APPENDIX 5.3 BIG-1

AIR QUALITY TECHNICAL REPORT

*PART 14

490836.72, 3861135.12	0.056	0.011343	3.93E-06	1.19E-05	9.36E-06	8.10E-06	3.64E-06	1.31E-07	3.17E-06	2.23E-06	1.93E-06	5.75E-07	8.02E-06
490086.72, 3861185.12	0.04057	0.008218	2.84E-06	8.59E-06	6.78E-06	5.87E-06	2.64E-06	9.50E-08	2.29E-06	1.61E-06	1.39E-06	4.16E-07	5.81E-06
490136.72, 3861185.12	0.0415	0.008406	2.91E-06	8.79E-06	6.94E-06	6.01E-06	2.70E-06	9.72E-08	2.35E-06	1.65E-06	1.43E-06	4.26E-07	5.95E-06
490186.72, 3861185.12	0.04217	0.008542	2.96E-06	8.93E-06	7.05E-06	6.10E-06	2.74E-06	9.87E-08	2.39E-06	1.68E-06	1.45E-06	4.33E-07	6.04E-06
490236.72, 3861185.12	0.04279	0.008667	3.00E-06	9.06E-06	7.16E-06	6.19E-06	2.78E-06	1.00E-07	2.42E-06	1.70E-06	1.47E-06	4.39E-07	6.13E-06
490286.72, 3861185.12	0.04324	0.008758	3.03E-06	9.15E-06	7.23E-06	6.26E-06	2.81E-06	1.01E-07	2.45E-06	1.72E-06	1.49E-06	4.44E-07	6.20E-06
490336.72, 3861185.12	0.04473	0.00906	3.14E-06	9.47E-06	7.48E-06	6.47E-06	2.91E-06	1.05E-07	2.53E-06	1.78E-06	1.54E-06	4.59E-07	6.41E-06
490386.72, 3861185.12	0.04557	0.00923	3.20E-06	9.65E-06	7.62E-06	6.59E-06	2.97E-06	1.07E-07	2.58E-06	1.81E-06	1.57E-06	4.68E-07	6.53E-06
490436.72, 3861185.12	0.04621	0.00936	3.24E-06	9.78E-06	7.73E-06	6.69E-06	3.01E-06	1.08E-07	2.61E-06	1.84E-06	1.59E-06	4.74E-07	6.62E-06
490486.72, 3861185.12	0.04726	0.009573	3.31E-06	1.00E-05	7.90E-06	6.84E-06	3.08E-06	1.11E-07	2.67E-06	1.88E-06	1.62E-06	4.85E-07	6.77E-06
490536.72, 3861185.12	0.04768	0.009658	3.34E-06	1.01E-05	7.97E-06	6.90E-06	3.10E-06	1.12E-07	2.70E-06	1.89E-06	1.64E-06	4.89E-07	6.83E-06
490586.72, 3861185.12	0.04917	0.00996	3.45E-06	1.04E-05	8.22E-06	7.11E-06	3.20E-06	1.15E-07	2.78E-06	1.95E-06	1.69E-06	5.05E-07	7.04E-06
490636.72, 3861185.12	0.05121	0.010373	3.59E-06	1.08E-05	8.56E-06	7.41E-06	3.33E-06	1.20E-07	2.90E-06	2.03E-06	1.76E-06	5.26E-07	7.34E-06
490686.72, 3861185.12	0.05267	0.010668	3.69E-06	1.12E-05	8.81E-06	7.62E-06	3.43E-06	1.23E-07	2.98E-06	2.09E-06	1.81E-06	5.41E-07	7.55E-06
490736.72, 3861185.12	0.05376	0.010889	3.77E-06	1.14E-05	8.99E-06	7.78E-06	3.50E-06	1.26E-07	3.04E-06	2.14E-06	1.85E-06	5.52E-07	7.70E-06
490786.72, 3861185.12	0.0551	0.011161	3.86E-06	1.17E-05	9.21E-06	7.97E-06	3.59E-06	1.29E-07	3.12E-06	2.19E-06	1.89E-06	5.65E-07	7.89E-06
490836.72, 3861185.12	0.0567	0.011485	3.98E-06	1.20E-05	9.48E-06	8.20E-06	3.69E-06	1.33E-07	3.21E-06	2.25E-06	1.95E-06	5.82E-07	8.12E-06
490086.72, 3861235.12	0.04147	0.0084	2.91E-06	8.78E-06	6.94E-06	6.00E-06	2.70E-06	9.71E-08	2.35E-06	1.65E-06	1.43E-06	4.26E-07	5.94E-06
490136.72, 3861235.12	0.04236	0.00858	2.97E-06	8.97E-06	7.08E-06	6.13E-06	2.76E-06	9.92E-08	2.40E-06	1.68E-06	1.46E-06	4.35E-07	6.07E-06
490186.72, 3861235.12	0.04302	0.008714	3.02E-06	9.11E-06	7.19E-06	6.23E-06	2.80E-06	1.01E-07	2.43E-06	1.71E-06	1.48E-06	4.42E-07	6.16E-06
490236.72, 3861235.12	0.04403	0.008918	3.09E-06	9.32E-06	7.36E-06	6.37E-06	2.86E-06	1.03E-07	2.49E-06	1.75E-06	1.51E-06	4.52E-07	6.31E-06
490386.72, 3861235.12	0.04689	0.009498	3.29E-06	9.93E-06	7.84E-06	6.79E-06	3.05E-06	1.10E-07	2.65E-06	1.86E-06	1.61E-06	4.81E-07	6.72E-06
490436.72, 3861235.12	0.04799	0.009721	3.36E-06	1.02E-05	8.03E-06	6.94E-06	3.12E-06	1.12E-07	2.71E-06	1.91E-06	1.65E-06	4.93E-07	6.88E-06
490486.72, 3861235.12	0.04902	0.009929	3.44E-06	1.04E-05	8.20E-06	7.09E-06	3.19E-06	1.15E-07	2.77E-06	1.95E-06	1.69E-06	5.03E-07	7.02E-06
490536.72, 3861235.12	0.04907	0.009939	3.44E-06	1.04E-05	8.21E-06	7.10E-06	3.19E-06	1.15E-07	2.78E-06	1.95E-06	1.69E-06	5.04E-07	7.03E-06
490586.72, 3861235.12	0.04961	0.010049	3.48E-06	1.05E-05	8.30E-06	7.18E-06	3.23E-06	1.16E-07	2.81E-06	1.97E-06	1.71E-06	5.09E-07	7.11E-06
490636.72, 3861235.12	0.05225	0.010583	3.66E-06	1.11E-05	8.74E-06	7.56E-06	3.40E-06	1.22E-07	2.96E-06	2.08E-06	1.80E-06	5.36E-07	7.49E-06
490686.72, 3861235.12	0.05364	0.010865	3.76E-06	1.14E-05	8.97E-06	7.76E-06	3.49E-06	1.26E-07	3.03E-06	2.13E-06	1.84E-06	5.51E-07	7.69E-06
490736.72, 3861235.12	0.05468	0.011076	3.83E-06	1.16E-05	9.14E-06	7.91E-06	3.56E-06	1.28E-07	3.09E-06	2.17E-06	1.88E-06	5.61E-07	7.83E-06
490786.72, 3861235.12	0.05576	0.011294	3.91E-06	1.18E-05	9.32E-06	8.07E-06	3.63E-06	1.31E-07	3.15E-06	2.22E-06	1.92E-06	5.72E-07	7.99E-06
490836.72, 3861235.12	0.05732	0.01161	4.02E-06	1.21E-05	9.59E-06	8.29E-06	3.73E-06	1.34E-07	3.24E-06	2.28E-06	1.97E-06	5.88E-07	8.21E-06
490086.72, 3861285.12	0.04207	0.008521	2.95E-06	8.91E-06	7.04E-06	6.09E-06	2.74E-06	9.85E-08	2.38E-06	1.67E-06	1.45E-06	4.32E-07	6.03E-06
490136.72, 3861285.12	0.04255	0.008619	2.98E-06	9.01E-06	7.12E-06	6.16E-06	2.77E-06	9.96E-08	2.41E-06	1.69E-06	1.46E-06	4.37E-07	6.10E-06
490186.72, 3861285.12	0.04378	0.008868	3.07E-06	9.27E-06	7.32E-06	6.34E-06	2.85E-06	1.03E-07	2.48E-06	1.74E-06	1.51E-06	4.49E-07	6.27E-06
490236.72, 3861285.12	0.04479	0.009072	3.14E-06	9.48E-06	7.49E-06	6.48E-06	2.91E-06	1.05E-07	2.53E-06	1.78E-06	1.54E-06	4.60E-07	6.42E-06
490386.72, 3861285.12	0.0478	0.009682	3.35E-06	1.01E-05	7.99E-06	6.92E-06	3.11E-06	1.12E-07	2.70E-06	1.90E-06	1.64E-06	4.91E-07	6.85E-06
490436.72, 3861285.12	0.04863	0.00985	3.41E-06	1.03E-05	8.13E-06	7.04E-06	3.16E-06	1.14E-07	2.75E-06	1.93E-06	1.67E-06	4.99E-07	6.97E-06
490486.72, 3861285.12	0.04986	0.010099	3.50E-06	1.06E-05	8.34E-06	7.21E-06	3.24E-06	1.17E-07	2.82E-06	1.98E-06	1.71E-06	5.12E-07	7.14E-06
490536.72, 3861285.12	0.05084	0.010298	3.56E-06	1.08E-05	8.50E-06	7.36E-06	3.31E-06	1.19E-07	2.88E-06	2.02E-06	1.75E-06	5.22E-07	7.28E-06
490586.72, 3861285.12	0.05168	0.010468	3.62E-06	1.09E-05	8.64E-06	7.48E-06	3.36E-06	1.21E-07	2.92E-06	2.05E-06	1.78E-06	5.30E-07	7.40E-06
490636.72, 3861285.12	0.05348	0.010833	3.75E-06	1.13E-05	8.94E-06	7.74E-06	3.48E-06	1.25E-07	3.02E-06	2.12E-06	1.84E-06	5.49E-07	7.66E-06
490686.72, 3861285.12	0.05474	0.011088	3.84E-06	1.16E-05	9.15E-06	7.92E-06	3.56E-06	1.28E-07	3.10E-06	2.18E-06	1.88E-06	5.62E-07	7.84E-06
490736.72, 3861285.12	0.05526	0.011193	3.87E-06	1.17E-05	9.24E-06	8.00E-06	3.60E-06	1.29E-07	3.13E-06	2.20E-06	1.90E-06	5.67E-07	7.92E-06
490786.72, 3861285.12	0.0567	0.011485	3.98E-06	1.20E-05	9.48E-06	8.20E-06	3.69E-06	1.33E-07	3.21E-06	2.25E-06	1.95E-06	5.82E-07	8.12E-06
490836.72, 3861285.12	0.05853	0.011855	4.10E-06	1.24E-05	9.79E-06	8.47E-06	3.81E-06	1.37E-07	3.31E-06	2.33E-06	2.01E-06	6.01E-07	8.39E-06
490061.24, 3859716.13	0.0288	0.005834	2.02E-06	6.10E-06	4.82E-06	4.17E-06	1.87E-06	6.74E-08	1.63E-06	1.14E-06	9.90E-07	2.96E-07	4.13E-06
490111.24, 3859716.13	0.02923	0.005921	2.05E-06	6.19E-06	4.89E-06	4.23E-06	1.90E-06	6.84E-08	1.65E-06	1.16E-06	1.00E-06	3.00E-07	4.19E-06
490161.24, 3859716.13	0.0298	0.006036	2.09E-06	6.31E-06	4.98E-06	4.31E-06	1.94E-06	6.98E-08	1.69E-06	1.18E-06	1.02E-06	3.06E-07	4.27E-06
490211.24, 3859716.13	0.03052	0.006182	2.14E-06	6.46E-06	5.10E-06	4.42E-06	1.99E-06	7.15E-08	1.73E-06	1.21E-06	1.05E-06	3.13E-07	4.37E-06
490061.24, 3859766.13	0.02859	0.005791	2.00E-06	6.05E-06	4.78E-06	4.14E-06	1.86E-06	6.69E-08	1.62E-06	1.14E-06	9.83E-07	2.93E-07	4.10E-06
490111.24, 3859766.13	0.02935	0.005945	2.06E-06	6.21E-06	4.91E-06	4.25E-06	1.91E-06	6.87E-08	1.66E-06	1.17E-06	1.01E-06	3.01E-07	4.21E-06
490161.24, 3859766.13	0.03018	0.006113	2.12E-06	6.39E-06	5.05E-06	4.37E-06	1.96E-06	7.07E-08	1.71E-06	1.20E-06	1.04E-06	3.10E-07	4.32E-06
490211.24, 3859766.13	0.03083	0.006245	2.16E-06	6.53E-06	5.16E-06	4.46E-06	2.01E-06	7.22E-08	1.74E-06	1.23E-06	1.06E-06	3.16E-07	4.42E-06
490061.24, 3859816.13	0.02829	0.00573	1.98E-06	5.99E-06	4.73E-06	4.09E-06	1.84E-06	6.62E-08	1.60E-06	1.12E-06	9.73E-07	2.90E-07	4.05E-06
490111.24, 3859816.13	0.02928	0.005931	2.05E-06	6.20E-06	4.90E-06	4.24E-06	1.91E-06	6.86E-08	1.66E-06	1.16E-06	1.01E-06	3.01E-07	4.20E-06
490161.24, 3859816.13	0.03013	0.006103	2.11E-06	6.38E-06	5.04E-06	4.36E-06	1.96E-06	7.05E-08	1.70E-06	1.20E-06	1.04E-06	3.09E-07	4.32E-06
490211.24, 3859816.13	0.03098	0.006275	2.17E-06	6.56E-06	5.18E-06	4.48E-06	2.02E-06	7.25E-08	1.75E-06	1.23E-06	1.07E-06	3.18E-07	4.44E-06
490061.24, 3859866.13	0.02782	0.005635	1.95E-06	5.89E-06	4.65E-06	4.03E-06	1.81E-06	6.51E-08	1.57E-06	1.11E-06	9.56E-07	2.86E-07	3.99E-06
490111.24, 3859866.13	0.02879	0.005832	2.02E-06	6.10E-06	4.81E-06	4.17E-06	1.87E-06	6.74E-08	1.63E-06	1.14E-06	9.90E-07	2.95E-07	4.12E-06
490161.24, 3859866.13	0.02967	0.00601	2.08E-06	6.28E-06	4.96E-06	4.29E-06	1.93E-06	6.95E-08	1.68E-06	1.18E-06	1.02E-06	3.05E-07	4.25E-06
490211.24, 3859866.13	0.03055	0.006188	2.14E-06	6.47E-06	5.11E-06	4.42E-06	1.99E-06	7.15E-08	1.73E-06	1.21E-06	1.05E-06	3.14E-07	4.38E-06
490061.24, 3859916.13	0.02736	0.005542	1.92E-06	5.79E-06	4.58E-06	3.96E-06	1.78E-06	6.41E-08	1.55E-06	1.09E-06	9.41E-07	2.81E-07	3.92E-06
490111.24, 3859916.13	0.02818	0.005708	1.98E-06	5.97E-06	4.71E-06	4.08E-06	1.83E-06	6.60E-08	1.59E-06	1.12E-06	9.69E-07	2.89E-07	4.04E-06
490161.24, 3859916.13	0.02912	0.005898	2.04E-06	6.16E-06	4.87E-06	4.21E-06	1.89E-06	6.82E-08	1.65E-06	1.16E-06	1.00E-06	2.99E-07	4.17E-06
490211.24, 3859916.13	0.03017	0.006111	2.12E-06	6.39E-06	5.05E-06	4.37E-06	1.96E-06	7.06E-08	1.71E-06	1.20E-06	1.04E-06	3.10E-07	4.32E-06
490229.25, 3859815.26	0.0311	0.006299	2.18E-06	6.58E-06	5.20E-06	4.50E-06	2.02E-06	7.28E-08	1.76E-06	1.24E-06	1.07E-06	3.19E-07	4.46E-06
490279.25, 3859815.26	0.03198	0.006478	2.24E-06	6.77E-06	5.35E-06	4.63E-06	2.08E-06	7.49E-08	1.81E-06	1.27E-06	1.10E-06	3.28E-07	4.58E-06
490329.25, 3859815.26	0.03283	0.00665	2.30E-06	6.95E-06	5.49E-06	4.75E-06	2.14E-06	7.69E-08	1.86E-06	1.30E-06	1.13E-06	3.37E-07	4.70E-06
490379.25, 3859815.26	0.0331	0.006705	2.32E-06	7.01E-06	5.54E-06	4.79E-06	2.15E-06	7.75E-08	1.87E-06	1.32E-06	1.14E-06	3.40E-07	4.74E-06
490429.25, 3859815.26	0.03287	0.006658	2.30E-06	6.96E-06	5.50E-06	4.76E-06	2.14E-06	7.70E-08	1.86E-06	1.31E-06	1.13E-06	3.37E-07	4.71E-06
490229.25, 3859865.26	0.03087	0.006253	2.16E-06	6.54E-06	5.16E-06	4.47E-06	2.01E-06	7.23E-08	1.75E-06	1.23E-06	1.06E-06	3.17E-07	4.42E-06
490279.25, 3859865.26	0.03185	0.006451	2.23E-06	6.74E-06	5.33E-06	4.61E-06	2.07E-06	7.46E-08	1.80E-06	1.27E-06	1.10E-06	3.27E-07	4.56E-06
490329.25, 3859865.26	0.03282	0.006648	2.30E-06	6.95E-06	5.49E-06	4.75E-06	2.14E-06	7.68E-08	1.86E-06	1.30E-06	1.13E-06	3.37E-07	4.70E-06
490379.25, 3859865.26	0.0335	0.006786	2.35E-06	7.09E-06	5.60E-06	4.85E-06	2.18E-06	7.84E-08	1.89E-06	1.33E-06	1.15E-06	3.44E-07	4.80E-06
490429.25, 3859865.26	0.03395	0.006877	2.38E-06	7.19E-06	5.68E-06	4.91E-06	2.21E-06	7.95E-08	1.92E-06	1.35E-06	1.17E-06	3.48E-07	4.86E-06
490229.25, 3859915.26	0.03047	0.006172	2.14E-06	6.45E-06	5.10E-06	4.41E-06	1.98E-06	7.13E-08	1.72E-06	1.21E-06	1.05E-06	3.13E-07	4.37E-06
490279.25, 3859915.26	0.03167	0.006415	2.22E-06	6.70E-06	5.30E-06	4.58E-06	2.06E-06	7.42E-08	1.79E-06	1.26E-06	1.09E-06	3.25E-07	4.54E-06
490329.25, 3859915.26	0.03268	0.006619	2.29E-06	6.92E-06	5.47E-06	4.73E-06	2.13E-06	7.65E-08	1.85E-06	1.30E-06	1.12E-06	3.35E-07	4.68E-06
490379.25, 3859915.26	0.03355	0.006796	2.35E-06	7.10E-06	5.61E-06	4.85E-06	2.18E-06	7.86E-08	1.90E-06	1.33E-06	1.15E-06	3.44E-07	4.81E-06
490429.25, 3859915.26	0.03444	0.006976	2.41E-06	7.29E-06	5.76E-06	4.98E-06	2.24E-06	8.06E-08	1.95E-06	1.37E-06	1.18E-06	3.53E-07	4.93E-06
490451.43, 3859872.59	0.03434	0.006956	2.41E-06	7.27E-06	5.74E-06	4.97E-06	2.23E-06	8.04E-08	1.94E-06	1.36E-06	1.18E-06	3.52E-07	4.92E-06
490501.43, 3859872.59	0.03428	0.006944	2.40E-06	7.26E-06	5.73E-06	4.96E-06	2.23E-06	8.03E-08	1.94E-06	1.36E-06	1.18E-06	3.52E-07	4.91E-06
490551.43, 3859872.59	0.03346	0.006777	2.35E-06	7.08E-06	5.60E-06	4.84E-06	2.18E-06	7.83E-08	1.89E-06	1.33E-06	1.15E-06	3.43E-07	4.79E-06
490601.43, 3859872.59	0.03266	0.006615	2.29E-06	6.91E-06	5.46E-06	4.73E-06	2.13E-06	7.65E-08	1.85E-06	1.30E-06	1.12E-06	3.35E-07	4.68E-06
490451.43, 3859922.59	0.0348	0.007049	2.44E-06	7.37E-06	5.82E-06	5.04E-06	2.26E-06	8.15E-08	1.97E-06	1.38E-06	1.20E-06	3.57E-07	4.99E-06
490501.43, 3859922.59	0.03527	0.007144	2.47E-06	7.47E-06	5.90E-06	5.10E-06	2.29E-06	8.26E-08	1.99E-06	1.40E-06	1.21E-06	3.62E-07	5.05E-06
490551.43, 3859922.59	0.03494	0.007077	2.45E-06	7.40E-06	5.84E-06	5.06E-06	2.27E-06	8.18E-08	1.98E-06	1.39E-06	1.20E-06	3.59E-07	5.01E-06
490601.43, 3859922.59	0.0342	0.006927	2.40E-06	7.24E-06	5.72E-06	4.95E-06	2.23E-06	8.01E-08	1.93E-06	1.36E-06	1.18E-06	3.51E-07	4.90E-06
482129.67, 3852241.07	0.00425	0.000861	2.98E-07	9.00E-07	7.11E-07	6.15E-07	2.77E-07	9.95E-09	2.40E-07	1.69E-07	1.46E-07	4.36E-08	6.09E-07
482029.67, 3852291.07	0.00457	0.000926	3.20E-07	9.68E-07	7.64E-07	6.61E-07	2.97E-07	1.07E-08	2.58E-07	1.82E-07	1.57E-07	4.69E-08	6.55E-07
482079.67, 3852291.07	0.00449	0.000909	3.15E-07	9.51E-07	7.51E-07	6.50E-07	2.92E-07	1.05E-08	2.54E-07	1.78E-07	1.54E-07	4.61E-08	6.43E-07
482129.67, 3852291.07	0.0044	0.000891	3.09E-07	9.32E-07	7.36E-07	6.37E-07	2.86E-07	1.03E-08	2.49E-07	1.75E-07	1.51E-07	4.52E-08	6.30E-07
482179.67, 3852291.07	0.00425	0.000861	2.98E-07	9.00E-07	7.11E-07	6.15E-07	2.77E-07	9.95E-09	2.40E-07	1.69E-07	1.46E-07	4.36E-08	6.09E-07
482229.67, 3852291.07	0.00405	0.00082	2.84E-07	8.57E-07	6.77E-07	5.86E-07	2.64E-07	9.48E-09	2.29E-07	1.61E-07	1.39E-07	4.16E-08	5.80E-07
482029.67, 3852341.07	0.00473	0.000958	3.32E-07	1.00E-06	7.91E-07	6.84E-07	3.08E-07	1.11E-08	2.68E-07	1.88E-07	1.63E-07	4.85E-08	6.78E-07
482079.67, 3852341.07	0.00465	0.000942	3.26E-07	9.84E-07	7.78E-07	6.73E-07	3.03E-07	1.09E-08	2.63E-07	1.85E-07	1.60E-07	4.77E-08	6.66E-07
482129.67, 3852341.07	0.00457	0.000926	3.20E-07	9.68E-07	7.64E-07	6.61E-07	2.97E-07	1.07E-08	2.58E-07	1.82E-07	1.57E-07	4.69E-08	6.55E-07
482179.67, 3852341.07	0.00444	0.000899	3.11E-07	9.40E-07	7.43E-07	6.42E-07	2.89E-07	1.04E-08	2.51E-07	1.76E-07	1.53E-07	4.56E-08	6.36E-07
482259.06, 3852400.14	0.00459	0.00093	3.22E-07	9.72E-07	7.68E-07	6.64E-07	2.99E-07	1.07E-08	2.60E-07	1.82E-07	1.58E-07	4.71E-08	6.58E-07

482309.06, 3852400.14	0.00427	0.000865	2.99E-07	9.04E-07	7.14E-07	6.18E-07	2.78E-07	1.00E-08	2.41E-07	1.70E-07	1.47E-07	4.38E-08	6.12E-07
482209.06, 3852450.14	0.00494	0.001001	3.46E-07	1.05E-06	8.26E-07	7.15E-07	3.21E-07	1.16E-08	2.79E-07	1.96E-07	1.70E-07	5.07E-08	7.08E-07
482259.06, 3852450.14	0.00482	0.000976	3.38E-07	1.02E-06	8.06E-07	6.97E-07	3.14E-07	1.13E-08	2.73E-07	1.92E-07	1.66E-07	4.95E-08	6.91E-07
482309.06, 3852450.14	0.00448	0.000907	3.14E-07	9.48E-07	7.49E-07	6.48E-07	2.91E-07	1.05E-08	2.53E-07	1.78E-07	1.54E-07	4.60E-08	6.42E-07
482209.06, 3852500.14	0.00506	0.001025	3.55E-07	1.07E-06	8.46E-07	7.32E-07	3.29E-07	1.18E-08	2.86E-07	2.01E-07	1.74E-07	5.19E-08	7.25E-07
482259.06, 3852500.14	0.00494	0.001001	3.46E-07	1.05E-06	8.26E-07	7.15E-07	3.21E-07	1.16E-08	2.79E-07	1.96E-07	1.70E-07	5.07E-08	7.08E-07
482309.06, 3852500.14	0.00478	0.000968	3.35E-07	1.01E-06	7.99E-07	6.92E-07	3.11E-07	1.12E-08	2.70E-07	1.90E-07	1.64E-07	4.91E-08	6.85E-07
482283.91, 3852513.62	0.00492	0.000997	3.45E-07	1.04E-06	8.23E-07	7.12E-07	3.20E-07	1.15E-08	2.78E-07	1.95E-07	1.69E-07	5.05E-08	7.05E-07
482333.91, 3852513.62	0.00468	0.000948	3.28E-07	9.91E-07	7.83E-07	6.77E-07	3.05E-07	1.10E-08	2.65E-07	1.86E-07	1.61E-07	4.80E-08	6.71E-07
482283.91, 3852563.62	0.00511	0.001035	3.58E-07	1.08E-06	8.55E-07	7.39E-07	3.32E-07	1.20E-08	2.89E-07	2.03E-07	1.76E-07	5.24E-08	7.32E-07
482333.91, 3852563.62	0.00501	0.001015	3.51E-07	1.06E-06	8.38E-07	7.25E-07	3.26E-07	1.17E-08	2.83E-07	1.99E-07	1.72E-07	5.14E-08	7.18E-07
482383.91, 3852563.62	0.00483	0.000978	3.39E-07	1.02E-06	8.08E-07	6.99E-07	3.14E-07	1.13E-08	2.73E-07	1.92E-07	1.66E-07	4.96E-08	6.92E-07
482283.91, 3852613.62	0.00515	0.001043	3.61E-07	1.09E-06	8.61E-07	7.45E-07	3.35E-07	1.21E-08	2.91E-07	2.05E-07	1.77E-07	5.29E-08	7.38E-07
482333.91, 3852613.62	0.00514	0.001041	3.60E-07	1.09E-06	8.60E-07	7.44E-07	3.34E-07	1.20E-08	2.91E-07	2.04E-07	1.77E-07	5.28E-08	7.36E-07
482383.91, 3852613.62	0.00511	0.001035	3.58E-07	1.08E-06	8.55E-07	7.39E-07	3.32E-07	1.20E-08	2.89E-07	2.03E-07	1.76E-07	5.24E-08	7.32E-07
482602.38, 3852600.87	0.00422	0.000855	2.96E-07	8.93E-07	7.06E-07	6.11E-07	2.75E-07	9.88E-09	2.39E-07	1.68E-07	1.45E-07	4.33E-08	6.05E-07
482652.38, 3852600.87	0.00422	0.000855	2.96E-07	8.93E-07	7.06E-07	6.11E-07	2.75E-07	9.88E-09	2.39E-07	1.68E-07	1.45E-07	4.33E-08	6.05E-07
482702.38, 3852600.87	0.00396	0.000802	2.78E-07	8.38E-07	6.62E-07	5.73E-07	2.58E-07	9.27E-09	2.24E-07	1.57E-07	1.36E-07	4.06E-08	5.67E-07
482552.38, 3852650.87	0.00459	0.00093	3.22E-07	9.72E-07	7.68E-07	6.64E-07	2.99E-07	1.07E-08	2.60E-07	1.82E-07	1.58E-07	4.71E-08	6.58E-07
482602.38, 3852650.87	0.00456	0.000924	3.20E-07	9.65E-07	7.63E-07	6.60E-07	2.97E-07	1.07E-08	2.58E-07	1.81E-07	1.57E-07	4.68E-08	6.53E-07
482652.38, 3852650.87	0.00446	0.000903	3.13E-07	9.44E-07	7.46E-07	6.45E-07	2.90E-07	1.04E-08	2.52E-07	1.77E-07	1.53E-07	4.58E-08	6.39E-07
482702.38, 3852650.87	0.00429	0.000869	3.01E-07	9.08E-07	7.17E-07	6.21E-07	2.79E-07	1.00E-08	2.43E-07	1.70E-07	1.47E-07	4.40E-08	6.15E-07
482552.38, 3852700.87	0.00486	0.000984	3.41E-07	1.03E-06	8.13E-07	7.03E-07	3.16E-07	1.14E-08	2.75E-07	1.93E-07	1.67E-07	4.99E-08	6.96E-07
482602.38, 3852700.87	0.0048	0.000972	3.37E-07	1.02E-06	8.03E-07	6.95E-07	3.12E-07	1.12E-08	2.71E-07	1.91E-07	1.65E-07	4.93E-08	6.88E-07
482652.38, 3852700.87	0.00485	0.000982	3.40E-07	1.03E-06	8.11E-07	7.02E-07	3.16E-07	1.14E-08	2.74E-07	1.93E-07	1.67E-07	4.98E-08	6.95E-07
482702.38, 3852700.87	0.0047	0.000952	3.30E-07	9.95E-07	7.86E-07	6.80E-07	3.06E-07	1.10E-08	2.66E-07	1.87E-07	1.62E-07	4.82E-08	6.73E-07
482452.38, 3852750.87	0.00522	0.001057	3.66E-07	1.11E-06	8.73E-07	7.55E-07	3.40E-07	1.22E-08	2.95E-07	2.07E-07	1.79E-07	5.36E-08	7.48E-07
482521.29, 3852749.74	0.00511	0.001035	3.58E-07	1.08E-06	8.55E-07	7.39E-07	3.32E-07	1.20E-08	2.89E-07	2.03E-07	1.76E-07	5.24E-08	7.32E-07
482571.29, 3852749.74	0.00504	0.001021	3.53E-07	1.07E-06	8.43E-07	7.29E-07	3.28E-07	1.18E-08	2.85E-07	2.00E-07	1.73E-07	5.17E-08	7.22E-07
482521.29, 3852799.74	0.00527	0.001067	3.70E-07	1.12E-06	8.81E-07	7.63E-07	3.43E-07	1.23E-08	2.98E-07	2.09E-07	1.81E-07	5.41E-08	7.55E-07
482571.29, 3852799.74	0.00522	0.001057	3.66E-07	1.11E-06	8.73E-07	7.55E-07	3.40E-07	1.22E-08	2.95E-07	2.07E-07	1.79E-07	5.36E-08	7.48E-07
482621.29, 3852799.74	0.00514	0.001041	3.60E-07	1.09E-06	8.60E-07	7.44E-07	3.34E-07	1.20E-08	2.91E-07	2.04E-07	1.77E-07	5.28E-08	7.36E-07
482571.29, 3852849.74	0.00529	0.001072	3.71E-07	1.12E-06	8.85E-07	7.65E-07	3.44E-07	1.24E-08	2.99E-07	2.10E-07	1.82E-07	5.43E-08	7.58E-07
482621.29, 3852849.74	0.0052	0.001053	3.65E-07	1.10E-06	8.70E-07	7.52E-07	3.38E-07	1.22E-08	2.94E-07	2.07E-07	1.79E-07	5.34E-08	7.45E-07
482577.42, 3852901.55	0.00531	0.001076	3.72E-07	1.12E-06	8.88E-07	7.68E-07	3.46E-07	1.24E-08	3.00E-07	2.11E-07	1.83E-07	5.45E-08	7.61E-07
482627.42, 3852901.55	0.00522	0.001057	3.66E-07	1.11E-06	8.73E-07	7.55E-07	3.40E-07	1.22E-08	2.95E-07	2.07E-07	1.79E-07	5.36E-08	7.48E-07
482629.96, 3852955.85	0.00528	0.001069	3.70E-07	1.12E-06	8.83E-07	7.64E-07	3.44E-07	1.24E-08	2.99E-07	2.10E-07	1.82E-07	5.42E-08	7.57E-07
482679.96, 3852955.85	0.00521	0.001055	3.65E-07	1.10E-06	8.71E-07	7.54E-07	3.39E-07	1.22E-08	2.95E-07	2.07E-07	1.79E-07	5.35E-08	7.46E-07
482781.63, 3853034.48	0.00511	0.001035	3.58E-07	1.08E-06	8.55E-07	7.39E-07	3.32E-07	1.20E-08	2.89E-07	2.03E-07	1.76E-07	5.24E-08	7.32E-07
482831.63, 3853034.48	0.00501	0.001015	3.51E-07	1.06E-06	8.38E-07	7.25E-07	3.26E-07	1.17E-08	2.83E-07	1.99E-07	1.72E-07	5.14E-08	7.18E-07
482881.63, 3853034.48	0.00492	0.000997	3.45E-07	1.04E-06	8.23E-07	7.12E-07	3.20E-07	1.15E-08	2.78E-07	1.95E-07	1.69E-07	5.05E-08	7.05E-07
482781.63, 3853084.48	0.00518	0.001049	3.63E-07	1.10E-06	8.66E-07	7.50E-07	3.37E-07	1.21E-08	2.93E-07	2.06E-07	1.78E-07	5.32E-08	7.42E-07
482831.63, 3853084.48	0.00508	0.001029	3.56E-07	1.08E-06	8.50E-07	7.35E-07	3.31E-07	1.19E-08	2.87E-07	2.02E-07	1.75E-07	5.21E-08	7.28E-07
482881.63, 3853084.48	0.00501	0.001015	3.51E-07	1.06E-06	8.38E-07	7.25E-07	3.26E-07	1.17E-08	2.83E-07	1.99E-07	1.72E-07	5.14E-08	7.18E-07
482781.63, 3853134.48	0.00526	0.001065	3.69E-07	1.11E-06	8.80E-07	7.61E-07	3.42E-07	1.23E-08	2.97E-07	2.09E-07	1.81E-07	5.40E-08	7.54E-07
482831.63, 3853134.48	0.00518	0.001049	3.63E-07	1.10E-06	8.66E-07	7.50E-07	3.37E-07	1.21E-08	2.93E-07	2.06E-07	1.78E-07	5.32E-08	7.42E-07
482881.63, 3853134.48	0.00515	0.001043	3.61E-07	1.09E-06	8.61E-07	7.45E-07	3.35E-07	1.21E-08	2.91E-07	2.05E-07	1.77E-07	5.29E-08	7.38E-07
482831.63, 3853184.48	0.00526	0.001065	3.69E-07	1.11E-06	8.80E-07	7.61E-07	3.42E-07	1.23E-08	2.97E-07	2.09E-07	1.81E-07	5.40E-08	7.54E-07
482881.63, 3853184.48	0.00524	0.001061	3.67E-07	1.11E-06	8.76E-07	7.58E-07	3.41E-07	1.23E-08	2.96E-07	2.08E-07	1.80E-07	5.38E-08	7.51E-07
484154.84, 3854250.98	0.00323	0.000654	2.26E-07	6.84E-07	5.40E-07	4.67E-07	2.10E-07	7.56E-09	1.83E-07	1.28E-07	1.11E-07	3.31E-08	4.63E-07
484204.84, 3854250.98	0.00323	0.000654	2.26E-07	6.84E-07	5.40E-07	4.67E-07	2.10E-07	7.56E-09	1.83E-07	1.28E-07	1.11E-07	3.31E-08	4.63E-07
484154.84, 3854300.98	0.00311	0.00063	2.18E-07	6.58E-07	5.20E-07	4.50E-07	2.02E-07	7.28E-09	1.76E-07	1.24E-07	1.07E-07	3.19E-08	4.46E-07
484204.84, 3854300.98	0.00314	0.000636	2.20E-07	6.65E-07	5.25E-07	4.54E-07	2.04E-07	7.35E-09	1.78E-07	1.25E-07	1.08E-07	3.22E-08	4.50E-07
484074.19, 3854519.8	0.00286	0.000579	2.01E-07	6.05E-07	4.78E-07	4.14E-07	1.86E-07	6.70E-09	1.62E-07	1.14E-07	9.83E-08	2.94E-08	4.10E-07
484124.19, 3854519.8	0.00284	0.000575	1.99E-07	6.01E-07	4.75E-07	4.11E-07	1.85E-07	6.65E-09	1.61E-07	1.13E-07	9.76E-08	2.91E-08	4.07E-07
484074.19, 3854569.8	0.00283	0.000573	1.98E-07	5.99E-07	4.73E-07	4.10E-07	1.84E-07	6.63E-09	1.60E-07	1.12E-07	9.73E-08	2.90E-08	4.05E-07
484124.19, 3854569.8	0.00278	0.000563	1.95E-07	5.89E-07	4.65E-07	4.02E-07	1.81E-07	6.51E-09	1.57E-07	1.10E-07	9.56E-08	2.85E-08	3.98E-07
485205.11, 3855188.89	0.00362	0.000733	2.54E-07	7.66E-07	6.05E-07	5.24E-07	2.36E-07	8.48E-09	2.05E-07	1.44E-07	1.24E-07	3.72E-08	5.19E-07
485255.11, 3855188.89	0.00358	0.000725	2.51E-07	7.58E-07	5.99E-07	5.18E-07	2.33E-07	8.38E-09	2.02E-07	1.42E-07	1.23E-07	3.67E-08	5.13E-07
485205.11, 3855238.89	0.00357	0.000723	2.50E-07	7.56E-07	5.97E-07	5.17E-07	2.32E-07	8.36E-09	2.02E-07	1.42E-07	1.23E-07	3.66E-08	5.11E-07
485255.11, 3855238.89	0.00359	0.000727	2.52E-07	7.60E-07	6.00E-07	5.19E-07	2.34E-07	8.41E-09	2.03E-07	1.43E-07	1.23E-07	3.68E-08	5.14E-07
485205.11, 3855288.89	0.00365	0.000739	2.56E-07	7.73E-07	6.10E-07	5.28E-07	2.37E-07	8.55E-09	2.06E-07	1.45E-07	1.25E-07	3.75E-08	5.23E-07
485255.11, 3855288.89	0.0037	0.000749	2.59E-07	7.83E-07	6.19E-07	5.35E-07	2.41E-07	8.66E-09	2.09E-07	1.47E-07	1.27E-07	3.80E-08	5.30E-07
485255.11, 3855338.89	0.00382	0.000774	2.68E-07	8.09E-07	6.39E-07	5.53E-07	2.49E-07	8.94E-09	2.16E-07	1.52E-07	1.31E-07	3.92E-08	5.47E-07
485305.11, 3855338.89	0.00378	0.000766	2.65E-07	8.00E-07	6.32E-07	5.47E-07	2.46E-07	8.85E-09	2.14E-07	1.50E-07	1.30E-07	3.88E-08	5.42E-07
485852.5, 3855635.28	0.00417	0.000845	2.92E-07	8.83E-07	6.97E-07	6.03E-07	2.71E-07	9.76E-09	2.36E-07	1.66E-07	1.43E-07	4.28E-08	5.97E-07
485902.5, 3855635.28	0.00413	0.000837	2.90E-07	8.74E-07	6.91E-07	5.98E-07	2.69E-07	9.67E-09	2.34E-07	1.64E-07	1.42E-07	4.24E-08	5.92E-07
485852.5, 3855685.28	0.0042	0.000851	2.94E-07	8.89E-07	7.02E-07	6.08E-07	2.73E-07	9.83E-09	2.38E-07	1.67E-07	1.44E-07	4.31E-08	6.02E-07
485902.5, 3855685.28	0.00416	0.000843	2.92E-07	8.81E-07	6.96E-07	6.02E-07	2.71E-07	9.74E-09	2.35E-07	1.65E-07	1.43E-07	4.27E-08	5.96E-07
485852.5, 3855735.28	0.00425	0.000861	2.98E-07	9.00E-07	7.11E-07	6.15E-07	2.77E-07	9.95E-09	2.40E-07	1.69E-07	1.46E-07	4.36E-08	6.09E-07
485902.5, 3855735.28	0.00422	0.000855	2.96E-07	8.93E-07	7.06E-07	6.11E-07	2.75E-07	9.88E-09	2.39E-07	1.68E-07	1.45E-07	4.33E-08	6.05E-07
485852.5, 3855785.28	0.00434	0.000879	3.04E-07	9.19E-07	7.26E-07	6.28E-07	2.82E-07	1.02E-08	2.45E-07	1.72E-07	1.49E-07	4.45E-08	6.22E-07
485902.5, 3855785.28	0.00425	0.000861	2.98E-07	9.00E-07	7.11E-07	6.15E-07	2.77E-07	9.95E-09	2.40E-07	1.69E-07	1.46E-07	4.36E-08	6.09E-07
486809.46, 3856465.28	0.00488	0.000988	3.42E-07	1.03E-06	8.16E-07	7.06E-07	3.18E-07	1.14E-08	2.76E-07	1.94E-07	1.68E-07	5.01E-08	6.99E-07
486859.46, 3856465.28	0.00493	0.000999	3.46E-07	1.04E-06	8.24E-07	7.13E-07	3.21E-07	1.15E-08	2.79E-07	1.96E-07	1.69E-07	5.06E-08	7.06E-07
486909.46, 3856465.28	0.00495	0.001003	3.47E-07	1.05E-06	8.28E-07	7.16E-07	3.22E-07	1.16E-08	2.80E-07	1.97E-07	1.70E-07	5.08E-08	7.09E-07
486809.46, 3856515.28	0.00499	0.001011	3.50E-07	1.06E-06	8.34E-07	7.22E-07	3.25E-07	1.17E-08	2.82E-07	1.98E-07	1.72E-07	5.12E-08	7.15E-07
486859.46, 3856515.28	0.00504	0.001021	3.53E-07	1.07E-06	8.43E-07	7.29E-07	3.28E-07	1.18E-08	2.85E-07	2.00E-07	1.73E-07	5.17E-08	7.22E-07
486909.46, 3856515.28	0.00507	0.001027	3.55E-07	1.07E-06	8.48E-07	7.34E-07	3.30E-07	1.19E-08	2.87E-07	2.01E-07	1.74E-07	5.20E-08	7.26E-07
486980.94, 3856357.95	0.00491	0.000995	3.44E-07	1.04E-06	8.21E-07	7.10E-07	3.19E-07	1.15E-08	2.78E-07	1.95E-07	1.69E-07	5.04E-08	7.03E-07
487030.94, 3856357.95	0.00498	0.001009	3.49E-07	1.05E-06	8.33E-07	7.21E-07	3.24E-07	1.17E-08	2.82E-07	1.98E-07	1.71E-07	5.11E-08	7.14E-07
486980.94, 3856407.95	0.00497	0.001007	3.48E-07	1.05E-06	8.31E-07	7.19E-07	3.23E-07	1.16E-08	2.81E-07	1.97E-07	1.71E-07	5.10E-08	7.12E-07
487030.94, 3856407.95	0.00502	0.001017	3.52E-07	1.06E-06	8.40E-07	7.26E-07	3.27E-07	1.18E-08	2.84E-07	1.99E-07	1.73E-07	5.15E-08	7.19E-07
487447.18, 3856437.45	0.0057	0.001155	4.00E-07	1.21E-06	9.53E-07	8.25E-07	3.71E-07	1.33E-08	3.22E-07	2.26E-07	1.96E-07	5.85E-08	8.17E-07
487497.18, 3856437.45	0.0058	0.001175	4.07E-07	1.23E-06	9.70E-07	8.39E-07	3.77E-07	1.36E-08	3.28E-07	2.30E-07	1.99E-07	5.95E-08	8.31E-07
487547.18, 3856437.45	0.00591	0.001197	4.14E-07	1.25E-06	9.88E-07	8.55E-07	3.85E-07	1.38E-08	3.34E-07	2.35E-07	2.03E-07	6.07E-08	8.47E-07
487447.18, 3856487.45	0.00574	0.001163	4.02E-07	1.22E-06	9.60E-07	8.31E-07	3.73E-07	1.34E-08	3.25E-07	2.28E-07	1.97E-07	5.89E-08	8.22E-07
487497.18, 3856487.45	0.00584	0.001183	4.09E-07	1.24E-06	9.77E-07	8.45E-07	3.80E-07	1.37E-08	3.30E-07	2.32E-07	2.01E-07	5.99E-08	8.37E-07
487547.18, 3856487.45	0.00595	0.001205	4.17E-07	1.26E-06	9.95E-07	8.61E-07	3.87E-07	1.39E-08	3.37E-07	2.36E-07	2.05E-07	6.11E-08	8.52E-07
487447.18, 3856537.45	0.00579	0.001173	4.06E-07	1.23E-06	9.68E-07	8.38E-07	3.77E-07	1.36E-08	3.27E-07	2.30E-07	1.99E-07	5.94E-08	8.30E-07
487497.18, 3856537.45	0.00587	0.001189	4.12E-07	1.24E-06	9.82E-07	8.49E-07	3.82E-07	1.37E-08	3.32E-07	2.33E-07	2.02E-07	6.02E-08	8.41E-07
487547.18, 3856537.45	0.00599	0.001213	4.20E-07	1.27E-06	1.00E-06	8.67E-07	3.90E-07	1.40E-08	3.39E-07	2.38E-07	2.06E-07	6.15E-08	8.58E-07
489285.89, 3858826.54	0.01646	0.003334	1.15E-06	3.48E-06	2.75E-06	2.38E-06	1.07E-06	3.85E-08	9.31E-07	6.54E-07	5.66E-07	1.69E-07	2.36E-06
489335.89, 3858826.54	0.01647	0.003336	1.15E-06	3.49E-06	2.75E-06	2.38E-06	1.07E-06	3.86E-08	9.31E-07	6.54E-07	5.66E-07	1.69E-07	2.36E-06
489385.89, 3858826.54	0.0164	0.003322	1.15E-06	3.47E-06	2.74E-06	2.37E-06	1.07E-06	3.84E-08	9.28E-07	6.52E-07	5.64E-07	1.68E-07	2.35E-06
489435.89, 3858826.54	0.01641	0.003324	1.15E-06	3.47E-06	2.74E-06	2.37E-06	1.07E-06	3.84E-08	9.28E-07	6.52E-07	5.64E-07	1.68E-07	2.35E-06
489485.89, 3858826.54	0.01646	0.003334	1.15E-06	3.48E-06	2.75E-06	2.38E-06	1.07E-06	3.85E-08	9.31E-07	6.54E-07	5.66E-07	1.69E-07	2.36E-06
489535.89, 3858826.54	0.01652	0.003346	1.16E-06	3.50E-06	2.76E-06	2.39E-06	1.07E-06	3.87E-08	9.34E-07	6.56E-07	5.68E-07	1.70E-07	2.37E-06
489585.89, 3858826.54	0.0166	0.003362	1.16E-06	3.51E-06	2.78E-06	2.40E-06	1.08E-06	3.89E-08	9.39E-07	6.60E-07	5.71E-07	1.70E-07	2.38E-06

489635.89, 3858826.54	0.01663	0.003368	1.17E-06	3.52E-06	2.78E-06	2.41E-06	1.08E-06	3.89E-08	9.41E-07	6.61E-07	5.72E-07	1.71E-07	2.38E-06
489685.89, 3858826.54	0.01664	0.00337	1.17E-06	3.52E-06	2.78E-06	2.41E-06	1.08E-06	3.90E-08	9.41E-07	6.61E-07	5.72E-07	1.71E-07	2.38E-06
489735.89, 3858826.54	0.01663	0.003368	1.17E-06	3.52E-06	2.78E-06	2.41E-06	1.08E-06	3.89E-08	9.41E-07	6.61E-07	5.72E-07	1.71E-07	2.38E-06
489785.89, 3858826.54	0.0167	0.003383	1.17E-06	3.54E-06	2.79E-06	2.42E-06	1.09E-06	3.91E-08	9.44E-07	6.64E-07	5.74E-07	1.71E-07	2.39E-06
489835.89, 3858826.54	0.01664	0.00337	1.17E-06	3.52E-06	2.78E-06	2.41E-06	1.08E-06	3.90E-08	9.41E-07	6.61E-07	5.72E-07	1.71E-07	2.38E-06
489885.89, 3858826.54	0.01671	0.003385	1.17E-06	3.54E-06	2.79E-06	2.42E-06	1.09E-06	3.91E-08	9.45E-07	6.64E-07	5.75E-07	1.71E-07	2.39E-06
489935.89, 3858826.54	0.01674	0.003391	1.17E-06	3.54E-06	2.80E-06	2.42E-06	1.09E-06	3.92E-08	9.47E-07	6.65E-07	5.76E-07	1.72E-07	2.40E-06
489985.89, 3858826.54	0.01673	0.003389	1.17E-06	3.54E-06	2.80E-06	2.42E-06	1.09E-06	3.92E-08	9.46E-07	6.65E-07	5.75E-07	1.72E-07	2.40E-06
490035.89, 3858826.54	0.01659	0.00336	1.16E-06	3.51E-06	2.77E-06	2.40E-06	1.08E-06	3.88E-08	9.38E-07	6.59E-07	5.70E-07	1.70E-07	2.38E-06
489285.89, 3858876.54	0.01677	0.003397	1.18E-06	3.55E-06	2.80E-06	2.43E-06	1.09E-06	3.93E-08	9.48E-07	6.66E-07	5.77E-07	1.72E-07	2.40E-06
489335.89, 3858876.54	0.01672	0.003387	1.17E-06	3.54E-06	2.80E-06	2.42E-06	1.09E-06	3.91E-08	9.46E-07	6.64E-07	5.75E-07	1.72E-07	2.40E-06
489385.89, 3858876.54	0.01671	0.003385	1.17E-06	3.54E-06	2.79E-06	2.42E-06	1.09E-06	3.91E-08	9.45E-07	6.64E-07	5.75E-07	1.71E-07	2.39E-06
489435.89, 3858876.54	0.0167	0.003383	1.17E-06	3.54E-06	2.79E-06	2.42E-06	1.09E-06	3.91E-08	9.44E-07	6.64E-07	5.74E-07	1.71E-07	2.39E-06
489485.89, 3858876.54	0.01671	0.003385	1.17E-06	3.54E-06	2.79E-06	2.42E-06	1.09E-06	3.91E-08	9.45E-07	6.64E-07	5.75E-07	1.71E-07	2.39E-06
489535.89, 3858876.54	0.01673	0.003389	1.17E-06	3.54E-06	2.80E-06	2.42E-06	1.09E-06	3.92E-08	9.46E-07	6.65E-07	5.75E-07	1.72E-07	2.40E-06
489585.89, 3858876.54	0.01669	0.003381	1.17E-06	3.53E-06	2.79E-06	2.42E-06	1.09E-06	3.91E-08	9.44E-07	6.63E-07	5.74E-07	1.71E-07	2.39E-06
489635.89, 3858876.54	0.01678	0.003399	1.18E-06	3.55E-06	2.81E-06	2.43E-06	1.09E-06	3.93E-08	9.49E-07	6.67E-07	5.77E-07	1.72E-07	2.40E-06
489685.89, 3858876.54	0.01682	0.003407	1.18E-06	3.56E-06	2.81E-06	2.43E-06	1.09E-06	3.94E-08	9.51E-07	6.68E-07	5.78E-07	1.73E-07	2.41E-06
489735.89, 3858876.54	0.01681	0.003405	1.18E-06	3.56E-06	2.81E-06	2.43E-06	1.09E-06	3.94E-08	9.51E-07	6.68E-07	5.78E-07	1.73E-07	2.41E-06
489785.89, 3858876.54	0.01691	0.003425	1.19E-06	3.58E-06	2.83E-06	2.45E-06	1.10E-06	3.96E-08	9.56E-07	6.72E-07	5.81E-07	1.74E-07	2.42E-06
489835.89, 3858876.54	0.01691	0.003425	1.19E-06	3.58E-06	2.83E-06	2.45E-06	1.10E-06	3.96E-08	9.56E-07	6.72E-07	5.81E-07	1.74E-07	2.42E-06
489885.89, 3858876.54	0.01708	0.00346	1.20E-06	3.62E-06	2.86E-06	2.47E-06	1.11E-06	4.00E-08	9.66E-07	6.79E-07	5.87E-07	1.75E-07	2.45E-06
489935.89, 3858876.54	0.01702	0.003447	1.19E-06	3.60E-06	2.85E-06	2.46E-06	1.11E-06	3.99E-08	9.63E-07	6.76E-07	5.85E-07	1.75E-07	2.44E-06
489985.89, 3858876.54	0.01691	0.003425	1.19E-06	3.58E-06	2.83E-06	2.45E-06	1.10E-06	3.96E-08	9.56E-07	6.72E-07	5.81E-07	1.74E-07	2.42E-06
490035.89, 3858876.54	0.01682	0.003407	1.18E-06	3.56E-06	2.81E-06	2.43E-06	1.09E-06	3.94E-08	9.51E-07	6.68E-07	5.78E-07	1.73E-07	2.41E-06
489285.89, 3858926.54	0.01725	0.003494	1.21E-06	3.65E-06	2.88E-06	2.50E-06	1.12E-06	4.04E-08	9.76E-07	6.85E-07	5.93E-07	1.77E-07	2.47E-06
489335.89, 3858926.54	0.01716	0.003476	1.20E-06	3.63E-06	2.87E-06	2.48E-06	1.12E-06	4.02E-08	9.71E-07	6.82E-07	5.90E-07	1.76E-07	2.46E-06
489385.89, 3858926.54	0.01703	0.003449	1.19E-06	3.61E-06	2.85E-06	2.46E-06	1.11E-06	3.99E-08	9.63E-07	6.77E-07	5.86E-07	1.75E-07	2.44E-06
489435.89, 3858926.54	0.01701	0.003445	1.19E-06	3.60E-06	2.84E-06	2.46E-06	1.11E-06	3.98E-08	9.62E-07	6.76E-07	5.85E-07	1.75E-07	2.44E-06
489485.89, 3858926.54	0.01698	0.003439	1.19E-06	3.59E-06	2.84E-06	2.46E-06	1.10E-06	3.98E-08	9.60E-07	6.75E-07	5.84E-07	1.74E-07	2.43E-06
489535.89, 3858926.54	0.01696	0.003435	1.19E-06	3.59E-06	2.84E-06	2.45E-06	1.10E-06	3.97E-08	9.59E-07	6.74E-07	5.83E-07	1.74E-07	2.43E-06
489585.89, 3858926.54	0.01695	0.003433	1.19E-06	3.59E-06	2.83E-06	2.45E-06	1.10E-06	3.97E-08	9.59E-07	6.73E-07	5.83E-07	1.74E-07	2.43E-06
489635.89, 3858926.54	0.01698	0.003439	1.19E-06	3.59E-06	2.84E-06	2.46E-06	1.10E-06	3.98E-08	9.60E-07	6.75E-07	5.84E-07	1.74E-07	2.43E-06
489685.89, 3858926.54	0.01695	0.003433	1.19E-06	3.59E-06	2.83E-06	2.45E-06	1.10E-06	3.97E-08	9.59E-07	6.73E-07	5.83E-07	1.74E-07	2.43E-06
489735.89, 3858926.54	0.01707	0.003458	1.20E-06	3.61E-06	2.85E-06	2.47E-06	1.11E-06	4.00E-08	9.65E-07	6.78E-07	5.87E-07	1.75E-07	2.45E-06
489785.89, 3858926.54	0.01722	0.003488	1.21E-06	3.65E-06	2.88E-06	2.49E-06	1.12E-06	4.03E-08	9.74E-07	6.84E-07	5.92E-07	1.77E-07	2.47E-06
489835.89, 3858926.54	0.01721	0.003486	1.21E-06	3.64E-06	2.88E-06	2.49E-06	1.12E-06	4.03E-08	9.73E-07	6.84E-07	5.92E-07	1.77E-07	2.47E-06
489885.89, 3858926.54	0.01732	0.003508	1.21E-06	3.67E-06	2.90E-06	2.51E-06	1.13E-06	4.06E-08	9.80E-07	6.88E-07	5.95E-07	1.78E-07	2.48E-06
489935.89, 3858926.54	0.01734	0.003512	1.22E-06	3.67E-06	2.90E-06	2.51E-06	1.13E-06	4.06E-08	9.81E-07	6.89E-07	5.96E-07	1.78E-07	2.48E-06
489985.89, 3858926.54	0.01722	0.003488	1.21E-06	3.65E-06	2.88E-06	2.49E-06	1.12E-06	4.03E-08	9.74E-07	6.84E-07	5.92E-07	1.77E-07	2.47E-06
490035.89, 3858926.54	0.01691	0.003425	1.19E-06	3.58E-06	2.83E-06	2.45E-06	1.10E-06	3.96E-08	9.56E-07	6.72E-07	5.81E-07	1.74E-07	2.42E-06
489335.89, 3858976.54	0.01766	0.003577	1.24E-06	3.74E-06	2.95E-06	2.56E-06	1.15E-06	4.13E-08	9.99E-07	7.02E-07	6.07E-07	1.81E-07	2.53E-06
489385.89, 3858976.54	0.01748	0.003541	1.23E-06	3.70E-06	2.92E-06	2.53E-06	1.14E-06	4.09E-08	9.89E-07	6.95E-07	6.01E-07	1.79E-07	2.50E-06
489435.89, 3858976.54	0.0175	0.003545	1.23E-06	3.70E-06	2.93E-06	2.53E-06	1.14E-06	4.10E-08	9.90E-07	6.95E-07	6.02E-07	1.80E-07	2.51E-06
489485.89, 3858976.54	0.01739	0.003522	1.22E-06	3.68E-06	2.91E-06	2.52E-06	1.13E-06	4.07E-08	9.84E-07	6.91E-07	5.98E-07	1.78E-07	2.49E-06
489535.89, 3858976.54	0.01727	0.003498	1.21E-06	3.66E-06	2.89E-06	2.50E-06	1.12E-06	4.04E-08	9.77E-07	6.86E-07	5.94E-07	1.77E-07	2.47E-06
489585.89, 3858976.54	0.0173	0.003504	1.21E-06	3.66E-06	2.89E-06	2.50E-06	1.13E-06	4.05E-08	9.78E-07	6.87E-07	5.95E-07	1.78E-07	2.48E-06
489635.89, 3858976.54	0.01727	0.003498	1.21E-06	3.66E-06	2.89E-06	2.50E-06	1.12E-06	4.04E-08	9.77E-07	6.86E-07	5.94E-07	1.77E-07	2.47E-06
489685.89, 3858976.54	0.01722	0.003488	1.21E-06	3.65E-06	2.88E-06	2.49E-06	1.12E-06	4.03E-08	9.74E-07	6.84E-07	5.92E-07	1.77E-07	2.47E-06
489735.89, 3858976.54	0.01729	0.003502	1.21E-06	3.66E-06	2.89E-06	2.50E-06	1.13E-06	4.05E-08	9.78E-07	6.87E-07	5.94E-07	1.77E-07	2.48E-06
489785.89, 3858976.54	0.01748	0.003541	1.23E-06	3.70E-06	2.92E-06	2.53E-06	1.14E-06	4.09E-08	9.89E-07	6.95E-07	6.01E-07	1.79E-07	2.50E-06
489835.89, 3858976.54	0.01761	0.003567	1.23E-06	3.73E-06	2.94E-06	2.55E-06	1.15E-06	4.12E-08	9.96E-07	7.00E-07	6.05E-07	1.81E-07	2.52E-06
489885.89, 3858976.54	0.01749	0.003543	1.23E-06	3.70E-06	2.92E-06	2.53E-06	1.14E-06	4.10E-08	9.89E-07	6.95E-07	6.01E-07	1.80E-07	2.51E-06
489935.89, 3858976.54	0.01746	0.003537	1.22E-06	3.70E-06	2.92E-06	2.53E-06	1.14E-06	4.09E-08	9.87E-07	6.94E-07	6.00E-07	1.79E-07	2.50E-06
489985.89, 3858976.54	0.01746	0.003537	1.22E-06	3.70E-06	2.92E-06	2.53E-06	1.14E-06	4.09E-08	9.87E-07	6.94E-07	6.00E-07	1.79E-07	2.50E-06
490035.89, 3858976.54	0.01656	0.003354	1.16E-06	3.51E-06	2.77E-06	2.40E-06	1.08E-06	3.88E-08	9.37E-07	6.58E-07	5.69E-07	1.70E-07	2.37E-06
489385.89, 3859026.54	0.01804	0.003654	1.26E-06	3.82E-06	3.02E-06	2.61E-06	1.17E-06	4.22E-08	1.02E-06	7.17E-07	6.20E-07	1.85E-07	2.58E-06
489435.89, 3859026.54	0.01793	0.003632	1.26E-06	3.80E-06	3.00E-06	2.59E-06	1.17E-06	4.20E-08	1.01E-06	7.12E-07	6.16E-07	1.84E-07	2.57E-06
489485.89, 3859026.54	0.0178	0.003605	1.25E-06	3.77E-06	2.98E-06	2.58E-06	1.16E-06	4.17E-08	1.01E-06	7.07E-07	6.12E-07	1.83E-07	2.55E-06
489535.89, 3859026.54	0.01774	0.003593	1.24E-06	3.76E-06	2.97E-06	2.57E-06	1.15E-06	4.15E-08	1.00E-06	7.05E-07	6.10E-07	1.82E-07	2.54E-06
489585.89, 3859026.54	0.0176	0.003565	1.23E-06	3.73E-06	2.94E-06	2.55E-06	1.15E-06	4.12E-08	9.95E-07	6.99E-07	6.05E-07	1.81E-07	2.52E-06
489635.89, 3859026.54	0.01758	0.003561	1.23E-06	3.72E-06	2.94E-06	2.54E-06	1.14E-06	4.12E-08	9.94E-07	6.99E-07	6.04E-07	1.80E-07	2.52E-06
489685.89, 3859026.54	0.01757	0.003559	1.23E-06	3.72E-06	2.94E-06	2.54E-06	1.14E-06	4.11E-08	9.94E-07	6.98E-07	6.04E-07	1.80E-07	2.52E-06
489735.89, 3859026.54	0.01768	0.003581	1.24E-06	3.74E-06	2.96E-06	2.56E-06	1.15E-06	4.14E-08	1.00E-06	7.03E-07	6.08E-07	1.81E-07	2.53E-06
489785.89, 3859026.54	0.01779	0.003603	1.25E-06	3.77E-06	2.98E-06	2.57E-06	1.16E-06	4.17E-08	1.01E-06	7.07E-07	6.12E-07	1.83E-07	2.55E-06
489835.89, 3859026.54	0.01768	0.003581	1.24E-06	3.74E-06	2.96E-06	2.56E-06	1.15E-06	4.14E-08	1.00E-06	7.03E-07	6.08E-07	1.81E-07	2.53E-06
489885.89, 3859026.54	0.01769	0.003583	1.24E-06	3.75E-06	2.96E-06	2.56E-06	1.15E-06	4.14E-08	1.00E-06	7.03E-07	6.08E-07	1.82E-07	2.53E-06
489935.89, 3859026.54	0.01762	0.003569	1.24E-06	3.73E-06	2.95E-06	2.55E-06	1.15E-06	4.13E-08	9.97E-07	7.00E-07	6.06E-07	1.81E-07	2.52E-06
489985.89, 3859026.54	0.01755	0.003555	1.23E-06	3.72E-06	2.93E-06	2.54E-06	1.14E-06	4.11E-08	9.93E-07	6.97E-07	6.03E-07	1.80E-07	2.51E-06
490035.89, 3859026.54	0.01648	0.003338	1.16E-06	3.49E-06	2.76E-06	2.38E-06	1.07E-06	3.86E-08	9.32E-07	6.55E-07	5.67E-07	1.69E-07	2.36E-06
489485.89, 3859076.54	0.01832	0.003711	1.28E-06	3.88E-06	3.06E-06	2.65E-06	1.19E-06	4.29E-08	1.04E-06	7.28E-07	6.30E-07	1.88E-07	2.62E-06
489535.89, 3859076.54	0.01817	0.00368	1.27E-06	3.85E-06	3.04E-06	2.63E-06	1.18E-06	4.25E-08	1.03E-06	7.22E-07	6.25E-07	1.86E-07	2.60E-06
489585.89, 3859076.54	0.01803	0.003652	1.26E-06	3.82E-06	3.02E-06	2.61E-06	1.17E-06	4.22E-08	1.02E-06	7.16E-07	6.20E-07	1.85E-07	2.58E-06
489635.89, 3859076.54	0.01807	0.00366	1.27E-06	3.83E-06	3.02E-06	2.61E-06	1.18E-06	4.23E-08	1.02E-06	7.18E-07	6.21E-07	1.85E-07	2.59E-06
489685.89, 3859076.54	0.01809	0.003664	1.27E-06	3.83E-06	3.03E-06	2.62E-06	1.18E-06	4.24E-08	1.02E-06	7.19E-07	6.22E-07	1.86E-07	2.59E-06
489735.89, 3859076.54	0.01812	0.00367	1.27E-06	3.84E-06	3.03E-06	2.62E-06	1.18E-06	4.24E-08	1.02E-06	7.20E-07	6.23E-07	1.86E-07	2.60E-06
489785.89, 3859076.54	0.01815	0.003676	1.27E-06	3.84E-06	3.04E-06	2.63E-06	1.18E-06	4.25E-08	1.03E-06	7.21E-07	6.24E-07	1.86E-07	2.60E-06
489835.89, 3859076.54	0.01807	0.00366	1.27E-06	3.83E-06	3.02E-06	2.61E-06	1.18E-06	4.23E-08	1.02E-06	7.18E-07	6.21E-07	1.85E-07	2.59E-06
489885.89, 3859076.54	0.01799	0.003644	1.26E-06	3.81E-06	3.01E-06	2.60E-06	1.17E-06	4.21E-08	1.02E-06	7.15E-07	6.19E-07	1.85E-07	2.58E-06
489935.89, 3859076.54	0.01798	0.003642	1.26E-06	3.81E-06	3.01E-06	2.60E-06	1.17E-06	4.21E-08	1.02E-06	7.14E-07	6.18E-07	1.85E-07	2.58E-06
489985.89, 3859076.54	0.0178	0.003605	1.25E-06	3.77E-06	2.98E-06	2.58E-06	1.16E-06	4.17E-08	1.01E-06	7.07E-07	6.12E-07	1.83E-07	2.55E-06
490035.89, 3859076.54	0.01684	0.003411	1.18E-06	3.57E-06	2.82E-06	2.44E-06	1.10E-06	3.94E-08	9.52E-07	6.69E-07	5.79E-07	1.73E-07	2.41E-06
489585.89, 3859126.54	0.01865	0.003778	1.31E-06	3.95E-06	3.12E-06	2.70E-06	1.21E-06	4.37E-08	1.05E-06	7.41E-07	6.41E-07	1.91E-07	2.67E-06
489635.89, 3859126.54	0.01867	0.003782	1.31E-06	3.95E-06	3.12E-06	2.70E-06	1.21E-06	4.37E-08	1.06E-06	7.42E-07	6.42E-07	1.92E-07	2.67E-06
489685.89, 3859126.54	0.01863	0.003774	1.31E-06	3.94E-06	3.12E-06	2.70E-06	1.21E-06	4.36E-08	1.05E-06	7.40E-07	6.41E-07	1.91E-07	2.67E-06
489735.89, 3859126.54	0.01859	0.003765	1.30E-06	3.94E-06	3.11E-06	2.69E-06	1.21E-06	4.35E-08	1.05E-06	7.39E-07	6.39E-07	1.91E-07	2.66E-06
489785.89, 3859126.54	0.01859	0.003765	1.30E-06	3.94E-06	3.11E-06	2.69E-06	1.21E-06	4.35E-08	1.05E-06	7.39E-07	6.39E-07	1.91E-07	2.66E-06
489835.89, 3859126.54	0.01848	0.003743	1.30E-06	3.91E-06	3.09E-06	2.67E-06	1.20E-06	4.33E-08	1.05E-06	7.34E-07	6.35E-07	1.90E-07	2.65E-06
489885.89, 3859126.54	0.01829	0.003705	1.28E-06	3.87E-06	3.06E-06	2.65E-06	1.19E-06	4.28E-08	1.03E-06	7.27E-07	6.29E-07	1.88E-07	2.62E-06
489935.89, 3859126.54	0.01827	0.003701	1.28E-06	3.87E-06	3.06E-06	2.64E-06	1.19E-06	4.28E-08	1.03E-06	7.26E-07	6.28E-07	1.88E-07	2.62E-06
489985.89, 3859126.54	0.01777	0.003599	1.25E-06	3.76E-06	2.97E-06	2.57E-06	1.16E-06	4.16E-08	1.01E-06	7.06E-07	6.11E-07	1.82E-07	2.55E-06
490035.89, 3859126.54	0.01729	0.003502	1.21E-06	3.66E-06	2.89E-06	2.50E-06	1.13E-06	4.05E-08	9.78E-07	6.87E-07	5.94E-07	1.77E-07	2.48E-06
489585.89, 3859176.54	0.01921	0.003891	1.35E-06	4.07E-06	3.21E-06	2.78E-06	1.25E-06	4.50E-08	1.09E-06	7.63E-07	6.60E-07	1.97E-07	2.75E-06
489635.89, 3859176.54	0.01923	0.003895	1.35E-06	4.07E-06	3.22E-06	2.78E-06	1.25E-06	4.50E-08	1.09E-06	7.64E-07	6.61E-07	1.97E-07	2.76E-06
489685.89, 3859176.54	0.01928	0.003905	1.35E-06	4.08E-06	3.22E-06	2.79E-06	1.25E-06	4.51E-08	1.09E-06	7.66E-07	6.63E-07	1.98E-07	2.76E-06
489735.89, 3859176.54	0.0193	0.003909	1.35E-06	4.09E-06	3.23E-06	2.79E-06	1.26E-06	4.52E-08	1.09E-06	7.67E-07	6.64E-07	1.98E-07	2.77E-06
489785.89, 3859176.54	0.01912	0.003873	1.34E-06	4.05E-06	3.20E-06	2.77E-06	1.24E-06	4.48E-08	1.08E-06	7.60E-07	6.57E-07	1.96E-07	2.74E-06
489835.89, 3859176.54	0.01899	0.003846	1.33E-06	4.02E-06	3.18E-06	2.75E-06	1.24E-06	4.45E-08	1.07E-06	7.55E-07	6.53E-07	1.95E-07	2.72E-06
489885.89, 3859176.54	0.01878	0.003804	1.32E-06	3.98E-06	3.14E-06	2.72E-06	1.22E-06	4.40E-08	1.06E-06	7.46E-07	6.46E-07	1.93E-07	2.69E-06

489935.89, 3859176.54	0.01872	0.003792	1.31E-06	3.96E-06	3.13E-06	2.71E-06	1.22E-06	4.38E-08	1.06E-06	7.44E-07	6.44E-07	1.92E-07	2.68E-06
489985.89, 3859176.54	0.01815	0.003676	1.27E-06	3.84E-06	3.04E-06	2.63E-06	1.18E-06	4.25E-08	1.03E-06	7.21E-07	6.24E-07	1.86E-07	2.60E-06
490035.89, 3859176.54	0.01814	0.003674	1.27E-06	3.84E-06	3.03E-06	2.62E-06	1.18E-06	4.25E-08	1.03E-06	7.21E-07	6.24E-07	1.86E-07	2.60E-06
489685.89, 3859226.54	0.01981	0.004013	1.39E-06	4.19E-06	3.31E-06	2.87E-06	1.29E-06	4.64E-08	1.12E-06	7.87E-07	6.81E-07	2.03E-07	2.84E-06
489735.89, 3859226.54	0.01993	0.004037	1.40E-06	4.22E-06	3.33E-06	2.88E-06	1.30E-06	4.67E-08	1.13E-06	7.92E-07	6.85E-07	2.05E-07	2.86E-06
489785.89, 3859226.54	0.0198	0.004011	1.39E-06	4.19E-06	3.31E-06	2.87E-06	1.29E-06	4.64E-08	1.12E-06	7.87E-07	6.81E-07	2.03E-07	2.84E-06
489835.89, 3859226.54	0.0195	0.00395	1.37E-06	4.13E-06	3.26E-06	2.82E-06	1.27E-06	4.57E-08	1.10E-06	7.75E-07	6.70E-07	2.00E-07	2.79E-06
489885.89, 3859226.54	0.01933	0.003915	1.36E-06	4.09E-06	3.23E-06	2.80E-06	1.26E-06	4.53E-08	1.09E-06	7.68E-07	6.65E-07	1.98E-07	2.77E-06
489935.89, 3859226.54	0.01911	0.003871	1.34E-06	4.05E-06	3.20E-06	2.77E-06	1.24E-06	4.47E-08	1.08E-06	7.59E-07	6.57E-07	1.96E-07	2.74E-06
489985.89, 3859226.54	0.01833	0.003713	1.29E-06	3.88E-06	3.07E-06	2.65E-06	1.19E-06	4.29E-08	1.04E-06	7.28E-07	6.30E-07	1.88E-07	2.63E-06
490035.89, 3859226.54	0.01842	0.003731	1.29E-06	3.90E-06	3.08E-06	2.67E-06	1.20E-06	4.31E-08	1.04E-06	7.32E-07	6.33E-07	1.89E-07	2.64E-06
489735.89, 3859276.54	0.02053	0.004158	1.44E-06	4.35E-06	3.43E-06	2.97E-06	1.34E-06	4.81E-08	1.16E-06	8.16E-07	7.06E-07	2.11E-07	2.94E-06
489785.89, 3859276.54	0.02051	0.004154	1.44E-06	4.34E-06	3.43E-06	2.97E-06	1.33E-06	4.80E-08	1.16E-06	8.15E-07	7.05E-07	2.10E-07	2.94E-06
489835.89, 3859276.54	0.02016	0.004083	1.41E-06	4.27E-06	3.37E-06	2.92E-06	1.31E-06	4.72E-08	1.14E-06	8.01E-07	6.93E-07	2.07E-07	2.89E-06
489885.89, 3859276.54	0.02002	0.004055	1.40E-06	4.24E-06	3.35E-06	2.90E-06	1.30E-06	4.69E-08	1.13E-06	7.95E-07	6.88E-07	2.05E-07	2.87E-06
489935.89, 3859276.54	0.01965	0.00398	1.38E-06	4.16E-06	3.29E-06	2.84E-06	1.28E-06	4.60E-08	1.11E-06	7.81E-07	6.76E-07	2.02E-07	2.82E-06
489985.89, 3859276.54	0.01867	0.003782	1.31E-06	3.95E-06	3.12E-06	2.70E-06	1.21E-06	4.37E-08	1.06E-06	7.42E-07	6.42E-07	1.92E-07	2.67E-06
490035.89, 3859276.54	0.01907	0.003863	1.34E-06	4.04E-06	3.19E-06	2.76E-06	1.24E-06	4.47E-08	1.08E-06	7.58E-07	6.56E-07	1.96E-07	2.73E-06
490458.06, 3859590.74	0.02501	0.005066	1.75E-06	5.29E-06	4.18E-06	3.62E-06	1.63E-06	5.86E-08	1.41E-06	9.94E-07	8.60E-07	2.57E-07	3.58E-06
490508.06, 3859590.74	0.0242	0.004902	1.70E-06	5.12E-06	4.05E-06	3.50E-06	1.57E-06	5.67E-08	1.37E-06	9.62E-07	8.32E-07	2.48E-07	3.47E-06
490558.06, 3859590.74	0.02345	0.00475	1.64E-06	4.96E-06	3.92E-06	3.39E-06	1.53E-06	5.49E-08	1.33E-06	9.32E-07	8.06E-07	2.41E-07	3.36E-06
490608.06, 3859590.74	0.02263	0.004584	1.59E-06	4.79E-06	3.78E-06	3.27E-06	1.47E-06	5.30E-08	1.28E-06	8.99E-07	7.78E-07	2.32E-07	3.24E-06
490658.06, 3859590.74	0.02179	0.004414	1.53E-06	4.61E-06	3.64E-06	3.15E-06	1.42E-06	5.10E-08	1.23E-06	8.66E-07	7.49E-07	2.24E-07	3.12E-06
490708.06, 3859590.74	0.02102	0.004258	1.47E-06	4.45E-06	3.52E-06	3.04E-06	1.37E-06	4.92E-08	1.19E-06	8.35E-07	7.23E-07	2.16E-07	3.01E-06
490758.06, 3859590.74	0.02023	0.004098	1.42E-06	4.28E-06	3.38E-06	2.93E-06	1.32E-06	4.74E-08	1.14E-06	8.04E-07	6.96E-07	2.08E-07	2.90E-06
490808.06, 3859590.74	0.01976	0.004002	1.39E-06	4.18E-06	3.30E-06	2.86E-06	1.29E-06	4.63E-08	1.12E-06	7.85E-07	6.79E-07	2.03E-07	2.83E-06
490858.06, 3859590.74	0.01924	0.003897	1.35E-06	4.07E-06	3.22E-06	2.78E-06	1.25E-06	4.50E-08	1.09E-06	7.64E-07	6.61E-07	1.97E-07	2.76E-06
490458.06, 3859640.74	0.02695	0.005459	1.89E-06	5.71E-06	4.51E-06	3.90E-06	1.75E-06	6.31E-08	1.52E-06	1.07E-06	9.27E-07	2.77E-07	3.86E-06
490508.06, 3859640.74	0.02621	0.005309	1.84E-06	5.55E-06	4.38E-06	3.79E-06	1.71E-06	6.14E-08	1.48E-06	1.04E-06	9.01E-07	2.69E-07	3.76E-06
490558.06, 3859640.74	0.02548	0.005161	1.79E-06	5.39E-06	4.26E-06	3.69E-06	1.66E-06	5.97E-08	1.44E-06	1.01E-06	8.76E-07	2.62E-07	3.65E-06
490608.06, 3859640.74	0.02436	0.004934	1.71E-06	5.16E-06	4.07E-06	3.52E-06	1.59E-06	5.70E-08	1.38E-06	9.68E-07	8.38E-07	2.50E-07	3.49E-06
490658.06, 3859640.74	0.02323	0.004705	1.63E-06	4.92E-06	3.88E-06	3.36E-06	1.51E-06	5.44E-08	1.31E-06	9.23E-07	7.99E-07	2.38E-07	3.33E-06
490708.06, 3859640.74	0.02239	0.004535	1.57E-06	4.74E-06	3.74E-06	3.24E-06	1.46E-06	5.24E-08	1.27E-06	8.90E-07	7.70E-07	2.30E-07	3.21E-06
490758.06, 3859640.74	0.0215	0.004355	1.51E-06	4.55E-06	3.60E-06	3.11E-06	1.40E-06	5.03E-08	1.22E-06	8.54E-07	7.39E-07	2.21E-07	3.08E-06
490808.06, 3859640.74	0.02108	0.00427	1.48E-06	4.46E-06	3.53E-06	3.05E-06	1.37E-06	4.94E-08	1.19E-06	8.38E-07	7.25E-07	2.16E-07	3.02E-06
490858.06, 3859640.74	0.02071	0.004195	1.45E-06	4.38E-06	3.46E-06	3.00E-06	1.35E-06	4.85E-08	1.17E-06	8.23E-07	7.12E-07	2.13E-07	2.97E-06
490608.06, 3859690.74	0.02611	0.005289	1.83E-06	5.53E-06	4.37E-06	3.78E-06	1.70E-06	6.11E-08	1.48E-06	1.04E-06	8.98E-07	2.68E-07	3.74E-06
490658.06, 3859690.74	0.02488	0.00504	1.74E-06	5.27E-06	4.16E-06	3.60E-06	1.62E-06	5.83E-08	1.41E-06	9.89E-07	8.55E-07	2.55E-07	3.56E-06
490708.06, 3859690.74	0.02391	0.004843	1.68E-06	5.06E-06	4.00E-06	3.46E-06	1.56E-06	5.60E-08	1.35E-06	9.50E-07	8.22E-07	2.45E-07	3.43E-06
490758.06, 3859690.74	0.0229	0.004638	1.61E-06	4.85E-06	3.83E-06	3.31E-06	1.49E-06	5.36E-08	1.30E-06	9.10E-07	7.87E-07	2.35E-07	3.28E-06
490808.06, 3859690.74	0.02227	0.004511	1.56E-06	4.71E-06	3.72E-06	3.22E-06	1.45E-06	5.21E-08	1.26E-06	8.85E-07	7.66E-07	2.29E-07	3.19E-06
490858.06, 3859690.74	0.02228	0.004513	1.56E-06	4.72E-06	3.73E-06	3.22E-06	1.45E-06	5.22E-08	1.26E-06	8.85E-07	7.66E-07	2.29E-07	3.19E-06
490708.06, 3859740.74	0.02584	0.005234	1.81E-06	5.47E-06	4.32E-06	3.74E-06	1.68E-06	6.05E-08	1.46E-06	1.03E-06	8.88E-07	2.65E-07	3.70E-06
490758.06, 3859740.74	0.0254	0.005145	1.78E-06	5.38E-06	4.25E-06	3.68E-06	1.65E-06	5.95E-08	1.44E-06	1.01E-06	8.73E-07	2.61E-07	3.64E-06
490808.06, 3859740.74	0.02474	0.005011	1.73E-06	5.24E-06	4.14E-06	3.58E-06	1.61E-06	5.79E-08	1.40E-06	9.83E-07	8.51E-07	2.54E-07	3.54E-06
490858.06, 3859740.74	0.02436	0.004934	1.71E-06	5.16E-06	4.07E-06	3.52E-06	1.59E-06	5.70E-08	1.38E-06	9.68E-07	8.38E-07	2.50E-07	3.49E-06
490786.56, 3859749.39	0.02547	0.005159	1.79E-06	5.39E-06	4.26E-06	3.69E-06	1.66E-06	5.96E-08	1.44E-06	1.01E-06	8.76E-07	2.61E-07	3.65E-06
490836.56, 3859749.39	0.02486	0.005035	1.74E-06	5.26E-06	4.16E-06	3.60E-06	1.62E-06	5.82E-08	1.41E-06	9.88E-07	8.55E-07	2.55E-07	3.56E-06
490786.56, 3859799.39	0.02784	0.005639	1.95E-06	5.89E-06	4.66E-06	4.03E-06	1.81E-06	6.52E-08	1.57E-06	1.11E-06	9.57E-07	2.86E-07	3.99E-06
490836.56, 3859799.39	0.02712	0.005493	1.90E-06	5.74E-06	4.54E-06	3.92E-06	1.76E-06	6.35E-08	1.53E-06	1.08E-06	9.32E-07	2.78E-07	3.89E-06
492307.84, 3854508.36	0.00208	0.000421	1.46E-07	4.40E-07	3.48E-07	3.01E-07	1.35E-07	4.87E-09	1.18E-07	8.26E-08	7.15E-08	2.13E-08	2.98E-07
486445.7, 3854753.6	0.00274	0.000555	1.92E-07	5.80E-07	4.58E-07	3.96E-07	1.78E-07	6.42E-09	1.55E-07	1.09E-07	9.42E-08	2.81E-08	3.93E-07
472599.75, 3877830.11	0.00209	0.000423	1.47E-07	4.42E-07	3.50E-07	3.02E-07	1.36E-07	4.89E-09	1.18E-07	8.30E-08	7.19E-08	2.14E-08	2.99E-07
493107.48, 3866840.19	0.00311	0.00063	2.18E-07	6.58E-07	5.20E-07	4.50E-07	2.02E-07	7.28E-09	1.76E-07	1.24E-07	1.07E-07	3.19E-08	4.46E-07
495815.79, 3861662.87	5.7316	1.160956	4.02E-04	1.21E-03	9.59E-04	8.29E-04	3.73E-04	1.34E-05	3.24E-04	2.28E-04	1.97E-04	5.88E-05	8.21E-04
480272.33, 3841389.2	0.00045	9.11E-05	3.16E-08	9.53E-08	7.53E-08	6.51E-08	2.93E-08	1.05E-09	2.55E-08	1.79E-08	1.55E-08	4.62E-09	6.45E-08
497005.18, 3862813.64	0.63176	0.127965	4.43E-05	1.34E-04	1.06E-04	9.14E-05	4.11E-05	1.48E-06	3.57E-05	2.51E-05	2.17E-05	6.48E-06	9.05E-05
493677.33, 3860302.55	0.06899	0.013974	4.84E-06	1.46E-05	1.15E-05	9.98E-06	4.49E-06	1.62E-07	3.90E-06	2.74E-06	2.37E-06	7.08E-07	9.88E-06
493727.33, 3860302.55	0.07002	0.014183	4.91E-06	1.48E-05	1.17E-05	1.01E-05	4.56E-06	1.64E-07	3.96E-06	2.78E-06	2.41E-06	7.19E-07	1.00E-05
493777.33, 3860302.55	0.07046	0.014272	4.94E-06	1.49E-05	1.18E-05	1.02E-05	4.58E-06	1.65E-07	3.98E-06	2.80E-06	2.42E-06	7.23E-07	1.01E-05
493827.33, 3860302.55	0.07061	0.014302	4.95E-06	1.49E-05	1.18E-05	1.02E-05	4.59E-06	1.65E-07	3.99E-06	2.81E-06	2.43E-06	7.25E-07	1.01E-05
493877.33, 3860302.55	0.07161	0.014505	5.02E-06	1.52E-05	1.20E-05	1.04E-05	4.66E-06	1.68E-07	4.05E-06	2.85E-06	2.46E-06	7.35E-07	1.03E-05
493927.33, 3860302.55	0.07309	0.014805	5.12E-06	1.55E-05	1.22E-05	1.06E-05	4.76E-06	1.71E-07	4.13E-06	2.90E-06	2.51E-06	7.50E-07	1.05E-05
493977.33, 3860302.55	0.07031	0.014242	4.93E-06	1.49E-05	1.18E-05	1.02E-05	4.57E-06	1.65E-07	3.98E-06	2.79E-06	2.42E-06	7.22E-07	1.01E-05
494027.33, 3860302.55	0.06955	0.014088	4.88E-06	1.47E-05	1.16E-05	1.01E-05	4.53E-06	1.63E-07	3.93E-06	2.76E-06	2.39E-06	7.14E-07	9.96E-06
493677.33, 3860352.55	0.07808	0.015815	5.47E-06	1.65E-05	1.31E-05	1.13E-05	5.08E-06	1.83E-07	4.42E-06	3.10E-06	2.68E-06	8.01E-07	1.12E-05
493727.33, 3860352.55	0.0802	0.016245	5.62E-06	1.70E-05	1.34E-05	1.16E-05	5.22E-06	1.88E-07	4.54E-06	3.19E-06	2.76E-06	8.23E-07	1.15E-05
493777.33, 3860352.55	0.0822	0.01665	5.76E-06	1.74E-05	1.37E-05	1.19E-05	5.35E-06	1.92E-07	4.65E-06	3.27E-06	2.83E-06	8.44E-07	1.18E-05
493827.33, 3860352.55	0.08324	0.016861	5.84E-06	1.76E-05	1.39E-05	1.20E-05	5.42E-06	1.95E-07	4.71E-06	3.31E-06	2.86E-06	8.54E-07	1.19E-05
493877.33, 3860352.55	0.08317	0.016846	5.83E-06	1.76E-05	1.39E-05	1.20E-05	5.41E-06	1.95E-07	4.70E-06	3.30E-06	2.86E-06	8.54E-07	1.19E-05
493927.33, 3860352.55	0.08172	0.016553	5.73E-06	1.73E-05	1.37E-05	1.18E-05	5.32E-06	1.91E-07	4.62E-06	3.25E-06	2.81E-06	8.39E-07	1.17E-05
493977.33, 3860352.55	0.07949	0.016101	5.57E-06	1.68E-05	1.33E-05	1.15E-05	5.17E-06	1.86E-07	4.50E-06	3.16E-06	2.73E-06	8.16E-07	1.14E-05
494027.33, 3860352.55	0.08006	0.016216	5.61E-06	1.69E-05	1.34E-05	1.16E-05	5.21E-06	1.87E-07	4.53E-06	3.18E-06	2.75E-06	8.22E-07	1.15E-05
493677.33, 3860402.55	0.09126	0.018485	6.40E-06	1.93E-05	1.53E-05	1.32E-05	5.94E-06	2.14E-07	5.16E-06	3.63E-06	3.14E-06	9.37E-07	1.31E-05
493727.33, 3860402.55	0.09353	0.018945	6.56E-06	1.98E-05	1.56E-05	1.35E-05	6.09E-06	2.19E-07	5.29E-06	3.72E-06	3.22E-06	9.60E-07	1.34E-05
493777.33, 3860402.55	0.0917	0.018574	6.43E-06	1.94E-05	1.53E-05	1.33E-05	5.97E-06	2.15E-07	5.19E-06	3.64E-06	3.15E-06	9.41E-07	1.31E-05
493827.33, 3860402.55	0.09518	0.019279	6.67E-06	2.02E-05	1.59E-05	1.38E-05	6.19E-06	2.23E-07	5.38E-06	3.78E-06	3.27E-06	9.77E-07	1.36E-05
493877.33, 3860402.55	0.09686	0.019619	6.79E-06	2.05E-05	1.62E-05	1.40E-05	6.30E-06	2.27E-07	5.48E-06	3.85E-06	3.33E-06	9.94E-07	1.39E-05
493927.33, 3860402.55	0.09119	0.018471	6.39E-06	1.93E-05	1.52E-05	1.32E-05	5.93E-06	2.14E-07	5.16E-06	3.62E-06	3.14E-06	9.36E-07	1.31E-05
493977.33, 3860402.55	0.0907	0.018372	6.36E-06	1.92E-05	1.52E-05	1.31E-05	5.90E-06	2.12E-07	5.13E-06	3.60E-06	3.12E-06	9.31E-07	1.30E-05
494027.33, 3860402.55	0.09231	0.018698	6.47E-06	1.95E-05	1.54E-05	1.34E-05	6.01E-06	2.16E-07	5.22E-06	3.67E-06	3.17E-06	9.47E-07	1.32E-05
493677.33, 3860452.55	0.10419	0.021104	7.31E-06	2.21E-05	1.74E-05	1.51E-05	6.78E-06	2.44E-07	5.89E-06	4.14E-06	3.58E-06	1.07E-06	1.49E-05
493727.33, 3860452.55	0.10974	0.022228	7.69E-06	2.32E-05	1.84E-05	1.59E-05	7.14E-06	2.57E-07	6.21E-06	4.36E-06	3.77E-06	1.13E-06	1.57E-05
493777.33, 3860452.55	0.11168	0.022621	7.83E-06	2.36E-05	1.87E-05	1.62E-05	7.27E-06	2.61E-07	6.32E-06	4.44E-06	3.84E-06	1.15E-06	1.60E-05
493827.33, 3860452.55	0.11041	0.022364	7.74E-06	2.34E-05	1.85E-05	1.60E-05	7.18E-06	2.59E-07	6.24E-06	4.39E-06	3.80E-06	1.13E-06	1.58E-05
493877.33, 3860452.55	0.11005	0.022291	7.72E-06	2.33E-05	1.84E-05	1.59E-05	7.16E-06	2.58E-07	6.22E-06	4.37E-06	3.78E-06	1.13E-06	1.58E-05
493927.33, 3860452.55	0.10584	0.021438	7.42E-06	2.24E-05	1.77E-05	1.53E-05	6.89E-06	2.48E-07	5.99E-06	4.21E-06	3.64E-06	1.09E-06	1.52E-05
493977.33, 3860452.55	0.10674	0.021621	7.48E-06	2.26E-05	1.79E-05	1.54E-05	6.95E-06	2.50E-07	6.04E-06	4.24E-06	3.67E-06	1.10E-06	1.53E-05
494027.33, 3860452.55	0.10772	0.021819	7.55E-06	2.28E-05	1.80E-05	1.56E-05	7.01E-06	2.52E-07	6.09E-06	4.28E-06	3.70E-06	1.11E-06	1.54E-05
493677.33, 3860502.55	0.12137	0.024584	8.51E-06	2.57E-05	2.03E-05	1.76E-05	7.90E-06	2.84E-07	6.86E-06	4.82E-06	4.17E-06	1.25E-06	1.74E-05
493727.33, 3860502.55	0.12601	0.025524	8.84E-06	2.67E-05	2.11E-05	1.82E-05	8.20E-06	2.95E-07	7.13E-06	5.01E-06	4.33E-06	1.29E-06	1.81E-05
493777.33, 3860502.55	0.12783	0.025892	8.96E-06	2.71E-05	2.14E-05	1.85E-05	8.32E-06	2.99E-07	7.23E-06	5.08E-06	4.39E-06	1.31E-06	1.83E-05
493827.33, 3860502.55	0.12941	0.026212	9.07E-06	2.74E-05	2.16E-05	1.87E-05	8.42E-06	3.03E-07	7.32E-06	5.14E-06	4.45E-06	1.33E-06	1.85E-05
493877.33, 3860502.55	0.12764	0.025854	8.95E-06	2.70E-05	2.13E-05	1.85E-05	8.31E-06	2.99E-07	7.22E-06	5.07E-06	4.39E-06	1.31E-06	1.83E-05
493927.33, 3860502.55	0.12422	0.025161	8.71E-06	2.63E-05	2.08E-05	1.80E-05	8.08E-06	2.91E-07	7.03E-06	4.94E-06	4.27E-06	1.27E-06	1.78E-05
493977.33, 3860502.55	0.12628	0.025578	8.85E-06	2.67E-05	2.11E-05	1.83E-05	8.22E-06	2.96E-07	7.14E-06	5.02E-06	4.34E-06	1.30E-06	1.81E-05
494027.33, 3860502.55	0.12655	0.025633	8.87E-06	2.68E-05	2.12E-05	1.83E-05	8.23E-06	2.96E-07	7.16E-06	5.03E-06	4.35E-06	1.30E-06	1.81E-05
493627.33, 3860552.55	0.1412	0.028601	9.90E-06	2.99E-05	2.36E-05	2.04E-05	9.19E-06	3.31E-07	7.99E-06	5.61E-06	4.85E-06	1.45E-06	2.02E-05
493677.33, 3860552.55	0.1465	0.029674	1.03E-05	3.10E-05	2.45E-05	2.12E-05	9.53E-06	3.43E-07	8.29E-06	5.82E-06	5.04E-06	1.50E-06	2.10E-05

493727.33, 3860552.55	0.15074	0.030533	1.06E-05	3.19E-05	2.52E-05	2.18E-05	9.81E-06	3.53E-07	8.53E-06	5.99E-06	5.18E-06	1.55E-06	2.16E-05
493777.33, 3860552.55	0.15083	0.030551	1.06E-05	3.19E-05	2.52E-05	2.18E-05	9.81E-06	3.53E-07	8.53E-06	5.99E-06	5.19E-06	1.55E-06	2.16E-05
493827.33, 3860552.55	0.14832	0.030043	1.04E-05	3.14E-05	2.48E-05	2.15E-05	9.65E-06	3.47E-07	8.39E-06	5.89E-06	5.10E-06	1.52E-06	2.13E-05
493877.33, 3860552.55	0.15138	0.030663	1.06E-05	3.20E-05	2.53E-05	2.19E-05	9.85E-06	3.54E-07	8.56E-06	6.01E-06	5.20E-06	1.55E-06	2.17E-05
493927.33, 3860552.55	0.14943	0.030268	1.05E-05	3.16E-05	2.50E-05	2.16E-05	9.72E-06	3.50E-07	8.45E-06	5.94E-06	5.14E-06	1.53E-06	2.14E-05
493977.33, 3860552.55	0.14633	0.02964	1.03E-05	3.10E-05	2.45E-05	2.12E-05	9.52E-06	3.43E-07	8.28E-06	5.81E-06	5.03E-06	1.50E-06	2.10E-05
494027.33, 3860552.55	0.14822	0.030022	1.04E-05	3.14E-05	2.48E-05	2.14E-05	9.64E-06	3.47E-07	8.38E-06	5.89E-06	5.10E-06	1.52E-06	2.12E-05
493627.33, 3860602.55	0.1685	0.03413	1.18E-05	3.57E-05	2.82E-05	2.44E-05	1.10E-05	3.95E-07	9.53E-06	6.70E-06	5.79E-06	1.73E-06	2.41E-05
493727.33, 3860602.55	0.18439	0.037349	1.29E-05	3.90E-05	3.08E-05	2.67E-05	1.20E-05	4.32E-07	1.04E-05	7.33E-06	6.34E-06	1.89E-06	2.64E-05
493777.33, 3860602.55	0.17807	0.036069	1.25E-05	3.77E-05	2.98E-05	2.58E-05	1.16E-05	4.17E-07	1.01E-05	7.08E-06	6.12E-06	1.83E-06	2.55E-05
493827.33, 3860602.55	0.17859	0.036174	1.25E-05	3.78E-05	2.99E-05	2.58E-05	1.16E-05	4.18E-07	1.01E-05	7.10E-06	6.14E-06	1.83E-06	2.56E-05
493877.33, 3860602.55	0.17423	0.035291	1.22E-05	3.69E-05	2.91E-05	2.52E-05	1.13E-05	4.08E-07	9.85E-06	6.92E-06	5.99E-06	1.79E-06	2.50E-05
493927.33, 3860602.55	0.17322	0.035086	1.21E-05	3.67E-05	2.90E-05	2.51E-05	1.13E-05	4.06E-07	9.80E-06	6.88E-06	5.96E-06	1.78E-06	2.48E-05
493977.33, 3860602.55	0.17125	0.034687	1.20E-05	3.63E-05	2.86E-05	2.48E-05	1.11E-05	4.01E-07	9.69E-06	6.80E-06	5.89E-06	1.76E-06	2.45E-05
494027.33, 3860602.55	0.17482	0.03541	1.23E-05	3.70E-05	2.92E-05	2.53E-05	1.14E-05	4.09E-07	9.89E-06	6.95E-06	6.01E-06	1.79E-06	2.50E-05
493627.33, 3860652.55	0.2056	0.041645	1.44E-05	4.35E-05	3.44E-05	2.98E-05	1.34E-05	4.81E-07	1.16E-05	8.17E-06	7.07E-06	2.11E-06	2.95E-05
493727.33, 3860652.55	0.22214	0.044995	1.56E-05	4.70E-05	3.71E-05	3.21E-05	1.45E-05	5.20E-07	1.26E-05	8.83E-06	7.64E-06	2.28E-06	3.18E-05
493777.33, 3860652.55	0.21663	0.043879	1.52E-05	4.59E-05	3.62E-05	3.13E-05	1.41E-05	5.07E-07	1.23E-05	8.61E-06	7.45E-06	2.22E-06	3.10E-05
493827.33, 3860652.55	0.21148	0.042836	1.48E-05	4.48E-05	3.54E-05	3.06E-05	1.38E-05	4.95E-07	1.20E-05	8.40E-06	7.27E-06	2.17E-06	3.03E-05
493877.33, 3860652.55	0.20472	0.041467	1.44E-05	4.33E-05	3.42E-05	2.96E-05	1.33E-05	4.79E-07	1.16E-05	8.13E-06	7.04E-06	2.10E-06	2.93E-05
493927.33, 3860652.55	0.20364	0.041248	1.43E-05	4.31E-05	3.41E-05	2.95E-05	1.33E-05	4.77E-07	1.15E-05	8.09E-06	7.00E-06	2.09E-06	2.92E-05
493977.33, 3860652.55	0.20327	0.041173	1.43E-05	4.30E-05	3.40E-05	2.94E-05	1.32E-05	4.76E-07	1.15E-05	8.08E-06	6.99E-06	2.09E-06	2.91E-05
494027.33, 3860652.55	0.1985	0.040207	1.39E-05	4.20E-05	3.32E-05	2.87E-05	1.29E-05	4.65E-07	1.12E-05	7.89E-06	6.82E-06	2.04E-06	2.84E-05
494311.06, 3858401.99	0.00453	0.000918	3.18E-07	9.59E-07	7.58E-07	6.55E-07	2.95E-07	1.06E-08	2.56E-07	1.80E-07	1.56E-07	4.65E-08	6.49E-07
494361.06, 3858401.99	0.00451	0.000914	3.16E-07	9.55E-07	7.54E-07	6.53E-07	2.93E-07	1.06E-08	2.55E-07	1.79E-07	1.55E-07	4.63E-08	6.46E-07
494411.06, 3858401.99	0.00449	0.000909	3.15E-07	9.51E-07	7.51E-07	6.50E-07	2.92E-07	1.05E-08	2.54E-07	1.78E-07	1.54E-07	4.61E-08	6.43E-07
494461.06, 3858401.99	0.00448	0.000907	3.14E-07	9.48E-07	7.49E-07	6.48E-07	2.91E-07	1.05E-08	2.53E-07	1.78E-07	1.54E-07	4.60E-08	6.42E-07
494511.06, 3858401.99	0.00446	0.000903	3.13E-07	9.44E-07	7.46E-07	6.45E-07	2.90E-07	1.04E-08	2.52E-07	1.77E-07	1.53E-07	4.58E-08	6.39E-07
494561.06, 3858401.99	0.00445	0.000901	3.12E-07	9.42E-07	7.44E-07	6.44E-07	2.90E-07	1.04E-08	2.52E-07	1.77E-07	1.53E-07	4.57E-08	6.38E-07
494611.06, 3858401.99	0.00442	0.000895	3.10E-07	9.36E-07	7.39E-07	6.40E-07	2.88E-07	1.03E-08	2.50E-07	1.76E-07	1.52E-07	4.54E-08	6.33E-07
494661.06, 3858401.99	0.0044	0.000891	3.09E-07	9.32E-07	7.36E-07	6.37E-07	2.86E-07	1.03E-08	2.49E-07	1.75E-07	1.51E-07	4.52E-08	6.30E-07
494711.06, 3858401.99	0.00437	0.000885	3.06E-07	9.25E-07	7.31E-07	6.32E-07	2.84E-07	1.02E-08	2.47E-07	1.74E-07	1.50E-07	4.48E-08	6.26E-07
494761.06, 3858401.99	0.00436	0.000883	3.06E-07	9.23E-07	7.29E-07	6.31E-07	2.84E-07	1.02E-08	2.47E-07	1.73E-07	1.50E-07	4.47E-08	6.25E-07
494811.06, 3858401.99	0.00435	0.000881	3.05E-07	9.21E-07	7.27E-07	6.29E-07	2.83E-07	1.02E-08	2.46E-07	1.73E-07	1.50E-07	4.46E-08	6.23E-07
494861.06, 3858401.99	0.00434	0.000879	3.04E-07	9.19E-07	7.26E-07	6.28E-07	2.82E-07	1.02E-08	2.45E-07	1.72E-07	1.49E-07	4.45E-08	6.22E-07
494911.06, 3858401.99	0.00433	0.000877	3.04E-07	9.17E-07	7.24E-07	6.27E-07	2.82E-07	1.01E-08	2.45E-07	1.72E-07	1.49E-07	4.44E-08	6.20E-07
494961.06, 3858401.99	0.00432	0.000875	3.03E-07	9.15E-07	7.22E-07	6.25E-07	2.81E-07	1.01E-08	2.44E-07	1.72E-07	1.49E-07	4.43E-08	6.19E-07
495011.06, 3858401.99	0.0043	0.000871	3.02E-07	9.10E-07	7.19E-07	6.22E-07	2.80E-07	1.01E-08	2.43E-07	1.71E-07	1.48E-07	4.41E-08	6.16E-07
495061.06, 3858401.99	0.00429	0.000869	3.01E-07	9.08E-07	7.17E-07	6.21E-07	2.79E-07	1.00E-08	2.43E-07	1.70E-07	1.47E-07	4.40E-08	6.15E-07
495111.06, 3858401.99	0.00426	0.000863	2.99E-07	9.02E-07	7.12E-07	6.16E-07	2.77E-07	9.97E-09	2.41E-07	1.69E-07	1.46E-07	4.37E-08	6.10E-07
495161.06, 3858401.99	0.00426	0.000863	2.99E-07	9.02E-07	7.12E-07	6.16E-07	2.77E-07	9.97E-09	2.41E-07	1.69E-07	1.46E-07	4.37E-08	6.10E-07
495211.06, 3858401.99	0.00423	0.000857	2.97E-07	8.96E-07	7.07E-07	6.12E-07	2.75E-07	9.90E-09	2.39E-07	1.68E-07	1.45E-07	4.34E-08	6.06E-07
495261.06, 3858401.99	0.00422	0.000855	2.96E-07	8.93E-07	7.06E-07	6.11E-07	2.75E-07	9.88E-09	2.39E-07	1.68E-07	1.45E-07	4.33E-08	6.05E-07
495311.06, 3858401.99	0.0042	0.000851	2.94E-07	8.89E-07	7.02E-07	6.08E-07	2.73E-07	9.83E-09	2.38E-07	1.67E-07	1.44E-07	4.31E-08	6.02E-07
495361.06, 3858401.99	0.0042	0.000851	2.94E-07	8.89E-07	7.02E-07	6.08E-07	2.73E-07	9.83E-09	2.38E-07	1.67E-07	1.44E-07	4.31E-08	6.02E-07
495411.06, 3858401.99	0.00421	0.000853	2.95E-07	8.91E-07	7.04E-07	6.09E-07	2.74E-07	9.86E-09	2.38E-07	1.67E-07	1.45E-07	4.32E-08	6.03E-07
495461.06, 3858401.99	0.00422	0.000855	2.96E-07	8.93E-07	7.06E-07	6.11E-07	2.75E-07	9.88E-09	2.39E-07	1.68E-07	1.45E-07	4.33E-08	6.05E-07
495511.06, 3858401.99	0.00422	0.000855	2.96E-07	8.93E-07	7.06E-07	6.11E-07	2.75E-07	9.88E-09	2.39E-07	1.68E-07	1.45E-07	4.33E-08	6.05E-07
495561.06, 3858401.99	0.00419	0.000849	2.94E-07	8.87E-07	7.01E-07	6.06E-07	2.73E-07	9.81E-09	2.37E-07	1.66E-07	1.44E-07	4.30E-08	6.00E-07
495611.06, 3858401.99	0.0042	0.000851	2.94E-07	8.89E-07	7.02E-07	6.08E-07	2.73E-07	9.83E-09	2.38E-07	1.67E-07	1.44E-07	4.31E-08	6.02E-07
495661.06, 3858401.99	0.00425	0.000861	2.98E-07	9.00E-07	7.11E-07	6.15E-07	2.77E-07	9.95E-09	2.40E-07	1.69E-07	1.46E-07	4.36E-08	6.09E-07
494311.06, 3858451.99	0.00471	0.000954	3.30E-07	9.97E-07	7.88E-07	6.82E-07	3.06E-07	1.10E-08	2.66E-07	1.87E-07	1.62E-07	4.83E-08	6.75E-07
494361.06, 3858451.99	0.0047	0.000952	3.30E-07	9.95E-07	7.86E-07	6.80E-07	3.06E-07	1.10E-08	2.66E-07	1.87E-07	1.62E-07	4.82E-08	6.73E-07
494411.06, 3858451.99	0.00469	0.00095	3.29E-07	9.93E-07	7.84E-07	6.79E-07	3.05E-07	1.10E-08	2.65E-07	1.86E-07	1.61E-07	4.81E-08	6.72E-07
494461.06, 3858451.99	0.00468	0.000948	3.28E-07	9.91E-07	7.83E-07	6.77E-07	3.05E-07	1.10E-08	2.65E-07	1.86E-07	1.61E-07	4.80E-08	6.71E-07
494511.06, 3858451.99	0.00467	0.000946	3.27E-07	9.89E-07	7.81E-07	6.76E-07	3.04E-07	1.09E-08	2.64E-07	1.86E-07	1.61E-07	4.79E-08	6.69E-07
494561.06, 3858451.99	0.00464	0.00094	3.25E-07	9.82E-07	7.76E-07	6.71E-07	3.02E-07	1.09E-08	2.62E-07	1.84E-07	1.60E-07	4.76E-08	6.65E-07
494611.06, 3858451.99	0.00462	0.000936	3.24E-07	9.78E-07	7.73E-07	6.69E-07	3.01E-07	1.08E-08	2.61E-07	1.84E-07	1.59E-07	4.74E-08	6.62E-07
494661.06, 3858451.99	0.00459	0.00093	3.22E-07	9.72E-07	7.68E-07	6.64E-07	2.99E-07	1.07E-08	2.60E-07	1.82E-07	1.58E-07	4.71E-08	6.58E-07
494711.06, 3858451.99	0.00457	0.000926	3.20E-07	9.68E-07	7.64E-07	6.61E-07	2.97E-07	1.07E-08	2.58E-07	1.82E-07	1.57E-07	4.69E-08	6.55E-07
494761.06, 3858451.99	0.00455	0.000922	3.19E-07	9.63E-07	7.61E-07	6.58E-07	2.96E-07	1.07E-08	2.57E-07	1.81E-07	1.56E-07	4.67E-08	6.52E-07
494811.06, 3858451.99	0.00454	0.00092	3.18E-07	9.61E-07	7.59E-07	6.57E-07	2.95E-07	1.06E-08	2.57E-07	1.80E-07	1.56E-07	4.66E-08	6.50E-07
494861.06, 3858451.99	0.00453	0.000918	3.18E-07	9.59E-07	7.58E-07	6.55E-07	2.95E-07	1.06E-08	2.56E-07	1.80E-07	1.56E-07	4.65E-08	6.49E-07
494911.06, 3858451.99	0.0045	0.000911	3.16E-07	9.53E-07	7.53E-07	6.51E-07	2.93E-07	1.05E-08	2.55E-07	1.79E-07	1.55E-07	4.62E-08	6.45E-07
494961.06, 3858451.99	0.0045	0.000911	3.16E-07	9.53E-07	7.53E-07	6.51E-07	2.93E-07	1.05E-08	2.55E-07	1.79E-07	1.55E-07	4.62E-08	6.45E-07
495011.06, 3858451.99	0.00449	0.000909	3.15E-07	9.51E-07	7.51E-07	6.50E-07	2.92E-07	1.05E-08	2.54E-07	1.78E-07	1.54E-07	4.61E-08	6.43E-07
495061.06, 3858451.99	0.00449	0.000909	3.15E-07	9.51E-07	7.51E-07	6.50E-07	2.92E-07	1.05E-08	2.54E-07	1.78E-07	1.54E-07	4.61E-08	6.43E-07
495111.06, 3858451.99	0.00445	0.000901	3.12E-07	9.42E-07	7.44E-07	6.44E-07	2.90E-07	1.04E-08	2.52E-07	1.77E-07	1.53E-07	4.57E-08	6.38E-07
495161.06, 3858451.99	0.00443	0.000897	3.11E-07	9.38E-07	7.41E-07	6.41E-07	2.88E-07	1.04E-08	2.51E-07	1.76E-07	1.52E-07	4.55E-08	6.35E-07
495211.06, 3858451.99	0.0044	0.000891	3.09E-07	9.32E-07	7.36E-07	6.37E-07	2.86E-07	1.03E-08	2.49E-07	1.75E-07	1.51E-07	4.52E-08	6.30E-07
495261.06, 3858451.99	0.00438	0.000887	3.07E-07	9.27E-07	7.32E-07	6.34E-07	2.85E-07	1.03E-08	2.48E-07	1.74E-07	1.51E-07	4.50E-08	6.28E-07
495311.06, 3858451.99	0.00438	0.000887	3.07E-07	9.27E-07	7.32E-07	6.34E-07	2.85E-07	1.03E-08	2.48E-07	1.74E-07	1.51E-07	4.50E-08	6.28E-07
495361.06, 3858451.99	0.00438	0.000887	3.07E-07	9.27E-07	7.32E-07	6.34E-07	2.85E-07	1.03E-08	2.48E-07	1.74E-07	1.51E-07	4.50E-08	6.28E-07
495411.06, 3858451.99	0.00439	0.000889	3.08E-07	9.29E-07	7.34E-07	6.35E-07	2.86E-07	1.03E-08	2.48E-07	1.74E-07	1.51E-07	4.51E-08	6.29E-07
495461.06, 3858451.99	0.0044	0.000891	3.09E-07	9.32E-07	7.36E-07	6.37E-07	2.86E-07	1.03E-08	2.49E-07	1.75E-07	1.51E-07	4.52E-08	6.30E-07
495511.06, 3858451.99	0.00439	0.000889	3.08E-07	9.29E-07	7.34E-07	6.35E-07	2.86E-07	1.03E-08	2.48E-07	1.74E-07	1.51E-07	4.51E-08	6.29E-07
495561.06, 3858451.99	0.00441	0.000893	3.09E-07	9.34E-07	7.37E-07	6.38E-07	2.87E-07	1.03E-08	2.49E-07	1.75E-07	1.52E-07	4.53E-08	6.32E-07
495611.06, 3858451.99	0.00441	0.000893	3.09E-07	9.34E-07	7.37E-07	6.38E-07	2.87E-07	1.03E-08	2.49E-07	1.75E-07	1.52E-07	4.53E-08	6.32E-07
495661.06, 3858451.99	0.00443	0.000897	3.11E-07	9.38E-07	7.41E-07	6.41E-07	2.88E-07	1.04E-08	2.51E-07	1.76E-07	1.52E-07	4.55E-08	6.35E-07
494311.06, 3858501.99	0.00487	0.000986	3.41E-07	1.03E-06	8.14E-07	7.05E-07	3.17E-07	1.14E-08	2.75E-07	1.94E-07	1.67E-07	5.00E-08	6.98E-07
494361.06, 3858501.99	0.00487	0.000986	3.41E-07	1.03E-06	8.14E-07	7.05E-07	3.17E-07	1.14E-08	2.75E-07	1.94E-07	1.67E-07	5.00E-08	6.98E-07
494411.06, 3858501.99	0.00486	0.000984	3.41E-07	1.03E-06	8.13E-07	7.03E-07	3.16E-07	1.14E-08	2.75E-07	1.93E-07	1.67E-07	4.99E-08	6.96E-07
494461.06, 3858501.99	0.00486	0.000984	3.41E-07	1.03E-06	8.13E-07	7.03E-07	3.16E-07	1.14E-08	2.75E-07	1.93E-07	1.67E-07	4.99E-08	6.96E-07
494511.06, 3858501.99	0.00484	0.00098	3.39E-07	1.02E-06	8.09E-07	7.00E-07	3.15E-07	1.13E-08	2.74E-07	1.92E-07	1.66E-07	4.97E-08	6.93E-07
494561.06, 3858501.99	0.00484	0.00098	3.39E-07	1.02E-06	8.09E-07	7.00E-07	3.15E-07	1.13E-08	2.74E-07	1.92E-07	1.66E-07	4.97E-08	6.93E-07
494611.06, 3858501.99	0.00482	0.000976	3.38E-07	1.02E-06	8.06E-07	6.97E-07	3.14E-07	1.13E-08	2.73E-07	1.92E-07	1.66E-07	4.95E-08	6.91E-07
494661.06, 3858501.99	0.0048	0.000972	3.37E-07	1.02E-06	8.03E-07	6.95E-07	3.12E-07	1.12E-08	2.71E-07	1.91E-07	1.65E-07	4.93E-08	6.88E-07
494711.06, 3858501.99	0.00478	0.000968	3.35E-07	1.01E-06	7.99E-07	6.92E-07	3.11E-07	1.12E-08	2.70E-07	1.90E-07	1.64E-07	4.91E-08	6.85E-07
494761.06, 3858501.99	0.00476	0.000964	3.34E-07	1.01E-06	7.96E-07	6.89E-07	3.10E-07	1.11E-08	2.69E-07	1.89E-07	1.64E-07	4.89E-08	6.82E-07
494811.06, 3858501.99	0.00473	0.000958	3.32E-07	1.00E-06	7.91E-07	6.84E-07	3.08E-07	1.11E-08	2.68E-07	1.88E-07	1.63E-07	4.85E-08	6.78E-07
494861.06, 3858501.99	0.00473	0.000958	3.32E-07	1.00E-06	7.91E-07	6.84E-07	3.08E-07	1.11E-08	2.68E-07	1.88E-07	1.63E-07	4.85E-08	6.78E-07
494911.06, 3858501.99	0.00471	0.000954	3.30E-07	9.97E-07	7.88E-07	6.82E-07	3.06E-07	1.10E-08	2.66E-07	1.87E-07	1.62E-07	4.83E-08	6.75E-07
494961.06, 3858501.99	0.0047	0.000952	3.30E-07	9.95E-07	7.86E-07	6.80E-07	3.06E-07	1.10E-08	2.66E-07	1.87E-07	1.62E-07	4.82E-08	6.73E-07
495011.06, 3858501.99	0.00468	0.000948	3.28E-07	9.91E-07	7.83E-07	6.77E-07	3.05E-07	1.10E-08	2.65E-07	1.86E-07	1.61E-07	4.80E-08	6.71E-07
495061.06, 3858501.99	0.00468	0.000948	3.28E-07	9.91E-07	7.83E-07	6.77E-07	3.05E-07	1.10E-08	2.65E-07	1.86E-07	1.61E-07	4.80E-08	6.71E-07
495111.06, 3858501.99	0.00464	0.00094	3.25E-07	9.82E-07	7.76E-07	6.71E-07	3.02E-07	1.09E-08	2.62E-07	1.84E-07	1.60E-07	4.76E-08	6.65E-07
495161.06, 3858501.99	0.0046	0.000932	3.23E-07	9.74E-07	7.69E-07	6.66E-07	2.99E-07	1.08E-08	2.60E-07	1.83E-07	1.58E-07	4.72E-08	6.59E-07
495211.06, 3858501.99	0.00458	0.000928	3.21E-07	9.70E-07	7.66E-07	6.63E-07	2.98E-07	1.07E-08	2.59E-07	1.82E-07	1.57E-07	4.70E-08	6.56E-07
495261.06, 3858501.99	0.00456	0.000924	3.20E-07	9.65E-07	7.63E-07	6.60E-07	2.97E-07	1.07E-08	2.58E-07	1.81E-07	1.57E-07	4.68E-08	6.53E-07

495311.06, 3858501.99	0.00456	0.000924	3.20E-07	9.65E-07	7.63E-07	6.60E-07	2.97E-07	1.07E-08	2.58E-07	1.81E-07	1.57E-07	4.68E-08	6.53E-07
495361.06, 3858501.99	0.00457	0.000926	3.20E-07	9.68E-07	7.64E-07	6.61E-07	2.97E-07	1.07E-08	2.58E-07	1.82E-07	1.57E-07	4.69E-08	6.55E-07
495411.06, 3858501.99	0.00458	0.000928	3.21E-07	9.70E-07	7.66E-07	6.63E-07	2.98E-07	1.07E-08	2.59E-07	1.82E-07	1.57E-07	4.70E-08	6.56E-07
495461.06, 3858501.99	0.00459	0.00093	3.22E-07	9.72E-07	7.68E-07	6.64E-07	2.99E-07	1.07E-08	2.60E-07	1.82E-07	1.58E-07	4.71E-08	6.58E-07
495511.06, 3858501.99	0.00459	0.00093	3.22E-07	9.72E-07	7.68E-07	6.64E-07	2.99E-07	1.07E-08	2.60E-07	1.82E-07	1.58E-07	4.71E-08	6.58E-07
495561.06, 3858501.99	0.00461	0.000934	3.23E-07	9.76E-07	7.71E-07	6.67E-07	3.00E-07	1.08E-08	2.61E-07	1.83E-07	1.58E-07	4.73E-08	6.61E-07
495611.06, 3858501.99	0.00457	0.000926	3.20E-07	9.68E-07	7.64E-07	6.61E-07	2.97E-07	1.07E-08	2.58E-07	1.82E-07	1.57E-07	4.69E-08	6.55E-07
495661.06, 3858501.99	0.00463	0.000938	3.25E-07	9.80E-07	7.74E-07	6.70E-07	3.01E-07	1.08E-08	2.62E-07	1.84E-07	1.59E-07	4.75E-08	6.63E-07
494311.06, 3858551.99	0.00495	0.001003	3.47E-07	1.05E-06	8.28E-07	7.16E-07	3.22E-07	1.16E-08	2.80E-07	1.97E-07	1.70E-07	5.08E-08	7.09E-07
494361.06, 3858551.99	0.00497	0.001007	3.48E-07	1.05E-06	8.31E-07	7.19E-07	3.23E-07	1.16E-08	2.81E-07	1.97E-07	1.71E-07	5.10E-08	7.12E-07
494411.06, 3858551.99	0.00506	0.001025	3.55E-07	1.07E-06	8.46E-07	7.32E-07	3.29E-07	1.18E-08	2.86E-07	2.01E-07	1.74E-07	5.19E-08	7.25E-07
494461.06, 3858551.99	0.00507	0.001027	3.55E-07	1.07E-06	8.48E-07	7.34E-07	3.30E-07	1.19E-08	2.87E-07	2.01E-07	1.74E-07	5.20E-08	7.26E-07
494511.06, 3858551.99	0.00506	0.001025	3.55E-07	1.07E-06	8.46E-07	7.32E-07	3.29E-07	1.18E-08	2.86E-07	2.01E-07	1.74E-07	5.19E-08	7.25E-07
494561.06, 3858551.99	0.00505	0.001023	3.54E-07	1.07E-06	8.45E-07	7.31E-07	3.29E-07	1.18E-08	2.86E-07	2.01E-07	1.74E-07	5.18E-08	7.24E-07
494611.06, 3858551.99	0.00503	0.001019	3.53E-07	1.06E-06	8.41E-07	7.28E-07	3.27E-07	1.18E-08	2.84E-07	2.00E-07	1.73E-07	5.16E-08	7.21E-07
494661.06, 3858551.99	0.00502	0.001017	3.52E-07	1.06E-06	8.40E-07	7.26E-07	3.27E-07	1.18E-08	2.84E-07	1.99E-07	1.73E-07	5.15E-08	7.19E-07
494711.06, 3858551.99	0.00499	0.001011	3.50E-07	1.06E-06	8.34E-07	7.22E-07	3.25E-07	1.17E-08	2.82E-07	1.98E-07	1.72E-07	5.12E-08	7.15E-07
494761.06, 3858551.99	0.00497	0.001007	3.48E-07	1.05E-06	8.31E-07	7.19E-07	3.23E-07	1.16E-08	2.81E-07	1.97E-07	1.71E-07	5.10E-08	7.12E-07
494811.06, 3858551.99	0.00497	0.001007	3.48E-07	1.05E-06	8.31E-07	7.19E-07	3.23E-07	1.16E-08	2.81E-07	1.97E-07	1.71E-07	5.10E-08	7.12E-07
494861.06, 3858551.99	0.00496	0.001005	3.48E-07	1.05E-06	8.29E-07	7.18E-07	3.23E-07	1.16E-08	2.81E-07	1.97E-07	1.71E-07	5.09E-08	7.11E-07
494911.06, 3858551.99	0.00494	0.001001	3.46E-07	1.05E-06	8.26E-07	7.15E-07	3.21E-07	1.16E-08	2.79E-07	1.96E-07	1.70E-07	5.07E-08	7.08E-07
494961.06, 3858551.99	0.00492	0.000997	3.45E-07	1.04E-06	8.23E-07	7.12E-07	3.20E-07	1.15E-08	2.78E-07	1.95E-07	1.69E-07	5.05E-08	7.05E-07
495011.06, 3858551.99	0.00489	0.00099	3.43E-07	1.04E-06	8.18E-07	7.08E-07	3.18E-07	1.14E-08	2.77E-07	1.94E-07	1.68E-07	5.02E-08	7.01E-07
495061.06, 3858551.99	0.00487	0.000986	3.41E-07	1.03E-06	8.14E-07	7.05E-07	3.17E-07	1.14E-08	2.75E-07	1.94E-07	1.67E-07	5.00E-08	6.98E-07
495111.06, 3858551.99	0.00483	0.000978	3.39E-07	1.02E-06	8.08E-07	6.99E-07	3.14E-07	1.13E-08	2.73E-07	1.92E-07	1.66E-07	4.96E-08	6.92E-07
495161.06, 3858551.99	0.0048	0.000972	3.37E-07	1.02E-06	8.03E-07	6.95E-07	3.12E-07	1.12E-08	2.71E-07	1.91E-07	1.65E-07	4.93E-08	6.88E-07
495211.06, 3858551.99	0.00478	0.000968	3.35E-07	1.01E-06	7.99E-07	6.92E-07	3.11E-07	1.12E-08	2.70E-07	1.90E-07	1.64E-07	4.91E-08	6.85E-07
495261.06, 3858551.99	0.00477	0.000966	3.34E-07	1.01E-06	7.98E-07	6.90E-07	3.10E-07	1.12E-08	2.70E-07	1.90E-07	1.64E-07	4.90E-08	6.83E-07
495311.06, 3858551.99	0.00477	0.000966	3.34E-07	1.01E-06	7.98E-07	6.90E-07	3.10E-07	1.12E-08	2.70E-07	1.90E-07	1.64E-07	4.90E-08	6.83E-07
495361.06, 3858551.99	0.00477	0.000966	3.34E-07	1.01E-06	7.98E-07	6.90E-07	3.10E-07	1.12E-08	2.70E-07	1.90E-07	1.64E-07	4.90E-08	6.83E-07
495411.06, 3858551.99	0.00479	0.00097	3.36E-07	1.01E-06	8.01E-07	6.93E-07	3.12E-07	1.12E-08	2.71E-07	1.90E-07	1.65E-07	4.92E-08	6.86E-07
495461.06, 3858551.99	0.00479	0.00097	3.36E-07	1.01E-06	8.01E-07	6.93E-07	3.12E-07	1.12E-08	2.71E-07	1.90E-07	1.65E-07	4.92E-08	6.86E-07
495511.06, 3858551.99	0.00481	0.000974	3.37E-07	1.02E-06	8.04E-07	6.96E-07	3.13E-07	1.13E-08	2.72E-07	1.91E-07	1.65E-07	4.94E-08	6.89E-07
495561.06, 3858551.99	0.00481	0.000974	3.37E-07	1.02E-06	8.04E-07	6.96E-07	3.13E-07	1.13E-08	2.72E-07	1.91E-07	1.65E-07	4.94E-08	6.89E-07
495611.06, 3858551.99	0.00482	0.000976	3.38E-07	1.02E-06	8.06E-07	6.97E-07	3.14E-07	1.13E-08	2.73E-07	1.92E-07	1.66E-07	4.95E-08	6.91E-07
495661.06, 3858551.99	0.00483	0.000978	3.39E-07	1.02E-06	8.08E-07	6.99E-07	3.14E-07	1.13E-08	2.73E-07	1.92E-07	1.66E-07	4.96E-08	6.92E-07
494311.06, 3858601.99	0.00505	0.001023	3.54E-07	1.07E-06	8.45E-07	7.31E-07	3.29E-07	1.18E-08	2.86E-07	2.01E-07	1.74E-07	5.18E-08	7.24E-07
494361.06, 3858601.99	0.00513	0.001039	3.60E-07	1.09E-06	8.58E-07	7.42E-07	3.34E-07	1.20E-08	2.90E-07	2.04E-07	1.76E-07	5.26E-08	7.35E-07
494411.06, 3858601.99	0.00529	0.001072	3.71E-07	1.12E-06	8.85E-07	7.65E-07	3.44E-07	1.24E-08	2.99E-07	2.10E-07	1.82E-07	5.43E-08	7.58E-07
494461.06, 3858601.99	0.0053	0.001074	3.72E-07	1.12E-06	8.86E-07	7.67E-07	3.45E-07	1.24E-08	3.00E-07	2.11E-07	1.82E-07	5.44E-08	7.59E-07
494511.06, 3858601.99	0.00525	0.001063	3.68E-07	1.11E-06	8.78E-07	7.60E-07	3.42E-07	1.23E-08	2.97E-07	2.09E-07	1.80E-07	5.39E-08	7.52E-07
494561.06, 3858601.99	0.00529	0.001072	3.71E-07	1.12E-06	8.85E-07	7.65E-07	3.44E-07	1.24E-08	2.99E-07	2.10E-07	1.82E-07	5.43E-08	7.58E-07
494611.06, 3858601.99	0.00526	0.001065	3.69E-07	1.11E-06	8.80E-07	7.61E-07	3.42E-07	1.23E-08	2.97E-07	2.09E-07	1.81E-07	5.40E-08	7.54E-07
494661.06, 3858601.99	0.00525	0.001063	3.68E-07	1.11E-06	8.78E-07	7.60E-07	3.42E-07	1.23E-08	2.97E-07	2.09E-07	1.80E-07	5.39E-08	7.52E-07
494711.06, 3858601.99	0.00523	0.001059	3.67E-07	1.11E-06	8.75E-07	7.57E-07	3.40E-07	1.22E-08	2.96E-07	2.08E-07	1.80E-07	5.37E-08	7.49E-07
494761.06, 3858601.99	0.00521	0.001055	3.65E-07	1.10E-06	8.71E-07	7.54E-07	3.39E-07	1.22E-08	2.95E-07	2.07E-07	1.79E-07	5.35E-08	7.46E-07
494811.06, 3858601.99	0.00518	0.001049	3.63E-07	1.10E-06	8.66E-07	7.50E-07	3.37E-07	1.21E-08	2.93E-07	2.06E-07	1.78E-07	5.32E-08	7.42E-07
494861.06, 3858601.99	0.00518	0.001049	3.63E-07	1.10E-06	8.66E-07	7.50E-07	3.37E-07	1.21E-08	2.93E-07	2.06E-07	1.78E-07	5.32E-08	7.42E-07
494911.06, 3858601.99	0.00516	0.001045	3.62E-07	1.09E-06	8.63E-07	7.47E-07	3.36E-07	1.21E-08	2.92E-07	2.05E-07	1.77E-07	5.30E-08	7.39E-07
494961.06, 3858601.99	0.00515	0.001043	3.61E-07	1.09E-06	8.61E-07	7.45E-07	3.35E-07	1.21E-08	2.91E-07	2.05E-07	1.77E-07	5.29E-08	7.38E-07
495011.06, 3858601.99	0.00513	0.001039	3.60E-07	1.09E-06	8.58E-07	7.42E-07	3.34E-07	1.20E-08	2.90E-07	2.04E-07	1.76E-07	5.26E-08	7.35E-07
495061.06, 3858601.99	0.00508	0.001029	3.56E-07	1.08E-06	8.50E-07	7.35E-07	3.31E-07	1.19E-08	2.87E-07	2.02E-07	1.75E-07	5.21E-08	7.28E-07
495111.06, 3858601.99	0.00503	0.001019	3.53E-07	1.06E-06	8.41E-07	7.28E-07	3.27E-07	1.18E-08	2.84E-07	2.00E-07	1.73E-07	5.16E-08	7.21E-07
495161.06, 3858601.99	0.005	0.001013	3.51E-07	1.06E-06	8.36E-07	7.24E-07	3.25E-07	1.17E-08	2.83E-07	1.99E-07	1.72E-07	5.13E-08	7.16E-07
495211.06, 3858601.99	0.00499	0.001011	3.50E-07	1.06E-06	8.34E-07	7.22E-07	3.25E-07	1.17E-08	2.82E-07	1.98E-07	1.72E-07	5.12E-08	7.15E-07
495261.06, 3858601.99	0.00498	0.001009	3.49E-07	1.05E-06	8.33E-07	7.21E-07	3.24E-07	1.17E-08	2.82E-07	1.98E-07	1.71E-07	5.11E-08	7.14E-07
495311.06, 3858601.99	0.00498	0.001009	3.49E-07	1.05E-06	8.33E-07	7.21E-07	3.24E-07	1.17E-08	2.82E-07	1.98E-07	1.71E-07	5.11E-08	7.14E-07
495361.06, 3858601.99	0.00499	0.001011	3.50E-07	1.06E-06	8.34E-07	7.22E-07	3.25E-07	1.17E-08	2.82E-07	1.98E-07	1.72E-07	5.12E-08	7.15E-07
495411.06, 3858601.99	0.005	0.001013	3.51E-07	1.06E-06	8.36E-07	7.24E-07	3.25E-07	1.17E-08	2.83E-07	1.99E-07	1.72E-07	5.13E-08	7.16E-07
495461.06, 3858601.99	0.00501	0.001015	3.51E-07	1.06E-06	8.38E-07	7.25E-07	3.26E-07	1.17E-08	2.83E-07	1.99E-07	1.72E-07	5.14E-08	7.18E-07
495511.06, 3858601.99	0.00502	0.001017	3.52E-07	1.06E-06	8.40E-07	7.26E-07	3.27E-07	1.18E-08	2.84E-07	1.99E-07	1.73E-07	5.15E-08	7.19E-07
495561.06, 3858601.99	0.00503	0.001019	3.53E-07	1.06E-06	8.41E-07	7.28E-07	3.27E-07	1.18E-08	2.84E-07	2.00E-07	1.73E-07	5.16E-08	7.21E-07
495611.06, 3858601.99	0.00503	0.001019	3.53E-07	1.06E-06	8.41E-07	7.28E-07	3.27E-07	1.18E-08	2.84E-07	2.00E-07	1.73E-07	5.16E-08	7.21E-07
495661.06, 3858601.99	0.00505	0.001023	3.54E-07	1.07E-06	8.45E-07	7.31E-07	3.29E-07	1.18E-08	2.86E-07	2.01E-07	1.74E-07	5.18E-08	7.24E-07
494311.06, 3858651.99	0.0052	0.001053	3.65E-07	1.10E-06	8.70E-07	7.52E-07	3.38E-07	1.22E-08	2.94E-07	2.07E-07	1.79E-07	5.34E-08	7.45E-07
494361.06, 3858651.99	0.00528	0.001069	3.70E-07	1.12E-06	8.83E-07	7.64E-07	3.44E-07	1.24E-08	2.99E-07	2.10E-07	1.82E-07	5.42E-08	7.57E-07
494411.06, 3858651.99	0.00543	0.0011	3.81E-07	1.15E-06	9.08E-07	7.86E-07	3.53E-07	1.27E-08	3.07E-07	2.16E-07	1.87E-07	5.57E-08	7.78E-07
494461.06, 3858651.99	0.00553	0.00112	3.88E-07	1.17E-06	9.25E-07	8.00E-07	3.60E-07	1.29E-08	3.13E-07	2.20E-07	1.90E-07	5.68E-08	7.92E-07
494511.06, 3858651.99	0.00552	0.001118	3.87E-07	1.17E-06	9.23E-07	7.99E-07	3.59E-07	1.29E-08	3.12E-07	2.19E-07	1.90E-07	5.67E-08	7.91E-07
494561.06, 3858651.99	0.00552	0.001118	3.87E-07	1.17E-06	9.23E-07	7.99E-07	3.59E-07	1.29E-08	3.12E-07	2.19E-07	1.90E-07	5.67E-08	7.91E-07
494611.06, 3858651.99	0.00551	0.001116	3.86E-07	1.17E-06	9.21E-07	7.97E-07	3.59E-07	1.29E-08	3.12E-07	2.19E-07	1.89E-07	5.65E-08	7.89E-07
494661.06, 3858651.99	0.00549	0.001112	3.85E-07	1.16E-06	9.18E-07	7.94E-07	3.57E-07	1.29E-08	3.10E-07	2.18E-07	1.89E-07	5.63E-08	7.87E-07
494711.06, 3858651.99	0.00547	0.001108	3.84E-07	1.16E-06	9.15E-07	7.92E-07	3.56E-07	1.28E-08	3.09E-07	2.17E-07	1.88E-07	5.61E-08	7.84E-07
494761.06, 3858651.99	0.00546	0.001106	3.83E-07	1.16E-06	9.13E-07	7.90E-07	3.55E-07	1.28E-08	3.09E-07	2.17E-07	1.88E-07	5.60E-08	7.82E-07
494811.06, 3858651.99	0.00544	0.001102	3.81E-07	1.15E-06	9.10E-07	7.87E-07	3.54E-07	1.27E-08	3.08E-07	2.16E-07	1.87E-07	5.58E-08	7.79E-07
494861.06, 3858651.99	0.00542	0.001098	3.80E-07	1.15E-06	9.06E-07	7.84E-07	3.53E-07	1.27E-08	3.07E-07	2.15E-07	1.86E-07	5.56E-08	7.77E-07
494911.06, 3858651.99	0.0054	0.001094	3.79E-07	1.14E-06	9.03E-07	7.81E-07	3.51E-07	1.26E-08	3.05E-07	2.15E-07	1.86E-07	5.54E-08	7.74E-07
494961.06, 3858651.99	0.00538	0.00109	3.77E-07	1.14E-06	9.00E-07	7.78E-07	3.50E-07	1.26E-08	3.04E-07	2.14E-07	1.85E-07	5.52E-08	7.71E-07
495011.06, 3858651.99	0.00536	0.001086	3.76E-07	1.13E-06	8.96E-07	7.76E-07	3.49E-07	1.25E-08	3.03E-07	2.13E-07	1.84E-07	5.50E-08	7.68E-07
495061.06, 3858651.99	0.00532	0.001078	3.73E-07	1.13E-06	8.90E-07	7.70E-07	3.46E-07	1.25E-08	3.01E-07	2.11E-07	1.83E-07	5.46E-08	7.62E-07
495111.06, 3858651.99	0.00526	0.001065	3.69E-07	1.11E-06	8.80E-07	7.61E-07	3.42E-07	1.23E-08	2.97E-07	2.09E-07	1.81E-07	5.40E-08	7.54E-07
495161.06, 3858651.99	0.00524	0.001061	3.67E-07	1.11E-06	8.76E-07	7.58E-07	3.41E-07	1.23E-08	2.96E-07	2.08E-07	1.80E-07	5.38E-08	7.51E-07
495211.06, 3858651.99	0.00521	0.001055	3.65E-07	1.10E-06	8.71E-07	7.54E-07	3.39E-07	1.22E-08	2.95E-07	2.07E-07	1.79E-07	5.35E-08	7.46E-07
495261.06, 3858651.99	0.00521	0.001055	3.65E-07	1.10E-06	8.71E-07	7.54E-07	3.39E-07	1.22E-08	2.95E-07	2.07E-07	1.79E-07	5.35E-08	7.46E-07
495311.06, 3858651.99	0.00521	0.001055	3.65E-07	1.10E-06	8.71E-07	7.54E-07	3.39E-07	1.22E-08	2.95E-07	2.07E-07	1.79E-07	5.35E-08	7.46E-07
495361.06, 3858651.99	0.00522	0.001057	3.66E-07	1.11E-06	8.73E-07	7.55E-07	3.40E-07	1.22E-08	2.95E-07	2.07E-07	1.79E-07	5.36E-08	7.48E-07
495411.06, 3858651.99	0.00524	0.001061	3.67E-07	1.11E-06	8.76E-07	7.58E-07	3.41E-07	1.23E-08	2.96E-07	2.08E-07	1.80E-07	5.38E-08	7.51E-07
495461.06, 3858651.99	0.00526	0.001065	3.69E-07	1.11E-06	8.80E-07	7.61E-07	3.42E-07	1.23E-08	2.97E-07	2.09E-07	1.81E-07	5.40E-08	7.54E-07
495511.06, 3858651.99	0.00526	0.001065	3.69E-07	1.11E-06	8.80E-07	7.61E-07	3.42E-07	1.23E-08	2.97E-07	2.09E-07	1.81E-07	5.40E-08	7.54E-07
495561.06, 3858651.99	0.00526	0.001065	3.69E-07	1.11E-06	8.80E-07	7.61E-07	3.42E-07	1.23E-08	2.97E-07	2.09E-07	1.81E-07	5.40E-08	7.54E-07
495611.06, 3858651.99	0.00526	0.001065	3.69E-07	1.11E-06	8.80E-07	7.61E-07	3.42E-07	1.23E-08	2.97E-07	2.09E-07	1.81E-07	5.40E-08	7.54E-07
495661.06, 3858651.99	0.00528	0.001069	3.70E-07	1.12E-06	8.83E-07	7.64E-07	3.44E-07	1.24E-08	2.99E-07	2.10E-07	1.82E-07	5.42E-08	7.57E-07
494311.06, 3858701.99	0.00541	0.001096	3.79E-07	1.15E-06	9.05E-07	7.83E-07	3.52E-07	1.27E-08	3.06E-07	2.15E-07	1.86E-07	5.55E-08	7.75E-07
494361.06, 3858701.99	0.00554	0.001122	3.88E-07	1.17E-06	9.26E-07	8.02E-07	3.60E-07	1.30E-08	3.13E-07	2.20E-07	1.90E-07	5.69E-08	7.94E-07
494411.06, 3858701.99	0.00566	0.001146	3.97E-07	1.20E-06	9.47E-07	8.19E-07	3.68E-07	1.33E-08	3.20E-07	2.25E-07	1.95E-07	5.81E-08	8.11E-07
494461.06, 3858701.99	0.00568	0.001151	3.98E-07	1.20E-06	9.50E-07	8.22E-07	3.70E-07	1.33E-08	3.21E-07	2.26E-07	1.95E-07	5.83E-08	8.14E-07
494511.06, 3858701.99	0.00577	0.001169	4.05E-07	1.22E-06	9.65E-07	8.35E-07	3.75E-07	1.35E-08	3.26E-07	2.29E-07	1.98E-07	5.92E-08	8.27E-07
494561.06, 3858701.99	0.00577	0.001169	4.05E-07	1.22E-06	9.65E-07	8.35E-07	3.75E-07	1.35E-08	3.26E-07	2.29E-07	1.98E-07	5.92E-08	8.27E-07
494611.06, 3858701.99	0.00573	0.001161	4.02E-07	1.21E-06	9.58E-07	8.29E-07	3.73E-07	1.34E-08	3.24E-07	2.28E-07	1.97E-07	5.88E-08	8.21E-07

494661.06, 3858701.99	0.00574	0.001163	4.02E-07	1.22E-06	9.60E-07	8.31E-07	3.73E-07	1.34E-08	3.25E-07	2.28E-07	1.97E-07	5.89E-08	8.22E-07
494711.06, 3858701.99	0.00565	0.001144	3.96E-07	1.20E-06	9.45E-07	8.18E-07	3.68E-07	1.32E-08	3.20E-07	2.24E-07	1.94E-07	5.80E-08	8.10E-07
494761.06, 3858701.99	0.0057	0.001155	4.00E-07	1.21E-06	9.53E-07	8.25E-07	3.71E-07	1.33E-08	3.22E-07	2.26E-07	1.96E-07	5.85E-08	8.17E-07
494811.06, 3858701.99	0.00568	0.001151	3.98E-07	1.20E-06	9.50E-07	8.22E-07	3.70E-07	1.33E-08	3.21E-07	2.26E-07	1.95E-07	5.83E-08	8.14E-07
494861.06, 3858701.99	0.00567	0.001148	3.98E-07	1.20E-06	9.48E-07	8.20E-07	3.69E-07	1.33E-08	3.21E-07	2.25E-07	1.95E-07	5.82E-08	8.12E-07
494911.06, 3858701.99	0.00566	0.001146	3.97E-07	1.20E-06	9.47E-07	8.19E-07	3.68E-07	1.33E-08	3.20E-07	2.25E-07	1.95E-07	5.81E-08	8.11E-07
494961.06, 3858701.99	0.00561	0.001136	3.93E-07	1.19E-06	9.38E-07	8.12E-07	3.65E-07	1.31E-08	3.17E-07	2.23E-07	1.93E-07	5.76E-08	8.04E-07
495011.06, 3858701.99	0.00558	0.00113	3.91E-07	1.18E-06	9.33E-07	8.07E-07	3.63E-07	1.31E-08	3.16E-07	2.22E-07	1.92E-07	5.73E-08	7.99E-07
495061.06, 3858701.99	0.00556	0.001126	3.90E-07	1.18E-06	9.30E-07	8.05E-07	3.62E-07	1.30E-08	3.14E-07	2.21E-07	1.91E-07	5.71E-08	7.97E-07
495111.06, 3858701.99	0.00552	0.001118	3.87E-07	1.17E-06	9.23E-07	7.99E-07	3.59E-07	1.29E-08	3.12E-07	2.19E-07	1.90E-07	5.67E-08	7.91E-07
495161.06, 3858701.99	0.00549	0.001112	3.85E-07	1.16E-06	9.18E-07	7.94E-07	3.57E-07	1.29E-08	3.10E-07	2.18E-07	1.89E-07	5.63E-08	7.87E-07
495211.06, 3858701.99	0.00547	0.001108	3.84E-07	1.16E-06	9.15E-07	7.92E-07	3.56E-07	1.28E-08	3.09E-07	2.17E-07	1.88E-07	5.61E-08	7.84E-07
495261.06, 3858701.99	0.00547	0.001108	3.84E-07	1.16E-06	9.15E-07	7.92E-07	3.56E-07	1.28E-08	3.09E-07	2.17E-07	1.88E-07	5.61E-08	7.84E-07
495311.06, 3858701.99	0.00548	0.00111	3.84E-07	1.16E-06	9.16E-07	7.93E-07	3.57E-07	1.28E-08	3.10E-07	2.18E-07	1.88E-07	5.62E-08	7.85E-07
495361.06, 3858701.99	0.00549	0.001112	3.85E-07	1.16E-06	9.18E-07	7.94E-07	3.57E-07	1.29E-08	3.10E-07	2.18E-07	1.89E-07	5.63E-08	7.87E-07
495411.06, 3858701.99	0.00551	0.001116	3.86E-07	1.17E-06	9.21E-07	7.97E-07	3.59E-07	1.29E-08	3.12E-07	2.19E-07	1.89E-07	5.65E-08	7.89E-07
495461.06, 3858701.99	0.00552	0.001118	3.87E-07	1.17E-06	9.23E-07	7.99E-07	3.59E-07	1.29E-08	3.12E-07	2.19E-07	1.90E-07	5.67E-08	7.91E-07
495511.06, 3858701.99	0.00551	0.001116	3.86E-07	1.17E-06	9.21E-07	7.97E-07	3.59E-07	1.29E-08	3.12E-07	2.19E-07	1.89E-07	5.65E-08	7.89E-07
495561.06, 3858701.99	0.00551	0.001116	3.86E-07	1.17E-06	9.21E-07	7.97E-07	3.59E-07	1.29E-08	3.12E-07	2.19E-07	1.89E-07	5.65E-08	7.89E-07
495611.06, 3858701.99	0.00552	0.001118	3.87E-07	1.17E-06	9.23E-07	7.99E-07	3.59E-07	1.29E-08	3.12E-07	2.19E-07	1.90E-07	5.67E-08	7.91E-07
495661.06, 3858701.99	0.00553	0.00112	3.88E-07	1.17E-06	9.25E-07	8.00E-07	3.60E-07	1.29E-08	3.13E-07	2.20E-07	1.90E-07	5.68E-08	7.92E-07
494311.06, 3858751.99	0.00562	0.001138	3.94E-07	1.19E-06	9.40E-07	8.13E-07	3.66E-07	1.32E-08	3.18E-07	2.23E-07	1.93E-07	5.77E-08	8.05E-07
494361.06, 3858751.99	0.0058	0.001175	4.07E-07	1.23E-06	9.70E-07	8.39E-07	3.77E-07	1.36E-08	3.28E-07	2.30E-07	1.99E-07	5.95E-08	8.31E-07
494411.06, 3858751.99	0.00591	0.001197	4.14E-07	1.25E-06	9.88E-07	8.55E-07	3.85E-07	1.38E-08	3.34E-07	2.35E-07	2.03E-07	6.07E-08	8.47E-07
494461.06, 3858751.99	0.00594	0.001203	4.16E-07	1.26E-06	9.93E-07	8.60E-07	3.86E-07	1.39E-08	3.36E-07	2.36E-07	2.04E-07	6.10E-08	8.51E-07
494511.06, 3858751.99	0.00605	0.001225	4.24E-07	1.28E-06	1.01E-06	8.75E-07	3.94E-07	1.42E-08	3.42E-07	2.40E-07	2.08E-07	6.21E-08	8.67E-07
494561.06, 3858751.99	0.00599	0.001213	4.20E-07	1.27E-06	1.00E-06	8.67E-07	3.90E-07	1.40E-08	3.39E-07	2.38E-07	2.06E-07	6.15E-08	8.58E-07
494611.06, 3858751.99	0.00598	0.001211	4.19E-07	1.27E-06	1.00E-06	8.65E-07	3.89E-07	1.40E-08	3.38E-07	2.38E-07	2.06E-07	6.14E-08	8.57E-07
494661.06, 3858751.99	0.00593	0.001201	4.16E-07	1.26E-06	9.92E-07	8.58E-07	3.86E-07	1.39E-08	3.35E-07	2.36E-07	2.04E-07	6.09E-08	8.50E-07
494711.06, 3858751.99	0.00589	0.001193	4.13E-07	1.25E-06	9.85E-07	8.52E-07	3.83E-07	1.38E-08	3.33E-07	2.34E-07	2.03E-07	6.04E-08	8.44E-07
494761.06, 3858751.99	0.00597	0.001209	4.19E-07	1.26E-06	9.98E-07	8.64E-07	3.88E-07	1.40E-08	3.38E-07	2.37E-07	2.05E-07	6.13E-08	8.55E-07
494811.06, 3858751.99	0.00594	0.001203	4.16E-07	1.26E-06	9.93E-07	8.60E-07	3.86E-07	1.39E-08	3.36E-07	2.36E-07	2.04E-07	6.10E-08	8.51E-07
494861.06, 3858751.99	0.00592	0.001199	4.15E-07	1.25E-06	9.90E-07	8.57E-07	3.85E-07	1.39E-08	3.35E-07	2.35E-07	2.04E-07	6.08E-08	8.48E-07
494911.06, 3858751.99	0.00589	0.001193	4.13E-07	1.25E-06	9.85E-07	8.52E-07	3.83E-07	1.38E-08	3.33E-07	2.34E-07	2.03E-07	6.04E-08	8.44E-07
494961.06, 3858751.99	0.00587	0.001189	4.12E-07	1.24E-06	9.82E-07	8.49E-07	3.82E-07	1.37E-08	3.32E-07	2.33E-07	2.02E-07	6.02E-08	8.41E-07
495011.06, 3858751.99	0.00586	0.001187	4.11E-07	1.24E-06	9.80E-07	8.48E-07	3.81E-07	1.37E-08	3.31E-07	2.33E-07	2.01E-07	6.01E-08	8.40E-07
495061.06, 3858751.99	0.00582	0.001179	4.08E-07	1.23E-06	9.73E-07	8.42E-07	3.79E-07	1.36E-08	3.29E-07	2.31E-07	2.00E-07	5.97E-08	8.34E-07
495111.06, 3858751.99	0.00578	0.001171	4.05E-07	1.22E-06	9.67E-07	8.36E-07	3.76E-07	1.35E-08	3.27E-07	2.30E-07	1.99E-07	5.93E-08	8.28E-07
495161.06, 3858751.99	0.00575	0.001165	4.03E-07	1.22E-06	9.62E-07	8.32E-07	3.74E-07	1.35E-08	3.25E-07	2.28E-07	1.98E-07	5.90E-08	8.24E-07
495211.06, 3858751.99	0.00573	0.001161	4.02E-07	1.21E-06	9.58E-07	8.29E-07	3.73E-07	1.34E-08	3.24E-07	2.28E-07	1.97E-07	5.88E-08	8.21E-07
495261.06, 3858751.99	0.00573	0.001161	4.02E-07	1.21E-06	9.58E-07	8.29E-07	3.73E-07	1.34E-08	3.24E-07	2.28E-07	1.97E-07	5.88E-08	8.21E-07
495311.06, 3858751.99	0.00575	0.001165	4.03E-07	1.22E-06	9.62E-07	8.32E-07	3.74E-07	1.35E-08	3.25E-07	2.28E-07	1.98E-07	5.90E-08	8.24E-07
495361.06, 3858751.99	0.00576	0.001167	4.04E-07	1.22E-06	9.63E-07	8.33E-07	3.75E-07	1.35E-08	3.26E-07	2.29E-07	1.98E-07	5.91E-08	8.25E-07
495411.06, 3858751.99	0.00578	0.001171	4.05E-07	1.22E-06	9.67E-07	8.36E-07	3.76E-07	1.35E-08	3.27E-07	2.30E-07	1.99E-07	5.93E-08	8.28E-07
495461.06, 3858751.99	0.00579	0.001173	4.06E-07	1.23E-06	9.68E-07	8.38E-07	3.77E-07	1.36E-08	3.27E-07	2.30E-07	1.99E-07	5.94E-08	8.30E-07
495511.06, 3858751.99	0.0058	0.001175	4.07E-07	1.23E-06	9.70E-07	8.39E-07	3.77E-07	1.36E-08	3.28E-07	2.30E-07	1.99E-07	5.95E-08	8.31E-07
495561.06, 3858751.99	0.00581	0.001177	4.07E-07	1.23E-06	9.72E-07	8.41E-07	3.78E-07	1.36E-08	3.29E-07	2.31E-07	2.00E-07	5.96E-08	8.32E-07
495611.06, 3858751.99	0.00582	0.001179	4.08E-07	1.23E-06	9.73E-07	8.42E-07	3.79E-07	1.36E-08	3.29E-07	2.31E-07	2.00E-07	5.97E-08	8.34E-07
495661.06, 3858751.99	0.00583	0.001181	4.09E-07	1.23E-06	9.75E-07	8.44E-07	3.79E-07	1.37E-08	3.30E-07	2.32E-07	2.00E-07	5.98E-08	8.35E-07
494311.06, 3858801.99	0.00586	0.001187	4.11E-07	1.24E-06	9.80E-07	8.48E-07	3.81E-07	1.37E-08	3.31E-07	2.33E-07	2.01E-07	6.01E-08	8.40E-07
494361.06, 3858801.99	0.00606	0.001227	4.25E-07	1.28E-06	1.01E-06	8.77E-07	3.94E-07	1.42E-08	3.43E-07	2.41E-07	2.08E-07	6.22E-08	8.68E-07
494411.06, 3858801.99	0.00615	0.001246	4.31E-07	1.30E-06	1.03E-06	8.90E-07	4.00E-07	1.44E-08	3.48E-07	2.44E-07	2.11E-07	6.31E-08	8.81E-07
494461.06, 3858801.99	0.00621	0.001258	4.35E-07	1.31E-06	1.04E-06	8.99E-07	4.04E-07	1.45E-08	3.51E-07	2.47E-07	2.14E-07	6.37E-08	8.90E-07
494511.06, 3858801.99	0.00634	0.001284	4.45E-07	1.34E-06	1.06E-06	9.17E-07	4.13E-07	1.48E-08	3.59E-07	2.52E-07	2.18E-07	6.51E-08	9.08E-07
494561.06, 3858801.99	0.00635	0.001286	4.45E-07	1.34E-06	1.06E-06	9.19E-07	4.13E-07	1.49E-08	3.59E-07	2.52E-07	2.18E-07	6.52E-08	9.10E-07
494611.06, 3858801.99	0.00634	0.001284	4.45E-07	1.34E-06	1.06E-06	9.17E-07	4.13E-07	1.48E-08	3.59E-07	2.52E-07	2.18E-07	6.51E-08	9.08E-07
494661.06, 3858801.99	0.00631	0.001278	4.42E-07	1.34E-06	1.06E-06	9.13E-07	4.11E-07	1.48E-08	3.57E-07	2.51E-07	2.17E-07	6.48E-08	9.04E-07
494711.06, 3858801.99	0.00628	0.001272	4.40E-07	1.33E-06	1.05E-06	9.09E-07	4.09E-07	1.47E-08	3.55E-07	2.50E-07	2.16E-07	6.45E-08	9.00E-07
494761.06, 3858801.99	0.00624	0.001264	4.38E-07	1.32E-06	1.04E-06	9.03E-07	4.06E-07	1.46E-08	3.53E-07	2.48E-07	2.15E-07	6.40E-08	8.94E-07
494811.06, 3858801.99	0.0062	0.001256	4.35E-07	1.31E-06	1.04E-06	8.97E-07	4.03E-07	1.45E-08	3.51E-07	2.46E-07	2.13E-07	6.36E-08	8.88E-07
494861.06, 3858801.99	0.0062	0.001256	4.35E-07	1.31E-06	1.04E-06	8.97E-07	4.03E-07	1.45E-08	3.51E-07	2.46E-07	2.13E-07	6.36E-08	8.88E-07
494911.06, 3858801.99	0.00617	0.00125	4.33E-07	1.31E-06	1.03E-06	8.93E-07	4.01E-07	1.44E-08	3.49E-07	2.45E-07	2.12E-07	6.33E-08	8.84E-07
494961.06, 3858801.99	0.00615	0.001246	4.31E-07	1.30E-06	1.03E-06	8.90E-07	4.00E-07	1.44E-08	3.48E-07	2.44E-07	2.11E-07	6.31E-08	8.81E-07
495011.06, 3858801.99	0.00612	0.00124	4.29E-07	1.30E-06	1.02E-06	8.86E-07	3.98E-07	1.43E-08	3.46E-07	2.43E-07	2.10E-07	6.28E-08	8.77E-07
495061.06, 3858801.99	0.0061	0.001236	4.28E-07	1.29E-06	1.02E-06	8.83E-07	3.97E-07	1.43E-08	3.45E-07	2.42E-07	2.10E-07	6.26E-08	8.74E-07
495111.06, 3858801.99	0.00605	0.001225	4.24E-07	1.28E-06	1.01E-06	8.75E-07	3.94E-07	1.42E-08	3.42E-07	2.40E-07	2.08E-07	6.21E-08	8.67E-07
495161.06, 3858801.99	0.00602	0.001219	4.22E-07	1.27E-06	1.01E-06	8.71E-07	3.92E-07	1.41E-08	3.40E-07	2.39E-07	2.07E-07	6.18E-08	8.63E-07
495211.06, 3858801.99	0.00601	0.001217	4.21E-07	1.27E-06	1.01E-06	8.70E-07	3.91E-07	1.41E-08	3.40E-07	2.39E-07	2.07E-07	6.17E-08	8.61E-07
495261.06, 3858801.99	0.00602	0.001219	4.22E-07	1.27E-06	1.01E-06	8.71E-07	3.92E-07	1.41E-08	3.40E-07	2.39E-07	2.07E-07	6.18E-08	8.63E-07
495311.06, 3858801.99	0.00604	0.001223	4.24E-07	1.28E-06	1.01E-06	8.74E-07	3.93E-07	1.41E-08	3.42E-07	2.40E-07	2.08E-07	6.20E-08	8.65E-07
495361.06, 3858801.99	0.00605	0.001225	4.24E-07	1.28E-06	1.01E-06	8.75E-07	3.94E-07	1.42E-08	3.42E-07	2.40E-07	2.08E-07	6.21E-08	8.67E-07
495411.06, 3858801.99	0.00608	0.001232	4.26E-07	1.29E-06	1.02E-06	8.80E-07	3.96E-07	1.42E-08	3.44E-07	2.42E-07	2.09E-07	6.24E-08	8.71E-07
495461.06, 3858801.99	0.00609	0.001234	4.27E-07	1.29E-06	1.02E-06	8.81E-07	3.96E-07	1.43E-08	3.44E-07	2.42E-07	2.09E-07	6.25E-08	8.73E-07
495511.06, 3858801.99	0.00609	0.001234	4.27E-07	1.29E-06	1.02E-06	8.81E-07	3.96E-07	1.43E-08	3.44E-07	2.42E-07	2.09E-07	6.25E-08	8.73E-07
495561.06, 3858801.99	0.0061	0.001236	4.28E-07	1.29E-06	1.02E-06	8.83E-07	3.97E-07	1.43E-08	3.45E-07	2.42E-07	2.10E-07	6.26E-08	8.74E-07
495611.06, 3858801.99	0.0061	0.001236	4.28E-07	1.29E-06	1.02E-06	8.83E-07	3.97E-07	1.43E-08	3.45E-07	2.42E-07	2.10E-07	6.26E-08	8.74E-07
495661.06, 3858801.99	0.00613	0.001242	4.30E-07	1.30E-06	1.03E-06	8.87E-07	3.99E-07	1.44E-08	3.47E-07	2.44E-07	2.11E-07	6.29E-08	8.78E-07
494311.06, 3858851.99	0.00625	0.001266	4.38E-07	1.32E-06	1.05E-06	9.04E-07	4.07E-07	1.46E-08	3.53E-07	2.48E-07	2.15E-07	6.41E-08	8.95E-07
494361.06, 3858851.99	0.0064	0.001296	4.49E-07	1.35E-06	1.07E-06	9.26E-07	4.16E-07	1.50E-08	3.62E-07	2.54E-07	2.20E-07	6.57E-08	9.17E-07
494411.06, 3858851.99	0.00645	0.001306	4.52E-07	1.37E-06	1.08E-06	9.33E-07	4.20E-07	1.51E-08	3.65E-07	2.56E-07	2.22E-07	6.62E-08	9.24E-07
494461.06, 3858851.99	0.00651	0.001319	4.56E-07	1.38E-06	1.09E-06	9.42E-07	4.24E-07	1.52E-08	3.68E-07	2.59E-07	2.24E-07	6.68E-08	9.33E-07
494511.06, 3858851.99	0.00664	0.001345	4.66E-07	1.41E-06	1.11E-06	9.61E-07	4.32E-07	1.55E-08	3.76E-07	2.64E-07	2.28E-07	6.81E-08	9.51E-07
494561.06, 3858851.99	0.00665	0.001347	4.66E-07	1.41E-06	1.11E-06	9.62E-07	4.33E-07	1.56E-08	3.76E-07	2.64E-07	2.29E-07	6.82E-08	9.53E-07
494611.06, 3858851.99	0.00663	0.001343	4.65E-07	1.40E-06	1.11E-06	9.59E-07	4.31E-07	1.55E-08	3.75E-07	2.63E-07	2.28E-07	6.80E-08	9.50E-07
494661.06, 3858851.99	0.00661	0.001339	4.63E-07	1.40E-06	1.11E-06	9.56E-07	4.30E-07	1.55E-08	3.74E-07	2.63E-07	2.27E-07	6.78E-08	9.47E-07
494711.06, 3858851.99	0.00656	0.001329	4.60E-07	1.39E-06	1.10E-06	9.49E-07	4.27E-07	1.54E-08	3.71E-07	2.61E-07	2.26E-07	6.73E-08	9.40E-07
494761.06, 3858851.99	0.00652	0.001321	4.57E-07	1.38E-06	1.09E-06	9.43E-07	4.24E-07	1.53E-08	3.69E-07	2.59E-07	2.24E-07	6.69E-08	9.34E-07
494811.06, 3858851.99	0.0065	0.001317	4.56E-07	1.38E-06	1.09E-06	9.41E-07	4.23E-07	1.52E-08	3.68E-07	2.58E-07	2.23E-07	6.67E-08	9.31E-07
494861.06, 3858851.99	0.0065	0.001317	4.56E-07	1.38E-06	1.09E-06	9.41E-07	4.23E-07	1.52E-08	3.68E-07	2.58E-07	2.23E-07	6.67E-08	9.31E-07
494911.06, 3858851.99	0.00647	0.001311	4.54E-07	1.37E-06	1.08E-06	9.36E-07	4.21E-07	1.51E-08	3.66E-07	2.57E-07	2.22E-07	6.64E-08	9.27E-07
494961.06, 3858851.99	0.00645	0.001306	4.52E-07	1.37E-06	1.08E-06	9.33E-07	4.20E-07	1.51E-08	3.65E-07	2.56E-07	2.22E-07	6.62E-08	9.24E-07
495011.06, 3858851.99	0.00643	0.001302	4.51E-07	1.36E-06	1.08E-06	9.30E-07	4.18E-07	1.51E-08	3.64E-07	2.55E-07	2.21E-07	6.60E-08	9.21E-07
495061.06, 3858851.99	0.0064	0.001296	4.49E-07	1.35E-06	1.07E-06	9.26E-07	4.16E-07	1.50E-08	3.62E-07	2.54E-07	2.20E-07	6.57E-08	9.17E-07
495111.06, 3858851.99	0.00633	0.001282	4.44E-07	1.34E-06	1.06E-06	9.16E-07	4.12E-07	1.48E-08	3.58E-07	2.52E-07	2.18E-07	6.50E-08	9.07E-07
495161.06, 3858851.99	0.0063	0.001276	4.42E-07	1.33E-06	1.05E-06	9.12E-07	4.10E-07	1.48E-08	3.56E-07	2.50E-07	2.17E-07	6.47E-08	9.03E-07
495211.06, 3858851.99	0.00632	0.00128	4.43E-07	1.34E-06	1.06E-06	9.15E-07	4.11E-07	1.48E-08	3.57E-07	2.51E-07	2.17E-07	6.49E-08	9.06E-07
495261.06, 3858851.99	0.00633	0.001282	4.44E-07	1.34E-06	1.06E-06	9.16E-07	4.12E-07	1.48E-08	3.58E-07	2.52E-07	2.18E-07	6.50E-08	9.07E-07
495311.06, 3858851.99	0.00635	0.001286	4.45E-07	1.34E-06	1.06E-06	9.19E-07	4.13E-07	1.49E-08	3.59E-07	2.52E-07	2.18E-07	6.52E-08	9.10E-07
495361.06, 3858851.99	0.00636	0.001288	4.46E-07	1.35E-06	1.06E-06	9.20E-07	4.14E-07	1.49E-08	3.60E-07	2.53E-07	2.19E-07	6.53E-08	9.11E-07

495411.06, 3858851.99	0.00638	0.001292	4.47E-07	1.35E-06	1.07E-06	9.23E-07	4.15E-07	1.49E-08	3.61E-07	2.54E-07	2.19E-07	6.55E-08	9.14E-07
495461.06, 3858851.99	0.0064	0.001296	4.49E-07	1.35E-06	1.07E-06	9.26E-07	4.16E-07	1.50E-08	3.62E-07	2.54E-07	2.20E-07	6.57E-08	9.17E-07
495511.06, 3858851.99	0.00638	0.001292	4.47E-07	1.35E-06	1.07E-06	9.23E-07	4.15E-07	1.49E-08	3.61E-07	2.54E-07	2.19E-07	6.55E-08	9.14E-07
495561.06, 3858851.99	0.0064	0.001296	4.49E-07	1.35E-06	1.07E-06	9.26E-07	4.16E-07	1.50E-08	3.62E-07	2.54E-07	2.20E-07	6.57E-08	9.17E-07
495611.06, 3858851.99	0.0064	0.001296	4.49E-07	1.35E-06	1.07E-06	9.26E-07	4.16E-07	1.50E-08	3.62E-07	2.54E-07	2.20E-07	6.57E-08	9.17E-07
495661.06, 3858851.99	0.00643	0.001302	4.51E-07	1.36E-06	1.08E-06	9.30E-07	4.18E-07	1.51E-08	3.64E-07	2.55E-07	2.21E-07	6.60E-08	9.21E-07
494311.06, 3858901.99	0.00656	0.001329	4.60E-07	1.39E-06	1.10E-06	9.49E-07	4.27E-07	1.54E-08	3.71E-07	2.61E-07	2.26E-07	6.73E-08	9.40E-07
494361.06, 3858901.99	0.00671	0.001359	4.70E-07	1.42E-06	1.12E-06	9.71E-07	4.37E-07	1.57E-08	3.79E-07	2.67E-07	2.31E-07	6.89E-08	9.61E-07
494411.06, 3858901.99	0.00678	0.001373	4.75E-07	1.44E-06	1.13E-06	9.81E-07	4.41E-07	1.59E-08	3.83E-07	2.69E-07	2.33E-07	6.96E-08	9.71E-07
494461.06, 3858901.99	0.00694	0.001406	4.87E-07	1.47E-06	1.16E-06	1.00E-06	4.52E-07	1.62E-08	3.93E-07	2.76E-07	2.39E-07	7.12E-08	9.94E-07
494511.06, 3858901.99	0.00699	0.001416	4.90E-07	1.48E-06	1.17E-06	1.01E-06	4.55E-07	1.64E-08	3.95E-07	2.78E-07	2.40E-07	7.17E-08	1.00E-06
494561.06, 3858901.99	0.00698	0.001414	4.89E-07	1.48E-06	1.17E-06	1.01E-06	4.54E-07	1.63E-08	3.95E-07	2.77E-07	2.40E-07	7.16E-08	1.00E-06
494611.06, 3858901.99	0.00693	0.001404	4.86E-07	1.47E-06	1.16E-06	1.00E-06	4.51E-07	1.62E-08	3.92E-07	2.75E-07	2.38E-07	7.11E-08	9.93E-07
494661.06, 3858901.99	0.00692	0.001402	4.85E-07	1.47E-06	1.16E-06	1.00E-06	4.50E-07	1.62E-08	3.91E-07	2.75E-07	2.38E-07	7.10E-08	9.91E-07
494711.06, 3858901.99	0.00688	0.001394	4.82E-07	1.46E-06	1.15E-06	9.96E-07	4.48E-07	1.61E-08	3.89E-07	2.73E-07	2.37E-07	7.06E-08	9.86E-07
494761.06, 3858901.99	0.00683	0.001383	4.79E-07	1.45E-06	1.14E-06	9.88E-07	4.44E-07	1.60E-08	3.86E-07	2.71E-07	2.35E-07	7.01E-08	9.79E-07
494811.06, 3858901.99	0.00682	0.001381	4.78E-07	1.44E-06	1.14E-06	9.87E-07	4.44E-07	1.60E-08	3.86E-07	2.71E-07	2.34E-07	7.00E-08	9.77E-07
494861.06, 3858901.99	0.00682	0.001381	4.78E-07	1.44E-06	1.14E-06	9.87E-07	4.44E-07	1.60E-08	3.86E-07	2.71E-07	2.34E-07	7.00E-08	9.77E-07
494911.06, 3858901.99	0.00677	0.001371	4.75E-07	1.43E-06	1.13E-06	9.80E-07	4.41E-07	1.59E-08	3.83E-07	2.69E-07	2.33E-07	6.95E-08	9.70E-07
494961.06, 3858901.99	0.00676	0.001369	4.74E-07	1.43E-06	1.13E-06	9.78E-07	4.40E-07	1.58E-08	3.82E-07	2.69E-07	2.32E-07	6.94E-08	9.69E-07
495011.06, 3858901.99	0.00674	0.001365	4.73E-07	1.43E-06	1.13E-06	9.75E-07	4.39E-07	1.58E-08	3.81E-07	2.68E-07	2.32E-07	6.92E-08	9.66E-07
495061.06, 3858901.99	0.00669	0.001355	4.69E-07	1.42E-06	1.12E-06	9.68E-07	4.35E-07	1.57E-08	3.78E-07	2.66E-07	2.30E-07	6.87E-08	9.59E-07
495111.06, 3858901.99	0.00662	0.001341	4.64E-07	1.40E-06	1.11E-06	9.58E-07	4.31E-07	1.55E-08	3.74E-07	2.63E-07	2.28E-07	6.79E-08	9.48E-07
495161.06, 3858901.99	0.00661	0.001339	4.63E-07	1.40E-06	1.11E-06	9.56E-07	4.30E-07	1.55E-08	3.74E-07	2.63E-07	2.27E-07	6.78E-08	9.47E-07
495211.06, 3858901.99	0.00664	0.001345	4.66E-07	1.41E-06	1.11E-06	9.61E-07	4.32E-07	1.55E-08	3.76E-07	2.64E-07	2.28E-07	6.81E-08	9.51E-07
495261.06, 3858901.99	0.00666	0.001349	4.67E-07	1.41E-06	1.11E-06	9.64E-07	4.33E-07	1.56E-08	3.77E-07	2.65E-07	2.29E-07	6.84E-08	9.54E-07
495311.06, 3858901.99	0.00668	0.001353	4.68E-07	1.41E-06	1.12E-06	9.67E-07	4.35E-07	1.56E-08	3.78E-07	2.65E-07	2.30E-07	6.86E-08	9.57E-07
495361.06, 3858901.99	0.00669	0.001355	4.69E-07	1.42E-06	1.12E-06	9.68E-07	4.35E-07	1.57E-08	3.78E-07	2.66E-07	2.30E-07	6.87E-08	9.59E-07
495411.06, 3858901.99	0.00672	0.001361	4.71E-07	1.42E-06	1.12E-06	9.72E-07	4.37E-07	1.57E-08	3.80E-07	2.67E-07	2.31E-07	6.90E-08	9.63E-07
495461.06, 3858901.99	0.00673	0.001363	4.72E-07	1.42E-06	1.13E-06	9.74E-07	4.38E-07	1.58E-08	3.81E-07	2.67E-07	2.31E-07	6.91E-08	9.64E-07
495511.06, 3858901.99	0.00672	0.001361	4.71E-07	1.42E-06	1.12E-06	9.72E-07	4.37E-07	1.57E-08	3.80E-07	2.67E-07	2.31E-07	6.90E-08	9.63E-07
495561.06, 3858901.99	0.00673	0.001363	4.72E-07	1.42E-06	1.13E-06	9.74E-07	4.38E-07	1.58E-08	3.81E-07	2.67E-07	2.31E-07	6.91E-08	9.64E-07
495611.06, 3858901.99	0.00673	0.001363	4.72E-07	1.42E-06	1.13E-06	9.74E-07	4.38E-07	1.58E-08	3.81E-07	2.67E-07	2.31E-07	6.91E-08	9.64E-07
495661.06, 3858901.99	0.00677	0.001371	4.75E-07	1.43E-06	1.13E-06	9.80E-07	4.41E-07	1.59E-08	3.83E-07	2.69E-07	2.33E-07	6.95E-08	9.70E-07
494311.06, 3858951.99	0.00695	0.001408	4.87E-07	1.47E-06	1.16E-06	1.01E-06	4.52E-07	1.63E-08	3.93E-07	2.76E-07	2.39E-07	7.13E-08	9.96E-07
494361.06, 3858951.99	0.00706	0.00143	4.95E-07	1.49E-06	1.18E-06	1.02E-06	4.59E-07	1.65E-08	3.99E-07	2.81E-07	2.43E-07	7.25E-08	1.01E-06
494411.06, 3858951.99	0.0071	0.001438	4.98E-07	1.50E-06	1.19E-06	1.03E-06	4.62E-07	1.66E-08	4.02E-07	2.82E-07	2.44E-07	7.29E-08	1.02E-06
494461.06, 3858951.99	0.00729	0.001477	5.11E-07	1.54E-06	1.22E-06	1.05E-06	4.74E-07	1.71E-08	4.12E-07	2.90E-07	2.51E-07	7.48E-08	1.04E-06
494511.06, 3858951.99	0.00733	0.001485	5.14E-07	1.55E-06	1.23E-06	1.06E-06	4.77E-07	1.72E-08	4.15E-07	2.91E-07	2.52E-07	7.52E-08	1.05E-06
494561.06, 3858951.99	0.00732	0.001483	5.13E-07	1.55E-06	1.22E-06	1.06E-06	4.76E-07	1.71E-08	4.14E-07	2.91E-07	2.52E-07	7.51E-08	1.05E-06
494611.06, 3858951.99	0.00729	0.001477	5.11E-07	1.54E-06	1.22E-06	1.05E-06	4.74E-07	1.71E-08	4.12E-07	2.90E-07	2.51E-07	7.48E-08	1.04E-06
494661.06, 3858951.99	0.00725	0.001469	5.08E-07	1.53E-06	1.21E-06	1.05E-06	4.72E-07	1.70E-08	4.10E-07	2.88E-07	2.49E-07	7.44E-08	1.04E-06
494711.06, 3858951.99	0.00719	0.001456	5.04E-07	1.52E-06	1.20E-06	1.04E-06	4.68E-07	1.68E-08	4.07E-07	2.86E-07	2.47E-07	7.38E-08	1.03E-06
494761.06, 3858951.99	0.00717	0.001452	5.03E-07	1.52E-06	1.20E-06	1.04E-06	4.67E-07	1.68E-08	4.06E-07	2.85E-07	2.47E-07	7.36E-08	1.03E-06
494811.06, 3858951.99	0.00717	0.001452	5.03E-07	1.52E-06	1.20E-06	1.04E-06	4.67E-07	1.68E-08	4.06E-07	2.85E-07	2.47E-07	7.36E-08	1.03E-06
494861.06, 3858951.99	0.00716	0.00145	5.02E-07	1.52E-06	1.20E-06	1.04E-06	4.66E-07	1.68E-08	4.05E-07	2.84E-07	2.46E-07	7.35E-08	1.03E-06
494911.06, 3858951.99	0.00714	0.001446	5.01E-07	1.51E-06	1.19E-06	1.03E-06	4.65E-07	1.67E-08	4.04E-07	2.84E-07	2.45E-07	7.33E-08	1.02E-06
494961.06, 3858951.99	0.00714	0.001446	5.01E-07	1.51E-06	1.19E-06	1.03E-06	4.65E-07	1.67E-08	4.04E-07	2.84E-07	2.45E-07	7.33E-08	1.02E-06
495011.06, 3858951.99	0.00706	0.00143	4.95E-07	1.49E-06	1.18E-06	1.02E-06	4.59E-07	1.65E-08	3.99E-07	2.81E-07	2.43E-07	7.25E-08	1.01E-06
495061.06, 3858951.99	0.00698	0.001414	4.89E-07	1.48E-06	1.17E-06	1.01E-06	4.54E-07	1.63E-08	3.95E-07	2.77E-07	2.40E-07	7.16E-08	1.00E-06
495111.06, 3858951.99	0.00693	0.001404	4.86E-07	1.47E-06	1.16E-06	1.00E-06	4.51E-07	1.62E-08	3.92E-07	2.75E-07	2.38E-07	7.11E-08	9.93E-07
495161.06, 3858951.99	0.00698	0.001414	4.89E-07	1.48E-06	1.17E-06	1.01E-06	4.54E-07	1.63E-08	3.95E-07	2.77E-07	2.40E-07	7.16E-08	1.00E-06
495211.06, 3858951.99	0.007	0.001418	4.91E-07	1.48E-06	1.17E-06	1.01E-06	4.55E-07	1.64E-08	3.96E-07	2.78E-07	2.41E-07	7.18E-08	1.00E-06
495261.06, 3858951.99	0.00702	0.001422	4.92E-07	1.49E-06	1.17E-06	1.02E-06	4.57E-07	1.64E-08	3.97E-07	2.79E-07	2.41E-07	7.20E-08	1.01E-06
495311.06, 3858951.99	0.00702	0.001422	4.92E-07	1.49E-06	1.17E-06	1.02E-06	4.57E-07	1.64E-08	3.97E-07	2.79E-07	2.41E-07	7.20E-08	1.01E-06
495361.06, 3858951.99	0.00704	0.001426	4.94E-07	1.49E-06	1.18E-06	1.02E-06	4.58E-07	1.65E-08	3.98E-07	2.80E-07	2.42E-07	7.23E-08	1.01E-06
495411.06, 3858951.99	0.00707	0.001432	4.96E-07	1.50E-06	1.18E-06	1.02E-06	4.60E-07	1.66E-08	4.00E-07	2.81E-07	2.43E-07	7.26E-08	1.01E-06
495461.06, 3858951.99	0.00708	0.001434	4.96E-07	1.50E-06	1.18E-06	1.02E-06	4.61E-07	1.66E-08	4.00E-07	2.81E-07	2.43E-07	7.27E-08	1.01E-06
495511.06, 3858951.99	0.00711	0.00144	4.99E-07	1.51E-06	1.19E-06	1.03E-06	4.63E-07	1.66E-08	4.02E-07	2.83E-07	2.44E-07	7.30E-08	1.02E-06
495561.06, 3858951.99	0.00709	0.001436	4.97E-07	1.50E-06	1.19E-06	1.03E-06	4.61E-07	1.66E-08	4.01E-07	2.82E-07	2.44E-07	7.28E-08	1.02E-06
495611.06, 3858951.99	0.00709	0.001436	4.97E-07	1.50E-06	1.19E-06	1.03E-06	4.61E-07	1.66E-08	4.01E-07	2.82E-07	2.44E-07	7.28E-08	1.02E-06
495661.06, 3858951.99	0.00713	0.001444	5.00E-07	1.51E-06	1.19E-06	1.03E-06	4.64E-07	1.67E-08	4.03E-07	2.83E-07	2.45E-07	7.32E-08	1.02E-06
494311.06, 3859001.99	0.00733	0.001485	5.14E-07	1.55E-06	1.23E-06	1.06E-06	4.77E-07	1.72E-08	4.15E-07	2.91E-07	2.52E-07	7.52E-08	1.05E-06
494361.06, 3859001.99	0.00741	0.001501	5.20E-07	1.57E-06	1.24E-06	1.07E-06	4.82E-07	1.73E-08	4.19E-07	2.94E-07	2.55E-07	7.60E-08	1.06E-06
494411.06, 3859001.99	0.00761	0.001541	5.34E-07	1.61E-06	1.27E-06	1.10E-06	4.95E-07	1.78E-08	4.30E-07	3.02E-07	2.62E-07	7.81E-08	1.09E-06
494461.06, 3859001.99	0.00767	0.001554	5.38E-07	1.62E-06	1.28E-06	1.11E-06	4.99E-07	1.80E-08	4.34E-07	3.05E-07	2.64E-07	7.87E-08	1.10E-06
494511.06, 3859001.99	0.00771	0.001562	5.41E-07	1.63E-06	1.29E-06	1.12E-06	5.02E-07	1.81E-08	4.36E-07	3.06E-07	2.65E-07	7.91E-08	1.10E-06
494561.06, 3859001.99	0.00768	0.001556	5.38E-07	1.63E-06	1.28E-06	1.11E-06	5.00E-07	1.80E-08	4.34E-07	3.05E-07	2.64E-07	7.88E-08	1.10E-06
494611.06, 3859001.99	0.00765	0.00155	5.36E-07	1.62E-06	1.28E-06	1.11E-06	4.98E-07	1.79E-08	4.33E-07	3.04E-07	2.63E-07	7.85E-08	1.10E-06
494661.06, 3859001.99	0.0076	0.001539	5.33E-07	1.61E-06	1.27E-06	1.10E-06	4.95E-07	1.78E-08	4.30E-07	3.02E-07	2.61E-07	7.80E-08	1.09E-06
494711.06, 3859001.99	0.00754	0.001527	5.29E-07	1.60E-06	1.26E-06	1.09E-06	4.91E-07	1.77E-08	4.26E-07	3.00E-07	2.59E-07	7.74E-08	1.08E-06
494761.06, 3859001.99	0.00753	0.001525	5.28E-07	1.59E-06	1.26E-06	1.09E-06	4.90E-07	1.76E-08	4.26E-07	2.99E-07	2.59E-07	7.73E-08	1.08E-06
494811.06, 3859001.99	0.00755	0.001529	5.29E-07	1.60E-06	1.26E-06	1.09E-06	4.91E-07	1.77E-08	4.27E-07	3.00E-07	2.60E-07	7.75E-08	1.08E-06
494861.06, 3859001.99	0.00753	0.001525	5.28E-07	1.59E-06	1.26E-06	1.09E-06	4.90E-07	1.76E-08	4.26E-07	2.99E-07	2.59E-07	7.73E-08	1.08E-06
494911.06, 3859001.99	0.00751	0.001521	5.27E-07	1.59E-06	1.26E-06	1.09E-06	4.89E-07	1.76E-08	4.25E-07	2.98E-07	2.58E-07	7.71E-08	1.08E-06
494961.06, 3859001.99	0.00749	0.001517	5.25E-07	1.59E-06	1.25E-06	1.08E-06	4.87E-07	1.75E-08	4.24E-07	2.98E-07	2.58E-07	7.69E-08	1.07E-06
495011.06, 3859001.99	0.00734	0.001487	5.15E-07	1.55E-06	1.23E-06	1.06E-06	4.78E-07	1.72E-08	4.15E-07	2.92E-07	2.52E-07	7.53E-08	1.05E-06
495061.06, 3859001.99	0.00733	0.001485	5.14E-07	1.55E-06	1.23E-06	1.06E-06	4.77E-07	1.72E-08	4.15E-07	2.91E-07	2.52E-07	7.52E-08	1.05E-06
495111.06, 3859001.99	0.00728	0.001475	5.10E-07	1.54E-06	1.22E-06	1.05E-06	4.74E-07	1.70E-08	4.12E-07	2.89E-07	2.50E-07	7.47E-08	1.04E-06
495161.06, 3859001.99	0.00736	0.001491	5.16E-07	1.56E-06	1.23E-06	1.06E-06	4.79E-07	1.72E-08	4.16E-07	2.92E-07	2.53E-07	7.55E-08	1.05E-06
495211.06, 3859001.99	0.00737	0.001493	5.17E-07	1.56E-06	1.23E-06	1.07E-06	4.80E-07	1.73E-08	4.17E-07	2.93E-07	2.53E-07	7.56E-08	1.06E-06
495261.06, 3859001.99	0.0074	0.001499	5.19E-07	1.57E-06	1.24E-06	1.07E-06	4.81E-07	1.73E-08	4.19E-07	2.94E-07	2.54E-07	7.59E-08	1.06E-06
495311.06, 3859001.99	0.00741	0.001501	5.20E-07	1.57E-06	1.24E-06	1.07E-06	4.82E-07	1.73E-08	4.19E-07	2.94E-07	2.55E-07	7.60E-08	1.06E-06
495361.06, 3859001.99	0.00744	0.001507	5.22E-07	1.58E-06	1.24E-06	1.08E-06	4.84E-07	1.74E-08	4.21E-07	2.96E-07	2.56E-07	7.64E-08	1.07E-06
495411.06, 3859001.99	0.00745	0.001509	5.22E-07	1.58E-06	1.25E-06	1.08E-06	4.85E-07	1.74E-08	4.21E-07	2.96E-07	2.56E-07	7.65E-08	1.07E-06
495461.06, 3859001.99	0.00747	0.001513	5.24E-07	1.58E-06	1.25E-06	1.08E-06	4.86E-07	1.75E-08	4.22E-07	2.97E-07	2.57E-07	7.67E-08	1.07E-06
495511.06, 3859001.99	0.00746	0.001511	5.23E-07	1.58E-06	1.25E-06	1.08E-06	4.85E-07	1.75E-08	4.22E-07	2.96E-07	2.56E-07	7.66E-08	1.07E-06
495561.06, 3859001.99	0.00747	0.001513	5.24E-07	1.58E-06	1.25E-06	1.08E-06	4.86E-07	1.75E-08	4.22E-07	2.97E-07	2.57E-07	7.67E-08	1.07E-06
495611.06, 3859001.99	0.00748	0.001515	5.24E-07	1.58E-06	1.25E-06	1.08E-06	4.87E-07	1.75E-08	4.23E-07	2.97E-07	2.57E-07	7.68E-08	1.07E-06
495661.06, 3859001.99	0.00754	0.001527	5.29E-07	1.60E-06	1.26E-06	1.09E-06	4.91E-07	1.77E-08	4.26E-07	3.00E-07	2.59E-07	7.74E-08	1.08E-06
494311.06, 3859051.99	0.00773	0.001566	5.42E-07	1.64E-06	1.29E-06	1.12E-06	5.03E-07	1.81E-08	4.37E-07	3.07E-07	2.66E-07	7.93E-08	1.11E-06
494361.06, 3859051.99	0.00796	0.001612	5.58E-07	1.69E-06	1.33E-06	1.15E-06	5.18E-07	1.86E-08	4.50E-07	3.16E-07	2.74E-07	8.17E-08	1.14E-06
494411.06, 3859051.99	0.00802	0.001624	5.62E-07	1.70E-06	1.34E-06	1.16E-06	5.22E-07	1.88E-08	4.54E-07	3.19E-07	2.76E-07	8.23E-08	1.15E-06
494461.06, 3859051.99	0.00806	0.001633	5.65E-07	1.71E-06	1.35E-06	1.17E-06	5.24E-07	1.89E-08	4.56E-07	3.20E-07	2.77E-07	8.27E-08	1.15E-06
494511.06, 3859051.99	0.00806	0.001633	5.65E-07	1.71E-06	1.35E-06	1.17E-06	5.24E-07	1.89E-08	4.56E-07	3.20E-07	2.77E-07	8.27E-08	1.15E-06
494561.06, 3859051.99	0.00806	0.001633	5.65E-07	1.71E-06	1.35E-06	1.17E-06	5.24E-07	1.89E-08	4.56E-07	3.20E-07	2.77E-07	8.27E-08	1.15E-06
494611.06, 3859051.99	0.00803	0.001627	5.63E-07	1.70E-06	1.34E-06	1.16E-06	5.22E-07	1.88E-08	4.54E-07	3.19E-07	2.76E-07	8.24E-08	1.15E-06
494661.06, 3859051.99	0.00799	0.001618	5.60E-07	1.69E-06	1.34E-06	1.16E-06	5.20E-07	1.87E-08	4.52E-07	3.17E-07	2.75E-07	8.20E-08	1.14E-06
494711.06, 3859051.99	0.00796	0.001612	5.58E-07	1.69E-06	1.33E-06	1.15E-06	5.18E-07	1.86E-08	4.50E-07	3.16E-07	2.74E-07	8.17E-08	1.14E-06

494761.06, 3859051.99	0.00793	0.001606	5.56E-07	1.68E-06	1.33E-06	1.15E-06	5.16E-07	1.86E-08	4.48E-07	3.15E-07	2.73E-07	8.14E-08	1.14E-06
494811.06, 3859051.99	0.00793	0.001606	5.56E-07	1.68E-06	1.33E-06	1.15E-06	5.16E-07	1.86E-08	4.48E-07	3.15E-07	2.73E-07	8.14E-08	1.14E-06
494861.06, 3859051.99	0.00793	0.001606	5.56E-07	1.68E-06	1.33E-06	1.15E-06	5.16E-07	1.86E-08	4.48E-07	3.15E-07	2.73E-07	8.14E-08	1.14E-06
494911.06, 3859051.99	0.0079	0.0016	5.54E-07	1.67E-06	1.32E-06	1.14E-06	5.14E-07	1.85E-08	4.47E-07	3.14E-07	2.72E-07	8.11E-08	1.13E-06
494961.06, 3859051.99	0.00781	0.001582	5.48E-07	1.65E-06	1.31E-06	1.13E-06	5.08E-07	1.83E-08	4.42E-07	3.10E-07	2.69E-07	8.02E-08	1.12E-06
495011.06, 3859051.99	0.00776	0.001572	5.44E-07	1.64E-06	1.30E-06	1.12E-06	5.05E-07	1.82E-08	4.39E-07	3.08E-07	2.67E-07	7.96E-08	1.11E-06
495061.06, 3859051.99	0.00772	0.001564	5.41E-07	1.63E-06	1.29E-06	1.12E-06	5.02E-07	1.81E-08	4.37E-07	3.07E-07	2.65E-07	7.92E-08	1.11E-06
495111.06, 3859051.99	0.00772	0.001564	5.41E-07	1.63E-06	1.29E-06	1.12E-06	5.02E-07	1.81E-08	4.37E-07	3.07E-07	2.65E-07	7.92E-08	1.11E-06
495161.06, 3859051.99	0.00778	0.001576	5.46E-07	1.65E-06	1.30E-06	1.13E-06	5.06E-07	1.82E-08	4.40E-07	3.09E-07	2.67E-07	7.98E-08	1.11E-06
495211.06, 3859051.99	0.00777	0.001574	5.45E-07	1.64E-06	1.30E-06	1.12E-06	5.06E-07	1.82E-08	4.39E-07	3.09E-07	2.67E-07	7.97E-08	1.11E-06
495261.06, 3859051.99	0.00782	0.001584	5.48E-07	1.66E-06	1.31E-06	1.13E-06	5.09E-07	1.83E-08	4.42E-07	3.11E-07	2.69E-07	8.03E-08	1.12E-06
495311.06, 3859051.99	0.00783	0.001586	5.49E-07	1.66E-06	1.31E-06	1.13E-06	5.09E-07	1.83E-08	4.43E-07	3.11E-07	2.69E-07	8.04E-08	1.12E-06
495361.06, 3859051.99	0.00785	0.00159	5.50E-07	1.66E-06	1.31E-06	1.14E-06	5.11E-07	1.84E-08	4.44E-07	3.12E-07	2.70E-07	8.06E-08	1.12E-06
495411.06, 3859051.99	0.00788	0.001596	5.53E-07	1.67E-06	1.32E-06	1.14E-06	5.13E-07	1.85E-08	4.46E-07	3.13E-07	2.71E-07	8.09E-08	1.13E-06
495461.06, 3859051.99	0.0079	0.0016	5.54E-07	1.67E-06	1.32E-06	1.14E-06	5.14E-07	1.85E-08	4.47E-07	3.14E-07	2.72E-07	8.11E-08	1.13E-06
495511.06, 3859051.99	0.00789	0.001598	5.53E-07	1.67E-06	1.32E-06	1.14E-06	5.13E-07	1.85E-08	4.46E-07	3.14E-07	2.71E-07	8.10E-08	1.13E-06
495561.06, 3859051.99	0.00789	0.001598	5.53E-07	1.67E-06	1.32E-06	1.14E-06	5.13E-07	1.85E-08	4.46E-07	3.14E-07	2.71E-07	8.10E-08	1.13E-06
495611.06, 3859051.99	0.00789	0.001598	5.53E-07	1.67E-06	1.32E-06	1.14E-06	5.13E-07	1.85E-08	4.46E-07	3.14E-07	2.71E-07	8.10E-08	1.13E-06
495661.06, 3859051.99	0.00795	0.00161	5.57E-07	1.68E-06	1.33E-06	1.15E-06	5.17E-07	1.86E-08	4.50E-07	3.16E-07	2.73E-07	8.16E-08	1.14E-06
494311.06, 3859101.99	0.00832	0.001685	5.83E-07	1.76E-06	1.39E-06	1.20E-06	5.41E-07	1.95E-08	4.71E-07	3.31E-07	2.86E-07	8.54E-08	1.19E-06
494361.06, 3859101.99	0.00839	0.001699	5.88E-07	1.78E-06	1.40E-06	1.21E-06	5.46E-07	1.96E-08	4.75E-07	3.33E-07	2.88E-07	8.61E-08	1.20E-06
494411.06, 3859101.99	0.00847	0.001716	5.94E-07	1.79E-06	1.42E-06	1.23E-06	5.51E-07	1.98E-08	4.79E-07	3.37E-07	2.91E-07	8.69E-08	1.21E-06
494461.06, 3859101.99	0.0085	0.001722	5.96E-07	1.80E-06	1.42E-06	1.23E-06	5.53E-07	1.99E-08	4.81E-07	3.38E-07	2.92E-07	8.72E-08	1.22E-06
494511.06, 3859101.99	0.00849	0.00172	5.95E-07	1.80E-06	1.42E-06	1.23E-06	5.52E-07	1.99E-08	4.80E-07	3.37E-07	2.92E-07	8.71E-08	1.22E-06
494561.06, 3859101.99	0.00848	0.001718	5.95E-07	1.80E-06	1.42E-06	1.23E-06	5.52E-07	1.99E-08	4.80E-07	3.37E-07	2.92E-07	8.70E-08	1.21E-06
494611.06, 3859101.99	0.00842	0.001706	5.90E-07	1.78E-06	1.41E-06	1.22E-06	5.48E-07	1.97E-08	4.76E-07	3.35E-07	2.89E-07	8.64E-08	1.21E-06
494661.06, 3859101.99	0.00841	0.001703	5.90E-07	1.78E-06	1.41E-06	1.22E-06	5.47E-07	1.97E-08	4.76E-07	3.34E-07	2.89E-07	8.63E-08	1.20E-06
494711.06, 3859101.99	0.00835	0.001691	5.85E-07	1.77E-06	1.40E-06	1.21E-06	5.43E-07	1.96E-08	4.72E-07	3.32E-07	2.87E-07	8.57E-08	1.20E-06
494761.06, 3859101.99	0.00838	0.001697	5.88E-07	1.77E-06	1.40E-06	1.21E-06	5.45E-07	1.96E-08	4.74E-07	3.33E-07	2.88E-07	8.60E-08	1.20E-06
494811.06, 3859101.99	0.00837	0.001695	5.87E-07	1.77E-06	1.40E-06	1.21E-06	5.45E-07	1.96E-08	4.73E-07	3.33E-07	2.88E-07	8.59E-08	1.20E-06
494861.06, 3859101.99	0.00836	0.001693	5.86E-07	1.77E-06	1.40E-06	1.21E-06	5.44E-07	1.96E-08	4.73E-07	3.32E-07	2.87E-07	8.58E-08	1.20E-06
494911.06, 3859101.99	0.00832	0.001685	5.83E-07	1.76E-06	1.39E-06	1.20E-06	5.41E-07	1.95E-08	4.71E-07	3.31E-07	2.86E-07	8.54E-08	1.19E-06
494961.06, 3859101.99	0.00823	0.001667	5.77E-07	1.74E-06	1.38E-06	1.19E-06	5.36E-07	1.93E-08	4.65E-07	3.27E-07	2.83E-07	8.45E-08	1.18E-06
495011.06, 3859101.99	0.00812	0.001645	5.69E-07	1.72E-06	1.36E-06	1.17E-06	5.28E-07	1.90E-08	4.59E-07	3.23E-07	2.79E-07	8.33E-08	1.16E-06
495061.06, 3859101.99	0.00815	0.001651	5.71E-07	1.73E-06	1.36E-06	1.18E-06	5.30E-07	1.91E-08	4.61E-07	3.24E-07	2.80E-07	8.36E-08	1.17E-06
495111.06, 3859101.99	0.00815	0.001651	5.71E-07	1.73E-06	1.36E-06	1.18E-06	5.30E-07	1.91E-08	4.61E-07	3.24E-07	2.80E-07	8.36E-08	1.17E-06
495161.06, 3859101.99	0.00821	0.001663	5.76E-07	1.74E-06	1.37E-06	1.19E-06	5.34E-07	1.92E-08	4.64E-07	3.26E-07	2.82E-07	8.43E-08	1.18E-06
495211.06, 3859101.99	0.00822	0.001665	5.76E-07	1.74E-06	1.37E-06	1.19E-06	5.35E-07	1.92E-08	4.65E-07	3.27E-07	2.83E-07	8.44E-08	1.18E-06
495261.06, 3859101.99	0.00826	0.001673	5.79E-07	1.75E-06	1.38E-06	1.20E-06	5.37E-07	1.93E-08	4.67E-07	3.28E-07	2.84E-07	8.48E-08	1.18E-06
495311.06, 3859101.99	0.00823	0.001667	5.77E-07	1.74E-06	1.38E-06	1.19E-06	5.36E-07	1.93E-08	4.65E-07	3.27E-07	2.83E-07	8.45E-08	1.18E-06
495361.06, 3859101.99	0.00832	0.001685	5.83E-07	1.76E-06	1.39E-06	1.20E-06	5.41E-07	1.95E-08	4.71E-07	3.31E-07	2.86E-07	8.54E-08	1.19E-06
495411.06, 3859101.99	0.00834	0.001689	5.85E-07	1.77E-06	1.39E-06	1.21E-06	5.43E-07	1.95E-08	4.72E-07	3.31E-07	2.87E-07	8.56E-08	1.19E-06
495461.06, 3859101.99	0.00825	0.001671	5.78E-07	1.75E-06	1.38E-06	1.19E-06	5.37E-07	1.93E-08	4.67E-07	3.28E-07	2.84E-07	8.47E-08	1.18E-06
495511.06, 3859101.99	0.00827	0.001675	5.80E-07	1.75E-06	1.38E-06	1.20E-06	5.38E-07	1.94E-08	4.68E-07	3.29E-07	2.84E-07	8.49E-08	1.18E-06
495561.06, 3859101.99	0.00836	0.001693	5.86E-07	1.77E-06	1.40E-06	1.21E-06	5.44E-07	1.96E-08	4.73E-07	3.32E-07	2.87E-07	8.58E-08	1.20E-06
495611.06, 3859101.99	0.00836	0.001693	5.86E-07	1.77E-06	1.40E-06	1.21E-06	5.44E-07	1.96E-08	4.73E-07	3.32E-07	2.87E-07	8.58E-08	1.20E-06
495661.06, 3859101.99	0.0084	0.001701	5.89E-07	1.78E-06	1.40E-06	1.22E-06	5.47E-07	1.97E-08	4.75E-07	3.34E-07	2.89E-07	8.62E-08	1.20E-06
494311.06, 3859151.99	0.0088	0.001782	6.17E-07	1.86E-06	1.47E-06	1.27E-06	5.73E-07	2.06E-08	4.98E-07	3.50E-07	3.03E-07	9.03E-08	1.26E-06
494361.06, 3859151.99	0.00889	0.001801	6.23E-07	1.88E-06	1.49E-06	1.29E-06	5.78E-07	2.08E-08	5.03E-07	3.53E-07	3.06E-07	9.12E-08	1.27E-06
494411.06, 3859151.99	0.00893	0.001809	6.26E-07	1.89E-06	1.49E-06	1.29E-06	5.81E-07	2.09E-08	5.05E-07	3.55E-07	3.07E-07	9.16E-08	1.28E-06
494461.06, 3859151.99	0.00895	0.001813	6.28E-07	1.89E-06	1.50E-06	1.30E-06	5.82E-07	2.10E-08	5.06E-07	3.56E-07	3.08E-07	9.19E-08	1.28E-06
494511.06, 3859151.99	0.00893	0.001809	6.26E-07	1.89E-06	1.49E-06	1.29E-06	5.81E-07	2.09E-08	5.05E-07	3.55E-07	3.07E-07	9.16E-08	1.28E-06
494561.06, 3859151.99	0.00893	0.001809	6.26E-07	1.89E-06	1.49E-06	1.29E-06	5.81E-07	2.09E-08	5.05E-07	3.55E-07	3.07E-07	9.16E-08	1.28E-06
494611.06, 3859151.99	0.00889	0.001801	6.23E-07	1.88E-06	1.49E-06	1.29E-06	5.78E-07	2.08E-08	5.03E-07	3.53E-07	3.06E-07	9.12E-08	1.27E-06
494661.06, 3859151.99	0.00888	0.001799	6.23E-07	1.88E-06	1.49E-06	1.28E-06	5.78E-07	2.08E-08	5.02E-07	3.53E-07	3.05E-07	9.11E-08	1.27E-06
494711.06, 3859151.99	0.00889	0.001801	6.23E-07	1.88E-06	1.49E-06	1.29E-06	5.78E-07	2.08E-08	5.03E-07	3.53E-07	3.06E-07	9.12E-08	1.27E-06
494761.06, 3859151.99	0.00884	0.001791	6.20E-07	1.87E-06	1.48E-06	1.28E-06	5.75E-07	2.07E-08	5.00E-07	3.51E-07	3.04E-07	9.07E-08	1.27E-06
494811.06, 3859151.99	0.00882	0.001787	6.18E-07	1.87E-06	1.47E-06	1.28E-06	5.74E-07	2.07E-08	4.99E-07	3.50E-07	3.03E-07	9.05E-08	1.26E-06
494861.06, 3859151.99	0.00883	0.001789	6.19E-07	1.87E-06	1.48E-06	1.28E-06	5.75E-07	2.07E-08	4.99E-07	3.51E-07	3.04E-07	9.06E-08	1.27E-06
494911.06, 3859151.99	0.00877	0.001776	6.15E-07	1.86E-06	1.47E-06	1.27E-06	5.71E-07	2.05E-08	4.96E-07	3.48E-07	3.02E-07	9.00E-08	1.26E-06
494961.06, 3859151.99	0.00861	0.001744	6.04E-07	1.82E-06	1.44E-06	1.25E-06	5.60E-07	2.02E-08	4.87E-07	3.42E-07	2.96E-07	8.84E-08	1.23E-06
495011.06, 3859151.99	0.00857	0.001736	6.01E-07	1.81E-06	1.43E-06	1.24E-06	5.58E-07	2.01E-08	4.85E-07	3.41E-07	2.95E-07	8.80E-08	1.23E-06
495061.06, 3859151.99	0.0086	0.001742	6.03E-07	1.82E-06	1.44E-06	1.24E-06	5.60E-07	2.01E-08	4.86E-07	3.42E-07	2.96E-07	8.83E-08	1.23E-06
495111.06, 3859151.99	0.00862	0.001746	6.04E-07	1.82E-06	1.44E-06	1.25E-06	5.61E-07	2.02E-08	4.88E-07	3.43E-07	2.96E-07	8.85E-08	1.24E-06
495161.06, 3859151.99	0.00869	0.00176	6.09E-07	1.84E-06	1.45E-06	1.26E-06	5.65E-07	2.03E-08	4.91E-07	3.45E-07	2.99E-07	8.92E-08	1.25E-06
495211.06, 3859151.99	0.00871	0.001764	6.11E-07	1.84E-06	1.46E-06	1.26E-06	5.67E-07	2.04E-08	4.93E-07	3.46E-07	2.99E-07	8.94E-08	1.25E-06
495261.06, 3859151.99	0.00874	0.00177	6.13E-07	1.85E-06	1.46E-06	1.26E-06	5.69E-07	2.05E-08	4.94E-07	3.47E-07	3.00E-07	8.97E-08	1.25E-06
495311.06, 3859151.99	0.00877	0.001776	6.15E-07	1.86E-06	1.47E-06	1.27E-06	5.71E-07	2.05E-08	4.96E-07	3.48E-07	3.02E-07	9.00E-08	1.26E-06
495361.06, 3859151.99	0.00879	0.00178	6.16E-07	1.86E-06	1.47E-06	1.27E-06	5.72E-07	2.06E-08	4.97E-07	3.49E-07	3.02E-07	9.02E-08	1.26E-06
495411.06, 3859151.99	0.00885	0.001793	6.21E-07	1.87E-06	1.48E-06	1.28E-06	5.76E-07	2.07E-08	5.01E-07	3.52E-07	3.04E-07	9.08E-08	1.27E-06
495461.06, 3859151.99	0.00887	0.001797	6.22E-07	1.88E-06	1.48E-06	1.28E-06	5.77E-07	2.08E-08	5.02E-07	3.52E-07	3.05E-07	9.10E-08	1.27E-06
495511.06, 3859151.99	0.00885	0.001793	6.21E-07	1.87E-06	1.48E-06	1.28E-06	5.76E-07	2.07E-08	5.01E-07	3.52E-07	3.04E-07	9.08E-08	1.27E-06
495561.06, 3859151.99	0.00886	0.001795	6.21E-07	1.88E-06	1.48E-06	1.28E-06	5.76E-07	2.07E-08	5.01E-07	3.52E-07	3.05E-07	9.09E-08	1.27E-06
495611.06, 3859151.99	0.00888	0.001799	6.23E-07	1.88E-06	1.49E-06	1.28E-06	5.78E-07	2.08E-08	5.02E-07	3.53E-07	3.05E-07	9.11E-08	1.27E-06
495661.06, 3859151.99	0.0089	0.001803	6.24E-07	1.88E-06	1.49E-06	1.29E-06	5.79E-07	2.08E-08	5.03E-07	3.54E-07	3.06E-07	9.13E-08	1.28E-06
494311.06, 3859201.99	0.00933	0.00189	6.54E-07	1.98E-06	1.56E-06	1.35E-06	6.07E-07	2.18E-08	5.28E-07	3.71E-07	3.21E-07	9.58E-08	1.34E-06
494361.06, 3859201.99	0.00939	0.001902	6.58E-07	1.99E-06	1.57E-06	1.36E-06	6.11E-07	2.20E-08	5.31E-07	3.73E-07	3.23E-07	9.64E-08	1.35E-06
494411.06, 3859201.99	0.00944	0.001912	6.62E-07	2.00E-06	1.58E-06	1.37E-06	6.14E-07	2.21E-08	5.34E-07	3.75E-07	3.25E-07	9.69E-08	1.35E-06
494461.06, 3859201.99	0.00944	0.001912	6.62E-07	2.00E-06	1.58E-06	1.37E-06	6.14E-07	2.21E-08	5.34E-07	3.75E-07	3.25E-07	9.69E-08	1.35E-06
494511.06, 3859201.99	0.00946	0.001916	6.63E-07	2.00E-06	1.58E-06	1.37E-06	6.16E-07	2.21E-08	5.35E-07	3.76E-07	3.25E-07	9.71E-08	1.36E-06
494561.06, 3859201.99	0.00941	0.001906	6.60E-07	1.99E-06	1.57E-06	1.36E-06	6.12E-07	2.20E-08	5.32E-07	3.74E-07	3.24E-07	9.66E-08	1.35E-06
494611.06, 3859201.99	0.00939	0.001902	6.58E-07	1.99E-06	1.57E-06	1.36E-06	6.11E-07	2.20E-08	5.31E-07	3.73E-07	3.23E-07	9.64E-08	1.35E-06
494661.06, 3859201.99	0.00939	0.001902	6.58E-07	1.99E-06	1.57E-06	1.36E-06	6.11E-07	2.20E-08	5.31E-07	3.73E-07	3.23E-07	9.64E-08	1.35E-06
494711.06, 3859201.99	0.00939	0.001902	6.58E-07	1.99E-06	1.57E-06	1.36E-06	6.11E-07	2.20E-08	5.31E-07	3.73E-07	3.23E-07	9.64E-08	1.35E-06
494761.06, 3859201.99	0.00935	0.001894	6.56E-07	1.98E-06	1.56E-06	1.35E-06	6.08E-07	2.19E-08	5.29E-07	3.72E-07	3.21E-07	9.60E-08	1.34E-06
494811.06, 3859201.99	0.00933	0.00189	6.54E-07	1.98E-06	1.56E-06	1.35E-06	6.07E-07	2.18E-08	5.28E-07	3.71E-07	3.21E-07	9.58E-08	1.34E-06
494861.06, 3859201.99	0.00922	0.001868	6.46E-07	1.95E-06	1.54E-06	1.33E-06	6.00E-07	2.16E-08	5.21E-07	3.66E-07	3.17E-07	9.46E-08	1.32E-06
494911.06, 3859201.99	0.00922	0.001868	6.46E-07	1.95E-06	1.54E-06	1.33E-06	6.00E-07	2.16E-08	5.21E-07	3.66E-07	3.17E-07	9.46E-08	1.32E-06
494961.06, 3859201.99	0.00913	0.001849	6.40E-07	1.93E-06	1.53E-06	1.32E-06	5.94E-07	2.14E-08	5.16E-07	3.63E-07	3.14E-07	9.37E-08	1.31E-06
495011.06, 3859201.99	0.00899	0.001821	6.30E-07	1.90E-06	1.50E-06	1.30E-06	5.85E-07	2.10E-08	5.08E-07	3.57E-07	3.09E-07	9.23E-08	1.29E-06
495061.06, 3859201.99	0.00911	0.001845	6.39E-07	1.93E-06	1.52E-06	1.32E-06	5.93E-07	2.13E-08	5.15E-07	3.62E-07	3.13E-07	9.35E-08	1.31E-06
495111.06, 3859201.99	0.00916	0.001855	6.42E-07	1.94E-06	1.53E-06	1.33E-06	5.96E-07	2.14E-08	5.18E-07	3.64E-07	3.15E-07	9.40E-08	1.31E-06
495161.06, 3859201.99	0.0092	0.001863	6.45E-07	1.95E-06	1.54E-06	1.33E-06	5.99E-07	2.15E-08	5.20E-07	3.66E-07	3.16E-07	9.44E-08	1.32E-06
495211.06, 3859201.99	0.00921	0.001866	6.46E-07	1.95E-06	1.54E-06	1.33E-06	5.99E-07	2.16E-08	5.21E-07	3.66E-07	3.17E-07	9.45E-08	1.32E-06
495261.06, 3859201.99	0.00926	0.001876	6.49E-07	1.96E-06	1.55E-06	1.34E-06	6.03E-07	2.17E-08	5.24E-07	3.68E-07	3.18E-07	9.50E-08	1.33E-06
495311.06, 3859201.99	0.00929	0.001882	6.51E-07	1.97E-06	1.55E-06	1.34E-06	6.04E-07	2.18E-08	5.25E-07	3.69E-07	3.19E-07	9.53E-08	1.33E-06
495361.06, 3859201.99	0.00932	0.001888	6.53E-07	1.97E-06	1.56E-06	1.35E-06	6.06E-07	2.18E-08	5.27E-07	3.70E-07	3.20E-07	9.57E-08	1.34E-06
495411.06, 3859201.99	0.00938	0.0019	6.58E-07	1.99E-06	1.57E-06	1.36E-06	6.10E-07	2.20E-08	5.31E-07	3.73E-07	3.22E-07	9.63E-08	1.34E-06
495461.06, 3859201.99	0.0094	0.001904	6.59E-07	1.99E-06	1.57E-06	1.36E-06	6.12E-07	2.20E-08	5.32E-07	3.74E-07	3.23E-07	9.65E-08	1.35E-06

495511.06, 3859201.99	0.00942	0.001908	6.61E-07	1.99E-06	1.58E-06	1.36E-06	6.13E-07	2.21E-08	5.33E-07	3.74E-07	3.24E-07	9.67E-08	1.35E-06
495561.06, 3859201.99	0.0094	0.001904	6.59E-07	1.99E-06	1.57E-06	1.36E-06	6.12E-07	2.20E-08	5.32E-07	3.74E-07	3.23E-07	9.65E-08	1.35E-06
495611.06, 3859201.99	0.00941	0.001906	6.60E-07	1.99E-06	1.57E-06	1.36E-06	6.12E-07	2.20E-08	5.32E-07	3.74E-07	3.24E-07	9.66E-08	1.35E-06
495661.06, 3859201.99	0.00944	0.001912	6.62E-07	2.00E-06	1.58E-06	1.37E-06	6.14E-07	2.21E-08	5.34E-07	3.75E-07	3.25E-07	9.69E-08	1.35E-06
494311.06, 3859251.99	0.00991	0.002007	6.95E-07	2.10E-06	1.66E-06	1.43E-06	6.45E-07	2.32E-08	5.60E-07	3.94E-07	3.41E-07	1.02E-07	1.42E-06
494361.06, 3859251.99	0.00994	0.002013	6.97E-07	2.10E-06	1.66E-06	1.44E-06	6.47E-07	2.33E-08	5.62E-07	3.95E-07	3.42E-07	1.02E-07	1.42E-06
494411.06, 3859251.99	0.00994	0.002013	6.97E-07	2.10E-06	1.66E-06	1.44E-06	6.47E-07	2.33E-08	5.62E-07	3.95E-07	3.42E-07	1.02E-07	1.42E-06
494461.06, 3859251.99	0.00998	0.002021	7.00E-07	2.11E-06	1.67E-06	1.44E-06	6.49E-07	2.34E-08	5.64E-07	3.97E-07	3.43E-07	1.02E-07	1.43E-06
494511.06, 3859251.99	0.00994	0.002013	6.97E-07	2.10E-06	1.66E-06	1.44E-06	6.47E-07	2.33E-08	5.62E-07	3.95E-07	3.42E-07	1.02E-07	1.42E-06
494561.06, 3859251.99	0.00994	0.002013	6.97E-07	2.10E-06	1.66E-06	1.44E-06	6.47E-07	2.33E-08	5.62E-07	3.95E-07	3.42E-07	1.02E-07	1.42E-06
494611.06, 3859251.99	0.00991	0.002007	6.95E-07	2.10E-06	1.66E-06	1.43E-06	6.45E-07	2.32E-08	5.60E-07	3.94E-07	3.41E-07	1.02E-07	1.42E-06
494661.06, 3859251.99	0.00994	0.002013	6.97E-07	2.10E-06	1.66E-06	1.44E-06	6.47E-07	2.33E-08	5.62E-07	3.95E-07	3.42E-07	1.02E-07	1.42E-06
494711.06, 3859251.99	0.00994	0.002013	6.97E-07	2.10E-06	1.66E-06	1.44E-06	6.47E-07	2.33E-08	5.62E-07	3.95E-07	3.42E-07	1.02E-07	1.42E-06
494761.06, 3859251.99	0.00974	0.001973	6.83E-07	2.06E-06	1.63E-06	1.41E-06	6.34E-07	2.28E-08	5.51E-07	3.87E-07	3.35E-07	1.00E-07	1.40E-06
494811.06, 3859251.99	0.00988	0.002001	6.93E-07	2.09E-06	1.65E-06	1.43E-06	6.43E-07	2.31E-08	5.59E-07	3.93E-07	3.40E-07	1.01E-07	1.42E-06
494861.06, 3859251.99	0.00968	0.001961	6.79E-07	2.05E-06	1.62E-06	1.40E-06	6.30E-07	2.27E-08	5.47E-07	3.85E-07	3.33E-07	9.93E-08	1.39E-06
494911.06, 3859251.99	0.0097	0.001965	6.80E-07	2.05E-06	1.62E-06	1.40E-06	6.31E-07	2.27E-08	5.49E-07	3.85E-07	3.33E-07	9.96E-08	1.39E-06
494961.06, 3859251.99	0.00968	0.001961	6.79E-07	2.05E-06	1.62E-06	1.40E-06	6.30E-07	2.27E-08	5.47E-07	3.85E-07	3.33E-07	9.93E-08	1.39E-06
495011.06, 3859251.99	0.00965	0.001955	6.77E-07	2.04E-06	1.61E-06	1.40E-06	6.28E-07	2.26E-08	5.46E-07	3.83E-07	3.32E-07	9.90E-08	1.38E-06
495061.06, 3859251.99	0.00971	0.001967	6.81E-07	2.06E-06	1.62E-06	1.41E-06	6.32E-07	2.27E-08	5.49E-07	3.86E-07	3.34E-07	9.97E-08	1.39E-06
495111.06, 3859251.99	0.00973	0.001971	6.82E-07	2.06E-06	1.63E-06	1.41E-06	6.33E-07	2.28E-08	5.50E-07	3.87E-07	3.35E-07	9.99E-08	1.39E-06
495161.06, 3859251.99	0.00977	0.001979	6.85E-07	2.07E-06	1.63E-06	1.41E-06	6.36E-07	2.29E-08	5.53E-07	3.88E-07	3.36E-07	1.00E-07	1.40E-06
495211.06, 3859251.99	0.00979	0.001983	6.86E-07	2.07E-06	1.64E-06	1.42E-06	6.37E-07	2.29E-08	5.54E-07	3.89E-07	3.37E-07	1.00E-07	1.40E-06
495261.06, 3859251.99	0.00975	0.001975	6.84E-07	2.06E-06	1.63E-06	1.41E-06	6.34E-07	2.28E-08	5.51E-07	3.87E-07	3.35E-07	1.00E-07	1.40E-06
495311.06, 3859251.99	0.00988	0.002001	6.93E-07	2.09E-06	1.65E-06	1.43E-06	6.43E-07	2.31E-08	5.59E-07	3.93E-07	3.40E-07	1.01E-07	1.42E-06
495361.06, 3859251.99	0.00991	0.002007	6.95E-07	2.10E-06	1.66E-06	1.43E-06	6.45E-07	2.32E-08	5.60E-07	3.94E-07	3.41E-07	1.02E-07	1.42E-06
495411.06, 3859251.99	0.00997	0.002019	6.99E-07	2.11E-06	1.67E-06	1.44E-06	6.49E-07	2.33E-08	5.64E-07	3.96E-07	3.43E-07	1.02E-07	1.43E-06
495461.06, 3859251.99	0.01	0.002026	7.01E-07	2.12E-06	1.67E-06	1.45E-06	6.51E-07	2.34E-08	5.66E-07	3.97E-07	3.44E-07	1.03E-07	1.43E-06
495511.06, 3859251.99	0.00998	0.002021	7.00E-07	2.11E-06	1.67E-06	1.44E-06	6.49E-07	2.34E-08	5.64E-07	3.97E-07	3.43E-07	1.02E-07	1.43E-06
495561.06, 3859251.99	0.00999	0.002024	7.00E-07	2.11E-06	1.67E-06	1.45E-06	6.50E-07	2.34E-08	5.65E-07	3.97E-07	3.43E-07	1.03E-07	1.43E-06
495611.06, 3859251.99	0.00999	0.002024	7.00E-07	2.11E-06	1.67E-06	1.45E-06	6.50E-07	2.34E-08	5.65E-07	3.97E-07	3.43E-07	1.03E-07	1.43E-06
495661.06, 3859251.99	0.01001	0.002028	7.02E-07	2.12E-06	1.67E-06	1.45E-06	6.51E-07	2.34E-08	5.66E-07	3.98E-07	3.44E-07	1.03E-07	1.43E-06
494311.06, 3859301.99	0.01054	0.002135	7.39E-07	2.23E-06	1.76E-06	1.53E-06	6.86E-07	2.47E-08	5.96E-07	4.19E-07	3.62E-07	1.08E-07	1.51E-06
494361.06, 3859301.99	0.01056	0.002139	7.40E-07	2.24E-06	1.77E-06	1.53E-06	6.87E-07	2.47E-08	5.97E-07	4.20E-07	3.63E-07	1.08E-07	1.51E-06
494411.06, 3859301.99	0.01055	0.002137	7.40E-07	2.23E-06	1.76E-06	1.53E-06	6.86E-07	2.47E-08	5.97E-07	4.19E-07	3.63E-07	1.08E-07	1.51E-06
494461.06, 3859301.99	0.01053	0.002133	7.38E-07	2.23E-06	1.76E-06	1.52E-06	6.85E-07	2.47E-08	5.96E-07	4.18E-07	3.62E-07	1.08E-07	1.51E-06
494511.06, 3859301.99	0.01052	0.002131	7.38E-07	2.23E-06	1.76E-06	1.52E-06	6.85E-07	2.46E-08	5.95E-07	4.18E-07	3.62E-07	1.08E-07	1.51E-06
494561.06, 3859301.99	0.01053	0.002133	7.38E-07	2.23E-06	1.76E-06	1.52E-06	6.85E-07	2.47E-08	5.96E-07	4.18E-07	3.62E-07	1.08E-07	1.51E-06
494611.06, 3859301.99	0.01052	0.002131	7.38E-07	2.23E-06	1.76E-06	1.52E-06	6.85E-07	2.46E-08	5.95E-07	4.18E-07	3.62E-07	1.08E-07	1.51E-06
494661.06, 3859301.99	0.01052	0.002131	7.38E-07	2.23E-06	1.76E-06	1.52E-06	6.85E-07	2.46E-08	5.95E-07	4.18E-07	3.62E-07	1.08E-07	1.51E-06
494711.06, 3859301.99	0.0105	0.002127	7.36E-07	2.22E-06	1.76E-06	1.52E-06	6.83E-07	2.46E-08	5.94E-07	4.17E-07	3.61E-07	1.08E-07	1.50E-06
494761.06, 3859301.99	0.01049	0.002125	7.36E-07	2.22E-06	1.75E-06	1.52E-06	6.83E-07	2.46E-08	5.93E-07	4.17E-07	3.61E-07	1.08E-07	1.50E-06
494811.06, 3859301.99	0.01044	0.002115	7.32E-07	2.21E-06	1.75E-06	1.51E-06	6.79E-07	2.44E-08	5.90E-07	4.15E-07	3.59E-07	1.07E-07	1.50E-06
494861.06, 3859301.99	0.01032	0.00209	7.24E-07	2.18E-06	1.73E-06	1.49E-06	6.71E-07	2.42E-08	5.84E-07	4.10E-07	3.55E-07	1.06E-07	1.48E-06
494911.06, 3859301.99	0.0103	0.002086	7.22E-07	2.18E-06	1.72E-06	1.49E-06	6.70E-07	2.41E-08	5.83E-07	4.09E-07	3.54E-07	1.06E-07	1.48E-06
494961.06, 3859301.99	0.01014	0.002054	7.11E-07	2.15E-06	1.70E-06	1.47E-06	6.60E-07	2.37E-08	5.73E-07	4.03E-07	3.49E-07	1.04E-07	1.45E-06
495011.06, 3859301.99	0.01014	0.002054	7.11E-07	2.15E-06	1.70E-06	1.47E-06	6.60E-07	2.37E-08	5.73E-07	4.03E-07	3.49E-07	1.04E-07	1.45E-06
495061.06, 3859301.99	0.01022	0.00207	7.17E-07	2.16E-06	1.71E-06	1.48E-06	6.65E-07	2.39E-08	5.78E-07	4.06E-07	3.51E-07	1.05E-07	1.46E-06
495111.06, 3859301.99	0.01025	0.002076	7.19E-07	2.17E-06	1.71E-06	1.48E-06	6.67E-07	2.40E-08	5.80E-07	4.07E-07	3.52E-07	1.05E-07	1.47E-06
495161.06, 3859301.99	0.01034	0.002094	7.25E-07	2.19E-06	1.73E-06	1.50E-06	6.73E-07	2.42E-08	5.85E-07	4.11E-07	3.55E-07	1.06E-07	1.48E-06
495211.06, 3859301.99	0.01043	0.002113	7.31E-07	2.21E-06	1.74E-06	1.51E-06	6.79E-07	2.44E-08	5.90E-07	4.14E-07	3.59E-07	1.07E-07	1.49E-06
495261.06, 3859301.99	0.01049	0.002125	7.36E-07	2.22E-06	1.75E-06	1.52E-06	6.83E-07	2.46E-08	5.93E-07	4.17E-07	3.61E-07	1.08E-07	1.50E-06
495311.06, 3859301.99	0.01048	0.002123	7.35E-07	2.22E-06	1.75E-06	1.52E-06	6.82E-07	2.45E-08	5.93E-07	4.16E-07	3.60E-07	1.08E-07	1.50E-06
495361.06, 3859301.99	0.01055	0.002137	7.40E-07	2.23E-06	1.76E-06	1.53E-06	6.86E-07	2.47E-08	5.97E-07	4.19E-07	3.63E-07	1.08E-07	1.51E-06
495411.06, 3859301.99	0.01059	0.002145	7.43E-07	2.24E-06	1.77E-06	1.53E-06	6.89E-07	2.48E-08	5.99E-07	4.21E-07	3.64E-07	1.09E-07	1.52E-06
495461.06, 3859301.99	0.01064	0.002155	7.46E-07	2.25E-06	1.78E-06	1.54E-06	6.92E-07	2.49E-08	6.02E-07	4.23E-07	3.66E-07	1.09E-07	1.52E-06
495511.06, 3859301.99	0.01064	0.002155	7.46E-07	2.25E-06	1.78E-06	1.54E-06	6.92E-07	2.49E-08	6.02E-07	4.23E-07	3.66E-07	1.09E-07	1.52E-06
495561.06, 3859301.99	0.0106	0.002147	7.43E-07	2.24E-06	1.77E-06	1.53E-06	6.90E-07	2.48E-08	6.00E-07	4.21E-07	3.64E-07	1.09E-07	1.52E-06
495611.06, 3859301.99	0.01062	0.002151	7.45E-07	2.25E-06	1.78E-06	1.54E-06	6.91E-07	2.49E-08	6.01E-07	4.22E-07	3.65E-07	1.09E-07	1.52E-06
495661.06, 3859301.99	0.01064	0.002155	7.46E-07	2.25E-06	1.78E-06	1.54E-06	6.92E-07	2.49E-08	6.02E-07	4.23E-07	3.66E-07	1.09E-07	1.52E-06
494311.06, 3859351.99	0.01119	0.002267	7.85E-07	2.37E-06	1.87E-06	1.62E-06	7.28E-07	2.62E-08	6.33E-07	4.45E-07	3.85E-07	1.15E-07	1.60E-06
494361.06, 3859351.99	0.0112	0.002269	7.85E-07	2.37E-06	1.87E-06	1.62E-06	7.29E-07	2.62E-08	6.33E-07	4.45E-07	3.85E-07	1.15E-07	1.60E-06
494411.06, 3859351.99	0.01116	0.00226	7.83E-07	2.36E-06	1.87E-06	1.61E-06	7.26E-07	2.61E-08	6.31E-07	4.43E-07	3.84E-07	1.15E-07	1.60E-06
494461.06, 3859351.99	0.01116	0.00226	7.83E-07	2.36E-06	1.87E-06	1.61E-06	7.26E-07	2.61E-08	6.31E-07	4.43E-07	3.84E-07	1.15E-07	1.60E-06
494511.06, 3859351.99	0.01115	0.002258	7.82E-07	2.36E-06	1.86E-06	1.61E-06	7.25E-07	2.61E-08	6.31E-07	4.43E-07	3.83E-07	1.14E-07	1.60E-06
494561.06, 3859351.99	0.01118	0.002265	7.84E-07	2.37E-06	1.87E-06	1.62E-06	7.27E-07	2.62E-08	6.32E-07	4.44E-07	3.84E-07	1.15E-07	1.60E-06
494611.06, 3859351.99	0.01118	0.002265	7.84E-07	2.37E-06	1.87E-06	1.62E-06	7.27E-07	2.62E-08	6.32E-07	4.44E-07	3.84E-07	1.15E-07	1.60E-06
494661.06, 3859351.99	0.01117	0.002263	7.83E-07	2.36E-06	1.87E-06	1.62E-06	7.27E-07	2.62E-08	6.32E-07	4.44E-07	3.84E-07	1.15E-07	1.60E-06
494711.06, 3859351.99	0.01114	0.002256	7.81E-07	2.36E-06	1.86E-06	1.61E-06	7.25E-07	2.61E-08	6.30E-07	4.43E-07	3.83E-07	1.14E-07	1.60E-06
494761.06, 3859351.99	0.01092	0.002212	7.66E-07	2.31E-06	1.83E-06	1.58E-06	7.11E-07	2.56E-08	6.18E-07	4.34E-07	3.75E-07	1.12E-07	1.56E-06
494811.06, 3859351.99	0.01093	0.002214	7.66E-07	2.31E-06	1.83E-06	1.58E-06	7.11E-07	2.56E-08	6.18E-07	4.34E-07	3.76E-07	1.12E-07	1.57E-06
494861.06, 3859351.99	0.01094	0.002216	7.67E-07	2.32E-06	1.83E-06	1.58E-06	7.12E-07	2.56E-08	6.19E-07	4.35E-07	3.76E-07	1.12E-07	1.57E-06
494911.06, 3859351.99	0.01097	0.002222	7.69E-07	2.32E-06	1.83E-06	1.59E-06	7.14E-07	2.57E-08	6.20E-07	4.36E-07	3.77E-07	1.13E-07	1.57E-06
494961.06, 3859351.99	0.01094	0.002216	7.67E-07	2.32E-06	1.83E-06	1.58E-06	7.12E-07	2.56E-08	6.19E-07	4.35E-07	3.76E-07	1.12E-07	1.57E-06
495011.06, 3859351.99	0.01094	0.002216	7.67E-07	2.32E-06	1.83E-06	1.58E-06	7.12E-07	2.56E-08	6.19E-07	4.35E-07	3.76E-07	1.12E-07	1.57E-06
495061.06, 3859351.99	0.01107	0.002242	7.76E-07	2.34E-06	1.85E-06	1.60E-06	7.20E-07	2.59E-08	6.26E-07	4.40E-07	3.81E-07	1.14E-07	1.59E-06
495111.06, 3859351.99	0.01107	0.002242	7.76E-07	2.34E-06	1.85E-06	1.60E-06	7.20E-07	2.59E-08	6.26E-07	4.40E-07	3.81E-07	1.14E-07	1.59E-06
495161.06, 3859351.99	0.01111	0.00225	7.79E-07	2.35E-06	1.86E-06	1.61E-06	7.23E-07	2.60E-08	6.28E-07	4.41E-07	3.82E-07	1.14E-07	1.59E-06
495211.06, 3859351.99	0.01114	0.002256	7.81E-07	2.36E-06	1.86E-06	1.61E-06	7.25E-07	2.61E-08	6.30E-07	4.43E-07	3.83E-07	1.14E-07	1.60E-06
495261.06, 3859351.99	0.01121	0.002271	7.86E-07	2.37E-06	1.87E-06	1.62E-06	7.29E-07	2.62E-08	6.34E-07	4.45E-07	3.85E-07	1.15E-07	1.61E-06
495311.06, 3859351.99	0.01121	0.002271	7.86E-07	2.37E-06	1.87E-06	1.62E-06	7.29E-07	2.62E-08	6.34E-07	4.45E-07	3.85E-07	1.15E-07	1.61E-06
495361.06, 3859351.99	0.01124	0.002277	7.88E-07	2.38E-06	1.88E-06	1.63E-06	7.31E-07	2.63E-08	6.36E-07	4.47E-07	3.86E-07	1.15E-07	1.61E-06
495411.06, 3859351.99	0.0113	0.002289	7.92E-07	2.39E-06	1.89E-06	1.64E-06	7.35E-07	2.65E-08	6.39E-07	4.49E-07	3.89E-07	1.16E-07	1.62E-06
495461.06, 3859351.99	0.01137	0.002303	7.97E-07	2.41E-06	1.90E-06	1.65E-06	7.40E-07	2.66E-08	6.43E-07	4.52E-07	3.91E-07	1.17E-07	1.63E-06
495511.06, 3859351.99	0.01134	0.002297	7.95E-07	2.40E-06	1.90E-06	1.64E-06	7.38E-07	2.66E-08	6.41E-07	4.51E-07	3.90E-07	1.16E-07	1.62E-06
495561.06, 3859351.99	0.01134	0.002297	7.95E-07	2.40E-06	1.90E-06	1.64E-06	7.38E-07	2.66E-08	6.41E-07	4.51E-07	3.90E-07	1.16E-07	1.62E-06
495611.06, 3859351.99	0.01137	0.002303	7.97E-07	2.41E-06	1.90E-06	1.65E-06	7.40E-07	2.66E-08	6.43E-07	4.52E-07	3.91E-07	1.17E-07	1.63E-06
495661.06, 3859351.99	0.01134	0.002297	7.95E-07	2.40E-06	1.90E-06	1.64E-06	7.38E-07	2.66E-08	6.41E-07	4.51E-07	3.90E-07	1.16E-07	1.62E-06
494311.06, 3859401.99	0.01196	0.002423	8.39E-07	2.53E-06	2.00E-06	1.73E-06	7.78E-07	2.80E-08	6.76E-07	4.75E-07	4.11E-07	1.23E-07	1.71E-06
494361.06, 3859401.99	0.0119	0.00241	8.34E-07	2.52E-06	1.99E-06	1.72E-06	7.74E-07	2.79E-08	6.73E-07	4.73E-07	4.09E-07	1.22E-07	1.70E-06
494411.06, 3859401.99	0.01184	0.002398	8.30E-07	2.51E-06	1.98E-06	1.71E-06	7.70E-07	2.77E-08	6.70E-07	4.70E-07	4.07E-07	1.22E-07	1.70E-06
494461.06, 3859401.99	0.01185	0.0024	8.31E-07	2.51E-06	1.98E-06	1.71E-06	7.71E-07	2.77E-08	6.70E-07	4.71E-07	4.07E-07	1.22E-07	1.70E-06
494511.06, 3859401.99	0.0119	0.00241	8.34E-07	2.52E-06	1.99E-06	1.72E-06	7.74E-07	2.79E-08	6.73E-07	4.73E-07	4.09E-07	1.22E-07	1.70E-06
494561.06, 3859401.99	0.01192	0.002414	8.36E-07	2.52E-06	1.99E-06	1.72E-06	7.76E-07	2.79E-08	6.74E-07	4.74E-07	4.10E-07	1.22E-07	1.71E-06
494611.06, 3859401.99	0.0119	0.00241	8.34E-07	2.52E-06	1.99E-06	1.72E-06	7.74E-07	2.79E-08	6.73E-07	4.73E-07	4.09E-07	1.22E-07	1.70E-06
494661.06, 3859401.99	0.01193	0.002416	8.36E-07	2.53E-06	2.00E-06	1.73E-06	7.76E-07	2.79E-08	6.75E-07	4.74E-07	4.10E-07	1.22E-07	1.71E-06
494711.06, 3859401.99	0.01194	0.002418	8.37E-07	2.53E-06	2.00E-06	1.73E-06	7.77E-07	2.80E-08	6.75E-07	4.74E-07	4.11E-07	1.23E-07	1.71E-06
494761.06, 3859401.99	0.0116	0.00235	8.13E-07	2.46E-06	1.94E-06	1.68E-06	7.55E-07	2.72E-08	6.56E-07	4.61E-07	3.99E-07	1.19E-07	1.66E-06
494811.06, 3859401.99	0.01179	0.002388	8.27E-07	2.50E-06	1.97E-06	1.71E-06	7.67E-07	2.76E-08	6.67E-07	4.68E-07	4.05E-07	1.21E-07	1.69E-06

494861.06, 3859401.99	0.01169	0.002368	8.20E-07	2.47E-06	1.95E-06	1.69E-06	7.61E-07	2.74E-08	6.61E-07	4.64E-07	4.02E-07	1.20E-07	1.67E-06
494911.06, 3859401.99	0.01156	0.002342	8.11E-07	2.45E-06	1.93E-06	1.67E-06	7.52E-07	2.71E-08	6.54E-07	4.59E-07	3.97E-07	1.19E-07	1.66E-06
494961.06, 3859401.99	0.01168	0.002366	8.19E-07	2.47E-06	1.95E-06	1.69E-06	7.60E-07	2.73E-08	6.61E-07	4.64E-07	4.02E-07	1.20E-07	1.67E-06
495011.06, 3859401.99	0.01173	0.002376	8.22E-07	2.48E-06	1.96E-06	1.70E-06	7.63E-07	2.75E-08	6.63E-07	4.66E-07	4.03E-07	1.20E-07	1.68E-06
495061.06, 3859401.99	0.01165	0.00236	8.17E-07	2.47E-06	1.95E-06	1.69E-06	7.58E-07	2.73E-08	6.59E-07	4.63E-07	4.01E-07	1.20E-07	1.67E-06
495111.06, 3859401.99	0.01167	0.002364	8.18E-07	2.47E-06	1.95E-06	1.69E-06	7.59E-07	2.73E-08	6.60E-07	4.64E-07	4.01E-07	1.20E-07	1.67E-06
495161.06, 3859401.99	0.01185	0.0024	8.31E-07	2.51E-06	1.98E-06	1.71E-06	7.71E-07	2.77E-08	6.70E-07	4.71E-07	4.07E-07	1.22E-07	1.70E-06
495211.06, 3859401.99	0.01193	0.002416	8.36E-07	2.53E-06	2.00E-06	1.73E-06	7.76E-07	2.79E-08	6.75E-07	4.74E-07	4.10E-07	1.22E-07	1.71E-06
495261.06, 3859401.99	0.01197	0.002425	8.39E-07	2.53E-06	2.00E-06	1.73E-06	7.79E-07	2.80E-08	6.77E-07	4.76E-07	4.12E-07	1.23E-07	1.72E-06
495311.06, 3859401.99	0.012	0.002431	8.41E-07	2.54E-06	2.01E-06	1.74E-06	7.81E-07	2.81E-08	6.79E-07	4.77E-07	4.13E-07	1.23E-07	1.72E-06
495361.06, 3859401.99	0.01209	0.002449	8.48E-07	2.56E-06	2.02E-06	1.75E-06	7.87E-07	2.83E-08	6.84E-07	4.80E-07	4.16E-07	1.24E-07	1.73E-06
495411.06, 3859401.99	0.01214	0.002459	8.51E-07	2.57E-06	2.03E-06	1.76E-06	7.90E-07	2.84E-08	6.87E-07	4.82E-07	4.17E-07	1.25E-07	1.74E-06
495461.06, 3859401.99	0.01215	0.002461	8.52E-07	2.57E-06	2.03E-06	1.76E-06	7.91E-07	2.84E-08	6.87E-07	4.83E-07	4.18E-07	1.25E-07	1.74E-06
495511.06, 3859401.99	0.01213	0.002457	8.51E-07	2.57E-06	2.03E-06	1.76E-06	7.89E-07	2.84E-08	6.86E-07	4.82E-07	4.17E-07	1.24E-07	1.74E-06
495561.06, 3859401.99	0.01208	0.002447	8.47E-07	2.56E-06	2.02E-06	1.75E-06	7.86E-07	2.83E-08	6.83E-07	4.80E-07	4.15E-07	1.24E-07	1.73E-06
495611.06, 3859401.99	0.01209	0.002449	8.48E-07	2.56E-06	2.02E-06	1.75E-06	7.87E-07	2.83E-08	6.84E-07	4.80E-07	4.16E-07	1.24E-07	1.73E-06
495661.06, 3859401.99	0.01212	0.002455	8.50E-07	2.57E-06	2.03E-06	1.75E-06	7.89E-07	2.84E-08	6.85E-07	4.82E-07	4.17E-07	1.24E-07	1.74E-06
494311.06, 3859451.99	0.0127	0.002572	8.90E-07	2.69E-06	2.12E-06	1.84E-06	8.26E-07	2.97E-08	7.18E-07	5.05E-07	4.37E-07	1.30E-07	1.82E-06
494361.06, 3859451.99	0.01266	0.002564	8.88E-07	2.68E-06	2.12E-06	1.83E-06	8.24E-07	2.96E-08	7.16E-07	5.03E-07	4.35E-07	1.30E-07	1.81E-06
494411.06, 3859451.99	0.01253	0.002538	8.79E-07	2.65E-06	2.10E-06	1.81E-06	8.15E-07	2.93E-08	7.09E-07	4.98E-07	4.31E-07	1.29E-07	1.80E-06
494461.06, 3859451.99	0.01262	0.002556	8.85E-07	2.67E-06	2.11E-06	1.83E-06	8.21E-07	2.95E-08	7.14E-07	5.01E-07	4.34E-07	1.30E-07	1.81E-06
494511.06, 3859451.99	0.01262	0.002556	8.85E-07	2.67E-06	2.11E-06	1.83E-06	8.21E-07	2.95E-08	7.14E-07	5.01E-07	4.34E-07	1.30E-07	1.81E-06
494561.06, 3859451.99	0.01265	0.002562	8.87E-07	2.68E-06	2.12E-06	1.83E-06	8.23E-07	2.96E-08	7.15E-07	5.03E-07	4.35E-07	1.30E-07	1.81E-06
494611.06, 3859451.99	0.01273	0.002579	8.93E-07	2.70E-06	2.13E-06	1.84E-06	8.28E-07	2.98E-08	7.20E-07	5.06E-07	4.38E-07	1.31E-07	1.82E-06
494661.06, 3859451.99	0.01271	0.002574	8.91E-07	2.69E-06	2.13E-06	1.84E-06	8.27E-07	2.98E-08	7.19E-07	5.05E-07	4.37E-07	1.30E-07	1.82E-06
494711.06, 3859451.99	0.01269	0.00257	8.90E-07	2.69E-06	2.12E-06	1.84E-06	8.26E-07	2.97E-08	7.18E-07	5.04E-07	4.36E-07	1.30E-07	1.82E-06
494761.06, 3859451.99	0.0127	0.002572	8.90E-07	2.69E-06	2.12E-06	1.84E-06	8.26E-07	2.97E-08	7.18E-07	5.05E-07	4.37E-07	1.30E-07	1.82E-06
494811.06, 3859451.99	0.01263	0.002558	8.86E-07	2.67E-06	2.11E-06	1.83E-06	8.22E-07	2.96E-08	7.14E-07	5.02E-07	4.34E-07	1.30E-07	1.81E-06
494861.06, 3859451.99	0.01258	0.002548	8.82E-07	2.66E-06	2.10E-06	1.82E-06	8.19E-07	2.95E-08	7.11E-07	5.00E-07	4.33E-07	1.29E-07	1.80E-06
494911.06, 3859451.99	0.01256	0.002544	8.81E-07	2.66E-06	2.10E-06	1.82E-06	8.17E-07	2.94E-08	7.10E-07	4.99E-07	4.32E-07	1.29E-07	1.80E-06
494961.06, 3859451.99	0.01259	0.00255	8.83E-07	2.67E-06	2.11E-06	1.82E-06	8.19E-07	2.95E-08	7.12E-07	5.00E-07	4.33E-07	1.29E-07	1.80E-06
495011.06, 3859451.99	0.01261	0.002554	8.84E-07	2.67E-06	2.11E-06	1.82E-06	8.20E-07	2.95E-08	7.13E-07	5.01E-07	4.34E-07	1.29E-07	1.81E-06
495061.06, 3859451.99	0.01263	0.002558	8.86E-07	2.67E-06	2.11E-06	1.83E-06	8.22E-07	2.96E-08	7.14E-07	5.02E-07	4.34E-07	1.30E-07	1.81E-06
495111.06, 3859451.99	0.01265	0.002562	8.87E-07	2.68E-06	2.12E-06	1.83E-06	8.23E-07	2.96E-08	7.15E-07	5.03E-07	4.35E-07	1.30E-07	1.81E-06
495161.06, 3859451.99	0.01272	0.002576	8.92E-07	2.69E-06	2.13E-06	1.84E-06	8.28E-07	2.98E-08	7.19E-07	5.05E-07	4.37E-07	1.31E-07	1.82E-06
495211.06, 3859451.99	0.01281	0.002595	8.98E-07	2.71E-06	2.14E-06	1.85E-06	8.34E-07	3.00E-08	7.24E-07	5.09E-07	4.40E-07	1.31E-07	1.84E-06
495261.06, 3859451.99	0.01289	0.002611	9.04E-07	2.73E-06	2.16E-06	1.87E-06	8.39E-07	3.02E-08	7.29E-07	5.12E-07	4.43E-07	1.32E-07	1.85E-06
495311.06, 3859451.99	0.01292	0.002617	9.06E-07	2.74E-06	2.16E-06	1.87E-06	8.41E-07	3.03E-08	7.31E-07	5.13E-07	4.44E-07	1.33E-07	1.85E-06
495361.06, 3859451.99	0.01296	0.002625	9.09E-07	2.74E-06	2.17E-06	1.88E-06	8.43E-07	3.03E-08	7.33E-07	5.15E-07	4.46E-07	1.33E-07	1.86E-06
495411.06, 3859451.99	0.01299	0.002631	9.11E-07	2.75E-06	2.17E-06	1.88E-06	8.45E-07	3.04E-08	7.35E-07	5.16E-07	4.47E-07	1.33E-07	1.86E-06
495461.06, 3859451.99	0.01303	0.002639	9.14E-07	2.76E-06	2.18E-06	1.89E-06	8.48E-07	3.05E-08	7.37E-07	5.18E-07	4.48E-07	1.34E-07	1.87E-06
495511.06, 3859451.99	0.01298	0.002629	9.10E-07	2.75E-06	2.17E-06	1.88E-06	8.45E-07	3.04E-08	7.34E-07	5.16E-07	4.46E-07	1.33E-07	1.86E-06
495561.06, 3859451.99	0.01298	0.002629	9.10E-07	2.75E-06	2.17E-06	1.88E-06	8.45E-07	3.04E-08	7.34E-07	5.16E-07	4.46E-07	1.33E-07	1.86E-06
495611.06, 3859451.99	0.01298	0.002629	9.10E-07	2.75E-06	2.17E-06	1.88E-06	8.45E-07	3.04E-08	7.34E-07	5.16E-07	4.46E-07	1.33E-07	1.86E-06
495661.06, 3859451.99	0.01299	0.002631	9.11E-07	2.75E-06	2.17E-06	1.88E-06	8.45E-07	3.04E-08	7.35E-07	5.16E-07	4.47E-07	1.33E-07	1.86E-06
494311.06, 3859501.99	0.01359	0.002753	9.53E-07	2.88E-06	2.27E-06	1.97E-06	8.84E-07	3.18E-08	7.69E-07	5.40E-07	4.67E-07	1.39E-07	1.95E-06
494361.06, 3859501.99	0.01352	0.002739	9.48E-07	2.86E-06	2.26E-06	1.96E-06	8.80E-07	3.17E-08	7.65E-07	5.37E-07	4.65E-07	1.39E-07	1.94E-06
494411.06, 3859501.99	0.01329	0.002692	9.32E-07	2.81E-06	2.22E-06	1.92E-06	8.65E-07	3.11E-08	7.52E-07	5.28E-07	4.57E-07	1.36E-07	1.90E-06
494461.06, 3859501.99	0.01351	0.002736	9.47E-07	2.86E-06	2.26E-06	1.95E-06	8.79E-07	3.16E-08	7.64E-07	5.37E-07	4.64E-07	1.39E-07	1.94E-06
494511.06, 3859501.99	0.01348	0.00273	9.45E-07	2.85E-06	2.25E-06	1.95E-06	8.77E-07	3.16E-08	7.62E-07	5.36E-07	4.63E-07	1.38E-07	1.93E-06
494561.06, 3859501.99	0.01347	0.002728	9.44E-07	2.85E-06	2.25E-06	1.95E-06	8.76E-07	3.15E-08	7.62E-07	5.35E-07	4.63E-07	1.38E-07	1.93E-06
494611.06, 3859501.99	0.01367	0.002769	9.58E-07	2.89E-06	2.29E-06	1.98E-06	8.89E-07	3.20E-08	7.73E-07	5.43E-07	4.70E-07	1.40E-07	1.96E-06
494661.06, 3859501.99	0.01361	0.002757	9.54E-07	2.88E-06	2.28E-06	1.97E-06	8.86E-07	3.19E-08	7.70E-07	5.41E-07	4.68E-07	1.40E-07	1.95E-06
494711.06, 3859501.99	0.01351	0.002736	9.47E-07	2.86E-06	2.26E-06	1.95E-06	8.79E-07	3.16E-08	7.64E-07	5.37E-07	4.64E-07	1.39E-07	1.94E-06
494761.06, 3859501.99	0.01364	0.002763	9.56E-07	2.89E-06	2.28E-06	1.97E-06	8.88E-07	3.19E-08	7.71E-07	5.42E-07	4.69E-07	1.40E-07	1.95E-06
494811.06, 3859501.99	0.01346	0.002726	9.44E-07	2.85E-06	2.25E-06	1.95E-06	8.76E-07	3.15E-08	7.61E-07	5.35E-07	4.63E-07	1.38E-07	1.93E-06
494861.06, 3859501.99	0.01347	0.002728	9.44E-07	2.85E-06	2.25E-06	1.95E-06	8.76E-07	3.15E-08	7.62E-07	5.35E-07	4.63E-07	1.38E-07	1.93E-06
494911.06, 3859501.99	0.01352	0.002739	9.48E-07	2.86E-06	2.26E-06	1.96E-06	8.80E-07	3.17E-08	7.65E-07	5.37E-07	4.65E-07	1.39E-07	1.94E-06
494961.06, 3859501.99	0.01348	0.00273	9.45E-07	2.85E-06	2.25E-06	1.95E-06	8.77E-07	3.16E-08	7.62E-07	5.36E-07	4.63E-07	1.38E-07	1.93E-06
495011.06, 3859501.99	0.01354	0.002743	9.49E-07	2.87E-06	2.26E-06	1.96E-06	8.81E-07	3.17E-08	7.66E-07	5.38E-07	4.66E-07	1.39E-07	1.94E-06
495061.06, 3859501.99	0.0136	0.002755	9.54E-07	2.88E-06	2.27E-06	1.97E-06	8.85E-07	3.18E-08	7.69E-07	5.40E-07	4.68E-07	1.40E-07	1.95E-06
495111.06, 3859501.99	0.01358	0.002751	9.52E-07	2.88E-06	2.27E-06	1.97E-06	8.84E-07	3.18E-08	7.68E-07	5.40E-07	4.67E-07	1.39E-07	1.95E-06
495161.06, 3859501.99	0.01366	0.002767	9.58E-07	2.89E-06	2.28E-06	1.98E-06	8.89E-07	3.20E-08	7.73E-07	5.43E-07	4.70E-07	1.40E-07	1.96E-06
495211.06, 3859501.99	0.01376	0.002787	9.65E-07	2.91E-06	2.30E-06	1.99E-06	8.95E-07	3.22E-08	7.78E-07	5.47E-07	4.73E-07	1.41E-07	1.97E-06
495261.06, 3859501.99	0.01382	0.002799	9.69E-07	2.93E-06	2.31E-06	2.00E-06	8.99E-07	3.24E-08	7.82E-07	5.49E-07	4.75E-07	1.42E-07	1.98E-06
495311.06, 3859501.99	0.0139	0.002815	9.75E-07	2.94E-06	2.32E-06	2.01E-06	9.04E-07	3.25E-08	7.86E-07	5.52E-07	4.78E-07	1.43E-07	1.99E-06
495361.06, 3859501.99	0.01394	0.002824	9.77E-07	2.95E-06	2.33E-06	2.02E-06	9.07E-07	3.26E-08	7.88E-07	5.54E-07	4.79E-07	1.43E-07	2.00E-06
495411.06, 3859501.99	0.01399	0.002834	9.81E-07	2.96E-06	2.34E-06	2.02E-06	9.10E-07	3.28E-08	7.91E-07	5.56E-07	4.81E-07	1.44E-07	2.00E-06
495461.06, 3859501.99	0.01401	0.002838	9.82E-07	2.97E-06	2.34E-06	2.03E-06	9.12E-07	3.28E-08	7.92E-07	5.57E-07	4.82E-07	1.44E-07	2.01E-06
495511.06, 3859501.99	0.01374	0.002783	9.63E-07	2.91E-06	2.30E-06	1.99E-06	8.94E-07	3.22E-08	7.77E-07	5.46E-07	4.72E-07	1.41E-07	1.97E-06
495561.06, 3859501.99	0.01397	0.00283	9.80E-07	2.96E-06	2.34E-06	2.02E-06	9.09E-07	3.27E-08	7.90E-07	5.55E-07	4.80E-07	1.43E-07	2.00E-06
495611.06, 3859501.99	0.01396	0.002828	9.79E-07	2.96E-06	2.33E-06	2.02E-06	9.08E-07	3.27E-08	7.90E-07	5.55E-07	4.80E-07	1.43E-07	2.00E-06
495661.06, 3859501.99	0.01394	0.002824	9.77E-07	2.95E-06	2.33E-06	2.02E-06	9.07E-07	3.26E-08	7.88E-07	5.54E-07	4.79E-07	1.43E-07	2.00E-06
494311.06, 3859551.99	0.01454	0.002945	1.02E-06	3.08E-06	2.43E-06	2.10E-06	9.46E-07	3.40E-08	8.22E-07	5.78E-07	5.00E-07	1.49E-07	2.08E-06
494361.06, 3859551.99	0.01395	0.002826	9.78E-07	2.95E-06	2.33E-06	2.02E-06	9.08E-07	3.27E-08	7.89E-07	5.54E-07	4.80E-07	1.43E-07	2.00E-06
494411.06, 3859551.99	0.01395	0.002826	9.78E-07	2.95E-06	2.33E-06	2.02E-06	9.08E-07	3.27E-08	7.89E-07	5.54E-07	4.80E-07	1.43E-07	2.00E-06
494461.06, 3859551.99	0.01445	0.002927	1.01E-06	3.06E-06	2.42E-06	2.09E-06	9.40E-07	3.38E-08	8.17E-07	5.74E-07	4.97E-07	1.48E-07	2.07E-06
494511.06, 3859551.99	0.01442	0.002921	1.01E-06	3.05E-06	2.41E-06	2.09E-06	9.38E-07	3.38E-08	8.16E-07	5.73E-07	4.96E-07	1.48E-07	2.07E-06
494561.06, 3859551.99	0.01444	0.002925	1.01E-06	3.06E-06	2.41E-06	2.09E-06	9.40E-07	3.38E-08	8.17E-07	5.74E-07	4.96E-07	1.48E-07	2.07E-06
494611.06, 3859551.99	0.01455	0.002947	1.02E-06	3.08E-06	2.43E-06	2.11E-06	9.47E-07	3.41E-08	8.23E-07	5.78E-07	5.00E-07	1.49E-07	2.08E-06
494661.06, 3859551.99	0.01461	0.002959	1.02E-06	3.09E-06	2.44E-06	2.11E-06	9.51E-07	3.42E-08	8.26E-07	5.81E-07	5.02E-07	1.50E-07	2.09E-06
494711.06, 3859551.99	0.01433	0.002903	1.00E-06	3.03E-06	2.40E-06	2.07E-06	9.32E-07	3.36E-08	8.10E-07	5.69E-07	4.93E-07	1.47E-07	2.05E-06
494761.06, 3859551.99	0.01463	0.002963	1.03E-06	3.10E-06	2.45E-06	2.12E-06	9.52E-07	3.43E-08	8.27E-07	5.81E-07	5.03E-07	1.50E-07	2.10E-06
494811.06, 3859551.99	0.01447	0.002931	1.01E-06	3.06E-06	2.42E-06	2.09E-06	9.42E-07	3.39E-08	8.18E-07	5.75E-07	4.97E-07	1.49E-07	2.07E-06
494861.06, 3859551.99	0.0145	0.002937	1.02E-06	3.07E-06	2.42E-06	2.10E-06	9.43E-07	3.40E-08	8.20E-07	5.76E-07	4.99E-07	1.49E-07	2.08E-06
494911.06, 3859551.99	0.01447	0.002931	1.01E-06	3.06E-06	2.42E-06	2.09E-06	9.42E-07	3.39E-08	8.18E-07	5.75E-07	4.97E-07	1.49E-07	2.07E-06
494961.06, 3859551.99	0.01453	0.002943	1.02E-06	3.08E-06	2.43E-06	2.10E-06	9.45E-07	3.40E-08	8.22E-07	5.77E-07	5.00E-07	1.49E-07	2.08E-06
495011.06, 3859551.99	0.01463	0.002963	1.03E-06	3.10E-06	2.45E-06	2.12E-06	9.52E-07	3.43E-08	8.27E-07	5.81E-07	5.03E-07	1.50E-07	2.10E-06
495061.06, 3859551.99	0.01466	0.002969	1.03E-06	3.10E-06	2.45E-06	2.12E-06	9.54E-07	3.43E-08	8.29E-07	5.83E-07	5.04E-07	1.50E-07	2.10E-06
495111.06, 3859551.99	0.01466	0.002969	1.03E-06	3.10E-06	2.45E-06	2.12E-06	9.54E-07	3.43E-08	8.29E-07	5.83E-07	5.04E-07	1.50E-07	2.10E-06
495161.06, 3859551.99	0.01476	0.00299	1.03E-06	3.12E-06	2.47E-06	2.14E-06	9.60E-07	3.46E-08	8.35E-07	5.86E-07	5.07E-07	1.51E-07	2.11E-06
495211.06, 3859551.99	0.01488	0.003014	1.04E-06	3.15E-06	2.49E-06	2.15E-06	9.68E-07	3.48E-08	8.42E-07	5.91E-07	5.12E-07	1.53E-07	2.13E-06
495261.06, 3859551.99	0.01489	0.003016	1.04E-06	3.15E-06	2.49E-06	2.15E-06	9.69E-07	3.49E-08	8.42E-07	5.92E-07	5.12E-07	1.53E-07	2.13E-06
495311.06, 3859551.99	0.01493	0.003024	1.05E-06	3.16E-06	2.50E-06	2.16E-06	9.71E-07	3.50E-08	8.44E-07	5.93E-07	5.13E-07	1.53E-07	2.14E-06
495361.06, 3859551.99	0.015	0.003038	1.05E-06	3.18E-06	2.51E-06	2.17E-06	9.76E-07	3.51E-08	8.48E-07	5.96E-07	5.16E-07	1.54E-07	2.15E-06
495411.06, 3859551.99	0.01508	0.003055	1.06E-06	3.19E-06	2.52E-06	2.18E-06	9.81E-07	3.53E-08	8.53E-07	5.99E-07	5.18E-07	1.55E-07	2.16E-06
495461.06, 3859551.99	0.01503	0.003044	1.05E-06	3.18E-06	2.51E-06	2.17E-06	9.78E-07	3.52E-08	8.50E-07	5.97E-07	5.17E-07	1.54E-07	2.15E-06
495511.06, 3859551.99	0.01498	0.003034	1.05E-06	3.17E-06	2.51E-06	2.17E-06	9.75E-07	3.51E-08	8.47E-07	5.95E-07	5.15E-07	1.54E-07	2.15E-06
495561.06, 3859551.99	0.01499	0.003036	1.05E-06	3.17E-06	2.51E-06	2.17E-06	9.75E-07	3.51E-08	8.48E-07	5.96E-07	5.15E-07	1.54E-07	2.15E-06

495611.06, 3859551.99	0.01501	0.00304	1.05E-06	3.18E-06	2.51E-06	2.17E-06	9.77E-07	3.51E-08	8.49E-07	5.96E-07	5.16E-07	1.54E-07	2.15E-06
495661.06, 3859551.99	0.01499	0.003036	1.05E-06	3.17E-06	2.51E-06	2.17E-06	9.75E-07	3.51E-08	8.48E-07	5.96E-07	5.15E-07	1.54E-07	2.15E-06
494311.06, 3859601.99	0.01569	0.003178	1.10E-06	3.32E-06	2.62E-06	2.27E-06	1.02E-06	3.67E-08	8.87E-07	6.23E-07	5.39E-07	1.61E-07	2.25E-06
494361.06, 3859601.99	0.01508	0.003055	1.06E-06	3.19E-06	2.52E-06	2.18E-06	9.81E-07	3.53E-08	8.53E-07	5.99E-07	5.18E-07	1.55E-07	2.16E-06
494411.06, 3859601.99	0.01519	0.003077	1.07E-06	3.22E-06	2.54E-06	2.20E-06	9.88E-07	3.56E-08	8.59E-07	6.04E-07	5.22E-07	1.56E-07	2.18E-06
494461.06, 3859601.99	0.01552	0.003144	1.09E-06	3.29E-06	2.60E-06	2.25E-06	1.01E-06	3.63E-08	8.78E-07	6.17E-07	5.34E-07	1.59E-07	2.22E-06
494511.06, 3859601.99	0.01536	0.003111	1.08E-06	3.25E-06	2.57E-06	2.22E-06	9.99E-07	3.60E-08	8.69E-07	6.10E-07	5.28E-07	1.58E-07	2.20E-06
494561.06, 3859601.99	0.01559	0.003158	1.09E-06	3.30E-06	2.61E-06	2.26E-06	1.01E-06	3.65E-08	8.82E-07	6.19E-07	5.36E-07	1.60E-07	2.23E-06
494611.06, 3859601.99	0.01573	0.003186	1.10E-06	3.33E-06	2.63E-06	2.28E-06	1.02E-06	3.68E-08	8.90E-07	6.25E-07	5.41E-07	1.61E-07	2.25E-06
494661.06, 3859601.99	0.01529	0.003097	1.07E-06	3.24E-06	2.56E-06	2.21E-06	9.95E-07	3.58E-08	8.65E-07	6.08E-07	5.26E-07	1.57E-07	2.19E-06
494711.06, 3859601.99	0.0154	0.003119	1.08E-06	3.26E-06	2.58E-06	2.23E-06	1.00E-06	3.61E-08	8.71E-07	6.12E-07	5.29E-07	1.58E-07	2.21E-06
494761.06, 3859601.99	0.01584	0.003208	1.11E-06	3.35E-06	2.65E-06	2.29E-06	1.03E-06	3.71E-08	8.96E-07	6.29E-07	5.45E-07	1.63E-07	2.27E-06
494811.06, 3859601.99	0.01564	0.003168	1.10E-06	3.31E-06	2.62E-06	2.26E-06	1.02E-06	3.66E-08	8.85E-07	6.21E-07	5.38E-07	1.61E-07	2.24E-06
494861.06, 3859601.99	0.01568	0.003176	1.10E-06	3.32E-06	2.62E-06	2.27E-06	1.02E-06	3.67E-08	8.87E-07	6.23E-07	5.39E-07	1.61E-07	2.25E-06
494911.06, 3859601.99	0.01557	0.003154	1.09E-06	3.30E-06	2.60E-06	2.25E-06	1.01E-06	3.65E-08	8.81E-07	6.19E-07	5.35E-07	1.60E-07	2.23E-06
494961.06, 3859601.99	0.0158	0.0032	1.11E-06	3.35E-06	2.64E-06	2.29E-06	1.03E-06	3.70E-08	8.94E-07	6.28E-07	5.43E-07	1.62E-07	2.26E-06
495011.06, 3859601.99	0.01567	0.003174	1.10E-06	3.32E-06	2.62E-06	2.27E-06	1.02E-06	3.67E-08	8.86E-07	6.23E-07	5.39E-07	1.61E-07	2.25E-06
495061.06, 3859601.99	0.01584	0.003208	1.11E-06	3.35E-06	2.65E-06	2.29E-06	1.03E-06	3.71E-08	8.96E-07	6.29E-07	5.45E-07	1.63E-07	2.27E-06
495111.06, 3859601.99	0.01581	0.003202	1.11E-06	3.35E-06	2.64E-06	2.29E-06	1.03E-06	3.70E-08	8.94E-07	6.28E-07	5.44E-07	1.62E-07	2.27E-06
495161.06, 3859601.99	0.01594	0.003229	1.12E-06	3.37E-06	2.67E-06	2.31E-06	1.04E-06	3.73E-08	9.02E-07	6.33E-07	5.48E-07	1.64E-07	2.28E-06
495211.06, 3859601.99	0.016	0.003241	1.12E-06	3.39E-06	2.68E-06	2.32E-06	1.04E-06	3.75E-08	9.05E-07	6.36E-07	5.50E-07	1.64E-07	2.29E-06
495261.06, 3859601.99	0.01609	0.003259	1.13E-06	3.41E-06	2.69E-06	2.33E-06	1.05E-06	3.77E-08	9.10E-07	6.39E-07	5.53E-07	1.65E-07	2.31E-06
495311.06, 3859601.99	0.01618	0.003277	1.13E-06	3.43E-06	2.71E-06	2.34E-06	1.05E-06	3.79E-08	9.15E-07	6.43E-07	5.56E-07	1.66E-07	2.32E-06
495361.06, 3859601.99	0.01622	0.003285	1.14E-06	3.43E-06	2.71E-06	2.35E-06	1.06E-06	3.80E-08	9.17E-07	6.44E-07	5.58E-07	1.66E-07	2.32E-06
495411.06, 3859601.99	0.0163	0.003302	1.14E-06	3.45E-06	2.73E-06	2.36E-06	1.06E-06	3.82E-08	9.22E-07	6.48E-07	5.60E-07	1.67E-07	2.34E-06
495461.06, 3859601.99	0.01619	0.003279	1.14E-06	3.43E-06	2.71E-06	2.34E-06	1.05E-06	3.79E-08	9.16E-07	6.43E-07	5.57E-07	1.66E-07	2.32E-06
495511.06, 3859601.99	0.0161	0.003261	1.13E-06	3.41E-06	2.69E-06	2.33E-06	1.05E-06	3.77E-08	9.11E-07	6.40E-07	5.54E-07	1.65E-07	2.31E-06
495561.06, 3859601.99	0.01621	0.003283	1.14E-06	3.43E-06	2.71E-06	2.35E-06	1.05E-06	3.80E-08	9.17E-07	6.44E-07	5.57E-07	1.66E-07	2.32E-06
495611.06, 3859601.99	0.01609	0.003259	1.13E-06	3.41E-06	2.69E-06	2.33E-06	1.05E-06	3.77E-08	9.10E-07	6.39E-07	5.53E-07	1.65E-07	2.31E-06
495661.06, 3859601.99	0.01616	0.003273	1.13E-06	3.42E-06	2.70E-06	2.34E-06	1.05E-06	3.78E-08	9.14E-07	6.42E-07	5.56E-07	1.66E-07	2.32E-06
494311.06, 3859651.99	0.01673	0.003389	1.17E-06	3.54E-06	2.80E-06	2.42E-06	1.09E-06	3.92E-08	9.46E-07	6.65E-07	5.75E-07	1.72E-07	2.40E-06
494361.06, 3859651.99	0.01632	0.003306	1.14E-06	3.46E-06	2.73E-06	2.36E-06	1.06E-06	3.82E-08	9.23E-07	6.48E-07	5.61E-07	1.67E-07	2.34E-06
494411.06, 3859651.99	0.0164	0.003322	1.15E-06	3.47E-06	2.74E-06	2.37E-06	1.07E-06	3.84E-08	9.28E-07	6.52E-07	5.64E-07	1.68E-07	2.35E-06
494461.06, 3859651.99	0.01676	0.003395	1.18E-06	3.55E-06	2.80E-06	2.43E-06	1.09E-06	3.92E-08	9.48E-07	6.66E-07	5.76E-07	1.72E-07	2.40E-06
494511.06, 3859651.99	0.01677	0.003397	1.18E-06	3.55E-06	2.80E-06	2.43E-06	1.09E-06	3.93E-08	9.48E-07	6.66E-07	5.77E-07	1.72E-07	2.40E-06
494561.06, 3859651.99	0.01688	0.003419	1.18E-06	3.57E-06	2.82E-06	2.44E-06	1.10E-06	3.95E-08	9.55E-07	6.71E-07	5.80E-07	1.73E-07	2.42E-06
494611.06, 3859651.99	0.01697	0.003437	1.19E-06	3.59E-06	2.84E-06	2.46E-06	1.10E-06	3.97E-08	9.60E-07	6.74E-07	5.83E-07	1.74E-07	2.43E-06
494661.06, 3859651.99	0.01628	0.003298	1.14E-06	3.45E-06	2.72E-06	2.36E-06	1.06E-06	3.81E-08	9.21E-07	6.47E-07	5.60E-07	1.67E-07	2.33E-06
494711.06, 3859651.99	0.01643	0.003328	1.15E-06	3.48E-06	2.75E-06	2.38E-06	1.07E-06	3.85E-08	9.29E-07	6.53E-07	5.65E-07	1.69E-07	2.35E-06
494761.06, 3859651.99	0.01698	0.003439	1.19E-06	3.59E-06	2.84E-06	2.46E-06	1.10E-06	3.98E-08	9.60E-07	6.75E-07	5.84E-07	1.74E-07	2.43E-06
494811.06, 3859651.99	0.01691	0.003425	1.19E-06	3.58E-06	2.83E-06	2.45E-06	1.10E-06	3.96E-08	9.56E-07	6.72E-07	5.81E-07	1.74E-07	2.42E-06
494861.06, 3859651.99	0.01701	0.003445	1.19E-06	3.60E-06	2.84E-06	2.46E-06	1.11E-06	3.98E-08	9.62E-07	6.76E-07	5.85E-07	1.75E-07	2.44E-06
494911.06, 3859651.99	0.017	0.003443	1.19E-06	3.60E-06	2.84E-06	2.46E-06	1.11E-06	3.98E-08	9.61E-07	6.75E-07	5.84E-07	1.74E-07	2.44E-06
494961.06, 3859651.99	0.01706	0.003456	1.20E-06	3.61E-06	2.85E-06	2.47E-06	1.11E-06	3.99E-08	9.65E-07	6.78E-07	5.87E-07	1.75E-07	2.44E-06
495011.06, 3859651.99	0.01708	0.00346	1.20E-06	3.62E-06	2.86E-06	2.47E-06	1.11E-06	4.00E-08	9.66E-07	6.79E-07	5.87E-07	1.75E-07	2.45E-06
495061.06, 3859651.99	0.0172	0.003484	1.21E-06	3.64E-06	2.88E-06	2.49E-06	1.12E-06	4.03E-08	9.73E-07	6.83E-07	5.91E-07	1.77E-07	2.46E-06
495111.06, 3859651.99	0.0172	0.003484	1.21E-06	3.64E-06	2.88E-06	2.49E-06	1.12E-06	4.03E-08	9.73E-07	6.83E-07	5.91E-07	1.77E-07	2.46E-06
495161.06, 3859651.99	0.01727	0.003498	1.21E-06	3.66E-06	2.89E-06	2.50E-06	1.12E-06	4.04E-08	9.77E-07	6.86E-07	5.94E-07	1.77E-07	2.47E-06
495211.06, 3859651.99	0.01738	0.00352	1.22E-06	3.68E-06	2.91E-06	2.51E-06	1.13E-06	4.07E-08	9.83E-07	6.91E-07	5.98E-07	1.78E-07	2.49E-06
495261.06, 3859651.99	0.01742	0.003528	1.22E-06	3.69E-06	2.91E-06	2.52E-06	1.13E-06	4.08E-08	9.85E-07	6.92E-07	5.99E-07	1.79E-07	2.50E-06
495311.06, 3859651.99	0.01749	0.003543	1.23E-06	3.70E-06	2.92E-06	2.53E-06	1.14E-06	4.10E-08	9.89E-07	6.95E-07	6.01E-07	1.80E-07	2.51E-06
495361.06, 3859651.99	0.01757	0.003559	1.23E-06	3.72E-06	2.94E-06	2.54E-06	1.14E-06	4.11E-08	9.94E-07	6.98E-07	6.04E-07	1.80E-07	2.52E-06
495411.06, 3859651.99	0.0176	0.003565	1.23E-06	3.73E-06	2.94E-06	2.55E-06	1.15E-06	4.12E-08	9.95E-07	6.99E-07	6.05E-07	1.81E-07	2.52E-06
495461.06, 3859651.99	0.01748	0.003541	1.23E-06	3.70E-06	2.92E-06	2.53E-06	1.14E-06	4.09E-08	9.89E-07	6.95E-07	6.01E-07	1.79E-07	2.50E-06
495511.06, 3859651.99	0.01741	0.003526	1.22E-06	3.69E-06	2.91E-06	2.52E-06	1.13E-06	4.08E-08	9.85E-07	6.92E-07	5.99E-07	1.79E-07	2.49E-06
495561.06, 3859651.99	0.01746	0.003537	1.22E-06	3.70E-06	2.92E-06	2.53E-06	1.14E-06	4.09E-08	9.87E-07	6.94E-07	6.00E-07	1.79E-07	2.50E-06
495611.06, 3859651.99	0.01746	0.003537	1.22E-06	3.70E-06	2.92E-06	2.53E-06	1.14E-06	4.09E-08	9.87E-07	6.94E-07	6.00E-07	1.79E-07	2.50E-06
495661.06, 3859651.99	0.01745	0.003535	1.22E-06	3.69E-06	2.92E-06	2.53E-06	1.14E-06	4.09E-08	9.87E-07	6.93E-07	6.00E-07	1.79E-07	2.50E-06
494311.06, 3859701.99	0.01709	0.003462	1.20E-06	3.62E-06	2.86E-06	2.47E-06	1.11E-06	4.00E-08	9.67E-07	6.79E-07	5.88E-07	1.75E-07	2.45E-06
494361.06, 3859701.99	0.01739	0.003522	1.22E-06	3.68E-06	2.91E-06	2.52E-06	1.13E-06	4.07E-08	9.84E-07	6.91E-07	5.98E-07	1.78E-07	2.49E-06
494411.06, 3859701.99	0.01761	0.003567	1.23E-06	3.73E-06	2.94E-06	2.55E-06	1.15E-06	4.12E-08	9.96E-07	7.00E-07	6.05E-07	1.81E-07	2.52E-06
494461.06, 3859701.99	0.01813	0.003672	1.27E-06	3.84E-06	3.03E-06	2.62E-06	1.18E-06	4.24E-08	1.03E-06	7.20E-07	6.23E-07	1.86E-07	2.60E-06
494511.06, 3859701.99	0.01819	0.003684	1.28E-06	3.85E-06	3.04E-06	2.63E-06	1.18E-06	4.26E-08	1.03E-06	7.23E-07	6.25E-07	1.87E-07	2.61E-06
494561.06, 3859701.99	0.01833	0.003713	1.29E-06	3.88E-06	3.07E-06	2.65E-06	1.19E-06	4.29E-08	1.04E-06	7.28E-07	6.30E-07	1.88E-07	2.63E-06
494611.06, 3859701.99	0.01846	0.003739	1.29E-06	3.91E-06	3.09E-06	2.67E-06	1.20E-06	4.32E-08	1.04E-06	7.33E-07	6.35E-07	1.89E-07	2.64E-06
494661.06, 3859701.99	0.01801	0.003648	1.26E-06	3.81E-06	3.01E-06	2.61E-06	1.17E-06	4.22E-08	1.02E-06	7.16E-07	6.19E-07	1.85E-07	2.58E-06
494711.06, 3859701.99	0.01829	0.003705	1.28E-06	3.87E-06	3.06E-06	2.65E-06	1.19E-06	4.28E-08	1.03E-06	7.27E-07	6.29E-07	1.88E-07	2.62E-06
494761.06, 3859701.99	0.01828	0.003703	1.28E-06	3.87E-06	3.06E-06	2.65E-06	1.19E-06	4.28E-08	1.03E-06	7.26E-07	6.28E-07	1.88E-07	2.62E-06
494811.06, 3859701.99	0.01825	0.003697	1.28E-06	3.86E-06	3.05E-06	2.64E-06	1.19E-06	4.27E-08	1.03E-06	7.25E-07	6.27E-07	1.87E-07	2.61E-06
494861.06, 3859701.99	0.01851	0.003749	1.30E-06	3.92E-06	3.10E-06	2.68E-06	1.20E-06	4.33E-08	1.05E-06	7.35E-07	6.36E-07	1.90E-07	2.65E-06
494911.06, 3859701.99	0.0185	0.003747	1.30E-06	3.92E-06	3.09E-06	2.68E-06	1.20E-06	4.33E-08	1.05E-06	7.35E-07	6.36E-07	1.90E-07	2.65E-06
494961.06, 3859701.99	0.01849	0.003745	1.30E-06	3.91E-06	3.09E-06	2.68E-06	1.20E-06	4.33E-08	1.05E-06	7.35E-07	6.36E-07	1.90E-07	2.65E-06
495011.06, 3859701.99	0.01862	0.003772	1.31E-06	3.94E-06	3.11E-06	2.69E-06	1.21E-06	4.36E-08	1.05E-06	7.40E-07	6.40E-07	1.91E-07	2.67E-06
495061.06, 3859701.99	0.01868	0.003784	1.31E-06	3.95E-06	3.12E-06	2.70E-06	1.22E-06	4.37E-08	1.06E-06	7.42E-07	6.42E-07	1.92E-07	2.68E-06
495111.06, 3859701.99	0.01873	0.003794	1.31E-06	3.97E-06	3.13E-06	2.71E-06	1.22E-06	4.39E-08	1.06E-06	7.44E-07	6.44E-07	1.92E-07	2.68E-06
495161.06, 3859701.99	0.01875	0.003798	1.31E-06	3.97E-06	3.14E-06	2.71E-06	1.22E-06	4.39E-08	1.06E-06	7.45E-07	6.45E-07	1.92E-07	2.69E-06
495211.06, 3859701.99	0.01875	0.003798	1.31E-06	3.97E-06	3.14E-06	2.71E-06	1.22E-06	4.39E-08	1.06E-06	7.45E-07	6.45E-07	1.92E-07	2.69E-06
495261.06, 3859701.99	0.01895	0.003838	1.33E-06	4.01E-06	3.17E-06	2.74E-06	1.23E-06	4.44E-08	1.07E-06	7.53E-07	6.52E-07	1.94E-07	2.72E-06
495311.06, 3859701.99	0.01895	0.003838	1.33E-06	4.01E-06	3.17E-06	2.74E-06	1.23E-06	4.44E-08	1.07E-06	7.53E-07	6.52E-07	1.94E-07	2.72E-06
495361.06, 3859701.99	0.01897	0.003842	1.33E-06	4.02E-06	3.17E-06	2.74E-06	1.23E-06	4.44E-08	1.07E-06	7.54E-07	6.52E-07	1.95E-07	2.72E-06
495411.06, 3859701.99	0.0189	0.003828	1.33E-06	4.00E-06	3.16E-06	2.73E-06	1.23E-06	4.43E-08	1.07E-06	7.51E-07	6.50E-07	1.94E-07	2.71E-06
495461.06, 3859701.99	0.01889	0.003826	1.32E-06	4.00E-06	3.16E-06	2.73E-06	1.23E-06	4.42E-08	1.07E-06	7.51E-07	6.49E-07	1.94E-07	2.71E-06
495511.06, 3859701.99	0.01868	0.003784	1.31E-06	3.95E-06	3.12E-06	2.70E-06	1.22E-06	4.37E-08	1.06E-06	7.42E-07	6.42E-07	1.92E-07	2.68E-06
495561.06, 3859701.99	0.01889	0.003826	1.32E-06	4.00E-06	3.16E-06	2.73E-06	1.23E-06	4.42E-08	1.07E-06	7.51E-07	6.49E-07	1.94E-07	2.71E-06
495611.06, 3859701.99	0.0189	0.003828	1.33E-06	4.00E-06	3.16E-06	2.73E-06	1.23E-06	4.43E-08	1.07E-06	7.51E-07	6.50E-07	1.94E-07	2.71E-06
495661.06, 3859701.99	0.0189	0.003828	1.33E-06	4.00E-06	3.16E-06	2.73E-06	1.23E-06	4.43E-08	1.07E-06	7.51E-07	6.50E-07	1.94E-07	2.71E-06
494311.06, 3859751.99	0.01901	0.003851	1.33E-06	4.02E-06	3.18E-06	2.75E-06	1.24E-06	4.45E-08	1.08E-06	7.55E-07	6.54E-07	1.95E-07	2.72E-06
494361.06, 3859751.99	0.01908	0.003865	1.34E-06	4.04E-06	3.19E-06	2.76E-06	1.24E-06	4.47E-08	1.08E-06	7.58E-07	6.56E-07	1.96E-07	2.73E-06
494411.06, 3859751.99	0.01909	0.003867	1.34E-06	4.04E-06	3.19E-06	2.76E-06	1.24E-06	4.47E-08	1.08E-06	7.59E-07	6.56E-07	1.96E-07	2.74E-06
494461.06, 3859751.99	0.01958	0.003966	1.37E-06	4.15E-06	3.27E-06	2.83E-06	1.27E-06	4.58E-08	1.11E-06	7.78E-07	6.73E-07	2.01E-07	2.81E-06
494511.06, 3859751.99	0.0199	0.004031	1.40E-06	4.21E-06	3.33E-06	2.88E-06	1.29E-06	4.66E-08	1.13E-06	7.91E-07	6.84E-07	2.04E-07	2.85E-06
494561.06, 3859751.99	0.01995	0.004041	1.40E-06	4.22E-06	3.34E-06	2.89E-06	1.30E-06	4.67E-08	1.13E-06	7.93E-07	6.86E-07	2.05E-07	2.86E-06
494611.06, 3859751.99	0.0199	0.004031	1.40E-06	4.21E-06	3.33E-06	2.88E-06	1.29E-06	4.66E-08	1.13E-06	7.91E-07	6.84E-07	2.04E-07	2.85E-06
494661.06, 3859751.99	0.01909	0.003867	1.34E-06	4.04E-06	3.19E-06	2.76E-06	1.24E-06	4.47E-08	1.08E-06	7.59E-07	6.56E-07	1.96E-07	2.74E-06
494711.06, 3859751.99	0.01994	0.004039	1.40E-06	4.22E-06	3.33E-06	2.89E-06	1.30E-06	4.67E-08	1.13E-06	7.92E-07	6.86E-07	2.05E-07	2.86E-06
494761.06, 3859751.99	0.02012	0.004075	1.41E-06	4.26E-06	3.36E-06	2.91E-06	1.31E-06	4.71E-08	1.14E-06	7.99E-07	6.92E-07	2.06E-07	2.88E-06
494811.06, 3859751.99	0.02011	0.004073	1.41E-06	4.26E-06	3.36E-06	2.91E-06	1.31E-06	4.71E-08	1.14E-06	7.99E-07	6.91E-07	2.06E-07	2.88E-06
494861.06, 3859751.99	0.0202	0.004092	1.42E-06	4.28E-06	3.38E-06	2.92E-06	1.31E-06	4.73E-08	1.14E-06	8.03E-07	6.94E-07	2.07E-07	2.89E-06
494911.06, 3859751.99	0.02026	0.004104	1.42E-06	4.29E-06	3.39E-06	2.93E-06	1.32E-06	4.74E-08	1.15E-06	8.05E-07	6.97E-07	2.08E-07	2.90E-06

494961.06, 3859751.99	0.02032	0.004116	1.42E-06	4.30E-06	3.40E-06	2.94E-06	1.32E-06	4.76E-08	1.15E-06	8.07E-07	6.99E-07	2.09E-07	2.91E-06
495011.06, 3859751.99	0.02035	0.004122	1.43E-06	4.31E-06	3.40E-06	2.94E-06	1.32E-06	4.76E-08	1.15E-06	8.09E-07	7.00E-07	2.09E-07	2.92E-06
495061.06, 3859751.99	0.0205	0.004152	1.44E-06	4.34E-06	3.43E-06	2.97E-06	1.33E-06	4.80E-08	1.16E-06	8.15E-07	7.05E-07	2.10E-07	2.94E-06
495111.06, 3859751.99	0.02054	0.00416	1.44E-06	4.35E-06	3.43E-06	2.97E-06	1.34E-06	4.81E-08	1.16E-06	8.16E-07	7.06E-07	2.11E-07	2.94E-06
495161.06, 3859751.99	0.02054	0.00416	1.44E-06	4.35E-06	3.43E-06	2.97E-06	1.34E-06	4.81E-08	1.16E-06	8.16E-07	7.06E-07	2.11E-07	2.94E-06
495211.06, 3859751.99	0.02052	0.004156	1.44E-06	4.34E-06	3.43E-06	2.97E-06	1.34E-06	4.80E-08	1.16E-06	8.15E-07	7.05E-07	2.11E-07	2.94E-06
495261.06, 3859751.99	0.02062	0.004177	1.45E-06	4.37E-06	3.45E-06	2.98E-06	1.34E-06	4.83E-08	1.17E-06	8.19E-07	7.09E-07	2.12E-07	2.95E-06
495311.06, 3859751.99	0.02063	0.004179	1.45E-06	4.37E-06	3.45E-06	2.99E-06	1.34E-06	4.83E-08	1.17E-06	8.20E-07	7.09E-07	2.12E-07	2.96E-06
495361.06, 3859751.99	0.02065	0.004183	1.45E-06	4.37E-06	3.45E-06	2.99E-06	1.34E-06	4.83E-08	1.17E-06	8.21E-07	7.10E-07	2.12E-07	2.96E-06
495411.06, 3859751.99	0.02067	0.004187	1.45E-06	4.38E-06	3.46E-06	2.99E-06	1.34E-06	4.84E-08	1.17E-06	8.21E-07	7.11E-07	2.12E-07	2.96E-06
495461.06, 3859751.99	0.02055	0.004162	1.44E-06	4.35E-06	3.44E-06	2.97E-06	1.34E-06	4.81E-08	1.16E-06	8.17E-07	7.07E-07	2.11E-07	2.94E-06
495511.06, 3859751.99	0.02043	0.004138	1.43E-06	4.33E-06	3.42E-06	2.96E-06	1.33E-06	4.78E-08	1.16E-06	8.12E-07	7.02E-07	2.10E-07	2.93E-06
495561.06, 3859751.99	0.02044	0.00414	1.43E-06	4.33E-06	3.42E-06	2.96E-06	1.33E-06	4.79E-08	1.16E-06	8.12E-07	7.03E-07	2.10E-07	2.93E-06
495611.06, 3859751.99	0.02046	0.004144	1.43E-06	4.33E-06	3.42E-06	2.96E-06	1.33E-06	4.79E-08	1.16E-06	8.13E-07	7.03E-07	2.10E-07	2.93E-06
495661.06, 3859751.99	0.02054	0.00416	1.44E-06	4.35E-06	3.43E-06	2.97E-06	1.34E-06	4.81E-08	1.16E-06	8.16E-07	7.06E-07	2.11E-07	2.94E-06
494311.06, 3859801.99	0.02091	0.004235	1.47E-06	4.43E-06	3.50E-06	3.03E-06	1.36E-06	4.90E-08	1.18E-06	8.31E-07	7.19E-07	2.15E-07	3.00E-06
494361.06, 3859801.99	0.0208	0.004213	1.46E-06	4.40E-06	3.48E-06	3.01E-06	1.35E-06	4.87E-08	1.18E-06	8.26E-07	7.15E-07	2.13E-07	2.98E-06
494411.06, 3859801.99	0.02068	0.004189	1.45E-06	4.38E-06	3.46E-06	2.99E-06	1.35E-06	4.84E-08	1.17E-06	8.22E-07	7.11E-07	2.12E-07	2.96E-06
494461.06, 3859801.99	0.02117	0.004288	1.48E-06	4.48E-06	3.54E-06	3.06E-06	1.38E-06	4.96E-08	1.20E-06	8.41E-07	7.28E-07	2.17E-07	3.03E-06
494511.06, 3859801.99	0.02172	0.004399	1.52E-06	4.60E-06	3.63E-06	3.14E-06	1.41E-06	5.09E-08	1.23E-06	8.63E-07	7.47E-07	2.23E-07	3.11E-06
494561.06, 3859801.99	0.0218	0.004416	1.53E-06	4.62E-06	3.65E-06	3.15E-06	1.42E-06	5.10E-08	1.23E-06	8.66E-07	7.50E-07	2.24E-07	3.12E-06
494611.06, 3859801.99	0.02148	0.004351	1.51E-06	4.55E-06	3.59E-06	3.11E-06	1.40E-06	5.03E-08	1.21E-06	8.53E-07	7.39E-07	2.20E-07	3.08E-06
494661.06, 3859801.99	0.02153	0.004361	1.51E-06	4.56E-06	3.60E-06	3.12E-06	1.40E-06	5.04E-08	1.22E-06	8.55E-07	7.40E-07	2.21E-07	3.08E-06
494711.06, 3859801.99	0.02149	0.004353	1.51E-06	4.55E-06	3.59E-06	3.11E-06	1.40E-06	5.03E-08	1.22E-06	8.54E-07	7.39E-07	2.21E-07	3.08E-06
494761.06, 3859801.99	0.022	0.004456	1.54E-06	4.66E-06	3.68E-06	3.18E-06	1.43E-06	5.15E-08	1.24E-06	8.74E-07	7.56E-07	2.26E-07	3.15E-06
494811.06, 3859801.99	0.02203	0.004462	1.54E-06	4.66E-06	3.68E-06	3.19E-06	1.43E-06	5.16E-08	1.25E-06	8.75E-07	7.57E-07	2.26E-07	3.16E-06
494861.06, 3859801.99	0.02218	0.004493	1.56E-06	4.70E-06	3.71E-06	3.21E-06	1.44E-06	5.19E-08	1.25E-06	8.81E-07	7.63E-07	2.28E-07	3.18E-06
494911.06, 3859801.99	0.02211	0.004478	1.55E-06	4.68E-06	3.70E-06	3.20E-06	1.44E-06	5.18E-08	1.25E-06	8.79E-07	7.60E-07	2.27E-07	3.17E-06
494961.06, 3859801.99	0.02217	0.004491	1.55E-06	4.69E-06	3.71E-06	3.21E-06	1.44E-06	5.19E-08	1.25E-06	8.81E-07	7.62E-07	2.28E-07	3.18E-06
495011.06, 3859801.99	0.02221	0.004499	1.56E-06	4.70E-06	3.71E-06	3.21E-06	1.45E-06	5.20E-08	1.26E-06	8.82E-07	7.64E-07	2.28E-07	3.18E-06
495061.06, 3859801.99	0.02234	0.004525	1.57E-06	4.73E-06	3.74E-06	3.23E-06	1.45E-06	5.23E-08	1.26E-06	8.88E-07	7.68E-07	2.29E-07	3.20E-06
495111.06, 3859801.99	0.02232	0.004521	1.57E-06	4.73E-06	3.73E-06	3.23E-06	1.45E-06	5.23E-08	1.26E-06	8.87E-07	7.67E-07	2.29E-07	3.20E-06
495161.06, 3859801.99	0.02232	0.004521	1.57E-06	4.73E-06	3.73E-06	3.23E-06	1.45E-06	5.23E-08	1.26E-06	8.87E-07	7.67E-07	2.29E-07	3.20E-06
495211.06, 3859801.99	0.02243	0.004543	1.57E-06	4.75E-06	3.75E-06	3.25E-06	1.46E-06	5.25E-08	1.27E-06	8.91E-07	7.71E-07	2.30E-07	3.21E-06
495261.06, 3859801.99	0.02241	0.004539	1.57E-06	4.74E-06	3.75E-06	3.24E-06	1.46E-06	5.25E-08	1.27E-06	8.90E-07	7.70E-07	2.30E-07	3.21E-06
495311.06, 3859801.99	0.02252	0.004562	1.58E-06	4.77E-06	3.77E-06	3.26E-06	1.47E-06	5.27E-08	1.27E-06	8.95E-07	7.74E-07	2.31E-07	3.23E-06
495361.06, 3859801.99	0.02251	0.004559	1.58E-06	4.77E-06	3.76E-06	3.26E-06	1.46E-06	5.27E-08	1.27E-06	8.94E-07	7.74E-07	2.31E-07	3.23E-06
495411.06, 3859801.99	0.02241	0.004539	1.57E-06	4.74E-06	3.75E-06	3.24E-06	1.46E-06	5.25E-08	1.27E-06	8.90E-07	7.70E-07	2.30E-07	3.21E-06
495461.06, 3859801.99	0.0224	0.004537	1.57E-06	4.74E-06	3.75E-06	3.24E-06	1.46E-06	5.24E-08	1.27E-06	8.90E-07	7.70E-07	2.30E-07	3.21E-06
495511.06, 3859801.99	0.02223	0.004503	1.56E-06	4.71E-06	3.72E-06	3.22E-06	1.45E-06	5.20E-08	1.26E-06	8.83E-07	7.64E-07	2.28E-07	3.19E-06
495561.06, 3859801.99	0.02228	0.004513	1.56E-06	4.72E-06	3.73E-06	3.22E-06	1.45E-06	5.22E-08	1.26E-06	8.85E-07	7.66E-07	2.29E-07	3.19E-06
495611.06, 3859801.99	0.02246	0.004549	1.57E-06	4.76E-06	3.76E-06	3.25E-06	1.46E-06	5.26E-08	1.27E-06	8.92E-07	7.72E-07	2.31E-07	3.22E-06
495661.06, 3859801.99	0.02235	0.004527	1.57E-06	4.73E-06	3.74E-06	3.23E-06	1.45E-06	5.23E-08	1.26E-06	8.88E-07	7.68E-07	2.29E-07	3.20E-06
494311.06, 3859851.99	0.02285	0.004628	1.60E-06	4.84E-06	3.82E-06	3.31E-06	1.49E-06	5.35E-08	1.29E-06	9.08E-07	7.86E-07	2.35E-07	3.27E-06
494361.06, 3859851.99	0.02284	0.004626	1.60E-06	4.84E-06	3.82E-06	3.30E-06	1.49E-06	5.35E-08	1.29E-06	9.08E-07	7.85E-07	2.34E-07	3.27E-06
494411.06, 3859851.99	0.02276	0.00461	1.60E-06	4.82E-06	3.81E-06	3.29E-06	1.48E-06	5.33E-08	1.29E-06	9.04E-07	7.83E-07	2.34E-07	3.26E-06
494461.06, 3859851.99	0.02286	0.00463	1.60E-06	4.84E-06	3.82E-06	3.31E-06	1.49E-06	5.35E-08	1.29E-06	9.08E-07	7.86E-07	2.35E-07	3.28E-06
494511.06, 3859851.99	0.02328	0.004715	1.63E-06	4.93E-06	3.89E-06	3.37E-06	1.51E-06	5.45E-08	1.32E-06	9.25E-07	8.00E-07	2.39E-07	3.34E-06
494561.06, 3859851.99	0.02379	0.004819	1.67E-06	5.04E-06	3.98E-06	3.44E-06	1.55E-06	5.57E-08	1.35E-06	9.45E-07	8.18E-07	2.44E-07	3.41E-06
494611.06, 3859851.99	0.02334	0.004728	1.64E-06	4.94E-06	3.90E-06	3.38E-06	1.52E-06	5.46E-08	1.32E-06	9.27E-07	8.02E-07	2.40E-07	3.34E-06
494661.06, 3859851.99	0.0237	0.004801	1.66E-06	5.02E-06	3.96E-06	3.43E-06	1.54E-06	5.55E-08	1.34E-06	9.42E-07	8.15E-07	2.43E-07	3.40E-06
494711.06, 3859851.99	0.02354	0.004768	1.65E-06	4.98E-06	3.94E-06	3.41E-06	1.53E-06	5.51E-08	1.33E-06	9.35E-07	8.09E-07	2.42E-07	3.37E-06
494761.06, 3859851.99	0.02406	0.004873	1.69E-06	5.09E-06	4.02E-06	3.48E-06	1.57E-06	5.63E-08	1.36E-06	9.56E-07	8.27E-07	2.47E-07	3.45E-06
494811.06, 3859851.99	0.02413	0.004888	1.69E-06	5.11E-06	4.04E-06	3.49E-06	1.57E-06	5.65E-08	1.36E-06	9.59E-07	8.30E-07	2.48E-07	3.46E-06
494861.06, 3859851.99	0.02435	0.004932	1.71E-06	5.16E-06	4.07E-06	3.52E-06	1.58E-06	5.70E-08	1.38E-06	9.68E-07	8.37E-07	2.50E-07	3.49E-06
494911.06, 3859851.99	0.02429	0.00492	1.70E-06	5.14E-06	4.06E-06	3.51E-06	1.58E-06	5.69E-08	1.37E-06	9.65E-07	8.35E-07	2.49E-07	3.48E-06
494961.06, 3859851.99	0.02435	0.004932	1.71E-06	5.16E-06	4.07E-06	3.52E-06	1.58E-06	5.70E-08	1.38E-06	9.68E-07	8.37E-07	2.50E-07	3.49E-06
495011.06, 3859851.99	0.02442	0.004946	1.71E-06	5.17E-06	4.08E-06	3.53E-06	1.59E-06	5.72E-08	1.38E-06	9.70E-07	8.40E-07	2.51E-07	3.50E-06
495061.06, 3859851.99	0.02457	0.004977	1.72E-06	5.20E-06	4.11E-06	3.56E-06	1.60E-06	5.75E-08	1.39E-06	9.76E-07	8.45E-07	2.52E-07	3.52E-06
495111.06, 3859851.99	0.0245	0.004963	1.72E-06	5.19E-06	4.10E-06	3.55E-06	1.59E-06	5.74E-08	1.39E-06	9.73E-07	8.42E-07	2.51E-07	3.51E-06
495161.06, 3859851.99	0.02452	0.004967	1.72E-06	5.19E-06	4.10E-06	3.55E-06	1.60E-06	5.74E-08	1.39E-06	9.74E-07	8.43E-07	2.52E-07	3.51E-06
495211.06, 3859851.99	0.02457	0.004977	1.72E-06	5.20E-06	4.11E-06	3.56E-06	1.60E-06	5.75E-08	1.39E-06	9.76E-07	8.45E-07	2.52E-07	3.52E-06
495261.06, 3859851.99	0.02458	0.004979	1.72E-06	5.20E-06	4.11E-06	3.56E-06	1.60E-06	5.76E-08	1.39E-06	9.77E-07	8.45E-07	2.52E-07	3.52E-06
495311.06, 3859851.99	0.02467	0.004997	1.73E-06	5.22E-06	4.13E-06	3.57E-06	1.61E-06	5.78E-08	1.40E-06	9.80E-07	8.48E-07	2.53E-07	3.53E-06
495361.06, 3859851.99	0.02468	0.004999	1.73E-06	5.23E-06	4.13E-06	3.57E-06	1.61E-06	5.78E-08	1.40E-06	9.81E-07	8.49E-07	2.53E-07	3.54E-06
495411.06, 3859851.99	0.02458	0.004979	1.72E-06	5.20E-06	4.11E-06	3.56E-06	1.60E-06	5.76E-08	1.39E-06	9.77E-07	8.45E-07	2.52E-07	3.52E-06
495461.06, 3859851.99	0.02449	0.004961	1.72E-06	5.18E-06	4.10E-06	3.54E-06	1.59E-06	5.73E-08	1.39E-06	9.73E-07	8.42E-07	2.51E-07	3.51E-06
495511.06, 3859851.99	0.02434	0.00493	1.71E-06	5.15E-06	4.07E-06	3.52E-06	1.58E-06	5.70E-08	1.38E-06	9.67E-07	8.37E-07	2.50E-07	3.49E-06
495561.06, 3859851.99	0.02445	0.004952	1.71E-06	5.18E-06	4.09E-06	3.54E-06	1.59E-06	5.72E-08	1.38E-06	9.72E-07	8.41E-07	2.51E-07	3.50E-06
495611.06, 3859851.99	0.02452	0.004967	1.72E-06	5.19E-06	4.10E-06	3.55E-06	1.60E-06	5.74E-08	1.39E-06	9.74E-07	8.43E-07	2.52E-07	3.51E-06
495661.06, 3859851.99	0.02439	0.00494	1.71E-06	5.16E-06	4.08E-06	3.53E-06	1.59E-06	5.71E-08	1.38E-06	9.69E-07	8.39E-07	2.50E-07	3.49E-06
494311.06, 3859901.99	0.02502	0.005068	1.75E-06	5.30E-06	4.18E-06	3.62E-06	1.63E-06	5.86E-08	1.42E-06	9.94E-07	8.60E-07	2.57E-07	3.58E-06
494361.06, 3859901.99	0.02465	0.004993	1.73E-06	5.22E-06	4.12E-06	3.57E-06	1.60E-06	5.77E-08	1.39E-06	9.79E-07	8.47E-07	2.53E-07	3.53E-06
494411.06, 3859901.99	0.02502	0.005068	1.75E-06	5.30E-06	4.18E-06	3.62E-06	1.63E-06	5.86E-08	1.42E-06	9.94E-07	8.60E-07	2.57E-07	3.58E-06
494461.06, 3859901.99	0.02513	0.00509	1.76E-06	5.32E-06	4.20E-06	3.64E-06	1.64E-06	5.88E-08	1.42E-06	9.99E-07	8.64E-07	2.58E-07	3.60E-06
494511.06, 3859901.99	0.02542	0.005149	1.78E-06	5.38E-06	4.25E-06	3.68E-06	1.65E-06	5.95E-08	1.44E-06	1.01E-06	8.74E-07	2.61E-07	3.64E-06
494561.06, 3859901.99	0.02618	0.005303	1.84E-06	5.54E-06	4.38E-06	3.79E-06	1.70E-06	6.13E-08	1.48E-06	1.04E-06	9.00E-07	2.69E-07	3.75E-06
494611.06, 3859901.99	0.02556	0.005177	1.79E-06	5.41E-06	4.27E-06	3.70E-06	1.66E-06	5.98E-08	1.45E-06	1.02E-06	8.79E-07	2.62E-07	3.66E-06
494661.06, 3859901.99	0.02622	0.005311	1.84E-06	5.55E-06	4.38E-06	3.79E-06	1.71E-06	6.14E-08	1.48E-06	1.04E-06	9.01E-07	2.69E-07	3.76E-06
494711.06, 3859901.99	0.02569	0.005204	1.80E-06	5.44E-06	4.30E-06	3.72E-06	1.67E-06	6.02E-08	1.45E-06	1.02E-06	8.83E-07	2.64E-07	3.68E-06
494761.06, 3859901.99	0.02615	0.005297	1.83E-06	5.54E-06	4.37E-06	3.78E-06	1.70E-06	6.12E-08	1.48E-06	1.04E-06	8.99E-07	2.68E-07	3.75E-06
494811.06, 3859901.99	0.02661	0.00539	1.87E-06	5.63E-06	4.45E-06	3.85E-06	1.73E-06	6.23E-08	1.50E-06	1.06E-06	9.15E-07	2.73E-07	3.81E-06
494861.06, 3859901.99	0.02684	0.005437	1.88E-06	5.68E-06	4.49E-06	3.88E-06	1.75E-06	6.28E-08	1.52E-06	1.07E-06	9.23E-07	2.75E-07	3.85E-06
494911.06, 3859901.99	0.02673	0.005414	1.87E-06	5.66E-06	4.47E-06	3.87E-06	1.74E-06	6.26E-08	1.51E-06	1.06E-06	9.19E-07	2.74E-07	3.83E-06
494961.06, 3859901.99	0.02689	0.005447	1.89E-06	5.69E-06	4.50E-06	3.89E-06	1.75E-06	6.30E-08	1.52E-06	1.07E-06	9.25E-07	2.76E-07	3.85E-06
495011.06, 3859901.99	0.02687	0.005443	1.88E-06	5.69E-06	4.49E-06	3.89E-06	1.75E-06	6.29E-08	1.52E-06	1.07E-06	9.24E-07	2.76E-07	3.85E-06
495061.06, 3859901.99	0.02693	0.005455	1.89E-06	5.70E-06	4.50E-06	3.90E-06	1.75E-06	6.31E-08	1.52E-06	1.07E-06	9.26E-07	2.76E-07	3.86E-06
495111.06, 3859901.99	0.02682	0.005432	1.88E-06	5.68E-06	4.49E-06	3.88E-06	1.75E-06	6.28E-08	1.52E-06	1.07E-06	9.22E-07	2.75E-07	3.84E-06
495161.06, 3859901.99	0.02677	0.005422	1.88E-06	5.67E-06	4.48E-06	3.87E-06	1.74E-06	6.27E-08	1.51E-06	1.06E-06	9.20E-07	2.75E-07	3.84E-06
495211.06, 3859901.99	0.02698	0.005465	1.89E-06	5.71E-06	4.51E-06	3.90E-06	1.76E-06	6.32E-08	1.53E-06	1.07E-06	9.28E-07	2.77E-07	3.87E-06
495261.06, 3859901.99	0.02679	0.005426	1.88E-06	5.67E-06	4.48E-06	3.88E-06	1.74E-06	6.27E-08	1.52E-06	1.06E-06	9.21E-07	2.75E-07	3.84E-06
495311.06, 3859901.99	0.02696	0.005461	1.89E-06	5.71E-06	4.51E-06	3.90E-06	1.75E-06	6.31E-08	1.52E-06	1.07E-06	9.27E-07	2.77E-07	3.86E-06
495361.06, 3859901.99	0.02691	0.005451	1.89E-06	5.70E-06	4.50E-06	3.89E-06	1.75E-06	6.30E-08	1.52E-06	1.07E-06	9.25E-07	2.76E-07	3.86E-06
495411.06, 3859901.99	0.02677	0.005422	1.88E-06	5.67E-06	4.48E-06	3.87E-06	1.74E-06	6.27E-08	1.51E-06	1.06E-06	9.20E-07	2.75E-07	3.84E-06
495461.06, 3859901.99	0.0267	0.005408	1.87E-06	5.65E-06	4.47E-06	3.86E-06	1.74E-06	6.25E-08	1.51E-06	1.06E-06	9.18E-07	2.74E-07	3.83E-06
495511.06, 3859901.99	0.02679	0.005426	1.88E-06	5.67E-06	4.48E-06	3.88E-06	1.74E-06	6.27E-08	1.52E-06	1.06E-06	9.21E-07	2.75E-07	3.84E-06
495561.06, 3859901.99	0.02687	0.005443	1.88E-06	5.69E-06	4.49E-06	3.89E-06	1.75E-06	6.29E-08	1.52E-06	1.07E-06	9.24E-07	2.76E-07	3.85E-06
495611.06, 3859901.99	0.02675	0.005418	1.88E-06	5.66E-06	4.47E-06	3.87E-06	1.74E-06	6.26E-08	1.51E-06	1.06E-06	9.20E-07	2.75E-07	3.83E-06
495661.06, 3859901.99	0.0266	0.005388	1.87E-06	5.63E-06	4.45E-06	3.85E-06	1.73E-06	6.23E-08	1.50E-06	1.06E-06	9.15E-07	2.73E-07	3.81E-06

494311.06, 3859951.99	0.02768	0.005607	1.94E-06	5.86E-06	4.63E-06	4.01E-06	1.80E-06	6.48E-08	1.57E-06	1.10E-06	9.52E-07	2.84E-07	3.97E-06
494361.06, 3859951.99	0.02755	0.00558	1.93E-06	5.83E-06	4.61E-06	3.99E-06	1.79E-06	6.45E-08	1.56E-06	1.09E-06	9.47E-07	2.83E-07	3.95E-06
494411.06, 3859951.99	0.02755	0.00558	1.93E-06	5.83E-06	4.61E-06	3.99E-06	1.79E-06	6.45E-08	1.56E-06	1.09E-06	9.47E-07	2.83E-07	3.95E-06
494461.06, 3859951.99	0.02767	0.005605	1.94E-06	5.86E-06	4.63E-06	4.00E-06	1.80E-06	6.48E-08	1.56E-06	1.10E-06	9.51E-07	2.84E-07	3.96E-06
494511.06, 3859951.99	0.02801	0.005674	1.96E-06	5.93E-06	4.68E-06	4.05E-06	1.82E-06	6.56E-08	1.58E-06	1.11E-06	9.63E-07	2.87E-07	4.01E-06
494561.06, 3859951.99	0.02907	0.005888	2.04E-06	6.15E-06	4.86E-06	4.21E-06	1.89E-06	6.81E-08	1.64E-06	1.16E-06	9.99E-07	2.98E-07	4.17E-06
494611.06, 3859951.99	0.02845	0.005763	1.99E-06	6.02E-06	4.76E-06	4.12E-06	1.85E-06	6.66E-08	1.61E-06	1.13E-06	9.78E-07	2.92E-07	4.08E-06
494661.06, 3859951.99	0.02916	0.005906	2.04E-06	6.17E-06	4.88E-06	4.22E-06	1.90E-06	6.83E-08	1.65E-06	1.16E-06	1.00E-06	2.99E-07	4.18E-06
494711.06, 3859951.99	0.02869	0.005811	2.01E-06	6.07E-06	4.80E-06	4.15E-06	1.87E-06	6.72E-08	1.62E-06	1.14E-06	9.86E-07	2.94E-07	4.11E-06
494761.06, 3859951.99	0.02904	0.005882	2.04E-06	6.15E-06	4.86E-06	4.20E-06	1.89E-06	6.80E-08	1.64E-06	1.15E-06	9.98E-07	2.98E-07	4.16E-06
494811.06, 3859951.99	0.02926	0.005927	2.05E-06	6.19E-06	4.89E-06	4.23E-06	1.90E-06	6.85E-08	1.65E-06	1.16E-06	1.01E-06	3.00E-07	4.19E-06
494861.06, 3859951.99	0.0297	0.006016	2.08E-06	6.29E-06	4.97E-06	4.30E-06	1.93E-06	6.95E-08	1.68E-06	1.18E-06	1.02E-06	3.05E-07	4.26E-06
494911.06, 3859951.99	0.02953	0.005981	2.07E-06	6.25E-06	4.94E-06	4.27E-06	1.92E-06	6.91E-08	1.67E-06	1.17E-06	1.02E-06	3.03E-07	4.23E-06
494961.06, 3859951.99	0.02944	0.005963	2.06E-06	6.23E-06	4.92E-06	4.26E-06	1.92E-06	6.89E-08	1.67E-06	1.17E-06	1.01E-06	3.02E-07	4.22E-06
495011.06, 3859951.99	0.02944	0.005963	2.06E-06	6.23E-06	4.92E-06	4.26E-06	1.92E-06	6.89E-08	1.67E-06	1.17E-06	1.01E-06	3.02E-07	4.22E-06
495061.06, 3859951.99	0.02957	0.00599	2.07E-06	6.26E-06	4.95E-06	4.28E-06	1.92E-06	6.92E-08	1.67E-06	1.17E-06	1.02E-06	3.03E-07	4.24E-06
495111.06, 3859951.99	0.02944	0.005963	2.06E-06	6.23E-06	4.92E-06	4.26E-06	1.92E-06	6.89E-08	1.67E-06	1.17E-06	1.01E-06	3.02E-07	4.22E-06
495161.06, 3859951.99	0.02935	0.005945	2.06E-06	6.21E-06	4.91E-06	4.25E-06	1.91E-06	6.87E-08	1.66E-06	1.17E-06	1.01E-06	3.01E-07	4.21E-06
495211.06, 3859951.99	0.02927	0.005929	2.05E-06	6.20E-06	4.89E-06	4.24E-06	1.90E-06	6.85E-08	1.66E-06	1.16E-06	1.01E-06	3.00E-07	4.19E-06
495261.06, 3859951.99	0.0293	0.005935	2.05E-06	6.20E-06	4.90E-06	4.24E-06	1.91E-06	6.86E-08	1.66E-06	1.16E-06	1.01E-06	3.01E-07	4.20E-06
495311.06, 3859951.99	0.02954	0.005983	2.07E-06	6.25E-06	4.94E-06	4.27E-06	1.92E-06	6.92E-08	1.67E-06	1.17E-06	1.02E-06	3.03E-07	4.23E-06
495361.06, 3859951.99	0.0296	0.005996	2.08E-06	6.27E-06	4.95E-06	4.28E-06	1.93E-06	6.93E-08	1.67E-06	1.18E-06	1.02E-06	3.04E-07	4.24E-06
495411.06, 3859951.99	0.02945	0.005965	2.06E-06	6.23E-06	4.92E-06	4.26E-06	1.92E-06	6.90E-08	1.67E-06	1.17E-06	1.01E-06	3.02E-07	4.22E-06
495461.06, 3859951.99	0.02938	0.005951	2.06E-06	6.22E-06	4.91E-06	4.25E-06	1.91E-06	6.88E-08	1.66E-06	1.17E-06	1.01E-06	3.02E-07	4.21E-06
495511.06, 3859951.99	0.02929	0.005933	2.05E-06	6.20E-06	4.90E-06	4.24E-06	1.91E-06	6.86E-08	1.66E-06	1.16E-06	1.01E-06	3.01E-07	4.20E-06
495561.06, 3859951.99	0.02955	0.005985	2.07E-06	6.26E-06	4.94E-06	4.28E-06	1.92E-06	6.92E-08	1.67E-06	1.17E-06	1.02E-06	3.03E-07	4.23E-06
495611.06, 3859951.99	0.0294	0.005955	2.06E-06	6.22E-06	4.92E-06	4.25E-06	1.91E-06	6.88E-08	1.66E-06	1.17E-06	1.01E-06	3.02E-07	4.21E-06
495661.06, 3859951.99	0.02915	0.005904	2.04E-06	6.17E-06	4.87E-06	4.22E-06	1.90E-06	6.83E-08	1.65E-06	1.16E-06	1.00E-06	2.99E-07	4.18E-06
494311.06, 3860001.99	0.03069	0.006216	2.15E-06	6.50E-06	5.13E-06	4.44E-06	2.00E-06	7.19E-08	1.74E-06	1.22E-06	1.06E-06	3.15E-07	4.40E-06
494361.06, 3860001.99	0.03074	0.006226	2.16E-06	6.51E-06	5.14E-06	4.45E-06	2.00E-06	7.20E-08	1.74E-06	1.22E-06	1.06E-06	3.15E-07	4.40E-06
494411.06, 3860001.99	0.03039	0.006156	2.13E-06	6.43E-06	5.08E-06	4.40E-06	1.98E-06	7.12E-08	1.72E-06	1.21E-06	1.04E-06	3.12E-07	4.35E-06
494461.06, 3860001.99	0.03071	0.00622	2.15E-06	6.50E-06	5.14E-06	4.44E-06	2.00E-06	7.19E-08	1.74E-06	1.22E-06	1.06E-06	3.15E-07	4.40E-06
494511.06, 3860001.99	0.03062	0.006202	2.15E-06	6.48E-06	5.12E-06	4.43E-06	1.99E-06	7.17E-08	1.73E-06	1.22E-06	1.05E-06	3.14E-07	4.39E-06
494561.06, 3860001.99	0.03226	0.006534	2.26E-06	6.83E-06	5.39E-06	4.67E-06	2.10E-06	7.55E-08	1.82E-06	1.28E-06	1.11E-06	3.31E-07	4.62E-06
494611.06, 3860001.99	0.03204	0.00649	2.25E-06	6.78E-06	5.36E-06	4.64E-06	2.08E-06	7.50E-08	1.81E-06	1.27E-06	1.10E-06	3.29E-07	4.59E-06
494661.06, 3860001.99	0.03237	0.006557	2.27E-06	6.85E-06	5.41E-06	4.68E-06	2.11E-06	7.58E-08	1.83E-06	1.29E-06	1.11E-06	3.32E-07	4.64E-06
494711.06, 3860001.99	0.03123	0.006326	2.19E-06	6.61E-06	5.22E-06	4.52E-06	2.03E-06	7.31E-08	1.77E-06	1.24E-06	1.07E-06	3.21E-07	4.47E-06
494761.06, 3860001.99	0.03222	0.006526	2.26E-06	6.82E-06	5.39E-06	4.66E-06	2.10E-06	7.54E-08	1.82E-06	1.28E-06	1.11E-06	3.31E-07	4.62E-06
494811.06, 3860001.99	0.0326	0.006603	2.29E-06	6.90E-06	5.45E-06	4.72E-06	2.12E-06	7.63E-08	1.84E-06	1.30E-06	1.12E-06	3.35E-07	4.67E-06
494861.06, 3860001.99	0.03309	0.006702	2.32E-06	7.01E-06	5.53E-06	4.79E-06	2.15E-06	7.75E-08	1.87E-06	1.31E-06	1.14E-06	3.40E-07	4.74E-06
494911.06, 3860001.99	0.03186	0.006453	2.23E-06	6.75E-06	5.33E-06	4.61E-06	2.07E-06	7.46E-08	1.80E-06	1.27E-06	1.10E-06	3.27E-07	4.56E-06
494961.06, 3860001.99	0.03233	0.006549	2.27E-06	6.84E-06	5.41E-06	4.68E-06	2.10E-06	7.57E-08	1.83E-06	1.28E-06	1.11E-06	3.32E-07	4.63E-06
495011.06, 3860001.99	0.03222	0.006526	2.26E-06	6.82E-06	5.39E-06	4.66E-06	2.10E-06	7.54E-08	1.82E-06	1.28E-06	1.11E-06	3.31E-07	4.62E-06
495061.06, 3860001.99	0.03264	0.006611	2.29E-06	6.91E-06	5.46E-06	4.72E-06	2.12E-06	7.64E-08	1.85E-06	1.30E-06	1.12E-06	3.35E-07	4.68E-06
495111.06, 3860001.99	0.03248	0.006579	2.28E-06	6.88E-06	5.43E-06	4.70E-06	2.11E-06	7.60E-08	1.84E-06	1.29E-06	1.12E-06	3.33E-07	4.65E-06
495161.06, 3860001.99	0.03235	0.006553	2.27E-06	6.85E-06	5.41E-06	4.68E-06	2.10E-06	7.57E-08	1.83E-06	1.29E-06	1.11E-06	3.32E-07	4.63E-06
495211.06, 3860001.99	0.0327	0.006624	2.29E-06	6.92E-06	5.47E-06	4.73E-06	2.13E-06	7.66E-08	1.85E-06	1.30E-06	1.12E-06	3.36E-07	4.69E-06
495261.06, 3860001.99	0.03259	0.006601	2.29E-06	6.90E-06	5.45E-06	4.72E-06	2.12E-06	7.63E-08	1.84E-06	1.29E-06	1.12E-06	3.34E-07	4.67E-06
495311.06, 3860001.99	0.03267	0.006617	2.29E-06	6.92E-06	5.46E-06	4.73E-06	2.13E-06	7.65E-08	1.85E-06	1.30E-06	1.12E-06	3.35E-07	4.68E-06
495361.06, 3860001.99	0.03217	0.006516	2.26E-06	6.81E-06	5.38E-06	4.66E-06	2.09E-06	7.53E-08	1.82E-06	1.28E-06	1.11E-06	3.30E-07	4.61E-06
495411.06, 3860001.99	0.03257	0.006597	2.28E-06	6.90E-06	5.45E-06	4.71E-06	2.12E-06	7.63E-08	1.84E-06	1.29E-06	1.12E-06	3.34E-07	4.67E-06
495461.06, 3860001.99	0.03252	0.006587	2.28E-06	6.88E-06	5.44E-06	4.71E-06	2.12E-06	7.61E-08	1.84E-06	1.29E-06	1.12E-06	3.34E-07	4.66E-06
495511.06, 3860001.99	0.03249	0.006581	2.28E-06	6.88E-06	5.43E-06	4.70E-06	2.11E-06	7.61E-08	1.84E-06	1.29E-06	1.12E-06	3.33E-07	4.66E-06
495561.06, 3860001.99	0.03269	0.006621	2.29E-06	6.92E-06	5.47E-06	4.73E-06	2.13E-06	7.65E-08	1.85E-06	1.30E-06	1.12E-06	3.36E-07	4.68E-06
495611.06, 3860001.99	0.03243	0.006569	2.27E-06	6.87E-06	5.42E-06	4.69E-06	2.11E-06	7.59E-08	1.83E-06	1.29E-06	1.11E-06	3.33E-07	4.65E-06
495661.06, 3860001.99	0.03223	0.006528	2.26E-06	6.82E-06	5.39E-06	4.66E-06	2.10E-06	7.55E-08	1.82E-06	1.28E-06	1.11E-06	3.31E-07	4.62E-06
494411.06, 3860051.99	0.03407	0.006901	2.39E-06	7.21E-06	5.70E-06	4.93E-06	2.22E-06	7.98E-08	1.93E-06	1.35E-06	1.17E-06	3.50E-07	4.88E-06
494461.06, 3860051.99	0.03408	0.006903	2.39E-06	7.22E-06	5.70E-06	4.93E-06	2.22E-06	7.98E-08	1.93E-06	1.35E-06	1.17E-06	3.50E-07	4.88E-06
494511.06, 3860051.99	0.03417	0.006921	2.40E-06	7.23E-06	5.71E-06	4.94E-06	2.22E-06	8.00E-08	1.93E-06	1.36E-06	1.17E-06	3.51E-07	4.90E-06
494561.06, 3860051.99	0.03527	0.007144	2.47E-06	7.47E-06	5.90E-06	5.10E-06	2.29E-06	8.26E-08	1.99E-06	1.40E-06	1.21E-06	3.62E-07	5.05E-06
494611.06, 3860051.99	0.0358	0.007251	2.51E-06	7.58E-06	5.99E-06	5.18E-06	2.33E-06	8.38E-08	2.02E-06	1.42E-06	1.23E-06	3.67E-07	5.13E-06
494661.06, 3860051.99	0.03618	0.007328	2.54E-06	7.66E-06	6.05E-06	5.24E-06	2.35E-06	8.47E-08	2.05E-06	1.44E-06	1.24E-06	3.71E-07	5.18E-06
494711.06, 3860051.99	0.0355	0.007191	2.49E-06	7.52E-06	5.94E-06	5.14E-06	2.31E-06	8.31E-08	2.01E-06	1.41E-06	1.22E-06	3.64E-07	5.09E-06
494761.06, 3860051.99	0.03592	0.007276	2.52E-06	7.60E-06	6.01E-06	5.20E-06	2.34E-06	8.41E-08	2.03E-06	1.43E-06	1.23E-06	3.69E-07	5.15E-06
494811.06, 3860051.99	0.03676	0.007446	2.58E-06	7.78E-06	6.15E-06	5.32E-06	2.39E-06	8.61E-08	2.08E-06	1.46E-06	1.26E-06	3.77E-07	5.27E-06
494861.06, 3860051.99	0.03746	0.007588	2.63E-06	7.93E-06	6.26E-06	5.42E-06	2.44E-06	8.77E-08	2.12E-06	1.49E-06	1.29E-06	3.84E-07	5.37E-06
494911.06, 3860051.99	0.03695	0.007484	2.59E-06	7.82E-06	6.18E-06	5.35E-06	2.40E-06	8.65E-08	2.09E-06	1.47E-06	1.27E-06	3.79E-07	5.29E-06
494961.06, 3860051.99	0.03641	0.007375	2.55E-06	7.71E-06	6.09E-06	5.27E-06	2.37E-06	8.53E-08	2.06E-06	1.45E-06	1.25E-06	3.74E-07	5.22E-06
495011.06, 3860051.99	0.03613	0.007318	2.53E-06	7.65E-06	6.04E-06	5.23E-06	2.35E-06	8.46E-08	2.04E-06	1.44E-06	1.24E-06	3.71E-07	5.18E-06
495061.06, 3860051.99	0.03612	0.007316	2.53E-06	7.65E-06	6.04E-06	5.23E-06	2.35E-06	8.46E-08	2.04E-06	1.44E-06	1.24E-06	3.71E-07	5.18E-06
495111.06, 3860051.99	0.03575	0.007241	2.51E-06	7.57E-06	5.98E-06	5.17E-06	2.33E-06	8.37E-08	2.02E-06	1.42E-06	1.23E-06	3.67E-07	5.12E-06
495161.06, 3860051.99	0.03579	0.007249	2.51E-06	7.58E-06	5.99E-06	5.18E-06	2.33E-06	8.38E-08	2.02E-06	1.42E-06	1.23E-06	3.67E-07	5.13E-06
495211.06, 3860051.99	0.03565	0.007221	2.50E-06	7.55E-06	5.96E-06	5.16E-06	2.32E-06	8.35E-08	2.02E-06	1.42E-06	1.23E-06	3.66E-07	5.11E-06
495261.06, 3860051.99	0.03584	0.00726	2.51E-06	7.59E-06	5.99E-06	5.19E-06	2.33E-06	8.39E-08	2.03E-06	1.42E-06	1.23E-06	3.68E-07	5.14E-06
495311.06, 3860051.99	0.03613	0.007318	2.53E-06	7.65E-06	6.04E-06	5.23E-06	2.35E-06	8.46E-08	2.04E-06	1.44E-06	1.24E-06	3.71E-07	5.18E-06
495361.06, 3860051.99	0.03624	0.007341	2.54E-06	7.67E-06	6.06E-06	5.24E-06	2.36E-06	8.49E-08	2.05E-06	1.44E-06	1.25E-06	3.72E-07	5.19E-06
495411.06, 3860051.99	0.03624	0.007341	2.54E-06	7.67E-06	6.06E-06	5.24E-06	2.36E-06	8.49E-08	2.05E-06	1.44E-06	1.25E-06	3.72E-07	5.19E-06
495461.06, 3860051.99	0.03611	0.007314	2.53E-06	7.64E-06	6.04E-06	5.23E-06	2.35E-06	8.45E-08	2.04E-06	1.43E-06	1.24E-06	3.71E-07	5.17E-06
495511.06, 3860051.99	0.03624	0.007341	2.54E-06	7.67E-06	6.06E-06	5.24E-06	2.36E-06	8.49E-08	2.05E-06	1.44E-06	1.25E-06	3.72E-07	5.19E-06
495561.06, 3860051.99	0.03619	0.00733	2.54E-06	7.66E-06	6.05E-06	5.24E-06	2.35E-06	8.47E-08	2.05E-06	1.44E-06	1.24E-06	3.71E-07	5.19E-06
495611.06, 3860051.99	0.03601	0.007294	2.52E-06	7.62E-06	6.02E-06	5.21E-06	2.34E-06	8.43E-08	2.04E-06	1.43E-06	1.24E-06	3.70E-07	5.16E-06
495661.06, 3860051.99	0.03562	0.007215	2.50E-06	7.54E-06	5.96E-06	5.15E-06	2.32E-06	8.34E-08	2.01E-06	1.42E-06	1.22E-06	3.66E-07	5.10E-06
494411.06, 3860101.99	0.03725	0.007545	2.61E-06	7.89E-06	6.23E-06	5.39E-06	2.42E-06	8.72E-08	2.11E-06	1.48E-06	1.28E-06	3.82E-07	5.34E-06
494461.06, 3860101.99	0.03831	0.00776	2.69E-06	8.11E-06	6.41E-06	5.54E-06	2.49E-06	8.97E-08	2.17E-06	1.52E-06	1.32E-06	3.93E-07	5.49E-06
494511.06, 3860101.99	0.03773	0.007642	2.65E-06	7.99E-06	6.31E-06	5.46E-06	2.45E-06	8.83E-08	2.13E-06	1.50E-06	1.30E-06	3.87E-07	5.41E-06
494561.06, 3860101.99	0.03834	0.007766	2.69E-06	8.12E-06	6.41E-06	5.55E-06	2.49E-06	8.98E-08	2.17E-06	1.52E-06	1.32E-06	3.93E-07	5.49E-06
494611.06, 3860101.99	0.03966	0.008033	2.78E-06	8.40E-06	6.63E-06	5.74E-06	2.58E-06	9.29E-08	2.24E-06	1.58E-06	1.36E-06	4.07E-07	5.68E-06
494661.06, 3860101.99	0.04028	0.008159	2.82E-06	8.53E-06	6.74E-06	5.83E-06	2.62E-06	9.43E-08	2.28E-06	1.60E-06	1.38E-06	4.13E-07	5.77E-06
494711.06, 3860101.99	0.03968	0.008037	2.78E-06	8.40E-06	6.64E-06	5.74E-06	2.58E-06	9.29E-08	2.24E-06	1.58E-06	1.36E-06	4.07E-07	5.69E-06
494761.06, 3860101.99	0.04011	0.008124	2.81E-06	8.49E-06	6.71E-06	5.80E-06	2.61E-06	9.39E-08	2.27E-06	1.59E-06	1.38E-06	4.12E-07	5.75E-06
494811.06, 3860101.99	0.0406	0.008224	2.85E-06	8.60E-06	6.79E-06	5.87E-06	2.64E-06	9.51E-08	2.30E-06	1.61E-06	1.40E-06	4.17E-07	5.82E-06
494861.06, 3860101.99	0.0413	0.008365	2.90E-06	8.74E-06	6.91E-06	5.98E-06	2.69E-06	9.67E-08	2.34E-06	1.64E-06	1.42E-06	4.24E-07	5.92E-06
494911.06, 3860101.99	0.04022	0.008147	2.82E-06	8.51E-06	6.73E-06	5.82E-06	2.62E-06	9.42E-08	2.27E-06	1.60E-06	1.38E-06	4.13E-07	5.76E-06
494961.06, 3860101.99	0.04045	0.008193	2.84E-06	8.56E-06	6.76E-06	5.85E-06	2.63E-06	9.47E-08	2.29E-06	1.61E-06	1.39E-06	4.15E-07	5.80E-06
495011.06, 3860101.99	0.04013	0.008128	2.81E-06	8.50E-06	6.71E-06	5.81E-06	2.61E-06	9.40E-08	2.27E-06	1.59E-06	1.38E-06	4.12E-07	5.75E-06
495061.06, 3860101.99	0.03994	0.00809	2.80E-06	8.46E-06	6.68E-06	5.78E-06	2.60E-06	9.35E-08	2.26E-06	1.59E-06	1.37E-06	4.10E-07	5.72E-06
495111.06, 3860101.99	0.03943	0.007987	2.76E-06	8.35E-06	6.59E-06	5.71E-06	2.57E-06	9.23E-08	2.23E-06	1.57E-06	1.36E-06	4.05E-07	5.65E-06
495161.06, 3860101.99	0.03977	0.008056	2.79E-06	8.42E-06	6.65E-06	5.75E-06	2.59E-06	9.31E-08	2.25E-06	1.58E-06	1.37E-06	4.08E-07	5.70E-06
495211.06, 3860101.99	0.03981	0.008064	2.79E-06	8.43E-06	6.66E-06	5.76E-06	2.59E-06	9.32E-08	2.25E-06	1.58E-06	1.37E-06	4.09E-07	5.70E-06

495261.06, 3860101.99	0.0398	0.008062	2.79E-06	8.43E-06	6.66E-06	5.76E-06	2.59E-06	9.32E-08	2.25E-06	1.58E-06	1.37E-06	4.08E-07	5.70E-06
495311.06, 3860101.99	0.03994	0.00809	2.80E-06	8.46E-06	6.68E-06	5.78E-06	2.60E-06	9.35E-08	2.26E-06	1.59E-06	1.37E-06	4.10E-07	5.72E-06
495361.06, 3860101.99	0.04033	0.008169	2.83E-06	8.54E-06	6.74E-06	5.84E-06	2.62E-06	9.44E-08	2.28E-06	1.60E-06	1.39E-06	4.14E-07	5.78E-06
495411.06, 3860101.99	0.04026	0.008155	2.82E-06	8.52E-06	6.73E-06	5.83E-06	2.62E-06	9.43E-08	2.28E-06	1.60E-06	1.38E-06	4.13E-07	5.77E-06
495461.06, 3860101.99	0.03972	0.008045	2.79E-06	8.41E-06	6.64E-06	5.75E-06	2.58E-06	9.30E-08	2.25E-06	1.58E-06	1.37E-06	4.08E-07	5.69E-06
495511.06, 3860101.99	0.04004	0.00811	2.81E-06	8.48E-06	6.70E-06	5.79E-06	2.61E-06	9.37E-08	2.26E-06	1.59E-06	1.38E-06	4.11E-07	5.74E-06
495561.06, 3860101.99	0.04032	0.008167	2.83E-06	8.54E-06	6.74E-06	5.83E-06	2.62E-06	9.44E-08	2.28E-06	1.60E-06	1.39E-06	4.14E-07	5.78E-06
495611.06, 3860101.99	0.03976	0.008054	2.79E-06	8.42E-06	6.65E-06	5.75E-06	2.59E-06	9.31E-08	2.25E-06	1.58E-06	1.37E-06	4.08E-07	5.70E-06
495661.06, 3860101.99	0.03974	0.008049	2.79E-06	8.41E-06	6.65E-06	5.75E-06	2.59E-06	9.30E-08	2.25E-06	1.58E-06	1.37E-06	4.08E-07	5.69E-06
494861.06, 3860151.99	0.04659	0.009437	3.27E-06	9.86E-06	7.79E-06	6.74E-06	3.03E-06	1.09E-07	2.63E-06	1.85E-06	1.60E-06	4.78E-07	6.68E-06
494911.06, 3860151.99	0.04557	0.00923	3.20E-06	9.65E-06	7.62E-06	6.59E-06	2.97E-06	1.07E-07	2.58E-06	1.81E-06	1.57E-06	4.68E-07	6.53E-06
494961.06, 3860151.99	0.04531	0.009178	3.18E-06	9.59E-06	7.58E-06	6.56E-06	2.95E-06	1.06E-07	2.56E-06	1.80E-06	1.56E-06	4.65E-07	6.49E-06
495011.06, 3860151.99	0.0449	0.009095	3.15E-06	9.51E-06	7.51E-06	6.50E-06	2.92E-06	1.05E-07	2.54E-06	1.78E-06	1.54E-06	4.61E-07	6.43E-06
495061.06, 3860151.99	0.04455	0.009024	3.12E-06	9.43E-06	7.45E-06	6.45E-06	2.90E-06	1.04E-07	2.52E-06	1.77E-06	1.53E-06	4.57E-07	6.38E-06
495111.06, 3860151.99	0.04455	0.009024	3.12E-06	9.43E-06	7.45E-06	6.45E-06	2.90E-06	1.04E-07	2.52E-06	1.77E-06	1.53E-06	4.57E-07	6.38E-06
495161.06, 3860151.99	0.04467	0.009048	3.13E-06	9.46E-06	7.47E-06	6.46E-06	2.91E-06	1.05E-07	2.53E-06	1.77E-06	1.54E-06	4.58E-07	6.40E-06
495211.06, 3860151.99	0.04456	0.009026	3.12E-06	9.43E-06	7.45E-06	6.45E-06	2.90E-06	1.04E-07	2.52E-06	1.77E-06	1.53E-06	4.57E-07	6.38E-06
495261.06, 3860151.99	0.04474	0.009062	3.14E-06	9.47E-06	7.48E-06	6.47E-06	2.91E-06	1.05E-07	2.53E-06	1.78E-06	1.54E-06	4.59E-07	6.41E-06
495311.06, 3860151.99	0.04486	0.009087	3.15E-06	9.50E-06	7.50E-06	6.49E-06	2.92E-06	1.05E-07	2.54E-06	1.78E-06	1.54E-06	4.60E-07	6.43E-06
495361.06, 3860151.99	0.04506	0.009127	3.16E-06	9.54E-06	7.54E-06	6.52E-06	2.93E-06	1.06E-07	2.55E-06	1.79E-06	1.55E-06	4.62E-07	6.46E-06
495411.06, 3860151.99	0.04501	0.009117	3.16E-06	9.53E-06	7.53E-06	6.51E-06	2.93E-06	1.05E-07	2.55E-06	1.79E-06	1.55E-06	4.62E-07	6.45E-06
495461.06, 3860151.99	0.04497	0.009109	3.15E-06	9.52E-06	7.52E-06	6.51E-06	2.93E-06	1.05E-07	2.54E-06	1.79E-06	1.55E-06	4.62E-07	6.44E-06
495511.06, 3860151.99	0.04466	0.009046	3.13E-06	9.45E-06	7.47E-06	6.46E-06	2.91E-06	1.05E-07	2.53E-06	1.77E-06	1.54E-06	4.58E-07	6.40E-06
495561.06, 3860151.99	0.04477	0.009068	3.14E-06	9.48E-06	7.49E-06	6.48E-06	2.91E-06	1.05E-07	2.53E-06	1.78E-06	1.54E-06	4.59E-07	6.41E-06
495611.06, 3860151.99	0.04452	0.009018	3.12E-06	9.43E-06	7.45E-06	6.44E-06	2.90E-06	1.04E-07	2.52E-06	1.77E-06	1.53E-06	4.57E-07	6.38E-06
495661.06, 3860151.99	0.04415	0.008943	3.10E-06	9.35E-06	7.38E-06	6.39E-06	2.87E-06	1.03E-07	2.50E-06	1.75E-06	1.52E-06	4.53E-07	6.33E-06
495718.25, 3859442.96	0.01283	0.002599	9.00E-07	2.72E-06	2.15E-06	1.86E-06	8.35E-07	3.00E-08	7.26E-07	5.10E-07	4.41E-07	1.32E-07	1.84E-06
495818.25, 3859442.96	0.01286	0.002605	9.02E-07	2.72E-06	2.15E-06	1.86E-06	8.37E-07	3.01E-08	7.27E-07	5.11E-07	4.42E-07	1.32E-07	1.84E-06
495918.25, 3859442.96	0.01296	0.002625	9.09E-07	2.74E-06	2.17E-06	1.88E-06	8.43E-07	3.03E-08	7.33E-07	5.15E-07	4.46E-07	1.33E-07	1.86E-06
496018.25, 3859442.96	0.01311	0.002655	9.19E-07	2.78E-06	2.19E-06	1.90E-06	8.53E-07	3.07E-08	7.41E-07	5.21E-07	4.51E-07	1.35E-07	1.88E-06
496118.25, 3859442.96	0.01347	0.002728	9.44E-07	2.85E-06	2.25E-06	1.95E-06	8.76E-07	3.15E-08	7.62E-07	5.35E-07	4.63E-07	1.38E-07	1.93E-06
496218.25, 3859442.96	0.01385	0.002805	9.71E-07	2.93E-06	2.32E-06	2.00E-06	9.01E-07	3.24E-08	7.83E-07	5.50E-07	4.76E-07	1.42E-07	1.98E-06
496318.25, 3859442.96	0.01411	0.002858	9.89E-07	2.99E-06	2.36E-06	2.04E-06	9.18E-07	3.30E-08	7.98E-07	5.61E-07	4.85E-07	1.45E-07	2.02E-06
496418.25, 3859442.96	0.0144	0.002917	1.01E-06	3.05E-06	2.41E-06	2.08E-06	9.37E-07	3.37E-08	8.14E-07	5.72E-07	4.95E-07	1.48E-07	2.06E-06
495718.25, 3859542.96	0.01481	0.003	1.04E-06	3.14E-06	2.48E-06	2.14E-06	9.64E-07	3.47E-08	8.38E-07	5.88E-07	5.09E-07	1.52E-07	2.12E-06
495818.25, 3859542.96	0.01489	0.003016	1.04E-06	3.15E-06	2.49E-06	2.15E-06	9.69E-07	3.49E-08	8.42E-07	5.92E-07	5.12E-07	1.53E-07	2.13E-06
495918.25, 3859542.96	0.01494	0.003026	1.05E-06	3.16E-06	2.50E-06	2.16E-06	9.72E-07	3.50E-08	8.45E-07	5.94E-07	5.14E-07	1.53E-07	2.14E-06
496018.25, 3859542.96	0.01506	0.00305	1.06E-06	3.19E-06	2.52E-06	2.18E-06	9.80E-07	3.53E-08	8.52E-07	5.98E-07	5.18E-07	1.55E-07	2.16E-06
496118.25, 3859542.96	0.01549	0.003138	1.09E-06	3.28E-06	2.59E-06	2.24E-06	1.01E-06	3.63E-08	8.76E-07	6.15E-07	5.33E-07	1.59E-07	2.22E-06
496218.25, 3859542.96	0.0159	0.003221	1.11E-06	3.37E-06	2.66E-06	2.30E-06	1.03E-06	3.72E-08	8.99E-07	6.32E-07	5.47E-07	1.63E-07	2.28E-06
496318.25, 3859542.96	0.01631	0.003304	1.14E-06	3.45E-06	2.73E-06	2.36E-06	1.06E-06	3.82E-08	9.22E-07	6.48E-07	5.61E-07	1.67E-07	2.34E-06
496418.25, 3859542.96	0.01658	0.003358	1.16E-06	3.51E-06	2.77E-06	2.40E-06	1.08E-06	3.88E-08	9.38E-07	6.59E-07	5.70E-07	1.70E-07	2.38E-06
495718.25, 3859642.96	0.01716	0.003476	1.20E-06	3.63E-06	2.87E-06	2.48E-06	1.12E-06	4.02E-08	9.71E-07	6.82E-07	5.90E-07	1.76E-07	2.46E-06
495818.25, 3859642.96	0.01719	0.003482	1.21E-06	3.64E-06	2.87E-06	2.49E-06	1.12E-06	4.02E-08	9.72E-07	6.83E-07	5.91E-07	1.76E-07	2.46E-06
495918.25, 3859642.96	0.01734	0.003512	1.22E-06	3.67E-06	2.90E-06	2.51E-06	1.13E-06	4.06E-08	9.81E-07	6.89E-07	5.96E-07	1.78E-07	2.48E-06
496018.25, 3859642.96	0.01746	0.003537	1.22E-06	3.70E-06	2.92E-06	2.53E-06	1.14E-06	4.09E-08	9.87E-07	6.94E-07	6.00E-07	1.79E-07	2.50E-06
496118.25, 3859642.96	0.01803	0.003652	1.26E-06	3.82E-06	3.02E-06	2.61E-06	1.17E-06	4.22E-08	1.02E-06	7.16E-07	6.20E-07	1.85E-07	2.58E-06
496218.25, 3859642.96	0.01859	0.003765	1.30E-06	3.94E-06	3.11E-06	2.69E-06	1.21E-06	4.35E-08	1.05E-06	7.39E-07	6.39E-07	1.91E-07	2.66E-06
496318.25, 3859642.96	0.01891	0.00383	1.33E-06	4.00E-06	3.16E-06	2.74E-06	1.23E-06	4.43E-08	1.07E-06	7.51E-07	6.50E-07	1.94E-07	2.71E-06
496418.25, 3859642.96	0.01862	0.003772	1.31E-06	3.94E-06	3.11E-06	2.69E-06	1.21E-06	4.36E-08	1.05E-06	7.40E-07	6.40E-07	1.91E-07	2.67E-06
495718.25, 3859742.96	0.02026	0.004104	1.42E-06	4.29E-06	3.39E-06	2.93E-06	1.32E-06	4.74E-08	1.15E-06	8.05E-07	6.97E-07	2.08E-07	2.90E-06
495818.25, 3859742.96	0.02018	0.004088	1.41E-06	4.27E-06	3.37E-06	2.92E-06	1.31E-06	4.72E-08	1.14E-06	8.02E-07	6.94E-07	2.07E-07	2.89E-06
495918.25, 3859742.96	0.02027	0.004106	1.42E-06	4.29E-06	3.39E-06	2.93E-06	1.32E-06	4.75E-08	1.15E-06	8.05E-07	6.97E-07	2.08E-07	2.90E-06
496018.25, 3859742.96	0.02036	0.004124	1.43E-06	4.31E-06	3.40E-06	2.95E-06	1.32E-06	4.77E-08	1.15E-06	8.09E-07	7.00E-07	2.09E-07	2.92E-06
496118.25, 3859742.96	0.02101	0.004256	1.47E-06	4.45E-06	3.51E-06	3.04E-06	1.37E-06	4.92E-08	1.19E-06	8.35E-07	7.22E-07	2.16E-07	3.01E-06
496218.25, 3859742.96	0.02188	0.004432	1.53E-06	4.63E-06	3.66E-06	3.17E-06	1.42E-06	5.12E-08	1.24E-06	8.69E-07	7.52E-07	2.25E-07	3.13E-06
496318.25, 3859742.96	0.02154	0.004363	1.51E-06	4.56E-06	3.60E-06	3.12E-06	1.40E-06	5.04E-08	1.22E-06	8.56E-07	7.41E-07	2.21E-07	3.09E-06
496418.25, 3859742.96	0.02099	0.004252	1.47E-06	4.44E-06	3.51E-06	3.04E-06	1.37E-06	4.91E-08	1.19E-06	8.34E-07	7.22E-07	2.15E-07	3.01E-06
495718.25, 3859842.96	0.02402	0.004865	1.68E-06	5.09E-06	4.02E-06	3.48E-06	1.56E-06	5.62E-08	1.36E-06	9.54E-07	8.26E-07	2.47E-07	3.44E-06
495818.25, 3859842.96	0.02403	0.004867	1.68E-06	5.09E-06	4.02E-06	3.48E-06	1.56E-06	5.63E-08	1.36E-06	9.55E-07	8.26E-07	2.47E-07	3.44E-06
495918.25, 3859842.96	0.02407	0.004875	1.69E-06	5.10E-06	4.03E-06	3.48E-06	1.57E-06	5.64E-08	1.36E-06	9.56E-07	8.28E-07	2.47E-07	3.45E-06
496018.25, 3859842.96	0.0244	0.004942	1.71E-06	5.17E-06	4.08E-06	3.53E-06	1.59E-06	5.71E-08	1.38E-06	9.70E-07	8.39E-07	2.50E-07	3.50E-06
496118.25, 3859842.96	0.025	0.005064	1.75E-06	5.29E-06	4.18E-06	3.62E-06	1.63E-06	5.85E-08	1.41E-06	9.93E-07	8.60E-07	2.57E-07	3.58E-06
496218.25, 3859842.96	0.025	0.005064	1.75E-06	5.29E-06	4.18E-06	3.62E-06	1.63E-06	5.85E-08	1.41E-06	9.93E-07	8.60E-07	2.57E-07	3.58E-06
496318.25, 3859842.96	0.02372	0.004805	1.66E-06	5.02E-06	3.97E-06	3.43E-06	1.54E-06	5.55E-08	1.34E-06	9.42E-07	8.16E-07	2.43E-07	3.40E-06
496418.25, 3859842.96	0.0234	0.00474	1.64E-06	4.95E-06	3.91E-06	3.39E-06	1.52E-06	5.48E-08	1.32E-06	9.30E-07	8.05E-07	2.40E-07	3.35E-06
495718.25, 3859942.96	0.02876	0.005825	2.02E-06	6.09E-06	4.81E-06	4.16E-06	1.87E-06	6.73E-08	1.63E-06	1.14E-06	9.89E-07	2.95E-07	4.12E-06
495818.25, 3859942.96	0.02868	0.005809	2.01E-06	6.07E-06	4.80E-06	4.15E-06	1.87E-06	6.72E-08	1.62E-06	1.14E-06	9.86E-07	2.94E-07	4.11E-06
495918.25, 3859942.96	0.02893	0.00586	2.03E-06	6.12E-06	4.84E-06	4.19E-06	1.88E-06	6.77E-08	1.64E-06	1.15E-06	9.95E-07	2.97E-07	4.14E-06
496018.25, 3859942.96	0.02997	0.006071	2.10E-06	6.34E-06	5.01E-06	4.34E-06	1.95E-06	7.02E-08	1.70E-06	1.19E-06	1.03E-06	3.08E-07	4.29E-06
496118.25, 3859942.96	0.02941	0.005957	2.06E-06	6.23E-06	4.92E-06	4.26E-06	1.91E-06	6.89E-08	1.66E-06	1.17E-06	1.01E-06	3.02E-07	4.21E-06
496218.25, 3859942.96	0.02828	0.005728	1.98E-06	5.99E-06	4.73E-06	4.09E-06	1.84E-06	6.62E-08	1.60E-06	1.12E-06	9.72E-07	2.90E-07	4.05E-06
496318.25, 3859942.96	0.02752	0.005574	1.93E-06	5.83E-06	4.60E-06	3.98E-06	1.79E-06	6.44E-08	1.56E-06	1.09E-06	9.46E-07	2.82E-07	3.94E-06
496418.25, 3859942.96	0.02664	0.005396	1.87E-06	5.64E-06	4.46E-06	3.85E-06	1.73E-06	6.24E-08	1.51E-06	1.06E-06	9.16E-07	2.73E-07	3.82E-06
496856.82, 3858864.83	0.00798	0.001616	5.60E-07	1.69E-06	1.33E-06	1.15E-06	5.19E-07	1.87E-08	4.51E-07	3.17E-07	2.74E-07	8.19E-08	1.14E-06
496956.82, 3858864.83	0.0082	0.001661	5.75E-07	1.74E-06	1.37E-06	1.19E-06	5.34E-07	1.92E-08	4.64E-07	3.26E-07	2.82E-07	8.42E-08	1.17E-06
497056.82, 3858864.83	0.00846	0.001714	5.93E-07	1.79E-06	1.41E-06	1.22E-06	5.50E-07	1.98E-08	4.78E-07	3.36E-07	2.91E-07	8.68E-08	1.21E-06
497156.82, 3858864.83	0.00872	0.001766	6.11E-07	1.85E-06	1.46E-06	1.26E-06	5.67E-07	2.04E-08	4.93E-07	3.46E-07	3.00E-07	8.95E-08	1.25E-06
497256.82, 3858864.83	0.00903	0.001829	6.33E-07	1.91E-06	1.51E-06	1.31E-06	5.88E-07	2.11E-08	5.11E-07	3.59E-07	3.10E-07	9.27E-08	1.29E-06
496856.82, 3858964.83	0.00892	0.001807	6.25E-07	1.89E-06	1.49E-06	1.29E-06	5.80E-07	2.09E-08	5.04E-07	3.54E-07	3.07E-07	9.15E-08	1.28E-06
496956.82, 3858964.83	0.00915	0.001853	6.42E-07	1.94E-06	1.53E-06	1.32E-06	5.95E-07	2.14E-08	5.17E-07	3.64E-07	3.15E-07	9.39E-08	1.31E-06
497056.82, 3858964.83	0.00943	0.00191	6.61E-07	2.00E-06	1.58E-06	1.36E-06	6.14E-07	2.21E-08	5.33E-07	3.75E-07	3.24E-07	9.68E-08	1.35E-06
497156.82, 3858964.83	0.00971	0.001967	6.81E-07	2.06E-06	1.62E-06	1.41E-06	6.32E-07	2.27E-08	5.49E-07	3.86E-07	3.34E-07	9.97E-08	1.39E-06
497256.82, 3858964.83	0.01012	0.00205	7.10E-07	2.14E-06	1.69E-06	1.46E-06	6.58E-07	2.37E-08	5.72E-07	4.02E-07	3.48E-07	1.04E-07	1.45E-06
496856.82, 3859064.83	0.00994	0.002013	6.97E-07	2.10E-06	1.66E-06	1.44E-06	6.47E-07	2.33E-08	5.62E-07	3.95E-07	3.42E-07	1.02E-07	1.42E-06
496956.82, 3859064.83	0.01022	0.00207	7.17E-07	2.16E-06	1.71E-06	1.48E-06	6.65E-07	2.39E-08	5.78E-07	4.06E-07	3.51E-07	1.05E-07	1.46E-06
497056.82, 3859064.83	0.01053	0.002133	7.38E-07	2.23E-06	1.76E-06	1.52E-06	6.85E-07	2.47E-08	5.96E-07	4.18E-07	3.62E-07	1.08E-07	1.51E-06
497156.82, 3859064.83	0.01086	0.0022	7.61E-07	2.30E-06	1.82E-06	1.57E-06	7.07E-07	2.54E-08	6.14E-07	4.32E-07	3.73E-07	1.11E-07	1.56E-06
497256.82, 3859064.83	0.01138	0.002305	7.98E-07	2.41E-06	1.90E-06	1.65E-06	7.40E-07	2.66E-08	6.44E-07	4.52E-07	3.91E-07	1.17E-07	1.63E-06
496856.82, 3859164.83	0.01106	0.00224	7.75E-07	2.34E-06	1.85E-06	1.60E-06	7.20E-07	2.59E-08	6.26E-07	4.39E-07	3.80E-07	1.14E-07	1.58E-06
496956.82, 3859164.83	0.01135	0.002299	7.96E-07	2.40E-06	1.90E-06	1.64E-06	7.39E-07	2.66E-08	6.42E-07	4.51E-07	3.90E-07	1.16E-07	1.63E-06
497056.82, 3859164.83	0.01172	0.002374	8.22E-07	2.48E-06	1.96E-06	1.70E-06	7.63E-07	2.74E-08	6.63E-07	4.66E-07	4.03E-07	1.20E-07	1.68E-06
497156.82, 3859164.83	0.01221	0.002473	8.56E-07	2.58E-06	2.04E-06	1.77E-06	7.94E-07	2.86E-08	6.91E-07	4.85E-07	4.20E-07	1.25E-07	1.75E-06
497256.82, 3859164.83	0.01287	0.002607	9.02E-07	2.72E-06	2.15E-06	1.86E-06	8.37E-07	3.01E-08	7.28E-07	5.11E-07	4.42E-07	1.32E-07	1.84E-06
496856.82, 3859264.83	0.01228	0.002487	8.61E-07	2.60E-06	2.05E-06	1.78E-06	7.99E-07	2.88E-08	6.95E-07	4.88E-07	4.22E-07	1.26E-07	1.76E-06
496956.82, 3859264.83	0.0127	0.002572	8.90E-07	2.69E-06	2.12E-06	1.84E-06	8.26E-07	2.97E-08	7.18E-07	5.05E-07	4.37E-07	1.30E-07	1.82E-06
497056.82, 3859264.83	0.01324	0.002682	9.28E-07	2.80E-06	2.21E-06	1.92E-06	8.61E-07	3.10E-08	7.49E-07	5.26E-07	4.55E-07	1.36E-07	1.90E-06
497156.82, 3859264.83	0.01381	0.002797	9.68E-07	2.92E-06	2.31E-06	2.00E-06	8.99E-07	3.23E-08	7.81E-07	5.49E-07	4.75E-07	1.42E-07	1.98E-06
497256.82, 3859264.83	0.01454	0.002945	1.02E-06	3.08E-06	2.43E-06	2.10E-06	9.46E-07	3.40E-08	8.22E-07	5.78E-07	5.00E-07	1.49E-07	2.08E-06

497088.92, 3858620.93	0.0065	0.001317	4.56E-07	1.38E-06	1.09E-06	9.41E-07	4.23E-07	1.52E-08	3.68E-07	2.58E-07	2.23E-07	6.67E-08	9.31E-07
497138.92, 3858620.93	0.00661	0.001339	4.63E-07	1.40E-06	1.11E-06	9.56E-07	4.30E-07	1.55E-08	3.74E-07	2.63E-07	2.27E-07	6.78E-08	9.47E-07
497188.92, 3858620.93	0.00677	0.001371	4.75E-07	1.43E-06	1.13E-06	9.80E-07	4.41E-07	1.59E-08	3.83E-07	2.69E-07	2.33E-07	6.95E-08	9.70E-07
497238.92, 3858620.93	0.00689	0.001396	4.83E-07	1.46E-06	1.15E-06	9.97E-07	4.48E-07	1.61E-08	3.90E-07	2.74E-07	2.37E-07	7.07E-08	9.87E-07
497088.92, 3858670.93	0.00687	0.001392	4.82E-07	1.45E-06	1.15E-06	9.94E-07	4.47E-07	1.61E-08	3.89E-07	2.73E-07	2.36E-07	7.05E-08	9.84E-07
497138.92, 3858670.93	0.00701	0.00142	4.92E-07	1.48E-06	1.17E-06	1.01E-06	4.56E-07	1.64E-08	3.96E-07	2.79E-07	2.41E-07	7.19E-08	1.00E-06
497188.92, 3858670.93	0.00712	0.001442	4.99E-07	1.51E-06	1.19E-06	1.03E-06	4.63E-07	1.67E-08	4.03E-07	2.83E-07	2.45E-07	7.31E-08	1.02E-06
497238.92, 3858670.93	0.00726	0.001471	5.09E-07	1.54E-06	1.21E-06	1.05E-06	4.72E-07	1.70E-08	4.11E-07	2.88E-07	2.50E-07	7.45E-08	1.04E-06
497088.92, 3858720.93	0.00727	0.001473	5.10E-07	1.54E-06	1.22E-06	1.05E-06	4.73E-07	1.70E-08	4.11E-07	2.89E-07	2.50E-07	7.46E-08	1.04E-06
497138.92, 3858720.93	0.00734	0.001487	5.15E-07	1.55E-06	1.23E-06	1.06E-06	4.78E-07	1.72E-08	4.15E-07	2.92E-07	2.52E-07	7.53E-08	1.05E-06
497188.92, 3858720.93	0.00746	0.001511	5.23E-07	1.58E-06	1.25E-06	1.08E-06	4.85E-07	1.75E-08	4.22E-07	2.96E-07	2.56E-07	7.66E-08	1.07E-06
497238.92, 3858720.93	0.00766	0.001552	5.37E-07	1.62E-06	1.28E-06	1.11E-06	4.98E-07	1.79E-08	4.33E-07	3.04E-07	2.63E-07	7.86E-08	1.10E-06
497088.92, 3858770.93	0.00765	0.00155	5.36E-07	1.62E-06	1.28E-06	1.11E-06	4.98E-07	1.79E-08	4.33E-07	3.04E-07	2.63E-07	7.85E-08	1.10E-06
497138.92, 3858770.93	0.00777	0.001574	5.45E-07	1.64E-06	1.30E-06	1.12E-06	5.06E-07	1.82E-08	4.39E-07	3.09E-07	2.67E-07	7.97E-08	1.11E-06
497188.92, 3858770.93	0.00785	0.00159	5.50E-07	1.66E-06	1.31E-06	1.14E-06	5.11E-07	1.84E-08	4.44E-07	3.12E-07	2.70E-07	8.06E-08	1.12E-06
497238.92, 3858770.93	0.00808	0.001637	5.67E-07	1.71E-06	1.35E-06	1.17E-06	5.26E-07	1.89E-08	4.57E-07	3.21E-07	2.78E-07	8.29E-08	1.16E-06
497396.65, 3858622.63	0.00748	0.001515	5.24E-07	1.58E-06	1.25E-06	1.08E-06	4.87E-07	1.75E-08	4.23E-07	2.97E-07	2.57E-07	7.68E-08	1.07E-06
497496.65, 3858622.63	0.00786	0.001592	5.51E-07	1.66E-06	1.31E-06	1.14E-06	5.11E-07	1.84E-08	4.45E-07	3.12E-07	2.70E-07	8.07E-08	1.13E-06
497596.65, 3858622.63	0.00828	0.001677	5.81E-07	1.75E-06	1.38E-06	1.20E-06	5.39E-07	1.94E-08	4.68E-07	3.29E-07	2.85E-07	8.50E-08	1.19E-06
497696.65, 3858622.63	0.0087	0.001762	6.10E-07	1.84E-06	1.45E-06	1.26E-06	5.66E-07	2.04E-08	4.92E-07	3.46E-07	2.99E-07	8.93E-08	1.25E-06
497796.65, 3858622.63	0.00916	0.001855	6.42E-07	1.94E-06	1.53E-06	1.33E-06	5.96E-07	2.14E-08	5.18E-07	3.64E-07	3.15E-07	9.40E-08	1.31E-06
497896.65, 3858622.63	0.00966	0.001957	6.77E-07	2.05E-06	1.62E-06	1.40E-06	6.29E-07	2.26E-08	5.46E-07	3.84E-07	3.32E-07	9.91E-08	1.38E-06
497396.65, 3858722.63	0.00833	0.001687	5.84E-07	1.76E-06	1.39E-06	1.21E-06	5.42E-07	1.95E-08	4.71E-07	3.31E-07	2.86E-07	8.55E-08	1.19E-06
497496.65, 3858722.63	0.00873	0.001768	6.12E-07	1.85E-06	1.46E-06	1.26E-06	5.68E-07	2.04E-08	4.94E-07	3.47E-07	3.00E-07	8.96E-08	1.25E-06
497596.65, 3858722.63	0.00924	0.001872	6.48E-07	1.96E-06	1.55E-06	1.34E-06	6.01E-07	2.16E-08	5.23E-07	3.67E-07	3.18E-07	9.48E-08	1.32E-06
497696.65, 3858722.63	0.00971	0.001967	6.81E-07	2.06E-06	1.62E-06	1.41E-06	6.32E-07	2.27E-08	5.49E-07	3.86E-07	3.34E-07	9.97E-08	1.39E-06
497796.65, 3858722.63	0.01017	0.00206	7.13E-07	2.15E-06	1.70E-06	1.47E-06	6.62E-07	2.38E-08	5.75E-07	4.04E-07	3.50E-07	1.04E-07	1.46E-06
497896.65, 3858722.63	0.01069	0.002165	7.50E-07	2.26E-06	1.79E-06	1.55E-06	6.96E-07	2.50E-08	6.05E-07	4.25E-07	3.68E-07	1.10E-07	1.53E-06
497396.65, 3858822.63	0.00923	0.00187	6.47E-07	1.95E-06	1.54E-06	1.34E-06	6.01E-07	2.16E-08	5.22E-07	3.67E-07	3.17E-07	9.47E-08	1.32E-06
497496.65, 3858822.63	0.00966	0.001957	6.77E-07	2.05E-06	1.62E-06	1.40E-06	6.29E-07	2.26E-08	5.46E-07	3.84E-07	3.32E-07	9.91E-08	1.38E-06
497596.65, 3858822.63	0.01017	0.00206	7.13E-07	2.15E-06	1.70E-06	1.47E-06	6.62E-07	2.38E-08	5.75E-07	4.04E-07	3.50E-07	1.04E-07	1.46E-06
497696.65, 3858822.63	0.01078	0.002184	7.56E-07	2.28E-06	1.80E-06	1.56E-06	7.01E-07	2.52E-08	6.10E-07	4.28E-07	3.71E-07	1.11E-07	1.54E-06
497796.65, 3858822.63	0.01122	0.002273	7.87E-07	2.38E-06	1.88E-06	1.62E-06	7.30E-07	2.63E-08	6.35E-07	4.46E-07	3.86E-07	1.15E-07	1.61E-06
497896.65, 3858822.63	0.01197	0.002425	8.39E-07	2.53E-06	2.00E-06	1.73E-06	7.79E-07	2.80E-08	6.77E-07	4.76E-07	4.12E-07	1.23E-07	1.72E-06
497396.65, 3858922.63	0.01027	0.00208	7.20E-07	2.17E-06	1.72E-06	1.49E-06	6.68E-07	2.40E-08	5.81E-07	4.08E-07	3.53E-07	1.05E-07	1.47E-06
497496.65, 3858922.63	0.01087	0.002202	7.62E-07	2.30E-06	1.82E-06	1.57E-06	7.07E-07	2.55E-08	6.15E-07	4.32E-07	3.74E-07	1.12E-07	1.56E-06
497596.65, 3858922.63	0.01131	0.002291	7.93E-07	2.39E-06	1.89E-06	1.64E-06	7.36E-07	2.65E-08	6.40E-07	4.49E-07	3.89E-07	1.16E-07	1.62E-06
497696.65, 3858922.63	0.01193	0.002416	8.36E-07	2.53E-06	2.00E-06	1.73E-06	7.76E-07	2.79E-08	6.75E-07	4.74E-07	4.10E-07	1.22E-07	1.71E-06
497796.65, 3858922.63	0.01273	0.002579	8.93E-07	2.70E-06	2.13E-06	1.84E-06	8.28E-07	2.98E-08	7.20E-07	5.06E-07	4.38E-07	1.31E-07	1.82E-06
497896.65, 3858922.63	0.01343	0.00272	9.42E-07	2.84E-06	2.25E-06	1.94E-06	8.74E-07	3.14E-08	7.60E-07	5.34E-07	4.62E-07	1.38E-07	1.92E-06
497364.44, 3858201.52	0.00498	0.001009	3.49E-07	1.05E-06	8.33E-07	7.21E-07	3.24E-07	1.17E-08	2.82E-07	1.98E-07	1.71E-07	5.11E-08	7.14E-07
497414.44, 3858201.52	0.00504	0.001021	3.53E-07	1.07E-06	8.43E-07	7.29E-07	3.28E-07	1.18E-08	2.85E-07	2.00E-07	1.73E-07	5.17E-08	7.22E-07
497464.44, 3858201.52	0.00515	0.001043	3.61E-07	1.09E-06	8.61E-07	7.45E-07	3.35E-07	1.21E-08	2.91E-07	2.05E-07	1.77E-07	5.29E-08	7.38E-07
497514.44, 3858201.52	0.0053	0.001074	3.72E-07	1.12E-06	8.86E-07	7.67E-07	3.45E-07	1.24E-08	3.00E-07	2.11E-07	1.82E-07	5.44E-08	7.59E-07
497564.44, 3858201.52	0.0054	0.001094	3.79E-07	1.14E-06	9.03E-07	7.81E-07	3.51E-07	1.26E-08	3.05E-07	2.15E-07	1.86E-07	5.54E-08	7.74E-07
497614.44, 3858201.52	0.00552	0.001118	3.87E-07	1.17E-06	9.23E-07	7.99E-07	3.59E-07	1.29E-08	3.12E-07	2.19E-07	1.90E-07	5.67E-08	7.91E-07
497364.44, 3858251.52	0.00521	0.001055	3.65E-07	1.10E-06	8.71E-07	7.54E-07	3.39E-07	1.22E-08	2.95E-07	2.07E-07	1.79E-07	5.35E-08	7.46E-07
497414.44, 3858251.52	0.00533	0.00108	3.74E-07	1.13E-06	8.91E-07	7.71E-07	3.47E-07	1.25E-08	3.01E-07	2.12E-07	1.83E-07	5.47E-08	7.64E-07
497464.44, 3858251.52	0.00542	0.001098	3.80E-07	1.15E-06	9.06E-07	7.84E-07	3.53E-07	1.27E-08	3.07E-07	2.15E-07	1.86E-07	5.56E-08	7.77E-07
497514.44, 3858251.52	0.0055	0.001114	3.86E-07	1.16E-06	9.20E-07	7.96E-07	3.58E-07	1.29E-08	3.11E-07	2.19E-07	1.89E-07	5.64E-08	7.88E-07
497564.44, 3858251.52	0.00561	0.001136	3.93E-07	1.19E-06	9.38E-07	8.12E-07	3.65E-07	1.31E-08	3.17E-07	2.23E-07	1.93E-07	5.76E-08	8.04E-07
497614.44, 3858251.52	0.00573	0.001161	4.02E-07	1.21E-06	9.58E-07	8.29E-07	3.73E-07	1.34E-08	3.24E-07	2.28E-07	1.97E-07	5.88E-08	8.21E-07
497364.44, 3858301.52	0.00542	0.001098	3.80E-07	1.15E-06	9.06E-07	7.84E-07	3.53E-07	1.27E-08	3.07E-07	2.15E-07	1.86E-07	5.56E-08	7.77E-07
497414.44, 3858301.52	0.00556	0.001126	3.90E-07	1.18E-06	9.30E-07	8.05E-07	3.62E-07	1.30E-08	3.14E-07	2.21E-07	1.91E-07	5.71E-08	7.97E-07
497464.44, 3858301.52	0.00564	0.001142	3.95E-07	1.19E-06	9.43E-07	8.16E-07	3.67E-07	1.32E-08	3.19E-07	2.24E-07	1.94E-07	5.79E-08	8.08E-07
497514.44, 3858301.52	0.00574	0.001163	4.02E-07	1.22E-06	9.60E-07	8.31E-07	3.73E-07	1.34E-08	3.25E-07	2.28E-07	1.97E-07	5.89E-08	8.22E-07
497564.44, 3858301.52	0.00584	0.001183	4.09E-07	1.24E-06	9.77E-07	8.45E-07	3.80E-07	1.37E-08	3.30E-07	2.32E-07	2.01E-07	5.99E-08	8.37E-07
497614.44, 3858301.52	0.00596	0.001207	4.18E-07	1.26E-06	9.97E-07	8.62E-07	3.88E-07	1.40E-08	3.37E-07	2.37E-07	2.05E-07	6.12E-08	8.54E-07
497364.44, 3858351.52	0.00569	0.001153	3.99E-07	1.20E-06	9.52E-07	8.23E-07	3.70E-07	1.33E-08	3.22E-07	2.26E-07	1.96E-07	5.84E-08	8.15E-07
497414.44, 3858351.52	0.00578	0.001171	4.05E-07	1.22E-06	9.67E-07	8.36E-07	3.76E-07	1.35E-08	3.27E-07	2.30E-07	1.99E-07	5.93E-08	8.28E-07
497464.44, 3858351.52	0.00589	0.001193	4.13E-07	1.25E-06	9.85E-07	8.52E-07	3.83E-07	1.38E-08	3.33E-07	2.34E-07	2.03E-07	6.04E-08	8.44E-07
497514.44, 3858351.52	0.006	0.001215	4.21E-07	1.27E-06	1.00E-06	8.68E-07	3.90E-07	1.40E-08	3.39E-07	2.38E-07	2.06E-07	6.16E-08	8.60E-07
497564.44, 3858351.52	0.0061	0.001236	4.28E-07	1.29E-06	1.02E-06	8.83E-07	3.97E-07	1.43E-08	3.45E-07	2.42E-07	2.10E-07	6.26E-08	8.74E-07
497614.44, 3858351.52	0.00622	0.00126	4.36E-07	1.32E-06	1.04E-06	9.00E-07	4.05E-07	1.46E-08	3.52E-07	2.47E-07	2.14E-07	6.38E-08	8.91E-07
497364.44, 3858401.52	0.00587	0.001189	4.12E-07	1.24E-06	9.82E-07	8.49E-07	3.82E-07	1.37E-08	3.32E-07	2.33E-07	2.02E-07	6.02E-08	8.41E-07
497414.44, 3858401.52	0.00603	0.001221	4.23E-07	1.28E-06	1.01E-06	8.73E-07	3.92E-07	1.41E-08	3.41E-07	2.40E-07	2.07E-07	6.19E-08	8.64E-07
497464.44, 3858401.52	0.00614	0.001244	4.31E-07	1.30E-06	1.03E-06	8.88E-07	4.00E-07	1.44E-08	3.47E-07	2.44E-07	2.11E-07	6.30E-08	8.80E-07
497514.44, 3858401.52	0.00626	0.001268	4.39E-07	1.33E-06	1.05E-06	9.06E-07	4.07E-07	1.47E-08	3.54E-07	2.49E-07	2.15E-07	6.42E-08	8.97E-07
497564.44, 3858401.52	0.00643	0.001302	4.51E-07	1.36E-06	1.08E-06	9.30E-07	4.18E-07	1.51E-08	3.64E-07	2.55E-07	2.21E-07	6.60E-08	9.21E-07
497614.44, 3858401.52	0.00654	0.001325	4.59E-07	1.38E-06	1.09E-06	9.46E-07	4.26E-07	1.53E-08	3.70E-07	2.60E-07	2.25E-07	6.71E-08	9.37E-07
493478.11, 3860497.94	0.11291	0.02287	7.92E-06	2.39E-05	1.89E-05	1.63E-05	7.35E-06	2.64E-07	6.39E-06	4.49E-06	3.88E-06	1.16E-06	1.62E-05
493528.11, 3860497.94	0.11557	0.023409	8.10E-06	2.45E-05	1.93E-05	1.67E-05	7.52E-06	2.71E-07	6.54E-06	4.59E-06	3.97E-06	1.19E-06	1.66E-05
493478.11, 3860547.94	0.13422	0.027187	9.41E-06	2.84E-05	2.24E-05	1.94E-05	8.73E-06	3.14E-07	7.59E-06	5.33E-06	4.61E-06	1.38E-06	1.92E-05
493528.11, 3860547.94	0.13835	0.028023	9.70E-06	2.93E-05	2.31E-05	2.00E-05	9.00E-06	3.24E-07	7.82E-06	5.50E-06	4.76E-06	1.42E-06	1.98E-05
493478.11, 3860597.94	0.15997	0.032402	1.12E-05	3.39E-05	2.68E-05	2.31E-05	1.04E-05	3.75E-07	9.05E-06	6.36E-06	5.50E-06	1.64E-06	2.29E-05
493528.11, 3860597.94	0.16497	0.033415	1.16E-05	3.49E-05	2.76E-05	2.39E-05	1.07E-05	3.86E-07	9.33E-06	6.55E-06	5.67E-06	1.69E-06	2.36E-05
493561.88, 3860524.64	0.12826	0.02598	8.99E-06	2.72E-05	2.14E-05	1.86E-05	8.35E-06	3.00E-07	7.25E-06	5.10E-06	4.41E-06	1.32E-06	1.84E-05
493591.88, 3860524.64	0.12792	0.025911	8.97E-06	2.71E-05	2.14E-05	1.85E-05	8.32E-06	3.00E-07	7.23E-06	5.08E-06	4.40E-06	1.31E-06	1.83E-05
493561.88, 3860554.64	0.14325	0.029016	1.00E-05	3.03E-05	2.40E-05	2.07E-05	9.32E-06	3.35E-07	8.10E-06	5.69E-06	4.93E-06	1.47E-06	2.05E-05
493591.88, 3860554.64	0.14139	0.028639	9.91E-06	2.99E-05	2.36E-05	2.05E-05	9.20E-06	3.31E-07	8.00E-06	5.62E-06	4.86E-06	1.45E-06	2.03E-05
492880.5, 3860293.11	0.06024	0.012202	4.22E-06	1.28E-05	1.01E-05	8.72E-06	3.92E-06	1.41E-07	3.41E-06	2.39E-06	2.07E-06	6.18E-07	8.63E-06
492930.5, 3860293.11	0.05924	0.011999	4.15E-06	1.25E-05	9.91E-06	8.57E-06	3.85E-06	1.39E-07	3.35E-06	2.35E-06	2.04E-06	6.08E-07	8.49E-06
492980.5, 3860293.11	0.05817	0.011783	4.08E-06	1.23E-05	9.73E-06	8.42E-06	3.78E-06	1.36E-07	3.29E-06	2.31E-06	2.00E-06	5.97E-07	8.33E-06
493030.5, 3860293.11	0.04813	0.009749	3.37E-06	1.02E-05	8.05E-06	6.96E-06	3.13E-06	1.13E-07	2.72E-06	1.91E-06	1.65E-06	4.94E-07	6.90E-06
493080.5, 3860293.11	0.04699	0.009518	3.29E-06	9.95E-06	7.86E-06	6.80E-06	3.06E-06	1.10E-07	2.66E-06	1.87E-06	1.62E-06	4.82E-07	6.73E-06
493130.5, 3860293.11	0.05205	0.010543	3.65E-06	1.10E-05	8.70E-06	7.53E-06	3.39E-06	1.22E-07	2.94E-06	2.07E-06	1.79E-06	5.34E-07	7.46E-06
493180.5, 3860293.11	0.05673	0.011491	3.98E-06	1.20E-05	9.49E-06	8.21E-06	3.69E-06	1.33E-07	3.21E-06	2.25E-06	1.95E-06	5.82E-07	8.13E-06
493230.5, 3860293.11	0.05819	0.011787	4.08E-06	1.23E-05	9.73E-06	8.42E-06	3.79E-06	1.36E-07	3.29E-06	2.31E-06	2.00E-06	5.97E-07	8.34E-06
493280.5, 3860293.11	0.05547	0.011236	3.89E-06	1.17E-05	9.28E-06	8.03E-06	3.61E-06	1.30E-07	3.14E-06	2.20E-06	1.91E-06	5.69E-07	7.95E-06
493330.5, 3860293.11	0.05484	0.011108	3.85E-06	1.16E-05	9.17E-06	7.94E-06	3.57E-06	1.28E-07	3.10E-06	2.18E-06	1.89E-06	5.63E-07	7.86E-06
493380.5, 3860293.11	0.05511	0.011163	3.86E-06	1.17E-05	9.22E-06	7.97E-06	3.59E-06	1.29E-07	3.12E-06	2.19E-06	1.89E-06	5.66E-07	7.90E-06
492880.5, 3860343.11	0.06705	0.013581	4.70E-06	1.42E-05	1.12E-05	9.70E-06	4.36E-06	1.57E-07	3.79E-06	2.66E-06	2.31E-06	6.88E-07	9.61E-06
492930.5, 3860343.11	0.06667	0.013504	4.67E-06	1.41E-05	1.11E-05	9.65E-06	4.34E-06	1.56E-07	3.77E-06	2.65E-06	2.29E-06	6.84E-07	9.55E-06
492980.5, 3860343.11	0.05942	0.012036	4.17E-06	1.26E-05	9.94E-06	8.60E-06	3.87E-06	1.39E-07	3.36E-06	2.36E-06	2.04E-06	6.10E-07	8.51E-06
493030.5, 3860343.11	0.05529	0.011199	3.88E-06	1.17E-05	9.25E-06	8.00E-06	3.60E-06	1.29E-07	3.13E-06	2.20E-06	1.90E-06	5.67E-07	7.92E-06
493080.5, 3860343.11	0.05472	0.011084	3.84E-06	1.16E-05	9.15E-06	7.92E-06	3.56E-06	1.28E-07	3.09E-06	2.17E-06	1.88E-06	5.62E-07	7.84E-06
493130.5, 3860343.11	0.05766	0.011679	4.04E-06	1.22E-05	9.64E-06	8.34E-06	3.75E-06	1.35E-07	3.26E-06	2.29E-06	1.98E-06	5.92E-07	8.26E-06
493180.5, 3860343.11	0.06029	0.012212	4.23E-06	1.28E-05	1.01E-05	8.72E-06	3.92E-06	1.41E-07	3.41E-06	2.40E-06	2.07E-06	6.19E-07	8.64E-06
493230.5, 3860343.11	0.06578	0.013324	4.61E-06	1.39E-05	1.10E-05	9.52E-06	4.28E-06	1.54E-07	3.72E-06	2.61E-06	2.26E-06	6.75E-07	9.42E-06

493280.5, 3860343.11	0.06291	0.012743	4.41E-06	1.33E-05	1.05E-05	9.10E-06	4.09E-06	1.47E-07	3.56E-06	2.50E-06	2.16E-06	6.46E-07	9.01E-06
493330.5, 3860343.11	0.06156	0.012469	4.32E-06	1.30E-05	1.03E-05	8.91E-06	4.01E-06	1.44E-07	3.48E-06	2.45E-06	2.12E-06	6.32E-07	8.82E-06
493380.5, 3860343.11	0.06214	0.012587	4.36E-06	1.32E-05	1.04E-05	8.99E-06	4.04E-06	1.45E-07	3.51E-06	2.47E-06	2.14E-06	6.38E-07	8.90E-06
492880.5, 3860393.11	0.07537	0.015266	5.28E-06	1.60E-05	1.26E-05	1.09E-05	4.90E-06	1.76E-07	4.26E-06	2.99E-06	2.59E-06	7.74E-07	1.08E-05
492930.5, 3860393.11	0.07358	0.014904	5.16E-06	1.56E-05	1.23E-05	1.06E-05	4.79E-06	1.72E-07	4.16E-06	2.92E-06	2.53E-06	7.55E-07	1.05E-05
492980.5, 3860393.11	0.06593	0.013354	4.62E-06	1.40E-05	1.10E-05	9.54E-06	4.29E-06	1.54E-07	3.73E-06	2.62E-06	2.27E-06	6.77E-07	9.45E-06
493030.5, 3860393.11	0.06305	0.012771	4.42E-06	1.33E-05	1.05E-05	9.12E-06	4.10E-06	1.48E-07	3.57E-06	2.51E-06	2.17E-06	6.47E-07	9.03E-06
493080.5, 3860393.11	0.0623	0.012619	4.37E-06	1.32E-05	1.04E-05	9.01E-06	4.05E-06	1.46E-07	3.52E-06	2.48E-06	2.14E-06	6.39E-07	8.93E-06
493130.5, 3860393.11	0.06701	0.013573	4.70E-06	1.42E-05	1.12E-05	9.70E-06	4.36E-06	1.57E-07	3.79E-06	2.66E-06	2.30E-06	6.88E-07	9.60E-06
493180.5, 3860393.11	0.07406	0.015001	5.19E-06	1.57E-05	1.24E-05	1.07E-05	4.82E-06	1.73E-07	4.19E-06	2.94E-06	2.55E-06	7.60E-07	1.06E-05
493230.5, 3860393.11	0.07513	0.015218	5.27E-06	1.59E-05	1.26E-05	1.09E-05	4.89E-06	1.76E-07	4.25E-06	2.99E-06	2.58E-06	7.71E-07	1.08E-05
493280.5, 3860393.11	0.0719	0.014564	5.04E-06	1.52E-05	1.20E-05	1.04E-05	4.68E-06	1.68E-07	4.07E-06	2.86E-06	2.47E-06	7.38E-07	1.03E-05
493330.5, 3860393.11	0.07057	0.014294	4.95E-06	1.49E-05	1.18E-05	1.02E-05	4.59E-06	1.65E-07	3.99E-06	2.80E-06	2.43E-06	7.24E-07	1.01E-05
493380.5, 3860393.11	0.0709	0.014361	4.97E-06	1.50E-05	1.19E-05	1.03E-05	4.61E-06	1.66E-07	4.01E-06	2.82E-06	2.44E-06	7.28E-07	1.02E-05
492880.5, 3860443.11	0.08385	0.016984	5.88E-06	1.78E-05	1.40E-05	1.21E-05	5.46E-06	1.96E-07	4.74E-06	3.33E-06	2.88E-06	8.61E-07	1.20E-05
492930.5, 3860443.11	0.08512	0.017241	5.97E-06	1.80E-05	1.42E-05	1.23E-05	5.54E-06	1.99E-07	4.81E-06	3.38E-06	2.93E-06	8.74E-07	1.22E-05
492980.5, 3860443.11	0.07901	0.016004	5.54E-06	1.67E-05	1.32E-05	1.14E-05	5.14E-06	1.85E-07	4.47E-06	3.14E-06	2.72E-06	8.11E-07	1.13E-05
493030.5, 3860443.11	0.07799	0.015797	5.47E-06	1.65E-05	1.30E-05	1.13E-05	5.07E-06	1.83E-07	4.41E-06	3.10E-06	2.68E-06	8.00E-07	1.12E-05
493080.5, 3860443.11	0.07481	0.015153	5.25E-06	1.58E-05	1.25E-05	1.08E-05	4.87E-06	1.75E-07	4.23E-06	2.97E-06	2.57E-06	7.68E-07	1.07E-05
493130.5, 3860443.11	0.07541	0.015275	5.29E-06	1.60E-05	1.26E-05	1.09E-05	4.91E-06	1.77E-07	4.26E-06	3.00E-06	2.59E-06	7.74E-07	1.08E-05
493180.5, 3860443.11	0.0886	0.017946	6.21E-06	1.88E-05	1.48E-05	1.28E-05	5.76E-06	2.07E-07	5.01E-06	3.52E-06	3.05E-06	9.09E-07	1.27E-05
493230.5, 3860443.11	0.08495	0.017207	5.96E-06	1.80E-05	1.42E-05	1.23E-05	5.53E-06	1.99E-07	4.80E-06	3.38E-06	2.92E-06	8.72E-07	1.22E-05
493280.5, 3860443.11	0.08425	0.017065	5.91E-06	1.78E-05	1.41E-05	1.22E-05	5.48E-06	1.97E-07	4.76E-06	3.35E-06	2.90E-06	8.65E-07	1.21E-05
493330.5, 3860443.11	0.08123	0.016453	5.70E-06	1.72E-05	1.36E-05	1.18E-05	5.29E-06	1.90E-07	4.59E-06	3.23E-06	2.79E-06	8.34E-07	1.16E-05
493380.5, 3860443.11	0.08376	0.016966	5.87E-06	1.77E-05	1.40E-05	1.21E-05	5.45E-06	1.96E-07	4.74E-06	3.33E-06	2.88E-06	8.60E-07	1.20E-05
493180.5, 3860493.11	0.10035	0.020326	7.04E-06	2.12E-05	1.68E-05	1.45E-05	6.53E-06	2.35E-07	5.68E-06	3.99E-06	3.45E-06	1.03E-06	1.44E-05
493230.5, 3860493.11	0.09953	0.02016	6.98E-06	2.11E-05	1.66E-05	1.44E-05	6.48E-06	2.33E-07	5.63E-06	3.95E-06	3.42E-06	1.02E-06	1.43E-05
493280.5, 3860493.11	0.09819	0.019889	6.88E-06	2.08E-05	1.64E-05	1.42E-05	6.39E-06	2.30E-07	5.55E-06	3.90E-06	3.38E-06	1.01E-06	1.41E-05
493330.5, 3860493.11	0.09837	0.019925	6.90E-06	2.08E-05	1.65E-05	1.42E-05	6.40E-06	2.30E-07	5.56E-06	3.91E-06	3.38E-06	1.01E-06	1.41E-05
493380.5, 3860493.11	0.10197	0.020654	7.15E-06	2.16E-05	1.71E-05	1.48E-05	6.63E-06	2.39E-07	5.77E-06	4.05E-06	3.51E-06	1.05E-06	1.46E-05
493330.5, 3860543.11	0.11667	0.023632	8.18E-06	2.47E-05	1.95E-05	1.69E-05	7.59E-06	2.73E-07	6.60E-06	4.64E-06	4.01E-06	1.20E-06	1.67E-05
493380.5, 3860543.11	0.12171	0.024653	8.53E-06	2.58E-05	2.04E-05	1.76E-05	7.92E-06	2.85E-07	6.88E-06	4.84E-06	4.18E-06	1.25E-06	1.74E-05
494135.94, 3860876.85	0.42597	0.086282	2.99E-05	9.02E-05	7.12E-05	6.16E-05	2.77E-05	9.97E-07	2.41E-05	1.69E-05	1.46E-05	4.37E-06	6.10E-05
494185.94, 3860876.85	0.42169	0.085415	2.96E-05	8.93E-05	7.05E-05	6.10E-05	2.74E-05	9.87E-07	2.38E-05	1.68E-05	1.45E-05	4.33E-06	6.04E-05
494135.94, 3860926.85	0.51668	0.104655	3.62E-05	1.09E-04	8.64E-05	7.48E-05	3.36E-05	1.21E-06	2.92E-05	2.05E-05	1.78E-05	5.30E-06	7.40E-05
494185.94, 3860926.85	0.50581	0.102454	3.55E-05	1.07E-04	8.46E-05	7.32E-05	3.29E-05	1.18E-06	2.86E-05	2.01E-05	1.74E-05	5.19E-06	7.25E-05
494135.94, 3860976.85	0.62279	0.126148	4.37E-05	1.32E-04	1.04E-04	9.01E-05	4.05E-05	1.46E-06	3.52E-05	2.47E-05	2.14E-05	6.39E-06	8.92E-05
494185.94, 3860976.85	0.60622	0.122792	4.25E-05	1.28E-04	1.01E-04	8.77E-05	3.94E-05	1.42E-06	3.43E-05	2.41E-05	2.08E-05	6.22E-06	8.69E-05
494135.94, 3861026.85	0.76018	0.153977	5.33E-05	1.61E-04	1.27E-04	1.10E-04	4.95E-05	1.78E-06	4.30E-05	3.02E-05	2.61E-05	7.80E-06	1.09E-04
494185.94, 3861026.85	0.7334	0.148553	5.14E-05	1.55E-04	1.23E-04	1.06E-04	4.77E-05	1.72E-06	4.15E-05	2.91E-05	2.52E-05	7.53E-06	1.05E-04
494135.94, 3861076.85	0.92965	0.188304	6.52E-05	1.97E-04	1.55E-04	1.35E-04	6.05E-05	2.18E-06	5.26E-05	3.69E-05	3.20E-05	9.54E-06	1.33E-04
494185.94, 3861076.85	0.89431	0.181146	6.27E-05	1.89E-04	1.50E-04	1.29E-04	5.82E-05	2.09E-06	5.06E-05	3.55E-05	3.07E-05	9.18E-06	1.28E-04
490360.04, 3858710.04	0.01589	0.003219	1.11E-06	3.36E-06	2.66E-06	2.30E-06	1.03E-06	3.72E-08	8.99E-07	6.31E-07	5.46E-07	1.63E-07	2.28E-06
490410.04, 3858710.04	0.01548	0.003136	1.09E-06	3.28E-06	2.59E-06	2.24E-06	1.01E-06	3.62E-08	8.76E-07	6.15E-07	5.32E-07	1.59E-07	2.22E-06
490460.04, 3858710.04	0.01477	0.002992	1.04E-06	3.13E-06	2.47E-06	2.14E-06	9.61E-07	3.46E-08	8.35E-07	5.87E-07	5.08E-07	1.52E-07	2.12E-06
490510.04, 3858710.04	0.01441	0.002919	1.01E-06	3.05E-06	2.41E-06	2.09E-06	9.38E-07	3.37E-08	8.15E-07	5.73E-07	4.95E-07	1.48E-07	2.06E-06
490560.04, 3858710.04	0.01415	0.002866	9.92E-07	3.00E-06	2.37E-06	2.05E-06	9.21E-07	3.31E-08	8.00E-07	5.62E-07	4.86E-07	1.45E-07	2.03E-06
490610.04, 3858710.04	0.01385	0.002805	9.71E-07	2.93E-06	2.32E-06	2.00E-06	9.01E-07	3.24E-08	7.83E-07	5.50E-07	4.76E-07	1.42E-07	1.98E-06
490660.04, 3858710.04	0.01381	0.002797	9.68E-07	2.92E-06	2.31E-06	2.00E-06	8.99E-07	3.23E-08	7.81E-07	5.49E-07	4.75E-07	1.42E-07	1.98E-06
490710.04, 3858710.04	0.01342	0.002718	9.41E-07	2.84E-06	2.24E-06	1.94E-06	8.73E-07	3.14E-08	7.59E-07	5.33E-07	4.61E-07	1.38E-07	1.92E-06
490760.04, 3858710.04	0.01315	0.002664	9.22E-07	2.78E-06	2.20E-06	1.90E-06	8.56E-07	3.08E-08	7.44E-07	5.23E-07	4.52E-07	1.35E-07	1.88E-06
490810.04, 3858710.04	0.01293	0.002619	9.07E-07	2.74E-06	2.16E-06	1.87E-06	8.41E-07	3.03E-08	7.31E-07	5.14E-07	4.45E-07	1.33E-07	1.85E-06
490860.04, 3858710.04	0.0126	0.002552	8.83E-07	2.67E-06	2.11E-06	1.82E-06	8.20E-07	2.95E-08	7.13E-07	5.01E-07	4.33E-07	1.29E-07	1.81E-06
490360.04, 3858760.04	0.01604	0.003249	1.12E-06	3.40E-06	2.68E-06	2.32E-06	1.04E-06	3.76E-08	9.07E-07	6.37E-07	5.51E-07	1.65E-07	2.30E-06
490410.04, 3858760.04	0.0156	0.00316	1.09E-06	3.30E-06	2.61E-06	2.26E-06	1.02E-06	3.65E-08	8.82E-07	6.20E-07	5.36E-07	1.60E-07	2.24E-06
490460.04, 3858760.04	0.01507	0.003052	1.06E-06	3.19E-06	2.52E-06	2.18E-06	9.81E-07	3.53E-08	8.52E-07	5.99E-07	5.18E-07	1.55E-07	2.16E-06
490510.04, 3858760.04	0.01453	0.002943	1.02E-06	3.08E-06	2.43E-06	2.10E-06	9.45E-07	3.40E-08	8.22E-07	5.77E-07	5.00E-07	1.49E-07	2.08E-06
490560.04, 3858760.04	0.01419	0.002874	9.95E-07	3.00E-06	2.37E-06	2.05E-06	9.23E-07	3.32E-08	8.03E-07	5.64E-07	4.88E-07	1.46E-07	2.03E-06
490610.04, 3858760.04	0.0138	0.002795	9.68E-07	2.92E-06	2.31E-06	2.00E-06	8.98E-07	3.23E-08	7.80E-07	5.48E-07	4.74E-07	1.42E-07	1.98E-06
490660.04, 3858760.04	0.01349	0.002732	9.46E-07	2.86E-06	2.26E-06	1.95E-06	8.78E-07	3.16E-08	7.63E-07	5.36E-07	4.64E-07	1.38E-07	1.93E-06
490710.04, 3858760.04	0.01318	0.00267	9.24E-07	2.79E-06	2.20E-06	1.91E-06	8.58E-07	3.09E-08	7.45E-07	5.24E-07	4.53E-07	1.35E-07	1.89E-06
490760.04, 3858760.04	0.01281	0.002595	8.98E-07	2.71E-06	2.14E-06	1.85E-06	8.34E-07	3.00E-08	7.24E-07	5.09E-07	4.40E-07	1.31E-07	1.84E-06
490810.04, 3858760.04	0.01252	0.002536	8.78E-07	2.65E-06	2.09E-06	1.81E-06	8.15E-07	2.93E-08	7.08E-07	4.97E-07	4.30E-07	1.28E-07	1.79E-06
490860.04, 3858760.04	0.01234	0.0025	8.65E-07	2.61E-06	2.06E-06	1.79E-06	8.03E-07	2.89E-08	6.98E-07	4.90E-07	4.24E-07	1.27E-07	1.77E-06
490360.04, 3858810.04	0.01589	0.003219	1.11E-06	3.36E-06	2.66E-06	2.30E-06	1.03E-06	3.72E-08	8.99E-07	6.31E-07	5.46E-07	1.63E-07	2.28E-06
490410.04, 3858810.04	0.01546	0.003131	1.08E-06	3.27E-06	2.59E-06	2.24E-06	1.01E-06	3.62E-08	8.74E-07	6.14E-07	5.32E-07	1.59E-07	2.22E-06
490460.04, 3858810.04	0.01501	0.00304	1.05E-06	3.18E-06	2.51E-06	2.17E-06	9.77E-07	3.51E-08	8.49E-07	5.96E-07	5.16E-07	1.54E-07	2.15E-06
490510.04, 3858810.04	0.01475	0.002988	1.03E-06	3.12E-06	2.47E-06	2.13E-06	9.60E-07	3.45E-08	8.34E-07	5.86E-07	5.07E-07	1.51E-07	2.11E-06
490560.04, 3858810.04	0.01442	0.002921	1.01E-06	3.05E-06	2.41E-06	2.09E-06	9.38E-07	3.38E-08	8.16E-07	5.73E-07	4.96E-07	1.48E-07	2.07E-06
490610.04, 3858810.04	0.0139	0.002815	9.75E-07	2.94E-06	2.32E-06	2.01E-06	9.04E-07	3.25E-08	7.86E-07	5.52E-07	4.78E-07	1.43E-07	1.99E-06
490660.04, 3858810.04	0.01352	0.002739	9.48E-07	2.86E-06	2.26E-06	1.96E-06	8.80E-07	3.17E-08	7.65E-07	5.37E-07	4.65E-07	1.39E-07	1.94E-06
490710.04, 3858810.04	0.0131	0.002653	9.19E-07	2.77E-06	2.19E-06	1.90E-06	8.52E-07	3.07E-08	7.41E-07	5.21E-07	4.50E-07	1.34E-07	1.88E-06
490760.04, 3858810.04	0.01256	0.002544	8.81E-07	2.66E-06	2.10E-06	1.82E-06	8.17E-07	2.94E-08	7.10E-07	4.99E-07	4.32E-07	1.29E-07	1.80E-06
490810.04, 3858810.04	0.01245	0.002522	8.73E-07	2.64E-06	2.08E-06	1.80E-06	8.10E-07	2.92E-08	7.04E-07	4.95E-07	4.28E-07	1.28E-07	1.78E-06
490860.04, 3858810.04	0.01212	0.002455	8.50E-07	2.57E-06	2.03E-06	1.75E-06	7.89E-07	2.84E-08	6.85E-07	4.82E-07	4.17E-07	1.24E-07	1.74E-06
490360.04, 3858860.04	0.01548	0.003136	1.09E-06	3.28E-06	2.59E-06	2.24E-06	1.01E-06	3.62E-08	8.76E-07	6.15E-07	5.32E-07	1.59E-07	2.22E-06
490410.04, 3858860.04	0.01546	0.003131	1.08E-06	3.27E-06	2.59E-06	2.24E-06	1.01E-06	3.62E-08	8.74E-07	6.14E-07	5.32E-07	1.59E-07	2.22E-06
490460.04, 3858860.04	0.01496	0.00303	1.05E-06	3.17E-06	2.50E-06	2.16E-06	9.73E-07	3.50E-08	8.46E-07	5.94E-07	5.14E-07	1.54E-07	2.14E-06
490510.04, 3858860.04	0.01492	0.003022	1.05E-06	3.16E-06	2.50E-06	2.16E-06	9.71E-07	3.49E-08	8.44E-07	5.93E-07	5.13E-07	1.53E-07	2.14E-06
490560.04, 3858860.04	0.0145	0.002937	1.02E-06	3.07E-06	2.42E-06	2.10E-06	9.43E-07	3.40E-08	8.20E-07	5.76E-07	4.99E-07	1.49E-07	2.08E-06
490610.04, 3858860.04	0.01384	0.002803	9.70E-07	2.93E-06	2.31E-06	2.00E-06	9.01E-07	3.24E-08	7.83E-07	5.50E-07	4.76E-07	1.42E-07	1.98E-06
490660.04, 3858860.04	0.01351	0.002736	9.47E-07	2.86E-06	2.26E-06	1.95E-06	8.79E-07	3.16E-08	7.64E-07	5.37E-07	4.64E-07	1.39E-07	1.94E-06
490710.04, 3858860.04	0.01329	0.002692	9.32E-07	2.81E-06	2.22E-06	1.92E-06	8.65E-07	3.11E-08	7.52E-07	5.28E-07	4.57E-07	1.36E-07	1.90E-06
490760.04, 3858860.04	0.01276	0.002585	8.95E-07	2.70E-06	2.13E-06	1.85E-06	8.30E-07	2.99E-08	7.22E-07	5.07E-07	4.39E-07	1.31E-07	1.83E-06
490810.04, 3858860.04	0.01232	0.002495	8.64E-07	2.61E-06	2.06E-06	1.78E-06	8.02E-07	2.88E-08	6.97E-07	4.90E-07	4.24E-07	1.26E-07	1.77E-06
490860.04, 3858860.04	0.0119	0.00241	8.34E-07	2.52E-06	1.99E-06	1.72E-06	7.74E-07	2.79E-08	6.73E-07	4.73E-07	4.09E-07	1.22E-07	1.70E-06
490360.04, 3858910.04	0.01581	0.003202	1.11E-06	3.35E-06	2.64E-06	2.29E-06	1.03E-06	3.70E-08	8.94E-07	6.28E-07	5.44E-07	1.62E-07	2.27E-06
490410.04, 3858910.04	0.01553	0.003146	1.09E-06	3.29E-06	2.60E-06	2.25E-06	1.01E-06	3.64E-08	8.78E-07	6.17E-07	5.34E-07	1.59E-07	2.23E-06
490460.04, 3858910.04	0.01519	0.003077	1.07E-06	3.22E-06	2.54E-06	2.20E-06	9.88E-07	3.56E-08	8.59E-07	6.04E-07	5.22E-07	1.56E-07	2.18E-06
490510.04, 3858910.04	0.01479	0.002996	1.04E-06	3.13E-06	2.47E-06	2.14E-06	9.62E-07	3.46E-08	8.36E-07	5.88E-07	5.08E-07	1.52E-07	2.12E-06
490560.04, 3858910.04	0.01434	0.002905	1.01E-06	3.04E-06	2.40E-06	2.08E-06	9.33E-07	3.36E-08	8.11E-07	5.70E-07	4.93E-07	1.47E-07	2.05E-06
490610.04, 3858910.04	0.01386	0.002807	9.72E-07	2.93E-06	2.32E-06	2.01E-06	9.02E-07	3.25E-08	7.84E-07	5.51E-07	4.77E-07	1.42E-07	1.99E-06
490660.04, 3858910.04	0.01353	0.002741	9.49E-07	2.86E-06	2.26E-06	1.96E-06	8.80E-07	3.17E-08	7.65E-07	5.38E-07	4.65E-07	1.39E-07	1.94E-06
490710.04, 3858910.04	0.0131	0.002653	9.19E-07	2.77E-06	2.19E-06	1.90E-06	8.52E-07	3.07E-08	7.41E-07	5.21E-07	4.50E-07	1.34E-07	1.88E-06
490760.04, 3858910.04	0.01257	0.002546	8.81E-07	2.66E-06	2.10E-06	1.82E-06	8.18E-07	2.94E-08	7.11E-07	4.99E-07	4.32E-07	1.29E-07	1.80E-06
490810.04, 3858910.04	0.01225	0.002481	8.59E-07	2.59E-06	2.05E-06	1.77E-06	7.97E-07	2.87E-08	6.93E-07	4.87E-07	4.21E-07	1.26E-07	1.76E-06
490860.04, 3858910.04	0.01177	0.002384	8.25E-07	2.49E-06	1.97E-06	1.70E-06	7.66E-07	2.76E-08	6.66E-07	4.68E-07	4.05E-07	1.21E-07	1.69E-06
490360.04, 3858960.04	0.01569	0.003178	1.10E-06	3.32E-06	2.62E-06	2.27E-06	1.02E-06	3.67E-08	8.87E-07	6.23E-07	5.39E-07	1.61E-07	2.25E-06
490410.04, 3858960.04	0.01528	0.003095	1.07E-06	3.23E-06	2.56E-06	2.21E-06	9.94E-07	3.58E-08	8.64E-07	6.07E-07	5.25E-07	1.57E-07	2.19E-06

490460.04, 3858960.04	0.01484	0.003006	1.04E-06	3.14E-06	2.48E-06	2.15E-06	9.66E-07	3.47E-08	8.39E-07	5.90E-07	5.10E-07	1.52E-07	2.13E-06
490510.04, 3858960.04	0.01452	0.002941	1.02E-06	3.07E-06	2.43E-06	2.10E-06	9.45E-07	3.40E-08	8.21E-07	5.77E-07	4.99E-07	1.49E-07	2.08E-06
490560.04, 3858960.04	0.01418	0.002872	9.94E-07	3.00E-06	2.37E-06	2.05E-06	9.23E-07	3.32E-08	8.02E-07	5.63E-07	4.88E-07	1.46E-07	2.03E-06
490610.04, 3858960.04	0.01364	0.002763	9.56E-07	2.89E-06	2.28E-06	1.97E-06	8.88E-07	3.19E-08	7.71E-07	5.42E-07	4.69E-07	1.40E-07	1.95E-06
490660.04, 3858960.04	0.01354	0.002743	9.49E-07	2.87E-06	2.26E-06	1.96E-06	8.81E-07	3.17E-08	7.66E-07	5.38E-07	4.66E-07	1.39E-07	1.94E-06
490710.04, 3858960.04	0.01301	0.002635	9.12E-07	2.75E-06	2.18E-06	1.88E-06	8.47E-07	3.05E-08	7.36E-07	5.17E-07	4.47E-07	1.34E-07	1.86E-06
490760.04, 3858960.04	0.01259	0.00255	8.83E-07	2.67E-06	2.11E-06	1.82E-06	8.19E-07	2.95E-08	7.12E-07	5.00E-07	4.33E-07	1.29E-07	1.80E-06
490810.04, 3858960.04	0.01217	0.002465	8.53E-07	2.58E-06	2.04E-06	1.76E-06	7.92E-07	2.85E-08	6.88E-07	4.84E-07	4.18E-07	1.25E-07	1.74E-06
490860.04, 3858960.04	0.01166	0.002362	8.18E-07	2.47E-06	1.95E-06	1.69E-06	7.59E-07	2.73E-08	6.59E-07	4.63E-07	4.01E-07	1.20E-07	1.67E-06
490360.04, 3859010.04	0.01562	0.003164	1.10E-06	3.31E-06	2.61E-06	2.26E-06	1.02E-06	3.66E-08	8.83E-07	6.21E-07	5.37E-07	1.60E-07	2.24E-06
490410.04, 3859010.04	0.01511	0.003061	1.06E-06	3.20E-06	2.53E-06	2.19E-06	9.83E-07	3.54E-08	8.55E-07	6.00E-07	5.19E-07	1.55E-07	2.16E-06
490460.04, 3859010.04	0.0145	0.002937	1.02E-06	3.07E-06	2.42E-06	2.10E-06	9.43E-07	3.40E-08	8.20E-07	5.76E-07	4.99E-07	1.49E-07	2.08E-06
490510.04, 3859010.04	0.01397	0.00283	9.80E-07	2.96E-06	2.34E-06	2.02E-06	9.09E-07	3.27E-08	7.90E-07	5.55E-07	4.80E-07	1.43E-07	2.00E-06
490560.04, 3859010.04	0.01386	0.002807	9.72E-07	2.93E-06	2.32E-06	2.01E-06	9.02E-07	3.25E-08	7.84E-07	5.51E-07	4.77E-07	1.42E-07	1.99E-06
490610.04, 3859010.04	0.01339	0.002712	9.39E-07	2.83E-06	2.24E-06	1.94E-06	8.71E-07	3.14E-08	7.57E-07	5.32E-07	4.60E-07	1.37E-07	1.92E-06
490660.04, 3859010.04	0.01335	0.002704	9.36E-07	2.83E-06	2.23E-06	1.93E-06	8.69E-07	3.13E-08	7.55E-07	5.30E-07	4.59E-07	1.37E-07	1.91E-06
490710.04, 3859010.04	0.01284	0.002601	9.00E-07	2.72E-06	2.15E-06	1.86E-06	8.35E-07	3.01E-08	7.26E-07	5.10E-07	4.41E-07	1.32E-07	1.84E-06
490760.04, 3859010.04	0.01243	0.002518	8.72E-07	2.63E-06	2.08E-06	1.80E-06	8.09E-07	2.91E-08	7.03E-07	4.94E-07	4.27E-07	1.28E-07	1.78E-06
490810.04, 3859010.04	0.01201	0.002433	8.42E-07	2.54E-06	2.01E-06	1.74E-06	7.81E-07	2.81E-08	6.79E-07	4.77E-07	4.13E-07	1.23E-07	1.72E-06
490860.04, 3859010.04	0.01164	0.002358	8.16E-07	2.46E-06	1.95E-06	1.68E-06	7.57E-07	2.73E-08	6.58E-07	4.63E-07	4.00E-07	1.19E-07	1.67E-06
490360.04, 3859060.04	0.01547	0.003134	1.08E-06	3.28E-06	2.59E-06	2.24E-06	1.01E-06	3.62E-08	8.75E-07	6.15E-07	5.32E-07	1.59E-07	2.22E-06
490410.04, 3859060.04	0.01468	0.002973	1.03E-06	3.11E-06	2.45E-06	2.12E-06	9.55E-07	3.44E-08	8.30E-07	5.83E-07	5.05E-07	1.51E-07	2.10E-06
490460.04, 3859060.04	0.01419	0.002874	9.95E-07	3.00E-06	2.37E-06	2.05E-06	9.23E-07	3.32E-08	8.03E-07	5.64E-07	4.88E-07	1.46E-07	2.03E-06
490510.04, 3859060.04	0.01383	0.002801	9.70E-07	2.93E-06	2.31E-06	2.00E-06	9.00E-07	3.24E-08	7.82E-07	5.50E-07	4.75E-07	1.42E-07	1.98E-06
490560.04, 3859060.04	0.01336	0.002706	9.37E-07	2.83E-06	2.23E-06	1.93E-06	8.69E-07	3.13E-08	7.56E-07	5.31E-07	4.59E-07	1.37E-07	1.91E-06
490610.04, 3859060.04	0.01317	0.002668	9.23E-07	2.79E-06	2.20E-06	1.91E-06	8.57E-07	3.08E-08	7.45E-07	5.23E-07	4.53E-07	1.35E-07	1.89E-06
490660.04, 3859060.04	0.01302	0.002637	9.13E-07	2.76E-06	2.18E-06	1.88E-06	8.47E-07	3.05E-08	7.36E-07	5.17E-07	4.48E-07	1.34E-07	1.87E-06
490710.04, 3859060.04	0.01256	0.002544	8.81E-07	2.66E-06	2.10E-06	1.82E-06	8.17E-07	2.94E-08	7.10E-07	4.99E-07	4.32E-07	1.29E-07	1.80E-06
490760.04, 3859060.04	0.01219	0.002469	8.55E-07	2.58E-06	2.04E-06	1.76E-06	7.93E-07	2.85E-08	6.89E-07	4.84E-07	4.19E-07	1.25E-07	1.75E-06
490810.04, 3859060.04	0.0118	0.00239	8.27E-07	2.50E-06	1.97E-06	1.71E-06	7.68E-07	2.76E-08	6.67E-07	4.69E-07	4.06E-07	1.21E-07	1.69E-06
490860.04, 3859060.04	0.01146	0.002321	8.04E-07	2.43E-06	1.92E-06	1.66E-06	7.46E-07	2.68E-08	6.48E-07	4.55E-07	3.94E-07	1.18E-07	1.64E-06
490360.04, 3859110.04	0.0156	0.00316	1.09E-06	3.30E-06	2.61E-06	2.26E-06	1.02E-06	3.65E-08	8.82E-07	6.20E-07	5.36E-07	1.60E-07	2.24E-06
490410.04, 3859110.04	0.01478	0.002994	1.04E-06	3.13E-06	2.47E-06	2.14E-06	9.62E-07	3.46E-08	8.36E-07	5.87E-07	5.08E-07	1.52E-07	2.12E-06
490460.04, 3859110.04	0.01439	0.002915	1.01E-06	3.05E-06	2.41E-06	2.08E-06	9.36E-07	3.37E-08	8.14E-07	5.72E-07	4.95E-07	1.48E-07	2.06E-06
490510.04, 3859110.04	0.01352	0.002739	9.48E-07	2.86E-06	2.26E-06	1.96E-06	8.80E-07	3.17E-08	7.65E-07	5.37E-07	4.65E-07	1.39E-07	1.94E-06
490560.04, 3859110.04	0.01316	0.002666	9.23E-07	2.79E-06	2.20E-06	1.90E-06	8.56E-07	3.08E-08	7.44E-07	5.23E-07	4.52E-07	1.35E-07	1.89E-06
490610.04, 3859110.04	0.01277	0.002587	8.95E-07	2.70E-06	2.14E-06	1.85E-06	8.31E-07	2.99E-08	7.22E-07	5.07E-07	4.39E-07	1.31E-07	1.83E-06
490660.04, 3859110.04	0.01232	0.002495	8.64E-07	2.61E-06	2.06E-06	1.78E-06	8.02E-07	2.88E-08	6.97E-07	4.90E-07	4.24E-07	1.26E-07	1.77E-06
490710.04, 3859110.04	0.01217	0.002465	8.53E-07	2.58E-06	2.04E-06	1.76E-06	7.92E-07	2.85E-08	6.88E-07	4.84E-07	4.18E-07	1.25E-07	1.74E-06
490760.04, 3859110.04	0.01188	0.002406	8.33E-07	2.52E-06	1.99E-06	1.72E-06	7.73E-07	2.78E-08	6.72E-07	4.72E-07	4.08E-07	1.22E-07	1.70E-06
490810.04, 3859110.04	0.0115	0.002329	8.06E-07	2.43E-06	1.92E-06	1.66E-06	7.48E-07	2.69E-08	6.50E-07	4.57E-07	3.95E-07	1.18E-07	1.65E-06
490860.04, 3859110.04	0.01114	0.002256	7.81E-07	2.36E-06	1.86E-06	1.61E-06	7.25E-07	2.61E-08	6.30E-07	4.43E-07	3.83E-07	1.14E-07	1.60E-06
490360.04, 3859160.04	0.01589	0.003219	1.11E-06	3.36E-06	2.66E-06	2.30E-06	1.03E-06	3.72E-08	8.99E-07	6.31E-07	5.46E-07	1.63E-07	2.28E-06
490410.04, 3859160.04	0.01508	0.003055	1.06E-06	3.19E-06	2.52E-06	2.18E-06	9.81E-07	3.53E-08	8.53E-07	5.99E-07	5.18E-07	1.55E-07	2.16E-06
490460.04, 3859160.04	0.01448	0.002933	1.02E-06	3.07E-06	2.42E-06	2.10E-06	9.42E-07	3.39E-08	8.19E-07	5.75E-07	4.98E-07	1.49E-07	2.07E-06
490510.04, 3859160.04	0.01389	0.002813	9.74E-07	2.94E-06	2.32E-06	2.01E-06	9.04E-07	3.25E-08	7.86E-07	5.52E-07	4.78E-07	1.43E-07	1.99E-06
490560.04, 3859160.04	0.01319	0.002672	9.25E-07	2.79E-06	2.21E-06	1.91E-06	8.58E-07	3.09E-08	7.46E-07	5.24E-07	4.53E-07	1.35E-07	1.89E-06
490610.04, 3859160.04	0.01287	0.002607	9.02E-07	2.72E-06	2.15E-06	1.86E-06	8.37E-07	3.01E-08	7.28E-07	5.11E-07	4.42E-07	1.32E-07	1.84E-06
490660.04, 3859160.04	0.01203	0.002437	8.44E-07	2.55E-06	2.01E-06	1.74E-06	7.83E-07	2.82E-08	6.80E-07	4.78E-07	4.14E-07	1.23E-07	1.72E-06
490710.04, 3859160.04	0.01185	0.0024	8.31E-07	2.51E-06	1.98E-06	1.71E-06	7.71E-07	2.77E-08	6.70E-07	4.71E-07	4.07E-07	1.22E-07	1.70E-06
490760.04, 3859160.04	0.01136	0.002301	7.97E-07	2.41E-06	1.90E-06	1.64E-06	7.39E-07	2.66E-08	6.42E-07	4.51E-07	3.91E-07	1.17E-07	1.63E-06
490810.04, 3859160.04	0.01119	0.002267	7.85E-07	2.37E-06	1.87E-06	1.62E-06	7.28E-07	2.62E-08	6.33E-07	4.45E-07	3.85E-07	1.15E-07	1.60E-06
490860.04, 3859160.04	0.01098	0.002224	7.70E-07	2.32E-06	1.84E-06	1.59E-06	7.14E-07	2.57E-08	6.21E-07	4.36E-07	3.78E-07	1.13E-07	1.57E-06
490360.04, 3859210.04	0.0162	0.003281	1.14E-06	3.43E-06	2.71E-06	2.34E-06	1.05E-06	3.79E-08	9.16E-07	6.44E-07	5.57E-07	1.66E-07	2.32E-06
490410.04, 3859210.04	0.01584	0.003208	1.11E-06	3.35E-06	2.65E-06	2.29E-06	1.03E-06	3.71E-08	8.96E-07	6.29E-07	5.45E-07	1.63E-07	2.27E-06
490460.04, 3859210.04	0.01433	0.002903	1.00E-06	3.03E-06	2.40E-06	2.07E-06	9.32E-07	3.36E-08	8.10E-07	5.69E-07	4.93E-07	1.47E-07	2.05E-06
490510.04, 3859210.04	0.01397	0.00283	9.80E-07	2.96E-06	2.34E-06	2.02E-06	9.09E-07	3.27E-08	7.90E-07	5.55E-07	4.80E-07	1.43E-07	2.00E-06
490560.04, 3859210.04	0.01362	0.002759	9.55E-07	2.88E-06	2.28E-06	1.97E-06	8.86E-07	3.19E-08	7.70E-07	5.41E-07	4.68E-07	1.40E-07	1.95E-06
490610.04, 3859210.04	0.01308	0.002649	9.17E-07	2.77E-06	2.19E-06	1.89E-06	8.51E-07	3.06E-08	7.40E-07	5.20E-07	4.50E-07	1.34E-07	1.87E-06
490660.04, 3859210.04	0.01205	0.002441	8.45E-07	2.55E-06	2.02E-06	1.74E-06	7.84E-07	2.82E-08	6.82E-07	4.79E-07	4.14E-07	1.24E-07	1.73E-06
490710.04, 3859210.04	0.01137	0.002303	7.97E-07	2.41E-06	1.90E-06	1.65E-06	7.40E-07	2.66E-08	6.43E-07	4.52E-07	3.91E-07	1.17E-07	1.63E-06
490760.04, 3859210.04	0.01144	0.002317	8.02E-07	2.42E-06	1.91E-06	1.66E-06	7.44E-07	2.68E-08	6.47E-07	4.55E-07	3.93E-07	1.17E-07	1.64E-06
490810.04, 3859210.04	0.0115	0.002329	8.06E-07	2.43E-06	1.92E-06	1.66E-06	7.48E-07	2.69E-08	6.50E-07	4.57E-07	3.95E-07	1.18E-07	1.65E-06
490860.04, 3859210.04	0.01153	0.002335	8.08E-07	2.44E-06	1.93E-06	1.67E-06	7.50E-07	2.70E-08	6.52E-07	4.58E-07	3.96E-07	1.18E-07	1.65E-06
490360.04, 3859260.04	0.01632	0.003306	1.14E-06	3.46E-06	2.73E-06	2.36E-06	1.06E-06	3.82E-08	9.23E-07	6.48E-07	5.61E-07	1.67E-07	2.34E-06
490410.04, 3859260.04	0.01579	0.003198	1.11E-06	3.34E-06	2.64E-06	2.28E-06	1.03E-06	3.70E-08	8.93E-07	6.27E-07	5.43E-07	1.62E-07	2.26E-06
490460.04, 3859260.04	0.01547	0.003134	1.08E-06	3.28E-06	2.59E-06	2.24E-06	1.01E-06	3.62E-08	8.75E-07	6.15E-07	5.32E-07	1.59E-07	2.22E-06
490510.04, 3859260.04	0.01443	0.002923	1.01E-06	3.05E-06	2.41E-06	2.09E-06	9.39E-07	3.38E-08	8.16E-07	5.73E-07	4.96E-07	1.48E-07	2.07E-06
490560.04, 3859260.04	0.01446	0.002929	1.01E-06	3.06E-06	2.42E-06	2.09E-06	9.41E-07	3.39E-08	8.18E-07	5.75E-07	4.97E-07	1.48E-07	2.07E-06
490610.04, 3859260.04	0.01351	0.002736	9.47E-07	2.86E-06	2.26E-06	1.95E-06	8.79E-07	3.16E-08	7.64E-07	5.37E-07	4.64E-07	1.39E-07	1.94E-06
490660.04, 3859260.04	0.0135	0.002734	9.47E-07	2.86E-06	2.26E-06	1.95E-06	8.78E-07	3.16E-08	7.64E-07	5.36E-07	4.64E-07	1.39E-07	1.93E-06
490710.04, 3859260.04	0.01233	0.002497	8.65E-07	2.61E-06	2.06E-06	1.78E-06	8.02E-07	2.89E-08	6.97E-07	4.90E-07	4.24E-07	1.27E-07	1.77E-06
490760.04, 3859260.04	0.01244	0.00252	8.72E-07	2.63E-06	2.08E-06	1.80E-06	8.09E-07	2.91E-08	7.04E-07	4.94E-07	4.28E-07	1.28E-07	1.78E-06
490810.04, 3859260.04	0.01239	0.00251	8.69E-07	2.62E-06	2.07E-06	1.79E-06	8.06E-07	2.90E-08	7.01E-07	4.92E-07	4.26E-07	1.27E-07	1.78E-06
490860.04, 3859260.04	0.01233	0.002497	8.65E-07	2.61E-06	2.06E-06	1.78E-06	8.02E-07	2.89E-08	6.97E-07	4.90E-07	4.24E-07	1.27E-07	1.77E-06
490360.04, 3859310.04	0.01717	0.003478	1.20E-06	3.64E-06	2.87E-06	2.48E-06	1.12E-06	4.02E-08	9.71E-07	6.82E-07	5.90E-07	1.76E-07	2.46E-06
490410.04, 3859310.04	0.01653	0.003348	1.16E-06	3.50E-06	2.76E-06	2.39E-06	1.08E-06	3.87E-08	9.35E-07	6.57E-07	5.68E-07	1.70E-07	2.37E-06
490460.04, 3859310.04	0.01607	0.003255	1.13E-06	3.40E-06	2.69E-06	2.33E-06	1.05E-06	3.76E-08	9.09E-07	6.39E-07	5.53E-07	1.65E-07	2.30E-06
490510.04, 3859310.04	0.01583	0.003206	1.11E-06	3.35E-06	2.65E-06	2.29E-06	1.03E-06	3.71E-08	8.95E-07	6.29E-07	5.44E-07	1.62E-07	2.27E-06
490560.04, 3859310.04	0.01552	0.003144	1.09E-06	3.29E-06	2.60E-06	2.25E-06	1.01E-06	3.63E-08	8.78E-07	6.17E-07	5.34E-07	1.59E-07	2.22E-06
490610.04, 3859310.04	0.0153	0.003099	1.07E-06	3.24E-06	2.56E-06	2.21E-06	9.96E-07	3.58E-08	8.65E-07	6.08E-07	5.26E-07	1.57E-07	2.19E-06
490660.04, 3859310.04	0.01487	0.003012	1.04E-06	3.15E-06	2.49E-06	2.15E-06	9.68E-07	3.48E-08	8.41E-07	5.91E-07	5.11E-07	1.53E-07	2.13E-06
490710.04, 3859310.04	0.01388	0.002811	9.73E-07	2.94E-06	2.32E-06	2.01E-06	9.03E-07	3.25E-08	7.85E-07	5.52E-07	4.77E-07	1.42E-07	1.99E-06
490760.04, 3859310.04	0.01348	0.00273	9.45E-07	2.85E-06	2.25E-06	1.95E-06	8.77E-07	3.16E-08	7.62E-07	5.36E-07	4.63E-07	1.38E-07	1.93E-06
490810.04, 3859310.04	0.01336	0.002706	9.37E-07	2.83E-06	2.23E-06	1.93E-06	8.69E-07	3.13E-08	7.56E-07	5.31E-07	4.59E-07	1.37E-07	1.91E-06
490860.04, 3859310.04	0.01304	0.002641	9.14E-07	2.76E-06	2.18E-06	1.89E-06	8.48E-07	3.05E-08	7.38E-07	5.18E-07	4.48E-07	1.34E-07	1.87E-06
490360.04, 3859360.04	0.01832	0.003711	1.28E-06	3.88E-06	3.06E-06	2.65E-06	1.19E-06	4.29E-08	1.04E-06	7.28E-07	6.30E-07	1.88E-07	2.62E-06
490410.04, 3859360.04	0.01786	0.003618	1.25E-06	3.78E-06	2.99E-06	2.58E-06	1.16E-06	4.18E-08	1.01E-06	7.10E-07	6.14E-07	1.83E-07	2.56E-06
490460.04, 3859360.04	0.01753	0.003551	1.23E-06	3.71E-06	2.93E-06	2.54E-06	1.14E-06	4.10E-08	9.91E-07	6.97E-07	6.03E-07	1.80E-07	2.51E-06
490510.04, 3859360.04	0.01718	0.00348	1.20E-06	3.64E-06	2.87E-06	2.49E-06	1.12E-06	4.02E-08	9.72E-07	6.83E-07	5.91E-07	1.76E-07	2.46E-06
490560.04, 3859360.04	0.01655	0.003352	1.16E-06	3.50E-06	2.77E-06	2.39E-06	1.08E-06	3.88E-08	9.36E-07	6.58E-07	5.69E-07	1.70E-07	2.37E-06
490610.04, 3859360.04	0.01603	0.003247	1.12E-06	3.39E-06	2.68E-06	2.32E-06	1.04E-06	3.75E-08	9.07E-07	6.37E-07	5.51E-07	1.65E-07	2.30E-06
490660.04, 3859360.04	0.01568	0.003176	1.10E-06	3.32E-06	2.62E-06	2.27E-06	1.02E-06	3.67E-08	8.87E-07	6.23E-07	5.39E-07	1.61E-07	2.25E-06
490710.04, 3859360.04	0.01502	0.003042	1.05E-06	3.18E-06	2.51E-06	2.17E-06	9.77E-07	3.52E-08	8.49E-07	5.97E-07	5.16E-07	1.54E-07	2.15E-06
490760.04, 3859360.04	0.01436	0.002909	1.01E-06	3.04E-06	2.40E-06	2.08E-06	9.34E-07	3.36E-08	8.12E-07	5.71E-07	4.94E-07	1.47E-07	2.06E-06
490810.04, 3859360.04	0.0144	0.002917	1.01E-06	3.05E-06	2.41E-06	2.08E-06	9.37E-07	3.37E-08	8.14E-07	5.72E-07	4.95E-07	1.48E-07	2.06E-06
490860.04, 3859360.04	0.01411	0.002858	9.89E-07	2.99E-06	2.36E-06	2.04E-06	9.18E-07	3.30E-08	7.98E-07	5.61E-07	4.85E-07	1.45E-07	2.02E-06
490360.04, 3859410.04	0.01981	0.004013	1.39E-06	4.19E-06	3.31E-06	2.87E-06	1.29E-06	4.64E-08	1.12E-06	7.87E-07	6.81E-07	2.03E-07	2.84E-06
490410.04, 3859410.04	0.01933	0.003915	1.36E-06	4.09E-06	3.23E-06	2.80E-06	1.26E-06	4.53E-08	1.09E-06	7.68E-07	6.65E-07	1.98E-07	2.77E-06

490460.04, 3859410.04	0.01888	0.003824	1.32E-06	4.00E-06	3.16E-06	2.73E-06	1.23E-06	4.42E-08	1.07E-06	7.50E-07	6.49E-07	1.94E-07	2.71E-06
490510.04, 3859410.04	0.01841	0.003729	1.29E-06	3.90E-06	3.08E-06	2.66E-06	1.20E-06	4.31E-08	1.04E-06	7.32E-07	6.33E-07	1.89E-07	2.64E-06
490560.04, 3859410.04	0.01798	0.003642	1.26E-06	3.81E-06	3.01E-06	2.60E-06	1.17E-06	4.21E-08	1.02E-06	7.14E-07	6.18E-07	1.85E-07	2.58E-06
490610.04, 3859410.04	0.01756	0.003557	1.23E-06	3.72E-06	2.94E-06	2.54E-06	1.14E-06	4.11E-08	9.93E-07	6.98E-07	6.04E-07	1.80E-07	2.52E-06
490660.04, 3859410.04	0.01609	0.003259	1.13E-06	3.41E-06	2.69E-06	2.33E-06	1.05E-06	3.77E-08	9.10E-07	6.39E-07	5.53E-07	1.65E-07	2.31E-06
490710.04, 3859410.04	0.0151	0.003059	1.06E-06	3.20E-06	2.53E-06	2.18E-06	9.83E-07	3.54E-08	8.54E-07	6.00E-07	5.19E-07	1.55E-07	2.16E-06
490760.04, 3859410.04	0.01471	0.00298	1.03E-06	3.11E-06	2.46E-06	2.13E-06	9.57E-07	3.44E-08	8.32E-07	5.84E-07	5.06E-07	1.51E-07	2.11E-06
490810.04, 3859410.04	0.01534	0.003107	1.08E-06	3.25E-06	2.57E-06	2.22E-06	9.98E-07	3.59E-08	8.68E-07	6.10E-07	5.27E-07	1.57E-07	2.20E-06
490860.04, 3859410.04	0.01548	0.003136	1.09E-06	3.28E-06	2.59E-06	2.24E-06	1.01E-06	3.62E-08	8.76E-07	6.15E-07	5.32E-07	1.59E-07	2.22E-06
490360.04, 3859460.04	0.02141	0.004337	1.50E-06	4.53E-06	3.58E-06	3.10E-06	1.39E-06	5.01E-08	1.21E-06	8.51E-07	7.36E-07	2.20E-07	3.07E-06
490410.04, 3859460.04	0.02065	0.004183	1.45E-06	4.37E-06	3.45E-06	2.99E-06	1.34E-06	4.83E-08	1.17E-06	8.21E-07	7.10E-07	2.12E-07	2.96E-06
490460.04, 3859460.04	0.02016	0.004083	1.41E-06	4.27E-06	3.37E-06	2.92E-06	1.31E-06	4.72E-08	1.14E-06	8.01E-07	6.93E-07	2.07E-07	2.89E-06
490510.04, 3859460.04	0.01965	0.00398	1.38E-06	4.16E-06	3.29E-06	2.84E-06	1.28E-06	4.60E-08	1.11E-06	7.81E-07	6.76E-07	2.02E-07	2.82E-06
490560.04, 3859460.04	0.01923	0.003895	1.35E-06	4.07E-06	3.22E-06	2.78E-06	1.25E-06	4.50E-08	1.09E-06	7.64E-07	6.61E-07	1.97E-07	2.76E-06
490610.04, 3859460.04	0.01864	0.003776	1.31E-06	3.95E-06	3.12E-06	2.70E-06	1.21E-06	4.36E-08	1.05E-06	7.41E-07	6.41E-07	1.91E-07	2.67E-06
490660.04, 3859460.04	0.018	0.003646	1.26E-06	3.81E-06	3.01E-06	2.60E-06	1.17E-06	4.21E-08	1.02E-06	7.15E-07	6.19E-07	1.85E-07	2.58E-06
490710.04, 3859460.04	0.01655	0.003352	1.16E-06	3.50E-06	2.77E-06	2.39E-06	1.08E-06	3.88E-08	9.36E-07	6.58E-07	5.69E-07	1.70E-07	2.37E-06
490760.04, 3859460.04	0.01712	0.003468	1.20E-06	3.62E-06	2.86E-06	2.48E-06	1.11E-06	4.01E-08	9.68E-07	6.80E-07	5.89E-07	1.76E-07	2.45E-06
490810.04, 3859460.04	0.01668	0.003379	1.17E-06	3.53E-06	2.79E-06	2.41E-06	1.09E-06	3.91E-08	9.43E-07	6.63E-07	5.73E-07	1.71E-07	2.39E-06
490860.04, 3859460.04	0.01669	0.003381	1.17E-06	3.53E-06	2.79E-06	2.42E-06	1.09E-06	3.91E-08	9.44E-07	6.63E-07	5.74E-07	1.71E-07	2.39E-06
490360.04, 3859510.04	0.02307	0.004673	1.62E-06	4.88E-06	3.86E-06	3.34E-06	1.50E-06	5.40E-08	1.30E-06	9.17E-07	7.93E-07	2.37E-07	3.31E-06
490410.04, 3859510.04	0.02251	0.004559	1.58E-06	4.77E-06	3.76E-06	3.26E-06	1.46E-06	5.27E-08	1.27E-06	8.94E-07	7.74E-07	2.31E-07	3.23E-06
490460.04, 3859510.04	0.02177	0.00441	1.53E-06	4.61E-06	3.64E-06	3.15E-06	1.42E-06	5.10E-08	1.23E-06	8.65E-07	7.48E-07	2.23E-07	3.12E-06
490510.04, 3859510.04	0.02119	0.004292	1.49E-06	4.49E-06	3.54E-06	3.07E-06	1.38E-06	4.96E-08	1.20E-06	8.42E-07	7.29E-07	2.17E-07	3.04E-06
490560.04, 3859510.04	0.02063	0.004179	1.45E-06	4.37E-06	3.45E-06	2.99E-06	1.34E-06	4.83E-08	1.17E-06	8.20E-07	7.09E-07	2.12E-07	2.96E-06
490610.04, 3859510.04	0.01998	0.004047	1.40E-06	4.23E-06	3.34E-06	2.89E-06	1.30E-06	4.68E-08	1.13E-06	7.94E-07	6.87E-07	2.05E-07	2.86E-06
490660.04, 3859510.04	0.01939	0.003928	1.36E-06	4.11E-06	3.24E-06	2.81E-06	1.26E-06	4.54E-08	1.10E-06	7.70E-07	6.67E-07	1.99E-07	2.78E-06
490710.04, 3859510.04	0.0188	0.003808	1.32E-06	3.98E-06	3.14E-06	2.72E-06	1.22E-06	4.40E-08	1.06E-06	7.47E-07	6.46E-07	1.93E-07	2.69E-06
490760.04, 3859510.04	0.01833	0.003713	1.29E-06	3.88E-06	3.07E-06	2.65E-06	1.19E-06	4.29E-08	1.04E-06	7.28E-07	6.30E-07	1.88E-07	2.63E-06
490810.04, 3859510.04	0.01808	0.003662	1.27E-06	3.83E-06	3.02E-06	2.62E-06	1.18E-06	4.23E-08	1.02E-06	7.18E-07	6.22E-07	1.86E-07	2.59E-06
490860.04, 3859510.04	0.01773	0.003591	1.24E-06	3.75E-06	2.97E-06	2.57E-06	1.15E-06	4.15E-08	1.00E-06	7.04E-07	6.10E-07	1.82E-07	2.54E-06
490360.04, 3859560.04	0.02491	0.005046	1.75E-06	5.27E-06	4.17E-06	3.60E-06	1.62E-06	5.83E-08	1.41E-06	9.90E-07	8.56E-07	2.56E-07	3.57E-06
490410.04, 3859560.04	0.02436	0.004934	1.71E-06	5.16E-06	4.07E-06	3.52E-06	1.59E-06	5.70E-08	1.38E-06	9.68E-07	8.38E-07	2.50E-07	3.49E-06
490460.04, 3859560.04	0.02371	0.004803	1.66E-06	5.02E-06	3.97E-06	3.43E-06	1.54E-06	5.55E-08	1.34E-06	9.42E-07	8.15E-07	2.43E-07	3.40E-06
490510.04, 3859560.04	0.02278	0.004614	1.60E-06	4.82E-06	3.81E-06	3.30E-06	1.48E-06	5.33E-08	1.29E-06	9.05E-07	7.83E-07	2.34E-07	3.26E-06
490560.04, 3859560.04	0.02232	0.004521	1.57E-06	4.73E-06	3.73E-06	3.23E-06	1.45E-06	5.23E-08	1.26E-06	8.87E-07	7.67E-07	2.29E-07	3.20E-06
490610.04, 3859560.04	0.02158	0.004371	1.51E-06	4.57E-06	3.61E-06	3.12E-06	1.40E-06	5.05E-08	1.22E-06	8.57E-07	7.42E-07	2.21E-07	3.09E-06
490660.04, 3859560.04	0.02095	0.004243	1.47E-06	4.44E-06	3.50E-06	3.03E-06	1.36E-06	4.91E-08	1.18E-06	8.32E-07	7.20E-07	2.15E-07	3.00E-06
490710.04, 3859560.04	0.02027	0.004106	1.42E-06	4.29E-06	3.39E-06	2.93E-06	1.32E-06	4.75E-08	1.15E-06	8.05E-07	6.97E-07	2.08E-07	2.90E-06
490760.04, 3859560.04	0.01946	0.003942	1.36E-06	4.12E-06	3.25E-06	2.82E-06	1.27E-06	4.56E-08	1.10E-06	7.73E-07	6.69E-07	2.00E-07	2.79E-06
490810.04, 3859560.04	0.01898	0.003844	1.33E-06	4.02E-06	3.17E-06	2.75E-06	1.23E-06	4.44E-08	1.07E-06	7.54E-07	6.53E-07	1.95E-07	2.72E-06
490860.04, 3859560.04	0.01851	0.003749	1.30E-06	3.92E-06	3.10E-06	2.68E-06	1.20E-06	4.33E-08	1.05E-06	7.35E-07	6.36E-07	1.90E-07	2.65E-06
490187.25, 3859422.08	0.02221	0.004499	1.56E-06	4.70E-06	3.71E-06	3.21E-06	1.45E-06	5.20E-08	1.26E-06	8.82E-07	7.64E-07	2.28E-07	3.18E-06
490237.25, 3859422.08	0.02161	0.004377	1.52E-06	4.58E-06	3.61E-06	3.13E-06	1.41E-06	5.06E-08	1.22E-06	8.59E-07	7.43E-07	2.22E-07	3.10E-06
490287.25, 3859422.08	0.02105	0.004264	1.48E-06	4.46E-06	3.52E-06	3.05E-06	1.37E-06	4.93E-08	1.19E-06	8.36E-07	7.24E-07	2.16E-07	3.02E-06
490337.25, 3859422.08	0.02033	0.004118	1.43E-06	4.30E-06	3.40E-06	2.94E-06	1.32E-06	4.76E-08	1.15E-06	8.08E-07	6.99E-07	2.09E-07	2.91E-06
490187.25, 3859472.08	0.02367	0.004794	1.66E-06	5.01E-06	3.96E-06	3.43E-06	1.54E-06	5.54E-08	1.34E-06	9.41E-07	8.14E-07	2.43E-07	3.39E-06
490237.25, 3859472.08	0.02319	0.004697	1.63E-06	4.91E-06	3.88E-06	3.36E-06	1.51E-06	5.43E-08	1.31E-06	9.21E-07	7.97E-07	2.38E-07	3.32E-06
490287.25, 3859472.08	0.0224	0.004537	1.57E-06	4.74E-06	3.75E-06	3.24E-06	1.46E-06	5.24E-08	1.27E-06	8.90E-07	7.70E-07	2.30E-07	3.21E-06
490337.25, 3859472.08	0.02199	0.004454	1.54E-06	4.66E-06	3.68E-06	3.18E-06	1.43E-06	5.15E-08	1.24E-06	8.74E-07	7.56E-07	2.26E-07	3.15E-06
490297.07, 3859500.42	0.0233	0.004719	1.63E-06	4.93E-06	3.90E-06	3.37E-06	1.52E-06	5.46E-08	1.32E-06	9.26E-07	8.01E-07	2.39E-07	3.34E-06
490327.07, 3859500.42	0.02324	0.004707	1.63E-06	4.92E-06	3.89E-06	3.36E-06	1.51E-06	5.44E-08	1.31E-06	9.23E-07	7.99E-07	2.39E-07	3.33E-06
490297.07, 3859530.42	0.02465	0.004993	1.73E-06	5.22E-06	4.12E-06	3.57E-06	1.60E-06	5.77E-08	1.39E-06	9.79E-07	8.47E-07	2.53E-07	3.53E-06
490327.07, 3859530.42	0.02427	0.004916	1.70E-06	5.14E-06	4.06E-06	3.51E-06	1.58E-06	5.68E-08	1.37E-06	9.64E-07	8.34E-07	2.49E-07	3.48E-06
490319.73, 3859055.34	0.01623	0.003287	1.14E-06	3.44E-06	2.71E-06	2.35E-06	1.06E-06	3.80E-08	9.18E-07	6.45E-07	5.58E-07	1.67E-07	2.33E-06
490319.73, 3859105.34	0.01623	0.003287	1.14E-06	3.44E-06	2.71E-06	2.35E-06	1.06E-06	3.80E-08	9.18E-07	6.45E-07	5.58E-07	1.67E-07	2.33E-06
490069.73, 3859155.34	0.01783	0.003612	1.25E-06	3.77E-06	2.98E-06	2.58E-06	1.16E-06	4.17E-08	1.01E-06	7.08E-07	6.13E-07	1.83E-07	2.55E-06
490119.73, 3859155.34	0.01777	0.003599	1.25E-06	3.76E-06	2.97E-06	2.57E-06	1.16E-06	4.16E-08	1.01E-06	7.06E-07	6.11E-07	1.82E-07	2.55E-06
490269.73, 3859155.34	0.01732	0.003508	1.21E-06	3.67E-06	2.90E-06	2.51E-06	1.13E-06	4.06E-08	9.80E-07	6.88E-07	5.95E-07	1.78E-07	2.48E-06
490319.73, 3859155.34	0.01655	0.003352	1.16E-06	3.50E-06	2.77E-06	2.39E-06	1.08E-06	3.88E-08	9.36E-07	6.58E-07	5.69E-07	1.70E-07	2.37E-06
490069.73, 3859205.34	0.01871	0.00379	1.31E-06	3.96E-06	3.13E-06	2.71E-06	1.22E-06	4.38E-08	1.06E-06	7.43E-07	6.43E-07	1.92E-07	2.68E-06
490119.73, 3859205.34	0.01896	0.00384	1.33E-06	4.01E-06	3.17E-06	2.74E-06	1.23E-06	4.44E-08	1.07E-06	7.53E-07	6.52E-07	1.95E-07	2.72E-06
490169.73, 3859205.34	0.01873	0.003794	1.31E-06	3.97E-06	3.13E-06	2.71E-06	1.22E-06	4.39E-08	1.06E-06	7.44E-07	6.44E-07	1.92E-07	2.68E-06
490219.73, 3859205.34	0.01804	0.003654	1.26E-06	3.82E-06	3.02E-06	2.61E-06	1.17E-06	4.22E-08	1.02E-06	7.17E-07	6.20E-07	1.85E-07	2.58E-06
490269.73, 3859205.34	0.01709	0.003462	1.20E-06	3.62E-06	2.86E-06	2.47E-06	1.11E-06	4.00E-08	9.67E-07	6.79E-07	5.88E-07	1.75E-07	2.45E-06
490319.73, 3859205.34	0.0167	0.003383	1.17E-06	3.54E-06	2.79E-06	2.42E-06	1.09E-06	3.91E-08	9.44E-07	6.64E-07	5.74E-07	1.71E-07	2.39E-06
490069.73, 3859255.34	0.01922	0.003893	1.35E-06	4.07E-06	3.21E-06	2.78E-06	1.25E-06	4.50E-08	1.09E-06	7.64E-07	6.61E-07	1.97E-07	2.75E-06
490119.73, 3859255.34	0.01934	0.003917	1.36E-06	4.09E-06	3.23E-06	2.80E-06	1.26E-06	4.53E-08	1.09E-06	7.68E-07	6.65E-07	1.98E-07	2.77E-06
490169.73, 3859255.34	0.01915	0.003879	1.34E-06	4.05E-06	3.20E-06	2.77E-06	1.25E-06	4.48E-08	1.08E-06	7.61E-07	6.58E-07	1.97E-07	2.74E-06
490219.73, 3859255.34	0.01845	0.003737	1.29E-06	3.91E-06	3.09E-06	2.67E-06	1.20E-06	4.32E-08	1.04E-06	7.33E-07	6.34E-07	1.89E-07	2.64E-06
490269.73, 3859255.34	0.01769	0.003583	1.24E-06	3.75E-06	2.96E-06	2.56E-06	1.15E-06	4.14E-08	1.00E-06	7.03E-07	6.08E-07	1.82E-07	2.53E-06
490319.73, 3859255.34	0.01722	0.003488	1.21E-06	3.65E-06	2.88E-06	2.49E-06	1.12E-06	4.03E-08	9.74E-07	6.84E-07	5.92E-07	1.77E-07	2.47E-06
490069.73, 3859305.34	0.01987	0.004025	1.39E-06	4.21E-06	3.32E-06	2.88E-06	1.29E-06	4.65E-08	1.12E-06	7.90E-07	6.83E-07	2.04E-07	2.85E-06
490119.73, 3859305.34	0.02003	0.004057	1.40E-06	4.24E-06	3.35E-06	2.90E-06	1.30E-06	4.69E-08	1.13E-06	7.96E-07	6.89E-07	2.06E-07	2.87E-06
490169.73, 3859305.34	0.01981	0.004013	1.39E-06	4.19E-06	3.31E-06	2.87E-06	1.29E-06	4.64E-08	1.12E-06	7.87E-07	6.81E-07	2.03E-07	2.84E-06
490219.73, 3859305.34	0.01921	0.003891	1.35E-06	4.07E-06	3.21E-06	2.78E-06	1.25E-06	4.50E-08	1.09E-06	7.63E-07	6.60E-07	1.97E-07	2.75E-06
490269.73, 3859305.34	0.01859	0.003765	1.30E-06	3.94E-06	3.11E-06	2.69E-06	1.21E-06	4.35E-08	1.05E-06	7.39E-07	6.39E-07	1.91E-07	2.66E-06
490319.73, 3859305.34	0.01776	0.003597	1.25E-06	3.76E-06	2.97E-06	2.57E-06	1.16E-06	4.16E-08	1.00E-06	7.06E-07	6.11E-07	1.82E-07	2.54E-06
490069.73, 3859355.34	0.0211	0.004274	1.48E-06	4.47E-06	3.53E-06	3.05E-06	1.37E-06	4.94E-08	1.19E-06	8.38E-07	7.25E-07	2.17E-07	3.02E-06
490119.73, 3859355.34	0.0212	0.004294	1.49E-06	4.49E-06	3.55E-06	3.07E-06	1.38E-06	4.96E-08	1.20E-06	8.42E-07	7.29E-07	2.18E-07	3.04E-06
490169.73, 3859355.34	0.02089	0.004231	1.46E-06	4.42E-06	3.49E-06	3.02E-06	1.36E-06	4.89E-08	1.18E-06	8.30E-07	7.18E-07	2.14E-07	2.99E-06
490219.73, 3859355.34	0.02019	0.00409	1.42E-06	4.27E-06	3.38E-06	2.92E-06	1.31E-06	4.73E-08	1.14E-06	8.02E-07	6.94E-07	2.07E-07	2.89E-06
490269.73, 3859355.34	0.01964	0.003978	1.38E-06	4.16E-06	3.28E-06	2.84E-06	1.28E-06	4.60E-08	1.11E-06	7.80E-07	6.75E-07	2.02E-07	2.81E-06
490319.73, 3859355.34	0.01887	0.003822	1.32E-06	3.99E-06	3.16E-06	2.73E-06	1.23E-06	4.42E-08	1.07E-06	7.50E-07	6.49E-07	1.94E-07	2.70E-06
490069.73, 3859405.34	0.0225	0.004557	1.58E-06	4.76E-06	3.76E-06	3.26E-06	1.46E-06	5.27E-08	1.27E-06	8.94E-07	7.74E-07	2.31E-07	3.22E-06
490119.73, 3859405.34	0.02241	0.004539	1.57E-06	4.74E-06	3.75E-06	3.24E-06	1.46E-06	5.25E-08	1.27E-06	8.90E-07	7.70E-07	2.30E-07	3.21E-06
490169.73, 3859405.34	0.02195	0.004446	1.54E-06	4.65E-06	3.67E-06	3.18E-06	1.43E-06	5.14E-08	1.24E-06	8.72E-07	7.55E-07	2.25E-07	3.14E-06
490219.73, 3859405.34	0.02144	0.004343	1.50E-06	4.54E-06	3.59E-06	3.10E-06	1.40E-06	5.02E-08	1.21E-06	8.52E-07	7.37E-07	2.20E-07	3.07E-06
490269.73, 3859405.34	0.0207	0.004193	1.45E-06	4.38E-06	3.46E-06	3.00E-06	1.35E-06	4.85E-08	1.17E-06	8.22E-07	7.12E-07	2.12E-07	2.97E-06
490319.73, 3859405.34	0.01998	0.004047	1.40E-06	4.23E-06	3.34E-06	2.89E-06	1.30E-06	4.68E-08	1.13E-06	7.94E-07	6.87E-07	2.05E-07	2.86E-06
490161.89, 3859541.83	0.02603	0.005272	1.83E-06	5.51E-06	4.35E-06	3.77E-06	1.69E-06	6.09E-08	1.47E-06	1.03E-06	8.95E-07	2.67E-07	3.73E-06
490171.89, 3859541.83	0.02594	0.005254	1.82E-06	5.49E-06	4.34E-06	3.75E-06	1.69E-06	6.07E-08	1.47E-06	1.03E-06	8.92E-07	2.66E-07	3.72E-06
490161.89, 3859551.83	0.02628	0.005323	1.84E-06	5.56E-06	4.39E-06	3.80E-06	1.71E-06	6.15E-08	1.49E-06	1.04E-06	9.04E-07	2.70E-07	3.77E-06
490171.89, 3859551.83	0.02622	0.005311	1.84E-06	5.55E-06	4.38E-06	3.79E-06	1.71E-06	6.14E-08	1.48E-06	1.04E-06	9.01E-07	2.69E-07	3.76E-06
489799.72, 3859348.21	0.02145	0.004345	1.50E-06	4.54E-06	3.59E-06	3.10E-06	1.40E-06	5.02E-08	1.21E-06	8.52E-07	7.37E-07	2.20E-07	3.07E-06
489819.72, 3859348.21	0.02144	0.004343	1.50E-06	4.54E-06	3.59E-06	3.10E-06	1.40E-06	5.02E-08	1.21E-06	8.52E-07	7.37E-07	2.20E-07	3.07E-06
489799.72, 3859368.21	0.02188	0.004432	1.53E-06	4.63E-06	3.66E-06	3.17E-06	1.42E-06	5.12E-08	1.24E-06	8.69E-07	7.52E-07	2.25E-07	3.13E-06
489819.72, 3859368.21	0.02178	0.004412	1.53E-06	4.61E-06	3.64E-06	3.15E-06	1.42E-06	5.10E-08	1.23E-06	8.65E-07	7.49E-07	2.24E-07	3.12E-06
489775.41, 3859329.72	0.02128	0.00431	1.49E-06	4.51E-06	3.56E-06	3.08E-06	1.38E-06	4.98E-08	1.20E-06	8.46E-07	7.32E-07	2.18E-07	3.05E-06

489795.41, 3859329.72	0.02125	0.004304	1.49E-06	4.50E-06	3.55E-06	3.07E-06	1.38E-06	4.98E-08	1.20E-06	8.44E-07	7.31E-07	2.18E-07	3.04E-06
489775.41, 3859349.72	0.02159	0.004373	1.51E-06	4.57E-06	3.61E-06	3.12E-06	1.40E-06	5.06E-08	1.22E-06	8.58E-07	7.42E-07	2.22E-07	3.09E-06
489795.41, 3859349.72	0.02148	0.004351	1.51E-06	4.55E-06	3.59E-06	3.11E-06	1.40E-06	5.03E-08	1.21E-06	8.53E-07	7.39E-07	2.20E-07	3.08E-06
489595.05, 3859219.43	0.01995	0.004041	1.40E-06	4.22E-06	3.34E-06	2.89E-06	1.30E-06	4.67E-08	1.13E-06	7.93E-07	6.86E-07	2.05E-07	2.86E-06
489615.05, 3859219.43	0.0198	0.004011	1.39E-06	4.19E-06	3.31E-06	2.87E-06	1.29E-06	4.64E-08	1.12E-06	7.87E-07	6.81E-07	2.03E-07	2.84E-06
489595.05, 3859239.43	0.02032	0.004116	1.42E-06	4.30E-06	3.40E-06	2.94E-06	1.32E-06	4.76E-08	1.15E-06	8.07E-07	6.99E-07	2.09E-07	2.91E-06
489615.05, 3859239.43	0.02014	0.004079	1.41E-06	4.26E-06	3.37E-06	2.91E-06	1.31E-06	4.72E-08	1.14E-06	8.00E-07	6.92E-07	2.07E-07	2.89E-06
489372.4, 3859092.58	0.01889	0.003826	1.32E-06	4.00E-06	3.16E-06	2.73E-06	1.23E-06	4.42E-08	1.07E-06	7.51E-07	6.49E-07	1.94E-07	2.71E-06
489422.4, 3859092.58	0.01871	0.00379	1.31E-06	3.96E-06	3.13E-06	2.71E-06	1.22E-06	4.38E-08	1.06E-06	7.43E-07	6.43E-07	1.92E-07	2.68E-06
489372.4, 3859142.58	0.01957	0.003964	1.37E-06	4.14E-06	3.27E-06	2.83E-06	1.27E-06	4.58E-08	1.11E-06	7.78E-07	6.73E-07	2.01E-07	2.80E-06
489422.4, 3859142.58	0.01943	0.003936	1.36E-06	4.11E-06	3.25E-06	2.81E-06	1.26E-06	4.55E-08	1.10E-06	7.72E-07	6.68E-07	1.99E-07	2.78E-06
488870.84, 3858666.64	0.01616	0.003273	1.13E-06	3.42E-06	2.70E-06	2.34E-06	1.05E-06	3.78E-08	9.14E-07	6.42E-07	5.56E-07	1.66E-07	2.32E-06
488900.84, 3858666.64	0.0161	0.003261	1.13E-06	3.41E-06	2.69E-06	2.33E-06	1.05E-06	3.77E-08	9.11E-07	6.40E-07	5.54E-07	1.65E-07	2.31E-06
488870.84, 3858696.64	0.01641	0.003324	1.15E-06	3.47E-06	2.74E-06	2.37E-06	1.07E-06	3.84E-08	9.28E-07	6.52E-07	5.64E-07	1.68E-07	2.35E-06
488900.84, 3858696.64	0.01633	0.003308	1.15E-06	3.46E-06	2.73E-06	2.36E-06	1.06E-06	3.82E-08	9.24E-07	6.49E-07	5.61E-07	1.68E-07	2.34E-06
488889.67, 3858683.97	0.01623	0.003287	1.14E-06	3.44E-06	2.71E-06	2.35E-06	1.06E-06	3.80E-08	9.18E-07	6.45E-07	5.58E-07	1.67E-07	2.33E-06
488919.67, 3858683.97	0.01621	0.003283	1.14E-06	3.43E-06	2.71E-06	2.35E-06	1.05E-06	3.80E-08	9.17E-07	6.44E-07	5.57E-07	1.66E-07	2.32E-06
488889.67, 3858713.97	0.01649	0.00334	1.16E-06	3.49E-06	2.76E-06	2.39E-06	1.07E-06	3.86E-08	9.33E-07	6.55E-07	5.67E-07	1.69E-07	2.36E-06
488919.67, 3858713.97	0.01642	0.003326	1.15E-06	3.48E-06	2.75E-06	2.38E-06	1.07E-06	3.84E-08	9.29E-07	6.52E-07	5.65E-07	1.69E-07	2.35E-06
488906.61, 3858703.33	0.01638	0.003318	1.15E-06	3.47E-06	2.74E-06	2.37E-06	1.07E-06	3.84E-08	9.26E-07	6.51E-07	5.63E-07	1.68E-07	2.35E-06
488936.61, 3858703.33	0.01628	0.003298	1.14E-06	3.45E-06	2.72E-06	2.36E-06	1.06E-06	3.81E-08	9.21E-07	6.47E-07	5.60E-07	1.67E-07	2.33E-06
488906.61, 3858733.33	0.0165	0.003342	1.16E-06	3.49E-06	2.76E-06	2.39E-06	1.07E-06	3.86E-08	9.33E-07	6.56E-07	5.67E-07	1.69E-07	2.36E-06
488936.61, 3858733.33	0.01647	0.003336	1.15E-06	3.49E-06	2.75E-06	2.38E-06	1.07E-06	3.86E-08	9.31E-07	6.54E-07	5.66E-07	1.69E-07	2.36E-06
488637.63, 3858467.85	0.01538	0.003115	1.08E-06	3.26E-06	2.57E-06	2.23E-06	1.00E-06	3.60E-08	8.70E-07	6.11E-07	5.29E-07	1.58E-07	2.20E-06
488662.63, 3858467.85	0.01545	0.003129	1.08E-06	3.27E-06	2.58E-06	2.24E-06	1.01E-06	3.62E-08	8.74E-07	6.14E-07	5.31E-07	1.59E-07	2.21E-06
488637.63, 3858492.85	0.01552	0.003144	1.09E-06	3.29E-06	2.60E-06	2.25E-06	1.01E-06	3.63E-08	8.78E-07	6.17E-07	5.34E-07	1.59E-07	2.22E-06
488662.63, 3858492.85	0.01555	0.00315	1.09E-06	3.29E-06	2.60E-06	2.25E-06	1.01E-06	3.64E-08	8.79E-07	6.18E-07	5.35E-07	1.60E-07	2.23E-06
488687.63, 3858492.85	0.01552	0.003144	1.09E-06	3.29E-06	2.60E-06	2.25E-06	1.01E-06	3.63E-08	8.78E-07	6.17E-07	5.34E-07	1.59E-07	2.22E-06
488637.63, 3858517.85	0.01575	0.00319	1.10E-06	3.33E-06	2.63E-06	2.28E-06	1.02E-06	3.69E-08	8.91E-07	6.26E-07	5.41E-07	1.62E-07	2.26E-06
488662.63, 3858517.85	0.01572	0.003184	1.10E-06	3.33E-06	2.63E-06	2.27E-06	1.02E-06	3.68E-08	8.89E-07	6.25E-07	5.40E-07	1.61E-07	2.25E-06
488687.63, 3858517.85	0.01573	0.003186	1.10E-06	3.33E-06	2.63E-06	2.28E-06	1.02E-06	3.68E-08	8.90E-07	6.25E-07	5.41E-07	1.61E-07	2.25E-06
488194.42, 3857168.98	0.00831	0.001683	5.83E-07	1.76E-06	1.39E-06	1.20E-06	5.41E-07	1.95E-08	4.70E-07	3.30E-07	2.86E-07	8.53E-08	1.19E-06
488244.42, 3857168.98	0.00859	0.00174	6.02E-07	1.82E-06	1.44E-06	1.24E-06	5.59E-07	2.01E-08	4.86E-07	3.41E-07	2.95E-07	8.82E-08	1.23E-06
488294.42, 3857168.98	0.00881	0.001784	6.18E-07	1.87E-06	1.47E-06	1.27E-06	5.73E-07	2.06E-08	4.98E-07	3.50E-07	3.03E-07	9.04E-08	1.26E-06
488244.42, 3857218.98	0.00861	0.001744	6.04E-07	1.82E-06	1.44E-06	1.25E-06	5.60E-07	2.02E-08	4.87E-07	3.42E-07	2.96E-07	8.84E-08	1.23E-06
488294.42, 3857218.98	0.00885	0.001793	6.21E-07	1.87E-06	1.48E-06	1.28E-06	5.76E-07	2.07E-08	5.01E-07	3.52E-07	3.04E-07	9.08E-08	1.27E-06
488294.42, 3857268.98	0.00896	0.001815	6.28E-07	1.90E-06	1.50E-06	1.30E-06	5.83E-07	2.10E-08	5.07E-07	3.56E-07	3.08E-07	9.20E-08	1.28E-06
488139.13, 3857111.68	0.00804	0.001629	5.64E-07	1.70E-06	1.34E-06	1.16E-06	5.23E-07	1.88E-08	4.55E-07	3.19E-07	2.76E-07	8.25E-08	1.15E-06
488189.13, 3857111.68	0.00835	0.001691	5.85E-07	1.77E-06	1.40E-06	1.21E-06	5.43E-07	1.96E-08	4.72E-07	3.32E-07	2.87E-07	8.57E-08	1.20E-06
488189.13, 3857161.68	0.00829	0.001679	5.81E-07	1.76E-06	1.39E-06	1.20E-06	5.39E-07	1.94E-08	4.69E-07	3.29E-07	2.85E-07	8.51E-08	1.19E-06
487951.04, 3856961.26	0.00737	0.001493	5.17E-07	1.56E-06	1.23E-06	1.07E-06	4.80E-07	1.73E-08	4.17E-07	2.93E-07	2.53E-07	7.56E-08	1.06E-06
488001.04, 3856961.26	0.00753	0.001525	5.28E-07	1.59E-06	1.26E-06	1.09E-06	4.90E-07	1.76E-08	4.26E-07	2.99E-07	2.59E-07	7.73E-08	1.08E-06
488051.04, 3856961.26	0.00762	0.001543	5.34E-07	1.61E-06	1.27E-06	1.10E-06	4.96E-07	1.78E-08	4.31E-07	3.03E-07	2.62E-07	7.82E-08	1.09E-06
488101.04, 3856961.26	0.00794	0.001608	5.57E-07	1.68E-06	1.33E-06	1.15E-06	5.17E-07	1.86E-08	4.49E-07	3.15E-07	2.73E-07	8.15E-08	1.14E-06
487951.04, 3857011.26	0.00748	0.001515	5.24E-07	1.58E-06	1.25E-06	1.08E-06	4.87E-07	1.75E-08	4.23E-07	2.97E-07	2.57E-07	7.68E-08	1.07E-06
488001.04, 3857011.26	0.00753	0.001525	5.28E-07	1.59E-06	1.26E-06	1.09E-06	4.90E-07	1.76E-08	4.26E-07	2.99E-07	2.59E-07	7.73E-08	1.08E-06
488051.04, 3857011.26	0.00762	0.001543	5.34E-07	1.61E-06	1.27E-06	1.10E-06	4.96E-07	1.78E-08	4.31E-07	3.03E-07	2.62E-07	7.82E-08	1.09E-06
488101.04, 3857011.26	0.00792	0.001604	5.55E-07	1.68E-06	1.32E-06	1.15E-06	5.15E-07	1.85E-08	4.48E-07	3.15E-07	2.72E-07	8.13E-08	1.13E-06
488001.04, 3857061.26	0.0076	0.001539	5.33E-07	1.61E-06	1.27E-06	1.10E-06	4.95E-07	1.78E-08	4.30E-07	3.02E-07	2.61E-07	7.80E-08	1.09E-06
488051.04, 3857061.26	0.00774	0.001568	5.43E-07	1.64E-06	1.29E-06	1.12E-06	5.04E-07	1.81E-08	4.38E-07	3.08E-07	2.66E-07	7.94E-08	1.11E-06
488101.04, 3857061.26	0.00795	0.00161	5.57E-07	1.68E-06	1.33E-06	1.15E-06	5.17E-07	1.86E-08	4.50E-07	3.16E-07	2.73E-07	8.16E-08	1.14E-06
487638.98, 3856673.79	0.00629	0.001274	4.41E-07	1.33E-06	1.05E-06	9.10E-07	4.09E-07	1.47E-08	3.56E-07	2.50E-07	2.16E-07	6.46E-08	9.01E-07
487688.98, 3856673.79	0.00642	0.0013	4.50E-07	1.36E-06	1.07E-06	9.29E-07	4.18E-07	1.50E-08	3.63E-07	2.55E-07	2.21E-07	6.59E-08	9.20E-07
487638.98, 3856723.79	0.00635	0.001286	4.45E-07	1.34E-06	1.06E-06	9.19E-07	4.13E-07	1.49E-08	3.59E-07	2.52E-07	2.18E-07	6.52E-08	9.10E-07
487688.98, 3856723.79	0.00646	0.001308	4.53E-07	1.37E-06	1.08E-06	9.35E-07	4.20E-07	1.51E-08	3.65E-07	2.57E-07	2.22E-07	6.63E-08	9.26E-07
486324.61, 3855740.57	0.00416	0.000843	2.92E-07	8.81E-07	6.96E-07	6.02E-07	2.71E-07	9.74E-09	2.35E-07	1.65E-07	1.43E-07	4.27E-08	5.96E-07
486374.61, 3855740.57	0.00409	0.000828	2.87E-07	8.66E-07	6.84E-07	5.92E-07	2.66E-07	9.58E-09	2.31E-07	1.63E-07	1.41E-07	4.20E-08	5.86E-07
486424.61, 3855740.57	0.0041	0.00083	2.87E-07	8.68E-07	6.86E-07	5.93E-07	2.67E-07	9.60E-09	2.32E-07	1.63E-07	1.41E-07	4.21E-08	5.87E-07
486324.61, 3855790.57	0.00415	0.000841	2.91E-07	8.79E-07	6.94E-07	6.01E-07	2.70E-07	9.72E-09	2.35E-07	1.65E-07	1.43E-07	4.26E-08	5.95E-07
486374.61, 3855790.57	0.00409	0.000828	2.87E-07	8.66E-07	6.84E-07	5.92E-07	2.66E-07	9.58E-09	2.31E-07	1.63E-07	1.41E-07	4.20E-08	5.86E-07
486424.61, 3855790.57	0.00413	0.000837	2.90E-07	8.74E-07	6.91E-07	5.98E-07	2.69E-07	9.67E-09	2.34E-07	1.64E-07	1.42E-07	4.24E-08	5.92E-07
486324.61, 3855840.57	0.00413	0.000837	2.90E-07	8.74E-07	6.91E-07	5.98E-07	2.69E-07	9.67E-09	2.34E-07	1.64E-07	1.42E-07	4.24E-08	5.92E-07
486374.61, 3855840.57	0.00416	0.000843	2.92E-07	8.81E-07	6.96E-07	6.02E-07	2.71E-07	9.74E-09	2.35E-07	1.65E-07	1.43E-07	4.27E-08	5.96E-07
486424.61, 3855840.57	0.00417	0.000845	2.92E-07	8.83E-07	6.97E-07	6.03E-07	2.71E-07	9.76E-09	2.36E-07	1.66E-07	1.43E-07	4.28E-08	5.97E-07
486324.61, 3855890.57	0.0042	0.000851	2.94E-07	8.89E-07	7.02E-07	6.08E-07	2.73E-07	9.83E-09	2.38E-07	1.67E-07	1.44E-07	4.31E-08	6.02E-07
486374.61, 3855890.57	0.00422	0.000855	2.96E-07	8.93E-07	7.06E-07	6.11E-07	2.75E-07	9.88E-09	2.39E-07	1.68E-07	1.45E-07	4.33E-08	6.05E-07
486424.61, 3855890.57	0.00421	0.000853	2.95E-07	8.91E-07	7.04E-07	6.09E-07	2.74E-07	9.86E-09	2.38E-07	1.67E-07	1.45E-07	4.32E-08	6.03E-07
488735.69, 3858285.64	0.0149	0.003018	1.04E-06	3.15E-06	2.49E-06	2.16E-06	9.69E-07	3.49E-08	8.43E-07	5.92E-07	5.12E-07	1.53E-07	2.13E-06
488765.69, 3858285.64	0.01494	0.003026	1.05E-06	3.16E-06	2.50E-06	2.16E-06	9.72E-07	3.50E-08	8.45E-07	5.94E-07	5.14E-07	1.53E-07	2.14E-06
488735.69, 3858315.64	0.01495	0.003028	1.05E-06	3.17E-06	2.50E-06	2.16E-06	9.73E-07	3.50E-08	8.46E-07	5.94E-07	5.14E-07	1.53E-07	2.14E-06
488765.69, 3858315.64	0.01497	0.003032	1.05E-06	3.17E-06	2.50E-06	2.17E-06	9.74E-07	3.51E-08	8.47E-07	5.95E-07	5.15E-07	1.54E-07	2.14E-06
478676.63, 3849871.93	0.00243	0.000492	1.70E-07	5.14E-07	4.06E-07	3.52E-07	1.58E-07	5.69E-09	1.37E-07	9.66E-08	8.35E-08	2.49E-08	3.48E-07
479326.63, 3849871.93	0.00199	0.000403	1.40E-07	4.21E-07	3.33E-07	2.88E-07	1.29E-07	4.66E-09	1.13E-07	7.91E-08	6.84E-08	2.04E-08	2.85E-07
479376.63, 3849871.93	0.00197	0.000399	1.38E-07	4.17E-07	3.29E-07	2.85E-07	1.28E-07	4.61E-09	1.11E-07	7.83E-08	6.77E-08	2.02E-08	2.82E-07
479426.63, 3849871.93	0.00191	0.000387	1.34E-07	4.04E-07	3.19E-07	2.76E-07	1.24E-07	4.47E-09	1.08E-07	7.59E-08	6.57E-08	1.96E-08	2.74E-07
478726.63, 3849921.93	0.00248	0.000502	1.74E-07	5.25E-07	4.15E-07	3.59E-07	1.61E-07	5.81E-09	1.40E-07	9.85E-08	8.53E-08	2.55E-08	3.55E-07
478776.63, 3849921.93	0.00245	0.000496	1.72E-07	5.19E-07	4.10E-07	3.55E-07	1.59E-07	5.74E-09	1.39E-07	9.73E-08	8.42E-08	2.51E-08	3.51E-07
478826.63, 3849921.93	0.00242	0.00049	1.70E-07	5.12E-07	4.05E-07	3.50E-07	1.57E-07	5.67E-09	1.37E-07	9.62E-08	8.32E-08	2.48E-08	3.47E-07
478976.63, 3849921.93	0.00231	0.000468	1.62E-07	4.89E-07	3.86E-07	3.34E-07	1.50E-07	5.41E-09	1.31E-07	9.18E-08	7.94E-08	2.37E-08	3.31E-07
479026.63, 3849921.93	0.00231	0.000468	1.62E-07	4.89E-07	3.86E-07	3.34E-07	1.50E-07	5.41E-09	1.31E-07	9.18E-08	7.94E-08	2.37E-08	3.31E-07
479076.63, 3849921.93	0.00229	0.000464	1.61E-07	4.85E-07	3.83E-07	3.31E-07	1.49E-07	5.36E-09	1.30E-07	9.10E-08	7.87E-08	2.35E-08	3.28E-07
479126.63, 3849921.93	0.00225	0.000456	1.58E-07	4.76E-07	3.76E-07	3.26E-07	1.46E-07	5.27E-09	1.27E-07	8.94E-08	7.74E-08	2.31E-08	3.22E-07
479176.63, 3849921.93	0.00223	0.000452	1.56E-07	4.72E-07	3.73E-07	3.23E-07	1.45E-07	5.22E-09	1.26E-07	8.86E-08	7.67E-08	2.29E-08	3.20E-07
479226.63, 3849921.93	0.00212	0.000429	1.49E-07	4.49E-07	3.55E-07	3.07E-07	1.38E-07	4.96E-09	1.20E-07	8.42E-08	7.29E-08	2.18E-08	3.04E-07
479276.63, 3849921.93	0.00205	0.000415	1.44E-07	4.34E-07	3.43E-07	2.97E-07	1.33E-07	4.80E-09	1.16E-07	8.15E-08	7.05E-08	2.10E-08	2.94E-07
479326.63, 3849921.93	0.00212	0.000429	1.49E-07	4.49E-07	3.55E-07	3.07E-07	1.38E-07	4.96E-09	1.20E-07	8.42E-08	7.29E-08	2.18E-08	3.04E-07
479376.63, 3849921.93	0.00202	0.000409	1.42E-07	4.28E-07	3.38E-07	2.92E-07	1.31E-07	4.73E-09	1.14E-07	8.03E-08	6.94E-08	2.07E-08	2.89E-07
479426.63, 3849921.93	0.00206	0.000417	1.44E-07	4.36E-07	3.44E-07	2.98E-07	1.34E-07	4.82E-09	1.17E-07	8.19E-08	7.08E-08	2.11E-08	2.95E-07
478726.63, 3849971.93	0.00254	0.000514	1.78E-07	5.38E-07	4.25E-07	3.68E-07	1.65E-07	5.95E-09	1.44E-07	1.01E-07	8.73E-08	2.61E-08	3.64E-07
478776.63, 3849971.93	0.00252	0.00051	1.77E-07	5.34E-07	4.21E-07	3.65E-07	1.64E-07	5.90E-09	1.43E-07	1.00E-07	8.66E-08	2.59E-08	3.61E-07
478826.63, 3849971.93	0.00249	0.000504	1.75E-07	5.27E-07	4.16E-07	3.60E-07	1.62E-07	5.83E-09	1.41E-07	9.89E-08	8.56E-08	2.56E-08	3.57E-07
478976.63, 3849971.93	0.00243	0.000492	1.70E-07	5.14E-07	4.06E-07	3.52E-07	1.58E-07	5.69E-09	1.37E-07	9.66E-08	8.35E-08	2.49E-08	3.48E-07
479026.63, 3849971.93	0.00239	0.000484	1.68E-07	5.06E-07	4.00E-07	3.46E-07	1.56E-07	5.60E-09	1.35E-07	9.50E-08	8.22E-08	2.45E-08	3.42E-07
479076.63, 3849971.93	0.00235	0.000476	1.65E-07	4.98E-07	3.93E-07	3.40E-07	1.53E-07	5.50E-09	1.33E-07	9.34E-08	8.08E-08	2.41E-08	3.37E-07
479126.63, 3849971.93	0.00232	0.00047	1.63E-07	4.91E-07	3.88E-07	3.36E-07	1.51E-07	5.43E-09	1.31E-07	9.22E-08	7.98E-08	2.38E-08	3.32E-07
479176.63, 3849971.93	0.00223	0.000452	1.56E-07	4.72E-07	3.73E-07	3.23E-07	1.45E-07	5.22E-09	1.26E-07	8.86E-08	7.67E-08	2.29E-08	3.20E-07
479226.63, 3849971.93	0.00214	0.000433	1.50E-07	4.53E-07	3.58E-07	3.10E-07	1.39E-07	5.01E-09	1.21E-07	8.50E-08	7.36E-08	2.20E-08	3.07E-07
479276.63, 3849971.93	0.0022	0.000446	1.54E-07	4.66E-07	3.68E-07	3.18E-07	1.43E-07	5.15E-09	1.24E-07	8.74E-08	7.56E-08	2.26E-08	3.15E-07
479326.63, 3849971.93	0.00217	0.00044	1.52E-07	4.59E-07	3.63E-07	3.14E-07	1.41E-07	5.08E-09	1.23E-07	8.62E-08	7.46E-08	2.23E-08	3.11E-07

479376.63, 3849971.93	0.00212	0.000429	1.49E-07	4.49E-07	3.55E-07	3.07E-07	1.38E-07	4.96E-09	1.20E-07	8.42E-08	7.29E-08	2.18E-08	3.04E-07
479426.63, 3849971.93	0.00212	0.000429	1.49E-07	4.49E-07	3.55E-07	3.07E-07	1.38E-07	4.96E-09	1.20E-07	8.42E-08	7.29E-08	2.18E-08	3.04E-07
478726.63, 3850021.93	0.00259	0.000525	1.82E-07	5.48E-07	4.33E-07	3.75E-07	1.69E-07	6.06E-09	1.46E-07	1.03E-07	8.90E-08	2.66E-08	3.71E-07
478776.63, 3850021.93	0.00257	0.000521	1.80E-07	5.44E-07	4.30E-07	3.72E-07	1.67E-07	6.02E-09	1.45E-07	1.02E-07	8.84E-08	2.64E-08	3.68E-07
478826.63, 3850021.93	0.00256	0.000519	1.79E-07	5.42E-07	4.28E-07	3.70E-07	1.67E-07	5.99E-09	1.45E-07	1.02E-07	8.80E-08	2.63E-08	3.67E-07
478976.63, 3850021.93	0.00251	0.000508	1.76E-07	5.31E-07	4.20E-07	3.63E-07	1.63E-07	5.88E-09	1.42E-07	9.97E-08	8.63E-08	2.58E-08	3.60E-07
478726.63, 3850071.93	0.00265	0.000537	1.86E-07	5.61E-07	4.43E-07	3.83E-07	1.72E-07	6.20E-09	1.50E-07	1.05E-07	9.11E-08	2.72E-08	3.80E-07
478776.63, 3850071.93	0.00264	0.000535	1.85E-07	5.59E-07	4.41E-07	3.82E-07	1.72E-07	6.18E-09	1.49E-07	1.05E-07	9.08E-08	2.71E-08	3.78E-07
478826.63, 3850071.93	0.00262	0.000531	1.84E-07	5.55E-07	4.38E-07	3.79E-07	1.70E-07	6.13E-09	1.48E-07	1.04E-07	9.01E-08	2.69E-08	3.75E-07
478876.63, 3850071.93	0.00261	0.000529	1.83E-07	5.53E-07	4.36E-07	3.78E-07	1.70E-07	6.11E-09	1.48E-07	1.04E-07	8.97E-08	2.68E-08	3.74E-07
478976.63, 3850071.93	0.00258	0.000523	1.81E-07	5.46E-07	4.31E-07	3.73E-07	1.68E-07	6.04E-09	1.46E-07	1.03E-07	8.87E-08	2.65E-08	3.70E-07
478726.63, 3850121.93	0.0027	0.000547	1.89E-07	5.72E-07	4.52E-07	3.91E-07	1.76E-07	6.32E-09	1.53E-07	1.07E-07	9.28E-08	2.77E-08	3.87E-07
478776.63, 3850121.93	0.0027	0.000547	1.89E-07	5.72E-07	4.52E-07	3.91E-07	1.76E-07	6.32E-09	1.53E-07	1.07E-07	9.28E-08	2.77E-08	3.87E-07
478826.63, 3850121.93	0.00269	0.000545	1.89E-07	5.70E-07	4.50E-07	3.89E-07	1.75E-07	6.30E-09	1.52E-07	1.07E-07	9.25E-08	2.76E-08	3.85E-07
478876.63, 3850121.93	0.00267	0.000541	1.87E-07	5.65E-07	4.47E-07	3.86E-07	1.74E-07	6.25E-09	1.51E-07	1.06E-07	9.18E-08	2.74E-08	3.83E-07
478976.63, 3850121.93	0.00266	0.000539	1.87E-07	5.63E-07	4.45E-07	3.85E-07	1.73E-07	6.23E-09	1.50E-07	1.06E-07	9.15E-08	2.73E-08	3.81E-07
479026.63, 3850121.93	0.00264	0.000535	1.85E-07	5.59E-07	4.41E-07	3.82E-07	1.72E-07	6.18E-09	1.49E-07	1.05E-07	9.08E-08	2.71E-08	3.78E-07
479076.63, 3850121.93	0.00261	0.000529	1.83E-07	5.53E-07	4.36E-07	3.78E-07	1.70E-07	6.11E-09	1.48E-07	1.04E-07	8.97E-08	2.68E-08	3.74E-07
479126.63, 3850121.93	0.00258	0.000523	1.81E-07	5.46E-07	4.31E-07	3.73E-07	1.68E-07	6.04E-09	1.46E-07	1.03E-07	8.87E-08	2.65E-08	3.70E-07
478776.63, 3850171.93	0.00274	0.000555	1.92E-07	5.80E-07	4.58E-07	3.96E-07	1.78E-07	6.42E-09	1.55E-07	1.09E-07	9.42E-08	2.81E-08	3.93E-07
478826.63, 3850171.93	0.00274	0.000555	1.92E-07	5.80E-07	4.58E-07	3.96E-07	1.78E-07	6.42E-09	1.55E-07	1.09E-07	9.42E-08	2.81E-08	3.93E-07
478876.63, 3850171.93	0.00273	0.000553	1.91E-07	5.78E-07	4.57E-07	3.95E-07	1.78E-07	6.39E-09	1.54E-07	1.08E-07	9.39E-08	2.80E-08	3.91E-07
478976.63, 3850171.93	0.00273	0.000553	1.91E-07	5.78E-07	4.57E-07	3.95E-07	1.78E-07	6.39E-09	1.54E-07	1.08E-07	9.39E-08	2.80E-08	3.91E-07
479026.63, 3850171.93	0.00273	0.000553	1.91E-07	5.78E-07	4.57E-07	3.95E-07	1.78E-07	6.39E-09	1.54E-07	1.08E-07	9.39E-08	2.80E-08	3.91E-07
479076.63, 3850171.93	0.0027	0.000547	1.89E-07	5.72E-07	4.52E-07	3.91E-07	1.76E-07	6.32E-09	1.53E-07	1.07E-07	9.28E-08	2.77E-08	3.87E-07
479126.63, 3850171.93	0.00267	0.000541	1.87E-07	5.65E-07	4.47E-07	3.86E-07	1.74E-07	6.25E-09	1.51E-07	1.06E-07	9.18E-08	2.74E-08	3.83E-07
479176.63, 3850171.93	0.00266	0.000539	1.87E-07	5.63E-07	4.45E-07	3.85E-07	1.73E-07	6.23E-09	1.50E-07	1.06E-07	9.15E-08	2.73E-08	3.81E-07
479226.63, 3850171.93	0.00267	0.000541	1.87E-07	5.65E-07	4.47E-07	3.86E-07	1.74E-07	6.25E-09	1.51E-07	1.06E-07	9.18E-08	2.74E-08	3.83E-07
479276.63, 3850171.93	0.0027	0.000547	1.89E-07	5.72E-07	4.52E-07	3.91E-07	1.76E-07	6.32E-09	1.53E-07	1.07E-07	9.28E-08	2.77E-08	3.87E-07
479326.63, 3850171.93	0.00264	0.000535	1.85E-07	5.59E-07	4.41E-07	3.82E-07	1.72E-07	6.18E-09	1.49E-07	1.05E-07	9.08E-08	2.71E-08	3.78E-07
479376.63, 3850171.93	0.00258	0.000523	1.81E-07	5.46E-07	4.31E-07	3.73E-07	1.68E-07	6.04E-09	1.46E-07	1.03E-07	8.87E-08	2.65E-08	3.70E-07
478676.63, 3850221.93	0.00272	0.000551	1.91E-07	5.76E-07	4.55E-07	3.94E-07	1.77E-07	6.37E-09	1.54E-07	1.08E-07	9.35E-08	2.79E-08	3.90E-07
478726.63, 3850221.93	0.00276	0.000559	1.94E-07	5.84E-07	4.62E-07	3.99E-07	1.80E-07	6.46E-09	1.56E-07	1.10E-07	9.49E-08	2.83E-08	3.95E-07
478976.63, 3850221.93	0.0028	0.000567	1.96E-07	5.93E-07	4.68E-07	4.05E-07	1.82E-07	6.56E-09	1.58E-07	1.11E-07	9.63E-08	2.87E-08	4.01E-07
479026.63, 3850221.93	0.0028	0.000567	1.96E-07	5.93E-07	4.68E-07	4.05E-07	1.82E-07	6.56E-09	1.58E-07	1.11E-07	9.63E-08	2.87E-08	4.01E-07
479076.63, 3850221.93	0.00278	0.000563	1.95E-07	5.89E-07	4.65E-07	4.02E-07	1.81E-07	6.51E-09	1.57E-07	1.10E-07	9.56E-08	2.85E-08	3.98E-07
479126.63, 3850221.93	0.00276	0.000559	1.94E-07	5.84E-07	4.62E-07	3.99E-07	1.80E-07	6.46E-09	1.56E-07	1.10E-07	9.49E-08	2.83E-08	3.95E-07
479176.63, 3850221.93	0.00276	0.000559	1.94E-07	5.84E-07	4.62E-07	3.99E-07	1.80E-07	6.46E-09	1.56E-07	1.10E-07	9.49E-08	2.83E-08	3.95E-07
479226.63, 3850221.93	0.00277	0.000561	1.94E-07	5.86E-07	4.63E-07	4.01E-07	1.80E-07	6.49E-09	1.57E-07	1.10E-07	9.52E-08	2.84E-08	3.97E-07
479276.63, 3850221.93	0.00277	0.000561	1.94E-07	5.86E-07	4.63E-07	4.01E-07	1.80E-07	6.49E-09	1.57E-07	1.10E-07	9.52E-08	2.84E-08	3.97E-07
479326.63, 3850221.93	0.00272	0.000551	1.91E-07	5.76E-07	4.55E-07	3.94E-07	1.77E-07	6.37E-09	1.54E-07	1.08E-07	9.35E-08	2.79E-08	3.90E-07
479376.63, 3850221.93	0.00268	0.000543	1.88E-07	5.67E-07	4.48E-07	3.88E-07	1.74E-07	6.27E-09	1.52E-07	1.06E-07	9.21E-08	2.75E-08	3.84E-07
478676.63, 3850271.93	0.00273	0.000553	1.91E-07	5.78E-07	4.57E-07	3.95E-07	1.78E-07	6.39E-09	1.54E-07	1.08E-07	9.39E-08	2.80E-08	3.91E-07
478726.63, 3850271.93	0.00277	0.000561	1.94E-07	5.86E-07	4.63E-07	4.01E-07	1.80E-07	6.49E-09	1.57E-07	1.10E-07	9.52E-08	2.84E-08	3.97E-07
478976.63, 3850271.93	0.00285	0.000577	2.00E-07	6.03E-07	4.77E-07	4.12E-07	1.85E-07	6.67E-09	1.61E-07	1.13E-07	9.80E-08	2.92E-08	4.08E-07
479026.63, 3850271.93	0.00287	0.000581	2.01E-07	6.08E-07	4.80E-07	4.15E-07	1.87E-07	6.72E-09	1.62E-07	1.14E-07	9.87E-08	2.95E-08	4.11E-07
479076.63, 3850271.93	0.00287	0.000581	2.01E-07	6.08E-07	4.80E-07	4.15E-07	1.87E-07	6.72E-09	1.62E-07	1.14E-07	9.87E-08	2.95E-08	4.11E-07
479126.63, 3850271.93	0.00286	0.000579	2.01E-07	6.05E-07	4.78E-07	4.14E-07	1.86E-07	6.70E-09	1.62E-07	1.14E-07	9.83E-08	2.94E-08	4.10E-07
479176.63, 3850271.93	0.00286	0.000579	2.01E-07	6.05E-07	4.78E-07	4.14E-07	1.86E-07	6.70E-09	1.62E-07	1.14E-07	9.83E-08	2.94E-08	4.10E-07
479226.63, 3850271.93	0.00286	0.000579	2.01E-07	6.05E-07	4.78E-07	4.14E-07	1.86E-07	6.70E-09	1.62E-07	1.14E-07	9.83E-08	2.94E-08	4.10E-07
479276.63, 3850271.93	0.00285	0.000577	2.00E-07	6.03E-07	4.77E-07	4.12E-07	1.85E-07	6.67E-09	1.61E-07	1.13E-07	9.80E-08	2.92E-08	4.08E-07
479326.63, 3850271.93	0.0028	0.000567	1.96E-07	5.93E-07	4.68E-07	4.05E-07	1.82E-07	6.56E-09	1.58E-07	1.11E-07	9.63E-08	2.87E-08	4.01E-07
479376.63, 3850271.93	0.00273	0.000553	1.91E-07	5.78E-07	4.57E-07	3.95E-07	1.78E-07	6.39E-09	1.54E-07	1.08E-07	9.39E-08	2.80E-08	3.91E-07
479053.24, 3850293.52	0.0029	0.000587	2.03E-07	6.14E-07	4.85E-07	4.20E-07	1.89E-07	6.79E-09	1.64E-07	1.15E-07	9.97E-08	2.98E-08	4.16E-07
479103.24, 3850293.52	0.0029	0.000587	2.03E-07	6.14E-07	4.85E-07	4.20E-07	1.89E-07	6.79E-09	1.64E-07	1.15E-07	9.97E-08	2.98E-08	4.16E-07
479153.24, 3850293.52	0.00289	0.000585	2.03E-07	6.12E-07	4.83E-07	4.18E-07	1.88E-07	6.77E-09	1.63E-07	1.15E-07	9.94E-08	2.97E-08	4.14E-07
479203.24, 3850293.52	0.0029	0.000587	2.03E-07	6.14E-07	4.85E-07	4.20E-07	1.89E-07	6.79E-09	1.64E-07	1.15E-07	9.97E-08	2.98E-08	4.16E-07
479253.24, 3850293.52	0.00289	0.000585	2.03E-07	6.12E-07	4.83E-07	4.18E-07	1.88E-07	6.77E-09	1.63E-07	1.15E-07	9.94E-08	2.97E-08	4.14E-07
479303.24, 3850293.52	0.00285	0.000577	2.00E-07	6.03E-07	4.77E-07	4.12E-07	1.85E-07	6.67E-09	1.61E-07	1.13E-07	9.80E-08	2.92E-08	4.08E-07
479353.24, 3850293.52	0.00279	0.000565	1.96E-07	5.91E-07	4.67E-07	4.04E-07	1.82E-07	6.53E-09	1.58E-07	1.11E-07	9.59E-08	2.86E-08	4.00E-07
479153.24, 3850343.52	0.00298	0.000604	2.09E-07	6.31E-07	4.98E-07	4.31E-07	1.94E-07	6.98E-09	1.69E-07	1.18E-07	1.02E-07	3.06E-08	4.27E-07
479203.24, 3850343.52	0.00298	0.000604	2.09E-07	6.31E-07	4.98E-07	4.31E-07	1.94E-07	6.98E-09	1.69E-07	1.18E-07	1.02E-07	3.06E-08	4.27E-07
479253.24, 3850343.52	0.00296	0.0006	2.08E-07	6.27E-07	4.95E-07	4.28E-07	1.93E-07	6.93E-09	1.67E-07	1.18E-07	1.02E-07	3.04E-08	4.24E-07
479303.24, 3850343.52	0.00291	0.000589	2.04E-07	6.16E-07	4.87E-07	4.21E-07	1.89E-07	6.81E-09	1.65E-07	1.16E-07	1.00E-07	2.99E-08	4.17E-07
479353.24, 3850343.52	0.00287	0.000581	2.01E-07	6.08E-07	4.80E-07	4.15E-07	1.87E-07	6.72E-09	1.62E-07	1.14E-07	9.87E-08	2.95E-08	4.11E-07
479203.24, 3850393.52	0.00305	0.000618	2.14E-07	6.46E-07	5.10E-07	4.41E-07	1.98E-07	7.14E-09	1.72E-07	1.21E-07	1.05E-07	3.13E-08	4.37E-07
479253.24, 3850393.52	0.00303	0.000614	2.12E-07	6.41E-07	5.07E-07	4.38E-07	1.97E-07	7.09E-09	1.71E-07	1.20E-07	1.04E-07	3.11E-08	4.34E-07
479303.24, 3850393.52	0.00299	0.000606	2.10E-07	6.33E-07	5.00E-07	4.33E-07	1.95E-07	7.00E-09	1.69E-07	1.19E-07	1.03E-07	3.07E-08	4.28E-07
479353.24, 3850393.52	0.00294	0.000596	2.06E-07	6.22E-07	4.92E-07	4.25E-07	1.91E-07	6.88E-09	1.66E-07	1.17E-07	1.01E-07	3.02E-08	4.21E-07
479403.24, 3850393.52	0.0029	0.000587	2.03E-07	6.14E-07	4.85E-07	4.20E-07	1.89E-07	6.79E-09	1.64E-07	1.15E-07	9.97E-08	2.98E-08	4.16E-07
479453.24, 3850393.52	0.00283	0.000573	1.98E-07	5.99E-07	4.73E-07	4.10E-07	1.84E-07	6.63E-09	1.60E-07	1.12E-07	9.73E-08	2.90E-08	4.05E-07
479503.24, 3850393.52	0.00275	0.000557	1.93E-07	5.82E-07	4.60E-07	3.98E-07	1.79E-07	6.44E-09	1.56E-07	1.09E-07	9.45E-08	2.82E-08	3.94E-07
479303.24, 3850443.52	0.00304	0.000616	2.13E-07	6.44E-07	5.08E-07	4.40E-07	1.98E-07	7.12E-09	1.72E-07	1.21E-07	1.05E-07	3.12E-08	4.36E-07
479353.24, 3850443.52	0.00299	0.000606	2.10E-07	6.33E-07	5.00E-07	4.33E-07	1.95E-07	7.00E-09	1.69E-07	1.19E-07	1.03E-07	3.07E-08	4.28E-07
479403.24, 3850443.52	0.00293	0.000593	2.05E-07	6.20E-07	4.90E-07	4.24E-07	1.91E-07	6.86E-09	1.66E-07	1.16E-07	1.01E-07	3.01E-08	4.20E-07
479453.24, 3850443.52	0.00287	0.000581	2.01E-07	6.08E-07	4.80E-07	4.15E-07	1.87E-07	6.72E-09	1.62E-07	1.14E-07	9.87E-08	2.95E-08	4.11E-07
479503.24, 3850443.52	0.0028	0.000567	1.96E-07	5.93E-07	4.68E-07	4.05E-07	1.82E-07	6.56E-09	1.58E-07	1.11E-07	9.63E-08	2.87E-08	4.01E-07
480327.18, 3850987.04	0.00339	0.000687	2.38E-07	7.18E-07	5.67E-07	4.91E-07	2.21E-07	7.94E-09	1.92E-07	1.35E-07	1.17E-07	3.48E-08	4.86E-07
480377.18, 3850987.04	0.00334	0.000677	2.34E-07	7.07E-07	5.59E-07	4.83E-07	2.17E-07	7.82E-09	1.89E-07	1.33E-07	1.15E-07	3.43E-08	4.79E-07
480427.18, 3850987.04	0.00327	0.000662	2.29E-07	6.92E-07	5.47E-07	4.73E-07	2.13E-07	7.66E-09	1.85E-07	1.30E-07	1.12E-07	3.36E-08	4.69E-07
480477.18, 3850987.04	0.00319	0.000646	2.24E-07	6.75E-07	5.33E-07	4.62E-07	2.08E-07	7.47E-09	1.80E-07	1.27E-07	1.10E-07	3.27E-08	4.57E-07
480327.18, 3851037.04	0.00349	0.000707	2.45E-07	7.39E-07	5.84E-07	5.05E-07	2.27E-07	8.17E-09	1.97E-07	1.39E-07	1.20E-07	3.58E-08	5.00E-07
480377.18, 3851037.04	0.00343	0.000695	2.41E-07	7.26E-07	5.74E-07	4.96E-07	2.23E-07	8.03E-09	1.94E-07	1.36E-07	1.18E-07	3.52E-08	4.91E-07
480427.18, 3851037.04	0.00337	0.000683	2.36E-07	7.13E-07	5.64E-07	4.88E-07	2.19E-07	7.89E-09	1.91E-07	1.34E-07	1.16E-07	3.46E-08	4.83E-07
480477.18, 3851037.04	0.00331	0.00067	2.32E-07	7.01E-07	5.54E-07	4.79E-07	2.15E-07	7.75E-09	1.87E-07	1.32E-07	1.14E-07	3.40E-08	4.74E-07
480622.06, 3851087.39	0.00328	0.000664	2.30E-07	6.94E-07	5.49E-07	4.75E-07	2.13E-07	7.68E-09	1.86E-07	1.30E-07	1.13E-07	3.37E-08	4.70E-07
480672.06, 3851087.39	0.00324	0.000656	2.27E-07	6.86E-07	5.42E-07	4.69E-07	2.11E-07	7.59E-09	1.83E-07	1.29E-07	1.11E-07	3.33E-08	4.64E-07
480622.06, 3851137.39	0.0034	0.000689	2.38E-07	7.20E-07	5.69E-07	4.92E-07	2.21E-07	7.96E-09	1.92E-07	1.35E-07	1.17E-07	3.49E-08	4.87E-07
480672.06, 3851137.39	0.00336	0.000681	2.36E-07	7.11E-07	5.62E-07	4.86E-07	2.19E-07	7.87E-09	1.90E-07	1.34E-07	1.16E-07	3.45E-08	4.81E-07
480722.06, 3851137.39	0.00333	0.000675	2.33E-07	7.05E-07	5.57E-07	4.82E-07	2.17E-07	7.80E-09	1.88E-07	1.32E-07	1.14E-07	3.42E-08	4.77E-07
480622.06, 3851187.39	0.00352	0.000713	2.47E-07	7.45E-07	5.89E-07	5.09E-07	2.29E-07	8.24E-09	1.99E-07	1.40E-07	1.21E-07	3.61E-08	5.04E-07
480672.06, 3851187.39	0.00349	0.000707	2.45E-07	7.39E-07	5.84E-07	5.05E-07	2.27E-07	8.17E-09	1.97E-07	1.39E-07	1.20E-07	3.58E-08	5.00E-07
480722.06, 3851187.39	0.00346	0.000701	2.43E-07	7.33E-07	5.79E-07	5.01E-07	2.25E-07	8.10E-09	1.96E-07	1.37E-07	1.19E-07	3.55E-08	4.96E-07
471363.09, 3845877.25	0.00084	0.00017	5.89E-08	1.78E-07	1.40E-07	1.22E-07	5.47E-08	1.97E-09	4.75E-08	3.34E-08	2.89E-08	8.62E-09	1.20E-07
471863.09, 3845877.25	0.00088	0.000178	6.17E-08	1.86E-07	1.47E-07	1.27E-07	5.73E-08	2.06E-09	4.98E-08	3.50E-08	3.03E-08	9.03E-09	1.26E-07
472363.09, 3845877.25	0.00097	0.000196	6.80E-08	2.05E-07	1.62E-07	1.40E-07	6.31E-08	2.27E-09	5.49E-08	3.85E-08	3.33E-08	9.96E-09	1.39E-07
472863.09, 3845877.25	0.00091	0.000184	6.38E-08	1.93E-07	1.52E-07	1.32E-07	5.92E-08	2.13E-09	5.15E-08	3.62E-08	3.13E-08	9.34E-09	1.30E-07
473363.09, 3845877.25	0.00092	0.000186	6.45E-08	1.95E-07	1.54E-07	1.33E-07	5.99E-08	2.15E-09	5.20E-08	3.66E-08	3.16E-08	9.44E-09	1.32E-07
473863.09, 3845877.25	0.00091	0.000184	6.38E-08	1.93E-07	1.52E-07	1.32E-07	5.92E-08	2.13E-09	5.15E-08	3.62E-08	3.13E-08	9.34E-09	1.30E-07

474363.09, 3845877.25	0.00092	0.000186	6.45E-08	1.95E-07	1.54E-07	1.33E-07	5.99E-08	2.15E-09	5.20E-08	3.66E-08	3.16E-08	9.44E-09	1.32E-07
474863.09, 3845877.25	0.00094	0.00019	6.59E-08	1.99E-07	1.57E-07	1.36E-07	6.12E-08	2.20E-09	5.32E-08	3.74E-08	3.23E-08	9.65E-09	1.35E-07
475363.09, 3845877.25	0.00098	0.000199	6.87E-08	2.07E-07	1.64E-07	1.42E-07	6.38E-08	2.29E-09	5.54E-08	3.89E-08	3.37E-08	1.01E-08	1.40E-07
475863.09, 3845877.25	0.00102	0.000207	7.15E-08	2.16E-07	1.71E-07	1.48E-07	6.64E-08	2.39E-09	5.77E-08	4.05E-08	3.51E-08	1.05E-08	1.46E-07
476363.09, 3845877.25	0.00102	0.000207	7.15E-08	2.16E-07	1.71E-07	1.48E-07	6.64E-08	2.39E-09	5.77E-08	4.05E-08	3.51E-08	1.05E-08	1.46E-07
476863.09, 3845877.25	0.00101	0.000205	7.08E-08	2.14E-07	1.69E-07	1.46E-07	6.57E-08	2.36E-09	5.71E-08	4.01E-08	3.47E-08	1.04E-08	1.45E-07
477363.09, 3845877.25	0.00102	0.000207	7.15E-08	2.16E-07	1.71E-07	1.48E-07	6.64E-08	2.39E-09	5.77E-08	4.05E-08	3.51E-08	1.05E-08	1.46E-07
477863.09, 3845877.25	0.001	0.000203	7.01E-08	2.12E-07	1.67E-07	1.45E-07	6.51E-08	2.34E-09	5.66E-08	3.97E-08	3.44E-08	1.03E-08	1.43E-07
478363.09, 3845877.25	0.001	0.000203	7.01E-08	2.12E-07	1.67E-07	1.45E-07	6.51E-08	2.34E-09	5.66E-08	3.97E-08	3.44E-08	1.03E-08	1.43E-07
478863.09, 3845877.25	0.00098	0.000199	6.87E-08	2.07E-07	1.64E-07	1.42E-07	6.38E-08	2.29E-09	5.54E-08	3.89E-08	3.37E-08	1.01E-08	1.40E-07
479363.09, 3845877.25	0.00096	0.000194	6.73E-08	2.03E-07	1.61E-07	1.39E-07	6.25E-08	2.25E-09	5.43E-08	3.81E-08	3.30E-08	9.85E-09	1.38E-07
479863.09, 3845877.25	0.0009	0.000182	6.31E-08	1.91E-07	1.51E-07	1.30E-07	5.86E-08	2.11E-09	5.09E-08	3.58E-08	3.09E-08	9.24E-09	1.29E-07
480363.09, 3845877.25	0.00082	0.000166	5.75E-08	1.74E-07	1.37E-07	1.19E-07	5.34E-08	1.92E-09	4.64E-08	3.26E-08	2.82E-08	8.42E-09	1.17E-07
480863.09, 3845877.25	0.00076	0.000154	5.33E-08	1.61E-07	1.27E-07	1.10E-07	4.95E-08	1.78E-09	4.30E-08	3.02E-08	2.61E-08	7.80E-09	1.09E-07
481363.09, 3845877.25	0.00071	0.000144	4.98E-08	1.50E-07	1.19E-07	1.03E-07	4.62E-08	1.66E-09	4.02E-08	2.82E-08	2.44E-08	7.29E-09	1.02E-07
481863.09, 3845877.25	0.00068	0.000138	4.77E-08	1.44E-07	1.14E-07	9.84E-08	4.42E-08	1.59E-09	3.85E-08	2.70E-08	2.34E-08	6.98E-09	9.74E-08
482363.09, 3845877.25	0.00066	0.000134	4.63E-08	1.40E-07	1.10E-07	9.55E-08	4.29E-08	1.55E-09	3.73E-08	2.62E-08	2.27E-08	6.77E-09	9.46E-08
482863.09, 3845877.25	0.00062	0.000126	4.35E-08	1.31E-07	1.04E-07	8.97E-08	4.03E-08	1.45E-09	3.51E-08	2.46E-08	2.13E-08	6.36E-09	8.88E-08
483363.09, 3845877.25	0.00057	0.000115	4.00E-08	1.21E-07	9.53E-08	8.25E-08	3.71E-08	1.33E-09	3.22E-08	2.26E-08	1.96E-08	5.85E-09	8.17E-08
483863.09, 3845877.25	0.00059	0.00012	4.14E-08	1.25E-07	9.87E-08	8.54E-08	3.84E-08	1.38E-09	3.34E-08	2.34E-08	2.03E-08	6.06E-09	8.45E-08
484363.09, 3845877.25	0.00058	0.000117	4.07E-08	1.23E-07	9.70E-08	8.39E-08	3.77E-08	1.36E-09	3.28E-08	2.30E-08	1.99E-08	5.95E-09	8.31E-08
484863.09, 3845877.25	0.00058	0.000117	4.07E-08	1.23E-07	9.70E-08	8.39E-08	3.77E-08	1.36E-09	3.28E-08	2.30E-08	1.99E-08	5.95E-09	8.31E-08
485363.09, 3845877.25	0.00057	0.000115	4.00E-08	1.21E-07	9.53E-08	8.25E-08	3.71E-08	1.33E-09	3.22E-08	2.26E-08	1.96E-08	5.85E-09	8.17E-08
485863.09, 3845877.25	0.00056	0.000113	3.93E-08	1.19E-07	9.36E-08	8.10E-08	3.64E-08	1.31E-09	3.17E-08	2.23E-08	1.93E-08	5.75E-09	8.02E-08
486363.09, 3845877.25	0.00053	0.000107	3.72E-08	1.12E-07	8.86E-08	7.67E-08	3.45E-08	1.24E-09	3.00E-08	2.11E-08	1.82E-08	5.44E-09	7.59E-08
486863.09, 3845877.25	0.00051	0.000103	3.58E-08	1.08E-07	8.53E-08	7.38E-08	3.32E-08	1.19E-09	2.88E-08	2.03E-08	1.75E-08	5.23E-09	7.31E-08
487363.09, 3845877.25	0.0005	0.000101	3.51E-08	1.06E-07	8.36E-08	7.24E-08	3.25E-08	1.17E-09	2.83E-08	1.99E-08	1.72E-08	5.13E-09	7.16E-08
487863.09, 3845877.25	0.00048	9.72E-05	3.37E-08	1.02E-07	8.03E-08	6.95E-08	3.12E-08	1.12E-09	2.71E-08	1.91E-08	1.65E-08	4.93E-09	6.88E-08
488363.09, 3845877.25	0.00048	9.72E-05	3.37E-08	1.02E-07	8.03E-08	6.95E-08	3.12E-08	1.12E-09	2.71E-08	1.91E-08	1.65E-08	4.93E-09	6.88E-08
488863.09, 3845877.25	0.0005	0.000101	3.51E-08	1.06E-07	8.36E-08	7.24E-08	3.25E-08	1.17E-09	2.83E-08	1.99E-08	1.72E-08	5.13E-09	7.16E-08
489363.09, 3845877.25	0.00051	0.000103	3.58E-08	1.08E-07	8.53E-08	7.38E-08	3.32E-08	1.19E-09	2.88E-08	2.03E-08	1.75E-08	5.23E-09	7.31E-08
489863.09, 3845877.25	0.00048	9.72E-05	3.37E-08	1.02E-07	8.03E-08	6.95E-08	3.12E-08	1.12E-09	2.71E-08	1.91E-08	1.65E-08	4.93E-09	6.88E-08
490363.09, 3845877.25	0.00044	8.91E-05	3.09E-08	9.32E-08	7.36E-08	6.37E-08	2.86E-08	1.03E-09	2.49E-08	1.75E-08	1.51E-08	4.52E-09	6.30E-08
490863.09, 3845877.25	0.00039	7.9E-05	2.73E-08	8.26E-08	6.52E-08	5.64E-08	2.54E-08	9.13E-10	2.21E-08	1.55E-08	1.34E-08	4.00E-09	5.59E-08
491363.09, 3845877.25	0.00039	7.9E-05	2.73E-08	8.26E-08	6.52E-08	5.64E-08	2.54E-08	9.13E-10	2.21E-08	1.55E-08	1.34E-08	4.00E-09	5.59E-08
491863.09, 3845877.25	0.00039	7.9E-05	2.73E-08	8.26E-08	6.52E-08	5.64E-08	2.54E-08	9.13E-10	2.21E-08	1.55E-08	1.34E-08	4.00E-09	5.59E-08
492363.09, 3845877.25	0.00036	7.29E-05	2.52E-08	7.62E-08	6.02E-08	5.21E-08	2.34E-08	8.43E-10	2.04E-08	1.43E-08	1.24E-08	3.69E-09	5.16E-08
492863.09, 3845877.25	0.00039	7.9E-05	2.73E-08	8.26E-08	6.52E-08	5.64E-08	2.54E-08	9.13E-10	2.21E-08	1.55E-08	1.34E-08	4.00E-09	5.59E-08
493363.09, 3845877.25	0.0004	8.1E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
493863.09, 3845877.25	0.00039	7.9E-05	2.73E-08	8.26E-08	6.52E-08	5.64E-08	2.54E-08	9.13E-10	2.21E-08	1.55E-08	1.34E-08	4.00E-09	5.59E-08
494363.09, 3845877.25	0.00037	7.49E-05	2.59E-08	7.83E-08	6.19E-08	5.35E-08	2.41E-08	8.66E-10	2.09E-08	1.47E-08	1.27E-08	3.80E-09	5.30E-08
494863.09, 3845877.25	0.00036	7.29E-05	2.52E-08	7.62E-08	6.02E-08	5.21E-08	2.34E-08	8.43E-10	2.04E-08	1.43E-08	1.24E-08	3.69E-09	5.16E-08
495363.09, 3845877.25	0.00038	7.7E-05	2.66E-08	8.04E-08	6.35E-08	5.50E-08	2.47E-08	8.90E-10	2.15E-08	1.51E-08	1.31E-08	3.90E-09	5.44E-08
495863.09, 3845877.25	0.00038	7.7E-05	2.66E-08	8.04E-08	6.35E-08	5.50E-08	2.47E-08	8.90E-10	2.15E-08	1.51E-08	1.31E-08	3.90E-09	5.44E-08
496363.09, 3845877.25	0.00037	7.49E-05	2.59E-08	7.83E-08	6.19E-08	5.35E-08	2.41E-08	8.66E-10	2.09E-08	1.47E-08	1.27E-08	3.80E-09	5.30E-08
496863.09, 3845877.25	0.00035	7.09E-05	2.45E-08	7.41E-08	5.85E-08	5.06E-08	2.28E-08	8.19E-10	1.98E-08	1.39E-08	1.20E-08	3.59E-09	5.01E-08
497363.09, 3845877.25	0.00036	7.29E-05	2.52E-08	7.62E-08	6.02E-08	5.21E-08	2.34E-08	8.43E-10	2.04E-08	1.43E-08	1.24E-08	3.69E-09	5.16E-08
497863.09, 3845877.25	0.00037	7.49E-05	2.59E-08	7.83E-08	6.19E-08	5.35E-08	2.41E-08	8.66E-10	2.09E-08	1.47E-08	1.27E-08	3.80E-09	5.30E-08
498363.09, 3845877.25	0.00039	7.9E-05	2.73E-08	8.26E-08	6.52E-08	5.64E-08	2.54E-08	9.13E-10	2.21E-08	1.55E-08	1.34E-08	4.00E-09	5.59E-08
471363.09, 3846377.25	0.00112	0.000227	7.85E-08	2.37E-07	1.87E-07	1.62E-07	7.29E-08	2.62E-09	6.33E-08	4.45E-08	3.85E-08	1.15E-08	1.60E-07
471863.09, 3846377.25	0.00104	0.000211	7.29E-08	2.20E-07	1.74E-07	1.50E-07	6.77E-08	2.44E-09	5.88E-08	4.13E-08	3.58E-08	1.07E-08	1.49E-07
472363.09, 3846377.25	0.0009	0.000182	6.31E-08	1.91E-07	1.51E-07	1.30E-07	5.86E-08	2.11E-09	5.09E-08	3.58E-08	3.09E-08	9.24E-09	1.29E-07
472863.09, 3846377.25	0.00097	0.000196	6.80E-08	2.05E-07	1.62E-07	1.40E-07	6.31E-08	2.27E-09	5.49E-08	3.85E-08	3.33E-08	9.96E-09	1.39E-07
473363.09, 3846377.25	0.00099	0.000201	6.94E-08	2.10E-07	1.66E-07	1.43E-07	6.44E-08	2.32E-09	5.60E-08	3.93E-08	3.40E-08	1.02E-08	1.42E-07
473863.09, 3846377.25	0.00103	0.000209	7.22E-08	2.18E-07	1.72E-07	1.49E-07	6.70E-08	2.41E-09	5.83E-08	4.09E-08	3.54E-08	1.06E-08	1.48E-07
474363.09, 3846377.25	0.00103	0.000209	7.22E-08	2.18E-07	1.72E-07	1.49E-07	6.70E-08	2.41E-09	5.83E-08	4.09E-08	3.54E-08	1.06E-08	1.48E-07
474863.09, 3846377.25	0.00104	0.000211	7.29E-08	2.20E-07	1.74E-07	1.50E-07	6.77E-08	2.44E-09	5.88E-08	4.13E-08	3.58E-08	1.07E-08	1.49E-07
475363.09, 3846377.25	0.00104	0.000211	7.29E-08	2.20E-07	1.74E-07	1.50E-07	6.77E-08	2.44E-09	5.88E-08	4.13E-08	3.58E-08	1.07E-08	1.49E-07
475863.09, 3846377.25	0.00108	0.000219	7.57E-08	2.29E-07	1.81E-07	1.56E-07	7.03E-08	2.53E-09	6.11E-08	4.29E-08	3.71E-08	1.11E-08	1.55E-07
476363.09, 3846377.25	0.00107	0.000217	7.50E-08	2.27E-07	1.79E-07	1.55E-07	6.96E-08	2.51E-09	6.05E-08	4.25E-08	3.68E-08	1.10E-08	1.53E-07
476863.09, 3846377.25	0.00108	0.000219	7.57E-08	2.29E-07	1.81E-07	1.56E-07	7.03E-08	2.53E-09	6.11E-08	4.29E-08	3.71E-08	1.11E-08	1.55E-07
477363.09, 3846377.25	0.00108	0.000219	7.57E-08	2.29E-07	1.81E-07	1.56E-07	7.03E-08	2.53E-09	6.11E-08	4.29E-08	3.71E-08	1.11E-08	1.55E-07
477863.09, 3846377.25	0.00106	0.000215	7.43E-08	2.24E-07	1.77E-07	1.53E-07	6.90E-08	2.48E-09	6.00E-08	4.21E-08	3.64E-08	1.09E-08	1.52E-07
478363.09, 3846377.25	0.00105	0.000213	7.36E-08	2.22E-07	1.76E-07	1.52E-07	6.83E-08	2.46E-09	5.94E-08	4.17E-08	3.61E-08	1.08E-08	1.50E-07
478863.09, 3846377.25	0.00108	0.000219	7.57E-08	2.29E-07	1.81E-07	1.56E-07	7.03E-08	2.53E-09	6.11E-08	4.29E-08	3.71E-08	1.11E-08	1.55E-07
479363.09, 3846377.25	0.00106	0.000215	7.43E-08	2.24E-07	1.77E-07	1.53E-07	6.90E-08	2.48E-09	6.00E-08	4.21E-08	3.64E-08	1.09E-08	1.52E-07
479863.09, 3846377.25	0.001	0.000203	7.01E-08	2.12E-07	1.67E-07	1.45E-07	6.51E-08	2.34E-09	5.66E-08	3.97E-08	3.44E-08	1.03E-08	1.43E-07
480363.09, 3846377.25	0.00095	0.000192	6.66E-08	2.01E-07	1.59E-07	1.37E-07	6.18E-08	2.22E-09	5.37E-08	3.77E-08	3.27E-08	9.75E-09	1.36E-07
480863.09, 3846377.25	0.00085	0.000172	5.96E-08	1.80E-07	1.42E-07	1.23E-07	5.53E-08	1.99E-09	4.81E-08	3.38E-08	2.92E-08	8.72E-09	1.22E-07
481363.09, 3846377.25	0.00079	0.00016	5.54E-08	1.67E-07	1.32E-07	1.14E-07	5.14E-08	1.85E-09	4.47E-08	3.14E-08	2.72E-08	8.11E-09	1.13E-07
481863.09, 3846377.25	0.00074	0.00015	5.19E-08	1.57E-07	1.24E-07	1.07E-07	4.81E-08	1.73E-09	4.19E-08	2.94E-08	2.54E-08	7.59E-09	1.06E-07
482363.09, 3846377.25	0.0007	0.000142	4.91E-08	1.48E-07	1.17E-07	1.01E-07	4.55E-08	1.64E-09	3.96E-08	2.78E-08	2.41E-08	7.18E-09	1.00E-07
482863.09, 3846377.25	0.00067	0.000136	4.70E-08	1.42E-07	1.12E-07	9.69E-08	4.36E-08	1.57E-09	3.79E-08	2.66E-08	2.30E-08	6.88E-09	9.60E-08
483363.09, 3846377.25	0.00067	0.000136	4.70E-08	1.42E-07	1.12E-07	9.69E-08	4.36E-08	1.57E-09	3.79E-08	2.66E-08	2.30E-08	6.88E-09	9.60E-08
483863.09, 3846377.25	0.00064	0.00013	4.49E-08	1.35E-07	1.07E-07	9.26E-08	4.16E-08	1.50E-09	3.62E-08	2.54E-08	2.20E-08	6.57E-09	9.17E-08
484363.09, 3846377.25	0.00061	0.000124	4.28E-08	1.29E-07	1.02E-07	8.83E-08	3.97E-08	1.43E-09	3.45E-08	2.42E-08	2.10E-08	6.26E-09	8.74E-08
484863.09, 3846377.25	0.00061	0.000124	4.28E-08	1.29E-07	1.02E-07	8.83E-08	3.97E-08	1.43E-09	3.45E-08	2.42E-08	2.10E-08	6.26E-09	8.74E-08
485363.09, 3846377.25	0.00062	0.000126	4.35E-08	1.31E-07	1.04E-07	8.97E-08	4.03E-08	1.45E-09	3.51E-08	2.46E-08	2.13E-08	6.36E-09	8.88E-08
485863.09, 3846377.25	0.0006	0.000122	4.21E-08	1.27E-07	1.00E-07	8.68E-08	3.90E-08	1.40E-09	3.39E-08	2.38E-08	2.06E-08	6.16E-09	8.60E-08
486363.09, 3846377.25	0.00056	0.000113	3.93E-08	1.19E-07	9.36E-08	8.10E-08	3.64E-08	1.31E-09	3.17E-08	2.23E-08	1.93E-08	5.75E-09	8.02E-08
486863.09, 3846377.25	0.00053	0.000107	3.72E-08	1.12E-07	8.86E-08	7.67E-08	3.45E-08	1.24E-09	3.00E-08	2.11E-08	1.82E-08	5.44E-09	7.59E-08
487363.09, 3846377.25	0.00053	0.000107	3.72E-08	1.12E-07	8.86E-08	7.67E-08	3.45E-08	1.24E-09	3.00E-08	2.11E-08	1.82E-08	5.44E-09	7.59E-08
487863.09, 3846377.25	0.00054	0.000109	3.79E-08	1.14E-07	9.03E-08	7.81E-08	3.51E-08	1.26E-09	3.05E-08	2.15E-08	1.86E-08	5.54E-09	7.74E-08
488363.09, 3846377.25	0.00053	0.000107	3.72E-08	1.12E-07	8.86E-08	7.67E-08	3.45E-08	1.24E-09	3.00E-08	2.11E-08	1.82E-08	5.44E-09	7.59E-08
488863.09, 3846377.25	0.00053	0.000107	3.72E-08	1.12E-07	8.86E-08	7.67E-08	3.45E-08	1.24E-09	3.00E-08	2.11E-08	1.82E-08	5.44E-09	7.59E-08
489363.09, 3846377.25	0.00053	0.000107	3.72E-08	1.12E-07	8.86E-08	7.67E-08	3.45E-08	1.24E-09	3.00E-08	2.11E-08	1.82E-08	5.44E-09	7.59E-08
489863.09, 3846377.25	0.00052	0.000105	3.65E-08	1.10E-07	8.70E-08	7.52E-08	3.38E-08	1.22E-09	2.94E-08	2.07E-08	1.79E-08	5.34E-09	7.45E-08
490363.09, 3846377.25	0.00046	9.32E-05	3.23E-08	9.74E-08	7.69E-08	6.66E-08	2.99E-08	1.08E-09	2.60E-08	1.83E-08	1.58E-08	4.72E-09	6.59E-08
490863.09, 3846377.25	0.00042	8.51E-05	2.94E-08	8.89E-08	7.02E-08	6.08E-08	2.73E-08	9.83E-10	2.38E-08	1.67E-08	1.44E-08	4.31E-09	6.02E-08
491363.09, 3846377.25	0.0004	8.1E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
491863.09, 3846377.25	0.00041	8.3E-05	2.87E-08	8.68E-08	6.86E-08	5.93E-08	2.67E-08	9.60E-10	2.32E-08	1.63E-08	1.41E-08	4.21E-09	5.87E-08
492363.09, 3846377.25	0.0004	8.1E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
492863.09, 3846377.25	0.0004	8.1E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
493363.09, 3846377.25	0.00043	8.71E-05	3.02E-08	9.10E-08	7.19E-08	6.22E-08	2.80E-08	1.01E-09	2.43E-08	1.71E-08	1.48E-08	4.41E-09	6.16E-08
493863.09, 3846377.25	0.00042	8.51E-05	2.94E-08	8.89E-08	7.02E-08	6.08E-08	2.73E-08	9.83E-10	2.38E-08	1.67E-08	1.44E-08	4.31E-09	6.02E-08
494363.09, 3846377.25	0.00039	7.9E-05	2.73E-08	8.26E-08	6.52E-08	5.64E-08	2.54E-08	9.13E-10	2.21E-08	1.55E-08	1.34E-08	4.00E-09	5.59E-08
494863.09, 3846377.25	0.00038	7.7E-05	2.66E-08	8.04E-08	6.35E-08	5.50E-08	2.47E-08	8.90E-10	2.15E-08	1.51E-08	1.31E-08	3.90E-09	5.44E-08
495363.09, 3846377.25	0.0004	8.1E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
495863.09, 3846377.25	0.0004	8.1E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08

496363.09, 3846377.25	0.00039	7.9E-05	2.73E-08	8.26E-08	6.52E-08	5.64E-08	2.54E-08	9.13E-10	2.21E-08	1.55E-08	1.34E-08	4.00E-09	5.59E-08
496863.09, 3846377.25	0.00037	7.49E-05	2.59E-08	7.83E-08	6.19E-08	5.35E-08	2.41E-08	8.66E-10	2.09E-08	1.47E-08	1.27E-08	3.80E-09	5.30E-08
497363.09, 3846377.25	0.00038	7.7E-05	2.66E-08	8.04E-08	6.35E-08	5.50E-08	2.47E-08	8.90E-10	2.15E-08	1.51E-08	1.31E-08	3.90E-09	5.44E-08
497863.09, 3846377.25	0.00039	7.9E-05	2.73E-08	8.26E-08	6.52E-08	5.64E-08	2.54E-08	9.13E-10	2.21E-08	1.55E-08	1.34E-08	4.00E-09	5.59E-08
498363.09, 3846377.25	0.00041	8.3E-05	2.87E-08	8.68E-08	6.86E-08	5.93E-08	2.67E-08	9.60E-10	2.32E-08	1.63E-08	1.41E-08	4.21E-09	5.87E-08
471363.09, 3846877.25	0.00117	0.000237	8.20E-08	2.48E-07	1.96E-07	1.69E-07	7.61E-08	2.74E-09	6.62E-08	4.65E-08	4.02E-08	1.20E-08	1.68E-07
471863.09, 3846877.25	0.0012	0.000243	8.41E-08	2.54E-07	2.01E-07	1.74E-07	7.81E-08	2.81E-09	6.79E-08	4.77E-08	4.13E-08	1.23E-08	1.72E-07
472363.09, 3846877.25	0.00114	0.000231	7.99E-08	2.41E-07	1.91E-07	1.65E-07	7.42E-08	2.67E-09	6.45E-08	4.53E-08	3.92E-08	1.17E-08	1.63E-07
472863.09, 3846877.25	0.0009	0.000182	6.31E-08	1.91E-07	1.51E-07	1.30E-07	5.86E-08	2.11E-09	5.09E-08	3.58E-08	3.09E-08	9.24E-09	1.29E-07
473363.09, 3846877.25	0.00103	0.000209	7.22E-08	2.18E-07	1.72E-07	1.49E-07	6.70E-08	2.41E-09	5.83E-08	4.09E-08	3.54E-08	1.06E-08	1.48E-07
473863.09, 3846877.25	0.00113	0.000229	7.92E-08	2.39E-07	1.89E-07	1.64E-07	7.35E-08	2.65E-09	6.39E-08	4.49E-08	3.89E-08	1.16E-08	1.62E-07
474363.09, 3846877.25	0.00113	0.000229	7.92E-08	2.39E-07	1.89E-07	1.64E-07	7.35E-08	2.65E-09	6.39E-08	4.49E-08	3.89E-08	1.16E-08	1.62E-07
474863.09, 3846877.25	0.00112	0.000227	7.85E-08	2.37E-07	1.87E-07	1.62E-07	7.29E-08	2.62E-09	6.33E-08	4.45E-08	3.85E-08	1.15E-08	1.60E-07
475363.09, 3846877.25	0.00109	0.000221	7.64E-08	2.31E-07	1.82E-07	1.58E-07	7.09E-08	2.55E-09	6.16E-08	4.33E-08	3.75E-08	1.12E-08	1.56E-07
475863.09, 3846877.25	0.00114	0.000231	7.99E-08	2.41E-07	1.91E-07	1.65E-07	7.42E-08	2.67E-09	6.45E-08	4.53E-08	3.92E-08	1.17E-08	1.63E-07
476363.09, 3846877.25	0.00115	0.000233	8.06E-08	2.43E-07	1.92E-07	1.66E-07	7.48E-08	2.69E-09	6.50E-08	4.57E-08	3.95E-08	1.18E-08	1.65E-07
476863.09, 3846877.25	0.00113	0.000229	7.92E-08	2.39E-07	1.89E-07	1.64E-07	7.35E-08	2.65E-09	6.39E-08	4.49E-08	3.89E-08	1.16E-08	1.62E-07
477363.09, 3846877.25	0.00115	0.000233	8.06E-08	2.43E-07	1.92E-07	1.66E-07	7.48E-08	2.69E-09	6.50E-08	4.57E-08	3.95E-08	1.18E-08	1.65E-07
477863.09, 3846877.25	0.00113	0.000229	7.92E-08	2.39E-07	1.89E-07	1.64E-07	7.35E-08	2.65E-09	6.39E-08	4.49E-08	3.89E-08	1.16E-08	1.62E-07
478363.09, 3846877.25	0.00114	0.000231	7.99E-08	2.41E-07	1.91E-07	1.65E-07	7.42E-08	2.67E-09	6.45E-08	4.53E-08	3.92E-08	1.17E-08	1.63E-07
478863.09, 3846877.25	0.00117	0.000237	8.20E-08	2.48E-07	1.96E-07	1.69E-07	7.61E-08	2.74E-09	6.62E-08	4.65E-08	4.02E-08	1.20E-08	1.68E-07
479363.09, 3846877.25	0.00115	0.000233	8.06E-08	2.43E-07	1.92E-07	1.66E-07	7.48E-08	2.69E-09	6.50E-08	4.57E-08	3.95E-08	1.18E-08	1.65E-07
479863.09, 3846877.25	0.00104	0.000211	7.29E-08	2.20E-07	1.74E-07	1.50E-07	6.77E-08	2.44E-09	5.88E-08	4.13E-08	3.58E-08	1.07E-08	1.49E-07
480363.09, 3846877.25	0.00096	0.000194	6.73E-08	2.03E-07	1.61E-07	1.39E-07	6.25E-08	2.25E-09	5.43E-08	3.81E-08	3.30E-08	9.85E-09	1.38E-07
480863.09, 3846877.25	0.0009	0.000182	6.31E-08	1.91E-07	1.51E-07	1.30E-07	5.86E-08	2.11E-09	5.09E-08	3.58E-08	3.09E-08	9.24E-09	1.29E-07
481363.09, 3846877.25	0.00086	0.000174	6.03E-08	1.82E-07	1.44E-07	1.24E-07	5.60E-08	2.01E-09	4.86E-08	3.42E-08	2.96E-08	8.83E-09	1.23E-07
481863.09, 3846877.25	0.00081	0.000164	5.68E-08	1.71E-07	1.35E-07	1.17E-07	5.27E-08	1.90E-09	4.58E-08	3.22E-08	2.78E-08	8.31E-09	1.16E-07
482363.09, 3846877.25	0.00074	0.00015	5.19E-08	1.57E-07	1.24E-07	1.07E-07	4.81E-08	1.73E-09	4.19E-08	2.94E-08	2.54E-08	7.59E-09	1.06E-07
482863.09, 3846877.25	0.00073	0.000148	5.12E-08	1.55E-07	1.22E-07	1.06E-07	4.75E-08	1.71E-09	4.13E-08	2.90E-08	2.51E-08	7.49E-09	1.05E-07
483363.09, 3846877.25	0.00072	0.000146	5.05E-08	1.52E-07	1.20E-07	1.04E-07	4.68E-08	1.69E-09	4.07E-08	2.86E-08	2.48E-08	7.39E-09	1.03E-07
483863.09, 3846877.25	0.00071	0.000144	4.98E-08	1.50E-07	1.19E-07	1.03E-07	4.62E-08	1.66E-09	4.02E-08	2.82E-08	2.44E-08	7.29E-09	1.02E-07
484363.09, 3846877.25	0.00067	0.000136	4.70E-08	1.42E-07	1.12E-07	9.69E-08	4.36E-08	1.57E-09	3.79E-08	2.66E-08	2.30E-08	6.88E-09	9.60E-08
484863.09, 3846877.25	0.00064	0.00013	4.49E-08	1.35E-07	1.07E-07	9.26E-08	4.16E-08	1.50E-09	3.62E-08	2.54E-08	2.20E-08	6.57E-09	9.17E-08
485363.09, 3846877.25	0.00065	0.000132	4.56E-08	1.38E-07	1.09E-07	9.41E-08	4.23E-08	1.52E-09	3.68E-08	2.58E-08	2.23E-08	6.67E-09	9.31E-08
485863.09, 3846877.25	0.00064	0.00013	4.49E-08	1.35E-07	1.07E-07	9.26E-08	4.16E-08	1.50E-09	3.62E-08	2.54E-08	2.20E-08	6.57E-09	9.17E-08
486363.09, 3846877.25	0.00063	0.000128	4.42E-08	1.33E-07	1.05E-07	9.12E-08	4.10E-08	1.48E-09	3.56E-08	2.50E-08	2.17E-08	6.47E-09	9.03E-08
486863.09, 3846877.25	0.00059	0.00012	4.14E-08	1.25E-07	9.87E-08	8.54E-08	3.84E-08	1.38E-09	3.34E-08	2.34E-08	2.03E-08	6.06E-09	8.45E-08
487363.09, 3846877.25	0.00058	0.000117	4.07E-08	1.23E-07	9.70E-08	8.39E-08	3.77E-08	1.36E-09	3.28E-08	2.30E-08	1.99E-08	5.95E-09	8.31E-08
487863.09, 3846877.25	0.00057	0.000115	4.00E-08	1.21E-07	9.53E-08	8.25E-08	3.71E-08	1.33E-09	3.22E-08	2.26E-08	1.96E-08	5.85E-09	8.17E-08
488363.09, 3846877.25	0.00056	0.000113	3.93E-08	1.19E-07	9.36E-08	8.10E-08	3.64E-08	1.31E-09	3.17E-08	2.23E-08	1.93E-08	5.75E-09	8.02E-08
488863.09, 3846877.25	0.00056	0.000113	3.93E-08	1.19E-07	9.36E-08	8.10E-08	3.64E-08	1.31E-09	3.17E-08	2.23E-08	1.93E-08	5.75E-09	8.02E-08
489363.09, 3846877.25	0.00056	0.000113	3.93E-08	1.19E-07	9.36E-08	8.10E-08	3.64E-08	1.31E-09	3.17E-08	2.23E-08	1.93E-08	5.75E-09	8.02E-08
489863.09, 3846877.25	0.00056	0.000113	3.93E-08	1.19E-07	9.36E-08	8.10E-08	3.64E-08	1.31E-09	3.17E-08	2.23E-08	1.93E-08	5.75E-09	8.02E-08
490363.09, 3846877.25	0.0005	0.000101	3.51E-08	1.06E-07	8.36E-08	7.24E-08	3.25E-08	1.17E-09	2.83E-08	1.99E-08	1.72E-08	5.13E-09	7.16E-08
490863.09, 3846877.25	0.00048	9.72E-05	3.37E-08	1.02E-07	8.03E-08	6.95E-08	3.12E-08	1.12E-09	2.71E-08	1.91E-08	1.65E-08	4.93E-09	6.88E-08
491363.09, 3846877.25	0.00045	9.11E-05	3.16E-08	9.53E-08	7.53E-08	6.51E-08	2.93E-08	1.05E-09	2.55E-08	1.79E-08	1.55E-08	4.62E-09	6.45E-08
491863.09, 3846877.25	0.00042	8.51E-05	2.94E-08	8.89E-08	7.02E-08	6.08E-08	2.73E-08	9.83E-10	2.38E-08	1.67E-08	1.44E-08	4.31E-09	6.02E-08
492363.09, 3846877.25	0.00045	9.11E-05	3.16E-08	9.53E-08	7.53E-08	6.51E-08	2.93E-08	1.05E-09	2.55E-08	1.79E-08	1.55E-08	4.62E-09	6.45E-08
492863.09, 3846877.25	0.00045	9.11E-05	3.16E-08	9.53E-08	7.53E-08	6.51E-08	2.93E-08	1.05E-09	2.55E-08	1.79E-08	1.55E-08	4.62E-09	6.45E-08
493363.09, 3846877.25	0.00046	9.32E-05	3.23E-08	9.74E-08	7.69E-08	6.66E-08	2.99E-08	1.08E-09	2.60E-08	1.83E-08	1.58E-08	4.72E-09	6.59E-08
493863.09, 3846877.25	0.00044	8.91E-05	3.09E-08	9.32E-08	7.36E-08	6.37E-08	2.86E-08	1.03E-09	2.49E-08	1.75E-08	1.51E-08	4.52E-09	6.30E-08
494363.09, 3846877.25	0.00041	8.3E-05	2.87E-08	8.68E-08	6.86E-08	5.93E-08	2.67E-08	9.60E-10	2.32E-08	1.63E-08	1.41E-08	4.21E-09	5.87E-08
494863.09, 3846877.25	0.0004	8.1E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
495363.09, 3846877.25	0.00041	8.3E-05	2.87E-08	8.68E-08	6.86E-08	5.93E-08	2.67E-08	9.60E-10	2.32E-08	1.63E-08	1.41E-08	4.21E-09	5.87E-08
495863.09, 3846877.25	0.00041	8.3E-05	2.87E-08	8.68E-08	6.86E-08	5.93E-08	2.67E-08	9.60E-10	2.32E-08	1.63E-08	1.41E-08	4.21E-09	5.87E-08
496363.09, 3846877.25	0.0004	8.1E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
496863.09, 3846877.25	0.00038	7.7E-05	2.66E-08	8.04E-08	6.35E-08	5.50E-08	2.47E-08	8.90E-10	2.15E-08	1.51E-08	1.31E-08	3.90E-09	5.44E-08
497363.09, 3846877.25	0.00039	7.9E-05	2.73E-08	8.26E-08	6.52E-08	5.64E-08	2.54E-08	9.13E-10	2.21E-08	1.55E-08	1.34E-08	4.00E-09	5.59E-08
497863.09, 3846877.25	0.00041	8.3E-05	2.87E-08	8.68E-08	6.86E-08	5.93E-08	2.67E-08	9.60E-10	2.32E-08	1.63E-08	1.41E-08	4.21E-09	5.87E-08
498363.09, 3846877.25	0.00043	8.71E-05	3.02E-08	9.10E-08	7.19E-08	6.22E-08	2.80E-08	1.01E-09	2.43E-08	1.71E-08	1.48E-08	4.41E-09	6.16E-08
471363.09, 3847377.25	0.00125	0.000253	8.76E-08	2.65E-07	2.09E-07	1.81E-07	8.13E-08	2.93E-09	7.07E-08	4.97E-08	4.30E-08	1.28E-08	1.79E-07
471863.09, 3847377.25	0.00125	0.000253	8.76E-08	2.65E-07	2.09E-07	1.81E-07	8.13E-08	2.93E-09	7.07E-08	4.97E-08	4.30E-08	1.28E-08	1.79E-07
472363.09, 3847377.25	0.00126	0.000255	8.83E-08	2.67E-07	2.11E-07	1.82E-07	8.20E-08	2.95E-09	7.13E-08	5.01E-08	4.33E-08	1.29E-08	1.81E-07
472863.09, 3847377.25	0.00119	0.000241	8.34E-08	2.52E-07	1.99E-07	1.72E-07	7.74E-08	2.79E-09	6.73E-08	4.73E-08	4.09E-08	1.22E-08	1.70E-07
473363.09, 3847377.25	0.00101	0.000205	7.08E-08	2.14E-07	1.69E-07	1.46E-07	6.57E-08	2.36E-09	5.71E-08	4.01E-08	3.47E-08	1.04E-08	1.45E-07
473863.09, 3847377.25	0.00112	0.000227	7.85E-08	2.37E-07	1.87E-07	1.62E-07	7.29E-08	2.62E-09	6.33E-08	4.45E-08	3.85E-08	1.15E-08	1.60E-07
474363.09, 3847377.25	0.00126	0.000255	8.83E-08	2.67E-07	2.11E-07	1.82E-07	8.20E-08	2.95E-09	7.13E-08	5.01E-08	4.33E-08	1.29E-08	1.81E-07
474863.09, 3847377.25	0.00123	0.000249	8.62E-08	2.60E-07	2.06E-07	1.78E-07	8.00E-08	2.88E-09	6.96E-08	4.89E-08	4.23E-08	1.26E-08	1.76E-07
475363.09, 3847377.25	0.00117	0.000237	8.20E-08	2.48E-07	1.96E-07	1.69E-07	7.61E-08	2.74E-09	6.62E-08	4.65E-08	4.02E-08	1.20E-08	1.68E-07
475863.09, 3847377.25	0.00123	0.000249	8.62E-08	2.60E-07	2.06E-07	1.78E-07	8.00E-08	2.88E-09	6.96E-08	4.89E-08	4.23E-08	1.26E-08	1.76E-07
476363.09, 3847377.25	0.00132	0.000267	9.26E-08	2.79E-07	2.21E-07	1.91E-07	8.59E-08	3.09E-09	7.47E-08	5.24E-08	4.54E-08	1.35E-08	1.89E-07
476863.09, 3847377.25	0.00124	0.000251	8.69E-08	2.63E-07	2.07E-07	1.79E-07	8.07E-08	2.90E-09	7.01E-08	4.93E-08	4.26E-08	1.27E-08	1.78E-07
477363.09, 3847377.25	0.00123	0.000249	8.62E-08	2.60E-07	2.06E-07	1.78E-07	8.00E-08	2.88E-09	6.96E-08	4.89E-08	4.23E-08	1.26E-08	1.76E-07
477863.09, 3847377.25	0.00122	0.000247	8.55E-08	2.58E-07	2.04E-07	1.77E-07	7.94E-08	2.86E-09	6.90E-08	4.85E-08	4.19E-08	1.25E-08	1.75E-07
478363.09, 3847377.25	0.00123	0.000249	8.62E-08	2.60E-07	2.06E-07	1.78E-07	8.00E-08	2.88E-09	6.96E-08	4.89E-08	4.23E-08	1.26E-08	1.76E-07
478863.09, 3847377.25	0.00122	0.000247	8.55E-08	2.58E-07	2.04E-07	1.77E-07	7.94E-08	2.86E-09	6.90E-08	4.85E-08	4.19E-08	1.25E-08	1.75E-07
479363.09, 3847377.25	0.0011	0.000223	7.71E-08	2.33E-07	1.84E-07	1.59E-07	7.16E-08	2.58E-09	6.22E-08	4.37E-08	3.78E-08	1.13E-08	1.58E-07
479863.09, 3847377.25	0.001	0.000203	7.01E-08	2.12E-07	1.67E-07	1.45E-07	6.51E-08	2.34E-09	5.66E-08	3.97E-08	3.44E-08	1.03E-08	1.43E-07
480363.09, 3847377.25	0.00092	0.000186	6.45E-08	1.95E-07	1.54E-07	1.33E-07	5.99E-08	2.15E-09	5.20E-08	3.66E-08	3.16E-08	9.44E-09	1.32E-07
480863.09, 3847377.25	0.00089	0.00018	6.24E-08	1.88E-07	1.49E-07	1.29E-07	5.79E-08	2.08E-09	5.03E-08	3.54E-08	3.06E-08	9.13E-09	1.28E-07
481363.09, 3847377.25	0.00088	0.000178	6.17E-08	1.86E-07	1.47E-07	1.27E-07	5.73E-08	2.06E-09	4.98E-08	3.50E-08	3.03E-08	9.03E-09	1.26E-07
481863.09, 3847377.25	0.00089	0.00018	6.24E-08	1.88E-07	1.49E-07	1.29E-07	5.79E-08	2.08E-09	5.03E-08	3.54E-08	3.06E-08	9.13E-09	1.28E-07
482363.09, 3847377.25	0.00083	0.000168	5.82E-08	1.76E-07	1.39E-07	1.20E-07	5.40E-08	1.94E-09	4.69E-08	3.30E-08	2.85E-08	8.52E-09	1.19E-07
482863.09, 3847377.25	0.00078	0.000158	5.47E-08	1.65E-07	1.30E-07	1.13E-07	5.08E-08	1.83E-09	4.41E-08	3.10E-08	2.68E-08	8.01E-09	1.12E-07
483363.09, 3847377.25	0.00076	0.000154	5.33E-08	1.61E-07	1.27E-07	1.10E-07	4.95E-08	1.78E-09	4.30E-08	3.02E-08	2.61E-08	7.80E-09	1.09E-07
483863.09, 3847377.25	0.00076	0.000154	5.33E-08	1.61E-07	1.27E-07	1.10E-07	4.95E-08	1.78E-09	4.30E-08	3.02E-08	2.61E-08	7.80E-09	1.09E-07
484363.09, 3847377.25	0.00075	0.000152	5.26E-08	1.59E-07	1.25E-07	1.09E-07	4.88E-08	1.76E-09	4.24E-08	2.98E-08	2.58E-08	7.70E-09	1.07E-07
484863.09, 3847377.25	0.0007	0.000142	4.91E-08	1.48E-07	1.17E-07	1.01E-07	4.55E-08	1.64E-09	3.96E-08	2.78E-08	2.41E-08	7.18E-09	1.00E-07
485363.09, 3847377.25	0.00068	0.000138	4.77E-08	1.44E-07	1.14E-07	9.84E-08	4.42E-08	1.59E-09	3.85E-08	2.70E-08	2.34E-08	6.98E-09	9.74E-08
485863.09, 3847377.25	0.00068	0.000138	4.77E-08	1.44E-07	1.14E-07	9.84E-08	4.42E-08	1.59E-09	3.85E-08	2.70E-08	2.34E-08	6.98E-09	9.74E-08
486363.09, 3847377.25	0.00069	0.00014	4.84E-08	1.46E-07	1.15E-07	9.98E-08	4.49E-08	1.62E-09	3.90E-08	2.74E-08	2.37E-08	7.08E-09	9.89E-08
486863.09, 3847377.25	0.00065	0.000132	4.56E-08	1.38E-07	1.09E-07	9.41E-08	4.23E-08	1.52E-09	3.68E-08	2.58E-08	2.23E-08	6.67E-09	9.31E-08
487363.09, 3847377.25	0.00063	0.000128	4.42E-08	1.33E-07	1.05E-07	9.12E-08	4.10E-08	1.48E-09	3.56E-08	2.50E-08	2.17E-08	6.47E-09	9.03E-08
487863.09, 3847377.25	0.00061	0.000124	4.28E-08	1.29E-07	1.02E-07	8.83E-08	3.97E-08	1.43E-09	3.45E-08	2.42E-08	2.10E-08	6.26E-09	8.74E-08
488363.09, 3847377.25	0.0006	0.000122	4.21E-08	1.27E-07	1.00E-07	8.68E-08	3.90E-08	1.40E-09	3.39E-08	2.38E-08	2.06E-08	6.16E-09	8.60E-08
488863.09, 3847377.25	0.0006	0.000122	4.21E-08	1.27E-07	1.00E-07	8.68E-08	3.90E-08	1.40E-09	3.39E-08	2.38E-08	2.06E-08	6.16E-09	8.60E-08
489363.09, 3847377.25	0.00059	0.00012	4.14E-08	1.25E-07	9.87E-08	8.54E-08	3.84E-08	1.38E-09	3.34E-08	2.34E-08	2.03E-08	6.06E-09	8.45E-08
489863.09, 3847377.25	0.00059	0.00012	4.14E-08	1.25E-07	9.87E-08	8.54E-08	3.84E-08	1.38E-09	3.34E-08	2.34E-08	2.03E-08	6.06E-09	8.45E-08
490363.09, 3847377.25	0.00057	0.000115	4.00E-08	1.21E-07	9.53E-08	8.25E-08	3.71E-08	1.33E-09	3.22E-08	2.26E-08	1.96E-08	5.85E-09	8.17E-08

490863.09, 3847377.25	0.00055	0.000111	3.86E-08	1.16E-07	9.20E-08	7.96E-08	3.58E-08	1.29E-09	3.11E-08	2.19E-08	1.89E-08	5.64E-09	7.88E-08
491363.09, 3847377.25	0.00051	0.000103	3.58E-08	1.08E-07	8.53E-08	7.38E-08	3.32E-08	1.19E-09	2.88E-08	2.03E-08	1.75E-08	5.23E-09	7.31E-08
491863.09, 3847377.25	0.00049	9.93E-05	3.44E-08	1.04E-07	8.19E-08	7.09E-08	3.19E-08	1.15E-09	2.77E-08	1.95E-08	1.68E-08	5.03E-09	7.02E-08
492363.09, 3847377.25	0.00048	9.72E-05	3.37E-08	1.02E-07	8.03E-08	6.95E-08	3.12E-08	1.12E-09	2.71E-08	1.91E-08	1.65E-08	4.93E-09	6.88E-08
492863.09, 3847377.25	0.00049	9.93E-05	3.44E-08	1.04E-07	8.19E-08	7.09E-08	3.19E-08	1.15E-09	2.77E-08	1.95E-08	1.68E-08	5.03E-09	7.02E-08
493363.09, 3847377.25	0.00049	9.93E-05	3.44E-08	1.04E-07	8.19E-08	7.09E-08	3.19E-08	1.15E-09	2.77E-08	1.95E-08	1.68E-08	5.03E-09	7.02E-08
493863.09, 3847377.25	0.00047	9.52E-05	3.30E-08	9.95E-08	7.86E-08	6.80E-08	3.06E-08	1.10E-09	2.66E-08	1.87E-08	1.62E-08	4.82E-09	6.73E-08
494363.09, 3847377.25	0.00043	8.71E-05	3.02E-08	9.10E-08	7.19E-08	6.22E-08	2.80E-08	1.01E-09	2.43E-08	1.71E-08	1.48E-08	4.41E-09	6.16E-08
494863.09, 3847377.25	0.00041	8.3E-05	2.87E-08	8.68E-08	6.86E-08	5.93E-08	2.67E-08	9.60E-10	2.32E-08	1.63E-08	1.41E-08	4.21E-09	5.87E-08
495363.09, 3847377.25	0.00042	8.51E-05	2.94E-08	8.89E-08	7.02E-08	6.08E-08	2.73E-08	9.83E-10	2.38E-08	1.67E-08	1.44E-08	4.31E-09	6.02E-08
495863.09, 3847377.25	0.00042	8.51E-05	2.94E-08	8.89E-08	7.02E-08	6.08E-08	2.73E-08	9.83E-10	2.38E-08	1.67E-08	1.44E-08	4.31E-09	6.02E-08
496363.09, 3847377.25	0.0004	8.1E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
496863.09, 3847377.25	0.00039	7.9E-05	2.73E-08	8.26E-08	6.52E-08	5.64E-08	2.54E-08	9.13E-10	2.21E-08	1.55E-08	1.34E-08	4.00E-09	5.59E-08
497363.09, 3847377.25	0.00041	8.3E-05	2.87E-08	8.68E-08	6.86E-08	5.93E-08	2.67E-08	9.60E-10	2.32E-08	1.63E-08	1.41E-08	4.21E-09	5.87E-08
497863.09, 3847377.25	0.00043	8.71E-05	3.02E-08	9.10E-08	7.19E-08	6.22E-08	2.80E-08	1.01E-09	2.43E-08	1.71E-08	1.48E-08	4.41E-09	6.16E-08
498363.09, 3847377.25	0.00045	9.11E-05	3.16E-08	9.53E-08	7.53E-08	6.51E-08	2.93E-08	1.05E-09	2.55E-08	1.79E-08	1.55E-08	4.62E-09	6.45E-08
471363.09, 3847877.25	0.00149	0.000302	1.04E-07	3.15E-07	2.49E-07	2.16E-07	9.69E-08	3.49E-09	8.43E-08	5.92E-08	5.12E-08	1.53E-08	2.13E-07
471863.09, 3847877.25	0.00146	0.000296	1.02E-07	3.09E-07	2.44E-07	2.11E-07	9.50E-08	3.42E-09	8.26E-08	5.80E-08	5.02E-08	1.50E-08	2.09E-07
472363.09, 3847877.25	0.00138	0.00028	9.68E-08	2.92E-07	2.31E-07	2.00E-07	8.98E-08	3.23E-09	7.80E-08	5.48E-08	4.74E-08	1.42E-08	1.98E-07
472863.09, 3847877.25	0.00136	0.000275	9.54E-08	2.88E-07	2.27E-07	1.97E-07	8.85E-08	3.18E-09	7.69E-08	5.40E-08	4.68E-08	1.40E-08	1.95E-07
473363.09, 3847877.25	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
473863.09, 3847877.25	0.00129	0.000261	9.05E-08	2.73E-07	2.16E-07	1.87E-07	8.39E-08	3.02E-09	7.30E-08	5.13E-08	4.44E-08	1.32E-08	1.85E-07
474363.09, 3847877.25	0.00117	0.000237	8.20E-08	2.48E-07	1.96E-07	1.69E-07	7.61E-08	2.74E-09	6.62E-08	4.65E-08	4.02E-08	1.20E-08	1.68E-07
474863.09, 3847877.25	0.00135	0.000273	9.47E-08	2.86E-07	2.26E-07	1.95E-07	8.78E-08	3.16E-09	7.64E-08	5.36E-08	4.64E-08	1.39E-08	1.93E-07
475363.09, 3847877.25	0.00132	0.000267	9.26E-08	2.79E-07	2.21E-07	1.91E-07	8.59E-08	3.09E-09	7.47E-08	5.24E-08	4.54E-08	1.35E-08	1.89E-07
475863.09, 3847877.25	0.00126	0.000255	8.83E-08	2.67E-07	2.11E-07	1.82E-07	8.20E-08	2.95E-09	7.13E-08	5.01E-08	4.33E-08	1.29E-08	1.81E-07
476363.09, 3847877.25	0.00142	0.000288	9.96E-08	3.01E-07	2.37E-07	2.05E-07	9.24E-08	3.32E-09	8.03E-08	5.64E-08	4.88E-08	1.46E-08	2.03E-07
476863.09, 3847877.25	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
477363.09, 3847877.25	0.00138	0.00028	9.68E-08	2.92E-07	2.31E-07	2.00E-07	8.98E-08	3.23E-09	7.80E-08	5.48E-08	4.74E-08	1.42E-08	1.98E-07
477863.09, 3847877.25	0.00134	0.000271	9.40E-08	2.84E-07	2.24E-07	1.94E-07	8.72E-08	3.14E-09	7.58E-08	5.32E-08	4.61E-08	1.38E-08	1.92E-07
478363.09, 3847877.25	0.00131	0.000265	9.19E-08	2.77E-07	2.19E-07	1.90E-07	8.52E-08	3.07E-09	7.41E-08	5.21E-08	4.50E-08	1.34E-08	1.88E-07
478863.09, 3847877.25	0.00127	0.000257	8.90E-08	2.69E-07	2.12E-07	1.84E-07	8.26E-08	2.97E-09	7.18E-08	5.05E-08	4.37E-08	1.30E-08	1.82E-07
479363.09, 3847877.25	0.00107	0.000217	7.50E-08	2.27E-07	1.79E-07	1.55E-07	6.96E-08	2.51E-09	6.05E-08	4.25E-08	3.68E-08	1.10E-08	1.53E-07
479863.09, 3847877.25	0.00091	0.000184	6.38E-08	1.93E-07	1.52E-07	1.32E-07	5.92E-08	2.13E-09	5.15E-08	3.62E-08	3.13E-08	9.34E-09	1.30E-07
480363.09, 3847877.25	0.00096	0.000194	6.73E-08	2.03E-07	1.61E-07	1.39E-07	6.25E-08	2.25E-09	5.43E-08	3.81E-08	3.30E-08	9.85E-09	1.38E-07
480863.09, 3847877.25	0.00095	0.000192	6.66E-08	2.01E-07	1.59E-07	1.37E-07	6.18E-08	2.22E-09	5.37E-08	3.77E-08	3.27E-08	9.75E-09	1.36E-07
481363.09, 3847877.25	0.00095	0.000192	6.66E-08	2.01E-07	1.59E-07	1.37E-07	6.18E-08	2.22E-09	5.37E-08	3.77E-08	3.27E-08	9.75E-09	1.36E-07
481863.09, 3847877.25	0.001	0.000203	7.01E-08	2.12E-07	1.67E-07	1.45E-07	6.51E-08	2.34E-09	5.66E-08	3.97E-08	3.44E-08	1.03E-08	1.43E-07
482363.09, 3847877.25	0.00093	0.000188	6.52E-08	1.97E-07	1.56E-07	1.35E-07	6.05E-08	2.18E-09	5.26E-08	3.70E-08	3.20E-08	9.54E-09	1.33E-07
482863.09, 3847877.25	0.00086	0.000174	6.03E-08	1.82E-07	1.44E-07	1.24E-07	5.60E-08	2.01E-09	4.86E-08	3.42E-08	2.96E-08	8.83E-09	1.23E-07
483363.09, 3847877.25	0.00082	0.000166	5.75E-08	1.74E-07	1.37E-07	1.19E-07	5.34E-08	1.92E-09	4.64E-08	3.26E-08	2.82E-08	8.42E-09	1.17E-07
483863.09, 3847877.25	0.00081	0.000164	5.68E-08	1.71E-07	1.35E-07	1.17E-07	5.27E-08	1.90E-09	4.58E-08	3.22E-08	2.78E-08	8.31E-09	1.16E-07
484363.09, 3847877.25	0.00082	0.000166	5.75E-08	1.74E-07	1.37E-07	1.19E-07	5.34E-08	1.92E-09	4.64E-08	3.26E-08	2.82E-08	8.42E-09	1.17E-07
484863.09, 3847877.25	0.00079	0.00016	5.54E-08	1.67E-07	1.32E-07	1.14E-07	5.14E-08	1.85E-09	4.47E-08	3.14E-08	2.72E-08	8.11E-09	1.13E-07
485363.09, 3847877.25	0.00074	0.00015	5.19E-08	1.57E-07	1.24E-07	1.07E-07	4.81E-08	1.73E-09	4.19E-08	2.94E-08	2.54E-08	7.59E-09	1.06E-07
485863.09, 3847877.25	0.00072	0.000146	5.05E-08	1.52E-07	1.20E-07	1.04E-07	4.68E-08	1.69E-09	4.07E-08	2.86E-08	2.48E-08	7.39E-09	1.03E-07
486363.09, 3847877.25	0.00072	0.000146	5.05E-08	1.52E-07	1.20E-07	1.04E-07	4.68E-08	1.69E-09	4.07E-08	2.86E-08	2.48E-08	7.39E-09	1.03E-07
486863.09, 3847877.25	0.00071	0.000144	4.98E-08	1.50E-07	1.19E-07	1.03E-07	4.62E-08	1.66E-09	4.02E-08	2.82E-08	2.44E-08	7.29E-09	1.02E-07
487363.09, 3847877.25	0.00068	0.000138	4.77E-08	1.44E-07	1.14E-07	9.84E-08	4.42E-08	1.59E-09	3.85E-08	2.70E-08	2.34E-08	6.98E-09	9.74E-08
487863.09, 3847877.25	0.00065	0.000132	4.56E-08	1.38E-07	1.09E-07	9.41E-08	4.23E-08	1.52E-09	3.68E-08	2.58E-08	2.23E-08	6.67E-09	9.31E-08
488363.09, 3847877.25	0.00064	0.00013	4.49E-08	1.35E-07	1.07E-07	9.26E-08	4.16E-08	1.50E-09	3.62E-08	2.54E-08	2.20E-08	6.57E-09	9.17E-08
488863.09, 3847877.25	0.00063	0.000128	4.42E-08	1.33E-07	1.05E-07	9.12E-08	4.10E-08	1.48E-09	3.56E-08	2.50E-08	2.17E-08	6.47E-09	9.03E-08
489363.09, 3847877.25	0.00063	0.000128	4.42E-08	1.33E-07	1.05E-07	9.12E-08	4.10E-08	1.48E-09	3.56E-08	2.50E-08	2.17E-08	6.47E-09	9.03E-08
489863.09, 3847877.25	0.00065	0.000132	4.56E-08	1.38E-07	1.09E-07	9.41E-08	4.23E-08	1.52E-09	3.68E-08	2.58E-08	2.23E-08	6.67E-09	9.31E-08
490363.09, 3847877.25	0.00065	0.000132	4.56E-08	1.38E-07	1.09E-07	9.41E-08	4.23E-08	1.52E-09	3.68E-08	2.58E-08	2.23E-08	6.67E-09	9.31E-08
490863.09, 3847877.25	0.00063	0.000128	4.42E-08	1.33E-07	1.05E-07	9.12E-08	4.10E-08	1.48E-09	3.56E-08	2.50E-08	2.17E-08	6.47E-09	9.03E-08
491363.09, 3847877.25	0.00057	0.000115	4.00E-08	1.21E-07	9.53E-08	8.25E-08	3.71E-08	1.33E-09	3.22E-08	2.26E-08	1.96E-08	5.85E-09	8.17E-08
491863.09, 3847877.25	0.00053	0.000107	3.72E-08	1.12E-07	8.86E-08	7.67E-08	3.45E-08	1.24E-09	3.00E-08	2.11E-08	1.82E-08	5.44E-09	7.59E-08
492363.09, 3847877.25	0.00052	0.000105	3.65E-08	1.10E-07	8.70E-08	7.52E-08	3.38E-08	1.22E-09	2.94E-08	2.07E-08	1.79E-08	5.34E-09	7.45E-08
492863.09, 3847877.25	0.00052	0.000105	3.65E-08	1.10E-07	8.70E-08	7.52E-08	3.38E-08	1.22E-09	2.94E-08	2.07E-08	1.79E-08	5.34E-09	7.45E-08
493363.09, 3847877.25	0.0005	0.000101	3.51E-08	1.06E-07	8.36E-08	7.24E-08	3.25E-08	1.17E-09	2.83E-08	1.99E-08	1.72E-08	5.13E-09	7.16E-08
493863.09, 3847877.25	0.00048	9.72E-05	3.37E-08	1.02E-07	8.03E-08	6.95E-08	3.12E-08	1.12E-09	2.71E-08	1.91E-08	1.65E-08	4.93E-09	6.88E-08
494363.09, 3847877.25	0.00044	8.91E-05	3.09E-08	9.32E-08	7.36E-08	6.37E-08	2.86E-08	1.03E-09	2.49E-08	1.75E-08	1.51E-08	4.52E-09	6.30E-08
494863.09, 3847877.25	0.00042	8.51E-05	2.94E-08	8.89E-08	7.02E-08	6.08E-08	2.73E-08	9.83E-10	2.38E-08	1.67E-08	1.44E-08	4.31E-09	6.02E-08
495363.09, 3847877.25	0.00042	8.51E-05	2.94E-08	8.89E-08	7.02E-08	6.08E-08	2.73E-08	9.83E-10	2.38E-08	1.67E-08	1.44E-08	4.31E-09	6.02E-08
495863.09, 3847877.25	0.00038	7.7E-05	2.66E-08	8.04E-08	6.35E-08	5.50E-08	2.47E-08	8.90E-10	2.15E-08	1.51E-08	1.31E-08	3.90E-09	5.44E-08
496363.09, 3847877.25	0.0004	8.1E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
496863.09, 3847877.25	0.0004	8.1E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
497363.09, 3847877.25	0.00041	8.3E-05	2.87E-08	8.68E-08	6.86E-08	5.93E-08	2.67E-08	9.60E-10	2.32E-08	1.63E-08	1.41E-08	4.21E-09	5.87E-08
497863.09, 3847877.25	0.00045	9.11E-05	3.16E-08	9.53E-08	7.53E-08	6.51E-08	2.93E-08	1.05E-09	2.55E-08	1.79E-08	1.55E-08	4.62E-09	6.45E-08
498363.09, 3847877.25	0.00047	9.52E-05	3.30E-08	9.95E-08	7.86E-08	6.80E-08	3.06E-08	1.10E-09	2.66E-08	1.87E-08	1.62E-08	4.82E-09	6.73E-08
471363.09, 3848377.25	0.00157	0.000318	1.10E-07	3.32E-07	2.63E-07	2.27E-07	1.02E-07	3.68E-09	8.88E-08	6.24E-08	5.40E-08	1.61E-08	2.25E-07
471863.09, 3848377.25	0.00162	0.000328	1.14E-07	3.43E-07	2.71E-07	2.34E-07	1.05E-07	3.79E-09	9.16E-08	6.44E-08	5.57E-08	1.66E-08	2.32E-07
472363.09, 3848377.25	0.00159	0.000322	1.11E-07	3.37E-07	2.66E-07	2.30E-07	1.03E-07	3.72E-09	8.99E-08	6.32E-08	5.47E-08	1.63E-08	2.28E-07
472863.09, 3848377.25	0.00154	0.000312	1.08E-07	3.26E-07	2.58E-07	2.23E-07	1.00E-07	3.61E-09	8.71E-08	6.12E-08	5.29E-08	1.58E-08	2.21E-07
473363.09, 3848377.25	0.00146	0.000296	1.02E-07	3.09E-07	2.44E-07	2.11E-07	9.50E-08	3.42E-09	8.26E-08	5.80E-08	5.02E-08	1.50E-08	2.09E-07
473863.09, 3848377.25	0.00149	0.000302	1.04E-07	3.15E-07	2.49E-07	2.16E-07	9.69E-08	3.49E-09	8.43E-08	5.92E-08	5.12E-08	1.53E-08	2.13E-07
474363.09, 3848377.25	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
474863.09, 3848377.25	0.00125	0.000253	8.76E-08	2.65E-07	2.09E-07	1.81E-07	8.13E-08	2.93E-09	7.07E-08	4.97E-08	4.30E-08	1.28E-08	1.79E-07
475363.09, 3848377.25	0.00153	0.00031	1.07E-07	3.24E-07	2.56E-07	2.21E-07	9.96E-08	3.58E-09	8.65E-08	6.08E-08	5.26E-08	1.57E-08	2.19E-07
475863.09, 3848377.25	0.00147	0.000298	1.03E-07	3.11E-07	2.46E-07	2.13E-07	9.56E-08	3.44E-09	8.31E-08	5.84E-08	5.05E-08	1.51E-08	2.11E-07
476363.09, 3848377.25	0.00136	0.000275	9.54E-08	2.88E-07	2.27E-07	1.97E-07	8.85E-08	3.18E-09	7.69E-08	5.40E-08	4.68E-08	1.40E-08	1.95E-07
476863.09, 3848377.25	0.00164	0.000332	1.15E-07	3.47E-07	2.74E-07	2.37E-07	1.07E-07	3.84E-09	9.28E-08	6.52E-08	5.64E-08	1.68E-08	2.35E-07
477363.09, 3848377.25	0.00153	0.00031	1.07E-07	3.24E-07	2.56E-07	2.21E-07	9.96E-08	3.58E-09	8.65E-08	6.08E-08	5.26E-08	1.57E-08	2.19E-07
477863.09, 3848377.25	0.0015	0.000304	1.05E-07	3.18E-07	2.51E-07	2.17E-07	9.76E-08	3.51E-09	8.48E-08	5.96E-08	5.16E-08	1.54E-08	2.15E-07
478363.09, 3848377.25	0.00142	0.000288	9.96E-08	3.01E-07	2.37E-07	2.05E-07	9.24E-08	3.32E-09	8.03E-08	5.64E-08	4.88E-08	1.46E-08	2.03E-07
478863.09, 3848377.25	0.00129	0.000261	9.05E-08	2.73E-07	2.16E-07	1.87E-07	8.39E-08	3.02E-09	7.30E-08	5.13E-08	4.44E-08	1.32E-08	1.85E-07
479363.09, 3848377.25	0.00112	0.000227	7.85E-08	2.37E-07	1.87E-07	1.62E-07	7.29E-08	2.62E-09	6.33E-08	4.45E-08	3.85E-08	1.15E-08	1.60E-07
479863.09, 3848377.25	0.00082	0.000166	5.75E-08	1.74E-07	1.37E-07	1.19E-07	5.34E-08	1.92E-09	4.64E-08	3.26E-08	2.82E-08	8.42E-09	1.17E-07
480363.09, 3848377.25	0.00093	0.000188	6.52E-08	1.97E-07	1.56E-07	1.35E-07	6.05E-08	2.18E-09	5.26E-08	3.70E-08	3.20E-08	9.54E-09	1.33E-07
480863.09, 3848377.25	0.00108	0.000219	7.57E-08	2.29E-07	1.81E-07	1.56E-07	7.03E-08	2.53E-09	6.11E-08	4.29E-08	3.71E-08	1.11E-08	1.55E-07
481363.09, 3848377.25	0.00112	0.000227	7.85E-08	2.37E-07	1.87E-07	1.62E-07	7.29E-08	2.62E-09	6.33E-08	4.45E-08	3.85E-08	1.15E-08	1.60E-07
481863.09, 3848377.25	0.00112	0.000227	7.85E-08	2.37E-07	1.87E-07	1.62E-07	7.29E-08	2.62E-09	6.33E-08	4.45E-08	3.85E-08	1.15E-08	1.60E-07
482363.09, 3848377.25	0.00108	0.000219	7.57E-08	2.29E-07	1.81E-07	1.56E-07	7.03E-08	2.53E-09	6.11E-08	4.29E-08	3.71E-08	1.11E-08	1.55E-07
482863.09, 3848377.25	0.00097	0.000196	6.80E-08	2.05E-07	1.62E-07	1.40E-07	6.31E-08	2.27E-09	5.49E-08	3.85E-08	3.33E-08	9.96E-09	1.39E-07
483363.09, 3848377.25	0.00091	0.000184	6.38E-08	1.93E-07	1.52E-07	1.32E-07	5.92E-08	2.13E-09	5.15E-08	3.62E-08	3.13E-08	9.34E-09	1.30E-07
483863.09, 3848377.25	0.00086	0.000174	6.03E-08	1.82E-07	1.44E-07	1.24E-07	5.60E-08	2.01E-09	4.86E-08	3.42E-08	2.96E-08	8.83E-09	1.23E-07
484363.09, 3848377.25	0.00086	0.000174	6.03E-08	1.82E-07	1.44E-07	1.24E-07	5.60E-08	2.01E-09	4.86E-08	3.42E-08	2.96E-08	8.83E-09	1.23E-07
484863.09, 3848377.25	0.00088	0.000178	6.17E-08	1.86E-07	1.47E-07	1.27E-07	5.73E-08	2.06E-09	4.98E-08	3.50E-08	3.03E-08	9.03E-09	1.26E-07

485363.09, 3848377.25	0.00083	0.000168	5.82E-08	1.76E-07	1.39E-07	1.20E-07	5.40E-08	1.94E-09	4.69E-08	3.30E-08	2.85E-08	8.52E-09	1.19E-07
485863.09, 3848377.25	0.00078	0.000158	5.47E-08	1.65E-07	1.30E-07	1.13E-07	5.08E-08	1.83E-09	4.41E-08	3.10E-08	2.68E-08	8.01E-09	1.12E-07
486363.09, 3848377.25	0.00076	0.000154	5.33E-08	1.61E-07	1.27E-07	1.10E-07	4.95E-08	1.78E-09	4.30E-08	3.02E-08	2.61E-08	7.80E-09	1.09E-07
486863.09, 3848377.25	0.00075	0.000152	5.26E-08	1.59E-07	1.25E-07	1.09E-07	4.88E-08	1.76E-09	4.24E-08	2.98E-08	2.58E-08	7.70E-09	1.07E-07
487363.09, 3848377.25	0.00073	0.000148	5.12E-08	1.55E-07	1.22E-07	1.06E-07	4.75E-08	1.71E-09	4.13E-08	2.90E-08	2.51E-08	7.49E-09	1.05E-07
487863.09, 3848377.25	0.0007	0.000142	4.91E-08	1.48E-07	1.17E-07	1.01E-07	4.55E-08	1.64E-09	3.96E-08	2.78E-08	2.41E-08	7.18E-09	1.00E-07
488363.09, 3848377.25	0.00069	0.00014	4.84E-08	1.46E-07	1.15E-07	9.98E-08	4.49E-08	1.62E-09	3.90E-08	2.74E-08	2.37E-08	7.08E-09	9.89E-08
488863.09, 3848377.25	0.00068	0.000138	4.77E-08	1.44E-07	1.14E-07	9.84E-08	4.42E-08	1.59E-09	3.85E-08	2.70E-08	2.34E-08	6.98E-09	9.74E-08
489363.09, 3848377.25	0.00068	0.000138	4.77E-08	1.44E-07	1.14E-07	9.84E-08	4.42E-08	1.59E-09	3.85E-08	2.70E-08	2.34E-08	6.98E-09	9.74E-08
489863.09, 3848377.25	0.00069	0.00014	4.84E-08	1.46E-07	1.15E-07	9.98E-08	4.49E-08	1.62E-09	3.90E-08	2.74E-08	2.37E-08	7.08E-09	9.89E-08
490363.09, 3848377.25	0.0007	0.000142	4.91E-08	1.48E-07	1.17E-07	1.01E-07	4.55E-08	1.64E-09	3.96E-08	2.78E-08	2.41E-08	7.18E-09	1.00E-07
490863.09, 3848377.25	0.00068	0.000138	4.77E-08	1.44E-07	1.14E-07	9.84E-08	4.42E-08	1.59E-09	3.85E-08	2.70E-08	2.34E-08	6.98E-09	9.74E-08
491363.09, 3848377.25	0.00063	0.000128	4.42E-08	1.33E-07	1.05E-07	9.12E-08	4.10E-08	1.48E-09	3.56E-08	2.50E-08	2.17E-08	6.47E-09	9.03E-08
491863.09, 3848377.25	0.00058	0.000117	4.07E-08	1.23E-07	9.70E-08	8.39E-08	3.77E-08	1.36E-09	3.28E-08	2.30E-08	1.99E-08	5.95E-09	8.31E-08
492363.09, 3848377.25	0.00054	0.000109	3.79E-08	1.14E-07	9.03E-08	7.81E-08	3.51E-08	1.26E-09	3.05E-08	2.15E-08	1.86E-08	5.54E-09	7.74E-08
492863.09, 3848377.25	0.00052	0.000105	3.65E-08	1.10E-07	8.70E-08	7.52E-08	3.38E-08	1.22E-09	2.94E-08	2.07E-08	1.79E-08	5.34E-09	7.45E-08
493363.09, 3848377.25	0.00051	0.000103	3.58E-08	1.08E-07	8.53E-08	7.38E-08	3.32E-08	1.19E-09	2.88E-08	2.03E-08	1.75E-08	5.23E-09	7.31E-08
493863.09, 3848377.25	0.00048	9.72E-05	3.37E-08	1.02E-07	8.03E-08	6.95E-08	3.12E-08	1.12E-09	2.71E-08	1.91E-08	1.65E-08	4.93E-09	6.88E-08
494363.09, 3848377.25	0.00044	8.91E-05	3.09E-08	9.32E-08	7.36E-08	6.37E-08	2.86E-08	1.03E-09	2.49E-08	1.75E-08	1.51E-08	4.52E-09	6.30E-08
494863.09, 3848377.25	0.00042	8.51E-05	2.94E-08	8.89E-08	7.02E-08	6.08E-08	2.73E-08	9.83E-10	2.38E-08	1.67E-08	1.44E-08	4.31E-09	6.02E-08
495363.09, 3848377.25	0.0004	8.1E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
495863.09, 3848377.25	0.0004	8.1E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
496363.09, 3848377.25	0.0004	8.1E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
496863.09, 3848377.25	0.00039	7.9E-05	2.73E-08	8.26E-08	6.52E-08	5.64E-08	2.54E-08	9.13E-10	2.21E-08	1.55E-08	1.34E-08	4.00E-09	5.59E-08
497363.09, 3848377.25	0.00041	8.3E-05	2.87E-08	8.68E-08	6.86E-08	5.93E-08	2.67E-08	9.60E-10	2.32E-08	1.63E-08	1.41E-08	4.21E-09	5.87E-08
497863.09, 3848377.25	0.00048	9.72E-05	3.37E-08	1.02E-07	8.03E-08	6.95E-08	3.12E-08	1.12E-09	2.71E-08	1.91E-08	1.65E-08	4.93E-09	6.88E-08
498363.09, 3848377.25	0.00048	9.72E-05	3.37E-08	1.02E-07	8.03E-08	6.95E-08	3.12E-08	1.12E-09	2.71E-08	1.91E-08	1.65E-08	4.93E-09	6.88E-08
471363.09, 3848877.25	0.00153	0.00031	1.07E-07	3.24E-07	2.56E-07	2.21E-07	9.96E-08	3.58E-09	8.65E-08	6.08E-08	5.26E-08	1.57E-08	2.19E-07
471863.09, 3848877.25	0.00165	0.000334	1.16E-07	3.49E-07	2.76E-07	2.39E-07	1.07E-07	3.86E-09	9.33E-08	6.56E-08	5.67E-08	1.69E-08	2.36E-07
472363.09, 3848877.25	0.00172	0.000348	1.21E-07	3.64E-07	2.88E-07	2.49E-07	1.12E-07	4.03E-09	9.73E-08	6.83E-08	5.91E-08	1.77E-08	2.46E-07
472863.09, 3848877.25	0.00176	0.000356	1.23E-07	3.73E-07	2.94E-07	2.55E-07	1.15E-07	4.12E-09	9.95E-08	6.99E-08	6.05E-08	1.81E-08	2.52E-07
473363.09, 3848877.25	0.00177	0.000359	1.24E-07	3.75E-07	2.96E-07	2.56E-07	1.15E-07	4.14E-09	1.00E-07	7.03E-08	6.09E-08	1.82E-08	2.54E-07
473863.09, 3848877.25	0.00165	0.000334	1.16E-07	3.49E-07	2.76E-07	2.39E-07	1.07E-07	3.86E-09	9.33E-08	6.56E-08	5.67E-08	1.69E-08	2.36E-07
474363.09, 3848877.25	0.00165	0.000334	1.16E-07	3.49E-07	2.76E-07	2.39E-07	1.07E-07	3.86E-09	9.33E-08	6.56E-08	5.67E-08	1.69E-08	2.36E-07
474863.09, 3848877.25	0.00139	0.000282	9.75E-08	2.94E-07	2.32E-07	2.01E-07	9.04E-08	3.25E-09	7.86E-08	5.52E-08	4.78E-08	1.43E-08	1.99E-07
475363.09, 3848877.25	0.00142	0.000288	9.96E-08	3.01E-07	2.37E-07	2.05E-07	9.24E-08	3.32E-09	8.03E-08	5.64E-08	4.88E-08	1.46E-08	2.03E-07
475863.09, 3848877.25	0.00165	0.000334	1.16E-07	3.49E-07	2.76E-07	2.39E-07	1.07E-07	3.86E-09	9.33E-08	6.56E-08	5.67E-08	1.69E-08	2.36E-07
476363.09, 3848877.25	0.00168	0.00034	1.18E-07	3.56E-07	2.81E-07	2.43E-07	1.09E-07	3.93E-09	9.50E-08	6.68E-08	5.78E-08	1.72E-08	2.41E-07
476863.09, 3848877.25	0.00157	0.000318	1.10E-07	3.32E-07	2.63E-07	2.27E-07	1.02E-07	3.68E-09	8.88E-08	6.24E-08	5.40E-08	1.61E-08	2.25E-07
477363.09, 3848877.25	0.00194	0.000393	1.36E-07	4.11E-07	3.24E-07	2.81E-07	1.26E-07	4.54E-09	1.10E-07	7.71E-08	6.67E-08	1.99E-08	2.78E-07
477863.09, 3848877.25	0.00173	0.00035	1.21E-07	3.66E-07	2.89E-07	2.50E-07	1.13E-07	4.05E-09	9.78E-08	6.87E-08	5.95E-08	1.78E-08	2.48E-07
478363.09, 3848877.25	0.00167	0.000338	1.17E-07	3.54E-07	2.79E-07	2.42E-07	1.09E-07	3.91E-09	9.44E-08	6.64E-08	5.74E-08	1.71E-08	2.39E-07
478863.09, 3848877.25	0.00146	0.000296	1.02E-07	3.09E-07	2.44E-07	2.11E-07	9.50E-08	3.42E-09	8.26E-08	5.80E-08	5.02E-08	1.50E-08	2.09E-07
479363.09, 3848877.25	0.0013	0.000263	9.12E-08	2.75E-07	2.17E-07	1.88E-07	8.46E-08	3.04E-09	7.35E-08	5.17E-08	4.47E-08	1.33E-08	1.86E-07
479863.09, 3848877.25	0.00118	0.000239	8.27E-08	2.50E-07	1.97E-07	1.71E-07	7.68E-08	2.76E-09	6.67E-08	4.69E-08	4.06E-08	1.21E-08	1.69E-07
480363.09, 3848877.25	0.00123	0.000249	8.62E-08	2.60E-07	2.06E-07	1.78E-07	8.00E-08	2.88E-09	6.96E-08	4.89E-08	4.23E-08	1.26E-08	1.76E-07
480863.09, 3848877.25	0.00128	0.000259	8.97E-08	2.71E-07	2.14E-07	1.85E-07	8.33E-08	3.00E-09	7.24E-08	5.09E-08	4.40E-08	1.31E-08	1.83E-07
481363.09, 3848877.25	0.00131	0.000265	9.19E-08	2.77E-07	2.19E-07	1.90E-07	8.52E-08	3.07E-09	7.41E-08	5.21E-08	4.50E-08	1.34E-08	1.88E-07
481863.09, 3848877.25	0.00123	0.000249	8.62E-08	2.60E-07	2.06E-07	1.78E-07	8.00E-08	2.88E-09	6.96E-08	4.89E-08	4.23E-08	1.26E-08	1.76E-07
482363.09, 3848877.25	0.00113	0.000229	7.92E-08	2.39E-07	1.89E-07	1.64E-07	7.35E-08	2.65E-09	6.39E-08	4.49E-08	3.89E-08	1.16E-08	1.62E-07
482863.09, 3848877.25	0.00104	0.000211	7.29E-08	2.20E-07	1.74E-07	1.50E-07	6.77E-08	2.44E-09	5.88E-08	4.13E-08	3.58E-08	1.07E-08	1.49E-07
483363.09, 3848877.25	0.00094	0.00019	6.59E-08	1.99E-07	1.57E-07	1.36E-07	6.12E-08	2.20E-09	5.32E-08	3.74E-08	3.23E-08	9.65E-09	1.35E-07
483863.09, 3848877.25	0.00088	0.000178	6.17E-08	1.86E-07	1.47E-07	1.27E-07	5.73E-08	2.06E-09	4.98E-08	3.50E-08	3.03E-08	9.03E-09	1.26E-07
484363.09, 3848877.25	0.00091	0.000184	6.38E-08	1.93E-07	1.52E-07	1.32E-07	5.92E-08	2.13E-09	5.15E-08	3.62E-08	3.13E-08	9.34E-09	1.30E-07
484863.09, 3848877.25	0.00095	0.000192	6.66E-08	2.01E-07	1.59E-07	1.37E-07	6.18E-08	2.22E-09	5.37E-08	3.77E-08	3.27E-08	9.75E-09	1.36E-07
485363.09, 3848877.25	0.00093	0.000188	6.52E-08	1.97E-07	1.56E-07	1.35E-07	6.05E-08	2.18E-09	5.26E-08	3.70E-08	3.20E-08	9.54E-09	1.33E-07
485863.09, 3848877.25	0.00087	0.000176	6.10E-08	1.84E-07	1.45E-07	1.26E-07	5.66E-08	2.04E-09	4.92E-08	3.46E-08	2.99E-08	8.93E-09	1.25E-07
486363.09, 3848877.25	0.00081	0.000164	5.68E-08	1.71E-07	1.35E-07	1.17E-07	5.27E-08	1.90E-09	4.58E-08	3.22E-08	2.78E-08	8.31E-09	1.16E-07
486863.09, 3848877.25	0.00079	0.00016	5.54E-08	1.67E-07	1.32E-07	1.14E-07	5.14E-08	1.85E-09	4.47E-08	3.14E-08	2.72E-08	8.11E-09	1.13E-07
487363.09, 3848877.25	0.00079	0.00016	5.54E-08	1.67E-07	1.32E-07	1.14E-07	5.14E-08	1.85E-09	4.47E-08	3.14E-08	2.72E-08	8.11E-09	1.13E-07
487863.09, 3848877.25	0.00076	0.000154	5.33E-08	1.61E-07	1.27E-07	1.10E-07	4.95E-08	1.78E-09	4.30E-08	3.02E-08	2.61E-08	7.80E-09	1.09E-07
488363.09, 3848877.25	0.00074	0.00015	5.19E-08	1.57E-07	1.24E-07	1.07E-07	4.81E-08	1.73E-09	4.19E-08	2.94E-08	2.54E-08	7.59E-09	1.06E-07
488863.09, 3848877.25	0.00073	0.000148	5.12E-08	1.55E-07	1.22E-07	1.06E-07	4.75E-08	1.71E-09	4.13E-08	2.90E-08	2.51E-08	7.49E-09	1.05E-07
489363.09, 3848877.25	0.00072	0.000146	5.05E-08	1.52E-07	1.20E-07	1.04E-07	4.68E-08	1.69E-09	4.07E-08	2.86E-08	2.48E-08	7.39E-09	1.03E-07
489863.09, 3848877.25	0.00072	0.000146	5.05E-08	1.52E-07	1.20E-07	1.04E-07	4.68E-08	1.69E-09	4.07E-08	2.86E-08	2.48E-08	7.39E-09	1.03E-07
490363.09, 3848877.25	0.00073	0.000148	5.12E-08	1.55E-07	1.22E-07	1.06E-07	4.75E-08	1.71E-09	4.13E-08	2.90E-08	2.51E-08	7.49E-09	1.05E-07
490863.09, 3848877.25	0.00072	0.000146	5.05E-08	1.52E-07	1.20E-07	1.04E-07	4.68E-08	1.69E-09	4.07E-08	2.86E-08	2.48E-08	7.39E-09	1.03E-07
491363.09, 3848877.25	0.00068	0.000138	4.77E-08	1.44E-07	1.14E-07	9.84E-08	4.42E-08	1.59E-09	3.85E-08	2.70E-08	2.34E-08	6.98E-09	9.74E-08
491863.09, 3848877.25	0.00061	0.000124	4.28E-08	1.29E-07	1.02E-07	8.83E-08	3.97E-08	1.43E-09	3.45E-08	2.42E-08	2.10E-08	6.26E-09	8.74E-08
492363.09, 3848877.25	0.00056	0.000113	3.93E-08	1.19E-07	9.36E-08	8.10E-08	3.64E-08	1.31E-09	3.17E-08	2.23E-08	1.93E-08	5.75E-09	8.02E-08
492863.09, 3848877.25	0.00052	0.000105	3.65E-08	1.10E-07	8.70E-08	7.52E-08	3.38E-08	1.22E-09	2.94E-08	2.07E-08	1.79E-08	5.34E-09	7.45E-08
493363.09, 3848877.25	0.00049	9.93E-05	3.44E-08	1.04E-07	8.19E-08	7.09E-08	3.19E-08	1.15E-09	2.77E-08	1.95E-08	1.68E-08	5.03E-09	7.02E-08
493863.09, 3848877.25	0.00048	9.72E-05	3.37E-08	1.02E-07	8.03E-08	6.95E-08	3.12E-08	1.12E-09	2.71E-08	1.91E-08	1.65E-08	4.93E-09	6.88E-08
494363.09, 3848877.25	0.00045	9.11E-05	3.16E-08	9.53E-08	7.53E-08	6.51E-08	2.93E-08	1.05E-09	2.55E-08	1.79E-08	1.55E-08	4.62E-09	6.45E-08
494863.09, 3848877.25	0.00043	8.71E-05	3.02E-08	9.10E-08	7.19E-08	6.22E-08	2.80E-08	1.01E-09	2.43E-08	1.71E-08	1.48E-08	4.41E-09	6.16E-08
495363.09, 3848877.25	0.00043	8.71E-05	3.02E-08	9.10E-08	7.19E-08	6.22E-08	2.80E-08	1.01E-09	2.43E-08	1.71E-08	1.48E-08	4.41E-09	6.16E-08
495863.09, 3848877.25	0.00041	8.3E-05	2.87E-08	8.68E-08	6.86E-08	5.93E-08	2.67E-08	9.60E-10	2.32E-08	1.63E-08	1.41E-08	4.21E-09	5.87E-08
496363.09, 3848877.25	0.0004	8.1E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
496863.09, 3848877.25	0.00042	8.51E-05	2.94E-08	8.89E-08	7.02E-08	6.08E-08	2.73E-08	9.83E-10	2.38E-08	1.67E-08	1.44E-08	4.31E-09	6.02E-08
497363.09, 3848877.25	0.00046	9.32E-05	3.23E-08	9.74E-08	7.69E-08	6.66E-08	2.99E-08	1.08E-09	2.60E-08	1.83E-08	1.58E-08	4.72E-09	6.59E-08
497863.09, 3848877.25	0.00049	9.93E-05	3.44E-08	1.04E-07	8.19E-08	7.09E-08	3.19E-08	1.15E-09	2.77E-08	1.95E-08	1.68E-08	5.03E-09	7.02E-08
498363.09, 3848877.25	0.0005	0.000101	3.51E-08	1.06E-07	8.36E-08	7.24E-08	3.25E-08	1.17E-09	2.83E-08	1.99E-08	1.72E-08	5.13E-09	7.16E-08
471363.09, 3849377.25	0.00129	0.000261	9.05E-08	2.73E-07	2.16E-07	1.87E-07	8.39E-08	3.02E-09	7.30E-08	5.13E-08	4.44E-08	1.32E-08	1.85E-07
471863.09, 3849377.25	0.00156	0.000316	1.09E-07	3.30E-07	2.61E-07	2.26E-07	1.02E-07	3.65E-09	8.82E-08	6.20E-08	5.36E-08	1.60E-08	2.24E-07
472363.09, 3849377.25	0.00171	0.000346	1.20E-07	3.62E-07	2.86E-07	2.47E-07	1.11E-07	4.00E-09	9.67E-08	6.79E-08	5.88E-08	1.75E-08	2.45E-07
472863.09, 3849377.25	0.00182	0.000369	1.28E-07	3.85E-07	3.04E-07	2.63E-07	1.18E-07	4.26E-09	1.03E-07	7.23E-08	6.26E-08	1.87E-08	2.61E-07
473363.09, 3849377.25	0.00189	0.000383	1.33E-07	4.00E-07	3.16E-07	2.73E-07	1.23E-07	4.43E-09	1.07E-07	7.51E-08	6.50E-08	1.94E-08	2.71E-07
473863.09, 3849377.25	0.00194	0.000393	1.36E-07	4.11E-07	3.24E-07	2.81E-07	1.26E-07	4.54E-09	1.10E-07	7.71E-08	6.67E-08	1.99E-08	2.78E-07
474363.09, 3849377.25	0.00189	0.000383	1.33E-07	4.00E-07	3.16E-07	2.73E-07	1.23E-07	4.43E-09	1.07E-07	7.51E-08	6.50E-08	1.94E-08	2.71E-07
474863.09, 3849377.25	0.00178	0.000361	1.25E-07	3.77E-07	2.98E-07	2.58E-07	1.16E-07	4.17E-09	1.01E-07	7.07E-08	6.12E-08	1.83E-08	2.55E-07
475363.09, 3849377.25	0.00171	0.000346	1.20E-07	3.62E-07	2.86E-07	2.47E-07	1.11E-07	4.00E-09	9.67E-08	6.79E-08	5.88E-08	1.75E-08	2.45E-07
475863.09, 3849377.25	0.00188	0.000381	1.32E-07	3.98E-07	3.14E-07	2.72E-07	1.22E-07	4.40E-09	1.06E-07	7.47E-08	6.46E-08	1.93E-08	2.69E-07
476363.09, 3849377.25	0.00203	0.000411	1.42E-07	4.30E-07	3.39E-07	2.94E-07	1.32E-07	4.75E-09	1.15E-07	8.07E-08	6.98E-08	2.08E-08	2.91E-07
476863.09, 3849377.25	0.00209	0.000423	1.47E-07	4.42E-07	3.50E-07	3.02E-07	1.36E-07	4.89E-09	1.18E-07	8.30E-08	7.19E-08	2.14E-08	2.99E-07
477363.09, 3849377.25	0.00208	0.000421	1.46E-07	4.40E-07	3.48E-07	3.01E-07	1.35E-07	4.87E-09	1.18E-07	8.26E-08	7.15E-08	2.13E-08	2.98E-07
477863.09, 3849377.25	0.00203	0.000411	1.42E-07	4.30E-07	3.39E-07	2.94E-07	1.32E-07	4.75E-09	1.15E-07	8.07E-08	6.98E-08	2.08E-08	2.91E-07
478363.09, 3849377.25	0.00195	0.000395	1.37E-07	4.13E-07	3.26E-07	2.82E-07	1.27E-07	4.57E-09	1.10E-07	7.75E-08	6.70E-08	2.00E-08	2.79E-07
478863.09, 3849377.25	0.00166	0.000336	1.16E-07	3.51E-07	2.78E-07	2.40E-07	1.08E-07	3.89E-09	9.39E-08	6.60E-08	5.71E-08	1.70E-08	2.38E-07
479363.09, 3849377.25	0.00155	0.000314	1.09E-07	3.28E-07	2.59E-07	2.24E-07	1.01E-07	3.63E-09	8.77E-08	6.16E-08	5.33E-08	1.59E-08	2.22E-07

479863.09, 3849377.25	0.00135	0.000273	9.47E-08	2.86E-07	2.26E-07	1.95E-07	8.78E-08	3.16E-09	7.64E-08	5.36E-08	4.64E-08	1.39E-08	1.93E-07
480363.09, 3849377.25	0.0015	0.000304	1.05E-07	3.18E-07	2.51E-07	2.17E-07	9.76E-08	3.51E-09	8.48E-08	5.96E-08	5.16E-08	1.54E-08	2.15E-07
480863.09, 3849377.25	0.00147	0.000298	1.03E-07	3.11E-07	2.46E-07	2.13E-07	9.56E-08	3.44E-09	8.31E-08	5.84E-08	5.05E-08	1.51E-08	2.11E-07
481363.09, 3849377.25	0.00137	0.000277	9.61E-08	2.90E-07	2.29E-07	1.98E-07	8.91E-08	3.21E-09	7.75E-08	5.44E-08	4.71E-08	1.41E-08	1.96E-07
481863.09, 3849377.25	0.00119	0.000241	8.34E-08	2.52E-07	1.99E-07	1.72E-07	7.74E-08	2.79E-09	6.73E-08	4.73E-08	4.09E-08	1.22E-08	1.70E-07
482363.09, 3849377.25	0.00116	0.000235	8.13E-08	2.46E-07	1.94E-07	1.68E-07	7.55E-08	2.72E-09	6.56E-08	4.61E-08	3.99E-08	1.19E-08	1.66E-07
482863.09, 3849377.25	0.00109	0.000221	7.64E-08	2.31E-07	1.82E-07	1.58E-07	7.09E-08	2.55E-09	6.16E-08	4.33E-08	3.75E-08	1.12E-08	1.56E-07
483363.09, 3849377.25	0.00102	0.000207	7.15E-08	2.16E-07	1.71E-07	1.48E-07	6.64E-08	2.39E-09	5.77E-08	4.05E-08	3.51E-08	1.05E-08	1.46E-07
483863.09, 3849377.25	0.00092	0.000186	6.45E-08	1.95E-07	1.54E-07	1.33E-07	5.99E-08	2.15E-09	5.20E-08	3.66E-08	3.16E-08	9.44E-09	1.32E-07
484363.09, 3849377.25	0.00097	0.000196	6.80E-08	2.05E-07	1.62E-07	1.40E-07	6.31E-08	2.27E-09	5.49E-08	3.85E-08	3.33E-08	9.96E-09	1.39E-07
484863.09, 3849377.25	0.00102	0.000207	7.15E-08	2.16E-07	1.71E-07	1.48E-07	6.64E-08	2.39E-09	5.77E-08	4.05E-08	3.51E-08	1.05E-08	1.46E-07
485363.09, 3849377.25	0.00102	0.000207	7.15E-08	2.16E-07	1.71E-07	1.48E-07	6.64E-08	2.39E-09	5.77E-08	4.05E-08	3.51E-08	1.05E-08	1.46E-07
485863.09, 3849377.25	0.00092	0.000186	6.45E-08	1.95E-07	1.54E-07	1.33E-07	5.99E-08	2.15E-09	5.20E-08	3.66E-08	3.16E-08	9.44E-09	1.32E-07
486363.09, 3849377.25	0.00083	0.000168	5.82E-08	1.76E-07	1.39E-07	1.20E-07	5.40E-08	1.94E-09	4.69E-08	3.30E-08	2.85E-08	8.52E-09	1.19E-07
486863.09, 3849377.25	0.00083	0.000168	5.82E-08	1.76E-07	1.39E-07	1.20E-07	5.40E-08	1.94E-09	4.69E-08	3.30E-08	2.85E-08	8.52E-09	1.19E-07
487363.09, 3849377.25	0.00083	0.000168	5.82E-08	1.76E-07	1.39E-07	1.20E-07	5.40E-08	1.94E-09	4.69E-08	3.30E-08	2.85E-08	8.52E-09	1.19E-07
487863.09, 3849377.25	0.00083	0.000168	5.82E-08	1.76E-07	1.39E-07	1.20E-07	5.40E-08	1.94E-09	4.69E-08	3.30E-08	2.85E-08	8.52E-09	1.19E-07
488363.09, 3849377.25	0.00081	0.000164	5.68E-08	1.71E-07	1.35E-07	1.17E-07	5.27E-08	1.90E-09	4.58E-08	3.22E-08	2.78E-08	8.31E-09	1.16E-07
488863.09, 3849377.25	0.00079	0.00016	5.54E-08	1.67E-07	1.32E-07	1.14E-07	5.14E-08	1.85E-09	4.47E-08	3.14E-08	2.72E-08	8.11E-09	1.13E-07
489363.09, 3849377.25	0.00077	0.000156	5.40E-08	1.63E-07	1.29E-07	1.11E-07	5.01E-08	1.80E-09	4.35E-08	3.06E-08	2.65E-08	7.90E-09	1.10E-07
489863.09, 3849377.25	0.00076	0.000154	5.33E-08	1.61E-07	1.27E-07	1.10E-07	4.95E-08	1.78E-09	4.30E-08	3.02E-08	2.61E-08	7.80E-09	1.09E-07
490363.09, 3849377.25	0.00076	0.000154	5.33E-08	1.61E-07	1.27E-07	1.10E-07	4.95E-08	1.78E-09	4.30E-08	3.02E-08	2.61E-08	7.80E-09	1.09E-07
490863.09, 3849377.25	0.00076	0.000154	5.33E-08	1.61E-07	1.27E-07	1.10E-07	4.95E-08	1.78E-09	4.30E-08	3.02E-08	2.61E-08	7.80E-09	1.09E-07
491363.09, 3849377.25	0.00074	0.00015	5.19E-08	1.57E-07	1.24E-07	1.07E-07	4.81E-08	1.73E-09	4.19E-08	2.94E-08	2.54E-08	7.59E-09	1.06E-07
491863.09, 3849377.25	0.00066	0.000134	4.63E-08	1.40E-07	1.10E-07	9.55E-08	4.29E-08	1.55E-09	3.73E-08	2.62E-08	2.27E-08	6.77E-09	9.46E-08
492363.09, 3849377.25	0.0006	0.000122	4.21E-08	1.27E-07	1.00E-07	8.68E-08	3.90E-08	1.40E-09	3.39E-08	2.38E-08	2.06E-08	6.16E-09	8.60E-08
492863.09, 3849377.25	0.00055	0.000111	3.86E-08	1.16E-07	9.20E-08	7.96E-08	3.58E-08	1.29E-09	3.11E-08	2.19E-08	1.89E-08	5.64E-09	7.88E-08
493363.09, 3849377.25	0.00052	0.000105	3.65E-08	1.10E-07	8.70E-08	7.52E-08	3.38E-08	1.22E-09	2.94E-08	2.07E-08	1.79E-08	5.34E-09	7.45E-08
493863.09, 3849377.25	0.0005	0.000101	3.51E-08	1.06E-07	8.36E-08	7.24E-08	3.25E-08	1.17E-09	2.83E-08	1.99E-08	1.72E-08	5.13E-09	7.16E-08
494363.09, 3849377.25	0.00048	9.72E-05	3.37E-08	1.02E-07	8.03E-08	6.95E-08	3.12E-08	1.12E-09	2.71E-08	1.91E-08	1.65E-08	4.93E-09	6.88E-08
494863.09, 3849377.25	0.00049	9.93E-05	3.44E-08	1.04E-07	8.19E-08	7.09E-08	3.19E-08	1.15E-09	2.77E-08	1.95E-08	1.68E-08	5.03E-09	7.02E-08
495363.09, 3849377.25	0.00049	9.93E-05	3.44E-08	1.04E-07	8.19E-08	7.09E-08	3.19E-08	1.15E-09	2.77E-08	1.95E-08	1.68E-08	5.03E-09	7.02E-08
495863.09, 3849377.25	0.00042	8.51E-05	2.94E-08	8.89E-08	7.02E-08	6.08E-08	2.73E-08	9.83E-10	2.38E-08	1.67E-08	1.44E-08	4.31E-09	6.02E-08
496363.09, 3849377.25	0.00041	8.3E-05	2.87E-08	8.68E-08	6.86E-08	5.93E-08	2.67E-08	9.60E-10	2.32E-08	1.63E-08	1.41E-08	4.21E-09	5.87E-08
496863.09, 3849377.25	0.00046	9.32E-05	3.23E-08	9.74E-08	7.69E-08	6.66E-08	2.99E-08	1.08E-09	2.60E-08	1.83E-08	1.58E-08	4.72E-09	6.59E-08
497363.09, 3849377.25	0.00048	9.72E-05	3.37E-08	1.02E-07	8.03E-08	6.95E-08	3.12E-08	1.12E-09	2.71E-08	1.91E-08	1.65E-08	4.93E-09	6.88E-08
497863.09, 3849377.25	0.00054	0.000109	3.79E-08	1.14E-07	9.03E-08	7.81E-08	3.51E-08	1.26E-09	3.05E-08	2.15E-08	1.86E-08	5.54E-09	7.74E-08
498363.09, 3849377.25	0.00052	0.000105	3.65E-08	1.10E-07	8.70E-08	7.52E-08	3.38E-08	1.22E-09	2.94E-08	2.07E-08	1.79E-08	5.34E-09	7.45E-08
471363.09, 3849877.25	0.00104	0.000211	7.29E-08	2.20E-07	1.74E-07	1.50E-07	6.77E-08	2.44E-09	5.88E-08	4.13E-08	3.58E-08	1.07E-08	1.49E-07
471863.09, 3849877.25	0.00126	0.000255	8.83E-08	2.67E-07	2.11E-07	1.82E-07	8.20E-08	2.95E-09	7.13E-08	5.01E-08	4.33E-08	1.29E-08	1.81E-07
472363.09, 3849877.25	0.00153	0.00031	1.07E-07	3.24E-07	2.56E-07	2.21E-07	9.96E-08	3.58E-09	8.65E-08	6.08E-08	5.26E-08	1.57E-08	2.19E-07
472863.09, 3849877.25	0.00176	0.000356	1.23E-07	3.73E-07	2.94E-07	2.55E-07	1.15E-07	4.12E-09	9.95E-08	6.99E-08	6.05E-08	1.81E-08	2.52E-07
473363.09, 3849877.25	0.00187	0.000379	1.31E-07	3.96E-07	3.13E-07	2.71E-07	1.22E-07	4.38E-09	1.06E-07	7.43E-08	6.43E-08	1.92E-08	2.68E-07
473863.09, 3849877.25	0.002	0.000405	1.40E-07	4.23E-07	3.34E-07	2.89E-07	1.30E-07	4.68E-09	1.13E-07	7.95E-08	6.88E-08	2.05E-08	2.87E-07
474363.09, 3849877.25	0.00211	0.000427	1.48E-07	4.47E-07	3.53E-07	3.05E-07	1.37E-07	4.94E-09	1.19E-07	8.38E-08	7.25E-08	2.17E-08	3.02E-07
474863.09, 3849877.25	0.00214	0.000433	1.50E-07	4.53E-07	3.58E-07	3.10E-07	1.39E-07	5.01E-09	1.21E-07	8.50E-08	7.36E-08	2.20E-08	3.07E-07
475363.09, 3849877.25	0.00199	0.000403	1.40E-07	4.21E-07	3.33E-07	2.88E-07	1.29E-07	4.66E-09	1.13E-07	7.91E-08	6.84E-08	2.04E-08	2.85E-07
475863.09, 3849877.25	0.00192	0.000389	1.35E-07	4.06E-07	3.21E-07	2.78E-07	1.25E-07	4.50E-09	1.09E-07	7.63E-08	6.60E-08	1.97E-08	2.75E-07
476363.09, 3849877.25	0.00198	0.000401	1.39E-07	4.19E-07	3.31E-07	2.87E-07	1.29E-07	4.64E-09	1.12E-07	7.87E-08	6.81E-08	2.03E-08	2.84E-07
476863.09, 3849877.25	0.0022	0.000446	1.54E-07	4.66E-07	3.68E-07	3.18E-07	1.43E-07	5.15E-09	1.24E-07	8.74E-08	7.56E-08	2.26E-08	3.15E-07
477363.09, 3849877.25	0.00246	0.000498	1.72E-07	5.21E-07	4.11E-07	3.56E-07	1.60E-07	5.76E-09	1.39E-07	9.77E-08	8.46E-08	2.52E-08	3.52E-07
477863.09, 3849877.25	0.00247	0.0005	1.73E-07	5.23E-07	4.13E-07	3.57E-07	1.61E-07	5.78E-09	1.40E-07	9.81E-08	8.49E-08	2.53E-08	3.54E-07
478363.09, 3849877.25	0.00241	0.000488	1.69E-07	5.10E-07	4.03E-07	3.49E-07	1.57E-07	5.64E-09	1.36E-07	9.58E-08	8.29E-08	2.47E-08	3.45E-07
478863.09, 3849877.25	0.00235	0.000476	1.65E-07	4.98E-07	3.93E-07	3.40E-07	1.53E-07	5.50E-09	1.33E-07	9.34E-08	8.08E-08	2.41E-08	3.37E-07
479363.09, 3849877.25	0.00197	0.000399	1.38E-07	4.17E-07	3.29E-07	2.85E-07	1.28E-07	4.61E-09	1.11E-07	7.83E-08	6.77E-08	2.02E-08	2.82E-07
479863.09, 3849877.25	0.00189	0.000383	1.33E-07	4.00E-07	3.16E-07	2.73E-07	1.23E-07	4.43E-09	1.07E-07	7.51E-08	6.50E-08	1.94E-08	2.71E-07
480363.09, 3849877.25	0.00166	0.000336	1.16E-07	3.51E-07	2.78E-07	2.40E-07	1.08E-07	3.89E-09	9.39E-08	6.60E-08	5.71E-08	1.70E-08	2.38E-07
480863.09, 3849877.25	0.00148	0.0003	1.04E-07	3.13E-07	2.48E-07	2.14E-07	9.63E-08	3.47E-09	8.37E-08	5.88E-08	5.09E-08	1.52E-08	2.12E-07
481363.09, 3849877.25	0.00142	0.000288	9.96E-08	3.01E-07	2.37E-07	2.05E-07	9.24E-08	3.32E-09	8.03E-08	5.64E-08	4.88E-08	1.46E-08	2.03E-07
481863.09, 3849877.25	0.00118	0.000239	8.27E-08	2.50E-07	1.97E-07	1.71E-07	7.68E-08	2.76E-09	6.67E-08	4.69E-08	4.06E-08	1.21E-08	1.69E-07
482363.09, 3849877.25	0.00113	0.000229	7.92E-08	2.39E-07	1.89E-07	1.64E-07	7.35E-08	2.65E-09	6.39E-08	4.49E-08	3.89E-08	1.16E-08	1.62E-07
482863.09, 3849877.25	0.00112	0.000227	7.85E-08	2.37E-07	1.87E-07	1.62E-07	7.29E-08	2.62E-09	6.33E-08	4.45E-08	3.85E-08	1.15E-08	1.60E-07
483363.09, 3849877.25	0.00108	0.000219	7.57E-08	2.29E-07	1.81E-07	1.56E-07	7.03E-08	2.53E-09	6.11E-08	4.29E-08	3.71E-08	1.11E-08	1.55E-07
483863.09, 3849877.25	0.00105	0.000213	7.36E-08	2.22E-07	1.76E-07	1.52E-07	6.83E-08	2.46E-09	5.94E-08	4.17E-08	3.61E-08	1.08E-08	1.50E-07
484363.09, 3849877.25	0.00108	0.000219	7.57E-08	2.29E-07	1.81E-07	1.56E-07	7.03E-08	2.53E-09	6.11E-08	4.29E-08	3.71E-08	1.11E-08	1.55E-07
484863.09, 3849877.25	0.00115	0.000233	8.06E-08	2.43E-07	1.92E-07	1.66E-07	7.48E-08	2.69E-09	6.50E-08	4.57E-08	3.95E-08	1.18E-08	1.65E-07
485363.09, 3849877.25	0.00109	0.000221	7.64E-08	2.31E-07	1.82E-07	1.58E-07	7.09E-08	2.55E-09	6.16E-08	4.33E-08	3.75E-08	1.12E-08	1.56E-07
485863.09, 3849877.25	0.00103	0.000209	7.22E-08	2.18E-07	1.72E-07	1.49E-07	6.70E-08	2.41E-09	5.83E-08	4.09E-08	3.54E-08	1.06E-08	1.48E-07
486363.09, 3849877.25	0.00097	0.000196	6.80E-08	2.05E-07	1.62E-07	1.40E-07	6.31E-08	2.27E-09	5.49E-08	3.85E-08	3.33E-08	9.96E-09	1.39E-07
486863.09, 3849877.25	0.00093	0.000188	6.52E-08	1.97E-07	1.56E-07	1.35E-07	6.05E-08	2.18E-09	5.26E-08	3.70E-08	3.20E-08	9.54E-09	1.33E-07
487363.09, 3849877.25	0.00089	0.00018	6.24E-08	1.88E-07	1.49E-07	1.29E-07	5.79E-08	2.08E-09	5.03E-08	3.54E-08	3.06E-08	9.13E-09	1.28E-07
487863.09, 3849877.25	0.00089	0.00018	6.24E-08	1.88E-07	1.49E-07	1.29E-07	5.79E-08	2.08E-09	5.03E-08	3.54E-08	3.06E-08	9.13E-09	1.28E-07
488363.09, 3849877.25	0.00088	0.000178	6.17E-08	1.86E-07	1.47E-07	1.27E-07	5.73E-08	2.06E-09	4.98E-08	3.50E-08	3.03E-08	9.03E-09	1.26E-07
488863.09, 3849877.25	0.00086	0.000174	6.03E-08	1.82E-07	1.44E-07	1.24E-07	5.60E-08	2.01E-09	4.86E-08	3.42E-08	2.96E-08	8.83E-09	1.23E-07
489363.09, 3849877.25	0.00083	0.000168	5.82E-08	1.76E-07	1.39E-07	1.20E-07	5.40E-08	1.94E-09	4.69E-08	3.30E-08	2.85E-08	8.52E-09	1.19E-07
489863.09, 3849877.25	0.00081	0.000164	5.68E-08	1.71E-07	1.35E-07	1.17E-07	5.27E-08	1.90E-09	4.58E-08	3.22E-08	2.78E-08	8.31E-09	1.16E-07
490363.09, 3849877.25	0.0008	0.000162	5.61E-08	1.69E-07	1.34E-07	1.16E-07	5.21E-08	1.87E-09	4.52E-08	3.18E-08	2.75E-08	8.21E-09	1.15E-07
490863.09, 3849877.25	0.00081	0.000164	5.68E-08	1.71E-07	1.35E-07	1.17E-07	5.27E-08	1.90E-09	4.58E-08	3.22E-08	2.78E-08	8.31E-09	1.16E-07
491363.09, 3849877.25	0.0008	0.000162	5.61E-08	1.69E-07	1.34E-07	1.16E-07	5.21E-08	1.87E-09	4.52E-08	3.18E-08	2.75E-08	8.21E-09	1.15E-07
491863.09, 3849877.25	0.00072	0.000146	5.05E-08	1.52E-07	1.20E-07	1.04E-07	4.68E-08	1.69E-09	4.07E-08	2.86E-08	2.48E-08	7.39E-09	1.03E-07
492363.09, 3849877.25	0.00065	0.000132	4.56E-08	1.38E-07	1.09E-07	9.41E-08	4.23E-08	1.52E-09	3.68E-08	2.58E-08	2.23E-08	6.67E-09	9.31E-08
492863.09, 3849877.25	0.0006	0.000122	4.21E-08	1.27E-07	1.00E-07	8.68E-08	3.90E-08	1.40E-09	3.39E-08	2.38E-08	2.06E-08	6.16E-09	8.60E-08
493363.09, 3849877.25	0.00057	0.000115	4.00E-08	1.21E-07	9.53E-08	8.25E-08	3.71E-08	1.33E-09	3.22E-08	2.26E-08	1.96E-08	5.85E-09	8.17E-08
493863.09, 3849877.25	0.00053	0.000107	3.72E-08	1.12E-07	8.86E-08	7.67E-08	3.45E-08	1.24E-09	3.00E-08	2.11E-08	1.82E-08	5.44E-09	7.59E-08
494363.09, 3849877.25	0.00057	0.000115	4.00E-08	1.21E-07	9.53E-08	8.25E-08	3.71E-08	1.33E-09	3.22E-08	2.26E-08	1.96E-08	5.85E-09	8.17E-08
494863.09, 3849877.25	0.00056	0.000113	3.93E-08	1.19E-07	9.36E-08	8.10E-08	3.64E-08	1.31E-09	3.17E-08	2.23E-08	1.93E-08	5.75E-09	8.02E-08
495363.09, 3849877.25	0.00051	0.000103	3.58E-08	1.08E-07	8.53E-08	7.38E-08	3.32E-08	1.19E-09	2.88E-08	2.03E-08	1.75E-08	5.23E-09	7.31E-08
495863.09, 3849877.25	0.00053	0.000107	3.72E-08	1.12E-07	8.86E-08	7.67E-08	3.45E-08	1.24E-09	3.00E-08	2.11E-08	1.82E-08	5.44E-09	7.59E-08
496363.09, 3849877.25	0.00053	0.000107	3.72E-08	1.12E-07	8.86E-08	7.67E-08	3.45E-08	1.24E-09	3.00E-08	2.11E-08	1.82E-08	5.44E-09	7.59E-08
496863.09, 3849877.25	0.00051	0.000103	3.58E-08	1.08E-07	8.53E-08	7.38E-08	3.32E-08	1.19E-09	2.88E-08	2.03E-08	1.75E-08	5.23E-09	7.31E-08
497363.09, 3849877.25	0.00055	0.000111	3.86E-08	1.16E-07	9.20E-08	7.96E-08	3.58E-08	1.29E-09	3.11E-08	2.19E-08	1.89E-08	5.64E-09	7.88E-08
497863.09, 3849877.25	0.00057	0.000115	4.00E-08	1.21E-07	9.53E-08	8.25E-08	3.71E-08	1.33E-09	3.22E-08	2.26E-08	1.96E-08	5.85E-09	8.17E-08
498363.09, 3849877.25	0.00055	0.000111	3.86E-08	1.16E-07	9.20E-08	7.96E-08	3.58E-08	1.29E-09	3.11E-08	2.19E-08	1.89E-08	5.64E-09	7.88E-08
471363.09, 3850377.25	0.00091	0.000184	6.38E-08	1.93E-07	1.52E-07	1.32E-07	5.92E-08	2.13E-09	5.15E-08	3.62E-08	3.13E-08	9.34E-09	1.30E-07
471863.09, 3850377.25	0.00107	0.000217	7.50E-08	2.27E-07	1.79E-07	1.55E-07	6.96E-08	2.51E-09	6.05E-08	4.25E-08	3.68E-08	1.10E-08	1.53E-07
472363.09, 3850377.25	0.00118	0.000239	8.27E-08	2.50E-07	1.97E-07	1.71E-07	7.68E-08	2.76E-09	6.67E-08	4.69E-08	4.06E-08	1.21E-08	1.69E-07
472863.09, 3850377.25	0.00149	0.000302	1.04E-07	3.15E-07	2.49E-07	2.16E-07	9.69E-08	3.49E-09	8.43E-08	5.92E-08	5.12E-08	1.53E-08	2.13E-07
473363.09, 3850377.25	0.00161	0.000326	1.13E-07	3.41E-07	2.69E-07	2.33E-07	1.05E-07	3.77E-09	9.11E-08	6.40E-08	5.54E-08	1.65E-08	2.31E-07
473863.09, 3850377.25	0.00185	0.000375	1.30E-07	3.92E-07	3.09E-07	2.68E-07	1.20E-07	4.33E-09	1.05E-07	7.35E-08	6.36E-08	1.90E-08	2.65E-07

474363.09, 3850377.25	0.00206	0.000417	1.44E-07	4.36E-07	3.44E-07	2.98E-07	1.34E-07	4.82E-09	1.17E-07	8.19E-08	7.08E-08	2.11E-08	2.95E-07
474863.09, 3850377.25	0.00222	0.00045	1.56E-07	4.70E-07	3.71E-07	3.21E-07	1.44E-07	5.20E-09	1.26E-07	8.82E-08	7.63E-08	2.28E-08	3.18E-07
475363.09, 3850377.25	0.00235	0.000476	1.65E-07	4.98E-07	3.93E-07	3.40E-07	1.53E-07	5.50E-09	1.33E-07	9.34E-08	8.08E-08	2.41E-08	3.37E-07
475863.09, 3850377.25	0.00232	0.00047	1.63E-07	4.91E-07	3.88E-07	3.36E-07	1.51E-07	5.43E-09	1.31E-07	9.22E-08	7.98E-08	2.38E-08	3.32E-07
476363.09, 3850377.25	0.00216	0.000438	1.51E-07	4.57E-07	3.61E-07	3.13E-07	1.41E-07	5.06E-09	1.22E-07	8.58E-08	7.43E-08	2.22E-08	3.09E-07
476863.09, 3850377.25	0.00212	0.000429	1.49E-07	4.49E-07	3.55E-07	3.07E-07	1.38E-07	4.96E-09	1.20E-07	8.42E-08	7.29E-08	2.18E-08	3.04E-07
477363.09, 3850377.25	0.00232	0.00047	1.63E-07	4.91E-07	3.88E-07	3.36E-07	1.51E-07	5.43E-09	1.31E-07	9.22E-08	7.98E-08	2.38E-08	3.32E-07
477863.09, 3850377.25	0.00251	0.000508	1.76E-07	5.31E-07	4.20E-07	3.63E-07	1.63E-07	5.88E-09	1.42E-07	9.97E-08	8.63E-08	2.58E-08	3.60E-07
478363.09, 3850377.25	0.00256	0.000519	1.79E-07	5.42E-07	4.28E-07	3.70E-07	1.67E-07	5.99E-09	1.45E-07	1.02E-07	8.80E-08	2.63E-08	3.67E-07
478863.09, 3850377.25	0.00292	0.000591	2.05E-07	6.18E-07	4.88E-07	4.23E-07	1.90E-07	6.84E-09	1.65E-07	1.16E-07	1.00E-07	3.00E-08	4.18E-07
479363.09, 3850377.25	0.00291	0.000589	2.04E-07	6.16E-07	4.87E-07	4.21E-07	1.89E-07	6.81E-09	1.65E-07	1.16E-07	1.00E-07	2.99E-08	4.17E-07
479863.09, 3850377.25	0.00236	0.000478	1.65E-07	5.00E-07	3.95E-07	3.41E-07	1.54E-07	5.53E-09	1.33E-07	9.38E-08	8.11E-08	2.42E-08	3.38E-07
480363.09, 3850377.25	0.0021	0.000425	1.47E-07	4.45E-07	3.51E-07	3.04E-07	1.37E-07	4.92E-09	1.19E-07	8.34E-08	7.22E-08	2.16E-08	3.01E-07
480863.09, 3850377.25	0.00211	0.000427	1.48E-07	4.47E-07	3.53E-07	3.05E-07	1.37E-07	4.94E-09	1.19E-07	8.38E-08	7.25E-08	2.17E-08	3.02E-07
481363.09, 3850377.25	0.00152	0.000308	1.07E-07	3.22E-07	2.54E-07	2.20E-07	9.89E-08	3.56E-09	8.60E-08	6.04E-08	5.23E-08	1.56E-08	2.18E-07
481863.09, 3850377.25	0.0015	0.000304	1.05E-07	3.18E-07	2.51E-07	2.17E-07	9.76E-08	3.51E-09	8.48E-08	5.96E-08	5.16E-08	1.54E-08	2.15E-07
482363.09, 3850377.25	0.00146	0.000296	1.02E-07	3.09E-07	2.44E-07	2.11E-07	9.50E-08	3.42E-09	8.26E-08	5.80E-08	5.02E-08	1.50E-08	2.09E-07
482863.09, 3850377.25	0.00126	0.000255	8.83E-08	2.67E-07	2.11E-07	1.82E-07	8.20E-08	2.95E-09	7.13E-08	5.01E-08	4.33E-08	1.29E-08	1.81E-07
483363.09, 3850377.25	0.00121	0.000245	8.48E-08	2.56E-07	2.02E-07	1.75E-07	7.87E-08	2.83E-09	6.84E-08	4.81E-08	4.16E-08	1.24E-08	1.73E-07
483863.09, 3850377.25	0.00126	0.000255	8.83E-08	2.67E-07	2.11E-07	1.82E-07	8.20E-08	2.95E-09	7.13E-08	5.01E-08	4.33E-08	1.29E-08	1.81E-07
484363.09, 3850377.25	0.00129	0.000261	9.05E-08	2.73E-07	2.16E-07	1.87E-07	8.39E-08	3.02E-09	7.30E-08	5.13E-08	4.44E-08	1.32E-08	1.85E-07
484863.09, 3850377.25	0.00131	0.000265	9.19E-08	2.77E-07	2.19E-07	1.90E-07	8.52E-08	3.07E-09	7.41E-08	5.21E-08	4.50E-08	1.34E-08	1.88E-07
485363.09, 3850377.25	0.00123	0.000249	8.62E-08	2.60E-07	2.06E-07	1.78E-07	8.00E-08	2.88E-09	6.96E-08	4.89E-08	4.23E-08	1.26E-08	1.76E-07
485863.09, 3850377.25	0.00115	0.000233	8.06E-08	2.43E-07	1.92E-07	1.66E-07	7.48E-08	2.69E-09	6.50E-08	4.57E-08	3.95E-08	1.18E-08	1.65E-07
486363.09, 3850377.25	0.00114	0.000231	7.99E-08	2.41E-07	1.91E-07	1.65E-07	7.42E-08	2.67E-09	6.45E-08	4.53E-08	3.92E-08	1.17E-08	1.63E-07
486863.09, 3850377.25	0.00108	0.000219	7.57E-08	2.29E-07	1.81E-07	1.56E-07	7.03E-08	2.53E-09	6.11E-08	4.29E-08	3.71E-08	1.11E-08	1.55E-07
487363.09, 3850377.25	0.00098	0.000199	6.87E-08	2.07E-07	1.64E-07	1.42E-07	6.38E-08	2.29E-09	5.54E-08	3.89E-08	3.37E-08	1.01E-08	1.40E-07
487863.09, 3850377.25	0.00095	0.000192	6.66E-08	2.01E-07	1.59E-07	1.37E-07	6.18E-08	2.22E-09	5.37E-08	3.77E-08	3.27E-08	9.75E-09	1.36E-07
488363.09, 3850377.25	0.00095	0.000192	6.66E-08	2.01E-07	1.59E-07	1.37E-07	6.18E-08	2.22E-09	5.37E-08	3.77E-08	3.27E-08	9.75E-09	1.36E-07
488863.09, 3850377.25	0.00094	0.00019	6.59E-08	1.99E-07	1.57E-07	1.36E-07	6.12E-08	2.20E-09	5.32E-08	3.74E-08	3.23E-08	9.65E-09	1.35E-07
489363.09, 3850377.25	0.0009	0.000182	6.31E-08	1.91E-07	1.51E-07	1.30E-07	5.86E-08	2.11E-09	5.09E-08	3.58E-08	3.09E-08	9.24E-09	1.29E-07
489863.09, 3850377.25	0.00087	0.000176	6.10E-08	1.84E-07	1.45E-07	1.26E-07	5.66E-08	2.04E-09	4.92E-08	3.46E-08	2.99E-08	8.93E-09	1.25E-07
490363.09, 3850377.25	0.00085	0.000172	5.96E-08	1.80E-07	1.42E-07	1.23E-07	5.53E-08	1.99E-09	4.81E-08	3.38E-08	2.92E-08	8.72E-09	1.22E-07
490863.09, 3850377.25	0.00086	0.000174	6.03E-08	1.82E-07	1.44E-07	1.24E-07	5.60E-08	2.01E-09	4.86E-08	3.42E-08	2.96E-08	8.83E-09	1.23E-07
491363.09, 3850377.25	0.00086	0.000174	6.03E-08	1.82E-07	1.44E-07	1.24E-07	5.60E-08	2.01E-09	4.86E-08	3.42E-08	2.96E-08	8.83E-09	1.23E-07
491863.09, 3850377.25	0.00079	0.00016	5.54E-08	1.67E-07	1.32E-07	1.14E-07	5.14E-08	1.85E-09	4.47E-08	3.14E-08	2.72E-08	8.11E-09	1.13E-07
492363.09, 3850377.25	0.0007	0.000142	4.91E-08	1.48E-07	1.17E-07	1.01E-07	4.55E-08	1.64E-09	3.96E-08	2.78E-08	2.41E-08	7.18E-09	1.00E-07
492863.09, 3850377.25	0.00065	0.000132	4.56E-08	1.38E-07	1.09E-07	9.41E-08	4.23E-08	1.52E-09	3.68E-08	2.58E-08	2.23E-08	6.67E-09	9.31E-08
493363.09, 3850377.25	0.00062	0.000126	4.35E-08	1.31E-07	1.04E-07	8.97E-08	4.03E-08	1.45E-09	3.51E-08	2.46E-08	2.13E-08	6.36E-09	8.88E-08
493863.09, 3850377.25	0.00064	0.00013	4.49E-08	1.35E-07	1.07E-07	9.26E-08	4.16E-08	1.50E-09	3.62E-08	2.54E-08	2.20E-08	6.57E-09	9.17E-08
494363.09, 3850377.25	0.00062	0.000126	4.35E-08	1.31E-07	1.04E-07	8.97E-08	4.03E-08	1.45E-09	3.51E-08	2.46E-08	2.13E-08	6.36E-09	8.88E-08
494863.09, 3850377.25	0.00061	0.000124	4.28E-08	1.29E-07	1.02E-07	8.83E-08	3.97E-08	1.43E-09	3.45E-08	2.42E-08	2.10E-08	6.26E-09	8.74E-08
495363.09, 3850377.25	0.00061	0.000124	4.28E-08	1.29E-07	1.02E-07	8.83E-08	3.97E-08	1.43E-09	3.45E-08	2.42E-08	2.10E-08	6.26E-09	8.74E-08
495863.09, 3850377.25	0.00059	0.00012	4.14E-08	1.25E-07	9.87E-08	8.54E-08	3.84E-08	1.38E-09	3.34E-08	2.34E-08	2.03E-08	6.06E-09	8.45E-08
496363.09, 3850377.25	0.00059	0.00012	4.14E-08	1.25E-07	9.87E-08	8.54E-08	3.84E-08	1.38E-09	3.34E-08	2.34E-08	2.03E-08	6.06E-09	8.45E-08
496863.09, 3850377.25	0.00059	0.00012	4.14E-08	1.25E-07	9.87E-08	8.54E-08	3.84E-08	1.38E-09	3.34E-08	2.34E-08	2.03E-08	6.06E-09	8.45E-08
497363.09, 3850377.25	0.00059	0.00012	4.14E-08	1.25E-07	9.87E-08	8.54E-08	3.84E-08	1.38E-09	3.34E-08	2.34E-08	2.03E-08	6.06E-09	8.45E-08
497863.09, 3850377.25	0.0006	0.000122	4.21E-08	1.27E-07	1.00E-07	8.68E-08	3.90E-08	1.40E-09	3.39E-08	2.38E-08	2.06E-08	6.16E-09	8.60E-08
498363.09, 3850377.25	0.00058	0.000117	4.07E-08	1.23E-07	9.70E-08	8.39E-08	3.77E-08	1.36E-09	3.28E-08	2.30E-08	1.99E-08	5.95E-09	8.31E-08
471363.09, 3850877.25	0.00102	0.000207	7.15E-08	2.16E-07	1.71E-07	1.48E-07	6.64E-08	2.39E-09	5.77E-08	4.05E-08	3.51E-08	1.05E-08	1.46E-07
471863.09, 3850877.25	0.00107	0.000217	7.50E-08	2.27E-07	1.79E-07	1.55E-07	6.96E-08	2.51E-09	6.05E-08	4.25E-08	3.68E-08	1.10E-08	1.53E-07
472363.09, 3850877.25	0.00116	0.000235	8.13E-08	2.46E-07	1.94E-07	1.68E-07	7.55E-08	2.72E-09	6.56E-08	4.61E-08	3.99E-08	1.19E-08	1.66E-07
472863.09, 3850877.25	0.00137	0.000277	9.61E-08	2.90E-07	2.29E-07	1.98E-07	8.91E-08	3.21E-09	7.75E-08	5.44E-08	4.71E-08	1.41E-08	1.96E-07
473363.09, 3850877.25	0.0013	0.000263	9.12E-08	2.75E-07	2.17E-07	1.88E-07	8.46E-08	3.04E-09	7.35E-08	5.17E-08	4.47E-08	1.33E-08	1.86E-07
473863.09, 3850877.25	0.00152	0.000308	1.07E-07	3.22E-07	2.54E-07	2.20E-07	9.89E-08	3.56E-09	8.60E-08	6.04E-08	5.23E-08	1.56E-08	2.18E-07
474363.09, 3850877.25	0.00191	0.000387	1.34E-07	4.04E-07	3.19E-07	2.76E-07	1.24E-07	4.47E-09	1.08E-07	7.59E-08	6.57E-08	1.96E-08	2.74E-07
474863.09, 3850877.25	0.00211	0.000427	1.48E-07	4.47E-07	3.53E-07	3.05E-07	1.37E-07	4.94E-09	1.19E-07	8.38E-08	7.25E-08	2.17E-08	3.02E-07
475363.09, 3850877.25	0.0023	0.000466	1.61E-07	4.87E-07	3.85E-07	3.33E-07	1.50E-07	5.39E-09	1.30E-07	9.14E-08	7.91E-08	2.36E-08	3.30E-07
475863.09, 3850877.25	0.00249	0.000504	1.75E-07	5.27E-07	4.16E-07	3.60E-07	1.62E-07	5.83E-09	1.41E-07	9.89E-08	8.56E-08	2.56E-08	3.57E-07
476363.09, 3850877.25	0.0026	0.000527	1.82E-07	5.50E-07	4.35E-07	3.76E-07	1.69E-07	6.09E-09	1.47E-07	1.03E-07	8.94E-08	2.67E-08	3.73E-07
476863.09, 3850877.25	0.00254	0.000514	1.78E-07	5.38E-07	4.25E-07	3.68E-07	1.65E-07	5.95E-09	1.44E-07	1.01E-07	8.73E-08	2.61E-08	3.64E-07
477363.09, 3850877.25	0.00244	0.000494	1.71E-07	5.17E-07	4.08E-07	3.53E-07	1.59E-07	5.71E-09	1.38E-07	9.70E-08	8.39E-08	2.50E-08	3.50E-07
477863.09, 3850877.25	0.0025	0.000506	1.75E-07	5.29E-07	4.18E-07	3.62E-07	1.63E-07	5.85E-09	1.41E-07	9.93E-08	8.60E-08	2.57E-08	3.58E-07
478363.09, 3850877.25	0.0027	0.000547	1.89E-07	5.72E-07	4.52E-07	3.91E-07	1.76E-07	6.32E-09	1.53E-07	1.07E-07	9.28E-08	2.77E-08	3.87E-07
478863.09, 3850877.25	0.0031	0.000628	2.17E-07	6.56E-07	5.18E-07	4.49E-07	2.02E-07	7.26E-09	1.75E-07	1.23E-07	1.07E-07	3.18E-08	4.44E-07
479363.09, 3850877.25	0.00335	0.000679	2.35E-07	7.09E-07	5.60E-07	4.85E-07	2.18E-07	7.84E-09	1.89E-07	1.33E-07	1.15E-07	3.44E-08	4.80E-07
479863.09, 3850877.25	0.00316	0.00064	2.22E-07	6.69E-07	5.28E-07	4.57E-07	2.06E-07	7.40E-09	1.79E-07	1.26E-07	1.09E-07	3.24E-08	4.53E-07
480363.09, 3850877.25	0.00314	0.000636	2.20E-07	6.65E-07	5.25E-07	4.54E-07	2.04E-07	7.35E-09	1.78E-07	1.25E-07	1.08E-07	3.22E-08	4.50E-07
480863.09, 3850877.25	0.00271	0.000549	1.90E-07	5.74E-07	4.53E-07	3.92E-07	1.76E-07	6.35E-09	1.53E-07	1.08E-07	9.32E-08	2.78E-08	3.88E-07
481363.09, 3850877.25	0.00247	0.0005	1.73E-07	5.23E-07	4.13E-07	3.57E-07	1.61E-07	5.78E-09	1.40E-07	9.81E-08	8.49E-08	2.53E-08	3.54E-07
481863.09, 3850877.25	0.00214	0.000433	1.50E-07	4.53E-07	3.58E-07	3.10E-07	1.39E-07	5.01E-09	1.21E-07	8.50E-08	7.36E-08	2.20E-08	3.07E-07
482363.09, 3850877.25	0.00176	0.000356	1.23E-07	3.73E-07	2.94E-07	2.55E-07	1.15E-07	4.12E-09	9.95E-08	6.99E-08	6.05E-08	1.81E-08	2.52E-07
482863.09, 3850877.25	0.00156	0.000316	1.09E-07	3.30E-07	2.61E-07	2.26E-07	1.02E-07	3.65E-09	8.82E-08	6.20E-08	5.36E-08	1.60E-08	2.24E-07
483363.09, 3850877.25	0.00141	0.000286	9.89E-08	2.99E-07	2.36E-07	2.04E-07	9.17E-08	3.30E-09	7.97E-08	5.60E-08	4.85E-08	1.45E-08	2.02E-07
483863.09, 3850877.25	0.00146	0.000296	1.02E-07	3.09E-07	2.44E-07	2.11E-07	9.50E-08	3.42E-09	8.26E-08	5.80E-08	5.02E-08	1.50E-08	2.09E-07
484363.09, 3850877.25	0.00157	0.000318	1.10E-07	3.32E-07	2.63E-07	2.27E-07	1.02E-07	3.68E-09	8.88E-08	6.24E-08	5.40E-08	1.61E-08	2.25E-07
484863.09, 3850877.25	0.00147	0.000298	1.03E-07	3.11E-07	2.46E-07	2.13E-07	9.56E-08	3.44E-09	8.31E-08	5.84E-08	5.05E-08	1.51E-08	2.11E-07
485363.09, 3850877.25	0.00142	0.000288	9.96E-08	3.01E-07	2.37E-07	2.05E-07	9.24E-08	3.32E-09	8.03E-08	5.64E-08	4.88E-08	1.46E-08	2.03E-07
485863.09, 3850877.25	0.00126	0.000255	8.83E-08	2.67E-07	2.11E-07	1.82E-07	8.20E-08	2.95E-09	7.13E-08	5.01E-08	4.33E-08	1.29E-08	1.81E-07
486363.09, 3850877.25	0.00125	0.000253	8.76E-08	2.65E-07	2.09E-07	1.81E-07	8.13E-08	2.93E-09	7.07E-08	4.97E-08	4.30E-08	1.28E-08	1.79E-07
486863.09, 3850877.25	0.00122	0.000247	8.55E-08	2.58E-07	2.04E-07	1.77E-07	7.94E-08	2.86E-09	6.90E-08	4.85E-08	4.19E-08	1.25E-08	1.75E-07
487363.09, 3850877.25	0.00113	0.000229	7.92E-08	2.39E-07	1.89E-07	1.64E-07	7.35E-08	2.65E-09	6.39E-08	4.49E-08	3.89E-08	1.16E-08	1.62E-07
487863.09, 3850877.25	0.00103	0.000209	7.22E-08	2.18E-07	1.72E-07	1.49E-07	6.70E-08	2.41E-09	5.83E-08	4.09E-08	3.54E-08	1.06E-08	1.48E-07
488363.09, 3850877.25	0.00101	0.000205	7.08E-08	2.14E-07	1.69E-07	1.46E-07	6.57E-08	2.36E-09	5.71E-08	4.01E-08	3.47E-08	1.04E-08	1.45E-07
488863.09, 3850877.25	0.00102	0.000207	7.15E-08	2.16E-07	1.71E-07	1.48E-07	6.64E-08	2.39E-09	5.77E-08	4.05E-08	3.51E-08	1.05E-08	1.46E-07
489363.09, 3850877.25	0.001	0.000203	7.01E-08	2.12E-07	1.67E-07	1.45E-07	6.51E-08	2.34E-09	5.66E-08	3.97E-08	3.44E-08	1.03E-08	1.43E-07
489863.09, 3850877.25	0.00094	0.00019	6.59E-08	1.99E-07	1.57E-07	1.36E-07	6.12E-08	2.20E-09	5.32E-08	3.74E-08	3.23E-08	9.65E-09	1.35E-07
490363.09, 3850877.25	0.00092	0.000186	6.45E-08	1.95E-07	1.54E-07	1.33E-07	5.99E-08	2.15E-09	5.20E-08	3.66E-08	3.16E-08	9.44E-09	1.32E-07
490863.09, 3850877.25	0.00092	0.000186	6.45E-08	1.95E-07	1.54E-07	1.33E-07	5.99E-08	2.15E-09	5.20E-08	3.66E-08	3.16E-08	9.44E-09	1.32E-07
491363.09, 3850877.25	0.00093	0.000188	6.52E-08	1.97E-07	1.56E-07	1.35E-07	6.05E-08	2.18E-09	5.26E-08	3.70E-08	3.20E-08	9.54E-09	1.33E-07
491863.09, 3850877.25	0.00088	0.000178	6.17E-08	1.86E-07	1.47E-07	1.27E-07	5.73E-08	2.06E-09	4.98E-08	3.50E-08	3.03E-08	9.03E-09	1.26E-07
492363.09, 3850877.25	0.00079	0.00016	5.54E-08	1.67E-07	1.32E-07	1.14E-07	5.14E-08	1.85E-09	4.47E-08	3.14E-08	2.72E-08	8.11E-09	1.13E-07
492863.09, 3850877.25	0.00073	0.000148	5.12E-08	1.55E-07	1.22E-07	1.06E-07	4.75E-08	1.71E-09	4.13E-08	2.90E-08	2.51E-08	7.49E-09	1.05E-07
493363.09, 3850877.25	0.0007	0.000142	4.91E-08	1.48E-07	1.17E-07	1.01E-07	4.55E-08	1.64E-09	3.96E-08	2.78E-08	2.41E-08	7.18E-09	1.00E-07
493863.09, 3850877.25	0.00073	0.000148	5.12E-08	1.55E-07	1.22E-07	1.06E-07	4.75E-08	1.71E-09	4.13E-08	2.90E-08	2.51E-08	7.49E-09	1.05E-07
494363.09, 3850877.25	0.00071	0.000144	4.98E-08	1.50E-07	1.19E-07	1.03E-07	4.62E-08	1.66E-09	4.02E-08	2.82E-08	2.44E-08	7.29E-09	1.02E-07
494863.09, 3850877.25	0.00069	0.00014	4.84E-08	1.46E-07	1.15E-07	9.98E-08	4.49E-08	1.62E-09	3.90E-08	2.74E-08	2.37E-08	7.08E-09	9.89E-08
495363.09, 3850877.25	0.00067	0.000136	4.70E-08	1.42E-07	1.12E-07	9.69E-08	4.36E-08	1.57E-09	3.79E-08	2.66E-08	2.30E-08	6.88E-09	9.60E-08
495863.09, 3850877.25	0.00066	0.000134	4.63E-08	1.40E-07	1.10E-07	9.55E-08	4.29E-08	1.55E-09	3.73E-08	2.62E-08	2.27E-08	6.77E-09	9.46E-08

496363.09, 3850877.25	0.00065	0.000132	4.56E-08	1.38E-07	1.09E-07	9.41E-08	4.23E-08	1.52E-09	3.68E-08	2.58E-08	2.23E-08	6.67E-09	9.31E-08
496863.09, 3850877.25	0.00064	0.00013	4.49E-08	1.35E-07	1.07E-07	9.26E-08	4.16E-08	1.50E-09	3.62E-08	2.54E-08	2.20E-08	6.57E-09	9.17E-08
497363.09, 3850877.25	0.00064	0.00013	4.49E-08	1.35E-07	1.07E-07	9.26E-08	4.16E-08	1.50E-09	3.62E-08	2.54E-08	2.20E-08	6.57E-09	9.17E-08
497863.09, 3850877.25	0.00064	0.00013	4.49E-08	1.35E-07	1.07E-07	9.26E-08	4.16E-08	1.50E-09	3.62E-08	2.54E-08	2.20E-08	6.57E-09	9.17E-08
498363.09, 3850877.25	0.00061	0.000124	4.28E-08	1.29E-07	1.02E-07	8.83E-08	3.97E-08	1.43E-09	3.45E-08	2.42E-08	2.10E-08	6.26E-09	8.74E-08
471363.09, 3851377.25	0.00114	0.000231	7.99E-08	2.41E-07	1.91E-07	1.65E-07	7.42E-08	2.67E-09	6.45E-08	4.53E-08	3.92E-08	1.17E-08	1.63E-07
471863.09, 3851377.25	0.00127	0.000257	8.90E-08	2.69E-07	2.12E-07	1.84E-07	8.26E-08	2.97E-09	7.18E-08	5.05E-08	4.37E-08	1.30E-08	1.82E-07
472363.09, 3851377.25	0.00123	0.000249	8.62E-08	2.60E-07	2.06E-07	1.78E-07	8.00E-08	2.88E-09	6.96E-08	4.89E-08	4.23E-08	1.26E-08	1.76E-07
472863.09, 3851377.25	0.00122	0.000247	8.55E-08	2.58E-07	2.04E-07	1.77E-07	7.94E-08	2.86E-09	6.90E-08	4.85E-08	4.19E-08	1.25E-08	1.75E-07
473363.09, 3851377.25	0.00115	0.000233	8.06E-08	2.43E-07	1.92E-07	1.66E-07	7.48E-08	2.69E-09	6.50E-08	4.57E-08	3.95E-08	1.18E-08	1.65E-07
473863.09, 3851377.25	0.0012	0.000243	8.41E-08	2.54E-07	2.01E-07	1.74E-07	7.81E-08	2.81E-09	6.79E-08	4.77E-08	4.13E-08	1.23E-08	1.72E-07
474363.09, 3851377.25	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
474863.09, 3851377.25	0.00172	0.000348	1.21E-07	3.64E-07	2.88E-07	2.49E-07	1.12E-07	4.03E-09	9.73E-08	6.83E-08	5.91E-08	1.77E-08	2.46E-07
475363.09, 3851377.25	0.00203	0.000411	1.42E-07	4.30E-07	3.39E-07	2.94E-07	1.32E-07	4.75E-09	1.15E-07	8.07E-08	6.98E-08	2.08E-08	2.91E-07
475863.09, 3851377.25	0.00225	0.000456	1.58E-07	4.76E-07	3.76E-07	3.26E-07	1.46E-07	5.27E-09	1.27E-07	8.94E-08	7.74E-08	2.31E-08	3.22E-07
476363.09, 3851377.25	0.00245	0.000496	1.72E-07	5.19E-07	4.10E-07	3.55E-07	1.59E-07	5.74E-09	1.39E-07	9.73E-08	8.42E-08	2.51E-08	3.51E-07
476863.09, 3851377.25	0.00245	0.000496	1.72E-07	5.19E-07	4.10E-07	3.55E-07	1.59E-07	5.74E-09	1.39E-07	9.73E-08	8.42E-08	2.51E-08	3.51E-07
477363.09, 3851377.25	0.00283	0.000573	1.98E-07	5.99E-07	4.73E-07	4.10E-07	1.84E-07	6.63E-09	1.60E-07	1.12E-07	9.73E-08	2.90E-08	4.05E-07
477863.09, 3851377.25	0.00278	0.000563	1.95E-07	5.89E-07	4.65E-07	4.02E-07	1.81E-07	6.51E-09	1.57E-07	1.10E-07	9.56E-08	2.85E-08	3.98E-07
478363.09, 3851377.25	0.00265	0.000537	1.86E-07	5.61E-07	4.43E-07	3.83E-07	1.72E-07	6.20E-09	1.50E-07	1.05E-07	9.11E-08	2.72E-08	3.80E-07
478863.09, 3851377.25	0.00284	0.000575	1.99E-07	6.01E-07	4.75E-07	4.11E-07	1.85E-07	6.65E-09	1.61E-07	1.13E-07	9.76E-08	2.91E-08	4.07E-07
479363.09, 3851377.25	0.00316	0.00064	2.22E-07	6.69E-07	5.28E-07	4.57E-07	2.06E-07	7.40E-09	1.79E-07	1.26E-07	1.09E-07	3.24E-08	4.53E-07
479863.09, 3851377.25	0.00366	0.000741	2.57E-07	7.75E-07	6.12E-07	5.30E-07	2.38E-07	8.57E-09	2.07E-07	1.45E-07	1.26E-07	3.76E-08	5.24E-07
480363.09, 3851377.25	0.00394	0.000798	2.76E-07	8.34E-07	6.59E-07	5.70E-07	2.56E-07	9.23E-09	2.23E-07	1.57E-07	1.35E-07	4.04E-08	5.65E-07
480863.09, 3851377.25	0.00379	0.000768	2.66E-07	8.02E-07	6.34E-07	5.48E-07	2.47E-07	8.87E-09	2.14E-07	1.51E-07	1.30E-07	3.89E-08	5.43E-07
481363.09, 3851377.25	0.00324	0.000656	2.27E-07	6.86E-07	5.42E-07	4.69E-07	2.11E-07	7.59E-09	1.83E-07	1.29E-07	1.11E-07	3.33E-08	4.64E-07
481863.09, 3851377.25	0.00267	0.000541	1.87E-07	5.65E-07	4.47E-07	3.86E-07	1.74E-07	6.25E-09	1.51E-07	1.06E-07	9.18E-08	2.74E-08	3.83E-07
482363.09, 3851377.25	0.00239	0.000484	1.68E-07	5.06E-07	4.00E-07	3.46E-07	1.56E-07	5.60E-09	1.35E-07	9.50E-08	8.22E-08	2.45E-08	3.42E-07
482863.09, 3851377.25	0.00189	0.000383	1.33E-07	4.00E-07	3.16E-07	2.73E-07	1.23E-07	4.43E-09	1.07E-07	7.51E-08	6.50E-08	1.94E-08	2.71E-07
483363.09, 3851377.25	0.00168	0.00034	1.18E-07	3.56E-07	2.81E-07	2.43E-07	1.09E-07	3.93E-09	9.50E-08	6.68E-08	5.78E-08	1.72E-08	2.41E-07
483863.09, 3851377.25	0.00162	0.000328	1.14E-07	3.43E-07	2.71E-07	2.34E-07	1.05E-07	3.79E-09	9.16E-08	6.44E-08	5.57E-08	1.66E-08	2.32E-07
484363.09, 3851377.25	0.0019	0.000385	1.33E-07	4.02E-07	3.18E-07	2.75E-07	1.24E-07	4.45E-09	1.07E-07	7.55E-08	6.53E-08	1.95E-08	2.72E-07
484863.09, 3851377.25	0.0016	0.000324	1.12E-07	3.39E-07	2.68E-07	2.32E-07	1.04E-07	3.75E-09	9.05E-08	6.36E-08	5.50E-08	1.64E-08	2.29E-07
485363.09, 3851377.25	0.00166	0.000336	1.16E-07	3.51E-07	2.78E-07	2.40E-07	1.08E-07	3.89E-09	9.39E-08	6.60E-08	5.71E-08	1.70E-08	2.38E-07
485863.09, 3851377.25	0.00145	0.000294	1.02E-07	3.07E-07	2.42E-07	2.10E-07	9.43E-08	3.40E-09	8.20E-08	5.76E-08	4.99E-08	1.49E-08	2.08E-07
486363.09, 3851377.25	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
486863.09, 3851377.25	0.00135	0.000273	9.47E-08	2.86E-07	2.26E-07	1.95E-07	8.78E-08	3.16E-09	7.64E-08	5.36E-08	4.64E-08	1.39E-08	1.93E-07
487363.09, 3851377.25	0.00125	0.000253	8.76E-08	2.65E-07	2.09E-07	1.81E-07	8.13E-08	2.93E-09	7.07E-08	4.97E-08	4.30E-08	1.28E-08	1.79E-07
487863.09, 3851377.25	0.00118	0.000239	8.27E-08	2.50E-07	1.97E-07	1.71E-07	7.68E-08	2.76E-09	6.67E-08	4.69E-08	4.06E-08	1.21E-08	1.69E-07
488363.09, 3851377.25	0.00109	0.000221	7.64E-08	2.31E-07	1.82E-07	1.58E-07	7.09E-08	2.55E-09	6.16E-08	4.33E-08	3.75E-08	1.12E-08	1.56E-07
488863.09, 3851377.25	0.00109	0.000221	7.64E-08	2.31E-07	1.82E-07	1.58E-07	7.09E-08	2.55E-09	6.16E-08	4.33E-08	3.75E-08	1.12E-08	1.56E-07
489363.09, 3851377.25	0.00108	0.000219	7.57E-08	2.29E-07	1.81E-07	1.56E-07	7.03E-08	2.53E-09	6.11E-08	4.29E-08	3.71E-08	1.11E-08	1.55E-07
489863.09, 3851377.25	0.00105	0.000213	7.36E-08	2.22E-07	1.76E-07	1.52E-07	6.83E-08	2.46E-09	5.94E-08	4.17E-08	3.61E-08	1.08E-08	1.50E-07
490363.09, 3851377.25	0.00099	0.000201	6.94E-08	2.10E-07	1.66E-07	1.43E-07	6.44E-08	2.32E-09	5.60E-08	3.93E-08	3.40E-08	1.02E-08	1.42E-07
490863.09, 3851377.25	0.00097	0.000196	6.80E-08	2.05E-07	1.62E-07	1.40E-07	6.31E-08	2.27E-09	5.49E-08	3.85E-08	3.33E-08	9.96E-09	1.39E-07
491363.09, 3851377.25	0.00099	0.000201	6.94E-08	2.10E-07	1.66E-07	1.43E-07	6.44E-08	2.32E-09	5.60E-08	3.93E-08	3.40E-08	1.02E-08	1.42E-07
491863.09, 3851377.25	0.00096	0.000194	6.73E-08	2.03E-07	1.61E-07	1.39E-07	6.25E-08	2.25E-09	5.43E-08	3.81E-08	3.30E-08	9.85E-09	1.38E-07
492363.09, 3851377.25	0.00089	0.00018	6.24E-08	1.88E-07	1.49E-07	1.29E-07	5.79E-08	2.08E-09	5.03E-08	3.54E-08	3.06E-08	9.13E-09	1.28E-07
492863.09, 3851377.25	0.00081	0.000164	5.68E-08	1.71E-07	1.35E-07	1.17E-07	5.27E-08	1.90E-09	4.58E-08	3.22E-08	2.78E-08	8.31E-09	1.16E-07
493363.09, 3851377.25	0.00074	0.00015	5.19E-08	1.57E-07	1.24E-07	1.07E-07	4.81E-08	1.73E-09	4.19E-08	2.94E-08	2.54E-08	7.59E-09	1.06E-07
493863.09, 3851377.25	0.00076	0.000154	5.33E-08	1.61E-07	1.27E-07	1.10E-07	4.95E-08	1.78E-09	4.30E-08	3.02E-08	2.61E-08	7.80E-09	1.09E-07
494363.09, 3851377.25	0.0008	0.000162	5.61E-08	1.69E-07	1.34E-07	1.16E-07	5.21E-08	1.87E-09	4.52E-08	3.18E-08	2.75E-08	8.21E-09	1.15E-07
494863.09, 3851377.25	0.00075	0.000152	5.26E-08	1.59E-07	1.25E-07	1.09E-07	4.88E-08	1.76E-09	4.24E-08	2.98E-08	2.58E-08	7.70E-09	1.07E-07
495363.09, 3851377.25	0.00075	0.000152	5.26E-08	1.59E-07	1.25E-07	1.09E-07	4.88E-08	1.76E-09	4.24E-08	2.98E-08	2.58E-08	7.70E-09	1.07E-07
495863.09, 3851377.25	0.00074	0.00015	5.19E-08	1.57E-07	1.24E-07	1.07E-07	4.81E-08	1.73E-09	4.19E-08	2.94E-08	2.54E-08	7.59E-09	1.06E-07
496363.09, 3851377.25	0.00072	0.000146	5.05E-08	1.52E-07	1.20E-07	1.04E-07	4.68E-08	1.69E-09	4.07E-08	2.86E-08	2.48E-08	7.39E-09	1.03E-07
496863.09, 3851377.25	0.00069	0.00014	4.84E-08	1.46E-07	1.15E-07	9.98E-08	4.49E-08	1.62E-09	3.90E-08	2.74E-08	2.37E-08	7.08E-09	9.89E-08
497363.09, 3851377.25	0.00069	0.00014	4.84E-08	1.46E-07	1.15E-07	9.98E-08	4.49E-08	1.62E-09	3.90E-08	2.74E-08	2.37E-08	7.08E-09	9.89E-08
497863.09, 3851377.25	0.00068	0.000138	4.77E-08	1.44E-07	1.14E-07	9.84E-08	4.42E-08	1.59E-09	3.85E-08	2.70E-08	2.34E-08	6.98E-09	9.74E-08
498363.09, 3851377.25	0.00064	0.00013	4.49E-08	1.35E-07	1.07E-07	9.26E-08	4.16E-08	1.50E-09	3.62E-08	2.54E-08	2.20E-08	6.57E-09	9.17E-08
471363.09, 3851877.25	0.00137	0.000277	9.61E-08	2.90E-07	2.29E-07	1.98E-07	8.91E-08	3.21E-09	7.75E-08	5.44E-08	4.71E-08	1.41E-08	1.96E-07
471863.09, 3851877.25	0.00127	0.000257	8.90E-08	2.69E-07	2.12E-07	1.84E-07	8.26E-08	2.97E-09	7.18E-08	5.05E-08	4.37E-08	1.30E-08	1.82E-07
472363.09, 3851877.25	0.00131	0.000265	9.19E-08	2.77E-07	2.19E-07	1.90E-07	8.52E-08	3.07E-09	7.41E-08	5.21E-08	4.50E-08	1.34E-08	1.88E-07
472863.09, 3851877.25	0.00133	0.000269	9.33E-08	2.82E-07	2.22E-07	1.92E-07	8.65E-08	3.11E-09	7.52E-08	5.28E-08	4.57E-08	1.36E-08	1.91E-07
473363.09, 3851877.25	0.00122	0.000247	8.55E-08	2.58E-07	2.04E-07	1.77E-07	7.94E-08	2.86E-09	6.90E-08	4.85E-08	4.19E-08	1.25E-08	1.75E-07
473863.09, 3851877.25	0.0012	0.000243	8.41E-08	2.54E-07	2.01E-07	1.74E-07	7.81E-08	2.81E-09	6.79E-08	4.77E-08	4.13E-08	1.23E-08	1.72E-07
474363.09, 3851877.25	0.00132	0.000267	9.26E-08	2.79E-07	2.21E-07	1.91E-07	8.59E-08	3.09E-09	7.47E-08	5.24E-08	4.54E-08	1.35E-08	1.89E-07
474863.09, 3851877.25	0.00151	0.000306	1.06E-07	3.20E-07	2.53E-07	2.18E-07	9.83E-08	3.54E-09	8.54E-08	6.00E-08	5.19E-08	1.55E-08	2.16E-07
475363.09, 3851877.25	0.00169	0.000342	1.18E-07	3.58E-07	2.83E-07	2.45E-07	1.10E-07	3.96E-09	9.56E-08	6.72E-08	5.81E-08	1.73E-08	2.42E-07
475863.09, 3851877.25	0.00182	0.000369	1.28E-07	3.85E-07	3.04E-07	2.63E-07	1.18E-07	4.26E-09	1.03E-07	7.23E-08	6.26E-08	1.87E-08	2.61E-07
476363.09, 3851877.25	0.0018	0.000365	1.26E-07	3.81E-07	3.01E-07	2.60E-07	1.17E-07	4.21E-09	1.02E-07	7.15E-08	6.19E-08	1.85E-08	2.58E-07
476863.09, 3851877.25	0.00207	0.000419	1.45E-07	4.38E-07	3.46E-07	3.00E-07	1.35E-07	4.85E-09	1.17E-07	8.22E-08	7.12E-08	2.12E-08	2.97E-07
477363.09, 3851877.25	0.00232	0.00047	1.63E-07	4.91E-07	3.88E-07	3.36E-07	1.51E-07	5.43E-09	1.31E-07	9.22E-08	7.98E-08	2.38E-08	3.32E-07
477863.09, 3851877.25	0.00236	0.000478	1.65E-07	5.00E-07	3.95E-07	3.41E-07	1.54E-07	5.53E-09	1.33E-07	9.38E-08	8.11E-08	2.42E-08	3.38E-07
478363.09, 3851877.25	0.00231	0.000468	1.62E-07	4.89E-07	3.86E-07	3.34E-07	1.50E-07	5.41E-09	1.31E-07	9.18E-08	7.94E-08	2.37E-08	3.31E-07
478863.09, 3851877.25	0.00237	0.00048	1.66E-07	5.02E-07	3.96E-07	3.43E-07	1.54E-07	5.55E-09	1.34E-07	9.42E-08	8.15E-08	2.43E-08	3.40E-07
479363.09, 3851877.25	0.00282	0.000571	1.98E-07	5.97E-07	4.72E-07	4.08E-07	1.83E-07	6.60E-09	1.59E-07	1.12E-07	9.70E-08	2.89E-08	4.04E-07
479863.09, 3851877.25	0.00333	0.000675	2.33E-07	7.05E-07	5.57E-07	4.82E-07	2.17E-07	7.80E-09	1.88E-07	1.32E-07	1.14E-07	3.42E-08	4.77E-07
480363.09, 3851877.25	0.00373	0.000756	2.62E-07	7.90E-07	6.24E-07	5.40E-07	2.43E-07	8.73E-09	2.11E-07	1.48E-07	1.28E-07	3.83E-08	5.34E-07
480863.09, 3851877.25	0.00425	0.000861	2.98E-07	9.00E-07	7.11E-07	6.15E-07	2.77E-07	9.95E-09	2.40E-07	1.69E-07	1.46E-07	4.36E-08	6.09E-07
481363.09, 3851877.25	0.00448	0.000907	3.14E-07	9.48E-07	7.49E-07	6.48E-07	2.91E-07	1.05E-08	2.53E-07	1.78E-07	1.54E-07	4.60E-08	6.42E-07
481863.09, 3851877.25	0.00345	0.000699	2.42E-07	7.30E-07	5.77E-07	4.99E-07	2.24E-07	8.08E-09	1.95E-07	1.37E-07	1.19E-07	3.54E-08	4.94E-07
482363.09, 3851877.25	0.00233	0.000472	1.63E-07	4.93E-07	3.90E-07	3.37E-07	1.52E-07	5.46E-09	1.32E-07	9.26E-08	8.01E-08	2.39E-08	3.34E-07
482863.09, 3851877.25	0.00191	0.000387	1.34E-07	4.04E-07	3.19E-07	2.76E-07	1.24E-07	4.47E-09	1.08E-07	7.59E-08	6.57E-08	1.96E-08	2.74E-07
483363.09, 3851877.25	0.00195	0.000395	1.37E-07	4.13E-07	3.26E-07	2.82E-07	1.27E-07	4.57E-09	1.10E-07	7.75E-08	6.70E-08	2.00E-08	2.79E-07
483863.09, 3851877.25	0.00192	0.000389	1.35E-07	4.06E-07	3.21E-07	2.78E-07	1.25E-07	4.50E-09	1.09E-07	7.63E-08	6.60E-08	1.97E-08	2.75E-07
484363.09, 3851877.25	0.00221	0.000448	1.55E-07	4.68E-07	3.70E-07	3.20E-07	1.44E-07	5.17E-09	1.25E-07	8.78E-08	7.60E-08	2.27E-08	3.17E-07
484863.09, 3851877.25	0.00207	0.000419	1.45E-07	4.38E-07	3.46E-07	3.00E-07	1.35E-07	4.85E-09	1.17E-07	8.22E-08	7.12E-08	2.12E-08	2.97E-07
485363.09, 3851877.25	0.002	0.000405	1.40E-07	4.23E-07	3.34E-07	2.89E-07	1.30E-07	4.68E-09	1.13E-07	7.95E-08	6.88E-08	2.05E-08	2.87E-07
485863.09, 3851877.25	0.00186	0.000377	1.30E-07	3.94E-07	3.11E-07	2.69E-07	1.21E-07	4.36E-09	1.05E-07	7.39E-08	6.39E-08	1.91E-08	2.66E-07
486363.09, 3851877.25	0.00161	0.000326	1.13E-07	3.41E-07	2.69E-07	2.33E-07	1.05E-07	3.77E-09	9.11E-08	6.40E-08	5.54E-08	1.65E-08	2.31E-07
486863.09, 3851877.25	0.0015	0.000304	1.05E-07	3.18E-07	2.51E-07	2.17E-07	9.76E-08	3.51E-09	8.48E-08	5.96E-08	5.16E-08	1.54E-08	2.15E-07
487363.09, 3851877.25	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
487863.09, 3851877.25	0.00131	0.000265	9.19E-08	2.77E-07	2.19E-07	1.90E-07	8.52E-08	3.07E-09	7.41E-08	5.21E-08	4.50E-08	1.34E-08	1.88E-07
488363.09, 3851877.25	0.0012	0.000243	8.41E-08	2.54E-07	2.01E-07	1.74E-07	7.81E-08	2.81E-09	6.79E-08	4.77E-08	4.13E-08	1.23E-08	1.72E-07
488863.09, 3851877.25	0.00112	0.000227	7.85E-08	2.37E-07	1.87E-07	1.62E-07	7.29E-08	2.62E-09	6.33E-08	4.45E-08	3.85E-08	1.15E-08	1.60E-07
489363.09, 3851877.25	0.00111	0.000225	7.78E-08	2.35E-07	1.86E-07	1.61E-07	7.22E-08	2.60E-09	6.28E-08	4.41E-08	3.82E-08	1.14E-08	1.59E-07
489863.09, 3851877.25	0.00108	0.000219	7.57E-08	2.29E-07	1.81E-07	1.56E-07	7.03E-08	2.53E-09	6.11E-08	4.29E-08	3.71E-08	1.11E-08	1.55E-07
490363.09, 3851877.25	0.00104	0.000211	7.29E-08	2.20E-07	1.74E-07	1.50E-07	6.77E-08	2.44E-09	5.88E-08	4.13E-08	3.58E-08	1.07E-08	1.49E-07

490863.09, 3851877.25	0.00102	0.000207	7.15E-08	2.16E-07	1.71E-07	1.48E-07	6.64E-08	2.39E-09	5.77E-08	4.05E-08	3.51E-08	1.05E-08	1.46E-07
491363.09, 3851877.25	0.00104	0.000211	7.29E-08	2.20E-07	1.74E-07	1.50E-07	6.77E-08	2.44E-09	5.88E-08	4.13E-08	3.58E-08	1.07E-08	1.49E-07
491863.09, 3851877.25	0.00106	0.000215	7.43E-08	2.24E-07	1.77E-07	1.53E-07	6.90E-08	2.48E-09	6.00E-08	4.21E-08	3.64E-08	1.09E-08	1.52E-07
492363.09, 3851877.25	0.00099	0.000201	6.94E-08	2.10E-07	1.66E-07	1.43E-07	6.44E-08	2.32E-09	5.60E-08	3.93E-08	3.40E-08	1.02E-08	1.42E-07
492863.09, 3851877.25	0.00086	0.000174	6.03E-08	1.82E-07	1.44E-07	1.24E-07	5.60E-08	2.01E-09	4.86E-08	3.42E-08	2.96E-08	8.83E-09	1.23E-07
493363.09, 3851877.25	0.00086	0.000174	6.03E-08	1.82E-07	1.44E-07	1.24E-07	5.60E-08	2.01E-09	4.86E-08	3.42E-08	2.96E-08	8.83E-09	1.23E-07
493863.09, 3851877.25	0.00091	0.000184	6.38E-08	1.93E-07	1.52E-07	1.32E-07	5.92E-08	2.13E-09	5.15E-08	3.62E-08	3.13E-08	9.34E-09	1.30E-07
494363.09, 3851877.25	0.0009	0.000182	6.31E-08	1.91E-07	1.51E-07	1.30E-07	5.86E-08	2.11E-09	5.09E-08	3.58E-08	3.09E-08	9.24E-09	1.29E-07
494863.09, 3851877.25	0.00087	0.000176	6.10E-08	1.84E-07	1.45E-07	1.26E-07	5.66E-08	2.04E-09	4.92E-08	3.46E-08	2.99E-08	8.93E-09	1.25E-07
495363.09, 3851877.25	0.00084	0.00017	5.89E-08	1.78E-07	1.40E-07	1.22E-07	5.47E-08	1.97E-09	4.75E-08	3.34E-08	2.89E-08	8.62E-09	1.20E-07
495863.09, 3851877.25	0.00082	0.000166	5.75E-08	1.74E-07	1.37E-07	1.19E-07	5.34E-08	1.92E-09	4.64E-08	3.26E-08	2.82E-08	8.42E-09	1.17E-07
496363.09, 3851877.25	0.00079	0.00016	5.54E-08	1.67E-07	1.32E-07	1.14E-07	5.14E-08	1.85E-09	4.47E-08	3.14E-08	2.72E-08	8.11E-09	1.13E-07
496863.09, 3851877.25	0.00075	0.000152	5.26E-08	1.59E-07	1.25E-07	1.09E-07	4.88E-08	1.76E-09	4.24E-08	2.98E-08	2.58E-08	7.70E-09	1.07E-07
497363.09, 3851877.25	0.00074	0.00015	5.19E-08	1.57E-07	1.24E-07	1.07E-07	4.81E-08	1.73E-09	4.19E-08	2.94E-08	2.54E-08	7.59E-09	1.06E-07
497863.09, 3851877.25	0.00071	0.000144	4.98E-08	1.50E-07	1.19E-07	1.03E-07	4.62E-08	1.66E-09	4.02E-08	2.82E-08	2.44E-08	7.29E-09	1.02E-07
498363.09, 3851877.25	0.00067	0.000136	4.70E-08	1.42E-07	1.12E-07	9.69E-08	4.36E-08	1.57E-09	3.79E-08	2.66E-08	2.30E-08	6.88E-09	9.60E-08
471363.09, 3852377.25	0.00125	0.000253	8.76E-08	2.65E-07	2.09E-07	1.81E-07	8.13E-08	2.93E-09	7.07E-08	4.97E-08	4.30E-08	1.28E-08	1.79E-07
471863.09, 3852377.25	0.0014	0.000284	9.82E-08	2.96E-07	2.34E-07	2.03E-07	9.11E-08	3.28E-09	7.92E-08	5.56E-08	4.81E-08	1.44E-08	2.01E-07
472363.09, 3852377.25	0.00148	0.0003	1.04E-07	3.13E-07	2.48E-07	2.14E-07	9.63E-08	3.47E-09	8.37E-08	5.88E-08	5.09E-08	1.52E-08	2.12E-07
472863.09, 3852377.25	0.00148	0.0003	1.04E-07	3.13E-07	2.48E-07	2.14E-07	9.63E-08	3.47E-09	8.37E-08	5.88E-08	5.09E-08	1.52E-08	2.12E-07
473363.09, 3852377.25	0.00142	0.000288	9.96E-08	3.01E-07	2.37E-07	2.05E-07	9.24E-08	3.32E-09	8.03E-08	5.64E-08	4.88E-08	1.46E-08	2.03E-07
473863.09, 3852377.25	0.00136	0.000275	9.54E-08	2.88E-07	2.27E-07	1.97E-07	8.85E-08	3.18E-09	7.69E-08	5.40E-08	4.68E-08	1.40E-08	1.95E-07
474363.09, 3852377.25	0.00132	0.000267	9.26E-08	2.79E-07	2.21E-07	1.91E-07	8.59E-08	3.09E-09	7.47E-08	5.24E-08	4.54E-08	1.35E-08	1.89E-07
474863.09, 3852377.25	0.00151	0.000306	1.06E-07	3.20E-07	2.53E-07	2.18E-07	9.83E-08	3.54E-09	8.54E-08	6.00E-08	5.19E-08	1.55E-08	2.16E-07
475363.09, 3852377.25	0.00152	0.000308	1.07E-07	3.22E-07	2.54E-07	2.20E-07	9.89E-08	3.56E-09	8.60E-08	6.04E-08	5.23E-08	1.56E-08	2.18E-07
475863.09, 3852377.25	0.00154	0.000312	1.08E-07	3.26E-07	2.58E-07	2.23E-07	1.00E-07	3.61E-09	8.71E-08	6.12E-08	5.29E-08	1.58E-08	2.21E-07
476363.09, 3852377.25	0.00152	0.000308	1.07E-07	3.22E-07	2.54E-07	2.20E-07	9.89E-08	3.56E-09	8.60E-08	6.04E-08	5.23E-08	1.56E-08	2.18E-07
476863.09, 3852377.25	0.00162	0.000328	1.14E-07	3.43E-07	2.71E-07	2.34E-07	1.05E-07	3.79E-09	9.16E-08	6.44E-08	5.57E-08	1.66E-08	2.32E-07
477363.09, 3852377.25	0.00168	0.00034	1.18E-07	3.56E-07	2.81E-07	2.43E-07	1.09E-07	3.93E-09	9.50E-08	6.68E-08	5.78E-08	1.72E-08	2.41E-07
477863.09, 3852377.25	0.00162	0.000328	1.14E-07	3.43E-07	2.71E-07	2.34E-07	1.05E-07	3.79E-09	9.16E-08	6.44E-08	5.57E-08	1.66E-08	2.32E-07
478363.09, 3852377.25	0.00155	0.000314	1.09E-07	3.28E-07	2.59E-07	2.24E-07	1.01E-07	3.63E-09	8.77E-08	6.16E-08	5.33E-08	1.59E-08	2.22E-07
478863.09, 3852377.25	0.00172	0.000348	1.21E-07	3.64E-07	2.88E-07	2.49E-07	1.12E-07	4.03E-09	9.73E-08	6.83E-08	5.91E-08	1.77E-08	2.46E-07
479363.09, 3852377.25	0.00183	0.000371	1.28E-07	3.87E-07	3.06E-07	2.65E-07	1.19E-07	4.28E-09	1.03E-07	7.27E-08	6.29E-08	1.88E-08	2.62E-07
479863.09, 3852377.25	0.00236	0.000478	1.65E-07	5.00E-07	3.95E-07	3.41E-07	1.54E-07	5.53E-09	1.33E-07	9.38E-08	8.11E-08	2.42E-08	3.38E-07
480363.09, 3852377.25	0.00353	0.000715	2.48E-07	7.47E-07	5.90E-07	5.11E-07	2.30E-07	8.27E-09	2.00E-07	1.40E-07	1.21E-07	3.62E-08	5.06E-07
480863.09, 3852377.25	0.0039	0.00079	2.73E-07	8.26E-07	6.52E-07	5.64E-07	2.54E-07	9.13E-09	2.21E-07	1.55E-07	1.34E-07	4.00E-08	5.59E-07
481363.09, 3852377.25	0.00444	0.000899	3.11E-07	9.40E-07	7.43E-07	6.42E-07	2.89E-07	1.04E-08	2.51E-07	1.76E-07	1.53E-07	4.56E-08	6.36E-07
481863.09, 3852377.25	0.00492	0.000997	3.45E-07	1.04E-06	8.23E-07	7.12E-07	3.20E-07	1.15E-08	2.78E-07	1.95E-07	1.69E-07	5.05E-08	7.05E-07
482363.09, 3852377.25	0.00383	0.000776	2.69E-07	8.11E-07	6.40E-07	5.54E-07	2.49E-07	8.97E-09	2.17E-07	1.52E-07	1.32E-07	3.93E-08	5.49E-07
482863.09, 3852377.25	0.0029	0.000587	2.03E-07	6.14E-07	4.85E-07	4.20E-07	1.89E-07	6.79E-09	1.64E-07	1.15E-07	9.97E-08	2.98E-08	4.16E-07
483363.09, 3852377.25	0.00225	0.000456	1.58E-07	4.76E-07	3.76E-07	3.26E-07	1.46E-07	5.27E-09	1.27E-07	8.94E-08	7.74E-08	2.31E-08	3.22E-07
483863.09, 3852377.25	0.00211	0.000427	1.48E-07	4.47E-07	3.53E-07	3.05E-07	1.37E-07	4.94E-09	1.19E-07	8.38E-08	7.25E-08	2.17E-08	3.02E-07
484363.09, 3852377.25	0.00239	0.000484	1.68E-07	5.06E-07	4.00E-07	3.46E-07	1.56E-07	5.60E-09	1.35E-07	9.50E-08	8.22E-08	2.45E-08	3.42E-07
484863.09, 3852377.25	0.00256	0.000519	1.79E-07	5.42E-07	4.28E-07	3.70E-07	1.67E-07	5.99E-09	1.45E-07	1.02E-07	8.80E-08	2.63E-08	3.67E-07
485363.09, 3852377.25	0.00262	0.000531	1.84E-07	5.55E-07	4.38E-07	3.79E-07	1.70E-07	6.13E-09	1.48E-07	1.04E-07	9.01E-08	2.69E-08	3.75E-07
485863.09, 3852377.25	0.00225	0.000456	1.58E-07	4.76E-07	3.76E-07	3.26E-07	1.46E-07	5.27E-09	1.27E-07	8.94E-08	7.74E-08	2.31E-08	3.22E-07
486363.09, 3852377.25	0.00187	0.000379	1.31E-07	3.96E-07	3.13E-07	2.71E-07	1.22E-07	4.38E-09	1.06E-07	7.43E-08	6.43E-08	1.92E-08	2.68E-07
486863.09, 3852377.25	0.00166	0.000336	1.16E-07	3.51E-07	2.78E-07	2.40E-07	1.08E-07	3.89E-09	9.39E-08	6.60E-08	5.71E-08	1.70E-08	2.38E-07
487363.09, 3852377.25	0.00149	0.000302	1.04E-07	3.15E-07	2.49E-07	2.16E-07	9.69E-08	3.49E-09	8.43E-08	5.92E-08	5.12E-08	1.53E-08	2.13E-07
487863.09, 3852377.25	0.0014	0.000284	9.82E-08	2.96E-07	2.34E-07	2.03E-07	9.11E-08	3.28E-09	7.92E-08	5.56E-08	4.81E-08	1.44E-08	2.01E-07
488363.09, 3852377.25	0.00132	0.000267	9.26E-08	2.79E-07	2.21E-07	1.91E-07	8.59E-08	3.09E-09	7.47E-08	5.24E-08	4.54E-08	1.35E-08	1.89E-07
488863.09, 3852377.25	0.00118	0.000239	8.27E-08	2.50E-07	1.97E-07	1.71E-07	7.68E-08	2.76E-09	6.67E-08	4.69E-08	4.06E-08	1.21E-08	1.69E-07
489363.09, 3852377.25	0.00113	0.000229	7.92E-08	2.39E-07	1.89E-07	1.64E-07	7.35E-08	2.65E-09	6.39E-08	4.49E-08	3.89E-08	1.16E-08	1.62E-07
489863.09, 3852377.25	0.0011	0.000223	7.71E-08	2.33E-07	1.84E-07	1.59E-07	7.16E-08	2.58E-09	6.22E-08	4.37E-08	3.78E-08	1.13E-08	1.58E-07
490363.09, 3852377.25	0.00109	0.000221	7.64E-08	2.31E-07	1.82E-07	1.58E-07	7.09E-08	2.55E-09	6.16E-08	4.33E-08	3.75E-08	1.12E-08	1.56E-07
490863.09, 3852377.25	0.00108	0.000219	7.57E-08	2.29E-07	1.81E-07	1.56E-07	7.03E-08	2.53E-09	6.11E-08	4.29E-08	3.71E-08	1.11E-08	1.55E-07
491363.09, 3852377.25	0.00112	0.000227	7.85E-08	2.37E-07	1.87E-07	1.62E-07	7.29E-08	2.62E-09	6.33E-08	4.45E-08	3.85E-08	1.15E-08	1.60E-07
491863.09, 3852377.25	0.00116	0.000235	8.13E-08	2.46E-07	1.94E-07	1.68E-07	7.55E-08	2.72E-09	6.56E-08	4.61E-08	3.99E-08	1.19E-08	1.66E-07
492363.09, 3852377.25	0.00114	0.000231	7.99E-08	2.41E-07	1.91E-07	1.65E-07	7.42E-08	2.67E-09	6.45E-08	4.53E-08	3.92E-08	1.17E-08	1.63E-07
492863.09, 3852377.25	0.00109	0.000221	7.64E-08	2.31E-07	1.82E-07	1.58E-07	7.09E-08	2.55E-09	6.16E-08	4.33E-08	3.75E-08	1.12E-08	1.56E-07
493363.09, 3852377.25	0.00104	0.000211	7.29E-08	2.20E-07	1.74E-07	1.50E-07	6.77E-08	2.44E-09	5.88E-08	4.13E-08	3.58E-08	1.07E-08	1.49E-07
493863.09, 3852377.25	0.00101	0.000205	7.08E-08	2.14E-07	1.69E-07	1.46E-07	6.57E-08	2.36E-09	5.71E-08	4.01E-08	3.47E-08	1.04E-08	1.45E-07
494363.09, 3852377.25	0.00103	0.000209	7.22E-08	2.18E-07	1.72E-07	1.49E-07	6.70E-08	2.41E-09	5.83E-08	4.09E-08	3.54E-08	1.06E-08	1.48E-07
494863.09, 3852377.25	0.00099	0.000201	6.94E-08	2.10E-07	1.66E-07	1.43E-07	6.44E-08	2.32E-09	5.60E-08	3.93E-08	3.40E-08	1.02E-08	1.42E-07
495363.09, 3852377.25	0.00095	0.000192	6.66E-08	2.01E-07	1.59E-07	1.37E-07	6.18E-08	2.22E-09	5.37E-08	3.77E-08	3.27E-08	9.75E-09	1.36E-07
495863.09, 3852377.25	0.00089	0.00018	6.24E-08	1.88E-07	1.49E-07	1.29E-07	5.79E-08	2.08E-09	5.03E-08	3.54E-08	3.06E-08	9.13E-09	1.28E-07
496363.09, 3852377.25	0.00085	0.000172	5.96E-08	1.80E-07	1.42E-07	1.23E-07	5.53E-08	1.99E-09	4.81E-08	3.38E-08	2.92E-08	8.72E-09	1.22E-07
496863.09, 3852377.25	0.00081	0.000164	5.68E-08	1.71E-07	1.35E-07	1.17E-07	5.27E-08	1.90E-09	4.58E-08	3.22E-08	2.78E-08	8.31E-09	1.16E-07
497363.09, 3852377.25	0.00078	0.000158	5.47E-08	1.65E-07	1.30E-07	1.13E-07	5.08E-08	1.83E-09	4.41E-08	3.10E-08	2.68E-08	8.01E-09	1.12E-07
497863.09, 3852377.25	0.00073	0.000148	5.12E-08	1.55E-07	1.22E-07	1.06E-07	4.75E-08	1.71E-09	4.13E-08	2.90E-08	2.51E-08	7.49E-09	1.05E-07
498363.09, 3852377.25	0.00069	0.00014	4.84E-08	1.46E-07	1.15E-07	9.98E-08	4.49E-08	1.62E-09	3.90E-08	2.74E-08	2.37E-08	7.08E-09	9.89E-08
471363.09, 3852877.25	0.00121	0.000245	8.48E-08	2.56E-07	2.02E-07	1.75E-07	7.87E-08	2.83E-09	6.84E-08	4.81E-08	4.16E-08	1.24E-08	1.73E-07
471863.09, 3852877.25	0.0013	0.000263	9.12E-08	2.75E-07	2.17E-07	1.88E-07	8.46E-08	3.04E-09	7.35E-08	5.17E-08	4.47E-08	1.33E-08	1.86E-07
472363.09, 3852877.25	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
472863.09, 3852877.25	0.00156	0.000316	1.09E-07	3.30E-07	2.61E-07	2.26E-07	1.02E-07	3.65E-09	8.82E-08	6.20E-08	5.36E-08	1.60E-08	2.24E-07
473363.09, 3852877.25	0.00167	0.000338	1.17E-07	3.54E-07	2.79E-07	2.42E-07	1.09E-07	3.91E-09	9.44E-08	6.64E-08	5.74E-08	1.71E-08	2.39E-07
473863.09, 3852877.25	0.00173	0.00035	1.21E-07	3.66E-07	2.89E-07	2.50E-07	1.13E-07	4.05E-09	9.78E-08	6.87E-08	5.95E-08	1.78E-08	2.48E-07
474363.09, 3852877.25	0.00172	0.000348	1.21E-07	3.64E-07	2.88E-07	2.49E-07	1.12E-07	4.03E-09	9.73E-08	6.83E-08	5.91E-08	1.77E-08	2.46E-07
474863.09, 3852877.25	0.00152	0.000308	1.07E-07	3.22E-07	2.54E-07	2.20E-07	9.89E-08	3.56E-09	8.60E-08	6.04E-08	5.23E-08	1.56E-08	2.18E-07
475363.09, 3852877.25	0.00153	0.00031	1.07E-07	3.24E-07	2.56E-07	2.21E-07	9.96E-08	3.58E-09	8.65E-08	6.08E-08	5.26E-08	1.57E-08	2.19E-07
475863.09, 3852877.25	0.00149	0.000302	1.04E-07	3.15E-07	2.49E-07	2.16E-07	9.69E-08	3.49E-09	8.43E-08	5.92E-08	5.12E-08	1.53E-08	2.13E-07
476363.09, 3852877.25	0.00141	0.000286	9.89E-08	2.99E-07	2.36E-07	2.04E-07	9.17E-08	3.30E-09	7.97E-08	5.60E-08	4.85E-08	1.45E-08	2.02E-07
476863.09, 3852877.25	0.00132	0.000267	9.26E-08	2.79E-07	2.21E-07	1.91E-07	8.59E-08	3.09E-09	7.47E-08	5.24E-08	4.54E-08	1.35E-08	1.89E-07
477363.09, 3852877.25	0.00128	0.000259	8.97E-08	2.71E-07	2.14E-07	1.85E-07	8.33E-08	3.00E-09	7.24E-08	5.09E-08	4.40E-08	1.31E-08	1.83E-07
477863.09, 3852877.25	0.00126	0.000255	8.83E-08	2.67E-07	2.11E-07	1.82E-07	8.20E-08	2.95E-09	7.13E-08	5.01E-08	4.33E-08	1.29E-08	1.81E-07
478363.09, 3852877.25	0.00124	0.000251	8.69E-08	2.63E-07	2.07E-07	1.79E-07	8.07E-08	2.90E-09	7.01E-08	4.93E-08	4.26E-08	1.27E-08	1.78E-07
478863.09, 3852877.25	0.00136	0.000275	9.54E-08	2.88E-07	2.27E-07	1.97E-07	8.85E-08	3.18E-09	7.69E-08	5.40E-08	4.68E-08	1.40E-08	1.95E-07
479363.09, 3852877.25	0.00152	0.000308	1.07E-07	3.22E-07	2.54E-07	2.20E-07	9.89E-08	3.56E-09	8.60E-08	6.04E-08	5.23E-08	1.56E-08	2.18E-07
479863.09, 3852877.25	0.00199	0.000403	1.40E-07	4.21E-07	3.33E-07	2.88E-07	1.29E-07	4.66E-09	1.13E-07	7.91E-08	6.84E-08	2.04E-08	2.85E-07
480363.09, 3852877.25	0.00306	0.00062	2.15E-07	6.48E-07	5.12E-07	4.43E-07	1.99E-07	7.16E-09	1.73E-07	1.22E-07	1.05E-07	3.14E-08	4.38E-07
480863.09, 3852877.25	0.00329	0.000666	2.31E-07	6.97E-07	5.50E-07	4.76E-07	2.14E-07	7.70E-09	1.86E-07	1.31E-07	1.13E-07	3.38E-08	4.71E-07
481363.09, 3852877.25	0.00415	0.000841	2.91E-07	8.79E-07	6.94E-07	6.01E-07	2.70E-07	9.72E-09	2.35E-07	1.65E-07	1.43E-07	4.26E-08	5.95E-07
481863.09, 3852877.25	0.00466	0.000944	3.27E-07	9.87E-07	7.79E-07	6.74E-07	3.03E-07	1.09E-08	2.64E-07	1.85E-07	1.60E-07	4.78E-08	6.68E-07
482363.09, 3852877.25	0.00526	0.001065	3.69E-07	1.11E-06	8.80E-07	7.61E-07	3.42E-07	1.23E-08	2.97E-07	2.09E-07	1.81E-07	5.40E-08	7.54E-07
482863.09, 3852877.25	0.00444	0.000899	3.11E-07	9.40E-07	7.43E-07	6.42E-07	2.89E-07	1.04E-08	2.51E-07	1.76E-07	1.53E-07	4.56E-08	6.36E-07
483363.09, 3852877.25	0.00325	0.000658	2.28E-07	6.88E-07	5.44E-07	4.70E-07	2.11E-07	7.61E-09	1.84E-07	1.29E-07	1.12E-07	3.34E-08	4.66E-07
483863.09, 3852877.25	0.00235	0.000476	1.65E-07	4.98E-07	3.93E-07	3.40E-07	1.53E-07	5.50E-09	1.33E-07	9.34E-08	8.08E-08	2.41E-08	3.37E-07
484363.09, 3852877.25	0.00273	0.000553	1.91E-07	5.78E-07	4.57E-07	3.95E-07	1.78E-07	6.39E-09	1.54E-07	1.08E-07	9.39E-08	2.80E-08	3.91E-07
484863.09, 3852877.25	0.00294	0.000596	2.06E-07	6.22E-07	4.92E-07	4.25E-07	1.91E-07	6.88E-09	1.66E-07	1.17E-07	1.01E-07	3.02E-08	4.21E-07

485363.09, 3852877.25	0.00235	0.000476	1.65E-07	4.98E-07	3.93E-07	3.40E-07	1.53E-07	5.50E-09	1.33E-07	9.34E-08	8.08E-08	2.41E-08	3.37E-07
485863.09, 3852877.25	0.00217	0.00044	1.52E-07	4.59E-07	3.63E-07	3.14E-07	1.41E-07	5.08E-09	1.23E-07	8.62E-08	7.46E-08	2.23E-08	3.11E-07
486363.09, 3852877.25	0.00195	0.000395	1.37E-07	4.13E-07	3.26E-07	2.82E-07	1.27E-07	4.57E-09	1.10E-07	7.75E-08	6.70E-08	2.00E-08	2.79E-07
486863.09, 3852877.25	0.00178	0.000361	1.25E-07	3.77E-07	2.98E-07	2.58E-07	1.16E-07	4.17E-09	1.01E-07	7.07E-08	6.12E-08	1.83E-08	2.55E-07
487363.09, 3852877.25	0.00156	0.000316	1.09E-07	3.30E-07	2.61E-07	2.26E-07	1.02E-07	3.65E-09	8.82E-08	6.20E-08	5.36E-08	1.60E-08	2.24E-07
487863.09, 3852877.25	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
488363.09, 3852877.25	0.00128	0.000259	8.97E-08	2.71E-07	2.14E-07	1.85E-07	8.33E-08	3.00E-09	7.24E-08	5.09E-08	4.40E-08	1.31E-08	1.83E-07
488863.09, 3852877.25	0.00127	0.000257	8.90E-08	2.69E-07	2.12E-07	1.84E-07	8.26E-08	2.97E-09	7.18E-08	5.05E-08	4.37E-08	1.30E-08	1.82E-07
489363.09, 3852877.25	0.0012	0.000243	8.41E-08	2.54E-07	2.01E-07	1.74E-07	7.81E-08	2.81E-09	6.79E-08	4.77E-08	4.13E-08	1.23E-08	1.72E-07
489863.09, 3852877.25	0.00119	0.000241	8.34E-08	2.52E-07	1.99E-07	1.72E-07	7.74E-08	2.79E-09	6.73E-08	4.73E-08	4.09E-08	1.22E-08	1.70E-07
490363.09, 3852877.25	0.00125	0.000253	8.76E-08	2.65E-07	2.09E-07	1.81E-07	8.13E-08	2.93E-09	7.07E-08	4.97E-08	4.30E-08	1.28E-08	1.79E-07
490863.09, 3852877.25	0.00126	0.000255	8.83E-08	2.67E-07	2.11E-07	1.82E-07	8.20E-08	2.95E-09	7.13E-08	5.01E-08	4.33E-08	1.29E-08	1.81E-07
491363.09, 3852877.25	0.00128	0.000259	8.97E-08	2.71E-07	2.14E-07	1.85E-07	8.33E-08	3.00E-09	7.24E-08	5.09E-08	4.40E-08	1.31E-08	1.83E-07
491863.09, 3852877.25	0.00131	0.000265	9.19E-08	2.77E-07	2.19E-07	1.90E-07	8.52E-08	3.07E-09	7.41E-08	5.21E-08	4.50E-08	1.34E-08	1.88E-07
492363.09, 3852877.25	0.00132	0.000267	9.26E-08	2.79E-07	2.21E-07	1.91E-07	8.59E-08	3.09E-09	7.47E-08	5.24E-08	4.54E-08	1.35E-08	1.89E-07
492863.09, 3852877.25	0.00129	0.000261	9.05E-08	2.73E-07	2.16E-07	1.87E-07	8.39E-08	3.02E-09	7.30E-08	5.13E-08	4.44E-08	1.32E-08	1.85E-07
493363.09, 3852877.25	0.00119	0.000241	8.34E-08	2.52E-07	1.99E-07	1.72E-07	7.74E-08	2.79E-09	6.73E-08	4.73E-08	4.09E-08	1.22E-08	1.70E-07
493863.09, 3852877.25	0.00114	0.000231	7.99E-08	2.41E-07	1.91E-07	1.65E-07	7.42E-08	2.67E-09	6.45E-08	4.53E-08	3.92E-08	1.17E-08	1.63E-07
494363.09, 3852877.25	0.00116	0.000235	8.13E-08	2.46E-07	1.94E-07	1.68E-07	7.55E-08	2.72E-09	6.56E-08	4.61E-08	3.99E-08	1.19E-08	1.66E-07
494863.09, 3852877.25	0.00113	0.000229	7.92E-08	2.39E-07	1.89E-07	1.64E-07	7.35E-08	2.65E-09	6.39E-08	4.49E-08	3.89E-08	1.16E-08	1.62E-07
495363.09, 3852877.25	0.00103	0.000209	7.22E-08	2.18E-07	1.72E-07	1.49E-07	6.70E-08	2.41E-09	5.83E-08	4.09E-08	3.54E-08	1.06E-08	1.48E-07
495863.09, 3852877.25	0.00095	0.000192	6.66E-08	2.01E-07	1.59E-07	1.37E-07	6.18E-08	2.22E-09	5.37E-08	3.77E-08	3.27E-08	9.75E-09	1.36E-07
496363.09, 3852877.25	0.00091	0.000184	6.38E-08	1.93E-07	1.52E-07	1.32E-07	5.92E-08	2.13E-09	5.15E-08	3.62E-08	3.13E-08	9.34E-09	1.30E-07
496863.09, 3852877.25	0.00087	0.000176	6.10E-08	1.84E-07	1.45E-07	1.26E-07	5.66E-08	2.04E-09	4.92E-08	3.46E-08	2.99E-08	8.93E-09	1.25E-07
497363.09, 3852877.25	0.00083	0.000168	5.82E-08	1.76E-07	1.39E-07	1.20E-07	5.40E-08	1.94E-09	4.69E-08	3.30E-08	2.85E-08	8.52E-09	1.19E-07
497863.09, 3852877.25	0.00073	0.000148	5.12E-08	1.55E-07	1.22E-07	1.06E-07	4.75E-08	1.71E-09	4.13E-08	2.90E-08	2.51E-08	7.49E-09	1.05E-07
498363.09, 3852877.25	0.00071	0.000144	4.98E-08	1.50E-07	1.19E-07	1.03E-07	4.62E-08	1.66E-09	4.02E-08	2.82E-08	2.44E-08	7.29E-09	1.02E-07
471363.09, 3853377.25	0.00116	0.000235	8.13E-08	2.46E-07	1.94E-07	1.68E-07	7.55E-08	2.72E-09	6.56E-08	4.61E-08	3.99E-08	1.19E-08	1.66E-07
471863.09, 3853377.25	0.00125	0.000253	8.76E-08	2.65E-07	2.09E-07	1.81E-07	8.13E-08	2.93E-09	7.07E-08	4.97E-08	4.30E-08	1.28E-08	1.79E-07
472363.09, 3853377.25	0.00134	0.000271	9.40E-08	2.84E-07	2.24E-07	1.94E-07	8.72E-08	3.14E-09	7.58E-08	5.32E-08	4.61E-08	1.38E-08	1.92E-07
472863.09, 3853377.25	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
473363.09, 3853377.25	0.00153	0.00031	1.07E-07	3.24E-07	2.56E-07	2.21E-07	9.96E-08	3.58E-09	8.65E-08	6.08E-08	5.26E-08	1.57E-08	2.19E-07
473863.09, 3853377.25	0.00166	0.000336	1.16E-07	3.51E-07	2.78E-07	2.40E-07	1.08E-07	3.89E-09	9.39E-08	6.60E-08	5.71E-08	1.70E-08	2.38E-07
474363.09, 3853377.25	0.00177	0.000359	1.24E-07	3.75E-07	2.96E-07	2.56E-07	1.15E-07	4.14E-09	1.00E-07	7.03E-08	6.09E-08	1.82E-08	2.54E-07
474863.09, 3853377.25	0.00171	0.000346	1.20E-07	3.62E-07	2.86E-07	2.47E-07	1.11E-07	4.00E-09	9.67E-08	6.79E-08	5.88E-08	1.75E-08	2.45E-07
475363.09, 3853377.25	0.00162	0.000328	1.14E-07	3.43E-07	2.71E-07	2.34E-07	1.05E-07	3.79E-09	9.16E-08	6.44E-08	5.57E-08	1.66E-08	2.32E-07
475863.09, 3853377.25	0.00151	0.000306	1.06E-07	3.20E-07	2.53E-07	2.18E-07	9.83E-08	3.54E-09	8.54E-08	6.00E-08	5.19E-08	1.55E-08	2.16E-07
476363.09, 3853377.25	0.00139	0.000282	9.75E-08	2.94E-07	2.32E-07	2.01E-07	9.04E-08	3.25E-09	7.86E-08	5.52E-08	4.78E-08	1.43E-08	1.99E-07
476863.09, 3853377.25	0.00125	0.000253	8.76E-08	2.65E-07	2.09E-07	1.81E-07	8.13E-08	2.93E-09	7.07E-08	4.97E-08	4.30E-08	1.28E-08	1.79E-07
477363.09, 3853377.25	0.00123	0.000249	8.62E-08	2.60E-07	2.06E-07	1.78E-07	8.00E-08	2.88E-09	6.96E-08	4.89E-08	4.23E-08	1.26E-08	1.76E-07
477863.09, 3853377.25	0.00124	0.000251	8.69E-08	2.63E-07	2.07E-07	1.79E-07	8.07E-08	2.90E-09	7.01E-08	4.93E-08	4.26E-08	1.27E-08	1.78E-07
478363.09, 3853377.25	0.00119	0.000241	8.34E-08	2.52E-07	1.99E-07	1.72E-07	7.74E-08	2.79E-09	6.73E-08	4.73E-08	4.09E-08	1.22E-08	1.70E-07
478863.09, 3853377.25	0.00114	0.000231	7.99E-08	2.41E-07	1.91E-07	1.65E-07	7.42E-08	2.67E-09	6.45E-08	4.53E-08	3.92E-08	1.17E-08	1.63E-07
479363.09, 3853377.25	0.0014	0.000284	9.82E-08	2.96E-07	2.34E-07	2.03E-07	9.11E-08	3.28E-09	7.92E-08	5.56E-08	4.81E-08	1.44E-08	2.01E-07
479863.09, 3853377.25	0.0017	0.000344	1.19E-07	3.60E-07	2.84E-07	2.46E-07	1.11E-07	3.98E-09	9.61E-08	6.75E-08	5.84E-08	1.74E-08	2.44E-07
480363.09, 3853377.25	0.0024	0.000486	1.68E-07	5.08E-07	4.01E-07	3.47E-07	1.56E-07	5.62E-09	1.36E-07	9.54E-08	8.25E-08	2.46E-08	3.44E-07
480863.09, 3853377.25	0.00222	0.00045	1.56E-07	4.70E-07	3.71E-07	3.21E-07	1.44E-07	5.20E-09	1.26E-07	8.82E-08	7.63E-08	2.28E-08	3.18E-07
481363.09, 3853377.25	0.00287	0.000581	2.01E-07	6.08E-07	4.80E-07	4.15E-07	1.87E-07	6.72E-09	1.62E-07	1.14E-07	9.87E-08	2.95E-08	4.11E-07
481863.09, 3853377.25	0.00452	0.000916	3.17E-07	9.57E-07	7.56E-07	6.54E-07	2.94E-07	1.06E-08	2.56E-07	1.80E-07	1.55E-07	4.64E-08	6.48E-07
482363.09, 3853377.25	0.00484	0.00098	3.39E-07	1.02E-06	8.09E-07	7.00E-07	3.15E-07	1.13E-08	2.74E-07	1.92E-07	1.66E-07	4.97E-08	6.93E-07
482863.09, 3853377.25	0.00532	0.001078	3.73E-07	1.13E-06	8.90E-07	7.70E-07	3.46E-07	1.25E-08	3.01E-07	2.11E-07	1.83E-07	5.46E-08	7.62E-07
483363.09, 3853377.25	0.00411	0.000832	2.88E-07	8.70E-07	6.87E-07	5.95E-07	2.67E-07	9.62E-09	2.32E-07	1.63E-07	1.41E-07	4.22E-08	5.89E-07
483863.09, 3853377.25	0.00341	0.000691	2.39E-07	7.22E-07	5.70E-07	4.93E-07	2.22E-07	7.98E-09	1.93E-07	1.35E-07	1.17E-07	3.50E-08	4.89E-07
484363.09, 3853377.25	0.00326	0.00066	2.29E-07	6.90E-07	5.45E-07	4.72E-07	2.12E-07	7.63E-09	1.84E-07	1.30E-07	1.12E-07	3.35E-08	4.67E-07
484863.09, 3853377.25	0.00262	0.000531	1.84E-07	5.55E-07	4.38E-07	3.79E-07	1.70E-07	6.13E-09	1.48E-07	1.04E-07	9.01E-08	2.69E-08	3.75E-07
485363.09, 3853377.25	0.0021	0.000425	1.47E-07	4.45E-07	3.51E-07	3.04E-07	1.37E-07	4.92E-09	1.19E-07	8.34E-08	7.22E-08	2.16E-08	3.01E-07
485863.09, 3853377.25	0.00184	0.000373	1.29E-07	3.90E-07	3.08E-07	2.66E-07	1.20E-07	4.31E-09	1.04E-07	7.31E-08	6.33E-08	1.89E-08	2.64E-07
486363.09, 3853377.25	0.0019	0.000385	1.33E-07	4.02E-07	3.18E-07	2.75E-07	1.24E-07	4.45E-09	1.07E-07	7.55E-08	6.53E-08	1.95E-08	2.72E-07
486863.09, 3853377.25	0.0019	0.000385	1.33E-07	4.02E-07	3.18E-07	2.75E-07	1.24E-07	4.45E-09	1.07E-07	7.55E-08	6.53E-08	1.95E-08	2.72E-07
487363.09, 3853377.25	0.00182	0.000369	1.28E-07	3.85E-07	3.04E-07	2.63E-07	1.18E-07	4.26E-09	1.03E-07	7.23E-08	6.26E-08	1.87E-08	2.61E-07
487863.09, 3853377.25	0.00169	0.000342	1.18E-07	3.58E-07	2.83E-07	2.45E-07	1.10E-07	3.96E-09	9.56E-08	6.72E-08	5.81E-08	1.73E-08	2.42E-07
488363.09, 3853377.25	0.00164	0.000332	1.15E-07	3.47E-07	2.74E-07	2.37E-07	1.07E-07	3.84E-09	9.28E-08	6.52E-08	5.64E-08	1.68E-08	2.35E-07
488863.09, 3853377.25	0.0016	0.000324	1.12E-07	3.39E-07	2.68E-07	2.32E-07	1.04E-07	3.75E-09	9.05E-08	6.36E-08	5.50E-08	1.64E-08	2.29E-07
489363.09, 3853377.25	0.00151	0.000306	1.06E-07	3.20E-07	2.53E-07	2.18E-07	9.83E-08	3.54E-09	8.54E-08	6.00E-08	5.19E-08	1.55E-08	2.16E-07
489863.09, 3853377.25	0.00141	0.000286	9.89E-08	2.99E-07	2.36E-07	2.04E-07	9.17E-08	3.30E-09	7.97E-08	5.60E-08	4.85E-08	1.45E-08	2.02E-07
490363.09, 3853377.25	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
490863.09, 3853377.25	0.00141	0.000286	9.89E-08	2.99E-07	2.36E-07	2.04E-07	9.17E-08	3.30E-09	7.97E-08	5.60E-08	4.85E-08	1.45E-08	2.02E-07
491363.09, 3853377.25	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
491863.09, 3853377.25	0.00145	0.000294	1.02E-07	3.07E-07	2.42E-07	2.10E-07	9.43E-08	3.40E-09	8.20E-08	5.76E-08	4.99E-08	1.49E-08	2.08E-07
492363.09, 3853377.25	0.00151	0.000306	1.06E-07	3.20E-07	2.53E-07	2.18E-07	9.83E-08	3.54E-09	8.54E-08	6.00E-08	5.19E-08	1.55E-08	2.16E-07
492863.09, 3853377.25	0.0015	0.000304	1.05E-07	3.18E-07	2.51E-07	2.17E-07	9.76E-08	3.51E-09	8.48E-08	5.96E-08	5.16E-08	1.54E-08	2.15E-07
493363.09, 3853377.25	0.0014	0.000284	9.82E-08	2.96E-07	2.34E-07	2.03E-07	9.11E-08	3.28E-09	7.92E-08	5.56E-08	4.81E-08	1.44E-08	2.01E-07
493863.09, 3853377.25	0.0013	0.000263	9.12E-08	2.75E-07	2.17E-07	1.88E-07	8.46E-08	3.04E-09	7.35E-08	5.17E-08	4.47E-08	1.33E-08	1.86E-07
494363.09, 3853377.25	0.00129	0.000261	9.05E-08	2.73E-07	2.16E-07	1.87E-07	8.39E-08	3.02E-09	7.30E-08	5.13E-08	4.44E-08	1.32E-08	1.85E-07
494863.09, 3853377.25	0.00122	0.000247	8.55E-08	2.58E-07	2.04E-07	1.77E-07	7.94E-08	2.86E-09	6.90E-08	4.85E-08	4.19E-08	1.25E-08	1.75E-07
495363.09, 3853377.25	0.00114	0.000231	7.99E-08	2.41E-07	1.91E-07	1.65E-07	7.42E-08	2.67E-09	6.45E-08	4.53E-08	3.92E-08	1.17E-08	1.63E-07
495863.09, 3853377.25	0.00106	0.000215	7.43E-08	2.24E-07	1.77E-07	1.53E-07	6.90E-08	2.48E-09	6.00E-08	4.21E-08	3.64E-08	1.09E-08	1.52E-07
496363.09, 3853377.25	0.00098	0.000199	6.87E-08	2.07E-07	1.64E-07	1.42E-07	6.38E-08	2.29E-09	5.54E-08	3.89E-08	3.37E-08	1.01E-08	1.40E-07
496863.09, 3853377.25	0.00091	0.000184	6.38E-08	1.93E-07	1.52E-07	1.32E-07	5.92E-08	2.13E-09	5.15E-08	3.62E-08	3.13E-08	9.34E-09	1.30E-07
497363.09, 3853377.25	0.00085	0.000172	5.96E-08	1.80E-07	1.42E-07	1.23E-07	5.53E-08	1.99E-09	4.81E-08	3.38E-08	2.92E-08	8.72E-09	1.22E-07
497863.09, 3853377.25	0.00073	0.000148	5.12E-08	1.55E-07	1.22E-07	1.06E-07	4.75E-08	1.71E-09	4.13E-08	2.90E-08	2.51E-08	7.49E-09	1.05E-07
498363.09, 3853377.25	0.00068	0.000138	4.77E-08	1.44E-07	1.14E-07	9.84E-08	4.42E-08	1.59E-09	3.85E-08	2.70E-08	2.34E-08	6.98E-09	9.74E-08
471363.09, 3853877.25	0.00116	0.000235	8.13E-08	2.46E-07	1.94E-07	1.68E-07	7.55E-08	2.72E-09	6.56E-08	4.61E-08	3.99E-08	1.19E-08	1.66E-07
471863.09, 3853877.25	0.00119	0.000241	8.34E-08	2.52E-07	1.99E-07	1.72E-07	7.74E-08	2.79E-09	6.73E-08	4.73E-08	4.09E-08	1.22E-08	1.70E-07
472363.09, 3853877.25	0.00124	0.000251	8.69E-08	2.63E-07	2.07E-07	1.79E-07	8.07E-08	2.90E-09	7.01E-08	4.93E-08	4.26E-08	1.27E-08	1.78E-07
472863.09, 3853877.25	0.00132	0.000267	9.26E-08	2.79E-07	2.21E-07	1.91E-07	8.59E-08	3.09E-09	7.47E-08	5.24E-08	4.54E-08	1.35E-08	1.89E-07
473363.09, 3853877.25	0.0014	0.000284	9.82E-08	2.96E-07	2.34E-07	2.03E-07	9.11E-08	3.28E-09	7.92E-08	5.56E-08	4.81E-08	1.44E-08	2.01E-07
473863.09, 3853877.25	0.00148	0.0003	1.04E-07	3.13E-07	2.48E-07	2.14E-07	9.63E-08	3.47E-09	8.37E-08	5.88E-08	5.09E-08	1.52E-08	2.12E-07
474363.09, 3853877.25	0.00158	0.00032	1.11E-07	3.35E-07	2.64E-07	2.29E-07	1.03E-07	3.70E-09	8.94E-08	6.28E-08	5.43E-08	1.62E-08	2.26E-07
474863.09, 3853877.25	0.00168	0.00034	1.18E-07	3.56E-07	2.81E-07	2.43E-07	1.09E-07	3.93E-09	9.50E-08	6.68E-08	5.78E-08	1.72E-08	2.41E-07
475363.09, 3853877.25	0.00169	0.000342	1.18E-07	3.58E-07	2.83E-07	2.45E-07	1.10E-07	3.96E-09	9.56E-08	6.72E-08	5.81E-08	1.73E-08	2.42E-07
475863.09, 3853877.25	0.00154	0.000312	1.08E-07	3.26E-07	2.58E-07	2.23E-07	1.00E-07	3.61E-09	8.71E-08	6.12E-08	5.29E-08	1.58E-08	2.21E-07
476363.09, 3853877.25	0.00136	0.000275	9.54E-08	2.88E-07	2.27E-07	1.97E-07	8.85E-08	3.18E-09	7.69E-08	5.40E-08	4.68E-08	1.40E-08	1.95E-07
476863.09, 3853877.25	0.00119	0.000241	8.34E-08	2.52E-07	1.99E-07	1.72E-07	7.74E-08	2.79E-09	6.73E-08	4.73E-08	4.09E-08	1.22E-08	1.70E-07
477363.09, 3853877.25	0.00121	0.000245	8.48E-08	2.56E-07	2.02E-07	1.75E-07	7.87E-08	2.83E-09	6.84E-08	4.81E-08	4.16E-08	1.24E-08	1.73E-07
477863.09, 3853877.25	0.00125	0.000253	8.76E-08	2.65E-07	2.09E-07	1.81E-07	8.13E-08	2.93E-09	7.07E-08	4.97E-08	4.30E-08	1.28E-08	1.79E-07
478363.09, 3853877.25	0.00126	0.000255	8.83E-08	2.67E-07	2.11E-07	1.82E-07	8.20E-08	2.95E-09	7.13E-08	5.01E-08	4.33E-08	1.29E-08	1.81E-07
478863.09, 3853877.25	0.00114	0.000231	7.99E-08	2.41E-07	1.91E-07	1.65E-07	7.42E-08	2.67E-09	6.45E-08	4.53E-08	3.92E-08	1.17E-08	1.63E-07
479363.09, 3853877.25	0.00125	0.000253	8.76E-08	2.65E-07	2.09E-07	1.81E-07	8.13E-08	2.93E-09	7.07E-08	4.97E-08	4.30E-08	1.28E-08	1.79E-07

479863.09, 3853877.25	0.00157	0.000318	1.10E-07	3.32E-07	2.63E-07	2.27E-07	1.02E-07	3.68E-09	8.88E-08	6.24E-08	5.40E-08	1.61E-08	2.25E-07
480363.09, 3853877.25	0.00194	0.000393	1.36E-07	4.11E-07	3.24E-07	2.81E-07	1.26E-07	4.54E-09	1.10E-07	7.71E-08	6.67E-08	1.99E-08	2.78E-07
480863.09, 3853877.25	0.00273	0.000553	1.91E-07	5.78E-07	4.57E-07	3.95E-07	1.78E-07	6.39E-09	1.54E-07	1.08E-07	9.39E-08	2.80E-08	3.91E-07
481363.09, 3853877.25	0.00325	0.000658	2.28E-07	6.88E-07	5.44E-07	4.70E-07	2.11E-07	7.61E-09	1.84E-07	1.29E-07	1.12E-07	3.34E-08	4.66E-07
481863.09, 3853877.25	0.00519	0.001051	3.64E-07	1.10E-06	8.68E-07	7.51E-07	3.38E-07	1.22E-08	2.94E-07	2.06E-07	1.78E-07	5.33E-08	7.44E-07
482363.09, 3853877.25	0.00517	0.001047	3.63E-07	1.09E-06	8.65E-07	7.48E-07	3.36E-07	1.21E-08	2.92E-07	2.05E-07	1.78E-07	5.31E-08	7.41E-07
482863.09, 3853877.25	0.00449	0.000909	3.15E-07	9.51E-07	7.51E-07	6.50E-07	2.92E-07	1.05E-08	2.54E-07	1.78E-07	1.54E-07	4.61E-08	6.43E-07
483363.09, 3853877.25	0.00409	0.000828	2.87E-07	8.66E-07	6.84E-07	5.92E-07	2.66E-07	9.58E-09	2.31E-07	1.63E-07	1.41E-07	4.20E-08	5.86E-07
483863.09, 3853877.25	0.00416	0.000843	2.92E-07	8.81E-07	6.96E-07	6.02E-07	2.71E-07	9.74E-09	2.35E-07	1.65E-07	1.43E-07	4.27E-08	5.96E-07
484363.09, 3853877.25	0.00337	0.000683	2.36E-07	7.13E-07	5.64E-07	4.88E-07	2.19E-07	7.89E-09	1.91E-07	1.34E-07	1.16E-07	3.46E-08	4.83E-07
484863.09, 3853877.25	0.00261	0.000529	1.83E-07	5.53E-07	4.36E-07	3.78E-07	1.70E-07	6.11E-09	1.48E-07	1.04E-07	8.97E-08	2.68E-08	3.74E-07
485363.09, 3853877.25	0.002	0.000405	1.40E-07	4.23E-07	3.34E-07	2.89E-07	1.30E-07	4.68E-09	1.13E-07	7.95E-08	6.88E-08	2.05E-08	2.87E-07
485863.09, 3853877.25	0.0021	0.000425	1.47E-07	4.45E-07	3.51E-07	3.04E-07	1.37E-07	4.92E-09	1.19E-07	8.34E-08	7.22E-08	2.16E-08	3.01E-07
486363.09, 3853877.25	0.00213	0.000431	1.49E-07	4.51E-07	3.56E-07	3.08E-07	1.39E-07	4.99E-09	1.20E-07	8.46E-08	7.32E-08	2.19E-08	3.05E-07
486863.09, 3853877.25	0.00208	0.000421	1.46E-07	4.40E-07	3.48E-07	3.01E-07	1.35E-07	4.87E-09	1.18E-07	8.26E-08	7.15E-08	2.13E-08	2.98E-07
487363.09, 3853877.25	0.00213	0.000431	1.49E-07	4.51E-07	3.56E-07	3.08E-07	1.39E-07	4.99E-09	1.20E-07	8.46E-08	7.32E-08	2.19E-08	3.05E-07
487863.09, 3853877.25	0.00211	0.000427	1.48E-07	4.47E-07	3.53E-07	3.05E-07	1.37E-07	4.94E-09	1.19E-07	8.38E-08	7.25E-08	2.17E-08	3.02E-07
488363.09, 3853877.25	0.00199	0.000403	1.40E-07	4.21E-07	3.33E-07	2.88E-07	1.29E-07	4.66E-09	1.13E-07	7.91E-08	6.84E-08	2.04E-08	2.85E-07
488863.09, 3853877.25	0.00196	0.000397	1.37E-07	4.15E-07	3.28E-07	2.84E-07	1.28E-07	4.59E-09	1.11E-07	7.79E-08	6.74E-08	2.01E-08	2.81E-07
489363.09, 3853877.25	0.00186	0.000377	1.30E-07	3.94E-07	3.11E-07	2.69E-07	1.21E-07	4.36E-09	1.05E-07	7.39E-08	6.39E-08	1.91E-08	2.66E-07
489863.09, 3853877.25	0.00174	0.000352	1.22E-07	3.68E-07	2.91E-07	2.52E-07	1.13E-07	4.07E-09	9.84E-08	6.91E-08	5.98E-08	1.79E-08	2.49E-07
490363.09, 3853877.25	0.00165	0.000334	1.16E-07	3.49E-07	2.76E-07	2.39E-07	1.07E-07	3.86E-09	9.33E-08	6.56E-08	5.67E-08	1.69E-08	2.36E-07
490863.09, 3853877.25	0.00164	0.000332	1.15E-07	3.47E-07	2.74E-07	2.37E-07	1.07E-07	3.84E-09	9.28E-08	6.52E-08	5.64E-08	1.68E-08	2.35E-07
491363.09, 3853877.25	0.00166	0.000336	1.16E-07	3.51E-07	2.78E-07	2.40E-07	1.08E-07	3.89E-09	9.39E-08	6.60E-08	5.71E-08	1.70E-08	2.38E-07
491863.09, 3853877.25	0.00167	0.000338	1.17E-07	3.54E-07	2.79E-07	2.42E-07	1.09E-07	3.91E-09	9.44E-08	6.64E-08	5.74E-08	1.71E-08	2.39E-07
492363.09, 3853877.25	0.00172	0.000348	1.21E-07	3.64E-07	2.88E-07	2.49E-07	1.12E-07	4.03E-09	9.73E-08	6.83E-08	5.91E-08	1.77E-08	2.46E-07
492863.09, 3853877.25	0.00176	0.000356	1.23E-07	3.73E-07	2.94E-07	2.55E-07	1.15E-07	4.12E-09	9.95E-08	6.99E-08	6.05E-08	1.81E-08	2.52E-07
493363.09, 3853877.25	0.00165	0.000334	1.16E-07	3.49E-07	2.76E-07	2.39E-07	1.07E-07	3.86E-09	9.33E-08	6.56E-08	5.67E-08	1.69E-08	2.36E-07
493863.09, 3853877.25	0.00147	0.000298	1.03E-07	3.11E-07	2.46E-07	2.13E-07	9.56E-08	3.44E-09	8.31E-08	5.84E-08	5.05E-08	1.51E-08	2.11E-07
494363.09, 3853877.25	0.00144	0.000292	1.01E-07	3.05E-07	2.41E-07	2.08E-07	9.37E-08	3.37E-09	8.14E-08	5.72E-08	4.95E-08	1.48E-08	2.06E-07
494863.09, 3853877.25	0.00138	0.00028	9.68E-08	2.92E-07	2.31E-07	2.00E-07	8.98E-08	3.23E-09	7.80E-08	5.48E-08	4.74E-08	1.42E-08	1.98E-07
495363.09, 3853877.25	0.00123	0.000249	8.62E-08	2.60E-07	2.06E-07	1.78E-07	8.00E-08	2.88E-09	6.96E-08	4.89E-08	4.23E-08	1.26E-08	1.76E-07
495863.09, 3853877.25	0.0011	0.000223	7.71E-08	2.33E-07	1.84E-07	1.59E-07	7.16E-08	2.58E-09	6.22E-08	4.37E-08	3.78E-08	1.13E-08	1.58E-07
496363.09, 3853877.25	0.00102	0.000207	7.15E-08	2.16E-07	1.71E-07	1.48E-07	6.64E-08	2.39E-09	5.77E-08	4.05E-08	3.51E-08	1.05E-08	1.46E-07
496863.09, 3853877.25	0.00096	0.000194	6.73E-08	2.03E-07	1.61E-07	1.39E-07	6.25E-08	2.25E-09	5.43E-08	3.81E-08	3.30E-08	9.85E-09	1.38E-07
497363.09, 3853877.25	0.0009	0.000182	6.31E-08	1.91E-07	1.51E-07	1.30E-07	5.86E-08	2.11E-09	5.09E-08	3.58E-08	3.09E-08	9.24E-09	1.29E-07
497863.09, 3853877.25	0.00083	0.000168	5.82E-08	1.76E-07	1.39E-07	1.20E-07	5.40E-08	1.94E-09	4.69E-08	3.30E-08	2.85E-08	8.52E-09	1.19E-07
498363.09, 3853877.25	0.0008	0.000162	5.61E-08	1.69E-07	1.34E-07	1.16E-07	5.21E-08	1.87E-09	4.52E-08	3.18E-08	2.75E-08	8.21E-09	1.15E-07
471363.09, 3854377.25	0.00133	0.000269	9.33E-08	2.82E-07	2.22E-07	1.92E-07	8.65E-08	3.11E-09	7.52E-08	5.28E-08	4.57E-08	1.36E-08	1.91E-07
471863.09, 3854377.25	0.00134	0.000271	9.40E-08	2.84E-07	2.24E-07	1.94E-07	8.72E-08	3.14E-09	7.58E-08	5.32E-08	4.61E-08	1.38E-08	1.92E-07
472363.09, 3854377.25	0.00132	0.000267	9.26E-08	2.79E-07	2.21E-07	1.91E-07	8.59E-08	3.09E-09	7.47E-08	5.24E-08	4.54E-08	1.35E-08	1.89E-07
472863.09, 3854377.25	0.00131	0.000265	9.19E-08	2.77E-07	2.19E-07	1.90E-07	8.52E-08	3.07E-09	7.41E-08	5.21E-08	4.50E-08	1.34E-08	1.88E-07
473363.09, 3854377.25	0.00132	0.000267	9.26E-08	2.79E-07	2.21E-07	1.91E-07	8.59E-08	3.09E-09	7.47E-08	5.24E-08	4.54E-08	1.35E-08	1.89E-07
473863.09, 3854377.25	0.00138	0.00028	9.68E-08	2.92E-07	2.31E-07	2.00E-07	8.98E-08	3.23E-09	7.80E-08	5.48E-08	4.74E-08	1.42E-08	1.98E-07
474363.09, 3854377.25	0.00148	0.0003	1.04E-07	3.13E-07	2.48E-07	2.14E-07	9.63E-08	3.47E-09	8.37E-08	5.88E-08	5.09E-08	1.52E-08	2.12E-07
474863.09, 3854377.25	0.00151	0.000306	1.06E-07	3.20E-07	2.53E-07	2.18E-07	9.83E-08	3.54E-09	8.54E-08	6.00E-08	5.19E-08	1.55E-08	2.16E-07
475363.09, 3854377.25	0.00144	0.000292	1.01E-07	3.05E-07	2.41E-07	2.08E-07	9.37E-08	3.37E-09	8.14E-08	5.72E-08	4.95E-08	1.48E-08	2.06E-07
475863.09, 3854377.25	0.00129	0.000261	9.05E-08	2.73E-07	2.16E-07	1.87E-07	8.39E-08	3.02E-09	7.30E-08	5.13E-08	4.44E-08	1.32E-08	1.85E-07
476363.09, 3854377.25	0.00126	0.000255	8.83E-08	2.67E-07	2.11E-07	1.82E-07	8.20E-08	2.95E-09	7.13E-08	5.01E-08	4.33E-08	1.29E-08	1.81E-07
476863.09, 3854377.25	0.00125	0.000253	8.76E-08	2.65E-07	2.09E-07	1.81E-07	8.13E-08	2.93E-09	7.07E-08	4.97E-08	4.30E-08	1.28E-08	1.79E-07
477363.09, 3854377.25	0.00122	0.000247	8.55E-08	2.58E-07	2.04E-07	1.77E-07	7.94E-08	2.86E-09	6.90E-08	4.85E-08	4.19E-08	1.25E-08	1.75E-07
477863.09, 3854377.25	0.0012	0.000243	8.41E-08	2.54E-07	2.01E-07	1.74E-07	7.81E-08	2.81E-09	6.79E-08	4.77E-08	4.13E-08	1.23E-08	1.72E-07
478363.09, 3854377.25	0.00125	0.000253	8.76E-08	2.65E-07	2.09E-07	1.81E-07	8.13E-08	2.93E-09	7.07E-08	4.97E-08	4.30E-08	1.28E-08	1.79E-07
478863.09, 3854377.25	0.00127	0.000257	8.90E-08	2.69E-07	2.12E-07	1.84E-07	8.26E-08	2.97E-09	7.18E-08	5.05E-08	4.37E-08	1.30E-08	1.82E-07
479363.09, 3854377.25	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
479863.09, 3854377.25	0.00154	0.000312	1.08E-07	3.26E-07	2.58E-07	2.23E-07	1.00E-07	3.61E-09	8.71E-08	6.12E-08	5.29E-08	1.58E-08	2.21E-07
480363.09, 3854377.25	0.00175	0.000354	1.23E-07	3.70E-07	2.93E-07	2.53E-07	1.14E-07	4.10E-09	9.90E-08	6.95E-08	6.02E-08	1.80E-08	2.51E-07
480863.09, 3854377.25	0.00224	0.000454	1.57E-07	4.74E-07	3.75E-07	3.24E-07	1.46E-07	5.24E-09	1.27E-07	8.90E-08	7.70E-08	2.30E-08	3.21E-07
481363.09, 3854377.25	0.00286	0.000579	2.01E-07	6.05E-07	4.78E-07	4.14E-07	1.86E-07	6.70E-09	1.62E-07	1.14E-07	9.83E-08	2.94E-08	4.10E-07
481863.09, 3854377.25	0.00542	0.001098	3.80E-07	1.15E-06	9.06E-07	7.84E-07	3.53E-07	1.27E-08	3.07E-07	2.15E-07	1.86E-07	5.56E-08	7.77E-07
482363.09, 3854377.25	0.00595	0.001205	4.17E-07	1.26E-06	9.95E-07	8.61E-07	3.87E-07	1.39E-08	3.37E-07	2.36E-07	2.05E-07	6.11E-08	8.52E-07
482863.09, 3854377.25	0.00504	0.001021	3.53E-07	1.07E-06	8.43E-07	7.29E-07	3.28E-07	1.18E-08	2.85E-07	2.00E-07	1.73E-07	5.17E-08	7.22E-07
483363.09, 3854377.25	0.00403	0.000816	2.83E-07	8.53E-07	6.74E-07	5.83E-07	2.62E-07	9.44E-09	2.28E-07	1.60E-07	1.39E-07	4.14E-08	5.77E-07
483863.09, 3854377.25	0.00325	0.000658	2.28E-07	6.88E-07	5.44E-07	4.70E-07	2.11E-07	7.61E-09	1.84E-07	1.29E-07	1.12E-07	3.34E-08	4.66E-07
484363.09, 3854377.25	0.00287	0.000581	2.01E-07	6.08E-07	4.80E-07	4.15E-07	1.87E-07	6.72E-09	1.62E-07	1.14E-07	9.87E-08	2.95E-08	4.11E-07
484863.09, 3854377.25	0.00245	0.000496	1.72E-07	5.19E-07	4.10E-07	3.55E-07	1.59E-07	5.74E-09	1.39E-07	9.73E-08	8.42E-08	2.51E-08	3.51E-07
485363.09, 3854377.25	0.00267	0.000541	1.87E-07	5.65E-07	4.47E-07	3.86E-07	1.74E-07	6.25E-09	1.51E-07	1.06E-07	9.18E-08	2.74E-08	3.83E-07
485863.09, 3854377.25	0.00227	0.00046	1.59E-07	4.81E-07	3.80E-07	3.28E-07	1.48E-07	5.31E-09	1.28E-07	9.02E-08	7.80E-08	2.33E-08	3.25E-07
486363.09, 3854377.25	0.0024	0.000486	1.68E-07	5.08E-07	4.01E-07	3.47E-07	1.56E-07	5.62E-09	1.36E-07	9.54E-08	8.25E-08	2.46E-08	3.44E-07
486863.09, 3854377.25	0.00238	0.000482	1.67E-07	5.04E-07	3.98E-07	3.44E-07	1.55E-07	5.57E-09	1.35E-07	9.46E-08	8.18E-08	2.44E-08	3.41E-07
487363.09, 3854377.25	0.00252	0.00051	1.77E-07	5.34E-07	4.21E-07	3.65E-07	1.64E-07	5.90E-09	1.43E-07	1.00E-07	8.66E-08	2.59E-08	3.61E-07
487863.09, 3854377.25	0.00264	0.000535	1.85E-07	5.59E-07	4.41E-07	3.82E-07	1.72E-07	6.18E-09	1.49E-07	1.05E-07	9.08E-08	2.71E-08	3.78E-07
488363.09, 3854377.25	0.00251	0.000508	1.76E-07	5.31E-07	4.20E-07	3.63E-07	1.63E-07	5.88E-09	1.42E-07	9.97E-08	8.63E-08	2.58E-08	3.60E-07
488863.09, 3854377.25	0.00238	0.000482	1.67E-07	5.04E-07	3.98E-07	3.44E-07	1.55E-07	5.57E-09	1.35E-07	9.46E-08	8.18E-08	2.44E-08	3.41E-07
489363.09, 3854377.25	0.00229	0.000464	1.61E-07	4.85E-07	3.83E-07	3.31E-07	1.49E-07	5.36E-09	1.30E-07	9.10E-08	7.87E-08	2.35E-08	3.28E-07
489863.09, 3854377.25	0.0022	0.000446	1.54E-07	4.66E-07	3.68E-07	3.18E-07	1.43E-07	5.15E-09	1.24E-07	8.74E-08	7.56E-08	2.26E-08	3.15E-07
490363.09, 3854377.25	0.00201	0.000407	1.41E-07	4.26E-07	3.36E-07	2.91E-07	1.31E-07	4.71E-09	1.14E-07	7.99E-08	6.91E-08	2.06E-08	2.88E-07
490863.09, 3854377.25	0.00174	0.000352	1.22E-07	3.68E-07	2.91E-07	2.52E-07	1.13E-07	4.07E-09	9.84E-08	6.91E-08	5.98E-08	1.79E-08	2.49E-07
491363.09, 3854377.25	0.00184	0.000373	1.29E-07	3.90E-07	3.08E-07	2.66E-07	1.20E-07	4.31E-09	1.04E-07	7.31E-08	6.33E-08	1.89E-08	2.64E-07
491863.09, 3854377.25	0.00196	0.000397	1.37E-07	4.15E-07	3.28E-07	2.84E-07	1.28E-07	4.59E-09	1.11E-07	7.79E-08	6.74E-08	2.01E-08	2.81E-07
492363.09, 3854377.25	0.002	0.000405	1.40E-07	4.23E-07	3.34E-07	2.89E-07	1.30E-07	4.68E-09	1.13E-07	7.95E-08	6.88E-08	2.05E-08	2.87E-07
492863.09, 3854377.25	0.00201	0.000407	1.41E-07	4.26E-07	3.36E-07	2.91E-07	1.31E-07	4.71E-09	1.14E-07	7.99E-08	6.91E-08	2.06E-08	2.88E-07
493363.09, 3854377.25	0.00191	0.000387	1.34E-07	4.04E-07	3.19E-07	2.76E-07	1.24E-07	4.47E-09	1.08E-07	7.59E-08	6.57E-08	1.96E-08	2.74E-07
493863.09, 3854377.25	0.00169	0.000342	1.18E-07	3.58E-07	2.83E-07	2.45E-07	1.10E-07	3.96E-09	9.56E-08	6.72E-08	5.81E-08	1.73E-08	2.42E-07
494363.09, 3854377.25	0.0016	0.000324	1.12E-07	3.39E-07	2.68E-07	2.32E-07	1.04E-07	3.75E-09	9.05E-08	6.36E-08	5.50E-08	1.64E-08	2.29E-07
494863.09, 3854377.25	0.00141	0.000286	9.89E-08	2.99E-07	2.36E-07	2.04E-07	9.17E-08	3.30E-09	7.97E-08	5.60E-08	4.85E-08	1.45E-08	2.02E-07
495363.09, 3854377.25	0.00123	0.000249	8.62E-08	2.60E-07	2.06E-07	1.78E-07	8.00E-08	2.88E-09	6.96E-08	4.89E-08	4.23E-08	1.26E-08	1.76E-07
495863.09, 3854377.25	0.0011	0.000223	7.71E-08	2.33E-07	1.84E-07	1.59E-07	7.16E-08	2.58E-09	6.22E-08	4.37E-08	3.78E-08	1.13E-08	1.58E-07
496363.09, 3854377.25	0.00103	0.000209	7.22E-08	2.18E-07	1.72E-07	1.49E-07	6.70E-08	2.41E-09	5.83E-08	4.09E-08	3.54E-08	1.06E-08	1.48E-07
496863.09, 3854377.25	0.00098	0.000199	6.87E-08	2.07E-07	1.64E-07	1.42E-07	6.38E-08	2.29E-09	5.54E-08	3.89E-08	3.37E-08	1.01E-08	1.40E-07
497363.09, 3854377.25	0.0009	0.000182	6.31E-08	1.91E-07	1.51E-07	1.30E-07	5.86E-08	2.11E-09	5.09E-08	3.58E-08	3.09E-08	9.24E-09	1.29E-07
497863.09, 3854377.25	0.00092	0.000186	6.45E-08	1.95E-07	1.54E-07	1.33E-07	5.99E-08	2.15E-09	5.20E-08	3.66E-08	3.16E-08	9.44E-09	1.32E-07
498363.09, 3854377.25	0.00091	0.000184	6.38E-08	1.93E-07	1.52E-07	1.32E-07	5.92E-08	2.13E-09	5.15E-08	3.62E-08	3.13E-08	9.34E-09	1.30E-07
471363.09, 3854877.25	0.00153	0.00031	1.07E-07	3.24E-07	2.56E-07	2.21E-07	9.96E-08	3.58E-09	8.65E-08	6.08E-08	5.26E-08	1.57E-08	2.19E-07
471863.09, 3854877.25	0.00156	0.000316	1.09E-07	3.30E-07	2.61E-07	2.26E-07	1.02E-07	3.65E-09	8.82E-08	6.20E-08	5.36E-08	1.60E-08	2.24E-07
472363.09, 3854877.25	0.00156	0.000316	1.09E-07	3.30E-07	2.61E-07	2.26E-07	1.02E-07	3.65E-09	8.82E-08	6.20E-08	5.36E-08	1.60E-08	2.24E-07
472863.09, 3854877.25	0.00151	0.000306	1.06E-07	3.20E-07	2.53E-07	2.18E-07	9.83E-08	3.54E-09	8.54E-08	6.00E-08	5.19E-08	1.55E-08	2.16E-07
473363.09, 3854877.25	0.0015	0.000304	1.05E-07	3.18E-07	2.51E-07	2.17E-07	9.76E-08	3.51E-09	8.48E-08	5.96E-08	5.16E-08	1.54E-08	2.15E-07
473863.09, 3854877.25	0.00148	0.0003	1.04E-07	3.13E-07	2.48E-07	2.14E-07	9.63E-08	3.47E-09	8.37E-08	5.88E-08	5.09E-08	1.52E-08	2.12E-07

474363.09, 3854877.25	0.00149	0.000302	1.04E-07	3.15E-07	2.49E-07	2.16E-07	9.69E-08	3.49E-09	8.43E-08	5.92E-08	5.12E-08	1.53E-08	2.13E-07
474863.09, 3854877.25	0.00136	0.000275	9.54E-08	2.88E-07	2.27E-07	1.97E-07	8.85E-08	3.18E-09	7.69E-08	5.40E-08	4.68E-08	1.40E-08	1.95E-07
475363.09, 3854877.25	0.00129	0.000261	9.05E-08	2.73E-07	2.16E-07	1.87E-07	8.39E-08	3.02E-09	7.30E-08	5.13E-08	4.44E-08	1.32E-08	1.85E-07
475863.09, 3854877.25	0.00124	0.000251	8.69E-08	2.63E-07	2.07E-07	1.79E-07	8.07E-08	2.90E-09	7.01E-08	4.93E-08	4.26E-08	1.27E-08	1.78E-07
476363.09, 3854877.25	0.00113	0.000229	7.92E-08	2.39E-07	1.89E-07	1.64E-07	7.35E-08	2.65E-09	6.39E-08	4.49E-08	3.89E-08	1.16E-08	1.62E-07
476863.09, 3854877.25	0.00112	0.000227	7.85E-08	2.37E-07	1.87E-07	1.62E-07	7.29E-08	2.62E-09	6.33E-08	4.45E-08	3.85E-08	1.15E-08	1.60E-07
477363.09, 3854877.25	0.00119	0.000241	8.34E-08	2.52E-07	1.99E-07	1.72E-07	7.74E-08	2.79E-09	6.73E-08	4.73E-08	4.09E-08	1.22E-08	1.70E-07
477863.09, 3854877.25	0.00126	0.000255	8.83E-08	2.67E-07	2.11E-07	1.82E-07	8.20E-08	2.95E-09	7.13E-08	5.01E-08	4.33E-08	1.29E-08	1.81E-07
478363.09, 3854877.25	0.00139	0.000282	9.75E-08	2.94E-07	2.32E-07	2.01E-07	9.04E-08	3.25E-09	7.86E-08	5.52E-08	4.78E-08	1.43E-08	1.99E-07
478863.09, 3854877.25	0.00157	0.000318	1.10E-07	3.32E-07	2.63E-07	2.27E-07	1.02E-07	3.68E-09	8.88E-08	6.24E-08	5.40E-08	1.61E-08	2.25E-07
479363.09, 3854877.25	0.00175	0.000354	1.23E-07	3.70E-07	2.93E-07	2.53E-07	1.14E-07	4.10E-09	9.90E-08	6.95E-08	6.02E-08	1.80E-08	2.51E-07
479863.09, 3854877.25	0.00188	0.000381	1.32E-07	3.98E-07	3.14E-07	2.72E-07	1.22E-07	4.40E-09	1.06E-07	7.47E-08	6.46E-08	1.93E-08	2.69E-07
480363.09, 3854877.25	0.002	0.000405	1.40E-07	4.23E-07	3.34E-07	2.89E-07	1.30E-07	4.68E-09	1.13E-07	7.95E-08	6.88E-08	2.05E-08	2.87E-07
480863.09, 3854877.25	0.00237	0.00048	1.66E-07	5.02E-07	3.96E-07	3.43E-07	1.54E-07	5.55E-09	1.34E-07	9.42E-08	8.15E-08	2.43E-08	3.40E-07
481363.09, 3854877.25	0.00277	0.000561	1.94E-07	5.86E-07	4.63E-07	4.01E-07	1.80E-07	6.49E-09	1.57E-07	1.10E-07	9.52E-08	2.84E-08	3.97E-07
481863.09, 3854877.25	0.00271	0.000549	1.90E-07	5.74E-07	4.53E-07	3.92E-07	1.76E-07	6.35E-09	1.53E-07	1.08E-07	9.32E-08	2.78E-08	3.88E-07
482363.09, 3854877.25	0.0059	0.001195	4.14E-07	1.25E-06	9.87E-07	8.54E-07	3.84E-07	1.38E-08	3.34E-07	2.34E-07	2.03E-07	6.06E-08	8.45E-07
482863.09, 3854877.25	0.00584	0.001183	4.09E-07	1.24E-06	9.77E-07	8.45E-07	3.80E-07	1.37E-08	3.30E-07	2.32E-07	2.01E-07	5.99E-08	8.37E-07
483363.09, 3854877.25	0.00567	0.001148	3.98E-07	1.20E-06	9.48E-07	8.20E-07	3.69E-07	1.33E-08	3.21E-07	2.25E-07	1.95E-07	5.82E-08	8.12E-07
483863.09, 3854877.25	0.00402	0.000814	2.82E-07	8.51E-07	6.72E-07	5.82E-07	2.62E-07	9.41E-09	2.27E-07	1.60E-07	1.38E-07	4.13E-08	5.76E-07
484363.09, 3854877.25	0.00314	0.000636	2.20E-07	6.65E-07	5.25E-07	4.54E-07	2.04E-07	7.35E-09	1.78E-07	1.25E-07	1.08E-07	3.22E-08	4.50E-07
484863.09, 3854877.25	0.0032	0.000648	2.24E-07	6.77E-07	5.35E-07	4.63E-07	2.08E-07	7.49E-09	1.81E-07	1.27E-07	1.10E-07	3.28E-08	4.58E-07
485363.09, 3854877.25	0.00332	0.000672	2.33E-07	7.03E-07	5.55E-07	4.80E-07	2.16E-07	7.77E-09	1.88E-07	1.32E-07	1.14E-07	3.41E-08	4.76E-07
485863.09, 3854877.25	0.00313	0.000634	2.19E-07	6.63E-07	5.23E-07	4.53E-07	2.04E-07	7.33E-09	1.77E-07	1.24E-07	1.08E-07	3.21E-08	4.48E-07
486363.09, 3854877.25	0.00287	0.000581	2.01E-07	6.08E-07	4.80E-07	4.15E-07	1.87E-07	6.72E-09	1.62E-07	1.14E-07	9.87E-08	2.95E-08	4.11E-07
486863.09, 3854877.25	0.00278	0.000563	1.95E-07	5.89E-07	4.65E-07	4.02E-07	1.81E-07	6.51E-09	1.57E-07	1.10E-07	9.56E-08	2.85E-08	3.98E-07
487363.09, 3854877.25	0.003	0.000608	2.10E-07	6.35E-07	5.02E-07	4.34E-07	1.95E-07	7.02E-09	1.70E-07	1.19E-07	1.03E-07	3.08E-08	4.30E-07
487863.09, 3854877.25	0.00324	0.000656	2.27E-07	6.86E-07	5.42E-07	4.69E-07	2.11E-07	7.59E-09	1.83E-07	1.29E-07	1.11E-07	3.33E-08	4.64E-07
488363.09, 3854877.25	0.00329	0.000666	2.31E-07	6.97E-07	5.50E-07	4.76E-07	2.14E-07	7.70E-09	1.86E-07	1.31E-07	1.13E-07	3.38E-08	4.71E-07
488863.09, 3854877.25	0.00313	0.000634	2.19E-07	6.63E-07	5.23E-07	4.53E-07	2.04E-07	7.33E-09	1.77E-07	1.24E-07	1.08E-07	3.21E-08	4.48E-07
489363.09, 3854877.25	0.00294	0.000596	2.06E-07	6.22E-07	4.92E-07	4.25E-07	1.91E-07	6.88E-09	1.66E-07	1.17E-07	1.01E-07	3.02E-08	4.21E-07
489863.09, 3854877.25	0.00264	0.000535	1.85E-07	5.59E-07	4.41E-07	3.82E-07	1.72E-07	6.18E-09	1.49E-07	1.05E-07	9.08E-08	2.71E-08	3.78E-07
490363.09, 3854877.25	0.00212	0.000429	1.49E-07	4.49E-07	3.55E-07	3.07E-07	1.38E-07	4.96E-09	1.20E-07	8.42E-08	7.29E-08	2.18E-08	3.04E-07
490863.09, 3854877.25	0.00179	0.000363	1.26E-07	3.79E-07	2.99E-07	2.59E-07	1.16E-07	4.19E-09	1.01E-07	7.11E-08	6.15E-08	1.84E-08	2.56E-07
491363.09, 3854877.25	0.00178	0.000361	1.25E-07	3.77E-07	2.98E-07	2.58E-07	1.16E-07	4.17E-09	1.01E-07	7.07E-08	6.12E-08	1.83E-08	2.55E-07
491863.09, 3854877.25	0.00228	0.000462	1.60E-07	4.83E-07	3.81E-07	3.30E-07	1.48E-07	5.34E-09	1.29E-07	9.06E-08	7.84E-08	2.34E-08	3.27E-07
492363.09, 3854877.25	0.00234	0.000474	1.64E-07	4.95E-07	3.91E-07	3.39E-07	1.52E-07	5.48E-09	1.32E-07	9.30E-08	8.05E-08	2.40E-08	3.35E-07
492863.09, 3854877.25	0.00229	0.000464	1.61E-07	4.85E-07	3.83E-07	3.31E-07	1.49E-07	5.36E-09	1.30E-07	9.10E-08	7.87E-08	2.35E-08	3.28E-07
493363.09, 3854877.25	0.00218	0.000442	1.53E-07	4.62E-07	3.65E-07	3.15E-07	1.42E-07	5.10E-09	1.23E-07	8.66E-08	7.50E-08	2.24E-08	3.12E-07
493863.09, 3854877.25	0.00195	0.000395	1.37E-07	4.13E-07	3.26E-07	2.82E-07	1.27E-07	4.57E-09	1.10E-07	7.75E-08	6.70E-08	2.00E-08	2.79E-07
494363.09, 3854877.25	0.00158	0.00032	1.11E-07	3.35E-07	2.64E-07	2.29E-07	1.03E-07	3.70E-09	8.94E-08	6.28E-08	5.43E-08	1.62E-08	2.26E-07
494863.09, 3854877.25	0.00137	0.000277	9.61E-08	2.90E-07	2.29E-07	1.98E-07	8.91E-08	3.21E-09	7.75E-08	5.44E-08	4.71E-08	1.41E-08	1.96E-07
495363.09, 3854877.25	0.00122	0.000247	8.55E-08	2.58E-07	2.04E-07	1.77E-07	7.94E-08	2.86E-09	6.90E-08	4.85E-08	4.19E-08	1.25E-08	1.75E-07
495863.09, 3854877.25	0.00111	0.000225	7.78E-08	2.35E-07	1.86E-07	1.61E-07	7.22E-08	2.60E-09	6.28E-08	4.41E-08	3.82E-08	1.14E-08	1.59E-07
496363.09, 3854877.25	0.00099	0.000201	6.94E-08	2.10E-07	1.66E-07	1.43E-07	6.44E-08	2.32E-09	5.60E-08	3.93E-08	3.40E-08	1.02E-08	1.42E-07
496863.09, 3854877.25	0.00095	0.000192	6.66E-08	2.01E-07	1.59E-07	1.37E-07	6.18E-08	2.22E-09	5.37E-08	3.77E-08	3.27E-08	9.75E-09	1.36E-07
497363.09, 3854877.25	0.00095	0.000192	6.66E-08	2.01E-07	1.59E-07	1.37E-07	6.18E-08	2.22E-09	5.37E-08	3.77E-08	3.27E-08	9.75E-09	1.36E-07
497863.09, 3854877.25	0.00101	0.000205	7.08E-08	2.14E-07	1.69E-07	1.46E-07	6.57E-08	2.36E-09	5.71E-08	4.01E-08	3.47E-08	1.04E-08	1.45E-07
498363.09, 3854877.25	0.00105	0.000213	7.36E-08	2.22E-07	1.76E-07	1.52E-07	6.83E-08	2.46E-09	5.94E-08	4.17E-08	3.61E-08	1.08E-08	1.50E-07
471363.09, 3855377.25	0.00161	0.000326	1.13E-07	3.41E-07	2.69E-07	2.33E-07	1.05E-07	3.77E-09	9.11E-08	6.40E-08	5.54E-08	1.65E-08	2.31E-07
471863.09, 3855377.25	0.00164	0.000332	1.15E-07	3.47E-07	2.74E-07	2.37E-07	1.07E-07	3.84E-09	9.28E-08	6.52E-08	5.64E-08	1.68E-08	2.35E-07
472363.09, 3855377.25	0.0017	0.000344	1.19E-07	3.60E-07	2.84E-07	2.46E-07	1.11E-07	3.98E-09	9.61E-08	6.75E-08	5.84E-08	1.74E-08	2.44E-07
472863.09, 3855377.25	0.00172	0.000348	1.21E-07	3.64E-07	2.88E-07	2.49E-07	1.12E-07	4.03E-09	9.73E-08	6.83E-08	5.91E-08	1.77E-08	2.46E-07
473363.09, 3855377.25	0.00179	0.000363	1.26E-07	3.79E-07	2.99E-07	2.59E-07	1.16E-07	4.19E-09	1.01E-07	7.11E-08	6.15E-08	1.84E-08	2.56E-07
473863.09, 3855377.25	0.00181	0.000367	1.27E-07	3.83E-07	3.03E-07	2.62E-07	1.18E-07	4.24E-09	1.02E-07	7.19E-08	6.22E-08	1.86E-08	2.59E-07
474363.09, 3855377.25	0.00176	0.000356	1.23E-07	3.73E-07	2.94E-07	2.55E-07	1.15E-07	4.12E-09	9.95E-08	6.99E-08	6.05E-08	1.81E-08	2.52E-07
474863.09, 3855377.25	0.00154	0.000312	1.08E-07	3.26E-07	2.58E-07	2.23E-07	1.00E-07	3.61E-09	8.71E-08	6.12E-08	5.29E-08	1.58E-08	2.21E-07
475363.09, 3855377.25	0.00123	0.000249	8.62E-08	2.60E-07	2.06E-07	1.78E-07	8.00E-08	2.88E-09	6.96E-08	4.89E-08	4.23E-08	1.26E-08	1.76E-07
475863.09, 3855377.25	0.00116	0.000235	8.13E-08	2.46E-07	1.94E-07	1.68E-07	7.55E-08	2.72E-09	6.56E-08	4.61E-08	3.99E-08	1.19E-08	1.66E-07
476363.09, 3855377.25	0.0012	0.000243	8.41E-08	2.54E-07	2.01E-07	1.74E-07	7.81E-08	2.81E-09	6.79E-08	4.77E-08	4.13E-08	1.23E-08	1.72E-07
476863.09, 3855377.25	0.00121	0.000245	8.48E-08	2.56E-07	2.02E-07	1.75E-07	7.87E-08	2.83E-09	6.84E-08	4.81E-08	4.16E-08	1.24E-08	1.73E-07
477363.09, 3855377.25	0.00126	0.000255	8.83E-08	2.67E-07	2.11E-07	1.82E-07	8.20E-08	2.95E-09	7.13E-08	5.01E-08	4.33E-08	1.29E-08	1.81E-07
477863.09, 3855377.25	0.00138	0.00028	9.68E-08	2.92E-07	2.31E-07	2.00E-07	8.98E-08	3.23E-09	7.80E-08	5.48E-08	4.74E-08	1.42E-08	1.98E-07
478363.09, 3855377.25	0.00151	0.000306	1.06E-07	3.20E-07	2.53E-07	2.18E-07	9.83E-08	3.54E-09	8.54E-08	6.00E-08	5.19E-08	1.55E-08	2.16E-07
478863.09, 3855377.25	0.00167	0.000338	1.17E-07	3.54E-07	2.79E-07	2.42E-07	1.09E-07	3.91E-09	9.44E-08	6.64E-08	5.74E-08	1.71E-08	2.39E-07
479363.09, 3855377.25	0.00194	0.000393	1.36E-07	4.11E-07	3.24E-07	2.81E-07	1.26E-07	4.54E-09	1.10E-07	7.71E-08	6.67E-08	1.99E-08	2.78E-07
479863.09, 3855377.25	0.00215	0.000435	1.51E-07	4.55E-07	3.60E-07	3.11E-07	1.40E-07	5.03E-09	1.22E-07	8.54E-08	7.39E-08	2.21E-08	3.08E-07
480363.09, 3855377.25	0.00239	0.000484	1.68E-07	5.06E-07	4.00E-07	3.46E-07	1.56E-07	5.60E-09	1.35E-07	9.50E-08	8.22E-08	2.45E-08	3.42E-07
480863.09, 3855377.25	0.00279	0.000565	1.96E-07	5.91E-07	4.67E-07	4.04E-07	1.82E-07	6.53E-09	1.58E-07	1.11E-07	9.59E-08	2.86E-08	4.00E-07
481363.09, 3855377.25	0.00343	0.000695	2.41E-07	7.26E-07	5.74E-07	4.96E-07	2.23E-07	8.03E-09	1.94E-07	1.36E-07	1.18E-07	3.52E-08	4.91E-07
481863.09, 3855377.25	0.00448	0.000907	3.14E-07	9.48E-07	7.49E-07	6.48E-07	2.91E-07	1.05E-08	2.53E-07	1.78E-07	1.54E-07	4.60E-08	6.42E-07
482363.09, 3855377.25	0.00609	0.001234	4.27E-07	1.29E-06	1.02E-06	8.81E-07	3.96E-07	1.43E-08	3.44E-07	2.42E-07	2.09E-07	6.25E-08	8.73E-07
482863.09, 3855377.25	0.00644	0.001304	4.52E-07	1.36E-06	1.08E-06	9.32E-07	4.19E-07	1.51E-08	3.64E-07	2.56E-07	2.21E-07	6.61E-08	9.23E-07
483363.09, 3855377.25	0.00702	0.001422	4.92E-07	1.49E-06	1.17E-06	1.02E-06	4.57E-07	1.64E-08	3.97E-07	2.79E-07	2.41E-07	7.20E-08	1.01E-06
483863.09, 3855377.25	0.00665	0.001347	4.66E-07	1.41E-06	1.11E-06	9.62E-07	4.33E-07	1.56E-08	3.76E-07	2.64E-07	2.29E-07	6.82E-08	9.53E-07
484363.09, 3855377.25	0.0046	0.000932	3.23E-07	9.74E-07	7.69E-07	6.66E-07	2.99E-07	1.08E-08	2.60E-07	1.83E-07	1.58E-07	4.72E-08	6.59E-07
484863.09, 3855377.25	0.00422	0.000855	2.96E-07	8.93E-07	7.06E-07	6.11E-07	2.75E-07	9.88E-09	2.39E-07	1.68E-07	1.45E-07	4.33E-08	6.05E-07
485363.09, 3855377.25	0.00386	0.000782	2.71E-07	8.17E-07	6.46E-07	5.59E-07	2.51E-07	9.04E-09	2.18E-07	1.53E-07	1.33E-07	3.96E-08	5.53E-07
485863.09, 3855377.25	0.00399	0.000808	2.80E-07	8.45E-07	6.67E-07	5.77E-07	2.60E-07	9.34E-09	2.26E-07	1.59E-07	1.37E-07	4.09E-08	5.72E-07
486363.09, 3855377.25	0.00383	0.000776	2.69E-07	8.11E-07	6.40E-07	5.54E-07	2.49E-07	8.97E-09	2.17E-07	1.52E-07	1.32E-07	3.93E-08	5.49E-07
486863.09, 3855377.25	0.00345	0.000699	2.42E-07	7.30E-07	5.77E-07	4.99E-07	2.24E-07	8.08E-09	1.95E-07	1.37E-07	1.19E-07	3.54E-08	4.94E-07
487363.09, 3855377.25	0.00358	0.000725	2.51E-07	7.58E-07	5.99E-07	5.18E-07	2.33E-07	8.38E-09	2.02E-07	1.42E-07	1.23E-07	3.67E-08	5.13E-07
487863.09, 3855377.25	0.0039	0.00079	2.73E-07	8.26E-07	6.52E-07	5.64E-07	2.54E-07	9.13E-09	2.21E-07	1.55E-07	1.34E-07	4.00E-08	5.59E-07
488363.09, 3855377.25	0.0043	0.000871	3.02E-07	9.10E-07	7.19E-07	6.22E-07	2.80E-07	1.01E-08	2.43E-07	1.71E-07	1.48E-07	4.41E-08	6.16E-07
488863.09, 3855377.25	0.00433	0.000877	3.04E-07	9.17E-07	7.24E-07	6.27E-07	2.82E-07	1.01E-08	2.45E-07	1.72E-07	1.49E-07	4.44E-08	6.20E-07
489363.09, 3855377.25	0.00388	0.000786	2.72E-07	8.21E-07	6.49E-07	5.61E-07	2.52E-07	9.08E-09	2.19E-07	1.54E-07	1.33E-07	3.98E-08	5.56E-07
489863.09, 3855377.25	0.00344	0.000697	2.41E-07	7.28E-07	5.75E-07	4.98E-07	2.24E-07	8.05E-09	1.95E-07	1.37E-07	1.18E-07	3.53E-08	4.93E-07
490363.09, 3855377.25	0.00321	0.00065	2.25E-07	6.80E-07	5.37E-07	4.64E-07	2.09E-07	7.52E-09	1.82E-07	1.28E-07	1.10E-07	3.29E-08	4.60E-07
490863.09, 3855377.25	0.00226	0.000458	1.58E-07	4.78E-07	3.78E-07	3.27E-07	1.47E-07	5.29E-09	1.28E-07	8.98E-08	7.77E-08	2.32E-08	3.24E-07
491363.09, 3855377.25	0.00204	0.000413	1.43E-07	4.32E-07	3.41E-07	2.95E-07	1.33E-07	4.78E-09	1.15E-07	8.11E-08	7.01E-08	2.09E-08	2.92E-07
491863.09, 3855377.25	0.0026	0.000527	1.82E-07	5.50E-07	4.35E-07	3.76E-07	1.69E-07	6.09E-09	1.47E-07	1.03E-07	8.94E-08	2.67E-08	3.73E-07
492363.09, 3855377.25	0.00272	0.000551	1.91E-07	5.76E-07	4.55E-07	3.94E-07	1.77E-07	6.37E-09	1.54E-07	1.08E-07	9.35E-08	2.79E-08	3.90E-07
492863.09, 3855377.25	0.00261	0.000529	1.83E-07	5.53E-07	4.36E-07	3.78E-07	1.70E-07	6.11E-09	1.48E-07	1.04E-07	8.97E-08	2.68E-08	3.74E-07
493363.09, 3855377.25	0.00237	0.00048	1.66E-07	5.02E-07	3.96E-07	3.43E-07	1.54E-07	5.55E-09	1.34E-07	9.42E-08	8.15E-08	2.43E-08	3.40E-07
493863.09, 3855377.25	0.00191	0.000387	1.34E-07	4.04E-07	3.19E-07	2.76E-07	1.24E-07	4.47E-09	1.08E-07	7.59E-08	6.57E-08	1.96E-08	2.74E-07
494363.09, 3855377.25	0.00159	0.000322	1.11E-07	3.37E-07	2.66E-07	2.30E-07	1.03E-07	3.72E-09	8.99E-08	6.32E-08	5.47E-08	1.63E-08	2.28E-07
494863.09, 3855377.25	0.00138	0.00028	9.68E-08	2.92E-07	2.31E-07	2.00E-07	8.98E-08	3.23E-09	7.80E-08	5.48E-08	4.74E-08	1.42E-08	1.98E-07
495363.09, 3855377.25	0.00121	0.000245	8.48E-08	2.56E-07	2.02E-07	1.75E-07	7.87E-08	2.83E-09	6.84E-08	4.81E-08	4.16E-08	1.24E-08	1.73E-07
495863.09, 3855377.25	0.00108	0.000219	7.57E-08	2.29E-07	1.81E-07	1.56E-07	7.03E-08	2.53E-09	6.11E-08	4.29E-08	3.71E-08	1.11E-08	1.55E-07

496363.09, 3855377.25	0.00105	0.000213	7.36E-08	2.22E-07	1.76E-07	1.52E-07	6.83E-08	2.46E-09	5.94E-08	4.17E-08	3.61E-08	1.08E-08	1.50E-07
496863.09, 3855377.25	0.00106	0.000215	7.43E-08	2.24E-07	1.77E-07	1.53E-07	6.90E-08	2.48E-09	6.00E-08	4.21E-08	3.64E-08	1.09E-08	1.52E-07
497363.09, 3855377.25	0.00109	0.000221	7.64E-08	2.31E-07	1.82E-07	1.58E-07	7.09E-08	2.55E-09	6.16E-08	4.33E-08	3.75E-08	1.12E-08	1.56E-07
497863.09, 3855377.25	0.00115	0.000233	8.06E-08	2.43E-07	1.92E-07	1.66E-07	7.48E-08	2.69E-09	6.50E-08	4.57E-08	3.95E-08	1.18E-08	1.65E-07
498363.09, 3855377.25	0.00128	0.000259	8.97E-08	2.71E-07	2.14E-07	1.85E-07	8.33E-08	3.00E-09	7.24E-08	5.09E-08	4.40E-08	1.31E-08	1.83E-07
471363.09, 3855877.25	0.00171	0.000346	1.20E-07	3.62E-07	2.86E-07	2.47E-07	1.11E-07	4.00E-09	9.67E-08	6.79E-08	5.88E-08	1.75E-08	2.45E-07
471863.09, 3855877.25	0.00173	0.00035	1.21E-07	3.66E-07	2.89E-07	2.50E-07	1.13E-07	4.05E-09	9.78E-08	6.87E-08	5.95E-08	1.78E-08	2.48E-07
472363.09, 3855877.25	0.0018	0.000365	1.26E-07	3.81E-07	3.01E-07	2.60E-07	1.17E-07	4.21E-09	1.02E-07	7.15E-08	6.19E-08	1.85E-08	2.58E-07
472863.09, 3855877.25	0.0018	0.000365	1.26E-07	3.81E-07	3.01E-07	2.60E-07	1.17E-07	4.21E-09	1.02E-07	7.15E-08	6.19E-08	1.85E-08	2.58E-07
473363.09, 3855877.25	0.00189	0.000383	1.33E-07	4.00E-07	3.16E-07	2.73E-07	1.23E-07	4.43E-09	1.07E-07	7.51E-08	6.50E-08	1.94E-08	2.71E-07
473863.09, 3855877.25	0.00196	0.000397	1.37E-07	4.15E-07	3.28E-07	2.84E-07	1.28E-07	4.59E-09	1.11E-07	7.79E-08	6.74E-08	2.01E-08	2.81E-07
474363.09, 3855877.25	0.00198	0.000401	1.39E-07	4.19E-07	3.31E-07	2.87E-07	1.29E-07	4.64E-09	1.12E-07	7.87E-08	6.81E-08	2.03E-08	2.84E-07
474863.09, 3855877.25	0.00176	0.000356	1.23E-07	3.73E-07	2.94E-07	2.55E-07	1.15E-07	4.12E-09	9.95E-08	6.99E-08	6.05E-08	1.81E-08	2.52E-07
475363.09, 3855877.25	0.00146	0.000296	1.02E-07	3.09E-07	2.44E-07	2.11E-07	9.50E-08	3.42E-09	8.26E-08	5.80E-08	5.02E-08	1.50E-08	2.09E-07
475863.09, 3855877.25	0.00116	0.000235	8.13E-08	2.46E-07	1.94E-07	1.68E-07	7.55E-08	2.72E-09	6.56E-08	4.61E-08	3.99E-08	1.19E-08	1.66E-07
476363.09, 3855877.25	0.00117	0.000237	8.20E-08	2.48E-07	1.96E-07	1.69E-07	7.61E-08	2.74E-09	6.62E-08	4.65E-08	4.02E-08	1.20E-08	1.68E-07
476863.09, 3855877.25	0.00129	0.000261	9.05E-08	2.73E-07	2.16E-07	1.87E-07	8.39E-08	3.02E-09	7.30E-08	5.13E-08	4.44E-08	1.32E-08	1.85E-07
477363.09, 3855877.25	0.00133	0.000269	9.33E-08	2.82E-07	2.22E-07	1.92E-07	8.65E-08	3.11E-09	7.52E-08	5.28E-08	4.57E-08	1.36E-08	1.91E-07
477863.09, 3855877.25	0.00139	0.000282	9.75E-08	2.94E-07	2.32E-07	2.01E-07	9.04E-08	3.25E-09	7.86E-08	5.52E-08	4.78E-08	1.43E-08	1.99E-07
478363.09, 3855877.25	0.0015	0.000304	1.05E-07	3.18E-07	2.51E-07	2.17E-07	9.76E-08	3.51E-09	8.48E-08	5.96E-08	5.16E-08	1.54E-08	2.15E-07
478863.09, 3855877.25	0.00168	0.00034	1.18E-07	3.56E-07	2.81E-07	2.43E-07	1.09E-07	3.93E-09	9.50E-08	6.68E-08	5.78E-08	1.72E-08	2.41E-07
479363.09, 3855877.25	0.00194	0.000393	1.36E-07	4.11E-07	3.24E-07	2.81E-07	1.26E-07	4.54E-09	1.10E-07	7.71E-08	6.67E-08	1.99E-08	2.78E-07
479863.09, 3855877.25	0.00228	0.000462	1.60E-07	4.83E-07	3.81E-07	3.30E-07	1.48E-07	5.34E-09	1.29E-07	9.06E-08	7.84E-08	2.34E-08	3.27E-07
480363.09, 3855877.25	0.00285	0.000577	2.00E-07	6.03E-07	4.77E-07	4.12E-07	1.85E-07	6.67E-09	1.61E-07	1.13E-07	9.80E-08	2.92E-08	4.08E-07
480863.09, 3855877.25	0.00358	0.000725	2.51E-07	7.58E-07	5.99E-07	5.18E-07	2.33E-07	8.38E-09	2.02E-07	1.42E-07	1.23E-07	3.67E-08	5.13E-07
481363.09, 3855877.25	0.00336	0.000681	2.36E-07	7.11E-07	5.62E-07	4.86E-07	2.19E-07	7.87E-09	1.90E-07	1.34E-07	1.16E-07	3.45E-08	4.81E-07
481863.09, 3855877.25	0.00489	0.00099	3.43E-07	1.04E-06	8.18E-07	7.08E-07	3.18E-07	1.14E-08	2.77E-07	1.94E-07	1.68E-07	5.02E-08	7.01E-07
482363.09, 3855877.25	0.00646	0.001308	4.53E-07	1.37E-06	1.08E-06	9.35E-07	4.20E-07	1.51E-08	3.65E-07	2.57E-07	2.22E-07	6.63E-08	9.26E-07
482863.09, 3855877.25	0.00653	0.001323	4.58E-07	1.38E-06	1.09E-06	9.45E-07	4.25E-07	1.53E-08	3.69E-07	2.59E-07	2.25E-07	6.70E-08	9.36E-07
483363.09, 3855877.25	0.00713	0.001444	5.00E-07	1.51E-06	1.19E-06	1.03E-06	4.64E-07	1.67E-08	4.03E-07	2.83E-07	2.45E-07	7.32E-08	1.02E-06
483863.09, 3855877.25	0.00785	0.00159	5.50E-07	1.66E-06	1.31E-06	1.14E-06	5.11E-07	1.84E-08	4.44E-07	3.12E-07	2.70E-07	8.06E-08	1.12E-06
484363.09, 3855877.25	0.00701	0.00142	4.92E-07	1.48E-06	1.17E-06	1.01E-06	4.56E-07	1.64E-08	3.96E-07	2.79E-07	2.41E-07	7.19E-08	1.00E-06
484863.09, 3855877.25	0.00596	0.001207	4.18E-07	1.26E-06	9.97E-07	8.62E-07	3.88E-07	1.40E-08	3.37E-07	2.37E-07	2.05E-07	6.12E-08	8.54E-07
485363.09, 3855877.25	0.00535	0.001084	3.75E-07	1.13E-06	8.95E-07	7.74E-07	3.48E-07	1.25E-08	3.03E-07	2.13E-07	1.84E-07	5.49E-08	7.67E-07
485863.09, 3855877.25	0.00451	0.000914	3.16E-07	9.55E-07	7.54E-07	6.53E-07	2.93E-07	1.06E-08	2.55E-07	1.79E-07	1.55E-07	4.63E-08	6.46E-07
486363.09, 3855877.25	0.0042	0.000851	2.94E-07	8.89E-07	7.02E-07	6.08E-07	2.73E-07	9.83E-09	2.38E-07	1.67E-07	1.44E-07	4.31E-08	6.02E-07
486863.09, 3855877.25	0.00437	0.000885	3.06E-07	9.25E-07	7.31E-07	6.32E-07	2.84E-07	1.02E-08	2.47E-07	1.74E-07	1.50E-07	4.48E-08	6.26E-07
487363.09, 3855877.25	0.00467	0.000946	3.27E-07	9.89E-07	7.81E-07	6.76E-07	3.04E-07	1.09E-08	2.64E-07	1.86E-07	1.61E-07	4.79E-08	6.69E-07
487863.09, 3855877.25	0.0048	0.000972	3.37E-07	1.02E-06	8.03E-07	6.95E-07	3.12E-07	1.12E-08	2.71E-07	1.91E-07	1.65E-07	4.93E-08	6.88E-07
488363.09, 3855877.25	0.00519	0.001051	3.64E-07	1.10E-06	8.68E-07	7.51E-07	3.38E-07	1.22E-08	2.94E-07	2.06E-07	1.78E-07	5.33E-08	7.44E-07
488863.09, 3855877.25	0.00568	0.001151	3.98E-07	1.20E-06	9.50E-07	8.22E-07	3.70E-07	1.33E-08	3.21E-07	2.26E-07	1.95E-07	5.83E-08	8.14E-07
489363.09, 3855877.25	0.00558	0.00113	3.91E-07	1.18E-06	9.33E-07	8.07E-07	3.63E-07	1.31E-08	3.16E-07	2.22E-07	1.92E-07	5.73E-08	7.99E-07
489863.09, 3855877.25	0.00489	0.00099	3.43E-07	1.04E-06	8.18E-07	7.08E-07	3.18E-07	1.14E-08	2.77E-07	1.94E-07	1.68E-07	5.02E-08	7.01E-07
490363.09, 3855877.25	0.00445	0.000901	3.12E-07	9.42E-07	7.44E-07	6.44E-07	2.90E-07	1.04E-08	2.52E-07	1.77E-07	1.53E-07	4.57E-08	6.38E-07
490863.09, 3855877.25	0.00374	0.000758	2.62E-07	7.92E-07	6.25E-07	5.41E-07	2.43E-07	8.76E-09	2.12E-07	1.49E-07	1.29E-07	3.84E-08	5.36E-07
491363.09, 3855877.25	0.00298	0.000604	2.09E-07	6.31E-07	4.98E-07	4.31E-07	1.94E-07	6.98E-09	1.69E-07	1.18E-07	1.02E-07	3.06E-08	4.27E-07
491863.09, 3855877.25	0.00323	0.000654	2.26E-07	6.84E-07	5.40E-07	4.67E-07	2.10E-07	7.56E-09	1.83E-07	1.28E-07	1.11E-07	3.31E-08	4.63E-07
492363.09, 3855877.25	0.00309	0.000626	2.17E-07	6.54E-07	5.17E-07	4.47E-07	2.01E-07	7.23E-09	1.75E-07	1.23E-07	1.06E-07	3.17E-08	4.43E-07
492863.09, 3855877.25	0.00294	0.000596	2.06E-07	6.22E-07	4.92E-07	4.25E-07	1.91E-07	6.88E-09	1.66E-07	1.17E-07	1.01E-07	3.02E-08	4.21E-07
493363.09, 3855877.25	0.00243	0.000492	1.70E-07	5.14E-07	4.06E-07	3.52E-07	1.58E-07	5.69E-09	1.37E-07	9.66E-08	8.35E-08	2.49E-08	3.48E-07
493863.09, 3855877.25	0.002	0.000405	1.40E-07	4.23E-07	3.34E-07	2.89E-07	1.30E-07	4.68E-09	1.13E-07	7.95E-08	6.88E-08	2.05E-08	2.87E-07
494363.09, 3855877.25	0.00164	0.000332	1.15E-07	3.47E-07	2.74E-07	2.37E-07	1.07E-07	3.84E-09	9.28E-08	6.52E-08	5.64E-08	1.68E-08	2.35E-07
494863.09, 3855877.25	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
495363.09, 3855877.25	0.0012	0.000243	8.41E-08	2.54E-07	2.01E-07	1.74E-07	7.81E-08	2.81E-09	6.79E-08	4.77E-08	4.13E-08	1.23E-08	1.72E-07
495863.09, 3855877.25	0.00114	0.000231	7.99E-08	2.41E-07	1.91E-07	1.65E-07	7.42E-08	2.67E-09	6.45E-08	4.53E-08	3.92E-08	1.17E-08	1.63E-07
496363.09, 3855877.25	0.00116	0.000235	8.13E-08	2.46E-07	1.94E-07	1.68E-07	7.55E-08	2.72E-09	6.56E-08	4.61E-08	3.99E-08	1.19E-08	1.66E-07
496863.09, 3855877.25	0.00121	0.000245	8.48E-08	2.56E-07	2.02E-07	1.75E-07	7.87E-08	2.83E-09	6.84E-08	4.81E-08	4.16E-08	1.24E-08	1.73E-07
497363.09, 3855877.25	0.00127	0.000257	8.90E-08	2.69E-07	2.12E-07	1.84E-07	8.26E-08	2.97E-09	7.18E-08	5.05E-08	4.37E-08	1.30E-08	1.82E-07
497863.09, 3855877.25	0.00139	0.000282	9.75E-08	2.94E-07	2.32E-07	2.01E-07	9.04E-08	3.25E-09	7.86E-08	5.52E-08	4.78E-08	1.43E-08	1.99E-07
498363.09, 3855877.25	0.00165	0.000334	1.16E-07	3.49E-07	2.76E-07	2.39E-07	1.07E-07	3.86E-09	9.33E-08	6.56E-08	5.67E-08	1.69E-08	2.36E-07
471363.09, 3856377.25	0.00171	0.000346	1.20E-07	3.62E-07	2.86E-07	2.47E-07	1.11E-07	4.00E-09	9.67E-08	6.79E-08	5.88E-08	1.75E-08	2.45E-07
471863.09, 3856377.25	0.00176	0.000356	1.23E-07	3.73E-07	2.94E-07	2.55E-07	1.15E-07	4.12E-09	9.95E-08	6.99E-08	6.05E-08	1.81E-08	2.52E-07
472363.09, 3856377.25	0.00185	0.000375	1.30E-07	3.92E-07	3.09E-07	2.68E-07	1.20E-07	4.33E-09	1.05E-07	7.35E-08	6.36E-08	1.90E-08	2.65E-07
472863.09, 3856377.25	0.00196	0.000397	1.37E-07	4.15E-07	3.28E-07	2.84E-07	1.28E-07	4.59E-09	1.11E-07	7.79E-08	6.74E-08	2.01E-08	2.81E-07
473363.09, 3856377.25	0.00203	0.000411	1.42E-07	4.30E-07	3.39E-07	2.94E-07	1.32E-07	4.75E-09	1.15E-07	8.07E-08	6.98E-08	2.08E-08	2.91E-07
473863.09, 3856377.25	0.00215	0.000435	1.51E-07	4.55E-07	3.60E-07	3.11E-07	1.40E-07	5.03E-09	1.22E-07	8.54E-08	7.39E-08	2.21E-08	3.08E-07
474363.09, 3856377.25	0.00207	0.000419	1.45E-07	4.38E-07	3.46E-07	3.00E-07	1.35E-07	4.85E-09	1.17E-07	8.22E-08	7.12E-08	2.12E-08	2.97E-07
474863.09, 3856377.25	0.00194	0.000393	1.36E-07	4.11E-07	3.24E-07	2.81E-07	1.26E-07	4.54E-09	1.10E-07	7.71E-08	6.67E-08	1.99E-08	2.78E-07
475363.09, 3856377.25	0.00174	0.000352	1.22E-07	3.68E-07	2.91E-07	2.52E-07	1.13E-07	4.07E-09	9.84E-08	6.91E-08	5.98E-08	1.79E-08	2.49E-07
475863.09, 3856377.25	0.00159	0.000322	1.11E-07	3.37E-07	2.66E-07	2.30E-07	1.03E-07	3.72E-09	8.99E-08	6.32E-08	5.47E-08	1.63E-08	2.28E-07
476363.09, 3856377.25	0.00156	0.000316	1.09E-07	3.30E-07	2.61E-07	2.26E-07	1.02E-07	3.65E-09	8.82E-08	6.20E-08	5.36E-08	1.60E-08	2.24E-07
476863.09, 3856377.25	0.00155	0.000314	1.09E-07	3.28E-07	2.59E-07	2.24E-07	1.01E-07	3.63E-09	8.77E-08	6.16E-08	5.33E-08	1.59E-08	2.22E-07
477363.09, 3856377.25	0.00155	0.000314	1.09E-07	3.28E-07	2.59E-07	2.24E-07	1.01E-07	3.63E-09	8.77E-08	6.16E-08	5.33E-08	1.59E-08	2.22E-07
477863.09, 3856377.25	0.00144	0.000292	1.01E-07	3.05E-07	2.41E-07	2.08E-07	9.37E-08	3.37E-09	8.14E-08	5.72E-08	4.95E-08	1.48E-08	2.06E-07
478363.09, 3856377.25	0.00139	0.000282	9.75E-08	2.94E-07	2.32E-07	2.01E-07	9.04E-08	3.25E-09	7.86E-08	5.52E-08	4.78E-08	1.43E-08	1.99E-07
478863.09, 3856377.25	0.00159	0.000322	1.11E-07	3.37E-07	2.66E-07	2.30E-07	1.03E-07	3.72E-09	8.99E-08	6.32E-08	5.47E-08	1.63E-08	2.28E-07
479363.09, 3856377.25	0.0017	0.000344	1.19E-07	3.60E-07	2.84E-07	2.46E-07	1.11E-07	3.98E-09	9.61E-08	6.75E-08	5.84E-08	1.74E-08	2.44E-07
479863.09, 3856377.25	0.00201	0.000407	1.41E-07	4.26E-07	3.36E-07	2.91E-07	1.31E-07	4.71E-09	1.14E-07	7.99E-08	6.91E-08	2.06E-08	2.88E-07
480363.09, 3856377.25	0.00251	0.000508	1.76E-07	5.31E-07	4.20E-07	3.63E-07	1.63E-07	5.88E-09	1.42E-07	9.97E-08	8.63E-08	2.58E-08	3.60E-07
480863.09, 3856377.25	0.0033	0.000668	2.31E-07	6.99E-07	5.52E-07	4.78E-07	2.15E-07	7.73E-09	1.87E-07	1.31E-07	1.13E-07	3.39E-08	4.73E-07
481363.09, 3856377.25	0.00451	0.000914	3.16E-07	9.55E-07	7.54E-07	6.53E-07	2.93E-07	1.06E-08	2.55E-07	1.79E-07	1.55E-07	4.63E-08	6.46E-07
481863.09, 3856377.25	0.00659	0.001335	4.62E-07	1.40E-06	1.10E-06	9.54E-07	4.29E-07	1.54E-08	3.73E-07	2.62E-07	2.27E-07	6.76E-08	9.44E-07
482363.09, 3856377.25	0.00831	0.001683	5.83E-07	1.76E-06	1.39E-06	1.20E-06	5.41E-07	1.95E-08	4.70E-07	3.30E-07	2.86E-07	8.53E-08	1.19E-06
482863.09, 3856377.25	0.00793	0.001606	5.56E-07	1.68E-06	1.33E-06	1.15E-06	5.16E-07	1.86E-08	4.48E-07	3.15E-07	2.73E-07	8.14E-08	1.14E-06
483363.09, 3856377.25	0.00766	0.001552	5.37E-07	1.62E-06	1.28E-06	1.11E-06	4.98E-07	1.79E-08	4.33E-07	3.04E-07	2.63E-07	7.86E-08	1.10E-06
483863.09, 3856377.25	0.00772	0.001564	5.41E-07	1.63E-06	1.29E-06	1.12E-06	5.02E-07	1.81E-08	4.37E-07	3.07E-07	2.65E-07	7.92E-08	1.11E-06
484363.09, 3856377.25	0.00849	0.00172	5.95E-07	1.80E-06	1.42E-06	1.23E-06	5.52E-07	1.99E-08	4.80E-07	3.37E-07	2.92E-07	8.71E-08	1.22E-06
484863.09, 3856377.25	0.00885	0.001793	6.21E-07	1.87E-06	1.48E-06	1.28E-06	5.76E-07	2.07E-08	5.01E-07	3.52E-07	3.04E-07	9.08E-08	1.27E-06
485363.09, 3856377.25	0.00747	0.001513	5.24E-07	1.58E-06	1.25E-06	1.08E-06	4.86E-07	1.75E-08	4.22E-07	2.97E-07	2.57E-07	7.67E-08	1.07E-06
485863.09, 3856377.25	0.00637	0.00129	4.47E-07	1.35E-06	1.07E-06	9.22E-07	4.14E-07	1.49E-08	3.60E-07	2.53E-07	2.19E-07	6.54E-08	9.13E-07
486363.09, 3856377.25	0.00471	0.000954	3.30E-07	9.97E-07	7.88E-07	6.82E-07	3.06E-07	1.10E-08	2.66E-07	1.87E-07	1.62E-07	4.83E-08	6.75E-07
486863.09, 3856377.25	0.00479	0.00097	3.36E-07	1.01E-06	8.01E-07	6.93E-07	3.12E-07	1.12E-08	2.71E-07	1.90E-07	1.65E-07	4.92E-08	6.86E-07
487363.09, 3856377.25	0.00551	0.001116	3.86E-07	1.17E-06	9.21E-07	7.97E-07	3.59E-07	1.29E-08	3.12E-07	2.19E-07	1.89E-07	5.65E-08	7.89E-07
487863.09, 3856377.25	0.00643	0.001302	4.51E-07	1.36E-06	1.08E-06	9.30E-07	4.18E-07	1.51E-08	3.64E-07	2.55E-07	2.21E-07	6.60E-08	9.21E-07
488363.09, 3856377.25	0.00651	0.001319	4.56E-07	1.38E-06	1.09E-06	9.42E-07	4.24E-07	1.52E-08	3.68E-07	2.59E-07	2.24E-07	6.68E-08	9.33E-07
488863.09, 3856377.25	0.00698	0.001414	4.89E-07	1.48E-06	1.17E-06	1.01E-06	4.54E-07	1.63E-08	3.95E-07	2.77E-07	2.40E-07	7.16E-08	1.00E-06
489363.09, 3856377.25	0.00747	0.001513	5.24E-07	1.58E-06	1.25E-06	1.08E-06	4.86E-07	1.75E-08	4.22E-07	2.97E-07	2.57E-07	7.67E-08	1.07E-06
489863.09, 3856377.25	0.00736	0.001491	5.16E-07	1.56E-06	1.23E-06	1.06E-06	4.79E-07	1.72E-08	4.16E-07	2.92E-07	2.53E-07	7.55E-08	1.05E-06
490363.09, 3856377.25	0.00608	0.001232	4.26E-07	1.29E-06	1.02E-06	8.80E-07	3.96E-07	1.42E-08	3.44E-07	2.42E-07	2.09E-07	6.24E-08	8.71E-07

490863.09, 3856377.25	0.00508	0.001029	3.56E-07	1.08E-06	8.50E-07	7.35E-07	3.31E-07	1.19E-08	2.87E-07	2.02E-07	1.75E-07	5.21E-08	7.28E-07
491363.09, 3856377.25	0.00468	0.000948	3.28E-07	9.91E-07	7.83E-07	6.77E-07	3.05E-07	1.10E-08	2.65E-07	1.86E-07	1.61E-07	4.80E-08	6.71E-07
491863.09, 3856377.25	0.00403	0.000816	2.83E-07	8.53E-07	6.74E-07	5.83E-07	2.62E-07	9.44E-09	2.28E-07	1.60E-07	1.39E-07	4.14E-08	5.77E-07
492363.09, 3856377.25	0.00344	0.000697	2.41E-07	7.28E-07	5.75E-07	4.98E-07	2.24E-07	8.05E-09	1.95E-07	1.37E-07	1.18E-07	3.53E-08	4.93E-07
492863.09, 3856377.25	0.00295	0.000598	2.07E-07	6.25E-07	4.93E-07	4.27E-07	1.92E-07	6.91E-09	1.67E-07	1.17E-07	1.01E-07	3.03E-08	4.23E-07
493363.09, 3856377.25	0.00235	0.000476	1.65E-07	4.98E-07	3.93E-07	3.40E-07	1.53E-07	5.50E-09	1.33E-07	9.34E-08	8.08E-08	2.41E-08	3.37E-07
493863.09, 3856377.25	0.00209	0.000423	1.47E-07	4.42E-07	3.50E-07	3.02E-07	1.36E-07	4.89E-09	1.18E-07	8.30E-08	7.19E-08	2.14E-08	2.99E-07
494363.09, 3856377.25	0.00176	0.000356	1.23E-07	3.73E-07	2.94E-07	2.55E-07	1.15E-07	4.12E-09	9.95E-08	6.99E-08	6.05E-08	1.81E-08	2.52E-07
494863.09, 3856377.25	0.00152	0.000308	1.07E-07	3.22E-07	2.54E-07	2.20E-07	9.89E-08	3.56E-09	8.60E-08	6.04E-08	5.23E-08	1.56E-08	2.18E-07
495363.09, 3856377.25	0.00135	0.000273	9.47E-08	2.86E-07	2.26E-07	1.95E-07	8.78E-08	3.16E-09	7.64E-08	5.36E-08	4.64E-08	1.39E-08	1.93E-07
495863.09, 3856377.25	0.0013	0.000263	9.12E-08	2.75E-07	2.17E-07	1.88E-07	8.46E-08	3.04E-09	7.35E-08	5.17E-08	4.47E-08	1.33E-08	1.86E-07
496363.09, 3856377.25	0.00133	0.000269	9.33E-08	2.82E-07	2.22E-07	1.92E-07	8.65E-08	3.11E-09	7.52E-08	5.28E-08	4.57E-08	1.36E-08	1.91E-07
496863.09, 3856377.25	0.00142	0.000288	9.96E-08	3.01E-07	2.37E-07	2.05E-07	9.24E-08	3.32E-09	8.03E-08	5.64E-08	4.88E-08	1.46E-08	2.03E-07
497363.09, 3856377.25	0.00155	0.000314	1.09E-07	3.28E-07	2.59E-07	2.24E-07	1.01E-07	3.63E-09	8.77E-08	6.16E-08	5.33E-08	1.59E-08	2.22E-07
497863.09, 3856377.25	0.00176	0.000356	1.23E-07	3.73E-07	2.94E-07	2.55E-07	1.15E-07	4.12E-09	9.95E-08	6.99E-08	6.05E-08	1.81E-08	2.52E-07
498363.09, 3856377.25	0.00213	0.000431	1.49E-07	4.51E-07	3.56E-07	3.08E-07	1.39E-07	4.99E-09	1.20E-07	8.46E-08	7.32E-08	2.19E-08	3.05E-07
471363.09, 3856877.25	0.00167	0.000338	1.17E-07	3.54E-07	2.79E-07	2.42E-07	1.09E-07	3.91E-09	9.44E-08	6.64E-08	5.74E-08	1.71E-08	2.39E-07
471863.09, 3856877.25	0.00171	0.000346	1.20E-07	3.62E-07	2.86E-07	2.47E-07	1.11E-07	4.00E-09	9.67E-08	6.79E-08	5.88E-08	1.75E-08	2.45E-07
472363.09, 3856877.25	0.00181	0.000367	1.27E-07	3.83E-07	3.03E-07	2.62E-07	1.18E-07	4.24E-09	1.02E-07	7.19E-08	6.22E-08	1.86E-08	2.59E-07
472863.09, 3856877.25	0.0019	0.000385	1.33E-07	4.02E-07	3.18E-07	2.75E-07	1.24E-07	4.45E-09	1.07E-07	7.55E-08	6.53E-08	1.95E-08	2.72E-07
473363.09, 3856877.25	0.00209	0.000423	1.47E-07	4.42E-07	3.50E-07	3.02E-07	1.36E-07	4.89E-09	1.18E-07	8.30E-08	7.19E-08	2.14E-08	2.99E-07
473863.09, 3856877.25	0.0022	0.000446	1.54E-07	4.66E-07	3.68E-07	3.18E-07	1.43E-07	5.15E-09	1.24E-07	8.74E-08	7.56E-08	2.26E-08	3.15E-07
474363.09, 3856877.25	0.00214	0.000433	1.50E-07	4.53E-07	3.58E-07	3.10E-07	1.39E-07	5.01E-09	1.21E-07	8.50E-08	7.36E-08	2.20E-08	3.07E-07
474863.09, 3856877.25	0.00202	0.000409	1.42E-07	4.28E-07	3.38E-07	2.92E-07	1.31E-07	4.73E-09	1.14E-07	8.03E-08	6.94E-08	2.07E-08	2.89E-07
475363.09, 3856877.25	0.00189	0.000383	1.33E-07	4.00E-07	3.16E-07	2.73E-07	1.23E-07	4.43E-09	1.07E-07	7.51E-08	6.50E-08	1.94E-08	2.71E-07
475863.09, 3856877.25	0.00185	0.000375	1.30E-07	3.92E-07	3.09E-07	2.68E-07	1.20E-07	4.33E-09	1.05E-07	7.35E-08	6.36E-08	1.90E-08	2.65E-07
476363.09, 3856877.25	0.00178	0.000361	1.25E-07	3.77E-07	2.98E-07	2.58E-07	1.16E-07	4.17E-09	1.01E-07	7.07E-08	6.12E-08	1.83E-08	2.55E-07
476863.09, 3856877.25	0.00179	0.000363	1.26E-07	3.79E-07	2.99E-07	2.59E-07	1.16E-07	4.19E-09	1.01E-07	7.11E-08	6.15E-08	1.84E-08	2.56E-07
477363.09, 3856877.25	0.00175	0.000354	1.23E-07	3.70E-07	2.93E-07	2.53E-07	1.14E-07	4.10E-09	9.90E-08	6.95E-08	6.02E-08	1.80E-08	2.51E-07
477863.09, 3856877.25	0.0016	0.000324	1.12E-07	3.39E-07	2.68E-07	2.32E-07	1.04E-07	3.75E-09	9.05E-08	6.36E-08	5.50E-08	1.64E-08	2.29E-07
478363.09, 3856877.25	0.00153	0.00031	1.07E-07	3.24E-07	2.56E-07	2.21E-07	9.96E-08	3.58E-09	8.65E-08	6.08E-08	5.26E-08	1.57E-08	2.19E-07
478863.09, 3856877.25	0.00161	0.000326	1.13E-07	3.41E-07	2.69E-07	2.33E-07	1.05E-07	3.77E-09	9.11E-08	6.40E-08	5.54E-08	1.65E-08	2.31E-07
479363.09, 3856877.25	0.00169	0.000342	1.18E-07	3.58E-07	2.83E-07	2.45E-07	1.10E-07	3.96E-09	9.56E-08	6.72E-08	5.81E-08	1.73E-08	2.42E-07
479863.09, 3856877.25	0.00212	0.000429	1.49E-07	4.49E-07	3.55E-07	3.07E-07	1.38E-07	4.96E-09	1.20E-07	8.42E-08	7.29E-08	2.18E-08	3.04E-07
480363.09, 3856877.25	0.00242	0.00049	1.70E-07	5.12E-07	4.05E-07	3.50E-07	1.57E-07	5.67E-09	1.37E-07	9.62E-08	8.32E-08	2.48E-08	3.47E-07
480863.09, 3856877.25	0.00289	0.000585	2.03E-07	6.12E-07	4.83E-07	4.18E-07	1.88E-07	6.77E-09	1.63E-07	1.15E-07	9.94E-08	2.97E-08	4.14E-07
481363.09, 3856877.25	0.00364	0.000737	2.55E-07	7.71E-07	6.09E-07	5.27E-07	2.37E-07	8.52E-09	2.06E-07	1.45E-07	1.25E-07	3.74E-08	5.22E-07
481863.09, 3856877.25	0.00466	0.000944	3.27E-07	9.87E-07	7.79E-07	6.74E-07	3.03E-07	1.09E-08	2.64E-07	1.85E-07	1.60E-07	4.78E-08	6.68E-07
482363.09, 3856877.25	0.00781	0.001582	5.48E-07	1.65E-06	1.31E-06	1.13E-06	5.08E-07	1.83E-08	4.42E-07	3.10E-07	2.69E-07	8.02E-08	1.12E-06
482863.09, 3856877.25	0.00946	0.001916	6.63E-07	2.00E-06	1.58E-06	1.37E-06	6.16E-07	2.21E-08	5.35E-07	3.76E-07	3.25E-07	9.71E-08	1.36E-06
483363.09, 3856877.25	0.00992	0.002009	6.96E-07	2.10E-06	1.66E-06	1.44E-06	6.45E-07	2.32E-08	5.61E-07	3.94E-07	3.41E-07	1.02E-07	1.42E-06
483863.09, 3856877.25	0.00961	0.001947	6.74E-07	2.03E-06	1.61E-06	1.39E-06	6.25E-07	2.25E-08	5.44E-07	3.82E-07	3.30E-07	9.86E-08	1.38E-06
484363.09, 3856877.25	0.00908	0.001839	6.37E-07	1.92E-06	1.52E-06	1.31E-06	5.91E-07	2.13E-08	5.14E-07	3.61E-07	3.12E-07	9.32E-08	1.30E-06
484863.09, 3856877.25	0.00938	0.0019	6.58E-07	1.99E-06	1.57E-06	1.36E-06	6.10E-07	2.20E-08	5.31E-07	3.73E-07	3.22E-07	9.63E-08	1.34E-06
485363.09, 3856877.25	0.00913	0.001849	6.40E-07	1.93E-06	1.53E-06	1.32E-06	5.94E-07	2.14E-08	5.16E-07	3.63E-07	3.14E-07	9.37E-08	1.31E-06
485863.09, 3856877.25	0.0085	0.001722	5.96E-07	1.80E-06	1.42E-06	1.23E-06	5.53E-07	1.99E-08	4.81E-07	3.38E-07	2.92E-07	8.72E-08	1.22E-06
486363.09, 3856877.25	0.00556	0.001126	3.90E-07	1.18E-06	9.30E-07	8.05E-07	3.62E-07	1.30E-08	3.14E-07	2.21E-07	1.91E-07	5.71E-08	7.97E-07
486863.09, 3856877.25	0.00591	0.001197	4.14E-07	1.25E-06	9.88E-07	8.55E-07	3.85E-07	1.38E-08	3.34E-07	2.35E-07	2.03E-07	6.07E-08	8.47E-07
487363.09, 3856877.25	0.00631	0.001278	4.42E-07	1.34E-06	1.06E-06	9.13E-07	4.11E-07	1.48E-08	3.57E-07	2.51E-07	2.17E-07	6.48E-08	9.04E-07
487863.09, 3856877.25	0.00707	0.001432	4.96E-07	1.50E-06	1.18E-06	1.02E-06	4.60E-07	1.66E-08	4.00E-07	2.81E-07	2.43E-07	7.26E-08	1.01E-06
488363.09, 3856877.25	0.00858	0.001738	6.02E-07	1.82E-06	1.43E-06	1.24E-06	5.58E-07	2.01E-08	4.85E-07	3.41E-07	2.95E-07	8.81E-08	1.23E-06
488863.09, 3856877.25	0.00895	0.001813	6.28E-07	1.89E-06	1.50E-06	1.30E-06	5.82E-07	2.10E-08	5.06E-07	3.56E-07	3.08E-07	9.19E-08	1.28E-06
489363.09, 3856877.25	0.00936	0.001896	6.56E-07	1.98E-06	1.57E-06	1.35E-06	6.09E-07	2.19E-08	5.29E-07	3.72E-07	3.22E-07	9.61E-08	1.34E-06
489863.09, 3856877.25	0.00944	0.001912	6.62E-07	2.00E-06	1.58E-06	1.37E-06	6.14E-07	2.21E-08	5.34E-07	3.75E-07	3.25E-07	9.69E-08	1.35E-06
490363.09, 3856877.25	0.00854	0.00173	5.99E-07	1.81E-06	1.43E-06	1.24E-06	5.56E-07	2.00E-08	4.83E-07	3.39E-07	2.94E-07	8.76E-08	1.22E-06
490863.09, 3856877.25	0.00694	0.001406	4.87E-07	1.47E-06	1.16E-06	1.00E-06	4.52E-07	1.62E-08	3.93E-07	2.76E-07	2.39E-07	7.12E-08	9.94E-07
491363.09, 3856877.25	0.0057	0.001155	4.00E-07	1.21E-06	9.53E-07	8.25E-07	3.71E-07	1.33E-08	3.22E-07	2.26E-07	1.96E-07	5.85E-08	8.17E-07
491863.09, 3856877.25	0.00499	0.001011	3.50E-07	1.06E-06	8.34E-07	7.22E-07	3.25E-07	1.17E-08	2.82E-07	1.98E-07	1.72E-07	5.12E-08	7.15E-07
492363.09, 3856877.25	0.00356	0.000721	2.50E-07	7.54E-07	5.95E-07	5.15E-07	2.32E-07	8.34E-09	2.01E-07	1.41E-07	1.22E-07	3.65E-08	5.10E-07
492863.09, 3856877.25	0.00312	0.000632	2.19E-07	6.61E-07	5.22E-07	4.51E-07	2.03E-07	7.31E-09	1.76E-07	1.24E-07	1.07E-07	3.20E-08	4.47E-07
493363.09, 3856877.25	0.0027	0.000547	1.89E-07	5.72E-07	4.52E-07	3.91E-07	1.76E-07	6.32E-09	1.53E-07	1.07E-07	9.28E-08	2.77E-08	3.87E-07
493863.09, 3856877.25	0.00229	0.000464	1.61E-07	4.85E-07	3.83E-07	3.31E-07	1.49E-07	5.36E-09	1.30E-07	9.10E-08	7.87E-08	2.35E-08	3.28E-07
494363.09, 3856877.25	0.00193	0.000391	1.35E-07	4.09E-07	3.23E-07	2.79E-07	1.26E-07	4.52E-09	1.09E-07	7.67E-08	6.64E-08	1.98E-08	2.77E-07
494863.09, 3856877.25	0.00176	0.000356	1.23E-07	3.73E-07	2.94E-07	2.55E-07	1.15E-07	4.12E-09	9.95E-08	6.99E-08	6.05E-08	1.81E-08	2.52E-07
495363.09, 3856877.25	0.00165	0.000334	1.16E-07	3.49E-07	2.76E-07	2.39E-07	1.07E-07	3.86E-09	9.33E-08	6.56E-08	5.67E-08	1.69E-08	2.36E-07
495863.09, 3856877.25	0.00161	0.000326	1.13E-07	3.41E-07	2.69E-07	2.33E-07	1.05E-07	3.77E-09	9.11E-08	6.40E-08	5.54E-08	1.65E-08	2.31E-07
496363.09, 3856877.25	0.00165	0.000334	1.16E-07	3.49E-07	2.76E-07	2.39E-07	1.07E-07	3.86E-09	9.33E-08	6.56E-08	5.67E-08	1.69E-08	2.36E-07
496863.09, 3856877.25	0.00177	0.000359	1.24E-07	3.75E-07	2.96E-07	2.56E-07	1.15E-07	4.14E-09	1.00E-07	7.03E-08	6.09E-08	1.82E-08	2.54E-07
497363.09, 3856877.25	0.00194	0.000393	1.36E-07	4.11E-07	3.24E-07	2.81E-07	1.26E-07	4.54E-09	1.10E-07	7.71E-08	6.67E-08	1.99E-08	2.78E-07
497863.09, 3856877.25	0.00233	0.000472	1.63E-07	4.93E-07	3.90E-07	3.37E-07	1.52E-07	5.46E-09	1.32E-07	9.26E-08	8.01E-08	2.39E-08	3.34E-07
498363.09, 3856877.25	0.00291	0.000589	2.04E-07	6.16E-07	4.87E-07	4.21E-07	1.89E-07	6.81E-09	1.65E-07	1.16E-07	1.00E-07	2.99E-08	4.17E-07
471363.09, 3857377.25	0.00148	0.0003	1.04E-07	3.13E-07	2.48E-07	2.14E-07	9.63E-08	3.47E-09	8.37E-08	5.88E-08	5.09E-08	1.52E-08	2.12E-07
471863.09, 3857377.25	0.00155	0.000314	1.09E-07	3.28E-07	2.59E-07	2.24E-07	1.01E-07	3.63E-09	8.77E-08	6.16E-08	5.33E-08	1.59E-08	2.22E-07
472363.09, 3857377.25	0.00166	0.000336	1.16E-07	3.51E-07	2.78E-07	2.40E-07	1.08E-07	3.89E-09	9.39E-08	6.60E-08	5.71E-08	1.70E-08	2.38E-07
472863.09, 3857377.25	0.00179	0.000363	1.26E-07	3.79E-07	2.99E-07	2.59E-07	1.16E-07	4.19E-09	1.01E-07	7.11E-08	6.15E-08	1.84E-08	2.56E-07
473363.09, 3857377.25	0.00195	0.000395	1.37E-07	4.13E-07	3.26E-07	2.82E-07	1.27E-07	4.57E-09	1.10E-07	7.75E-08	6.70E-08	2.00E-08	2.79E-07
473863.09, 3857377.25	0.00215	0.000435	1.51E-07	4.55E-07	3.60E-07	3.11E-07	1.40E-07	5.03E-09	1.22E-07	8.54E-08	7.39E-08	2.21E-08	3.08E-07
474363.09, 3857377.25	0.00203	0.000411	1.42E-07	4.30E-07	3.39E-07	2.94E-07	1.32E-07	4.75E-09	1.15E-07	8.07E-08	6.98E-08	2.08E-08	2.91E-07
474863.09, 3857377.25	0.00177	0.000359	1.24E-07	3.75E-07	2.96E-07	2.56E-07	1.15E-07	4.14E-09	1.00E-07	7.03E-08	6.09E-08	1.82E-08	2.54E-07
475363.09, 3857377.25	0.00159	0.000322	1.11E-07	3.37E-07	2.66E-07	2.30E-07	1.03E-07	3.72E-09	8.99E-08	6.32E-08	5.47E-08	1.63E-08	2.28E-07
475863.09, 3857377.25	0.00159	0.000322	1.11E-07	3.37E-07	2.66E-07	2.30E-07	1.03E-07	3.72E-09	8.99E-08	6.32E-08	5.47E-08	1.63E-08	2.28E-07
476363.09, 3857377.25	0.00177	0.000359	1.24E-07	3.75E-07	2.96E-07	2.56E-07	1.15E-07	4.14E-09	1.00E-07	7.03E-08	6.09E-08	1.82E-08	2.54E-07
476863.09, 3857377.25	0.00186	0.000377	1.30E-07	3.94E-07	3.11E-07	2.69E-07	1.21E-07	4.36E-09	1.05E-07	7.39E-08	6.39E-08	1.91E-08	2.66E-07
477363.09, 3857377.25	0.00179	0.000363	1.26E-07	3.79E-07	2.99E-07	2.59E-07	1.16E-07	4.19E-09	1.01E-07	7.11E-08	6.15E-08	1.84E-08	2.56E-07
477863.09, 3857377.25	0.00169	0.000342	1.18E-07	3.58E-07	2.83E-07	2.45E-07	1.10E-07	3.96E-09	9.56E-08	6.72E-08	5.81E-08	1.73E-08	2.42E-07
478363.09, 3857377.25	0.00161	0.000326	1.13E-07	3.41E-07	2.69E-07	2.33E-07	1.05E-07	3.77E-09	9.11E-08	6.40E-08	5.54E-08	1.65E-08	2.31E-07
478863.09, 3857377.25	0.00158	0.00032	1.11E-07	3.35E-07	2.64E-07	2.29E-07	1.03E-07	3.70E-09	8.94E-08	6.28E-08	5.43E-08	1.62E-08	2.26E-07
479363.09, 3857377.25	0.0018	0.000365	1.26E-07	3.81E-07	3.01E-07	2.60E-07	1.17E-07	4.21E-09	1.02E-07	7.15E-08	6.19E-08	1.85E-08	2.58E-07
479863.09, 3857377.25	0.0024	0.000486	1.68E-07	5.08E-07	4.01E-07	3.47E-07	1.56E-07	5.62E-09	1.36E-07	9.54E-08	8.25E-08	2.46E-08	3.44E-07
480363.09, 3857377.25	0.00217	0.00044	1.52E-07	4.59E-07	3.63E-07	3.14E-07	1.41E-07	5.08E-09	1.23E-07	8.62E-08	7.46E-08	2.23E-08	3.11E-07
480863.09, 3857377.25	0.00356	0.000721	2.50E-07	7.54E-07	5.95E-07	5.15E-07	2.32E-07	8.34E-09	2.01E-07	1.41E-07	1.22E-07	3.65E-08	5.10E-07
481363.09, 3857377.25	0.0035	0.000709	2.45E-07	7.41E-07	5.85E-07	5.06E-07	2.28E-07	8.19E-09	1.98E-07	1.39E-07	1.20E-07	3.59E-08	5.01E-07
481863.09, 3857377.25	0.00377	0.000764	2.64E-07	7.98E-07	6.30E-07	5.46E-07	2.45E-07	8.83E-09	2.13E-07	1.50E-07	1.30E-07	3.87E-08	5.40E-07
482363.09, 3857377.25	0.0052	0.001053	3.65E-07	1.10E-06	8.70E-07	7.52E-07	3.38E-07	1.22E-08	2.94E-07	2.07E-07	1.79E-07	5.34E-08	7.45E-07
482863.09, 3857377.25	0.00684	0.001385	4.80E-07	1.45E-06	1.14E-06	9.90E-07	4.45E-07	1.60E-08	3.87E-07	2.72E-07	2.35E-07	7.02E-08	9.80E-07
483363.09, 3857377.25	0.00871	0.001764	6.11E-07	1.84E-06	1.46E-06	1.26E-06	5.67E-07	2.04E-08	4.93E-07	3.46E-07	2.99E-07	8.94E-08	1.25E-06
483863.09, 3857377.25	0.01049	0.002125	7.36E-07	2.22E-06	1.75E-06	1.52E-06	6.83E-07	2.46E-08	5.93E-07	4.17E-07	3.61E-07	1.08E-07	1.50E-06
484363.09, 3857377.25	0.01164	0.002358	8.16E-07	2.46E-06	1.95E-06	1.68E-06	7.57E-07	2.73E-08	6.58E-07	4.63E-07	4.00E-07	1.19E-07	1.67E-06
484863.09, 3857377.25	0.01169	0.002368	8.20E-07	2.47E-06	1.95E-06	1.69E-06	7.61E-07	2.74E-08	6.61E-07	4.64E-07	4.02E-07	1.20E-07	1.67E-06

485363.09, 3857377.25	0.01138	0.002305	7.98E-07	2.41E-06	1.90E-06	1.65E-06	7.40E-07	2.66E-08	6.44E-07	4.52E-07	3.91E-07	1.17E-07	1.63E-06
485863.09, 3857377.25	0.01156	0.002342	8.11E-07	2.45E-06	1.93E-06	1.67E-06	7.52E-07	2.71E-08	6.54E-07	4.59E-07	3.97E-07	1.19E-07	1.66E-06
486363.09, 3857377.25	0.0088	0.001782	6.17E-07	1.86E-06	1.47E-06	1.27E-06	5.73E-07	2.06E-08	4.98E-07	3.50E-07	3.03E-07	9.03E-08	1.26E-06
486863.09, 3857377.25	0.00681	0.001379	4.77E-07	1.44E-06	1.14E-06	9.85E-07	4.43E-07	1.59E-08	3.85E-07	2.71E-07	2.34E-07	6.99E-08	9.76E-07
487363.09, 3857377.25	0.00776	0.001572	5.44E-07	1.64E-06	1.30E-06	1.12E-06	5.05E-07	1.82E-08	4.39E-07	3.08E-07	2.67E-07	7.96E-08	1.11E-06
487863.09, 3857377.25	0.00883	0.001789	6.19E-07	1.87E-06	1.48E-06	1.28E-06	5.75E-07	2.07E-08	4.99E-07	3.51E-07	3.04E-07	9.06E-08	1.27E-06
488363.09, 3857377.25	0.00962	0.001949	6.75E-07	2.04E-06	1.61E-06	1.39E-06	6.26E-07	2.25E-08	5.44E-07	3.82E-07	3.31E-07	9.87E-08	1.38E-06
488863.09, 3857377.25	0.01101	0.00223	7.72E-07	2.33E-06	1.84E-06	1.59E-06	7.16E-07	2.58E-08	6.23E-07	4.37E-07	3.79E-07	1.13E-07	1.58E-06
489363.09, 3857377.25	0.0119	0.00241	8.34E-07	2.52E-06	1.99E-06	1.72E-06	7.74E-07	2.79E-08	6.73E-07	4.73E-07	4.09E-07	1.22E-07	1.70E-06
489863.09, 3857377.25	0.01094	0.002216	7.67E-07	2.32E-06	1.83E-06	1.58E-06	7.12E-07	2.56E-08	6.19E-07	4.35E-07	3.76E-07	1.12E-07	1.57E-06
490363.09, 3857377.25	0.01016	0.002058	7.12E-07	2.15E-06	1.70E-06	1.47E-06	6.61E-07	2.38E-08	5.75E-07	4.04E-07	3.49E-07	1.04E-07	1.46E-06
490863.09, 3857377.25	0.00956	0.001936	6.70E-07	2.02E-06	1.60E-06	1.38E-06	6.22E-07	2.24E-08	5.41E-07	3.80E-07	3.29E-07	9.81E-08	1.37E-06
491363.09, 3857377.25	0.00793	0.001606	5.56E-07	1.68E-06	1.33E-06	1.15E-06	5.16E-07	1.86E-08	4.48E-07	3.15E-07	2.73E-07	8.14E-08	1.14E-06
491863.09, 3857377.25	0.00591	0.001197	4.14E-07	1.25E-06	9.88E-07	8.55E-07	3.85E-07	1.38E-08	3.34E-07	2.35E-07	2.03E-07	6.07E-08	8.47E-07
492363.09, 3857377.25	0.00403	0.000816	2.83E-07	8.53E-07	6.74E-07	5.83E-07	2.62E-07	9.44E-09	2.28E-07	1.60E-07	1.39E-07	4.14E-08	5.77E-07
492863.09, 3857377.25	0.00334	0.000677	2.34E-07	7.07E-07	5.59E-07	4.83E-07	2.17E-07	7.82E-09	1.89E-07	1.33E-07	1.15E-07	3.43E-08	4.79E-07
493363.09, 3857377.25	0.00284	0.000575	1.99E-07	6.01E-07	4.75E-07	4.11E-07	1.85E-07	6.65E-09	1.61E-07	1.13E-07	9.76E-08	2.91E-08	4.07E-07
493863.09, 3857377.25	0.00262	0.000531	1.84E-07	5.55E-07	4.38E-07	3.79E-07	1.70E-07	6.13E-09	1.48E-07	1.04E-07	9.01E-08	2.69E-08	3.75E-07
494363.09, 3857377.25	0.00236	0.000478	1.65E-07	5.00E-07	3.95E-07	3.41E-07	1.54E-07	5.53E-09	1.33E-07	9.38E-08	8.11E-08	2.42E-08	3.38E-07
494863.09, 3857377.25	0.00221	0.000448	1.55E-07	4.68E-07	3.70E-07	3.20E-07	1.44E-07	5.17E-09	1.25E-07	8.78E-08	7.60E-08	2.27E-08	3.17E-07
495363.09, 3857377.25	0.00213	0.000431	1.49E-07	4.51E-07	3.56E-07	3.08E-07	1.39E-07	4.99E-09	1.20E-07	8.46E-08	7.32E-08	2.19E-08	3.05E-07
495863.09, 3857377.25	0.0021	0.000425	1.47E-07	4.45E-07	3.51E-07	3.04E-07	1.37E-07	4.92E-09	1.19E-07	8.34E-08	7.22E-08	2.16E-08	3.01E-07
496363.09, 3857377.25	0.00219	0.000444	1.54E-07	4.64E-07	3.66E-07	3.17E-07	1.42E-07	5.13E-09	1.24E-07	8.70E-08	7.53E-08	2.25E-08	3.14E-07
496863.09, 3857377.25	0.00233	0.000472	1.63E-07	4.93E-07	3.90E-07	3.37E-07	1.52E-07	5.46E-09	1.32E-07	9.26E-08	8.01E-08	2.39E-08	3.34E-07
497363.09, 3857377.25	0.00263	0.000533	1.84E-07	5.57E-07	4.40E-07	3.81E-07	1.71E-07	6.16E-09	1.49E-07	1.05E-07	9.04E-08	2.70E-08	3.77E-07
497863.09, 3857377.25	0.0032	0.000648	2.24E-07	6.77E-07	5.35E-07	4.63E-07	2.08E-07	7.49E-09	1.81E-07	1.27E-07	1.10E-07	3.28E-08	4.58E-07
498363.09, 3857377.25	0.00417	0.000845	2.92E-07	8.83E-07	6.97E-07	6.03E-07	2.71E-07	9.76E-09	2.36E-07	1.66E-07	1.43E-07	4.28E-08	5.97E-07
471363.09, 3857877.25	0.00137	0.000277	9.61E-08	2.90E-07	2.29E-07	1.98E-07	8.91E-08	3.21E-09	7.75E-08	5.44E-08	4.71E-08	1.41E-08	1.96E-07
471863.09, 3857877.25	0.00138	0.00028	9.68E-08	2.92E-07	2.31E-07	2.00E-07	8.98E-08	3.23E-09	7.80E-08	5.48E-08	4.74E-08	1.42E-08	1.98E-07
472363.09, 3857877.25	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
472863.09, 3857877.25	0.00154	0.000312	1.08E-07	3.26E-07	2.58E-07	2.23E-07	1.00E-07	3.61E-09	8.71E-08	6.12E-08	5.29E-08	1.58E-08	2.21E-07
473363.09, 3857877.25	0.00164	0.000332	1.15E-07	3.47E-07	2.74E-07	2.37E-07	1.07E-07	3.84E-09	9.28E-08	6.52E-08	5.64E-08	1.68E-08	2.35E-07
473863.09, 3857877.25	0.0018	0.000365	1.26E-07	3.81E-07	3.01E-07	2.60E-07	1.17E-07	4.21E-09	1.02E-07	7.15E-08	6.19E-08	1.85E-08	2.58E-07
474363.09, 3857877.25	0.00171	0.000346	1.20E-07	3.62E-07	2.86E-07	2.47E-07	1.11E-07	4.00E-09	9.67E-08	6.79E-08	5.88E-08	1.75E-08	2.45E-07
474863.09, 3857877.25	0.00158	0.00032	1.11E-07	3.35E-07	2.64E-07	2.29E-07	1.03E-07	3.70E-09	8.94E-08	6.28E-08	5.43E-08	1.62E-08	2.26E-07
475363.09, 3857877.25	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
475863.09, 3857877.25	0.00119	0.000241	8.34E-08	2.52E-07	1.99E-07	1.72E-07	7.74E-08	2.79E-09	6.73E-08	4.73E-08	4.09E-08	1.22E-08	1.70E-07
476363.09, 3857877.25	0.00157	0.000318	1.10E-07	3.32E-07	2.63E-07	2.27E-07	1.02E-07	3.68E-09	8.88E-08	6.24E-08	5.40E-08	1.61E-08	2.25E-07
476863.09, 3857877.25	0.00172	0.000348	1.21E-07	3.64E-07	2.88E-07	2.49E-07	1.12E-07	4.03E-09	9.73E-08	6.83E-08	5.91E-08	1.77E-08	2.46E-07
477363.09, 3857877.25	0.00174	0.000352	1.22E-07	3.68E-07	2.91E-07	2.52E-07	1.13E-07	4.07E-09	9.84E-08	6.91E-08	5.98E-08	1.79E-08	2.49E-07
477863.09, 3857877.25	0.00176	0.000356	1.23E-07	3.73E-07	2.94E-07	2.55E-07	1.15E-07	4.12E-09	9.95E-08	6.99E-08	6.05E-08	1.81E-08	2.52E-07
478363.09, 3857877.25	0.00152	0.000308	1.07E-07	3.22E-07	2.54E-07	2.20E-07	9.89E-08	3.56E-09	8.60E-08	6.04E-08	5.23E-08	1.56E-08	2.18E-07
478863.09, 3857877.25	0.00147	0.000298	1.03E-07	3.11E-07	2.46E-07	2.13E-07	9.56E-08	3.44E-09	8.31E-08	5.84E-08	5.05E-08	1.51E-08	2.11E-07
479363.09, 3857877.25	0.00247	0.0005	1.73E-07	5.23E-07	4.13E-07	3.57E-07	1.61E-07	5.78E-09	1.40E-07	9.81E-08	8.49E-08	2.53E-08	3.54E-07
479863.09, 3857877.25	0.00329	0.000666	2.31E-07	6.97E-07	5.50E-07	4.76E-07	2.14E-07	7.70E-09	1.86E-07	1.31E-07	1.13E-07	3.38E-08	4.71E-07
480363.09, 3857877.25	0.00375	0.00076	2.63E-07	7.94E-07	6.27E-07	5.43E-07	2.44E-07	8.78E-09	2.12E-07	1.49E-07	1.29E-07	3.85E-08	5.37E-07
480863.09, 3857877.25	0.00395	0.0008	2.77E-07	8.36E-07	6.61E-07	5.72E-07	2.57E-07	9.25E-09	2.23E-07	1.57E-07	1.36E-07	4.05E-08	5.66E-07
481363.09, 3857877.25	0.00414	0.000839	2.90E-07	8.76E-07	6.92E-07	5.99E-07	2.69E-07	9.69E-09	2.34E-07	1.64E-07	1.42E-07	4.25E-08	5.93E-07
481863.09, 3857877.25	0.00454	0.00092	3.18E-07	9.61E-07	7.59E-07	6.57E-07	2.95E-07	1.06E-08	2.57E-07	1.80E-07	1.56E-07	4.66E-08	6.50E-07
482363.09, 3857877.25	0.00556	0.001126	3.90E-07	1.18E-06	9.30E-07	8.05E-07	3.62E-07	1.30E-08	3.14E-07	2.21E-07	1.91E-07	5.71E-08	7.97E-07
482863.09, 3857877.25	0.00747	0.001513	5.24E-07	1.58E-06	1.25E-06	1.08E-06	4.86E-07	1.75E-08	4.22E-07	2.97E-07	2.57E-07	7.67E-08	1.07E-06
483363.09, 3857877.25	0.00751	0.001521	5.27E-07	1.59E-06	1.26E-06	1.09E-06	4.89E-07	1.76E-08	4.25E-07	2.98E-07	2.58E-07	7.71E-08	1.08E-06
483863.09, 3857877.25	0.0078	0.00158	5.47E-07	1.65E-06	1.30E-06	1.13E-06	5.08E-07	1.83E-08	4.41E-07	3.10E-07	2.68E-07	8.01E-08	1.12E-06
484363.09, 3857877.25	0.00925	0.001874	6.49E-07	1.96E-06	1.55E-06	1.34E-06	6.02E-07	2.17E-08	5.23E-07	3.68E-07	3.18E-07	9.49E-08	1.33E-06
484863.09, 3857877.25	0.01142	0.002313	8.01E-07	2.42E-06	1.91E-06	1.65E-06	7.43E-07	2.67E-08	6.46E-07	4.54E-07	3.93E-07	1.17E-07	1.64E-06
485363.09, 3857877.25	0.01342	0.002718	9.41E-07	2.84E-06	2.24E-06	1.94E-06	8.73E-07	3.14E-08	7.59E-07	5.33E-07	4.61E-07	1.38E-07	1.92E-06
485863.09, 3857877.25	0.01412	0.00286	9.90E-07	2.99E-06	2.36E-06	2.04E-06	9.19E-07	3.31E-08	7.99E-07	5.61E-07	4.85E-07	1.45E-07	2.02E-06
486363.09, 3857877.25	0.01388	0.002811	9.73E-07	2.94E-06	2.32E-06	2.01E-06	9.03E-07	3.25E-08	7.85E-07	5.52E-07	4.77E-07	1.42E-07	1.99E-06
486863.09, 3857877.25	0.01317	0.002668	9.23E-07	2.79E-06	2.20E-06	1.91E-06	8.57E-07	3.08E-08	7.45E-07	5.23E-07	4.53E-07	1.35E-07	1.89E-06
487363.09, 3857877.25	0.01132	0.002293	7.94E-07	2.40E-06	1.89E-06	1.64E-06	7.37E-07	2.65E-08	6.40E-07	4.50E-07	3.89E-07	1.16E-07	1.62E-06
487863.09, 3857877.25	0.01097	0.002222	7.69E-07	2.32E-06	1.83E-06	1.59E-06	7.14E-07	2.57E-08	6.20E-07	4.36E-07	3.77E-07	1.13E-07	1.57E-06
488363.09, 3857877.25	0.01212	0.002455	8.50E-07	2.57E-06	2.03E-06	1.75E-06	7.89E-07	2.84E-08	6.85E-07	4.82E-07	4.17E-07	1.24E-07	1.74E-06
488863.09, 3857877.25	0.01324	0.002682	9.28E-07	2.80E-06	2.21E-06	1.92E-06	8.61E-07	3.10E-08	7.49E-07	5.26E-07	4.55E-07	1.36E-07	1.90E-06
489363.09, 3857877.25	0.01276	0.002585	8.95E-07	2.70E-06	2.13E-06	1.85E-06	8.30E-07	2.99E-08	7.22E-07	5.07E-07	4.39E-07	1.31E-07	1.83E-06
489863.09, 3857877.25	0.01249	0.00253	8.76E-07	2.64E-06	2.09E-06	1.81E-06	8.13E-07	2.92E-08	7.06E-07	4.96E-07	4.29E-07	1.28E-07	1.79E-06
490363.09, 3857877.25	0.01244	0.00252	8.72E-07	2.63E-06	2.08E-06	1.80E-06	8.09E-07	2.91E-08	7.04E-07	4.94E-07	4.28E-07	1.28E-07	1.78E-06
490863.09, 3857877.25	0.01161	0.002352	8.14E-07	2.46E-06	1.94E-06	1.68E-06	7.55E-07	2.72E-08	6.57E-07	4.61E-07	3.99E-07	1.19E-07	1.66E-06
491363.09, 3857877.25	0.00943	0.00191	6.61E-07	2.00E-06	1.58E-06	1.36E-06	6.14E-07	2.21E-08	5.33E-07	3.75E-07	3.24E-07	9.68E-08	1.35E-06
491863.09, 3857877.25	0.00664	0.001345	4.66E-07	1.41E-06	1.11E-06	9.61E-07	4.32E-07	1.55E-08	3.76E-07	2.64E-07	2.28E-07	6.81E-08	9.51E-07
492363.09, 3857877.25	0.00454	0.00092	3.18E-07	9.61E-07	7.59E-07	6.57E-07	2.95E-07	1.06E-08	2.57E-07	1.80E-07	1.56E-07	4.66E-08	6.50E-07
492863.09, 3857877.25	0.00378	0.000766	2.65E-07	8.00E-07	6.32E-07	5.47E-07	2.46E-07	8.85E-09	2.14E-07	1.50E-07	1.30E-07	3.88E-08	5.42E-07
493363.09, 3857877.25	0.00347	0.000703	2.43E-07	7.35E-07	5.80E-07	5.02E-07	2.26E-07	8.12E-09	1.96E-07	1.38E-07	1.19E-07	3.56E-08	4.97E-07
493863.09, 3857877.25	0.0033	0.000668	2.31E-07	6.99E-07	5.52E-07	4.78E-07	2.15E-07	7.73E-09	1.87E-07	1.31E-07	1.13E-07	3.39E-08	4.73E-07
494363.09, 3857877.25	0.00311	0.00063	2.18E-07	6.58E-07	5.20E-07	4.50E-07	2.02E-07	7.28E-09	1.76E-07	1.24E-07	1.07E-07	3.19E-08	4.46E-07
494863.09, 3857877.25	0.00293	0.000593	2.05E-07	6.20E-07	4.90E-07	4.24E-07	1.91E-07	6.86E-09	1.66E-07	1.16E-07	1.01E-07	3.01E-08	4.20E-07
495363.09, 3857877.25	0.00288	0.000583	2.02E-07	6.10E-07	4.82E-07	4.17E-07	1.87E-07	6.74E-09	1.63E-07	1.14E-07	9.90E-08	2.96E-08	4.13E-07
495863.09, 3857877.25	0.00291	0.000589	2.04E-07	6.16E-07	4.87E-07	4.21E-07	1.89E-07	6.81E-09	1.65E-07	1.16E-07	1.00E-07	2.99E-08	4.17E-07
496363.09, 3857877.25	0.00302	0.000612	2.12E-07	6.39E-07	5.05E-07	4.37E-07	1.97E-07	7.07E-09	1.71E-07	1.20E-07	1.04E-07	3.10E-08	4.33E-07
496863.09, 3857877.25	0.00331	0.00067	2.32E-07	7.01E-07	5.54E-07	4.79E-07	2.15E-07	7.75E-09	1.87E-07	1.32E-07	1.14E-07	3.40E-08	4.74E-07
497363.09, 3857877.25	0.00375	0.00076	2.63E-07	7.94E-07	6.27E-07	5.43E-07	2.44E-07	8.78E-09	2.12E-07	1.49E-07	1.29E-07	3.85E-08	5.37E-07
497863.09, 3857877.25	0.00469	0.00095	3.29E-07	9.93E-07	7.84E-07	6.79E-07	3.05E-07	1.10E-08	2.65E-07	1.86E-07	1.61E-07	4.81E-08	6.72E-07
498363.09, 3857877.25	0.00604	0.001223	4.24E-07	1.28E-06	1.01E-06	8.74E-07	3.93E-07	1.41E-08	3.42E-07	2.40E-07	2.08E-07	6.20E-08	8.65E-07
471363.09, 3858377.25	0.00166	0.000336	1.16E-07	3.51E-07	2.78E-07	2.40E-07	1.08E-07	3.89E-09	9.39E-08	6.60E-08	5.71E-08	1.70E-08	2.38E-07
471863.09, 3858377.25	0.00164	0.000332	1.15E-07	3.47E-07	2.74E-07	2.37E-07	1.07E-07	3.84E-09	9.28E-08	6.52E-08	5.64E-08	1.68E-08	2.35E-07
472363.09, 3858377.25	0.00162	0.000328	1.14E-07	3.43E-07	2.71E-07	2.34E-07	1.05E-07	3.79E-09	9.16E-08	6.44E-08	5.57E-08	1.66E-08	2.32E-07
472863.09, 3858377.25	0.00165	0.000334	1.16E-07	3.49E-07	2.76E-07	2.39E-07	1.07E-07	3.86E-09	9.33E-08	6.56E-08	5.67E-08	1.69E-08	2.36E-07
473363.09, 3858377.25	0.00176	0.000356	1.23E-07	3.73E-07	2.94E-07	2.55E-07	1.15E-07	4.12E-09	9.95E-08	6.99E-08	6.05E-08	1.81E-08	2.52E-07
473863.09, 3858377.25	0.00169	0.000342	1.18E-07	3.58E-07	2.83E-07	2.45E-07	1.10E-07	3.96E-09	9.56E-08	6.72E-08	5.81E-08	1.73E-08	2.42E-07
474363.09, 3858377.25	0.00155	0.000314	1.09E-07	3.28E-07	2.59E-07	2.24E-07	1.01E-07	3.63E-09	8.77E-08	6.16E-08	5.33E-08	1.59E-08	2.22E-07
474863.09, 3858377.25	0.00146	0.000296	1.02E-07	3.09E-07	2.44E-07	2.11E-07	9.50E-08	3.42E-09	8.26E-08	5.80E-08	5.02E-08	1.50E-08	2.09E-07
475363.09, 3858377.25	0.00139	0.000282	9.75E-08	2.94E-07	2.32E-07	2.01E-07	9.04E-08	3.25E-09	7.86E-08	5.52E-08	4.78E-08	1.43E-08	1.99E-07
475863.09, 3858377.25	0.00135	0.000273	9.47E-08	2.86E-07	2.26E-07	1.95E-07	8.78E-08	3.16E-09	7.64E-08	5.36E-08	4.64E-08	1.39E-08	1.93E-07
476363.09, 3858377.25	0.00142	0.000288	9.96E-08	3.01E-07	2.37E-07	2.05E-07	9.24E-08	3.32E-09	8.03E-08	5.64E-08	4.88E-08	1.46E-08	2.03E-07
476863.09, 3858377.25	0.00151	0.000306	1.06E-07	3.20E-07	2.53E-07	2.18E-07	9.83E-08	3.54E-09	8.54E-08	6.00E-08	5.19E-08	1.55E-08	2.16E-07
477363.09, 3858377.25	0.00155	0.000314	1.09E-07	3.28E-07	2.59E-07	2.24E-07	1.01E-07	3.63E-09	8.77E-08	6.16E-08	5.33E-08	1.59E-08	2.22E-07
477863.09, 3858377.25	0.00172	0.000348	1.21E-07	3.64E-07	2.88E-07	2.49E-07	1.12E-07	4.03E-09	9.73E-08	6.83E-08	5.91E-08	1.77E-08	2.46E-07
478363.09, 3858377.25	0.00182	0.000369	1.28E-07	3.85E-07	3.04E-07	2.63E-07	1.18E-07	4.26E-09	1.03E-07	7.23E-08	6.26E-08	1.87E-08	2.61E-07
478863.09, 3858377.25	0.0017	0.000344	1.19E-07	3.60E-07	2.84E-07	2.46E-07	1.11E-07	3.98E-09	9.61E-08	6.75E-08	5.84E-08	1.74E-08	2.44E-07
479363.09, 3858377.25	0.00245	0.000496	1.72E-07	5.19E-07	4.10E-07	3.55E-07	1.59E-07	5.74E-09	1.39E-07	9.73E-08	8.42E-08	2.51E-08	3.51E-07

479863.09, 3858377.25	0.00352	0.000713	2.47E-07	7.45E-07	5.89E-07	5.09E-07	2.29E-07	8.24E-09	1.99E-07	1.40E-07	1.21E-07	3.61E-08	5.04E-07
480363.09, 3858377.25	0.00424	0.000859	2.97E-07	8.98E-07	7.09E-07	6.14E-07	2.76E-07	9.93E-09	2.40E-07	1.68E-07	1.46E-07	4.35E-08	6.07E-07
480863.09, 3858377.25	0.00457	0.000926	3.20E-07	9.68E-07	7.64E-07	6.61E-07	2.97E-07	1.07E-08	2.58E-07	1.82E-07	1.57E-07	4.69E-08	6.55E-07
481363.09, 3858377.25	0.00488	0.000988	3.42E-07	1.03E-06	8.16E-07	7.06E-07	3.18E-07	1.14E-08	2.76E-07	1.94E-07	1.68E-07	5.01E-08	6.99E-07
481863.09, 3858377.25	0.00496	0.001005	3.48E-07	1.05E-06	8.29E-07	7.18E-07	3.23E-07	1.16E-08	2.81E-07	1.97E-07	1.71E-07	5.09E-08	7.11E-07
482363.09, 3858377.25	0.00525	0.001063	3.68E-07	1.11E-06	8.78E-07	7.60E-07	3.42E-07	1.23E-08	2.97E-07	2.09E-07	1.80E-07	5.39E-08	7.52E-07
482863.09, 3858377.25	0.00645	0.001306	4.52E-07	1.37E-06	1.08E-06	9.33E-07	4.20E-07	1.51E-08	3.65E-07	2.56E-07	2.22E-07	6.62E-08	9.24E-07
483363.09, 3858377.25	0.0085	0.001722	5.96E-07	1.80E-06	1.42E-06	1.23E-06	5.53E-07	1.99E-08	4.81E-07	3.38E-07	2.92E-07	8.72E-08	1.22E-06
483863.09, 3858377.25	0.00951	0.001926	6.67E-07	2.01E-06	1.59E-06	1.38E-06	6.19E-07	2.23E-08	5.38E-07	3.78E-07	3.27E-07	9.76E-08	1.36E-06
484363.09, 3858377.25	0.00967	0.001959	6.78E-07	2.05E-06	1.62E-06	1.40E-06	6.29E-07	2.26E-08	5.47E-07	3.84E-07	3.32E-07	9.92E-08	1.39E-06
484863.09, 3858377.25	0.00964	0.001953	6.76E-07	2.04E-06	1.61E-06	1.39E-06	6.27E-07	2.26E-08	5.45E-07	3.83E-07	3.31E-07	9.89E-08	1.38E-06
485363.09, 3858377.25	0.01039	0.002105	7.29E-07	2.20E-06	1.74E-06	1.50E-06	6.76E-07	2.43E-08	5.88E-07	4.13E-07	3.57E-07	1.07E-07	1.49E-06
485863.09, 3858377.25	0.01239	0.00251	8.69E-07	2.62E-06	2.07E-06	1.79E-06	8.06E-07	2.90E-08	7.01E-07	4.92E-07	4.26E-07	1.27E-07	1.78E-06
486363.09, 3858377.25	0.01519	0.003077	1.07E-06	3.22E-06	2.54E-06	2.20E-06	9.88E-07	3.56E-08	8.59E-07	6.04E-07	5.22E-07	1.56E-07	2.18E-06
486863.09, 3858377.25	0.01727	0.003498	1.21E-06	3.66E-06	2.89E-06	2.50E-06	1.12E-06	4.04E-08	9.77E-07	6.86E-07	5.94E-07	1.77E-07	2.47E-06
487363.09, 3858377.25	0.01741	0.003526	1.22E-06	3.69E-06	2.91E-06	2.52E-06	1.13E-06	4.08E-08	9.85E-07	6.92E-07	5.99E-07	1.79E-07	2.49E-06
487863.09, 3858377.25	0.01602	0.003245	1.12E-06	3.39E-06	2.68E-06	2.32E-06	1.04E-06	3.75E-08	9.06E-07	6.37E-07	5.51E-07	1.64E-07	2.30E-06
488363.09, 3858377.25	0.01529	0.003097	1.07E-06	3.24E-06	2.56E-06	2.21E-06	9.95E-07	3.58E-08	8.65E-07	6.08E-07	5.26E-07	1.57E-07	2.19E-06
488863.09, 3858377.25	0.01521	0.003081	1.07E-06	3.22E-06	2.54E-06	2.20E-06	9.90E-07	3.56E-08	8.60E-07	6.04E-07	5.23E-07	1.56E-07	2.18E-06
489363.09, 3858377.25	0.01452	0.002941	1.02E-06	3.07E-06	2.43E-06	2.10E-06	9.45E-07	3.40E-08	8.21E-07	5.77E-07	4.99E-07	1.49E-07	2.08E-06
489863.09, 3858377.25	0.01448	0.002933	1.02E-06	3.07E-06	2.42E-06	2.10E-06	9.42E-07	3.39E-08	8.19E-07	5.75E-07	4.98E-07	1.49E-07	2.07E-06
490363.09, 3858377.25	0.01382	0.002799	9.69E-07	2.93E-06	2.31E-06	2.00E-06	8.99E-07	3.24E-08	7.82E-07	5.49E-07	4.75E-07	1.42E-07	1.98E-06
490863.09, 3858377.25	0.01404	0.002844	9.84E-07	2.97E-06	2.35E-06	2.03E-06	9.14E-07	3.29E-08	7.94E-07	5.58E-07	4.83E-07	1.44E-07	2.01E-06
491363.09, 3858377.25	0.01053	0.002133	7.38E-07	2.23E-06	1.76E-06	1.52E-06	6.85E-07	2.47E-08	5.96E-07	4.18E-07	3.62E-07	1.08E-07	1.51E-06
491863.09, 3858377.25	0.00709	0.001436	4.97E-07	1.50E-06	1.19E-06	1.03E-06	4.61E-07	1.66E-08	4.01E-07	2.82E-07	2.44E-07	7.28E-08	1.02E-06
492363.09, 3858377.25	0.00538	0.00109	3.77E-07	1.14E-06	9.00E-07	7.78E-07	3.50E-07	1.26E-08	3.04E-07	2.14E-07	1.85E-07	5.52E-08	7.71E-07
492863.09, 3858377.25	0.00516	0.001045	3.62E-07	1.09E-06	8.63E-07	7.47E-07	3.36E-07	1.21E-08	2.92E-07	2.05E-07	1.77E-07	5.30E-08	7.39E-07
493363.09, 3858377.25	0.00481	0.000974	3.37E-07	1.02E-06	8.04E-07	6.96E-07	3.13E-07	1.13E-08	2.72E-07	1.91E-07	1.65E-07	4.94E-08	6.89E-07
493863.09, 3858377.25	0.00454	0.00092	3.18E-07	9.61E-07	7.59E-07	6.57E-07	2.95E-07	1.06E-08	2.57E-07	1.80E-07	1.56E-07	4.66E-08	6.50E-07
494363.09, 3858377.25	0.00442	0.000895	3.10E-07	9.36E-07	7.39E-07	6.40E-07	2.88E-07	1.03E-08	2.50E-07	1.76E-07	1.52E-07	4.54E-08	6.33E-07
494863.09, 3858377.25	0.00425	0.000861	2.98E-07	9.00E-07	7.11E-07	6.15E-07	2.77E-07	9.95E-09	2.40E-07	1.69E-07	1.46E-07	4.36E-08	6.09E-07
495363.09, 3858377.25	0.00412	0.000835	2.89E-07	8.72E-07	6.89E-07	5.96E-07	2.68E-07	9.65E-09	2.33E-07	1.64E-07	1.42E-07	4.23E-08	5.90E-07
495863.09, 3858377.25	0.00424	0.000859	2.97E-07	8.98E-07	7.09E-07	6.14E-07	2.76E-07	9.93E-09	2.40E-07	1.68E-07	1.46E-07	4.35E-08	6.07E-07
496363.09, 3858377.25	0.00441	0.000893	3.09E-07	9.34E-07	7.37E-07	6.38E-07	2.87E-07	1.03E-08	2.49E-07	1.75E-07	1.52E-07	4.53E-08	6.32E-07
496863.09, 3858377.25	0.00497	0.001007	3.48E-07	1.05E-06	8.31E-07	7.19E-07	3.23E-07	1.16E-08	2.81E-07	1.97E-07	1.71E-07	5.10E-08	7.12E-07
497363.09, 3858377.25	0.00574	0.001163	4.02E-07	1.22E-06	9.60E-07	8.31E-07	3.73E-07	1.34E-08	3.25E-07	2.28E-07	1.97E-07	5.89E-08	8.22E-07
497863.09, 3858377.25	0.00742	0.001503	5.20E-07	1.57E-06	1.24E-06	1.07E-06	4.83E-07	1.74E-08	4.20E-07	2.95E-07	2.55E-07	7.62E-08	1.06E-06
498363.09, 3858377.25	0.0096	0.001945	6.73E-07	2.03E-06	1.61E-06	1.39E-06	6.25E-07	2.25E-08	5.43E-07	3.81E-07	3.30E-07	9.85E-08	1.38E-06
471363.09, 3858877.25	0.0017	0.000344	1.19E-07	3.60E-07	2.84E-07	2.46E-07	1.11E-07	3.98E-09	9.61E-08	6.75E-08	5.84E-08	1.74E-08	2.44E-07
471863.09, 3858877.25	0.00172	0.000348	1.21E-07	3.64E-07	2.88E-07	2.49E-07	1.12E-07	4.03E-09	9.73E-08	6.83E-08	5.91E-08	1.77E-08	2.46E-07
472363.09, 3858877.25	0.00184	0.000373	1.29E-07	3.90E-07	3.08E-07	2.66E-07	1.20E-07	4.31E-09	1.04E-07	7.31E-08	6.33E-08	1.89E-08	2.64E-07
472863.09, 3858877.25	0.00193	0.000391	1.35E-07	4.09E-07	3.23E-07	2.79E-07	1.26E-07	4.52E-09	1.09E-07	7.67E-08	6.64E-08	1.98E-08	2.77E-07
473363.09, 3858877.25	0.00211	0.000427	1.48E-07	4.47E-07	3.53E-07	3.05E-07	1.37E-07	4.94E-09	1.19E-07	8.38E-08	7.25E-08	2.17E-08	3.02E-07
473863.09, 3858877.25	0.00203	0.000411	1.42E-07	4.30E-07	3.39E-07	2.94E-07	1.32E-07	4.75E-09	1.15E-07	8.07E-08	6.98E-08	2.08E-08	2.91E-07
474363.09, 3858877.25	0.00177	0.000359	1.24E-07	3.75E-07	2.96E-07	2.56E-07	1.15E-07	4.14E-09	1.00E-07	7.03E-08	6.09E-08	1.82E-08	2.54E-07
474863.09, 3858877.25	0.00142	0.000288	9.96E-08	3.01E-07	2.37E-07	2.05E-07	9.24E-08	3.32E-09	8.03E-08	5.64E-08	4.88E-08	1.46E-08	2.03E-07
475363.09, 3858877.25	0.00136	0.000275	9.54E-08	2.88E-07	2.27E-07	1.97E-07	8.85E-08	3.18E-09	7.69E-08	5.40E-08	4.68E-08	1.40E-08	1.95E-07
475863.09, 3858877.25	0.00142	0.000288	9.96E-08	3.01E-07	2.37E-07	2.05E-07	9.24E-08	3.32E-09	8.03E-08	5.64E-08	4.88E-08	1.46E-08	2.03E-07
476363.09, 3858877.25	0.00132	0.000267	9.26E-08	2.79E-07	2.21E-07	1.91E-07	8.59E-08	3.09E-09	7.47E-08	5.24E-08	4.54E-08	1.35E-08	1.89E-07
476863.09, 3858877.25	0.0014	0.000284	9.82E-08	2.96E-07	2.34E-07	2.03E-07	9.11E-08	3.28E-09	7.92E-08	5.56E-08	4.81E-08	1.44E-08	2.01E-07
477363.09, 3858877.25	0.00145	0.000294	1.02E-07	3.07E-07	2.42E-07	2.10E-07	9.43E-08	3.40E-09	8.20E-08	5.76E-08	4.99E-08	1.49E-08	2.08E-07
477863.09, 3858877.25	0.00155	0.000314	1.09E-07	3.28E-07	2.59E-07	2.24E-07	1.01E-07	3.63E-09	8.77E-08	6.16E-08	5.33E-08	1.59E-08	2.22E-07
478363.09, 3858877.25	0.00183	0.000371	1.28E-07	3.87E-07	3.06E-07	2.65E-07	1.19E-07	4.28E-09	1.03E-07	7.27E-08	6.29E-08	1.88E-08	2.62E-07
478863.09, 3858877.25	0.00184	0.000373	1.29E-07	3.90E-07	3.08E-07	2.66E-07	1.20E-07	4.31E-09	1.04E-07	7.31E-08	6.33E-08	1.89E-08	2.64E-07
479363.09, 3858877.25	0.00184	0.000373	1.29E-07	3.90E-07	3.08E-07	2.66E-07	1.20E-07	4.31E-09	1.04E-07	7.31E-08	6.33E-08	1.89E-08	2.64E-07
479863.09, 3858877.25	0.00319	0.000646	2.24E-07	6.75E-07	5.33E-07	4.62E-07	2.08E-07	7.47E-09	1.80E-07	1.27E-07	1.10E-07	3.27E-08	4.57E-07
480363.09, 3858877.25	0.00382	0.000774	2.68E-07	8.09E-07	6.39E-07	5.53E-07	2.49E-07	8.94E-09	2.16E-07	1.52E-07	1.31E-07	3.92E-08	5.47E-07
480863.09, 3858877.25	0.00449	0.000909	3.15E-07	9.51E-07	7.51E-07	6.50E-07	2.92E-07	1.05E-08	2.54E-07	1.78E-07	1.54E-07	4.61E-08	6.43E-07
481363.09, 3858877.25	0.00491	0.000995	3.44E-07	1.04E-06	8.21E-07	7.10E-07	3.19E-07	1.15E-08	2.78E-07	1.95E-07	1.69E-07	5.04E-08	7.03E-07
481863.09, 3858877.25	0.00538	0.00109	3.77E-07	1.14E-06	9.00E-07	7.78E-07	3.50E-07	1.26E-08	3.04E-07	2.14E-07	1.85E-07	5.52E-08	7.71E-07
482363.09, 3858877.25	0.00566	0.001146	3.97E-07	1.20E-06	9.47E-07	8.19E-07	3.68E-07	1.33E-08	3.20E-07	2.25E-07	1.95E-07	5.81E-08	8.11E-07
482863.09, 3858877.25	0.00624	0.001264	4.38E-07	1.32E-06	1.04E-06	9.03E-07	4.06E-07	1.46E-08	3.53E-07	2.48E-07	2.15E-07	6.40E-08	8.94E-07
483363.09, 3858877.25	0.00964	0.001953	6.76E-07	2.04E-06	1.61E-06	1.39E-06	6.27E-07	2.26E-08	5.45E-07	3.83E-07	3.31E-07	9.89E-08	1.38E-06
483863.09, 3858877.25	0.01063	0.002153	7.45E-07	2.25E-06	1.78E-06	1.54E-06	6.92E-07	2.49E-08	6.01E-07	4.22E-07	3.65E-07	1.09E-07	1.52E-06
484363.09, 3858877.25	0.01104	0.002236	7.74E-07	2.34E-06	1.85E-06	1.60E-06	7.18E-07	2.58E-08	6.24E-07	4.39E-07	3.80E-07	1.13E-07	1.58E-06
484863.09, 3858877.25	0.01147	0.002323	8.04E-07	2.43E-06	1.92E-06	1.66E-06	7.46E-07	2.69E-08	6.49E-07	4.56E-07	3.94E-07	1.18E-07	1.64E-06
485363.09, 3858877.25	0.01212	0.002455	8.50E-07	2.57E-06	2.03E-06	1.75E-06	7.89E-07	2.84E-08	6.85E-07	4.82E-07	4.17E-07	1.24E-07	1.74E-06
485863.09, 3858877.25	0.01245	0.002522	8.73E-07	2.64E-06	2.08E-06	1.80E-06	8.10E-07	2.92E-08	7.04E-07	4.95E-07	4.28E-07	1.28E-07	1.78E-06
486363.09, 3858877.25	0.01291	0.002615	9.05E-07	2.73E-06	2.16E-06	1.87E-06	8.40E-07	3.02E-08	7.30E-07	5.13E-07	4.44E-07	1.32E-07	1.85E-06
486863.09, 3858877.25	0.01395	0.002826	9.78E-07	2.95E-06	2.33E-06	2.02E-06	9.08E-07	3.27E-08	7.89E-07	5.54E-07	4.80E-07	1.43E-07	2.00E-06
487363.09, 3858877.25	0.01589	0.003219	1.11E-06	3.36E-06	2.66E-06	2.30E-06	1.03E-06	3.72E-08	8.99E-07	6.31E-07	5.46E-07	1.63E-07	2.28E-06
487863.09, 3858877.25	0.01962	0.003974	1.38E-06	4.15E-06	3.28E-06	2.84E-06	1.28E-06	4.59E-08	1.11E-06	7.80E-07	6.75E-07	2.01E-07	2.81E-06
488363.09, 3858877.25	0.01994	0.004039	1.40E-06	4.22E-06	3.33E-06	2.89E-06	1.30E-06	4.67E-08	1.13E-06	7.92E-07	6.86E-07	2.05E-07	2.86E-06
488863.09, 3858877.25	0.01797	0.00364	1.26E-06	3.80E-06	3.01E-06	2.60E-06	1.17E-06	4.21E-08	1.02E-06	7.14E-07	6.18E-07	1.84E-07	2.57E-06
489363.09, 3858877.25	0.01675	0.003393	1.17E-06	3.55E-06	2.80E-06	2.42E-06	1.09E-06	3.92E-08	9.47E-07	6.66E-07	5.76E-07	1.72E-07	2.40E-06
489863.09, 3858877.25	0.01702	0.003447	1.19E-06	3.60E-06	2.85E-06	2.46E-06	1.11E-06	3.99E-08	9.63E-07	6.76E-07	5.85E-07	1.75E-07	2.44E-06
490363.09, 3858877.25	0.01558	0.003156	1.09E-06	3.30E-06	2.61E-06	2.25E-06	1.01E-06	3.65E-08	8.81E-07	6.19E-07	5.36E-07	1.60E-07	2.23E-06
490863.09, 3858877.25	0.01182	0.002394	8.29E-07	2.50E-06	1.98E-06	1.71E-06	7.69E-07	2.77E-08	6.69E-07	4.70E-07	4.06E-07	1.21E-07	1.69E-06
491363.09, 3858877.25	0.00903	0.001829	6.33E-07	1.91E-06	1.51E-06	1.31E-06	5.88E-07	2.11E-08	5.11E-07	3.59E-07	3.10E-07	9.27E-08	1.29E-06
491863.09, 3858877.25	0.0073	0.001479	5.12E-07	1.55E-06	1.22E-06	1.06E-06	4.75E-07	1.71E-08	4.13E-07	2.90E-07	2.51E-07	7.49E-08	1.05E-06
492363.09, 3858877.25	0.0079	0.0016	5.54E-07	1.67E-06	1.32E-06	1.14E-06	5.14E-07	1.85E-08	4.47E-07	3.14E-07	2.72E-07	8.11E-08	1.13E-06
492863.09, 3858877.25	0.00888	0.001799	6.23E-07	1.88E-06	1.49E-06	1.28E-06	5.78E-07	2.08E-08	5.02E-07	3.53E-07	3.05E-07	9.11E-08	1.27E-06
493363.09, 3858877.25	0.00738	0.001495	5.17E-07	1.56E-06	1.23E-06	1.07E-06	4.80E-07	1.73E-08	4.17E-07	2.93E-07	2.54E-07	7.57E-08	1.06E-06
493863.09, 3858877.25	0.0065	0.001317	4.56E-07	1.38E-06	1.09E-06	9.41E-07	4.23E-07	1.52E-08	3.68E-07	2.58E-07	2.23E-07	6.67E-08	9.31E-07
494363.09, 3858877.25	0.00655	0.001327	4.59E-07	1.39E-06	1.10E-06	9.48E-07	4.26E-07	1.53E-08	3.70E-07	2.60E-07	2.25E-07	6.72E-08	9.38E-07
494863.09, 3858877.25	0.00666	0.001349	4.67E-07	1.41E-06	1.11E-06	9.64E-07	4.33E-07	1.56E-08	3.77E-07	2.65E-07	2.29E-07	6.84E-08	9.54E-07
495363.09, 3858877.25	0.00653	0.001323	4.58E-07	1.38E-06	1.09E-06	9.45E-07	4.25E-07	1.53E-08	3.69E-07	2.59E-07	2.25E-07	6.70E-08	9.36E-07
495863.09, 3858877.25	0.00669	0.001355	4.69E-07	1.42E-06	1.12E-06	9.68E-07	4.35E-07	1.57E-08	3.78E-07	2.66E-07	2.30E-07	6.87E-08	9.59E-07
496363.09, 3858877.25	0.00716	0.00145	5.02E-07	1.52E-06	1.20E-06	1.04E-06	4.66E-07	1.68E-08	4.05E-07	2.84E-07	2.46E-07	7.35E-08	1.03E-06
496863.09, 3858877.25	0.00811	0.001643	5.69E-07	1.72E-06	1.36E-06	1.17E-06	5.28E-07	1.90E-08	4.59E-07	3.22E-07	2.79E-07	8.32E-08	1.16E-06
497363.09, 3858877.25	0.00962	0.001949	6.75E-07	2.04E-06	1.61E-06	1.39E-06	6.26E-07	2.25E-08	5.44E-07	3.82E-07	3.31E-07	9.87E-08	1.38E-06
497863.09, 3858877.25	0.0124	0.002512	8.69E-07	2.63E-06	2.07E-06	1.79E-06	8.07E-07	2.90E-08	7.01E-07	4.93E-07	4.26E-07	1.27E-07	1.78E-06
498363.09, 3858877.25	0.01605	0.003251	1.13E-06	3.40E-06	2.68E-06	2.32E-06	1.04E-06	3.76E-08	9.08E-07	6.38E-07	5.52E-07	1.65E-07	2.30E-06
471363.09, 3859377.25	0.00157	0.000318	1.10E-07	3.32E-07	2.63E-07	2.27E-07	1.02E-07	3.68E-09	8.88E-08	6.24E-08	5.40E-08	1.61E-08	2.25E-07
471863.09, 3859377.25	0.00162	0.000328	1.14E-07	3.43E-07	2.71E-07	2.34E-07	1.05E-07	3.79E-09	9.16E-08	6.44E-08	5.57E-08	1.66E-08	2.32E-07
472363.09, 3859377.25	0.00174	0.000352	1.22E-07	3.68E-07	2.91E-07	2.52E-07	1.13E-07	4.07E-09	9.84E-08	6.91E-08	5.98E-08	1.79E-08	2.49E-07
472863.09, 3859377.25	0.00185	0.000375	1.30E-07	3.92E-07	3.09E-07	2.68E-07	1.20E-07	4.33E-09	1.05E-07	7.35E-08	6.36E-08	1.90E-08	2.65E-07
473363.09, 3859377.25	0.002	0.000405	1.40E-07	4.23E-07	3.34E-07	2.89E-07	1.30E-07	4.68E-09	1.13E-07	7.95E-08	6.88E-08	2.05E-08	2.87E-07
473863.09, 3859377.25	0.00204	0.000413	1.43E-07	4.32E-07	3.41E-07	2.95E-07	1.33E-07	4.78E-09	1.15E-07	8.11E-08	7.01E-08	2.09E-08	2.92E-07

474363.09, 3859377.25	0.00172	0.000348	1.21E-07	3.64E-07	2.88E-07	2.49E-07	1.12E-07	4.03E-09	9.73E-08	6.83E-08	5.91E-08	1.77E-08	2.46E-07
474863.09, 3859377.25	0.00151	0.000306	1.06E-07	3.20E-07	2.53E-07	2.18E-07	9.83E-08	3.54E-09	8.54E-08	6.00E-08	5.19E-08	1.55E-08	2.16E-07
475363.09, 3859377.25	0.00139	0.000282	9.75E-08	2.94E-07	2.32E-07	2.01E-07	9.04E-08	3.25E-09	7.86E-08	5.52E-08	4.78E-08	1.43E-08	1.99E-07
475863.09, 3859377.25	0.00131	0.000265	9.19E-08	2.77E-07	2.19E-07	1.90E-07	8.52E-08	3.07E-09	7.41E-08	5.21E-08	4.50E-08	1.34E-08	1.88E-07
476363.09, 3859377.25	0.00133	0.000269	9.33E-08	2.82E-07	2.22E-07	1.92E-07	8.65E-08	3.11E-09	7.52E-08	5.28E-08	4.57E-08	1.36E-08	1.91E-07
476863.09, 3859377.25	0.00131	0.000265	9.19E-08	2.77E-07	2.19E-07	1.90E-07	8.52E-08	3.07E-09	7.41E-08	5.21E-08	4.50E-08	1.34E-08	1.88E-07
477363.09, 3859377.25	0.00138	0.00028	9.68E-08	2.92E-07	2.31E-07	2.00E-07	8.98E-08	3.23E-09	7.80E-08	5.48E-08	4.74E-08	1.42E-08	1.98E-07
477863.09, 3859377.25	0.00163	0.00033	1.14E-07	3.45E-07	2.73E-07	2.36E-07	1.06E-07	3.82E-09	9.22E-08	6.48E-08	5.60E-08	1.67E-08	2.34E-07
478363.09, 3859377.25	0.00184	0.000373	1.29E-07	3.90E-07	3.08E-07	2.66E-07	1.20E-07	4.31E-09	1.04E-07	7.31E-08	6.33E-08	1.89E-08	2.64E-07
478863.09, 3859377.25	0.00211	0.000427	1.48E-07	4.47E-07	3.53E-07	3.05E-07	1.37E-07	4.94E-09	1.19E-07	8.38E-08	7.25E-08	2.17E-08	3.02E-07
479363.09, 3859377.25	0.00239	0.000484	1.68E-07	5.06E-07	4.00E-07	3.46E-07	1.56E-07	5.60E-09	1.35E-07	9.50E-08	8.22E-08	2.45E-08	3.42E-07
479863.09, 3859377.25	0.00272	0.000551	1.91E-07	5.76E-07	4.55E-07	3.94E-07	1.77E-07	6.37E-09	1.54E-07	1.08E-07	9.35E-08	2.79E-08	3.90E-07
480363.09, 3859377.25	0.00317	0.000642	2.22E-07	6.71E-07	5.30E-07	4.59E-07	2.06E-07	7.42E-09	1.79E-07	1.26E-07	1.09E-07	3.25E-08	4.54E-07
480863.09, 3859377.25	0.00367	0.000743	2.57E-07	7.77E-07	6.14E-07	5.31E-07	2.39E-07	8.59E-09	2.08E-07	1.46E-07	1.26E-07	3.77E-08	5.26E-07
481363.09, 3859377.25	0.00411	0.000832	2.88E-07	8.70E-07	6.87E-07	5.95E-07	2.67E-07	9.62E-09	2.32E-07	1.63E-07	1.41E-07	4.22E-08	5.89E-07
481863.09, 3859377.25	0.00458	0.000928	3.21E-07	9.70E-07	7.66E-07	6.63E-07	2.98E-07	1.07E-08	2.59E-07	1.82E-07	1.57E-07	4.70E-08	6.56E-07
482363.09, 3859377.25	0.00503	0.001019	3.53E-07	1.06E-06	8.41E-07	7.28E-07	3.27E-07	1.18E-08	2.84E-07	2.00E-07	1.73E-07	5.16E-08	7.21E-07
482863.09, 3859377.25	0.00588	0.001191	4.12E-07	1.24E-06	9.83E-07	8.51E-07	3.83E-07	1.38E-08	3.33E-07	2.34E-07	2.02E-07	6.03E-08	8.42E-07
483363.09, 3859377.25	0.00786	0.001592	5.51E-07	1.66E-06	1.31E-06	1.14E-06	5.11E-07	1.84E-08	4.45E-07	3.12E-07	2.70E-07	8.07E-08	1.13E-06
483863.09, 3859377.25	0.01095	0.002218	7.68E-07	2.32E-06	1.83E-06	1.58E-06	7.12E-07	2.56E-08	6.19E-07	4.35E-07	3.76E-07	1.12E-07	1.57E-06
484363.09, 3859377.25	0.01183	0.002396	8.29E-07	2.50E-06	1.98E-06	1.71E-06	7.70E-07	2.77E-08	6.69E-07	4.70E-07	4.07E-07	1.21E-07	1.69E-06
484863.09, 3859377.25	0.01261	0.002554	8.84E-07	2.67E-06	2.11E-06	1.82E-06	8.20E-07	2.95E-08	7.13E-07	5.01E-07	4.34E-07	1.29E-07	1.81E-06
485363.09, 3859377.25	0.01356	0.002747	9.51E-07	2.87E-06	2.27E-06	1.96E-06	8.82E-07	3.17E-08	7.67E-07	5.39E-07	4.66E-07	1.39E-07	1.94E-06
485863.09, 3859377.25	0.01452	0.002941	1.02E-06	3.07E-06	2.43E-06	2.10E-06	9.45E-07	3.40E-08	8.21E-07	5.77E-07	4.99E-07	1.49E-07	2.08E-06
486363.09, 3859377.25	0.01525	0.003089	1.07E-06	3.23E-06	2.55E-06	2.21E-06	9.92E-07	3.57E-08	8.62E-07	6.06E-07	5.24E-07	1.57E-07	2.18E-06
486863.09, 3859377.25	0.01619	0.003279	1.14E-06	3.43E-06	2.71E-06	2.34E-06	1.05E-06	3.79E-08	9.16E-07	6.43E-07	5.57E-07	1.66E-07	2.32E-06
487363.09, 3859377.25	0.01699	0.003441	1.19E-06	3.60E-06	2.84E-06	2.46E-06	1.11E-06	3.98E-08	9.61E-07	6.75E-07	5.84E-07	1.74E-07	2.43E-06
487863.09, 3859377.25	0.01663	0.003368	1.17E-06	3.52E-06	2.78E-06	2.41E-06	1.08E-06	3.89E-08	9.41E-07	6.61E-07	5.72E-07	1.71E-07	2.38E-06
488363.09, 3859377.25	0.01807	0.00366	1.27E-06	3.83E-06	3.02E-06	2.61E-06	1.18E-06	4.23E-08	1.02E-06	7.18E-07	6.21E-07	1.85E-07	2.59E-06
488863.09, 3859377.25	0.02116	0.004286	1.48E-06	4.48E-06	3.54E-06	3.06E-06	1.38E-06	4.95E-08	1.20E-06	8.41E-07	7.28E-07	2.17E-07	3.03E-06
489363.09, 3859377.25	0.02287	0.004632	1.60E-06	4.84E-06	3.82E-06	3.31E-06	1.49E-06	5.35E-08	1.29E-06	9.09E-07	7.86E-07	2.35E-07	3.28E-06
489863.09, 3859377.25	0.02189	0.004434	1.53E-06	4.63E-06	3.66E-06	3.17E-06	1.42E-06	5.13E-08	1.24E-06	8.70E-07	7.53E-07	2.25E-07	3.14E-06
490363.09, 3859377.25	0.01877	0.003802	1.32E-06	3.97E-06	3.14E-06	2.72E-06	1.22E-06	4.39E-08	1.06E-06	7.46E-07	6.45E-07	1.93E-07	2.69E-06
490863.09, 3859377.25	0.01461	0.002959	1.02E-06	3.09E-06	2.44E-06	2.11E-06	9.51E-07	3.42E-08	8.26E-07	5.81E-07	5.02E-07	1.50E-07	2.09E-06
491363.09, 3859377.25	0.01007	0.00204	7.06E-07	2.13E-06	1.68E-06	1.46E-06	6.55E-07	2.36E-08	5.70E-07	4.00E-07	3.46E-07	1.03E-07	1.44E-06
491863.09, 3859377.25	0.01254	0.00254	8.79E-07	2.65E-06	2.10E-06	1.81E-06	8.16E-07	2.94E-08	7.09E-07	4.98E-07	4.31E-07	1.29E-07	1.80E-06
492363.09, 3859377.25	0.01353	0.002741	9.49E-07	2.86E-06	2.26E-06	1.96E-06	8.80E-07	3.17E-08	7.65E-07	5.38E-07	4.65E-07	1.39E-07	1.94E-06
492863.09, 3859377.25	0.01447	0.002931	1.01E-06	3.06E-06	2.42E-06	2.09E-06	9.42E-07	3.39E-08	8.18E-07	5.75E-07	4.97E-07	1.49E-07	2.07E-06
493363.09, 3859377.25	0.01215	0.002461	8.52E-07	2.57E-06	2.03E-06	1.76E-06	7.91E-07	2.84E-08	6.87E-07	4.83E-07	4.18E-07	1.25E-07	1.74E-06
493863.09, 3859377.25	0.01113	0.002254	7.80E-07	2.36E-06	1.86E-06	1.61E-06	7.24E-07	2.61E-08	6.29E-07	4.42E-07	3.83E-07	1.14E-07	1.59E-06
494363.09, 3859377.25	0.01156	0.002342	8.11E-07	2.45E-06	1.93E-06	1.67E-06	7.52E-07	2.71E-08	6.54E-07	4.59E-07	3.97E-07	1.19E-07	1.66E-06
494863.09, 3859377.25	0.01128	0.002285	7.91E-07	2.39E-06	1.89E-06	1.63E-06	7.34E-07	2.64E-08	6.38E-07	4.48E-07	3.88E-07	1.16E-07	1.62E-06
495363.09, 3859377.25	0.01167	0.002364	8.18E-07	2.47E-06	1.95E-06	1.69E-06	7.59E-07	2.73E-08	6.60E-07	4.64E-07	4.01E-07	1.20E-07	1.67E-06
495863.09, 3859377.25	0.01183	0.002396	8.29E-07	2.50E-06	1.98E-06	1.71E-06	7.70E-07	2.77E-08	6.69E-07	4.70E-07	4.07E-07	1.21E-07	1.69E-06
496363.09, 3859377.25	0.01303	0.002639	9.14E-07	2.76E-06	2.18E-06	1.89E-06	8.48E-07	3.05E-08	7.37E-07	5.18E-07	4.48E-07	1.34E-07	1.87E-06
496863.09, 3859377.25	0.01424	0.002884	9.98E-07	3.01E-06	2.38E-06	2.06E-06	9.27E-07	3.33E-08	8.05E-07	5.66E-07	4.90E-07	1.46E-07	2.04E-06
497363.09, 3859377.25	0.01766	0.003577	1.24E-06	3.74E-06	2.95E-06	2.56E-06	1.15E-06	4.13E-08	9.99E-07	7.02E-07	6.07E-07	1.81E-07	2.53E-06
497863.09, 3859377.25	0.02306	0.004671	1.62E-06	4.88E-06	3.86E-06	3.34E-06	1.50E-06	5.40E-08	1.30E-06	9.16E-07	7.93E-07	2.37E-07	3.30E-06
498363.09, 3859377.25	0.02976	0.006028	2.09E-06	6.30E-06	4.98E-06	4.31E-06	1.94E-06	6.97E-08	1.68E-06	1.18E-06	1.02E-06	3.05E-07	4.26E-06
471363.09, 3859877.25	0.00178	0.000361	1.25E-07	3.77E-07	2.98E-07	2.58E-07	1.16E-07	4.17E-09	1.01E-07	7.07E-08	6.12E-08	1.83E-08	2.55E-07
471863.09, 3859877.25	0.00184	0.000373	1.29E-07	3.90E-07	3.08E-07	2.66E-07	1.20E-07	4.31E-09	1.04E-07	7.31E-08	6.33E-08	1.89E-08	2.64E-07
472363.09, 3859877.25	0.00187	0.000379	1.31E-07	3.96E-07	3.13E-07	2.71E-07	1.22E-07	4.38E-09	1.06E-07	7.43E-08	6.43E-08	1.92E-08	2.68E-07
472863.09, 3859877.25	0.00199	0.000403	1.40E-07	4.21E-07	3.33E-07	2.88E-07	1.29E-07	4.66E-09	1.13E-07	7.91E-08	6.84E-08	2.04E-08	2.85E-07
473363.09, 3859877.25	0.00209	0.000423	1.47E-07	4.42E-07	3.50E-07	3.02E-07	1.36E-07	4.89E-09	1.18E-07	8.30E-08	7.19E-08	2.14E-08	2.99E-07
473863.09, 3859877.25	0.00213	0.000431	1.49E-07	4.51E-07	3.56E-07	3.08E-07	1.39E-07	4.99E-09	1.20E-07	8.46E-08	7.32E-08	2.19E-08	3.05E-07
474363.09, 3859877.25	0.00177	0.000359	1.24E-07	3.75E-07	2.96E-07	2.56E-07	1.15E-07	4.14E-09	1.00E-07	7.03E-08	6.09E-08	1.82E-08	2.54E-07
474863.09, 3859877.25	0.00154	0.000312	1.08E-07	3.26E-07	2.58E-07	2.23E-07	1.00E-07	3.61E-09	8.71E-08	6.12E-08	5.29E-08	1.58E-08	2.21E-07
475363.09, 3859877.25	0.00131	0.000265	9.19E-08	2.77E-07	2.19E-07	1.90E-07	8.52E-08	3.07E-09	7.41E-08	5.21E-08	4.50E-08	1.34E-08	1.88E-07
475863.09, 3859877.25	0.00117	0.000237	8.20E-08	2.48E-07	1.96E-07	1.69E-07	7.61E-08	2.74E-09	6.62E-08	4.65E-08	4.02E-08	1.20E-08	1.68E-07
476363.09, 3859877.25	0.00109	0.000221	7.64E-08	2.31E-07	1.82E-07	1.58E-07	7.09E-08	2.55E-09	6.16E-08	4.33E-08	3.75E-08	1.12E-08	1.56E-07
476863.09, 3859877.25	0.00117	0.000237	8.20E-08	2.48E-07	1.96E-07	1.69E-07	7.61E-08	2.74E-09	6.62E-08	4.65E-08	4.02E-08	1.20E-08	1.68E-07
477363.09, 3859877.25	0.00123	0.000249	8.62E-08	2.60E-07	2.06E-07	1.78E-07	8.00E-08	2.88E-09	6.96E-08	4.89E-08	4.23E-08	1.26E-08	1.76E-07
477863.09, 3859877.25	0.00144	0.000292	1.01E-07	3.05E-07	2.41E-07	2.08E-07	9.37E-08	3.37E-09	8.14E-08	5.72E-08	4.95E-08	1.48E-08	2.06E-07
478363.09, 3859877.25	0.0017	0.000344	1.19E-07	3.60E-07	2.84E-07	2.46E-07	1.11E-07	3.98E-09	9.61E-08	6.75E-08	5.84E-08	1.74E-08	2.44E-07
478863.09, 3859877.25	0.00205	0.000415	1.44E-07	4.34E-07	3.43E-07	2.97E-07	1.33E-07	4.80E-09	1.16E-07	8.15E-08	7.05E-08	2.10E-08	2.94E-07
479363.09, 3859877.25	0.00257	0.000521	1.80E-07	5.44E-07	4.30E-07	3.72E-07	1.67E-07	6.02E-09	1.45E-07	1.02E-07	8.84E-08	2.64E-08	3.68E-07
479863.09, 3859877.25	0.00315	0.000638	2.21E-07	6.67E-07	5.27E-07	4.56E-07	2.05E-07	7.38E-09	1.78E-07	1.25E-07	1.08E-07	3.23E-08	4.51E-07
480363.09, 3859877.25	0.00393	0.000796	2.76E-07	8.32E-07	6.57E-07	5.69E-07	2.56E-07	9.20E-09	2.22E-07	1.56E-07	1.35E-07	4.03E-08	5.63E-07
480863.09, 3859877.25	0.00439	0.000889	3.08E-07	9.29E-07	7.34E-07	6.35E-07	2.86E-07	1.03E-08	2.48E-07	1.74E-07	1.51E-07	4.51E-08	6.29E-07
481363.09, 3859877.25	0.00474	0.00096	3.32E-07	1.00E-06	7.93E-07	6.86E-07	3.08E-07	1.11E-08	2.68E-07	1.88E-07	1.63E-07	4.86E-08	6.79E-07
481863.09, 3859877.25	0.00486	0.000984	3.41E-07	1.03E-06	8.13E-07	7.03E-07	3.16E-07	1.14E-08	2.75E-07	1.93E-07	1.67E-07	4.99E-08	6.96E-07
482363.09, 3859877.25	0.00507	0.001027	3.55E-07	1.07E-06	8.48E-07	7.34E-07	3.30E-07	1.19E-08	2.87E-07	2.01E-07	1.74E-07	5.20E-08	7.26E-07
482863.09, 3859877.25	0.00533	0.00108	3.74E-07	1.13E-06	8.91E-07	7.71E-07	3.47E-07	1.25E-08	3.01E-07	2.12E-07	1.83E-07	5.47E-08	7.64E-07
483363.09, 3859877.25	0.00581	0.001177	4.07E-07	1.23E-06	9.72E-07	8.41E-07	3.78E-07	1.36E-08	3.29E-07	2.31E-07	2.00E-07	5.96E-08	8.32E-07
483863.09, 3859877.25	0.00885	0.001793	6.21E-07	1.87E-06	1.48E-06	1.28E-06	5.76E-07	2.07E-08	5.01E-07	3.52E-07	3.04E-07	9.08E-08	1.27E-06
484363.09, 3859877.25	0.01041	0.002109	7.30E-07	2.20E-06	1.74E-06	1.51E-06	6.77E-07	2.44E-08	5.89E-07	4.14E-07	3.58E-07	1.07E-07	1.49E-06
484863.09, 3859877.25	0.01161	0.002352	8.14E-07	2.46E-06	1.94E-06	1.68E-06	7.55E-07	2.72E-08	6.57E-07	4.61E-07	3.99E-07	1.19E-07	1.66E-06
485363.09, 3859877.25	0.013	0.002633	9.12E-07	2.75E-06	2.17E-06	1.88E-06	8.46E-07	3.04E-08	7.35E-07	5.17E-07	4.47E-07	1.33E-07	1.86E-06
485863.09, 3859877.25	0.0146	0.002957	1.02E-06	3.09E-06	2.44E-06	2.11E-06	9.50E-07	3.42E-08	8.26E-07	5.80E-07	5.02E-07	1.50E-07	2.09E-06
486363.09, 3859877.25	0.01619	0.003279	1.14E-06	3.43E-06	2.71E-06	2.34E-06	1.05E-06	3.79E-08	9.16E-07	6.43E-07	5.57E-07	1.66E-07	2.32E-06
486863.09, 3859877.25	0.01735	0.003514	1.22E-06	3.67E-06	2.90E-06	2.51E-06	1.13E-06	4.06E-08	9.81E-07	6.89E-07	5.97E-07	1.78E-07	2.49E-06
487363.09, 3859877.25	0.01943	0.003936	1.36E-06	4.11E-06	3.25E-06	2.81E-06	1.26E-06	4.55E-08	1.10E-06	7.72E-07	6.68E-07	1.99E-07	2.78E-06
487863.09, 3859877.25	0.01951	0.003952	1.37E-06	4.13E-06	3.26E-06	2.82E-06	1.27E-06	4.57E-08	1.10E-06	7.75E-07	6.71E-07	2.00E-07	2.80E-06
488363.09, 3859877.25	0.02155	0.004365	1.51E-06	4.56E-06	3.60E-06	3.12E-06	1.40E-06	5.05E-08	1.22E-06	8.56E-07	7.41E-07	2.21E-07	3.09E-06
488863.09, 3859877.25	0.02159	0.004373	1.51E-06	4.57E-06	3.61E-06	3.12E-06	1.40E-06	5.06E-08	1.22E-06	8.58E-07	7.42E-07	2.22E-07	3.09E-06
489363.09, 3859877.25	0.02133	0.00432	1.50E-06	4.52E-06	3.57E-06	3.09E-06	1.39E-06	4.99E-08	1.21E-06	8.48E-07	7.33E-07	2.19E-07	3.06E-06
489863.09, 3859877.25	0.02395	0.004851	1.68E-06	5.07E-06	4.01E-06	3.47E-06	1.56E-06	5.61E-08	1.35E-06	9.52E-07	8.23E-07	2.46E-07	3.43E-06
490363.09, 3859877.25	0.033	0.006684	2.31E-06	6.99E-06	5.52E-06	4.78E-06	2.15E-06	7.73E-08	1.87E-06	1.31E-06	1.13E-06	3.39E-07	4.73E-06
490863.09, 3859877.25	0.02866	0.005805	2.01E-06	6.07E-06	4.79E-06	4.15E-06	1.86E-06	6.71E-08	1.62E-06	1.14E-06	9.85E-07	2.94E-07	4.11E-06
491363.09, 3859877.25	0.02892	0.005858	2.03E-06	6.12E-06	4.84E-06	4.18E-06	1.88E-06	6.77E-08	1.64E-06	1.15E-06	9.94E-07	2.97E-07	4.14E-06
491863.09, 3859877.25	0.03021	0.006119	2.12E-06	6.40E-06	5.05E-06	4.37E-06	1.97E-06	7.07E-08	1.71E-06	1.20E-06	1.04E-06	3.10E-07	4.33E-06
492363.09, 3859877.25	0.03041	0.00616	2.13E-06	6.44E-06	5.09E-06	4.40E-06	1.98E-06	7.12E-08	1.72E-06	1.21E-06	1.05E-06	3.12E-07	4.36E-06
492863.09, 3859877.25	0.02627	0.005321	1.84E-06	5.56E-06	4.39E-06	3.80E-06	1.71E-06	6.15E-08	1.49E-06	1.04E-06	9.03E-07	2.70E-07	3.76E-06
493363.09, 3859877.25	0.02515	0.005094	1.76E-06	5.32E-06	4.21E-06	3.64E-06	1.64E-06	5.89E-08	1.42E-06	9.99E-07	8.65E-07	2.58E-07	3.60E-06
493863.09, 3859877.25	0.0254	0.005145	1.78E-06	5.38E-06	4.25E-06	3.68E-06	1.65E-06	5.95E-08	1.44E-06	1.01E-06	8.73E-07	2.61E-07	3.64E-06
494363.09, 3859877.25	0.02365	0.00479	1.66E-06	5.01E-06	3.96E-06	3.42E-06	1.54E-06	5.54E-08	1.34E-06	9.40E-07	8.13E-07	2.43E-07	3.39E-06
494863.09, 3859877.25	0.02555	0.005175	1.79E-06	5.41E-06	4.27E-06	3.70E-06	1.66E-06	5.98E-08	1.45E-06	1.02E-06	8.78E-07	2.62E-07	3.66E-06
495363.09, 3859877.25	0.02575	0.005216	1.81E-06	5.45E-06	4.31E-06	3.73E-06	1.68E-06	6.03E-08	1.46E-06	1.02E-06	8.85E-07	2.64E-07	3.69E-06
495863.09, 3859877.25	0.02532	0.005129	1.78E-06	5.36E-06	4.23E-06	3.66E-06	1.65E-06	5.93E-08	1.43E-06	1.01E-06	8.71E-07	2.60E-07	3.63E-06

496363.09, 3859877.25	0.02486	0.005035	1.74E-06	5.26E-06	4.16E-06	3.60E-06	1.62E-06	5.82E-08	1.41E-06	9.88E-07	8.55E-07	2.55E-07	3.56E-06
496863.09, 3859877.25	0.02426	0.004914	1.70E-06	5.14E-06	4.06E-06	3.51E-06	1.58E-06	5.68E-08	1.37E-06	9.64E-07	8.34E-07	2.49E-07	3.48E-06
497363.09, 3859877.25	0.03163	0.006407	2.22E-06	6.70E-06	5.29E-06	4.58E-06	2.06E-06	7.41E-08	1.79E-06	1.26E-06	1.09E-06	3.25E-07	4.53E-06
497863.09, 3859877.25	0.04489	0.009093	3.15E-06	9.50E-06	7.51E-06	6.50E-06	2.92E-06	1.05E-07	2.54E-06	1.78E-06	1.54E-06	4.61E-07	6.43E-06
498363.09, 3859877.25	0.06132	0.012421	4.30E-06	1.30E-05	1.03E-05	8.87E-06	3.99E-06	1.44E-07	3.47E-06	2.44E-06	2.11E-06	6.29E-07	8.79E-06
471363.09, 3860377.25	0.00188	0.000381	1.32E-07	3.98E-07	3.14E-07	2.72E-07	1.22E-07	4.40E-09	1.06E-07	7.47E-08	6.46E-08	1.93E-08	2.69E-07
471863.09, 3860377.25	0.00194	0.000393	1.36E-07	4.11E-07	3.24E-07	2.81E-07	1.26E-07	4.54E-09	1.10E-07	7.71E-08	6.67E-08	1.99E-08	2.78E-07
472363.09, 3860377.25	0.00204	0.000413	1.43E-07	4.32E-07	3.41E-07	2.95E-07	1.33E-07	4.78E-09	1.15E-07	8.11E-08	7.01E-08	2.09E-08	2.92E-07
472863.09, 3860377.25	0.00217	0.00044	1.52E-07	4.59E-07	3.63E-07	3.14E-07	1.41E-07	5.08E-09	1.23E-07	8.62E-08	7.46E-08	2.23E-08	3.11E-07
473363.09, 3860377.25	0.00227	0.00046	1.59E-07	4.81E-07	3.80E-07	3.28E-07	1.48E-07	5.31E-09	1.28E-07	9.02E-08	7.80E-08	2.33E-08	3.25E-07
473863.09, 3860377.25	0.00229	0.000464	1.61E-07	4.85E-07	3.83E-07	3.31E-07	1.49E-07	5.36E-09	1.30E-07	9.10E-08	7.87E-08	2.35E-08	3.28E-07
474363.09, 3860377.25	0.00214	0.000433	1.50E-07	4.53E-07	3.58E-07	3.10E-07	1.39E-07	5.01E-09	1.21E-07	8.50E-08	7.36E-08	2.20E-08	3.07E-07
474863.09, 3860377.25	0.00189	0.000383	1.33E-07	4.00E-07	3.16E-07	2.73E-07	1.23E-07	4.43E-09	1.07E-07	7.51E-08	6.50E-08	1.94E-08	2.71E-07
475363.09, 3860377.25	0.00165	0.000334	1.16E-07	3.49E-07	2.76E-07	2.39E-07	1.07E-07	3.86E-09	9.33E-08	6.56E-08	5.67E-08	1.69E-08	2.36E-07
475863.09, 3860377.25	0.00149	0.000302	1.04E-07	3.15E-07	2.49E-07	2.16E-07	9.69E-08	3.49E-09	8.43E-08	5.92E-08	5.12E-08	1.53E-08	2.13E-07
476363.09, 3860377.25	0.00138	0.00028	9.68E-08	2.92E-07	2.31E-07	2.00E-07	8.98E-08	3.23E-09	7.80E-08	5.48E-08	4.74E-08	1.42E-08	1.98E-07
476863.09, 3860377.25	0.00137	0.000277	9.61E-08	2.90E-07	2.29E-07	1.98E-07	8.91E-08	3.21E-09	7.75E-08	5.44E-08	4.71E-08	1.41E-08	1.96E-07
477363.09, 3860377.25	0.00125	0.000253	8.76E-08	2.65E-07	2.09E-07	1.81E-07	8.13E-08	2.93E-09	7.07E-08	4.97E-08	4.30E-08	1.28E-08	1.79E-07
477863.09, 3860377.25	0.00135	0.000273	9.47E-08	2.86E-07	2.26E-07	1.95E-07	8.78E-08	3.16E-09	7.64E-08	5.36E-08	4.64E-08	1.39E-08	1.93E-07
478363.09, 3860377.25	0.00163	0.00033	1.14E-07	3.45E-07	2.73E-07	2.36E-07	1.06E-07	3.82E-09	9.22E-08	6.48E-08	5.60E-08	1.67E-08	2.34E-07
478863.09, 3860377.25	0.002	0.000405	1.40E-07	4.23E-07	3.34E-07	2.89E-07	1.30E-07	4.68E-09	1.13E-07	7.95E-08	6.88E-08	2.05E-08	2.87E-07
479363.09, 3860377.25	0.0025	0.000506	1.75E-07	5.29E-07	4.18E-07	3.62E-07	1.63E-07	5.85E-09	1.41E-07	9.93E-08	8.60E-08	2.57E-08	3.58E-07
479863.09, 3860377.25	0.00317	0.000642	2.22E-07	6.71E-07	5.30E-07	4.59E-07	2.06E-07	7.42E-09	1.79E-07	1.26E-07	1.09E-07	3.25E-08	4.54E-07
480363.09, 3860377.25	0.00389	0.000788	2.73E-07	8.24E-07	6.51E-07	5.63E-07	2.53E-07	9.11E-09	2.20E-07	1.55E-07	1.34E-07	3.99E-08	5.57E-07
480863.09, 3860377.25	0.00449	0.000909	3.15E-07	9.51E-07	7.51E-07	6.50E-07	2.92E-07	1.05E-08	2.54E-07	1.78E-07	1.54E-07	4.61E-08	6.43E-07
481363.09, 3860377.25	0.00484	0.00098	3.39E-07	1.02E-06	8.09E-07	7.00E-07	3.15E-07	1.13E-08	2.74E-07	1.92E-07	1.66E-07	4.97E-08	6.93E-07
481863.09, 3860377.25	0.00533	0.00108	3.74E-07	1.13E-06	8.91E-07	7.71E-07	3.47E-07	1.25E-08	3.01E-07	2.12E-07	1.83E-07	5.47E-08	7.64E-07
482363.09, 3860377.25	0.00571	0.001157	4.00E-07	1.21E-06	9.55E-07	8.26E-07	3.72E-07	1.34E-08	3.23E-07	2.27E-07	1.96E-07	5.86E-08	8.18E-07
482863.09, 3860377.25	0.00606	0.001227	4.25E-07	1.28E-06	1.01E-06	8.77E-07	3.94E-07	1.42E-08	3.43E-07	2.41E-07	2.08E-07	6.22E-08	8.68E-07
483363.09, 3860377.25	0.00714	0.001446	5.01E-07	1.51E-06	1.19E-06	1.03E-06	4.65E-07	1.67E-08	4.04E-07	2.84E-07	2.45E-07	7.33E-08	1.02E-06
483863.09, 3860377.25	0.00778	0.001576	5.46E-07	1.65E-06	1.30E-06	1.13E-06	5.06E-07	1.82E-08	4.40E-07	3.09E-07	2.67E-07	7.98E-08	1.11E-06
484363.09, 3860377.25	0.01063	0.002153	7.45E-07	2.25E-06	1.78E-06	1.54E-06	6.92E-07	2.49E-08	6.01E-07	4.22E-07	3.65E-07	1.09E-07	1.52E-06
484863.09, 3860377.25	0.0114	0.002309	7.99E-07	2.41E-06	1.91E-06	1.65E-06	7.42E-07	2.67E-08	6.45E-07	4.53E-07	3.92E-07	1.17E-07	1.63E-06
485363.09, 3860377.25	0.01227	0.002485	8.60E-07	2.60E-06	2.05E-06	1.78E-06	7.98E-07	2.87E-08	6.94E-07	4.88E-07	4.22E-07	1.26E-07	1.76E-06
485863.09, 3860377.25	0.01306	0.002645	9.16E-07	2.76E-06	2.18E-06	1.89E-06	8.50E-07	3.06E-08	7.39E-07	5.19E-07	4.49E-07	1.34E-07	1.87E-06
486363.09, 3860377.25	0.01446	0.002929	1.01E-06	3.06E-06	2.42E-06	2.09E-06	9.41E-07	3.39E-08	8.18E-07	5.75E-07	4.97E-07	1.48E-07	2.07E-06
486863.09, 3860377.25	0.01621	0.003283	1.14E-06	3.43E-06	2.71E-06	2.35E-06	1.05E-06	3.80E-08	9.17E-07	6.44E-07	5.57E-07	1.66E-07	2.32E-06
487363.09, 3860377.25	0.01847	0.003741	1.30E-06	3.91E-06	3.09E-06	2.67E-06	1.20E-06	4.32E-08	1.04E-06	7.34E-07	6.35E-07	1.90E-07	2.65E-06
487863.09, 3860377.25	0.02009	0.004069	1.41E-06	4.25E-06	3.36E-06	2.91E-06	1.31E-06	4.70E-08	1.14E-06	7.98E-07	6.91E-07	2.06E-07	2.88E-06
488363.09, 3860377.25	0.02269	0.004596	1.59E-06	4.80E-06	3.79E-06	3.28E-06	1.48E-06	5.31E-08	1.28E-06	9.02E-07	7.80E-07	2.33E-07	3.25E-06
488863.09, 3860377.25	0.02517	0.005098	1.76E-06	5.33E-06	4.21E-06	3.64E-06	1.64E-06	5.89E-08	1.42E-06	1.00E-06	8.65E-07	2.58E-07	3.61E-06
489363.09, 3860377.25	0.02821	0.005714	1.98E-06	5.97E-06	4.72E-06	4.08E-06	1.84E-06	6.61E-08	1.60E-06	1.12E-06	9.70E-07	2.90E-07	4.04E-06
489863.09, 3860377.25	0.03001	0.006079	2.10E-06	6.35E-06	5.02E-06	4.34E-06	1.95E-06	7.03E-08	1.70E-06	1.19E-06	1.03E-06	3.08E-07	4.30E-06
490363.09, 3860377.25	0.03631	0.007355	2.55E-06	7.69E-06	6.07E-06	5.25E-06	2.36E-06	8.50E-08	2.05E-06	1.44E-06	1.25E-06	3.73E-07	5.20E-06
490863.09, 3860377.25	0.04424	0.008961	3.10E-06	9.37E-06	7.40E-06	6.40E-06	2.88E-06	1.04E-07	2.50E-06	1.76E-06	1.52E-06	4.54E-07	6.34E-06
491363.09, 3860377.25	0.06244	0.012647	4.38E-06	1.32E-05	1.04E-05	9.04E-06	4.06E-06	1.46E-07	3.53E-06	2.48E-06	2.15E-06	6.41E-07	8.95E-06
491863.09, 3860377.25	0.07962	0.016127	5.58E-06	1.69E-05	1.33E-05	1.15E-05	5.18E-06	1.86E-07	4.50E-06	3.16E-06	2.74E-06	8.17E-07	1.14E-05
492363.09, 3860377.25	0.06791	0.013755	4.76E-06	1.44E-05	1.14E-05	9.83E-06	4.42E-06	1.59E-07	3.84E-06	2.70E-06	2.33E-06	6.97E-07	9.73E-06
492863.09, 3860377.25	0.07309	0.014805	5.12E-06	1.55E-05	1.22E-05	1.06E-05	4.76E-06	1.71E-07	4.13E-06	2.90E-06	2.51E-06	7.50E-07	1.05E-05
493363.09, 3860377.25	0.06745	0.013662	4.73E-06	1.43E-05	1.13E-05	9.76E-06	4.39E-06	1.58E-07	3.81E-06	2.68E-06	2.32E-06	6.92E-07	9.66E-06
493863.09, 3860377.25	0.08923	0.018074	6.26E-06	1.89E-05	1.49E-05	1.29E-05	5.81E-06	2.09E-07	5.05E-06	3.55E-06	3.07E-06	9.16E-07	1.28E-05
494363.09, 3860377.25	0.0794	0.016083	5.57E-06	1.68E-05	1.33E-05	1.15E-05	5.17E-06	1.86E-07	4.49E-06	3.15E-06	2.73E-06	8.15E-07	1.14E-05
494863.09, 3860377.25	0.08029	0.016263	5.63E-06	1.70E-05	1.34E-05	1.16E-05	5.22E-06	1.88E-07	4.54E-06	3.19E-06	2.76E-06	8.24E-07	1.15E-05
495363.09, 3860377.25	0.07238	0.014661	5.08E-06	1.53E-05	1.21E-05	1.05E-05	4.71E-06	1.69E-07	4.09E-06	2.88E-06	2.49E-06	7.43E-07	1.04E-05
495863.09, 3860377.25	0.05735	0.011616	4.02E-06	1.21E-05	9.59E-06	8.30E-06	3.73E-06	1.34E-07	3.24E-06	2.28E-06	1.97E-06	5.89E-07	8.22E-06
496363.09, 3860377.25	0.05298	0.010731	3.71E-06	1.12E-05	8.86E-06	7.67E-06	3.45E-06	1.24E-07	3.00E-06	2.11E-06	1.82E-06	5.44E-07	7.59E-06
496863.09, 3860377.25	0.0563	0.011404	3.95E-06	1.19E-05	9.42E-06	8.15E-06	3.66E-06	1.32E-07	3.18E-06	2.24E-06	1.94E-06	5.78E-07	8.07E-06
497363.09, 3860377.25	0.05652	0.011448	3.96E-06	1.20E-05	9.45E-06	8.18E-06	3.68E-06	1.32E-07	3.20E-06	2.25E-06	1.94E-06	5.80E-07	8.10E-06
497863.09, 3860377.25	0.07326	0.014839	5.14E-06	1.55E-05	1.23E-05	1.06E-05	4.77E-06	1.72E-07	4.14E-06	2.91E-06	2.52E-06	7.52E-07	1.05E-05
498363.09, 3860377.25	0.09653	0.019552	6.77E-06	2.04E-05	1.61E-05	1.40E-05	6.28E-06	2.26E-07	5.46E-06	3.84E-06	3.32E-06	9.91E-07	1.38E-05
471363.09, 3860877.25	0.00217	0.00044	1.52E-07	4.59E-07	3.63E-07	3.14E-07	1.41E-07	5.08E-09	1.23E-07	8.62E-08	7.46E-08	2.23E-08	3.11E-07
471863.09, 3860877.25	0.00225	0.000456	1.58E-07	4.76E-07	3.76E-07	3.26E-07	1.46E-07	5.27E-09	1.27E-07	8.94E-08	7.74E-08	2.31E-08	3.22E-07
472363.09, 3860877.25	0.00231	0.000468	1.62E-07	4.89E-07	3.86E-07	3.34E-07	1.50E-07	5.41E-09	1.31E-07	9.18E-08	7.94E-08	2.37E-08	3.31E-07
472863.09, 3860877.25	0.00245	0.000496	1.72E-07	5.19E-07	4.10E-07	3.55E-07	1.59E-07	5.74E-09	1.39E-07	9.73E-08	8.42E-08	2.51E-08	3.51E-07
473363.09, 3860877.25	0.00249	0.000504	1.75E-07	5.27E-07	4.16E-07	3.60E-07	1.62E-07	5.83E-09	1.41E-07	9.89E-08	8.56E-08	2.56E-08	3.57E-07
473863.09, 3860877.25	0.0025	0.000506	1.75E-07	5.29E-07	4.18E-07	3.62E-07	1.63E-07	5.85E-09	1.41E-07	9.93E-08	8.60E-08	2.57E-08	3.58E-07
474363.09, 3860877.25	0.00244	0.000494	1.71E-07	5.17E-07	4.08E-07	3.53E-07	1.59E-07	5.71E-09	1.38E-07	9.70E-08	8.39E-08	2.50E-08	3.50E-07
474863.09, 3860877.25	0.00237	0.00048	1.66E-07	5.02E-07	3.96E-07	3.43E-07	1.54E-07	5.55E-09	1.34E-07	9.42E-08	8.15E-08	2.43E-08	3.40E-07
475363.09, 3860877.25	0.00214	0.000433	1.50E-07	4.53E-07	3.58E-07	3.10E-07	1.39E-07	5.01E-09	1.21E-07	8.50E-08	7.36E-08	2.20E-08	3.07E-07
475863.09, 3860877.25	0.0019	0.000385	1.33E-07	4.02E-07	3.18E-07	2.75E-07	1.24E-07	4.45E-09	1.07E-07	7.55E-08	6.53E-08	1.95E-08	2.72E-07
476363.09, 3860877.25	0.00169	0.000342	1.18E-07	3.58E-07	2.83E-07	2.45E-07	1.10E-07	3.96E-09	9.56E-08	6.72E-08	5.81E-08	1.73E-08	2.42E-07
476863.09, 3860877.25	0.00165	0.000334	1.16E-07	3.49E-07	2.76E-07	2.39E-07	1.07E-07	3.86E-09	9.33E-08	6.56E-08	5.67E-08	1.69E-08	2.36E-07
477363.09, 3860877.25	0.00169	0.000342	1.18E-07	3.58E-07	2.83E-07	2.45E-07	1.10E-07	3.96E-09	9.56E-08	6.72E-08	5.81E-08	1.73E-08	2.42E-07
477863.09, 3860877.25	0.00159	0.000322	1.11E-07	3.37E-07	2.66E-07	2.30E-07	1.03E-07	3.72E-09	8.99E-08	6.32E-08	5.47E-08	1.63E-08	2.28E-07
478363.09, 3860877.25	0.0014	0.000284	9.82E-08	2.96E-07	2.34E-07	2.03E-07	9.11E-08	3.28E-09	7.92E-08	5.56E-08	4.81E-08	1.44E-08	2.01E-07
478863.09, 3860877.25	0.00186	0.000377	1.30E-07	3.94E-07	3.11E-07	2.69E-07	1.21E-07	4.36E-09	1.05E-07	7.39E-08	6.39E-08	1.91E-08	2.66E-07
479363.09, 3860877.25	0.00245	0.000496	1.72E-07	5.19E-07	4.10E-07	3.55E-07	1.59E-07	5.74E-09	1.39E-07	9.73E-08	8.42E-08	2.51E-08	3.51E-07
479863.09, 3860877.25	0.0033	0.000668	2.31E-07	6.99E-07	5.52E-07	4.78E-07	2.15E-07	7.73E-09	1.87E-07	1.31E-07	1.13E-07	3.39E-08	4.73E-07
480363.09, 3860877.25	0.00412	0.000835	2.89E-07	8.72E-07	6.89E-07	5.96E-07	2.68E-07	9.65E-09	2.33E-07	1.64E-07	1.42E-07	4.23E-08	5.90E-07
480863.09, 3860877.25	0.00466	0.000944	3.27E-07	9.87E-07	7.79E-07	6.74E-07	3.03E-07	1.09E-08	2.64E-07	1.85E-07	1.60E-07	4.78E-08	6.68E-07
481363.09, 3860877.25	0.00516	0.001045	3.62E-07	1.09E-06	8.63E-07	7.47E-07	3.36E-07	1.21E-08	2.92E-07	2.05E-07	1.77E-07	5.30E-08	7.39E-07
481863.09, 3860877.25	0.00539	0.001092	3.78E-07	1.14E-06	9.01E-07	7.80E-07	3.51E-07	1.26E-08	3.05E-07	2.14E-07	1.85E-07	5.53E-08	7.72E-07
482363.09, 3860877.25	0.00595	0.001205	4.17E-07	1.26E-06	9.95E-07	8.61E-07	3.87E-07	1.39E-08	3.37E-07	2.36E-07	2.05E-07	6.11E-08	8.52E-07
482863.09, 3860877.25	0.00632	0.00128	4.43E-07	1.34E-06	1.06E-06	9.15E-07	4.11E-07	1.48E-08	3.57E-07	2.51E-07	2.17E-07	6.49E-08	9.06E-07
483363.09, 3860877.25	0.00682	0.001381	4.78E-07	1.44E-06	1.14E-06	9.87E-07	4.44E-07	1.60E-08	3.86E-07	2.71E-07	2.34E-07	7.00E-08	9.77E-07
483863.09, 3860877.25	0.00758	0.001535	5.31E-07	1.60E-06	1.27E-06	1.10E-06	4.93E-07	1.77E-08	4.29E-07	3.01E-07	2.61E-07	7.78E-08	1.09E-06
484363.09, 3860877.25	0.00948	0.00192	6.65E-07	2.01E-06	1.59E-06	1.37E-06	6.17E-07	2.22E-08	5.36E-07	3.77E-07	3.26E-07	9.73E-08	1.36E-06
484863.09, 3860877.25	0.01174	0.002378	8.23E-07	2.49E-06	1.96E-06	1.70E-06	7.64E-07	2.75E-08	6.64E-07	4.66E-07	4.04E-07	1.20E-07	1.68E-06
485363.09, 3860877.25	0.01264	0.00256	8.86E-07	2.68E-06	2.11E-06	1.83E-06	8.22E-07	2.96E-08	7.15E-07	5.02E-07	4.35E-07	1.30E-07	1.81E-06
485863.09, 3860877.25	0.01317	0.002668	9.23E-07	2.79E-06	2.20E-06	1.91E-06	8.57E-07	3.08E-08	7.45E-07	5.23E-07	4.53E-07	1.35E-07	1.89E-06
486363.09, 3860877.25	0.01528	0.003095	1.07E-06	3.23E-06	2.56E-06	2.21E-06	9.94E-07	3.58E-08	8.64E-07	6.07E-07	5.25E-07	1.57E-07	2.19E-06
486863.09, 3860877.25	0.01703	0.003449	1.19E-06	3.61E-06	2.85E-06	2.46E-06	1.11E-06	3.99E-08	9.63E-07	6.77E-07	5.86E-07	1.75E-07	2.44E-06
487363.09, 3860877.25	0.01888	0.003824	1.32E-06	4.00E-06	3.16E-06	2.73E-06	1.23E-06	4.42E-08	1.07E-06	7.50E-07	6.49E-07	1.94E-07	2.71E-06
487863.09, 3860877.25	0.0211	0.004274	1.48E-06	4.47E-06	3.53E-06	3.05E-06	1.37E-06	4.94E-08	1.19E-06	8.38E-07	7.25E-07	2.17E-07	3.02E-06
488363.09, 3860877.25	0.02054	0.00416	1.44E-06	4.35E-06	3.43E-06	2.97E-06	1.34E-06	4.81E-08	1.16E-06	8.16E-07	7.06E-07	2.11E-07	2.94E-06
488863.09, 3860877.25	0.02491	0.005046	1.75E-06	5.27E-06	4.17E-06	3.60E-06	1.62E-06	5.83E-08	1.41E-06	9.90E-07	8.56E-07	2.56E-07	3.57E-06
489363.09, 3860877.25	0.02501	0.005066	1.75E-06	5.29E-06	4.18E-06	3.62E-06	1.63E-06	5.86E-08	1.41E-06	9.94E-07	8.60E-07	2.57E-07	3.58E-06
489863.09, 3860877.25	0.03483	0.007055	2.44E-06	7.37E-06	5.82E-06	5.04E-06	2.27E-06	8.16E-08	1.97E-06	1.38E-06	1.20E-06	3.57E-07	4.99E-06
490363.09, 3860877.25	0.04141	0.008388	2.90E-06	8.77E-06	6.93E-06	5.99E-06	2.69E-06	9.70E-08	2.34E-06	1.65E-06	1.42E-06	4.25E-07	5.93E-06

490863.09, 3860877.25	0.05244	0.010622	3.68E-06	1.11E-05	8.77E-06	7.59E-06	3.41E-06	1.23E-07	2.97E-06	2.08E-06	1.80E-06	5.38E-07	7.51E-06
491363.09, 3860877.25	0.07008	0.014195	4.91E-06	1.48E-05	1.17E-05	1.01E-05	4.56E-06	1.64E-07	3.96E-06	2.78E-06	2.41E-06	7.19E-07	1.00E-05
491863.09, 3860877.25	0.09838	0.019927	6.90E-06	2.08E-05	1.65E-05	1.42E-05	6.40E-06	2.30E-07	5.56E-06	3.91E-06	3.38E-06	1.01E-06	1.41E-05
492363.09, 3860877.25	0.33365	0.067582	2.34E-05	7.06E-05	5.58E-05	4.83E-05	2.17E-05	7.81E-07	1.89E-05	1.33E-05	1.15E-05	3.42E-06	4.78E-05
492863.09, 3860877.25	1.47674	0.299119	1.04E-04	3.13E-04	2.47E-04	2.14E-04	9.61E-05	3.46E-06	8.35E-05	5.87E-05	5.08E-05	1.52E-05	2.12E-04
493363.09, 3860877.25	0.5713	0.115719	4.01E-05	1.21E-04	9.55E-05	8.27E-05	3.72E-05	1.34E-06	3.23E-05	2.27E-05	1.96E-05	5.86E-06	8.19E-05
493863.09, 3860877.25	0.48308	0.09785	3.39E-05	1.02E-04	8.08E-05	6.99E-05	3.14E-05	1.13E-06	2.73E-05	1.92E-05	1.66E-05	4.96E-06	6.92E-05
494363.09, 3860877.25	0.41128	0.083306	2.88E-05	8.71E-05	6.88E-05	5.95E-05	2.68E-05	9.63E-07	2.33E-05	1.63E-05	1.41E-05	4.22E-06	5.89E-05
494863.09, 3860877.25	0.31828	0.064469	2.23E-05	6.74E-05	5.32E-05	4.61E-05	2.07E-05	7.45E-07	1.80E-05	1.26E-05	1.09E-05	3.27E-06	4.56E-05
495363.09, 3860877.25	0.2569	0.052036	1.80E-05	5.44E-05	4.30E-05	3.72E-05	1.67E-05	6.02E-07	1.45E-05	1.02E-05	8.83E-06	2.64E-06	3.68E-05
495863.09, 3860877.25	0.24259	0.049137	1.70E-05	5.14E-05	4.06E-05	3.51E-05	1.58E-05	5.68E-07	1.37E-05	9.64E-06	8.34E-06	2.49E-06	3.48E-05
496363.09, 3860877.25	0.19747	0.039998	1.38E-05	4.18E-05	3.30E-05	2.86E-05	1.28E-05	4.62E-07	1.12E-05	7.85E-06	6.79E-06	2.03E-06	2.83E-05
496863.09, 3860877.25	0.14894	0.030168	1.04E-05	3.15E-05	2.49E-05	2.16E-05	9.69E-06	3.49E-07	8.42E-06	5.92E-06	5.12E-06	1.53E-06	2.13E-05
497363.09, 3860877.25	0.15548	0.031493	1.09E-05	3.29E-05	2.60E-05	2.25E-05	1.01E-05	3.64E-07	8.79E-06	6.18E-06	5.35E-06	1.60E-06	2.23E-05
497863.09, 3860877.25	0.14627	0.029628	1.03E-05	3.10E-05	2.45E-05	2.12E-05	9.52E-06	3.42E-07	8.27E-06	5.81E-06	5.03E-06	1.50E-06	2.10E-05
498363.09, 3860877.25	0.16946	0.034325	1.19E-05	3.59E-05	2.83E-05	2.45E-05	1.10E-05	3.97E-07	9.58E-06	6.73E-06	5.83E-06	1.74E-06	2.43E-05
471363.09, 3861377.25	0.00219	0.000444	1.54E-07	4.64E-07	3.66E-07	3.17E-07	1.42E-07	5.13E-09	1.24E-07	8.70E-08	7.53E-08	2.25E-08	3.14E-07
471863.09, 3861377.25	0.00227	0.00046	1.59E-07	4.81E-07	3.80E-07	3.28E-07	1.48E-07	5.31E-09	1.28E-07	9.02E-08	7.80E-08	2.33E-08	3.25E-07
472363.09, 3861377.25	0.00236	0.000478	1.65E-07	5.00E-07	3.95E-07	3.41E-07	1.54E-07	5.53E-09	1.33E-07	9.38E-08	8.11E-08	2.42E-08	3.38E-07
472863.09, 3861377.25	0.00251	0.000508	1.76E-07	5.31E-07	4.20E-07	3.63E-07	1.63E-07	5.88E-09	1.42E-07	9.97E-08	8.63E-08	2.58E-08	3.60E-07
473363.09, 3861377.25	0.00258	0.000523	1.81E-07	5.46E-07	4.31E-07	3.73E-07	1.68E-07	6.04E-09	1.46E-07	1.03E-07	8.87E-08	2.65E-08	3.70E-07
473863.09, 3861377.25	0.00254	0.000514	1.78E-07	5.38E-07	4.25E-07	3.68E-07	1.65E-07	5.95E-09	1.44E-07	1.01E-07	8.73E-08	2.61E-08	3.64E-07
474363.09, 3861377.25	0.00269	0.000545	1.89E-07	5.70E-07	4.50E-07	3.89E-07	1.75E-07	6.30E-09	1.52E-07	1.07E-07	9.25E-08	2.76E-08	3.85E-07
474863.09, 3861377.25	0.00259	0.000525	1.82E-07	5.48E-07	4.33E-07	3.75E-07	1.69E-07	6.06E-09	1.46E-07	1.03E-07	8.90E-08	2.66E-08	3.71E-07
475363.09, 3861377.25	0.00274	0.000555	1.92E-07	5.80E-07	4.58E-07	3.96E-07	1.78E-07	6.42E-09	1.55E-07	1.09E-07	9.42E-08	2.81E-08	3.93E-07
475863.09, 3861377.25	0.00249	0.000504	1.75E-07	5.27E-07	4.16E-07	3.60E-07	1.62E-07	5.83E-09	1.41E-07	9.89E-08	8.56E-08	2.56E-08	3.57E-07
476363.09, 3861377.25	0.00226	0.000458	1.58E-07	4.78E-07	3.78E-07	3.27E-07	1.47E-07	5.29E-09	1.28E-07	8.98E-08	7.77E-08	2.32E-08	3.24E-07
476863.09, 3861377.25	0.00214	0.000433	1.50E-07	4.53E-07	3.58E-07	3.10E-07	1.39E-07	5.01E-09	1.21E-07	8.50E-08	7.36E-08	2.20E-08	3.07E-07
477363.09, 3861377.25	0.00209	0.000423	1.47E-07	4.42E-07	3.50E-07	3.02E-07	1.36E-07	4.89E-09	1.18E-07	8.30E-08	7.19E-08	2.14E-08	2.99E-07
477863.09, 3861377.25	0.00177	0.000359	1.24E-07	3.75E-07	2.96E-07	2.56E-07	1.15E-07	4.14E-09	1.00E-07	7.03E-08	6.09E-08	1.82E-08	2.54E-07
478363.09, 3861377.25	0.00146	0.000296	1.02E-07	3.09E-07	2.44E-07	2.11E-07	9.50E-08	3.42E-09	8.26E-08	5.80E-08	5.02E-08	1.50E-08	2.09E-07
478863.09, 3861377.25	0.0016	0.000324	1.12E-07	3.39E-07	2.68E-07	2.32E-07	1.04E-07	3.75E-09	9.05E-08	6.36E-08	5.50E-08	1.64E-08	2.29E-07
479363.09, 3861377.25	0.00233	0.000472	1.63E-07	4.93E-07	3.90E-07	3.37E-07	1.52E-07	5.46E-09	1.32E-07	9.26E-08	8.01E-08	2.39E-08	3.34E-07
479863.09, 3861377.25	0.00333	0.000675	2.33E-07	7.05E-07	5.57E-07	4.82E-07	2.17E-07	7.80E-09	1.88E-07	1.32E-07	1.14E-07	3.42E-08	4.77E-07
480363.09, 3861377.25	0.00453	0.000918	3.18E-07	9.59E-07	7.58E-07	6.55E-07	2.95E-07	1.06E-08	2.56E-07	1.80E-07	1.56E-07	4.65E-08	6.49E-07
480863.09, 3861377.25	0.00532	0.001078	3.73E-07	1.13E-06	8.90E-07	7.70E-07	3.46E-07	1.25E-08	3.01E-07	2.11E-07	1.83E-07	5.46E-08	7.62E-07
481363.09, 3861377.25	0.00588	0.001191	4.12E-07	1.24E-06	9.83E-07	8.51E-07	3.83E-07	1.38E-08	3.33E-07	2.34E-07	2.02E-07	6.03E-08	8.42E-07
481863.09, 3861377.25	0.00618	0.001252	4.33E-07	1.31E-06	1.03E-06	8.94E-07	4.02E-07	1.45E-08	3.50E-07	2.46E-07	2.12E-07	6.34E-08	8.85E-07
482363.09, 3861377.25	0.00671	0.001359	4.70E-07	1.42E-06	1.12E-06	9.71E-07	4.37E-07	1.57E-08	3.79E-07	2.67E-07	2.31E-07	6.89E-08	9.61E-07
482863.09, 3861377.25	0.00727	0.001473	5.10E-07	1.54E-06	1.22E-06	1.05E-06	4.73E-07	1.70E-08	4.11E-07	2.89E-07	2.50E-07	7.46E-08	1.04E-06
483363.09, 3861377.25	0.00785	0.00159	5.50E-07	1.66E-06	1.31E-06	1.14E-06	5.11E-07	1.84E-08	4.44E-07	3.12E-07	2.70E-07	8.06E-08	1.12E-06
483863.09, 3861377.25	0.00881	0.001784	6.18E-07	1.87E-06	1.47E-06	1.27E-06	5.73E-07	2.06E-08	4.98E-07	3.50E-07	3.03E-07	9.04E-08	1.26E-06
484363.09, 3861377.25	0.00915	0.001853	6.42E-07	1.94E-06	1.53E-06	1.32E-06	5.95E-07	2.14E-08	5.17E-07	3.64E-07	3.15E-07	9.39E-08	1.31E-06
484863.09, 3861377.25	0.01185	0.0024	8.31E-07	2.51E-06	1.98E-06	1.71E-06	7.71E-07	2.77E-08	6.70E-07	4.71E-07	4.07E-07	1.22E-07	1.70E-06
485363.09, 3861377.25	0.01398	0.002832	9.80E-07	2.96E-06	2.34E-06	2.02E-06	9.10E-07	3.27E-08	7.91E-07	5.55E-07	4.81E-07	1.43E-07	2.00E-06
485863.09, 3861377.25	0.01498	0.003034	1.05E-06	3.17E-06	2.51E-06	2.17E-06	9.75E-07	3.51E-08	8.47E-07	5.95E-07	5.15E-07	1.54E-07	2.15E-06
486363.09, 3861377.25	0.01652	0.003346	1.16E-06	3.50E-06	2.76E-06	2.39E-06	1.07E-06	3.87E-08	9.34E-07	6.56E-07	5.68E-07	1.70E-07	2.37E-06
486863.09, 3861377.25	0.01821	0.003689	1.28E-06	3.86E-06	3.05E-06	2.64E-06	1.18E-06	4.26E-08	1.03E-06	7.24E-07	6.26E-07	1.87E-07	2.61E-06
487363.09, 3861377.25	0.02036	0.004124	1.43E-06	4.31E-06	3.40E-06	2.95E-06	1.32E-06	4.77E-08	1.15E-06	8.09E-07	7.00E-07	2.09E-07	2.92E-06
487863.09, 3861377.25	0.02273	0.004604	1.59E-06	4.81E-06	3.80E-06	3.29E-06	1.48E-06	5.32E-08	1.29E-06	9.03E-07	7.81E-07	2.33E-07	3.26E-06
488363.09, 3861377.25	0.02619	0.005305	1.84E-06	5.54E-06	4.38E-06	3.79E-06	1.70E-06	6.13E-08	1.48E-06	1.04E-06	9.00E-07	2.69E-07	3.75E-06
488863.09, 3861377.25	0.029	0.005874	2.03E-06	6.14E-06	4.85E-06	4.20E-06	1.89E-06	6.79E-08	1.64E-06	1.15E-06	9.97E-07	2.98E-07	4.16E-06
489363.09, 3861377.25	0.03408	0.006903	2.39E-06	7.22E-06	5.70E-06	4.93E-06	2.22E-06	7.98E-08	1.93E-06	1.35E-06	1.17E-06	3.50E-07	4.88E-06
489863.09, 3861377.25	0.03954	0.008009	2.77E-06	8.37E-06	6.61E-06	5.72E-06	2.57E-06	9.26E-08	2.24E-06	1.57E-06	1.36E-06	4.06E-07	5.67E-06
490363.09, 3861377.25	0.04863	0.00985	3.41E-06	1.03E-05	8.13E-06	7.04E-06	3.16E-06	1.14E-07	2.75E-06	1.93E-06	1.67E-06	4.99E-07	6.97E-06
490863.09, 3861377.25	0.06059	0.012273	4.25E-06	1.28E-05	1.01E-05	8.77E-06	3.94E-06	1.42E-07	3.43E-06	2.41E-06	2.08E-06	6.22E-07	8.68E-06
491363.09, 3861377.25	0.07896	0.015994	5.54E-06	1.67E-05	1.32E-05	1.14E-05	5.14E-06	1.85E-07	4.47E-06	3.14E-06	2.71E-06	8.10E-07	1.13E-05
491863.09, 3861377.25	0.10923	0.022125	7.66E-06	2.31E-05	1.83E-05	1.58E-05	7.11E-06	2.56E-07	6.18E-06	4.34E-06	3.76E-06	1.12E-06	1.57E-05
492363.09, 3861377.25	0.18497	0.037466	1.30E-05	3.92E-05	3.09E-05	2.68E-05	1.20E-05	4.33E-07	1.05E-05	7.35E-06	6.36E-06	1.90E-06	2.65E-05
492863.09, 3861377.25	0.30768	0.062322	2.16E-05	6.51E-05	5.15E-05	4.45E-05	2.00E-05	7.20E-07	1.74E-05	1.22E-05	1.06E-05	3.16E-06	4.41E-05
493363.09, 3861377.25	0.5424	0.109865	3.80E-05	1.15E-04	9.07E-05	7.85E-05	3.53E-05	1.27E-06	3.07E-05	2.16E-05	1.86E-05	5.57E-06	7.77E-05
493863.09, 3861377.25	1.10513	0.223848	7.75E-05	2.34E-04	1.85E-04	1.60E-04	7.19E-05	2.59E-06	6.25E-05	4.39E-05	3.80E-05	1.13E-05	1.58E-04
494363.09, 3861377.25	4.19193	0.849091	2.94E-04	8.87E-04	7.01E-04	6.07E-04	2.73E-04	9.81E-06	2.37E-04	1.67E-04	1.44E-04	4.30E-05	6.01E-04
494863.09, 3861377.25	2.18158	0.441887	1.53E-04	4.62E-04	3.65E-04	3.16E-04	1.42E-04	5.11E-06	1.23E-04	8.67E-05	7.50E-05	2.24E-05	3.13E-04
495363.09, 3861377.25	1.72418	0.349239	1.21E-04	3.65E-04	2.88E-04	2.49E-04	1.12E-04	4.04E-06	9.75E-05	6.85E-05	5.93E-05	1.77E-05	2.47E-04
495863.09, 3861377.25	1.75944	0.356381	1.23E-04	3.72E-04	2.94E-04	2.55E-04	1.14E-04	4.12E-06	9.95E-05	6.99E-05	6.05E-05	1.81E-05	2.52E-04
496363.09, 3861377.25	1.34722	0.272884	9.45E-05	2.85E-04	2.25E-04	1.95E-04	8.77E-05	3.15E-06	7.62E-05	5.35E-05	4.63E-05	1.38E-05	1.93E-04
496863.09, 3861377.25	0.70641	0.143086	4.95E-05	1.50E-04	1.18E-04	1.02E-04	4.60E-05	1.65E-06	4.00E-05	2.81E-05	2.43E-05	7.25E-06	1.01E-04
497363.09, 3861377.25	0.58674	0.118846	4.11E-05	1.24E-04	9.81E-05	8.49E-05	3.82E-05	1.37E-06	3.32E-05	2.33E-05	2.02E-05	6.02E-06	8.41E-05
497863.09, 3861377.25	0.4547	0.092101	3.19E-05	9.63E-05	7.60E-05	6.58E-05	2.96E-05	1.06E-06	2.57E-05	1.81E-05	1.56E-05	4.67E-06	6.51E-05
498363.09, 3861377.25	0.37619	0.076199	2.64E-05	7.96E-05	6.29E-05	5.44E-05	2.45E-05	8.81E-07	2.13E-05	1.49E-05	1.29E-05	3.86E-06	5.39E-05
471363.09, 3861877.25	0.00201	0.000407	1.41E-07	4.26E-07	3.36E-07	2.91E-07	1.31E-07	4.71E-09	1.14E-07	7.99E-08	6.91E-08	2.06E-08	2.88E-07
471863.09, 3861877.25	0.00208	0.000421	1.46E-07	4.40E-07	3.48E-07	3.01E-07	1.35E-07	4.87E-09	1.18E-07	8.26E-08	7.15E-08	2.13E-08	2.98E-07
472363.09, 3861877.25	0.00216	0.000438	1.51E-07	4.57E-07	3.61E-07	3.13E-07	1.41E-07	5.06E-09	1.22E-07	8.58E-08	7.43E-08	2.22E-08	3.09E-07
472863.09, 3861877.25	0.00227	0.00046	1.59E-07	4.81E-07	3.80E-07	3.28E-07	1.48E-07	5.31E-09	1.28E-07	9.02E-08	7.80E-08	2.33E-08	3.25E-07
473363.09, 3861877.25	0.00236	0.000478	1.65E-07	5.00E-07	3.95E-07	3.41E-07	1.54E-07	5.53E-09	1.33E-07	9.38E-08	8.11E-08	2.42E-08	3.38E-07
473863.09, 3861877.25	0.00237	0.00048	1.66E-07	5.02E-07	3.96E-07	3.43E-07	1.54E-07	5.55E-09	1.34E-07	9.42E-08	8.15E-08	2.43E-08	3.40E-07
474363.09, 3861877.25	0.00246	0.000498	1.72E-07	5.21E-07	4.11E-07	3.56E-07	1.60E-07	5.76E-09	1.39E-07	9.77E-08	8.46E-08	2.52E-08	3.52E-07
474863.09, 3861877.25	0.00249	0.000504	1.75E-07	5.27E-07	4.16E-07	3.60E-07	1.62E-07	5.83E-09	1.41E-07	9.89E-08	8.56E-08	2.56E-08	3.57E-07
475363.09, 3861877.25	0.00258	0.000523	1.81E-07	5.46E-07	4.31E-07	3.73E-07	1.68E-07	6.04E-09	1.46E-07	1.03E-07	8.87E-08	2.65E-08	3.70E-07
475863.09, 3861877.25	0.00274	0.000555	1.92E-07	5.80E-07	4.58E-07	3.96E-07	1.78E-07	6.42E-09	1.55E-07	1.09E-07	9.42E-08	2.81E-08	3.93E-07
476363.09, 3861877.25	0.00271	0.000549	1.90E-07	5.74E-07	4.53E-07	3.92E-07	1.76E-07	6.35E-09	1.53E-07	1.08E-07	9.32E-08	2.78E-08	3.88E-07
476863.09, 3861877.25	0.00248	0.000502	1.74E-07	5.25E-07	4.15E-07	3.59E-07	1.61E-07	5.81E-09	1.40E-07	9.85E-08	8.53E-08	2.55E-08	3.55E-07
477363.09, 3861877.25	0.00227	0.00046	1.59E-07	4.81E-07	3.80E-07	3.28E-07	1.48E-07	5.31E-09	1.28E-07	9.02E-08	7.80E-08	2.33E-08	3.25E-07
477863.09, 3861877.25	0.00165	0.000334	1.16E-07	3.49E-07	2.76E-07	2.39E-07	1.07E-07	3.86E-09	9.33E-08	6.56E-08	5.67E-08	1.69E-08	2.36E-07
478363.09, 3861877.25	0.0013	0.000263	9.12E-08	2.75E-07	2.17E-07	1.88E-07	8.46E-08	3.04E-09	7.35E-08	5.17E-08	4.47E-08	1.33E-08	1.86E-07
478863.09, 3861877.25	0.00159	0.000322	1.11E-07	3.37E-07	2.66E-07	2.30E-07	1.03E-07	3.72E-09	8.99E-08	6.32E-08	5.47E-08	1.63E-08	2.28E-07
479363.09, 3861877.25	0.00154	0.000312	1.08E-07	3.26E-07	2.58E-07	2.23E-07	1.00E-07	3.61E-09	8.71E-08	6.12E-08	5.29E-08	1.58E-08	2.21E-07
479863.09, 3861877.25	0.00284	0.000575	1.99E-07	6.01E-07	4.75E-07	4.11E-07	1.85E-07	6.65E-09	1.61E-07	1.13E-07	9.76E-08	2.91E-08	4.07E-07
480363.09, 3861877.25	0.00446	0.000903	3.13E-07	9.44E-07	7.46E-07	6.45E-07	2.90E-07	1.04E-08	2.52E-07	1.77E-07	1.53E-07	4.58E-08	6.39E-07
480863.09, 3861877.25	0.00521	0.001055	3.65E-07	1.10E-06	8.71E-07	7.54E-07	3.39E-07	1.22E-08	2.95E-07	2.07E-07	1.79E-07	5.35E-08	7.46E-07
481363.09, 3861877.25	0.00582	0.001179	4.08E-07	1.23E-06	9.73E-07	8.42E-07	3.79E-07	1.36E-08	3.29E-07	2.31E-07	2.00E-07	5.97E-08	8.34E-07
481863.09, 3861877.25	0.00625	0.001266	4.38E-07	1.32E-06	1.05E-06	9.04E-07	4.07E-07	1.46E-08	3.53E-07	2.48E-07	2.15E-07	6.41E-08	8.95E-07
482363.09, 3861877.25	0.00676	0.001369	4.74E-07	1.43E-06	1.13E-06	9.78E-07	4.40E-07	1.58E-08	3.82E-07	2.69E-07	2.32E-07	6.94E-08	9.69E-07
482863.09, 3861877.25	0.00712	0.001442	4.99E-07	1.51E-06	1.19E-06	1.03E-06	4.63E-07	1.67E-08	4.03E-07	2.83E-07	2.45E-07	7.31E-08	1.02E-06
483363.09, 3861877.25	0.00784	0.001588	5.50E-07	1.66E-06	1.31E-06	1.13E-06	5.10E-07	1.84E-08	4.43E-07	3.12E-07	2.70E-07	8.05E-08	1.12E-06
483863.09, 3861877.25	0.00871	0.001764	6.11E-07	1.84E-06	1.46E-06	1.26E-06	5.67E-07	2.04E-08	4.93E-07	3.46E-07	2.99E-07	8.94E-08	1.25E-06
484363.09, 3861877.25	0.01024	0.002074	7.18E-07	2.17E-06	1.71E-06	1.48E-06	6.66E-07	2.40E-08	5.79E-07	4.07E-07	3.52E-07	1.05E-07	1.47E-06
484863.09, 3861877.25	0.01093	0.002214	7.66E-07	2.31E-06	1.83E-06	1.58E-06	7.11E-07	2.56E-08	6.18E-07	4.34E-07	3.76E-07	1.12E-07	1.57E-06

485363.09, 3861877.25	0.0132	0.002674	9.26E-07	2.79E-06	2.21E-06	1.91E-06	8.59E-07	3.09E-08	7.47E-07	5.24E-07	4.54E-07	1.35E-07	1.89E-06
485863.09, 3861877.25	0.01568	0.003176	1.10E-06	3.32E-06	2.62E-06	2.27E-06	1.02E-06	3.67E-08	8.87E-07	6.23E-07	5.39E-07	1.61E-07	2.25E-06
486363.09, 3861877.25	0.01722	0.003488	1.21E-06	3.65E-06	2.88E-06	2.49E-06	1.12E-06	4.03E-08	9.74E-07	6.84E-07	5.92E-07	1.77E-07	2.47E-06
486863.09, 3861877.25	0.01909	0.003867	1.34E-06	4.04E-06	3.19E-06	2.76E-06	1.24E-06	4.47E-08	1.08E-06	7.59E-07	6.56E-07	1.96E-07	2.74E-06
487363.09, 3861877.25	0.02131	0.004316	1.49E-06	4.51E-06	3.56E-06	3.08E-06	1.39E-06	4.99E-08	1.21E-06	8.47E-07	7.33E-07	2.19E-07	3.05E-06
487863.09, 3861877.25	0.02431	0.004924	1.70E-06	5.15E-06	4.07E-06	3.52E-06	1.58E-06	5.69E-08	1.37E-06	9.66E-07	8.36E-07	2.49E-07	3.48E-06
488363.09, 3861877.25	0.02802	0.005676	1.96E-06	5.93E-06	4.69E-06	4.05E-06	1.82E-06	6.56E-08	1.58E-06	1.11E-06	9.63E-07	2.88E-07	4.01E-06
488863.09, 3861877.25	0.03204	0.00649	2.25E-06	6.78E-06	5.36E-06	4.64E-06	2.08E-06	7.50E-08	1.81E-06	1.27E-06	1.10E-06	3.29E-07	4.59E-06
489363.09, 3861877.25	0.03786	0.007669	2.65E-06	8.02E-06	6.33E-06	5.48E-06	2.46E-06	8.86E-08	2.14E-06	1.50E-06	1.30E-06	3.89E-07	5.42E-06
489863.09, 3861877.25	0.04428	0.008969	3.10E-06	9.37E-06	7.41E-06	6.41E-06	2.88E-06	1.04E-07	2.50E-06	1.76E-06	1.52E-06	4.54E-07	6.34E-06
490363.09, 3861877.25	0.05593	0.011329	3.92E-06	1.18E-05	9.35E-06	8.09E-06	3.64E-06	1.31E-07	3.16E-06	2.22E-06	1.92E-06	5.74E-07	8.01E-06
490863.09, 3861877.25	0.0675	0.013672	4.73E-06	1.43E-05	1.13E-05	9.77E-06	4.39E-06	1.58E-07	3.82E-06	2.68E-06	2.32E-06	6.93E-07	9.67E-06
491363.09, 3861877.25	0.08354	0.016921	5.86E-06	1.77E-05	1.40E-05	1.21E-05	5.44E-06	1.96E-07	4.72E-06	3.32E-06	2.87E-06	8.57E-07	1.20E-05
491863.09, 3861877.25	0.10958	0.022196	7.68E-06	2.32E-05	1.83E-05	1.59E-05	7.13E-06	2.57E-07	6.20E-06	4.35E-06	3.77E-06	1.12E-06	1.57E-05
492363.09, 3861877.25	0.1523	0.030849	1.07E-05	3.22E-05	2.55E-05	2.20E-05	9.91E-06	3.57E-07	8.61E-06	6.05E-06	5.24E-06	1.56E-06	2.18E-05
492863.09, 3861877.25	0.20811	0.042153	1.46E-05	4.41E-05	3.48E-05	3.01E-05	1.35E-05	4.87E-07	1.18E-05	8.27E-06	7.16E-06	2.14E-06	2.98E-05
493363.09, 3861877.25	0.28812	0.05836	2.02E-05	6.10E-05	4.82E-05	4.17E-05	1.87E-05	6.75E-07	1.63E-05	1.14E-05	9.91E-06	2.96E-06	4.13E-05
493863.09, 3861877.25	0.42486	0.086057	2.98E-05	8.99E-05	7.11E-05	6.15E-05	2.76E-05	9.95E-07	2.40E-05	1.69E-05	1.46E-05	4.36E-06	6.09E-05
494363.09, 3861877.25	0.76464	0.154881	5.36E-05	1.62E-04	1.28E-04	1.11E-04	4.98E-05	1.79E-06	4.32E-05	3.04E-05	2.63E-05	7.85E-06	1.10E-04
494863.09, 3861877.25	1.76754	0.358022	1.24E-04	3.74E-04	2.96E-04	2.56E-04	1.15E-04	4.14E-06	1.00E-04	7.02E-05	6.08E-05	1.81E-05	2.53E-04
495363.09, 3861877.25	6.42675	1.301761	4.51E-04	1.36E-03	1.07E-03	9.30E-04	4.18E-04	1.50E-05	3.63E-04	2.55E-04	2.21E-04	6.60E-05	9.21E-04
495863.09, 3861877.25	9.53674	1.931701	6.69E-04	2.02E-03	1.59E-03	1.38E-03	6.21E-04	2.23E-05	5.39E-04	3.79E-04	3.28E-04	9.79E-05	1.37E-03
496363.09, 3861877.25	5.6593	1.146312	3.97E-04	1.20E-03	9.46E-04	8.19E-04	3.68E-04	1.33E-05	3.20E-04	2.25E-04	1.95E-04	5.81E-05	8.11E-04
496863.09, 3861877.25	1.24007	0.251181	8.69E-05	2.63E-04	2.07E-04	1.79E-04	8.07E-05	2.90E-06	7.01E-05	4.93E-05	4.26E-05	1.27E-05	1.78E-04
497363.09, 3861877.25	1.71288	0.34695	1.20E-04	3.63E-04	2.86E-04	2.48E-04	1.11E-04	4.01E-06	9.69E-05	6.81E-05	5.89E-05	1.76E-05	2.45E-04
497863.09, 3861877.25	1.42348	0.288331	9.98E-05	3.01E-04	2.38E-04	2.06E-04	9.26E-05	3.33E-06	8.05E-05	5.66E-05	4.89E-05	1.46E-05	2.04E-04
498363.09, 3861877.25	1.14476	0.231875	8.03E-05	2.42E-04	1.91E-04	1.66E-04	7.45E-05	2.68E-06	6.47E-05	4.55E-05	3.94E-05	1.17E-05	1.64E-04
471363.09, 3862377.25	0.0023	0.000466	1.61E-07	4.87E-07	3.85E-07	3.33E-07	1.50E-07	5.39E-09	1.30E-07	9.14E-08	7.91E-08	2.36E-08	3.30E-07
471863.09, 3862377.25	0.00236	0.000478	1.65E-07	5.00E-07	3.95E-07	3.41E-07	1.54E-07	5.53E-09	1.33E-07	9.38E-08	8.11E-08	2.42E-08	3.38E-07
472363.09, 3862377.25	0.00251	0.000508	1.76E-07	5.31E-07	4.20E-07	3.63E-07	1.63E-07	5.88E-09	1.42E-07	9.97E-08	8.63E-08	2.58E-08	3.60E-07
472863.09, 3862377.25	0.00262	0.000531	1.84E-07	5.55E-07	4.38E-07	3.79E-07	1.70E-07	6.13E-09	1.48E-07	1.04E-07	9.01E-08	2.69E-08	3.75E-07
473363.09, 3862377.25	0.00272	0.000551	1.91E-07	5.76E-07	4.55E-07	3.94E-07	1.77E-07	6.37E-09	1.54E-07	1.08E-07	9.35E-08	2.79E-08	3.90E-07
473863.09, 3862377.25	0.00283	0.000573	1.98E-07	5.99E-07	4.73E-07	4.10E-07	1.84E-07	6.63E-09	1.60E-07	1.12E-07	9.73E-08	2.90E-08	4.05E-07
474363.09, 3862377.25	0.00286	0.000579	2.01E-07	6.05E-07	4.78E-07	4.14E-07	1.86E-07	6.70E-09	1.62E-07	1.14E-07	9.83E-08	2.94E-08	4.10E-07
474863.09, 3862377.25	0.00278	0.000563	1.95E-07	5.89E-07	4.65E-07	4.02E-07	1.81E-07	6.51E-09	1.57E-07	1.10E-07	9.56E-08	2.85E-08	3.98E-07
475363.09, 3862377.25	0.00307	0.000622	2.15E-07	6.50E-07	5.13E-07	4.44E-07	2.00E-07	7.19E-09	1.74E-07	1.22E-07	1.06E-07	3.15E-08	4.40E-07
475863.09, 3862377.25	0.00329	0.000666	2.31E-07	6.97E-07	5.50E-07	4.76E-07	2.14E-07	7.70E-09	1.86E-07	1.31E-07	1.13E-07	3.38E-08	4.71E-07
476363.09, 3862377.25	0.00332	0.000672	2.33E-07	7.03E-07	5.55E-07	4.80E-07	2.16E-07	7.77E-09	1.88E-07	1.32E-07	1.14E-07	3.41E-08	4.76E-07
476863.09, 3862377.25	0.00321	0.00065	2.25E-07	6.80E-07	5.37E-07	4.64E-07	2.09E-07	7.52E-09	1.82E-07	1.28E-07	1.10E-07	3.29E-08	4.60E-07
477363.09, 3862377.25	0.00286	0.000579	2.01E-07	6.05E-07	4.78E-07	4.14E-07	1.86E-07	6.70E-09	1.62E-07	1.14E-07	9.83E-08	2.94E-08	4.10E-07
477863.09, 3862377.25	0.00196	0.000397	1.37E-07	4.15E-07	3.28E-07	2.84E-07	1.28E-07	4.59E-09	1.11E-07	7.79E-08	6.74E-08	2.01E-08	2.81E-07
478363.09, 3862377.25	0.00165	0.000334	1.16E-07	3.49E-07	2.76E-07	2.39E-07	1.07E-07	3.86E-09	9.33E-08	6.56E-08	5.67E-08	1.69E-08	2.36E-07
478863.09, 3862377.25	0.00179	0.000363	1.26E-07	3.79E-07	2.99E-07	2.59E-07	1.16E-07	4.19E-09	1.01E-07	7.11E-08	6.15E-08	1.84E-08	2.56E-07
479363.09, 3862377.25	0.00201	0.000407	1.41E-07	4.26E-07	3.36E-07	2.91E-07	1.31E-07	4.71E-09	1.14E-07	7.99E-08	6.91E-08	2.06E-08	2.88E-07
479863.09, 3862377.25	0.00349	0.000707	2.45E-07	7.39E-07	5.84E-07	5.05E-07	2.27E-07	8.17E-09	1.97E-07	1.39E-07	1.20E-07	3.58E-08	5.00E-07
480363.09, 3862377.25	0.00519	0.001051	3.64E-07	1.10E-06	8.68E-07	7.51E-07	3.38E-07	1.22E-08	2.94E-07	2.06E-07	1.78E-07	5.33E-08	7.44E-07
480863.09, 3862377.25	0.00604	0.001223	4.24E-07	1.28E-06	1.01E-06	8.74E-07	3.93E-07	1.41E-08	3.42E-07	2.40E-07	2.08E-07	6.20E-08	8.65E-07
481363.09, 3862377.25	0.00653	0.001323	4.58E-07	1.38E-06	1.09E-06	9.45E-07	4.25E-07	1.53E-08	3.69E-07	2.59E-07	2.25E-07	6.70E-08	9.36E-07
481863.09, 3862377.25	0.00723	0.001464	5.07E-07	1.53E-06	1.21E-06	1.05E-06	4.70E-07	1.69E-08	4.09E-07	2.87E-07	2.49E-07	7.42E-08	1.04E-06
482363.09, 3862377.25	0.00773	0.001566	5.42E-07	1.64E-06	1.29E-06	1.12E-06	5.03E-07	1.81E-08	4.37E-07	3.07E-07	2.66E-07	7.93E-08	1.11E-06
482863.09, 3862377.25	0.00821	0.001663	5.76E-07	1.74E-06	1.37E-06	1.19E-06	5.34E-07	1.92E-08	4.64E-07	3.26E-07	2.82E-07	8.43E-08	1.18E-06
483363.09, 3862377.25	0.00874	0.00177	6.13E-07	1.85E-06	1.46E-06	1.26E-06	5.69E-07	2.05E-08	4.94E-07	3.47E-07	3.00E-07	8.97E-08	1.25E-06
483863.09, 3862377.25	0.01053	0.002133	7.38E-07	2.23E-06	1.76E-06	1.52E-06	6.85E-07	2.47E-08	5.96E-07	4.18E-07	3.62E-07	1.08E-07	1.51E-06
484363.09, 3862377.25	0.01104	0.002236	7.74E-07	2.34E-06	1.85E-06	1.60E-06	7.18E-07	2.58E-08	6.24E-07	4.39E-07	3.80E-07	1.13E-07	1.58E-06
484863.09, 3862377.25	0.01361	0.002757	9.54E-07	2.88E-06	2.28E-06	1.97E-06	8.86E-07	3.19E-08	7.70E-07	5.41E-07	4.68E-07	1.40E-07	1.95E-06
485363.09, 3862377.25	0.01607	0.003255	1.13E-06	3.40E-06	2.69E-06	2.33E-06	1.05E-06	3.76E-08	9.09E-07	6.39E-07	5.53E-07	1.65E-07	2.30E-06
485863.09, 3862377.25	0.01778	0.003601	1.25E-06	3.76E-06	2.97E-06	2.57E-06	1.16E-06	4.16E-08	1.01E-06	7.06E-07	6.11E-07	1.82E-07	2.55E-06
486363.09, 3862377.25	0.02019	0.00409	1.42E-06	4.27E-06	3.38E-06	2.92E-06	1.31E-06	4.73E-08	1.14E-06	8.02E-07	6.94E-07	2.07E-07	2.89E-06
486863.09, 3862377.25	0.02241	0.004539	1.57E-06	4.74E-06	3.75E-06	3.24E-06	1.46E-06	5.25E-08	1.27E-06	8.90E-07	7.70E-07	2.30E-07	3.21E-06
487363.09, 3862377.25	0.0249	0.005044	1.75E-06	5.27E-06	4.16E-06	3.60E-06	1.62E-06	5.83E-08	1.41E-06	9.89E-07	8.56E-07	2.56E-07	3.57E-06
487863.09, 3862377.25	0.02792	0.005655	1.96E-06	5.91E-06	4.67E-06	4.04E-06	1.82E-06	6.54E-08	1.58E-06	1.11E-06	9.60E-07	2.87E-07	4.00E-06
488363.09, 3862377.25	0.03185	0.006451	2.23E-06	6.74E-06	5.33E-06	4.61E-06	2.07E-06	7.46E-08	1.80E-06	1.27E-06	1.10E-06	3.27E-07	4.56E-06
488863.09, 3862377.25	0.03598	0.007288	2.52E-06	7.62E-06	6.02E-06	5.21E-06	2.34E-06	8.42E-08	2.03E-06	1.43E-06	1.24E-06	3.69E-07	5.16E-06
489363.09, 3862377.25	0.04128	0.008361	2.89E-06	8.74E-06	6.90E-06	5.97E-06	2.69E-06	9.67E-08	2.33E-06	1.64E-06	1.42E-06	4.24E-07	5.91E-06
489863.09, 3862377.25	0.04789	0.0097	3.36E-06	1.01E-05	8.01E-06	6.93E-06	3.12E-06	1.12E-07	2.71E-06	1.90E-06	1.65E-06	4.92E-07	6.86E-06
490363.09, 3862377.25	0.05575	0.011292	3.91E-06	1.18E-05	9.32E-06	8.07E-06	3.63E-06	1.31E-07	3.15E-06	2.22E-06	1.92E-06	5.72E-07	7.99E-06
490863.09, 3862377.25	0.06761	0.013695	4.74E-06	1.43E-05	1.13E-05	9.78E-06	4.40E-06	1.58E-07	3.82E-06	2.69E-06	2.32E-06	6.94E-07	9.69E-06
491363.09, 3862377.25	0.08358	0.016929	5.86E-06	1.77E-05	1.40E-05	1.21E-05	5.44E-06	1.96E-07	4.73E-06	3.32E-06	2.87E-06	8.58E-07	1.20E-05
491863.09, 3862377.25	0.10808	0.021892	7.58E-06	2.29E-05	1.81E-05	1.56E-05	7.03E-06	2.53E-07	6.11E-06	4.29E-06	3.72E-06	1.11E-06	1.55E-05
492363.09, 3862377.25	0.13699	0.027748	9.61E-06	2.90E-05	2.29E-05	1.98E-05	8.91E-06	3.21E-07	7.75E-06	5.44E-06	4.71E-06	1.41E-06	1.96E-05
492863.09, 3862377.25	0.1728	0.035001	1.21E-05	3.66E-05	2.89E-05	2.50E-05	1.12E-05	4.05E-07	9.77E-06	6.87E-06	5.94E-06	1.77E-06	2.48E-05
493363.09, 3862377.25	0.22069	0.044702	1.55E-05	4.67E-05	3.69E-05	3.19E-05	1.44E-05	5.17E-07	1.25E-05	8.77E-06	7.59E-06	2.26E-06	3.16E-05
493863.09, 3862377.25	0.293	0.059348	2.05E-05	6.20E-05	4.90E-05	4.24E-05	1.91E-05	6.86E-07	1.66E-05	1.16E-05	1.01E-05	3.01E-06	4.20E-05
494363.09, 3862377.25	0.39918	0.080855	2.80E-05	8.45E-05	6.68E-05	5.78E-05	2.60E-05	9.35E-07	2.26E-05	1.59E-05	1.37E-05	4.10E-06	5.72E-05
494863.09, 3862377.25	0.56482	0.114406	3.96E-05	1.20E-04	9.45E-05	8.17E-05	3.68E-05	1.32E-06	3.19E-05	2.24E-05	1.94E-05	5.80E-06	8.09E-05
495363.09, 3862377.25	0.76095	0.154133	5.34E-05	1.61E-04	1.27E-04	1.10E-04	4.95E-05	1.78E-06	4.30E-05	3.02E-05	2.62E-05	7.81E-06	1.09E-04
495863.09, 3862377.25	1.06687	0.216098	7.48E-05	2.26E-04	1.78E-04	1.54E-04	6.94E-05	2.50E-06	6.03E-05	4.24E-05	3.67E-05	1.09E-05	1.53E-04
496363.09, 3862377.25	1.54361	0.312664	1.08E-04	3.27E-04	2.58E-04	2.23E-04	1.00E-04	3.61E-06	8.73E-05	6.13E-05	5.31E-05	1.58E-05	2.21E-04
496863.09, 3862377.25	2.3874	0.483576	1.67E-04	5.05E-04	3.99E-04	3.45E-04	1.55E-04	5.59E-06	1.35E-04	9.49E-05	8.21E-05	2.45E-05	3.42E-04
497363.09, 3862377.25	3.49681	0.708291	2.45E-04	7.40E-04	5.85E-04	5.06E-04	2.28E-04	8.19E-06	1.98E-04	1.39E-04	1.20E-04	3.59E-05	5.01E-04
497863.09, 3862377.25	3.47624	0.704125	2.44E-04	7.36E-04	5.81E-04	5.03E-04	2.26E-04	8.14E-06	1.97E-04	1.38E-04	1.20E-04	3.57E-05	4.98E-04
498363.09, 3862377.25	2.50652	0.507705	1.76E-04	5.31E-04	4.19E-04	3.63E-04	1.63E-04	5.87E-06	1.42E-04	9.96E-05	8.62E-05	2.57E-05	3.59E-04
471363.09, 3862877.25	0.00272	0.000551	1.91E-07	5.76E-07	4.55E-07	3.94E-07	1.77E-07	6.37E-09	1.54E-07	1.08E-07	9.35E-08	2.79E-08	3.90E-07
471863.09, 3862877.25	0.00283	0.000573	1.98E-07	5.99E-07	4.73E-07	4.10E-07	1.84E-07	6.63E-09	1.60E-07	1.12E-07	9.73E-08	2.90E-08	4.05E-07
472363.09, 3862877.25	0.00298	0.000604	2.09E-07	6.31E-07	4.98E-07	4.31E-07	1.94E-07	6.98E-09	1.69E-07	1.18E-07	1.02E-07	3.06E-08	4.27E-07
472863.09, 3862877.25	0.00307	0.000622	2.15E-07	6.50E-07	5.13E-07	4.44E-07	2.00E-07	7.19E-09	1.74E-07	1.22E-07	1.06E-07	3.15E-08	4.40E-07
473363.09, 3862877.25	0.00322	0.000652	2.26E-07	6.82E-07	5.38E-07	4.66E-07	2.10E-07	7.54E-09	1.82E-07	1.28E-07	1.11E-07	3.30E-08	4.61E-07
473863.09, 3862877.25	0.00335	0.000679	2.35E-07	7.09E-07	5.60E-07	4.85E-07	2.18E-07	7.84E-09	1.89E-07	1.33E-07	1.15E-07	3.44E-08	4.80E-07
474363.09, 3862877.25	0.00338	0.000685	2.37E-07	7.16E-07	5.65E-07	4.89E-07	2.20E-07	7.91E-09	1.91E-07	1.34E-07	1.16E-07	3.47E-08	4.84E-07
474863.09, 3862877.25	0.00345	0.000699	2.42E-07	7.30E-07	5.77E-07	4.99E-07	2.24E-07	8.08E-09	1.95E-07	1.37E-07	1.19E-07	3.54E-08	4.94E-07
475363.09, 3862877.25	0.00375	0.00076	2.63E-07	7.94E-07	6.27E-07	5.43E-07	2.44E-07	8.78E-09	2.12E-07	1.49E-07	1.29E-07	3.85E-08	5.37E-07
475863.09, 3862877.25	0.00394	0.000798	2.76E-07	8.34E-07	6.59E-07	5.70E-07	2.56E-07	9.23E-09	2.23E-07	1.57E-07	1.35E-07	4.04E-08	5.65E-07
476363.09, 3862877.25	0.00402	0.000814	2.82E-07	8.51E-07	6.72E-07	5.82E-07	2.62E-07	9.41E-09	2.27E-07	1.60E-07	1.38E-07	4.13E-08	5.76E-07
476863.09, 3862877.25	0.0039	0.00079	2.73E-07	8.26E-07	6.52E-07	5.64E-07	2.54E-07	9.13E-09	2.21E-07	1.55E-07	1.34E-07	4.00E-08	5.59E-07
477363.09, 3862877.25	0.00372	0.000753	2.61E-07	7.88E-07	6.22E-07	5.38E-07	2.42E-07	8.71E-09	2.10E-07	1.48E-07	1.28E-07	3.82E-08	5.33E-07
477863.09, 3862877.25	0.00297	0.000602	2.08E-07	6.29E-07	4.97E-07	4.30E-07	1.93E-07	6.95E-09	1.68E-07	1.18E-07	1.02E-07	3.05E-08	4.26E-07
478363.09, 3862877.25	0.00222	0.00045	1.56E-07	4.70E-07	3.71E-07	3.21E-07	1.44E-07	5.20E-09	1.26E-07	8.82E-08	7.63E-08	2.28E-08	3.18E-07
478863.09, 3862877.25	0.00223	0.000452	1.56E-07	4.72E-07	3.73E-07	3.23E-07	1.45E-07	5.22E-09	1.26E-07	8.86E-08	7.67E-08	2.29E-08	3.20E-07
479363.09, 3862877.25	0.00251	0.000508	1.76E-07	5.31E-07	4.20E-07	3.63E-07	1.63E-07	5.88E-09	1.42E-07	9.97E-08	8.63E-08	2.58E-08	3.60E-07

479863.09, 3862877.25	0.00542	0.001098	3.80E-07	1.15E-06	9.06E-07	7.84E-07	3.53E-07	1.27E-08	3.07E-07	2.15E-07	1.86E-07	5.56E-08	7.77E-07
480363.09, 3862877.25	0.0071	0.001438	4.98E-07	1.50E-06	1.19E-06	1.03E-06	4.62E-07	1.66E-08	4.02E-07	2.82E-07	2.44E-07	7.29E-08	1.02E-06
480863.09, 3862877.25	0.0077	0.00156	5.40E-07	1.63E-06	1.29E-06	1.11E-06	5.01E-07	1.80E-08	4.35E-07	3.06E-07	2.65E-07	7.90E-08	1.10E-06
481363.09, 3862877.25	0.00889	0.001801	6.23E-07	1.88E-06	1.49E-06	1.29E-06	5.78E-07	2.08E-08	5.03E-07	3.53E-07	3.06E-07	9.12E-08	1.27E-06
481863.09, 3862877.25	0.00818	0.001657	5.74E-07	1.73E-06	1.37E-06	1.18E-06	5.32E-07	1.92E-08	4.63E-07	3.25E-07	2.81E-07	8.40E-08	1.17E-06
482363.09, 3862877.25	0.01037	0.0021	7.27E-07	2.20E-06	1.73E-06	1.50E-06	6.75E-07	2.43E-08	5.86E-07	4.12E-07	3.57E-07	1.06E-07	1.49E-06
482863.09, 3862877.25	0.01075	0.002177	7.54E-07	2.28E-06	1.80E-06	1.56E-06	6.99E-07	2.52E-08	6.08E-07	4.27E-07	3.70E-07	1.10E-07	1.54E-06
483363.09, 3862877.25	0.0115	0.002329	8.06E-07	2.43E-06	1.92E-06	1.66E-06	7.48E-07	2.69E-08	6.50E-07	4.57E-07	3.95E-07	1.18E-07	1.65E-06
483863.09, 3862877.25	0.01276	0.002585	8.95E-07	2.70E-06	2.13E-06	1.85E-06	8.30E-07	2.99E-08	7.22E-07	5.07E-07	4.39E-07	1.31E-07	1.83E-06
484363.09, 3862877.25	0.01359	0.002753	9.53E-07	2.88E-06	2.27E-06	1.97E-06	8.84E-07	3.18E-08	7.69E-07	5.40E-07	4.67E-07	1.39E-07	1.95E-06
484863.09, 3862877.25	0.01614	0.003269	1.13E-06	3.42E-06	2.70E-06	2.34E-06	1.05E-06	3.78E-08	9.13E-07	6.41E-07	5.55E-07	1.66E-07	2.31E-06
485363.09, 3862877.25	0.01771	0.003587	1.24E-06	3.75E-06	2.96E-06	2.56E-06	1.15E-06	4.15E-08	1.00E-06	7.04E-07	6.09E-07	1.82E-07	2.54E-06
485863.09, 3862877.25	0.01966	0.003982	1.38E-06	4.16E-06	3.29E-06	2.84E-06	1.28E-06	4.60E-08	1.11E-06	7.81E-07	6.76E-07	2.02E-07	2.82E-06
486363.09, 3862877.25	0.02113	0.00428	1.48E-06	4.47E-06	3.53E-06	3.06E-06	1.37E-06	4.95E-08	1.20E-06	8.40E-07	7.26E-07	2.17E-07	3.03E-06
486863.09, 3862877.25	0.02393	0.004847	1.68E-06	5.07E-06	4.00E-06	3.46E-06	1.56E-06	5.60E-08	1.35E-06	9.51E-07	8.23E-07	2.46E-07	3.43E-06
487363.09, 3862877.25	0.02642	0.005351	1.85E-06	5.59E-06	4.42E-06	3.82E-06	1.72E-06	6.19E-08	1.49E-06	1.05E-06	9.08E-07	2.71E-07	3.79E-06
487863.09, 3862877.25	0.02955	0.005985	2.07E-06	6.26E-06	4.94E-06	4.28E-06	1.92E-06	6.92E-08	1.67E-06	1.17E-06	1.02E-06	3.03E-07	4.23E-06
488363.09, 3862877.25	0.0333	0.006745	2.33E-06	7.05E-06	5.57E-06	4.82E-06	2.17E-06	7.80E-08	1.88E-06	1.32E-06	1.14E-06	3.42E-07	4.77E-06
488863.09, 3862877.25	0.03749	0.007594	2.63E-06	7.94E-06	6.27E-06	5.42E-06	2.44E-06	8.78E-08	2.12E-06	1.49E-06	1.29E-06	3.85E-07	5.37E-06
489363.09, 3862877.25	0.04213	0.008534	2.95E-06	8.92E-06	7.05E-06	6.10E-06	2.74E-06	9.86E-08	2.38E-06	1.67E-06	1.45E-06	4.32E-07	6.04E-06
489863.09, 3862877.25	0.04756	0.009633	3.33E-06	1.01E-05	7.95E-06	6.88E-06	3.09E-06	1.11E-07	2.69E-06	1.89E-06	1.64E-06	4.88E-07	6.81E-06
490363.09, 3862877.25	0.05455	0.011049	3.82E-06	1.15E-05	9.12E-06	7.89E-06	3.55E-06	1.28E-07	3.09E-06	2.17E-06	1.88E-06	5.60E-07	7.82E-06
490863.09, 3862877.25	0.06326	0.012814	4.44E-06	1.34E-05	1.06E-05	9.15E-06	4.12E-06	1.48E-07	3.58E-06	2.51E-06	2.17E-06	6.49E-07	9.06E-06
491363.09, 3862877.25	0.07112	0.014406	4.99E-06	1.51E-05	1.19E-05	1.03E-05	4.63E-06	1.67E-07	4.02E-06	2.83E-06	2.45E-06	7.30E-07	1.02E-05
491863.09, 3862877.25	0.09176	0.018586	6.43E-06	1.94E-05	1.53E-05	1.33E-05	5.97E-06	2.15E-07	5.19E-06	3.65E-06	3.15E-06	9.42E-07	1.31E-05
492363.09, 3862877.25	0.10984	0.022248	7.70E-06	2.33E-05	1.84E-05	1.59E-05	7.15E-06	2.57E-07	6.21E-06	4.36E-06	3.78E-06	1.13E-06	1.57E-05
492863.09, 3862877.25	0.13147	0.02663	9.22E-06	2.78E-05	2.20E-05	1.90E-05	8.55E-06	3.08E-07	7.44E-06	5.22E-06	4.52E-06	1.35E-06	1.88E-05
493363.09, 3862877.25	0.15758	0.031918	1.10E-05	3.34E-05	2.64E-05	2.28E-05	1.03E-05	3.69E-07	8.91E-06	6.26E-06	5.42E-06	1.62E-06	2.26E-05
493863.09, 3862877.25	0.19674	0.03985	1.38E-05	4.17E-05	3.29E-05	2.85E-05	1.28E-05	4.61E-07	1.11E-05	7.82E-06	6.76E-06	2.02E-06	2.82E-05
494363.09, 3862877.25	0.2578	0.052218	1.81E-05	5.46E-05	4.31E-05	3.73E-05	1.68E-05	6.04E-07	1.46E-05	1.02E-05	8.86E-06	2.65E-06	3.69E-05
494863.09, 3862877.25	0.32269	0.065362	2.26E-05	6.83E-05	5.40E-05	4.67E-05	2.10E-05	7.56E-07	1.83E-05	1.28E-05	1.11E-05	3.31E-06	4.62E-05
495363.09, 3862877.25	0.37704	0.076371	2.64E-05	7.98E-05	6.31E-05	5.46E-05	2.45E-05	8.83E-07	2.13E-05	1.50E-05	1.30E-05	3.87E-06	5.40E-05
495863.09, 3862877.25	0.42449	0.085982	2.98E-05	8.99E-05	7.10E-05	6.14E-05	2.76E-05	9.94E-07	2.40E-05	1.69E-05	1.46E-05	4.36E-06	6.08E-05
496363.09, 3862877.25	0.46719	0.094631	3.28E-05	9.89E-05	7.81E-05	6.76E-05	3.04E-05	1.09E-06	2.64E-05	1.86E-05	1.61E-05	4.79E-06	6.69E-05
496863.09, 3862877.25	0.53697	0.108765	3.77E-05	1.14E-04	8.98E-05	7.77E-05	3.49E-05	1.26E-06	3.04E-05	2.13E-05	1.85E-05	5.51E-06	7.69E-05
497363.09, 3862877.25	0.62576	0.12675	4.39E-05	1.32E-04	1.05E-04	9.05E-05	4.07E-05	1.47E-06	3.54E-05	2.49E-05	2.15E-05	6.42E-06	8.97E-05
497863.09, 3862877.25	0.67791	0.137313	4.75E-05	1.44E-04	1.13E-04	9.81E-05	4.41E-05	1.59E-06	3.83E-05	2.69E-05	2.33E-05	6.96E-06	9.71E-05
498363.09, 3862877.25	0.65609	0.132893	4.60E-05	1.39E-04	1.10E-04	9.49E-05	4.27E-05	1.54E-06	3.71E-05	2.61E-05	2.26E-05	6.73E-06	9.40E-05
471363.09, 3863377.25	0.0032	0.000648	2.24E-07	6.77E-07	5.35E-07	4.63E-07	2.08E-07	7.49E-09	1.81E-07	1.27E-07	1.10E-07	3.28E-08	4.58E-07
471863.09, 3863377.25	0.00331	0.00067	2.32E-07	7.01E-07	5.54E-07	4.79E-07	2.15E-07	7.75E-09	1.87E-07	1.32E-07	1.14E-07	3.40E-08	4.74E-07
472363.09, 3863377.25	0.00348	0.000705	2.44E-07	7.37E-07	5.82E-07	5.04E-07	2.26E-07	8.15E-09	1.97E-07	1.38E-07	1.20E-07	3.57E-08	4.99E-07
472863.09, 3863377.25	0.00371	0.000751	2.60E-07	7.85E-07	6.20E-07	5.37E-07	2.41E-07	8.69E-09	2.10E-07	1.47E-07	1.28E-07	3.81E-08	5.32E-07
473363.09, 3863377.25	0.00395	0.0008	2.77E-07	8.36E-07	6.61E-07	5.72E-07	2.57E-07	9.25E-09	2.23E-07	1.57E-07	1.36E-07	4.05E-08	5.66E-07
473863.09, 3863377.25	0.00411	0.000832	2.88E-07	8.70E-07	6.87E-07	5.95E-07	2.67E-07	9.62E-09	2.32E-07	1.63E-07	1.41E-07	4.22E-08	5.89E-07
474363.09, 3863377.25	0.00423	0.000857	2.97E-07	8.96E-07	7.07E-07	6.12E-07	2.75E-07	9.90E-09	2.39E-07	1.68E-07	1.45E-07	4.34E-08	6.06E-07
474863.09, 3863377.25	0.00469	0.00095	3.29E-07	9.93E-07	7.84E-07	6.79E-07	3.05E-07	1.10E-08	2.65E-07	1.86E-07	1.61E-07	4.81E-08	6.72E-07
475363.09, 3863377.25	0.00475	0.000962	3.33E-07	1.01E-06	7.94E-07	6.87E-07	3.09E-07	1.11E-08	2.69E-07	1.89E-07	1.63E-07	4.87E-08	6.81E-07
475863.09, 3863377.25	0.00475	0.000962	3.33E-07	1.01E-06	7.94E-07	6.87E-07	3.09E-07	1.11E-08	2.69E-07	1.89E-07	1.63E-07	4.87E-08	6.81E-07
476363.09, 3863377.25	0.00494	0.001001	3.46E-07	1.05E-06	8.26E-07	7.15E-07	3.21E-07	1.16E-08	2.79E-07	1.96E-07	1.70E-07	5.07E-08	7.08E-07
476863.09, 3863377.25	0.00506	0.001025	3.55E-07	1.07E-06	8.46E-07	7.32E-07	3.29E-07	1.18E-08	2.86E-07	2.01E-07	1.74E-07	5.19E-08	7.25E-07
477363.09, 3863377.25	0.00489	0.00099	3.43E-07	1.04E-06	8.18E-07	7.08E-07	3.18E-07	1.14E-08	2.77E-07	1.94E-07	1.68E-07	5.02E-08	7.01E-07
477863.09, 3863377.25	0.00415	0.000841	2.91E-07	8.79E-07	6.94E-07	6.01E-07	2.70E-07	9.72E-09	2.35E-07	1.65E-07	1.43E-07	4.26E-08	5.95E-07
478363.09, 3863377.25	0.00306	0.00062	2.15E-07	6.48E-07	5.12E-07	4.43E-07	1.99E-07	7.16E-09	1.73E-07	1.22E-07	1.05E-07	3.14E-08	4.38E-07
478863.09, 3863377.25	0.00341	0.000691	2.39E-07	7.22E-07	5.70E-07	4.93E-07	2.22E-07	7.98E-09	1.93E-07	1.35E-07	1.17E-07	3.50E-08	4.89E-07
479363.09, 3863377.25	0.00475	0.000962	3.33E-07	1.01E-06	7.94E-07	6.87E-07	3.09E-07	1.11E-08	2.69E-07	1.89E-07	1.63E-07	4.87E-08	6.81E-07
479863.09, 3863377.25	0.00748	0.001515	5.24E-07	1.58E-06	1.25E-06	1.08E-06	4.87E-07	1.75E-08	4.23E-07	2.97E-07	2.57E-07	7.68E-08	1.07E-06
480363.09, 3863377.25	0.00848	0.001718	5.95E-07	1.80E-06	1.42E-06	1.23E-06	5.52E-07	1.99E-08	4.80E-07	3.37E-07	2.92E-07	8.70E-08	1.21E-06
480863.09, 3863377.25	0.0088	0.001782	6.17E-07	1.86E-06	1.47E-06	1.27E-06	5.73E-07	2.06E-08	4.98E-07	3.50E-07	3.03E-07	9.03E-08	1.26E-06
481363.09, 3863377.25	0.00989	0.002003	6.93E-07	2.09E-06	1.65E-06	1.43E-06	6.44E-07	2.32E-08	5.59E-07	3.93E-07	3.40E-07	1.02E-07	1.42E-06
481863.09, 3863377.25	0.01041	0.002109	7.30E-07	2.20E-06	1.74E-06	1.51E-06	6.77E-07	2.44E-08	5.89E-07	4.14E-07	3.58E-07	1.07E-07	1.49E-06
482363.09, 3863377.25	0.01089	0.002206	7.64E-07	2.31E-06	1.82E-06	1.58E-06	7.09E-07	2.55E-08	6.16E-07	4.33E-07	3.74E-07	1.12E-07	1.56E-06
482863.09, 3863377.25	0.01172	0.002374	8.22E-07	2.48E-06	1.96E-06	1.70E-06	7.63E-07	2.74E-08	6.63E-07	4.66E-07	4.03E-07	1.20E-07	1.68E-06
483363.09, 3863377.25	0.01242	0.002516	8.71E-07	2.63E-06	2.08E-06	1.80E-06	8.08E-07	2.91E-08	7.02E-07	4.93E-07	4.27E-07	1.27E-07	1.78E-06
483863.09, 3863377.25	0.01352	0.002739	9.48E-07	2.86E-06	2.26E-06	1.96E-06	8.80E-07	3.17E-08	7.65E-07	5.37E-07	4.65E-07	1.39E-07	1.94E-06
484363.09, 3863377.25	0.01516	0.003071	1.06E-06	3.21E-06	2.54E-06	2.19E-06	9.86E-07	3.55E-08	8.57E-07	6.02E-07	5.21E-07	1.56E-07	2.17E-06
484863.09, 3863377.25	0.01665	0.003373	1.17E-06	3.52E-06	2.78E-06	2.41E-06	1.08E-06	3.90E-08	9.42E-07	6.62E-07	5.72E-07	1.71E-07	2.39E-06
485363.09, 3863377.25	0.01888	0.003824	1.32E-06	4.00E-06	3.16E-06	2.73E-06	1.23E-06	4.42E-08	1.07E-06	7.50E-07	6.49E-07	1.94E-07	2.71E-06
485863.09, 3863377.25	0.02073	0.004199	1.45E-06	4.39E-06	3.47E-06	3.00E-06	1.35E-06	4.85E-08	1.17E-06	8.24E-07	7.13E-07	2.13E-07	2.97E-06
486363.09, 3863377.25	0.02252	0.004562	1.58E-06	4.77E-06	3.77E-06	3.26E-06	1.47E-06	5.27E-08	1.27E-06	8.95E-07	7.74E-07	2.31E-07	3.23E-06
486863.09, 3863377.25	0.02449	0.004961	1.72E-06	5.18E-06	4.10E-06	3.54E-06	1.59E-06	5.73E-08	1.39E-06	9.73E-07	8.42E-07	2.51E-07	3.51E-06
487363.09, 3863377.25	0.02669	0.005406	1.87E-06	5.65E-06	4.46E-06	3.86E-06	1.74E-06	6.25E-08	1.51E-06	1.06E-06	9.18E-07	2.74E-07	3.82E-06
487863.09, 3863377.25	0.02896	0.005866	2.03E-06	6.13E-06	4.84E-06	4.19E-06	1.88E-06	6.78E-08	1.64E-06	1.15E-06	9.96E-07	2.97E-07	4.15E-06
488363.09, 3863377.25	0.0312	0.00632	2.19E-06	6.61E-06	5.22E-06	4.51E-06	2.03E-06	7.31E-08	1.76E-06	1.24E-06	1.07E-06	3.20E-07	4.47E-06
488863.09, 3863377.25	0.03367	0.00682	2.36E-06	7.13E-06	5.63E-06	4.87E-06	2.19E-06	7.88E-08	1.90E-06	1.34E-06	1.16E-06	3.46E-07	4.82E-06
489363.09, 3863377.25	0.03762	0.00762	2.64E-06	7.96E-06	6.29E-06	5.44E-06	2.45E-06	8.81E-08	2.13E-06	1.49E-06	1.29E-06	3.86E-07	5.39E-06
489863.09, 3863377.25	0.04218	0.008544	2.96E-06	8.93E-06	7.05E-06	6.10E-06	2.74E-06	9.88E-08	2.39E-06	1.68E-06	1.45E-06	4.33E-07	6.04E-06
490363.09, 3863377.25	0.04771	0.009664	3.35E-06	1.01E-05	7.98E-06	6.90E-06	3.10E-06	1.12E-07	2.70E-06	1.90E-06	1.64E-06	4.90E-07	6.84E-06
490863.09, 3863377.25	0.05417	0.010972	3.80E-06	1.15E-05	9.06E-06	7.84E-06	3.52E-06	1.27E-07	3.06E-06	2.15E-06	1.86E-06	5.56E-07	7.76E-06
491363.09, 3863377.25	0.06331	0.012824	4.44E-06	1.34E-05	1.06E-05	9.16E-06	4.12E-06	1.48E-07	3.58E-06	2.52E-06	2.18E-06	6.50E-07	9.07E-06
491863.09, 3863377.25	0.07322	0.014831	5.13E-06	1.55E-05	1.22E-05	1.06E-05	4.76E-06	1.71E-07	4.14E-06	2.91E-06	2.52E-06	7.51E-07	1.05E-05
492363.09, 3863377.25	0.07802	0.015803	5.47E-06	1.65E-05	1.30E-05	1.13E-05	5.08E-06	1.83E-07	4.41E-06	3.10E-06	2.68E-06	8.01E-07	1.12E-05
492863.09, 3863377.25	0.06318	0.012797	4.43E-06	1.34E-05	1.06E-05	9.14E-06	4.11E-06	1.48E-07	3.57E-06	2.51E-06	2.17E-06	6.48E-07	9.05E-06
493363.09, 3863377.25	0.04641	0.009401	3.25E-06	9.83E-06	7.76E-06	6.72E-06	3.02E-06	1.09E-07	2.62E-06	1.84E-06	1.60E-06	4.76E-07	6.65E-06
493863.09, 3863377.25	0.05583	0.011309	3.91E-06	1.18E-05	9.34E-06	8.08E-06	3.63E-06	1.31E-07	3.16E-06	2.22E-06	1.92E-06	5.73E-07	8.00E-06
494363.09, 3863377.25	0.10477	0.021222	7.35E-06	2.22E-05	1.75E-05	1.52E-05	6.82E-06	2.45E-07	5.93E-06	4.16E-06	3.60E-06	1.08E-06	1.50E-05
494863.09, 3863377.25	0.114	0.023091	7.99E-06	2.41E-05	1.91E-05	1.65E-05	7.42E-06	2.67E-07	6.45E-06	4.53E-06	3.92E-06	1.17E-06	1.63E-05
495363.09, 3863377.25	0.09361	0.018961	6.56E-06	1.98E-05	1.57E-05	1.35E-05	6.09E-06	2.19E-07	5.29E-06	3.72E-06	3.22E-06	9.61E-07	1.34E-05
495863.09, 3863377.25	0.08759	0.017742	6.14E-06	1.85E-05	1.46E-05	1.27E-05	5.70E-06	2.05E-07	4.95E-06	3.48E-06	3.01E-06	8.99E-07	1.25E-05
496363.09, 3863377.25	0.26441	0.053557	1.85E-05	5.60E-05	4.42E-05	3.83E-05	1.72E-05	6.19E-07	1.50E-05	1.05E-05	9.09E-06	2.71E-06	3.79E-05
496863.09, 3863377.25	0.26172	0.053012	1.84E-05	5.54E-05	4.38E-05	3.79E-05	1.70E-05	6.13E-07	1.48E-05	1.04E-05	9.00E-06	2.69E-06	3.75E-05
497363.09, 3863377.25	0.2956	0.059875	2.07E-05	6.26E-05	4.94E-05	4.28E-05	1.92E-05	6.92E-07	1.67E-05	1.17E-05	1.02E-05	3.03E-06	4.24E-05
497863.09, 3863377.25	0.31904	0.064623	2.24E-05	6.75E-05	5.34E-05	4.62E-05	2.08E-05	7.47E-07	1.80E-05	1.27E-05	1.10E-05	3.27E-06	4.57E-05
498363.09, 3863377.25	0.33384	0.06762	2.34E-05	7.07E-05	5.58E-05	4.83E-05	2.17E-05	7.82E-07	1.89E-05	1.33E-05	1.15E-05	3.43E-06	4.78E-05
471363.09, 3863877.25	0.00366	0.000741	2.57E-07	7.75E-07	6.12E-07	5.30E-07	2.38E-07	8.57E-09	2.07E-07	1.45E-07	1.26E-07	3.76E-08	5.24E-07
471863.09, 3863877.25	0.00359	0.000727	2.52E-07	7.60E-07	6.00E-07	5.19E-07	2.34E-07	8.41E-09	2.03E-07	1.43E-07	1.23E-07	3.68E-08	5.14E-07
472363.09, 3863877.25	0.00387	0.000784	2.71E-07	8.19E-07	6.47E-07	5.60E-07	2.52E-07	9.06E-09	2.19E-07	1.54E-07	1.33E-07	3.97E-08	5.54E-07
472863.09, 3863877.25	0.0041	0.00083	2.87E-07	8.68E-07	6.86E-07	5.93E-07	2.67E-07	9.60E-09	2.32E-07	1.63E-07	1.41E-07	4.21E-08	5.87E-07
473363.09, 3863877.25	0.00449	0.000909	3.15E-07	9.51E-07	7.51E-07	6.50E-07	2.92E-07	1.05E-08	2.54E-07	1.78E-07	1.54E-07	4.61E-08	6.43E-07
473863.09, 3863877.25	0.00454	0.00092	3.18E-07	9.61E-07	7.59E-07	6.57E-07	2.95E-07	1.06E-08	2.57E-07	1.80E-07	1.56E-07	4.66E-08	6.50E-07

474363.09, 3863877.25	0.00476	0.000964	3.34E-07	1.01E-06	7.96E-07	6.89E-07	3.10E-07	1.11E-08	2.69E-07	1.89E-07	1.64E-07	4.89E-08	6.82E-07
474863.09, 3863877.25	0.00516	0.001045	3.62E-07	1.09E-06	8.63E-07	7.47E-07	3.36E-07	1.21E-08	2.92E-07	2.05E-07	1.77E-07	5.30E-08	7.39E-07
475363.09, 3863877.25	0.00503	0.001019	3.53E-07	1.06E-06	8.41E-07	7.28E-07	3.27E-07	1.18E-08	2.84E-07	2.00E-07	1.73E-07	5.16E-08	7.21E-07
475863.09, 3863877.25	0.00537	0.001088	3.77E-07	1.14E-06	8.98E-07	7.77E-07	3.49E-07	1.26E-08	3.04E-07	2.13E-07	1.85E-07	5.51E-08	7.69E-07
476363.09, 3863877.25	0.00537	0.001088	3.77E-07	1.14E-06	8.98E-07	7.77E-07	3.49E-07	1.26E-08	3.04E-07	2.13E-07	1.85E-07	5.51E-08	7.69E-07
476863.09, 3863877.25	0.00567	0.001148	3.98E-07	1.20E-06	9.48E-07	8.20E-07	3.69E-07	1.33E-08	3.21E-07	2.25E-07	1.95E-07	5.82E-08	8.12E-07
477363.09, 3863877.25	0.00559	0.001132	3.92E-07	1.18E-06	9.35E-07	8.09E-07	3.64E-07	1.31E-08	3.16E-07	2.22E-07	1.92E-07	5.74E-08	8.01E-07
477863.09, 3863877.25	0.00489	0.00099	3.43E-07	1.04E-06	8.18E-07	7.08E-07	3.18E-07	1.14E-08	2.77E-07	1.94E-07	1.68E-07	5.02E-08	7.01E-07
478363.09, 3863877.25	0.00368	0.000745	2.58E-07	7.79E-07	6.15E-07	5.32E-07	2.39E-07	8.62E-09	2.08E-07	1.46E-07	1.27E-07	3.78E-08	5.27E-07
478863.09, 3863877.25	0.00525	0.001063	3.68E-07	1.11E-06	8.78E-07	7.60E-07	3.42E-07	1.23E-08	2.97E-07	2.09E-07	1.80E-07	5.39E-08	7.52E-07
479363.09, 3863877.25	0.00674	0.001365	4.73E-07	1.43E-06	1.13E-06	9.75E-07	4.39E-07	1.58E-08	3.81E-07	2.68E-07	2.32E-07	6.92E-08	9.66E-07
479863.09, 3863877.25	0.00791	0.001602	5.55E-07	1.67E-06	1.32E-06	1.14E-06	5.15E-07	1.85E-08	4.47E-07	3.14E-07	2.72E-07	8.12E-08	1.13E-06
480363.09, 3863877.25	0.00885	0.001793	6.21E-07	1.87E-06	1.48E-06	1.28E-06	5.76E-07	2.07E-08	5.01E-07	3.52E-07	3.04E-07	9.08E-08	1.27E-06
480863.09, 3863877.25	0.00936	0.001896	6.56E-07	1.98E-06	1.57E-06	1.35E-06	6.09E-07	2.19E-08	5.29E-07	3.72E-07	3.22E-07	9.61E-08	1.34E-06
481363.09, 3863877.25	0.01018	0.002062	7.14E-07	2.16E-06	1.70E-06	1.47E-06	6.62E-07	2.38E-08	5.76E-07	4.04E-07	3.50E-07	1.04E-07	1.46E-06
481863.09, 3863877.25	0.01104	0.002236	7.74E-07	2.34E-06	1.85E-06	1.60E-06	7.18E-07	2.58E-08	6.24E-07	4.39E-07	3.80E-07	1.13E-07	1.58E-06
482363.09, 3863877.25	0.01166	0.002362	8.18E-07	2.47E-06	1.95E-06	1.69E-06	7.59E-07	2.73E-08	6.59E-07	4.63E-07	4.01E-07	1.20E-07	1.67E-06
482863.09, 3863877.25	0.01272	0.002576	8.92E-07	2.69E-06	2.13E-06	1.84E-06	8.28E-07	2.98E-08	7.19E-07	5.05E-07	4.37E-07	1.31E-07	1.82E-06
483363.09, 3863877.25	0.01377	0.002789	9.66E-07	2.92E-06	2.30E-06	1.99E-06	8.96E-07	3.22E-08	7.79E-07	5.47E-07	4.73E-07	1.41E-07	1.97E-06
483863.09, 3863877.25	0.01463	0.002963	1.03E-06	3.10E-06	2.45E-06	2.12E-06	9.52E-07	3.43E-08	8.27E-07	5.81E-07	5.03E-07	1.50E-07	2.10E-06
484363.09, 3863877.25	0.01598	0.003237	1.12E-06	3.38E-06	2.67E-06	2.31E-06	1.04E-06	3.74E-08	9.04E-07	6.35E-07	5.49E-07	1.64E-07	2.29E-06
484863.09, 3863877.25	0.01712	0.003468	1.20E-06	3.62E-06	2.86E-06	2.48E-06	1.11E-06	4.01E-08	9.68E-07	6.80E-07	5.89E-07	1.76E-07	2.45E-06
485363.09, 3863877.25	0.01841	0.003729	1.29E-06	3.90E-06	3.08E-06	2.66E-06	1.20E-06	4.31E-08	1.04E-06	7.32E-07	6.33E-07	1.89E-07	2.64E-06
485863.09, 3863877.25	0.01935	0.003919	1.36E-06	4.10E-06	3.24E-06	2.80E-06	1.26E-06	4.53E-08	1.09E-06	7.69E-07	6.65E-07	1.99E-07	2.77E-06
486363.09, 3863877.25	0.02084	0.004221	1.46E-06	4.41E-06	3.49E-06	3.02E-06	1.36E-06	4.88E-08	1.18E-06	8.28E-07	7.16E-07	2.14E-07	2.99E-06
486863.09, 3863877.25	0.02223	0.004503	1.56E-06	4.71E-06	3.72E-06	3.22E-06	1.45E-06	5.20E-08	1.26E-06	8.83E-07	7.64E-07	2.28E-07	3.19E-06
487363.09, 3863877.25	0.02385	0.004831	1.67E-06	5.05E-06	3.99E-06	3.45E-06	1.55E-06	5.58E-08	1.35E-06	9.48E-07	8.20E-07	2.45E-07	3.42E-06
487863.09, 3863877.25	0.02574	0.005214	1.80E-06	5.45E-06	4.30E-06	3.72E-06	1.67E-06	6.03E-08	1.46E-06	1.02E-06	8.85E-07	2.64E-07	3.69E-06
488363.09, 3863877.25	0.02789	0.005649	1.96E-06	5.90E-06	4.66E-06	4.04E-06	1.81E-06	6.53E-08	1.58E-06	1.11E-06	9.59E-07	2.86E-07	4.00E-06
488863.09, 3863877.25	0.0305	0.006178	2.14E-06	6.46E-06	5.10E-06	4.41E-06	1.98E-06	7.14E-08	1.72E-06	1.21E-06	1.05E-06	3.13E-07	4.37E-06
489363.09, 3863877.25	0.03376	0.006838	2.37E-06	7.15E-06	5.65E-06	4.89E-06	2.20E-06	7.90E-08	1.91E-06	1.34E-06	1.16E-06	3.46E-07	4.84E-06
489863.09, 3863877.25	0.03767	0.00763	2.64E-06	7.98E-06	6.30E-06	5.45E-06	2.45E-06	8.82E-08	2.13E-06	1.50E-06	1.30E-06	3.87E-07	5.40E-06
490363.09, 3863877.25	0.04235	0.008578	2.97E-06	8.97E-06	7.08E-06	6.13E-06	2.76E-06	9.92E-08	2.40E-06	1.68E-06	1.46E-06	4.35E-07	6.07E-06
490863.09, 3863877.25	0.04701	0.009522	3.30E-06	9.95E-06	7.86E-06	6.80E-06	3.06E-06	1.10E-07	2.66E-06	1.87E-06	1.62E-06	4.82E-07	6.74E-06
491363.09, 3863877.25	0.05182	0.010496	3.63E-06	1.10E-05	8.67E-06	7.50E-06	3.37E-06	1.21E-07	2.93E-06	2.06E-06	1.78E-06	5.32E-07	7.42E-06
491863.09, 3863877.25	0.04415	0.008943	3.10E-06	9.35E-06	7.38E-06	6.39E-06	2.87E-06	1.03E-07	2.50E-06	1.75E-06	1.52E-06	4.53E-07	6.33E-06
492363.09, 3863877.25	0.02256	0.00457	1.58E-06	4.78E-06	3.77E-06	3.26E-06	1.47E-06	5.28E-08	1.28E-06	8.96E-07	7.76E-07	2.32E-07	3.23E-06
492863.09, 3863877.25	0.01439	0.002915	1.01E-06	3.05E-06	2.41E-06	2.08E-06	9.36E-07	3.37E-08	8.14E-07	5.72E-07	4.95E-07	1.48E-07	2.06E-06
493363.09, 3863877.25	0.01626	0.003294	1.14E-06	3.44E-06	2.72E-06	2.35E-06	1.06E-06	3.81E-08	9.20E-07	6.46E-07	5.59E-07	1.67E-07	2.33E-06
493863.09, 3863877.25	0.02492	0.005048	1.75E-06	5.28E-06	4.17E-06	3.61E-06	1.62E-06	5.83E-08	1.41E-06	9.90E-07	8.57E-07	2.56E-07	3.57E-06
494363.09, 3863877.25	0.0353	0.00715	2.48E-06	7.47E-06	5.90E-06	5.11E-06	2.30E-06	8.27E-08	2.00E-06	1.40E-06	1.21E-06	3.62E-07	5.06E-06
494863.09, 3863877.25	0.04577	0.009271	3.21E-06	9.69E-06	7.65E-06	6.62E-06	2.98E-06	1.07E-07	2.59E-06	1.82E-06	1.57E-06	4.70E-07	6.56E-06
495363.09, 3863877.25	0.05164	0.01046	3.62E-06	1.09E-05	8.64E-06	7.47E-06	3.36E-06	1.21E-07	2.92E-06	2.05E-06	1.78E-06	5.30E-07	7.40E-06
495863.09, 3863877.25	0.05306	0.010747	3.72E-06	1.12E-05	8.87E-06	7.68E-06	3.45E-06	1.24E-07	3.00E-06	2.11E-06	1.82E-06	5.45E-07	7.60E-06
496363.09, 3863877.25	0.09697	0.019642	6.80E-06	2.05E-05	1.62E-05	1.40E-05	6.31E-06	2.27E-07	5.48E-06	3.85E-06	3.33E-06	9.95E-07	1.39E-05
496863.09, 3863877.25	0.16252	0.032919	1.14E-05	3.44E-05	2.72E-05	2.35E-05	1.06E-05	3.81E-07	9.19E-06	6.46E-06	5.59E-06	1.67E-06	2.33E-05
497363.09, 3863877.25	0.1907	0.038627	1.34E-05	4.04E-05	3.19E-05	2.76E-05	1.24E-05	4.47E-07	1.08E-05	7.58E-06	6.56E-06	1.96E-06	2.73E-05
497863.09, 3863877.25	0.19882	0.040272	1.39E-05	4.21E-05	3.32E-05	2.88E-05	1.29E-05	4.66E-07	1.12E-05	7.90E-06	6.84E-06	2.04E-06	2.85E-05
498363.09, 3863877.25	0.19735	0.039974	1.38E-05	4.18E-05	3.30E-05	2.86E-05	1.28E-05	4.62E-07	1.12E-05	7.84E-06	6.79E-06	2.03E-06	2.83E-05
471363.09, 3864377.25	0.00358	0.000725	2.51E-07	7.58E-07	5.99E-07	5.18E-07	2.33E-07	8.38E-09	2.02E-07	1.42E-07	1.23E-07	3.67E-08	5.13E-07
471863.09, 3864377.25	0.00368	0.000745	2.58E-07	7.79E-07	6.15E-07	5.32E-07	2.39E-07	8.62E-09	2.08E-07	1.46E-07	1.27E-07	3.78E-08	5.27E-07
472363.09, 3864377.25	0.00384	0.000778	2.69E-07	8.13E-07	6.42E-07	5.56E-07	2.50E-07	8.99E-09	2.17E-07	1.53E-07	1.32E-07	3.94E-08	5.50E-07
472863.09, 3864377.25	0.00397	0.000804	2.78E-07	8.40E-07	6.64E-07	5.74E-07	2.58E-07	9.30E-09	2.25E-07	1.58E-07	1.36E-07	4.07E-08	5.69E-07
473363.09, 3864377.25	0.00438	0.000887	3.07E-07	9.27E-07	7.32E-07	6.34E-07	2.85E-07	1.03E-08	2.48E-07	1.74E-07	1.51E-07	4.50E-08	6.28E-07
473863.09, 3864377.25	0.00461	0.000934	3.23E-07	9.76E-07	7.71E-07	6.67E-07	3.00E-07	1.08E-08	2.61E-07	1.83E-07	1.58E-07	4.73E-08	6.61E-07
474363.09, 3864377.25	0.00469	0.00095	3.29E-07	9.93E-07	7.84E-07	6.79E-07	3.05E-07	1.10E-08	2.65E-07	1.86E-07	1.61E-07	4.81E-08	6.72E-07
474863.09, 3864377.25	0.00505	0.001023	3.54E-07	1.07E-06	8.45E-07	7.31E-07	3.29E-07	1.18E-08	2.86E-07	2.01E-07	1.74E-07	5.18E-08	7.24E-07
475363.09, 3864377.25	0.00511	0.001035	3.58E-07	1.08E-06	8.55E-07	7.39E-07	3.32E-07	1.20E-08	2.89E-07	2.03E-07	1.76E-07	5.24E-08	7.32E-07
475863.09, 3864377.25	0.00539	0.001092	3.78E-07	1.14E-06	9.01E-07	7.80E-07	3.51E-07	1.26E-08	3.05E-07	2.14E-07	1.85E-07	5.53E-08	7.72E-07
476363.09, 3864377.25	0.00555	0.001124	3.89E-07	1.17E-06	9.28E-07	8.03E-07	3.61E-07	1.30E-08	3.14E-07	2.21E-07	1.91E-07	5.70E-08	7.95E-07
476863.09, 3864377.25	0.00563	0.00114	3.95E-07	1.19E-06	9.42E-07	8.15E-07	3.66E-07	1.32E-08	3.18E-07	2.24E-07	1.94E-07	5.78E-08	8.07E-07
477363.09, 3864377.25	0.00614	0.001244	4.31E-07	1.30E-06	1.03E-06	8.88E-07	4.00E-07	1.44E-08	3.47E-07	2.44E-07	2.11E-07	6.30E-08	8.80E-07
477863.09, 3864377.25	0.00657	0.001331	4.61E-07	1.39E-06	1.10E-06	9.51E-07	4.27E-07	1.54E-08	3.72E-07	2.61E-07	2.26E-07	6.74E-08	9.41E-07
478363.09, 3864377.25	0.00696	0.00141	4.88E-07	1.47E-06	1.16E-06	1.01E-06	4.53E-07	1.63E-08	3.94E-07	2.77E-07	2.39E-07	7.14E-08	9.97E-07
478863.09, 3864377.25	0.00737	0.001493	5.17E-07	1.56E-06	1.23E-06	1.07E-06	4.80E-07	1.73E-08	4.17E-07	2.93E-07	2.53E-07	7.56E-08	1.06E-06
479363.09, 3864377.25	0.00822	0.001665	5.76E-07	1.74E-06	1.37E-06	1.19E-06	5.35E-07	1.92E-08	4.65E-07	3.27E-07	2.83E-07	8.44E-08	1.18E-06
479863.09, 3864377.25	0.00882	0.001787	6.18E-07	1.87E-06	1.47E-06	1.28E-06	5.74E-07	2.07E-08	4.99E-07	3.50E-07	3.03E-07	9.05E-08	1.26E-06
480363.09, 3864377.25	0.00934	0.001892	6.55E-07	1.98E-06	1.56E-06	1.35E-06	6.08E-07	2.19E-08	5.28E-07	3.71E-07	3.21E-07	9.59E-08	1.34E-06
480863.09, 3864377.25	0.01038	0.002103	7.28E-07	2.20E-06	1.74E-06	1.50E-06	6.75E-07	2.43E-08	5.87E-07	4.12E-07	3.57E-07	1.07E-07	1.49E-06
481363.09, 3864377.25	0.01114	0.002256	7.81E-07	2.36E-06	1.86E-06	1.61E-06	7.25E-07	2.61E-08	6.30E-07	4.43E-07	3.83E-07	1.14E-07	1.60E-06
481863.09, 3864377.25	0.01176	0.002382	8.25E-07	2.49E-06	1.97E-06	1.70E-06	7.65E-07	2.75E-08	6.65E-07	4.67E-07	4.04E-07	1.21E-07	1.68E-06
482363.09, 3864377.25	0.01235	0.002502	8.66E-07	2.61E-06	2.07E-06	1.79E-06	8.04E-07	2.89E-08	6.98E-07	4.91E-07	4.25E-07	1.27E-07	1.77E-06
482863.09, 3864377.25	0.01296	0.002625	9.09E-07	2.74E-06	2.17E-06	1.88E-06	8.43E-07	3.03E-08	7.33E-07	5.15E-07	4.46E-07	1.33E-07	1.86E-06
483363.09, 3864377.25	0.01368	0.002771	9.59E-07	2.90E-06	2.29E-06	1.98E-06	8.90E-07	3.20E-08	7.74E-07	5.44E-07	4.70E-07	1.40E-07	1.96E-06
483863.09, 3864377.25	0.01437	0.002911	1.01E-06	3.04E-06	2.40E-06	2.08E-06	9.35E-07	3.36E-08	8.13E-07	5.71E-07	4.94E-07	1.47E-07	2.06E-06
484363.09, 3864377.25	0.01506	0.00305	1.06E-06	3.19E-06	2.52E-06	2.18E-06	9.80E-07	3.53E-08	8.52E-07	5.98E-07	5.18E-07	1.55E-07	2.16E-06
484863.09, 3864377.25	0.01603	0.003247	1.12E-06	3.39E-06	2.68E-06	2.32E-06	1.04E-06	3.75E-08	9.07E-07	6.37E-07	5.51E-07	1.65E-07	2.30E-06
485363.09, 3864377.25	0.0171	0.003464	1.20E-06	3.62E-06	2.86E-06	2.47E-06	1.11E-06	4.00E-08	9.67E-07	6.79E-07	5.88E-07	1.75E-07	2.45E-06
485863.09, 3864377.25	0.01824	0.003695	1.28E-06	3.86E-06	3.05E-06	2.64E-06	1.19E-06	4.27E-08	1.03E-06	7.25E-07	6.27E-07	1.87E-07	2.61E-06
486363.09, 3864377.25	0.01944	0.003938	1.36E-06	4.12E-06	3.25E-06	2.81E-06	1.26E-06	4.55E-08	1.10E-06	7.72E-07	6.68E-07	2.00E-07	2.79E-06
486863.09, 3864377.25	0.02067	0.004187	1.45E-06	4.38E-06	3.46E-06	2.99E-06	1.34E-06	4.84E-08	1.17E-06	8.21E-07	7.11E-07	2.12E-07	2.96E-06
487363.09, 3864377.25	0.02182	0.00442	1.53E-06	4.62E-06	3.65E-06	3.16E-06	1.42E-06	5.11E-08	1.23E-06	8.67E-07	7.50E-07	2.24E-07	3.13E-06
487863.09, 3864377.25	0.0234	0.00474	1.64E-06	4.95E-06	3.91E-06	3.39E-06	1.52E-06	5.48E-08	1.32E-06	9.30E-07	8.05E-07	2.40E-07	3.35E-06
488363.09, 3864377.25	0.02565	0.005195	1.80E-06	5.43E-06	4.29E-06	3.71E-06	1.67E-06	6.01E-08	1.45E-06	1.02E-06	8.82E-07	2.63E-07	3.68E-06
488863.09, 3864377.25	0.02742	0.005554	1.92E-06	5.81E-06	4.59E-06	3.97E-06	1.78E-06	6.42E-08	1.55E-06	1.09E-06	9.43E-07	2.81E-07	3.93E-06
489363.09, 3864377.25	0.02969	0.006014	2.08E-06	6.29E-06	4.97E-06	4.30E-06	1.93E-06	6.95E-08	1.68E-06	1.18E-06	1.02E-06	3.05E-07	4.25E-06
489863.09, 3864377.25	0.03223	0.006528	2.26E-06	6.82E-06	5.39E-06	4.66E-06	2.10E-06	7.55E-08	1.82E-06	1.28E-06	1.11E-06	3.31E-07	4.62E-06
490363.09, 3864377.25	0.03509	0.007108	2.46E-06	7.43E-06	5.87E-06	5.08E-06	2.28E-06	8.22E-08	1.98E-06	1.39E-06	1.21E-06	3.60E-07	5.03E-06
490863.09, 3864377.25	0.03762	0.00762	2.64E-06	7.96E-06	6.29E-06	5.44E-06	2.45E-06	8.81E-08	2.13E-06	1.49E-06	1.29E-06	3.86E-07	5.39E-06
491363.09, 3864377.25	0.02332	0.004724	1.64E-06	4.94E-06	3.90E-06	3.37E-06	1.52E-06	5.46E-08	1.32E-06	9.27E-07	8.02E-07	2.39E-07	3.34E-06
491863.09, 3864377.25	0.00276	0.000559	1.94E-07	5.84E-07	4.62E-07	3.99E-07	1.80E-07	6.46E-09	1.56E-07	1.10E-07	9.49E-08	2.83E-08	3.95E-07
492363.09, 3864377.25	0.00601	0.001217	4.21E-07	1.27E-06	1.01E-06	8.70E-07	3.91E-07	1.41E-08	3.40E-07	2.39E-07	2.07E-07	6.17E-08	8.61E-07
492863.09, 3864377.25	0.00325	0.000658	2.28E-07	6.88E-07	5.44E-07	4.70E-07	2.11E-07	7.61E-09	1.84E-07	1.29E-07	1.12E-07	3.34E-08	4.66E-07
493363.09, 3864377.25	0.00567	0.001148	3.98E-07	1.20E-06	9.48E-07	8.20E-07	3.69E-07	1.33E-08	3.21E-07	2.25E-07	1.95E-07	5.82E-08	8.12E-07
493863.09, 3864377.25	0.01148	0.002325	8.05E-07	2.43E-06	1.92E-06	1.66E-06	7.47E-07	2.69E-08	6.49E-07	4.56E-07	3.95E-07	1.18E-07	1.64E-06
494363.09, 3864377.25	0.01821	0.003689	1.28E-06	3.86E-06	3.05E-06	2.64E-06	1.18E-06	4.26E-08	1.03E-06	7.24E-07	6.26E-07	1.87E-07	2.61E-06
494863.09, 3864377.25	0.02717	0.005503	1.91E-06	5.75E-06	4.54E-06	3.93E-06	1.77E-06	6.36E-08	1.54E-06	1.08E-06	9.34E-07	2.79E-07	3.89E-06
495363.09, 3864377.25	0.03423	0.006933	2.40E-06	7.25E-06	5.72E-06	4.95E-06	2.23E-06	8.01E-08	1.94E-06	1.36E-06	1.18E-06	3.51E-07	4.90E-06
495863.09, 3864377.25	0.03704	0.007503	2.60E-06	7.84E-06	6.19E-06	5.36E-06	2.41E-06	8.67E-08	2.09E-06	1.47E-06	1.27E-06	3.80E-07	5.31E-06

496363.09, 3864377.25	0.04654	0.009427	3.26E-06	9.85E-06	7.78E-06	6.73E-06	3.03E-06	1.09E-07	2.63E-06	1.85E-06	1.60E-06	4.78E-07	6.67E-06
496863.09, 3864377.25	0.06073	0.012301	4.26E-06	1.29E-05	1.02E-05	8.79E-06	3.95E-06	1.42E-07	3.43E-06	2.41E-06	2.09E-06	6.23E-07	8.70E-06
497363.09, 3864377.25	0.09993	0.020241	7.01E-06	2.12E-05	1.67E-05	1.45E-05	6.50E-06	2.34E-07	5.65E-06	3.97E-06	3.44E-06	1.03E-06	1.43E-05
497863.09, 3864377.25	0.09952	0.020158	6.98E-06	2.11E-05	1.66E-05	1.44E-05	6.48E-06	2.33E-07	5.63E-06	3.95E-06	3.42E-06	1.02E-06	1.43E-05
498363.09, 3864377.25	0.13727	0.027805	9.62E-06	2.91E-05	2.30E-05	1.99E-05	8.93E-06	3.21E-07	7.76E-06	5.45E-06	4.72E-06	1.41E-06	1.97E-05
471363.09, 3864877.25	0.00353	0.000715	2.48E-07	7.47E-07	5.90E-07	5.11E-07	2.30E-07	8.27E-09	2.00E-07	1.40E-07	1.21E-07	3.62E-08	5.06E-07
471863.09, 3864877.25	0.00365	0.000739	2.56E-07	7.73E-07	6.10E-07	5.28E-07	2.37E-07	8.55E-09	2.06E-07	1.45E-07	1.25E-07	3.75E-08	5.23E-07
472363.09, 3864877.25	0.00384	0.000778	2.69E-07	8.13E-07	6.42E-07	5.56E-07	2.50E-07	8.99E-09	2.17E-07	1.53E-07	1.32E-07	3.94E-08	5.50E-07
472863.09, 3864877.25	0.00406	0.000822	2.85E-07	8.60E-07	6.79E-07	5.87E-07	2.64E-07	9.51E-09	2.30E-07	1.61E-07	1.40E-07	4.17E-08	5.82E-07
473363.09, 3864877.25	0.00449	0.000909	3.15E-07	9.51E-07	7.51E-07	6.50E-07	2.92E-07	1.05E-08	2.54E-07	1.78E-07	1.54E-07	4.61E-08	6.43E-07
473863.09, 3864877.25	0.00482	0.000976	3.38E-07	1.02E-06	8.06E-07	6.97E-07	3.14E-07	1.13E-08	2.73E-07	1.92E-07	1.66E-07	4.95E-08	6.91E-07
474363.09, 3864877.25	0.00504	0.001021	3.53E-07	1.07E-06	8.43E-07	7.29E-07	3.28E-07	1.18E-08	2.85E-07	2.00E-07	1.73E-07	5.17E-08	7.22E-07
474863.09, 3864877.25	0.00533	0.00108	3.74E-07	1.13E-06	8.91E-07	7.71E-07	3.47E-07	1.25E-08	3.01E-07	2.12E-07	1.83E-07	5.47E-08	7.64E-07
475363.09, 3864877.25	0.00563	0.00114	3.95E-07	1.19E-06	9.42E-07	8.15E-07	3.66E-07	1.32E-08	3.18E-07	2.24E-07	1.94E-07	5.78E-08	8.07E-07
475863.09, 3864877.25	0.00602	0.001219	4.22E-07	1.27E-06	1.01E-06	8.71E-07	3.92E-07	1.41E-08	3.40E-07	2.39E-07	2.07E-07	6.18E-08	8.63E-07
476363.09, 3864877.25	0.00628	0.001272	4.40E-07	1.33E-06	1.05E-06	9.09E-07	4.09E-07	1.47E-08	3.55E-07	2.50E-07	2.16E-07	6.45E-08	9.00E-07
476863.09, 3864877.25	0.00626	0.001268	4.39E-07	1.33E-06	1.05E-06	9.06E-07	4.07E-07	1.47E-08	3.54E-07	2.49E-07	2.15E-07	6.42E-08	8.97E-07
477363.09, 3864877.25	0.00682	0.001381	4.78E-07	1.44E-06	1.14E-06	9.87E-07	4.44E-07	1.60E-08	3.86E-07	2.71E-07	2.34E-07	7.00E-08	9.77E-07
477863.09, 3864877.25	0.00731	0.001481	5.13E-07	1.55E-06	1.22E-06	1.06E-06	4.76E-07	1.71E-08	4.13E-07	2.90E-07	2.51E-07	7.50E-08	1.05E-06
478363.09, 3864877.25	0.00783	0.001586	5.49E-07	1.66E-06	1.31E-06	1.13E-06	5.09E-07	1.83E-08	4.43E-07	3.11E-07	2.69E-07	8.04E-08	1.12E-06
478863.09, 3864877.25	0.0084	0.001701	5.89E-07	1.78E-06	1.40E-06	1.22E-06	5.47E-07	1.97E-08	4.75E-07	3.34E-07	2.89E-07	8.62E-08	1.20E-06
479363.09, 3864877.25	0.00898	0.001819	6.30E-07	1.90E-06	1.50E-06	1.30E-06	5.84E-07	2.10E-08	5.08E-07	3.57E-07	3.09E-07	9.22E-08	1.29E-06
479863.09, 3864877.25	0.00954	0.001932	6.69E-07	2.02E-06	1.60E-06	1.38E-06	6.21E-07	2.23E-08	5.40E-07	3.79E-07	3.28E-07	9.79E-08	1.37E-06
480363.09, 3864877.25	0.00988	0.002001	6.93E-07	2.09E-06	1.65E-06	1.43E-06	6.43E-07	2.31E-08	5.59E-07	3.93E-07	3.40E-07	1.01E-07	1.42E-06
480863.09, 3864877.25	0.01043	0.002113	7.31E-07	2.21E-06	1.74E-06	1.51E-06	6.79E-07	2.44E-08	5.90E-07	4.14E-07	3.59E-07	1.07E-07	1.49E-06
481363.09, 3864877.25	0.01083	0.002194	7.59E-07	2.29E-06	1.81E-06	1.57E-06	7.05E-07	2.54E-08	6.13E-07	4.30E-07	3.72E-07	1.11E-07	1.55E-06
481863.09, 3864877.25	0.01124	0.002277	7.88E-07	2.38E-06	1.88E-06	1.63E-06	7.31E-07	2.63E-08	6.36E-07	4.47E-07	3.86E-07	1.15E-07	1.61E-06
482363.09, 3864877.25	0.01161	0.002352	8.14E-07	2.46E-06	1.94E-06	1.68E-06	7.55E-07	2.72E-08	6.57E-07	4.61E-07	3.99E-07	1.19E-07	1.66E-06
482863.09, 3864877.25	0.01208	0.002447	8.47E-07	2.56E-06	2.02E-06	1.75E-06	7.86E-07	2.83E-08	6.83E-07	4.80E-07	4.15E-07	1.24E-07	1.73E-06
483363.09, 3864877.25	0.01271	0.002574	8.91E-07	2.69E-06	2.13E-06	1.84E-06	8.27E-07	2.98E-08	7.19E-07	5.05E-07	4.37E-07	1.30E-07	1.82E-06
483863.09, 3864877.25	0.01361	0.002757	9.54E-07	2.88E-06	2.28E-06	1.97E-06	8.86E-07	3.19E-08	7.70E-07	5.41E-07	4.68E-07	1.40E-07	1.95E-06
484363.09, 3864877.25	0.01449	0.002935	1.02E-06	3.07E-06	2.42E-06	2.10E-06	9.43E-07	3.39E-08	8.20E-07	5.76E-07	4.98E-07	1.49E-07	2.08E-06
484863.09, 3864877.25	0.0154	0.003119	1.08E-06	3.26E-06	2.58E-06	2.23E-06	1.00E-06	3.61E-08	8.71E-07	6.12E-07	5.29E-07	1.58E-07	2.21E-06
485363.09, 3864877.25	0.01609	0.003259	1.13E-06	3.41E-06	2.69E-06	2.33E-06	1.05E-06	3.77E-08	9.10E-07	6.39E-07	5.53E-07	1.65E-07	2.31E-06
485863.09, 3864877.25	0.01689	0.003421	1.18E-06	3.58E-06	2.82E-06	2.44E-06	1.10E-06	3.95E-08	9.55E-07	6.71E-07	5.81E-07	1.73E-07	2.42E-06
486363.09, 3864877.25	0.01766	0.003577	1.24E-06	3.74E-06	2.95E-06	2.56E-06	1.15E-06	4.13E-08	9.99E-07	7.02E-07	6.07E-07	1.81E-07	2.53E-06
486863.09, 3864877.25	0.01868	0.003784	1.31E-06	3.95E-06	3.12E-06	2.70E-06	1.22E-06	4.37E-08	1.06E-06	7.42E-07	6.42E-07	1.92E-07	2.68E-06
487363.09, 3864877.25	0.02011	0.004073	1.41E-06	4.26E-06	3.36E-06	2.91E-06	1.31E-06	4.71E-08	1.14E-06	7.99E-07	6.91E-07	2.06E-07	2.88E-06
487863.09, 3864877.25	0.02155	0.004365	1.51E-06	4.56E-06	3.60E-06	3.12E-06	1.40E-06	5.05E-08	1.22E-06	8.56E-07	7.41E-07	2.21E-07	3.09E-06
488363.09, 3864877.25	0.02297	0.004653	1.61E-06	4.86E-06	3.84E-06	3.32E-06	1.49E-06	5.38E-08	1.30E-06	9.13E-07	7.90E-07	2.36E-07	3.29E-06
488863.09, 3864877.25	0.02442	0.004946	1.71E-06	5.17E-06	4.08E-06	3.53E-06	1.59E-06	5.72E-08	1.38E-06	9.70E-07	8.40E-07	2.51E-07	3.50E-06
489363.09, 3864877.25	0.0259	0.005246	1.82E-06	5.48E-06	4.33E-06	3.75E-06	1.69E-06	6.06E-08	1.46E-06	1.03E-06	8.90E-07	2.66E-07	3.71E-06
489863.09, 3864877.25	0.02761	0.005593	1.94E-06	5.85E-06	4.62E-06	4.00E-06	1.80E-06	6.46E-08	1.56E-06	1.10E-06	9.49E-07	2.83E-07	3.96E-06
490363.09, 3864877.25	0.02918	0.005911	2.05E-06	6.18E-06	4.88E-06	4.22E-06	1.90E-06	6.83E-08	1.65E-06	1.16E-06	1.00E-06	2.99E-07	4.18E-06
490863.09, 3864877.25	0.0094	0.001904	6.59E-07	1.99E-06	1.57E-06	1.36E-06	6.12E-07	2.20E-08	5.32E-07	3.74E-07	3.23E-07	9.65E-08	1.35E-06
491363.09, 3864877.25	0.02076	0.004205	1.46E-06	4.40E-06	3.47E-06	3.00E-06	1.35E-06	4.86E-08	1.17E-06	8.25E-07	7.14E-07	2.13E-07	2.97E-06
491863.09, 3864877.25	0.0091	0.001843	6.38E-07	1.93E-06	1.52E-06	1.32E-06	5.92E-07	2.13E-08	5.15E-07	3.62E-07	3.13E-07	9.34E-08	1.30E-06
492363.09, 3864877.25	0.0018	0.000365	1.26E-07	3.81E-07	3.01E-07	2.60E-07	1.17E-07	4.21E-09	1.02E-07	7.15E-08	6.19E-08	1.85E-08	2.58E-07
492863.09, 3864877.25	0.00224	0.000454	1.57E-07	4.74E-07	3.75E-07	3.24E-07	1.46E-07	5.24E-09	1.27E-07	8.90E-08	7.70E-08	2.30E-08	3.21E-07
493363.09, 3864877.25	0.00232	0.00047	1.63E-07	4.91E-07	3.88E-07	3.36E-07	1.51E-07	5.43E-09	1.31E-07	9.22E-08	7.98E-08	2.38E-08	3.32E-07
493863.09, 3864877.25	0.00617	0.00125	4.33E-07	1.31E-06	1.03E-06	8.93E-07	4.01E-07	1.44E-08	3.49E-07	2.45E-07	2.12E-07	6.33E-08	8.84E-07
494363.09, 3864877.25	0.01274	0.002581	8.93E-07	2.70E-06	2.13E-06	1.84E-06	8.29E-07	2.98E-08	7.21E-07	5.06E-07	4.38E-07	1.31E-07	1.83E-06
494863.09, 3864877.25	0.01635	0.003312	1.15E-06	3.46E-06	2.73E-06	2.37E-06	1.06E-06	3.83E-08	9.25E-07	6.50E-07	5.62E-07	1.68E-07	2.34E-06
495363.09, 3864877.25	0.02134	0.004322	1.50E-06	4.52E-06	3.57E-06	3.09E-06	1.39E-06	5.00E-08	1.21E-06	8.48E-07	7.34E-07	2.19E-07	3.06E-06
495863.09, 3864877.25	0.03472	0.007033	2.43E-06	7.35E-06	5.81E-06	5.02E-06	2.26E-06	8.13E-08	1.96E-06	1.38E-06	1.19E-06	3.56E-07	4.97E-06
496363.09, 3864877.25	0.02874	0.005821	2.02E-06	6.08E-06	4.81E-06	4.16E-06	1.87E-06	6.73E-08	1.63E-06	1.14E-06	9.88E-07	2.95E-07	4.12E-06
496863.09, 3864877.25	0.0325	0.006583	2.28E-06	6.88E-06	5.44E-06	4.70E-06	2.11E-06	7.61E-08	1.84E-06	1.29E-06	1.12E-06	3.34E-07	4.66E-06
497363.09, 3864877.25	0.04488	0.009091	3.15E-06	9.50E-06	7.51E-06	6.49E-06	2.92E-06	1.05E-07	2.54E-06	1.78E-06	1.54E-06	4.61E-07	6.43E-06
497863.09, 3864877.25	0.05403	0.010944	3.79E-06	1.14E-05	9.04E-06	7.82E-06	3.52E-06	1.27E-07	3.06E-06	2.15E-06	1.86E-06	5.55E-07	7.74E-06
498363.09, 3864877.25	0.07889	0.015979	5.53E-06	1.67E-05	1.32E-05	1.14E-05	5.13E-06	1.85E-07	4.46E-06	3.13E-06	2.71E-06	8.10E-07	1.13E-05
471363.09, 3865377.25	0.00391	0.000792	2.74E-07	8.28E-07	6.54E-07	5.66E-07	2.54E-07	9.15E-09	2.21E-07	1.55E-07	1.34E-07	4.01E-08	5.60E-07
471863.09, 3865377.25	0.00409	0.000828	2.87E-07	8.66E-07	6.84E-07	5.92E-07	2.66E-07	9.58E-09	2.31E-07	1.63E-07	1.41E-07	4.20E-08	5.86E-07
472363.09, 3865377.25	0.00433	0.000877	3.04E-07	9.17E-07	7.24E-07	6.27E-07	2.82E-07	1.01E-08	2.45E-07	1.72E-07	1.49E-07	4.44E-08	6.20E-07
472863.09, 3865377.25	0.00443	0.000897	3.11E-07	9.38E-07	7.41E-07	6.41E-07	2.88E-07	1.04E-08	2.51E-07	1.76E-07	1.52E-07	4.55E-08	6.35E-07
473363.09, 3865377.25	0.00498	0.001009	3.49E-07	1.05E-06	8.33E-07	7.21E-07	3.24E-07	1.17E-08	2.82E-07	1.98E-07	1.71E-07	5.11E-08	7.14E-07
473863.09, 3865377.25	0.00533	0.00108	3.74E-07	1.13E-06	8.91E-07	7.71E-07	3.47E-07	1.25E-08	3.01E-07	2.12E-07	1.83E-07	5.47E-08	7.64E-07
474363.09, 3865377.25	0.00561	0.001136	3.93E-07	1.19E-06	9.38E-07	8.12E-07	3.65E-07	1.31E-08	3.17E-07	2.23E-07	1.93E-07	5.76E-08	8.04E-07
474863.09, 3865377.25	0.00579	0.001173	4.06E-07	1.23E-06	9.68E-07	8.38E-07	3.77E-07	1.36E-08	3.27E-07	2.30E-07	1.99E-07	5.94E-08	8.30E-07
475363.09, 3865377.25	0.00622	0.00126	4.36E-07	1.32E-06	1.04E-06	9.00E-07	4.05E-07	1.46E-08	3.52E-07	2.47E-07	2.14E-07	6.38E-08	8.91E-07
475863.09, 3865377.25	0.00646	0.001308	4.53E-07	1.37E-06	1.08E-06	9.35E-07	4.20E-07	1.51E-08	3.65E-07	2.57E-07	2.22E-07	6.63E-08	9.26E-07
476363.09, 3865377.25	0.00543	0.0011	3.81E-07	1.15E-06	9.08E-07	7.86E-07	3.53E-07	1.27E-08	3.07E-07	2.16E-07	1.87E-07	5.57E-08	7.78E-07
476863.09, 3865377.25	0.00335	0.000679	2.35E-07	7.09E-07	5.60E-07	4.85E-07	2.18E-07	7.84E-09	1.89E-07	1.33E-07	1.15E-07	3.44E-08	4.80E-07
477363.09, 3865377.25	0.00622	0.00126	4.36E-07	1.32E-06	1.04E-06	9.00E-07	4.05E-07	1.46E-08	3.52E-07	2.47E-07	2.14E-07	6.38E-08	8.91E-07
477863.09, 3865377.25	0.00759	0.001537	5.32E-07	1.61E-06	1.27E-06	1.10E-06	4.94E-07	1.78E-08	4.29E-07	3.02E-07	2.61E-07	7.79E-08	1.09E-06
478363.09, 3865377.25	0.00794	0.001608	5.57E-07	1.68E-06	1.33E-06	1.15E-06	5.17E-07	1.86E-08	4.49E-07	3.15E-07	2.73E-07	8.15E-08	1.14E-06
478863.09, 3865377.25	0.00841	0.001703	5.90E-07	1.78E-06	1.41E-06	1.22E-06	5.47E-07	1.97E-08	4.76E-07	3.34E-07	2.89E-07	8.63E-08	1.20E-06
479363.09, 3865377.25	0.00873	0.001768	6.12E-07	1.85E-06	1.46E-06	1.26E-06	5.68E-07	2.04E-08	4.94E-07	3.47E-07	3.00E-07	8.96E-08	1.25E-06
479863.09, 3865377.25	0.00888	0.001799	6.23E-07	1.88E-06	1.49E-06	1.28E-06	5.78E-07	2.08E-08	5.02E-07	3.53E-07	3.05E-07	9.11E-08	1.27E-06
480363.09, 3865377.25	0.00922	0.001868	6.46E-07	1.95E-06	1.54E-06	1.33E-06	6.00E-07	2.16E-08	5.21E-07	3.66E-07	3.17E-07	9.46E-08	1.32E-06
480863.09, 3865377.25	0.00958	0.00194	6.72E-07	2.03E-06	1.60E-06	1.39E-06	6.23E-07	2.24E-08	5.42E-07	3.81E-07	3.29E-07	9.83E-08	1.37E-06
481363.09, 3865377.25	0.01	0.002026	7.01E-07	2.12E-06	1.67E-06	1.45E-06	6.51E-07	2.34E-08	5.66E-07	3.97E-07	3.44E-07	1.03E-07	1.43E-06
481863.09, 3865377.25	0.01055	0.002137	7.40E-07	2.23E-06	1.76E-06	1.53E-06	6.86E-07	2.47E-08	5.97E-07	4.19E-07	3.63E-07	1.08E-07	1.51E-06
482363.09, 3865377.25	0.01115	0.002258	7.82E-07	2.36E-06	1.86E-06	1.61E-06	7.25E-07	2.61E-08	6.31E-07	4.43E-07	3.83E-07	1.14E-07	1.60E-06
482863.09, 3865377.25	0.01183	0.002396	8.29E-07	2.50E-06	1.98E-06	1.71E-06	7.70E-07	2.77E-08	6.69E-07	4.70E-07	4.07E-07	1.21E-07	1.69E-06
483363.09, 3865377.25	0.0125	0.002532	8.76E-07	2.65E-06	2.09E-06	1.81E-06	8.13E-07	2.93E-08	7.07E-07	4.97E-07	4.30E-07	1.28E-07	1.79E-06
483863.09, 3865377.25	0.01309	0.002651	9.18E-07	2.77E-06	2.19E-06	1.89E-06	8.52E-07	3.06E-08	7.40E-07	5.20E-07	4.50E-07	1.34E-07	1.88E-06
484363.09, 3865377.25	0.01355	0.002745	9.50E-07	2.87E-06	2.27E-06	1.96E-06	8.82E-07	3.17E-08	7.66E-07	5.38E-07	4.66E-07	1.39E-07	1.94E-06
484863.09, 3865377.25	0.01396	0.002828	9.79E-07	2.96E-06	2.33E-06	2.02E-06	9.08E-07	3.27E-08	7.90E-07	5.55E-07	4.80E-07	1.43E-07	2.00E-06
485363.09, 3865377.25	0.01449	0.002935	1.02E-06	3.07E-06	2.42E-06	2.10E-06	9.43E-07	3.39E-08	8.20E-07	5.76E-07	4.98E-07	1.49E-07	2.08E-06
485863.09, 3865377.25	0.01534	0.003107	1.08E-06	3.25E-06	2.57E-06	2.22E-06	9.98E-07	3.59E-08	8.68E-07	6.10E-07	5.27E-07	1.57E-07	2.20E-06
486363.09, 3865377.25	0.01631	0.003304	1.14E-06	3.45E-06	2.73E-06	2.36E-06	1.06E-06	3.82E-08	9.22E-07	6.48E-07	5.61E-07	1.67E-07	2.34E-06
486863.09, 3865377.25	0.01759	0.003563	1.23E-06	3.72E-06	2.94E-06	2.55E-06	1.14E-06	4.12E-08	9.95E-07	6.99E-07	6.05E-07	1.81E-07	2.52E-06
487363.09, 3865377.25	0.01884	0.003816	1.32E-06	3.99E-06	3.15E-06	2.73E-06	1.23E-06	4.41E-08	1.07E-06	7.49E-07	6.48E-07	1.93E-07	2.70E-06
487863.09, 3865377.25	0.01979	0.004009	1.39E-06	4.19E-06	3.31E-06	2.86E-06	1.29E-06	4.63E-08	1.12E-06	7.86E-07	6.80E-07	2.03E-07	2.84E-06
488363.09, 3865377.25	0.02022	0.004096	1.42E-06	4.28E-06	3.38E-06	2.93E-06	1.32E-06	4.73E-08	1.14E-06	8.03E-07	6.95E-07	2.08E-07	2.90E-06
488863.09, 3865377.25	0.02061	0.004175	1.45E-06	4.36E-06	3.45E-06	2.98E-06	1.34E-06	4.83E-08	1.17E-06	8.19E-07	7.09E-07	2.12E-07	2.95E-06
489363.09, 3865377.25	0.02148	0.004351	1.51E-06	4.55E-06	3.59E-06	3.11E-06	1.40E-06	5.03E-08	1.21E-06	8.53E-07	7.39E-07	2.20E-07	3.08E-06
489863.09, 3865377.25	0.02224	0.004505	1.56E-06	4.71E-06	3.72E-06	3.22E-06	1.45E-06	5.21E-08	1.26E-06	8.84E-07	7.65E-07	2.28E-07	3.19E-06
490363.09, 3865377.25	0.01005	0.002036	7.05E-07	2.13E-06	1.68E-06	1.45E-06	6.54E-07	2.35E-08	5.68E-07	3.99E-07	3.46E-07	1.03E-07	1.44E-06

490863.09, 3865377.25	0.00891	0.001805	6.25E-07	1.89E-06	1.49E-06	1.29E-06	5.80E-07	2.09E-08	5.04E-07	3.54E-07	3.06E-07	9.14E-08	1.28E-06
491363.09, 3865377.25	0.00816	0.001653	5.72E-07	1.73E-06	1.36E-06	1.18E-06	5.31E-07	1.91E-08	4.62E-07	3.24E-07	2.81E-07	8.37E-08	1.17E-06
491863.09, 3865377.25	0.00807	0.001635	5.66E-07	1.71E-06	1.35E-06	1.17E-06	5.25E-07	1.89E-08	4.56E-07	3.21E-07	2.77E-07	8.28E-08	1.16E-06
492363.09, 3865377.25	0.00383	0.000776	2.69E-07	8.11E-07	6.40E-07	5.54E-07	2.49E-07	8.97E-09	2.17E-07	1.52E-07	1.32E-07	3.93E-08	5.49E-07
492863.09, 3865377.25	0.00251	0.000508	1.76E-07	5.31E-07	4.20E-07	3.63E-07	1.63E-07	5.88E-09	1.42E-07	9.97E-08	8.63E-08	2.58E-08	3.60E-07
493363.09, 3865377.25	0.00211	0.000427	1.48E-07	4.47E-07	3.53E-07	3.05E-07	1.37E-07	4.94E-09	1.19E-07	8.38E-08	7.25E-08	2.17E-08	3.02E-07
493863.09, 3865377.25	0.00323	0.000654	2.26E-07	6.84E-07	5.40E-07	4.67E-07	2.10E-07	7.56E-09	1.83E-07	1.28E-07	1.11E-07	3.31E-08	4.63E-07
494363.09, 3865377.25	0.00621	0.001258	4.35E-07	1.31E-06	1.04E-06	8.99E-07	4.04E-07	1.45E-08	3.51E-07	2.47E-07	2.14E-07	6.37E-08	8.90E-07
494863.09, 3865377.25	0.01035	0.002096	7.26E-07	2.19E-06	1.73E-06	1.50E-06	6.73E-07	2.42E-08	5.85E-07	4.11E-07	3.56E-07	1.06E-07	1.48E-06
495363.09, 3865377.25	0.01151	0.002331	8.07E-07	2.44E-06	1.92E-06	1.67E-06	7.49E-07	2.69E-08	6.51E-07	4.57E-07	3.96E-07	1.18E-07	1.65E-06
495863.09, 3865377.25	0.01914	0.003877	1.34E-06	4.05E-06	3.20E-06	2.77E-06	1.25E-06	4.48E-08	1.08E-06	7.61E-07	6.58E-07	1.96E-07	2.74E-06
496363.09, 3865377.25	0.01644	0.00333	1.15E-06	3.48E-06	2.75E-06	2.38E-06	1.07E-06	3.85E-08	9.30E-07	6.53E-07	5.65E-07	1.69E-07	2.36E-06
496863.09, 3865377.25	0.01687	0.003417	1.18E-06	3.57E-06	2.82E-06	2.44E-06	1.10E-06	3.95E-08	9.54E-07	6.70E-07	5.80E-07	1.73E-07	2.42E-06
497363.09, 3865377.25	0.02571	0.005208	1.80E-06	5.44E-06	4.30E-06	3.72E-06	1.67E-06	6.02E-08	1.45E-06	1.02E-06	8.84E-07	2.64E-07	3.68E-06
497863.09, 3865377.25	0.03258	0.006599	2.28E-06	6.90E-06	5.45E-06	4.71E-06	2.12E-06	7.63E-08	1.84E-06	1.29E-06	1.12E-06	3.34E-07	4.67E-06
498363.09, 3865377.25	0.03095	0.006269	2.17E-06	6.55E-06	5.18E-06	4.48E-06	2.01E-06	7.25E-08	1.75E-06	1.23E-06	1.06E-06	3.18E-07	4.43E-06
471363.09, 3865877.25	0.00429	0.000869	3.01E-07	9.08E-07	7.17E-07	6.21E-07	2.79E-07	1.00E-08	2.43E-07	1.70E-07	1.47E-07	4.40E-08	6.15E-07
471863.09, 3865877.25	0.00454	0.00092	3.18E-07	9.61E-07	7.59E-07	6.57E-07	2.95E-07	1.06E-08	2.57E-07	1.80E-07	1.56E-07	4.66E-08	6.50E-07
472363.09, 3865877.25	0.00439	0.000889	3.08E-07	9.29E-07	7.34E-07	6.35E-07	2.86E-07	1.03E-08	2.48E-07	1.74E-07	1.51E-07	4.51E-08	6.29E-07
472863.09, 3865877.25	0.00503	0.001019	3.53E-07	1.06E-06	8.41E-07	7.28E-07	3.27E-07	1.18E-08	2.84E-07	2.00E-07	1.73E-07	5.16E-08	7.21E-07
473363.09, 3865877.25	0.00538	0.00109	3.77E-07	1.14E-06	9.00E-07	7.78E-07	3.50E-07	1.26E-08	3.04E-07	2.14E-07	1.85E-07	5.52E-08	7.71E-07
473863.09, 3865877.25	0.00557	0.001128	3.91E-07	1.18E-06	9.31E-07	8.06E-07	3.62E-07	1.30E-08	3.15E-07	2.21E-07	1.92E-07	5.72E-08	7.98E-07
474363.09, 3865877.25	0.00583	0.001181	4.09E-07	1.23E-06	9.75E-07	8.44E-07	3.79E-07	1.37E-08	3.30E-07	2.32E-07	2.00E-07	5.98E-08	8.35E-07
474863.09, 3865877.25	0.00596	0.001207	4.18E-07	1.26E-06	9.97E-07	8.62E-07	3.88E-07	1.40E-08	3.37E-07	2.37E-07	2.05E-07	6.12E-08	8.54E-07
475363.09, 3865877.25	0.00625	0.001266	4.38E-07	1.32E-06	1.05E-06	9.04E-07	4.07E-07	1.46E-08	3.53E-07	2.48E-07	2.15E-07	6.41E-08	8.95E-07
475863.09, 3865877.25	0.00639	0.001294	4.48E-07	1.35E-06	1.07E-06	9.25E-07	4.16E-07	1.50E-08	3.61E-07	2.54E-07	2.20E-07	6.56E-08	9.16E-07
476363.09, 3865877.25	0.00446	0.000903	3.13E-07	9.44E-07	7.46E-07	6.45E-07	2.90E-07	1.04E-08	2.52E-07	1.77E-07	1.53E-07	4.58E-08	6.39E-07
476863.09, 3865877.25	0.00328	0.000664	2.30E-07	6.94E-07	5.49E-07	4.75E-07	2.13E-07	7.68E-09	1.86E-07	1.30E-07	1.13E-07	3.37E-08	4.70E-07
477363.09, 3865877.25	0.00545	0.001104	3.82E-07	1.15E-06	9.11E-07	7.89E-07	3.55E-07	1.28E-08	3.08E-07	2.17E-07	1.87E-07	5.59E-08	7.81E-07
477863.09, 3865877.25	0.00692	0.001402	4.85E-07	1.47E-06	1.16E-06	1.00E-06	4.50E-07	1.62E-08	3.91E-07	2.75E-07	2.38E-07	7.10E-08	9.91E-07
478363.09, 3865877.25	0.00723	0.001464	5.07E-07	1.53E-06	1.21E-06	1.05E-06	4.70E-07	1.69E-08	4.09E-07	2.87E-07	2.49E-07	7.42E-08	1.04E-06
478863.09, 3865877.25	0.00754	0.001527	5.29E-07	1.60E-06	1.26E-06	1.09E-06	4.91E-07	1.77E-08	4.26E-07	3.00E-07	2.59E-07	7.74E-08	1.08E-06
479363.09, 3865877.25	0.00786	0.001592	5.51E-07	1.66E-06	1.31E-06	1.14E-06	5.11E-07	1.84E-08	4.45E-07	3.12E-07	2.70E-07	8.07E-08	1.13E-06
479863.09, 3865877.25	0.00831	0.001683	5.83E-07	1.76E-06	1.39E-06	1.20E-06	5.41E-07	1.95E-08	4.70E-07	3.30E-07	2.86E-07	8.53E-08	1.19E-06
480363.09, 3865877.25	0.00881	0.001784	6.18E-07	1.87E-06	1.47E-06	1.27E-06	5.73E-07	2.06E-08	4.98E-07	3.50E-07	3.03E-07	9.04E-08	1.26E-06
480863.09, 3865877.25	0.00933	0.00189	6.54E-07	1.98E-06	1.56E-06	1.35E-06	6.07E-07	2.18E-08	5.28E-07	3.71E-07	3.21E-07	9.58E-08	1.34E-06
481363.09, 3865877.25	0.00986	0.001997	6.91E-07	2.09E-06	1.65E-06	1.43E-06	6.42E-07	2.31E-08	5.58E-07	3.92E-07	3.39E-07	1.01E-07	1.41E-06
481863.09, 3865877.25	0.01034	0.002094	7.25E-07	2.19E-06	1.73E-06	1.50E-06	6.73E-07	2.42E-08	5.85E-07	4.11E-07	3.55E-07	1.06E-07	1.48E-06
482363.09, 3865877.25	0.01085	0.002198	7.61E-07	2.30E-06	1.81E-06	1.57E-06	7.06E-07	2.54E-08	6.14E-07	4.31E-07	3.73E-07	1.11E-07	1.55E-06
482863.09, 3865877.25	0.01127	0.002283	7.90E-07	2.39E-06	1.88E-06	1.63E-06	7.33E-07	2.64E-08	6.37E-07	4.48E-07	3.87E-07	1.16E-07	1.61E-06
483363.09, 3865877.25	0.01169	0.002368	8.20E-07	2.47E-06	1.95E-06	1.69E-06	7.61E-07	2.74E-08	6.61E-07	4.64E-07	4.02E-07	1.20E-07	1.67E-06
483863.09, 3865877.25	0.01184	0.002398	8.30E-07	2.51E-06	1.98E-06	1.71E-06	7.70E-07	2.77E-08	6.70E-07	4.70E-07	4.07E-07	1.22E-07	1.70E-06
484363.09, 3865877.25	0.01232	0.002495	8.64E-07	2.61E-06	2.06E-06	1.78E-06	8.02E-07	2.88E-08	6.97E-07	4.90E-07	4.24E-07	1.26E-07	1.77E-06
484863.09, 3865877.25	0.01307	0.002647	9.16E-07	2.77E-06	2.19E-06	1.89E-06	8.50E-07	3.06E-08	7.39E-07	5.19E-07	4.49E-07	1.34E-07	1.87E-06
485363.09, 3865877.25	0.01389	0.002813	9.74E-07	2.94E-06	2.32E-06	2.01E-06	9.04E-07	3.25E-08	7.86E-07	5.52E-07	4.78E-07	1.43E-07	1.99E-06
485863.09, 3865877.25	0.01479	0.002996	1.04E-06	3.13E-06	2.47E-06	2.14E-06	9.62E-07	3.46E-08	8.36E-07	5.88E-07	5.08E-07	1.52E-07	2.12E-06
486363.09, 3865877.25	0.01566	0.003172	1.10E-06	3.32E-06	2.62E-06	2.27E-06	1.02E-06	3.67E-08	8.86E-07	6.22E-07	5.38E-07	1.61E-07	2.24E-06
486863.09, 3865877.25	0.01625	0.003291	1.14E-06	3.44E-06	2.72E-06	2.35E-06	1.06E-06	3.80E-08	9.19E-07	6.46E-07	5.59E-07	1.67E-07	2.33E-06
487363.09, 3865877.25	0.01646	0.003334	1.15E-06	3.48E-06	2.75E-06	2.38E-06	1.07E-06	3.85E-08	9.31E-07	6.54E-07	5.66E-07	1.69E-07	2.36E-06
487863.09, 3865877.25	0.01645	0.003332	1.15E-06	3.48E-06	2.75E-06	2.38E-06	1.07E-06	3.85E-08	9.30E-07	6.54E-07	5.66E-07	1.69E-07	2.36E-06
488363.09, 3865877.25	0.01718	0.00348	1.20E-06	3.64E-06	2.87E-06	2.49E-06	1.12E-06	4.02E-08	9.72E-07	6.83E-07	5.91E-07	1.76E-07	2.46E-06
488863.09, 3865877.25	0.01804	0.003654	1.26E-06	3.82E-06	3.02E-06	2.61E-06	1.17E-06	4.22E-08	1.02E-06	7.17E-07	6.20E-07	1.85E-07	2.58E-06
489363.09, 3865877.25	0.01898	0.003844	1.33E-06	4.02E-06	3.17E-06	2.75E-06	1.23E-06	4.44E-08	1.07E-06	7.54E-07	6.53E-07	1.95E-07	2.72E-06
489863.09, 3865877.25	0.02025	0.004102	1.42E-06	4.29E-06	3.39E-06	2.93E-06	1.32E-06	4.74E-08	1.15E-06	8.05E-07	6.96E-07	2.08E-07	2.90E-06
490363.09, 3865877.25	0.01594	0.003229	1.12E-06	3.37E-06	2.67E-06	2.31E-06	1.04E-06	3.73E-08	9.02E-07	6.33E-07	5.48E-07	1.64E-07	2.28E-06
490863.09, 3865877.25	0.0092	0.001863	6.45E-07	1.95E-06	1.54E-06	1.33E-06	5.99E-07	2.15E-08	5.20E-07	3.66E-07	3.16E-07	9.44E-08	1.32E-06
491363.09, 3865877.25	0.00638	0.001292	4.47E-07	1.35E-06	1.07E-06	9.23E-07	4.15E-07	1.49E-08	3.61E-07	2.54E-07	2.19E-07	6.55E-08	9.14E-07
491863.09, 3865877.25	0.00716	0.00145	5.02E-07	1.52E-06	1.20E-06	1.04E-06	4.66E-07	1.68E-08	4.05E-07	2.84E-07	2.46E-07	7.35E-08	1.03E-06
492363.09, 3865877.25	0.00595	0.001205	4.17E-07	1.26E-06	9.95E-07	8.61E-07	3.87E-07	1.39E-08	3.37E-07	2.36E-07	2.05E-07	6.11E-08	8.52E-07
492863.09, 3865877.25	0.00278	0.000563	1.95E-07	5.89E-07	4.65E-07	4.02E-07	1.81E-07	6.51E-09	1.57E-07	1.10E-07	9.56E-08	2.85E-08	3.98E-07
493363.09, 3865877.25	0.00246	0.000498	1.72E-07	5.21E-07	4.11E-07	3.56E-07	1.60E-07	5.76E-09	1.39E-07	9.77E-08	8.46E-08	2.52E-08	3.52E-07
493863.09, 3865877.25	0.00356	0.000721	2.50E-07	7.54E-07	5.95E-07	5.15E-07	2.32E-07	8.34E-09	2.01E-07	1.41E-07	1.22E-07	3.65E-08	5.10E-07
494363.09, 3865877.25	0.00558	0.00113	3.91E-07	1.18E-06	9.33E-07	8.07E-07	3.63E-07	1.31E-08	3.16E-07	2.22E-07	1.92E-07	5.73E-08	7.99E-07
494863.09, 3865877.25	0.01066	0.002159	7.47E-07	2.26E-06	1.78E-06	1.54E-06	6.94E-07	2.50E-08	6.03E-07	4.24E-07	3.67E-07	1.09E-07	1.53E-06
495363.09, 3865877.25	0.01133	0.002295	7.94E-07	2.40E-06	1.89E-06	1.64E-06	7.37E-07	2.65E-08	6.41E-07	4.50E-07	3.90E-07	1.16E-07	1.62E-06
495863.09, 3865877.25	0.01033	0.002092	7.24E-07	2.19E-06	1.73E-06	1.49E-06	6.72E-07	2.42E-08	5.84E-07	4.10E-07	3.55E-07	1.06E-07	1.48E-06
496363.09, 3865877.25	0.0094	0.001904	6.59E-07	1.99E-06	1.57E-06	1.36E-06	6.12E-07	2.20E-08	5.32E-07	3.74E-07	3.23E-07	9.65E-08	1.35E-06
496863.09, 3865877.25	0.0088	0.001782	6.17E-07	1.86E-06	1.47E-06	1.27E-06	5.73E-07	2.06E-08	4.98E-07	3.50E-07	3.03E-07	9.03E-08	1.26E-06
497363.09, 3865877.25	0.01238	0.002508	8.68E-07	2.62E-06	2.07E-06	1.79E-06	8.06E-07	2.90E-08	7.00E-07	4.92E-07	4.26E-07	1.27E-07	1.77E-06
497863.09, 3865877.25	0.01553	0.003146	1.09E-06	3.29E-06	2.60E-06	2.25E-06	1.01E-06	3.64E-08	8.78E-07	6.17E-07	5.34E-07	1.59E-07	2.23E-06
498363.09, 3865877.25	0.01454	0.002945	1.02E-06	3.08E-06	2.43E-06	2.10E-06	9.46E-07	3.40E-08	8.22E-07	5.78E-07	5.00E-07	1.49E-07	2.08E-06
471363.09, 3866377.25	0.00449	0.000909	3.15E-07	9.51E-07	7.51E-07	6.50E-07	2.92E-07	1.05E-08	2.54E-07	1.78E-07	1.54E-07	4.61E-08	6.43E-07
471863.09, 3866377.25	0.00447	0.000905	3.13E-07	9.46E-07	7.48E-07	6.47E-07	2.91E-07	1.05E-08	2.53E-07	1.78E-07	1.54E-07	4.59E-08	6.40E-07
472363.09, 3866377.25	0.00467	0.000946	3.27E-07	9.89E-07	7.81E-07	6.76E-07	3.04E-07	1.09E-08	2.64E-07	1.86E-07	1.61E-07	4.79E-08	6.69E-07
472863.09, 3866377.25	0.00519	0.001051	3.64E-07	1.10E-06	8.68E-07	7.51E-07	3.38E-07	1.22E-08	2.94E-07	2.06E-07	1.78E-07	5.33E-08	7.44E-07
473363.09, 3866377.25	0.00535	0.001084	3.75E-07	1.13E-06	8.95E-07	7.74E-07	3.48E-07	1.25E-08	3.03E-07	2.13E-07	1.84E-07	5.49E-08	7.67E-07
473863.09, 3866377.25	0.00556	0.001126	3.90E-07	1.18E-06	9.30E-07	8.05E-07	3.62E-07	1.30E-08	3.14E-07	2.21E-07	1.91E-07	5.71E-08	7.97E-07
474363.09, 3866377.25	0.00573	0.001161	4.02E-07	1.21E-06	9.58E-07	8.29E-07	3.73E-07	1.34E-08	3.24E-07	2.28E-07	1.97E-07	5.88E-08	8.21E-07
474863.09, 3866377.25	0.00579	0.001173	4.06E-07	1.23E-06	9.68E-07	8.38E-07	3.77E-07	1.36E-08	3.27E-07	2.30E-07	1.99E-07	5.94E-08	8.30E-07
475363.09, 3866377.25	0.00591	0.001197	4.14E-07	1.25E-06	9.88E-07	8.55E-07	3.85E-07	1.38E-08	3.34E-07	2.35E-07	2.03E-07	6.07E-08	8.47E-07
475863.09, 3866377.25	0.00601	0.001217	4.21E-07	1.27E-06	1.01E-06	8.70E-07	3.91E-07	1.41E-08	3.40E-07	2.39E-07	2.07E-07	6.17E-08	8.61E-07
476363.09, 3866377.25	0.00459	0.00093	3.22E-07	9.72E-07	7.68E-07	6.64E-07	2.99E-07	1.07E-08	2.60E-07	1.82E-07	1.58E-07	4.71E-08	6.58E-07
476863.09, 3866377.25	0.00264	0.000535	1.85E-07	5.59E-07	4.41E-07	3.82E-07	1.72E-07	6.18E-09	1.49E-07	1.05E-07	9.08E-08	2.71E-08	3.78E-07
477363.09, 3866377.25	0.0039	0.00079	2.73E-07	8.26E-07	6.52E-07	5.64E-07	2.54E-07	9.13E-09	2.21E-07	1.55E-07	1.34E-07	4.00E-08	5.59E-07
477863.09, 3866377.25	0.00607	0.00123	4.26E-07	1.29E-06	1.02E-06	8.78E-07	3.95E-07	1.42E-08	3.43E-07	2.41E-07	2.09E-07	6.23E-08	8.70E-07
478363.09, 3866377.25	0.00692	0.001402	4.85E-07	1.47E-06	1.16E-06	1.00E-06	4.50E-07	1.62E-08	3.91E-07	2.75E-07	2.38E-07	7.10E-08	9.91E-07
478863.09, 3866377.25	0.0074	0.001499	5.19E-07	1.57E-06	1.24E-06	1.07E-06	4.81E-07	1.73E-08	4.19E-07	2.94E-07	2.54E-07	7.59E-08	1.06E-06
479363.09, 3866377.25	0.00784	0.001588	5.50E-07	1.66E-06	1.31E-06	1.13E-06	5.10E-07	1.84E-08	4.43E-07	3.12E-07	2.70E-07	8.05E-08	1.12E-06
479863.09, 3866377.25	0.00822	0.001665	5.76E-07	1.74E-06	1.37E-06	1.19E-06	5.35E-07	1.92E-08	4.65E-07	3.27E-07	2.83E-07	8.44E-08	1.18E-06
480363.09, 3866377.25	0.00859	0.00174	6.02E-07	1.82E-06	1.44E-06	1.24E-06	5.59E-07	2.01E-08	4.86E-07	3.41E-07	2.95E-07	8.82E-08	1.23E-06
480863.09, 3866377.25	0.00894	0.001811	6.27E-07	1.89E-06	1.50E-06	1.29E-06	5.82E-07	2.09E-08	5.06E-07	3.55E-07	3.07E-07	9.18E-08	1.28E-06
481363.09, 3866377.25	0.00921	0.001866	6.46E-07	1.95E-06	1.54E-06	1.33E-06	5.99E-07	2.16E-08	5.21E-07	3.66E-07	3.17E-07	9.45E-08	1.32E-06
481863.09, 3866377.25	0.00971	0.001967	6.81E-07	2.06E-06	1.62E-06	1.41E-06	6.32E-07	2.27E-08	5.49E-07	3.86E-07	3.34E-07	9.97E-08	1.39E-06
482363.09, 3866377.25	0.01007	0.00204	7.06E-07	2.13E-06	1.68E-06	1.46E-06	6.55E-07	2.36E-08	5.70E-07	4.00E-07	3.46E-07	1.03E-07	1.44E-06
482863.09, 3866377.25	0.0105	0.002127	7.36E-07	2.22E-06	1.76E-06	1.52E-06	6.83E-07	2.46E-08	5.94E-07	4.17E-07	3.61E-07	1.08E-07	1.50E-06
483363.09, 3866377.25	0.011	0.002228	7.71E-07	2.33E-06	1.84E-06	1.59E-06	7.16E-07	2.58E-08	6.22E-07	4.37E-07	3.78E-07	1.13E-07	1.58E-06
483863.09, 3866377.25	0.01155	0.002339	8.10E-07	2.45E-06	1.93E-06	1.67E-06	7.52E-07	2.70E-08	6.53E-07	4.59E-07	3.97E-07	1.19E-07	1.65E-06
484363.09, 3866377.25	0.01214	0.002459	8.51E-07	2.57E-06	2.03E-06	1.76E-06	7.90E-07	2.84E-08	6.87E-07	4.82E-07	4.17E-07	1.25E-07	1.74E-06
484863.09, 3866377.25	0.01251	0.002534	8.77E-07	2.65E-06	2.09E-06	1.81E-06	8.14E-07	2.93E-08	7.08E-07	4.97E-07	4.30E-07	1.28E-07	1.79E-06

485363.09, 3866377.25	0.01332	0.002698	9.34E-07	2.82E-06	2.23E-06	1.93E-06	8.67E-07	3.12E-08	7.53E-07	5.29E-07	4.58E-07	1.37E-07	1.91E-06
485863.09, 3866377.25	0.0138	0.002795	9.68E-07	2.92E-06	2.31E-06	2.00E-06	8.98E-07	3.23E-08	7.80E-07	5.48E-07	4.74E-07	1.42E-07	1.98E-06
486363.09, 3866377.25	0.01374	0.002783	9.63E-07	2.91E-06	2.30E-06	1.99E-06	8.94E-07	3.22E-08	7.77E-07	5.46E-07	4.72E-07	1.41E-07	1.97E-06
486863.09, 3866377.25	0.01379	0.002793	9.67E-07	2.92E-06	2.31E-06	2.00E-06	8.97E-07	3.23E-08	7.80E-07	5.48E-07	4.74E-07	1.42E-07	1.98E-06
487363.09, 3866377.25	0.01272	0.002576	8.92E-07	2.69E-06	2.13E-06	1.84E-06	8.28E-07	2.98E-08	7.19E-07	5.05E-07	4.37E-07	1.31E-07	1.82E-06
487863.09, 3866377.25	0.01125	0.002279	7.89E-07	2.38E-06	1.88E-06	1.63E-06	7.32E-07	2.63E-08	6.36E-07	4.47E-07	3.87E-07	1.15E-07	1.61E-06
488363.09, 3866377.25	0.01235	0.002502	8.66E-07	2.61E-06	2.07E-06	1.79E-06	8.04E-07	2.89E-08	6.98E-07	4.91E-07	4.25E-07	1.27E-07	1.77E-06
488863.09, 3866377.25	0.01	0.002026	7.01E-07	2.12E-06	1.67E-06	1.45E-06	6.51E-07	2.34E-08	5.66E-07	3.97E-07	3.44E-07	1.03E-07	1.43E-06
489363.09, 3866377.25	0.00892	0.001807	6.25E-07	1.89E-06	1.49E-06	1.29E-06	5.80E-07	2.09E-08	5.04E-07	3.54E-07	3.07E-07	9.15E-08	1.28E-06
489863.09, 3866377.25	0.00598	0.001211	4.19E-07	1.27E-06	1.00E-06	8.65E-07	3.89E-07	1.40E-08	3.38E-07	2.38E-07	2.06E-07	6.14E-08	8.57E-07
490363.09, 3866377.25	0.01475	0.002988	1.03E-06	3.12E-06	2.47E-06	2.13E-06	9.60E-07	3.45E-08	8.34E-07	5.86E-07	5.07E-07	1.51E-07	2.11E-06
490863.09, 3866377.25	0.01743	0.003531	1.22E-06	3.69E-06	2.91E-06	2.52E-06	1.13E-06	4.08E-08	9.86E-07	6.93E-07	5.99E-07	1.79E-07	2.50E-06
491363.09, 3866377.25	0.01348	0.00273	9.45E-07	2.85E-06	2.25E-06	1.95E-06	8.77E-07	3.16E-08	7.62E-07	5.36E-07	4.63E-07	1.38E-07	1.93E-06
491863.09, 3866377.25	0.00491	0.000995	3.44E-07	1.04E-06	8.21E-07	7.10E-07	3.19E-07	1.15E-08	2.78E-07	1.95E-07	1.69E-07	5.04E-08	7.03E-07
492363.09, 3866377.25	0.00602	0.001219	4.22E-07	1.27E-06	1.01E-06	8.71E-07	3.92E-07	1.41E-08	3.40E-07	2.39E-07	2.07E-07	6.18E-08	8.63E-07
492863.09, 3866377.25	0.00348	0.000705	2.44E-07	7.37E-07	5.82E-07	5.04E-07	2.26E-07	8.15E-09	1.97E-07	1.38E-07	1.20E-07	3.57E-08	4.99E-07
493363.09, 3866377.25	0.00427	0.000865	2.99E-07	9.04E-07	7.14E-07	6.18E-07	2.78E-07	1.00E-08	2.41E-07	1.70E-07	1.47E-07	4.38E-08	6.12E-07
493863.09, 3866377.25	0.00529	0.001072	3.71E-07	1.12E-06	8.85E-07	7.65E-07	3.44E-07	1.24E-08	2.99E-07	2.10E-07	1.82E-07	5.43E-08	7.58E-07
494363.09, 3866377.25	0.00838	0.001697	5.88E-07	1.77E-06	1.40E-06	1.21E-06	5.45E-07	1.96E-08	4.74E-07	3.33E-07	2.88E-07	8.60E-08	1.20E-06
494863.09, 3866377.25	0.00766	0.001552	5.37E-07	1.62E-06	1.28E-06	1.11E-06	4.98E-07	1.79E-08	4.33E-07	3.04E-07	2.63E-07	7.86E-08	1.10E-06
495363.09, 3866377.25	0.00622	0.00126	4.36E-07	1.32E-06	1.04E-06	9.00E-07	4.05E-07	1.46E-08	3.52E-07	2.47E-07	2.14E-07	6.38E-08	8.91E-07
495863.09, 3866377.25	0.00531	0.001076	3.72E-07	1.12E-06	8.88E-07	7.68E-07	3.46E-07	1.24E-08	3.00E-07	2.11E-07	1.83E-07	5.45E-08	7.61E-07
496363.09, 3866377.25	0.00517	0.001047	3.63E-07	1.09E-06	8.65E-07	7.48E-07	3.36E-07	1.21E-08	2.92E-07	2.05E-07	1.78E-07	5.31E-08	7.41E-07
496863.09, 3866377.25	0.00501	0.001015	3.51E-07	1.06E-06	8.38E-07	7.25E-07	3.26E-07	1.17E-08	2.83E-07	1.99E-07	1.72E-07	5.14E-08	7.18E-07
497363.09, 3866377.25	0.0057	0.001155	4.00E-07	1.21E-06	9.53E-07	8.25E-07	3.71E-07	1.33E-08	3.22E-07	2.26E-07	1.96E-07	5.85E-08	8.17E-07
497863.09, 3866377.25	0.00782	0.001584	5.48E-07	1.66E-06	1.31E-06	1.13E-06	5.09E-07	1.83E-08	4.42E-07	3.11E-07	2.69E-07	8.03E-08	1.12E-06
498363.09, 3866377.25	0.0072	0.001458	5.05E-07	1.52E-06	1.20E-06	1.04E-06	4.68E-07	1.69E-08	4.07E-07	2.86E-07	2.48E-07	7.39E-08	1.03E-06
474494.92, 3848334.16	0.00138	0.00028	9.68E-08	2.92E-07	2.31E-07	2.00E-07	8.98E-08	3.23E-09	7.80E-08	5.48E-08	4.74E-08	1.42E-08	1.98E-07
475167.27, 3848920.79	0.00144	0.000292	1.01E-07	3.05E-07	2.41E-07	2.08E-07	9.37E-08	3.37E-09	8.14E-08	5.72E-08	4.95E-08	1.48E-08	2.06E-07
475297.89, 3848997.96	0.00146	0.000296	1.02E-07	3.09E-07	2.44E-07	2.11E-07	9.50E-08	3.42E-09	8.26E-08	5.80E-08	5.02E-08	1.50E-08	2.09E-07
475439.05, 3849062	0.00141	0.000286	9.89E-08	2.99E-07	2.36E-07	2.04E-07	9.17E-08	3.30E-09	7.97E-08	5.60E-08	4.85E-08	1.45E-08	2.02E-07
475486.86, 3849061.09	0.0014	0.000284	9.82E-08	2.96E-07	2.34E-07	2.03E-07	9.11E-08	3.28E-09	7.92E-08	5.56E-08	4.81E-08	1.44E-08	2.01E-07
475538.46, 3849075.56	0.00142	0.000288	9.96E-08	3.01E-07	2.37E-07	2.05E-07	9.24E-08	3.32E-09	8.03E-08	5.64E-08	4.88E-08	1.46E-08	2.03E-07
475751.79, 3849137.15	0.00156	0.000316	1.09E-07	3.30E-07	2.61E-07	2.26E-07	1.02E-07	3.65E-09	8.82E-08	6.20E-08	5.36E-08	1.60E-08	2.24E-07
476303.62, 3849223.38	0.00185	0.000375	1.30E-07	3.92E-07	3.09E-07	2.68E-07	1.20E-07	4.33E-09	1.05E-07	7.35E-08	6.36E-08	1.90E-08	2.65E-07
476304.51, 3849238.92	0.00185	0.000375	1.30E-07	3.92E-07	3.09E-07	2.68E-07	1.20E-07	4.33E-09	1.05E-07	7.35E-08	6.36E-08	1.90E-08	2.65E-07
476365.04, 3849247.98	0.00189	0.000383	1.33E-07	4.00E-07	3.16E-07	2.73E-07	1.23E-07	4.43E-09	1.07E-07	7.51E-08	6.50E-08	1.94E-08	2.71E-07
476444.86, 3849267.13	0.00187	0.000379	1.31E-07	3.96E-07	3.13E-07	2.71E-07	1.22E-07	4.38E-09	1.06E-07	7.43E-08	6.43E-08	1.92E-08	2.68E-07
476550.75, 3849300.66	0.00198	0.000401	1.39E-07	4.19E-07	3.31E-07	2.87E-07	1.29E-07	4.64E-09	1.12E-07	7.87E-08	6.81E-08	2.03E-08	2.84E-07
476656.71, 3849346.88	0.00203	0.000411	1.42E-07	4.30E-07	3.39E-07	2.94E-07	1.32E-07	4.75E-09	1.15E-07	8.07E-08	6.98E-08	2.08E-08	2.91E-07
476873.55, 3849454.53	0.00215	0.000435	1.51E-07	4.55E-07	3.60E-07	3.11E-07	1.40E-07	5.03E-09	1.22E-07	8.54E-08	7.39E-08	2.21E-08	3.08E-07
477700, 3849859.7	0.00254	0.000514	1.78E-07	5.38E-07	4.25E-07	3.68E-07	1.65E-07	5.95E-09	1.44E-07	1.01E-07	8.73E-08	2.61E-08	3.64E-07
477743.16, 3849856.38	0.00254	0.000514	1.78E-07	5.38E-07	4.25E-07	3.68E-07	1.65E-07	5.95E-09	1.44E-07	1.01E-07	8.73E-08	2.61E-08	3.64E-07
478477.35, 3850216.33	0.00261	0.000529	1.83E-07	5.53E-07	4.36E-07	3.78E-07	1.70E-07	6.11E-09	1.48E-07	1.04E-07	8.97E-08	2.68E-08	3.74E-07
478485.8, 3850201.6	0.00261	0.000529	1.83E-07	5.53E-07	4.36E-07	3.78E-07	1.70E-07	6.11E-09	1.48E-07	1.04E-07	8.97E-08	2.68E-08	3.74E-07
479113.21, 3850501.53	0.0031	0.000628	2.17E-07	6.56E-07	5.18E-07	4.49E-07	2.02E-07	7.26E-09	1.75E-07	1.23E-07	1.07E-07	3.18E-08	4.44E-07
479108.11, 3850382.28	0.00301	0.00061	2.11E-07	6.37E-07	5.03E-07	4.36E-07	1.96E-07	7.05E-09	1.70E-07	1.20E-07	1.03E-07	3.09E-08	4.31E-07
479689.85, 3850674.28	0.00292	0.000591	2.05E-07	6.18E-07	4.88E-07	4.23E-07	1.90E-07	6.84E-09	1.65E-07	1.16E-07	1.00E-07	3.00E-08	4.18E-07
479952.42, 3850774.28	0.00296	0.0006	2.08E-07	6.27E-07	4.95E-07	4.28E-07	1.93E-07	6.93E-09	1.67E-07	1.18E-07	1.02E-07	3.04E-08	4.24E-07
479911.32, 3850884.85	0.00315	0.000638	2.21E-07	6.67E-07	5.27E-07	4.56E-07	2.05E-07	7.38E-09	1.78E-07	1.25E-07	1.08E-07	3.23E-08	4.51E-07
480500.92, 3851178.12	0.00359	0.000727	2.52E-07	7.60E-07	6.00E-07	5.19E-07	2.34E-07	8.41E-09	2.03E-07	1.43E-07	1.23E-07	3.68E-08	5.14E-07
480738.01, 3851289.27	0.0037	0.000749	2.59E-07	7.83E-07	6.19E-07	5.35E-07	2.41E-07	8.66E-09	2.09E-07	1.47E-07	1.27E-07	3.80E-08	5.30E-07
481055.42, 3851443.58	0.0038	0.00077	2.66E-07	8.04E-07	6.35E-07	5.50E-07	2.47E-07	8.90E-09	2.15E-07	1.51E-07	1.31E-07	3.90E-08	5.44E-07
481110.22, 3851443.15	0.00374	0.000758	2.62E-07	7.92E-07	6.25E-07	5.41E-07	2.43E-07	8.76E-09	2.12E-07	1.49E-07	1.29E-07	3.84E-08	5.36E-07
481111.1, 3851417.45	0.00367	0.000743	2.57E-07	7.77E-07	6.14E-07	5.31E-07	2.39E-07	8.59E-09	2.08E-07	1.46E-07	1.26E-07	3.77E-08	5.26E-07
482248.44, 3852605.09	0.00515	0.001043	3.61E-07	1.09E-06	8.61E-07	7.45E-07	3.35E-07	1.21E-08	2.91E-07	2.05E-07	1.77E-07	5.29E-08	7.38E-07
482273.34, 3852632.31	0.00516	0.001045	3.62E-07	1.09E-06	8.63E-07	7.47E-07	3.36E-07	1.21E-08	2.92E-07	2.05E-07	1.77E-07	5.30E-08	7.39E-07
482665.46, 3853038.72	0.00536	0.001086	3.76E-07	1.13E-06	8.96E-07	7.76E-07	3.49E-07	1.25E-08	3.03E-07	2.13E-07	1.84E-07	5.50E-08	7.68E-07
483077.95, 3853844.31	0.00448	0.000907	3.14E-07	9.48E-07	7.49E-07	6.48E-07	2.91E-07	1.05E-08	2.53E-07	1.78E-07	1.54E-07	4.60E-08	6.42E-07
483121.38, 3853909.38	0.00434	0.000879	3.04E-07	9.19E-07	7.26E-07	6.28E-07	2.82E-07	1.02E-08	2.45E-07	1.72E-07	1.49E-07	4.45E-08	6.22E-07
483492.64, 3853911.49	0.00424	0.000859	2.97E-07	8.98E-07	7.09E-07	6.14E-07	2.76E-07	9.93E-09	2.40E-07	1.68E-07	1.46E-07	4.35E-08	6.07E-07
483498.29, 3854204.73	0.00396	0.000802	2.78E-07	8.38E-07	6.62E-07	5.73E-07	2.58E-07	9.27E-09	2.24E-07	1.57E-07	1.36E-07	4.06E-08	5.67E-07
484132.44, 3854662.55	0.00273	0.000553	1.91E-07	5.78E-07	4.57E-07	3.95E-07	1.78E-07	6.39E-09	1.54E-07	1.08E-07	9.39E-08	2.80E-08	3.91E-07
484627.62, 3854876.13	0.00312	0.000632	2.19E-07	6.61E-07	5.22E-07	4.51E-07	2.03E-07	7.31E-09	1.76E-07	1.24E-07	1.07E-07	3.20E-08	4.47E-07
484756.14, 3854949.04	0.00327	0.000662	2.29E-07	6.92E-07	5.47E-07	4.73E-07	2.13E-07	7.66E-09	1.85E-07	1.30E-07	1.12E-07	3.36E-08	4.69E-07
486697.51, 3856599.17	0.00512	0.001037	3.59E-07	1.08E-06	8.56E-07	7.41E-07	3.33E-07	1.20E-08	2.90E-07	2.03E-07	1.76E-07	5.25E-08	7.34E-07
487105.31, 3856962.27	0.00647	0.001311	4.54E-07	1.37E-06	1.08E-06	9.36E-07	4.21E-07	1.51E-08	3.66E-07	2.57E-07	2.22E-07	6.64E-08	9.27E-07
487157.57, 3856901.7	0.00632	0.00128	4.43E-07	1.34E-06	1.06E-06	9.15E-07	4.11E-07	1.48E-08	3.57E-07	2.51E-07	2.17E-07	6.49E-08	9.06E-07
487173.5, 3856853.74	0.00617	0.00125	4.33E-07	1.31E-06	1.03E-06	8.93E-07	4.01E-07	1.44E-08	3.49E-07	2.45E-07	2.12E-07	6.33E-08	8.84E-07
487564.41, 3856860.83	0.00649	0.001315	4.55E-07	1.37E-06	1.09E-06	9.39E-07	4.22E-07	1.52E-08	3.67E-07	2.58E-07	2.23E-07	6.66E-08	9.30E-07
487563.31, 3856931.58	0.00669	0.001355	4.69E-07	1.42E-06	1.12E-06	9.68E-07	4.35E-07	1.57E-08	3.78E-07	2.66E-07	2.30E-07	6.87E-08	9.59E-07
487782.7, 3856926.85	0.007	0.001418	4.91E-07	1.48E-06	1.17E-06	1.01E-06	4.55E-07	1.64E-08	3.96E-07	2.78E-07	2.41E-07	7.18E-08	1.00E-06
487782.39, 3856757.07	0.00672	0.001361	4.71E-07	1.42E-06	1.12E-06	9.72E-07	4.37E-07	1.57E-08	3.80E-07	2.67E-07	2.31E-07	6.90E-08	9.63E-07
487917.26, 3856752.41	0.00713	0.001444	5.00E-07	1.51E-06	1.19E-06	1.03E-06	4.64E-07	1.67E-08	4.03E-07	2.83E-07	2.45E-07	7.32E-08	1.02E-06
487919.57, 3856953.35	0.00737	0.001493	5.17E-07	1.56E-06	1.23E-06	1.07E-06	4.80E-07	1.73E-08	4.17E-07	2.93E-07	2.53E-07	7.56E-08	1.06E-06
487932.76, 3857000.32	0.00742	0.001503	5.20E-07	1.57E-06	1.24E-06	1.07E-06	4.83E-07	1.74E-08	4.20E-07	2.95E-07	2.55E-07	7.62E-08	1.06E-06
487960.5, 3857044.75	0.00752	0.001523	5.27E-07	1.59E-06	1.26E-06	1.09E-06	4.89E-07	1.76E-08	4.25E-07	2.99E-07	2.59E-07	7.72E-08	1.08E-06
488016.54, 3857089.54	0.0077	0.00156	5.40E-07	1.63E-06	1.29E-06	1.11E-06	5.01E-07	1.80E-08	4.35E-07	3.06E-07	2.65E-07	7.90E-08	1.10E-06
488114.39, 3857165.47	0.0081	0.001641	5.68E-07	1.71E-06	1.35E-06	1.17E-06	5.27E-07	1.90E-08	4.58E-07	3.22E-07	2.78E-07	8.31E-08	1.16E-06
488171.49, 3857234.24	0.00849	0.00172	5.95E-07	1.80E-06	1.42E-06	1.23E-06	5.52E-07	1.99E-08	4.80E-07	3.37E-07	2.92E-07	8.71E-08	1.22E-06
488193.16, 3857297.8	0.00889	0.001801	6.23E-07	1.88E-06	1.49E-06	1.29E-06	5.78E-07	2.08E-08	5.03E-07	3.53E-07	3.06E-07	9.12E-08	1.27E-06
488189.27, 3857649.94	0.01069	0.002165	7.50E-07	2.26E-06	1.79E-06	1.55E-06	6.96E-07	2.50E-08	6.05E-07	4.25E-07	3.68E-07	1.10E-07	1.53E-06
488127.43, 3857732.32	0.01066	0.002159	7.47E-07	2.26E-06	1.78E-06	1.54E-06	6.94E-07	2.50E-08	6.03E-07	4.24E-07	3.67E-07	1.09E-07	1.53E-06
488149.93, 3857752.94	0.01071	0.002169	7.51E-07	2.27E-06	1.79E-06	1.55E-06	6.97E-07	2.51E-08	6.06E-07	4.26E-07	3.68E-07	1.10E-07	1.53E-06
488144.76, 3857758.71	0.01069	0.002165	7.50E-07	2.26E-06	1.79E-06	1.55E-06	6.96E-07	2.50E-08	6.05E-07	4.25E-07	3.68E-07	1.10E-07	1.53E-06
488335.58, 3857932.55	0.01223	0.002477	8.58E-07	2.59E-06	2.05E-06	1.77E-06	7.96E-07	2.86E-08	6.92E-07	4.86E-07	4.20E-07	1.26E-07	1.75E-06
488372.29, 3857943.79	0.01245	0.002522	8.73E-07	2.64E-06	2.08E-06	1.80E-06	8.10E-07	2.92E-08	7.04E-07	4.95E-07	4.28E-07	1.28E-07	1.78E-06
488828.64, 3857936.4	0.01355	0.002745	9.50E-07	2.87E-06	2.27E-06	1.96E-06	8.82E-07	3.17E-08	7.66E-07	5.38E-07	4.66E-07	1.39E-07	1.94E-06
488829.08, 3857959.58	0.01357	0.002749	9.51E-07	2.87E-06	2.27E-06	1.96E-06	8.83E-07	3.18E-08	7.67E-07	5.39E-07	4.67E-07	1.39E-07	1.94E-06
488351.61, 3857964.55	0.01244	0.00252	8.72E-07	2.63E-06	2.08E-06	1.80E-06	8.09E-07	2.91E-08	7.04E-07	4.94E-07	4.28E-07	1.28E-07	1.78E-06
488316.87, 3857947.65	0.01221	0.002473	8.56E-07	2.58E-06	2.04E-06	1.77E-06	7.94E-07	2.86E-08	6.91E-07	4.85E-07	4.20E-07	1.25E-07	1.75E-06
488129.1, 3857775.77	0.01065	0.002157	7.47E-07	2.25E-06	1.78E-06	1.54E-06	6.93E-07	2.49E-08	6.02E-07	4.23E-07	3.66E-07	1.09E-07	1.53E-06
488062.53, 3857846.13	0.01067	0.002161	7.48E-07	2.26E-06	1.78E-06	1.54E-06	6.94E-07	2.50E-08	6.03E-07	4.24E-07	3.67E-07	1.10E-07	1.53E-06
488330.41, 3858091.34	0.01234	0.0025	8.65E-07	2.61E-06	2.06E-06	1.79E-06	8.03E-07	2.89E-08	6.98E-07	4.90E-07	4.24E-07	1.27E-07	1.77E-06
488470.87, 3858174.45	0.01332	0.002698	9.34E-07	2.82E-06	2.23E-06	1.93E-06	8.67E-07	3.12E-08	7.53E-07	5.29E-07	4.58E-07	1.37E-07	1.91E-06
488568.9, 3858262.31	0.01487	0.003012	1.04E-06	3.15E-06	2.49E-06	2.15E-06	9.68E-07	3.48E-08	8.41E-07	5.91E-07	5.11E-07	1.53E-07	2.13E-06
488964.27, 3858025.71	0.0139	0.002815	9.75E-07	2.94E-06	2.32E-06	2.01E-06	9.04E-07	3.25E-08	7.86E-07	5.52E-07	4.78E-07	1.43E-07	1.99E-06
489147.25, 3857956.64	0.01341	0.002716	9.40E-07	2.84E-06	2.24E-06	1.94E-06	8.73E-07	3.14E-08	7.58E-07	5.33E-07	4.61E-07	1.38E-07	1.92E-06
489343.52, 3857932.45	0.0129	0.002613	9.05E-07	2.73E-06	2.16E-06	1.87E-06	8.39E-07	3.02E-08	7.30E-07	5.13E-07	4.44E-07	1.32E-07	1.85E-06

489866.19, 3857923.19	0.01262	0.002556	8.85E-07	2.67E-06	2.11E-06	1.83E-06	8.21E-07	2.95E-08	7.14E-07	5.01E-07	4.34E-07	1.30E-07	1.81E-06
489955.65, 3857902.27	0.01241	0.002514	8.70E-07	2.63E-06	2.08E-06	1.80E-06	8.07E-07	2.91E-08	7.02E-07	4.93E-07	4.27E-07	1.27E-07	1.78E-06
490079.44, 3857847.9	0.01273	0.002579	8.93E-07	2.70E-06	2.13E-06	1.84E-06	8.28E-07	2.98E-08	7.20E-07	5.06E-07	4.38E-07	1.31E-07	1.82E-06
490108.49, 3857934.13	0.01281	0.002595	8.98E-07	2.71E-06	2.14E-06	1.85E-06	8.34E-07	3.00E-08	7.24E-07	5.09E-07	4.40E-07	1.31E-07	1.84E-06
489884.48, 3858014.17	0.01277	0.002587	8.95E-07	2.70E-06	2.14E-06	1.85E-06	8.31E-07	2.99E-08	7.22E-07	5.07E-07	4.39E-07	1.31E-07	1.83E-06
489326.56, 3858025.86	0.01339	0.002712	9.39E-07	2.83E-06	2.24E-06	1.94E-06	8.71E-07	3.14E-08	7.57E-07	5.32E-07	4.60E-07	1.37E-07	1.92E-06
489130.38, 3858056.71	0.01346	0.002726	9.44E-07	2.85E-06	2.25E-06	1.95E-06	8.76E-07	3.15E-08	7.61E-07	5.35E-07	4.63E-07	1.38E-07	1.93E-06
488936.49, 3858143.93	0.01431	0.002899	1.00E-06	3.03E-06	2.39E-06	2.07E-06	9.31E-07	3.35E-08	8.09E-07	5.69E-07	4.92E-07	1.47E-07	2.05E-06
488638.08, 3858327.45	0.0151	0.003059	1.06E-06	3.20E-06	2.53E-06	2.18E-06	9.83E-07	3.54E-08	8.54E-07	6.00E-07	5.19E-07	1.55E-07	2.16E-06
488663.79, 3858349.57	0.01509	0.003057	1.06E-06	3.19E-06	2.52E-06	2.18E-06	9.82E-07	3.53E-08	8.53E-07	6.00E-07	5.19E-07	1.55E-07	2.16E-06
488694.56, 3858349.5	0.01509	0.003057	1.06E-06	3.19E-06	2.52E-06	2.18E-06	9.82E-07	3.53E-08	8.53E-07	6.00E-07	5.19E-07	1.55E-07	2.16E-06
488694.35, 3858336.75	0.01508	0.003055	1.06E-06	3.19E-06	2.52E-06	2.18E-06	9.81E-07	3.53E-08	8.53E-07	5.99E-07	5.18E-07	1.55E-07	2.16E-06
488712.81, 3858336.38	0.01507	0.003052	1.06E-06	3.19E-06	2.52E-06	2.18E-06	9.81E-07	3.53E-08	8.52E-07	5.99E-07	5.18E-07	1.55E-07	2.16E-06
488713.23, 3858367.46	0.01513	0.003065	1.06E-06	3.20E-06	2.53E-06	2.19E-06	9.84E-07	3.54E-08	8.56E-07	6.01E-07	5.20E-07	1.55E-07	2.17E-06
488704.63, 3858384.05	0.0152	0.003079	1.07E-06	3.22E-06	2.54E-06	2.20E-06	9.89E-07	3.56E-08	8.60E-07	6.04E-07	5.23E-07	1.56E-07	2.18E-06
488604.15, 3858488.29	0.01554	0.003148	1.09E-06	3.29E-06	2.60E-06	2.25E-06	1.01E-06	3.64E-08	8.79E-07	6.17E-07	5.34E-07	1.59E-07	2.23E-06
488605.66, 3858550.47	0.01594	0.003229	1.12E-06	3.37E-06	2.67E-06	2.31E-06	1.04E-06	3.73E-08	9.02E-07	6.33E-07	5.48E-07	1.64E-07	2.28E-06
488692.68, 3858548.71	0.01594	0.003229	1.12E-06	3.37E-06	2.67E-06	2.31E-06	1.04E-06	3.73E-08	9.02E-07	6.33E-07	5.48E-07	1.64E-07	2.28E-06
488759.93, 3858461.81	0.01535	0.003109	1.08E-06	3.25E-06	2.57E-06	2.22E-06	9.99E-07	3.59E-08	8.68E-07	6.10E-07	5.28E-07	1.58E-07	2.20E-06
488816.57, 3858541.79	0.01567	0.003174	1.10E-06	3.32E-06	2.62E-06	2.27E-06	1.02E-06	3.67E-08	8.86E-07	6.23E-07	5.39E-07	1.61E-07	2.25E-06
488944.63, 3858656.77	0.01602	0.003245	1.12E-06	3.39E-06	2.68E-06	2.32E-06	1.04E-06	3.75E-08	9.06E-07	6.37E-07	5.51E-07	1.64E-07	2.30E-06
489134.91, 3858830.7	0.01671	0.003385	1.17E-06	3.54E-06	2.79E-06	2.42E-06	1.09E-06	3.91E-08	9.45E-07	6.64E-07	5.75E-07	1.71E-07	2.39E-06
489193.99, 3858886.05	0.01702	0.003447	1.19E-06	3.60E-06	2.85E-06	2.46E-06	1.11E-06	3.99E-08	9.63E-07	6.76E-07	5.85E-07	1.75E-07	2.44E-06
489295.2, 3858954.34	0.01749	0.003543	1.23E-06	3.70E-06	2.92E-06	2.53E-06	1.14E-06	4.10E-08	9.89E-07	6.95E-07	6.01E-07	1.80E-07	2.51E-06
489295.64, 3858992.74	0.01792	0.00363	1.26E-06	3.79E-06	3.00E-06	2.59E-06	1.17E-06	4.20E-08	1.01E-06	7.12E-07	6.16E-07	1.84E-07	2.57E-06
489183.74, 3858911.72	0.01723	0.00349	1.21E-06	3.65E-06	2.88E-06	2.49E-06	1.12E-06	4.03E-08	9.74E-07	6.85E-07	5.92E-07	1.77E-07	2.47E-06
488873.37, 3858625.59	0.01595	0.003231	1.12E-06	3.38E-06	2.67E-06	2.31E-06	1.04E-06	3.73E-08	9.02E-07	6.34E-07	5.48E-07	1.64E-07	2.29E-06
488842.84, 3858658.69	0.01632	0.003306	1.14E-06	3.46E-06	2.73E-06	2.36E-06	1.06E-06	3.82E-08	9.23E-07	6.48E-07	5.61E-07	1.67E-07	2.34E-06
488856.39, 3858670.93	0.01627	0.003296	1.14E-06	3.44E-06	2.72E-06	2.35E-06	1.06E-06	3.81E-08	9.20E-07	6.46E-07	5.59E-07	1.67E-07	2.33E-06
488805.7, 3858724.5	0.01676	0.003395	1.18E-06	3.55E-06	2.80E-06	2.43E-06	1.09E-06	3.92E-08	9.48E-07	6.66E-07	5.76E-07	1.72E-07	2.40E-06
488805.87, 3858804.16	0.01747	0.003539	1.22E-06	3.70E-06	2.92E-06	2.53E-06	1.14E-06	4.09E-08	9.88E-07	6.94E-07	6.01E-07	1.79E-07	2.50E-06
488995.78, 3858936.96	0.01821	0.003689	1.28E-06	3.86E-06	3.05E-06	2.64E-06	1.18E-06	4.26E-08	1.03E-06	7.24E-07	6.26E-07	1.87E-07	2.61E-06
489130.76, 3859017.38	0.01847	0.003741	1.30E-06	3.91E-06	3.09E-06	2.67E-06	1.20E-06	4.32E-08	1.04E-06	7.34E-07	6.35E-07	1.90E-07	2.65E-06
489130.92, 3859052.24	0.01881	0.00381	1.32E-06	3.98E-06	3.15E-06	2.72E-06	1.22E-06	4.40E-08	1.06E-06	7.47E-07	6.47E-07	1.93E-07	2.70E-06
489200.33, 3859090.6	0.01919	0.003887	1.35E-06	4.06E-06	3.21E-06	2.78E-06	1.25E-06	4.49E-08	1.09E-06	7.62E-07	6.60E-07	1.97E-07	2.75E-06
489296.07, 3859143.7	0.01979	0.004009	1.39E-06	4.19E-06	3.31E-06	2.86E-06	1.29E-06	4.63E-08	1.12E-06	7.86E-07	6.80E-07	2.03E-07	2.84E-06
489296.43, 3858954.74	0.01749	0.003543	1.23E-06	3.70E-06	2.92E-06	2.53E-06	1.14E-06	4.10E-08	9.89E-07	6.95E-07	6.01E-07	1.80E-07	2.51E-06
489410.33, 3859033.19	0.01802	0.00365	1.26E-06	3.82E-06	3.01E-06	2.61E-06	1.17E-06	4.22E-08	1.02E-06	7.16E-07	6.20E-07	1.85E-07	2.58E-06
489371.37, 3859089.8	0.01886	0.00382	1.32E-06	3.99E-06	3.15E-06	2.73E-06	1.23E-06	4.42E-08	1.07E-06	7.49E-07	6.48E-07	1.94E-07	2.70E-06
489390.52, 3859102.82	0.01899	0.003846	1.33E-06	4.02E-06	3.18E-06	2.75E-06	1.24E-06	4.45E-08	1.07E-06	7.55E-07	6.53E-07	1.95E-07	2.72E-06
489382.3, 3859114.53	0.01911	0.003871	1.34E-06	4.05E-06	3.20E-06	2.77E-06	1.24E-06	4.47E-08	1.08E-06	7.59E-07	6.57E-07	1.96E-07	2.74E-06
489363.04, 3859102.45	0.01899	0.003846	1.33E-06	4.02E-06	3.18E-06	2.75E-06	1.24E-06	4.45E-08	1.07E-06	7.55E-07	6.53E-07	1.95E-07	2.72E-06
489337.52, 3859140.71	0.01966	0.003982	1.38E-06	4.16E-06	3.29E-06	2.84E-06	1.28E-06	4.60E-08	1.11E-06	7.81E-07	6.76E-07	2.02E-07	2.82E-06
489375.14, 3859164.55	0.01987	0.004025	1.39E-06	4.21E-06	3.32E-06	2.88E-06	1.29E-06	4.65E-08	1.12E-06	7.90E-07	6.83E-07	2.04E-07	2.85E-06
489409.3, 3859114.5	0.0191	0.003869	1.34E-06	4.04E-06	3.19E-06	2.76E-06	1.24E-06	4.47E-08	1.08E-06	7.59E-07	6.57E-07	1.96E-07	2.74E-06
489434.87, 3859131.81	0.01919	0.003887	1.35E-06	4.06E-06	3.21E-06	2.78E-06	1.25E-06	4.49E-08	1.09E-06	7.62E-07	6.60E-07	1.97E-07	2.75E-06
489471.87, 3859075.75	0.0183	0.003707	1.28E-06	3.87E-06	3.06E-06	2.65E-06	1.19E-06	4.28E-08	1.03E-06	7.27E-07	6.29E-07	1.88E-07	2.62E-06
489602.62, 3859164.69	0.01911	0.003871	1.34E-06	4.05E-06	3.20E-06	2.77E-06	1.24E-06	4.47E-08	1.08E-06	7.59E-07	6.57E-07	1.96E-07	2.74E-06
489558.29, 3859232.45	0.02018	0.004088	1.41E-06	4.27E-06	3.37E-06	2.92E-06	1.31E-06	4.72E-08	1.14E-06	8.02E-07	6.94E-07	2.07E-07	2.89E-06
489620.11, 3859273.56	0.02082	0.004217	1.46E-06	4.41E-06	3.48E-06	3.01E-06	1.35E-06	4.87E-08	1.18E-06	8.27E-07	7.16E-07	2.14E-07	2.98E-06
489666.06, 3859206.42	0.01966	0.003982	1.38E-06	4.16E-06	3.29E-06	2.84E-06	1.28E-06	4.60E-08	1.11E-06	7.81E-07	6.76E-07	2.02E-07	2.82E-06
489787.9, 3859285.65	0.02061	0.004175	1.45E-06	4.36E-06	3.45E-06	2.98E-06	1.34E-06	4.83E-08	1.17E-06	8.19E-07	7.09E-07	2.12E-07	2.95E-06
489752.17, 3859343.13	0.02166	0.004387	1.52E-06	4.59E-06	3.62E-06	3.13E-06	1.41E-06	5.07E-08	1.23E-06	8.61E-07	7.45E-07	2.22E-07	3.10E-06
489814.94, 3859385.33	0.02224	0.004505	1.56E-06	4.71E-06	3.72E-06	3.22E-06	1.45E-06	5.21E-08	1.26E-06	8.84E-07	7.65E-07	2.28E-07	3.19E-06
489853.42, 3859330.74	0.02124	0.004302	1.49E-06	4.50E-06	3.55E-06	3.07E-06	1.38E-06	4.97E-08	1.20E-06	8.44E-07	7.30E-07	2.18E-07	3.04E-06
489969.5, 3859401.91	0.02229	0.004515	1.56E-06	4.72E-06	3.73E-06	3.23E-06	1.45E-06	5.22E-08	1.26E-06	8.86E-07	7.66E-07	2.29E-07	3.19E-06
490166.91, 3859486.96	0.02434	0.00493	1.71E-06	5.15E-06	4.07E-06	3.52E-06	1.58E-06	5.70E-08	1.38E-06	9.67E-07	8.37E-07	2.50E-07	3.49E-06
490128.86, 3859571.46	0.02664	0.005396	1.87E-06	5.64E-06	4.46E-06	3.85E-06	1.73E-06	6.24E-08	1.51E-06	1.06E-06	9.16E-07	2.73E-07	3.82E-06
490186.65, 3859593.65	0.02708	0.005485	1.90E-06	5.73E-06	4.53E-06	3.92E-06	1.76E-06	6.34E-08	1.53E-06	1.08E-06	9.31E-07	2.78E-07	3.88E-06
490223.74, 3859517.48	0.02489	0.005042	1.75E-06	5.27E-06	4.16E-06	3.60E-06	1.62E-06	5.83E-08	1.41E-06	9.89E-07	8.56E-07	2.55E-07	3.57E-06
490846.34, 3859817.22	0.02732	0.005534	1.92E-06	5.78E-06	4.57E-06	3.95E-06	1.78E-06	6.40E-08	1.55E-06	1.09E-06	9.39E-07	2.80E-07	3.91E-06
490925.65, 3859844.59	0.0272	0.005509	1.91E-06	5.76E-06	4.55E-06	3.94E-06	1.77E-06	6.37E-08	1.54E-06	1.08E-06	9.35E-07	2.79E-07	3.90E-06
491159.29, 3859896.28	0.02927	0.005929	2.05E-06	6.20E-06	4.89E-06	4.24E-06	1.90E-06	6.85E-08	1.66E-06	1.16E-06	1.01E-06	3.00E-07	4.19E-06
491370.69, 3859960.89	0.03653	0.007399	2.56E-06	7.73E-06	6.11E-06	5.29E-06	2.38E-06	8.55E-08	2.07E-06	1.45E-06	1.26E-06	3.75E-07	5.23E-06
491330.28, 3860063.17	0.04565	0.009247	3.20E-06	9.66E-06	7.63E-06	6.61E-06	2.97E-06	1.07E-07	2.58E-06	1.81E-06	1.57E-06	4.69E-07	6.54E-06
491636.45, 3860180.75	0.05188	0.010508	3.64E-06	1.10E-05	8.68E-06	7.51E-06	3.38E-06	1.21E-07	2.93E-06	2.06E-06	1.78E-06	5.32E-07	7.43E-06
491617.94, 3860203.93	0.05394	0.010926	3.78E-06	1.14E-05	9.02E-06	7.81E-06	3.51E-06	1.26E-07	3.05E-06	2.14E-06	1.85E-06	5.54E-07	7.73E-06
491805.68, 3860271.59	0.06074	0.012303	4.26E-06	1.29E-05	1.02E-05	8.79E-06	3.95E-06	1.42E-07	3.44E-06	2.41E-06	2.09E-06	6.23E-07	8.70E-06
491654.23, 3860414.02	0.06425	0.013014	4.51E-06	1.36E-05	1.07E-05	9.30E-06	4.18E-06	1.50E-07	3.63E-06	2.55E-06	2.21E-06	6.59E-07	9.21E-06
491592.62, 3860510.76	0.07174	0.014531	5.03E-06	1.52E-05	1.20E-05	1.04E-05	4.67E-06	1.68E-07	4.06E-06	2.85E-06	2.47E-06	7.36E-07	1.03E-05
491475.41, 3860368.93	0.06654	0.013478	4.67E-06	1.41E-05	1.11E-05	9.63E-06	4.33E-06	1.56E-07	3.76E-06	2.64E-06	2.29E-06	6.83E-07	9.53E-06
491445.61, 3860337.28	0.06505	0.013176	4.56E-06	1.38E-05	1.09E-05	9.41E-06	4.23E-06	1.52E-07	3.68E-06	2.58E-06	2.24E-06	6.68E-07	9.32E-06
491399.05, 3860300.37	0.06179	0.012516	4.33E-06	1.31E-05	1.03E-05	8.94E-06	4.02E-06	1.45E-07	3.49E-06	2.46E-06	2.12E-06	6.34E-07	8.85E-06
491228.84, 3860235.98	0.05684	0.011513	3.99E-06	1.20E-05	9.51E-06	8.22E-06	3.70E-06	1.33E-07	3.21E-06	2.26E-06	1.95E-06	5.83E-07	8.14E-06
491228.47, 3860174.57	0.05335	0.010806	3.74E-06	1.13E-05	8.92E-06	7.72E-06	3.47E-06	1.25E-07	3.02E-06	2.12E-06	1.83E-06	5.48E-07	7.64E-06
491145.77, 3860112.55	0.04764	0.00965	3.34E-06	1.01E-05	7.97E-06	6.89E-06	3.10E-06	1.12E-07	2.69E-06	1.89E-06	1.64E-06	4.89E-07	6.83E-06
490844.41, 3859966.22	0.03527	0.007144	2.47E-06	7.47E-06	5.90E-06	5.10E-06	2.29E-06	8.26E-08	1.99E-06	1.40E-06	1.21E-06	3.62E-07	5.05E-06
490845.55, 3859928.15	0.03368	0.006822	2.36E-06	7.13E-06	5.63E-06	4.87E-06	2.19E-06	7.89E-08	1.90E-06	1.34E-06	1.16E-06	3.46E-07	4.83E-06
490046.91, 3859625.6	0.02745	0.00556	1.92E-06	5.81E-06	4.59E-06	3.97E-06	1.79E-06	6.43E-08	1.55E-06	1.09E-06	9.44E-07	2.82E-07	3.93E-06
489970.48, 3859589.4	0.02634	0.005335	1.85E-06	5.58E-06	4.40E-06	3.81E-06	1.71E-06	6.17E-08	1.49E-06	1.05E-06	9.06E-07	2.70E-07	3.77E-06
489865.89, 3859529.06	0.02476	0.005015	1.74E-06	5.24E-06	4.14E-06	3.58E-06	1.61E-06	5.80E-08	1.40E-06	9.84E-07	8.51E-07	2.54E-07	3.55E-06
489826.89, 3859531.74	0.02468	0.004999	1.73E-06	5.23E-06	4.13E-06	3.57E-06	1.61E-06	5.78E-08	1.40E-06	9.81E-07	8.49E-07	2.53E-07	3.54E-06
489410.47, 3859303.06	0.02185	0.004426	1.53E-06	4.63E-06	3.65E-06	3.16E-06	1.42E-06	5.12E-08	1.24E-06	8.68E-07	7.51E-07	2.24E-07	3.13E-06
489407.15, 3859286.09	0.02162	0.004379	1.52E-06	4.58E-06	3.62E-06	3.13E-06	1.41E-06	5.06E-08	1.22E-06	8.59E-07	7.43E-07	2.22E-07	3.10E-06
488806.07, 3858963.62	0.01937	0.003923	1.36E-06	4.10E-06	3.24E-06	2.80E-06	1.26E-06	4.54E-08	1.10E-06	7.70E-07	6.66E-07	1.99E-07	2.78E-06
488817.64, 3859546.3	0.01881	0.00381	1.32E-06	3.98E-06	3.15E-06	2.72E-06	1.22E-06	4.40E-08	1.06E-06	7.47E-07	6.47E-07	1.93E-07	2.70E-06
489187.25, 3859549.52	0.02163	0.004381	1.52E-06	4.58E-06	3.62E-06	3.13E-06	1.41E-06	5.06E-08	1.22E-06	8.59E-07	7.44E-07	2.22E-07	3.10E-06
489187.66, 3859523.74	0.02193	0.004442	1.54E-06	4.64E-06	3.67E-06	3.17E-06	1.43E-06	5.13E-08	1.24E-06	8.71E-07	7.54E-07	2.25E-07	3.14E-06
489232.59, 3859522.85	0.02213	0.004483	1.55E-06	4.69E-06	3.70E-06	3.20E-06	1.44E-06	5.18E-08	1.25E-06	8.79E-07	7.61E-07	2.27E-07	3.17E-06
489224.98, 3859759.91	0.0208	0.004213	1.46E-06	4.40E-06	3.48E-06	3.01E-06	1.35E-06	4.87E-08	1.18E-06	8.26E-07	7.15E-07	2.13E-07	2.98E-06
488401.39, 3859763.34	0.02067	0.004187	1.45E-06	4.38E-06	3.46E-06	2.99E-06	1.34E-06	4.84E-08	1.17E-06	8.21E-07	7.11E-07	2.12E-07	2.96E-06
488405.51, 3859966.16	0.02227	0.004511	1.56E-06	4.71E-06	3.72E-06	3.22E-06	1.45E-06	5.21E-08	1.26E-06	8.85E-07	7.66E-07	2.29E-07	3.19E-06
489202.85, 3859956.57	0.02292	0.004643	1.61E-06	4.85E-06	3.83E-06	3.32E-06	1.49E-06	5.37E-08	1.30E-06	9.11E-07	7.88E-07	2.35E-07	3.28E-06
489191.9, 3860676.74	0.02667	0.005402	1.87E-06	5.65E-06	4.46E-06	3.86E-06	1.74E-06	6.24E-08	1.51E-06	1.06E-06	9.17E-07	2.74E-07	3.82E-06
488392.82, 3860687.88	0.02082	0.004217	1.46E-06	4.41E-06	3.48E-06	3.01E-06	1.35E-06	4.87E-08	1.18E-06	8.27E-07	7.16E-07	2.14E-07	2.98E-06
488392.82, 3860760.27	0.02031	0.004114	1.42E-06	4.30E-06	3.40E-06	2.94E-06	1.32E-06	4.76E-08	1.15E-06	8.07E-07	6.98E-07	2.08E-07	2.91E-06
487549.05, 3860777.45	0.01913	0.003875	1.34E-06	4.05E-06	3.20E-06	2.77E-06	1.24E-06	4.48E-08	1.08E-06	7.60E-07	6.58E-07	1.96E-07	2.74E-06
487554.62, 3859571.83	0.01805	0.003656	1.27E-06	3.82E-06	3.02E-06	2.61E-06	1.17E-06	4.23E-08	1.02E-06	7.17E-07	6.21E-07	1.85E-07	2.59E-06
485949.46, 3859558.54	0.01522	0.003083	1.07E-06	3.22E-06	2.55E-06	2.20E-06	9.90E-07	3.56E-08	8.61E-07	6.05E-07	5.23E-07	1.56E-07	2.18E-06

485947.55, 3857943.61	0.01401	0.002838	9.82E-07	2.97E-06	2.34E-06	2.03E-06	9.12E-07	3.28E-08	7.92E-07	5.57E-07	4.82E-07	1.44E-07	2.01E-06
484738.38, 3857940.21	0.0103	0.002086	7.22E-07	2.18E-06	1.72E-06	1.49E-06	6.70E-07	2.41E-08	5.83E-07	4.09E-07	3.54E-07	1.06E-07	1.48E-06
484737.06, 3857535.68	0.01229	0.002489	8.62E-07	2.60E-06	2.06E-06	1.78E-06	8.00E-07	2.88E-08	6.95E-07	4.88E-07	4.23E-07	1.26E-07	1.76E-06
483730.2, 3857530.13	0.00901	0.001825	6.32E-07	1.91E-06	1.51E-06	1.30E-06	5.86E-07	2.11E-08	5.10E-07	3.58E-07	3.10E-07	9.25E-08	1.29E-06
483727.27, 3857130.01	0.0106	0.002147	7.43E-07	2.24E-06	1.77E-06	1.53E-06	6.90E-07	2.48E-08	6.00E-07	4.21E-07	3.64E-07	1.09E-07	1.52E-06
483124.42, 3857123.45	0.00928	0.00188	6.51E-07	1.96E-06	1.55E-06	1.34E-06	6.04E-07	2.17E-08	5.25E-07	3.69E-07	3.19E-07	9.52E-08	1.33E-06
483111.13, 3855921.03	0.00681	0.001379	4.77E-07	1.44E-06	1.14E-06	9.85E-07	4.43E-07	1.59E-08	3.85E-07	2.71E-07	2.34E-07	6.99E-08	9.76E-07
482701.73, 3855918.24	0.00647	0.001311	4.54E-07	1.37E-06	1.08E-06	9.36E-07	4.21E-07	1.51E-08	3.66E-07	2.57E-07	2.22E-07	6.64E-08	9.27E-07
482668.02, 3853521.78	0.0051	0.001033	3.58E-07	1.08E-06	8.53E-07	7.38E-07	3.32E-07	1.19E-08	2.88E-07	2.03E-07	1.75E-07	5.23E-08	7.31E-07
482579.91, 3853219.19	0.00531	0.001076	3.72E-07	1.12E-06	8.88E-07	7.68E-07	3.46E-07	1.24E-08	3.00E-07	2.11E-07	1.83E-07	5.45E-08	7.61E-07
482434.06, 3852961.94	0.00526	0.001065	3.69E-07	1.11E-06	8.80E-07	7.61E-07	3.42E-07	1.23E-08	2.97E-07	2.09E-07	1.81E-07	5.40E-08	7.54E-07
482332.11, 3852832.85	0.00526	0.001065	3.69E-07	1.11E-06	8.80E-07	7.61E-07	3.42E-07	1.23E-08	2.97E-07	2.09E-07	1.81E-07	5.40E-08	7.54E-07
481334.99, 3851818.96	0.00438	0.000887	3.07E-07	9.27E-07	7.32E-07	6.34E-07	2.85E-07	1.03E-08	2.48E-07	1.74E-07	1.51E-07	4.50E-08	6.28E-07
481127.62, 3851646.36	0.00424	0.000859	2.97E-07	8.98E-07	7.09E-07	6.14E-07	2.76E-07	9.93E-09	2.40E-07	1.68E-07	1.46E-07	4.35E-08	6.07E-07
481025.04, 3851591.73	0.00419	0.000849	2.94E-07	8.87E-07	7.01E-07	6.06E-07	2.73E-07	9.81E-09	2.37E-07	1.66E-07	1.44E-07	4.30E-08	6.00E-07
480513.6, 3851335.76	0.00392	0.000794	2.75E-07	8.30E-07	6.56E-07	5.67E-07	2.55E-07	9.18E-09	2.22E-07	1.56E-07	1.35E-07	4.02E-08	5.62E-07
480523.56, 3851317.66	0.0039	0.00079	2.73E-07	8.26E-07	6.52E-07	5.64E-07	2.54E-07	9.13E-09	2.21E-07	1.55E-07	1.34E-07	4.00E-08	5.59E-07
476921.56, 3849569.11	0.00226	0.000458	1.58E-07	4.78E-07	3.78E-07	3.27E-07	1.47E-07	5.29E-09	1.28E-07	8.98E-08	7.77E-08	2.32E-08	3.24E-07
476521.19, 3849373.96	0.00202	0.000409	1.42E-07	4.28E-07	3.38E-07	2.92E-07	1.31E-07	4.73E-09	1.14E-07	8.03E-08	6.94E-08	2.07E-08	2.89E-07
476391.45, 3849333.38	0.00198	0.000401	1.39E-07	4.19E-07	3.31E-07	2.87E-07	1.29E-07	4.64E-09	1.12E-07	7.87E-08	6.81E-08	2.03E-08	2.84E-07
476219.41, 3849304.29	0.00191	0.000387	1.34E-07	4.04E-07	3.19E-07	2.76E-07	1.24E-07	4.47E-09	1.08E-07	7.59E-08	6.57E-08	1.96E-08	2.74E-07
475679.11, 3849218.47	0.00161	0.000326	1.13E-07	3.41E-07	2.69E-07	2.33E-07	1.05E-07	3.77E-09	9.11E-08	6.40E-08	5.54E-08	1.65E-08	2.31E-07
475677.71, 3849233.88	0.00163	0.00033	1.14E-07	3.45E-07	2.73E-07	2.36E-07	1.06E-07	3.82E-09	9.22E-08	6.48E-08	5.60E-08	1.67E-08	2.34E-07
475492.74, 3849204.66	0.00126	0.000255	8.83E-08	2.67E-07	2.11E-07	1.82E-07	8.20E-08	2.95E-09	7.13E-08	5.01E-08	4.33E-08	1.29E-08	1.81E-07
475497.64, 3849158.75	0.00136	0.000275	9.54E-08	2.88E-07	2.27E-07	1.97E-07	8.85E-08	3.18E-09	7.69E-08	5.40E-08	4.68E-08	1.40E-08	1.95E-07
475391.35, 3849141.94	0.00145	0.000294	1.02E-07	3.07E-07	2.42E-07	2.10E-07	9.43E-08	3.40E-09	8.20E-08	5.76E-08	4.99E-08	1.49E-08	2.08E-07
475277, 3849095.47	0.00148	0.0003	1.04E-07	3.13E-07	2.48E-07	2.14E-07	9.63E-08	3.47E-09	8.37E-08	5.88E-08	5.09E-08	1.52E-08	2.12E-07
475183.93, 3849025.66	0.00148	0.0003	1.04E-07	3.13E-07	2.48E-07	2.14E-07	9.63E-08	3.47E-09	8.37E-08	5.88E-08	5.09E-08	1.52E-08	2.12E-07
474453.23, 3848378.77	0.0014	0.000284	9.82E-08	2.96E-07	2.34E-07	2.03E-07	9.11E-08	3.28E-09	7.92E-08	5.56E-08	4.81E-08	1.44E-08	2.01E-07
474569.63, 3848399.34	0.00139	0.000282	9.75E-08	2.94E-07	2.32E-07	2.01E-07	9.04E-08	3.25E-09	7.86E-08	5.52E-08	4.78E-08	1.43E-08	1.99E-07
474644.33, 3848464.52	0.00141	0.000286	9.89E-08	2.99E-07	2.36E-07	2.04E-07	9.17E-08	3.30E-09	7.97E-08	5.60E-08	4.85E-08	1.45E-08	2.02E-07
474719.04, 3848529.7	0.00142	0.000288	9.96E-08	3.01E-07	2.37E-07	2.05E-07	9.24E-08	3.32E-09	8.03E-08	5.64E-08	4.88E-08	1.46E-08	2.03E-07
474793.74, 3848594.88	0.0014	0.000284	9.82E-08	2.96E-07	2.34E-07	2.03E-07	9.11E-08	3.28E-09	7.92E-08	5.56E-08	4.81E-08	1.44E-08	2.01E-07
474868.45, 3848660.07	0.00137	0.000277	9.61E-08	2.90E-07	2.29E-07	1.98E-07	8.91E-08	3.21E-09	7.75E-08	5.44E-08	4.71E-08	1.41E-08	1.96E-07
474943.15, 3848725.25	0.00136	0.000275	9.54E-08	2.88E-07	2.27E-07	1.97E-07	8.85E-08	3.18E-09	7.69E-08	5.40E-08	4.68E-08	1.40E-08	1.95E-07
475017.86, 3848790.43	0.00138	0.00028	9.68E-08	2.92E-07	2.31E-07	2.00E-07	8.98E-08	3.23E-09	7.80E-08	5.48E-08	4.74E-08	1.42E-08	1.98E-07
475092.56, 3848855.61	0.00141	0.000286	9.89E-08	2.99E-07	2.36E-07	2.04E-07	9.17E-08	3.30E-09	7.97E-08	5.60E-08	4.85E-08	1.45E-08	2.02E-07
475232.58, 3848959.38	0.00145	0.000294	1.02E-07	3.07E-07	2.42E-07	2.10E-07	9.43E-08	3.40E-09	8.20E-08	5.76E-08	4.99E-08	1.49E-08	2.08E-07
475368.47, 3849029.98	0.00145	0.000294	1.02E-07	3.07E-07	2.42E-07	2.10E-07	9.43E-08	3.40E-09	8.20E-08	5.76E-08	4.99E-08	1.49E-08	2.08E-07
475609.57, 3849096.09	0.00146	0.000296	1.02E-07	3.09E-07	2.44E-07	2.11E-07	9.50E-08	3.42E-09	8.26E-08	5.80E-08	5.02E-08	1.50E-08	2.09E-07
475680.68, 3849116.62	0.00153	0.00031	1.07E-07	3.24E-07	2.56E-07	2.21E-07	9.96E-08	3.58E-09	8.65E-08	6.08E-08	5.26E-08	1.57E-08	2.19E-07
475843.76, 3849151.52	0.00163	0.00033	1.14E-07	3.45E-07	2.73E-07	2.36E-07	1.06E-07	3.82E-09	9.22E-08	6.48E-08	5.60E-08	1.67E-08	2.34E-07
475935.73, 3849165.89	0.00173	0.00035	1.21E-07	3.66E-07	2.89E-07	2.50E-07	1.13E-07	4.05E-09	9.78E-08	6.87E-08	5.95E-08	1.78E-08	2.48E-07
476027.71, 3849180.26	0.00181	0.000367	1.27E-07	3.83E-07	3.03E-07	2.62E-07	1.18E-07	4.24E-09	1.02E-07	7.19E-08	6.22E-08	1.86E-08	2.59E-07
476119.68, 3849194.64	0.00179	0.000363	1.26E-07	3.79E-07	2.99E-07	2.59E-07	1.16E-07	4.19E-09	1.01E-07	7.11E-08	6.15E-08	1.84E-08	2.56E-07
476211.65, 3849209.01	0.00181	0.000367	1.27E-07	3.83E-07	3.03E-07	2.62E-07	1.18E-07	4.24E-09	1.02E-07	7.19E-08	6.22E-08	1.86E-08	2.59E-07
476497.8, 3849283.9	0.00194	0.000393	1.36E-07	4.11E-07	3.24E-07	2.81E-07	1.26E-07	4.54E-09	1.10E-07	7.71E-08	6.67E-08	1.99E-08	2.78E-07
476603.73, 3849323.77	0.00201	0.000407	1.41E-07	4.26E-07	3.36E-07	2.91E-07	1.31E-07	4.71E-09	1.14E-07	7.99E-08	6.91E-08	2.06E-08	2.88E-07
476728.99, 3849382.76	0.00208	0.000421	1.46E-07	4.40E-07	3.48E-07	3.01E-07	1.35E-07	4.87E-09	1.18E-07	8.26E-08	7.15E-08	2.13E-08	2.98E-07
476801.27, 3849418.65	0.00212	0.000429	1.49E-07	4.49E-07	3.55E-07	3.07E-07	1.38E-07	4.96E-09	1.20E-07	8.42E-08	7.29E-08	2.18E-08	3.04E-07
476956.2, 3849495.05	0.00221	0.000448	1.55E-07	4.68E-07	3.70E-07	3.20E-07	1.44E-07	5.17E-09	1.25E-07	8.78E-08	7.60E-08	2.27E-08	3.17E-07
477038.84, 3849535.56	0.00222	0.00045	1.56E-07	4.70E-07	3.71E-07	3.21E-07	1.44E-07	5.20E-09	1.26E-07	8.82E-08	7.63E-08	2.28E-08	3.18E-07
477121.48, 3849576.08	0.00227	0.00046	1.59E-07	4.81E-07	3.80E-07	3.28E-07	1.48E-07	5.31E-09	1.28E-07	9.02E-08	7.80E-08	2.33E-08	3.25E-07
477204.13, 3849616.6	0.00222	0.00045	1.56E-07	4.70E-07	3.71E-07	3.21E-07	1.44E-07	5.20E-09	1.26E-07	8.82E-08	7.63E-08	2.28E-08	3.18E-07
477286.78, 3849657.12	0.00214	0.000433	1.50E-07	4.53E-07	3.58E-07	3.10E-07	1.39E-07	5.01E-09	1.21E-07	8.50E-08	7.36E-08	2.20E-08	3.07E-07
477369.42, 3849697.63	0.00229	0.000464	1.61E-07	4.85E-07	3.83E-07	3.31E-07	1.49E-07	5.36E-09	1.30E-07	9.10E-08	7.87E-08	2.35E-08	3.28E-07
477452.07, 3849738.15	0.00236	0.000478	1.65E-07	5.00E-07	3.95E-07	3.41E-07	1.54E-07	5.53E-09	1.33E-07	9.38E-08	8.11E-08	2.42E-08	3.38E-07
477534.71, 3849778.67	0.00247	0.0005	1.73E-07	5.23E-07	4.13E-07	3.57E-07	1.61E-07	5.78E-09	1.40E-07	9.81E-08	8.49E-08	2.53E-08	3.54E-07
477617.35, 3849819.18	0.00249	0.000504	1.75E-07	5.27E-07	4.16E-07	3.60E-07	1.62E-07	5.83E-09	1.41E-07	9.89E-08	8.56E-08	2.56E-08	3.57E-07
477824.74, 3849896.37	0.00255	0.000517	1.79E-07	5.40E-07	4.26E-07	3.69E-07	1.66E-07	5.97E-09	1.44E-07	1.01E-07	8.77E-08	2.62E-08	3.65E-07
477906.31, 3849936.37	0.00249	0.000504	1.75E-07	5.27E-07	4.16E-07	3.60E-07	1.62E-07	5.83E-09	1.41E-07	9.89E-08	8.56E-08	2.56E-08	3.57E-07
477987.89, 3849976.36	0.00257	0.000521	1.80E-07	5.44E-07	4.30E-07	3.72E-07	1.67E-07	6.02E-09	1.45E-07	1.02E-07	8.84E-08	2.64E-08	3.68E-07
478069.47, 3850016.36	0.0025	0.000506	1.75E-07	5.29E-07	4.18E-07	3.62E-07	1.63E-07	5.85E-09	1.41E-07	9.93E-08	8.60E-08	2.57E-08	3.58E-07
478151.04, 3850056.35	0.00244	0.000494	1.71E-07	5.17E-07	4.08E-07	3.53E-07	1.59E-07	5.71E-09	1.38E-07	9.70E-08	8.39E-08	2.50E-08	3.50E-07
478232.62, 3850096.35	0.00247	0.0005	1.73E-07	5.23E-07	4.13E-07	3.57E-07	1.61E-07	5.78E-09	1.40E-07	9.81E-08	8.49E-08	2.53E-08	3.54E-07
478314.2, 3850136.34	0.00252	0.00051	1.77E-07	5.34E-07	4.21E-07	3.65E-07	1.64E-07	5.90E-09	1.43E-07	1.00E-07	8.66E-08	2.59E-08	3.61E-07
478395.77, 3850176.34	0.00256	0.000519	1.79E-07	5.42E-07	4.28E-07	3.70E-07	1.67E-07	5.99E-09	1.45E-07	1.02E-07	8.80E-08	2.63E-08	3.67E-07
478575.43, 3850244.45	0.00267	0.000541	1.87E-07	5.65E-07	4.47E-07	3.86E-07	1.74E-07	6.25E-09	1.51E-07	1.06E-07	9.18E-08	2.74E-08	3.83E-07
478665.06, 3850287.29	0.00273	0.000553	1.91E-07	5.78E-07	4.57E-07	3.95E-07	1.78E-07	6.39E-09	1.54E-07	1.08E-07	9.39E-08	2.80E-08	3.91E-07
478754.69, 3850330.14	0.0028	0.000567	1.96E-07	5.93E-07	4.68E-07	4.05E-07	1.82E-07	6.56E-09	1.58E-07	1.11E-07	9.63E-08	2.87E-08	4.01E-07
478844.32, 3850372.99	0.00289	0.000585	2.03E-07	6.12E-07	4.83E-07	4.18E-07	1.88E-07	6.77E-09	1.63E-07	1.15E-07	9.94E-08	2.97E-08	4.14E-07
478933.95, 3850415.84	0.003	0.000608	2.10E-07	6.35E-07	5.02E-07	4.34E-07	1.95E-07	7.02E-09	1.70E-07	1.19E-07	1.03E-07	3.08E-08	4.30E-07
479023.58, 3850458.68	0.003	0.000608	2.10E-07	6.35E-07	5.02E-07	4.34E-07	1.95E-07	7.02E-09	1.70E-07	1.19E-07	1.03E-07	3.08E-08	4.30E-07
479110.66, 3850441.9	0.00308	0.000624	2.16E-07	6.52E-07	5.15E-07	4.46E-07	2.00E-07	7.21E-09	1.74E-07	1.22E-07	1.06E-07	3.16E-08	4.41E-07
479191.22, 3850423.99	0.00308	0.000624	2.16E-07	6.52E-07	5.15E-07	4.46E-07	2.00E-07	7.21E-09	1.74E-07	1.22E-07	1.06E-07	3.16E-08	4.41E-07
479274.32, 3850465.71	0.00309	0.000626	2.17E-07	6.54E-07	5.17E-07	4.47E-07	2.01E-07	7.23E-09	1.75E-07	1.23E-07	1.06E-07	3.17E-08	4.43E-07
479357.43, 3850507.42	0.00303	0.000614	2.12E-07	6.41E-07	5.07E-07	4.38E-07	1.97E-07	7.09E-09	1.71E-07	1.20E-07	1.04E-07	3.11E-08	4.34E-07
479440.53, 3850549.14	0.00296	0.0006	2.08E-07	6.27E-07	4.95E-07	4.28E-07	1.93E-07	6.93E-09	1.67E-07	1.18E-07	1.02E-07	3.04E-08	4.24E-07
479523.64, 3850590.85	0.00292	0.000591	2.05E-07	6.18E-07	4.88E-07	4.23E-07	1.90E-07	6.84E-09	1.65E-07	1.16E-07	1.00E-07	3.00E-08	4.18E-07
479606.74, 3850632.57	0.00292	0.000591	2.05E-07	6.18E-07	4.88E-07	4.23E-07	1.90E-07	6.84E-09	1.65E-07	1.16E-07	1.00E-07	3.00E-08	4.18E-07
479777.37, 3850707.61	0.0029	0.000587	2.03E-07	6.14E-07	4.85E-07	4.20E-07	1.89E-07	6.79E-09	1.64E-07	1.15E-07	9.97E-08	2.98E-08	4.16E-07
479864.9, 3850740.95	0.00293	0.000593	2.05E-07	6.20E-07	4.90E-07	4.24E-07	1.91E-07	6.86E-09	1.66E-07	1.16E-07	1.01E-07	3.01E-08	4.20E-07
479931.87, 3850829.56	0.00304	0.000616	2.13E-07	6.44E-07	5.08E-07	4.40E-07	1.98E-07	7.12E-09	1.72E-07	1.21E-07	1.05E-07	3.12E-08	4.36E-07
479995.55, 3850926.75	0.00326	0.00066	2.29E-07	6.90E-07	5.45E-07	4.72E-07	2.12E-07	7.63E-09	1.84E-07	1.30E-07	1.12E-07	3.35E-08	4.67E-07
480079.78, 3850968.64	0.00336	0.000681	2.36E-07	7.11E-07	5.62E-07	4.86E-07	2.19E-07	7.87E-09	1.90E-07	1.34E-07	1.16E-07	3.45E-08	4.81E-07
480164.01, 3851010.54	0.00346	0.000701	2.43E-07	7.33E-07	5.79E-07	5.01E-07	2.25E-07	8.10E-09	1.96E-07	1.37E-07	1.19E-07	3.55E-08	4.96E-07
480248.23, 3851052.43	0.00356	0.000721	2.50E-07	7.54E-07	5.95E-07	5.15E-07	2.32E-07	8.34E-09	2.01E-07	1.41E-07	1.22E-07	3.65E-08	5.10E-07
480332.46, 3851094.33	0.00361	0.000731	2.53E-07	7.64E-07	6.04E-07	5.22E-07	2.35E-07	8.45E-09	2.04E-07	1.43E-07	1.24E-07	3.70E-08	5.17E-07
480416.69, 3851136.22	0.00359	0.000727	2.52E-07	7.60E-07	6.00E-07	5.19E-07	2.34E-07	8.41E-09	2.03E-07	1.43E-07	1.23E-07	3.68E-08	5.14E-07
480579.95, 3851215.17	0.00362	0.000733	2.54E-07	7.66E-07	6.05E-07	5.24E-07	2.36E-07	8.48E-09	2.05E-07	1.44E-07	1.24E-07	3.72E-08	5.19E-07
480658.98, 3851252.22	0.00365	0.000739	2.56E-07	7.73E-07	6.10E-07	5.28E-07	2.37E-07	8.55E-09	2.06E-07	1.45E-07	1.25E-07	3.75E-08	5.23E-07
480817.36, 3851327.85	0.00372	0.000753	2.61E-07	7.88E-07	6.22E-07	5.38E-07	2.42E-07	8.71E-09	2.10E-07	1.48E-07	1.28E-07	3.82E-08	5.33E-07
480896.71, 3851366.42	0.00373	0.000756	2.62E-07	7.90E-07	6.24E-07	5.40E-07	2.43E-07	8.73E-09	2.11E-07	1.48E-07	1.28E-07	3.83E-08	5.34E-07
480976.07, 3851405	0.00376	0.000762	2.64E-07	7.96E-07	6.29E-07	5.44E-07	2.45E-07	8.80E-09	2.13E-07	1.49E-07	1.29E-07	3.86E-08	5.39E-07
481178, 3851487.31	0.00379	0.000768	2.66E-07	8.02E-07	6.34E-07	5.48E-07	2.47E-07	8.87E-09	2.14E-07	1.51E-07	1.30E-07	3.89E-08	5.43E-07
481244.9, 3851557.17	0.00389	0.000788	2.73E-07	8.24E-07	6.51E-07	5.63E-07	2.53E-07	9.11E-09	2.20E-07	1.55E-07	1.34E-07	3.99E-08	5.57E-07
481311.81, 3851627.03	0.00396	0.000802	2.78E-07	8.38E-07	6.62E-07	5.73E-07	2.58E-07	9.27E-09	2.24E-07	1.57E-07	1.36E-07	4.06E-08	5.67E-07
481378.71, 3851696.89	0.00402	0.000814	2.82E-07	8.51E-07	6.72E-07	5.82E-07	2.62E-07	9.41E-09	2.27E-07	1.60E-07	1.38E-07	4.13E-08	5.76E-07
481445.61, 3851766.76	0.00408	0.000826	2.86E-07	8.64E-07	6.82E-07	5.90E-07	2.65E-07	9.55E-09	2.31E-07	1.62E-07	1.40E-07	4.19E-08	5.85E-07

481512.51, 3851836.62	0.00412	0.000835	2.89E-07	8.72E-07	6.89E-07	5.96E-07	2.68E-07	9.65E-09	2.33E-07	1.64E-07	1.42E-07	4.23E-08	5.90E-07
481579.42, 3851906.48	0.00415	0.000841	2.91E-07	8.79E-07	6.94E-07	6.01E-07	2.70E-07	9.72E-09	2.35E-07	1.65E-07	1.43E-07	4.26E-08	5.95E-07
481646.32, 3851976.34	0.0042	0.000851	2.94E-07	8.89E-07	7.02E-07	6.08E-07	2.73E-07	9.83E-09	2.38E-07	1.67E-07	1.44E-07	4.31E-08	6.02E-07
481713.22, 3852046.2	0.00415	0.000841	2.91E-07	8.79E-07	6.94E-07	6.01E-07	2.70E-07	9.72E-09	2.35E-07	1.65E-07	1.43E-07	4.26E-08	5.95E-07
481780.12, 3852116.06	0.00424	0.000859	2.97E-07	8.98E-07	7.09E-07	6.14E-07	2.76E-07	9.93E-09	2.40E-07	1.68E-07	1.46E-07	4.35E-08	6.07E-07
481847.03, 3852185.92	0.00438	0.000887	3.07E-07	9.27E-07	7.32E-07	6.34E-07	2.85E-07	1.03E-08	2.48E-07	1.74E-07	1.51E-07	4.50E-08	6.28E-07
481913.93, 3852255.78	0.00455	0.000922	3.19E-07	9.63E-07	7.61E-07	6.58E-07	2.96E-07	1.07E-08	2.57E-07	1.81E-07	1.56E-07	4.67E-08	6.52E-07
481980.83, 3852325.65	0.00476	0.000964	3.34E-07	1.01E-06	7.96E-07	6.89E-07	3.10E-07	1.11E-08	2.69E-07	1.89E-07	1.64E-07	4.89E-08	6.82E-07
482047.73, 3852395.51	0.00487	0.000986	3.41E-07	1.03E-06	8.14E-07	7.05E-07	3.17E-07	1.14E-08	2.75E-07	1.94E-07	1.67E-07	5.00E-08	6.98E-07
482114.64, 3852465.37	0.00505	0.001023	3.54E-07	1.07E-06	8.45E-07	7.31E-07	3.29E-07	1.18E-08	2.86E-07	2.01E-07	1.74E-07	5.18E-08	7.24E-07
482181.54, 3852535.23	0.00507	0.001027	3.55E-07	1.07E-06	8.48E-07	7.34E-07	3.30E-07	1.19E-08	2.87E-07	2.01E-07	1.74E-07	5.20E-08	7.26E-07
482338.69, 3852700.04	0.00524	0.001061	3.67E-07	1.11E-06	8.76E-07	7.58E-07	3.41E-07	1.23E-08	2.96E-07	2.08E-07	1.80E-07	5.38E-08	7.51E-07
482404.05, 3852767.78	0.00529	0.001072	3.71E-07	1.12E-06	8.85E-07	7.65E-07	3.44E-07	1.24E-08	2.99E-07	2.10E-07	1.82E-07	5.43E-08	7.58E-07
482469.4, 3852835.52	0.00534	0.001082	3.74E-07	1.13E-06	8.93E-07	7.73E-07	3.47E-07	1.25E-08	3.02E-07	2.12E-07	1.84E-07	5.48E-08	7.65E-07
482534.75, 3852903.25	0.00532	0.001078	3.73E-07	1.13E-06	8.90E-07	7.70E-07	3.46E-07	1.25E-08	3.01E-07	2.11E-07	1.83E-07	5.46E-08	7.62E-07
482600.11, 3852970.99	0.00536	0.001086	3.76E-07	1.13E-06	8.96E-07	7.76E-07	3.49E-07	1.25E-08	3.03E-07	2.13E-07	1.84E-07	5.50E-08	7.68E-07
482706.71, 3853119.28	0.00529	0.001072	3.71E-07	1.12E-06	8.85E-07	7.65E-07	3.44E-07	1.24E-08	2.99E-07	2.10E-07	1.82E-07	5.43E-08	7.58E-07
482747.96, 3853199.84	0.00532	0.001078	3.73E-07	1.13E-06	8.90E-07	7.70E-07	3.46E-07	1.25E-08	3.01E-07	2.11E-07	1.83E-07	5.46E-08	7.62E-07
482789.21, 3853280.4	0.00536	0.001086	3.76E-07	1.13E-06	8.96E-07	7.76E-07	3.49E-07	1.25E-08	3.03E-07	2.13E-07	1.84E-07	5.50E-08	7.68E-07
482830.46, 3853360.96	0.00534	0.001082	3.74E-07	1.13E-06	8.93E-07	7.73E-07	3.47E-07	1.25E-08	3.02E-07	2.12E-07	1.84E-07	5.48E-08	7.65E-07
482871.71, 3853441.52	0.0053	0.001074	3.72E-07	1.12E-06	8.86E-07	7.67E-07	3.45E-07	1.24E-08	3.00E-07	2.11E-07	1.82E-07	5.44E-08	7.59E-07
482912.95, 3853522.07	0.00514	0.001041	3.60E-07	1.09E-06	8.60E-07	7.44E-07	3.34E-07	1.20E-08	2.91E-07	2.04E-07	1.77E-07	5.28E-08	7.36E-07
482954.2, 3853602.63	0.005	0.001013	3.51E-07	1.06E-06	8.36E-07	7.24E-07	3.25E-07	1.17E-08	2.83E-07	1.99E-07	1.72E-07	5.13E-08	7.16E-07
482995.45, 3853683.19	0.00484	0.00098	3.39E-07	1.02E-06	8.09E-07	7.00E-07	3.15E-07	1.13E-08	2.74E-07	1.92E-07	1.66E-07	4.97E-08	6.93E-07
483036.7, 3853763.75	0.00468	0.000948	3.28E-07	9.91E-07	7.83E-07	6.77E-07	3.05E-07	1.10E-08	2.65E-07	1.86E-07	1.61E-07	4.80E-08	6.71E-07
483214.2, 3853909.91	0.00408	0.000826	2.86E-07	8.64E-07	6.82E-07	5.90E-07	2.65E-07	9.55E-09	2.31E-07	1.62E-07	1.40E-07	4.19E-08	5.85E-07
483307.01, 3853910.44	0.00417	0.000845	2.92E-07	8.83E-07	6.97E-07	6.03E-07	2.71E-07	9.76E-09	2.36E-07	1.66E-07	1.43E-07	4.28E-08	5.97E-07
483399.83, 3853910.96	0.00419	0.000849	2.94E-07	8.87E-07	7.01E-07	6.06E-07	2.73E-07	9.81E-09	2.37E-07	1.66E-07	1.44E-07	4.30E-08	6.00E-07
483494.52, 3854009.24	0.00419	0.000849	2.94E-07	8.87E-07	7.01E-07	6.06E-07	2.73E-07	9.81E-09	2.37E-07	1.66E-07	1.44E-07	4.30E-08	6.00E-07
483496.41, 3854106.98	0.00415	0.000841	2.91E-07	8.79E-07	6.94E-07	6.01E-07	2.70E-07	9.72E-09	2.35E-07	1.65E-07	1.43E-07	4.26E-08	5.95E-07
483577.56, 3854261.96	0.00377	0.000764	2.64E-07	7.98E-07	6.30E-07	5.46E-07	2.45E-07	8.83E-09	2.13E-07	1.50E-07	1.30E-07	3.87E-08	5.40E-07
483656.83, 3854319.19	0.00358	0.000725	2.51E-07	7.58E-07	5.99E-07	5.18E-07	2.33E-07	8.38E-09	2.02E-07	1.42E-07	1.23E-07	3.67E-08	5.13E-07
483736.1, 3854376.41	0.0034	0.000689	2.38E-07	7.20E-07	5.69E-07	4.92E-07	2.21E-07	7.96E-09	1.92E-07	1.35E-07	1.17E-07	3.49E-08	4.87E-07
483815.36, 3854433.64	0.00325	0.000658	2.28E-07	6.88E-07	5.44E-07	4.70E-07	2.11E-07	7.61E-09	1.84E-07	1.29E-07	1.12E-07	3.34E-08	4.66E-07
483894.63, 3854490.87	0.0031	0.000628	2.17E-07	6.56E-07	5.18E-07	4.49E-07	2.02E-07	7.26E-09	1.75E-07	1.23E-07	1.07E-07	3.18E-08	4.44E-07
483973.9, 3854548.09	0.00297	0.000602	2.08E-07	6.29E-07	4.97E-07	4.30E-07	1.93E-07	6.95E-09	1.68E-07	1.18E-07	1.02E-07	3.05E-08	4.26E-07
484053.17, 3854605.32	0.00291	0.000589	2.04E-07	6.16E-07	4.87E-07	4.21E-07	1.89E-07	6.81E-09	1.65E-07	1.16E-07	1.00E-07	2.99E-08	4.17E-07
484214.97, 3854698.15	0.00276	0.000559	1.94E-07	5.84E-07	4.62E-07	3.99E-07	1.80E-07	6.46E-09	1.56E-07	1.10E-07	9.49E-08	2.83E-08	3.95E-07
484297.5, 3854733.74	0.00283	0.000573	1.98E-07	5.99E-07	4.73E-07	4.10E-07	1.84E-07	6.63E-09	1.60E-07	1.12E-07	9.73E-08	2.90E-08	4.05E-07
484380.03, 3854769.34	0.00284	0.000575	1.99E-07	6.01E-07	4.75E-07	4.11E-07	1.85E-07	6.65E-09	1.61E-07	1.13E-07	9.76E-08	2.91E-08	4.07E-07
484462.56, 3854804.94	0.00302	0.000612	2.12E-07	6.39E-07	5.05E-07	4.37E-07	1.97E-07	7.07E-09	1.71E-07	1.20E-07	1.04E-07	3.10E-08	4.33E-07
484545.09, 3854840.53	0.00302	0.000612	2.12E-07	6.39E-07	5.05E-07	4.37E-07	1.97E-07	7.07E-09	1.71E-07	1.20E-07	1.04E-07	3.10E-08	4.33E-07
484691.88, 3854912.58	0.0032	0.000648	2.24E-07	6.77E-07	5.35E-07	4.63E-07	2.08E-07	7.49E-09	1.81E-07	1.27E-07	1.10E-07	3.28E-08	4.58E-07
484830.81, 3855012.51	0.00325	0.000658	2.28E-07	6.88E-07	5.44E-07	4.70E-07	2.11E-07	7.61E-09	1.84E-07	1.29E-07	1.12E-07	3.34E-08	4.66E-07
484905.48, 3855075.97	0.00355	0.000719	2.49E-07	7.52E-07	5.94E-07	5.14E-07	2.31E-07	8.31E-09	2.01E-07	1.41E-07	1.22E-07	3.64E-08	5.09E-07
484980.14, 3855139.44	0.00368	0.000745	2.58E-07	7.79E-07	6.15E-07	5.32E-07	2.39E-07	8.62E-09	2.08E-07	1.46E-07	1.27E-07	3.78E-08	5.27E-07
485054.81, 3855202.91	0.00374	0.000758	2.62E-07	7.92E-07	6.25E-07	5.41E-07	2.43E-07	8.76E-09	2.12E-07	1.49E-07	1.29E-07	3.84E-08	5.36E-07
485129.48, 3855266.37	0.00369	0.000747	2.59E-07	7.81E-07	6.17E-07	5.34E-07	2.40E-07	8.64E-09	2.09E-07	1.47E-07	1.27E-07	3.79E-08	5.29E-07
485204.15, 3855329.84	0.00384	0.000778	2.69E-07	8.13E-07	6.42E-07	5.56E-07	2.50E-07	8.99E-09	2.17E-07	1.53E-07	1.32E-07	3.94E-08	5.50E-07
485278.82, 3855393.31	0.00389	0.000788	2.73E-07	8.24E-07	6.51E-07	5.63E-07	2.53E-07	9.11E-09	2.20E-07	1.55E-07	1.34E-07	3.99E-08	5.57E-07
485353.48, 3855456.77	0.00399	0.000808	2.80E-07	8.45E-07	6.67E-07	5.77E-07	2.60E-07	9.34E-09	2.26E-07	1.59E-07	1.37E-07	4.09E-08	5.72E-07
485428.15, 3855520.24	0.00403	0.000816	2.83E-07	8.53E-07	6.74E-07	5.83E-07	2.62E-07	9.44E-09	2.28E-07	1.60E-07	1.39E-07	4.14E-08	5.77E-07
485502.82, 3855583.71	0.00409	0.000828	2.87E-07	8.66E-07	6.84E-07	5.92E-07	2.66E-07	9.58E-09	2.31E-07	1.63E-07	1.41E-07	4.20E-08	5.86E-07
485577.49, 3855647.17	0.00426	0.000863	2.99E-07	9.02E-07	7.12E-07	6.16E-07	2.77E-07	9.97E-09	2.41E-07	1.69E-07	1.46E-07	4.37E-08	6.10E-07
485652.16, 3855710.64	0.00444	0.000899	3.11E-07	9.40E-07	7.43E-07	6.42E-07	2.89E-07	1.04E-08	2.51E-07	1.76E-07	1.53E-07	4.56E-08	6.36E-07
485726.83, 3855774.1	0.00451	0.000914	3.16E-07	9.55E-07	7.54E-07	6.53E-07	2.93E-07	1.06E-08	2.55E-07	1.79E-07	1.55E-07	4.63E-08	6.46E-07
485801.49, 3855837.57	0.00453	0.000918	3.18E-07	9.59E-07	7.58E-07	6.55E-07	2.95E-07	1.06E-08	2.56E-07	1.80E-07	1.56E-07	4.65E-08	6.49E-07
485876.16, 3855901.04	0.00461	0.000934	3.23E-07	9.76E-07	7.71E-07	6.67E-07	3.00E-07	1.08E-08	2.61E-07	1.83E-07	1.58E-07	4.73E-08	6.61E-07
485950.83, 3855964.5	0.00464	0.00094	3.25E-07	9.82E-07	7.76E-07	6.71E-07	3.02E-07	1.09E-08	2.62E-07	1.84E-07	1.60E-07	4.76E-08	6.65E-07
486025.5, 3856027.97	0.0046	0.000932	3.23E-07	9.74E-07	7.69E-07	6.66E-07	2.99E-07	1.08E-08	2.60E-07	1.83E-07	1.58E-07	4.72E-08	6.59E-07
486100.17, 3856091.44	0.00486	0.000984	3.41E-07	1.03E-06	8.13E-07	7.03E-07	3.16E-07	1.14E-08	2.75E-07	1.93E-07	1.67E-07	4.99E-08	6.96E-07
486174.83, 3856154.9	0.00479	0.00097	3.36E-07	1.01E-06	8.01E-07	6.93E-07	3.12E-07	1.12E-08	2.71E-07	1.90E-07	1.65E-07	4.92E-08	6.86E-07
486249.5, 3856218.37	0.00456	0.000924	3.20E-07	9.65E-07	7.63E-07	6.60E-07	2.97E-07	1.07E-08	2.58E-07	1.81E-07	1.57E-07	4.68E-08	6.53E-07
486324.17, 3856281.84	0.00442	0.000895	3.10E-07	9.36E-07	7.39E-07	6.40E-07	2.88E-07	1.03E-08	2.50E-07	1.76E-07	1.52E-07	4.54E-08	6.33E-07
486398.84, 3856345.3	0.00455	0.000922	3.19E-07	9.63E-07	7.61E-07	6.58E-07	2.96E-07	1.07E-08	2.57E-07	1.81E-07	1.56E-07	4.67E-08	6.52E-07
486473.51, 3856408.77	0.00461	0.000934	3.23E-07	9.76E-07	7.71E-07	6.67E-07	3.00E-07	1.08E-08	2.61E-07	1.83E-07	1.58E-07	4.73E-08	6.61E-07
486548.17, 3856472.24	0.00476	0.000964	3.34E-07	1.01E-06	7.96E-07	6.89E-07	3.10E-07	1.11E-08	2.69E-07	1.89E-07	1.64E-07	4.89E-08	6.82E-07
486622.84, 3856535.7	0.00493	0.000999	3.46E-07	1.04E-06	8.24E-07	7.13E-07	3.21E-07	1.15E-08	2.79E-07	1.96E-07	1.69E-07	5.06E-08	7.06E-07
486765.48, 3856659.69	0.00536	0.001086	3.76E-07	1.13E-06	8.96E-07	7.76E-07	3.49E-07	1.25E-08	3.03E-07	2.13E-07	1.84E-07	5.50E-08	7.68E-07
486833.44, 3856720.2	0.00555	0.001124	3.89E-07	1.17E-06	9.28E-07	8.03E-07	3.61E-07	1.30E-08	3.14E-07	2.21E-07	1.91E-07	5.70E-08	7.95E-07
486901.41, 3856780.72	0.00579	0.001173	4.06E-07	1.23E-06	9.68E-07	8.38E-07	3.77E-07	1.36E-08	3.27E-07	2.30E-07	1.99E-07	5.94E-08	8.30E-07
486969.38, 3856841.24	0.00601	0.001217	4.21E-07	1.27E-06	1.01E-06	8.70E-07	3.91E-07	1.41E-08	3.40E-07	2.39E-07	2.07E-07	6.17E-08	8.61E-07
487037.34, 3856901.75	0.00623	0.001262	4.37E-07	1.32E-06	1.04E-06	9.01E-07	4.05E-07	1.46E-08	3.52E-07	2.48E-07	2.14E-07	6.39E-08	8.93E-07
487271.23, 3856855.51	0.0062	0.001256	4.35E-07	1.31E-06	1.04E-06	8.97E-07	4.03E-07	1.45E-08	3.51E-07	2.46E-07	2.13E-07	6.36E-08	8.88E-07
487368.95, 3856857.29	0.00626	0.001268	4.39E-07	1.33E-06	1.05E-06	9.06E-07	4.07E-07	1.47E-08	3.54E-07	2.49E-07	2.15E-07	6.42E-08	8.97E-07
487466.68, 3856859.06	0.00638	0.001292	4.47E-07	1.35E-06	1.07E-06	9.23E-07	4.15E-07	1.49E-08	3.61E-07	2.54E-07	2.19E-07	6.55E-08	9.14E-07
487636.44, 3856930	0.00675	0.001367	4.73E-07	1.43E-06	1.13E-06	9.77E-07	4.39E-07	1.58E-08	3.82E-07	2.68E-07	2.32E-07	6.93E-08	9.67E-07
487709.57, 3856928.43	0.00688	0.001394	4.82E-07	1.46E-06	1.15E-06	9.96E-07	4.48E-07	1.61E-08	3.89E-07	2.73E-07	2.37E-07	7.06E-08	9.86E-07
487782.55, 3856841.96	0.00683	0.001383	4.79E-07	1.45E-06	1.14E-06	9.88E-07	4.44E-07	1.60E-08	3.86E-07	2.71E-07	2.35E-07	7.01E-08	9.79E-07
487849.83, 3856754.74	0.00689	0.001396	4.83E-07	1.46E-06	1.15E-06	9.97E-07	4.48E-07	1.61E-08	3.90E-07	2.74E-07	2.37E-07	7.07E-08	9.87E-07
487918.03, 3856819.39	0.0072	0.001458	5.05E-07	1.52E-06	1.20E-06	1.04E-06	4.68E-07	1.69E-08	4.07E-07	2.86E-07	2.48E-07	7.39E-08	1.03E-06
487918.8, 3856886.37	0.0073	0.001479	5.12E-07	1.55E-06	1.22E-06	1.06E-06	4.75E-07	1.71E-08	4.13E-07	2.90E-07	2.51E-07	7.49E-08	1.05E-06
488065.46, 3857127.5	0.00792	0.001604	5.55E-07	1.68E-06	1.32E-06	1.15E-06	5.15E-07	1.85E-08	4.48E-07	3.15E-07	2.72E-07	8.13E-08	1.13E-06
488192.19, 3857385.83	0.00927	0.001878	6.50E-07	1.96E-06	1.55E-06	1.34E-06	6.03E-07	2.17E-08	5.24E-07	3.68E-07	3.19E-07	9.51E-08	1.33E-06
488191.21, 3857473.87	0.00977	0.001979	6.85E-07	2.07E-06	1.63E-06	1.41E-06	6.36E-07	2.29E-08	5.53E-07	3.88E-07	3.36E-07	1.00E-07	1.40E-06
488190.24, 3857561.9	0.01026	0.002078	7.19E-07	2.17E-06	1.72E-06	1.48E-06	6.68E-07	2.40E-08	5.80E-07	4.08E-07	3.53E-07	1.05E-07	1.47E-06
488158.35, 3857691.13	0.01073	0.002173	7.52E-07	2.27E-06	1.79E-06	1.55E-06	6.98E-07	2.51E-08	6.07E-07	4.26E-07	3.69E-07	1.10E-07	1.54E-06
488208.37, 3857816.66	0.01131	0.002291	7.93E-07	2.39E-06	1.89E-06	1.64E-06	7.36E-07	2.65E-08	6.40E-07	4.49E-07	3.89E-07	1.16E-07	1.62E-06
488271.97, 3857874.6	0.01172	0.002374	8.22E-07	2.48E-06	1.96E-06	1.70E-06	7.63E-07	2.74E-08	6.63E-07	4.66E-07	4.03E-07	1.20E-07	1.68E-06
488463.56, 3857942.31	0.01277	0.002587	8.95E-07	2.70E-06	2.14E-06	1.85E-06	8.31E-07	2.99E-08	7.22E-07	5.07E-07	4.39E-07	1.31E-07	1.83E-06
488554.83, 3857940.83	0.01304	0.002641	9.14E-07	2.76E-06	2.18E-06	1.89E-06	8.48E-07	3.05E-08	7.38E-07	5.18E-07	4.48E-07	1.34E-07	1.87E-06
488646.1, 3857939.36	0.01326	0.002686	9.30E-07	2.81E-06	2.22E-06	1.92E-06	8.63E-07	3.10E-08	7.50E-07	5.27E-07	4.56E-07	1.36E-07	1.90E-06
488737.37, 3857937.88	0.01341	0.002716	9.40E-07	2.84E-06	2.24E-06	1.94E-06	8.73E-07	3.14E-08	7.58E-07	5.33E-07	4.61E-07	1.38E-07	1.92E-06
488733.59, 3857960.57	0.01343	0.00272	9.42E-07	2.84E-06	2.25E-06	1.94E-06	8.74E-07	3.14E-08	7.60E-07	5.34E-07	4.62E-07	1.38E-07	1.92E-06
488638.09, 3857961.57	0.01329	0.002692	9.32E-07	2.81E-06	2.22E-06	1.92E-06	8.65E-07	3.11E-08	7.52E-07	5.28E-07	4.57E-07	1.36E-07	1.90E-06
488542.6, 3857962.56	0.0131	0.002653	9.19E-07	2.77E-06	2.19E-06	1.90E-06	8.52E-07	3.07E-08	7.41E-07	5.21E-07	4.50E-07	1.34E-07	1.88E-06
488447.1, 3857963.56	0.0128	0.002593	8.97E-07	2.71E-06	2.14E-06	1.85E-06	8.33E-07	3.00E-08	7.24E-07	5.09E-07	4.40E-07	1.31E-07	1.83E-06
488254.28, 3857890.36	0.01173	0.002376	8.22E-07	2.48E-06	1.96E-06	1.70E-06	7.63E-07	2.75E-08	6.63E-07	4.66E-07	4.03E-07	1.20E-07	1.68E-06
488191.69, 3857833.06	0.01127	0.002283	7.90E-07	2.39E-06	1.88E-06	1.63E-06	7.33E-07	2.64E-08	6.37E-07	4.48E-07	3.87E-07	1.16E-07	1.61E-06

488129.5, 3857907.43	0.01137	0.002303	7.97E-07	2.41E-06	1.90E-06	1.65E-06	7.40E-07	2.66E-08	6.43E-07	4.52E-07	3.91E-07	1.17E-07	1.63E-06
488196.47, 3857968.73	0.01178	0.002386	8.26E-07	2.49E-06	1.97E-06	1.70E-06	7.66E-07	2.76E-08	6.66E-07	4.68E-07	4.05E-07	1.21E-07	1.69E-06
488263.44, 3858030.04	0.01211	0.002453	8.49E-07	2.56E-06	2.03E-06	1.75E-06	7.88E-07	2.84E-08	6.85E-07	4.81E-07	4.16E-07	1.24E-07	1.74E-06
488400.64, 3858132.9	0.01282	0.002597	8.99E-07	2.71E-06	2.14E-06	1.86E-06	8.34E-07	3.00E-08	7.25E-07	5.09E-07	4.41E-07	1.32E-07	1.84E-06
488519.89, 3858218.38	0.01434	0.002905	1.01E-06	3.04E-06	2.40E-06	2.08E-06	9.33E-07	3.36E-08	8.11E-07	5.70E-07	4.93E-07	1.47E-07	2.05E-06
488647.97, 3858214.99	0.01474	0.002986	1.03E-06	3.12E-06	2.46E-06	2.13E-06	9.59E-07	3.45E-08	8.34E-07	5.86E-07	5.07E-07	1.51E-07	2.11E-06
488727.05, 3858167.67	0.01465	0.002967	1.03E-06	3.10E-06	2.45E-06	2.12E-06	9.53E-07	3.43E-08	8.29E-07	5.82E-07	5.04E-07	1.50E-07	2.10E-06
488806.12, 3858120.35	0.01441	0.002919	1.01E-06	3.05E-06	2.41E-06	2.09E-06	9.38E-07	3.37E-08	8.15E-07	5.73E-07	4.95E-07	1.48E-07	2.06E-06
488885.2, 3858073.03	0.01416	0.002868	9.93E-07	3.00E-06	2.37E-06	2.05E-06	9.21E-07	3.32E-08	8.01E-07	5.63E-07	4.87E-07	1.45E-07	2.03E-06
489055.76, 3857991.17	0.01366	0.002767	9.58E-07	2.89E-06	2.28E-06	1.98E-06	8.89E-07	3.20E-08	7.73E-07	5.43E-07	4.70E-07	1.40E-07	1.96E-06
489245.39, 3857944.54	0.01296	0.002625	9.09E-07	2.74E-06	2.17E-06	1.88E-06	8.43E-07	3.03E-08	7.33E-07	5.15E-07	4.46E-07	1.33E-07	1.86E-06
489430.63, 3857930.91	0.01273	0.002579	8.93E-07	2.70E-06	2.13E-06	1.84E-06	8.28E-07	2.98E-08	7.20E-07	5.06E-07	4.38E-07	1.31E-07	1.82E-06
489517.74, 3857929.36	0.01264	0.00256	8.86E-07	2.68E-06	2.11E-06	1.83E-06	8.22E-07	2.96E-08	7.15E-07	5.02E-07	4.35E-07	1.30E-07	1.81E-06
489604.85, 3857927.82	0.0125	0.002532	8.76E-07	2.65E-06	2.09E-06	1.81E-06	8.13E-07	2.93E-08	7.07E-07	4.97E-07	4.30E-07	1.28E-07	1.79E-06
489691.97, 3857926.28	0.01254	0.00254	8.79E-07	2.65E-06	2.10E-06	1.81E-06	8.16E-07	2.94E-08	7.09E-07	4.98E-07	4.31E-07	1.29E-07	1.80E-06
489779.08, 3857924.73	0.01257	0.002546	8.81E-07	2.66E-06	2.10E-06	1.82E-06	8.18E-07	2.94E-08	7.11E-07	4.99E-07	4.32E-07	1.29E-07	1.80E-06
490017.55, 3857875.08	0.01235	0.002502	8.66E-07	2.61E-06	2.07E-06	1.79E-06	8.04E-07	2.89E-08	6.98E-07	4.91E-07	4.25E-07	1.27E-07	1.77E-06
490033.82, 3857960.81	0.01283	0.002599	9.00E-07	2.72E-06	2.15E-06	1.86E-06	8.35E-07	3.00E-08	7.26E-07	5.10E-07	4.41E-07	1.32E-07	1.84E-06
489959.15, 3857987.49	0.01272	0.002576	8.92E-07	2.69E-06	2.13E-06	1.84E-06	8.28E-07	2.98E-08	7.19E-07	5.05E-07	4.37E-07	1.31E-07	1.82E-06
489791.49, 3858016.12	0.01267	0.002566	8.88E-07	2.68E-06	2.12E-06	1.83E-06	8.24E-07	2.97E-08	7.17E-07	5.03E-07	4.36E-07	1.30E-07	1.82E-06
489698.51, 3858018.07	0.01273	0.002579	8.93E-07	2.70E-06	2.13E-06	1.84E-06	8.28E-07	2.98E-08	7.20E-07	5.06E-07	4.38E-07	1.31E-07	1.82E-06
489605.52, 3858020.01	0.01285	0.002603	9.01E-07	2.72E-06	2.15E-06	1.86E-06	8.36E-07	3.01E-08	7.27E-07	5.11E-07	4.42E-07	1.32E-07	1.84E-06
489512.53, 3858021.96	0.01303	0.002639	9.14E-07	2.76E-06	2.18E-06	1.89E-06	8.48E-07	3.05E-08	7.37E-07	5.18E-07	4.48E-07	1.34E-07	1.87E-06
489419.55, 3858023.91	0.01331	0.002696	9.33E-07	2.82E-06	2.23E-06	1.93E-06	8.66E-07	3.12E-08	7.53E-07	5.29E-07	4.58E-07	1.37E-07	1.91E-06
489228.47, 3858041.29	0.01318	0.00267	9.24E-07	2.79E-06	2.20E-06	1.91E-06	8.58E-07	3.09E-08	7.45E-07	5.24E-07	4.53E-07	1.35E-07	1.89E-06
489065.75, 3858085.78	0.01384	0.002803	9.70E-07	2.93E-06	2.31E-06	2.00E-06	9.01E-07	3.24E-08	7.83E-07	5.50E-07	4.76E-07	1.42E-07	1.98E-06
489001.12, 3858114.86	0.01403	0.002842	9.84E-07	2.97E-06	2.35E-06	2.03E-06	9.13E-07	3.28E-08	7.93E-07	5.57E-07	4.82E-07	1.44E-07	2.01E-06
488861.89, 3858189.81	0.0143	0.002897	1.00E-06	3.03E-06	2.39E-06	2.07E-06	9.30E-07	3.35E-08	8.09E-07	5.68E-07	4.92E-07	1.47E-07	2.05E-06
488787.29, 3858235.69	0.01481	0.003	1.04E-06	3.14E-06	2.48E-06	2.14E-06	9.64E-07	3.47E-08	8.38E-07	5.88E-07	5.09E-07	1.52E-07	2.12E-06
488712.68, 3858281.57	0.01465	0.002967	1.03E-06	3.10E-06	2.45E-06	2.12E-06	9.53E-07	3.43E-08	8.29E-07	5.82E-07	5.04E-07	1.50E-07	2.10E-06
488654.39, 3858436.17	0.01532	0.003103	1.07E-06	3.24E-06	2.56E-06	2.22E-06	9.97E-07	3.59E-08	8.66E-07	6.09E-07	5.27E-07	1.57E-07	2.19E-06
488726.3, 3858505.26	0.0156	0.00316	1.09E-06	3.30E-06	2.61E-06	2.26E-06	1.02E-06	3.65E-08	8.82E-07	6.20E-07	5.36E-07	1.60E-07	2.24E-06
488880.6, 3858599.28	0.01586	0.003213	1.11E-06	3.36E-06	2.65E-06	2.29E-06	1.03E-06	3.71E-08	8.97E-07	6.30E-07	5.45E-07	1.63E-07	2.27E-06
489008.06, 3858714.75	0.01626	0.003294	1.14E-06	3.44E-06	2.72E-06	2.35E-06	1.06E-06	3.81E-08	9.20E-07	6.46E-07	5.59E-07	1.67E-07	2.33E-06
489071.48, 3858772.72	0.01641	0.003324	1.15E-06	3.47E-06	2.74E-06	2.37E-06	1.07E-06	3.84E-08	9.28E-07	6.52E-07	5.64E-07	1.68E-07	2.35E-06
489244.59, 3858920.19	0.01718	0.00348	1.20E-06	3.64E-06	2.87E-06	2.49E-06	1.12E-06	4.02E-08	9.72E-07	6.83E-07	5.91E-07	1.76E-07	2.46E-06
489239.69, 3858952.23	0.01752	0.003549	1.23E-06	3.71E-06	2.93E-06	2.54E-06	1.14E-06	4.10E-08	9.91E-07	6.96E-07	6.02E-07	1.80E-07	2.51E-06
489121.67, 3858854.49	0.01695	0.003433	1.19E-06	3.59E-06	2.83E-06	2.45E-06	1.10E-06	3.97E-08	9.59E-07	6.73E-07	5.83E-07	1.74E-07	2.43E-06
489059.59, 3858797.27	0.01665	0.003373	1.17E-06	3.52E-06	2.78E-06	2.41E-06	1.08E-06	3.90E-08	9.42E-07	6.62E-07	5.72E-07	1.71E-07	2.39E-06
488997.52, 3858740.04	0.01629	0.0033	1.14E-06	3.45E-06	2.72E-06	2.36E-06	1.06E-06	3.81E-08	9.21E-07	6.47E-07	5.60E-07	1.67E-07	2.33E-06
488935.44, 3858682.82	0.01615	0.003271	1.13E-06	3.42E-06	2.70E-06	2.34E-06	1.05E-06	3.78E-08	9.13E-07	6.42E-07	5.55E-07	1.66E-07	2.31E-06
488869.17, 3858848.43	0.0177	0.003585	1.24E-06	3.75E-06	2.96E-06	2.56E-06	1.15E-06	4.14E-08	1.00E-06	7.03E-07	6.09E-07	1.82E-07	2.54E-06
488932.48, 3858892.69	0.01807	0.00366	1.27E-06	3.83E-06	3.02E-06	2.61E-06	1.18E-06	4.23E-08	1.02E-06	7.18E-07	6.21E-07	1.85E-07	2.59E-06
489063.27, 3858977.17	0.01837	0.003721	1.29E-06	3.89E-06	3.07E-06	2.66E-06	1.20E-06	4.30E-08	1.04E-06	7.30E-07	6.32E-07	1.89E-07	2.63E-06
489248.2, 3859117.15	0.01936	0.003921	1.36E-06	4.10E-06	3.24E-06	2.80E-06	1.26E-06	4.53E-08	1.09E-06	7.69E-07	6.66E-07	1.99E-07	2.77E-06
489296.25, 3859049.22	0.01857	0.003761	1.30E-06	3.93E-06	3.11E-06	2.69E-06	1.21E-06	4.35E-08	1.05E-06	7.38E-07	6.38E-07	1.91E-07	2.66E-06
489353.38, 3858993.96	0.01773	0.003591	1.24E-06	3.75E-06	2.97E-06	2.57E-06	1.15E-06	4.15E-08	1.00E-06	7.04E-07	6.10E-07	1.82E-07	2.54E-06
489537.24, 3859120.22	0.01857	0.003761	1.30E-06	3.93E-06	3.11E-06	2.69E-06	1.21E-06	4.35E-08	1.05E-06	7.38E-07	6.38E-07	1.91E-07	2.66E-06
489726.98, 3859246.04	0.02012	0.004075	1.41E-06	4.26E-06	3.36E-06	2.91E-06	1.31E-06	4.71E-08	1.14E-06	7.99E-07	6.92E-07	2.06E-07	2.88E-06
489911.46, 3859366.33	0.02109	0.004272	1.48E-06	4.46E-06	3.53E-06	3.05E-06	1.37E-06	4.94E-08	1.19E-06	8.38E-07	7.25E-07	2.16E-07	3.02E-06
490035.3, 3859430.26	0.02326	0.004711	1.63E-06	4.92E-06	3.89E-06	3.37E-06	1.51E-06	5.45E-08	1.32E-06	9.24E-07	8.00E-07	2.39E-07	3.33E-06
490101.11, 3859458.61	0.02376	0.004813	1.67E-06	5.03E-06	3.97E-06	3.44E-06	1.55E-06	5.56E-08	1.34E-06	9.44E-07	8.17E-07	2.44E-07	3.40E-06
490312.68, 3859560.3	0.02576	0.005218	1.81E-06	5.45E-06	4.31E-06	3.73E-06	1.68E-06	6.03E-08	1.46E-06	1.02E-06	8.86E-07	2.64E-07	3.69E-06
490401.63, 3859603.12	0.02632	0.005331	1.85E-06	5.57E-06	4.40E-06	3.81E-06	1.71E-06	6.16E-08	1.49E-06	1.05E-06	9.05E-07	2.70E-07	3.77E-06
490490.57, 3859645.94	0.02672	0.005412	1.87E-06	5.66E-06	4.47E-06	3.87E-06	1.74E-06	6.26E-08	1.51E-06	1.06E-06	9.19E-07	2.74E-07	3.83E-06
490579.51, 3859688.76	0.02674	0.005416	1.87E-06	5.66E-06	4.47E-06	3.87E-06	1.74E-06	6.26E-08	1.51E-06	1.06E-06	9.19E-07	2.74E-07	3.83E-06
490668.45, 3859731.58	0.02596	0.005258	1.82E-06	5.50E-06	4.34E-06	3.76E-06	1.69E-06	6.08E-08	1.47E-06	1.03E-06	8.93E-07	2.66E-07	3.72E-06
490757.4, 3859774.4	0.02728	0.005526	1.91E-06	5.78E-06	4.56E-06	3.95E-06	1.78E-06	6.39E-08	1.54E-06	1.08E-06	9.38E-07	2.80E-07	3.91E-06
491003.53, 3859861.82	0.02755	0.00558	1.93E-06	5.83E-06	4.61E-06	3.99E-06	1.79E-06	6.45E-08	1.56E-06	1.09E-06	9.47E-07	2.83E-07	3.95E-06
491081.41, 3859879.05	0.02862	0.005797	2.01E-06	6.06E-06	4.79E-06	4.14E-06	1.86E-06	6.70E-08	1.62E-06	1.14E-06	9.84E-07	2.94E-07	4.10E-06
491229.76, 3859917.82	0.03149	0.006378	2.21E-06	6.67E-06	5.27E-06	4.56E-06	2.05E-06	7.37E-08	1.78E-06	1.25E-06	1.08E-06	3.23E-07	4.51E-06
491300.22, 3859939.35	0.0338	0.006846	2.37E-06	7.16E-06	5.65E-06	4.89E-06	2.20E-06	7.91E-08	1.91E-06	1.34E-06	1.16E-06	3.47E-07	4.84E-06
491350.48, 3860012.03	0.04134	0.008374	2.90E-06	8.75E-06	6.91E-06	5.98E-06	2.69E-06	9.68E-08	2.34E-06	1.64E-06	1.42E-06	4.24E-07	5.92E-06
491406.82, 3860092.56	0.04891	0.009907	3.43E-06	1.04E-05	8.18E-06	7.08E-06	3.18E-06	1.15E-07	2.77E-06	1.94E-06	1.68E-06	5.02E-07	7.01E-06
491483.36, 3860121.96	0.04955	0.010037	3.47E-06	1.05E-05	8.29E-06	7.17E-06	3.22E-06	1.16E-07	2.80E-06	1.97E-06	1.70E-06	5.09E-07	7.10E-06
491559.91, 3860151.35	0.05194	0.010521	3.64E-06	1.10E-05	8.69E-06	7.52E-06	3.38E-06	1.22E-07	2.94E-06	2.06E-06	1.79E-06	5.33E-07	7.44E-06
491711.81, 3860237.76	0.04065	0.008234	2.85E-06	8.61E-06	6.80E-06	5.88E-06	2.64E-06	9.52E-08	2.30E-06	1.62E-06	1.40E-06	4.17E-07	5.82E-06
491755.2, 3860319.07	0.06928	0.014033	4.86E-06	1.47E-05	1.16E-05	1.00E-05	4.51E-06	1.62E-07	3.92E-06	2.75E-06	2.38E-06	7.11E-07	9.93E-06
491704.71, 3860366.54	0.06905	0.013986	4.84E-06	1.46E-05	1.15E-05	9.99E-06	4.49E-06	1.62E-07	3.91E-06	2.74E-06	2.37E-06	7.09E-07	9.89E-06
491623.42, 3860462.39	0.0706	0.0143	4.95E-06	1.49E-05	1.18E-05	1.02E-05	4.59E-06	1.65E-07	3.99E-06	2.81E-06	2.43E-06	7.25E-07	1.01E-05
491534.02, 3860439.84	0.04399	0.00891	3.08E-06	9.31E-06	7.36E-06	6.37E-06	2.86E-06	1.03E-07	2.49E-06	1.75E-06	1.51E-06	4.51E-07	6.30E-06
491313.95, 3860268.17	0.06057	0.012269	4.25E-06	1.28E-05	1.01E-05	8.76E-06	3.94E-06	1.42E-07	3.43E-06	2.41E-06	2.08E-06	6.22E-07	8.68E-06
491187.12, 3860143.56	0.04999	0.010126	3.51E-06	1.06E-05	8.36E-06	7.23E-06	3.25E-06	1.17E-07	2.83E-06	1.99E-06	1.72E-06	5.13E-07	7.16E-06
491070.43, 3860075.97	0.04334	0.008779	3.04E-06	9.18E-06	7.25E-06	6.27E-06	2.82E-06	1.01E-07	2.45E-06	1.72E-06	1.49E-06	4.45E-07	6.21E-06
490995.09, 3860039.38	0.04093	0.008291	2.87E-06	8.67E-06	6.84E-06	5.92E-06	2.66E-06	9.58E-08	2.31E-06	1.63E-06	1.41E-06	4.20E-07	5.86E-06
490919.75, 3860002.8	0.03956	0.008013	2.77E-06	8.38E-06	6.62E-06	5.72E-06	2.57E-06	9.26E-08	2.24E-06	1.57E-06	1.36E-06	4.06E-07	5.67E-06
490756.81, 3859894.53	0.03269	0.006621	2.29E-06	6.92E-06	5.47E-06	4.73E-06	2.13E-06	7.65E-08	1.85E-06	1.30E-06	1.12E-06	3.36E-07	4.68E-06
490668.07, 3859860.92	0.03291	0.006666	2.31E-06	6.97E-06	5.50E-06	4.76E-06	2.14E-06	7.71E-08	1.86E-06	1.31E-06	1.13E-06	3.38E-07	4.72E-06
490579.34, 3859827.3	0.03192	0.006466	2.24E-06	6.76E-06	5.34E-06	4.62E-06	2.08E-06	7.47E-08	1.81E-06	1.27E-06	1.10E-06	3.28E-07	4.57E-06
490490.6, 3859793.68	0.03214	0.00651	2.25E-06	6.80E-06	5.37E-06	4.65E-06	2.09E-06	7.53E-08	1.82E-06	1.28E-06	1.11E-06	3.30E-07	4.60E-06
490401.86, 3859760.07	0.03201	0.006484	2.24E-06	6.78E-06	5.35E-06	4.63E-06	2.08E-06	7.49E-08	1.81E-06	1.27E-06	1.10E-06	3.29E-07	4.59E-06
490313.12, 3859726.45	0.03114	0.006308	2.18E-06	6.59E-06	5.21E-06	4.51E-06	2.03E-06	7.29E-08	1.76E-06	1.24E-06	1.07E-06	3.20E-07	4.46E-06
490224.39, 3859692.83	0.02999	0.006075	2.10E-06	6.35E-06	5.02E-06	4.34E-06	1.95E-06	7.02E-08	1.70E-06	1.19E-06	1.03E-06	3.08E-07	4.30E-06
490135.65, 3859659.22	0.02846	0.005765	2.00E-06	6.03E-06	4.76E-06	4.12E-06	1.85E-06	6.66E-08	1.61E-06	1.13E-06	9.78E-07	2.92E-07	4.08E-06
489918.18, 3859559.23	0.02536	0.005137	1.78E-06	5.37E-06	4.24E-06	3.67E-06	1.65E-06	5.94E-08	1.43E-06	1.01E-06	8.72E-07	2.60E-07	3.63E-06
489743.61, 3859486	0.02402	0.004865	1.68E-06	5.09E-06	4.02E-06	3.48E-06	1.56E-06	5.62E-08	1.36E-06	9.54E-07	8.26E-07	2.47E-07	3.44E-06
489660.32, 3859440.27	0.02348	0.004756	1.65E-06	4.97E-06	3.93E-06	3.40E-06	1.53E-06	5.50E-08	1.33E-06	9.33E-07	8.07E-07	2.41E-07	3.36E-06
489577.04, 3859394.53	0.02287	0.004632	1.60E-06	4.84E-06	3.82E-06	3.31E-06	1.49E-06	5.35E-08	1.29E-06	9.09E-07	7.86E-07	2.35E-07	3.28E-06
489493.75, 3859348.8	0.02245	0.004547	1.57E-06	4.75E-06	3.75E-06	3.25E-06	1.46E-06	5.26E-08	1.27E-06	8.92E-07	7.72E-07	2.30E-07	3.22E-06
489321.28, 3859240.02	0.02126	0.004306	1.49E-06	4.50E-06	3.56E-06	3.08E-06	1.38E-06	4.98E-08	1.20E-06	8.45E-07	7.31E-07	2.18E-07	3.05E-06
489235.41, 3859193.96	0.02047	0.004146	1.44E-06	4.33E-06	3.42E-06	2.96E-06	1.33E-06	4.79E-08	1.16E-06	8.13E-07	7.04E-07	2.10E-07	2.93E-06
489149.54, 3859147.89	0.02059	0.004171	1.44E-06	4.36E-06	3.44E-06	2.98E-06	1.34E-06	4.82E-08	1.16E-06	8.18E-07	7.08E-07	2.11E-07	2.95E-06
489063.68, 3859101.82	0.02007	0.004065	1.41E-06	4.25E-06	3.36E-06	2.90E-06	1.31E-06	4.70E-08	1.14E-06	7.97E-07	6.90E-07	2.06E-07	2.88E-06
488977.81, 3859055.75	0.01951	0.003952	1.37E-06	4.13E-06	3.26E-06	2.82E-06	1.27E-06	4.57E-08	1.10E-06	7.75E-07	6.71E-07	2.00E-07	2.80E-06
488891.94, 3859009.69	0.01966	0.003982	1.38E-06	4.16E-06	3.29E-06	2.84E-06	1.28E-06	4.60E-08	1.11E-06	7.81E-07	6.76E-07	2.02E-07	2.82E-06
488808, 3859060.73	0.02046	0.004144	1.43E-06	4.33E-06	3.42E-06	2.96E-06	1.33E-06	4.79E-08	1.16E-06	8.13E-07	7.03E-07	2.10E-07	2.93E-06
488809.93, 3859157.85	0.02134	0.004322	1.50E-06	4.52E-06	3.57E-06	3.09E-06	1.39E-06	5.00E-08	1.21E-06	8.48E-07	7.34E-07	2.19E-07	3.06E-06
488811.85, 3859254.96	0.02169	0.004393	1.52E-06	4.59E-06	3.63E-06	3.14E-06	1.41E-06	5.08E-08	1.23E-06	8.62E-07	7.46E-07	2.23E-07	3.11E-06
488813.78, 3859352.07	0.02121	0.004296	1.49E-06	4.49E-06	3.55E-06	3.07E-06	1.38E-06	4.97E-08	1.20E-06	8.43E-07	7.29E-07	2.18E-07	3.04E-06

488815.71, 3859449.19	0.01986	0.004023	1.39E-06	4.20E-06	3.32E-06	2.87E-06	1.29E-06	4.65E-08	1.12E-06	7.89E-07	6.83E-07	2.04E-07	2.85E-06
488910.04, 3859547.1	0.01959	0.003968	1.37E-06	4.15E-06	3.28E-06	2.83E-06	1.27E-06	4.59E-08	1.11E-06	7.78E-07	6.74E-07	2.01E-07	2.81E-06
489002.45, 3859547.91	0.02023	0.004098	1.42E-06	4.28E-06	3.38E-06	2.93E-06	1.32E-06	4.74E-08	1.14E-06	8.04E-07	6.96E-07	2.08E-07	2.90E-06
489094.85, 3859548.71	0.02082	0.004217	1.46E-06	4.41E-06	3.48E-06	3.01E-06	1.35E-06	4.87E-08	1.18E-06	8.27E-07	7.16E-07	2.14E-07	2.98E-06
489230.05, 3859601.87	0.02148	0.004351	1.51E-06	4.55E-06	3.59E-06	3.11E-06	1.40E-06	5.03E-08	1.21E-06	8.53E-07	7.39E-07	2.20E-07	3.08E-06
489227.52, 3859680.89	0.02072	0.004197	1.45E-06	4.39E-06	3.47E-06	3.00E-06	1.35E-06	4.85E-08	1.17E-06	8.23E-07	7.12E-07	2.13E-07	2.97E-06
489133.47, 3859760.29	0.02053	0.004158	1.44E-06	4.35E-06	3.43E-06	2.97E-06	1.34E-06	4.81E-08	1.16E-06	8.16E-07	7.06E-07	2.11E-07	2.94E-06
489041.96, 3859760.67	0.0204	0.004132	1.43E-06	4.32E-06	3.41E-06	2.95E-06	1.33E-06	4.78E-08	1.15E-06	8.11E-07	7.01E-07	2.09E-07	2.92E-06
488950.45, 3859761.05	0.02042	0.004136	1.43E-06	4.32E-06	3.41E-06	2.95E-06	1.33E-06	4.78E-08	1.15E-06	8.11E-07	7.02E-07	2.10E-07	2.93E-06
488858.94, 3859761.43	0.0203	0.004112	1.42E-06	4.30E-06	3.39E-06	2.94E-06	1.32E-06	4.75E-08	1.15E-06	8.07E-07	6.98E-07	2.08E-07	2.91E-06
488767.43, 3859761.82	0.02055	0.004162	1.44E-06	4.35E-06	3.44E-06	2.97E-06	1.34E-06	4.81E-08	1.16E-06	8.17E-07	7.07E-07	2.11E-07	2.94E-06
488675.92, 3859762.2	0.02045	0.004142	1.43E-06	4.33E-06	3.42E-06	2.96E-06	1.33E-06	4.79E-08	1.16E-06	8.13E-07	7.03E-07	2.10E-07	2.93E-06
488584.41, 3859762.58	0.02059	0.004171	1.44E-06	4.36E-06	3.44E-06	2.98E-06	1.34E-06	4.82E-08	1.16E-06	8.18E-07	7.08E-07	2.11E-07	2.95E-06
488492.9, 3859762.96	0.02056	0.004165	1.44E-06	4.35E-06	3.44E-06	2.98E-06	1.34E-06	4.81E-08	1.16E-06	8.17E-07	7.07E-07	2.11E-07	2.95E-06
488402.76, 3859830.95	0.021	0.004254	1.47E-06	4.45E-06	3.51E-06	3.04E-06	1.37E-06	4.92E-08	1.19E-06	8.34E-07	7.22E-07	2.16E-07	3.01E-06
488404.14, 3859898.55	0.02182	0.00442	1.53E-06	4.62E-06	3.65E-06	3.16E-06	1.42E-06	5.11E-08	1.23E-06	8.67E-07	7.50E-07	2.24E-07	3.13E-06
488505.18, 3859964.96	0.02247	0.004551	1.58E-06	4.76E-06	3.76E-06	3.25E-06	1.46E-06	5.26E-08	1.27E-06	8.93E-07	7.73E-07	2.31E-07	3.22E-06
488604.84, 3859963.76	0.02262	0.004582	1.59E-06	4.79E-06	3.78E-06	3.27E-06	1.47E-06	5.30E-08	1.28E-06	8.99E-07	7.78E-07	2.32E-07	3.24E-06
488704.51, 3859962.56	0.02267	0.004592	1.59E-06	4.80E-06	3.79E-06	3.28E-06	1.48E-06	5.31E-08	1.28E-06	9.01E-07	7.79E-07	2.33E-07	3.25E-06
488804.18, 3859961.37	0.02265	0.004588	1.59E-06	4.80E-06	3.79E-06	3.28E-06	1.47E-06	5.30E-08	1.28E-06	9.00E-07	7.79E-07	2.32E-07	3.25E-06
488903.85, 3859960.17	0.02262	0.004582	1.59E-06	4.79E-06	3.78E-06	3.27E-06	1.47E-06	5.30E-08	1.28E-06	8.99E-07	7.78E-07	2.32E-07	3.24E-06
489003.52, 3859958.97	0.02278	0.004614	1.60E-06	4.82E-06	3.81E-06	3.30E-06	1.48E-06	5.33E-08	1.29E-06	9.05E-07	7.83E-07	2.34E-07	3.26E-06
489103.18, 3859957.77	0.02295	0.004649	1.61E-06	4.86E-06	3.84E-06	3.32E-06	1.49E-06	5.37E-08	1.30E-06	9.12E-07	7.89E-07	2.36E-07	3.29E-06
489201.48, 3860046.59	0.02401	0.004863	1.68E-06	5.08E-06	4.02E-06	3.47E-06	1.56E-06	5.62E-08	1.36E-06	9.54E-07	8.25E-07	2.46E-07	3.44E-06
489200.11, 3860136.61	0.02519	0.005102	1.77E-06	5.33E-06	4.21E-06	3.65E-06	1.64E-06	5.90E-08	1.42E-06	1.00E-06	8.66E-07	2.59E-07	3.61E-06
489198.74, 3860226.63	0.02602	0.00527	1.82E-06	5.51E-06	4.35E-06	3.77E-06	1.69E-06	6.09E-08	1.47E-06	1.03E-06	8.95E-07	2.67E-07	3.73E-06
489197.38, 3860316.66	0.0267	0.005408	1.87E-06	5.65E-06	4.47E-06	3.86E-06	1.74E-06	6.25E-08	1.51E-06	1.06E-06	9.18E-07	2.74E-07	3.83E-06
489196.01, 3860406.68	0.02683	0.005435	1.88E-06	5.68E-06	4.49E-06	3.88E-06	1.75E-06	6.28E-08	1.52E-06	1.07E-06	9.22E-07	2.75E-07	3.84E-06
489194.64, 3860496.7	0.02744	0.005558	1.92E-06	5.81E-06	4.59E-06	3.97E-06	1.79E-06	6.42E-08	1.55E-06	1.09E-06	9.43E-07	2.82E-07	3.93E-06
489193.27, 3860586.72	0.02712	0.005493	1.90E-06	5.74E-06	4.54E-06	3.92E-06	1.76E-06	6.35E-08	1.53E-06	1.08E-06	9.32E-07	2.78E-07	3.89E-06
489092.02, 3860678.13	0.02616	0.005299	1.83E-06	5.54E-06	4.37E-06	3.79E-06	1.70E-06	6.13E-08	1.48E-06	1.04E-06	8.99E-07	2.68E-07	3.75E-06
488992.13, 3860679.53	0.0256	0.005185	1.79E-06	5.42E-06	4.28E-06	3.70E-06	1.67E-06	5.99E-08	1.45E-06	1.02E-06	8.80E-07	2.63E-07	3.67E-06
488892.24, 3860680.92	0.02486	0.005035	1.74E-06	5.26E-06	4.16E-06	3.60E-06	1.62E-06	5.82E-08	1.41E-06	9.88E-07	8.55E-07	2.55E-07	3.56E-06
488792.36, 3860682.31	0.0243	0.004922	1.70E-06	5.14E-06	4.06E-06	3.52E-06	1.58E-06	5.69E-08	1.37E-06	9.66E-07	8.35E-07	2.49E-07	3.48E-06
488692.48, 3860683.7	0.02355	0.00477	1.65E-06	4.99E-06	3.94E-06	3.41E-06	1.53E-06	5.51E-08	1.33E-06	9.36E-07	8.10E-07	2.42E-07	3.37E-06
488592.59, 3860685.09	0.02333	0.004726	1.64E-06	4.94E-06	3.90E-06	3.38E-06	1.52E-06	5.46E-08	1.32E-06	9.27E-07	8.02E-07	2.39E-07	3.34E-06
488492.71, 3860686.49	0.02226	0.004509	1.56E-06	4.71E-06	3.72E-06	3.22E-06	1.45E-06	5.21E-08	1.26E-06	8.84E-07	7.65E-07	2.28E-07	3.19E-06
488299.07, 3860762.18	0.01964	0.003978	1.38E-06	4.16E-06	3.28E-06	2.84E-06	1.28E-06	4.60E-08	1.11E-06	7.80E-07	6.75E-07	2.02E-07	2.81E-06
488205.32, 3860764.09	0.01996	0.004043	1.40E-06	4.23E-06	3.34E-06	2.89E-06	1.30E-06	4.67E-08	1.13E-06	7.93E-07	6.86E-07	2.05E-07	2.86E-06
488111.56, 3860766	0.02043	0.004138	1.43E-06	4.33E-06	3.42E-06	2.96E-06	1.33E-06	4.78E-08	1.16E-06	8.12E-07	7.02E-07	2.10E-07	2.93E-06
488017.81, 3860767.91	0.02075	0.004203	1.45E-06	4.39E-06	3.47E-06	3.00E-06	1.35E-06	4.86E-08	1.17E-06	8.24E-07	7.13E-07	2.13E-07	2.97E-06
487924.06, 3860769.81	0.02076	0.004205	1.46E-06	4.40E-06	3.47E-06	3.00E-06	1.35E-06	4.86E-08	1.17E-06	8.25E-07	7.14E-07	2.13E-07	2.97E-06
487830.31, 3860771.72	0.02061	0.004175	1.45E-06	4.36E-06	3.45E-06	2.98E-06	1.34E-06	4.83E-08	1.17E-06	8.19E-07	7.09E-07	2.12E-07	2.95E-06
487736.55, 3860773.63	0.02032	0.004116	1.42E-06	4.30E-06	3.40E-06	2.94E-06	1.32E-06	4.76E-08	1.15E-06	8.07E-07	6.99E-07	2.09E-07	2.91E-06
487642.8, 3860775.54	0.01985	0.004021	1.39E-06	4.20E-06	3.32E-06	2.87E-06	1.29E-06	4.65E-08	1.12E-06	7.89E-07	6.82E-07	2.04E-07	2.84E-06
487549.48, 3860684.71	0.01888	0.003824	1.32E-06	4.00E-06	3.16E-06	2.73E-06	1.23E-06	4.42E-08	1.07E-06	7.50E-07	6.49E-07	1.94E-07	2.71E-06
487549.91, 3860591.97	0.01886	0.00382	1.32E-06	3.99E-06	3.15E-06	2.73E-06	1.23E-06	4.42E-08	1.07E-06	7.49E-07	6.48E-07	1.94E-07	2.70E-06
487550.34, 3860499.23	0.01889	0.003826	1.32E-06	4.00E-06	3.16E-06	2.73E-06	1.23E-06	4.42E-08	1.07E-06	7.51E-07	6.49E-07	1.94E-07	2.71E-06
487550.76, 3860406.49	0.0192	0.003889	1.35E-06	4.06E-06	3.21E-06	2.78E-06	1.25E-06	4.50E-08	1.09E-06	7.63E-07	6.60E-07	1.97E-07	2.75E-06
487551.19, 3860313.75	0.01981	0.004013	1.39E-06	4.19E-06	3.31E-06	2.87E-06	1.29E-06	4.64E-08	1.12E-06	7.87E-07	6.81E-07	2.03E-07	2.84E-06
487551.62, 3860221.01	0.02019	0.00409	1.42E-06	4.27E-06	3.38E-06	2.92E-06	1.31E-06	4.73E-08	1.14E-06	8.02E-07	6.94E-07	2.07E-07	2.89E-06
487552.05, 3860128.27	0.02009	0.004069	1.41E-06	4.25E-06	3.36E-06	2.91E-06	1.31E-06	4.70E-08	1.14E-06	7.98E-07	6.91E-07	2.06E-07	2.88E-06
487552.48, 3860035.53	0.02001	0.004053	1.40E-06	4.24E-06	3.35E-06	2.90E-06	1.30E-06	4.69E-08	1.13E-06	7.95E-07	6.88E-07	2.05E-07	2.87E-06
487552.91, 3859942.79	0.02024	0.0041	1.42E-06	4.29E-06	3.38E-06	2.93E-06	1.32E-06	4.74E-08	1.14E-06	8.04E-07	6.96E-07	2.08E-07	2.90E-06
487553.33, 3859850.05	0.01973	0.003996	1.38E-06	4.18E-06	3.30E-06	2.85E-06	1.28E-06	4.62E-08	1.12E-06	7.84E-07	6.78E-07	2.02E-07	2.83E-06
487553.76, 3859757.31	0.01932	0.003913	1.35E-06	4.09E-06	3.23E-06	2.80E-06	1.26E-06	4.52E-08	1.09E-06	7.68E-07	6.64E-07	1.98E-07	2.77E-06
487554.19, 3859664.57	0.01884	0.003816	1.32E-06	3.99E-06	3.15E-06	2.73E-06	1.23E-06	4.41E-08	1.07E-06	7.49E-07	6.48E-07	1.93E-07	2.70E-06
487460.2, 3859571.05	0.01826	0.003699	1.28E-06	3.87E-06	3.05E-06	2.64E-06	1.19E-06	4.28E-08	1.03E-06	7.26E-07	6.28E-07	1.87E-07	2.62E-06
487365.78, 3859570.27	0.01803	0.003652	1.26E-06	3.82E-06	3.02E-06	2.61E-06	1.17E-06	4.22E-08	1.02E-06	7.16E-07	6.20E-07	1.85E-07	2.58E-06
487271.36, 3859569.48	0.01785	0.003616	1.25E-06	3.78E-06	2.99E-06	2.58E-06	1.16E-06	4.18E-08	1.01E-06	7.09E-07	6.14E-07	1.83E-07	2.56E-06
487176.94, 3859568.7	0.01767	0.003579	1.24E-06	3.74E-06	2.95E-06	2.56E-06	1.15E-06	4.14E-08	9.99E-07	7.02E-07	6.08E-07	1.81E-07	2.53E-06
487082.51, 3859567.92	0.01744	0.003533	1.22E-06	3.69E-06	2.92E-06	2.52E-06	1.13E-06	4.08E-08	9.86E-07	6.93E-07	6.00E-07	1.79E-07	2.50E-06
486988.09, 3859567.14	0.01724	0.003492	1.21E-06	3.65E-06	2.88E-06	2.49E-06	1.12E-06	4.04E-08	9.75E-07	6.85E-07	5.93E-07	1.77E-07	2.47E-06
486893.67, 3859566.36	0.01704	0.003452	1.19E-06	3.61E-06	2.85E-06	2.47E-06	1.11E-06	3.99E-08	9.64E-07	6.77E-07	5.86E-07	1.75E-07	2.44E-06
486799.25, 3859565.58	0.01686	0.003415	1.18E-06	3.57E-06	2.82E-06	2.44E-06	1.10E-06	3.95E-08	9.54E-07	6.70E-07	5.80E-07	1.73E-07	2.42E-06
486704.83, 3859564.79	0.01667	0.003377	1.17E-06	3.53E-06	2.79E-06	2.41E-06	1.08E-06	3.90E-08	9.43E-07	6.62E-07	5.73E-07	1.71E-07	2.39E-06
486610.41, 3859564.01	0.01647	0.003336	1.15E-06	3.49E-06	2.75E-06	2.38E-06	1.07E-06	3.86E-08	9.31E-07	6.54E-07	5.66E-07	1.69E-07	2.36E-06
486515.99, 3859563.23	0.01637	0.003316	1.15E-06	3.47E-06	2.74E-06	2.37E-06	1.07E-06	3.83E-08	9.26E-07	6.50E-07	5.63E-07	1.68E-07	2.35E-06
486421.57, 3859562.45	0.0162	0.003281	1.14E-06	3.43E-06	2.71E-06	2.34E-06	1.05E-06	3.79E-08	9.16E-07	6.44E-07	5.57E-07	1.66E-07	2.32E-06
486327.14, 3859561.67	0.01595	0.003231	1.12E-06	3.38E-06	2.67E-06	2.31E-06	1.04E-06	3.73E-08	9.02E-07	6.34E-07	5.48E-07	1.64E-07	2.29E-06
486232.72, 3859560.89	0.01581	0.003202	1.11E-06	3.35E-06	2.64E-06	2.29E-06	1.03E-06	3.70E-08	8.94E-07	6.28E-07	5.44E-07	1.62E-07	2.27E-06
486138.3, 3859560.1	0.01561	0.003162	1.09E-06	3.30E-06	2.61E-06	2.26E-06	1.02E-06	3.65E-08	8.83E-07	6.20E-07	5.37E-07	1.60E-07	2.24E-06
486043.88, 3859559.32	0.01542	0.003123	1.08E-06	3.26E-06	2.58E-06	2.23E-06	1.00E-06	3.61E-08	8.72E-07	6.13E-07	5.30E-07	1.58E-07	2.21E-06
485949.35, 3859463.54	0.015	0.003038	1.05E-06	3.18E-06	2.51E-06	2.17E-06	9.76E-07	3.51E-08	8.48E-07	5.96E-07	5.16E-07	1.54E-07	2.15E-06
485949.24, 3859368.55	0.01466	0.002969	1.03E-06	3.10E-06	2.45E-06	2.12E-06	9.54E-07	3.43E-08	8.29E-07	5.83E-07	5.04E-07	1.50E-07	2.10E-06
485949.12, 3859273.55	0.01424	0.002884	9.98E-07	3.01E-06	2.38E-06	2.06E-06	9.27E-07	3.33E-08	8.05E-07	5.66E-07	4.90E-07	1.46E-07	2.04E-06
485949.01, 3859178.56	0.01386	0.002807	9.72E-07	2.93E-06	2.32E-06	2.01E-06	9.02E-07	3.25E-08	7.84E-07	5.51E-07	4.77E-07	1.42E-07	1.99E-06
485948.9, 3859083.56	0.01344	0.002722	9.42E-07	2.85E-06	2.25E-06	1.94E-06	8.74E-07	3.15E-08	7.60E-07	5.34E-07	4.62E-07	1.38E-07	1.93E-06
485948.79, 3858988.56	0.01312	0.002658	9.20E-07	2.78E-06	2.19E-06	1.90E-06	8.54E-07	3.07E-08	7.42E-07	5.21E-07	4.51E-07	1.35E-07	1.88E-06
485948.67, 3858893.57	0.01275	0.002583	8.94E-07	2.70E-06	2.13E-06	1.84E-06	8.30E-07	2.99E-08	7.21E-07	5.07E-07	4.38E-07	1.31E-07	1.83E-06
485948.56, 3858798.57	0.01212	0.002455	8.50E-07	2.57E-06	2.03E-06	1.75E-06	7.89E-07	2.84E-08	6.85E-07	4.82E-07	4.17E-07	1.24E-07	1.74E-06
485948.45, 3858703.58	0.01179	0.002388	8.27E-07	2.50E-06	1.97E-06	1.71E-06	7.67E-07	2.76E-08	6.67E-07	4.68E-07	4.05E-07	1.21E-07	1.69E-06
485948.34, 3858608.58	0.01156	0.002342	8.11E-07	2.45E-06	1.93E-06	1.67E-06	7.52E-07	2.71E-08	6.54E-07	4.59E-07	3.97E-07	1.19E-07	1.66E-06
485948.22, 3858513.59	0.01182	0.002394	8.29E-07	2.50E-06	1.98E-06	1.71E-06	7.69E-07	2.77E-08	6.69E-07	4.70E-07	4.06E-07	1.21E-07	1.69E-06
485948.11, 3858418.59	0.01257	0.002546	8.81E-07	2.66E-06	2.10E-06	1.82E-06	8.18E-07	2.94E-08	7.11E-07	4.99E-07	4.32E-07	1.29E-07	1.80E-06
485948, 3858323.59	0.01336	0.002706	9.37E-07	2.83E-06	2.23E-06	1.93E-06	8.69E-07	3.13E-08	7.56E-07	5.31E-07	4.59E-07	1.37E-07	1.91E-06
485947.89, 3858228.6	0.01422	0.00288	9.97E-07	3.01E-06	2.38E-06	2.06E-06	9.25E-07	3.33E-08	8.04E-07	5.65E-07	4.89E-07	1.46E-07	2.04E-06
485947.77, 3858133.6	0.01478	0.002994	1.04E-06	3.13E-06	2.47E-06	2.14E-06	9.62E-07	3.46E-08	8.36E-07	5.87E-07	5.08E-07	1.52E-07	2.12E-06
485947.66, 3858038.61	0.01464	0.002965	1.03E-06	3.10E-06	2.45E-06	2.12E-06	9.53E-07	3.43E-08	8.28E-07	5.82E-07	5.03E-07	1.50E-07	2.10E-06
485854.54, 3857943.35	0.01449	0.002935	1.02E-06	3.07E-06	2.42E-06	2.10E-06	9.43E-07	3.39E-08	8.20E-07	5.76E-07	4.98E-07	1.49E-07	2.08E-06
485761.52, 3857943.09	0.01441	0.002919	1.01E-06	3.05E-06	2.41E-06	2.09E-06	9.38E-07	3.37E-08	8.15E-07	5.73E-07	4.95E-07	1.48E-07	2.06E-06
485668.51, 3857942.83	0.01418	0.002872	9.94E-07	3.00E-06	2.37E-06	2.05E-06	9.23E-07	3.32E-08	8.02E-07	5.63E-07	4.88E-07	1.46E-07	2.03E-06
485575.5, 3857942.56	0.01402	0.00284	9.83E-07	2.97E-06	2.34E-06	2.03E-06	9.12E-07	3.28E-08	7.93E-07	5.57E-07	4.82E-07	1.44E-07	2.01E-06
485482.48, 3857942.3	0.01371	0.002777	9.61E-07	2.90E-06	2.29E-06	1.98E-06	8.92E-07	3.21E-08	7.75E-07	5.45E-07	4.71E-07	1.41E-07	1.96E-06
485389.47, 3857942.04	0.01336	0.002706	9.37E-07	2.83E-06	2.23E-06	1.93E-06	8.69E-07	3.13E-08	7.56E-07	5.31E-07	4.59E-07	1.37E-07	1.91E-06
485296.46, 3857941.78	0.01298	0.002629	9.10E-07	2.75E-06	2.17E-06	1.88E-06	8.45E-07	3.04E-08	7.34E-07	5.16E-07	4.46E-07	1.33E-07	1.86E-06
485203.45, 3857941.52	0.01247	0.002526	8.74E-07	2.64E-06	2.09E-06	1.80E-06	8.11E-07	2.92E-08	7.05E-07	4.95E-07	4.29E-07	1.28E-07	1.79E-06
485110.43, 3857941.26	0.01206	0.002443	8.46E-07	2.55E-06	2.02E-06	1.75E-06	7.85E-07	2.82E-08	6.82E-07	4.79E-07	4.15E-07	1.24E-07	1.73E-06
485017.42, 3857940.99	0.01168	0.002366	8.19E-07	2.47E-06	1.95E-06	1.69E-06	7.60E-07	2.73E-08	6.61E-07	4.64E-07	4.02E-07	1.20E-07	1.67E-06

484924.41, 3857940.73	0.01128	0.002285	7.91E-07	2.39E-06	1.89E-06	1.63E-06	7.34E-07	2.64E-08	6.38E-07	4.48E-07	3.88E-07	1.16E-07	1.62E-06
484831.39, 3857940.47	0.01083	0.002194	7.59E-07	2.29E-06	1.81E-06	1.57E-06	7.05E-07	2.54E-08	6.13E-07	4.30E-07	3.72E-07	1.11E-07	1.55E-06
484738.12, 3857859.3	0.01107	0.002242	7.76E-07	2.34E-06	1.85E-06	1.60E-06	7.20E-07	2.59E-08	6.26E-07	4.40E-07	3.81E-07	1.14E-07	1.59E-06
484737.85, 3857778.4	0.0116	0.00235	8.13E-07	2.46E-06	1.94E-06	1.68E-06	7.55E-07	2.72E-08	6.56E-07	4.61E-07	3.99E-07	1.19E-07	1.66E-06
484737.59, 3857697.49	0.01201	0.002433	8.42E-07	2.54E-06	2.01E-06	1.74E-06	7.81E-07	2.81E-08	6.79E-07	4.77E-07	4.13E-07	1.23E-07	1.72E-06
484737.32, 3857616.59	0.01228	0.002487	8.61E-07	2.60E-06	2.05E-06	1.78E-06	7.99E-07	2.88E-08	6.95E-07	4.88E-07	4.22E-07	1.26E-07	1.76E-06
484645.53, 3857535.18	0.01212	0.002455	8.50E-07	2.57E-06	2.03E-06	1.75E-06	7.89E-07	2.84E-08	6.85E-07	4.82E-07	4.17E-07	1.24E-07	1.74E-06
484553.99, 3857534.67	0.01197	0.002425	8.39E-07	2.53E-06	2.00E-06	1.73E-06	7.79E-07	2.80E-08	6.77E-07	4.76E-07	4.12E-07	1.23E-07	1.72E-06
484462.46, 3857534.17	0.01172	0.002374	8.22E-07	2.48E-06	1.96E-06	1.70E-06	7.63E-07	2.74E-08	6.63E-07	4.66E-07	4.03E-07	1.20E-07	1.68E-06
484370.93, 3857533.66	0.01146	0.002321	8.04E-07	2.43E-06	1.92E-06	1.66E-06	7.46E-07	2.68E-08	6.48E-07	4.55E-07	3.94E-07	1.18E-07	1.64E-06
484279.4, 3857533.16	0.01114	0.002256	7.81E-07	2.36E-06	1.86E-06	1.61E-06	7.25E-07	2.61E-08	6.30E-07	4.43E-07	3.83E-07	1.14E-07	1.60E-06
484187.86, 3857532.65	0.01083	0.002194	7.59E-07	2.29E-06	1.81E-06	1.57E-06	7.05E-07	2.54E-08	6.13E-07	4.30E-07	3.72E-07	1.11E-07	1.55E-06
484096.33, 3857532.15	0.01045	0.002117	7.33E-07	2.21E-06	1.75E-06	1.51E-06	6.80E-07	2.45E-08	5.91E-07	4.15E-07	3.59E-07	1.07E-07	1.50E-06
484004.8, 3857531.64	0.01012	0.00205	7.10E-07	2.14E-06	1.69E-06	1.46E-06	6.58E-07	2.37E-08	5.72E-07	4.02E-07	3.48E-07	1.04E-07	1.45E-06
483913.27, 3857531.14	0.00985	0.001995	6.91E-07	2.09E-06	1.65E-06	1.43E-06	6.41E-07	2.31E-08	5.57E-07	3.91E-07	3.39E-07	1.01E-07	1.41E-06
483821.73, 3857530.63	0.00951	0.001926	6.67E-07	2.01E-06	1.59E-06	1.38E-06	6.19E-07	2.23E-08	5.38E-07	3.78E-07	3.27E-07	9.76E-08	1.36E-06
483729.61, 3857450.11	0.00969	0.001963	6.79E-07	2.05E-06	1.62E-06	1.40E-06	6.30E-07	2.27E-08	5.48E-07	3.85E-07	3.33E-07	9.94E-08	1.39E-06
483729.03, 3857370.08	0.01005	0.002036	7.05E-07	2.13E-06	1.68E-06	1.45E-06	6.54E-07	2.35E-08	5.68E-07	3.99E-07	3.46E-07	1.03E-07	1.44E-06
483728.44, 3857290.06	0.01038	0.002103	7.28E-07	2.20E-06	1.74E-06	1.50E-06	6.75E-07	2.43E-08	5.87E-07	4.12E-07	3.57E-07	1.07E-07	1.49E-06
483727.86, 3857210.03	0.01057	0.002141	7.41E-07	2.24E-06	1.77E-06	1.53E-06	6.88E-07	2.47E-08	5.98E-07	4.20E-07	3.63E-07	1.08E-07	1.51E-06
483641.15, 3857129.07	0.01043	0.002113	7.31E-07	2.21E-06	1.74E-06	1.51E-06	6.79E-07	2.44E-08	5.90E-07	4.14E-07	3.59E-07	1.07E-07	1.49E-06
483555.03, 3857128.14	0.0103	0.002086	7.22E-07	2.18E-06	1.72E-06	1.49E-06	6.70E-07	2.41E-08	5.83E-07	4.09E-07	3.54E-07	1.06E-07	1.48E-06
483468.91, 3857127.2	0.01026	0.002078	7.19E-07	2.17E-06	1.72E-06	1.48E-06	6.68E-07	2.40E-08	5.80E-07	4.08E-07	3.53E-07	1.05E-07	1.47E-06
483382.78, 3857126.26	0.01001	0.002028	7.02E-07	2.12E-06	1.67E-06	1.45E-06	6.51E-07	2.34E-08	5.66E-07	3.98E-07	3.44E-07	1.03E-07	1.43E-06
483296.66, 3857125.32	0.00982	0.001989	6.89E-07	2.08E-06	1.64E-06	1.42E-06	6.39E-07	2.30E-08	5.55E-07	3.90E-07	3.38E-07	1.01E-07	1.41E-06
483210.54, 3857124.39	0.00965	0.001955	6.77E-07	2.04E-06	1.61E-06	1.40E-06	6.28E-07	2.26E-08	5.46E-07	3.83E-07	3.32E-07	9.90E-08	1.38E-06
483123.4, 3857030.96	0.00974	0.001973	6.83E-07	2.06E-06	1.63E-06	1.41E-06	6.34E-07	2.28E-08	5.51E-07	3.87E-07	3.35E-07	1.00E-07	1.40E-06
483122.38, 3856938.46	0.00979	0.001983	6.86E-07	2.07E-06	1.64E-06	1.42E-06	6.37E-07	2.29E-08	5.54E-07	3.89E-07	3.37E-07	1.00E-07	1.40E-06
483121.35, 3856845.97	0.00963	0.001951	6.75E-07	2.04E-06	1.61E-06	1.39E-06	6.27E-07	2.25E-08	5.45E-07	3.83E-07	3.31E-07	9.88E-08	1.38E-06
483120.33, 3856753.47	0.00945	0.001914	6.63E-07	2.00E-06	1.58E-06	1.37E-06	6.15E-07	2.21E-08	5.34E-07	3.75E-07	3.25E-07	9.70E-08	1.35E-06
483119.31, 3856660.98	0.00913	0.001849	6.40E-07	1.93E-06	1.53E-06	1.32E-06	5.94E-07	2.14E-08	5.16E-07	3.63E-07	3.14E-07	9.37E-08	1.31E-06
483118.29, 3856568.49	0.00868	0.001758	6.09E-07	1.84E-06	1.45E-06	1.26E-06	5.65E-07	2.03E-08	4.91E-07	3.45E-07	2.98E-07	8.91E-08	1.24E-06
483117.26, 3856475.99	0.00818	0.001657	5.74E-07	1.73E-06	1.37E-06	1.18E-06	5.32E-07	1.92E-08	4.63E-07	3.25E-07	2.81E-07	8.40E-08	1.17E-06
483116.24, 3856383.5	0.00776	0.001572	5.44E-07	1.64E-06	1.30E-06	1.12E-06	5.05E-07	1.82E-08	4.39E-07	3.08E-07	2.67E-07	7.96E-08	1.11E-06
483115.22, 3856291.01	0.0074	0.001499	5.19E-07	1.57E-06	1.24E-06	1.07E-06	4.81E-07	1.73E-08	4.19E-07	2.94E-07	2.54E-07	7.59E-08	1.06E-06
483114.2, 3856198.51	0.00719	0.001456	5.04E-07	1.52E-06	1.20E-06	1.04E-06	4.68E-07	1.68E-08	4.07E-07	2.86E-07	2.47E-07	7.38E-08	1.03E-06
483113.17, 3856106.02	0.0069	0.001398	4.84E-07	1.46E-06	1.15E-06	9.98E-07	4.49E-07	1.62E-08	3.90E-07	2.74E-07	2.37E-07	7.08E-08	9.89E-07
483112.15, 3856013.52	0.00682	0.001381	4.78E-07	1.44E-06	1.14E-06	9.87E-07	4.44E-07	1.60E-08	3.86E-07	2.71E-07	2.34E-07	7.00E-08	9.77E-07
483029.25, 3855920.47	0.00664	0.001345	4.66E-07	1.41E-06	1.11E-06	9.61E-07	4.32E-07	1.55E-08	3.76E-07	2.64E-07	2.28E-07	6.81E-08	9.51E-07
482947.37, 3855919.91	0.00659	0.001335	4.62E-07	1.40E-06	1.10E-06	9.54E-07	4.29E-07	1.54E-08	3.73E-07	2.62E-07	2.27E-07	6.76E-08	9.44E-07
482865.49, 3855919.36	0.00658	0.001333	4.61E-07	1.39E-06	1.10E-06	9.52E-07	4.28E-07	1.54E-08	3.72E-07	2.61E-07	2.26E-07	6.75E-08	9.43E-07
482783.61, 3855918.8	0.0065	0.001317	4.56E-07	1.38E-06	1.09E-06	9.41E-07	4.23E-07	1.52E-08	3.68E-07	2.58E-07	2.23E-07	6.67E-08	9.31E-07
482700.33, 3855818.39	0.00638	0.001292	4.47E-07	1.35E-06	1.07E-06	9.23E-07	4.15E-07	1.49E-08	3.61E-07	2.54E-07	2.19E-07	6.55E-08	9.14E-07
482698.92, 3855718.54	0.00627	0.00127	4.40E-07	1.33E-06	1.05E-06	9.07E-07	4.08E-07	1.47E-08	3.55E-07	2.49E-07	2.16E-07	6.43E-08	8.98E-07
482697.52, 3855618.68	0.00629	0.001274	4.41E-07	1.33E-06	1.05E-06	9.10E-07	4.09E-07	1.47E-08	3.56E-07	2.50E-07	2.16E-07	6.46E-08	9.01E-07
482696.11, 3855518.83	0.00621	0.001258	4.35E-07	1.31E-06	1.04E-06	8.99E-07	4.04E-07	1.45E-08	3.51E-07	2.47E-07	2.14E-07	6.37E-08	8.90E-07
482694.71, 3855418.98	0.00624	0.001264	4.38E-07	1.32E-06	1.04E-06	9.03E-07	4.06E-07	1.46E-08	3.53E-07	2.48E-07	2.15E-07	6.40E-08	8.94E-07
482693.3, 3855319.13	0.00624	0.001264	4.38E-07	1.32E-06	1.04E-06	9.03E-07	4.06E-07	1.46E-08	3.53E-07	2.48E-07	2.15E-07	6.40E-08	8.94E-07
482691.9, 3855219.27	0.00614	0.001244	4.31E-07	1.30E-06	1.03E-06	8.88E-07	4.00E-07	1.44E-08	3.47E-07	2.44E-07	2.11E-07	6.30E-08	8.80E-07
482690.49, 3855119.42	0.00613	0.001242	4.30E-07	1.30E-06	1.03E-06	8.87E-07	3.99E-07	1.44E-08	3.47E-07	2.44E-07	2.11E-07	6.29E-08	8.78E-07
482689.09, 3855019.57	0.00592	0.001199	4.15E-07	1.25E-06	9.90E-07	8.57E-07	3.85E-07	1.39E-08	3.35E-07	2.35E-07	2.04E-07	6.08E-08	8.48E-07
482687.68, 3854919.71	0.00588	0.001191	4.12E-07	1.24E-06	9.83E-07	8.51E-07	3.83E-07	1.38E-08	3.33E-07	2.34E-07	2.02E-07	6.03E-08	8.42E-07
482686.28, 3854819.86	0.00575	0.001165	4.03E-07	1.22E-06	9.62E-07	8.32E-07	3.74E-07	1.35E-08	3.25E-07	2.28E-07	1.98E-07	5.90E-08	8.24E-07
482684.88, 3854720.01	0.00579	0.001173	4.06E-07	1.23E-06	9.68E-07	8.38E-07	3.77E-07	1.36E-08	3.27E-07	2.30E-07	1.99E-07	5.94E-08	8.30E-07
482683.47, 3854620.16	0.00562	0.001138	3.94E-07	1.19E-06	9.40E-07	8.13E-07	3.66E-07	1.32E-08	3.18E-07	2.23E-07	1.93E-07	5.77E-08	8.05E-07
482682.07, 3854520.31	0.00556	0.001126	3.90E-07	1.18E-06	9.30E-07	8.05E-07	3.62E-07	1.30E-08	3.14E-07	2.21E-07	1.91E-07	5.71E-08	7.97E-07
482680.66, 3854420.45	0.00546	0.001106	3.83E-07	1.16E-06	9.13E-07	7.90E-07	3.55E-07	1.28E-08	3.09E-07	2.17E-07	1.88E-07	5.60E-08	7.82E-07
482679.26, 3854320.6	0.00536	0.001086	3.76E-07	1.13E-06	8.96E-07	7.76E-07	3.49E-07	1.25E-08	3.03E-07	2.13E-07	1.84E-07	5.50E-08	7.68E-07
482677.85, 3854220.75	0.005	0.001013	3.51E-07	1.06E-06	8.36E-07	7.24E-07	3.25E-07	1.17E-08	2.83E-07	1.99E-07	1.72E-07	5.13E-08	7.16E-07
482676.45, 3854120.9	0.00505	0.001023	3.54E-07	1.07E-06	8.45E-07	7.31E-07	3.29E-07	1.18E-08	2.86E-07	2.01E-07	1.74E-07	5.18E-08	7.24E-07
482675.04, 3854021.04	0.00506	0.001025	3.55E-07	1.07E-06	8.46E-07	7.32E-07	3.29E-07	1.18E-08	2.86E-07	2.01E-07	1.74E-07	5.19E-08	7.25E-07
482673.64, 3853921.19	0.00502	0.001017	3.52E-07	1.06E-06	8.40E-07	7.26E-07	3.27E-07	1.18E-08	2.84E-07	1.99E-07	1.73E-07	5.15E-08	7.19E-07
482672.23, 3853821.34	0.005	0.001013	3.51E-07	1.06E-06	8.36E-07	7.24E-07	3.25E-07	1.17E-08	2.83E-07	1.99E-07	1.72E-07	5.13E-08	7.16E-07
482670.83, 3853721.48	0.00493	0.000999	3.46E-07	1.04E-06	8.24E-07	7.13E-07	3.21E-07	1.15E-08	2.79E-07	1.96E-07	1.69E-07	5.06E-08	7.06E-07
482669.42, 3853621.63	0.00504	0.001021	3.53E-07	1.07E-06	8.43E-07	7.29E-07	3.28E-07	1.18E-08	2.85E-07	2.00E-07	1.73E-07	5.17E-08	7.22E-07
482645.99, 3853446.13	0.00516	0.001045	3.62E-07	1.09E-06	8.63E-07	7.47E-07	3.36E-07	1.21E-08	2.92E-07	2.05E-07	1.77E-07	5.30E-08	7.39E-07
482623.96, 3853370.48	0.00522	0.001057	3.66E-07	1.11E-06	8.73E-07	7.55E-07	3.40E-07	1.22E-08	2.95E-07	2.07E-07	1.79E-07	5.36E-08	7.48E-07
482601.94, 3853294.84	0.00527	0.001067	3.70E-07	1.12E-06	8.81E-07	7.63E-07	3.43E-07	1.23E-08	2.98E-07	2.09E-07	1.81E-07	5.41E-08	7.55E-07
482531.29, 3853133.44	0.00529	0.001072	3.71E-07	1.12E-06	8.85E-07	7.65E-07	3.44E-07	1.24E-08	2.99E-07	2.10E-07	1.82E-07	5.43E-08	7.58E-07
482482.68, 3853047.69	0.00522	0.001057	3.66E-07	1.11E-06	8.73E-07	7.55E-07	3.40E-07	1.22E-08	2.95E-07	2.07E-07	1.79E-07	5.36E-08	7.48E-07
482383.08, 3852897.4	0.00527	0.001067	3.70E-07	1.12E-06	8.81E-07	7.63E-07	3.43E-07	1.23E-08	2.98E-07	2.09E-07	1.81E-07	5.41E-08	7.55E-07
482265.64, 3852765.26	0.00523	0.001059	3.67E-07	1.11E-06	8.75E-07	7.57E-07	3.40E-07	1.22E-08	2.96E-07	2.08E-07	1.80E-07	5.37E-08	7.49E-07
482199.16, 3852697.66	0.00518	0.001049	3.63E-07	1.10E-06	8.66E-07	7.50E-07	3.37E-07	1.21E-08	2.93E-07	2.06E-07	1.78E-07	5.32E-08	7.42E-07
482132.69, 3852630.07	0.00511	0.001035	3.58E-07	1.08E-06	8.55E-07	7.39E-07	3.32E-07	1.20E-08	2.89E-07	2.03E-07	1.76E-07	5.24E-08	7.32E-07
482066.21, 3852562.48	0.00505	0.001023	3.54E-07	1.07E-06	8.45E-07	7.31E-07	3.29E-07	1.18E-08	2.86E-07	2.01E-07	1.74E-07	5.18E-08	7.24E-07
481999.74, 3852494.89	0.00501	0.001015	3.51E-07	1.06E-06	8.38E-07	7.25E-07	3.26E-07	1.17E-08	2.83E-07	1.99E-07	1.72E-07	5.14E-08	7.18E-07
481933.26, 3852427.29	0.00498	0.001009	3.49E-07	1.05E-06	8.33E-07	7.21E-07	3.24E-07	1.17E-08	2.82E-07	1.98E-07	1.71E-07	5.11E-08	7.14E-07
481866.79, 3852359.7	0.00488	0.000988	3.42E-07	1.03E-06	8.16E-07	7.06E-07	3.18E-07	1.14E-08	2.76E-07	1.94E-07	1.68E-07	5.01E-08	6.99E-07
481800.31, 3852292.11	0.00477	0.000966	3.34E-07	1.01E-06	7.98E-07	6.90E-07	3.10E-07	1.12E-08	2.70E-07	1.90E-07	1.64E-07	4.90E-08	6.83E-07
481733.84, 3852224.52	0.00468	0.000948	3.28E-07	9.91E-07	7.83E-07	6.77E-07	3.05E-07	1.10E-08	2.65E-07	1.86E-07	1.61E-07	4.80E-08	6.71E-07
481667.36, 3852156.92	0.00454	0.00092	3.18E-07	9.61E-07	7.59E-07	6.57E-07	2.95E-07	1.06E-08	2.57E-07	1.80E-07	1.56E-07	4.66E-08	6.50E-07
481600.89, 3852089.33	0.00452	0.000916	3.17E-07	9.57E-07	7.56E-07	6.54E-07	2.94E-07	1.06E-08	2.56E-07	1.80E-07	1.55E-07	4.64E-08	6.48E-07
481534.41, 3852021.74	0.00453	0.000918	3.18E-07	9.59E-07	7.58E-07	6.55E-07	2.95E-07	1.06E-08	2.56E-07	1.80E-07	1.56E-07	4.65E-08	6.49E-07
481467.94, 3851954.15	0.0045	0.000911	3.16E-07	9.53E-07	7.53E-07	6.51E-07	2.93E-07	1.05E-08	2.55E-07	1.79E-07	1.55E-07	4.62E-08	6.45E-07
481401.46, 3851886.55	0.00441	0.000893	3.09E-07	9.34E-07	7.37E-07	6.38E-07	2.87E-07	1.03E-08	2.49E-07	1.75E-07	1.52E-07	4.53E-08	6.32E-07
481265.87, 3851761.43	0.00435	0.000881	3.05E-07	9.21E-07	7.27E-07	6.29E-07	2.83E-07	1.02E-08	2.46E-07	1.73E-07	1.50E-07	4.46E-08	6.23E-07
481196.74, 3851703.89	0.00429	0.000869	3.01E-07	9.08E-07	7.17E-07	6.21E-07	2.79E-07	1.00E-08	2.43E-07	1.70E-07	1.47E-07	4.40E-08	6.15E-07
481076.33, 3851619.04	0.00422	0.000855	2.96E-07	8.93E-07	7.06E-07	6.11E-07	2.75E-07	9.88E-09	2.39E-07	1.68E-07	1.45E-07	4.33E-08	6.05E-07
480939.8, 3851549.07	0.00412	0.000835	2.89E-07	8.72E-07	6.89E-07	5.96E-07	2.68E-07	9.65E-09	2.33E-07	1.64E-07	1.42E-07	4.23E-08	5.90E-07
480854.56, 3851506.41	0.00407	0.000824	2.85E-07	8.62E-07	6.81E-07	5.89E-07	2.65E-07	9.53E-09	2.30E-07	1.62E-07	1.40E-07	4.18E-08	5.83E-07
480769.32, 3851463.75	0.00401	0.000812	2.81E-07	8.49E-07	6.71E-07	5.80E-07	2.61E-07	9.39E-09	2.27E-07	1.59E-07	1.38E-07	4.12E-08	5.75E-07
480684.08, 3851421.08	0.00395	0.0008	2.77E-07	8.36E-07	6.61E-07	5.72E-07	2.57E-07	9.25E-09	2.23E-07	1.57E-07	1.36E-07	4.05E-08	5.66E-07
480598.84, 3851378.42	0.00394	0.000798	2.76E-07	8.34E-07	6.59E-07	5.70E-07	2.56E-07	9.23E-09	2.23E-07	1.57E-07	1.35E-07	4.04E-08	5.65E-07
480435.71, 3851275.01	0.00384	0.000778	2.69E-07	8.13E-07	6.42E-07	5.56E-07	2.50E-07	8.99E-09	2.17E-07	1.53E-07	1.32E-07	3.94E-08	5.50E-07
480347.85, 3851232.36	0.0038	0.00077	2.66E-07	8.04E-07	6.35E-07	5.50E-07	2.47E-07	8.90E-09	2.15E-07	1.51E-07	1.31E-07	3.90E-08	5.44E-07
480260, 3851189.72	0.00375	0.00076	2.63E-07	7.94E-07	6.27E-07	5.43E-07	2.44E-07	8.78E-09	2.12E-07	1.49E-07	1.29E-07	3.85E-08	5.37E-07
480172.15, 3851147.07	0.0037	0.000749	2.59E-07	7.83E-07	6.19E-07	5.35E-07	2.41E-07	8.66E-09	2.09E-07	1.47E-07	1.27E-07	3.80E-08	5.30E-07
480084.29, 3851104.42	0.00363	0.000735	2.55E-07	7.69E-07	6.07E-07	5.25E-07	2.36E-07	8.50E-09	2.05E-07	1.44E-07	1.25E-07	3.73E-08	5.20E-07
479996.44, 3851061.77	0.00355	0.000719	2.49E-07	7.52E-07	5.94E-07	5.14E-07	2.31E-07	8.31E-09	2.01E-07	1.41E-07	1.22E-07	3.64E-08	5.09E-07

479908.58, 3851019.13	0.00335	0.000679	2.35E-07	7.09E-07	5.60E-07	4.85E-07	2.18E-07	7.84E-09	1.89E-07	1.33E-07	1.15E-07	3.44E-08	4.80E-07
479820.73, 3850976.48	0.0033	0.000668	2.31E-07	6.99E-07	5.52E-07	4.78E-07	2.15E-07	7.73E-09	1.87E-07	1.31E-07	1.13E-07	3.39E-08	4.73E-07
479732.88, 3850933.83	0.00325	0.000658	2.28E-07	6.88E-07	5.44E-07	4.70E-07	2.11E-07	7.61E-09	1.84E-07	1.29E-07	1.12E-07	3.34E-08	4.66E-07
479645.02, 3850891.18	0.00321	0.00065	2.25E-07	6.80E-07	5.37E-07	4.64E-07	2.09E-07	7.52E-09	1.82E-07	1.28E-07	1.10E-07	3.29E-08	4.60E-07
479557.17, 3850848.54	0.0032	0.000648	2.24E-07	6.77E-07	5.35E-07	4.63E-07	2.08E-07	7.49E-09	1.81E-07	1.27E-07	1.10E-07	3.28E-08	4.58E-07
479469.32, 3850805.89	0.00313	0.000634	2.19E-07	6.63E-07	5.23E-07	4.53E-07	2.04E-07	7.33E-09	1.77E-07	1.24E-07	1.08E-07	3.21E-08	4.48E-07
479381.46, 3850763.24	0.00314	0.000636	2.20E-07	6.65E-07	5.25E-07	4.54E-07	2.04E-07	7.35E-09	1.78E-07	1.25E-07	1.08E-07	3.22E-08	4.50E-07
479293.61, 3850720.59	0.00321	0.00065	2.25E-07	6.80E-07	5.37E-07	4.64E-07	2.09E-07	7.52E-09	1.82E-07	1.28E-07	1.10E-07	3.29E-08	4.60E-07
479205.76, 3850677.95	0.00325	0.000658	2.28E-07	6.88E-07	5.44E-07	4.70E-07	2.11E-07	7.61E-09	1.84E-07	1.29E-07	1.12E-07	3.34E-08	4.66E-07
479117.9, 3850635.3	0.00332	0.000672	2.33E-07	7.03E-07	5.55E-07	4.80E-07	2.16E-07	7.77E-09	1.88E-07	1.32E-07	1.14E-07	3.41E-08	4.76E-07
479030.05, 3850592.65	0.00327	0.000662	2.29E-07	6.92E-07	5.47E-07	4.73E-07	2.13E-07	7.66E-09	1.85E-07	1.30E-07	1.12E-07	3.36E-08	4.69E-07
478942.19, 3850550	0.00318	0.000644	2.23E-07	6.73E-07	5.32E-07	4.60E-07	2.07E-07	7.45E-09	1.80E-07	1.26E-07	1.09E-07	3.26E-08	4.56E-07
478854.34, 3850507.36	0.00294	0.000596	2.06E-07	6.22E-07	4.92E-07	4.25E-07	1.91E-07	6.88E-09	1.66E-07	1.17E-07	1.01E-07	3.02E-08	4.21E-07
478766.49, 3850464.71	0.00283	0.000573	1.98E-07	5.99E-07	4.73E-07	4.10E-07	1.84E-07	6.63E-09	1.60E-07	1.12E-07	9.73E-08	2.90E-08	4.05E-07
478678.63, 3850422.06	0.00277	0.000561	1.94E-07	5.86E-07	4.63E-07	4.01E-07	1.80E-07	6.49E-09	1.57E-07	1.10E-07	9.52E-08	2.84E-08	3.97E-07
478590.78, 3850379.41	0.00269	0.000545	1.89E-07	5.70E-07	4.50E-07	3.89E-07	1.75E-07	6.30E-09	1.52E-07	1.07E-07	9.25E-08	2.76E-08	3.85E-07
478502.93, 3850336.77	0.00264	0.000535	1.85E-07	5.59E-07	4.41E-07	3.82E-07	1.72E-07	6.18E-09	1.49E-07	1.05E-07	9.08E-08	2.71E-08	3.78E-07
478415.07, 3850294.12	0.00261	0.000529	1.83E-07	5.53E-07	4.36E-07	3.78E-07	1.70E-07	6.11E-09	1.48E-07	1.04E-07	8.97E-08	2.68E-08	3.74E-07
478327.22, 3850251.47	0.00254	0.000514	1.78E-07	5.38E-07	4.25E-07	3.68E-07	1.65E-07	5.95E-09	1.44E-07	1.01E-07	8.73E-08	2.61E-08	3.64E-07
478239.36, 3850208.82	0.00249	0.000504	1.75E-07	5.27E-07	4.16E-07	3.60E-07	1.62E-07	5.83E-09	1.41E-07	9.89E-08	8.56E-08	2.56E-08	3.57E-07
478151.51, 3850166.18	0.00245	0.000496	1.72E-07	5.19E-07	4.10E-07	3.55E-07	1.59E-07	5.74E-09	1.39E-07	9.73E-08	8.42E-08	2.51E-08	3.51E-07
478063.66, 3850123.53	0.00241	0.000488	1.69E-07	5.10E-07	4.03E-07	3.49E-07	1.57E-07	5.64E-09	1.36E-07	9.58E-08	8.29E-08	2.47E-08	3.45E-07
477975.8, 3850080.88	0.00255	0.000517	1.79E-07	5.40E-07	4.26E-07	3.69E-07	1.66E-07	5.97E-09	1.44E-07	1.01E-07	8.77E-08	2.62E-08	3.65E-07
477887.95, 3850038.23	0.00256	0.000519	1.79E-07	5.42E-07	4.28E-07	3.70E-07	1.67E-07	5.99E-09	1.45E-07	1.02E-07	8.80E-08	2.63E-08	3.67E-07
477800.1, 3849995.59	0.0026	0.000527	1.82E-07	5.50E-07	4.35E-07	3.76E-07	1.69E-07	6.09E-09	1.47E-07	1.03E-07	8.94E-08	2.67E-08	3.73E-07
477712.24, 3849952.94	0.00259	0.000525	1.82E-07	5.48E-07	4.33E-07	3.75E-07	1.69E-07	6.06E-09	1.46E-07	1.03E-07	8.90E-08	2.66E-08	3.71E-07
477624.39, 3849910.29	0.00258	0.000523	1.81E-07	5.46E-07	4.31E-07	3.73E-07	1.68E-07	6.04E-09	1.46E-07	1.03E-07	8.87E-08	2.65E-08	3.70E-07
477536.54, 3849867.64	0.00258	0.000523	1.81E-07	5.46E-07	4.31E-07	3.73E-07	1.68E-07	6.04E-09	1.46E-07	1.03E-07	8.87E-08	2.65E-08	3.70E-07
477448.68, 3849825	0.00255	0.000517	1.79E-07	5.40E-07	4.26E-07	3.69E-07	1.66E-07	5.97E-09	1.44E-07	1.01E-07	8.77E-08	2.62E-08	3.65E-07
477360.83, 3849782.35	0.00252	0.00051	1.77E-07	5.34E-07	4.21E-07	3.65E-07	1.64E-07	5.90E-09	1.43E-07	1.00E-07	8.66E-08	2.59E-08	3.61E-07
477272.97, 3849739.7	0.00243	0.000492	1.70E-07	5.14E-07	4.06E-07	3.52E-07	1.58E-07	5.69E-09	1.37E-07	9.66E-08	8.35E-08	2.49E-08	3.48E-07
477185.12, 3849697.05	0.00241	0.000488	1.69E-07	5.10E-07	4.03E-07	3.49E-07	1.57E-07	5.64E-09	1.36E-07	9.58E-08	8.29E-08	2.47E-08	3.45E-07
477097.27, 3849654.41	0.00242	0.00049	1.70E-07	5.12E-07	4.05E-07	3.50E-07	1.57E-07	5.67E-09	1.37E-07	9.62E-08	8.32E-08	2.48E-08	3.47E-07
477009.41, 3849611.76	0.00232	0.00047	1.63E-07	4.91E-07	3.88E-07	3.36E-07	1.51E-07	5.43E-09	1.31E-07	9.22E-08	7.98E-08	2.38E-08	3.32E-07
476841.49, 3849530.08	0.00223	0.000452	1.56E-07	4.72E-07	3.73E-07	3.23E-07	1.45E-07	5.22E-09	1.26E-07	8.86E-08	7.67E-08	2.29E-08	3.20E-07
476761.41, 3849491.05	0.00222	0.00045	1.56E-07	4.70E-07	3.71E-07	3.21E-07	1.44E-07	5.20E-09	1.26E-07	8.82E-08	7.63E-08	2.28E-08	3.18E-07
476681.34, 3849452.02	0.00217	0.00044	1.52E-07	4.59E-07	3.63E-07	3.14E-07	1.41E-07	5.08E-09	1.23E-07	8.62E-08	7.46E-08	2.23E-08	3.11E-07
476601.26, 3849412.99	0.00211	0.000427	1.48E-07	4.47E-07	3.53E-07	3.05E-07	1.37E-07	4.94E-09	1.19E-07	8.38E-08	7.25E-08	2.17E-08	3.02E-07
476456.32, 3849353.67	0.00194	0.000393	1.36E-07	4.11E-07	3.24E-07	2.81E-07	1.26E-07	4.54E-09	1.10E-07	7.71E-08	6.67E-08	1.99E-08	2.78E-07
476305.43, 3849318.83	0.00195	0.000395	1.37E-07	4.13E-07	3.26E-07	2.82E-07	1.27E-07	4.57E-09	1.10E-07	7.75E-08	6.70E-08	2.00E-08	2.79E-07
476129.36, 3849289.99	0.00189	0.000383	1.33E-07	4.00E-07	3.16E-07	2.73E-07	1.23E-07	4.43E-09	1.07E-07	7.51E-08	6.50E-08	1.94E-08	2.71E-07
476039.31, 3849275.68	0.00183	0.000371	1.28E-07	3.87E-07	3.06E-07	2.65E-07	1.19E-07	4.28E-09	1.03E-07	7.27E-08	6.29E-08	1.88E-08	2.62E-07
475949.26, 3849261.38	0.00178	0.000361	1.25E-07	3.77E-07	2.98E-07	2.58E-07	1.16E-07	4.17E-09	1.01E-07	7.07E-08	6.12E-08	1.83E-08	2.55E-07
475859.21, 3849247.08	0.00175	0.000354	1.23E-07	3.70E-07	2.93E-07	2.53E-07	1.14E-07	4.10E-09	9.90E-08	6.95E-08	6.02E-08	1.80E-08	2.51E-07
475769.16, 3849232.77	0.00167	0.000338	1.17E-07	3.54E-07	2.79E-07	2.42E-07	1.09E-07	3.91E-09	9.44E-08	6.64E-08	5.74E-08	1.71E-08	2.39E-07
475585.22, 3849219.27	0.00127	0.000257	8.90E-08	2.69E-07	2.12E-07	1.84E-07	8.26E-08	2.97E-09	7.18E-08	5.05E-08	4.37E-08	1.30E-08	1.82E-07
475444.49, 3849150.34	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
475334.17, 3849118.71	0.0015	0.000304	1.05E-07	3.18E-07	2.51E-07	2.17E-07	9.76E-08	3.51E-09	8.48E-08	5.96E-08	5.16E-08	1.54E-08	2.15E-07
475230.46, 3849060.57	0.00149	0.000302	1.04E-07	3.15E-07	2.49E-07	2.16E-07	9.69E-08	3.49E-09	8.43E-08	5.92E-08	5.12E-08	1.53E-08	2.13E-07
475110.86, 3848960.97	0.00147	0.000298	1.03E-07	3.11E-07	2.46E-07	2.13E-07	9.56E-08	3.44E-09	8.31E-08	5.84E-08	5.05E-08	1.51E-08	2.11E-07
475037.79, 3848896.28	0.00143	0.00029	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.09E-08	5.68E-08	4.92E-08	1.47E-08	2.05E-07
474964.72, 3848831.59	0.0014	0.000284	9.82E-08	2.96E-07	2.34E-07	2.03E-07	9.11E-08	3.28E-09	7.92E-08	5.56E-08	4.81E-08	1.44E-08	2.01E-07
474891.65, 3848766.9	0.00139	0.000282	9.75E-08	2.94E-07	2.32E-07	2.01E-07	9.04E-08	3.25E-09	7.86E-08	5.52E-08	4.78E-08	1.43E-08	1.99E-07
474818.58, 3848702.21	0.00139	0.000282	9.75E-08	2.94E-07	2.32E-07	2.01E-07	9.04E-08	3.25E-09	7.86E-08	5.52E-08	4.78E-08	1.43E-08	1.99E-07
474745.51, 3848637.53	0.00142	0.000288	9.96E-08	3.01E-07	2.37E-07	2.05E-07	9.24E-08	3.32E-09	8.03E-08	5.64E-08	4.88E-08	1.46E-08	2.03E-07
474672.44, 3848572.84	0.00147	0.000298	1.03E-07	3.11E-07	2.46E-07	2.13E-07	9.56E-08	3.44E-09	8.31E-08	5.84E-08	5.05E-08	1.51E-08	2.11E-07
474599.37, 3848508.15	0.00141	0.000286	9.89E-08	2.99E-07	2.36E-07	2.04E-07	9.17E-08	3.30E-09	7.97E-08	5.60E-08	4.85E-08	1.45E-08	2.02E-07
474526.3, 3848443.46	0.0014	0.000284	9.82E-08	2.96E-07	2.34E-07	2.03E-07	9.11E-08	3.28E-09	7.92E-08	5.56E-08	4.81E-08	1.44E-08	2.01E-07

With Replacements

	Concentration s:	3.65E-03	Residential Dose					Risk by Age Group					
X, Y	[µg/m^3] at 1 g/s		3rd	0<2	2<9	9<16	16<30	3rd	0<2	2<9	9<16	16<30	Total Risk
485973.61, 3854936.51	0.0032	1.167E-05	4.04E-09	1.22E-08	9.63E-09	8.34E-09	3.75E-09	1.35E-10	3.26E-09	2.29E-09	1.98E-09	5.91E-10	8.25E-09
486023.61, 3854936.51	0.00315	1.149E-05	3.98E-09	1.20E-08	9.48E-09	8.21E-09	3.69E-09	1.33E-10	3.21E-09	2.25E-09	1.95E-09	5.82E-10	8.13E-09
486073.61, 3854936.51	0.00312	1.138E-05	3.94E-09	1.19E-08	9.39E-09	8.13E-09	3.65E-09	1.32E-10	3.18E-09	2.23E-09	1.93E-09	5.76E-10	8.05E-09
486123.61, 3854936.51	0.00305	1.112E-05	3.85E-09	1.16E-08	9.18E-09	7.95E-09	3.57E-09	1.29E-10	3.11E-09	2.18E-09	1.89E-09	5.64E-10	7.87E-09
486173.61, 3854936.51	0.00304	1.109E-05	3.84E-09	1.16E-08	9.15E-09	7.92E-09	3.56E-09	1.28E-10	3.10E-09	2.17E-09	1.88E-09	5.62E-10	7.84E-09
486223.61, 3854936.51	0.003	1.094E-05	3.79E-09	1.14E-08	9.03E-09	7.82E-09	3.51E-09	1.26E-10	3.05E-09	2.15E-09	1.86E-09	5.54E-10	7.74E-09
486273.61, 3854936.51	0.00297	1.083E-05	3.75E-09	1.13E-08	8.94E-09	7.74E-09	3.48E-09	1.25E-10	3.02E-09	2.12E-09	1.84E-09	5.49E-10	7.66E-09
486323.61, 3854936.51	0.00295	1.076E-05	3.72E-09	1.12E-08	8.88E-09	7.69E-09	3.46E-09	1.24E-10	3.00E-09	2.11E-09	1.83E-09	5.45E-10	7.61E-09
485973.61, 3854986.51	0.00329	1.2E-05	4.15E-09	1.25E-08	9.91E-09	8.57E-09	3.85E-09	1.39E-10	3.35E-09	2.35E-09	2.04E-09	6.08E-10	8.49E-09
486023.61, 3854986.51	0.00325	1.185E-05	4.10E-09	1.24E-08	9.78E-09	8.47E-09	3.81E-09	1.37E-10	3.31E-09	2.32E-09	2.01E-09	6.01E-10	8.38E-09
486073.61, 3854986.51	0.0032	1.167E-05	4.04E-09	1.22E-08	9.63E-09	8.34E-09	3.75E-09	1.35E-10	3.26E-09	2.29E-09	1.98E-09	5.91E-10	8.25E-09
486123.61, 3854986.51	0.00316	1.152E-05	3.99E-09	1.20E-08	9.51E-09	8.23E-09	3.70E-09	1.33E-10	3.22E-09	2.26E-09	1.96E-09	5.84E-10	8.15E-09
486173.61, 3854986.51	0.00314	1.145E-05	3.96E-09	1.20E-08	9.45E-09	8.18E-09	3.68E-09	1.32E-10	3.20E-09	2.25E-09	1.94E-09	5.80E-10	8.10E-09
486223.61, 3854986.51	0.00309	1.127E-05	3.90E-09	1.18E-08	9.30E-09	8.05E-09	3.62E-09	1.30E-10	3.15E-09	2.21E-09	1.91E-09	5.71E-10	7.97E-09
486273.61, 3854986.51	0.00303	1.105E-05	3.82E-09	1.15E-08	9.12E-09	7.89E-09	3.55E-09	1.28E-10	3.09E-09	2.17E-09	1.88E-09	5.60E-10	7.82E-09
486323.61, 3854986.51	0.00304	1.109E-05	3.84E-09	1.16E-08	9.15E-09	7.92E-09	3.56E-09	1.28E-10	3.10E-09	2.17E-09	1.88E-09	5.62E-10	7.84E-09
485973.61, 3855036.51	0.0034	1.24E-05	4.29E-09	1.30E-08	1.02E-08	8.86E-09	3.98E-09	1.43E-10	3.46E-09	2.43E-09	2.10E-09	6.28E-10	8.77E-09
486023.61, 3855036.51	0.00335	1.222E-05	4.23E-09	1.28E-08	1.01E-08	8.73E-09	3.92E-09	1.41E-10	3.41E-09	2.40E-09	2.07E-09	6.19E-10	8.64E-09
486073.61, 3855036.51	0.00329	1.2E-05	4.15E-09	1.25E-08	9.91E-09	8.57E-09	3.85E-09	1.39E-10	3.35E-09	2.35E-09	2.04E-09	6.08E-10	8.49E-09
486123.61, 3855036.51	0.00324	1.182E-05	4.09E-09	1.23E-08	9.75E-09	8.44E-09	3.80E-09	1.37E-10	3.30E-09	2.32E-09	2.01E-09	5.99E-10	8.36E-09
486173.61, 3855036.51	0.00322	1.174E-05	4.06E-09	1.23E-08	9.69E-09	8.39E-09	3.77E-09	1.36E-10	3.28E-09	2.30E-09	1.99E-09	5.95E-10	8.31E-09
486223.61, 3855036.51	0.00316	1.152E-05	3.99E-09	1.20E-08	9.51E-09	8.23E-09	3.70E-09	1.33E-10	3.22E-09	2.26E-09	1.96E-09	5.84E-10	8.15E-09
486273.61, 3855036.51	0.00315	1.149E-05	3.98E-09	1.20E-08	9.48E-09	8.21E-09	3.69E-09	1.33E-10	3.21E-09	2.25E-09	1.95E-09	5.82E-10	8.13E-09
486323.61, 3855036.51	0.00311	1.134E-05	3.93E-09	1.19E-08	9.36E-09	8.10E-09	3.64E-09	1.31E-10	3.17E-09	2.22E-09	1.93E-09	5.75E-10	8.02E-09
485973.61, 3855086.51	0.00349	1.273E-05	4.41E-09	1.33E-08	1.05E-08	9.09E-09	4.09E-09	1.47E-10	3.55E-09	2.50E-09	2.16E-09	6.45E-10	9.00E-09
486023.61, 3855086.51	0.00346	1.262E-05	4.37E-09	1.32E-08	1.04E-08	9.01E-09	4.05E-09	1.46E-10	3.52E-09	2.48E-09	2.14E-09	6.39E-10	8.92E-09
486073.61, 3855086.51	0.00339	1.236E-05	4.28E-09	1.29E-08	1.02E-08	8.83E-09	3.97E-09	1.43E-10	3.45E-09	2.43E-09	2.10E-09	6.26E-10	8.74E-09
486123.61, 3855086.51	0.00336	1.225E-05	4.24E-09	1.28E-08	1.01E-08	8.75E-09	3.94E-09	1.42E-10	3.42E-09	2.40E-09	2.08E-09	6.21E-10	8.67E-09
486173.61, 3855086.51	0.0033	1.203E-05	4.17E-09	1.26E-08	9.94E-09	8.60E-09	3.87E-09	1.39E-10	3.36E-09	2.36E-09	2.04E-09	6.10E-10	8.51E-09
486223.61, 3855086.51	0.00327	1.192E-05	4.13E-09	1.25E-08	9.85E-09	8.52E-09	3.83E-09	1.38E-10	3.33E-09	2.34E-09	2.02E-09	6.04E-10	8.43E-09
485973.61, 3855136.51	0.0036	1.313E-05	4.54E-09	1.37E-08	1.08E-08	9.38E-09	4.22E-09	1.52E-10	3.67E-09	2.58E-09	2.23E-09	6.65E-10	9.29E-09
486023.61, 3855136.51	0.00355	1.295E-05	4.48E-09	1.35E-08	1.07E-08	9.25E-09	4.16E-09	1.50E-10	3.61E-09	2.54E-09	2.20E-09	6.56E-10	9.16E-09
486073.61, 3855136.51	0.0035	1.276E-05	4.42E-09	1.33E-08	1.05E-08	9.12E-09	4.10E-09	1.48E-10	3.56E-09	2.50E-09	2.17E-09	6.47E-10	9.03E-09
486123.61, 3855136.51	0.00346	1.262E-05	4.37E-09	1.32E-08	1.04E-08	9.01E-09	4.05E-09	1.46E-10	3.52E-09	2.48E-09	2.14E-09	6.39E-10	8.92E-09
486173.61, 3855136.51	0.00341	1.244E-05	4.30E-09	1.30E-08	1.03E-08	8.88E-09	3.99E-09	1.44E-10	3.47E-09	2.44E-09	2.11E-09	6.30E-10	8.80E-09
486223.61, 3855136.51	0.00337	1.229E-05	4.25E-09	1.28E-08	1.01E-08	8.78E-09	3.95E-09	1.42E-10	3.43E-09	2.41E-09	2.09E-09	6.23E-10	8.69E-09
485973.61, 3855186.51	0.0037	1.349E-05	4.67E-09	1.41E-08	1.11E-08	9.64E-09	4.33E-09	1.56E-10	3.77E-09	2.65E-09	2.29E-09	6.84E-10	9.54E-09
486023.61, 3855186.51	0.00366	1.335E-05	4.62E-09	1.40E-08	1.10E-08	9.53E-09	4.29E-09	1.54E-10	3.73E-09	2.62E-09	2.27E-09	6.76E-10	9.44E-09
486073.61, 3855186.51	0.0036	1.313E-05	4.54E-09	1.37E-08	1.08E-08	9.38E-09	4.22E-09	1.52E-10	3.67E-09	2.58E-09	2.23E-09	6.65E-10	9.29E-09
486123.61, 3855186.51	0.00354	1.291E-05	4.47E-09	1.35E-08	1.07E-08	9.22E-09	4.15E-09	1.49E-10	3.60E-09	2.53E-09	2.19E-09	6.54E-10	9.13E-09
486173.61, 3855186.51	0.0035	1.276E-05	4.42E-09	1.33E-08	1.05E-08	9.12E-09	4.10E-09	1.48E-10	3.56E-09	2.50E-09	2.17E-09	6.47E-10	9.03E-09
486223.61, 3855186.51	0.00345	1.258E-05	4.36E-09	1.31E-08	1.04E-08	8.99E-09	4.04E-09	1.45E-10	3.51E-09	2.47E-09	2.14E-09	6.37E-10	8.90E-09
486273.61, 3855186.51	0.0034	1.24E-05	4.29E-09	1.30E-08	1.02E-08	8.86E-09	3.98E-09	1.43E-10	3.46E-09	2.43E-09	2.10E-09	6.28E-10	8.77E-09
486323.61, 3855186.51	0.00342	1.247E-05	4.32E-09	1.30E-08	1.03E-08	8.91E-09	4.01E-09	1.44E-10	3.48E-09	2.45E-09	2.12E-09	6.32E-10	8.82E-09
485973.61, 3855236.51	0.00378	1.378E-05	4.77E-09	1.44E-08	1.14E-08	9.85E-09	4.43E-09	1.59E-10	3.85E-09	2.70E-09	2.34E-09	6.98E-10	9.75E-09
486023.61, 3855236.51	0.00373	1.36E-05	4.71E-09	1.42E-08	1.12E-08	9.72E-09	4.37E-09	1.57E-10	3.80E-09	2.67E-09	2.31E-09	6.89E-10	9.62E-09
486073.61, 3855236.51	0.00367	1.338E-05	4.63E-09	1.40E-08	1.10E-08	9.56E-09	4.30E-09	1.55E-10	3.74E-09	2.63E-09	2.27E-09	6.78E-10	9.47E-09
486123.61, 3855236.51	0.00363	1.324E-05	4.58E-09	1.38E-08	1.09E-08	9.46E-09	4.25E-09	1.53E-10	3.70E-09	2.60E-09	2.25E-09	6.71E-10	9.36E-09
486173.61, 3855236.51	0.00359	1.309E-05	4.53E-09	1.37E-08	1.08E-08	9.35E-09	4.21E-09	1.51E-10	3.66E-09	2.57E-09	2.22E-09	6.63E-10	9.26E-09
486223.61, 3855236.51	0.00354	1.291E-05	4.47E-09	1.35E-08	1.07E-08	9.22E-09	4.15E-09	1.49E-10	3.60E-09	2.53E-09	2.19E-09	6.54E-10	9.13E-09
486273.61, 3855236.51	0.00346	1.262E-05	4.37E-09	1.32E-08	1.04E-08	9.01E-09	4.05E-09	1.46E-10	3.52E-09	2.48E-09	2.14E-09	6.39E-10	8.92E-09
486323.61, 3855236.51	0.00352	1.284E-05	4.44E-09	1.34E-08	1.06E-08	9.17E-09	4.12E-09	1.48E-10	3.58E-09	2.52E-09	2.18E-09	6.50E-10	9.08E-09
485973.61, 3855286.51	0.00385	1.404E-05	4.86E-09	1.47E-08	1.16E-08	1.00E-08	4.51E-09	1.62E-10	3.92E-09	2.75E-09	2.38E-09	7.11E-10	9.93E-09
486023.61, 3855286.51	0.0038	1.386E-05	4.80E-09	1.45E-08	1.14E-08	9.90E-09	4.45E-09	1.60E-10	3.87E-09	2.72E-09	2.35E-09	7.02E-10	9.80E-09
486073.61, 3855286.51	0.00375	1.367E-05	4.73E-09	1.43E-08	1.13E-08	9.77E-09	4.39E-09	1.58E-10	3.82E-09	2.68E-09	2.32E-09	6.93E-10	9.67E-09
486123.61, 3855286.51	0.0037	1.349E-05	4.67E-09	1.41E-08	1.11E-08	9.64E-09	4.33E-09	1.56E-10	3.77E-09	2.65E-09	2.29E-09	6.84E-10	9.54E-09
486173.61, 3855286.51	0.00365	1.331E-05	4.61E-09	1.39E-08	1.10E-08	9.51E-09	4.28E-09	1.54E-10	3.72E-09	2.61E-09	2.26E-09	6.74E-10	9.42E-09
486223.61, 3855286.51	0.00362	1.32E-05	4.57E-09	1.38E-08	1.09E-08	9.43E-09	4.24E-09	1.53E-10	3.69E-09	2.59E-09	2.24E-09	6.69E-10	9.34E-09
486123.61, 3855336.51	0.00376	1.371E-05	4.75E-09	1.43E-08	1.13E-08	9.80E-09	4.40E-09	1.58E-10	3.83E-09	2.69E-09	2.33E-09	6.95E-10	9.70E-09
486173.61, 3855336.51	0.00373	1.36E-05	4.71E-09	1.42E-08	1.12E-08	9.72E-09	4.37E-09	1.57E-10	3.80E-09	2.67E-09	2.31E-09	6.89E-10	9.62E-09
486223.61, 3855336.51	0.00369	1.346E-05	4.66E-09	1.41E-08	1.11E-08	9.61E-09	4.32E-09	1.56E-10	3.76E-09	2.64E-09	2.28E-09	6.82E-10	9.52E-09
486123.61, 3855386.51	0.00382	1.393E-05	4.82E-09	1.46E-08	1.15E-08	9.95E-09	4.47E-09	1.61E-10	3.89E-09	2.73E-09	2.36E-09	7.06E-10	9.85E-09
486173.61, 3855386.51	0.00379	1.382E-05	4.78E-09	1.44E-08	1.14E-08	9.87E-09	4.44E-09	1.60E-10	3.86E-09	2.71E-09	2.35E-09	7.00E-10	9.78E-09
486223.61, 3855386.51	0.00377	1.375E-05	4.76E-09	1.44E-08	1.14E-08	9.82E-09	4.42E-09	1.59E-10	3.84E-09	2.70E-09	2.33E-09	6.97E-10	9.72E-09
486533.18, 3855443.15	0.00372	1.357E-05	4.70E-09	1.42E-08	1.12E-08	9.69E-09	4.36E-09	1.57E-10	3.79E-09	2.66E-09	2.30E-09	6.87E-10	9.60E-09
486583.18, 3855443.15	0.00368	1.342E-05	4.65E-09	1.40E-08	1.11E-08	9.59E-09	4.31E-09	1.55E-10	3.75E-09	2.63E-09	2.28E-09	6.80E-10	9.49E-09
486633.18, 3855443.15	0.00364	1.327E-05	4.59E-09	1.39E-08	1.10E-08	9.48E-09	4.26E-09	1.53E-10	3.71E-09	2.60E-09	2.25E-09	6.73E-10	9.39E-09
486683.18, 3855443.15	0.00362	1.32E-05	4.57E-09	1.38E-08	1.09E-08	9.43E-09	4.24E-09	1.53E-10	3.69E-09	2.59E-09	2.24E-09	6.69E-10	9.34E-09
486533.18, 3855493.15	0.0038	1.386E-05	4.80E-09	1.45E-08	1.14E-08	9.90E-09	4.45E-09	1.60E-10	3.87E-09	2.72E-09	2.35E-09	7.02E-10	9.80E-09
486583.18, 3855493.15	0.00377	1.375E-05	4.76E-09	1.44E-08	1.14E-08	9.82E-09	4.42E-09	1.59E-10	3.84E-09	2.70E-09	2.33E-09	6.97E-10	9.72E-09
486633.18, 3855493.15	0.00373	1.36E-05	4.71E-09	1.42E-08	1.12E-08	9.72E-09	4.37E-09	1.57E-10	3.80E-09	2.67E-09	2.31E-09	6.89E-10	9.62E-09
486683.18, 3855493.15	0.0037	1.349E-05	4.67E-09	1.41E-08	1.11E-08	9.64E-09	4.33E-09	1.56E-10	3.77E-09	2.65E-09	2.29E-09	6.84E-10	9.54E-09
486533.18, 3855543.15	0.00388	1.415E-05	4.90E-09	1.48E-08	1.17E-08	1.01E-08	4.55E-09	1.64E-10	3.95E-09	2.78E-09	2.40E-09	7.17E-10	1.00E-08
486583.18, 3855543.15	0.00383	1.397E-05	4.83E-09	1.46E-08	1.15E-08	9.98E-09	4.49E-09	1.61E-10	3.90E-09	2.74E-09	2.37E-09	7.08E-10	9.88E-09
486633.18, 3855543.15	0.00381	1.389E-05	4.81E-09	1.45E-08	1.15E-08	9.93E-09	4.46E-09	1.61E-10	3.88E-09	2.73E-09	2.36E-09	7.04E-10	9.83E-09
486683.18, 3855543.15	0.00375	1.367E-05	4.73E-09	1.43E-08	1.13E-08	9.77E-09	4.39E-09	1.58E-10	3.82E-09	2.68E-09	2.32E-09	6.93E-10	9.67E-09

486533.18, 3855593.15	0.00394	1.437E-05	4.97E-09	1.50E-08	1.19E-08	1.03E-08	4.62E-09	1.66E-10	4.01E-09	2.82E-09	2.44E-09	7.28E-10	1.02E-08
486583.18, 3855593.15	0.00391	1.426E-05	4.94E-09	1.49E-08	1.18E-08	1.02E-08	4.58E-09	1.65E-10	3.98E-09	2.80E-09	2.42E-09	7.22E-10	1.01E-08
486633.18, 3855593.15	0.00388	1.415E-05	4.90E-09	1.48E-08	1.17E-08	1.01E-08	4.55E-09	1.64E-10	3.95E-09	2.78E-09	2.40E-09	7.17E-10	1.00E-08
486683.18, 3855593.15	0.00386	1.408E-05	4.87E-09	1.47E-08	1.16E-08	1.01E-08	4.52E-09	1.63E-10	3.93E-09	2.76E-09	2.39E-09	7.13E-10	9.96E-09
486533.18, 3855643.15	0.00399	1.455E-05	5.04E-09	1.52E-08	1.20E-08	1.04E-08	4.67E-09	1.68E-10	4.06E-09	2.85E-09	2.47E-09	7.37E-10	1.03E-08
486583.18, 3855643.15	0.00397	1.448E-05	5.01E-09	1.51E-08	1.20E-08	1.03E-08	4.65E-09	1.67E-10	4.04E-09	2.84E-09	2.46E-09	7.34E-10	1.02E-08
486633.18, 3855643.15	0.00395	1.44E-05	4.99E-09	1.51E-08	1.19E-08	1.03E-08	4.63E-09	1.67E-10	4.02E-09	2.83E-09	2.44E-09	7.30E-10	1.02E-08
486683.18, 3855643.15	0.00393	1.433E-05	4.96E-09	1.50E-08	1.18E-08	1.02E-08	4.60E-09	1.66E-10	4.00E-09	2.81E-09	2.43E-09	7.26E-10	1.01E-08
486533.18, 3855693.15	0.00405	1.477E-05	5.11E-09	1.54E-08	1.22E-08	1.06E-08	4.74E-09	1.71E-10	4.12E-09	2.90E-09	2.51E-09	7.48E-10	1.04E-08
486583.18, 3855693.15	0.00401	1.462E-05	5.06E-09	1.53E-08	1.21E-08	1.04E-08	4.70E-09	1.69E-10	4.08E-09	2.87E-09	2.48E-09	7.41E-10	1.03E-08
486633.18, 3855693.15	0.00397	1.448E-05	5.01E-09	1.51E-08	1.20E-08	1.03E-08	4.65E-09	1.67E-10	4.04E-09	2.84E-09	2.46E-09	7.34E-10	1.02E-08
486683.18, 3855693.15	0.00398	1.451E-05	5.02E-09	1.52E-08	1.20E-08	1.04E-08	4.66E-09	1.68E-10	4.05E-09	2.85E-09	2.46E-09	7.35E-10	1.03E-08
486733.18, 3855693.15	0.00402	1.466E-05	5.07E-09	1.53E-08	1.21E-08	1.05E-08	4.71E-09	1.69E-10	4.09E-09	2.88E-09	2.49E-09	7.43E-10	1.04E-08
486783.18, 3855693.15	0.00407	1.484E-05	5.14E-09	1.55E-08	1.23E-08	1.06E-08	4.77E-09	1.72E-10	4.14E-09	2.91E-09	2.52E-09	7.52E-10	1.05E-08
486533.18, 3855743.15	0.00408	1.488E-05	5.15E-09	1.56E-08	1.23E-08	1.06E-08	4.78E-09	1.72E-10	4.15E-09	2.92E-09	2.53E-09	7.54E-10	1.05E-08
486583.18, 3855743.15	0.00403	1.47E-05	5.09E-09	1.54E-08	1.21E-08	1.05E-08	4.72E-09	1.70E-10	4.10E-09	2.88E-09	2.49E-09	7.45E-10	1.04E-08
486633.18, 3855743.15	0.00401	1.462E-05	5.06E-09	1.53E-08	1.21E-08	1.04E-08	4.70E-09	1.69E-10	4.08E-09	2.87E-09	2.48E-09	7.41E-10	1.03E-08
486683.18, 3855743.15	0.00405	1.477E-05	5.11E-09	1.54E-08	1.22E-08	1.06E-08	4.74E-09	1.71E-10	4.12E-09	2.90E-09	2.51E-09	7.48E-10	1.04E-08
486733.18, 3855743.15	0.00407	1.484E-05	5.14E-09	1.55E-08	1.23E-08	1.06E-08	4.77E-09	1.72E-10	4.14E-09	2.91E-09	2.52E-09	7.52E-10	1.05E-08
486783.18, 3855743.15	0.00414	1.51E-05	5.23E-09	1.58E-08	1.25E-08	1.08E-08	4.85E-09	1.75E-10	4.22E-09	2.96E-09	2.56E-09	7.65E-10	1.07E-08
486533.18, 3855793.15	0.00411	1.499E-05	5.19E-09	1.57E-08	1.24E-08	1.07E-08	4.81E-09	1.73E-10	4.18E-09	2.94E-09	2.54E-09	7.59E-10	1.06E-08
486583.18, 3855793.15	0.00402	1.466E-05	5.07E-09	1.53E-08	1.21E-08	1.05E-08	4.71E-09	1.69E-10	4.09E-09	2.88E-09	2.49E-09	7.43E-10	1.04E-08
486633.18, 3855793.15	0.00407	1.484E-05	5.14E-09	1.55E-08	1.23E-08	1.06E-08	4.77E-09	1.72E-10	4.14E-09	2.91E-09	2.52E-09	7.52E-10	1.05E-08
486683.18, 3855793.15	0.00412	1.502E-05	5.20E-09	1.57E-08	1.24E-08	1.07E-08	4.83E-09	1.74E-10	4.20E-09	2.95E-09	2.55E-09	7.61E-10	1.06E-08
486733.18, 3855793.15	0.00415	1.513E-05	5.24E-09	1.58E-08	1.25E-08	1.08E-08	4.86E-09	1.75E-10	4.23E-09	2.97E-09	2.57E-09	7.67E-10	1.07E-08
486783.18, 3855793.15	0.00419	1.528E-05	5.29E-09	1.60E-08	1.26E-08	1.09E-08	4.91E-09	1.77E-10	4.27E-09	3.00E-09	2.59E-09	7.74E-10	1.08E-08
486533.18, 3855843.15	0.0041	1.495E-05	5.18E-09	1.56E-08	1.23E-08	1.07E-08	4.80E-09	1.73E-10	4.17E-09	2.93E-09	2.54E-09	7.58E-10	1.06E-08
486583.18, 3855843.15	0.00405	1.477E-05	5.11E-09	1.54E-08	1.22E-08	1.06E-08	4.74E-09	1.71E-10	4.12E-09	2.90E-09	2.51E-09	7.48E-10	1.04E-08
486633.18, 3855843.15	0.0041	1.495E-05	5.18E-09	1.56E-08	1.23E-08	1.07E-08	4.80E-09	1.73E-10	4.17E-09	2.93E-09	2.54E-09	7.58E-10	1.06E-08
486683.18, 3855843.15	0.00416	1.517E-05	5.25E-09	1.59E-08	1.25E-08	1.08E-08	4.87E-09	1.75E-10	4.24E-09	2.98E-09	2.57E-09	7.69E-10	1.07E-08
486733.18, 3855843.15	0.00421	1.535E-05	5.31E-09	1.60E-08	1.27E-08	1.10E-08	4.93E-09	1.77E-10	4.29E-09	3.01E-09	2.61E-09	7.78E-10	1.09E-08
486783.18, 3855843.15	0.00425	1.55E-05	5.36E-09	1.62E-08	1.28E-08	1.11E-08	4.98E-09	1.79E-10	4.33E-09	3.04E-09	2.63E-09	7.85E-10	1.10E-08
486533.18, 3855893.15	0.00405	1.477E-05	5.11E-09	1.54E-08	1.22E-08	1.06E-08	4.74E-09	1.71E-10	4.12E-09	2.90E-09	2.51E-09	7.48E-10	1.04E-08
486583.18, 3855893.15	0.00409	1.491E-05	5.16E-09	1.56E-08	1.23E-08	1.07E-08	4.79E-09	1.72E-10	4.16E-09	2.93E-09	2.53E-09	7.56E-10	1.06E-08
486633.18, 3855893.15	0.00413	1.506E-05	5.21E-09	1.57E-08	1.24E-08	1.08E-08	4.84E-09	1.74E-10	4.21E-09	2.95E-09	2.56E-09	7.63E-10	1.07E-08
486683.18, 3855893.15	0.00419	1.528E-05	5.29E-09	1.60E-08	1.26E-08	1.09E-08	4.91E-09	1.77E-10	4.27E-09	3.00E-09	2.59E-09	7.74E-10	1.08E-08
486733.18, 3855893.15	0.00424	1.546E-05	5.35E-09	1.62E-08	1.28E-08	1.10E-08	4.97E-09	1.79E-10	4.32E-09	3.03E-09	2.62E-09	7.83E-10	1.09E-08
486783.18, 3855893.15	0.00431	1.572E-05	5.44E-09	1.64E-08	1.30E-08	1.12E-08	5.05E-09	1.82E-10	4.39E-09	3.08E-09	2.67E-09	7.96E-10	1.11E-08
486533.18, 3855943.15	0.00405	1.477E-05	5.11E-09	1.54E-08	1.22E-08	1.06E-08	4.74E-09	1.71E-10	4.12E-09	2.90E-09	2.51E-09	7.48E-10	1.04E-08
486583.18, 3855943.15	0.00413	1.506E-05	5.21E-09	1.57E-08	1.24E-08	1.08E-08	4.84E-09	1.74E-10	4.21E-09	2.95E-09	2.56E-09	7.63E-10	1.07E-08
486633.18, 3855943.15	0.00416	1.517E-05	5.25E-09	1.59E-08	1.25E-08	1.08E-08	4.87E-09	1.75E-10	4.24E-09	2.98E-09	2.57E-09	7.69E-10	1.07E-08
486683.18, 3855943.15	0.00423	1.543E-05	5.34E-09	1.61E-08	1.27E-08	1.10E-08	4.96E-09	1.78E-10	4.31E-09	3.03E-09	2.62E-09	7.82E-10	1.09E-08
486733.18, 3855943.15	0.00427	1.557E-05	5.39E-09	1.63E-08	1.29E-08	1.11E-08	5.00E-09	1.80E-10	4.35E-09	3.05E-09	2.64E-09	7.89E-10	1.10E-08
486783.18, 3855943.15	0.00434	1.583E-05	5.48E-09	1.65E-08	1.31E-08	1.13E-08	5.08E-09	1.83E-10	4.42E-09	3.10E-09	2.69E-09	8.02E-10	1.12E-08
486533.18, 3855993.15	0.00409	1.491E-05	5.16E-09	1.56E-08	1.23E-08	1.07E-08	4.79E-09	1.72E-10	4.16E-09	2.93E-09	2.53E-09	7.56E-10	1.06E-08
486583.18, 3855993.15	0.00414	1.51E-05	5.23E-09	1.58E-08	1.25E-08	1.08E-08	4.85E-09	1.75E-10	4.22E-09	2.96E-09	2.56E-09	7.65E-10	1.07E-08
486633.18, 3855993.15	0.00419	1.528E-05	5.29E-09	1.60E-08	1.26E-08	1.09E-08	4.91E-09	1.77E-10	4.27E-09	3.00E-09	2.59E-09	7.74E-10	1.08E-08
486683.18, 3855993.15	0.00425	1.55E-05	5.36E-09	1.62E-08	1.28E-08	1.11E-08	4.98E-09	1.79E-10	4.33E-09	3.04E-09	2.63E-09	7.85E-10	1.10E-08
486733.18, 3855993.15	0.0043	1.568E-05	5.43E-09	1.64E-08	1.29E-08	1.12E-08	5.04E-09	1.81E-10	4.38E-09	3.08E-09	2.66E-09	7.95E-10	1.11E-08
486783.18, 3855993.15	0.00437	1.594E-05	5.52E-09	1.67E-08	1.32E-08	1.14E-08	5.12E-09	1.84E-10	4.45E-09	3.13E-09	2.70E-09	8.07E-10	1.13E-08
486533.18, 3856043.15	0.00411	1.499E-05	5.19E-09	1.57E-08	1.24E-08	1.07E-08	4.81E-09	1.73E-10	4.18E-09	2.94E-09	2.54E-09	7.59E-10	1.06E-08
486583.18, 3856043.15	0.00417	1.521E-05	5.26E-09	1.59E-08	1.26E-08	1.09E-08	4.88E-09	1.76E-10	4.25E-09	2.98E-09	2.58E-09	7.70E-10	1.08E-08
486633.18, 3856043.15	0.00421	1.535E-05	5.31E-09	1.60E-08	1.27E-08	1.10E-08	4.93E-09	1.77E-10	4.29E-09	3.01E-09	2.61E-09	7.78E-10	1.09E-08
486683.18, 3856043.15	0.00428	1.561E-05	5.40E-09	1.63E-08	1.29E-08	1.11E-08	5.01E-09	1.80E-10	4.36E-09	3.06E-09	2.65E-09	7.91E-10	1.10E-08
486733.18, 3856043.15	0.00433	1.579E-05	5.47E-09	1.65E-08	1.30E-08	1.13E-08	5.07E-09	1.83E-10	4.41E-09	3.10E-09	2.68E-09	8.00E-10	1.12E-08
486783.18, 3856043.15	0.00441	1.608E-05	5.57E-09	1.68E-08	1.33E-08	1.15E-08	5.17E-09	1.86E-10	4.49E-09	3.15E-09	2.73E-09	8.15E-10	1.14E-08
486533.18, 3856093.15	0.00415	1.513E-05	5.24E-09	1.58E-08	1.25E-08	1.08E-08	4.86E-09	1.75E-10	4.23E-09	2.97E-09	2.57E-09	7.67E-10	1.07E-08
486583.18, 3856093.15	0.0042	1.532E-05	5.30E-09	1.60E-08	1.26E-08	1.09E-08	4.92E-09	1.77E-10	4.28E-09	3.00E-09	2.60E-09	7.76E-10	1.08E-08
486633.18, 3856093.15	0.00425	1.55E-05	5.36E-09	1.62E-08	1.28E-08	1.11E-08	4.98E-09	1.79E-10	4.33E-09	3.04E-09	2.63E-09	7.85E-10	1.10E-08
486683.18, 3856093.15	0.00431	1.572E-05	5.44E-09	1.64E-08	1.30E-08	1.12E-08	5.05E-09	1.82E-10	4.39E-09	3.08E-09	2.67E-09	7.96E-10	1.11E-08
486733.18, 3856093.15	0.00436	1.59E-05	5.50E-09	1.66E-08	1.31E-08	1.14E-08	5.11E-09	1.84E-10	4.44E-09	3.12E-09	2.70E-09	8.06E-10	1.12E-08
486783.18, 3856093.15	0.00443	1.615E-05	5.59E-09	1.69E-08	1.33E-08	1.15E-08	5.19E-09	1.87E-10	4.51E-09	3.17E-09	2.74E-09	8.19E-10	1.14E-08
486533.18, 3856143.15	0.00419	1.528E-05	5.29E-09	1.60E-08	1.26E-08	1.09E-08	4.91E-09	1.77E-10	4.27E-09	3.00E-09	2.59E-09	7.74E-10	1.08E-08
486583.18, 3856143.15	0.00422	1.539E-05	5.33E-09	1.61E-08	1.27E-08	1.10E-08	4.94E-09	1.78E-10	4.30E-09	3.02E-09	2.61E-09	7.80E-10	1.09E-08
486633.18, 3856143.15	0.00428	1.561E-05	5.40E-09	1.63E-08	1.29E-08	1.11E-08	5.01E-09	1.80E-10	4.36E-09	3.06E-09	2.65E-09	7.91E-10	1.10E-08
486683.18, 3856143.15	0.00433	1.579E-05	5.47E-09	1.65E-08	1.30E-08	1.13E-08	5.07E-09	1.83E-10	4.41E-09	3.10E-09	2.68E-09	8.00E-10	1.12E-08
486733.18, 3856143.15	0.00439	1.601E-05	5.54E-09	1.67E-08	1.32E-08	1.14E-08	5.14E-09	1.85E-10	4.47E-09	3.14E-09	2.72E-09	8.11E-10	1.13E-08
486783.18, 3856143.15	0.00448	1.634E-05	5.66E-09	1.71E-08	1.35E-08	1.17E-08	5.25E-09	1.89E-10	4.56E-09	3.20E-09	2.77E-09	8.28E-10	1.16E-08
486533.18, 3856193.15	0.00424	1.546E-05	5.35E-09	1.62E-08	1.28E-08	1.10E-08	4.97E-09	1.79E-10	4.32E-09	3.03E-09	2.62E-09	7.83E-10	1.09E-08
486583.18, 3856193.15	0.00426	1.553E-05	5.38E-09	1.62E-08	1.28E-08	1.11E-08	4.99E-09	1.80E-10	4.34E-09	3.05E-09	2.64E-09	7.87E-10	1.10E-08
486633.18, 3856193.15	0.00431	1.572E-05	5.44E-09	1.64E-08	1.30E-08	1.12E-08	5.05E-09	1.82E-10	4.39E-09	3.08E-09	2.67E-09	7.96E-10	1.11E-08
486683.18, 3856193.15	0.00438	1.597E-05	5.53E-09	1.67E-08	1.32E-08	1.14E-08	5.13E-09	1.85E-10	4.46E-09	3.13E-09	2.71E-09	8.09E-10	1.13E-08
486733.18, 3856193.15	0.00443	1.615E-05	5.59E-09	1.69E-08	1.33E-08	1.15E-08	5.19E-09	1.87E-10	4.51E-09	3.17E-09	2.74E-09	8.19E-10	1.14E-08
486783.18, 3856193.15	0.00451	1.645E-05	5.69E-09	1.72E-08	1.36E-08	1.17E-08	5.28E-09	1.90E-10	4.59E-09	3.23E-09	2.79E-09	8.33E-10	1.16E-08
486533.18, 3856243.15	0.0043	1.568E-05	5.43E-09	1.64E-08	1.29E-08	1.12E-08	5.04E-09	1.81E-10	4.38E-09	3.08E-09	2.66E-09	7.95E-10	1.11E-08
486583.18, 3856243.15	0.00432	1.575E-05	5.45E-09	1.65E-08	1.30E-08	1.13E-08	5.06E-09	1.82E-10	4.40E-09	3.09E-09	2.67E-09	7.98E-10	1.11E-08
486633.18, 3856243.15	0.00436	1.59E-05	5.50E-09	1.66E-08	1.31E-08	1.14E-08	5.11E-09	1.84E-10	4.44E-09	3.12E-09	2.70E-09	8.06E-10	1.12E-08
486683.18, 3856243.15	0.00441	1.608E-05	5.57E-09	1.68E-08	1.33E-08	1.15E-08	5.17E-09	1.86E-10	4.49E-09	3.15E-09	2.73E-09	8.15E-10	1.14E-08
486733.18, 3856243.15	0.00448	1.634E-05	5.66E-09	1.71E-08	1.35E-08	1.17E-08	5.25E-09	1.89E-10	4.56E-09	3.20E-09	2.77E-09	8.28E-10	1.16E-08
486783.18, 3856243.15	0.00454	1.656E-05	5.73E-09	1.73E-08	1.37E-08	1.18E-08	5.32E-09	1.91E-10	4.62E-09	3.25E-09	2.81E-09	8.39E-10	1.17E-08

486533.18, 3856293.15	0.00438	1.597E-05	5.53E-09	1.67E-08	1.32E-08	1.14E-08	5.13E-09	1.85E-10	4.46E-09	3.13E-09	2.71E-09	8.09E-10	1.13E-08
486583.18, 3856293.15	0.00439	1.601E-05	5.54E-09	1.67E-08	1.32E-08	1.14E-08	5.14E-09	1.85E-10	4.47E-09	3.14E-09	2.72E-09	8.11E-10	1.13E-08
486633.18, 3856293.15	0.00442	1.612E-05	5.58E-09	1.68E-08	1.33E-08	1.15E-08	5.18E-09	1.86E-10	4.50E-09	3.16E-09	2.74E-09	8.17E-10	1.14E-08
486683.18, 3856293.15	0.00447	1.63E-05	5.64E-09	1.70E-08	1.35E-08	1.16E-08	5.24E-09	1.88E-10	4.55E-09	3.20E-09	2.77E-09	8.26E-10	1.15E-08
486733.18, 3856293.15	0.00454	1.656E-05	5.73E-09	1.73E-08	1.37E-08	1.18E-08	5.32E-09	1.91E-10	4.62E-09	3.25E-09	2.81E-09	8.39E-10	1.17E-08
486783.18, 3856293.15	0.00459	1.674E-05	5.79E-09	1.75E-08	1.38E-08	1.20E-08	5.38E-09	1.93E-10	4.67E-09	3.28E-09	2.84E-09	8.48E-10	1.18E-08
486783.18, 3856343.15	0.00467	1.703E-05	5.90E-09	1.78E-08	1.41E-08	1.22E-08	5.47E-09	1.97E-10	4.76E-09	3.34E-09	2.89E-09	8.63E-10	1.20E-08
486833.18, 3856343.15	0.00473	1.725E-05	5.97E-09	1.80E-08	1.42E-08	1.23E-08	5.54E-09	1.99E-10	4.82E-09	3.38E-09	2.93E-09	8.74E-10	1.22E-08
486883.18, 3856343.15	0.0048	1.75E-05	6.06E-09	1.83E-08	1.45E-08	1.25E-08	5.62E-09	2.02E-10	4.89E-09	3.43E-09	2.97E-09	8.87E-10	1.24E-08
486783.18, 3856393.15	0.00473	1.725E-05	5.97E-09	1.80E-08	1.42E-08	1.23E-08	5.54E-09	1.99E-10	4.82E-09	3.38E-09	2.93E-09	8.74E-10	1.22E-08
486833.18, 3856393.15	0.00479	1.747E-05	6.05E-09	1.83E-08	1.44E-08	1.25E-08	5.61E-09	2.02E-10	4.88E-09	3.43E-09	2.96E-09	8.85E-10	1.24E-08
486883.18, 3856393.15	0.00483	1.761E-05	6.10E-09	1.84E-08	1.45E-08	1.26E-08	5.66E-09	2.04E-10	4.92E-09	3.46E-09	2.99E-09	8.92E-10	1.25E-08
487208.74, 3856886.11	0.00629	2.294E-05	7.94E-09	2.40E-08	1.89E-08	1.64E-08	7.37E-09	2.65E-10	6.40E-09	4.50E-09	3.89E-09	1.16E-09	1.62E-08
487258.74, 3856886.11	0.00631	2.301E-05	7.97E-09	2.41E-08	1.90E-08	1.64E-08	7.39E-09	2.66E-10	6.42E-09	4.51E-09	3.91E-09	1.17E-09	1.63E-08
487308.74, 3856886.11	0.00633	2.308E-05	7.99E-09	2.41E-08	1.91E-08	1.65E-08	7.42E-09	2.67E-10	6.45E-09	4.53E-09	3.92E-09	1.17E-09	1.63E-08
487358.74, 3856886.11	0.00634	2.312E-05	8.00E-09	2.42E-08	1.91E-08	1.65E-08	7.43E-09	2.67E-10	6.46E-09	4.54E-09	3.92E-09	1.17E-09	1.64E-08
487208.74, 3856936.11	0.00646	2.356E-05	8.15E-09	2.46E-08	1.94E-08	1.68E-08	7.57E-09	2.72E-10	6.58E-09	4.62E-09	4.00E-09	1.19E-09	1.67E-08
487258.74, 3856936.11	0.00648	2.363E-05	8.18E-09	2.47E-08	1.95E-08	1.69E-08	7.59E-09	2.73E-10	6.60E-09	4.64E-09	4.01E-09	1.20E-09	1.67E-08
487308.74, 3856936.11	0.00651	2.374E-05	8.22E-09	2.48E-08	1.96E-08	1.70E-08	7.63E-09	2.74E-10	6.63E-09	4.66E-09	4.03E-09	1.20E-09	1.68E-08
487358.74, 3856936.11	0.00653	2.381E-05	8.24E-09	2.49E-08	1.97E-08	1.70E-08	7.65E-09	2.75E-10	6.65E-09	4.67E-09	4.04E-09	1.21E-09	1.68E-08
487208.74, 3856986.11	0.00663	2.418E-05	8.37E-09	2.53E-08	2.00E-08	1.73E-08	7.77E-09	2.79E-10	6.75E-09	4.74E-09	4.10E-09	1.23E-09	1.71E-08
487258.74, 3856986.11	0.00668	2.436E-05	8.43E-09	2.55E-08	2.01E-08	1.74E-08	7.83E-09	2.82E-10	6.80E-09	4.78E-09	4.13E-09	1.23E-09	1.72E-08
487308.74, 3856986.11	0.00669	2.44E-05	8.45E-09	2.55E-08	2.01E-08	1.74E-08	7.84E-09	2.82E-10	6.81E-09	4.79E-09	4.14E-09	1.24E-09	1.73E-08
487358.74, 3856986.11	0.00674	2.458E-05	8.51E-09	2.57E-08	2.03E-08	1.76E-08	7.90E-09	2.84E-10	6.86E-09	4.82E-09	4.17E-09	1.25E-09	1.74E-08
487208.74, 3857036.11	0.00679	2.476E-05	8.57E-09	2.59E-08	2.04E-08	1.77E-08	7.95E-09	2.86E-10	6.91E-09	4.86E-09	4.20E-09	1.25E-09	1.75E-08
487258.74, 3857036.11	0.00683	2.491E-05	8.62E-09	2.60E-08	2.06E-08	1.78E-08	8.00E-09	2.88E-10	6.95E-09	4.89E-09	4.23E-09	1.26E-09	1.76E-08
487308.74, 3857036.11	0.00689	2.513E-05	8.70E-09	2.63E-08	2.07E-08	1.79E-08	8.07E-09	2.90E-10	7.02E-09	4.93E-09	4.26E-09	1.27E-09	1.78E-08
487358.74, 3857036.11	0.00693	2.527E-05	8.75E-09	2.64E-08	2.09E-08	1.81E-08	8.12E-09	2.92E-10	7.06E-09	4.96E-09	4.29E-09	1.28E-09	1.79E-08
487427.14, 3856878.23	0.0064	2.334E-05	8.08E-09	2.44E-08	1.93E-08	1.67E-08	7.50E-09	2.70E-10	6.52E-09	4.58E-09	3.96E-09	1.18E-09	1.65E-08
487477.14, 3856878.23	0.00645	2.352E-05	8.14E-09	2.46E-08	1.94E-08	1.68E-08	7.56E-09	2.72E-10	6.57E-09	4.61E-09	3.99E-09	1.19E-09	1.66E-08
487527.14, 3856878.23	0.0065	2.37E-05	8.21E-09	2.48E-08	1.96E-08	1.69E-08	7.61E-09	2.74E-10	6.62E-09	4.65E-09	4.02E-09	1.20E-09	1.68E-08
487427.14, 3856928.23	0.00657	2.396E-05	8.29E-09	2.50E-08	1.98E-08	1.71E-08	7.70E-09	2.77E-10	6.69E-09	4.70E-09	4.07E-09	1.21E-09	1.69E-08
487477.14, 3856928.23	0.00659	2.403E-05	8.32E-09	2.51E-08	1.98E-08	1.72E-08	7.72E-09	2.78E-10	6.71E-09	4.71E-09	4.08E-09	1.22E-09	1.70E-08
487527.14, 3856928.23	0.00664	2.421E-05	8.38E-09	2.53E-08	2.00E-08	1.73E-08	7.78E-09	2.80E-10	6.76E-09	4.75E-09	4.11E-09	1.23E-09	1.71E-08
487577.14, 3856928.23	0.0067	2.443E-05	8.46E-09	2.55E-08	2.02E-08	1.75E-08	7.85E-09	2.82E-10	6.82E-09	4.79E-09	4.15E-09	1.24E-09	1.73E-08
487627.14, 3856928.23	0.00673	2.454E-05	8.50E-09	2.57E-08	2.03E-08	1.75E-08	7.88E-09	2.84E-10	6.85E-09	4.81E-09	4.17E-09	1.24E-09	1.74E-08
487677.14, 3856928.23	0.00681	2.483E-05	8.60E-09	2.60E-08	2.05E-08	1.77E-08	7.98E-09	2.87E-10	6.93E-09	4.87E-09	4.22E-09	1.26E-09	1.76E-08
487727.14, 3856928.23	0.00692	2.523E-05	8.74E-09	2.64E-08	2.08E-08	1.80E-08	8.11E-09	2.92E-10	7.05E-09	4.95E-09	4.28E-09	1.28E-09	1.78E-08
487777.14, 3856928.23	0.00699	2.549E-05	8.82E-09	2.66E-08	2.10E-08	1.82E-08	8.19E-09	2.95E-10	7.12E-09	5.00E-09	4.33E-09	1.29E-09	1.80E-08
487427.14, 3856978.23	0.00673	2.454E-05	8.50E-09	2.57E-08	2.03E-08	1.75E-08	7.88E-09	2.84E-10	6.85E-09	4.81E-09	4.17E-09	1.24E-09	1.74E-08
487477.14, 3856978.23	0.00678	2.472E-05	8.56E-09	2.58E-08	2.04E-08	1.77E-08	7.94E-09	2.86E-10	6.90E-09	4.85E-09	4.20E-09	1.25E-09	1.75E-08
487527.14, 3856978.23	0.00682	2.487E-05	8.61E-09	2.60E-08	2.05E-08	1.78E-08	7.99E-09	2.87E-10	6.94E-09	4.88E-09	4.22E-09	1.26E-09	1.76E-08
487577.14, 3856978.23	0.00686	2.502E-05	8.66E-09	2.61E-08	2.07E-08	1.79E-08	8.04E-09	2.89E-10	6.98E-09	4.91E-09	4.25E-09	1.27E-09	1.77E-08
487627.14, 3856978.23	0.00688	2.509E-05	8.68E-09	2.62E-08	2.07E-08	1.79E-08	8.06E-09	2.90E-10	7.01E-09	4.92E-09	4.26E-09	1.27E-09	1.77E-08
487677.14, 3856978.23	0.00696	2.538E-05	8.79E-09	2.65E-08	2.10E-08	1.81E-08	8.15E-09	2.93E-10	7.09E-09	4.98E-09	4.31E-09	1.29E-09	1.80E-08
487727.14, 3856978.23	0.00694	2.531E-05	8.76E-09	2.65E-08	2.09E-08	1.81E-08	8.13E-09	2.93E-10	7.07E-09	4.96E-09	4.30E-09	1.28E-09	1.79E-08
487777.14, 3856978.23	0.00714	2.604E-05	9.01E-09	2.72E-08	2.15E-08	1.86E-08	8.36E-09	3.01E-10	7.27E-09	5.11E-09	4.42E-09	1.32E-09	1.84E-08
487427.14, 3857028.23	0.00694	2.531E-05	8.76E-09	2.65E-08	2.09E-08	1.81E-08	8.13E-09	2.93E-10	7.07E-09	4.96E-09	4.30E-09	1.28E-09	1.79E-08
487477.14, 3857028.23	0.00698	2.545E-05	8.81E-09	2.66E-08	2.10E-08	1.82E-08	8.18E-09	2.94E-10	7.11E-09	4.99E-09	4.32E-09	1.29E-09	1.80E-08
487527.14, 3857028.23	0.007	2.553E-05	8.84E-09	2.67E-08	2.11E-08	1.82E-08	8.20E-09	2.95E-10	7.13E-09	5.01E-09	4.33E-09	1.29E-09	1.81E-08
487577.14, 3857028.23	0.00704	2.567E-05	8.89E-09	2.68E-08	2.12E-08	1.83E-08	8.25E-09	2.97E-10	7.17E-09	5.04E-09	4.36E-09	1.30E-09	1.82E-08
487627.14, 3857028.23	0.00705	2.571E-05	8.90E-09	2.69E-08	2.12E-08	1.84E-08	8.26E-09	2.97E-10	7.18E-09	5.04E-09	4.36E-09	1.30E-09	1.82E-08
487677.14, 3857028.23	0.0071	2.589E-05	8.96E-09	2.71E-08	2.14E-08	1.85E-08	8.32E-09	2.99E-10	7.23E-09	5.08E-09	4.39E-09	1.31E-09	1.83E-08
487727.14, 3857028.23	0.0072	2.626E-05	9.09E-09	2.74E-08	2.17E-08	1.88E-08	8.43E-09	3.04E-10	7.33E-09	5.15E-09	4.46E-09	1.33E-09	1.86E-08
487777.14, 3857028.23	0.00728	2.655E-05	9.19E-09	2.77E-08	2.19E-08	1.90E-08	8.53E-09	3.07E-10	7.41E-09	5.21E-09	4.51E-09	1.35E-09	1.88E-08
487427.14, 3857078.23	0.00714	2.604E-05	9.01E-09	2.72E-08	2.15E-08	1.86E-08	8.36E-09	3.01E-10	7.27E-09	5.11E-09	4.42E-09	1.32E-09	1.84E-08
487477.14, 3857078.23	0.00716	2.611E-05	9.04E-09	2.73E-08	2.16E-08	1.87E-08	8.39E-09	3.02E-10	7.29E-09	5.12E-09	4.43E-09	1.32E-09	1.85E-08
487527.14, 3857078.23	0.0072	2.626E-05	9.09E-09	2.74E-08	2.17E-08	1.88E-08	8.43E-09	3.04E-10	7.33E-09	5.15E-09	4.46E-09	1.33E-09	1.86E-08
487577.14, 3857078.23	0.00723	2.637E-05	9.13E-09	2.76E-08	2.18E-08	1.88E-08	8.47E-09	3.05E-10	7.36E-09	5.17E-09	4.48E-09	1.34E-09	1.86E-08
487627.14, 3857078.23	0.00725	2.644E-05	9.15E-09	2.76E-08	2.18E-08	1.89E-08	8.49E-09	3.06E-10	7.38E-09	5.19E-09	4.49E-09	1.34E-09	1.87E-08
487677.14, 3857078.23	0.0073	2.662E-05	9.22E-09	2.78E-08	2.20E-08	1.90E-08	8.55E-09	3.08E-10	7.43E-09	5.22E-09	4.52E-09	1.35E-09	1.88E-08
487727.14, 3857078.23	0.00737	2.688E-05	9.30E-09	2.81E-08	2.22E-08	1.92E-08	8.63E-09	3.11E-10	7.50E-09	5.27E-09	4.56E-09	1.36E-09	1.90E-08
487777.14, 3857078.23	0.00741	2.702E-05	9.35E-09	2.82E-08	2.23E-08	1.93E-08	8.68E-09	3.12E-10	7.55E-09	5.30E-09	4.59E-09	1.37E-09	1.91E-08
487427.14, 3857128.23	0.00734	2.677E-05	9.27E-09	2.80E-08	2.21E-08	1.91E-08	8.60E-09	3.09E-10	7.47E-09	5.25E-09	4.54E-09	1.36E-09	1.89E-08
487477.14, 3857128.23	0.00735	2.68E-05	9.28E-09	2.80E-08	2.21E-08	1.91E-08	8.61E-09	3.10E-10	7.48E-09	5.26E-09	4.55E-09	1.36E-09	1.90E-08
487527.14, 3857128.23	0.00737	2.688E-05	9.30E-09	2.81E-08	2.22E-08	1.92E-08	8.63E-09	3.11E-10	7.50E-09	5.27E-09	4.56E-09	1.36E-09	1.90E-08
487577.14, 3857128.23	0.00741	2.702E-05	9.35E-09	2.82E-08	2.23E-08	1.93E-08	8.68E-09	3.12E-10	7.55E-09	5.30E-09	4.59E-09	1.37E-09	1.91E-08
487627.14, 3857128.23	0.00745	2.717E-05	9.40E-09	2.84E-08	2.24E-08	1.94E-08	8.73E-09	3.14E-10	7.59E-09	5.33E-09	4.61E-09	1.38E-09	1.92E-08
487677.14, 3857128.23	0.00747	2.724E-05	9.43E-09	2.85E-08	2.25E-08	1.95E-08	8.75E-09	3.15E-10	7.61E-09	5.34E-09	4.62E-09	1.38E-09	1.93E-08
487727.14, 3857128.23	0.00757	2.761E-05	9.56E-09	2.89E-08	2.28E-08	1.97E-08	8.87E-09	3.19E-10	7.71E-09	5.42E-09	4.69E-09	1.40E-09	1.95E-08
487777.14, 3857128.23	0.0076	2.771E-05	9.59E-09	2.90E-08	2.29E-08	1.98E-08	8.90E-09	3.20E-10	7.74E-09	5.44E-09	4.70E-09	1.40E-09	1.96E-08
488049.44, 3856539.39	0.00715	2.607E-05	9.03E-09	2.73E-08	2.15E-08	1.86E-08	8.38E-09	3.01E-10	7.28E-09	5.11E-09	4.43E-09	1.32E-09	1.84E-08
488099.44, 3856539.39	0.00716	2.611E-05	9.04E-09	2.73E-08	2.16E-08	1.87E-08	8.39E-09	3.02E-10	7.29E-09	5.12E-09	4.43E-09	1.32E-09	1.85E-08
488149.44, 3856539.39	0.00719	2.622E-05	9.08E-09	2.74E-08	2.16E-08	1.87E-08	8.42E-09	3.03E-10	7.32E-09	5.14E-09	4.45E-09	1.33E-09	1.85E-08
488049.44, 3856589.39	0.00729	2.658E-05	9.20E-09	2.78E-08	2.19E-08	1.90E-08	8.54E-09	3.07E-10	7.42E-09	5.21E-09	4.51E-09	1.35E-09	1.88E-08
488099.44, 3856589.39	0.00733	2.673E-05	9.25E-09	2.79E-08	2.21E-08	1.91E-08	8.59E-09	3.09E-10	7.46E-09	5.24E-09	4.54E-09	1.35E-09	1.89E-08
488149.44, 3856589.39	0.00737	2.688E-05	9.30E-09	2.81E-08	2.22E-08	1.92E-08	8.63E-09	3.11E-10	7.50E-09	5.27E-09	4.56E-09	1.36E-09	1.90E-08
488199.44, 3856589.39	0.00737	2.688E-05	9.30E-09	2.81E-08	2.22E-08	1.92E-08	8.63E-09	3.11E-10	7.50E-09	5.27E-09	4.56E-09	1.36E-09	1.90E-08
488249.44, 3856589.39	0.00748	2.728E-05	9.44E-09	2.85E-08	2.25E-08	1.95E-08	8.76E-09	3.15E-10	7.62E-09	5.35E-09	4.63E-09	1.38E-09	1.93E-08
488049.44, 3856639.39	0.00739	2.695E-05	9.33E-09	2.82E-08	2.22E-08	1.93E-08	8.66E-09	3.12E-10	7.52E-09	5.29E-09	4.57E-09	1.37E-09	1.91E-08

488099.44, 3856639.39	0.00745	2.717E-05	9.40E-09	2.84E-08	2.24E-08	1.94E-08	8.73E-09	3.14E-10	7.59E-09	5.33E-09	4.61E-09	1.38E-09	1.92E-08
488149.44, 3856639.39	0.00751	2.739E-05	9.48E-09	2.86E-08	2.26E-08	1.96E-08	8.80E-09	3.17E-10	7.65E-09	5.37E-09	4.65E-09	1.39E-09	1.94E-08
488199.44, 3856639.39	0.00759	2.768E-05	9.58E-09	2.89E-08	2.29E-08	1.98E-08	8.89E-09	3.20E-10	7.73E-09	5.43E-09	4.70E-09	1.40E-09	1.96E-08
488249.44, 3856639.39	0.00765	2.79E-05	9.66E-09	2.92E-08	2.30E-08	1.99E-08	8.96E-09	3.22E-10	7.79E-09	5.47E-09	4.74E-09	1.41E-09	1.97E-08
488299.44, 3856639.39	0.00769	2.804E-05	9.71E-09	2.93E-08	2.32E-08	2.00E-08	9.01E-09	3.24E-10	7.83E-09	5.50E-09	4.76E-09	1.42E-09	1.98E-08
488349.44, 3856639.39	0.0077	2.808E-05	9.72E-09	2.93E-08	2.32E-08	2.01E-08	9.02E-09	3.25E-10	7.84E-09	5.51E-09	4.77E-09	1.42E-09	1.99E-08
488399.44, 3856639.39	0.00777	2.833E-05	9.81E-09	2.96E-08	2.34E-08	2.02E-08	9.10E-09	3.28E-10	7.91E-09	5.56E-09	4.81E-09	1.44E-09	2.00E-08
488099.44, 3856689.39	0.00757	2.761E-05	9.56E-09	2.89E-08	2.28E-08	1.97E-08	8.87E-09	3.19E-10	7.71E-09	5.42E-09	4.69E-09	1.40E-09	1.95E-08
488149.44, 3856689.39	0.00764	2.786E-05	9.64E-09	2.91E-08	2.30E-08	1.99E-08	8.95E-09	3.22E-10	7.78E-09	5.47E-09	4.73E-09	1.41E-09	1.97E-08
488199.44, 3856689.39	0.00774	2.823E-05	9.77E-09	2.95E-08	2.33E-08	2.02E-08	9.07E-09	3.26E-10	7.88E-09	5.54E-09	4.79E-09	1.43E-09	2.00E-08
488249.44, 3856689.39	0.00778	2.837E-05	9.82E-09	2.97E-08	2.34E-08	2.03E-08	9.11E-09	3.28E-10	7.92E-09	5.57E-09	4.82E-09	1.44E-09	2.01E-08
488299.44, 3856689.39	0.00789	2.877E-05	9.96E-09	3.01E-08	2.38E-08	2.06E-08	9.24E-09	3.33E-10	8.03E-09	5.64E-09	4.88E-09	1.46E-09	2.04E-08
488349.44, 3856689.39	0.00792	2.888E-05	1.00E-08	3.02E-08	2.38E-08	2.06E-08	9.28E-09	3.34E-10	8.06E-09	5.67E-09	4.90E-09	1.46E-09	2.04E-08
488399.44, 3856689.39	0.00787	2.87E-05	9.93E-09	3.00E-08	2.37E-08	2.05E-08	9.22E-09	3.32E-10	8.01E-09	5.63E-09	4.87E-09	1.45E-09	2.03E-08
488099.44, 3856739.39	0.00768	2.801E-05	9.69E-09	2.93E-08	2.31E-08	2.00E-08	9.00E-09	3.24E-10	7.82E-09	5.49E-09	4.75E-09	1.42E-09	1.98E-08
488149.44, 3856739.39	0.00774	2.823E-05	9.77E-09	2.95E-08	2.33E-08	2.02E-08	9.07E-09	3.26E-10	7.88E-09	5.54E-09	4.79E-09	1.43E-09	2.00E-08
488199.44, 3856739.39	0.00789	2.877E-05	9.96E-09	3.01E-08	2.38E-08	2.06E-08	9.24E-09	3.33E-10	8.03E-09	5.64E-09	4.88E-09	1.46E-09	2.04E-08
488249.44, 3856739.39	0.00795	2.899E-05	1.00E-08	3.03E-08	2.39E-08	2.07E-08	9.31E-09	3.35E-10	8.09E-09	5.69E-09	4.92E-09	1.47E-09	2.05E-08
488299.44, 3856739.39	0.00794	2.895E-05	1.00E-08	3.03E-08	2.39E-08	2.07E-08	9.30E-09	3.35E-10	8.08E-09	5.68E-09	4.91E-09	1.47E-09	2.05E-08
488349.44, 3856739.39	0.00811	2.957E-05	1.02E-08	3.09E-08	2.44E-08	2.11E-08	9.50E-09	3.42E-10	8.26E-09	5.80E-09	5.02E-09	1.50E-09	2.09E-08
488399.44, 3856739.39	0.00825	3.008E-05	1.04E-08	3.14E-08	2.48E-08	2.15E-08	9.66E-09	3.48E-10	8.40E-09	5.90E-09	5.11E-09	1.52E-09	2.13E-08
487999.44, 3856789.39	0.00739	2.695E-05	9.33E-09	2.82E-08	2.22E-08	1.93E-08	8.66E-09	3.12E-10	7.52E-09	5.29E-09	4.57E-09	1.37E-09	1.91E-08
488049.44, 3856789.39	0.00752	2.742E-05	9.49E-09	2.87E-08	2.26E-08	1.96E-08	8.81E-09	3.17E-10	7.66E-09	5.38E-09	4.65E-09	1.39E-09	1.94E-08
488099.44, 3856789.39	0.00771	2.812E-05	9.73E-09	2.94E-08	2.32E-08	2.01E-08	9.03E-09	3.25E-10	7.85E-09	5.52E-09	4.77E-09	1.42E-09	1.99E-08
488149.44, 3856789.39	0.00782	2.852E-05	9.87E-09	2.98E-08	2.35E-08	2.04E-08	9.16E-09	3.30E-10	7.96E-09	5.59E-09	4.84E-09	1.44E-09	2.02E-08
488199.44, 3856789.39	0.00796	2.903E-05	1.00E-08	3.03E-08	2.40E-08	2.07E-08	9.32E-09	3.36E-10	8.11E-09	5.69E-09	4.93E-09	1.47E-09	2.05E-08
488249.44, 3856789.39	0.00806	2.939E-05	1.02E-08	3.07E-08	2.43E-08	2.10E-08	9.44E-09	3.40E-10	8.21E-09	5.77E-09	4.99E-09	1.49E-09	2.08E-08
488299.44, 3856789.39	0.00809	2.95E-05	1.02E-08	3.08E-08	2.44E-08	2.11E-08	9.48E-09	3.41E-10	8.24E-09	5.79E-09	5.01E-09	1.49E-09	2.09E-08
488349.44, 3856789.39	0.00829	3.023E-05	1.05E-08	3.16E-08	2.50E-08	2.16E-08	9.71E-09	3.49E-10	8.44E-09	5.93E-09	5.13E-09	1.53E-09	2.14E-08
488399.44, 3856789.39	0.00843	3.074E-05	1.06E-08	3.21E-08	2.54E-08	2.20E-08	9.88E-09	3.55E-10	8.58E-09	6.03E-09	5.22E-09	1.56E-09	2.17E-08
487949.44, 3856839.39	0.00727	2.651E-05	9.18E-09	2.77E-08	2.19E-08	1.89E-08	8.52E-09	3.06E-10	7.40E-09	5.20E-09	4.50E-09	1.34E-09	1.88E-08
487999.44, 3856839.39	0.00741	2.702E-05	9.35E-09	2.82E-08	2.23E-08	1.93E-08	8.68E-09	3.12E-10	7.55E-09	5.30E-09	4.59E-09	1.37E-09	1.91E-08
488049.44, 3856839.39	0.00755	2.753E-05	9.53E-09	2.88E-08	2.27E-08	1.97E-08	8.84E-09	3.18E-10	7.69E-09	5.40E-09	4.67E-09	1.40E-09	1.95E-08
488099.44, 3856839.39	0.00771	2.812E-05	9.73E-09	2.94E-08	2.32E-08	2.01E-08	9.03E-09	3.25E-10	7.85E-09	5.52E-09	4.77E-09	1.42E-09	1.99E-08
488149.44, 3856839.39	0.00788	2.874E-05	9.95E-09	3.00E-08	2.37E-08	2.05E-08	9.23E-09	3.32E-10	8.02E-09	5.64E-09	4.88E-09	1.46E-09	2.03E-08
488199.44, 3856839.39	0.00804	2.932E-05	1.01E-08	3.06E-08	2.42E-08	2.09E-08	9.42E-09	3.39E-10	8.19E-09	5.75E-09	4.98E-09	1.49E-09	2.07E-08
487949.44, 3856889.39	0.00729	2.658E-05	9.20E-09	2.78E-08	2.19E-08	1.90E-08	8.54E-09	3.07E-10	7.42E-09	5.21E-09	4.51E-09	1.35E-09	1.88E-08
487999.44, 3856889.39	0.00747	2.724E-05	9.43E-09	2.85E-08	2.25E-08	1.95E-08	8.75E-09	3.15E-10	7.61E-09	5.34E-09	4.62E-09	1.38E-09	1.93E-08
488049.44, 3856889.39	0.00756	2.757E-05	9.54E-09	2.88E-08	2.28E-08	1.97E-08	8.86E-09	3.19E-10	7.70E-09	5.41E-09	4.68E-09	1.40E-09	1.95E-08
488099.44, 3856889.39	0.00775	2.826E-05	9.78E-09	2.95E-08	2.33E-08	2.02E-08	9.08E-09	3.27E-10	7.89E-09	5.54E-09	4.80E-09	1.43E-09	2.00E-08
488635.86, 3857895.05	0.01289	4.701E-05	1.63E-08	4.91E-08	3.88E-08	3.36E-08	1.51E-08	5.43E-10	1.31E-08	9.22E-09	7.98E-09	2.38E-09	3.32E-08
489137.64, 3857804.15	0.01294	4.719E-05	1.63E-08	4.93E-08	3.90E-08	3.37E-08	1.52E-08	5.45E-10	1.32E-08	9.26E-09	8.01E-09	2.39E-09	3.34E-08
488617.32, 3857859.41	0.01268	4.624E-05	1.60E-08	4.83E-08	3.82E-08	3.30E-08	1.49E-08	5.35E-10	1.29E-08	9.07E-09	7.85E-09	2.34E-09	3.27E-08
488667.32, 3857859.41	0.01269	4.628E-05	1.60E-08	4.84E-08	3.82E-08	3.31E-08	1.49E-08	5.35E-10	1.29E-08	9.08E-09	7.85E-09	2.34E-09	3.27E-08
488717.32, 3857859.41	0.01271	4.635E-05	1.60E-08	4.84E-08	3.83E-08	3.31E-08	1.49E-08	5.36E-10	1.29E-08	9.09E-09	7.87E-09	2.35E-09	3.28E-08
488767.32, 3857859.41	0.01291	4.708E-05	1.63E-08	4.92E-08	3.89E-08	3.36E-08	1.51E-08	5.44E-10	1.31E-08	9.24E-09	7.99E-09	2.39E-09	3.33E-08
488617.32, 3857909.41	0.01293	4.715E-05	1.63E-08	4.93E-08	3.89E-08	3.37E-08	1.51E-08	5.45E-10	1.32E-08	9.25E-09	8.00E-09	2.39E-09	3.34E-08
488667.32, 3857909.41	0.01317	4.803E-05	1.66E-08	5.02E-08	3.97E-08	3.43E-08	1.54E-08	5.55E-10	1.34E-08	9.42E-09	8.15E-09	2.43E-09	3.40E-08
488717.32, 3857909.41	0.013	4.741E-05	1.64E-08	4.95E-08	3.91E-08	3.39E-08	1.52E-08	5.48E-10	1.32E-08	9.30E-09	8.05E-09	2.40E-09	3.35E-08
488767.32, 3857909.41	0.01316	4.799E-05	1.66E-08	5.02E-08	3.96E-08	3.43E-08	1.54E-08	5.55E-10	1.34E-08	9.41E-09	8.15E-09	2.43E-09	3.39E-08
488417.32, 3857959.41	0.01269	4.628E-05	1.60E-08	4.84E-08	3.82E-08	3.31E-08	1.49E-08	5.35E-10	1.29E-08	9.08E-09	7.85E-09	2.34E-09	3.27E-08
488467.32, 3857959.41	0.01285	4.686E-05	1.62E-08	4.90E-08	3.87E-08	3.35E-08	1.51E-08	5.42E-10	1.31E-08	9.19E-09	7.95E-09	2.37E-09	3.31E-08
488517.32, 3857959.41	0.01302	4.748E-05	1.64E-08	4.96E-08	3.92E-08	3.39E-08	1.53E-08	5.49E-10	1.33E-08	9.31E-09	8.06E-09	2.41E-09	3.36E-08
488567.32, 3857959.41	0.01319	4.81E-05	1.67E-08	5.03E-08	3.97E-08	3.44E-08	1.55E-08	5.56E-10	1.34E-08	9.44E-09	8.16E-09	2.44E-09	3.40E-08
488617.32, 3857959.41	0.01325	4.832E-05	1.67E-08	5.05E-08	3.99E-08	3.45E-08	1.55E-08	5.59E-10	1.35E-08	9.48E-09	8.20E-09	2.45E-09	3.42E-08
488667.32, 3857959.41	0.01329	4.846E-05	1.68E-08	5.07E-08	4.00E-08	3.46E-08	1.56E-08	5.60E-10	1.35E-08	9.51E-09	8.23E-09	2.46E-09	3.43E-08
488717.32, 3857959.41	0.01342	4.894E-05	1.69E-08	5.12E-08	4.04E-08	3.50E-08	1.57E-08	5.66E-10	1.37E-08	9.60E-09	8.31E-09	2.48E-09	3.46E-08
488767.32, 3857959.41	0.01346	4.908E-05	1.70E-08	5.13E-08	4.05E-08	3.51E-08	1.58E-08	5.67E-10	1.37E-08	9.63E-09	8.33E-09	2.49E-09	3.47E-08
488417.32, 3858009.41	0.01287	4.693E-05	1.62E-08	4.91E-08	3.87E-08	3.35E-08	1.51E-08	5.43E-10	1.31E-08	9.21E-09	7.97E-09	2.38E-09	3.32E-08
488467.32, 3858009.41	0.0131	4.777E-05	1.65E-08	4.99E-08	3.94E-08	3.41E-08	1.53E-08	5.52E-10	1.33E-08	9.37E-09	8.11E-09	2.42E-09	3.38E-08
488517.32, 3858009.41	0.01329	4.846E-05	1.68E-08	5.07E-08	4.00E-08	3.46E-08	1.56E-08	5.60E-10	1.35E-08	9.51E-09	8.23E-09	2.46E-09	3.43E-08
488567.32, 3858009.41	0.01351	4.927E-05	1.71E-08	5.15E-08	4.07E-08	3.52E-08	1.58E-08	5.69E-10	1.38E-08	9.66E-09	8.36E-09	2.50E-09	3.48E-08
488617.32, 3858009.41	0.01353	4.934E-05	1.71E-08	5.16E-08	4.07E-08	3.52E-08	1.58E-08	5.70E-10	1.38E-08	9.68E-09	8.37E-09	2.50E-09	3.49E-08
488667.32, 3858009.41	0.01355	4.941E-05	1.71E-08	5.16E-08	4.08E-08	3.53E-08	1.59E-08	5.71E-10	1.38E-08	9.69E-09	8.39E-09	2.50E-09	3.50E-08
488717.32, 3858009.41	0.01364	4.974E-05	1.72E-08	5.20E-08	4.11E-08	3.55E-08	1.60E-08	5.75E-10	1.39E-08	9.76E-09	8.44E-09	2.52E-09	3.52E-08
488767.32, 3858009.41	0.01372	5.003E-05	1.73E-08	5.23E-08	4.13E-08	3.57E-08	1.61E-08	5.78E-10	1.40E-08	9.81E-09	8.49E-09	2.54E-09	3.54E-08
488417.32, 3858059.41	0.01311	4.781E-05	1.65E-08	5.00E-08	3.95E-08	3.42E-08	1.54E-08	5.53E-10	1.33E-08	9.38E-09	8.11E-09	2.42E-09	3.38E-08
488467.32, 3858059.41	0.01336	4.872E-05	1.69E-08	5.09E-08	4.02E-08	3.48E-08	1.57E-08	5.63E-10	1.36E-08	9.56E-09	8.27E-09	2.47E-09	3.45E-08
488517.32, 3858059.41	0.01356	4.945E-05	1.71E-08	5.17E-08	4.08E-08	3.53E-08	1.59E-08	5.72E-10	1.38E-08	9.70E-09	8.39E-09	2.51E-09	3.50E-08
488567.32, 3858059.41	0.01377	5.021E-05	1.74E-08	5.25E-08	4.15E-08	3.59E-08	1.61E-08	5.80E-10	1.40E-08	9.85E-09	8.52E-09	2.54E-09	3.55E-08
488617.32, 3858059.41	0.01393	5.08E-05	1.76E-08	5.31E-08	4.19E-08	3.63E-08	1.63E-08	5.87E-10	1.42E-08	9.96E-09	8.62E-09	2.57E-09	3.59E-08
488667.32, 3858059.41	0.01394	5.083E-05	1.76E-08	5.31E-08	4.20E-08	3.63E-08	1.63E-08	5.88E-10	1.42E-08	9.97E-09	8.63E-09	2.58E-09	3.60E-08
488417.32, 3858109.41	0.01309	4.773E-05	1.65E-08	4.99E-08	3.94E-08	3.41E-08	1.53E-08	5.52E-10	1.33E-08	9.36E-09	8.10E-09	2.42E-09	3.38E-08
488467.32, 3858109.41	0.01343	4.897E-05	1.70E-08	5.12E-08	4.04E-08	3.50E-08	1.57E-08	5.66E-10	1.37E-08	9.61E-09	8.31E-09	2.48E-09	3.46E-08
488517.32, 3858109.41	0.01375	5.014E-05	1.74E-08	5.24E-08	4.14E-08	3.58E-08	1.61E-08	5.80E-10	1.40E-08	9.84E-09	8.51E-09	2.54E-09	3.55E-08
488567.32, 3858109.41	0.01397	5.094E-05	1.76E-08	5.32E-08	4.21E-08	3.64E-08	1.64E-08	5.89E-10	1.42E-08	9.99E-09	8.65E-09	2.58E-09	3.60E-08
488617.32, 3858109.41	0.01421	5.182E-05	1.79E-08	5.42E-08	4.28E-08	3.70E-08	1.66E-08	5.99E-10	1.45E-08	1.02E-08	8.80E-09	2.63E-09	3.67E-08
488667.32, 3858109.41	0.01422	5.186E-05	1.80E-08	5.42E-08	4.28E-08	3.70E-08	1.67E-08	5.99E-10	1.45E-08	1.02E-08	8.80E-09	2.63E-09	3.67E-08
488769.93, 3858449.27	0.01532	5.587E-05	1.93E-08	5.84E-08	4.61E-08	3.99E-08	1.79E-08	6.46E-10	1.56E-08	1.10E-08	9.48E-09	2.83E-09	3.95E-08
488819.93, 3858449.27	0.01536	5.601E-05	1.94E-08	5.85E-08	4.62E-08	4.00E-08	1.80E-08	6.47E-10	1.56E-08	1.10E-08	9.51E-09	2.84E-09	3.96E-08

488819.93, 3858499.27	0.01554	5.667E-05	1.96E-08	5.92E-08	4.68E-08	4.05E-08	1.82E-08	6.55E-10	1.58E-08	1.11E-08	9.62E-09	2.87E-09	4.01E-08
488869.93, 3858499.27	0.01555	5.671E-05	1.96E-08	5.93E-08	4.68E-08	4.05E-08	1.82E-08	6.55E-10	1.58E-08	1.11E-08	9.63E-09	2.87E-09	4.01E-08
488869.93, 3858549.27	0.01572	5.733E-05	1.98E-08	5.99E-08	4.73E-08	4.10E-08	1.84E-08	6.63E-10	1.60E-08	1.12E-08	9.73E-09	2.90E-09	4.05E-08
489438.17, 3859571.48	0.0232	8.46E-05	2.93E-08	8.84E-08	6.98E-08	6.04E-08	2.72E-08	9.78E-10	2.36E-08	1.66E-08	1.44E-08	4.29E-09	5.98E-08
489488.17, 3859571.48	0.02359	8.602E-05	2.98E-08	8.99E-08	7.10E-08	6.15E-08	2.76E-08	9.94E-10	2.40E-08	1.69E-08	1.46E-08	4.36E-09	6.08E-08
489538.17, 3859571.48	0.02396	8.737E-05	3.02E-08	9.13E-08	7.21E-08	6.24E-08	2.81E-08	1.01E-09	2.44E-08	1.71E-08	1.48E-08	4.43E-09	6.18E-08
489588.17, 3859571.48	0.02454	8.949E-05	3.10E-08	9.35E-08	7.39E-08	6.39E-08	2.87E-08	1.03E-09	2.50E-08	1.76E-08	1.52E-08	4.53E-09	6.33E-08
489438.17, 3859621.48	0.02286	8.336E-05	2.89E-08	8.71E-08	6.88E-08	5.96E-08	2.68E-08	9.64E-10	2.33E-08	1.64E-08	1.41E-08	4.22E-09	5.90E-08
489488.17, 3859621.48	0.02339	8.53E-05	2.95E-08	8.92E-08	7.04E-08	6.09E-08	2.74E-08	9.86E-10	2.38E-08	1.67E-08	1.45E-08	4.32E-09	6.03E-08
489538.17, 3859621.48	0.02384	8.694E-05	3.01E-08	9.09E-08	7.18E-08	6.21E-08	2.79E-08	1.00E-09	2.43E-08	1.71E-08	1.48E-08	4.40E-09	6.15E-08
489588.17, 3859621.48	0.02405	8.77E-05	3.04E-08	9.17E-08	7.24E-08	6.27E-08	2.82E-08	1.01E-09	2.45E-08	1.72E-08	1.49E-08	4.44E-09	6.20E-08
489238.17, 3859671.48	0.02078	7.578E-05	2.62E-08	7.92E-08	6.26E-08	5.41E-08	2.43E-08	8.76E-10	2.12E-08	1.49E-08	1.29E-08	3.84E-09	5.36E-08
489288.17, 3859671.48	0.02122	7.738E-05	2.68E-08	8.09E-08	6.39E-08	5.53E-08	2.49E-08	8.94E-10	2.16E-08	1.52E-08	1.31E-08	3.92E-09	5.47E-08
489338.17, 3859671.48	0.02155	7.859E-05	2.72E-08	8.21E-08	6.49E-08	5.61E-08	2.52E-08	9.08E-10	2.19E-08	1.54E-08	1.33E-08	3.98E-09	5.56E-08
489388.17, 3859671.48	0.02171	7.917E-05	2.74E-08	8.27E-08	6.54E-08	5.66E-08	2.54E-08	9.15E-10	2.21E-08	1.55E-08	1.34E-08	4.01E-09	5.60E-08
489438.17, 3859671.48	0.02229	8.128E-05	2.81E-08	8.50E-08	6.71E-08	5.81E-08	2.61E-08	9.40E-10	2.27E-08	1.59E-08	1.38E-08	4.12E-09	5.75E-08
489488.17, 3859671.48	0.0225	8.205E-05	2.84E-08	8.58E-08	6.77E-08	5.86E-08	2.64E-08	9.48E-10	2.29E-08	1.61E-08	1.39E-08	4.16E-09	5.80E-08
489538.17, 3859671.48	0.0229	8.351E-05	2.89E-08	8.73E-08	6.89E-08	5.97E-08	2.68E-08	9.65E-10	2.33E-08	1.64E-08	1.42E-08	4.23E-09	5.91E-08
489588.17, 3859671.48	0.02322	8.468E-05	2.93E-08	8.85E-08	6.99E-08	6.05E-08	2.72E-08	9.79E-10	2.36E-08	1.66E-08	1.44E-08	4.29E-09	5.99E-08
489238.17, 3859721.48	0.02059	7.508E-05	2.60E-08	7.85E-08	6.20E-08	5.36E-08	2.41E-08	8.68E-10	2.10E-08	1.47E-08	1.27E-08	3.80E-09	5.31E-08
489288.17, 3859721.48	0.02057	7.501E-05	2.60E-08	7.84E-08	6.19E-08	5.36E-08	2.41E-08	8.67E-10	2.09E-08	1.47E-08	1.27E-08	3.80E-09	5.31E-08
489338.17, 3859721.48	0.02082	7.592E-05	2.63E-08	7.94E-08	6.27E-08	5.42E-08	2.44E-08	8.78E-10	2.12E-08	1.49E-08	1.29E-08	3.85E-09	5.37E-08
489388.17, 3859721.48	0.02115	7.713E-05	2.67E-08	8.06E-08	6.37E-08	5.51E-08	2.48E-08	8.92E-10	2.15E-08	1.51E-08	1.31E-08	3.91E-09	5.46E-08
489438.17, 3859721.48	0.02162	7.884E-05	2.73E-08	8.24E-08	6.51E-08	5.63E-08	2.53E-08	9.11E-10	2.20E-08	1.55E-08	1.34E-08	3.99E-09	5.58E-08
489488.17, 3859721.48	0.02169	7.91E-05	2.74E-08	8.27E-08	6.53E-08	5.65E-08	2.54E-08	9.14E-10	2.21E-08	1.55E-08	1.34E-08	4.01E-09	5.59E-08
489538.17, 3859721.48	0.02196	8.008E-05	2.77E-08	8.37E-08	6.61E-08	5.72E-08	2.57E-08	9.26E-10	2.24E-08	1.57E-08	1.36E-08	4.06E-09	5.66E-08
489588.17, 3859721.48	0.02228	8.125E-05	2.81E-08	8.49E-08	6.71E-08	5.80E-08	2.61E-08	9.39E-10	2.27E-08	1.59E-08	1.38E-08	4.12E-09	5.75E-08
489238.17, 3859771.48	0.02066	7.534E-05	2.61E-08	7.87E-08	6.22E-08	5.38E-08	2.42E-08	8.71E-10	2.10E-08	1.48E-08	1.28E-08	3.82E-09	5.33E-08
489288.17, 3859771.48	0.02052	7.483E-05	2.59E-08	7.82E-08	6.18E-08	5.35E-08	2.40E-08	8.65E-10	2.09E-08	1.47E-08	1.27E-08	3.79E-09	5.29E-08
489338.17, 3859771.48	0.02078	7.578E-05	2.62E-08	7.92E-08	6.26E-08	5.41E-08	2.43E-08	8.76E-10	2.12E-08	1.49E-08	1.29E-08	3.84E-09	5.36E-08
489388.17, 3859771.48	0.0209	7.622E-05	2.64E-08	7.97E-08	6.29E-08	5.44E-08	2.45E-08	8.81E-10	2.13E-08	1.50E-08	1.29E-08	3.86E-09	5.39E-08
489438.17, 3859771.48	0.02128	7.76E-05	2.69E-08	8.11E-08	6.41E-08	5.54E-08	2.49E-08	8.97E-10	2.17E-08	1.52E-08	1.32E-08	3.93E-09	5.49E-08
489488.17, 3859771.48	0.02106	7.68E-05	2.66E-08	8.03E-08	6.34E-08	5.49E-08	2.47E-08	8.88E-10	2.14E-08	1.51E-08	1.30E-08	3.89E-09	5.43E-08
489538.17, 3859771.48	0.02105	7.676E-05	2.66E-08	8.02E-08	6.34E-08	5.48E-08	2.47E-08	8.87E-10	2.14E-08	1.51E-08	1.30E-08	3.89E-09	5.43E-08
489588.17, 3859771.48	0.02146	7.826E-05	2.71E-08	8.18E-08	6.46E-08	5.59E-08	2.51E-08	9.05E-10	2.19E-08	1.54E-08	1.33E-08	3.97E-09	5.54E-08
489238.17, 3859821.48	0.02114	7.709E-05	2.67E-08	8.06E-08	6.36E-08	5.51E-08	2.48E-08	8.91E-10	2.15E-08	1.51E-08	1.31E-08	3.91E-09	5.45E-08
489288.17, 3859821.48	0.02087	7.611E-05	2.63E-08	7.95E-08	6.28E-08	5.44E-08	2.44E-08	8.80E-10	2.13E-08	1.49E-08	1.29E-08	3.86E-09	5.38E-08
489338.17, 3859821.48	0.02095	7.64E-05	2.64E-08	7.99E-08	6.31E-08	5.46E-08	2.45E-08	8.83E-10	2.13E-08	1.50E-08	1.30E-08	3.87E-09	5.40E-08
489388.17, 3859821.48	0.02099	7.654E-05	2.65E-08	8.00E-08	6.32E-08	5.47E-08	2.46E-08	8.85E-10	2.14E-08	1.50E-08	1.30E-08	3.88E-09	5.41E-08
489438.17, 3859821.48	0.02076	7.57E-05	2.62E-08	7.91E-08	6.25E-08	5.41E-08	2.43E-08	8.75E-10	2.11E-08	1.49E-08	1.28E-08	3.84E-09	5.35E-08
489488.17, 3859821.48	0.0206	7.512E-05	2.60E-08	7.85E-08	6.20E-08	5.37E-08	2.41E-08	8.68E-10	2.10E-08	1.47E-08	1.28E-08	3.81E-09	5.31E-08
489538.17, 3859821.48	0.02047	7.465E-05	2.58E-08	7.80E-08	6.16E-08	5.33E-08	2.40E-08	8.63E-10	2.08E-08	1.46E-08	1.27E-08	3.78E-09	5.28E-08
489588.17, 3859821.48	0.02072	7.556E-05	2.62E-08	7.90E-08	6.24E-08	5.40E-08	2.43E-08	8.73E-10	2.11E-08	1.48E-08	1.28E-08	3.83E-09	5.34E-08
489238.17, 3859871.48	0.02165	7.895E-05	2.73E-08	8.25E-08	6.52E-08	5.64E-08	2.54E-08	9.13E-10	2.20E-08	1.55E-08	1.34E-08	4.00E-09	5.58E-08
489288.17, 3859871.48	0.02153	7.851E-05	2.72E-08	8.21E-08	6.48E-08	5.61E-08	2.52E-08	9.08E-10	2.19E-08	1.54E-08	1.33E-08	3.98E-09	5.55E-08
489338.17, 3859871.48	0.02143	7.815E-05	2.71E-08	8.17E-08	6.45E-08	5.58E-08	2.51E-08	9.03E-10	2.18E-08	1.53E-08	1.33E-08	3.96E-09	5.53E-08
489388.17, 3859871.48	0.02113	7.705E-05	2.67E-08	8.05E-08	6.36E-08	5.50E-08	2.48E-08	8.91E-10	2.15E-08	1.51E-08	1.31E-08	3.90E-09	5.45E-08
489438.17, 3859871.48	0.02053	7.487E-05	2.59E-08	7.83E-08	6.18E-08	5.35E-08	2.40E-08	8.65E-10	2.09E-08	1.47E-08	1.27E-08	3.79E-09	5.30E-08
489488.17, 3859871.48	0.01984	7.235E-05	2.50E-08	7.56E-08	5.97E-08	5.17E-08	2.32E-08	8.36E-10	2.02E-08	1.42E-08	1.23E-08	3.67E-09	5.12E-08
489538.17, 3859871.48	0.02008	7.323E-05	2.53E-08	7.65E-08	6.05E-08	5.23E-08	2.35E-08	8.46E-10	2.04E-08	1.44E-08	1.24E-08	3.71E-09	5.18E-08
489588.17, 3859871.48	0.02009	7.326E-05	2.54E-08	7.66E-08	6.05E-08	5.23E-08	2.35E-08	8.47E-10	2.05E-08	1.44E-08	1.24E-08	3.71E-09	5.18E-08
489238.17, 3859921.48	0.02204	8.037E-05	2.78E-08	8.40E-08	6.64E-08	5.74E-08	2.58E-08	9.29E-10	2.24E-08	1.58E-08	1.36E-08	4.07E-09	5.69E-08
489288.17, 3859921.48	0.02168	7.906E-05	2.74E-08	8.26E-08	6.53E-08	5.65E-08	2.54E-08	9.14E-10	2.21E-08	1.55E-08	1.34E-08	4.01E-09	5.59E-08
489338.17, 3859921.48	0.02152	7.848E-05	2.72E-08	8.20E-08	6.48E-08	5.61E-08	2.52E-08	9.07E-10	2.19E-08	1.54E-08	1.33E-08	3.98E-09	5.55E-08
489388.17, 3859921.48	0.02102	7.665E-05	2.65E-08	8.01E-08	6.33E-08	5.48E-08	2.46E-08	8.86E-10	2.14E-08	1.50E-08	1.30E-08	3.88E-09	5.42E-08
489438.17, 3859921.48	0.02018	7.359E-05	2.55E-08	7.69E-08	6.08E-08	5.26E-08	2.36E-08	8.51E-10	2.05E-08	1.44E-08	1.25E-08	3.73E-09	5.21E-08
489488.17, 3859921.48	0.01991	7.261E-05	2.51E-08	7.59E-08	5.99E-08	5.19E-08	2.33E-08	8.39E-10	2.03E-08	1.42E-08	1.23E-08	3.68E-09	5.14E-08
489538.17, 3859921.48	0.01989	7.253E-05	2.51E-08	7.58E-08	5.99E-08	5.18E-08	2.33E-08	8.38E-10	2.03E-08	1.42E-08	1.23E-08	3.68E-09	5.13E-08
489588.17, 3859921.48	0.019	6.929E-05	2.40E-08	7.24E-08	5.72E-08	4.95E-08	2.23E-08	8.01E-10	1.93E-08	1.36E-08	1.18E-08	3.51E-09	4.90E-08
489238.17, 3859971.48	0.02234	8.147E-05	2.82E-08	8.51E-08	6.73E-08	5.82E-08	2.62E-08	9.42E-10	2.27E-08	1.60E-08	1.38E-08	4.13E-09	5.76E-08
489288.17, 3859971.48	0.02217	8.085E-05	2.80E-08	8.45E-08	6.67E-08	5.78E-08	2.60E-08	9.35E-10	2.26E-08	1.59E-08	1.37E-08	4.10E-09	5.72E-08
489338.17, 3859971.48	0.02177	7.939E-05	2.75E-08	8.30E-08	6.55E-08	5.67E-08	2.55E-08	9.18E-10	2.22E-08	1.56E-08	1.35E-08	4.02E-09	5.62E-08
489388.17, 3859971.48	0.02099	7.654E-05	2.65E-08	8.00E-08	6.32E-08	5.47E-08	2.46E-08	8.85E-10	2.14E-08	1.50E-08	1.30E-08	3.88E-09	5.41E-08
489438.17, 3859971.48	0.01994	7.271E-05	2.52E-08	7.60E-08	6.00E-08	5.19E-08	2.34E-08	8.41E-10	2.03E-08	1.43E-08	1.23E-08	3.68E-09	5.14E-08
489488.17, 3859971.48	0.01873	6.83E-05	2.36E-08	7.14E-08	5.64E-08	4.88E-08	2.19E-08	7.90E-10	1.91E-08	1.34E-08	1.16E-08	3.46E-09	4.83E-08
489538.17, 3859971.48	0.01812	6.608E-05	2.29E-08	6.91E-08	5.46E-08	4.72E-08	2.12E-08	7.64E-10	1.85E-08	1.30E-08	1.12E-08	3.35E-09	4.67E-08
489588.17, 3859971.48	0.01774	6.469E-05	2.24E-08	6.76E-08	5.34E-08	4.62E-08	2.08E-08	7.48E-10	1.81E-08	1.27E-08	1.10E-08	3.28E-09	4.58E-08
483577.7, 3854071	0.00415	1.513E-05	5.24E-09	1.58E-08	1.25E-08	1.08E-08	4.86E-09	1.75E-10	4.23E-09	2.97E-09	2.57E-09	7.67E-10	1.07E-08
483627.7, 3854071	0.00413	1.506E-05	5.21E-09	1.57E-08	1.24E-08	1.08E-08	4.84E-09	1.74E-10	4.21E-09	2.95E-09	2.56E-09	7.63E-10	1.07E-08
483677.7, 3854071	0.00409	1.491E-05	5.16E-09	1.56E-08	1.23E-08	1.07E-08	4.79E-09	1.72E-10	4.16E-09	2.93E-09	2.53E-09	7.56E-10	1.06E-08
483727.7, 3854071	0.00404	1.473E-05	5.10E-09	1.54E-08	1.22E-08	1.05E-08	4.73E-09	1.70E-10	4.11E-09	2.89E-09	2.50E-09	7.46E-10	1.04E-08
483777.7, 3854071	0.00395	1.44E-05	4.99E-09	1.51E-08	1.19E-08	1.03E-08	4.63E-09	1.67E-10	4.02E-09	2.83E-09	2.44E-09	7.30E-10	1.02E-08
483577.7, 3854121	0.0041	1.495E-05	5.18E-09	1.56E-08	1.23E-08	1.07E-08	4.80E-09	1.73E-10	4.17E-09	2.93E-09	2.54E-09	7.58E-10	1.06E-08
483627.7, 3854121	0.00404	1.473E-05	5.10E-09	1.54E-08	1.22E-08	1.05E-08	4.73E-09	1.70E-10	4.11E-09	2.89E-09	2.50E-09	7.46E-10	1.04E-08
483677.7, 3854121	0.00395	1.44E-05	4.99E-09	1.51E-08	1.19E-08	1.03E-08	4.63E-09	1.67E-10	4.02E-09	2.83E-09	2.44E-09	7.30E-10	1.02E-08
483727.7, 3854121	0.00385	1.404E-05	4.86E-09	1.47E-08	1.16E-08	1.00E-08	4.51E-09	1.62E-10	3.92E-09	2.75E-09	2.38E-09	7.11E-10	9.93E-09
483777.7, 3854121	0.00381	1.389E-05	4.81E-09	1.45E-08	1.15E-08	9.93E-09	4.46E-09	1.61E-10	3.88E-09	2.73E-09	2.36E-09	7.04E-10	9.83E-09
483577.7, 3854171	0.00396	1.444E-05	5.00E-09	1.51E-08	1.19E-08	1.03E-08	4.64E-09	1.67E-10	4.03E-09	2.83E-09	2.45E-09	7.32E-10	1.02E-08
483627.7, 3854171	0.00385	1.404E-05	4.86E-09	1.47E-08	1.16E-08	1.00E-08	4.51E-09	1.62E-10	3.92E-09	2.75E-09	2.38E-09	7.11E-10	9.93E-09
483677.7, 3854171	0.00378	1.378E-05	4.77E-09	1.44E-08	1.14E-08	9.85E-09	4.43E-09	1.59E-10	3.85E-09	2.70E-09	2.34E-09	6.98E-10	9.75E-09

483727.7, 3854171	0.00373	1.36E-05	4.71E-09	1.42E-08	1.12E-08	9.72E-09	4.37E-09	1.57E-10	3.80E-09	2.67E-09	2.31E-09	6.89E-10	9.62E-09
483777.7, 3854171	0.00367	1.338E-05	4.63E-09	1.40E-08	1.10E-08	9.56E-09	4.30E-09	1.55E-10	3.74E-09	2.63E-09	2.27E-09	6.78E-10	9.47E-09
483827.7, 3854171	0.00357	1.302E-05	4.51E-09	1.36E-08	1.07E-08	9.30E-09	4.18E-09	1.50E-10	3.64E-09	2.55E-09	2.21E-09	6.60E-10	9.21E-09
483877.7, 3854171	0.00353	1.287E-05	4.46E-09	1.35E-08	1.06E-08	9.20E-09	4.14E-09	1.49E-10	3.59E-09	2.53E-09	2.18E-09	6.52E-10	9.11E-09
483727.7, 3854221	0.00363	1.324E-05	4.58E-09	1.38E-08	1.09E-08	9.46E-09	4.25E-09	1.53E-10	3.70E-09	2.60E-09	2.25E-09	6.71E-10	9.36E-09
483777.7, 3854221	0.00357	1.302E-05	4.51E-09	1.36E-08	1.07E-08	9.30E-09	4.18E-09	1.50E-10	3.64E-09	2.55E-09	2.21E-09	6.60E-10	9.21E-09
483827.7, 3854221	0.00357	1.302E-05	4.51E-09	1.36E-08	1.07E-08	9.30E-09	4.18E-09	1.50E-10	3.64E-09	2.55E-09	2.21E-09	6.60E-10	9.21E-09
483877.7, 3854221	0.0035	1.276E-05	4.42E-09	1.33E-08	1.05E-08	9.12E-09	4.10E-09	1.48E-10	3.56E-09	2.50E-09	2.17E-09	6.47E-10	9.03E-09
489150.19, 3858726.45	0.01595	5.816E-05	2.01E-08	6.08E-08	4.80E-08	4.16E-08	1.87E-08	6.72E-10	1.62E-08	1.14E-08	9.87E-09	2.95E-09	4.11E-08
489200.19, 3858726.45	0.01599	5.831E-05	2.02E-08	6.09E-08	4.81E-08	4.17E-08	1.87E-08	6.74E-10	1.63E-08	1.14E-08	9.90E-09	2.95E-09	4.12E-08
489150.19, 3858776.45	0.01631	5.948E-05	2.06E-08	6.22E-08	4.91E-08	4.25E-08	1.91E-08	6.88E-10	1.66E-08	1.17E-08	1.01E-08	3.01E-09	4.21E-08
489200.19, 3858776.45	0.01615	5.889E-05	2.04E-08	6.16E-08	4.86E-08	4.21E-08	1.89E-08	6.81E-10	1.64E-08	1.16E-08	1.00E-08	2.98E-09	4.17E-08
488919.6, 3856400.76	0.00709	2.585E-05	8.95E-09	2.70E-08	2.13E-08	1.85E-08	8.31E-09	2.99E-10	7.22E-09	5.07E-09	4.39E-09	1.31E-09	1.83E-08
488919.6, 3856450.76	0.00723	2.637E-05	9.13E-09	2.76E-08	2.18E-08	1.88E-08	8.47E-09	3.05E-10	7.36E-09	5.17E-09	4.48E-09	1.34E-09	1.86E-08
488969.6, 3856450.76	0.00725	2.644E-05	9.15E-09	2.76E-08	2.18E-08	1.89E-08	8.49E-09	3.06E-10	7.38E-09	5.19E-09	4.49E-09	1.34E-09	1.87E-08
488919.6, 3856500.76	0.00737	2.688E-05	9.30E-09	2.81E-08	2.22E-08	1.92E-08	8.63E-09	3.11E-10	7.50E-09	5.27E-09	4.56E-09	1.36E-09	1.90E-08
488969.6, 3856500.76	0.00743	2.709E-05	9.38E-09	2.83E-08	2.24E-08	1.94E-08	8.70E-09	3.13E-10	7.57E-09	5.32E-09	4.60E-09	1.37E-09	1.92E-08
488919.6, 3856550.76	0.00756	2.757E-05	9.54E-09	2.88E-08	2.28E-08	1.97E-08	8.86E-09	3.19E-10	7.70E-09	5.41E-09	4.68E-09	1.40E-09	1.95E-08
488969.6, 3856550.76	0.00759	2.768E-05	9.58E-09	2.89E-08	2.29E-08	1.98E-08	8.89E-09	3.20E-10	7.73E-09	5.43E-09	4.70E-09	1.40E-09	1.96E-08
488819.6, 3856600.76	0.00762	2.779E-05	9.62E-09	2.90E-08	2.29E-08	1.99E-08	8.93E-09	3.21E-10	7.76E-09	5.45E-09	4.72E-09	1.41E-09	1.97E-08
488869.6, 3856600.76	0.00765	2.79E-05	9.66E-09	2.92E-08	2.30E-08	1.99E-08	8.96E-09	3.22E-10	7.79E-09	5.47E-09	4.74E-09	1.41E-09	1.97E-08
488919.6, 3856600.76	0.00771	2.812E-05	9.73E-09	2.94E-08	2.32E-08	2.01E-08	9.03E-09	3.25E-10	7.85E-09	5.52E-09	4.77E-09	1.42E-09	1.99E-08
488819.6, 3856650.76	0.00781	2.848E-05	9.86E-09	2.98E-08	2.35E-08	2.03E-08	9.15E-09	3.29E-10	7.95E-09	5.59E-09	4.83E-09	1.44E-09	2.01E-08
488869.6, 3856650.76	0.00783	2.855E-05	9.88E-09	2.98E-08	2.36E-08	2.04E-08	9.17E-09	3.30E-10	7.97E-09	5.60E-09	4.85E-09	1.45E-09	2.02E-08
488819.6, 3856700.76	0.00804	2.932E-05	1.01E-08	3.06E-08	2.42E-08	2.09E-08	9.42E-09	3.39E-10	8.19E-09	5.75E-09	4.98E-09	1.49E-09	2.07E-08
488869.6, 3856700.76	0.00803	2.928E-05	1.01E-08	3.06E-08	2.42E-08	2.09E-08	9.41E-09	3.38E-10	8.18E-09	5.74E-09	4.97E-09	1.48E-09	2.07E-08
488819.6, 3856750.76	0.00825	3.008E-05	1.04E-08	3.14E-08	2.48E-08	2.15E-08	9.66E-09	3.48E-10	8.40E-09	5.90E-09	5.11E-09	1.52E-09	2.13E-08
488869.6, 3856750.76	0.00827	3.016E-05	1.04E-08	3.15E-08	2.49E-08	2.15E-08	9.69E-09	3.49E-10	8.42E-09	5.92E-09	5.12E-09	1.53E-09	2.13E-08
488819.6, 3857050.76	0.00988	3.603E-05	1.25E-08	3.77E-08	2.97E-08	2.57E-08	1.16E-08	4.16E-10	1.01E-08	7.07E-09	6.12E-09	1.83E-09	2.55E-08
488869.6, 3857050.76	0.00997	3.636E-05	1.26E-08	3.80E-08	3.00E-08	2.60E-08	1.17E-08	4.20E-10	1.02E-08	7.13E-09	6.17E-09	1.84E-09	2.57E-08
488919.6, 3857050.76	0.01	3.647E-05	1.26E-08	3.81E-08	3.01E-08	2.61E-08	1.17E-08	4.22E-10	1.02E-08	7.15E-09	6.19E-09	1.85E-09	2.58E-08
488819.6, 3857100.76	0.01009	3.679E-05	1.27E-08	3.85E-08	3.04E-08	2.63E-08	1.18E-08	4.25E-10	1.03E-08	7.22E-09	6.25E-09	1.86E-09	2.60E-08
488869.6, 3857100.76	0.01017	3.709E-05	1.28E-08	3.88E-08	3.06E-08	2.65E-08	1.19E-08	4.29E-10	1.04E-08	7.28E-09	6.29E-09	1.88E-09	2.62E-08
488919.6, 3857100.76	0.01027	3.745E-05	1.30E-08	3.91E-08	3.09E-08	2.68E-08	1.20E-08	4.33E-10	1.05E-08	7.35E-09	6.36E-09	1.90E-09	2.65E-08
488819.6, 3857150.76	0.01027	3.745E-05	1.30E-08	3.91E-08	3.09E-08	2.68E-08	1.20E-08	4.33E-10	1.05E-08	7.35E-09	6.36E-09	1.90E-09	2.65E-08
488869.6, 3857150.76	0.0104	3.793E-05	1.31E-08	3.96E-08	3.13E-08	2.71E-08	1.22E-08	4.38E-10	1.06E-08	7.44E-09	6.44E-09	1.92E-09	2.68E-08
488919.6, 3857150.76	0.01049	3.825E-05	1.32E-08	4.00E-08	3.16E-08	2.73E-08	1.23E-08	4.42E-10	1.07E-08	7.50E-09	6.49E-09	1.94E-09	2.71E-08
488969.6, 3857150.76	0.01056	3.851E-05	1.33E-08	4.02E-08	3.18E-08	2.75E-08	1.24E-08	4.45E-10	1.08E-08	7.55E-09	6.54E-09	1.95E-09	2.72E-08
488819.6, 3857200.76	0.01043	3.803E-05	1.32E-08	3.98E-08	3.14E-08	2.72E-08	1.22E-08	4.40E-10	1.06E-08	7.46E-09	6.46E-09	1.93E-09	2.69E-08
488869.6, 3857200.76	0.01059	3.862E-05	1.34E-08	4.04E-08	3.19E-08	2.76E-08	1.24E-08	4.46E-10	1.08E-08	7.58E-09	6.55E-09	1.96E-09	2.73E-08
488919.6, 3857200.76	0.01072	3.909E-05	1.35E-08	4.09E-08	3.23E-08	2.79E-08	1.26E-08	4.52E-10	1.09E-08	7.67E-09	6.64E-09	1.98E-09	2.77E-08
488969.6, 3857200.76	0.01079	3.935E-05	1.36E-08	4.11E-08	3.25E-08	2.81E-08	1.26E-08	4.55E-10	1.10E-08	7.72E-09	6.68E-09	1.99E-09	2.78E-08
488819.6, 3857250.76	0.01054	3.844E-05	1.33E-08	4.02E-08	3.17E-08	2.75E-08	1.23E-08	4.44E-10	1.07E-08	7.54E-09	6.52E-09	1.95E-09	2.72E-08
488869.6, 3857250.76	0.01071	3.906E-05	1.35E-08	4.08E-08	3.22E-08	2.79E-08	1.25E-08	4.51E-10	1.09E-08	7.66E-09	6.63E-09	1.98E-09	2.76E-08
488919.6, 3857250.76	0.01086	3.96E-05	1.37E-08	4.14E-08	3.27E-08	2.83E-08	1.27E-08	4.58E-10	1.11E-08	7.77E-09	6.72E-09	2.01E-09	2.80E-08
488969.6, 3857250.76	0.01099	4.008E-05	1.39E-08	4.19E-08	3.31E-08	2.86E-08	1.29E-08	4.63E-10	1.12E-08	7.86E-09	6.80E-09	2.03E-09	2.83E-08
488819.6, 3857300.76	0.01067	3.891E-05	1.35E-08	4.07E-08	3.21E-08	2.78E-08	1.25E-08	4.50E-10	1.09E-08	7.63E-09	6.60E-09	1.97E-09	2.75E-08
488869.6, 3857300.76	0.01085	3.957E-05	1.37E-08	4.14E-08	3.27E-08	2.83E-08	1.27E-08	4.57E-10	1.10E-08	7.76E-09	6.72E-09	2.00E-09	2.80E-08
488919.6, 3857300.76	0.01104	4.026E-05	1.39E-08	4.21E-08	3.32E-08	2.88E-08	1.29E-08	4.65E-10	1.12E-08	7.90E-09	6.83E-09	2.04E-09	2.85E-08
488819.6, 3857450.76	0.01106	4.033E-05	1.40E-08	4.22E-08	3.33E-08	2.88E-08	1.30E-08	4.66E-10	1.13E-08	7.91E-09	6.85E-09	2.04E-09	2.85E-08
488869.6, 3857450.76	0.0112	4.084E-05	1.41E-08	4.27E-08	3.37E-08	2.92E-08	1.31E-08	4.72E-10	1.14E-08	8.01E-09	6.93E-09	2.07E-09	2.89E-08
488919.6, 3857450.76	0.01145	4.175E-05	1.45E-08	4.36E-08	3.45E-08	2.98E-08	1.34E-08	4.83E-10	1.17E-08	8.19E-09	7.09E-09	2.12E-09	2.95E-08
488819.6, 3857500.76	0.01118	4.077E-05	1.41E-08	4.26E-08	3.37E-08	2.91E-08	1.31E-08	4.71E-10	1.14E-08	8.00E-09	6.92E-09	2.07E-09	2.88E-08
488869.6, 3857500.76	0.01138	4.15E-05	1.44E-08	4.34E-08	3.43E-08	2.96E-08	1.33E-08	4.80E-10	1.16E-08	8.14E-09	7.04E-09	2.10E-09	2.94E-08
488919.6, 3857500.76	0.0116	4.23E-05	1.46E-08	4.42E-08	3.49E-08	3.02E-08	1.36E-08	4.89E-10	1.18E-08	8.30E-09	7.18E-09	2.14E-09	2.99E-08
488819.6, 3857550.76	0.01137	4.146E-05	1.44E-08	4.33E-08	3.42E-08	2.96E-08	1.33E-08	4.79E-10	1.16E-08	8.13E-09	7.04E-09	2.10E-09	2.93E-08
488869.6, 3857550.76	0.01154	4.208E-05	1.46E-08	4.40E-08	3.47E-08	3.01E-08	1.35E-08	4.86E-10	1.18E-08	8.26E-09	7.14E-09	2.13E-09	2.98E-08
488919.6, 3857550.76	0.01178	4.296E-05	1.49E-08	4.49E-08	3.55E-08	3.07E-08	1.38E-08	4.97E-10	1.20E-08	8.43E-09	7.29E-09	2.18E-09	3.04E-08
489663.71, 3860900.05	0.0327	0.0001192	4.13E-08	1.25E-07	9.85E-08	8.52E-08	3.83E-08	1.38E-09	3.33E-08	2.34E-08	2.02E-08	6.04E-09	8.43E-08
489813.71, 3860900.05	0.03414	0.0001245	4.31E-08	1.30E-07	1.03E-07	8.89E-08	4.00E-08	1.44E-09	3.48E-08	2.44E-08	2.11E-08	6.31E-09	8.81E-08
489863.71, 3860900.05	0.03494	0.0001274	4.41E-08	1.33E-07	1.05E-07	9.10E-08	4.09E-08	1.47E-09	3.56E-08	2.50E-08	2.16E-08	6.46E-09	9.01E-08
489913.71, 3860900.05	0.03512	0.0001281	4.43E-08	1.34E-07	1.06E-07	9.15E-08	4.11E-08	1.48E-09	3.58E-08	2.51E-08	2.17E-08	6.49E-09	9.06E-08
489963.71, 3860900.05	0.03592	0.000131	4.53E-08	1.37E-07	1.08E-07	9.36E-08	4.21E-08	1.51E-09	3.66E-08	2.57E-08	2.22E-08	6.64E-09	9.27E-08
490013.71, 3860900.05	0.03604	0.0001314	4.55E-08	1.37E-07	1.09E-07	9.39E-08	4.22E-08	1.52E-09	3.67E-08	2.58E-08	2.23E-08	6.66E-09	9.30E-08
490063.71, 3860900.05	0.03649	0.0001331	4.61E-08	1.39E-07	1.10E-07	9.51E-08	4.27E-08	1.54E-09	3.72E-08	2.61E-08	2.26E-08	6.74E-09	9.41E-08
489663.71, 3860950.05	0.03276	0.0001195	4.14E-08	1.25E-07	9.86E-08	8.53E-08	3.84E-08	1.38E-09	3.34E-08	2.34E-08	2.03E-08	6.05E-09	8.45E-08
489813.71, 3860950.05	0.03419	0.0001247	4.32E-08	1.30E-07	1.03E-07	8.91E-08	4.01E-08	1.44E-09	3.48E-08	2.45E-08	2.12E-08	6.32E-09	8.82E-08
489863.71, 3860950.05	0.03505	0.0001278	4.42E-08	1.34E-07	1.06E-07	9.13E-08	4.11E-08	1.48E-09	3.57E-08	2.51E-08	2.17E-08	6.48E-09	9.04E-08
489913.71, 3860950.05	0.03538	0.000129	4.47E-08	1.35E-07	1.07E-07	9.22E-08	4.14E-08	1.49E-09	3.60E-08	2.53E-08	2.19E-08	6.54E-09	9.13E-08
489963.71, 3860950.05	0.03604	0.0001314	4.55E-08	1.37E-07	1.09E-07	9.39E-08	4.22E-08	1.52E-09	3.67E-08	2.58E-08	2.23E-08	6.66E-09	9.30E-08
490013.71, 3860950.05	0.03646	0.000133	4.60E-08	1.39E-07	1.10E-07	9.50E-08	4.27E-08	1.54E-09	3.71E-08	2.61E-08	2.26E-08	6.74E-09	9.40E-08
490063.71, 3860950.05	0.03683	0.0001343	4.65E-08	1.40E-07	1.11E-07	9.59E-08	4.31E-08	1.55E-09	3.75E-08	2.63E-08	2.28E-08	6.81E-09	9.50E-08
489513.71, 3861000.05	0.0313	0.0001141	3.95E-08	1.19E-07	9.42E-08	8.15E-08	3.67E-08	1.32E-09	3.19E-08	2.24E-08	1.94E-08	5.78E-09	8.07E-08
489563.71, 3861000.05	0.03192	0.0001164	4.03E-08	1.22E-07	9.61E-08	8.32E-08	3.74E-08	1.35E-09	3.25E-08	2.28E-08	1.98E-08	5.90E-09	8.23E-08
489613.71, 3861000.05	0.03234	0.0001179	4.08E-08	1.23E-07	9.74E-08	8.42E-08	3.79E-08	1.36E-09	3.29E-08	2.31E-08	2.00E-08	5.98E-09	8.34E-08
489663.71, 3861000.05	0.03288	0.0001199	4.15E-08	1.25E-07	9.90E-08	8.57E-08	3.85E-08	1.39E-09	3.35E-08	2.35E-08	2.04E-08	6.08E-09	8.48E-08
489713.71, 3861000.05	0.03357	0.0001224	4.24E-08	1.28E-07	1.01E-07	8.75E-08	3.93E-08	1.42E-09	3.42E-08	2.40E-08	2.08E-08	6.20E-09	8.66E-08
489763.71, 3861000.05	0.03414	0.0001245	4.31E-08	1.30E-07	1.03E-07	8.89E-08	4.00E-08	1.44E-09	3.48E-08	2.44E-08	2.11E-08	6.31E-09	8.81E-08
489813.71, 3861000.05	0.03435	0.0001253	4.34E-08	1.31E-07	1.03E-07	8.95E-08	4.02E-08	1.45E-09	3.50E-08	2.46E-08	2.13E-08	6.35E-09	8.86E-08
489863.71, 3861000.05	0.03523	0.0001285	4.45E-08	1.34E-07	1.06E-07	9.18E-08	4.13E-08	1.49E-09	3.59E-08	2.52E-08	2.18E-08	6.51E-09	9.09E-08

489913.71, 3861000.05	0.03559	0.0001298	4.49E-08	1.36E-07	1.07E-07	9.27E-08	4.17E-08	1.50E-09	3.62E-08	2.55E-08	2.20E-08	6.58E-09	9.18E-08
489963.71, 3861000.05	0.03641	0.0001328	4.60E-08	1.39E-07	1.10E-07	9.49E-08	4.27E-08	1.53E-09	3.71E-08	2.60E-08	2.25E-08	6.73E-09	9.39E-08
490013.71, 3861000.05	0.03688	0.0001345	4.66E-08	1.41E-07	1.11E-07	9.61E-08	4.32E-08	1.55E-09	3.76E-08	2.64E-08	2.28E-08	6.81E-09	9.51E-08
490063.71, 3861000.05	0.03739	0.0001363	4.72E-08	1.43E-07	1.13E-07	9.74E-08	4.38E-08	1.58E-09	3.81E-08	2.67E-08	2.31E-08	6.91E-09	9.64E-08
489513.71, 3861050.05	0.03141	0.0001145	3.97E-08	1.20E-07	9.46E-08	8.18E-08	3.68E-08	1.32E-09	3.20E-08	2.25E-08	1.94E-08	5.80E-09	8.10E-08
489563.71, 3861050.05	0.03208	0.000117	4.05E-08	1.22E-07	9.66E-08	8.36E-08	3.76E-08	1.35E-09	3.27E-08	2.29E-08	1.99E-08	5.93E-09	8.27E-08
489613.71, 3861050.05	0.03233	0.0001179	4.08E-08	1.23E-07	9.73E-08	8.42E-08	3.79E-08	1.36E-09	3.29E-08	2.31E-08	2.00E-08	5.97E-09	8.34E-08
489663.71, 3861050.05	0.03319	0.000121	4.19E-08	1.27E-07	9.99E-08	8.65E-08	3.89E-08	1.40E-09	3.38E-08	2.37E-08	2.05E-08	6.13E-09	8.56E-08
489713.71, 3861050.05	0.03396	0.0001238	4.29E-08	1.29E-07	1.02E-07	8.85E-08	3.98E-08	1.43E-09	3.46E-08	2.43E-08	2.10E-08	6.27E-09	8.76E-08
489763.71, 3861050.05	0.0345	0.0001258	4.36E-08	1.31E-07	1.04E-07	8.99E-08	4.04E-08	1.45E-09	3.51E-08	2.47E-08	2.14E-08	6.37E-09	8.90E-08
489813.71, 3861050.05	0.03494	0.0001274	4.41E-08	1.33E-07	1.05E-07	9.10E-08	4.09E-08	1.47E-09	3.56E-08	2.50E-08	2.16E-08	6.46E-09	9.01E-08
489863.71, 3861050.05	0.03564	0.00013	4.50E-08	1.36E-07	1.07E-07	9.28E-08	4.17E-08	1.50E-09	3.63E-08	2.55E-08	2.21E-08	6.59E-09	9.19E-08
489913.71, 3861050.05	0.03625	0.0001322	4.58E-08	1.38E-07	1.09E-07	9.44E-08	4.25E-08	1.53E-09	3.69E-08	2.59E-08	2.24E-08	6.70E-09	9.35E-08
489963.71, 3861050.05	0.03693	0.0001347	4.66E-08	1.41E-07	1.11E-07	9.62E-08	4.33E-08	1.56E-09	3.76E-08	2.64E-08	2.29E-08	6.82E-09	9.53E-08
490013.71, 3861050.05	0.03726	0.0001359	4.70E-08	1.42E-07	1.12E-07	9.71E-08	4.36E-08	1.57E-09	3.79E-08	2.67E-08	2.31E-08	6.88E-09	9.61E-08
490063.71, 3861050.05	0.03791	0.0001382	4.79E-08	1.44E-07	1.14E-07	9.88E-08	4.44E-08	1.60E-09	3.86E-08	2.71E-08	2.35E-08	7.00E-09	9.78E-08
489513.71, 3861100.05	0.03129	0.0001141	3.95E-08	1.19E-07	9.42E-08	8.15E-08	3.67E-08	1.32E-09	3.19E-08	2.24E-08	1.94E-08	5.78E-09	8.07E-08
489563.71, 3861100.05	0.03238	0.0001181	4.09E-08	1.23E-07	9.75E-08	8.44E-08	3.79E-08	1.36E-09	3.30E-08	2.32E-08	2.00E-08	5.98E-09	8.35E-08
489613.71, 3861100.05	0.03348	0.0001221	4.23E-08	1.28E-07	1.01E-07	8.72E-08	3.92E-08	1.41E-09	3.41E-08	2.40E-08	2.07E-08	6.19E-09	8.64E-08
489663.71, 3861100.05	0.03404	0.0001241	4.30E-08	1.30E-07	1.02E-07	8.87E-08	3.99E-08	1.43E-09	3.47E-08	2.44E-08	2.11E-08	6.29E-09	8.78E-08
489713.71, 3861100.05	0.03461	0.0001262	4.37E-08	1.32E-07	1.04E-07	9.02E-08	4.05E-08	1.46E-09	3.52E-08	2.48E-08	2.14E-08	6.39E-09	8.93E-08
489763.71, 3861100.05	0.0352	0.0001284	4.44E-08	1.34E-07	1.06E-07	9.17E-08	4.12E-08	1.48E-09	3.58E-08	2.52E-08	2.18E-08	6.50E-09	9.08E-08
489813.71, 3861100.05	0.03567	0.0001301	4.50E-08	1.36E-07	1.07E-07	9.29E-08	4.18E-08	1.50E-09	3.63E-08	2.55E-08	2.21E-08	6.59E-09	9.20E-08
489863.71, 3861100.05	0.03599	0.0001312	4.54E-08	1.37E-07	1.08E-07	9.38E-08	4.22E-08	1.52E-09	3.66E-08	2.57E-08	2.23E-08	6.65E-09	9.28E-08
489913.71, 3861100.05	0.03689	0.0001345	4.66E-08	1.41E-07	1.11E-07	9.61E-08	4.32E-08	1.56E-09	3.76E-08	2.64E-08	2.28E-08	6.82E-09	9.52E-08
489963.71, 3861100.05	0.03753	0.0001369	4.74E-08	1.43E-07	1.13E-07	9.78E-08	4.40E-08	1.58E-09	3.82E-08	2.68E-08	2.32E-08	6.93E-09	9.68E-08
490013.71, 3861100.05	0.03836	0.0001399	4.84E-08	1.46E-07	1.15E-07	9.99E-08	4.49E-08	1.62E-09	3.91E-08	2.74E-08	2.37E-08	7.09E-09	9.89E-08
490063.71, 3861100.05	0.03898	0.0001421	4.92E-08	1.49E-07	1.17E-07	1.02E-07	4.57E-08	1.64E-09	3.97E-08	2.79E-08	2.41E-08	7.20E-09	1.01E-07
489713.71, 3861150.05	0.03519	0.0001283	4.44E-08	1.34E-07	1.06E-07	9.17E-08	4.12E-08	1.48E-09	3.58E-08	2.52E-08	2.18E-08	6.50E-09	9.08E-08
489763.71, 3861150.05	0.03573	0.0001303	4.51E-08	1.36E-07	1.08E-07	9.31E-08	4.19E-08	1.51E-09	3.64E-08	2.56E-08	2.21E-08	6.60E-09	9.22E-08
489813.71, 3861150.05	0.03623	0.0001321	4.57E-08	1.38E-07	1.09E-07	9.44E-08	4.24E-08	1.53E-09	3.69E-08	2.59E-08	2.24E-08	6.69E-09	9.35E-08
489863.71, 3861150.05	0.03686	0.0001344	4.65E-08	1.40E-07	1.11E-07	9.60E-08	4.32E-08	1.55E-09	3.75E-08	2.64E-08	2.28E-08	6.81E-09	9.51E-08
489913.71, 3861150.05	0.03759	0.0001371	4.75E-08	1.43E-07	1.13E-07	9.79E-08	4.40E-08	1.58E-09	3.83E-08	2.69E-08	2.33E-08	6.95E-09	9.70E-08
489963.71, 3861150.05	0.03842	0.0001401	4.85E-08	1.46E-07	1.16E-07	1.00E-07	4.50E-08	1.62E-09	3.91E-08	2.75E-08	2.38E-08	7.10E-09	9.91E-08
490013.71, 3861150.05	0.03924	0.0001431	4.95E-08	1.50E-07	1.18E-07	1.02E-07	4.60E-08	1.65E-09	4.00E-08	2.81E-08	2.43E-08	7.25E-09	1.01E-07
490063.71, 3861150.05	0.03977	0.000145	5.02E-08	1.52E-07	1.20E-07	1.04E-07	4.66E-08	1.68E-09	4.05E-08	2.84E-08	2.46E-08	7.35E-09	1.03E-07
489613.71, 3861200.05	0.03466	0.0001264	4.38E-08	1.32E-07	1.04E-07	9.03E-08	4.06E-08	1.46E-09	3.53E-08	2.48E-08	2.15E-08	6.40E-09	8.94E-08
489663.71, 3861200.05	0.03519	0.0001283	4.44E-08	1.34E-07	1.06E-07	9.17E-08	4.12E-08	1.48E-09	3.58E-08	2.52E-08	2.18E-08	6.50E-09	9.08E-08
489713.71, 3861200.05	0.03571	0.0001302	4.51E-08	1.36E-07	1.08E-07	9.30E-08	4.18E-08	1.51E-09	3.64E-08	2.55E-08	2.21E-08	6.60E-09	9.21E-08
489763.71, 3861200.05	0.03627	0.0001323	4.58E-08	1.38E-07	1.09E-07	9.45E-08	4.25E-08	1.53E-09	3.69E-08	2.59E-08	2.25E-08	6.70E-09	9.36E-08
489813.71, 3861200.05	0.0368	0.0001342	4.65E-08	1.40E-07	1.11E-07	9.59E-08	4.31E-08	1.55E-09	3.75E-08	2.63E-08	2.28E-08	6.80E-09	9.49E-08
489863.71, 3861200.05	0.03725	0.0001358	4.70E-08	1.42E-07	1.12E-07	9.70E-08	4.36E-08	1.57E-09	3.79E-08	2.66E-08	2.31E-08	6.88E-09	9.61E-08
489913.71, 3861200.05	0.03804	0.0001387	4.80E-08	1.45E-07	1.15E-07	9.91E-08	4.46E-08	1.60E-09	3.87E-08	2.72E-08	2.35E-08	7.03E-09	9.81E-08
489963.71, 3861200.05	0.03895	0.000142	4.92E-08	1.48E-07	1.17E-07	1.01E-07	4.56E-08	1.64E-09	3.97E-08	2.79E-08	2.41E-08	7.20E-09	1.00E-07
490013.71, 3861200.05	0.03966	0.0001446	5.01E-08	1.51E-07	1.19E-07	1.03E-07	4.65E-08	1.67E-09	4.04E-08	2.84E-08	2.45E-08	7.33E-09	1.02E-07
490063.71, 3861200.05	0.04052	0.0001478	5.12E-08	1.54E-07	1.22E-07	1.06E-07	4.75E-08	1.71E-09	4.13E-08	2.90E-08	2.51E-08	7.49E-09	1.05E-07
489513.71, 3861250.05	0.03414	0.0001245	4.31E-08	1.30E-07	1.03E-07	8.89E-08	4.00E-08	1.44E-09	3.48E-08	2.44E-08	2.11E-08	6.31E-09	8.81E-08
489563.71, 3861250.05	0.03452	0.0001259	4.36E-08	1.32E-07	1.04E-07	8.99E-08	4.04E-08	1.46E-09	3.51E-08	2.47E-08	2.14E-08	6.38E-09	8.90E-08
489613.71, 3861250.05	0.035	0.0001276	4.42E-08	1.33E-07	1.05E-07	9.12E-08	4.10E-08	1.48E-09	3.56E-08	2.50E-08	2.17E-08	6.47E-09	9.03E-08
489663.71, 3861250.05	0.03564	0.00013	4.50E-08	1.36E-07	1.07E-07	9.28E-08	4.17E-08	1.50E-09	3.63E-08	2.55E-08	2.21E-08	6.59E-09	9.19E-08
489713.71, 3861250.05	0.0362	0.000132	4.57E-08	1.38E-07	1.09E-07	9.43E-08	4.24E-08	1.53E-09	3.69E-08	2.59E-08	2.24E-08	6.69E-09	9.34E-08
489763.71, 3861250.05	0.03676	0.0001341	4.64E-08	1.40E-07	1.11E-07	9.58E-08	4.31E-08	1.55E-09	3.74E-08	2.63E-08	2.28E-08	6.79E-09	9.48E-08
489813.71, 3861250.05	0.03736	0.0001362	4.72E-08	1.42E-07	1.12E-07	9.73E-08	4.38E-08	1.57E-09	3.80E-08	2.67E-08	2.31E-08	6.90E-09	9.64E-08
489863.71, 3861250.05	0.03798	0.0001385	4.79E-08	1.45E-07	1.14E-07	9.89E-08	4.45E-08	1.60E-09	3.87E-08	2.72E-08	2.35E-08	7.02E-09	9.80E-08
489913.71, 3861250.05	0.03855	0.0001406	4.87E-08	1.47E-07	1.16E-07	1.00E-07	4.52E-08	1.63E-09	3.93E-08	2.76E-08	2.39E-08	7.12E-09	9.94E-08
489963.71, 3861250.05	0.03929	0.0001433	4.96E-08	1.50E-07	1.18E-07	1.02E-07	4.60E-08	1.66E-09	4.00E-08	2.81E-08	2.43E-08	7.26E-09	1.01E-07
490013.71, 3861250.05	0.04012	0.0001463	5.06E-08	1.53E-07	1.21E-07	1.05E-07	4.70E-08	1.69E-09	4.09E-08	2.87E-08	2.48E-08	7.41E-09	1.03E-07
490063.71, 3861250.05	0.0412	0.0001502	5.20E-08	1.57E-07	1.24E-07	1.07E-07	4.83E-08	1.74E-09	4.20E-08	2.95E-08	2.55E-08	7.61E-09	1.06E-07
489528.13, 3861308.47	0.03496	0.0001275	4.41E-08	1.33E-07	1.05E-07	9.11E-08	4.10E-08	1.47E-09	3.56E-08	2.50E-08	2.16E-08	6.46E-09	9.02E-08
489578.13, 3861308.47	0.03544	0.0001292	4.47E-08	1.35E-07	1.07E-07	9.23E-08	4.15E-08	1.49E-09	3.61E-08	2.54E-08	2.19E-08	6.55E-09	9.14E-08
489628.13, 3861308.47	0.03598	0.0001312	4.54E-08	1.37E-07	1.08E-07	9.37E-08	4.21E-08	1.52E-09	3.66E-08	2.57E-08	2.23E-08	6.65E-09	9.28E-08
489678.13, 3861308.47	0.03647	0.000133	4.60E-08	1.39E-07	1.10E-07	9.50E-08	4.27E-08	1.54E-09	3.71E-08	2.61E-08	2.26E-08	6.74E-09	9.41E-08
489728.13, 3861308.47	0.03703	0.000135	4.67E-08	1.41E-07	1.11E-07	9.65E-08	4.34E-08	1.56E-09	3.77E-08	2.65E-08	2.29E-08	6.84E-09	9.55E-08
489778.13, 3861308.47	0.03771	0.0001375	4.76E-08	1.44E-07	1.14E-07	9.82E-08	4.42E-08	1.59E-09	3.84E-08	2.70E-08	2.33E-08	6.97E-09	9.73E-08
489678.13, 3861358.47	0.03722	0.0001357	4.70E-08	1.42E-07	1.12E-07	9.70E-08	4.36E-08	1.57E-09	3.79E-08	2.66E-08	2.30E-08	6.88E-09	9.60E-08
489728.13, 3861358.47	0.03782	0.0001379	4.77E-08	1.44E-07	1.14E-07	9.85E-08	4.43E-08	1.59E-09	3.85E-08	2.71E-08	2.34E-08	6.99E-09	9.76E-08
489528.13, 3861408.47	0.03644	0.0001329	4.60E-08	1.39E-07	1.10E-07	9.49E-08	4.27E-08	1.54E-09	3.71E-08	2.61E-08	2.26E-08	6.73E-09	9.40E-08
489578.13, 3861408.47	0.03695	0.0001347	4.66E-08	1.41E-07	1.11E-07	9.63E-08	4.33E-08	1.56E-09	3.76E-08	2.64E-08	2.29E-08	6.83E-09	9.53E-08
489628.13, 3861408.47	0.03721	0.0001357	4.70E-08	1.42E-07	1.12E-07	9.69E-08	4.36E-08	1.57E-09	3.79E-08	2.66E-08	2.30E-08	6.88E-09	9.60E-08
489678.13, 3861408.47	0.03792	0.0001383	4.79E-08	1.45E-07	1.14E-07	9.88E-08	4.44E-08	1.60E-09	3.86E-08	2.71E-08	2.35E-08	7.01E-09	9.78E-08
489728.13, 3861408.47	0.03865	0.0001409	4.88E-08	1.47E-07	1.16E-07	1.01E-07	4.53E-08	1.63E-09	3.94E-08	2.76E-08	2.39E-08	7.14E-09	9.97E-08
489528.13, 3861458.47	0.03702	0.000135	4.67E-08	1.41E-07	1.11E-07	9.64E-08	4.34E-08	1.56E-09	3.77E-08	2.65E-08	2.29E-08	6.84E-09	9.55E-08
489578.13, 3861458.47	0.03751	0.0001368	4.74E-08	1.43E-07	1.13E-07	9.77E-08	4.39E-08	1.58E-09	3.82E-08	2.68E-08	2.32E-08	6.93E-09	9.68E-08
489628.13, 3861458.47	0.03806	0.0001388	4.80E-08	1.45E-07	1.15E-07	9.92E-08	4.46E-08	1.60E-09	3.88E-08	2.72E-08	2.36E-08	7.03E-09	9.82E-08
489678.13, 3861458.47	0.03872	0.0001412	4.89E-08	1.48E-07	1.17E-07	1.01E-07	4.54E-08	1.63E-09	3.94E-08	2.77E-08	2.40E-08	7.15E-09	9.99E-08
489728.13, 3861458.47	0.03959	0.0001444	5.00E-08	1.51E-07	1.19E-07	1.03E-07	4.64E-08	1.67E-09	4.03E-08	2.83E-08	2.45E-08	7.32E-09	1.02E-07
489528.13, 3861508.47	0.03757	0.000137	4.74E-08	1.43E-07	1.13E-07	9.79E-08	4.40E-08	1.58E-09	3.83E-08	2.69E-08	2.33E-08	6.94E-09	9.69E-08
489578.13, 3861508.47	0.03816	0.0001392	4.82E-08	1.45E-07	1.15E-07	9.94E-08	4.47E-08	1.61E-09	3.89E-08	2.73E-08	2.36E-08	7.05E-09	9.84E-08
489628.13, 3861508.47	0.03879	0.0001415	4.90E-08	1.48E-07	1.17E-07	1.01E-07	4.54E-08	1.64E-09	3.95E-08	2.77E-08	2.40E-08	7.17E-09	1.00E-07
489678.13, 3861508.47	0.0395	0.000144	4.99E-08	1.51E-07	1.19E-07	1.03E-07	4.63E-08	1.67E-09	4.02E-08	2.83E-08	2.44E-08	7.30E-09	1.02E-07

489728.13, 3861508.47	0.04024	0.0001467	5.08E-08	1.53E-07	1.21E-07	1.05E-07	4.71E-08	1.70E-09	4.10E-08	2.88E-08	2.49E-08	7.44E-09	1.04E-07
489628.13, 3861558.47	0.03906	0.0001424	4.93E-08	1.49E-07	1.18E-07	1.02E-07	4.58E-08	1.65E-09	3.98E-08	2.79E-08	2.42E-08	7.22E-09	1.01E-07
489678.13, 3861558.47	0.03952	0.0001441	4.99E-08	1.51E-07	1.19E-07	1.03E-07	4.63E-08	1.67E-09	4.02E-08	2.83E-08	2.45E-08	7.30E-09	1.02E-07
489728.13, 3861558.47	0.04024	0.0001467	5.08E-08	1.53E-07	1.21E-07	1.05E-07	4.71E-08	1.70E-09	4.10E-08	2.88E-08	2.49E-08	7.44E-09	1.04E-07
489357.08, 3861015.81	0.02968	0.0001082	3.75E-08	1.13E-07	8.94E-08	7.73E-08	3.48E-08	1.25E-09	3.02E-08	2.12E-08	1.84E-08	5.48E-09	7.66E-08
489407.08, 3861015.81	0.03041	0.0001109	3.84E-08	1.16E-07	9.16E-08	7.92E-08	3.56E-08	1.28E-09	3.10E-08	2.18E-08	1.88E-08	5.62E-09	7.84E-08
489457.08, 3861015.81	0.03097	0.0001129	3.91E-08	1.18E-07	9.32E-08	8.07E-08	3.63E-08	1.31E-09	3.15E-08	2.22E-08	1.92E-08	5.72E-09	7.99E-08
489357.08, 3861065.81	0.0299	0.000109	3.77E-08	1.14E-07	9.00E-08	7.79E-08	3.50E-08	1.26E-09	3.04E-08	2.14E-08	1.85E-08	5.52E-09	7.71E-08
489407.08, 3861065.81	0.03067	0.0001118	3.87E-08	1.17E-07	9.23E-08	7.99E-08	3.59E-08	1.29E-09	3.12E-08	2.19E-08	1.90E-08	5.67E-09	7.91E-08
489457.08, 3861065.81	0.03123	0.0001139	3.94E-08	1.19E-07	9.40E-08	8.14E-08	3.66E-08	1.32E-09	3.18E-08	2.23E-08	1.93E-08	5.77E-09	8.06E-08
489357.08, 3861115.81	0.0303	0.0001105	3.82E-08	1.15E-07	9.12E-08	7.89E-08	3.55E-08	1.28E-09	3.09E-08	2.17E-08	1.88E-08	5.60E-09	7.82E-08
489407.08, 3861115.81	0.03078	0.0001122	3.89E-08	1.17E-07	9.27E-08	8.02E-08	3.61E-08	1.30E-09	3.13E-08	2.20E-08	1.91E-08	5.69E-09	7.94E-08
489457.08, 3861115.81	0.0313	0.0001141	3.95E-08	1.19E-07	9.42E-08	8.15E-08	3.67E-08	1.32E-09	3.19E-08	2.24E-08	1.94E-08	5.78E-09	8.07E-08
489407.08, 3861165.81	0.03094	0.0001128	3.91E-08	1.18E-07	9.32E-08	8.06E-08	3.62E-08	1.30E-09	3.15E-08	2.21E-08	1.92E-08	5.72E-09	7.98E-08
489457.08, 3861165.81	0.03168	0.0001155	4.00E-08	1.21E-07	9.54E-08	8.25E-08	3.71E-08	1.34E-09	3.23E-08	2.27E-08	1.96E-08	5.85E-09	8.17E-08
489407.08, 3861215.81	0.0321	0.0001171	4.05E-08	1.22E-07	9.66E-08	8.36E-08	3.76E-08	1.35E-09	3.27E-08	2.30E-08	1.99E-08	5.93E-09	8.28E-08
489457.08, 3861215.81	0.0327	0.0001192	4.13E-08	1.25E-07	9.85E-08	8.52E-08	3.83E-08	1.38E-09	3.33E-08	2.34E-08	2.02E-08	6.04E-09	8.43E-08
489407.08, 3861265.81	0.03323	0.0001212	4.19E-08	1.27E-07	1.00E-07	8.66E-08	3.89E-08	1.40E-09	3.38E-08	2.38E-08	2.06E-08	6.14E-09	8.57E-08
489457.08, 3861265.81	0.03367	0.0001228	4.25E-08	1.28E-07	1.01E-07	8.77E-08	3.94E-08	1.42E-09	3.43E-08	2.41E-08	2.08E-08	6.22E-09	8.69E-08
489309.86, 3861110.14	0.0299	0.000109	3.77E-08	1.14E-07	9.00E-08	7.79E-08	3.50E-08	1.26E-09	3.04E-08	2.14E-08	1.85E-08	5.52E-09	7.71E-08
489407.08, 3861315.81	0.03382	0.0001233	4.27E-08	1.29E-07	1.02E-07	8.81E-08	3.96E-08	1.43E-09	3.44E-08	2.42E-08	2.09E-08	6.25E-09	8.72E-08
489457.08, 3861315.81	0.03425	0.0001249	4.32E-08	1.31E-07	1.03E-07	8.92E-08	4.01E-08	1.44E-09	3.49E-08	2.45E-08	2.12E-08	6.33E-09	8.83E-08
488906.03, 3861006.75	0.02454	8.949E-05	3.10E-08	9.35E-08	7.39E-08	6.39E-08	2.87E-08	1.03E-09	2.50E-08	1.76E-08	1.52E-08	4.53E-09	6.33E-08
488956.03, 3861006.75	0.02461	8.974E-05	3.11E-08	9.38E-08	7.41E-08	6.41E-08	2.88E-08	1.04E-09	2.51E-08	1.76E-08	1.52E-08	4.55E-09	6.35E-08
488904.24, 3861051.87	0.02259	8.238E-05	2.85E-08	8.61E-08	6.80E-08	5.88E-08	2.65E-08	9.52E-10	2.30E-08	1.62E-08	1.40E-08	4.17E-09	5.83E-08
488954.24, 3861051.87	0.02401	8.756E-05	3.03E-08	9.15E-08	7.23E-08	6.25E-08	2.81E-08	1.01E-09	2.44E-08	1.72E-08	1.49E-08	4.44E-09	6.19E-08
489004.24, 3861051.87	0.02358	8.599E-05	2.98E-08	8.99E-08	7.10E-08	6.14E-08	2.76E-08	9.94E-10	2.40E-08	1.69E-08	1.46E-08	4.36E-09	6.08E-08
488804.24, 3861101.87	0.02333	8.508E-05	2.95E-08	8.89E-08	7.02E-08	6.08E-08	2.73E-08	9.83E-10	2.38E-08	1.67E-08	1.44E-08	4.31E-09	6.02E-08
488854.24, 3861101.87	0.02315	8.442E-05	2.92E-08	8.82E-08	6.97E-08	6.03E-08	2.71E-08	9.76E-10	2.36E-08	1.66E-08	1.43E-08	4.28E-09	5.97E-08
488904.24, 3861101.87	0.02531	9.23E-05	3.19E-08	9.65E-08	7.62E-08	6.59E-08	2.96E-08	1.07E-09	2.58E-08	1.81E-08	1.57E-08	4.68E-09	6.53E-08
488954.24, 3861101.87	0.02619	9.551E-05	3.31E-08	9.98E-08	7.89E-08	6.82E-08	3.07E-08	1.10E-09	2.67E-08	1.87E-08	1.62E-08	4.84E-09	6.76E-08
489004.24, 3861101.87	0.02653	9.675E-05	3.35E-08	1.01E-07	7.99E-08	6.91E-08	3.11E-08	1.12E-09	2.70E-08	1.90E-08	1.64E-08	4.90E-09	6.84E-08
488804.24, 3861151.87	0.02586	9.43E-05	3.26E-08	9.86E-08	7.79E-08	6.74E-08	3.03E-08	1.09E-09	2.63E-08	1.85E-08	1.60E-08	4.78E-09	6.67E-08
488854.24, 3861151.87	0.02648	9.656E-05	3.34E-08	1.01E-07	7.97E-08	6.90E-08	3.10E-08	1.12E-09	2.70E-08	1.89E-08	1.64E-08	4.89E-09	6.83E-08
489129.49, 3861187.55	0.02941	0.0001072	3.71E-08	1.12E-07	8.85E-08	7.66E-08	3.45E-08	1.24E-09	2.99E-08	2.10E-08	1.82E-08	5.43E-09	7.59E-08
489179.49, 3861187.55	0.02995	0.0001092	3.78E-08	1.14E-07	9.02E-08	7.80E-08	3.51E-08	1.26E-09	3.05E-08	2.14E-08	1.85E-08	5.53E-09	7.73E-08
488804.24, 3861201.87	0.02631	9.594E-05	3.32E-08	1.00E-07	7.92E-08	6.85E-08	3.08E-08	1.11E-09	2.68E-08	1.88E-08	1.63E-08	4.86E-09	6.79E-08
488854.24, 3861201.87	0.02717	9.908E-05	3.43E-08	1.04E-07	8.18E-08	7.08E-08	3.18E-08	1.15E-09	2.77E-08	1.94E-08	1.68E-08	5.02E-09	7.01E-08
489129.49, 3861237.55	0.02953	0.0001077	3.73E-08	1.13E-07	8.89E-08	7.69E-08	3.46E-08	1.24E-09	3.01E-08	2.11E-08	1.83E-08	5.46E-09	7.62E-08
489179.49, 3861237.55	0.03036	0.0001107	3.83E-08	1.16E-07	9.14E-08	7.91E-08	3.56E-08	1.28E-09	3.09E-08	2.17E-08	1.88E-08	5.61E-09	7.83E-08
488804.24, 3861251.87	0.02657	9.689E-05	3.35E-08	1.01E-07	8.00E-08	6.92E-08	3.11E-08	1.12E-09	2.71E-08	1.90E-08	1.64E-08	4.91E-09	6.85E-08
488854.24, 3861251.87	0.02763	0.0001008	3.49E-08	1.05E-07	8.32E-08	7.20E-08	3.24E-08	1.16E-09	2.81E-08	1.98E-08	1.71E-08	5.11E-09	7.13E-08
488804.24, 3861301.87	0.02726	9.941E-05	3.44E-08	1.04E-07	8.21E-08	7.10E-08	3.19E-08	1.15E-09	2.78E-08	1.95E-08	1.69E-08	5.04E-09	7.03E-08
488854.24, 3861301.87	0.02806	0.0001023	3.54E-08	1.07E-07	8.45E-08	7.31E-08	3.29E-08	1.18E-09	2.86E-08	2.01E-08	1.74E-08	5.18E-09	7.24E-08
490943.5, 3860181.97	0.04616	0.0001683	5.83E-08	1.76E-07	1.39E-07	1.20E-07	5.41E-08	1.95E-09	4.70E-08	3.30E-08	2.86E-08	8.53E-09	1.19E-07
490993.5, 3860181.97	0.04775	0.0001741	6.03E-08	1.82E-07	1.44E-07	1.24E-07	5.59E-08	2.01E-09	4.86E-08	3.42E-08	2.96E-08	8.82E-09	1.23E-07
491043.5, 3860181.97	0.04928	0.0001797	6.22E-08	1.88E-07	1.48E-07	1.28E-07	5.77E-08	2.08E-09	5.02E-08	3.53E-08	3.05E-08	9.11E-09	1.27E-07
491093.5, 3860181.97	0.05139	0.0001874	6.49E-08	1.96E-07	1.55E-07	1.34E-07	6.02E-08	2.17E-09	5.23E-08	3.68E-08	3.18E-08	9.50E-09	1.33E-07
490943.5, 3860231.97	0.04585	0.0001672	5.79E-08	1.75E-07	1.38E-07	1.19E-07	5.37E-08	1.93E-09	4.67E-08	3.28E-08	2.84E-08	8.47E-09	1.18E-07
490993.5, 3860231.97	0.04645	0.0001694	5.86E-08	1.77E-07	1.40E-07	1.21E-07	5.44E-08	1.96E-09	4.73E-08	3.32E-08	2.88E-08	8.58E-09	1.20E-07
491043.5, 3860231.97	0.04886	0.0001782	6.17E-08	1.86E-07	1.47E-07	1.27E-07	5.72E-08	2.06E-09	4.98E-08	3.50E-08	3.02E-08	9.03E-09	1.26E-07
491093.5, 3860231.97	0.05129	0.000187	6.47E-08	1.95E-07	1.54E-07	1.34E-07	6.01E-08	2.16E-09	5.22E-08	3.67E-08	3.17E-08	9.48E-09	1.32E-07
490943.5, 3860281.97	0.04558	0.0001662	5.75E-08	1.74E-07	1.37E-07	1.19E-07	5.34E-08	1.92E-09	4.64E-08	3.26E-08	2.82E-08	8.42E-09	1.18E-07
490993.5, 3860281.97	0.04637	0.0001691	5.85E-08	1.77E-07	1.40E-07	1.21E-07	5.43E-08	1.95E-09	4.72E-08	3.32E-08	2.87E-08	8.57E-09	1.20E-07
491043.5, 3860281.97	0.04836	0.0001764	6.10E-08	1.84E-07	1.46E-07	1.26E-07	5.67E-08	2.04E-09	4.92E-08	3.46E-08	2.99E-08	8.94E-09	1.25E-07
491093.5, 3860281.97	0.05059	0.0001845	6.39E-08	1.93E-07	1.52E-07	1.32E-07	5.93E-08	2.13E-09	5.15E-08	3.62E-08	3.13E-08	9.35E-09	1.30E-07
490943.5, 3860331.97	0.04589	0.0001673	5.79E-08	1.75E-07	1.38E-07	1.20E-07	5.38E-08	1.93E-09	4.67E-08	3.28E-08	2.84E-08	8.48E-09	1.18E-07
490993.5, 3860331.97	0.04753	0.0001733	6.00E-08	1.81E-07	1.43E-07	1.24E-07	5.57E-08	2.00E-09	4.84E-08	3.40E-08	2.94E-08	8.78E-09	1.23E-07
491043.5, 3860331.97	0.04925	0.0001796	6.22E-08	1.88E-07	1.48E-07	1.28E-07	5.77E-08	2.08E-09	5.01E-08	3.52E-08	3.05E-08	9.10E-09	1.27E-07
491093.5, 3860331.97	0.05107	0.0001862	6.45E-08	1.95E-07	1.54E-07	1.33E-07	5.98E-08	2.15E-09	5.20E-08	3.65E-08	3.16E-08	9.44E-09	1.32E-07
490086.72, 3859935.12	0.0275	0.0001003	3.47E-08	1.05E-07	8.28E-08	7.16E-08	3.22E-08	1.16E-09	2.80E-08	1.97E-08	1.70E-08	5.08E-09	7.09E-08
490136.72, 3859935.12	0.02848	0.0001039	3.60E-08	1.09E-07	8.57E-08	7.42E-08	3.34E-08	1.20E-09	2.90E-08	2.04E-08	1.76E-08	5.26E-09	7.35E-08
490186.72, 3859935.12	0.02945	0.0001074	3.72E-08	1.12E-07	8.87E-08	7.67E-08	3.45E-08	1.24E-09	3.00E-08	2.11E-08	1.82E-08	5.44E-09	7.60E-08
490236.72, 3859935.12	0.0304	0.0001109	3.84E-08	1.16E-07	9.15E-08	7.92E-08	3.56E-08	1.28E-09	3.10E-08	2.17E-08	1.88E-08	5.62E-09	7.84E-08
490286.72, 3859935.12	0.03154	0.000115	3.98E-08	1.20E-07	9.50E-08	8.22E-08	3.69E-08	1.33E-09	3.21E-08	2.26E-08	1.95E-08	5.83E-09	8.14E-08
490336.72, 3859935.12	0.03268	0.0001192	4.13E-08	1.25E-07	9.84E-08	8.51E-08	3.83E-08	1.38E-09	3.33E-08	2.34E-08	2.02E-08	6.04E-09	8.43E-08
490386.72, 3859935.12	0.03359	0.0001225	4.24E-08	1.28E-07	1.01E-07	8.75E-08	3.93E-08	1.42E-09	3.42E-08	2.40E-08	2.08E-08	6.21E-09	8.66E-08
490436.72, 3859935.12	0.03459	0.0001261	4.37E-08	1.32E-07	1.04E-07	9.01E-08	4.05E-08	1.46E-09	3.52E-08	2.47E-08	2.14E-08	6.39E-09	8.92E-08
490486.72, 3859935.12	0.0354	0.0001291	4.47E-08	1.35E-07	1.07E-07	9.22E-08	4.15E-08	1.49E-09	3.60E-08	2.53E-08	2.19E-08	6.54E-09	9.13E-08
490536.72, 3859935.12	0.03517	0.0001283	4.44E-08	1.34E-07	1.06E-07	9.16E-08	4.12E-08	1.48E-09	3.58E-08	2.52E-08	2.18E-08	6.50E-09	9.07E-08
490586.72, 3859935.12	0.03457	0.0001261	4.36E-08	1.32E-07	1.04E-07	9.01E-08	4.05E-08	1.46E-09	3.52E-08	2.47E-08	2.14E-08	6.39E-09	8.92E-08
490636.72, 3859935.12	0.03476	0.0001268	4.39E-08	1.32E-07	1.05E-07	9.06E-08	4.07E-08	1.47E-09	3.54E-08	2.49E-08	2.15E-08	6.42E-09	8.97E-08
490686.72, 3859935.12	0.03347	0.0001221	4.23E-08	1.28E-07	1.01E-07	8.72E-08	3.92E-08	1.41E-09	3.41E-08	2.39E-08	2.07E-08	6.18E-09	8.63E-08
490736.72, 3859935.12	0.03298	0.0001203	4.16E-08	1.26E-07	9.93E-08	8.59E-08	3.86E-08	1.39E-09	3.36E-08	2.36E-08	2.04E-08	6.09E-09	8.51E-08
490086.72, 3859985.12	0.02691	9.813E-05	3.40E-08	1.03E-07	8.10E-08	7.01E-08	3.15E-08	1.13E-09	2.74E-08	1.93E-08	1.67E-08	4.97E-09	6.94E-08
490136.72, 3859985.12	0.02791	0.0001018	3.52E-08	1.06E-07	8.40E-08	7.27E-08	3.27E-08	1.18E-09	2.84E-08	2.00E-08	1.73E-08	5.16E-09	7.20E-08
490186.72, 3859985.12	0.02868	0.0001046	3.62E-08	1.09E-07	8.63E-08	7.47E-08	3.36E-08	1.21E-09	2.92E-08	2.05E-08	1.78E-08	5.30E-09	7.40E-08
490236.72, 3859985.12	0.02933	0.000107	3.70E-08	1.12E-07	8.83E-08	7.64E-08	3.44E-08	1.24E-09	2.99E-08	2.10E-08	1.82E-08	5.42E-09	7.57E-08
490286.72, 3859985.12	0.03045	0.000111	3.84E-08	1.16E-07	9.17E-08	7.93E-08	3.57E-08	1.28E-09	3.10E-08	2.18E-08	1.88E-08	5.63E-09	7.85E-08
490336.72, 3859985.12	0.03164	0.0001154	3.99E-08	1.21E-07	9.53E-08	8.24E-08	3.71E-08	1.33E-09	3.22E-08	2.26E-08	1.96E-08	5.85E-09	8.16E-08

490386.72, 3859985.12	0.03319	0.000121	4.19E-08	1.27E-07	9.99E-08	8.65E-08	3.89E-08	1.40E-09	3.38E-08	2.37E-08	2.05E-08	6.13E-09	8.56E-08
490436.72, 3859985.12	0.03442	0.0001255	4.34E-08	1.31E-07	1.04E-07	8.97E-08	4.03E-08	1.45E-09	3.50E-08	2.46E-08	2.13E-08	6.36E-09	8.88E-08
490486.72, 3859985.12	0.03541	0.0001291	4.47E-08	1.35E-07	1.07E-07	9.22E-08	4.15E-08	1.49E-09	3.61E-08	2.53E-08	2.19E-08	6.54E-09	9.13E-08
490536.72, 3859985.12	0.03588	0.0001308	4.53E-08	1.37E-07	1.08E-07	9.35E-08	4.20E-08	1.51E-09	3.65E-08	2.57E-08	2.22E-08	6.63E-09	9.26E-08
490586.72, 3859985.12	0.03593	0.000131	4.54E-08	1.37E-07	1.08E-07	9.36E-08	4.21E-08	1.51E-09	3.66E-08	2.57E-08	2.22E-08	6.64E-09	9.27E-08
490636.72, 3859985.12	0.03558	0.0001297	4.49E-08	1.36E-07	1.07E-07	9.27E-08	4.17E-08	1.50E-09	3.62E-08	2.55E-08	2.20E-08	6.57E-09	9.18E-08
490686.72, 3859985.12	0.03392	0.0001237	4.28E-08	1.29E-07	1.02E-07	8.84E-08	3.97E-08	1.43E-09	3.45E-08	2.43E-08	2.10E-08	6.27E-09	8.75E-08
490736.72, 3859985.12	0.03471	0.0001266	4.38E-08	1.32E-07	1.05E-07	9.04E-08	4.07E-08	1.46E-09	3.53E-08	2.48E-08	2.15E-08	6.41E-09	8.95E-08
490786.72, 3859985.12	0.03516	0.0001282	4.44E-08	1.34E-07	1.06E-07	9.16E-08	4.12E-08	1.48E-09	3.58E-08	2.52E-08	2.18E-08	6.50E-09	9.07E-08
490086.72, 3860035.12	0.02677	9.762E-05	3.38E-08	1.02E-07	8.06E-08	6.97E-08	3.14E-08	1.13E-09	2.73E-08	1.92E-08	1.66E-08	4.95E-09	6.91E-08
490136.72, 3860035.12	0.02756	0.0001005	3.48E-08	1.05E-07	8.30E-08	7.18E-08	3.23E-08	1.16E-09	2.81E-08	1.97E-08	1.71E-08	5.09E-09	7.11E-08
490186.72, 3860035.12	0.02833	0.0001033	3.58E-08	1.08E-07	8.53E-08	7.38E-08	3.32E-08	1.19E-09	2.88E-08	2.03E-08	1.75E-08	5.23E-09	7.31E-08
490236.72, 3860035.12	0.02913	0.0001062	3.68E-08	1.11E-07	8.77E-08	7.59E-08	3.41E-08	1.23E-09	2.97E-08	2.08E-08	1.80E-08	5.38E-09	7.51E-08
490286.72, 3860035.12	0.03018	0.0001101	3.81E-08	1.15E-07	9.09E-08	7.86E-08	3.54E-08	1.27E-09	3.07E-08	2.16E-08	1.87E-08	5.58E-09	7.78E-08
490336.72, 3860035.12	0.03091	0.0001127	3.90E-08	1.18E-07	9.31E-08	8.05E-08	3.62E-08	1.30E-09	3.15E-08	2.21E-08	1.91E-08	5.71E-09	7.97E-08
490386.72, 3860035.12	0.03245	0.0001183	4.10E-08	1.24E-07	9.77E-08	8.45E-08	3.80E-08	1.37E-09	3.30E-08	2.32E-08	2.01E-08	6.00E-09	8.37E-08
490436.72, 3860035.12	0.03381	0.0001233	4.27E-08	1.29E-07	1.02E-07	8.81E-08	3.96E-08	1.43E-09	3.44E-08	2.42E-08	2.09E-08	6.25E-09	8.72E-08
490486.72, 3860035.12	0.03502	0.0001277	4.42E-08	1.33E-07	1.05E-07	9.12E-08	4.10E-08	1.48E-09	3.57E-08	2.51E-08	2.17E-08	6.47E-09	9.03E-08
490536.72, 3860035.12	0.03578	0.0001305	4.52E-08	1.36E-07	1.08E-07	9.32E-08	4.19E-08	1.51E-09	3.64E-08	2.56E-08	2.21E-08	6.61E-09	9.23E-08
490586.72, 3860035.12	0.03655	0.0001333	4.61E-08	1.39E-07	1.10E-07	9.52E-08	4.28E-08	1.54E-09	3.72E-08	2.61E-08	2.26E-08	6.75E-09	9.43E-08
490636.72, 3860035.12	0.03771	0.0001375	4.76E-08	1.44E-07	1.14E-07	9.82E-08	4.42E-08	1.59E-09	3.84E-08	2.70E-08	2.33E-08	6.97E-09	9.73E-08
490686.72, 3860035.12	0.03769	0.0001374	4.76E-08	1.44E-07	1.13E-07	9.82E-08	4.42E-08	1.59E-09	3.84E-08	2.70E-08	2.33E-08	6.96E-09	9.72E-08
490736.72, 3860035.12	0.0363	0.0001324	4.58E-08	1.38E-07	1.09E-07	9.46E-08	4.25E-08	1.53E-09	3.70E-08	2.60E-08	2.25E-08	6.71E-09	9.36E-08
490786.72, 3860035.12	0.03689	0.0001345	4.66E-08	1.41E-07	1.11E-07	9.61E-08	4.32E-08	1.56E-09	3.76E-08	2.64E-08	2.28E-08	6.82E-09	9.52E-08
490836.72, 3860035.12	0.03768	0.0001374	4.76E-08	1.44E-07	1.13E-07	9.82E-08	4.41E-08	1.59E-09	3.84E-08	2.70E-08	2.33E-08	6.96E-09	9.72E-08
490086.72, 3860085.12	0.02616	9.54E-05	3.30E-08	9.97E-08	7.88E-08	6.81E-08	3.06E-08	1.10E-09	2.66E-08	1.87E-08	1.62E-08	4.83E-09	6.75E-08
490136.72, 3860085.12	0.02774	0.0001012	3.50E-08	1.06E-07	8.35E-08	7.23E-08	3.25E-08	1.17E-09	2.82E-08	1.98E-08	1.72E-08	5.13E-09	7.16E-08
490186.72, 3860085.12	0.02804	0.0001023	3.54E-08	1.07E-07	8.44E-08	7.30E-08	3.28E-08	1.18E-09	2.86E-08	2.01E-08	1.74E-08	5.18E-09	7.23E-08
490236.72, 3860085.12	0.02883	0.0001051	3.64E-08	1.10E-07	8.68E-08	7.51E-08	3.38E-08	1.22E-09	2.94E-08	2.06E-08	1.78E-08	5.33E-09	7.44E-08
490286.72, 3860085.12	0.0297	0.0001083	3.75E-08	1.13E-07	8.94E-08	7.74E-08	3.48E-08	1.25E-09	3.02E-08	2.12E-08	1.84E-08	5.49E-09	7.66E-08
490336.72, 3860085.12	0.03083	0.0001124	3.89E-08	1.18E-07	9.28E-08	8.03E-08	3.61E-08	1.30E-09	3.14E-08	2.21E-08	1.91E-08	5.70E-09	7.95E-08
490386.72, 3860085.12	0.03199	0.0001167	4.04E-08	1.22E-07	9.63E-08	8.33E-08	3.75E-08	1.35E-09	3.26E-08	2.29E-08	1.98E-08	5.91E-09	8.25E-08
490436.72, 3860085.12	0.03324	0.0001212	4.20E-08	1.27E-07	1.00E-07	8.66E-08	3.89E-08	1.40E-09	3.38E-08	2.38E-08	2.06E-08	6.14E-09	8.57E-08
490486.72, 3860085.12	0.03466	0.0001264	4.38E-08	1.32E-07	1.04E-07	9.03E-08	4.06E-08	1.46E-09	3.53E-08	2.48E-08	2.15E-08	6.40E-09	8.94E-08
490536.72, 3860085.12	0.03561	0.0001299	4.50E-08	1.36E-07	1.07E-07	9.28E-08	4.17E-08	1.50E-09	3.63E-08	2.55E-08	2.20E-08	6.58E-09	9.19E-08
490586.72, 3860085.12	0.03653	0.0001332	4.61E-08	1.39E-07	1.10E-07	9.52E-08	4.28E-08	1.54E-09	3.72E-08	2.61E-08	2.26E-08	6.75E-09	9.42E-08
490636.72, 3860085.12	0.03775	0.0001377	4.77E-08	1.44E-07	1.14E-07	9.83E-08	4.42E-08	1.59E-09	3.84E-08	2.70E-08	2.34E-08	6.98E-09	9.74E-08
490686.72, 3860085.12	0.03834	0.0001398	4.84E-08	1.46E-07	1.15E-07	9.99E-08	4.49E-08	1.62E-09	3.90E-08	2.74E-08	2.37E-08	7.08E-09	9.89E-08
490736.72, 3860085.12	0.03845	0.0001402	4.85E-08	1.47E-07	1.16E-07	1.00E-07	4.50E-08	1.62E-09	3.92E-08	2.75E-08	2.38E-08	7.10E-09	9.92E-08
490786.72, 3860085.12	0.0385	0.0001404	4.86E-08	1.47E-07	1.16E-07	1.00E-07	4.51E-08	1.62E-09	3.92E-08	2.75E-08	2.38E-08	7.11E-09	9.93E-08
490836.72, 3860085.12	0.03951	0.0001441	4.99E-08	1.51E-07	1.19E-07	1.03E-07	4.63E-08	1.67E-09	4.02E-08	2.83E-08	2.45E-08	7.30E-09	1.02E-07
490086.72, 3860135.12	0.02831	0.0001032	3.57E-08	1.08E-07	8.52E-08	7.38E-08	3.32E-08	1.19E-09	2.88E-08	2.03E-08	1.75E-08	5.23E-09	7.30E-08
490136.72, 3860135.12	0.02855	0.0001041	3.60E-08	1.09E-07	8.60E-08	7.44E-08	3.34E-08	1.20E-09	2.91E-08	2.04E-08	1.77E-08	5.28E-09	7.36E-08
490186.72, 3860135.12	0.02878	0.000105	3.63E-08	1.10E-07	8.66E-08	7.50E-08	3.37E-08	1.21E-09	2.93E-08	2.06E-08	1.78E-08	5.32E-09	7.42E-08
490236.72, 3860135.12	0.0295	0.0001076	3.72E-08	1.12E-07	8.88E-08	7.69E-08	3.46E-08	1.24E-09	3.00E-08	2.11E-08	1.83E-08	5.45E-09	7.61E-08
490286.72, 3860135.12	0.03012	0.0001098	3.80E-08	1.15E-07	9.07E-08	7.85E-08	3.53E-08	1.27E-09	3.07E-08	2.15E-08	1.86E-08	5.57E-09	7.77E-08
490336.72, 3860135.12	0.03088	0.0001126	3.90E-08	1.18E-07	9.30E-08	8.04E-08	3.62E-08	1.30E-09	3.14E-08	2.21E-08	1.91E-08	5.71E-09	7.97E-08
490386.72, 3860135.12	0.03191	0.0001164	4.03E-08	1.22E-07	9.61E-08	8.31E-08	3.74E-08	1.35E-09	3.25E-08	2.28E-08	1.98E-08	5.90E-09	8.23E-08
490436.72, 3860135.12	0.03318	0.000121	4.19E-08	1.26E-07	9.99E-08	8.64E-08	3.89E-08	1.40E-09	3.38E-08	2.37E-08	2.05E-08	6.13E-09	8.56E-08
490486.72, 3860135.12	0.03433	0.0001252	4.33E-08	1.31E-07	1.03E-07	8.94E-08	4.02E-08	1.45E-09	3.50E-08	2.46E-08	2.12E-08	6.34E-09	8.86E-08
490536.72, 3860135.12	0.03518	0.0001283	4.44E-08	1.34E-07	1.06E-07	9.16E-08	4.12E-08	1.48E-09	3.58E-08	2.52E-08	2.18E-08	6.50E-09	9.07E-08
490586.72, 3860135.12	0.03628	0.0001323	4.58E-08	1.38E-07	1.09E-07	9.45E-08	4.25E-08	1.53E-09	3.69E-08	2.60E-08	2.25E-08	6.70E-09	9.36E-08
490636.72, 3860135.12	0.03746	0.0001366	4.73E-08	1.43E-07	1.13E-07	9.76E-08	4.39E-08	1.58E-09	3.81E-08	2.68E-08	2.32E-08	6.92E-09	9.66E-08
490686.72, 3860135.12	0.03871	0.0001412	4.89E-08	1.48E-07	1.17E-07	1.01E-07	4.53E-08	1.63E-09	3.94E-08	2.77E-08	2.40E-08	7.15E-09	9.99E-08
490736.72, 3860135.12	0.03961	0.0001444	5.00E-08	1.51E-07	1.19E-07	1.03E-07	4.64E-08	1.67E-09	4.03E-08	2.83E-08	2.45E-08	7.32E-09	1.02E-07
490786.72, 3860135.12	0.03987	0.0001454	5.03E-08	1.52E-07	1.20E-07	1.04E-07	4.67E-08	1.68E-09	4.06E-08	2.85E-08	2.47E-08	7.37E-09	1.03E-07
490836.72, 3860135.12	0.04109	0.0001498	5.19E-08	1.57E-07	1.24E-07	1.07E-07	4.81E-08	1.73E-09	4.18E-08	2.94E-08	2.54E-08	7.59E-09	1.06E-07
490086.72, 3860185.12	0.02963	0.0001081	3.74E-08	1.13E-07	8.92E-08	7.72E-08	3.47E-08	1.25E-09	3.02E-08	2.12E-08	1.83E-08	5.47E-09	7.64E-08
490136.72, 3860185.12	0.02956	0.0001078	3.73E-08	1.13E-07	8.90E-08	7.70E-08	3.46E-08	1.25E-09	3.01E-08	2.11E-08	1.83E-08	5.46E-09	7.62E-08
490186.72, 3860185.12	0.02975	0.0001085	3.76E-08	1.13E-07	8.96E-08	7.75E-08	3.49E-08	1.25E-09	3.03E-08	2.13E-08	1.84E-08	5.50E-09	7.67E-08
490236.72, 3860185.12	0.03035	0.0001107	3.83E-08	1.16E-07	9.14E-08	7.91E-08	3.56E-08	1.28E-09	3.09E-08	2.17E-08	1.88E-08	5.61E-09	7.83E-08
490286.72, 3860185.12	0.03099	0.000113	3.91E-08	1.18E-07	9.33E-08	8.07E-08	3.63E-08	1.31E-09	3.16E-08	2.22E-08	1.92E-08	5.73E-09	7.99E-08
490336.72, 3860185.12	0.03172	0.0001157	4.00E-08	1.21E-07	9.55E-08	8.26E-08	3.72E-08	1.34E-09	3.23E-08	2.27E-08	1.96E-08	5.86E-09	8.18E-08
490386.72, 3860185.12	0.03253	0.0001186	4.11E-08	1.24E-07	9.79E-08	8.47E-08	3.81E-08	1.37E-09	3.31E-08	2.33E-08	2.01E-08	6.01E-09	8.39E-08
490436.72, 3860185.12	0.03343	0.0001219	4.22E-08	1.27E-07	1.01E-07	8.71E-08	3.92E-08	1.41E-09	3.40E-08	2.39E-08	2.07E-08	6.18E-09	8.62E-08
490486.72, 3860185.12	0.03447	0.0001257	4.35E-08	1.31E-07	1.04E-07	8.98E-08	4.04E-08	1.45E-09	3.51E-08	2.47E-08	2.13E-08	6.37E-09	8.89E-08
490536.72, 3860185.12	0.03536	0.0001289	4.46E-08	1.35E-07	1.06E-07	9.21E-08	4.14E-08	1.49E-09	3.60E-08	2.53E-08	2.19E-08	6.53E-09	9.12E-08
490586.72, 3860185.12	0.03603	0.0001314	4.55E-08	1.37E-07	1.08E-07	9.39E-08	4.22E-08	1.52E-09	3.67E-08	2.58E-08	2.23E-08	6.66E-09	9.29E-08
490636.72, 3860185.12	0.03735	0.0001362	4.71E-08	1.42E-07	1.12E-07	9.73E-08	4.38E-08	1.57E-09	3.80E-08	2.67E-08	2.31E-08	6.90E-09	9.63E-08
490686.72, 3860185.12	0.03832	0.0001397	4.84E-08	1.46E-07	1.15E-07	9.98E-08	4.49E-08	1.62E-09	3.90E-08	2.74E-08	2.37E-08	7.08E-09	9.88E-08
490736.72, 3860185.12	0.03987	0.0001454	5.03E-08	1.52E-07	1.20E-07	1.04E-07	4.67E-08	1.68E-09	4.06E-08	2.85E-08	2.47E-08	7.37E-09	1.03E-07
490786.72, 3860185.12	0.04083	0.0001489	5.15E-08	1.56E-07	1.23E-07	1.06E-07	4.78E-08	1.72E-09	4.16E-08	2.92E-08	2.53E-08	7.54E-09	1.05E-07
490836.72, 3860185.12	0.04187	0.0001527	5.29E-08	1.60E-07	1.26E-07	1.09E-07	4.90E-08	1.76E-09	4.26E-08	3.00E-08	2.59E-08	7.74E-09	1.08E-07
490086.72, 3860235.12	0.03064	0.0001117	3.87E-08	1.17E-07	9.22E-08	7.98E-08	3.59E-08	1.29E-09	3.12E-08	2.19E-08	1.90E-08	5.66E-09	7.90E-08
490136.72, 3860235.12	0.0308	0.0001123	3.89E-08	1.17E-07	9.27E-08	8.02E-08	3.61E-08	1.30E-09	3.14E-08	2.20E-08	1.91E-08	5.69E-09	7.94E-08
490186.72, 3860235.12	0.03096	0.0001129	3.91E-08	1.18E-07	9.32E-08	8.07E-08	3.63E-08	1.31E-09	3.15E-08	2.21E-08	1.92E-08	5.72E-09	7.99E-08
490236.72, 3860235.12	0.03142	0.0001146	3.97E-08	1.20E-07	9.46E-08	8.19E-08	3.68E-08	1.32E-09	3.20E-08	2.25E-08	1.94E-08	5.81E-09	8.10E-08
490286.72, 3860235.12	0.03202	0.0001168	4.04E-08	1.22E-07	9.64E-08	8.34E-08	3.75E-08	1.35E-09	3.26E-08	2.29E-08	1.98E-08	5.92E-09	8.26E-08
490336.72, 3860235.12	0.03264	0.000119	4.12E-08	1.24E-07	9.83E-08	8.50E-08	3.82E-08	1.38E-09	3.32E-08	2.33E-08	2.02E-08	6.03E-09	8.42E-08
490386.72, 3860235.12	0.03335	0.0001216	4.21E-08	1.27E-07	1.00E-07	8.69E-08	3.91E-08	1.41E-09	3.40E-08	2.39E-08	2.06E-08	6.16E-09	8.60E-08

490436.72, 3860235.12	0.03405	0.0001242	4.30E-08	1.30E-07	1.03E-07	8.87E-08	3.99E-08	1.44E-09	3.47E-08	2.44E-08	2.11E-08	6.29E-09	8.78E-08
490486.72, 3860235.12	0.03499	0.0001276	4.42E-08	1.33E-07	1.05E-07	9.12E-08	4.10E-08	1.47E-09	3.56E-08	2.50E-08	2.17E-08	6.47E-09	9.03E-08
490536.72, 3860235.12	0.03578	0.0001305	4.52E-08	1.36E-07	1.08E-07	9.32E-08	4.19E-08	1.51E-09	3.64E-08	2.56E-08	2.21E-08	6.61E-09	9.23E-08
490586.72, 3860235.12	0.03654	0.0001332	4.61E-08	1.39E-07	1.10E-07	9.52E-08	4.28E-08	1.54E-09	3.72E-08	2.61E-08	2.26E-08	6.75E-09	9.43E-08
490636.72, 3860235.12	0.03744	0.0001365	4.73E-08	1.43E-07	1.13E-07	9.75E-08	4.39E-08	1.58E-09	3.81E-08	2.68E-08	2.32E-08	6.92E-09	9.66E-08
490686.72, 3860235.12	0.03838	0.00014	4.84E-08	1.46E-07	1.16E-07	1.00E-07	4.50E-08	1.62E-09	3.91E-08	2.75E-08	2.38E-08	7.09E-09	9.90E-08
490736.72, 3860235.12	0.03959	0.0001444	5.00E-08	1.51E-07	1.19E-07	1.03E-07	4.64E-08	1.67E-09	4.03E-08	2.83E-08	2.45E-08	7.32E-09	1.02E-07
490786.72, 3860235.12	0.04094	0.0001493	5.17E-08	1.56E-07	1.23E-07	1.07E-07	4.80E-08	1.73E-09	4.17E-08	2.93E-08	2.53E-08	7.56E-09	1.06E-07
490086.72, 3860285.12	0.03179	0.0001159	4.01E-08	1.21E-07	9.57E-08	8.28E-08	3.72E-08	1.34E-09	3.24E-08	2.27E-08	1.97E-08	5.87E-09	8.20E-08
490136.72, 3860285.12	0.03192	0.0001164	4.03E-08	1.22E-07	9.61E-08	8.32E-08	3.74E-08	1.35E-09	3.25E-08	2.28E-08	1.98E-08	5.90E-09	8.23E-08
490186.72, 3860285.12	0.03228	0.0001177	4.07E-08	1.23E-07	9.72E-08	8.41E-08	3.78E-08	1.36E-09	3.29E-08	2.31E-08	2.00E-08	5.96E-09	8.33E-08
490236.72, 3860285.12	0.03252	0.0001186	4.11E-08	1.24E-07	9.79E-08	8.47E-08	3.81E-08	1.37E-09	3.31E-08	2.33E-08	2.01E-08	6.01E-09	8.39E-08
490286.72, 3860285.12	0.03319	0.000121	4.19E-08	1.27E-07	9.99E-08	8.65E-08	3.89E-08	1.40E-09	3.38E-08	2.37E-08	2.05E-08	6.13E-09	8.56E-08
490336.72, 3860285.12	0.03385	0.0001234	4.27E-08	1.29E-07	1.02E-07	8.82E-08	3.97E-08	1.43E-09	3.45E-08	2.42E-08	2.10E-08	6.25E-09	8.73E-08
490386.72, 3860285.12	0.03436	0.0001253	4.34E-08	1.31E-07	1.03E-07	8.95E-08	4.03E-08	1.45E-09	3.50E-08	2.46E-08	2.13E-08	6.35E-09	8.86E-08
490436.72, 3860285.12	0.03511	0.000128	4.43E-08	1.34E-07	1.06E-07	9.15E-08	4.11E-08	1.48E-09	3.57E-08	2.51E-08	2.17E-08	6.49E-09	9.06E-08
490486.72, 3860285.12	0.03583	0.0001307	4.52E-08	1.37E-07	1.08E-07	9.33E-08	4.20E-08	1.51E-09	3.65E-08	2.56E-08	2.22E-08	6.62E-09	9.24E-08
490536.72, 3860285.12	0.03678	0.0001341	4.64E-08	1.40E-07	1.11E-07	9.58E-08	4.31E-08	1.55E-09	3.75E-08	2.63E-08	2.28E-08	6.80E-09	9.49E-08
490586.72, 3860285.12	0.03765	0.0001373	4.75E-08	1.44E-07	1.13E-07	9.81E-08	4.41E-08	1.59E-09	3.83E-08	2.69E-08	2.33E-08	6.96E-09	9.71E-08
490636.72, 3860285.12	0.03842	0.0001401	4.85E-08	1.46E-07	1.16E-07	1.00E-07	4.50E-08	1.62E-09	3.91E-08	2.75E-08	2.38E-08	7.10E-09	9.91E-08
490686.72, 3860285.12	0.03911	0.0001426	4.94E-08	1.49E-07	1.18E-07	1.02E-07	4.58E-08	1.65E-09	3.98E-08	2.80E-08	2.42E-08	7.23E-09	1.01E-07
490736.72, 3860285.12	0.04007	0.0001461	5.06E-08	1.53E-07	1.21E-07	1.04E-07	4.69E-08	1.69E-09	4.08E-08	2.87E-08	2.48E-08	7.40E-09	1.03E-07
490786.72, 3860285.12	0.041	0.0001495	5.18E-08	1.56E-07	1.23E-07	1.07E-07	4.80E-08	1.73E-09	4.17E-08	2.93E-08	2.54E-08	7.58E-09	1.06E-07
490086.72, 3860335.12	0.03287	0.0001199	4.15E-08	1.25E-07	9.90E-08	8.56E-08	3.85E-08	1.39E-09	3.35E-08	2.35E-08	2.03E-08	6.07E-09	8.48E-08
490136.72, 3860335.12	0.03296	0.0001202	4.16E-08	1.26E-07	9.92E-08	8.59E-08	3.86E-08	1.39E-09	3.36E-08	2.36E-08	2.04E-08	6.09E-09	8.50E-08
490186.72, 3860335.12	0.03338	0.0001217	4.21E-08	1.27E-07	1.00E-07	8.70E-08	3.91E-08	1.41E-09	3.40E-08	2.39E-08	2.07E-08	6.17E-09	8.61E-08
490236.72, 3860335.12	0.03359	0.0001225	4.24E-08	1.28E-07	1.01E-07	8.75E-08	3.93E-08	1.42E-09	3.42E-08	2.40E-08	2.08E-08	6.21E-09	8.66E-08
490286.72, 3860335.12	0.03425	0.0001249	4.32E-08	1.31E-07	1.03E-07	8.92E-08	4.01E-08	1.44E-09	3.49E-08	2.45E-08	2.12E-08	6.33E-09	8.83E-08
490336.72, 3860335.12	0.03498	0.0001276	4.42E-08	1.33E-07	1.05E-07	9.11E-08	4.10E-08	1.47E-09	3.56E-08	2.50E-08	2.17E-08	6.46E-09	9.02E-08
490386.72, 3860335.12	0.03562	0.0001299	4.50E-08	1.36E-07	1.07E-07	9.28E-08	4.17E-08	1.50E-09	3.63E-08	2.55E-08	2.20E-08	6.58E-09	9.19E-08
490436.72, 3860335.12	0.0363	0.0001324	4.58E-08	1.38E-07	1.09E-07	9.46E-08	4.25E-08	1.53E-09	3.70E-08	2.60E-08	2.25E-08	6.71E-09	9.36E-08
490486.72, 3860335.12	0.03707	0.0001352	4.68E-08	1.41E-07	1.12E-07	9.66E-08	4.34E-08	1.56E-09	3.77E-08	2.65E-08	2.29E-08	6.85E-09	9.56E-08
490536.72, 3860335.12	0.0377	0.0001375	4.76E-08	1.44E-07	1.14E-07	9.82E-08	4.42E-08	1.59E-09	3.84E-08	2.70E-08	2.33E-08	6.97E-09	9.72E-08
490586.72, 3860335.12	0.03867	0.000141	4.88E-08	1.47E-07	1.16E-07	1.01E-07	4.53E-08	1.63E-09	3.94E-08	2.77E-08	2.39E-08	7.15E-09	9.97E-08
490636.72, 3860335.12	0.03946	0.0001439	4.98E-08	1.50E-07	1.19E-07	1.03E-07	4.62E-08	1.66E-09	4.02E-08	2.82E-08	2.44E-08	7.29E-09	1.02E-07
490686.72, 3860335.12	0.04024	0.0001467	5.08E-08	1.53E-07	1.21E-07	1.05E-07	4.71E-08	1.70E-09	4.10E-08	2.88E-08	2.49E-08	7.44E-09	1.04E-07
490736.72, 3860335.12	0.04104	0.0001497	5.18E-08	1.56E-07	1.24E-07	1.07E-07	4.81E-08	1.73E-09	4.18E-08	2.94E-08	2.54E-08	7.58E-09	1.06E-07
490786.72, 3860335.12	0.0415	0.0001513	5.24E-08	1.58E-07	1.25E-07	1.08E-07	4.86E-08	1.75E-09	4.23E-08	2.97E-08	2.57E-08	7.67E-09	1.07E-07
490086.72, 3860385.12	0.03363	0.0001226	4.25E-08	1.28E-07	1.01E-07	8.76E-08	3.94E-08	1.42E-09	3.42E-08	2.41E-08	2.08E-08	6.21E-09	8.67E-08
490136.72, 3860385.12	0.03373	0.000123	4.26E-08	1.29E-07	1.02E-07	8.79E-08	3.95E-08	1.42E-09	3.43E-08	2.41E-08	2.09E-08	6.23E-09	8.70E-08
490186.72, 3860385.12	0.03436	0.0001253	4.34E-08	1.31E-07	1.03E-07	8.95E-08	4.03E-08	1.45E-09	3.50E-08	2.46E-08	2.13E-08	6.35E-09	8.86E-08
490236.72, 3860385.12	0.03471	0.0001266	4.38E-08	1.32E-07	1.05E-07	9.04E-08	4.07E-08	1.46E-09	3.53E-08	2.48E-08	2.15E-08	6.41E-09	8.95E-08
490286.72, 3860385.12	0.03534	0.0001289	4.46E-08	1.35E-07	1.06E-07	9.21E-08	4.14E-08	1.49E-09	3.60E-08	2.53E-08	2.19E-08	6.53E-09	9.12E-08
490336.72, 3860385.12	0.036	0.0001313	4.54E-08	1.37E-07	1.08E-07	9.38E-08	4.22E-08	1.52E-09	3.67E-08	2.58E-08	2.23E-08	6.65E-09	9.29E-08
490386.72, 3860385.12	0.03676	0.0001341	4.64E-08	1.40E-07	1.11E-07	9.58E-08	4.31E-08	1.55E-09	3.74E-08	2.63E-08	2.28E-08	6.79E-09	9.48E-08
490436.72, 3860385.12	0.03749	0.0001367	4.73E-08	1.43E-07	1.13E-07	9.77E-08	4.39E-08	1.58E-09	3.82E-08	2.68E-08	2.32E-08	6.93E-09	9.67E-08
490486.72, 3860385.12	0.03813	0.000139	4.81E-08	1.45E-07	1.15E-07	9.93E-08	4.47E-08	1.61E-09	3.88E-08	2.73E-08	2.36E-08	7.05E-09	9.84E-08
490536.72, 3860385.12	0.03888	0.0001418	4.91E-08	1.48E-07	1.17E-07	1.01E-07	4.55E-08	1.64E-09	3.96E-08	2.78E-08	2.41E-08	7.18E-09	1.00E-07
490586.72, 3860385.12	0.03968	0.0001447	5.01E-08	1.51E-07	1.19E-07	1.03E-07	4.65E-08	1.67E-09	4.04E-08	2.84E-08	2.46E-08	7.33E-09	1.02E-07
490636.72, 3860385.12	0.04063	0.0001482	5.13E-08	1.55E-07	1.22E-07	1.06E-07	4.76E-08	1.71E-09	4.14E-08	2.91E-08	2.51E-08	7.51E-09	1.05E-07
490686.72, 3860385.12	0.04133	0.0001507	5.22E-08	1.58E-07	1.24E-07	1.08E-07	4.84E-08	1.74E-09	4.21E-08	2.96E-08	2.56E-08	7.64E-09	1.07E-07
490736.72, 3860385.12	0.04233	0.0001544	5.34E-08	1.61E-07	1.27E-07	1.10E-07	4.96E-08	1.78E-09	4.31E-08	3.03E-08	2.62E-08	7.82E-09	1.09E-07
490786.72, 3860385.12	0.04318	0.0001575	5.45E-08	1.65E-07	1.30E-07	1.12E-07	5.06E-08	1.82E-09	4.40E-08	3.09E-08	2.67E-08	7.98E-09	1.11E-07
490136.72, 3860435.12	0.0346	0.0001262	4.37E-08	1.32E-07	1.04E-07	9.01E-08	4.05E-08	1.46E-09	3.52E-08	2.48E-08	2.14E-08	6.39E-09	8.92E-08
490186.72, 3860435.12	0.03494	0.0001274	4.41E-08	1.33E-07	1.05E-07	9.10E-08	4.09E-08	1.47E-09	3.56E-08	2.50E-08	2.16E-08	6.46E-09	9.01E-08
490236.72, 3860435.12	0.03548	0.0001294	4.48E-08	1.35E-07	1.07E-07	9.24E-08	4.16E-08	1.50E-09	3.61E-08	2.54E-08	2.20E-08	6.56E-09	9.15E-08
490286.72, 3860435.12	0.03614	0.0001318	4.56E-08	1.38E-07	1.09E-07	9.41E-08	4.23E-08	1.52E-09	3.68E-08	2.59E-08	2.24E-08	6.68E-09	9.32E-08
490336.72, 3860435.12	0.037	0.0001349	4.67E-08	1.41E-07	1.11E-07	9.64E-08	4.33E-08	1.56E-09	3.77E-08	2.65E-08	2.29E-08	6.84E-09	9.54E-08
490386.72, 3860435.12	0.03771	0.0001375	4.76E-08	1.44E-07	1.14E-07	9.82E-08	4.42E-08	1.59E-09	3.84E-08	2.70E-08	2.33E-08	6.97E-09	9.73E-08
490436.72, 3860435.12	0.03849	0.0001404	4.86E-08	1.47E-07	1.16E-07	1.00E-07	4.51E-08	1.62E-09	3.92E-08	2.75E-08	2.38E-08	7.11E-09	9.93E-08
490486.72, 3860435.12	0.03929	0.0001433	4.96E-08	1.50E-07	1.18E-07	1.02E-07	4.60E-08	1.66E-09	4.00E-08	2.81E-08	2.43E-08	7.26E-09	1.01E-07
490536.72, 3860435.12	0.04002	0.0001459	5.05E-08	1.53E-07	1.20E-07	1.04E-07	4.69E-08	1.69E-09	4.07E-08	2.86E-08	2.48E-08	7.39E-09	1.03E-07
490586.72, 3860435.12	0.04094	0.0001493	5.17E-08	1.56E-07	1.23E-07	1.07E-07	4.80E-08	1.73E-09	4.17E-08	2.93E-08	2.53E-08	7.56E-09	1.06E-07
490636.72, 3860435.12	0.04193	0.0001529	5.29E-08	1.60E-07	1.26E-07	1.09E-07	4.91E-08	1.77E-09	4.27E-08	3.00E-08	2.60E-08	7.75E-09	1.08E-07
490686.72, 3860435.12	0.04276	0.0001559	5.40E-08	1.63E-07	1.29E-07	1.11E-07	5.01E-08	1.80E-09	4.35E-08	3.06E-08	2.65E-08	7.90E-09	1.10E-07
490736.72, 3860435.12	0.04343	0.0001584	5.48E-08	1.66E-07	1.31E-07	1.13E-07	5.09E-08	1.83E-09	4.42E-08	3.11E-08	2.69E-08	8.02E-09	1.12E-07
490786.72, 3860435.12	0.04446	0.0001621	5.61E-08	1.69E-07	1.34E-07	1.16E-07	5.21E-08	1.87E-09	4.53E-08	3.18E-08	2.75E-08	8.21E-09	1.15E-07
490136.72, 3860485.12	0.0348	0.0001269	4.39E-08	1.33E-07	1.05E-07	9.07E-08	4.08E-08	1.47E-09	3.54E-08	2.49E-08	2.15E-08	6.43E-09	8.98E-08
490186.72, 3860485.12	0.03536	0.0001289	4.46E-08	1.35E-07	1.06E-07	9.21E-08	4.14E-08	1.49E-09	3.60E-08	2.53E-08	2.19E-08	6.53E-09	9.12E-08
490236.72, 3860485.12	0.03612	0.0001317	4.56E-08	1.38E-07	1.09E-07	9.41E-08	4.23E-08	1.52E-09	3.68E-08	2.58E-08	2.24E-08	6.67E-09	9.32E-08
490286.72, 3860485.12	0.03667	0.0001337	4.63E-08	1.40E-07	1.10E-07	9.55E-08	4.30E-08	1.55E-09	3.73E-08	2.62E-08	2.27E-08	6.78E-09	9.46E-08
490336.72, 3860485.12	0.03756	0.000137	4.74E-08	1.43E-07	1.13E-07	9.78E-08	4.40E-08	1.58E-09	3.82E-08	2.69E-08	2.32E-08	6.94E-09	9.69E-08
490386.72, 3860485.12	0.03826	0.0001395	4.83E-08	1.46E-07	1.15E-07	9.97E-08	4.48E-08	1.61E-09	3.90E-08	2.74E-08	2.37E-08	7.07E-09	9.87E-08
490436.72, 3860485.12	0.03879	0.0001415	4.90E-08	1.48E-07	1.17E-07	1.01E-07	4.54E-08	1.64E-09	3.95E-08	2.77E-08	2.40E-08	7.17E-09	1.00E-07
490486.72, 3860485.12	0.03983	0.0001452	5.03E-08	1.52E-07	1.20E-07	1.04E-07	4.67E-08	1.68E-09	4.06E-08	2.85E-08	2.47E-08	7.36E-09	1.03E-07
490536.72, 3860485.12	0.04093	0.0001493	5.17E-08	1.56E-07	1.23E-07	1.07E-07	4.79E-08	1.73E-09	4.17E-08	2.93E-08	2.53E-08	7.56E-09	1.06E-07
490586.72, 3860485.12	0.04199	0.0001531	5.30E-08	1.60E-07	1.26E-07	1.09E-07	4.92E-08	1.77E-09	4.28E-08	3.00E-08	2.60E-08	7.76E-09	1.08E-07
490636.72, 3860485.12	0.04283	0.0001562	5.41E-08	1.63E-07	1.29E-07	1.12E-07	5.02E-08	1.81E-09	4.36E-08	3.06E-08	2.65E-08	7.91E-09	1.10E-07
490686.72, 3860485.12	0.04399	0.0001604	5.55E-08	1.68E-07	1.32E-07	1.15E-07	5.15E-08	1.85E-09	4.48E-08	3.15E-08	2.72E-08	8.13E-09	1.13E-07
490736.72, 3860485.12	0.04485	0.0001636	5.66E-08	1.71E-07	1.35E-07	1.17E-07	5.25E-08	1.89E-09	4.57E-08	3.21E-08	2.78E-08	8.29E-09	1.16E-07

490786.72, 3860485.12	0.04579	0.000167	5.78E-08	1.75E-07	1.38E-07	1.19E-07	5.36E-08	1.93E-09	4.66E-08	3.28E-08	2.83E-08	8.46E-09	1.18E-07
490136.72, 3860535.12	0.03513	0.0001281	4.43E-08	1.34E-07	1.06E-07	9.15E-08	4.12E-08	1.48E-09	3.58E-08	2.51E-08	2.17E-08	6.49E-09	9.06E-08
490186.72, 3860535.12	0.03511	0.000128	4.43E-08	1.34E-07	1.06E-07	9.15E-08	4.11E-08	1.48E-09	3.57E-08	2.51E-08	2.17E-08	6.49E-09	9.06E-08
490236.72, 3860535.12	0.03642	0.0001328	4.60E-08	1.39E-07	1.10E-07	9.49E-08	4.27E-08	1.54E-09	3.71E-08	2.61E-08	2.25E-08	6.73E-09	9.39E-08
490286.72, 3860535.12	0.03728	0.0001359	4.71E-08	1.42E-07	1.12E-07	9.71E-08	4.37E-08	1.57E-09	3.80E-08	2.67E-08	2.31E-08	6.89E-09	9.62E-08
490336.72, 3860535.12	0.03795	0.0001384	4.79E-08	1.45E-07	1.14E-07	9.89E-08	4.45E-08	1.60E-09	3.86E-08	2.71E-08	2.35E-08	7.01E-09	9.79E-08
490386.72, 3860535.12	0.03846	0.0001403	4.85E-08	1.47E-07	1.16E-07	1.00E-07	4.51E-08	1.62E-09	3.92E-08	2.75E-08	2.38E-08	7.11E-09	9.92E-08
490436.72, 3860535.12	0.03908	0.0001425	4.93E-08	1.49E-07	1.18E-07	1.02E-07	4.58E-08	1.65E-09	3.98E-08	2.80E-08	2.42E-08	7.22E-09	1.01E-07
490486.72, 3860535.12	0.0399	0.0001455	5.04E-08	1.52E-07	1.20E-07	1.04E-07	4.67E-08	1.68E-09	4.06E-08	2.85E-08	2.47E-08	7.37E-09	1.03E-07
490536.72, 3860535.12	0.03996	0.0001457	5.04E-08	1.52E-07	1.20E-07	1.04E-07	4.68E-08	1.68E-09	4.07E-08	2.86E-08	2.47E-08	7.38E-09	1.03E-07
490586.72, 3860535.12	0.04228	0.0001542	5.34E-08	1.61E-07	1.27E-07	1.10E-07	4.95E-08	1.78E-09	4.31E-08	3.02E-08	2.62E-08	7.81E-09	1.09E-07
490636.72, 3860535.12	0.04351	0.0001587	5.49E-08	1.66E-07	1.31E-07	1.13E-07	5.10E-08	1.83E-09	4.43E-08	3.11E-08	2.69E-08	8.04E-09	1.12E-07
490686.72, 3860535.12	0.04454	0.0001624	5.62E-08	1.70E-07	1.34E-07	1.16E-07	5.22E-08	1.88E-09	4.54E-08	3.19E-08	2.76E-08	8.23E-09	1.15E-07
490736.72, 3860535.12	0.0458	0.000167	5.78E-08	1.75E-07	1.38E-07	1.19E-07	5.37E-08	1.93E-09	4.66E-08	3.28E-08	2.83E-08	8.46E-09	1.18E-07
490786.72, 3860535.12	0.04676	0.0001705	5.90E-08	1.78E-07	1.41E-07	1.22E-07	5.48E-08	1.97E-09	4.76E-08	3.34E-08	2.89E-08	8.64E-09	1.21E-07
490136.72, 3860585.12	0.03486	0.0001271	4.40E-08	1.33E-07	1.05E-07	9.08E-08	4.08E-08	1.47E-09	3.55E-08	2.49E-08	2.16E-08	6.44E-09	8.99E-08
490186.72, 3860585.12	0.03697	0.0001348	4.67E-08	1.41E-07	1.11E-07	9.63E-08	4.33E-08	1.56E-09	3.76E-08	2.64E-08	2.29E-08	6.83E-09	9.54E-08
490236.72, 3860585.12	0.03719	0.0001356	4.69E-08	1.42E-07	1.12E-07	9.69E-08	4.36E-08	1.57E-09	3.79E-08	2.66E-08	2.30E-08	6.87E-09	9.59E-08
490286.72, 3860585.12	0.03762	0.0001372	4.75E-08	1.43E-07	1.13E-07	9.80E-08	4.41E-08	1.59E-09	3.83E-08	2.69E-08	2.33E-08	6.95E-09	9.70E-08
490336.72, 3860585.12	0.03837	0.0001399	4.84E-08	1.46E-07	1.16E-07	1.00E-07	4.49E-08	1.62E-09	3.91E-08	2.74E-08	2.38E-08	7.09E-09	9.90E-08
490386.72, 3860585.12	0.03919	0.0001429	4.95E-08	1.49E-07	1.18E-07	1.02E-07	4.59E-08	1.65E-09	3.99E-08	2.80E-08	2.43E-08	7.24E-09	1.01E-07
490436.72, 3860585.12	0.03896	0.0001421	4.92E-08	1.48E-07	1.17E-07	1.01E-07	4.56E-08	1.64E-09	3.97E-08	2.79E-08	2.41E-08	7.20E-09	1.00E-07
490486.72, 3860585.12	0.03891	0.0001419	4.91E-08	1.48E-07	1.17E-07	1.01E-07	4.56E-08	1.64E-09	3.96E-08	2.78E-08	2.41E-08	7.19E-09	1.00E-07
490536.72, 3860585.12	0.04021	0.0001466	5.08E-08	1.53E-07	1.21E-07	1.05E-07	4.71E-08	1.69E-09	4.09E-08	2.88E-08	2.49E-08	7.43E-09	1.04E-07
490586.72, 3860585.12	0.04299	0.0001568	5.43E-08	1.64E-07	1.29E-07	1.12E-07	5.04E-08	1.81E-09	4.38E-08	3.08E-08	2.66E-08	7.94E-09	1.11E-07
490636.72, 3860585.12	0.04401	0.0001605	5.56E-08	1.68E-07	1.33E-07	1.15E-07	5.16E-08	1.86E-09	4.48E-08	3.15E-08	2.72E-08	8.13E-09	1.14E-07
490686.72, 3860585.12	0.04515	0.0001646	5.70E-08	1.72E-07	1.36E-07	1.18E-07	5.29E-08	1.90E-09	4.60E-08	3.23E-08	2.79E-08	8.34E-09	1.16E-07
490736.72, 3860585.12	0.04629	0.0001688	5.84E-08	1.76E-07	1.39E-07	1.21E-07	5.42E-08	1.95E-09	4.71E-08	3.31E-08	2.87E-08	8.55E-09	1.19E-07
490786.72, 3860585.12	0.04763	0.0001737	6.01E-08	1.82E-07	1.43E-07	1.24E-07	5.58E-08	2.01E-09	4.85E-08	3.41E-08	2.95E-08	8.80E-09	1.23E-07
490136.72, 3860635.12	0.03365	0.0001227	4.25E-08	1.28E-07	1.01E-07	8.77E-08	3.94E-08	1.42E-09	3.43E-08	2.41E-08	2.08E-08	6.22E-09	8.68E-08
490186.72, 3860635.12	0.03565	0.00013	4.50E-08	1.36E-07	1.07E-07	9.29E-08	4.18E-08	1.50E-09	3.63E-08	2.55E-08	2.21E-08	6.59E-09	9.20E-08
490236.72, 3860635.12	0.03713	0.0001354	4.69E-08	1.42E-07	1.12E-07	9.67E-08	4.35E-08	1.57E-09	3.78E-08	2.66E-08	2.30E-08	6.86E-09	9.58E-08
490286.72, 3860635.12	0.03825	0.0001395	4.83E-08	1.46E-07	1.15E-07	9.96E-08	4.48E-08	1.61E-09	3.89E-08	2.74E-08	2.37E-08	7.07E-09	9.87E-08
490336.72, 3860635.12	0.03884	0.0001416	4.90E-08	1.48E-07	1.17E-07	1.01E-07	4.55E-08	1.64E-09	3.95E-08	2.78E-08	2.40E-08	7.18E-09	1.00E-07
490386.72, 3860635.12	0.03952	0.0001441	4.99E-08	1.51E-07	1.19E-07	1.03E-07	4.63E-08	1.67E-09	4.02E-08	2.83E-08	2.45E-08	7.30E-09	1.02E-07
490436.72, 3860635.12	0.04042	0.0001474	5.10E-08	1.54E-07	1.22E-07	1.05E-07	4.73E-08	1.70E-09	4.12E-08	2.89E-08	2.50E-08	7.47E-09	1.04E-07
490486.72, 3860635.12	0.04116	0.0001501	5.20E-08	1.57E-07	1.24E-07	1.07E-07	4.82E-08	1.74E-09	4.19E-08	2.94E-08	2.55E-08	7.61E-09	1.06E-07
490536.72, 3860635.12	0.04156	0.0001516	5.25E-08	1.58E-07	1.25E-07	1.08E-07	4.87E-08	1.75E-09	4.23E-08	2.97E-08	2.57E-08	7.68E-09	1.07E-07
490586.72, 3860635.12	0.04319	0.0001575	5.45E-08	1.65E-07	1.30E-07	1.13E-07	5.06E-08	1.82E-09	4.40E-08	3.09E-08	2.67E-08	7.98E-09	1.11E-07
490636.72, 3860635.12	0.04416	0.000161	5.57E-08	1.68E-07	1.33E-07	1.15E-07	5.17E-08	1.86E-09	4.50E-08	3.16E-08	2.73E-08	8.16E-09	1.14E-07
490686.72, 3860635.12	0.04538	0.0001655	5.73E-08	1.73E-07	1.37E-07	1.18E-07	5.32E-08	1.91E-09	4.62E-08	3.25E-08	2.81E-08	8.38E-09	1.17E-07
490736.72, 3860635.12	0.04693	0.0001711	5.92E-08	1.79E-07	1.41E-07	1.22E-07	5.50E-08	1.98E-09	4.78E-08	3.36E-08	2.90E-08	8.67E-09	1.21E-07
490786.72, 3860635.12	0.04812	0.0001755	6.07E-08	1.83E-07	1.45E-07	1.25E-07	5.64E-08	2.03E-09	4.90E-08	3.44E-08	2.98E-08	8.89E-09	1.24E-07
490136.72, 3860685.12	0.0344	0.0001254	4.34E-08	1.31E-07	1.04E-07	8.96E-08	4.03E-08	1.45E-09	3.50E-08	2.46E-08	2.13E-08	6.36E-09	8.87E-08
490186.72, 3860685.12	0.03367	0.0001228	4.25E-08	1.28E-07	1.01E-07	8.77E-08	3.94E-08	1.42E-09	3.43E-08	2.41E-08	2.08E-08	6.22E-09	8.69E-08
490236.72, 3860685.12	0.03617	0.0001319	4.57E-08	1.38E-07	1.09E-07	9.42E-08	4.24E-08	1.52E-09	3.68E-08	2.59E-08	2.24E-08	6.68E-09	9.33E-08
490286.72, 3860685.12	0.03882	0.0001416	4.90E-08	1.48E-07	1.17E-07	1.01E-07	4.55E-08	1.64E-09	3.95E-08	2.78E-08	2.40E-08	7.17E-09	1.00E-07
490336.72, 3860685.12	0.03908	0.0001425	4.93E-08	1.49E-07	1.18E-07	1.02E-07	4.58E-08	1.65E-09	3.98E-08	2.80E-08	2.42E-08	7.22E-09	1.01E-07
490386.72, 3860685.12	0.03981	0.0001452	5.03E-08	1.52E-07	1.20E-07	1.04E-07	4.66E-08	1.68E-09	4.05E-08	2.85E-08	2.46E-08	7.36E-09	1.03E-07
490436.72, 3860685.12	0.04098	0.0001494	5.17E-08	1.56E-07	1.23E-07	1.07E-07	4.80E-08	1.73E-09	4.17E-08	2.93E-08	2.54E-08	7.57E-09	1.06E-07
490486.72, 3860685.12	0.0422	0.0001539	5.33E-08	1.61E-07	1.27E-07	1.10E-07	4.94E-08	1.78E-09	4.30E-08	3.02E-08	2.61E-08	7.80E-09	1.09E-07
490536.72, 3860685.12	0.04298	0.0001567	5.43E-08	1.64E-07	1.29E-07	1.12E-07	5.03E-08	1.81E-09	4.38E-08	3.07E-08	2.66E-08	7.94E-09	1.11E-07
490586.72, 3860685.12	0.04388	0.00016	5.54E-08	1.67E-07	1.32E-07	1.14E-07	5.14E-08	1.85E-09	4.47E-08	3.14E-08	2.72E-08	8.11E-09	1.13E-07
490636.72, 3860685.12	0.04468	0.0001629	5.64E-08	1.70E-07	1.35E-07	1.16E-07	5.23E-08	1.88E-09	4.55E-08	3.20E-08	2.77E-08	8.26E-09	1.15E-07
490686.72, 3860685.12	0.04549	0.0001659	5.74E-08	1.73E-07	1.37E-07	1.19E-07	5.33E-08	1.92E-09	4.63E-08	3.25E-08	2.82E-08	8.41E-09	1.17E-07
490736.72, 3860685.12	0.04692	0.0001711	5.92E-08	1.79E-07	1.41E-07	1.22E-07	5.50E-08	1.98E-09	4.78E-08	3.36E-08	2.90E-08	8.67E-09	1.21E-07
490786.72, 3860685.12	0.04765	0.0001738	6.02E-08	1.82E-07	1.43E-07	1.24E-07	5.58E-08	2.01E-09	4.85E-08	3.41E-08	2.95E-08	8.80E-09	1.23E-07
490136.72, 3860735.12	0.03632	0.0001324	4.58E-08	1.38E-07	1.09E-07	9.46E-08	4.25E-08	1.53E-09	3.70E-08	2.60E-08	2.25E-08	6.71E-09	9.37E-08
490186.72, 3860735.12	0.03742	0.0001365	4.72E-08	1.43E-07	1.13E-07	9.75E-08	4.38E-08	1.58E-09	3.81E-08	2.68E-08	2.32E-08	6.91E-09	9.65E-08
490236.72, 3860735.12	0.03825	0.0001395	4.83E-08	1.46E-07	1.15E-07	9.96E-08	4.48E-08	1.61E-09	3.89E-08	2.74E-08	2.37E-08	7.07E-09	9.87E-08
490286.72, 3860735.12	0.03894	0.000142	4.92E-08	1.48E-07	1.17E-07	1.01E-07	4.56E-08	1.64E-09	3.96E-08	2.79E-08	2.41E-08	7.20E-09	1.00E-07
490336.72, 3860735.12	0.03974	0.0001449	5.02E-08	1.51E-07	1.20E-07	1.04E-07	4.66E-08	1.68E-09	4.05E-08	2.84E-08	2.46E-08	7.34E-09	1.03E-07
490386.72, 3860735.12	0.04025	0.0001468	5.08E-08	1.53E-07	1.21E-07	1.05E-07	4.72E-08	1.70E-09	4.10E-08	2.88E-08	2.49E-08	7.44E-09	1.04E-07
490436.72, 3860735.12	0.0401	0.0001462	5.06E-08	1.53E-07	1.21E-07	1.04E-07	4.70E-08	1.69E-09	4.08E-08	2.87E-08	2.48E-08	7.41E-09	1.03E-07
490486.72, 3860735.12	0.04163	0.0001518	5.26E-08	1.59E-07	1.25E-07	1.08E-07	4.88E-08	1.75E-09	4.24E-08	2.98E-08	2.58E-08	7.69E-09	1.07E-07
490536.72, 3860735.12	0.04369	0.0001593	5.52E-08	1.67E-07	1.32E-07	1.14E-07	5.12E-08	1.84E-09	4.45E-08	3.13E-08	2.70E-08	8.07E-09	1.13E-07
490586.72, 3860735.12	0.04486	0.0001636	5.66E-08	1.71E-07	1.35E-07	1.17E-07	5.26E-08	1.89E-09	4.57E-08	3.21E-08	2.78E-08	8.29E-09	1.16E-07
490636.72, 3860735.12	0.04587	0.0001673	5.79E-08	1.75E-07	1.38E-07	1.19E-07	5.37E-08	1.93E-09	4.67E-08	3.28E-08	2.84E-08	8.48E-09	1.18E-07
490686.72, 3860735.12	0.04639	0.0001692	5.86E-08	1.77E-07	1.40E-07	1.21E-07	5.43E-08	1.96E-09	4.72E-08	3.32E-08	2.87E-08	8.57E-09	1.20E-07
490736.72, 3860735.12	0.04699	0.0001714	5.93E-08	1.79E-07	1.41E-07	1.22E-07	5.50E-08	1.98E-09	4.78E-08	3.36E-08	2.91E-08	8.68E-09	1.21E-07
490136.72, 3860785.12	0.03733	0.0001361	4.71E-08	1.42E-07	1.12E-07	9.72E-08	4.37E-08	1.57E-09	3.80E-08	2.67E-08	2.31E-08	6.90E-09	9.63E-08
490186.72, 3860785.12	0.03802	0.0001386	4.80E-08	1.45E-07	1.14E-07	9.90E-08	4.45E-08	1.60E-09	3.87E-08	2.72E-08	2.35E-08	7.03E-09	9.81E-08
490236.72, 3860785.12	0.03884	0.0001416	4.90E-08	1.48E-07	1.17E-07	1.01E-07	4.55E-08	1.64E-09	3.95E-08	2.78E-08	2.40E-08	7.18E-09	1.00E-07
490286.72, 3860785.12	0.0396	0.0001444	5.00E-08	1.51E-07	1.19E-07	1.03E-07	4.64E-08	1.67E-09	4.03E-08	2.83E-08	2.45E-08	7.32E-09	1.02E-07
490336.72, 3860785.12	0.04046	0.0001475	5.11E-08	1.54E-07	1.22E-07	1.05E-07	4.74E-08	1.71E-09	4.12E-08	2.89E-08	2.50E-08	7.48E-09	1.04E-07
490386.72, 3860785.12	0.04066	0.0001483	5.13E-08	1.55E-07	1.22E-07	1.06E-07	4.76E-08	1.71E-09	4.14E-08	2.91E-08	2.52E-08	7.51E-09	1.05E-07
490436.72, 3860785.12	0.04158	0.0001516	5.25E-08	1.58E-07	1.25E-07	1.08E-07	4.87E-08	1.75E-09	4.23E-08	2.97E-08	2.57E-08	7.68E-09	1.07E-07
490486.72, 3860785.12	0.04191	0.0001528	5.29E-08	1.60E-07	1.26E-07	1.09E-07	4.91E-08	1.77E-09	4.27E-08	3.00E-08	2.59E-08	7.74E-09	1.08E-07
490536.72, 3860785.12	0.04342	0.0001583	5.48E-08	1.65E-07	1.31E-07	1.13E-07	5.09E-08	1.83E-09	4.42E-08	3.11E-08	2.69E-08	8.02E-09	1.12E-07
490586.72, 3860785.12	0.04552	0.000166	5.75E-08	1.74E-07	1.37E-07	1.19E-07	5.33E-08	1.92E-09	4.63E-08	3.26E-08	2.82E-08	8.41E-09	1.17E-07

490636.72, 3860785.12	0.04679	0.0001706	5.91E-08	1.78E-07	1.41E-07	1.22E-07	5.48E-08	1.97E-09	4.76E-08	3.35E-08	2.90E-08	8.65E-09	1.21E-07
490686.72, 3860785.12	0.04767	0.0001738	6.02E-08	1.82E-07	1.44E-07	1.24E-07	5.58E-08	2.01E-09	4.85E-08	3.41E-08	2.95E-08	8.81E-09	1.23E-07
490736.72, 3860785.12	0.04818	0.0001757	6.08E-08	1.84E-07	1.45E-07	1.26E-07	5.64E-08	2.03E-09	4.91E-08	3.45E-08	2.98E-08	8.90E-09	1.24E-07
490086.72, 3860835.12	0.03689	0.0001345	4.66E-08	1.41E-07	1.11E-07	9.61E-08	4.32E-08	1.56E-09	3.76E-08	2.64E-08	2.28E-08	6.82E-09	9.52E-08
490136.72, 3860835.12	0.03723	0.0001358	4.70E-08	1.42E-07	1.12E-07	9.70E-08	4.36E-08	1.57E-09	3.79E-08	2.66E-08	2.30E-08	6.88E-09	9.60E-08
490186.72, 3860835.12	0.03823	0.0001394	4.83E-08	1.46E-07	1.15E-07	9.96E-08	4.48E-08	1.61E-09	3.89E-08	2.73E-08	2.37E-08	7.06E-09	9.86E-08
490236.72, 3860835.12	0.03914	0.0001427	4.94E-08	1.49E-07	1.18E-07	1.02E-07	4.58E-08	1.65E-09	3.99E-08	2.80E-08	2.42E-08	7.23E-09	1.01E-07
490286.72, 3860835.12	0.0398	0.0001451	5.02E-08	1.52E-07	1.20E-07	1.04E-07	4.66E-08	1.68E-09	4.05E-08	2.85E-08	2.46E-08	7.35E-09	1.03E-07
490336.72, 3860835.12	0.0408	0.0001488	5.15E-08	1.56E-07	1.23E-07	1.06E-07	4.78E-08	1.72E-09	4.15E-08	2.92E-08	2.53E-08	7.54E-09	1.05E-07
490386.72, 3860835.12	0.04169	0.000152	5.26E-08	1.59E-07	1.26E-07	1.09E-07	4.88E-08	1.76E-09	4.24E-08	2.98E-08	2.58E-08	7.70E-09	1.08E-07
490436.72, 3860835.12	0.04221	0.0001539	5.33E-08	1.61E-07	1.27E-07	1.10E-07	4.94E-08	1.78E-09	4.30E-08	3.02E-08	2.61E-08	7.80E-09	1.09E-07
490486.72, 3860835.12	0.04291	0.0001565	5.42E-08	1.64E-07	1.29E-07	1.12E-07	5.03E-08	1.81E-09	4.37E-08	3.07E-08	2.66E-08	7.93E-09	1.11E-07
490536.72, 3860835.12	0.04399	0.0001604	5.55E-08	1.68E-07	1.32E-07	1.15E-07	5.15E-08	1.85E-09	4.48E-08	3.15E-08	2.72E-08	8.13E-09	1.13E-07
490586.72, 3860835.12	0.04553	0.000166	5.75E-08	1.74E-07	1.37E-07	1.19E-07	5.33E-08	1.92E-09	4.64E-08	3.26E-08	2.82E-08	8.41E-09	1.17E-07
490636.72, 3860835.12	0.04708	0.0001717	5.94E-08	1.79E-07	1.42E-07	1.23E-07	5.52E-08	1.98E-09	4.79E-08	3.37E-08	2.91E-08	8.70E-09	1.21E-07
490686.72, 3860835.12	0.04816	0.0001756	6.08E-08	1.84E-07	1.45E-07	1.25E-07	5.64E-08	2.03E-09	4.90E-08	3.45E-08	2.98E-08	8.90E-09	1.24E-07
490736.72, 3860835.12	0.0488	0.000178	6.16E-08	1.86E-07	1.47E-07	1.27E-07	5.72E-08	2.06E-09	4.97E-08	3.49E-08	3.02E-08	9.02E-09	1.26E-07
490086.72, 3860885.12	0.03668	0.0001338	4.63E-08	1.40E-07	1.10E-07	9.56E-08	4.30E-08	1.55E-09	3.73E-08	2.62E-08	2.27E-08	6.78E-09	9.46E-08
490136.72, 3860885.12	0.03738	0.0001363	4.72E-08	1.42E-07	1.13E-07	9.74E-08	4.38E-08	1.58E-09	3.81E-08	2.67E-08	2.31E-08	6.91E-09	9.64E-08
490186.72, 3860885.12	0.03825	0.0001395	4.83E-08	1.46E-07	1.15E-07	9.96E-08	4.48E-08	1.61E-09	3.89E-08	2.74E-08	2.37E-08	7.07E-09	9.87E-08
490236.72, 3860885.12	0.03906	0.0001424	4.93E-08	1.49E-07	1.18E-07	1.02E-07	4.58E-08	1.65E-09	3.98E-08	2.79E-08	2.42E-08	7.22E-09	1.01E-07
490286.72, 3860885.12	0.03994	0.0001456	5.04E-08	1.52E-07	1.20E-07	1.04E-07	4.68E-08	1.68E-09	4.07E-08	2.86E-08	2.47E-08	7.38E-09	1.03E-07
490336.72, 3860885.12	0.041	0.0001495	5.18E-08	1.56E-07	1.23E-07	1.07E-07	4.80E-08	1.73E-09	4.17E-08	2.93E-08	2.54E-08	7.58E-09	1.06E-07
490386.72, 3860885.12	0.0417	0.0001521	5.26E-08	1.59E-07	1.26E-07	1.09E-07	4.88E-08	1.76E-09	4.25E-08	2.98E-08	2.58E-08	7.70E-09	1.08E-07
490436.72, 3860885.12	0.0423	0.0001543	5.34E-08	1.61E-07	1.27E-07	1.10E-07	4.96E-08	1.78E-09	4.31E-08	3.03E-08	2.62E-08	7.82E-09	1.09E-07
490486.72, 3860885.12	0.04318	0.0001575	5.45E-08	1.65E-07	1.30E-07	1.12E-07	5.06E-08	1.82E-09	4.40E-08	3.09E-08	2.67E-08	7.98E-09	1.11E-07
490536.72, 3860885.12	0.04429	0.0001615	5.59E-08	1.69E-07	1.33E-07	1.15E-07	5.19E-08	1.87E-09	4.51E-08	3.17E-08	2.74E-08	8.18E-09	1.14E-07
490586.72, 3860885.12	0.04566	0.0001665	5.76E-08	1.74E-07	1.37E-07	1.19E-07	5.35E-08	1.92E-09	4.65E-08	3.27E-08	2.83E-08	8.44E-09	1.18E-07
490636.72, 3860885.12	0.04719	0.0001721	5.96E-08	1.80E-07	1.42E-07	1.23E-07	5.53E-08	1.99E-09	4.80E-08	3.38E-08	2.92E-08	8.72E-09	1.22E-07
490686.72, 3860885.12	0.04851	0.0001769	6.12E-08	1.85E-07	1.46E-07	1.26E-07	5.68E-08	2.04E-09	4.94E-08	3.47E-08	3.00E-08	8.96E-09	1.25E-07
490736.72, 3860885.12	0.04972	0.0001813	6.28E-08	1.90E-07	1.50E-07	1.30E-07	5.82E-08	2.10E-09	5.06E-08	3.56E-08	3.08E-08	9.19E-09	1.28E-07
490086.72, 3860935.12	0.03707	0.0001352	4.68E-08	1.41E-07	1.12E-07	9.66E-08	4.34E-08	1.56E-09	3.77E-08	2.65E-08	2.29E-08	6.85E-09	9.56E-08
490136.72, 3860935.12	0.03808	0.0001389	4.81E-08	1.45E-07	1.15E-07	9.92E-08	4.46E-08	1.61E-09	3.88E-08	2.72E-08	2.36E-08	7.04E-09	9.82E-08
490186.72, 3860935.12	0.03864	0.0001409	4.88E-08	1.47E-07	1.16E-07	1.01E-07	4.53E-08	1.63E-09	3.93E-08	2.76E-08	2.39E-08	7.14E-09	9.97E-08
490236.72, 3860935.12	0.03932	0.0001434	4.96E-08	1.50E-07	1.18E-07	1.02E-07	4.61E-08	1.66E-09	4.00E-08	2.81E-08	2.43E-08	7.27E-09	1.01E-07
490286.72, 3860935.12	0.03999	0.0001458	5.05E-08	1.52E-07	1.20E-07	1.04E-07	4.68E-08	1.69E-09	4.07E-08	2.86E-08	2.48E-08	7.39E-09	1.03E-07
490336.72, 3860935.12	0.04107	0.0001498	5.18E-08	1.57E-07	1.24E-07	1.07E-07	4.81E-08	1.73E-09	4.18E-08	2.94E-08	2.54E-08	7.59E-09	1.06E-07
490386.72, 3860935.12	0.04169	0.000152	5.26E-08	1.59E-07	1.26E-07	1.09E-07	4.88E-08	1.76E-09	4.24E-08	2.98E-08	2.58E-08	7.70E-09	1.08E-07
490436.72, 3860935.12	0.04234	0.0001544	5.34E-08	1.61E-07	1.27E-07	1.10E-07	4.96E-08	1.78E-09	4.31E-08	3.03E-08	2.62E-08	7.82E-09	1.09E-07
490486.72, 3860935.12	0.04338	0.0001582	5.48E-08	1.65E-07	1.31E-07	1.13E-07	5.08E-08	1.83E-09	4.42E-08	3.10E-08	2.69E-08	8.02E-09	1.12E-07
490536.72, 3860935.12	0.04437	0.0001618	5.60E-08	1.69E-07	1.34E-07	1.16E-07	5.20E-08	1.87E-09	4.52E-08	3.17E-08	2.75E-08	8.20E-09	1.14E-07
490586.72, 3860935.12	0.04574	0.0001668	5.77E-08	1.74E-07	1.38E-07	1.19E-07	5.36E-08	1.93E-09	4.66E-08	3.27E-08	2.83E-08	8.45E-09	1.18E-07
490636.72, 3860935.12	0.04723	0.0001722	5.96E-08	1.80E-07	1.42E-07	1.23E-07	5.53E-08	1.99E-09	4.81E-08	3.38E-08	2.92E-08	8.73E-09	1.22E-07
490686.72, 3860935.12	0.04861	0.0001773	6.14E-08	1.85E-07	1.46E-07	1.27E-07	5.69E-08	2.05E-09	4.95E-08	3.48E-08	3.01E-08	8.98E-09	1.25E-07
490736.72, 3860935.12	0.05002	0.0001824	6.31E-08	1.91E-07	1.51E-07	1.30E-07	5.86E-08	2.11E-09	5.09E-08	3.58E-08	3.10E-08	9.24E-09	1.29E-07
490786.72, 3860935.12	0.05137	0.0001873	6.48E-08	1.96E-07	1.55E-07	1.34E-07	6.02E-08	2.17E-09	5.23E-08	3.67E-08	3.18E-08	9.49E-09	1.33E-07
490836.72, 3860935.12	0.05223	0.0001905	6.59E-08	1.99E-07	1.57E-07	1.36E-07	6.12E-08	2.20E-09	5.32E-08	3.74E-08	3.23E-08	9.65E-09	1.35E-07
490086.72, 3860985.12	0.03738	0.0001363	4.72E-08	1.42E-07	1.13E-07	9.74E-08	4.38E-08	1.58E-09	3.81E-08	2.67E-08	2.31E-08	6.91E-09	9.64E-08
490136.72, 3860985.12	0.03814	0.0001391	4.81E-08	1.45E-07	1.15E-07	9.94E-08	4.47E-08	1.61E-09	3.88E-08	2.73E-08	2.36E-08	7.05E-09	9.84E-08
490186.72, 3860985.12	0.03865	0.0001409	4.88E-08	1.47E-07	1.16E-07	1.01E-07	4.53E-08	1.63E-09	3.94E-08	2.76E-08	2.39E-08	7.14E-09	9.97E-08
490236.72, 3860985.12	0.0397	0.0001448	5.01E-08	1.51E-07	1.20E-07	1.03E-07	4.65E-08	1.67E-09	4.04E-08	2.84E-08	2.46E-08	7.34E-09	1.02E-07
490286.72, 3860985.12	0.04058	0.000148	5.12E-08	1.55E-07	1.22E-07	1.06E-07	4.75E-08	1.71E-09	4.13E-08	2.90E-08	2.51E-08	7.50E-09	1.05E-07
490336.72, 3860985.12	0.04143	0.0001511	5.23E-08	1.58E-07	1.25E-07	1.08E-07	4.85E-08	1.75E-09	4.22E-08	2.96E-08	2.56E-08	7.66E-09	1.07E-07
490386.72, 3860985.12	0.04218	0.0001538	5.32E-08	1.61E-07	1.27E-07	1.10E-07	4.94E-08	1.78E-09	4.29E-08	3.02E-08	2.61E-08	7.79E-09	1.09E-07
490436.72, 3860985.12	0.04258	0.0001553	5.38E-08	1.62E-07	1.28E-07	1.11E-07	4.99E-08	1.79E-09	4.34E-08	3.05E-08	2.64E-08	7.87E-09	1.10E-07
490486.72, 3860985.12	0.04364	0.0001591	5.51E-08	1.66E-07	1.31E-07	1.14E-07	5.11E-08	1.84E-09	4.44E-08	3.12E-08	2.70E-08	8.06E-09	1.13E-07
490536.72, 3860985.12	0.04492	0.0001638	5.67E-08	1.71E-07	1.35E-07	1.17E-07	5.26E-08	1.89E-09	4.57E-08	3.21E-08	2.78E-08	8.30E-09	1.16E-07
490586.72, 3860985.12	0.04624	0.0001686	5.84E-08	1.76E-07	1.39E-07	1.20E-07	5.42E-08	1.95E-09	4.71E-08	3.31E-08	2.86E-08	8.54E-09	1.19E-07
490636.72, 3860985.12	0.04739	0.0001728	5.98E-08	1.81E-07	1.43E-07	1.23E-07	5.55E-08	2.00E-09	4.83E-08	3.39E-08	2.93E-08	8.76E-09	1.22E-07
490686.72, 3860985.12	0.04894	0.0001785	6.18E-08	1.87E-07	1.47E-07	1.27E-07	5.73E-08	2.06E-09	4.98E-08	3.50E-08	3.03E-08	9.04E-09	1.26E-07
490736.72, 3860985.12	0.05054	0.0001843	6.38E-08	1.93E-07	1.52E-07	1.32E-07	5.92E-08	2.13E-09	5.15E-08	3.62E-08	3.13E-08	9.34E-09	1.30E-07
490786.72, 3860985.12	0.05192	0.0001893	6.55E-08	1.98E-07	1.56E-07	1.35E-07	6.08E-08	2.19E-09	5.29E-08	3.71E-08	3.21E-08	9.59E-09	1.34E-07
490836.72, 3860985.12	0.05303	0.0001934	6.69E-08	2.02E-07	1.60E-07	1.38E-07	6.21E-08	2.24E-09	5.40E-08	3.79E-08	3.28E-08	9.80E-09	1.37E-07
490086.72, 3861035.12	0.03808	0.0001389	4.81E-08	1.45E-07	1.15E-07	9.92E-08	4.46E-08	1.61E-09	3.88E-08	2.72E-08	2.36E-08	7.04E-09	9.82E-08
490136.72, 3861035.12	0.03874	0.0001413	4.89E-08	1.48E-07	1.17E-07	1.01E-07	4.54E-08	1.63E-09	3.94E-08	2.77E-08	2.40E-08	7.16E-09	9.99E-08
490186.72, 3861035.12	0.03953	0.0001442	4.99E-08	1.51E-07	1.19E-07	1.03E-07	4.63E-08	1.67E-09	4.03E-08	2.83E-08	2.45E-08	7.30E-09	1.02E-07
490236.72, 3861035.12	0.0402	0.0001466	5.07E-08	1.53E-07	1.21E-07	1.05E-07	4.71E-08	1.69E-09	4.09E-08	2.88E-08	2.49E-08	7.43E-09	1.04E-07
490286.72, 3861035.12	0.04127	0.0001505	5.21E-08	1.57E-07	1.24E-07	1.08E-07	4.83E-08	1.74E-09	4.20E-08	2.95E-08	2.55E-08	7.63E-09	1.06E-07
490336.72, 3861035.12	0.04226	0.0001541	5.33E-08	1.61E-07	1.27E-07	1.10E-07	4.95E-08	1.78E-09	4.30E-08	3.02E-08	2.62E-08	7.81E-09	1.09E-07
490386.72, 3861035.12	0.04272	0.0001558	5.39E-08	1.63E-07	1.29E-07	1.11E-07	5.00E-08	1.80E-09	4.35E-08	3.06E-08	2.64E-08	7.89E-09	1.10E-07
490436.72, 3861035.12	0.0432	0.0001575	5.45E-08	1.65E-07	1.30E-07	1.13E-07	5.06E-08	1.82E-09	4.40E-08	3.09E-08	2.67E-08	7.98E-09	1.11E-07
490486.72, 3861035.12	0.04417	0.0001611	5.58E-08	1.68E-07	1.33E-07	1.15E-07	5.17E-08	1.86E-09	4.50E-08	3.16E-08	2.73E-08	8.16E-09	1.14E-07
490536.72, 3861035.12	0.0454	0.0001656	5.73E-08	1.73E-07	1.37E-07	1.18E-07	5.32E-08	1.91E-09	4.62E-08	3.25E-08	2.81E-08	8.39E-09	1.17E-07
490586.72, 3861035.12	0.04677	0.0001706	5.90E-08	1.78E-07	1.41E-07	1.22E-07	5.48E-08	1.97E-09	4.76E-08	3.35E-08	2.89E-08	8.64E-09	1.21E-07
490636.72, 3861035.12	0.04823	0.0001759	6.09E-08	1.84E-07	1.45E-07	1.26E-07	5.65E-08	2.03E-09	4.91E-08	3.45E-08	2.99E-08	8.91E-09	1.24E-07
490686.72, 3861035.12	0.04976	0.0001815	6.28E-08	1.90E-07	1.50E-07	1.30E-07	5.83E-08	2.10E-09	5.07E-08	3.56E-08	3.08E-08	9.19E-09	1.28E-07
490736.72, 3861035.12	0.0513	0.0001871	6.48E-08	1.96E-07	1.54E-07	1.34E-07	6.01E-08	2.16E-09	5.22E-08	3.67E-08	3.18E-08	9.48E-09	1.32E-07
490786.72, 3861035.12	0.05263	0.0001919	6.64E-08	2.01E-07	1.58E-07	1.37E-07	6.17E-08	2.22E-09	5.36E-08	3.76E-08	3.26E-08	9.72E-09	1.36E-07
490836.72, 3861035.12	0.05392	0.0001966	6.81E-08	2.06E-07	1.62E-07	1.40E-07	6.32E-08	2.27E-09	5.49E-08	3.86E-08	3.34E-08	9.96E-09	1.39E-07
490086.72, 3861085.12	0.03889	0.0001418	4.91E-08	1.48E-07	1.17E-07	1.01E-07	4.56E-08	1.64E-09	3.96E-08	2.78E-08	2.41E-08	7.19E-09	1.00E-07

490136.72, 3861085.12	0.0393	0.0001433	4.96E-08	1.50E-07	1.18E-07	1.02E-07	4.60E-08	1.66E-09	4.00E-08	2.81E-08	2.43E-08	7.26E-09	1.01E-07
490186.72, 3861085.12	0.03965	0.0001446	5.01E-08	1.51E-07	1.19E-07	1.03E-07	4.64E-08	1.67E-09	4.04E-08	2.84E-08	2.45E-08	7.33E-09	1.02E-07
490236.72, 3861085.12	0.04075	0.0001486	5.14E-08	1.55E-07	1.23E-07	1.06E-07	4.77E-08	1.72E-09	4.15E-08	2.92E-08	2.52E-08	7.53E-09	1.05E-07
490286.72, 3861085.12	0.04179	0.0001524	5.28E-08	1.59E-07	1.26E-07	1.09E-07	4.90E-08	1.76E-09	4.26E-08	2.99E-08	2.59E-08	7.72E-09	1.08E-07
490336.72, 3861085.12	0.04287	0.0001563	5.41E-08	1.63E-07	1.29E-07	1.12E-07	5.02E-08	1.81E-09	4.37E-08	3.07E-08	2.65E-08	7.92E-09	1.11E-07
490386.72, 3861085.12	0.04344	0.0001584	5.48E-08	1.66E-07	1.31E-07	1.13E-07	5.09E-08	1.83E-09	4.42E-08	3.11E-08	2.69E-08	8.03E-09	1.12E-07
490436.72, 3861085.12	0.04431	0.0001616	5.59E-08	1.69E-07	1.33E-07	1.15E-07	5.19E-08	1.87E-09	4.51E-08	3.17E-08	2.74E-08	8.19E-09	1.14E-07
490486.72, 3861085.12	0.04526	0.000165	5.71E-08	1.73E-07	1.36E-07	1.18E-07	5.30E-08	1.91E-09	4.61E-08	3.24E-08	2.80E-08	8.36E-09	1.17E-07
490536.72, 3861085.12	0.04601	0.0001678	5.81E-08	1.75E-07	1.39E-07	1.20E-07	5.39E-08	1.94E-09	4.68E-08	3.29E-08	2.85E-08	8.50E-09	1.19E-07
490586.72, 3861085.12	0.04744	0.000173	5.99E-08	1.81E-07	1.43E-07	1.24E-07	5.56E-08	2.00E-09	4.83E-08	3.39E-08	2.94E-08	8.77E-09	1.22E-07
490636.72, 3861085.12	0.04922	0.0001795	6.21E-08	1.88E-07	1.48E-07	1.28E-07	5.77E-08	2.07E-09	5.01E-08	3.52E-08	3.05E-08	9.09E-09	1.27E-07
490686.72, 3861085.12	0.05077	0.0001851	6.41E-08	1.94E-07	1.53E-07	1.32E-07	5.95E-08	2.14E-09	5.17E-08	3.63E-08	3.14E-08	9.38E-09	1.31E-07
490736.72, 3861085.12	0.05216	0.0001902	6.58E-08	1.99E-07	1.57E-07	1.36E-07	6.11E-08	2.20E-09	5.31E-08	3.73E-08	3.23E-08	9.64E-09	1.35E-07
490786.72, 3861085.12	0.05357	0.0001954	6.76E-08	2.04E-07	1.61E-07	1.40E-07	6.28E-08	2.26E-09	5.45E-08	3.83E-08	3.32E-08	9.90E-09	1.38E-07
490836.72, 3861085.12	0.05502	0.0002006	6.95E-08	2.10E-07	1.66E-07	1.43E-07	6.45E-08	2.32E-09	5.60E-08	3.94E-08	3.41E-08	1.02E-08	1.42E-07
490086.72, 3861135.12	0.03975	0.000145	5.02E-08	1.52E-07	1.20E-07	1.04E-07	4.66E-08	1.68E-09	4.05E-08	2.84E-08	2.46E-08	7.34E-09	1.03E-07
490136.72, 3861135.12	0.0403	0.000147	5.09E-08	1.54E-07	1.21E-07	1.05E-07	4.72E-08	1.70E-09	4.10E-08	2.88E-08	2.49E-08	7.45E-09	1.04E-07
490186.72, 3861135.12	0.04078	0.0001487	5.15E-08	1.55E-07	1.23E-07	1.06E-07	4.78E-08	1.72E-09	4.15E-08	2.92E-08	2.52E-08	7.54E-09	1.05E-07
490236.72, 3861135.12	0.04143	0.0001511	5.23E-08	1.58E-07	1.25E-07	1.08E-07	4.85E-08	1.75E-09	4.22E-08	2.96E-08	2.56E-08	7.66E-09	1.07E-07
490286.72, 3861135.12	0.04232	0.0001543	5.34E-08	1.61E-07	1.27E-07	1.10E-07	4.96E-08	1.78E-09	4.31E-08	3.03E-08	2.62E-08	7.82E-09	1.09E-07
490336.72, 3861135.12	0.04339	0.0001582	5.48E-08	1.65E-07	1.31E-07	1.13E-07	5.08E-08	1.83E-09	4.42E-08	3.10E-08	2.69E-08	8.02E-09	1.12E-07
490386.72, 3861135.12	0.04423	0.0001613	5.58E-08	1.69E-07	1.33E-07	1.15E-07	5.18E-08	1.86E-09	4.50E-08	3.16E-08	2.74E-08	8.17E-09	1.14E-07
490436.72, 3861135.12	0.04523	0.0001649	5.71E-08	1.72E-07	1.36E-07	1.18E-07	5.30E-08	1.91E-09	4.61E-08	3.24E-08	2.80E-08	8.36E-09	1.17E-07
490486.72, 3861135.12	0.04615	0.0001683	5.83E-08	1.76E-07	1.39E-07	1.20E-07	5.41E-08	1.95E-09	4.70E-08	3.30E-08	2.86E-08	8.53E-09	1.19E-07
490536.72, 3861135.12	0.04716	0.000172	5.95E-08	1.80E-07	1.42E-07	1.23E-07	5.52E-08	1.99E-09	4.80E-08	3.37E-08	2.92E-08	8.71E-09	1.22E-07
490586.72, 3861135.12	0.04845	0.0001767	6.12E-08	1.85E-07	1.46E-07	1.26E-07	5.68E-08	2.04E-09	4.93E-08	3.47E-08	3.00E-08	8.95E-09	1.25E-07
490636.72, 3861135.12	0.05014	0.0001828	6.33E-08	1.91E-07	1.51E-07	1.31E-07	5.87E-08	2.11E-09	5.11E-08	3.59E-08	3.10E-08	9.26E-09	1.29E-07
490686.72, 3861135.12	0.05155	0.000188	6.51E-08	1.96E-07	1.55E-07	1.34E-07	6.04E-08	2.17E-09	5.25E-08	3.69E-08	3.19E-08	9.52E-09	1.33E-07
490736.72, 3861135.12	0.0529	0.0001929	6.68E-08	2.02E-07	1.59E-07	1.38E-07	6.20E-08	2.23E-09	5.39E-08	3.78E-08	3.27E-08	9.77E-09	1.36E-07
490786.72, 3861135.12	0.05437	0.0001983	6.86E-08	2.07E-07	1.64E-07	1.42E-07	6.37E-08	2.29E-09	5.54E-08	3.89E-08	3.37E-08	1.00E-08	1.40E-07
490836.72, 3861135.12	0.056	0.0002042	7.07E-08	2.13E-07	1.69E-07	1.46E-07	6.56E-08	2.36E-09	5.70E-08	4.01E-08	3.47E-08	1.03E-08	1.44E-07
490086.72, 3861185.12	0.04057	0.0001479	5.12E-08	1.55E-07	1.22E-07	1.06E-07	4.75E-08	1.71E-09	4.13E-08	2.90E-08	2.51E-08	7.50E-09	1.05E-07
490136.72, 3861185.12	0.0415	0.0001513	5.24E-08	1.58E-07	1.25E-07	1.08E-07	4.86E-08	1.75E-09	4.23E-08	2.97E-08	2.57E-08	7.67E-09	1.07E-07
490186.72, 3861185.12	0.04217	0.0001538	5.32E-08	1.61E-07	1.27E-07	1.10E-07	4.94E-08	1.78E-09	4.29E-08	3.02E-08	2.61E-08	7.79E-09	1.09E-07
490236.72, 3861185.12	0.04279	0.000156	5.40E-08	1.63E-07	1.29E-07	1.11E-07	5.01E-08	1.80E-09	4.36E-08	3.06E-08	2.65E-08	7.91E-09	1.10E-07
490286.72, 3861185.12	0.04324	0.0001577	5.46E-08	1.65E-07	1.30E-07	1.13E-07	5.07E-08	1.82E-09	4.40E-08	3.09E-08	2.68E-08	7.99E-09	1.12E-07
490336.72, 3861185.12	0.04473	0.0001631	5.65E-08	1.70E-07	1.35E-07	1.17E-07	5.24E-08	1.89E-09	4.55E-08	3.20E-08	2.77E-08	8.26E-09	1.15E-07
490386.72, 3861185.12	0.04557	0.0001662	5.75E-08	1.74E-07	1.37E-07	1.19E-07	5.34E-08	1.92E-09	4.64E-08	3.26E-08	2.82E-08	8.42E-09	1.18E-07
490436.72, 3861185.12	0.04621	0.0001685	5.83E-08	1.76E-07	1.39E-07	1.20E-07	5.41E-08	1.95E-09	4.71E-08	3.31E-08	2.86E-08	8.54E-09	1.19E-07
490486.72, 3861185.12	0.04726	0.0001723	5.97E-08	1.80E-07	1.42E-07	1.23E-07	5.54E-08	1.99E-09	4.81E-08	3.38E-08	2.93E-08	8.73E-09	1.22E-07
490536.72, 3861185.12	0.04768	0.0001739	6.02E-08	1.82E-07	1.44E-07	1.24E-07	5.59E-08	2.01E-09	4.85E-08	3.41E-08	2.95E-08	8.81E-09	1.23E-07
490586.72, 3861185.12	0.04917	0.0001793	6.21E-08	1.87E-07	1.48E-07	1.28E-07	5.76E-08	2.07E-09	5.01E-08	3.52E-08	3.04E-08	9.09E-09	1.27E-07
490636.72, 3861185.12	0.05121	0.0001867	6.46E-08	1.95E-07	1.54E-07	1.33E-07	6.00E-08	2.16E-09	5.21E-08	3.66E-08	3.17E-08	9.46E-09	1.32E-07
490686.72, 3861185.12	0.05267	0.0001921	6.65E-08	2.01E-07	1.59E-07	1.37E-07	6.17E-08	2.22E-09	5.36E-08	3.77E-08	3.26E-08	9.73E-09	1.36E-07
490736.72, 3861185.12	0.05376	0.000196	6.79E-08	2.05E-07	1.62E-07	1.40E-07	6.30E-08	2.27E-09	5.47E-08	3.85E-08	3.33E-08	9.93E-09	1.39E-07
490786.72, 3861185.12	0.0551	0.0002009	6.96E-08	2.10E-07	1.66E-07	1.44E-07	6.45E-08	2.32E-09	5.61E-08	3.94E-08	3.41E-08	1.02E-08	1.42E-07
490836.72, 3861185.12	0.0567	0.0002068	7.16E-08	2.16E-07	1.71E-07	1.48E-07	6.64E-08	2.39E-09	5.77E-08	4.06E-08	3.51E-08	1.05E-08	1.46E-07
490086.72, 3861235.12	0.04147	0.0001512	5.23E-08	1.58E-07	1.25E-07	1.08E-07	4.86E-08	1.75E-09	4.22E-08	2.97E-08	2.57E-08	7.66E-09	1.07E-07
490136.72, 3861235.12	0.04236	0.0001545	5.35E-08	1.61E-07	1.28E-07	1.10E-07	4.96E-08	1.79E-09	4.31E-08	3.03E-08	2.62E-08	7.83E-09	1.09E-07
490186.72, 3861235.12	0.04302	0.0001569	5.43E-08	1.64E-07	1.30E-07	1.12E-07	5.04E-08	1.81E-09	4.38E-08	3.08E-08	2.66E-08	7.95E-09	1.11E-07
490236.72, 3861235.12	0.04403	0.0001606	5.56E-08	1.68E-07	1.33E-07	1.15E-07	5.16E-08	1.86E-09	4.48E-08	3.15E-08	2.73E-08	8.14E-09	1.14E-07
490386.72, 3861235.12	0.04689	0.000171	5.92E-08	1.79E-07	1.41E-07	1.22E-07	5.49E-08	1.98E-09	4.77E-08	3.35E-08	2.90E-08	8.66E-09	1.21E-07
490436.72, 3861235.12	0.04799	0.000175	6.06E-08	1.83E-07	1.44E-07	1.25E-07	5.62E-08	2.02E-09	4.89E-08	3.43E-08	2.97E-08	8.87E-09	1.24E-07
490486.72, 3861235.12	0.04902	0.0001788	6.19E-08	1.87E-07	1.48E-07	1.28E-07	5.74E-08	2.07E-09	4.99E-08	3.51E-08	3.03E-08	9.06E-09	1.26E-07
490536.72, 3861235.12	0.04907	0.0001789	6.19E-08	1.87E-07	1.48E-07	1.28E-07	5.75E-08	2.07E-09	5.00E-08	3.51E-08	3.04E-08	9.07E-09	1.27E-07
490586.72, 3861235.12	0.04961	0.0001809	6.26E-08	1.89E-07	1.49E-07	1.29E-07	5.81E-08	2.09E-09	5.05E-08	3.55E-08	3.07E-08	9.17E-09	1.28E-07
490636.72, 3861235.12	0.05225	0.0001905	6.60E-08	1.99E-07	1.57E-07	1.36E-07	6.12E-08	2.20E-09	5.32E-08	3.74E-08	3.23E-08	9.65E-09	1.35E-07
490686.72, 3861235.12	0.05364	0.0001956	6.77E-08	2.04E-07	1.61E-07	1.40E-07	6.28E-08	2.26E-09	5.46E-08	3.84E-08	3.32E-08	9.91E-09	1.38E-07
490736.72, 3861235.12	0.05468	0.0001994	6.90E-08	2.08E-07	1.65E-07	1.42E-07	6.41E-08	2.30E-09	5.57E-08	3.91E-08	3.38E-08	1.01E-08	1.41E-07
490786.72, 3861235.12	0.05576	0.0002033	7.04E-08	2.13E-07	1.68E-07	1.45E-07	6.53E-08	2.35E-09	5.68E-08	3.99E-08	3.45E-08	1.03E-08	1.44E-07
490836.72, 3861235.12	0.05732	0.000209	7.24E-08	2.18E-07	1.73E-07	1.49E-07	6.71E-08	2.42E-09	5.84E-08	4.10E-08	3.55E-08	1.06E-08	1.48E-07
490086.72, 3861285.12	0.04207	0.0001534	5.31E-08	1.60E-07	1.27E-07	1.10E-07	4.93E-08	1.77E-09	4.28E-08	3.01E-08	2.60E-08	7.77E-09	1.09E-07
490136.72, 3861285.12	0.04255	0.0001552	5.37E-08	1.62E-07	1.28E-07	1.11E-07	4.98E-08	1.79E-09	4.33E-08	3.04E-08	2.63E-08	7.86E-09	1.10E-07
490186.72, 3861285.12	0.04378	0.0001597	5.53E-08	1.67E-07	1.32E-07	1.14E-07	5.13E-08	1.85E-09	4.46E-08	3.13E-08	2.71E-08	8.09E-09	1.13E-07
490236.72, 3861285.12	0.04479	0.0001633	5.65E-08	1.71E-07	1.35E-07	1.17E-07	5.25E-08	1.89E-09	4.56E-08	3.20E-08	2.77E-08	8.28E-09	1.16E-07
490386.72, 3861285.12	0.0478	0.0001743	6.03E-08	1.82E-07	1.44E-07	1.25E-07	5.60E-08	2.01E-09	4.87E-08	3.42E-08	2.96E-08	8.83E-09	1.23E-07
490436.72, 3861285.12	0.04863	0.0001773	6.14E-08	1.85E-07	1.46E-07	1.27E-07	5.70E-08	2.05E-09	4.95E-08	3.48E-08	3.01E-08	8.99E-09	1.25E-07
490486.72, 3861285.12	0.04986	0.0001818	6.29E-08	1.90E-07	1.50E-07	1.30E-07	5.84E-08	2.10E-09	5.08E-08	3.57E-08	3.09E-08	9.21E-09	1.29E-07
490536.72, 3861285.12	0.05084	0.0001854	6.42E-08	1.94E-07	1.53E-07	1.32E-07	5.96E-08	2.14E-09	5.18E-08	3.64E-08	3.15E-08	9.39E-09	1.31E-07
490586.72, 3861285.12	0.05168	0.0001885	6.52E-08	1.97E-07	1.56E-07	1.35E-07	6.05E-08	2.18E-09	5.26E-08	3.70E-08	3.20E-08	9.55E-09	1.33E-07
490636.72, 3861285.12	0.05348	0.000195	6.75E-08	2.04E-07	1.61E-07	1.39E-07	6.26E-08	2.25E-09	5.45E-08	3.83E-08	3.31E-08	9.88E-09	1.38E-07
490686.72, 3861285.12	0.05474	0.0001996	6.91E-08	2.09E-07	1.65E-07	1.43E-07	6.41E-08	2.31E-09	5.57E-08	3.92E-08	3.39E-08	1.01E-08	1.41E-07
490736.72, 3861285.12	0.05526	0.0002015	6.98E-08	2.11E-07	1.66E-07	1.44E-07	6.47E-08	2.33E-09	5.63E-08	3.95E-08	3.42E-08	1.02E-08	1.43E-07
490786.72, 3861285.12	0.0567	0.0002068	7.16E-08	2.16E-07	1.71E-07	1.48E-07	6.64E-08	2.39E-09	5.77E-08	4.06E-08	3.51E-08	1.05E-08	1.46E-07
490836.72, 3861285.12	0.05853	0.0002134	7.39E-08	2.23E-07	1.76E-07	1.52E-07	6.86E-08	2.47E-09	5.96E-08	4.19E-08	3.62E-08	1.08E-08	1.51E-07
490061.24, 3859716.13	0.0288	0.000105	3.64E-08	1.10E-07	8.67E-08	7.50E-08	3.37E-08	1.21E-09	2.93E-08	2.06E-08	1.78E-08	5.32E-09	7.43E-08
490111.24, 3859716.13	0.02923	0.0001066	3.69E-08	1.11E-07	8.80E-08	7.61E-08	3.42E-08	1.23E-09	2.98E-08	2.09E-08	1.81E-08	5.40E-09	7.54E-08
490161.24, 3859716.13	0.0298	0.0001087	3.76E-08	1.14E-07	8.97E-08	7.76E-08	3.49E-08	1.26E-09	3.03E-08	2.13E-08	1.84E-08	5.51E-09	7.69E-08
490211.24, 3859716.13	0.03052	0.0001113	3.85E-08	1.16E-07	9.19E-08	7.95E-08	3.58E-08	1.29E-09	3.11E-08	2.18E-08	1.89E-08	5.64E-09	7.87E-08
490061.24, 3859766.13	0.02859	0.0001043	3.61E-08	1.09E-07	8.61E-08	7.45E-08	3.35E-08	1.21E-09	2.91E-08	2.05E-08	1.77E-08	5.28E-09	7.37E-08

490111.24, 3859766.13	0.02935	0.000107	3.70E-08	1.12E-07	8.84E-08	7.65E-08	3.44E-08	1.24E-09	2.99E-08	2.10E-08	1.82E-08	5.42E-09	7.57E-08
490161.24, 3859766.13	0.03018	0.0001101	3.81E-08	1.15E-07	9.09E-08	7.86E-08	3.54E-08	1.27E-09	3.07E-08	2.16E-08	1.87E-08	5.58E-09	7.78E-08
490211.24, 3859766.13	0.03083	0.0001124	3.89E-08	1.18E-07	9.28E-08	8.03E-08	3.61E-08	1.30E-09	3.14E-08	2.21E-08	1.91E-08	5.70E-09	7.95E-08
490061.24, 3859816.13	0.02829	0.0001032	3.57E-08	1.08E-07	8.52E-08	7.37E-08	3.31E-08	1.19E-09	2.88E-08	2.02E-08	1.75E-08	5.23E-09	7.30E-08
490111.24, 3859816.13	0.02928	0.0001068	3.70E-08	1.12E-07	8.82E-08	7.63E-08	3.43E-08	1.23E-09	2.98E-08	2.09E-08	1.81E-08	5.41E-09	7.55E-08
490161.24, 3859816.13	0.03013	0.0001099	3.80E-08	1.15E-07	9.07E-08	7.85E-08	3.53E-08	1.27E-09	3.07E-08	2.16E-08	1.86E-08	5.57E-09	7.77E-08
490211.24, 3859816.13	0.03098	0.000113	3.91E-08	1.18E-07	9.33E-08	8.07E-08	3.63E-08	1.31E-09	3.15E-08	2.22E-08	1.92E-08	5.72E-09	7.99E-08
490061.24, 3859866.13	0.02782	0.0001015	3.51E-08	1.06E-07	8.38E-08	7.25E-08	3.26E-08	1.17E-09	2.83E-08	1.99E-08	1.72E-08	5.14E-09	7.18E-08
490111.24, 3859866.13	0.02879	0.000105	3.63E-08	1.10E-07	8.67E-08	7.50E-08	3.37E-08	1.21E-09	2.93E-08	2.06E-08	1.78E-08	5.32E-09	7.43E-08
490161.24, 3859866.13	0.02967	0.0001082	3.75E-08	1.13E-07	8.93E-08	7.73E-08	3.48E-08	1.25E-09	3.02E-08	2.12E-08	1.84E-08	5.48E-09	7.65E-08
490211.24, 3859866.13	0.03055	0.0001114	3.86E-08	1.16E-07	9.20E-08	7.96E-08	3.58E-08	1.29E-09	3.11E-08	2.19E-08	1.89E-08	5.64E-09	7.88E-08
490061.24, 3859916.13	0.02736	9.977E-05	3.45E-08	1.04E-07	8.24E-08	7.13E-08	3.21E-08	1.15E-09	2.79E-08	1.96E-08	1.69E-08	5.06E-09	7.06E-08
490111.24, 3859916.13	0.02818	0.0001028	3.56E-08	1.07E-07	8.48E-08	7.34E-08	3.30E-08	1.19E-09	2.87E-08	2.02E-08	1.74E-08	5.21E-09	7.27E-08
490161.24, 3859916.13	0.02912	0.0001062	3.68E-08	1.11E-07	8.77E-08	7.59E-08	3.41E-08	1.23E-09	2.97E-08	2.08E-08	1.80E-08	5.38E-09	7.51E-08
490211.24, 3859916.13	0.03017	0.00011	3.81E-08	1.15E-07	9.08E-08	7.86E-08	3.53E-08	1.27E-09	3.07E-08	2.16E-08	1.87E-08	5.57E-09	7.78E-08
490229.25, 3859815.26	0.0311	0.0001134	3.93E-08	1.19E-07	9.36E-08	8.10E-08	3.64E-08	1.31E-09	3.17E-08	2.22E-08	1.93E-08	5.75E-09	8.02E-08
490279.25, 3859815.26	0.03198	0.0001166	4.04E-08	1.22E-07	9.63E-08	8.33E-08	3.75E-08	1.35E-09	3.26E-08	2.29E-08	1.98E-08	5.91E-09	8.25E-08
490329.25, 3859815.26	0.03283	0.0001197	4.14E-08	1.25E-07	9.88E-08	8.55E-08	3.85E-08	1.38E-09	3.34E-08	2.35E-08	2.03E-08	6.07E-09	8.47E-08
490379.25, 3859815.26	0.0331	0.0001207	4.18E-08	1.26E-07	9.97E-08	8.62E-08	3.88E-08	1.40E-09	3.37E-08	2.37E-08	2.05E-08	6.12E-09	8.54E-08
490429.25, 3859815.26	0.03287	0.0001199	4.15E-08	1.25E-07	9.90E-08	8.56E-08	3.85E-08	1.39E-09	3.35E-08	2.35E-08	2.03E-08	6.07E-09	8.48E-08
490229.25, 3859865.26	0.03087	0.0001126	3.90E-08	1.18E-07	9.29E-08	8.04E-08	3.62E-08	1.30E-09	3.14E-08	2.21E-08	1.91E-08	5.70E-09	7.96E-08
490279.25, 3859865.26	0.03185	0.0001161	4.02E-08	1.21E-07	9.59E-08	8.30E-08	3.73E-08	1.34E-09	3.24E-08	2.28E-08	1.97E-08	5.88E-09	8.22E-08
490329.25, 3859865.26	0.03282	0.0001197	4.14E-08	1.25E-07	9.88E-08	8.55E-08	3.84E-08	1.38E-09	3.34E-08	2.35E-08	2.03E-08	6.06E-09	8.47E-08
490379.25, 3859865.26	0.0335	0.0001222	4.23E-08	1.28E-07	1.01E-07	8.73E-08	3.92E-08	1.41E-09	3.41E-08	2.40E-08	2.07E-08	6.19E-09	8.64E-08
490429.25, 3859865.26	0.03395	0.0001238	4.29E-08	1.29E-07	1.02E-07	8.84E-08	3.98E-08	1.43E-09	3.46E-08	2.43E-08	2.10E-08	6.27E-09	8.76E-08
490229.25, 3859915.26	0.03047	0.0001111	3.85E-08	1.16E-07	9.17E-08	7.94E-08	3.57E-08	1.28E-09	3.10E-08	2.18E-08	1.89E-08	5.63E-09	7.86E-08
490279.25, 3859915.26	0.03167	0.0001155	4.00E-08	1.21E-07	9.54E-08	8.25E-08	3.71E-08	1.33E-09	3.22E-08	2.27E-08	1.96E-08	5.85E-09	8.17E-08
490329.25, 3859915.26	0.03268	0.0001192	4.13E-08	1.25E-07	9.84E-08	8.51E-08	3.83E-08	1.38E-09	3.33E-08	2.34E-08	2.02E-08	6.04E-09	8.43E-08
490379.25, 3859915.26	0.03355	0.0001223	4.24E-08	1.28E-07	1.01E-07	8.74E-08	3.93E-08	1.41E-09	3.42E-08	2.40E-08	2.08E-08	6.20E-09	8.65E-08
490429.25, 3859915.26	0.03444	0.0001256	4.35E-08	1.31E-07	1.04E-07	8.97E-08	4.03E-08	1.45E-09	3.51E-08	2.46E-08	2.13E-08	6.36E-09	8.88E-08
490451.43, 3859872.59	0.03434	0.0001252	4.33E-08	1.31E-07	1.03E-07	8.95E-08	4.02E-08	1.45E-09	3.50E-08	2.46E-08	2.13E-08	6.35E-09	8.86E-08
490501.43, 3859872.59	0.03428	0.000125	4.33E-08	1.31E-07	1.03E-07	8.93E-08	4.02E-08	1.45E-09	3.49E-08	2.45E-08	2.12E-08	6.33E-09	8.84E-08
490551.43, 3859872.59	0.03346	0.000122	4.22E-08	1.28E-07	1.01E-07	8.72E-08	3.92E-08	1.41E-09	3.41E-08	2.39E-08	2.07E-08	6.18E-09	8.63E-08
490601.43, 3859872.59	0.03266	0.0001191	4.12E-08	1.24E-07	9.83E-08	8.51E-08	3.83E-08	1.38E-09	3.33E-08	2.34E-08	2.02E-08	6.03E-09	8.42E-08
490451.43, 3859922.59	0.0348	0.0001269	4.39E-08	1.33E-07	1.05E-07	9.07E-08	4.08E-08	1.47E-09	3.54E-08	2.49E-08	2.15E-08	6.43E-09	8.98E-08
490501.43, 3859922.59	0.03527	0.0001286	4.45E-08	1.34E-07	1.06E-07	9.19E-08	4.13E-08	1.49E-09	3.59E-08	2.52E-08	2.18E-08	6.52E-09	9.10E-08
490551.43, 3859922.59	0.03494	0.0001274	4.41E-08	1.33E-07	1.05E-07	9.10E-08	4.09E-08	1.47E-09	3.56E-08	2.50E-08	2.16E-08	6.46E-09	9.01E-08
490601.43, 3859922.59	0.0342	0.0001247	4.32E-08	1.30E-07	1.03E-07	8.91E-08	4.01E-08	1.44E-09	3.48E-08	2.45E-08	2.12E-08	6.32E-09	8.82E-08
482129.67, 3852241.07	0.00425	1.55E-05	5.36E-09	1.62E-08	1.28E-08	1.11E-08	4.98E-09	1.79E-10	4.33E-09	3.04E-09	2.63E-09	7.85E-10	1.10E-08
482029.67, 3852291.07	0.00457	1.667E-05	5.77E-09	1.74E-08	1.38E-08	1.19E-08	5.35E-09	1.93E-10	4.65E-09	3.27E-09	2.83E-09	8.44E-10	1.18E-08
482079.67, 3852291.07	0.00449	1.637E-05	5.67E-09	1.71E-08	1.35E-08	1.17E-08	5.26E-09	1.89E-10	4.57E-09	3.21E-09	2.78E-09	8.30E-10	1.16E-08
482129.67, 3852291.07	0.0044	1.605E-05	5.55E-09	1.68E-08	1.32E-08	1.15E-08	5.15E-09	1.85E-10	4.48E-09	3.15E-09	2.72E-09	8.13E-10	1.13E-08
482179.67, 3852291.07	0.00425	1.55E-05	5.36E-09	1.62E-08	1.28E-08	1.11E-08	4.98E-09	1.79E-10	4.33E-09	3.04E-09	2.63E-09	7.85E-10	1.10E-08
482229.67, 3852291.07	0.00405	1.477E-05	5.11E-09	1.54E-08	1.22E-08	1.06E-08	4.74E-09	1.71E-10	4.12E-09	2.90E-09	2.51E-09	7.48E-10	1.04E-08
482029.67, 3852341.07	0.00473	1.725E-05	5.97E-09	1.80E-08	1.42E-08	1.23E-08	5.54E-09	1.99E-10	4.82E-09	3.38E-09	2.93E-09	8.74E-10	1.22E-08
482079.67, 3852341.07	0.00465	1.696E-05	5.87E-09	1.77E-08	1.40E-08	1.21E-08	5.45E-09	1.96E-10	4.73E-09	3.33E-09	2.88E-09	8.59E-10	1.20E-08
482129.67, 3852341.07	0.00457	1.667E-05	5.77E-09	1.74E-08	1.38E-08	1.19E-08	5.35E-09	1.93E-10	4.65E-09	3.27E-09	2.83E-09	8.44E-10	1.18E-08
482179.67, 3852341.07	0.00444	1.619E-05	5.60E-09	1.69E-08	1.34E-08	1.16E-08	5.20E-09	1.87E-10	4.52E-09	3.18E-09	2.75E-09	8.20E-10	1.15E-08
482259.06, 3852400.14	0.00459	1.674E-05	5.79E-09	1.75E-08	1.38E-08	1.20E-08	5.38E-09	1.93E-10	4.67E-09	3.28E-09	2.84E-09	8.48E-10	1.18E-08
482309.06, 3852400.14	0.00427	1.557E-05	5.39E-09	1.63E-08	1.29E-08	1.11E-08	5.00E-09	1.80E-10	4.35E-09	3.05E-09	2.64E-09	7.89E-10	1.10E-08
482209.06, 3852450.14	0.00494	1.801E-05	6.24E-09	1.88E-08	1.49E-08	1.29E-08	5.79E-09	2.08E-10	5.03E-09	3.53E-09	3.06E-09	9.13E-10	1.27E-08
482259.06, 3852450.14	0.00482	1.758E-05	6.08E-09	1.84E-08	1.45E-08	1.26E-08	5.65E-09	2.03E-10	4.91E-09	3.45E-09	2.98E-09	8.91E-10	1.24E-08
482309.06, 3852450.14	0.00448	1.634E-05	5.66E-09	1.71E-08	1.35E-08	1.17E-08	5.25E-09	1.89E-10	4.56E-09	3.20E-09	2.77E-09	8.28E-10	1.16E-08
482209.06, 3852500.14	0.00506	1.845E-05	6.39E-09	1.93E-08	1.52E-08	1.32E-08	5.93E-09	2.13E-10	5.15E-09	3.62E-09	3.13E-09	9.35E-10	1.31E-08
482259.06, 3852500.14	0.00494	1.801E-05	6.24E-09	1.88E-08	1.49E-08	1.29E-08	5.79E-09	2.08E-10	5.03E-09	3.53E-09	3.06E-09	9.13E-10	1.27E-08
482309.06, 3852500.14	0.00478	1.743E-05	6.03E-09	1.82E-08	1.44E-08	1.25E-08	5.60E-09	2.01E-10	4.87E-09	3.42E-09	2.96E-09	8.83E-10	1.23E-08
482283.91, 3852513.62	0.00492	1.794E-05	6.21E-09	1.88E-08	1.48E-08	1.28E-08	5.76E-09	2.07E-10	5.01E-09	3.52E-09	3.05E-09	9.09E-10	1.27E-08
482333.91, 3852513.62	0.00468	1.707E-05	5.91E-09	1.78E-08	1.41E-08	1.22E-08	5.48E-09	1.97E-10	4.77E-09	3.35E-09	2.90E-09	8.65E-10	1.21E-08
482283.91, 3852563.62	0.00511	1.863E-05	6.45E-09	1.95E-08	1.54E-08	1.33E-08	5.99E-09	2.15E-10	5.20E-09	3.66E-09	3.16E-09	9.44E-10	1.32E-08
482333.91, 3852563.62	0.00501	1.827E-05	6.32E-09	1.91E-08	1.51E-08	1.31E-08	5.87E-09	2.11E-10	5.10E-09	3.58E-09	3.10E-09	9.26E-10	1.29E-08
482383.91, 3852563.62	0.00483	1.761E-05	6.10E-09	1.84E-08	1.45E-08	1.26E-08	5.66E-09	2.04E-10	4.92E-09	3.46E-09	2.99E-09	8.92E-10	1.25E-08
482283.91, 3852613.62	0.00515	1.878E-05	6.50E-09	1.96E-08	1.55E-08	1.34E-08	6.03E-09	2.17E-10	5.24E-09	3.68E-09	3.19E-09	9.52E-10	1.33E-08
482333.91, 3852613.62	0.00514	1.874E-05	6.49E-09	1.96E-08	1.55E-08	1.34E-08	6.02E-09	2.17E-10	5.23E-09	3.68E-09	3.18E-09	9.50E-10	1.33E-08
482383.91, 3852613.62	0.00511	1.863E-05	6.45E-09	1.95E-08	1.54E-08	1.33E-08	5.99E-09	2.15E-10	5.20E-09	3.66E-09	3.16E-09	9.44E-10	1.32E-08
482602.38, 3852600.87	0.00422	1.539E-05	5.33E-09	1.61E-08	1.27E-08	1.10E-08	4.94E-09	1.78E-10	4.30E-09	3.02E-09	2.61E-09	7.80E-10	1.09E-08
482652.38, 3852600.87	0.00422	1.539E-05	5.33E-09	1.61E-08	1.27E-08	1.10E-08	4.94E-09	1.78E-10	4.30E-09	3.02E-09	2.61E-09	7.80E-10	1.09E-08
482702.38, 3852600.87	0.00396	1.444E-05	5.00E-09	1.51E-08	1.19E-08	1.03E-08	4.64E-09	1.67E-10	4.03E-09	2.83E-09	2.45E-09	7.32E-10	1.02E-08
482552.38, 3852650.87	0.00459	1.674E-05	5.79E-09	1.75E-08	1.38E-08	1.20E-08	5.38E-09	1.93E-10	4.67E-09	3.28E-09	2.84E-09	8.48E-10	1.18E-08
482602.38, 3852650.87	0.00456	1.663E-05	5.76E-09	1.74E-08	1.37E-08	1.19E-08	5.34E-09	1.92E-10	4.64E-09	3.26E-09	2.82E-09	8.43E-10	1.18E-08
482652.38, 3852650.87	0.00446	1.626E-05	5.63E-09	1.70E-08	1.34E-08	1.16E-08	5.22E-09	1.88E-10	4.54E-09	3.19E-09	2.76E-09	8.24E-10	1.15E-08
482702.38, 3852650.87	0.00429	1.564E-05	5.42E-09	1.64E-08	1.29E-08	1.12E-08	5.03E-09	1.81E-10	4.37E-09	3.07E-09	2.66E-09	7.93E-10	1.11E-08
482552.38, 3852700.87	0.00486	1.772E-05	6.14E-09	1.85E-08	1.46E-08	1.27E-08	5.69E-09	2.05E-10	4.95E-09	3.48E-09	3.01E-09	8.98E-10	1.25E-08
482602.38, 3852700.87	0.0048	1.75E-05	6.06E-09	1.83E-08	1.45E-08	1.25E-08	5.62E-09	2.02E-10	4.89E-09	3.43E-09	2.97E-09	8.87E-10	1.24E-08
482652.38, 3852700.87	0.00485	1.769E-05	6.12E-09	1.85E-08	1.46E-08	1.26E-08	5.68E-09	2.04E-10	4.94E-09	3.47E-09	3.00E-09	8.96E-10	1.25E-08
482702.38, 3852700.87	0.0047	1.714E-05	5.93E-09	1.79E-08	1.42E-08	1.22E-08	5.51E-09	1.98E-10	4.79E-09	3.36E-09	2.91E-09	8.68E-10	1.21E-08
482452.38, 3852750.87	0.00522	1.904E-05	6.59E-09	1.99E-08	1.57E-08	1.36E-08	6.11E-09	2.20E-10	5.32E-09	3.73E-09	3.23E-09	9.65E-10	1.35E-08
482521.29, 3852749.74	0.00511	1.863E-05	6.45E-09	1.95E-08	1.54E-08	1.33E-08	5.99E-09	2.15E-10	5.20E-09	3.66E-09	3.16E-09	9.44E-10	1.32E-08
482571.29, 3852749.74	0.00504	1.838E-05	6.36E-09	1.92E-08	1.52E-08	1.31E-08	5.90E-09	2.12E-10	5.13E-09	3.61E-09	3.12E-09	9.31E-10	1.30E-08
482521.29, 3852799.74	0.00527	1.922E-05	6.65E-09	2.01E-08	1.59E-08	1.37E-08	6.17E-09	2.22E-10	5.37E-09	3.77E-09	3.26E-09	9.74E-10	1.36E-08
482571.29, 3852799.74	0.00522	1.904E-05	6.59E-09	1.99E-08	1.57E-08	1.36E-08	6.11E-09	2.20E-10	5.32E-09	3.73E-09	3.23E-09	9.65E-10	1.35E-08

482621.29, 3852799.74	0.00514	1.874E-05	6.49E-09	1.96E-08	1.55E-08	1.34E-08	6.02E-09	2.17E-10	5.23E-09	3.68E-09	3.18E-09	9.50E-10	1.33E-08
482571.29, 3852849.74	0.00529	1.929E-05	6.68E-09	2.02E-08	1.59E-08	1.38E-08	6.20E-09	2.23E-10	5.39E-09	3.78E-09	3.27E-09	9.77E-10	1.36E-08
482621.29, 3852849.74	0.0052	1.896E-05	6.56E-09	1.98E-08	1.57E-08	1.35E-08	6.09E-09	2.19E-10	5.29E-09	3.72E-09	3.22E-09	9.61E-10	1.34E-08
482577.42, 3852901.55	0.00531	1.936E-05	6.70E-09	2.02E-08	1.60E-08	1.38E-08	6.22E-09	2.24E-10	5.41E-09	3.80E-09	3.29E-09	9.81E-10	1.37E-08
482627.42, 3852901.55	0.00522	1.904E-05	6.59E-09	1.99E-08	1.57E-08	1.36E-08	6.11E-09	2.20E-10	5.32E-09	3.73E-09	3.23E-09	9.65E-10	1.35E-08
482629.96, 3852955.85	0.00528	1.925E-05	6.67E-09	2.01E-08	1.59E-08	1.38E-08	6.19E-09	2.23E-10	5.38E-09	3.78E-09	3.27E-09	9.76E-10	1.36E-08
482679.96, 3852955.85	0.00521	1.9E-05	6.58E-09	1.99E-08	1.57E-08	1.36E-08	6.10E-09	2.20E-10	5.30E-09	3.73E-09	3.22E-09	9.63E-10	1.34E-08
482781.63, 3853034.48	0.00511	1.863E-05	6.45E-09	1.95E-08	1.54E-08	1.33E-08	5.99E-09	2.15E-10	5.20E-09	3.66E-09	3.16E-09	9.44E-10	1.32E-08
482831.63, 3853034.48	0.00501	1.827E-05	6.32E-09	1.91E-08	1.51E-08	1.31E-08	5.87E-09	2.11E-10	5.10E-09	3.58E-09	3.10E-09	9.26E-10	1.29E-08
482881.63, 3853034.48	0.00492	1.794E-05	6.21E-09	1.88E-08	1.48E-08	1.28E-08	5.76E-09	2.07E-10	5.01E-09	3.52E-09	3.05E-09	9.09E-10	1.27E-08
482781.63, 3853084.48	0.00518	1.889E-05	6.54E-09	1.97E-08	1.56E-08	1.35E-08	6.07E-09	2.18E-10	5.27E-09	3.71E-09	3.21E-09	9.57E-10	1.34E-08
482831.63, 3853084.48	0.00508	1.853E-05	6.41E-09	1.94E-08	1.53E-08	1.32E-08	5.95E-09	2.14E-10	5.17E-09	3.63E-09	3.14E-09	9.39E-10	1.31E-08
482881.63, 3853084.48	0.00501	1.827E-05	6.32E-09	1.91E-08	1.51E-08	1.31E-08	5.87E-09	2.11E-10	5.10E-09	3.58E-09	3.10E-09	9.26E-10	1.29E-08
482781.63, 3853134.48	0.00526	1.918E-05	6.64E-09	2.00E-08	1.58E-08	1.37E-08	6.16E-09	2.22E-10	5.36E-09	3.76E-09	3.26E-09	9.72E-10	1.36E-08
482831.63, 3853134.48	0.00518	1.889E-05	6.54E-09	1.97E-08	1.56E-08	1.35E-08	6.07E-09	2.18E-10	5.27E-09	3.71E-09	3.21E-09	9.57E-10	1.34E-08
482881.63, 3853134.48	0.00515	1.878E-05	6.50E-09	1.96E-08	1.55E-08	1.34E-08	6.03E-09	2.17E-10	5.24E-09	3.68E-09	3.19E-09	9.52E-10	1.33E-08
482831.63, 3853184.48	0.00526	1.918E-05	6.64E-09	2.00E-08	1.58E-08	1.37E-08	6.16E-09	2.22E-10	5.36E-09	3.76E-09	3.26E-09	9.72E-10	1.36E-08
482881.63, 3853184.48	0.00524	1.911E-05	6.61E-09	2.00E-08	1.58E-08	1.37E-08	6.14E-09	2.21E-10	5.34E-09	3.75E-09	3.24E-09	9.68E-10	1.35E-08
484154.84, 3854250.98	0.00323	1.178E-05	4.08E-09	1.23E-08	9.72E-09	8.41E-09	3.78E-09	1.36E-10	3.29E-09	2.31E-09	2.00E-09	5.97E-10	8.33E-09
484204.84, 3854250.98	0.00323	1.178E-05	4.08E-09	1.23E-08	9.72E-09	8.41E-09	3.78E-09	1.36E-10	3.29E-09	2.31E-09	2.00E-09	5.97E-10	8.33E-09
484154.84, 3854300.98	0.00311	1.134E-05	3.93E-09	1.19E-08	9.36E-09	8.10E-09	3.64E-09	1.31E-10	3.17E-09	2.22E-09	1.93E-09	5.75E-10	8.02E-09
484204.84, 3854300.98	0.00314	1.145E-05	3.96E-09	1.20E-08	9.45E-09	8.18E-09	3.68E-09	1.32E-10	3.20E-09	2.25E-09	1.94E-09	5.80E-10	8.10E-09
484074.19, 3854519.8	0.00286	1.043E-05	3.61E-09	1.09E-08	8.61E-09	7.45E-09	3.35E-09	1.21E-10	2.91E-09	2.05E-09	1.77E-09	5.28E-10	7.38E-09
484124.19, 3854519.8	0.00284	1.036E-05	3.59E-09	1.08E-08	8.55E-09	7.40E-09	3.33E-09	1.20E-10	2.89E-09	2.03E-09	1.76E-09	5.25E-10	7.33E-09
484074.19, 3854569.8	0.00283	1.032E-05	3.57E-09	1.08E-08	8.52E-09	7.37E-09	3.32E-09	1.19E-10	2.88E-09	2.02E-09	1.75E-09	5.23E-10	7.30E-09
484124.19, 3854569.8	0.00278	1.014E-05	3.51E-09	1.06E-08	8.37E-09	7.24E-09	3.26E-09	1.17E-10	2.83E-09	1.99E-09	1.72E-09	5.14E-10	7.17E-09
485205.11, 3855188.89	0.00362	1.32E-05	4.57E-09	1.38E-08	1.09E-08	9.43E-09	4.24E-09	1.53E-10	3.69E-09	2.59E-09	2.24E-09	6.69E-10	9.34E-09
485255.11, 3855188.89	0.00358	1.306E-05	4.52E-09	1.36E-08	1.08E-08	9.33E-09	4.19E-09	1.51E-10	3.65E-09	2.56E-09	2.22E-09	6.61E-10	9.23E-09
485205.11, 3855238.89	0.00357	1.302E-05	4.51E-09	1.36E-08	1.07E-08	9.30E-09	4.18E-09	1.50E-10	3.64E-09	2.55E-09	2.21E-09	6.60E-10	9.21E-09
485255.11, 3855238.89	0.00359	1.309E-05	4.53E-09	1.37E-08	1.08E-08	9.35E-09	4.21E-09	1.51E-10	3.66E-09	2.57E-09	2.22E-09	6.63E-10	9.26E-09
485205.11, 3855288.89	0.00365	1.331E-05	4.61E-09	1.39E-08	1.10E-08	9.51E-09	4.28E-09	1.54E-10	3.72E-09	2.61E-09	2.26E-09	6.74E-10	9.42E-09
485255.11, 3855288.89	0.0037	1.349E-05	4.67E-09	1.41E-08	1.11E-08	9.64E-09	4.33E-09	1.56E-10	3.77E-09	2.65E-09	2.29E-09	6.84E-10	9.54E-09
485255.11, 3855338.89	0.00382	1.393E-05	4.82E-09	1.46E-08	1.15E-08	9.95E-09	4.47E-09	1.61E-10	3.89E-09	2.73E-09	2.36E-09	7.06E-10	9.85E-09
485305.11, 3855338.89	0.00378	1.378E-05	4.77E-09	1.44E-08	1.14E-08	9.85E-09	4.43E-09	1.59E-10	3.85E-09	2.70E-09	2.34E-09	6.98E-10	9.75E-09
485852.5, 3855635.28	0.00417	1.521E-05	5.26E-09	1.59E-08	1.26E-08	1.09E-08	4.88E-09	1.76E-10	4.25E-09	2.98E-09	2.58E-09	7.70E-10	1.08E-08
485902.5, 3855635.28	0.00413	1.506E-05	5.21E-09	1.57E-08	1.24E-08	1.08E-08	4.84E-09	1.74E-10	4.21E-09	2.95E-09	2.56E-09	7.63E-10	1.07E-08
485852.5, 3855685.28	0.0042	1.532E-05	5.30E-09	1.60E-08	1.26E-08	1.09E-08	4.92E-09	1.77E-10	4.28E-09	3.00E-09	2.60E-09	7.76E-10	1.08E-08
485902.5, 3855685.28	0.00416	1.517E-05	5.25E-09	1.59E-08	1.25E-08	1.08E-08	4.87E-09	1.75E-10	4.24E-09	2.98E-09	2.57E-09	7.69E-10	1.07E-08
485852.5, 3855735.28	0.00425	1.55E-05	5.36E-09	1.62E-08	1.28E-08	1.11E-08	4.98E-09	1.79E-10	4.33E-09	3.04E-09	2.63E-09	7.85E-10	1.10E-08
485902.5, 3855735.28	0.00422	1.539E-05	5.33E-09	1.61E-08	1.27E-08	1.10E-08	4.94E-09	1.78E-10	4.30E-09	3.02E-09	2.61E-09	7.80E-10	1.09E-08
485852.5, 3855785.28	0.00434	1.583E-05	5.48E-09	1.65E-08	1.31E-08	1.13E-08	5.08E-09	1.83E-10	4.42E-09	3.10E-09	2.69E-09	8.02E-10	1.12E-08
485902.5, 3855785.28	0.00425	1.55E-05	5.36E-09	1.62E-08	1.28E-08	1.11E-08	4.98E-09	1.79E-10	4.33E-09	3.04E-09	2.63E-09	7.85E-10	1.10E-08
486809.46, 3856465.28	0.00488	1.78E-05	6.16E-09	1.86E-08	1.47E-08	1.27E-08	5.72E-09	2.06E-10	4.97E-09	3.49E-09	3.02E-09	9.02E-10	1.26E-08
486859.46, 3856465.28	0.00493	1.798E-05	6.22E-09	1.88E-08	1.48E-08	1.28E-08	5.78E-09	2.08E-10	5.02E-09	3.53E-09	3.05E-09	9.11E-10	1.27E-08
486909.46, 3856465.28	0.00495	1.805E-05	6.25E-09	1.89E-08	1.49E-08	1.29E-08	5.80E-09	2.09E-10	5.04E-09	3.54E-09	3.06E-09	9.15E-10	1.28E-08
486809.46, 3856515.28	0.00499	1.82E-05	6.30E-09	1.90E-08	1.50E-08	1.30E-08	5.85E-09	2.10E-10	5.08E-09	3.57E-09	3.09E-09	9.22E-10	1.29E-08
486859.46, 3856515.28	0.00504	1.838E-05	6.36E-09	1.92E-08	1.52E-08	1.31E-08	5.90E-09	2.12E-10	5.13E-09	3.61E-09	3.12E-09	9.31E-10	1.30E-08
486909.46, 3856515.28	0.00507	1.849E-05	6.40E-09	1.93E-08	1.53E-08	1.32E-08	5.94E-09	2.14E-10	5.16E-09	3.63E-09	3.14E-09	9.37E-10	1.31E-08
486980.94, 3856357.95	0.00491	1.791E-05	6.20E-09	1.87E-08	1.48E-08	1.28E-08	5.75E-09	2.07E-10	5.00E-09	3.51E-09	3.04E-09	9.07E-10	1.27E-08
487030.94, 3856357.95	0.00498	1.816E-05	6.29E-09	1.90E-08	1.50E-08	1.30E-08	5.83E-09	2.10E-10	5.07E-09	3.56E-09	3.08E-09	9.20E-10	1.28E-08
486980.94, 3856407.95	0.00497	1.812E-05	6.27E-09	1.89E-08	1.50E-08	1.29E-08	5.82E-09	2.10E-10	5.06E-09	3.56E-09	3.08E-09	9.18E-10	1.28E-08
487030.94, 3856407.95	0.00502	1.831E-05	6.34E-09	1.91E-08	1.51E-08	1.31E-08	5.88E-09	2.12E-10	5.11E-09	3.59E-09	3.11E-09	9.28E-10	1.29E-08
487447.18, 3856437.45	0.0057	2.079E-05	7.20E-09	2.17E-08	1.72E-08	1.48E-08	6.68E-09	2.40E-10	5.80E-09	4.08E-09	3.53E-09	1.05E-09	1.47E-08
487497.18, 3856437.45	0.0058	2.115E-05	7.32E-09	2.21E-08	1.75E-08	1.51E-08	6.79E-09	2.44E-10	5.91E-09	4.15E-09	3.59E-09	1.07E-09	1.50E-08
487547.18, 3856437.45	0.00591	2.155E-05	7.46E-09	2.25E-08	1.78E-08	1.54E-08	6.92E-09	2.49E-10	6.02E-09	4.23E-09	3.66E-09	1.09E-09	1.52E-08
487447.18, 3856487.45	0.00574	2.093E-05	7.25E-09	2.19E-08	1.73E-08	1.50E-08	6.72E-09	2.42E-10	5.84E-09	4.11E-09	3.55E-09	1.06E-09	1.48E-08
487497.18, 3856487.45	0.00584	2.13E-05	7.37E-09	2.23E-08	1.76E-08	1.52E-08	6.84E-09	2.46E-10	5.95E-09	4.18E-09	3.61E-09	1.08E-09	1.51E-08
487547.18, 3856487.45	0.00595	2.17E-05	7.51E-09	2.27E-08	1.79E-08	1.55E-08	6.97E-09	2.51E-10	6.06E-09	4.26E-09	3.68E-09	1.10E-09	1.53E-08
487447.18, 3856537.45	0.00579	2.111E-05	7.31E-09	2.21E-08	1.74E-08	1.51E-08	6.78E-09	2.44E-10	5.90E-09	4.14E-09	3.58E-09	1.07E-09	1.49E-08
487497.18, 3856537.45	0.00587	2.141E-05	7.41E-09	2.24E-08	1.77E-08	1.53E-08	6.88E-09	2.47E-10	5.98E-09	4.20E-09	3.63E-09	1.08E-09	1.51E-08
487547.18, 3856537.45	0.00599	2.184E-05	7.56E-09	2.28E-08	1.80E-08	1.56E-08	7.02E-09	2.52E-10	6.10E-09	4.28E-09	3.71E-09	1.11E-09	1.55E-08
489285.89, 3858826.54	0.01646	6.002E-05	2.08E-08	6.27E-08	4.96E-08	4.29E-08	1.93E-08	6.94E-10	1.68E-08	1.18E-08	1.02E-08	3.04E-09	4.25E-08
489335.89, 3858826.54	0.01647	6.006E-05	2.08E-08	6.28E-08	4.96E-08	4.29E-08	1.93E-08	6.94E-10	1.68E-08	1.18E-08	1.02E-08	3.04E-09	4.25E-08
489385.89, 3858826.54	0.0164	5.981E-05	2.07E-08	6.25E-08	4.94E-08	4.27E-08	1.92E-08	6.91E-10	1.67E-08	1.17E-08	1.02E-08	3.03E-09	4.23E-08
489435.89, 3858826.54	0.01641	5.984E-05	2.07E-08	6.25E-08	4.94E-08	4.27E-08	1.92E-08	6.92E-10	1.67E-08	1.17E-08	1.02E-08	3.03E-09	4.23E-08
489485.89, 3858826.54	0.01646	6.002E-05	2.08E-08	6.27E-08	4.96E-08	4.29E-08	1.93E-08	6.94E-10	1.68E-08	1.18E-08	1.02E-08	3.04E-09	4.25E-08
489535.89, 3858826.54	0.01652	6.024E-05	2.09E-08	6.30E-08	4.97E-08	4.30E-08	1.94E-08	6.96E-10	1.68E-08	1.18E-08	1.02E-08	3.05E-09	4.26E-08
489585.89, 3858826.54	0.0166	6.053E-05	2.10E-08	6.33E-08	5.00E-08	4.32E-08	1.94E-08	7.00E-10	1.69E-08	1.19E-08	1.03E-08	3.07E-09	4.28E-08
489635.89, 3858826.54	0.01663	6.064E-05	2.10E-08	6.34E-08	5.01E-08	4.33E-08	1.95E-08	7.01E-10	1.69E-08	1.19E-08	1.03E-08	3.07E-09	4.29E-08
489685.89, 3858826.54	0.01664	6.068E-05	2.10E-08	6.34E-08	5.01E-08	4.33E-08	1.95E-08	7.01E-10	1.69E-08	1.19E-08	1.03E-08	3.07E-09	4.29E-08
489735.89, 3858826.54	0.01663	6.064E-05	2.10E-08	6.34E-08	5.01E-08	4.33E-08	1.95E-08	7.01E-10	1.69E-08	1.19E-08	1.03E-08	3.07E-09	4.29E-08
489785.89, 3858826.54	0.0167	6.09E-05	2.11E-08	6.37E-08	5.03E-08	4.35E-08	1.96E-08	7.04E-10	1.70E-08	1.19E-08	1.03E-08	3.09E-09	4.31E-08
489835.89, 3858826.54	0.01664	6.068E-05	2.10E-08	6.34E-08	5.01E-08	4.33E-08	1.95E-08	7.01E-10	1.69E-08	1.19E-08	1.03E-08	3.07E-09	4.29E-08
489885.89, 3858826.54	0.01671	6.094E-05	2.11E-08	6.37E-08	5.03E-08	4.35E-08	1.96E-08	7.04E-10	1.70E-08	1.20E-08	1.03E-08	3.09E-09	4.31E-08
489935.89, 3858826.54	0.01674	6.105E-05	2.11E-08	6.38E-08	5.04E-08	4.36E-08	1.96E-08	7.06E-10	1.70E-08	1.20E-08	1.04E-08	3.09E-09	4.32E-08
489985.89, 3858826.54	0.01673	6.101E-05	2.11E-08	6.38E-08	5.04E-08	4.36E-08	1.96E-08	7.05E-10	1.70E-08	1.20E-08	1.04E-08	3.09E-09	4.32E-08
490035.89, 3858826.54	0.01659	6.05E-05	2.09E-08	6.32E-08	4.99E-08	4.32E-08	1.94E-08	6.99E-10	1.69E-08	1.19E-08	1.03E-08	3.07E-09	4.28E-08
489285.89, 3858876.54	0.01677	6.115E-05	2.12E-08	6.39E-08	5.05E-08	4.37E-08	1.96E-08	7.07E-10	1.71E-08	1.20E-08	1.04E-08	3.10E-09	4.33E-08
489335.89, 3858876.54	0.01672	6.097E-05	2.11E-08	6.37E-08	5.03E-08	4.36E-08	1.96E-08	7.05E-10	1.70E-08	1.20E-08	1.03E-08	3.09E-09	4.31E-08
489385.89, 3858876.54	0.01671	6.094E-05	2.11E-08	6.37E-08	5.03E-08	4.35E-08	1.96E-08	7.04E-10	1.70E-08	1.20E-08	1.03E-08	3.09E-09	4.31E-08

489435.89, 3858876.54	0.0167	6.09E-05	2.11E-08	6.37E-08	5.03E-08	4.35E-08	1.96E-08	7.04E-10	1.70E-08	1.19E-08	1.03E-08	3.09E-09	4.31E-08
489485.89, 3858876.54	0.01671	6.094E-05	2.11E-08	6.37E-08	5.03E-08	4.35E-08	1.96E-08	7.04E-10	1.70E-08	1.20E-08	1.03E-08	3.09E-09	4.31E-08
489535.89, 3858876.54	0.01673	6.101E-05	2.11E-08	6.38E-08	5.04E-08	4.36E-08	1.96E-08	7.05E-10	1.70E-08	1.20E-08	1.04E-08	3.09E-09	4.32E-08
489585.89, 3858876.54	0.01669	6.086E-05	2.11E-08	6.36E-08	5.02E-08	4.35E-08	1.96E-08	7.04E-10	1.70E-08	1.19E-08	1.03E-08	3.08E-09	4.31E-08
489635.89, 3858876.54	0.01678	6.119E-05	2.12E-08	6.40E-08	5.05E-08	4.37E-08	1.97E-08	7.07E-10	1.71E-08	1.20E-08	1.04E-08	3.10E-09	4.33E-08
489685.89, 3858876.54	0.01682	6.134E-05	2.12E-08	6.41E-08	5.06E-08	4.38E-08	1.97E-08	7.09E-10	1.71E-08	1.20E-08	1.04E-08	3.11E-09	4.34E-08
489735.89, 3858876.54	0.01681	6.13E-05	2.12E-08	6.41E-08	5.06E-08	4.38E-08	1.97E-08	7.09E-10	1.71E-08	1.20E-08	1.04E-08	3.11E-09	4.34E-08
489785.89, 3858876.54	0.01691	6.167E-05	2.13E-08	6.45E-08	5.09E-08	4.41E-08	1.98E-08	7.13E-10	1.72E-08	1.21E-08	1.05E-08	3.12E-09	4.36E-08
489835.89, 3858876.54	0.01691	6.167E-05	2.13E-08	6.45E-08	5.09E-08	4.41E-08	1.98E-08	7.13E-10	1.72E-08	1.21E-08	1.05E-08	3.12E-09	4.36E-08
489885.89, 3858876.54	0.01708	6.229E-05	2.16E-08	6.51E-08	5.14E-08	4.45E-08	2.00E-08	7.20E-10	1.74E-08	1.22E-08	1.06E-08	3.16E-09	4.41E-08
489935.89, 3858876.54	0.01702	6.207E-05	2.15E-08	6.49E-08	5.12E-08	4.43E-08	1.99E-08	7.17E-10	1.73E-08	1.22E-08	1.05E-08	3.14E-09	4.39E-08
489985.89, 3858876.54	0.01691	6.167E-05	2.13E-08	6.45E-08	5.09E-08	4.41E-08	1.98E-08	7.13E-10	1.72E-08	1.21E-08	1.05E-08	3.12E-09	4.36E-08
490035.89, 3858876.54	0.01682	6.134E-05	2.12E-08	6.41E-08	5.06E-08	4.38E-08	1.97E-08	7.09E-10	1.71E-08	1.20E-08	1.04E-08	3.11E-09	4.34E-08
489285.89, 3858926.54	0.01725	6.29E-05	2.18E-08	6.57E-08	5.19E-08	4.49E-08	2.02E-08	7.27E-10	1.76E-08	1.23E-08	1.07E-08	3.19E-09	4.45E-08
489335.89, 3858926.54	0.01716	6.258E-05	2.17E-08	6.54E-08	5.17E-08	4.47E-08	2.01E-08	7.23E-10	1.75E-08	1.23E-08	1.06E-08	3.17E-09	4.43E-08
489385.89, 3858926.54	0.01703	6.21E-05	2.15E-08	6.49E-08	5.13E-08	4.44E-08	1.99E-08	7.18E-10	1.73E-08	1.22E-08	1.05E-08	3.15E-09	4.39E-08
489435.89, 3858926.54	0.01701	6.203E-05	2.15E-08	6.48E-08	5.12E-08	4.43E-08	1.99E-08	7.17E-10	1.73E-08	1.22E-08	1.05E-08	3.14E-09	4.39E-08
489485.89, 3858926.54	0.01698	6.192E-05	2.14E-08	6.47E-08	5.11E-08	4.42E-08	1.99E-08	7.16E-10	1.73E-08	1.21E-08	1.05E-08	3.14E-09	4.38E-08
489535.89, 3858926.54	0.01696	6.185E-05	2.14E-08	6.46E-08	5.11E-08	4.42E-08	1.99E-08	7.15E-10	1.73E-08	1.21E-08	1.05E-08	3.13E-09	4.37E-08
489585.89, 3858926.54	0.01695	6.181E-05	2.14E-08	6.46E-08	5.10E-08	4.42E-08	1.99E-08	7.14E-10	1.73E-08	1.21E-08	1.05E-08	3.13E-09	4.37E-08
489635.89, 3858926.54	0.01698	6.192E-05	2.14E-08	6.47E-08	5.11E-08	4.42E-08	1.99E-08	7.16E-10	1.73E-08	1.21E-08	1.05E-08	3.14E-09	4.38E-08
489685.89, 3858926.54	0.01695	6.181E-05	2.14E-08	6.46E-08	5.10E-08	4.42E-08	1.99E-08	7.14E-10	1.73E-08	1.21E-08	1.05E-08	3.13E-09	4.37E-08
489735.89, 3858926.54	0.01707	6.225E-05	2.15E-08	6.51E-08	5.14E-08	4.45E-08	2.00E-08	7.20E-10	1.74E-08	1.22E-08	1.06E-08	3.15E-09	4.40E-08
489785.89, 3858926.54	0.01722	6.28E-05	2.17E-08	6.56E-08	5.18E-08	4.49E-08	2.02E-08	7.26E-10	1.75E-08	1.23E-08	1.07E-08	3.18E-09	4.44E-08
489835.89, 3858926.54	0.01721	6.276E-05	2.17E-08	6.56E-08	5.18E-08	4.48E-08	2.02E-08	7.25E-10	1.75E-08	1.23E-08	1.07E-08	3.18E-09	4.44E-08
489885.89, 3858926.54	0.01732	6.316E-05	2.19E-08	6.60E-08	5.21E-08	4.51E-08	2.03E-08	7.30E-10	1.76E-08	1.24E-08	1.07E-08	3.20E-09	4.47E-08
489935.89, 3858926.54	0.01734	6.323E-05	2.19E-08	6.61E-08	5.22E-08	4.52E-08	2.03E-08	7.31E-10	1.77E-08	1.24E-08	1.07E-08	3.20E-09	4.47E-08
489985.89, 3858926.54	0.01722	6.28E-05	2.17E-08	6.56E-08	5.18E-08	4.49E-08	2.02E-08	7.26E-10	1.75E-08	1.23E-08	1.07E-08	3.18E-09	4.44E-08
490035.89, 3858926.54	0.01691	6.167E-05	2.13E-08	6.45E-08	5.09E-08	4.41E-08	1.98E-08	7.13E-10	1.72E-08	1.21E-08	1.05E-08	3.12E-09	4.36E-08
489335.89, 3858976.54	0.01766	6.44E-05	2.23E-08	6.73E-08	5.32E-08	4.60E-08	2.07E-08	7.44E-10	1.80E-08	1.26E-08	1.09E-08	3.26E-09	4.56E-08
489385.89, 3858976.54	0.01748	6.374E-05	2.21E-08	6.66E-08	5.26E-08	4.55E-08	2.05E-08	7.37E-10	1.78E-08	1.25E-08	1.08E-08	3.23E-09	4.51E-08
489435.89, 3858976.54	0.0175	6.382E-05	2.21E-08	6.67E-08	5.27E-08	4.56E-08	2.05E-08	7.38E-10	1.78E-08	1.25E-08	1.08E-08	3.23E-09	4.51E-08
489485.89, 3858976.54	0.01739	6.342E-05	2.20E-08	6.63E-08	5.24E-08	4.53E-08	2.04E-08	7.33E-10	1.77E-08	1.24E-08	1.08E-08	3.21E-09	4.49E-08
489535.89, 3858976.54	0.01727	6.298E-05	2.18E-08	6.58E-08	5.20E-08	4.50E-08	2.02E-08	7.28E-10	1.76E-08	1.24E-08	1.07E-08	3.19E-09	4.45E-08
489585.89, 3858976.54	0.0173	6.309E-05	2.18E-08	6.59E-08	5.21E-08	4.51E-08	2.03E-08	7.29E-10	1.76E-08	1.24E-08	1.07E-08	3.20E-09	4.46E-08
489635.89, 3858976.54	0.01727	6.298E-05	2.18E-08	6.58E-08	5.20E-08	4.50E-08	2.02E-08	7.28E-10	1.76E-08	1.24E-08	1.07E-08	3.19E-09	4.45E-08
489685.89, 3858976.54	0.01722	6.28E-05	2.17E-08	6.56E-08	5.18E-08	4.49E-08	2.02E-08	7.26E-10	1.75E-08	1.23E-08	1.07E-08	3.18E-09	4.44E-08
489735.89, 3858976.54	0.01729	6.305E-05	2.18E-08	6.59E-08	5.21E-08	4.50E-08	2.03E-08	7.29E-10	1.76E-08	1.24E-08	1.07E-08	3.19E-09	4.46E-08
489785.89, 3858976.54	0.01748	6.374E-05	2.21E-08	6.66E-08	5.26E-08	4.55E-08	2.05E-08	7.37E-10	1.78E-08	1.25E-08	1.08E-08	3.23E-09	4.51E-08
489835.89, 3858976.54	0.01761	6.422E-05	2.22E-08	6.71E-08	5.30E-08	4.59E-08	2.06E-08	7.42E-10	1.79E-08	1.26E-08	1.09E-08	3.25E-09	4.54E-08
489885.89, 3858976.54	0.01749	6.378E-05	2.21E-08	6.67E-08	5.27E-08	4.56E-08	2.05E-08	7.37E-10	1.78E-08	1.25E-08	1.08E-08	3.23E-09	4.51E-08
489935.89, 3858976.54	0.01746	6.367E-05	2.20E-08	6.65E-08	5.26E-08	4.55E-08	2.05E-08	7.36E-10	1.78E-08	1.25E-08	1.08E-08	3.23E-09	4.50E-08
489985.89, 3858976.54	0.01746	6.367E-05	2.20E-08	6.65E-08	5.26E-08	4.55E-08	2.05E-08	7.36E-10	1.78E-08	1.25E-08	1.08E-08	3.23E-09	4.50E-08
490035.89, 3858976.54	0.01656	6.039E-05	2.09E-08	6.31E-08	4.99E-08	4.31E-08	1.94E-08	6.98E-10	1.69E-08	1.18E-08	1.03E-08	3.06E-09	4.27E-08
489385.89, 3859026.54	0.01804	6.579E-05	2.28E-08	6.88E-08	5.43E-08	4.70E-08	2.11E-08	7.60E-10	1.84E-08	1.29E-08	1.12E-08	3.33E-09	4.65E-08
489435.89, 3859026.54	0.01793	6.538E-05	2.26E-08	6.83E-08	5.40E-08	4.67E-08	2.10E-08	7.56E-10	1.83E-08	1.28E-08	1.11E-08	3.31E-09	4.62E-08
489485.89, 3859026.54	0.0178	6.491E-05	2.25E-08	6.78E-08	5.36E-08	4.64E-08	2.09E-08	7.50E-10	1.81E-08	1.27E-08	1.10E-08	3.29E-09	4.59E-08
489535.89, 3859026.54	0.01774	6.469E-05	2.24E-08	6.76E-08	5.34E-08	4.62E-08	2.08E-08	7.48E-10	1.81E-08	1.27E-08	1.10E-08	3.28E-09	4.58E-08
489585.89, 3859026.54	0.0176	6.418E-05	2.22E-08	6.71E-08	5.30E-08	4.59E-08	2.06E-08	7.42E-10	1.79E-08	1.26E-08	1.09E-08	3.25E-09	4.54E-08
489635.89, 3859026.54	0.01758	6.411E-05	2.22E-08	6.70E-08	5.29E-08	4.58E-08	2.06E-08	7.41E-10	1.79E-08	1.26E-08	1.09E-08	3.25E-09	4.53E-08
489685.89, 3859026.54	0.01757	6.407E-05	2.22E-08	6.70E-08	5.29E-08	4.58E-08	2.06E-08	7.41E-10	1.79E-08	1.26E-08	1.09E-08	3.25E-09	4.53E-08
489735.89, 3859026.54	0.01768	6.447E-05	2.23E-08	6.74E-08	5.32E-08	4.61E-08	2.07E-08	7.45E-10	1.80E-08	1.26E-08	1.09E-08	3.27E-09	4.56E-08
489785.89, 3859026.54	0.01779	6.487E-05	2.25E-08	6.78E-08	5.36E-08	4.63E-08	2.08E-08	7.50E-10	1.81E-08	1.27E-08	1.10E-08	3.29E-09	4.59E-08
489835.89, 3859026.54	0.01768	6.447E-05	2.23E-08	6.74E-08	5.32E-08	4.61E-08	2.07E-08	7.45E-10	1.80E-08	1.26E-08	1.09E-08	3.27E-09	4.56E-08
489885.89, 3859026.54	0.01769	6.451E-05	2.23E-08	6.74E-08	5.33E-08	4.61E-08	2.07E-08	7.46E-10	1.80E-08	1.27E-08	1.09E-08	3.27E-09	4.56E-08
489935.89, 3859026.54	0.01762	6.425E-05	2.22E-08	6.72E-08	5.30E-08	4.59E-08	2.06E-08	7.43E-10	1.79E-08	1.26E-08	1.09E-08	3.26E-09	4.55E-08
489985.89, 3859026.54	0.01755	6.4E-05	2.22E-08	6.69E-08	5.28E-08	4.57E-08	2.06E-08	7.40E-10	1.79E-08	1.26E-08	1.09E-08	3.24E-09	4.53E-08
490035.89, 3859026.54	0.01648	6.01E-05	2.08E-08	6.28E-08	4.96E-08	4.29E-08	1.93E-08	6.95E-10	1.68E-08	1.18E-08	1.02E-08	3.05E-09	4.25E-08
489485.89, 3859076.54	0.01832	6.681E-05	2.31E-08	6.98E-08	5.52E-08	4.77E-08	2.15E-08	7.72E-10	1.87E-08	1.31E-08	1.13E-08	3.39E-09	4.73E-08
489535.89, 3859076.54	0.01817	6.626E-05	2.29E-08	6.93E-08	5.47E-08	4.73E-08	2.13E-08	7.66E-10	1.85E-08	1.30E-08	1.12E-08	3.36E-09	4.69E-08
489585.89, 3859076.54	0.01803	6.575E-05	2.28E-08	6.87E-08	5.43E-08	4.70E-08	2.11E-08	7.60E-10	1.84E-08	1.29E-08	1.12E-08	3.33E-09	4.65E-08
489635.89, 3859076.54	0.01807	6.59E-05	2.28E-08	6.89E-08	5.44E-08	4.71E-08	2.12E-08	7.62E-10	1.84E-08	1.29E-08	1.12E-08	3.34E-09	4.66E-08
489685.89, 3859076.54	0.01809	6.597E-05	2.28E-08	6.90E-08	5.45E-08	4.71E-08	2.12E-08	7.63E-10	1.84E-08	1.29E-08	1.12E-08	3.34E-09	4.67E-08
489735.89, 3859076.54	0.01812	6.608E-05	2.29E-08	6.91E-08	5.46E-08	4.72E-08	2.12E-08	7.64E-10	1.85E-08	1.30E-08	1.12E-08	3.35E-09	4.67E-08
489785.89, 3859076.54	0.01815	6.619E-05	2.29E-08	6.92E-08	5.46E-08	4.73E-08	2.13E-08	7.65E-10	1.85E-08	1.30E-08	1.12E-08	3.35E-09	4.68E-08
489835.89, 3859076.54	0.01807	6.59E-05	2.28E-08	6.89E-08	5.44E-08	4.71E-08	2.12E-08	7.62E-10	1.84E-08	1.29E-08	1.12E-08	3.34E-09	4.66E-08
489885.89, 3859076.54	0.01799	6.56E-05	2.27E-08	6.86E-08	5.42E-08	4.69E-08	2.11E-08	7.58E-10	1.83E-08	1.29E-08	1.11E-08	3.32E-09	4.64E-08
489935.89, 3859076.54	0.01798	6.557E-05	2.27E-08	6.85E-08	5.41E-08	4.68E-08	2.11E-08	7.58E-10	1.83E-08	1.29E-08	1.11E-08	3.32E-09	4.64E-08
489985.89, 3859076.54	0.0178	6.491E-05	2.25E-08	6.78E-08	5.36E-08	4.64E-08	2.09E-08	7.50E-10	1.81E-08	1.27E-08	1.10E-08	3.29E-09	4.59E-08
490035.89, 3859076.54	0.01684	6.141E-05	2.13E-08	6.42E-08	5.07E-08	4.39E-08	1.97E-08	7.10E-10	1.71E-08	1.20E-08	1.04E-08	3.11E-09	4.34E-08
489585.89, 3859126.54	0.01865	6.801E-05	2.35E-08	7.11E-08	5.62E-08	4.86E-08	2.18E-08	7.86E-10	1.90E-08	1.33E-08	1.15E-08	3.45E-09	4.81E-08
489635.89, 3859126.54	0.01867	6.808E-05	2.36E-08	7.12E-08	5.62E-08	4.86E-08	2.19E-08	7.87E-10	1.90E-08	1.34E-08	1.16E-08	3.45E-09	4.82E-08
489685.89, 3859126.54	0.01863	6.794E-05	2.35E-08	7.10E-08	5.61E-08	4.85E-08	2.18E-08	7.85E-10	1.90E-08	1.33E-08	1.15E-08	3.44E-09	4.81E-08
489735.89, 3859126.54	0.01859	6.779E-05	2.35E-08	7.09E-08	5.60E-08	4.84E-08	2.18E-08	7.84E-10	1.89E-08	1.33E-08	1.15E-08	3.43E-09	4.80E-08
489785.89, 3859126.54	0.01859	6.779E-05	2.35E-08	7.09E-08	5.60E-08	4.84E-08	2.18E-08	7.84E-10	1.89E-08	1.33E-08	1.15E-08	3.43E-09	4.80E-08
489835.89, 3859126.54	0.01848	6.739E-05	2.33E-08	7.04E-08	5.56E-08	4.81E-08	2.16E-08	7.79E-10	1.88E-08	1.32E-08	1.14E-08	3.41E-09	4.77E-08
489885.89, 3859126.54	0.01829	6.67E-05	2.31E-08	6.97E-08	5.51E-08	4.76E-08	2.14E-08	7.71E-10	1.86E-08	1.31E-08	1.13E-08	3.38E-09	4.72E-08
489935.89, 3859126.54	0.01827	6.662E-05	2.31E-08	6.96E-08	5.50E-08	4.76E-08	2.14E-08	7.70E-10	1.86E-08	1.31E-08	1.13E-08	3.38E-09	4.71E-08
489985.89, 3859126.54	0.01777	6.48E-05	2.24E-08	6.77E-08	5.35E-08	4.63E-08	2.08E-08	7.49E-10	1.81E-08	1.27E-08	1.10E-08	3.28E-09	4.58E-08
490035.89, 3859126.54	0.01729	6.305E-05	2.18E-08	6.59E-08	5.21E-08	4.50E-08	2.03E-08	7.29E-10	1.76E-08	1.24E-08	1.07E-08	3.19E-09	4.46E-08

489585.89, 3859176.54	0.01921	7.005E-05	2.42E-08	7.32E-08	5.78E-08	5.00E-08	2.25E-08	8.10E-10	1.96E-08	1.37E-08	1.19E-08	3.55E-09	4.96E-08
489635.89, 3859176.54	0.01923	7.013E-05	2.43E-08	7.33E-08	5.79E-08	5.01E-08	2.25E-08	8.11E-10	1.96E-08	1.38E-08	1.19E-08	3.55E-09	4.96E-08
489685.89, 3859176.54	0.01928	7.031E-05	2.43E-08	7.35E-08	5.80E-08	5.02E-08	2.26E-08	8.13E-10	1.96E-08	1.38E-08	1.19E-08	3.56E-09	4.97E-08
489735.89, 3859176.54	0.0193	7.038E-05	2.44E-08	7.36E-08	5.81E-08	5.03E-08	2.26E-08	8.14E-10	1.97E-08	1.38E-08	1.19E-08	3.57E-09	4.98E-08
489785.89, 3859176.54	0.01912	6.972E-05	2.41E-08	7.29E-08	5.76E-08	4.98E-08	2.24E-08	8.06E-10	1.95E-08	1.37E-08	1.18E-08	3.53E-09	4.93E-08
489835.89, 3859176.54	0.01899	6.925E-05	2.40E-08	7.24E-08	5.72E-08	4.95E-08	2.22E-08	8.00E-10	1.93E-08	1.36E-08	1.18E-08	3.51E-09	4.90E-08
489885.89, 3859176.54	0.01878	6.848E-05	2.37E-08	7.16E-08	5.65E-08	4.89E-08	2.20E-08	7.92E-10	1.91E-08	1.34E-08	1.16E-08	3.47E-09	4.84E-08
489935.89, 3859176.54	0.01872	6.827E-05	2.36E-08	7.14E-08	5.64E-08	4.88E-08	2.19E-08	7.89E-10	1.91E-08	1.34E-08	1.16E-08	3.46E-09	4.83E-08
489985.89, 3859176.54	0.01815	6.619E-05	2.29E-08	6.92E-08	5.46E-08	4.73E-08	2.13E-08	7.65E-10	1.85E-08	1.30E-08	1.12E-08	3.35E-09	4.68E-08
490035.89, 3859176.54	0.01814	6.615E-05	2.29E-08	6.91E-08	5.46E-08	4.73E-08	2.12E-08	7.65E-10	1.85E-08	1.30E-08	1.12E-08	3.35E-09	4.68E-08
489685.89, 3859226.54	0.01981	7.224E-05	2.50E-08	7.55E-08	5.96E-08	5.16E-08	2.32E-08	8.35E-10	2.02E-08	1.42E-08	1.23E-08	3.66E-09	5.11E-08
489735.89, 3859226.54	0.01993	7.268E-05	2.52E-08	7.60E-08	6.00E-08	5.19E-08	2.33E-08	8.40E-10	2.03E-08	1.43E-08	1.23E-08	3.68E-09	5.14E-08
489785.89, 3859226.54	0.0198	7.22E-05	2.50E-08	7.55E-08	5.96E-08	5.16E-08	2.32E-08	8.35E-10	2.02E-08	1.42E-08	1.23E-08	3.66E-09	5.11E-08
489835.89, 3859226.54	0.0195	7.111E-05	2.46E-08	7.43E-08	5.87E-08	5.08E-08	2.28E-08	8.22E-10	1.99E-08	1.39E-08	1.21E-08	3.60E-09	5.03E-08
489885.89, 3859226.54	0.01933	7.049E-05	2.44E-08	7.37E-08	5.82E-08	5.04E-08	2.26E-08	8.15E-10	1.97E-08	1.38E-08	1.20E-08	3.57E-09	4.99E-08
489935.89, 3859226.54	0.01911	6.969E-05	2.41E-08	7.28E-08	5.75E-08	4.98E-08	2.24E-08	8.06E-10	1.95E-08	1.37E-08	1.18E-08	3.53E-09	4.93E-08
489985.89, 3859226.54	0.01833	6.684E-05	2.31E-08	6.99E-08	5.52E-08	4.78E-08	2.15E-08	7.73E-10	1.87E-08	1.31E-08	1.13E-08	3.39E-09	4.73E-08
490035.89, 3859226.54	0.01842	6.717E-05	2.33E-08	7.02E-08	5.55E-08	4.80E-08	2.16E-08	7.76E-10	1.88E-08	1.32E-08	1.14E-08	3.40E-09	4.75E-08
489735.89, 3859276.54	0.02053	7.487E-05	2.59E-08	7.83E-08	6.18E-08	5.35E-08	2.40E-08	8.65E-10	2.09E-08	1.47E-08	1.27E-08	3.79E-09	5.30E-08
489785.89, 3859276.54	0.02051	7.479E-05	2.59E-08	7.82E-08	6.18E-08	5.34E-08	2.40E-08	8.65E-10	2.09E-08	1.47E-08	1.27E-08	3.79E-09	5.29E-08
489835.89, 3859276.54	0.02016	7.352E-05	2.54E-08	7.68E-08	6.07E-08	5.25E-08	2.36E-08	8.50E-10	2.05E-08	1.44E-08	1.25E-08	3.73E-09	5.20E-08
489885.89, 3859276.54	0.02002	7.301E-05	2.53E-08	7.63E-08	6.03E-08	5.22E-08	2.35E-08	8.44E-10	2.04E-08	1.43E-08	1.24E-08	3.70E-09	5.16E-08
489935.89, 3859276.54	0.01965	7.166E-05	2.48E-08	7.49E-08	5.92E-08	5.12E-08	2.30E-08	8.28E-10	2.00E-08	1.41E-08	1.22E-08	3.63E-09	5.07E-08
489985.89, 3859276.54	0.01867	6.808E-05	2.36E-08	7.12E-08	5.62E-08	4.86E-08	2.19E-08	7.87E-10	1.90E-08	1.34E-08	1.16E-08	3.45E-09	4.82E-08
490035.89, 3859276.54	0.01907	6.954E-05	2.41E-08	7.27E-08	5.74E-08	4.97E-08	2.23E-08	8.04E-10	1.94E-08	1.36E-08	1.18E-08	3.52E-09	4.92E-08
490458.06, 3859590.74	0.02501	9.12E-05	3.16E-08	9.53E-08	7.53E-08	6.52E-08	2.93E-08	1.05E-09	2.55E-08	1.79E-08	1.55E-08	4.62E-09	6.45E-08
490508.06, 3859590.74	0.0242	8.825E-05	3.05E-08	9.22E-08	7.29E-08	6.30E-08	2.83E-08	1.02E-09	2.46E-08	1.73E-08	1.50E-08	4.47E-09	6.24E-08
490558.06, 3859590.74	0.02345	8.551E-05	2.96E-08	8.94E-08	7.06E-08	6.11E-08	2.75E-08	9.88E-10	2.39E-08	1.68E-08	1.45E-08	4.33E-09	6.05E-08
490608.06, 3859590.74	0.02263	8.252E-05	2.86E-08	8.63E-08	6.81E-08	5.90E-08	2.65E-08	9.54E-10	2.30E-08	1.62E-08	1.40E-08	4.18E-09	5.84E-08
490658.06, 3859590.74	0.02179	7.946E-05	2.75E-08	8.31E-08	6.56E-08	5.68E-08	2.55E-08	9.19E-10	2.22E-08	1.56E-08	1.35E-08	4.03E-09	5.62E-08
490708.06, 3859590.74	0.02102	7.665E-05	2.65E-08	8.01E-08	6.33E-08	5.48E-08	2.46E-08	8.86E-10	2.14E-08	1.50E-08	1.30E-08	3.88E-09	5.42E-08
490758.06, 3859590.74	0.02023	7.377E-05	2.55E-08	7.71E-08	6.09E-08	5.27E-08	2.37E-08	8.53E-10	2.06E-08	1.45E-08	1.25E-08	3.74E-09	5.22E-08
490808.06, 3859590.74	0.01976	7.206E-05	2.49E-08	7.53E-08	5.95E-08	5.15E-08	2.31E-08	8.33E-10	2.01E-08	1.41E-08	1.22E-08	3.65E-09	5.10E-08
490858.06, 3859590.74	0.01924	7.016E-05	2.43E-08	7.33E-08	5.79E-08	5.01E-08	2.25E-08	8.11E-10	1.96E-08	1.38E-08	1.19E-08	3.56E-09	4.96E-08
490458.06, 3859640.74	0.02695	9.828E-05	3.40E-08	1.03E-07	8.11E-08	7.02E-08	3.16E-08	1.14E-09	2.74E-08	1.93E-08	1.67E-08	4.98E-09	6.95E-08
490508.06, 3859640.74	0.02621	9.558E-05	3.31E-08	9.99E-08	7.89E-08	6.83E-08	3.07E-08	1.10E-09	2.67E-08	1.87E-08	1.62E-08	4.84E-09	6.76E-08
490558.06, 3859640.74	0.02548	9.292E-05	3.22E-08	9.71E-08	7.67E-08	6.64E-08	2.98E-08	1.07E-09	2.59E-08	1.82E-08	1.58E-08	4.71E-09	6.57E-08
490608.06, 3859640.74	0.02436	8.883E-05	3.08E-08	9.28E-08	7.33E-08	6.35E-08	2.85E-08	1.03E-09	2.48E-08	1.74E-08	1.51E-08	4.50E-09	6.28E-08
490658.06, 3859640.74	0.02323	8.471E-05	2.93E-08	8.85E-08	6.99E-08	6.05E-08	2.72E-08	9.79E-10	2.37E-08	1.66E-08	1.44E-08	4.29E-09	5.99E-08
490708.06, 3859640.74	0.02239	8.165E-05	2.83E-08	8.53E-08	6.74E-08	5.83E-08	2.62E-08	9.44E-10	2.28E-08	1.60E-08	1.39E-08	4.14E-09	5.78E-08
490758.06, 3859640.74	0.0215	7.84E-05	2.71E-08	8.19E-08	6.47E-08	5.60E-08	2.52E-08	9.06E-10	2.19E-08	1.54E-08	1.33E-08	3.97E-09	5.55E-08
490808.06, 3859640.74	0.02108	7.687E-05	2.66E-08	8.03E-08	6.35E-08	5.49E-08	2.47E-08	8.89E-10	2.15E-08	1.51E-08	1.30E-08	3.89E-09	5.44E-08
490858.06, 3859640.74	0.02071	7.552E-05	2.61E-08	7.89E-08	6.24E-08	5.40E-08	2.43E-08	8.73E-10	2.11E-08	1.48E-08	1.28E-08	3.83E-09	5.34E-08
490608.06, 3859690.74	0.02611	9.521E-05	3.30E-08	9.95E-08	7.86E-08	6.80E-08	3.06E-08	1.10E-09	2.66E-08	1.87E-08	1.62E-08	4.82E-09	6.74E-08
490658.06, 3859690.74	0.02488	9.073E-05	3.14E-08	9.48E-08	7.49E-08	6.48E-08	2.91E-08	1.05E-09	2.53E-08	1.78E-08	1.54E-08	4.60E-09	6.42E-08
490708.06, 3859690.74	0.02391	8.719E-05	3.02E-08	9.11E-08	7.20E-08	6.23E-08	2.80E-08	1.01E-09	2.43E-08	1.71E-08	1.48E-08	4.42E-09	6.17E-08
490758.06, 3859690.74	0.0229	8.351E-05	2.89E-08	8.73E-08	6.89E-08	5.97E-08	2.68E-08	9.65E-10	2.33E-08	1.64E-08	1.42E-08	4.23E-09	5.91E-08
490808.06, 3859690.74	0.02227	8.121E-05	2.81E-08	8.49E-08	6.70E-08	5.80E-08	2.61E-08	9.39E-10	2.27E-08	1.59E-08	1.38E-08	4.11E-09	5.74E-08
490858.06, 3859690.74	0.02228	8.125E-05	2.81E-08	8.49E-08	6.71E-08	5.80E-08	2.61E-08	9.39E-10	2.27E-08	1.59E-08	1.38E-08	4.12E-09	5.75E-08
490708.06, 3859740.74	0.02584	9.423E-05	3.26E-08	9.85E-08	7.78E-08	6.73E-08	3.03E-08	1.09E-09	2.63E-08	1.85E-08	1.60E-08	4.77E-09	6.67E-08
490758.06, 3859740.74	0.0254	9.263E-05	3.21E-08	9.68E-08	7.65E-08	6.62E-08	2.98E-08	1.07E-09	2.59E-08	1.82E-08	1.57E-08	4.69E-09	6.55E-08
490808.06, 3859740.74	0.02474	9.022E-05	3.12E-08	9.43E-08	7.45E-08	6.45E-08	2.90E-08	1.04E-09	2.52E-08	1.77E-08	1.53E-08	4.57E-09	6.38E-08
490858.06, 3859740.74	0.02436	8.883E-05	3.08E-08	9.28E-08	7.33E-08	6.35E-08	2.85E-08	1.03E-09	2.48E-08	1.74E-08	1.51E-08	4.50E-09	6.28E-08
490786.56, 3859749.39	0.02547	9.288E-05	3.22E-08	9.71E-08	7.67E-08	6.64E-08	2.98E-08	1.07E-09	2.59E-08	1.82E-08	1.58E-08	4.71E-09	6.57E-08
490836.56, 3859749.39	0.02486	9.066E-05	3.14E-08	9.48E-08	7.48E-08	6.48E-08	2.91E-08	1.05E-09	2.53E-08	1.78E-08	1.54E-08	4.59E-09	6.41E-08
490786.56, 3859799.39	0.02784	0.0001015	3.51E-08	1.06E-07	8.38E-08	7.25E-08	3.26E-08	1.17E-09	2.83E-08	1.99E-08	1.72E-08	5.14E-09	7.18E-08
490836.56, 3859799.39	0.02712	9.89E-05	3.42E-08	1.03E-07	8.17E-08	7.07E-08	3.18E-08	1.14E-09	2.76E-08	1.94E-08	1.68E-08	5.01E-09	7.00E-08
492307.84, 3854508.36	0.00208	7.585E-06	2.63E-09	7.93E-09	6.26E-09	5.42E-09	2.44E-09	8.77E-11	2.12E-09	1.49E-09	1.29E-09	3.84E-10	5.37E-09
486445.7, 3854753.6	0.00274	9.992E-06	3.46E-09	1.04E-08	8.25E-09	7.14E-09	3.21E-09	1.16E-10	2.79E-09	1.96E-09	1.70E-09	5.06E-10	7.07E-09
472599.75, 3877830.11	0.00209	7.622E-06	2.64E-09	7.97E-09	6.29E-09	5.44E-09	2.45E-09	8.81E-11	2.13E-09	1.50E-09	1.29E-09	3.86E-10	5.39E-09
493107.48, 3866840.19	0.00311	1.134E-05	3.93E-09	1.19E-08	9.36E-09	8.10E-09	3.64E-09	1.31E-10	3.17E-09	2.22E-09	1.93E-09	5.75E-10	8.02E-09
495815.79, 3861662.87	5.7316	0.0209012	7.24E-06	2.18E-05	1.73E-05	1.49E-05	6.71E-06	2.42E-07	5.84E-06	4.10E-06	3.55E-06	1.06E-06	1.48E-05
480272.33, 3841389.2	0.00045	1.641E-06	5.68E-10	1.72E-09	1.35E-09	1.17E-09	5.27E-10	1.90E-11	4.58E-10	3.22E-10	2.79E-10	8.31E-11	1.16E-09
497005.18, 3862813.64	0.63176	0.0023038	7.97E-07	2.41E-06	1.90E-06	1.65E-06	7.40E-07	2.66E-08	6.43E-07	4.52E-07	3.91E-07	1.17E-07	1.63E-06
493677.33, 3860302.55	0.06899	0.0002516	8.71E-08	2.63E-07	2.08E-07	1.80E-07	8.08E-08	2.91E-09	7.02E-08	4.94E-08	4.27E-08	1.27E-08	1.78E-07
493727.33, 3860302.55	0.07002	0.0002553	8.84E-08	2.67E-07	2.11E-07	1.82E-07	8.20E-08	2.95E-09	7.13E-08	5.01E-08	4.33E-08	1.29E-08	1.81E-07
493777.33, 3860302.55	0.07046	0.0002569	8.89E-08	2.69E-07	2.12E-07	1.84E-07	8.25E-08	2.97E-09	7.17E-08	5.04E-08	4.36E-08	1.30E-08	1.82E-07
493827.33, 3860302.55	0.07061	0.0002575	8.91E-08	2.69E-07	2.13E-07	1.84E-07	8.27E-08	2.98E-09	7.19E-08	5.05E-08	4.37E-08	1.30E-08	1.82E-07
493877.33, 3860302.55	0.07161	0.0002611	9.04E-08	2.73E-07	2.16E-07	1.87E-07	8.39E-08	3.02E-09	7.29E-08	5.12E-08	4.43E-08	1.32E-08	1.85E-07
493927.33, 3860302.55	0.07309	0.0002665	9.23E-08	2.79E-07	2.20E-07	1.90E-07	8.56E-08	3.08E-09	7.44E-08	5.23E-08	4.52E-08	1.35E-08	1.89E-07
493977.33, 3860302.55	0.07031	0.0002564	8.88E-08	2.68E-07	2.12E-07	1.83E-07	8.24E-08	2.96E-09	7.16E-08	5.03E-08	4.35E-08	1.30E-08	1.81E-07
494027.33, 3860302.55	0.06955	0.0002536	8.78E-08	2.65E-07	2.09E-07	1.81E-07	8.15E-08	2.93E-09	7.08E-08	4.98E-08	4.30E-08	1.29E-08	1.79E-07
493677.33, 3860352.55	0.07808	0.0002847	9.86E-08	2.98E-07	2.35E-07	2.03E-07	9.15E-08	3.29E-09	7.95E-08	5.59E-08	4.83E-08	1.44E-08	2.01E-07
493727.33, 3860352.55	0.0802	0.0002925	1.01E-07	3.06E-07	2.41E-07	2.09E-07	9.39E-08	3.38E-09	8.17E-08	5.74E-08	4.96E-08	1.48E-08	2.07E-07
493777.33, 3860352.55	0.0822	0.0002998	1.04E-07	3.13E-07	2.47E-07	2.14E-07	9.63E-08	3.47E-09	8.37E-08	5.88E-08	5.09E-08	1.52E-08	2.12E-07
493827.33, 3860352.55	0.08324	0.0003035	1.05E-07	3.17E-07	2.51E-07	2.17E-07	9.75E-08	3.51E-09	8.48E-08	5.95E-08	5.15E-08	1.54E-08	2.15E-07
493877.33, 3860352.55	0.08317	0.0003033	1.05E-07	3.17E-07	2.50E-07	2.17E-07	9.74E-08	3.51E-09	8.47E-08	5.95E-08	5.15E-08	1.54E-08	2.15E-07
493927.33, 3860352.55	0.08172	0.000298	1.03E-07	3.11E-07	2.46E-07	2.13E-07	9.57E-08	3.44E-09	8.32E-08	5.85E-08	5.06E-08	1.51E-08	2.11E-07
493977.33, 3860352.55	0.07949	0.0002899	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.31E-08	3.35E-09	8.09E-08	5.69E-08	4.92E-08	1.47E-08	2.05E-07
494027.33, 3860352.55	0.08006	0.000292	1.01E-07	3.05E-07	2.41E-07	2.09E-07	9.38E-08	3.37E-09	8.15E-08	5.73E-08	4.96E-08	1.48E-08	2.07E-07

493677.33, 3860402.55	0.09126	0.0003328	1.15E-07	3.48E-07	2.75E-07	2.38E-07	1.07E-07	3.85E-09	9.29E-08	6.53E-08	5.65E-08	1.69E-08	2.35E-07
493727.33, 3860402.55	0.09353	0.0003411	1.18E-07	3.56E-07	2.82E-07	2.44E-07	1.10E-07	3.94E-09	9.52E-08	6.69E-08	5.79E-08	1.73E-08	2.41E-07
493777.33, 3860402.55	0.0917	0.0003344	1.16E-07	3.50E-07	2.76E-07	2.39E-07	1.07E-07	3.87E-09	9.34E-08	6.56E-08	5.68E-08	1.69E-08	2.37E-07
493827.33, 3860402.55	0.09518	0.0003471	1.20E-07	3.63E-07	2.87E-07	2.48E-07	1.11E-07	4.01E-09	9.69E-08	6.81E-08	5.89E-08	1.76E-08	2.46E-07
493877.33, 3860402.55	0.09686	0.0003532	1.22E-07	3.69E-07	2.92E-07	2.52E-07	1.13E-07	4.08E-09	9.86E-08	6.93E-08	6.00E-08	1.79E-08	2.50E-07
493927.33, 3860402.55	0.09119	0.0003325	1.15E-07	3.48E-07	2.75E-07	2.38E-07	1.07E-07	3.84E-09	9.29E-08	6.52E-08	5.64E-08	1.68E-08	2.35E-07
493977.33, 3860402.55	0.0907	0.0003308	1.14E-07	3.46E-07	2.73E-07	2.36E-07	1.06E-07	3.82E-09	9.24E-08	6.49E-08	5.61E-08	1.68E-08	2.34E-07
494027.33, 3860402.55	0.09231	0.0003366	1.17E-07	3.52E-07	2.78E-07	2.40E-07	1.08E-07	3.89E-09	9.40E-08	6.60E-08	5.71E-08	1.71E-08	2.38E-07
493677.33, 3860452.55	0.10419	0.0003799	1.32E-07	3.97E-07	3.14E-07	2.71E-07	1.22E-07	4.39E-09	1.06E-07	7.45E-08	6.45E-08	1.93E-08	2.69E-07
493727.33, 3860452.55	0.10974	0.0004002	1.39E-07	4.18E-07	3.30E-07	2.86E-07	1.29E-07	4.63E-09	1.12E-07	7.85E-08	6.79E-08	2.03E-08	2.83E-07
493777.33, 3860452.55	0.11168	0.0004073	1.41E-07	4.26E-07	3.36E-07	2.91E-07	1.31E-07	4.71E-09	1.14E-07	7.99E-08	6.91E-08	2.06E-08	2.88E-07
493827.33, 3860452.55	0.11041	0.0004026	1.39E-07	4.21E-07	3.32E-07	2.88E-07	1.29E-07	4.65E-09	1.12E-07	7.90E-08	6.83E-08	2.04E-08	2.85E-07
493877.33, 3860452.55	0.11005	0.0004013	1.39E-07	4.19E-07	3.31E-07	2.87E-07	1.29E-07	4.64E-09	1.12E-07	7.87E-08	6.81E-08	2.03E-08	2.84E-07
493927.33, 3860452.55	0.10584	0.000386	1.34E-07	4.03E-07	3.19E-07	2.76E-07	1.24E-07	4.46E-09	1.08E-07	7.57E-08	6.55E-08	1.96E-08	2.73E-07
493977.33, 3860452.55	0.10674	0.0003892	1.35E-07	4.07E-07	3.21E-07	2.78E-07	1.25E-07	4.50E-09	1.09E-07	7.64E-08	6.61E-08	1.97E-08	2.75E-07
494027.33, 3860452.55	0.10772	0.0003928	1.36E-07	4.11E-07	3.24E-07	2.81E-07	1.26E-07	4.54E-09	1.10E-07	7.71E-08	6.67E-08	1.99E-08	2.78E-07
493677.33, 3860502.55	0.12137	0.0004426	1.53E-07	4.63E-07	3.65E-07	3.16E-07	1.42E-07	5.12E-09	1.24E-07	8.68E-08	7.51E-08	2.24E-08	3.13E-07
493727.33, 3860502.55	0.12601	0.0004595	1.59E-07	4.80E-07	3.79E-07	3.28E-07	1.48E-07	5.31E-09	1.28E-07	9.01E-08	7.80E-08	2.33E-08	3.25E-07
493777.33, 3860502.55	0.12783	0.0004662	1.61E-07	4.87E-07	3.85E-07	3.33E-07	1.50E-07	5.39E-09	1.30E-07	9.14E-08	7.91E-08	2.36E-08	3.30E-07
493827.33, 3860502.55	0.12941	0.0004719	1.63E-07	4.93E-07	3.90E-07	3.37E-07	1.52E-07	5.46E-09	1.32E-07	9.26E-08	8.01E-08	2.39E-08	3.34E-07
493877.33, 3860502.55	0.12764	0.0004655	1.61E-07	4.87E-07	3.84E-07	3.33E-07	1.50E-07	5.38E-09	1.30E-07	9.13E-08	7.90E-08	2.36E-08	3.29E-07
493927.33, 3860502.55	0.12422	0.000453	1.57E-07	4.73E-07	3.74E-07	3.24E-07	1.46E-07	5.24E-09	1.26E-07	8.89E-08	7.69E-08	2.30E-08	3.20E-07
493977.33, 3860502.55	0.12628	0.0004605	1.59E-07	4.81E-07	3.80E-07	3.29E-07	1.48E-07	5.32E-09	1.29E-07	9.03E-08	7.82E-08	2.33E-08	3.26E-07
494027.33, 3860502.55	0.12655	0.0004615	1.60E-07	4.82E-07	3.81E-07	3.30E-07	1.48E-07	5.33E-09	1.29E-07	9.05E-08	7.83E-08	2.34E-08	3.26E-07
493627.33, 3860552.55	0.1412	0.0005149	1.78E-07	5.38E-07	4.25E-07	3.68E-07	1.65E-07	5.95E-09	1.44E-07	1.01E-07	8.74E-08	2.61E-08	3.64E-07
493677.33, 3860552.55	0.1465	0.0005342	1.85E-07	5.58E-07	4.41E-07	3.82E-07	1.72E-07	6.18E-09	1.49E-07	1.05E-07	9.07E-08	2.71E-08	3.78E-07
493727.33, 3860552.55	0.15074	0.0005497	1.90E-07	5.75E-07	4.54E-07	3.93E-07	1.77E-07	6.35E-09	1.53E-07	1.08E-07	9.33E-08	2.79E-08	3.89E-07
493777.33, 3860552.55	0.15083	0.00055	1.90E-07	5.75E-07	4.54E-07	3.93E-07	1.77E-07	6.36E-09	1.54E-07	1.08E-07	9.34E-08	2.79E-08	3.89E-07
493827.33, 3860552.55	0.14832	0.0005409	1.87E-07	5.65E-07	4.47E-07	3.86E-07	1.74E-07	6.25E-09	1.51E-07	1.06E-07	9.18E-08	2.74E-08	3.83E-07
493877.33, 3860552.55	0.15138	0.000552	1.91E-07	5.77E-07	4.56E-07	3.94E-07	1.77E-07	6.38E-09	1.54E-07	1.08E-07	9.37E-08	2.80E-08	3.90E-07
493927.33, 3860552.55	0.14943	0.0005449	1.89E-07	5.70E-07	4.50E-07	3.89E-07	1.75E-07	6.30E-09	1.52E-07	1.07E-07	9.25E-08	2.76E-08	3.85E-07
493977.33, 3860552.55	0.14633	0.0005336	1.85E-07	5.58E-07	4.41E-07	3.81E-07	1.71E-07	6.17E-09	1.49E-07	1.05E-07	9.06E-08	2.70E-08	3.77E-07
494027.33, 3860552.55	0.14822	0.0005405	1.87E-07	5.65E-07	4.46E-07	3.86E-07	1.74E-07	6.25E-09	1.51E-07	1.06E-07	9.17E-08	2.74E-08	3.82E-07
493627.33, 3860602.55	0.1685	0.0006145	2.13E-07	6.42E-07	5.07E-07	4.39E-07	1.97E-07	7.10E-09	1.72E-07	1.21E-07	1.04E-07	3.11E-08	4.35E-07
493727.33, 3860602.55	0.18439	0.0006724	2.33E-07	7.03E-07	5.55E-07	4.80E-07	2.16E-07	7.77E-09	1.88E-07	1.32E-07	1.14E-07	3.41E-08	4.76E-07
493777.33, 3860602.55	0.17807	0.0006494	2.25E-07	6.79E-07	5.36E-07	4.64E-07	2.09E-07	7.51E-09	1.81E-07	1.27E-07	1.10E-07	3.29E-08	4.59E-07
493827.33, 3860602.55	0.17859	0.0006513	2.25E-07	6.81E-07	5.38E-07	4.65E-07	2.09E-07	7.53E-09	1.82E-07	1.28E-07	1.11E-07	3.30E-08	4.61E-07
493877.33, 3860602.55	0.17423	0.0006354	2.20E-07	6.64E-07	5.25E-07	4.54E-07	2.04E-07	7.34E-09	1.77E-07	1.25E-07	1.08E-07	3.22E-08	4.49E-07
493927.33, 3860602.55	0.17322	0.0006317	2.19E-07	6.60E-07	5.22E-07	4.51E-07	2.03E-07	7.30E-09	1.76E-07	1.24E-07	1.07E-07	3.20E-08	4.47E-07
493977.33, 3860602.55	0.17125	0.0006245	2.16E-07	6.53E-07	5.16E-07	4.46E-07	2.01E-07	7.22E-09	1.74E-07	1.23E-07	1.06E-07	3.16E-08	4.42E-07
494027.33, 3860602.55	0.17482	0.0006375	2.21E-07	6.66E-07	5.26E-07	4.55E-07	2.05E-07	7.37E-09	1.78E-07	1.25E-07	1.08E-07	3.23E-08	4.51E-07
493627.33, 3860652.55	0.2056	0.0007498	2.60E-07	7.84E-07	6.19E-07	5.36E-07	2.41E-07	8.67E-09	2.09E-07	1.47E-07	1.27E-07	3.80E-08	5.30E-07
493727.33, 3860652.55	0.22214	0.0008101	2.80E-07	8.47E-07	6.69E-07	5.79E-07	2.60E-07	9.36E-09	2.26E-07	1.59E-07	1.37E-07	4.10E-08	5.73E-07
493777.33, 3860652.55	0.21663	0.00079	2.73E-07	8.26E-07	6.52E-07	5.64E-07	2.54E-07	9.13E-09	2.21E-07	1.55E-07	1.34E-07	4.00E-08	5.59E-07
493827.33, 3860652.55	0.21148	0.0007712	2.67E-07	8.06E-07	6.37E-07	5.51E-07	2.48E-07	8.91E-09	2.15E-07	1.51E-07	1.31E-07	3.91E-08	5.46E-07
493877.33, 3860652.55	0.20472	0.0007465	2.58E-07	7.80E-07	6.16E-07	5.33E-07	2.40E-07	8.63E-09	2.08E-07	1.46E-07	1.27E-07	3.78E-08	5.28E-07
493927.33, 3860652.55	0.20364	0.0007426	2.57E-07	7.76E-07	6.13E-07	5.31E-07	2.39E-07	8.58E-09	2.07E-07	1.46E-07	1.26E-07	3.76E-08	5.25E-07
493977.33, 3860652.55	0.20327	0.0007413	2.57E-07	7.75E-07	6.12E-07	5.30E-07	2.38E-07	8.57E-09	2.07E-07	1.45E-07	1.26E-07	3.76E-08	5.24E-07
494027.33, 3860652.55	0.1985	0.0007239	2.51E-07	7.57E-07	5.98E-07	5.17E-07	2.33E-07	8.37E-09	2.02E-07	1.42E-07	1.23E-07	3.67E-08	5.12E-07
494311.06, 3858401.99	0.00453	1.652E-05	5.72E-09	1.73E-08	1.36E-08	1.18E-08	5.31E-09	1.91E-10	4.61E-09	3.24E-09	2.80E-09	8.37E-10	1.17E-08
494361.06, 3858401.99	0.00451	1.645E-05	5.69E-09	1.72E-08	1.36E-08	1.17E-08	5.28E-09	1.90E-10	4.59E-09	3.23E-09	2.79E-09	8.33E-10	1.16E-08
494411.06, 3858401.99	0.00449	1.637E-05	5.67E-09	1.71E-08	1.35E-08	1.17E-08	5.26E-09	1.89E-10	4.57E-09	3.21E-09	2.78E-09	8.30E-10	1.16E-08
494461.06, 3858401.99	0.00448	1.634E-05	5.66E-09	1.71E-08	1.35E-08	1.17E-08	5.25E-09	1.89E-10	4.56E-09	3.20E-09	2.77E-09	8.28E-10	1.16E-08
494511.06, 3858401.99	0.00446	1.626E-05	5.63E-09	1.70E-08	1.34E-08	1.16E-08	5.22E-09	1.88E-10	4.54E-09	3.19E-09	2.76E-09	8.24E-10	1.15E-08
494561.06, 3858401.99	0.00445	1.623E-05	5.62E-09	1.70E-08	1.34E-08	1.16E-08	5.21E-09	1.88E-10	4.53E-09	3.18E-09	2.75E-09	8.22E-10	1.15E-08
494611.06, 3858401.99	0.00442	1.612E-05	5.58E-09	1.68E-08	1.33E-08	1.15E-08	5.18E-09	1.86E-10	4.50E-09	3.16E-09	2.74E-09	8.17E-10	1.14E-08
494661.06, 3858401.99	0.0044	1.605E-05	5.55E-09	1.68E-08	1.32E-08	1.15E-08	5.15E-09	1.85E-10	4.48E-09	3.15E-09	2.72E-09	8.13E-10	1.13E-08
494711.06, 3858401.99	0.00437	1.594E-05	5.52E-09	1.67E-08	1.32E-08	1.14E-08	5.12E-09	1.84E-10	4.45E-09	3.13E-09	2.70E-09	8.07E-10	1.13E-08
494761.06, 3858401.99	0.00436	1.59E-05	5.50E-09	1.66E-08	1.31E-08	1.14E-08	5.11E-09	1.84E-10	4.44E-09	3.12E-09	2.70E-09	8.06E-10	1.12E-08
494811.06, 3858401.99	0.00435	1.586E-05	5.49E-09	1.66E-08	1.31E-08	1.13E-08	5.10E-09	1.83E-10	4.43E-09	3.11E-09	2.69E-09	8.04E-10	1.12E-08
494861.06, 3858401.99	0.00434	1.583E-05	5.48E-09	1.65E-08	1.31E-08	1.13E-08	5.08E-09	1.83E-10	4.42E-09	3.10E-09	2.69E-09	8.02E-10	1.12E-08
494911.06, 3858401.99	0.00433	1.579E-05	5.47E-09	1.65E-08	1.30E-08	1.13E-08	5.07E-09	1.83E-10	4.41E-09	3.10E-09	2.68E-09	8.00E-10	1.12E-08
494961.06, 3858401.99	0.00432	1.575E-05	5.45E-09	1.65E-08	1.30E-08	1.13E-08	5.06E-09	1.82E-10	4.40E-09	3.09E-09	2.67E-09	7.98E-10	1.11E-08
495011.06, 3858401.99	0.0043	1.568E-05	5.43E-09	1.64E-08	1.29E-08	1.12E-08	5.04E-09	1.81E-10	4.38E-09	3.08E-09	2.66E-09	7.95E-10	1.11E-08
495061.06, 3858401.99	0.00429	1.564E-05	5.42E-09	1.64E-08	1.29E-08	1.12E-08	5.03E-09	1.81E-10	4.37E-09	3.07E-09	2.66E-09	7.93E-10	1.11E-08
495111.06, 3858401.99	0.00426	1.553E-05	5.38E-09	1.62E-08	1.28E-08	1.11E-08	4.99E-09	1.80E-10	4.34E-09	3.05E-09	2.64E-09	7.87E-10	1.10E-08
495161.06, 3858401.99	0.00426	1.553E-05	5.38E-09	1.62E-08	1.28E-08	1.11E-08	4.99E-09	1.80E-10	4.34E-09	3.05E-09	2.64E-09	7.87E-10	1.10E-08
495211.06, 3858401.99	0.00423	1.543E-05	5.34E-09	1.61E-08	1.27E-08	1.10E-08	4.96E-09	1.78E-10	4.31E-09	3.03E-09	2.62E-09	7.82E-10	1.09E-08
495261.06, 3858401.99	0.00422	1.539E-05	5.33E-09	1.61E-08	1.27E-08	1.10E-08	4.94E-09	1.78E-10	4.30E-09	3.02E-09	2.61E-09	7.80E-10	1.09E-08
495311.06, 3858401.99	0.0042	1.532E-05	5.30E-09	1.60E-08	1.26E-08	1.09E-08	4.92E-09	1.77E-10	4.28E-09	3.00E-09	2.60E-09	7.76E-10	1.08E-08
495361.06, 3858401.99	0.0042	1.532E-05	5.30E-09	1.60E-08	1.26E-08	1.09E-08	4.92E-09	1.77E-10	4.28E-09	3.00E-09	2.60E-09	7.76E-10	1.08E-08
495411.06, 3858401.99	0.00421	1.535E-05	5.31E-09	1.60E-08	1.27E-08	1.10E-08	4.93E-09	1.77E-10	4.29E-09	3.01E-09	2.61E-09	7.78E-10	1.09E-08
495461.06, 3858401.99	0.00422	1.539E-05	5.33E-09	1.61E-08	1.27E-08	1.10E-08	4.94E-09	1.78E-10	4.30E-09	3.02E-09	2.61E-09	7.80E-10	1.09E-08
495511.06, 3858401.99	0.00422	1.539E-05	5.33E-09	1.61E-08	1.27E-08	1.10E-08	4.94E-09	1.78E-10	4.30E-09	3.02E-09	2.61E-09	7.80E-10	1.09E-08
495561.06, 3858401.99	0.00419	1.528E-05	5.29E-09	1.60E-08	1.26E-08	1.09E-08	4.91E-09	1.77E-10	4.27E-09	3.00E-09	2.59E-09	7.74E-10	1.08E-08
495611.06, 3858401.99	0.0042	1.532E-05	5.30E-09	1.60E-08	1.26E-08	1.09E-08	4.92E-09	1.77E-10	4.28E-09	3.00E-09	2.60E-09	7.76E-10	1.08E-08
495661.06, 3858401.99	0.00425	1.55E-05	5.36E-09	1.62E-08	1.28E-08	1.11E-08	4.98E-09	1.79E-10	4.33E-09	3.04E-09	2.63E-09	7.85E-10	1.10E-08
494311.06, 3858451.99	0.00471	1.718E-05	5.95E-09	1.80E-08	1.42E-08	1.23E-08	5.52E-09	1.99E-10	4.80E-09	3.37E-09	2.92E-09	8.70E-10	1.21E-08
494361.06, 3858451.99	0.0047	1.714E-05	5.93E-09	1.79E-08	1.42E-08	1.22E-08	5.51E-09	1.98E-10	4.79E-09	3.36E-09	2.91E-09	8.68E-10	1.21E-08
494411.06, 3858451.99	0.00469	1.71E-05	5.92E-09	1.79E-08	1.41E-08	1.22E-08	5.49E-09	1.98E-10	4.78E-09	3.36E-09	2.90E-09	8.67E-10	1.21E-08

494461.06, 3858451.99	0.00468	1.707E-05	5.91E-09	1.78E-08	1.41E-08	1.22E-08	5.48E-09	1.97E-10	4.77E-09	3.35E-09	2.90E-09	8.65E-10	1.21E-08
494511.06, 3858451.99	0.00467	1.703E-05	5.90E-09	1.78E-08	1.41E-08	1.22E-08	5.47E-09	1.97E-10	4.76E-09	3.34E-09	2.89E-09	8.63E-10	1.20E-08
494561.06, 3858451.99	0.00464	1.692E-05	5.86E-09	1.77E-08	1.40E-08	1.21E-08	5.44E-09	1.96E-10	4.72E-09	3.32E-09	2.87E-09	8.57E-10	1.20E-08
494611.06, 3858451.99	0.00462	1.685E-05	5.83E-09	1.76E-08	1.39E-08	1.20E-08	5.41E-09	1.95E-10	4.70E-09	3.30E-09	2.86E-09	8.54E-10	1.19E-08
494661.06, 3858451.99	0.00459	1.674E-05	5.79E-09	1.75E-08	1.38E-08	1.20E-08	5.38E-09	1.93E-10	4.67E-09	3.28E-09	2.84E-09	8.48E-10	1.18E-08
494711.06, 3858451.99	0.00457	1.667E-05	5.77E-09	1.74E-08	1.38E-08	1.19E-08	5.35E-09	1.93E-10	4.65E-09	3.27E-09	2.83E-09	8.44E-10	1.18E-08
494761.06, 3858451.99	0.00455	1.659E-05	5.74E-09	1.73E-08	1.37E-08	1.19E-08	5.33E-09	1.92E-10	4.63E-09	3.25E-09	2.82E-09	8.41E-10	1.17E-08
494811.06, 3858451.99	0.00454	1.656E-05	5.73E-09	1.73E-08	1.37E-08	1.18E-08	5.32E-09	1.91E-10	4.62E-09	3.25E-09	2.81E-09	8.39E-10	1.17E-08
494861.06, 3858451.99	0.00453	1.652E-05	5.72E-09	1.73E-08	1.36E-08	1.18E-08	5.31E-09	1.91E-10	4.61E-09	3.24E-09	2.80E-09	8.37E-10	1.17E-08
494911.06, 3858451.99	0.0045	1.641E-05	5.68E-09	1.72E-08	1.35E-08	1.17E-08	5.27E-09	1.90E-10	4.58E-09	3.22E-09	2.79E-09	8.31E-10	1.16E-08
494961.06, 3858451.99	0.0045	1.641E-05	5.68E-09	1.72E-08	1.35E-08	1.17E-08	5.27E-09	1.90E-10	4.58E-09	3.22E-09	2.79E-09	8.31E-10	1.16E-08
495011.06, 3858451.99	0.00449	1.637E-05	5.67E-09	1.71E-08	1.35E-08	1.17E-08	5.26E-09	1.89E-10	4.57E-09	3.21E-09	2.78E-09	8.30E-10	1.16E-08
495061.06, 3858451.99	0.00449	1.637E-05	5.67E-09	1.71E-08	1.35E-08	1.17E-08	5.26E-09	1.89E-10	4.57E-09	3.21E-09	2.78E-09	8.30E-10	1.16E-08
495111.06, 3858451.99	0.00445	1.623E-05	5.62E-09	1.70E-08	1.34E-08	1.16E-08	5.21E-09	1.88E-10	4.53E-09	3.18E-09	2.75E-09	8.22E-10	1.15E-08
495161.06, 3858451.99	0.00443	1.615E-05	5.59E-09	1.69E-08	1.33E-08	1.15E-08	5.19E-09	1.87E-10	4.51E-09	3.17E-09	2.74E-09	8.19E-10	1.14E-08
495211.06, 3858451.99	0.0044	1.605E-05	5.55E-09	1.68E-08	1.32E-08	1.15E-08	5.15E-09	1.85E-10	4.48E-09	3.15E-09	2.72E-09	8.13E-10	1.13E-08
495261.06, 3858451.99	0.00438	1.597E-05	5.53E-09	1.67E-08	1.32E-08	1.14E-08	5.13E-09	1.85E-10	4.46E-09	3.13E-09	2.71E-09	8.09E-10	1.13E-08
495311.06, 3858451.99	0.00438	1.597E-05	5.53E-09	1.67E-08	1.32E-08	1.14E-08	5.13E-09	1.85E-10	4.46E-09	3.13E-09	2.71E-09	8.09E-10	1.13E-08
495361.06, 3858451.99	0.00438	1.597E-05	5.53E-09	1.67E-08	1.32E-08	1.14E-08	5.13E-09	1.85E-10	4.46E-09	3.13E-09	2.71E-09	8.09E-10	1.13E-08
495411.06, 3858451.99	0.00439	1.601E-05	5.54E-09	1.67E-08	1.32E-08	1.14E-08	5.14E-09	1.85E-10	4.47E-09	3.14E-09	2.72E-09	8.11E-10	1.13E-08
495461.06, 3858451.99	0.0044	1.605E-05	5.55E-09	1.68E-08	1.32E-08	1.15E-08	5.15E-09	1.85E-10	4.48E-09	3.15E-09	2.72E-09	8.13E-10	1.13E-08
495511.06, 3858451.99	0.00439	1.601E-05	5.54E-09	1.67E-08	1.32E-08	1.14E-08	5.14E-09	1.85E-10	4.47E-09	3.14E-09	2.72E-09	8.11E-10	1.13E-08
495561.06, 3858451.99	0.00441	1.608E-05	5.57E-09	1.68E-08	1.33E-08	1.15E-08	5.17E-09	1.86E-10	4.49E-09	3.15E-09	2.73E-09	8.15E-10	1.14E-08
495611.06, 3858451.99	0.00441	1.608E-05	5.57E-09	1.68E-08	1.33E-08	1.15E-08	5.17E-09	1.86E-10	4.49E-09	3.15E-09	2.73E-09	8.15E-10	1.14E-08
495661.06, 3858451.99	0.00443	1.615E-05	5.59E-09	1.69E-08	1.33E-08	1.15E-08	5.19E-09	1.87E-10	4.51E-09	3.17E-09	2.74E-09	8.19E-10	1.14E-08
494311.06, 3858501.99	0.00487	1.776E-05	6.15E-09	1.86E-08	1.47E-08	1.27E-08	5.70E-09	2.05E-10	4.96E-09	3.48E-09	3.01E-09	9.00E-10	1.26E-08
494361.06, 3858501.99	0.00487	1.776E-05	6.15E-09	1.86E-08	1.47E-08	1.27E-08	5.70E-09	2.05E-10	4.96E-09	3.48E-09	3.01E-09	9.00E-10	1.26E-08
494411.06, 3858501.99	0.00486	1.772E-05	6.14E-09	1.85E-08	1.46E-08	1.27E-08	5.69E-09	2.05E-10	4.95E-09	3.48E-09	3.01E-09	8.98E-10	1.25E-08
494461.06, 3858501.99	0.00486	1.772E-05	6.14E-09	1.85E-08	1.46E-08	1.27E-08	5.69E-09	2.05E-10	4.95E-09	3.48E-09	3.01E-09	8.98E-10	1.25E-08
494511.06, 3858501.99	0.00484	1.765E-05	6.11E-09	1.84E-08	1.46E-08	1.26E-08	5.67E-09	2.04E-10	4.93E-09	3.46E-09	3.00E-09	8.94E-10	1.25E-08
494561.06, 3858501.99	0.00484	1.765E-05	6.11E-09	1.84E-08	1.46E-08	1.26E-08	5.67E-09	2.04E-10	4.93E-09	3.46E-09	3.00E-09	8.94E-10	1.25E-08
494611.06, 3858501.99	0.00482	1.758E-05	6.08E-09	1.84E-08	1.45E-08	1.26E-08	5.65E-09	2.03E-10	4.91E-09	3.45E-09	2.98E-09	8.91E-10	1.24E-08
494661.06, 3858501.99	0.0048	1.75E-05	6.06E-09	1.83E-08	1.45E-08	1.25E-08	5.62E-09	2.02E-10	4.89E-09	3.43E-09	2.97E-09	8.87E-10	1.24E-08
494711.06, 3858501.99	0.00478	1.743E-05	6.03E-09	1.82E-08	1.44E-08	1.25E-08	5.60E-09	2.01E-10	4.87E-09	3.42E-09	2.96E-09	8.83E-10	1.23E-08
494761.06, 3858501.99	0.00476	1.736E-05	6.01E-09	1.81E-08	1.43E-08	1.24E-08	5.58E-09	2.01E-10	4.85E-09	3.41E-09	2.95E-09	8.80E-10	1.23E-08
494811.06, 3858501.99	0.00473	1.725E-05	5.97E-09	1.80E-08	1.42E-08	1.23E-08	5.54E-09	1.99E-10	4.82E-09	3.38E-09	2.93E-09	8.74E-10	1.22E-08
494861.06, 3858501.99	0.00473	1.725E-05	5.97E-09	1.80E-08	1.42E-08	1.23E-08	5.54E-09	1.99E-10	4.82E-09	3.38E-09	2.93E-09	8.74E-10	1.22E-08
494911.06, 3858501.99	0.00471	1.718E-05	5.95E-09	1.80E-08	1.42E-08	1.23E-08	5.52E-09	1.99E-10	4.80E-09	3.37E-09	2.92E-09	8.70E-10	1.21E-08
494961.06, 3858501.99	0.0047	1.714E-05	5.93E-09	1.79E-08	1.42E-08	1.22E-08	5.51E-09	1.98E-10	4.79E-09	3.36E-09	2.91E-09	8.68E-10	1.21E-08
495011.06, 3858501.99	0.00468	1.707E-05	5.91E-09	1.78E-08	1.41E-08	1.22E-08	5.48E-09	1.97E-10	4.77E-09	3.35E-09	2.90E-09	8.65E-10	1.21E-08
495061.06, 3858501.99	0.00468	1.707E-05	5.91E-09	1.78E-08	1.41E-08	1.22E-08	5.48E-09	1.97E-10	4.77E-09	3.35E-09	2.90E-09	8.65E-10	1.21E-08
495111.06, 3858501.99	0.00464	1.692E-05	5.86E-09	1.77E-08	1.40E-08	1.21E-08	5.44E-09	1.96E-10	4.72E-09	3.32E-09	2.87E-09	8.57E-10	1.20E-08
495161.06, 3858501.99	0.0046	1.677E-05	5.81E-09	1.75E-08	1.38E-08	1.20E-08	5.39E-09	1.94E-10	4.68E-09	3.29E-09	2.85E-09	8.50E-10	1.19E-08
495211.06, 3858501.99	0.00458	1.67E-05	5.78E-09	1.75E-08	1.38E-08	1.19E-08	5.37E-09	1.93E-10	4.66E-09	3.28E-09	2.83E-09	8.46E-10	1.18E-08
495261.06, 3858501.99	0.00456	1.663E-05	5.76E-09	1.74E-08	1.37E-08	1.19E-08	5.34E-09	1.92E-10	4.64E-09	3.26E-09	2.82E-09	8.43E-10	1.18E-08
495311.06, 3858501.99	0.00456	1.663E-05	5.76E-09	1.74E-08	1.37E-08	1.19E-08	5.34E-09	1.92E-10	4.64E-09	3.26E-09	2.82E-09	8.43E-10	1.18E-08
495361.06, 3858501.99	0.00457	1.667E-05	5.77E-09	1.74E-08	1.38E-08	1.19E-08	5.35E-09	1.93E-10	4.65E-09	3.27E-09	2.83E-09	8.44E-10	1.18E-08
495411.06, 3858501.99	0.00458	1.67E-05	5.78E-09	1.75E-08	1.38E-08	1.19E-08	5.37E-09	1.93E-10	4.66E-09	3.28E-09	2.83E-09	8.46E-10	1.18E-08
495461.06, 3858501.99	0.00459	1.674E-05	5.79E-09	1.75E-08	1.38E-08	1.20E-08	5.38E-09	1.93E-10	4.67E-09	3.28E-09	2.84E-09	8.48E-10	1.18E-08
495511.06, 3858501.99	0.00459	1.674E-05	5.79E-09	1.75E-08	1.38E-08	1.20E-08	5.38E-09	1.93E-10	4.67E-09	3.28E-09	2.84E-09	8.48E-10	1.18E-08
495561.06, 3858501.99	0.00461	1.681E-05	5.82E-09	1.76E-08	1.39E-08	1.20E-08	5.40E-09	1.94E-10	4.69E-09	3.30E-09	2.85E-09	8.52E-10	1.19E-08
495611.06, 3858501.99	0.00457	1.667E-05	5.77E-09	1.74E-08	1.38E-08	1.19E-08	5.35E-09	1.93E-10	4.65E-09	3.27E-09	2.83E-09	8.44E-10	1.18E-08
495661.06, 3858501.99	0.00463	1.688E-05	5.84E-09	1.76E-08	1.39E-08	1.21E-08	5.42E-09	1.95E-10	4.71E-09	3.31E-09	2.87E-09	8.55E-10	1.19E-08
494311.06, 3858551.99	0.00495	1.805E-05	6.25E-09	1.89E-08	1.49E-08	1.29E-08	5.80E-09	2.09E-10	5.04E-09	3.54E-09	3.06E-09	9.15E-10	1.28E-08
494361.06, 3858551.99	0.00497	1.812E-05	6.27E-09	1.89E-08	1.50E-08	1.29E-08	5.82E-09	2.10E-10	5.06E-09	3.56E-09	3.08E-09	9.18E-10	1.28E-08
494411.06, 3858551.99	0.00506	1.845E-05	6.39E-09	1.93E-08	1.52E-08	1.32E-08	5.93E-09	2.13E-10	5.15E-09	3.62E-09	3.13E-09	9.35E-10	1.31E-08
494461.06, 3858551.99	0.00507	1.849E-05	6.40E-09	1.93E-08	1.53E-08	1.32E-08	5.94E-09	2.14E-10	5.16E-09	3.63E-09	3.14E-09	9.37E-10	1.31E-08
494511.06, 3858551.99	0.00506	1.845E-05	6.39E-09	1.93E-08	1.52E-08	1.32E-08	5.93E-09	2.13E-10	5.15E-09	3.62E-09	3.13E-09	9.35E-10	1.31E-08
494561.06, 3858551.99	0.00505	1.842E-05	6.37E-09	1.92E-08	1.52E-08	1.32E-08	5.92E-09	2.13E-10	5.14E-09	3.61E-09	3.13E-09	9.33E-10	1.30E-08
494611.06, 3858551.99	0.00503	1.834E-05	6.35E-09	1.92E-08	1.51E-08	1.31E-08	5.89E-09	2.12E-10	5.12E-09	3.60E-09	3.11E-09	9.29E-10	1.30E-08
494661.06, 3858551.99	0.00502	1.831E-05	6.34E-09	1.91E-08	1.51E-08	1.31E-08	5.88E-09	2.12E-10	5.11E-09	3.59E-09	3.11E-09	9.28E-10	1.29E-08
494711.06, 3858551.99	0.00499	1.82E-05	6.30E-09	1.90E-08	1.50E-08	1.30E-08	5.85E-09	2.10E-10	5.08E-09	3.57E-09	3.09E-09	9.22E-10	1.29E-08
494761.06, 3858551.99	0.00497	1.812E-05	6.27E-09	1.89E-08	1.50E-08	1.29E-08	5.82E-09	2.10E-10	5.06E-09	3.56E-09	3.08E-09	9.18E-10	1.28E-08
494811.06, 3858551.99	0.00497	1.812E-05	6.27E-09	1.89E-08	1.50E-08	1.29E-08	5.82E-09	2.10E-10	5.06E-09	3.56E-09	3.08E-09	9.18E-10	1.28E-08
494861.06, 3858551.99	0.00496	1.809E-05	6.26E-09	1.89E-08	1.49E-08	1.29E-08	5.81E-09	2.09E-10	5.05E-09	3.55E-09	3.07E-09	9.16E-10	1.28E-08
494911.06, 3858551.99	0.00494	1.801E-05	6.24E-09	1.88E-08	1.49E-08	1.29E-08	5.79E-09	2.08E-10	5.03E-09	3.53E-09	3.06E-09	9.13E-10	1.27E-08
494961.06, 3858551.99	0.00492	1.794E-05	6.21E-09	1.88E-08	1.48E-08	1.28E-08	5.76E-09	2.07E-10	5.01E-09	3.52E-09	3.05E-09	9.09E-10	1.27E-08
495011.06, 3858551.99	0.00489	1.783E-05	6.17E-09	1.86E-08	1.47E-08	1.27E-08	5.73E-09	2.06E-10	4.98E-09	3.50E-09	3.03E-09	9.04E-10	1.26E-08
495061.06, 3858551.99	0.00487	1.776E-05	6.15E-09	1.86E-08	1.47E-08	1.27E-08	5.70E-09	2.05E-10	4.96E-09	3.48E-09	3.01E-09	9.00E-10	1.26E-08
495111.06, 3858551.99	0.00483	1.761E-05	6.10E-09	1.84E-08	1.45E-08	1.26E-08	5.66E-09	2.04E-10	4.92E-09	3.46E-09	2.99E-09	8.92E-10	1.25E-08
495161.06, 3858551.99	0.0048	1.75E-05	6.06E-09	1.83E-08	1.45E-08	1.25E-08	5.62E-09	2.02E-10	4.89E-09	3.43E-09	2.97E-09	8.87E-10	1.24E-08
495211.06, 3858551.99	0.00478	1.743E-05	6.03E-09	1.82E-08	1.44E-08	1.25E-08	5.60E-09	2.01E-10	4.87E-09	3.42E-09	2.96E-09	8.83E-10	1.23E-08
495261.06, 3858551.99	0.00477	1.739E-05	6.02E-09	1.82E-08	1.44E-08	1.24E-08	5.59E-09	2.01E-10	4.86E-09	3.41E-09	2.95E-09	8.81E-10	1.23E-08
495311.06, 3858551.99	0.00477	1.739E-05	6.02E-09	1.82E-08	1.44E-08	1.24E-08	5.59E-09	2.01E-10	4.86E-09	3.41E-09	2.95E-09	8.81E-10	1.23E-08
495361.06, 3858551.99	0.00477	1.739E-05	6.02E-09	1.82E-08	1.44E-08	1.24E-08	5.59E-09	2.01E-10	4.86E-09	3.41E-09	2.95E-09	8.81E-10	1.23E-08
495411.06, 3858551.99	0.00479	1.747E-05	6.05E-09	1.83E-08	1.44E-08	1.25E-08	5.61E-09	2.02E-10	4.88E-09	3.43E-09	2.96E-09	8.85E-10	1.24E-08
495461.06, 3858551.99	0.00479	1.747E-05	6.05E-09	1.83E-08	1.44E-08	1.25E-08	5.61E-09	2.02E-10	4.88E-09	3.43E-09	2.96E-09	8.85E-10	1.24E-08
495511.06, 3858551.99	0.00481	1.754E-05	6.07E-09	1.83E-08	1.45E-08	1.25E-08	5.63E-09	2.03E-10	4.90E-09	3.44E-09	2.98E-09	8.89E-10	1.24E-08
495561.06, 3858551.99	0.00481	1.754E-05	6.07E-09	1.83E-08	1.45E-08	1.25E-08	5.63E-09	2.03E-10	4.90E-09	3.44E-09	2.98E-09	8.89E-10	1.24E-08
495611.06, 3858551.99	0.00482	1.758E-05	6.08E-09	1.84E-08	1.45E-08	1.26E-08	5.65E-09	2.03E-10	4.91E-09	3.45E-09	2.98E-09	8.91E-10	1.24E-08

495661.06, 3858551.99	0.00483	1.761E-05	6.10E-09	1.84E-08	1.45E-08	1.26E-08	5.66E-09	2.04E-10	4.92E-09	3.46E-09	2.99E-09	8.92E-10	1.25E-08
494311.06, 3858601.99	0.00505	1.842E-05	6.37E-09	1.92E-08	1.52E-08	1.32E-08	5.92E-09	2.13E-10	5.14E-09	3.61E-09	3.13E-09	9.33E-10	1.30E-08
494361.06, 3858601.99	0.00513	1.871E-05	6.48E-09	1.96E-08	1.54E-08	1.34E-08	6.01E-09	2.16E-10	5.22E-09	3.67E-09	3.18E-09	9.48E-10	1.32E-08
494411.06, 3858601.99	0.00529	1.929E-05	6.68E-09	2.02E-08	1.59E-08	1.38E-08	6.20E-09	2.23E-10	5.39E-09	3.78E-09	3.27E-09	9.77E-10	1.36E-08
494461.06, 3858601.99	0.0053	1.933E-05	6.69E-09	2.02E-08	1.60E-08	1.38E-08	6.21E-09	2.23E-10	5.40E-09	3.79E-09	3.28E-09	9.79E-10	1.37E-08
494511.06, 3858601.99	0.00525	1.914E-05	6.63E-09	2.00E-08	1.58E-08	1.37E-08	6.15E-09	2.21E-10	5.35E-09	3.76E-09	3.25E-09	9.70E-10	1.35E-08
494561.06, 3858601.99	0.00529	1.929E-05	6.68E-09	2.02E-08	1.59E-08	1.38E-08	6.20E-09	2.23E-10	5.39E-09	3.78E-09	3.27E-09	9.77E-10	1.36E-08
494611.06, 3858601.99	0.00526	1.918E-05	6.64E-09	2.00E-08	1.58E-08	1.37E-08	6.16E-09	2.22E-10	5.36E-09	3.76E-09	3.26E-09	9.72E-10	1.36E-08
494661.06, 3858601.99	0.00525	1.914E-05	6.63E-09	2.00E-08	1.58E-08	1.37E-08	6.15E-09	2.21E-10	5.35E-09	3.76E-09	3.25E-09	9.70E-10	1.35E-08
494711.06, 3858601.99	0.00523	1.907E-05	6.60E-09	1.99E-08	1.57E-08	1.36E-08	6.13E-09	2.20E-10	5.33E-09	3.74E-09	3.24E-09	9.66E-10	1.35E-08
494761.06, 3858601.99	0.00521	1.9E-05	6.58E-09	1.99E-08	1.57E-08	1.36E-08	6.10E-09	2.20E-10	5.30E-09	3.73E-09	3.22E-09	9.63E-10	1.34E-08
494811.06, 3858601.99	0.00518	1.889E-05	6.54E-09	1.97E-08	1.56E-08	1.35E-08	6.07E-09	2.18E-10	5.27E-09	3.71E-09	3.21E-09	9.57E-10	1.34E-08
494861.06, 3858601.99	0.00518	1.889E-05	6.54E-09	1.97E-08	1.56E-08	1.35E-08	6.07E-09	2.18E-10	5.27E-09	3.71E-09	3.21E-09	9.57E-10	1.34E-08
494911.06, 3858601.99	0.00516	1.882E-05	6.51E-09	1.97E-08	1.55E-08	1.34E-08	6.04E-09	2.18E-10	5.25E-09	3.69E-09	3.19E-09	9.53E-10	1.33E-08
494961.06, 3858601.99	0.00515	1.878E-05	6.50E-09	1.96E-08	1.55E-08	1.34E-08	6.03E-09	2.17E-10	5.24E-09	3.68E-09	3.19E-09	9.52E-10	1.33E-08
495011.06, 3858601.99	0.00513	1.871E-05	6.48E-09	1.96E-08	1.54E-08	1.34E-08	6.01E-09	2.16E-10	5.22E-09	3.67E-09	3.18E-09	9.48E-10	1.32E-08
495061.06, 3858601.99	0.00508	1.853E-05	6.41E-09	1.94E-08	1.53E-08	1.32E-08	5.95E-09	2.14E-10	5.17E-09	3.63E-09	3.14E-09	9.39E-10	1.31E-08
495111.06, 3858601.99	0.00503	1.834E-05	6.35E-09	1.92E-08	1.51E-08	1.31E-08	5.89E-09	2.12E-10	5.12E-09	3.60E-09	3.11E-09	9.29E-10	1.30E-08
495161.06, 3858601.99	0.005	1.823E-05	6.31E-09	1.91E-08	1.51E-08	1.30E-08	5.86E-09	2.11E-10	5.09E-09	3.58E-09	3.09E-09	9.24E-10	1.29E-08
495211.06, 3858601.99	0.00499	1.82E-05	6.30E-09	1.90E-08	1.50E-08	1.30E-08	5.85E-09	2.10E-10	5.08E-09	3.57E-09	3.09E-09	9.22E-10	1.29E-08
495261.06, 3858601.99	0.00498	1.816E-05	6.29E-09	1.90E-08	1.50E-08	1.30E-08	5.83E-09	2.10E-10	5.07E-09	3.56E-09	3.08E-09	9.20E-10	1.28E-08
495311.06, 3858601.99	0.00498	1.816E-05	6.29E-09	1.90E-08	1.50E-08	1.30E-08	5.83E-09	2.10E-10	5.07E-09	3.56E-09	3.08E-09	9.20E-10	1.28E-08
495361.06, 3858601.99	0.00499	1.82E-05	6.30E-09	1.90E-08	1.50E-08	1.30E-08	5.85E-09	2.10E-10	5.08E-09	3.57E-09	3.09E-09	9.22E-10	1.29E-08
495411.06, 3858601.99	0.005	1.823E-05	6.31E-09	1.91E-08	1.51E-08	1.30E-08	5.86E-09	2.11E-10	5.09E-09	3.58E-09	3.09E-09	9.24E-10	1.29E-08
495461.06, 3858601.99	0.00501	1.827E-05	6.32E-09	1.91E-08	1.51E-08	1.31E-08	5.87E-09	2.11E-10	5.10E-09	3.58E-09	3.10E-09	9.26E-10	1.29E-08
495511.06, 3858601.99	0.00502	1.831E-05	6.34E-09	1.91E-08	1.51E-08	1.31E-08	5.88E-09	2.12E-10	5.11E-09	3.59E-09	3.11E-09	9.28E-10	1.29E-08
495561.06, 3858601.99	0.00503	1.834E-05	6.35E-09	1.92E-08	1.51E-08	1.31E-08	5.89E-09	2.12E-10	5.12E-09	3.60E-09	3.11E-09	9.29E-10	1.30E-08
495611.06, 3858601.99	0.00503	1.834E-05	6.35E-09	1.92E-08	1.51E-08	1.31E-08	5.89E-09	2.12E-10	5.12E-09	3.60E-09	3.11E-09	9.29E-10	1.30E-08
495661.06, 3858601.99	0.00505	1.842E-05	6.37E-09	1.92E-08	1.52E-08	1.32E-08	5.92E-09	2.13E-10	5.14E-09	3.61E-09	3.13E-09	9.33E-10	1.30E-08
494311.06, 3858651.99	0.0052	1.896E-05	6.56E-09	1.98E-08	1.57E-08	1.35E-08	6.09E-09	2.19E-10	5.29E-09	3.72E-09	3.22E-09	9.61E-10	1.34E-08
494361.06, 3858651.99	0.00528	1.925E-05	6.67E-09	2.01E-08	1.59E-08	1.38E-08	6.19E-09	2.23E-10	5.38E-09	3.78E-09	3.27E-09	9.76E-10	1.36E-08
494411.06, 3858651.99	0.00543	1.98E-05	6.85E-09	2.07E-08	1.63E-08	1.41E-08	6.36E-09	2.29E-10	5.53E-09	3.88E-09	3.36E-09	1.00E-09	1.40E-08
494461.06, 3858651.99	0.00553	2.017E-05	6.98E-09	2.11E-08	1.66E-08	1.44E-08	6.48E-09	2.33E-10	5.63E-09	3.96E-09	3.42E-09	1.02E-09	1.43E-08
494511.06, 3858651.99	0.00552	2.013E-05	6.97E-09	2.10E-08	1.66E-08	1.44E-08	6.47E-09	2.33E-10	5.62E-09	3.95E-09	3.42E-09	1.02E-09	1.42E-08
494561.06, 3858651.99	0.00552	2.013E-05	6.97E-09	2.10E-08	1.66E-08	1.44E-08	6.47E-09	2.33E-10	5.62E-09	3.95E-09	3.42E-09	1.02E-09	1.42E-08
494611.06, 3858651.99	0.00551	2.009E-05	6.96E-09	2.10E-08	1.66E-08	1.44E-08	6.45E-09	2.32E-10	5.61E-09	3.94E-09	3.41E-09	1.02E-09	1.42E-08
494661.06, 3858651.99	0.00549	2.002E-05	6.93E-09	2.09E-08	1.65E-08	1.43E-08	6.43E-09	2.31E-10	5.59E-09	3.93E-09	3.40E-09	1.01E-09	1.42E-08
494711.06, 3858651.99	0.00547	1.995E-05	6.91E-09	2.08E-08	1.65E-08	1.42E-08	6.41E-09	2.31E-10	5.57E-09	3.91E-09	3.39E-09	1.01E-09	1.41E-08
494761.06, 3858651.99	0.00546	1.991E-05	6.89E-09	2.08E-08	1.64E-08	1.42E-08	6.40E-09	2.30E-10	5.56E-09	3.91E-09	3.38E-09	1.01E-09	1.41E-08
494811.06, 3858651.99	0.00544	1.984E-05	6.87E-09	2.07E-08	1.64E-08	1.42E-08	6.37E-09	2.29E-10	5.54E-09	3.89E-09	3.37E-09	1.01E-09	1.40E-08
494861.06, 3858651.99	0.00542	1.976E-05	6.84E-09	2.07E-08	1.63E-08	1.41E-08	6.35E-09	2.28E-10	5.52E-09	3.88E-09	3.35E-09	1.00E-09	1.40E-08
494911.06, 3858651.99	0.0054	1.969E-05	6.82E-09	2.06E-08	1.63E-08	1.41E-08	6.33E-09	2.28E-10	5.50E-09	3.86E-09	3.34E-09	9.98E-10	1.39E-08
494961.06, 3858651.99	0.00538	1.962E-05	6.79E-09	2.05E-08	1.62E-08	1.40E-08	6.30E-09	2.27E-10	5.48E-09	3.85E-09	3.33E-09	9.94E-10	1.39E-08
495011.06, 3858651.99	0.00536	1.955E-05	6.77E-09	2.04E-08	1.61E-08	1.40E-08	6.28E-09	2.26E-10	5.46E-09	3.83E-09	3.32E-09	9.90E-10	1.38E-08
495061.06, 3858651.99	0.00532	1.94E-05	6.72E-09	2.03E-08	1.60E-08	1.39E-08	6.23E-09	2.24E-10	5.42E-09	3.81E-09	3.29E-09	9.83E-10	1.37E-08
495111.06, 3858651.99	0.00526	1.918E-05	6.64E-09	2.00E-08	1.58E-08	1.37E-08	6.16E-09	2.22E-10	5.36E-09	3.76E-09	3.26E-09	9.72E-10	1.36E-08
495161.06, 3858651.99	0.00524	1.911E-05	6.61E-09	2.00E-08	1.58E-08	1.37E-08	6.14E-09	2.21E-10	5.34E-09	3.75E-09	3.24E-09	9.68E-10	1.35E-08
495211.06, 3858651.99	0.00521	1.9E-05	6.58E-09	1.99E-08	1.57E-08	1.36E-08	6.10E-09	2.20E-10	5.30E-09	3.73E-09	3.22E-09	9.63E-10	1.34E-08
495261.06, 3858651.99	0.00521	1.9E-05	6.58E-09	1.99E-08	1.57E-08	1.36E-08	6.10E-09	2.20E-10	5.30E-09	3.73E-09	3.22E-09	9.63E-10	1.34E-08
495311.06, 3858651.99	0.00521	1.9E-05	6.58E-09	1.99E-08	1.57E-08	1.36E-08	6.10E-09	2.20E-10	5.30E-09	3.73E-09	3.22E-09	9.63E-10	1.34E-08
495361.06, 3858651.99	0.00522	1.904E-05	6.59E-09	1.99E-08	1.57E-08	1.36E-08	6.11E-09	2.20E-10	5.32E-09	3.73E-09	3.23E-09	9.65E-10	1.35E-08
495411.06, 3858651.99	0.00524	1.911E-05	6.61E-09	2.00E-08	1.58E-08	1.37E-08	6.14E-09	2.21E-10	5.34E-09	3.75E-09	3.24E-09	9.68E-10	1.35E-08
495461.06, 3858651.99	0.00526	1.918E-05	6.64E-09	2.00E-08	1.58E-08	1.37E-08	6.16E-09	2.22E-10	5.36E-09	3.76E-09	3.26E-09	9.72E-10	1.36E-08
495511.06, 3858651.99	0.00526	1.918E-05	6.64E-09	2.00E-08	1.58E-08	1.37E-08	6.16E-09	2.22E-10	5.36E-09	3.76E-09	3.26E-09	9.72E-10	1.36E-08
495561.06, 3858651.99	0.00526	1.918E-05	6.64E-09	2.00E-08	1.58E-08	1.37E-08	6.16E-09	2.22E-10	5.36E-09	3.76E-09	3.26E-09	9.72E-10	1.36E-08
495611.06, 3858651.99	0.00526	1.918E-05	6.64E-09	2.00E-08	1.58E-08	1.37E-08	6.16E-09	2.22E-10	5.36E-09	3.76E-09	3.26E-09	9.72E-10	1.36E-08
495661.06, 3858651.99	0.00528	1.925E-05	6.67E-09	2.01E-08	1.59E-08	1.38E-08	6.19E-09	2.23E-10	5.38E-09	3.78E-09	3.27E-09	9.76E-10	1.36E-08
494311.06, 3858701.99	0.00541	1.973E-05	6.83E-09	2.06E-08	1.63E-08	1.41E-08	6.34E-09	2.28E-10	5.51E-09	3.87E-09	3.35E-09	1.00E-09	1.40E-08
494361.06, 3858701.99	0.00554	2.02E-05	6.99E-09	2.11E-08	1.67E-08	1.44E-08	6.49E-09	2.34E-10	5.64E-09	3.96E-09	3.43E-09	1.02E-09	1.43E-08
494411.06, 3858701.99	0.00566	2.064E-05	7.14E-09	2.16E-08	1.70E-08	1.47E-08	6.63E-09	2.39E-10	5.76E-09	4.05E-09	3.50E-09	1.05E-09	1.46E-08
494461.06, 3858701.99	0.00568	2.071E-05	7.17E-09	2.16E-08	1.71E-08	1.48E-08	6.65E-09	2.39E-10	5.78E-09	4.06E-09	3.52E-09	1.05E-09	1.47E-08
494511.06, 3858701.99	0.00577	2.104E-05	7.28E-09	2.20E-08	1.74E-08	1.50E-08	6.76E-09	2.43E-10	5.88E-09	4.13E-09	3.57E-09	1.07E-09	1.49E-08
494561.06, 3858701.99	0.00577	2.104E-05	7.28E-09	2.20E-08	1.74E-08	1.50E-08	6.76E-09	2.43E-10	5.88E-09	4.13E-09	3.57E-09	1.07E-09	1.49E-08
494611.06, 3858701.99	0.00573	2.09E-05	7.23E-09	2.18E-08	1.73E-08	1.49E-08	6.71E-09	2.42E-10	5.83E-09	4.10E-09	3.55E-09	1.06E-09	1.48E-08
494661.06, 3858701.99	0.00574	2.093E-05	7.25E-09	2.19E-08	1.73E-08	1.50E-08	6.72E-09	2.42E-10	5.84E-09	4.11E-09	3.55E-09	1.06E-09	1.48E-08
494711.06, 3858701.99	0.00565	2.06E-05	7.13E-09	2.15E-08	1.70E-08	1.47E-08	6.62E-09	2.38E-10	5.75E-09	4.04E-09	3.50E-09	1.04E-09	1.46E-08
494761.06, 3858701.99	0.0057	2.079E-05	7.20E-09	2.17E-08	1.72E-08	1.48E-08	6.68E-09	2.40E-10	5.80E-09	4.08E-09	3.53E-09	1.05E-09	1.47E-08
494811.06, 3858701.99	0.00568	2.071E-05	7.17E-09	2.16E-08	1.71E-08	1.48E-08	6.65E-09	2.39E-10	5.78E-09	4.06E-09	3.52E-09	1.05E-09	1.47E-08
494861.06, 3858701.99	0.00567	2.068E-05	7.16E-09	2.16E-08	1.71E-08	1.48E-08	6.64E-09	2.39E-10	5.77E-09	4.06E-09	3.51E-09	1.05E-09	1.46E-08
494911.06, 3858701.99	0.00566	2.064E-05	7.14E-09	2.16E-08	1.70E-08	1.47E-08	6.63E-09	2.39E-10	5.76E-09	4.05E-09	3.50E-09	1.05E-09	1.46E-08
494961.06, 3858701.99	0.00561	2.046E-05	7.08E-09	2.14E-08	1.69E-08	1.46E-08	6.57E-09	2.36E-10	5.71E-09	4.01E-09	3.47E-09	1.04E-09	1.45E-08
495011.06, 3858701.99	0.00558	2.035E-05	7.04E-09	2.13E-08	1.68E-08	1.45E-08	6.54E-09	2.35E-10	5.68E-09	3.99E-09	3.45E-09	1.03E-09	1.44E-08
495061.06, 3858701.99	0.00556	2.028E-05	7.02E-09	2.12E-08	1.67E-08	1.45E-08	6.51E-09	2.34E-10	5.66E-09	3.98E-09	3.44E-09	1.03E-09	1.43E-08
495111.06, 3858701.99	0.00552	2.013E-05	6.97E-09	2.10E-08	1.66E-08	1.44E-08	6.47E-09	2.33E-10	5.62E-09	3.95E-09	3.42E-09	1.02E-09	1.42E-08
495161.06, 3858701.99	0.00549	2.002E-05	6.93E-09	2.09E-08	1.65E-08	1.43E-08	6.43E-09	2.31E-10	5.59E-09	3.93E-09	3.40E-09	1.01E-09	1.42E-08
495211.06, 3858701.99	0.00547	1.995E-05	6.91E-09	2.08E-08	1.65E-08	1.42E-08	6.41E-09	2.31E-10	5.57E-09	3.91E-09	3.39E-09	1.01E-09	1.41E-08
495261.06, 3858701.99	0.00547	1.995E-05	6.91E-09	2.08E-08	1.65E-08	1.42E-08	6.41E-09	2.31E-10	5.57E-09	3.91E-09	3.39E-09	1.01E-09	1.41E-08
495311.06, 3858701.99	0.00548	1.998E-05	6.92E-09	2.09E-08	1.65E-08	1.43E-08	6.42E-09	2.31E-10	5.58E-09	3.92E-09	3.39E-09	1.01E-09	1.41E-08
495361.06, 3858701.99	0.00549	2.002E-05	6.93E-09	2.09E-08	1.65E-08	1.43E-08	6.43E-09	2.31E-10	5.59E-09	3.93E-09	3.40E-09	1.01E-09	1.42E-08
495411.06, 3858701.99	0.00551	2.009E-05	6.96E-09	2.10E-08	1.66E-08	1.44E-08	6.45E-09	2.32E-10	5.61E-09	3.94E-09	3.41E-09	1.02E-09	1.42E-08

495461.06, 3858701.99	0.00552	2.013E-05	6.97E-09	2.10E-08	1.66E-08	1.44E-08	6.47E-09	2.33E-10	5.62E-09	3.95E-09	3.42E-09	1.02E-09	1.42E-08
495511.06, 3858701.99	0.00551	2.009E-05	6.96E-09	2.10E-08	1.66E-08	1.44E-08	6.45E-09	2.32E-10	5.61E-09	3.94E-09	3.41E-09	1.02E-09	1.42E-08
495561.06, 3858701.99	0.00551	2.009E-05	6.96E-09	2.10E-08	1.66E-08	1.44E-08	6.45E-09	2.32E-10	5.61E-09	3.94E-09	3.41E-09	1.02E-09	1.42E-08
495611.06, 3858701.99	0.00552	2.013E-05	6.97E-09	2.10E-08	1.66E-08	1.44E-08	6.47E-09	2.33E-10	5.62E-09	3.95E-09	3.42E-09	1.02E-09	1.42E-08
495661.06, 3858701.99	0.00553	2.017E-05	6.98E-09	2.11E-08	1.66E-08	1.44E-08	6.48E-09	2.33E-10	5.63E-09	3.96E-09	3.42E-09	1.02E-09	1.43E-08
494311.06, 3858751.99	0.00562	2.049E-05	7.09E-09	2.14E-08	1.69E-08	1.46E-08	6.58E-09	2.37E-10	5.72E-09	4.02E-09	3.48E-09	1.04E-09	1.45E-08
494361.06, 3858751.99	0.0058	2.115E-05	7.32E-09	2.21E-08	1.75E-08	1.51E-08	6.79E-09	2.44E-10	5.91E-09	4.15E-09	3.59E-09	1.07E-09	1.50E-08
494411.06, 3858751.99	0.00591	2.155E-05	7.46E-09	2.25E-08	1.78E-08	1.54E-08	6.92E-09	2.49E-10	6.02E-09	4.23E-09	3.66E-09	1.09E-09	1.52E-08
494461.06, 3858751.99	0.00594	2.166E-05	7.50E-09	2.26E-08	1.79E-08	1.55E-08	6.96E-09	2.50E-10	6.05E-09	4.25E-09	3.68E-09	1.10E-09	1.53E-08
494511.06, 3858751.99	0.00605	2.206E-05	7.64E-09	2.31E-08	1.82E-08	1.58E-08	7.09E-09	2.55E-10	6.16E-09	4.33E-09	3.74E-09	1.12E-09	1.56E-08
494561.06, 3858751.99	0.00599	2.184E-05	7.56E-09	2.28E-08	1.80E-08	1.56E-08	7.02E-09	2.52E-10	6.10E-09	4.28E-09	3.71E-09	1.11E-09	1.55E-08
494611.06, 3858751.99	0.00598	2.181E-05	7.55E-09	2.28E-08	1.80E-08	1.56E-08	7.01E-09	2.52E-10	6.09E-09	4.28E-09	3.70E-09	1.10E-09	1.54E-08
494661.06, 3858751.99	0.00593	2.162E-05	7.49E-09	2.26E-08	1.79E-08	1.54E-08	6.95E-09	2.50E-10	6.04E-09	4.24E-09	3.67E-09	1.10E-09	1.53E-08
494711.06, 3858751.99	0.00589	2.148E-05	7.44E-09	2.24E-08	1.77E-08	1.53E-08	6.90E-09	2.48E-10	6.00E-09	4.21E-09	3.65E-09	1.09E-09	1.52E-08
494761.06, 3858751.99	0.00597	2.177E-05	7.54E-09	2.28E-08	1.80E-08	1.56E-08	6.99E-09	2.52E-10	6.08E-09	4.27E-09	3.70E-09	1.10E-09	1.54E-08
494811.06, 3858751.99	0.00594	2.166E-05	7.50E-09	2.26E-08	1.79E-08	1.55E-08	6.96E-09	2.50E-10	6.05E-09	4.25E-09	3.68E-09	1.10E-09	1.53E-08
494861.06, 3858751.99	0.00592	2.159E-05	7.47E-09	2.26E-08	1.78E-08	1.54E-08	6.93E-09	2.50E-10	6.03E-09	4.23E-09	3.66E-09	1.09E-09	1.53E-08
494911.06, 3858751.99	0.00589	2.148E-05	7.44E-09	2.24E-08	1.77E-08	1.53E-08	6.90E-09	2.48E-10	6.00E-09	4.21E-09	3.65E-09	1.09E-09	1.52E-08
494961.06, 3858751.99	0.00587	2.141E-05	7.41E-09	2.24E-08	1.77E-08	1.53E-08	6.88E-09	2.47E-10	5.98E-09	4.20E-09	3.63E-09	1.08E-09	1.51E-08
495011.06, 3858751.99	0.00586	2.137E-05	7.40E-09	2.23E-08	1.76E-08	1.53E-08	6.86E-09	2.47E-10	5.97E-09	4.19E-09	3.63E-09	1.08E-09	1.51E-08
495061.06, 3858751.99	0.00582	2.122E-05	7.35E-09	2.22E-08	1.75E-08	1.52E-08	6.82E-09	2.45E-10	5.93E-09	4.16E-09	3.60E-09	1.08E-09	1.50E-08
495111.06, 3858751.99	0.00578	2.108E-05	7.30E-09	2.20E-08	1.74E-08	1.51E-08	6.77E-09	2.44E-10	5.89E-09	4.13E-09	3.58E-09	1.07E-09	1.49E-08
495161.06, 3858751.99	0.00575	2.097E-05	7.26E-09	2.19E-08	1.73E-08	1.50E-08	6.74E-09	2.42E-10	5.85E-09	4.11E-09	3.56E-09	1.06E-09	1.48E-08
495211.06, 3858751.99	0.00573	2.09E-05	7.23E-09	2.18E-08	1.73E-08	1.49E-08	6.71E-09	2.42E-10	5.83E-09	4.10E-09	3.55E-09	1.06E-09	1.48E-08
495261.06, 3858751.99	0.00573	2.09E-05	7.23E-09	2.18E-08	1.73E-08	1.49E-08	6.71E-09	2.42E-10	5.83E-09	4.10E-09	3.55E-09	1.06E-09	1.48E-08
495311.06, 3858751.99	0.00575	2.097E-05	7.26E-09	2.19E-08	1.73E-08	1.50E-08	6.74E-09	2.42E-10	5.85E-09	4.11E-09	3.56E-09	1.06E-09	1.48E-08
495361.06, 3858751.99	0.00576	2.1E-05	7.27E-09	2.20E-08	1.73E-08	1.50E-08	6.75E-09	2.43E-10	5.86E-09	4.12E-09	3.57E-09	1.06E-09	1.49E-08
495411.06, 3858751.99	0.00578	2.108E-05	7.30E-09	2.20E-08	1.74E-08	1.51E-08	6.77E-09	2.44E-10	5.89E-09	4.13E-09	3.58E-09	1.07E-09	1.49E-08
495461.06, 3858751.99	0.00579	2.111E-05	7.31E-09	2.21E-08	1.74E-08	1.51E-08	6.78E-09	2.44E-10	5.90E-09	4.14E-09	3.58E-09	1.07E-09	1.49E-08
495511.06, 3858751.99	0.0058	2.115E-05	7.32E-09	2.21E-08	1.75E-08	1.51E-08	6.79E-09	2.44E-10	5.91E-09	4.15E-09	3.59E-09	1.07E-09	1.50E-08
495561.06, 3858751.99	0.00581	2.119E-05	7.33E-09	2.21E-08	1.75E-08	1.51E-08	6.81E-09	2.45E-10	5.92E-09	4.16E-09	3.60E-09	1.07E-09	1.50E-08
495611.06, 3858751.99	0.00582	2.122E-05	7.35E-09	2.22E-08	1.75E-08	1.52E-08	6.82E-09	2.45E-10	5.93E-09	4.16E-09	3.60E-09	1.08E-09	1.50E-08
495661.06, 3858751.99	0.00583	2.126E-05	7.36E-09	2.22E-08	1.76E-08	1.52E-08	6.83E-09	2.46E-10	5.94E-09	4.17E-09	3.61E-09	1.08E-09	1.50E-08
494311.06, 3858801.99	0.00586	2.137E-05	7.40E-09	2.23E-08	1.76E-08	1.53E-08	6.86E-09	2.47E-10	5.97E-09	4.19E-09	3.63E-09	1.08E-09	1.51E-08
494361.06, 3858801.99	0.00606	2.21E-05	7.65E-09	2.31E-08	1.82E-08	1.58E-08	7.10E-09	2.55E-10	6.17E-09	4.34E-09	3.75E-09	1.12E-09	1.56E-08
494411.06, 3858801.99	0.00615	2.243E-05	7.76E-09	2.34E-08	1.85E-08	1.60E-08	7.20E-09	2.59E-10	6.26E-09	4.40E-09	3.81E-09	1.14E-09	1.59E-08
494461.06, 3858801.99	0.00621	2.265E-05	7.84E-09	2.37E-08	1.87E-08	1.62E-08	7.27E-09	2.62E-10	6.32E-09	4.44E-09	3.84E-09	1.15E-09	1.60E-08
494511.06, 3858801.99	0.00634	2.312E-05	8.00E-09	2.42E-08	1.91E-08	1.65E-08	7.43E-09	2.67E-10	6.46E-09	4.54E-09	3.92E-09	1.17E-09	1.64E-08
494561.06, 3858801.99	0.00635	2.316E-05	8.02E-09	2.42E-08	1.91E-08	1.65E-08	7.44E-09	2.68E-10	6.47E-09	4.54E-09	3.93E-09	1.17E-09	1.64E-08
494611.06, 3858801.99	0.00634	2.312E-05	8.00E-09	2.42E-08	1.91E-08	1.65E-08	7.43E-09	2.67E-10	6.46E-09	4.54E-09	3.92E-09	1.17E-09	1.64E-08
494661.06, 3858801.99	0.00631	2.301E-05	7.97E-09	2.41E-08	1.90E-08	1.64E-08	7.39E-09	2.66E-10	6.42E-09	4.51E-09	3.91E-09	1.17E-09	1.63E-08
494711.06, 3858801.99	0.00628	2.29E-05	7.93E-09	2.39E-08	1.89E-08	1.64E-08	7.36E-09	2.65E-10	6.39E-09	4.49E-09	3.89E-09	1.16E-09	1.62E-08
494761.06, 3858801.99	0.00624	2.276E-05	7.88E-09	2.38E-08	1.88E-08	1.63E-08	7.31E-09	2.63E-10	6.35E-09	4.46E-09	3.86E-09	1.15E-09	1.61E-08
494811.06, 3858801.99	0.0062	2.261E-05	7.83E-09	2.36E-08	1.87E-08	1.62E-08	7.26E-09	2.61E-10	6.31E-09	4.44E-09	3.84E-09	1.15E-09	1.60E-08
494861.06, 3858801.99	0.0062	2.261E-05	7.83E-09	2.36E-08	1.87E-08	1.62E-08	7.26E-09	2.61E-10	6.31E-09	4.44E-09	3.84E-09	1.15E-09	1.60E-08
494911.06, 3858801.99	0.00617	2.25E-05	7.79E-09	2.35E-08	1.86E-08	1.61E-08	7.23E-09	2.60E-10	6.28E-09	4.41E-09	3.82E-09	1.14E-09	1.59E-08
494961.06, 3858801.99	0.00615	2.243E-05	7.76E-09	2.34E-08	1.85E-08	1.60E-08	7.20E-09	2.59E-10	6.26E-09	4.40E-09	3.81E-09	1.14E-09	1.59E-08
495011.06, 3858801.99	0.00612	2.232E-05	7.73E-09	2.33E-08	1.84E-08	1.59E-08	7.17E-09	2.58E-10	6.23E-09	4.38E-09	3.79E-09	1.13E-09	1.58E-08
495061.06, 3858801.99	0.0061	2.224E-05	7.70E-09	2.33E-08	1.84E-08	1.59E-08	7.15E-09	2.57E-10	6.21E-09	4.36E-09	3.78E-09	1.13E-09	1.57E-08
495111.06, 3858801.99	0.00605	2.206E-05	7.64E-09	2.31E-08	1.82E-08	1.58E-08	7.09E-09	2.55E-10	6.16E-09	4.33E-09	3.74E-09	1.12E-09	1.56E-08
495161.06, 3858801.99	0.00602	2.195E-05	7.60E-09	2.29E-08	1.81E-08	1.57E-08	7.05E-09	2.54E-10	6.13E-09	4.31E-09	3.73E-09	1.11E-09	1.55E-08
495211.06, 3858801.99	0.00601	2.192E-05	7.59E-09	2.29E-08	1.81E-08	1.57E-08	7.04E-09	2.53E-10	6.12E-09	4.30E-09	3.72E-09	1.11E-09	1.55E-08
495261.06, 3858801.99	0.00602	2.195E-05	7.60E-09	2.29E-08	1.81E-08	1.57E-08	7.05E-09	2.54E-10	6.13E-09	4.31E-09	3.73E-09	1.11E-09	1.55E-08
495311.06, 3858801.99	0.00604	2.203E-05	7.62E-09	2.30E-08	1.82E-08	1.57E-08	7.08E-09	2.55E-10	6.15E-09	4.32E-09	3.74E-09	1.12E-09	1.56E-08
495361.06, 3858801.99	0.00605	2.206E-05	7.64E-09	2.31E-08	1.82E-08	1.58E-08	7.09E-09	2.55E-10	6.16E-09	4.33E-09	3.74E-09	1.12E-09	1.56E-08
495411.06, 3858801.99	0.00608	2.217E-05	7.68E-09	2.32E-08	1.83E-08	1.58E-08	7.12E-09	2.56E-10	6.19E-09	4.35E-09	3.76E-09	1.12E-09	1.57E-08
495461.06, 3858801.99	0.00609	2.221E-05	7.69E-09	2.32E-08	1.83E-08	1.59E-08	7.13E-09	2.57E-10	6.20E-09	4.36E-09	3.77E-09	1.13E-09	1.57E-08
495511.06, 3858801.99	0.00609	2.221E-05	7.69E-09	2.32E-08	1.83E-08	1.59E-08	7.13E-09	2.57E-10	6.20E-09	4.36E-09	3.77E-09	1.13E-09	1.57E-08
495561.06, 3858801.99	0.0061	2.224E-05	7.70E-09	2.33E-08	1.84E-08	1.59E-08	7.15E-09	2.57E-10	6.21E-09	4.36E-09	3.78E-09	1.13E-09	1.57E-08
495611.06, 3858801.99	0.0061	2.224E-05	7.70E-09	2.33E-08	1.84E-08	1.59E-08	7.15E-09	2.57E-10	6.21E-09	4.36E-09	3.78E-09	1.13E-09	1.57E-08
495661.06, 3858801.99	0.00613	2.235E-05	7.74E-09	2.34E-08	1.85E-08	1.60E-08	7.18E-09	2.58E-10	6.24E-09	4.39E-09	3.79E-09	1.13E-09	1.58E-08
494311.06, 3858851.99	0.00625	2.279E-05	7.89E-09	2.38E-08	1.88E-08	1.63E-08	7.32E-09	2.63E-10	6.36E-09	4.47E-09	3.87E-09	1.15E-09	1.61E-08
494361.06, 3858851.99	0.0064	2.334E-05	8.08E-09	2.44E-08	1.93E-08	1.67E-08	7.50E-09	2.70E-10	6.52E-09	4.58E-09	3.96E-09	1.18E-09	1.65E-08
494411.06, 3858851.99	0.00645	2.352E-05	8.14E-09	2.46E-08	1.94E-08	1.68E-08	7.56E-09	2.72E-10	6.57E-09	4.61E-09	3.99E-09	1.19E-09	1.66E-08
494461.06, 3858851.99	0.00651	2.374E-05	8.22E-09	2.48E-08	1.96E-08	1.70E-08	7.63E-09	2.74E-10	6.63E-09	4.66E-09	4.03E-09	1.20E-09	1.68E-08
494511.06, 3858851.99	0.00664	2.421E-05	8.38E-09	2.53E-08	2.00E-08	1.73E-08	7.78E-09	2.80E-10	6.76E-09	4.75E-09	4.11E-09	1.23E-09	1.71E-08
494561.06, 3858851.99	0.00665	2.425E-05	8.39E-09	2.53E-08	2.00E-08	1.73E-08	7.79E-09	2.80E-10	6.77E-09	4.76E-09	4.12E-09	1.23E-09	1.72E-08
494611.06, 3858851.99	0.00663	2.418E-05	8.37E-09	2.53E-08	2.00E-08	1.73E-08	7.77E-09	2.79E-10	6.75E-09	4.74E-09	4.10E-09	1.23E-09	1.71E-08
494661.06, 3858851.99	0.00661	2.41E-05	8.34E-09	2.52E-08	1.99E-08	1.72E-08	7.74E-09	2.79E-10	6.73E-09	4.73E-09	4.09E-09	1.22E-09	1.71E-08
494711.06, 3858851.99	0.00656	2.392E-05	8.28E-09	2.50E-08	1.98E-08	1.71E-08	7.68E-09	2.77E-10	6.68E-09	4.69E-09	4.06E-09	1.21E-09	1.69E-08
494761.06, 3858851.99	0.00652	2.378E-05	8.23E-09	2.49E-08	1.96E-08	1.70E-08	7.64E-09	2.75E-10	6.64E-09	4.66E-09	4.04E-09	1.20E-09	1.68E-08
494811.06, 3858851.99	0.0065	2.37E-05	8.21E-09	2.48E-08	1.96E-08	1.69E-08	7.61E-09	2.74E-10	6.62E-09	4.65E-09	4.02E-09	1.20E-09	1.68E-08
494861.06, 3858851.99	0.0065	2.37E-05	8.21E-09	2.48E-08	1.96E-08	1.69E-08	7.61E-09	2.74E-10	6.62E-09	4.65E-09	4.02E-09	1.20E-09	1.68E-08
494911.06, 3858851.99	0.00647	2.359E-05	8.17E-09	2.47E-08	1.95E-08	1.69E-08	7.58E-09	2.73E-10	6.59E-09	4.63E-09	4.00E-09	1.20E-09	1.67E-08
494961.06, 3858851.99	0.00645	2.352E-05	8.14E-09	2.46E-08	1.94E-08	1.68E-08	7.56E-09	2.72E-10	6.57E-09	4.61E-09	3.99E-09	1.19E-09	1.66E-08
495011.06, 3858851.99	0.00643	2.345E-05	8.12E-09	2.45E-08	1.94E-08	1.68E-08	7.53E-09	2.71E-10	6.55E-09	4.60E-09	3.98E-09	1.19E-09	1.66E-08
495061.06, 3858851.99	0.0064	2.334E-05	8.08E-09	2.44E-08	1.93E-08	1.67E-08	7.50E-09	2.70E-10	6.52E-09	4.58E-09	3.96E-09	1.18E-09	1.65E-08
495111.06, 3858851.99	0.00633	2.308E-05	7.99E-09	2.41E-08	1.91E-08	1.65E-08	7.42E-09	2.67E-10	6.45E-09	4.53E-09	3.92E-09	1.17E-09	1.63E-08
495161.06, 3858851.99	0.0063	2.297E-05	7.95E-09	2.40E-08	1.90E-08	1.64E-08	7.38E-09	2.66E-10	6.41E-09	4.51E-09	3.90E-09	1.16E-09	1.63E-08
495211.06, 3858851.99	0.00632	2.305E-05	7.98E-09	2.41E-08	1.90E-08	1.65E-08	7.40E-09	2.66E-10	6.44E-09	4.52E-09	3.91E-09	1.17E-09	1.63E-08

495261.06, 3858851.99	0.00633	2.308E-05	7.99E-09	2.41E-08	1.91E-08	1.65E-08	7.42E-09	2.67E-10	6.45E-09	4.53E-09	3.92E-09	1.17E-09	1.63E-08
495311.06, 3858851.99	0.00635	2.316E-05	8.02E-09	2.42E-08	1.91E-08	1.65E-08	7.44E-09	2.68E-10	6.47E-09	4.54E-09	3.93E-09	1.17E-09	1.64E-08
495361.06, 3858851.99	0.00636	2.319E-05	8.03E-09	2.42E-08	1.91E-08	1.66E-08	7.45E-09	2.68E-10	6.48E-09	4.55E-09	3.94E-09	1.18E-09	1.64E-08
495411.06, 3858851.99	0.00638	2.327E-05	8.05E-09	2.43E-08	1.92E-08	1.66E-08	7.47E-09	2.69E-10	6.50E-09	4.56E-09	3.95E-09	1.18E-09	1.65E-08
495461.06, 3858851.99	0.0064	2.334E-05	8.08E-09	2.44E-08	1.93E-08	1.67E-08	7.50E-09	2.70E-10	6.52E-09	4.58E-09	3.96E-09	1.18E-09	1.65E-08
495511.06, 3858851.99	0.00638	2.327E-05	8.05E-09	2.43E-08	1.92E-08	1.66E-08	7.47E-09	2.69E-10	6.50E-09	4.56E-09	3.95E-09	1.18E-09	1.65E-08
495561.06, 3858851.99	0.0064	2.334E-05	8.08E-09	2.44E-08	1.93E-08	1.67E-08	7.50E-09	2.70E-10	6.52E-09	4.58E-09	3.96E-09	1.18E-09	1.65E-08
495611.06, 3858851.99	0.0064	2.334E-05	8.08E-09	2.44E-08	1.93E-08	1.67E-08	7.50E-09	2.70E-10	6.52E-09	4.58E-09	3.96E-09	1.18E-09	1.65E-08
495661.06, 3858851.99	0.00643	2.345E-05	8.12E-09	2.45E-08	1.94E-08	1.68E-08	7.53E-09	2.71E-10	6.55E-09	4.60E-09	3.98E-09	1.19E-09	1.66E-08
494311.06, 3858901.99	0.00656	2.392E-05	8.28E-09	2.50E-08	1.98E-08	1.71E-08	7.68E-09	2.77E-10	6.68E-09	4.69E-09	4.06E-09	1.21E-09	1.69E-08
494361.06, 3858901.99	0.00671	2.447E-05	8.47E-09	2.56E-08	2.02E-08	1.75E-08	7.86E-09	2.83E-10	6.83E-09	4.80E-09	4.15E-09	1.24E-09	1.73E-08
494411.06, 3858901.99	0.00678	2.472E-05	8.56E-09	2.58E-08	2.04E-08	1.77E-08	7.94E-09	2.86E-10	6.90E-09	4.85E-09	4.20E-09	1.25E-09	1.75E-08
494461.06, 3858901.99	0.00694	2.531E-05	8.76E-09	2.65E-08	2.09E-08	1.81E-08	8.13E-09	2.93E-10	7.07E-09	4.96E-09	4.30E-09	1.28E-09	1.79E-08
494511.06, 3858901.99	0.00699	2.549E-05	8.82E-09	2.66E-08	2.10E-08	1.82E-08	8.19E-09	2.95E-10	7.12E-09	5.00E-09	4.33E-09	1.29E-09	1.80E-08
494561.06, 3858901.99	0.00698	2.545E-05	8.81E-09	2.66E-08	2.10E-08	1.82E-08	8.18E-09	2.94E-10	7.11E-09	4.99E-09	4.32E-09	1.29E-09	1.80E-08
494611.06, 3858901.99	0.00693	2.527E-05	8.75E-09	2.64E-08	2.09E-08	1.81E-08	8.12E-09	2.92E-10	7.06E-09	4.96E-09	4.29E-09	1.28E-09	1.79E-08
494661.06, 3858901.99	0.00692	2.523E-05	8.74E-09	2.64E-08	2.08E-08	1.80E-08	8.11E-09	2.92E-10	7.05E-09	4.95E-09	4.28E-09	1.28E-09	1.78E-08
494711.06, 3858901.99	0.00688	2.509E-05	8.68E-09	2.62E-08	2.07E-08	1.79E-08	8.06E-09	2.90E-10	7.01E-09	4.92E-09	4.26E-09	1.27E-09	1.77E-08
494761.06, 3858901.99	0.00683	2.491E-05	8.62E-09	2.60E-08	2.06E-08	1.78E-08	8.00E-09	2.88E-10	6.95E-09	4.89E-09	4.23E-09	1.26E-09	1.76E-08
494811.06, 3858901.99	0.00682	2.487E-05	8.61E-09	2.60E-08	2.05E-08	1.78E-08	7.99E-09	2.87E-10	6.94E-09	4.88E-09	4.22E-09	1.26E-09	1.76E-08
494861.06, 3858901.99	0.00682	2.487E-05	8.61E-09	2.60E-08	2.05E-08	1.78E-08	7.99E-09	2.87E-10	6.94E-09	4.88E-09	4.22E-09	1.26E-09	1.76E-08
494911.06, 3858901.99	0.00677	2.469E-05	8.55E-09	2.58E-08	2.04E-08	1.76E-08	7.93E-09	2.85E-10	6.89E-09	4.84E-09	4.19E-09	1.25E-09	1.75E-08
494961.06, 3858901.99	0.00676	2.465E-05	8.53E-09	2.58E-08	2.04E-08	1.76E-08	7.92E-09	2.85E-10	6.88E-09	4.84E-09	4.18E-09	1.25E-09	1.74E-08
495011.06, 3858901.99	0.00674	2.458E-05	8.51E-09	2.57E-08	2.03E-08	1.76E-08	7.90E-09	2.84E-10	6.86E-09	4.82E-09	4.17E-09	1.25E-09	1.74E-08
495061.06, 3858901.99	0.00669	2.44E-05	8.45E-09	2.55E-08	2.01E-08	1.74E-08	7.84E-09	2.82E-10	6.81E-09	4.79E-09	4.14E-09	1.24E-09	1.73E-08
495111.06, 3858901.99	0.00662	2.414E-05	8.36E-09	2.52E-08	1.99E-08	1.72E-08	7.75E-09	2.79E-10	6.74E-09	4.74E-09	4.10E-09	1.22E-09	1.71E-08
495161.06, 3858901.99	0.00661	2.41E-05	8.34E-09	2.52E-08	1.99E-08	1.72E-08	7.74E-09	2.79E-10	6.73E-09	4.73E-09	4.09E-09	1.22E-09	1.71E-08
495211.06, 3858901.99	0.00664	2.421E-05	8.38E-09	2.53E-08	2.00E-08	1.73E-08	7.78E-09	2.80E-10	6.76E-09	4.75E-09	4.11E-09	1.23E-09	1.71E-08
495261.06, 3858901.99	0.00666	2.429E-05	8.41E-09	2.54E-08	2.01E-08	1.74E-08	7.80E-09	2.81E-10	6.78E-09	4.76E-09	4.12E-09	1.23E-09	1.72E-08
495311.06, 3858901.99	0.00668	2.436E-05	8.43E-09	2.55E-08	2.01E-08	1.74E-08	7.83E-09	2.82E-10	6.80E-09	4.78E-09	4.13E-09	1.23E-09	1.72E-08
495361.06, 3858901.99	0.00669	2.44E-05	8.45E-09	2.55E-08	2.01E-08	1.74E-08	7.84E-09	2.82E-10	6.81E-09	4.79E-09	4.14E-09	1.24E-09	1.73E-08
495411.06, 3858901.99	0.00672	2.451E-05	8.48E-09	2.56E-08	2.02E-08	1.75E-08	7.87E-09	2.83E-10	6.84E-09	4.81E-09	4.16E-09	1.24E-09	1.73E-08
495461.06, 3858901.99	0.00673	2.454E-05	8.50E-09	2.57E-08	2.03E-08	1.75E-08	7.88E-09	2.84E-10	6.85E-09	4.81E-09	4.17E-09	1.24E-09	1.74E-08
495511.06, 3858901.99	0.00672	2.451E-05	8.48E-09	2.56E-08	2.02E-08	1.75E-08	7.87E-09	2.83E-10	6.84E-09	4.81E-09	4.16E-09	1.24E-09	1.73E-08
495561.06, 3858901.99	0.00673	2.454E-05	8.50E-09	2.57E-08	2.03E-08	1.75E-08	7.88E-09	2.84E-10	6.85E-09	4.81E-09	4.17E-09	1.24E-09	1.74E-08
495611.06, 3858901.99	0.00673	2.454E-05	8.50E-09	2.57E-08	2.03E-08	1.75E-08	7.88E-09	2.84E-10	6.85E-09	4.81E-09	4.17E-09	1.24E-09	1.74E-08
495661.06, 3858901.99	0.00677	2.469E-05	8.55E-09	2.58E-08	2.04E-08	1.76E-08	7.93E-09	2.85E-10	6.89E-09	4.84E-09	4.19E-09	1.25E-09	1.75E-08
494311.06, 3858951.99	0.00695	2.534E-05	8.77E-09	2.65E-08	2.09E-08	1.81E-08	8.14E-09	2.93E-10	7.08E-09	4.97E-09	4.30E-09	1.28E-09	1.79E-08
494361.06, 3858951.99	0.00706	2.575E-05	8.91E-09	2.69E-08	2.13E-08	1.84E-08	8.27E-09	2.98E-10	7.19E-09	5.05E-09	4.37E-09	1.30E-09	1.82E-08
494411.06, 3858951.99	0.0071	2.589E-05	8.96E-09	2.71E-08	2.14E-08	1.85E-08	8.32E-09	2.99E-10	7.23E-09	5.08E-09	4.39E-09	1.31E-09	1.83E-08
494461.06, 3858951.99	0.00729	2.658E-05	9.20E-09	2.78E-08	2.19E-08	1.90E-08	8.54E-09	3.07E-10	7.42E-09	5.21E-09	4.51E-09	1.35E-09	1.88E-08
494511.06, 3858951.99	0.00733	2.673E-05	9.25E-09	2.79E-08	2.21E-08	1.91E-08	8.59E-09	3.09E-10	7.46E-09	5.24E-09	4.54E-09	1.35E-09	1.89E-08
494561.06, 3858951.99	0.00732	2.669E-05	9.24E-09	2.79E-08	2.20E-08	1.91E-08	8.57E-09	3.09E-10	7.45E-09	5.24E-09	4.53E-09	1.35E-09	1.89E-08
494611.06, 3858951.99	0.00729	2.658E-05	9.20E-09	2.78E-08	2.19E-08	1.90E-08	8.54E-09	3.07E-10	7.42E-09	5.21E-09	4.51E-09	1.35E-09	1.88E-08
494661.06, 3858951.99	0.00725	2.644E-05	9.15E-09	2.76E-08	2.18E-08	1.89E-08	8.49E-09	3.06E-10	7.38E-09	5.19E-09	4.49E-09	1.34E-09	1.87E-08
494711.06, 3858951.99	0.00719	2.622E-05	9.08E-09	2.74E-08	2.16E-08	1.87E-08	8.42E-09	3.03E-10	7.32E-09	5.14E-09	4.45E-09	1.33E-09	1.85E-08
494761.06, 3858951.99	0.00717	2.615E-05	9.05E-09	2.73E-08	2.16E-08	1.87E-08	8.40E-09	3.02E-10	7.30E-09	5.13E-09	4.44E-09	1.32E-09	1.85E-08
494811.06, 3858951.99	0.00717	2.615E-05	9.05E-09	2.73E-08	2.16E-08	1.87E-08	8.40E-09	3.02E-10	7.30E-09	5.13E-09	4.44E-09	1.32E-09	1.85E-08
494861.06, 3858951.99	0.00716	2.611E-05	9.04E-09	2.73E-08	2.16E-08	1.87E-08	8.39E-09	3.02E-10	7.29E-09	5.12E-09	4.43E-09	1.32E-09	1.85E-08
494911.06, 3858951.99	0.00714	2.604E-05	9.01E-09	2.72E-08	2.15E-08	1.86E-08	8.36E-09	3.01E-10	7.27E-09	5.11E-09	4.42E-09	1.32E-09	1.84E-08
494961.06, 3858951.99	0.00714	2.604E-05	9.01E-09	2.72E-08	2.15E-08	1.86E-08	8.36E-09	3.01E-10	7.27E-09	5.11E-09	4.42E-09	1.32E-09	1.84E-08
495011.06, 3858951.99	0.00706	2.575E-05	8.91E-09	2.69E-08	2.13E-08	1.84E-08	8.27E-09	2.98E-10	7.19E-09	5.05E-09	4.37E-09	1.30E-09	1.82E-08
495061.06, 3858951.99	0.00698	2.545E-05	8.81E-09	2.66E-08	2.10E-08	1.82E-08	8.18E-09	2.94E-10	7.11E-09	4.99E-09	4.32E-09	1.29E-09	1.80E-08
495111.06, 3858951.99	0.00693	2.527E-05	8.75E-09	2.64E-08	2.09E-08	1.81E-08	8.12E-09	2.92E-10	7.06E-09	4.96E-09	4.29E-09	1.28E-09	1.79E-08
495161.06, 3858951.99	0.00698	2.545E-05	8.81E-09	2.66E-08	2.10E-08	1.82E-08	8.18E-09	2.94E-10	7.11E-09	4.99E-09	4.32E-09	1.29E-09	1.80E-08
495211.06, 3858951.99	0.007	2.553E-05	8.84E-09	2.67E-08	2.11E-08	1.82E-08	8.20E-09	2.95E-10	7.13E-09	5.01E-09	4.33E-09	1.29E-09	1.81E-08
495261.06, 3858951.99	0.00702	2.56E-05	8.86E-09	2.68E-08	2.11E-08	1.83E-08	8.22E-09	2.96E-10	7.15E-09	5.02E-09	4.35E-09	1.30E-09	1.81E-08
495311.06, 3858951.99	0.00702	2.56E-05	8.86E-09	2.68E-08	2.11E-08	1.83E-08	8.22E-09	2.96E-10	7.15E-09	5.02E-09	4.35E-09	1.30E-09	1.81E-08
495361.06, 3858951.99	0.00704	2.567E-05	8.89E-09	2.68E-08	2.12E-08	1.83E-08	8.25E-09	2.97E-10	7.17E-09	5.04E-09	4.36E-09	1.30E-09	1.82E-08
495411.06, 3858951.99	0.00707	2.578E-05	8.92E-09	2.69E-08	2.13E-08	1.84E-08	8.28E-09	2.98E-10	7.20E-09	5.06E-09	4.38E-09	1.31E-09	1.82E-08
495461.06, 3858951.99	0.00708	2.582E-05	8.94E-09	2.70E-08	2.13E-08	1.84E-08	8.29E-09	2.98E-10	7.21E-09	5.06E-09	4.38E-09	1.31E-09	1.83E-08
495511.06, 3858951.99	0.00711	2.593E-05	8.98E-09	2.71E-08	2.14E-08	1.85E-08	8.33E-09	3.00E-10	7.24E-09	5.09E-09	4.40E-09	1.31E-09	1.83E-08
495561.06, 3858951.99	0.00709	2.585E-05	8.95E-09	2.70E-08	2.13E-08	1.85E-08	8.31E-09	2.99E-10	7.22E-09	5.07E-09	4.39E-09	1.31E-09	1.83E-08
495611.06, 3858951.99	0.00709	2.585E-05	8.95E-09	2.70E-08	2.13E-08	1.85E-08	8.31E-09	2.99E-10	7.22E-09	5.07E-09	4.39E-09	1.31E-09	1.83E-08
495661.06, 3858951.99	0.00713	2.6E-05	9.00E-09	2.72E-08	2.15E-08	1.86E-08	8.35E-09	3.01E-10	7.26E-09	5.10E-09	4.41E-09	1.32E-09	1.84E-08
494311.06, 3859001.99	0.00733	2.673E-05	9.25E-09	2.79E-08	2.21E-08	1.91E-08	8.59E-09	3.09E-10	7.46E-09	5.24E-09	4.54E-09	1.35E-09	1.89E-08
494361.06, 3859001.99	0.00741	2.702E-05	9.35E-09	2.82E-08	2.23E-08	1.93E-08	8.68E-09	3.12E-10	7.55E-09	5.30E-09	4.59E-09	1.37E-09	1.91E-08
494411.06, 3859001.99	0.00761	2.775E-05	9.61E-09	2.90E-08	2.29E-08	1.98E-08	8.91E-09	3.21E-10	7.75E-09	5.44E-09	4.71E-09	1.41E-09	1.96E-08
494461.06, 3859001.99	0.00767	2.797E-05	9.68E-09	2.92E-08	2.31E-08	2.00E-08	8.98E-09	3.23E-10	7.81E-09	5.49E-09	4.75E-09	1.42E-09	1.98E-08
494511.06, 3859001.99	0.00771	2.812E-05	9.73E-09	2.94E-08	2.32E-08	2.01E-08	9.03E-09	3.25E-10	7.85E-09	5.52E-09	4.77E-09	1.42E-09	1.99E-08
494561.06, 3859001.99	0.00768	2.801E-05	9.69E-09	2.93E-08	2.31E-08	2.00E-08	9.00E-09	3.24E-10	7.82E-09	5.49E-09	4.75E-09	1.42E-09	1.98E-08
494611.06, 3859001.99	0.00765	2.79E-05	9.66E-09	2.92E-08	2.30E-08	1.99E-08	8.96E-09	3.22E-10	7.79E-09	5.47E-09	4.74E-09	1.41E-09	1.97E-08
494661.06, 3859001.99	0.0076	2.771E-05	9.59E-09	2.90E-08	2.29E-08	1.98E-08	8.90E-09	3.20E-10	7.74E-09	5.44E-09	4.70E-09	1.40E-09	1.96E-08
494711.06, 3859001.99	0.00754	2.75E-05	9.52E-09	2.87E-08	2.27E-08	1.96E-08	8.83E-09	3.18E-10	7.68E-09	5.39E-09	4.67E-09	1.39E-09	1.94E-08
494761.06, 3859001.99	0.00753	2.746E-05	9.51E-09	2.87E-08	2.27E-08	1.96E-08	8.82E-09	3.17E-10	7.67E-09	5.39E-09	4.66E-09	1.39E-09	1.94E-08
494811.06, 3859001.99	0.00755	2.753E-05	9.53E-09	2.88E-08	2.27E-08	1.97E-08	8.84E-09	3.18E-10	7.69E-09	5.40E-09	4.67E-09	1.40E-09	1.95E-08
494861.06, 3859001.99	0.00753	2.746E-05	9.51E-09	2.87E-08	2.27E-08	1.96E-08	8.82E-09	3.17E-10	7.67E-09	5.39E-09	4.66E-09	1.39E-09	1.94E-08
494911.06, 3859001.99	0.00751	2.739E-05	9.48E-09	2.86E-08	2.26E-08	1.96E-08	8.80E-09	3.17E-10	7.65E-09	5.37E-09	4.65E-09	1.39E-09	1.94E-08
494961.06, 3859001.99	0.00749	2.731E-05	9.45E-09	2.85E-08	2.26E-08	1.95E-08	8.77E-09	3.16E-10	7.63E-09	5.36E-09	4.64E-09	1.38E-09	1.93E-08
495011.06, 3859001.99	0.00734	2.677E-05	9.27E-09	2.80E-08	2.21E-08	1.91E-08	8.60E-09	3.09E-10	7.47E-09	5.25E-09	4.54E-09	1.36E-09	1.89E-08

495061.06, 3859001.99	0.00733	2.673E-05	9.25E-09	2.79E-08	2.21E-08	1.91E-08	8.59E-09	3.09E-10	7.46E-09	5.24E-09	4.54E-09	1.35E-09	1.89E-08
495111.06, 3859001.99	0.00728	2.655E-05	9.19E-09	2.77E-08	2.19E-08	1.90E-08	8.53E-09	3.07E-10	7.41E-09	5.21E-09	4.51E-09	1.35E-09	1.88E-08
495161.06, 3859001.99	0.00736	2.684E-05	9.29E-09	2.81E-08	2.22E-08	1.92E-08	8.62E-09	3.10E-10	7.49E-09	5.27E-09	4.56E-09	1.36E-09	1.90E-08
495211.06, 3859001.99	0.00737	2.688E-05	9.30E-09	2.81E-08	2.22E-08	1.92E-08	8.63E-09	3.11E-10	7.50E-09	5.27E-09	4.56E-09	1.36E-09	1.90E-08
495261.06, 3859001.99	0.0074	2.699E-05	9.34E-09	2.82E-08	2.23E-08	1.93E-08	8.67E-09	3.12E-10	7.53E-09	5.29E-09	4.58E-09	1.37E-09	1.91E-08
495311.06, 3859001.99	0.00741	2.702E-05	9.35E-09	2.82E-08	2.23E-08	1.93E-08	8.68E-09	3.12E-10	7.55E-09	5.30E-09	4.59E-09	1.37E-09	1.91E-08
495361.06, 3859001.99	0.00744	2.713E-05	9.39E-09	2.84E-08	2.24E-08	1.94E-08	8.72E-09	3.14E-10	7.58E-09	5.32E-09	4.61E-09	1.37E-09	1.92E-08
495411.06, 3859001.99	0.00745	2.717E-05	9.40E-09	2.84E-08	2.24E-08	1.94E-08	8.73E-09	3.14E-10	7.59E-09	5.33E-09	4.61E-09	1.38E-09	1.92E-08
495461.06, 3859001.99	0.00747	2.724E-05	9.43E-09	2.85E-08	2.25E-08	1.95E-08	8.75E-09	3.15E-10	7.61E-09	5.34E-09	4.62E-09	1.38E-09	1.93E-08
495511.06, 3859001.99	0.00746	2.72E-05	9.42E-09	2.84E-08	2.25E-08	1.94E-08	8.74E-09	3.14E-10	7.60E-09	5.34E-09	4.62E-09	1.38E-09	1.92E-08
495561.06, 3859001.99	0.00747	2.724E-05	9.43E-09	2.85E-08	2.25E-08	1.95E-08	8.75E-09	3.15E-10	7.61E-09	5.34E-09	4.62E-09	1.38E-09	1.93E-08
495611.06, 3859001.99	0.00748	2.728E-05	9.44E-09	2.85E-08	2.25E-08	1.95E-08	8.76E-09	3.15E-10	7.62E-09	5.35E-09	4.63E-09	1.38E-09	1.93E-08
495661.06, 3859001.99	0.00754	2.75E-05	9.52E-09	2.87E-08	2.27E-08	1.96E-08	8.83E-09	3.18E-10	7.68E-09	5.39E-09	4.67E-09	1.39E-09	1.94E-08
494311.06, 3859051.99	0.00773	2.819E-05	9.76E-09	2.95E-08	2.33E-08	2.01E-08	9.06E-09	3.26E-10	7.87E-09	5.53E-09	4.78E-09	1.43E-09	1.99E-08
494361.06, 3859051.99	0.00796	2.903E-05	1.00E-08	3.03E-08	2.40E-08	2.07E-08	9.32E-09	3.36E-10	8.11E-09	5.69E-09	4.93E-09	1.47E-09	2.05E-08
494411.06, 3859051.99	0.00802	2.925E-05	1.01E-08	3.06E-08	2.41E-08	2.09E-08	9.39E-09	3.38E-10	8.17E-09	5.74E-09	4.96E-09	1.48E-09	2.07E-08
494461.06, 3859051.99	0.00806	2.939E-05	1.02E-08	3.07E-08	2.43E-08	2.10E-08	9.44E-09	3.40E-10	8.21E-09	5.77E-09	4.99E-09	1.49E-09	2.08E-08
494511.06, 3859051.99	0.00806	2.939E-05	1.02E-08	3.07E-08	2.43E-08	2.10E-08	9.44E-09	3.40E-10	8.21E-09	5.77E-09	4.99E-09	1.49E-09	2.08E-08
494561.06, 3859051.99	0.00806	2.939E-05	1.02E-08	3.07E-08	2.43E-08	2.10E-08	9.44E-09	3.40E-10	8.21E-09	5.77E-09	4.99E-09	1.49E-09	2.08E-08
494611.06, 3859051.99	0.00803	2.928E-05	1.01E-08	3.06E-08	2.42E-08	2.09E-08	9.41E-09	3.38E-10	8.18E-09	5.74E-09	4.97E-09	1.48E-09	2.07E-08
494661.06, 3859051.99	0.00799	2.914E-05	1.01E-08	3.05E-08	2.41E-08	2.08E-08	9.36E-09	3.37E-10	8.14E-09	5.72E-09	4.95E-09	1.48E-09	2.06E-08
494711.06, 3859051.99	0.00796	2.903E-05	1.00E-08	3.03E-08	2.40E-08	2.07E-08	9.32E-09	3.36E-10	8.11E-09	5.69E-09	4.93E-09	1.47E-09	2.05E-08
494761.06, 3859051.99	0.00793	2.892E-05	1.00E-08	3.02E-08	2.39E-08	2.07E-08	9.29E-09	3.34E-10	8.07E-09	5.67E-09	4.91E-09	1.47E-09	2.05E-08
494811.06, 3859051.99	0.00793	2.892E-05	1.00E-08	3.02E-08	2.39E-08	2.07E-08	9.29E-09	3.34E-10	8.07E-09	5.67E-09	4.91E-09	1.47E-09	2.05E-08
494861.06, 3859051.99	0.00793	2.892E-05	1.00E-08	3.02E-08	2.39E-08	2.07E-08	9.29E-09	3.34E-10	8.07E-09	5.67E-09	4.91E-09	1.47E-09	2.05E-08
494911.06, 3859051.99	0.0079	2.881E-05	9.97E-09	3.01E-08	2.38E-08	2.06E-08	9.25E-09	3.33E-10	8.04E-09	5.65E-09	4.89E-09	1.46E-09	2.04E-08
494961.06, 3859051.99	0.00781	2.848E-05	9.86E-09	2.98E-08	2.35E-08	2.03E-08	9.15E-09	3.29E-10	7.95E-09	5.59E-09	4.83E-09	1.44E-09	2.01E-08
495011.06, 3859051.99	0.00776	2.83E-05	9.80E-09	2.96E-08	2.34E-08	2.02E-08	9.09E-09	3.27E-10	7.90E-09	5.55E-09	4.80E-09	1.43E-09	2.00E-08
495061.06, 3859051.99	0.00772	2.815E-05	9.75E-09	2.94E-08	2.32E-08	2.01E-08	9.04E-09	3.25E-10	7.86E-09	5.52E-09	4.78E-09	1.43E-09	1.99E-08
495111.06, 3859051.99	0.00772	2.815E-05	9.75E-09	2.94E-08	2.32E-08	2.01E-08	9.04E-09	3.25E-10	7.86E-09	5.52E-09	4.78E-09	1.43E-09	1.99E-08
495161.06, 3859051.99	0.00778	2.837E-05	9.82E-09	2.97E-08	2.34E-08	2.03E-08	9.11E-09	3.28E-10	7.92E-09	5.57E-09	4.82E-09	1.44E-09	2.01E-08
495211.06, 3859051.99	0.00777	2.833E-05	9.81E-09	2.96E-08	2.34E-08	2.02E-08	9.10E-09	3.28E-10	7.91E-09	5.56E-09	4.81E-09	1.44E-09	2.00E-08
495261.06, 3859051.99	0.00782	2.852E-05	9.87E-09	2.98E-08	2.35E-08	2.04E-08	9.16E-09	3.30E-10	7.96E-09	5.59E-09	4.84E-09	1.44E-09	2.02E-08
495311.06, 3859051.99	0.00783	2.855E-05	9.88E-09	2.98E-08	2.36E-08	2.04E-08	9.17E-09	3.30E-10	7.97E-09	5.60E-09	4.85E-09	1.45E-09	2.02E-08
495361.06, 3859051.99	0.00785	2.863E-05	9.91E-09	2.99E-08	2.36E-08	2.05E-08	9.20E-09	3.31E-10	7.99E-09	5.62E-09	4.86E-09	1.45E-09	2.02E-08
495411.06, 3859051.99	0.00788	2.874E-05	9.95E-09	3.00E-08	2.37E-08	2.05E-08	9.23E-09	3.32E-10	8.02E-09	5.64E-09	4.88E-09	1.46E-09	2.03E-08
495461.06, 3859051.99	0.0079	2.881E-05	9.97E-09	3.01E-08	2.38E-08	2.06E-08	9.25E-09	3.33E-10	8.04E-09	5.65E-09	4.89E-09	1.46E-09	2.04E-08
495511.06, 3859051.99	0.00789	2.877E-05	9.96E-09	3.01E-08	2.38E-08	2.06E-08	9.24E-09	3.33E-10	8.03E-09	5.64E-09	4.88E-09	1.46E-09	2.04E-08
495561.06, 3859051.99	0.00789	2.877E-05	9.96E-09	3.01E-08	2.38E-08	2.06E-08	9.24E-09	3.33E-10	8.03E-09	5.64E-09	4.88E-09	1.46E-09	2.04E-08
495611.06, 3859051.99	0.00789	2.877E-05	9.96E-09	3.01E-08	2.38E-08	2.06E-08	9.24E-09	3.33E-10	8.03E-09	5.64E-09	4.88E-09	1.46E-09	2.04E-08
495661.06, 3859051.99	0.00795	2.899E-05	1.00E-08	3.03E-08	2.39E-08	2.07E-08	9.31E-09	3.35E-10	8.09E-09	5.69E-09	4.92E-09	1.47E-09	2.05E-08
494311.06, 3859101.99	0.00832	3.034E-05	1.05E-08	3.17E-08	2.50E-08	2.17E-08	9.75E-09	3.51E-10	8.47E-09	5.95E-09	5.15E-09	1.54E-09	2.15E-08
494361.06, 3859101.99	0.00839	3.06E-05	1.06E-08	3.20E-08	2.53E-08	2.19E-08	9.83E-09	3.54E-10	8.54E-09	6.00E-09	5.19E-09	1.55E-09	2.16E-08
494411.06, 3859101.99	0.00847	3.089E-05	1.07E-08	3.23E-08	2.55E-08	2.21E-08	9.92E-09	3.57E-10	8.62E-09	6.06E-09	5.24E-09	1.57E-09	2.18E-08
494461.06, 3859101.99	0.0085	3.1E-05	1.07E-08	3.24E-08	2.56E-08	2.21E-08	9.96E-09	3.58E-10	8.65E-09	6.08E-09	5.26E-09	1.57E-09	2.19E-08
494511.06, 3859101.99	0.00849	3.096E-05	1.07E-08	3.24E-08	2.56E-08	2.21E-08	9.95E-09	3.58E-10	8.64E-09	6.07E-09	5.26E-09	1.57E-09	2.19E-08
494561.06, 3859101.99	0.00848	3.092E-05	1.07E-08	3.23E-08	2.55E-08	2.21E-08	9.93E-09	3.57E-10	8.63E-09	6.07E-09	5.25E-09	1.57E-09	2.19E-08
494611.06, 3859101.99	0.00842	3.07E-05	1.06E-08	3.21E-08	2.54E-08	2.19E-08	9.86E-09	3.55E-10	8.57E-09	6.02E-09	5.21E-09	1.56E-09	2.17E-08
494661.06, 3859101.99	0.00841	3.067E-05	1.06E-08	3.21E-08	2.53E-08	2.19E-08	9.85E-09	3.55E-10	8.56E-09	6.02E-09	5.21E-09	1.55E-09	2.17E-08
494711.06, 3859101.99	0.00835	3.045E-05	1.05E-08	3.18E-08	2.51E-08	2.18E-08	9.78E-09	3.52E-10	8.50E-09	5.97E-09	5.17E-09	1.54E-09	2.15E-08
494761.06, 3859101.99	0.00838	3.056E-05	1.06E-08	3.19E-08	2.52E-08	2.18E-08	9.82E-09	3.53E-10	8.53E-09	5.99E-09	5.19E-09	1.55E-09	2.16E-08
494811.06, 3859101.99	0.00837	3.052E-05	1.06E-08	3.19E-08	2.52E-08	2.18E-08	9.80E-09	3.53E-10	8.52E-09	5.99E-09	5.18E-09	1.55E-09	2.16E-08
494861.06, 3859101.99	0.00836	3.049E-05	1.06E-08	3.19E-08	2.52E-08	2.18E-08	9.79E-09	3.52E-10	8.51E-09	5.98E-09	5.17E-09	1.54E-09	2.16E-08
494911.06, 3859101.99	0.00832	3.034E-05	1.05E-08	3.17E-08	2.50E-08	2.17E-08	9.75E-09	3.51E-10	8.47E-09	5.95E-09	5.15E-09	1.54E-09	2.15E-08
494961.06, 3859101.99	0.00823	3.001E-05	1.04E-08	3.14E-08	2.48E-08	2.14E-08	9.64E-09	3.47E-10	8.38E-09	5.89E-09	5.09E-09	1.52E-09	2.12E-08
495011.06, 3859101.99	0.00812	2.961E-05	1.03E-08	3.09E-08	2.44E-08	2.12E-08	9.51E-09	3.42E-10	8.27E-09	5.81E-09	5.03E-09	1.50E-09	2.09E-08
495061.06, 3859101.99	0.00815	2.972E-05	1.03E-08	3.11E-08	2.45E-08	2.12E-08	9.55E-09	3.44E-10	8.30E-09	5.83E-09	5.04E-09	1.51E-09	2.10E-08
495111.06, 3859101.99	0.00815	2.972E-05	1.03E-08	3.11E-08	2.45E-08	2.12E-08	9.55E-09	3.44E-10	8.30E-09	5.83E-09	5.04E-09	1.51E-09	2.10E-08
495161.06, 3859101.99	0.00821	2.994E-05	1.04E-08	3.13E-08	2.47E-08	2.14E-08	9.62E-09	3.46E-10	8.36E-09	5.87E-09	5.08E-09	1.52E-09	2.12E-08
495211.06, 3859101.99	0.00822	2.998E-05	1.04E-08	3.13E-08	2.47E-08	2.14E-08	9.63E-09	3.47E-10	8.37E-09	5.88E-09	5.09E-09	1.52E-09	2.12E-08
495261.06, 3859101.99	0.00826	3.012E-05	1.04E-08	3.15E-08	2.49E-08	2.15E-08	9.68E-09	3.48E-10	8.41E-09	5.91E-09	5.11E-09	1.53E-09	2.13E-08
495311.06, 3859101.99	0.00823	3.001E-05	1.04E-08	3.14E-08	2.48E-08	2.14E-08	9.64E-09	3.47E-10	8.38E-09	5.89E-09	5.09E-09	1.52E-09	2.12E-08
495361.06, 3859101.99	0.00832	3.034E-05	1.05E-08	3.17E-08	2.50E-08	2.17E-08	9.75E-09	3.51E-10	8.47E-09	5.95E-09	5.15E-09	1.54E-09	2.15E-08
495411.06, 3859101.99	0.00834	3.041E-05	1.05E-08	3.18E-08	2.51E-08	2.17E-08	9.77E-09	3.52E-10	8.49E-09	5.97E-09	5.16E-09	1.54E-09	2.15E-08
495461.06, 3859101.99	0.00825	3.008E-05	1.04E-08	3.14E-08	2.48E-08	2.15E-08	9.66E-09	3.48E-10	8.40E-09	5.90E-09	5.11E-09	1.52E-09	2.13E-08
495511.06, 3859101.99	0.00827	3.016E-05	1.04E-08	3.15E-08	2.49E-08	2.15E-08	9.69E-09	3.49E-10	8.42E-09	5.92E-09	5.12E-09	1.53E-09	2.13E-08
495561.06, 3859101.99	0.00836	3.049E-05	1.06E-08	3.19E-08	2.52E-08	2.18E-08	9.79E-09	3.52E-10	8.51E-09	5.98E-09	5.17E-09	1.54E-09	2.16E-08
495611.06, 3859101.99	0.00836	3.049E-05	1.06E-08	3.19E-08	2.52E-08	2.18E-08	9.79E-09	3.52E-10	8.51E-09	5.98E-09	5.17E-09	1.54E-09	2.16E-08
495661.06, 3859101.99	0.0084	3.063E-05	1.06E-08	3.20E-08	2.53E-08	2.19E-08	9.84E-09	3.54E-10	8.55E-09	6.01E-09	5.20E-09	1.55E-09	2.17E-08
494311.06, 3859151.99	0.0088	3.209E-05	1.11E-08	3.35E-08	2.65E-08	2.29E-08	1.03E-08	3.71E-10	8.96E-09	6.30E-09	5.45E-09	1.63E-09	2.27E-08
494361.06, 3859151.99	0.00889	3.242E-05	1.12E-08	3.39E-08	2.68E-08	2.32E-08	1.04E-08	3.75E-10	9.05E-09	6.36E-09	5.50E-09	1.64E-09	2.29E-08
494411.06, 3859151.99	0.00893	3.256E-05	1.13E-08	3.40E-08	2.69E-08	2.33E-08	1.05E-08	3.76E-10	9.09E-09	6.39E-09	5.53E-09	1.65E-09	2.30E-08
494461.06, 3859151.99	0.00895	3.264E-05	1.13E-08	3.41E-08	2.69E-08	2.33E-08	1.05E-08	3.77E-10	9.11E-09	6.40E-09	5.54E-09	1.65E-09	2.31E-08
494511.06, 3859151.99	0.00893	3.256E-05	1.13E-08	3.40E-08	2.69E-08	2.33E-08	1.05E-08	3.76E-10	9.09E-09	6.39E-09	5.53E-09	1.65E-09	2.30E-08
494561.06, 3859151.99	0.00893	3.256E-05	1.13E-08	3.40E-08	2.69E-08	2.33E-08	1.05E-08	3.76E-10	9.09E-09	6.39E-09	5.53E-09	1.65E-09	2.30E-08
494611.06, 3859151.99	0.00889	3.242E-05	1.12E-08	3.39E-08	2.68E-08	2.32E-08	1.04E-08	3.75E-10	9.05E-09	6.36E-09	5.50E-09	1.64E-09	2.29E-08
494661.06, 3859151.99	0.00888	3.238E-05	1.12E-08	3.38E-08	2.67E-08	2.31E-08	1.04E-08	3.74E-10	9.04E-09	6.35E-09	5.50E-09	1.64E-09	2.29E-08
494711.06, 3859151.99	0.00889	3.242E-05	1.12E-08	3.39E-08	2.68E-08	2.32E-08	1.04E-08	3.75E-10	9.05E-09	6.36E-09	5.50E-09	1.64E-09	2.29E-08
494761.06, 3859151.99	0.00884	3.224E-05	1.12E-08	3.37E-08	2.66E-08	2.30E-08	1.04E-08	3.73E-10	9.00E-09	6.32E-09	5.47E-09	1.63E-09	2.28E-08
494811.06, 3859151.99	0.00882	3.216E-05	1.11E-08	3.36E-08	2.66E-08	2.30E-08	1.03E-08	3.72E-10	8.98E-09	6.31E-09	5.46E-09	1.63E-09	2.28E-08

494861.06, 3859151.99	0.00883	3.22E-05	1.11E-08	3.37E-08	2.66E-08	2.30E-08	1.03E-08	3.72E-10	8.99E-09	6.32E-09	5.47E-09	1.63E-09	2.28E-08
494911.06, 3859151.99	0.00877	3.198E-05	1.11E-08	3.34E-08	2.64E-08	2.28E-08	1.03E-08	3.70E-10	8.93E-09	6.27E-09	5.43E-09	1.62E-09	2.26E-08
494961.06, 3859151.99	0.00861	3.14E-05	1.09E-08	3.28E-08	2.59E-08	2.24E-08	1.01E-08	3.63E-10	8.77E-09	6.16E-09	5.33E-09	1.59E-09	2.22E-08
495011.06, 3859151.99	0.00857	3.125E-05	1.08E-08	3.27E-08	2.58E-08	2.23E-08	1.00E-08	3.61E-10	8.73E-09	6.13E-09	5.30E-09	1.58E-09	2.21E-08
495061.06, 3859151.99	0.0086	3.136E-05	1.09E-08	3.28E-08	2.59E-08	2.24E-08	1.01E-08	3.63E-10	8.76E-09	6.15E-09	5.32E-09	1.59E-09	2.22E-08
495111.06, 3859151.99	0.00862	3.143E-05	1.09E-08	3.29E-08	2.60E-08	2.25E-08	1.01E-08	3.63E-10	8.78E-09	6.17E-09	5.34E-09	1.59E-09	2.22E-08
495161.06, 3859151.99	0.00869	3.169E-05	1.10E-08	3.31E-08	2.62E-08	2.26E-08	1.02E-08	3.66E-10	8.85E-09	6.22E-09	5.38E-09	1.61E-09	2.24E-08
495211.06, 3859151.99	0.00871	3.176E-05	1.10E-08	3.32E-08	2.62E-08	2.27E-08	1.02E-08	3.67E-10	8.87E-09	6.23E-09	5.39E-09	1.61E-09	2.25E-08
495261.06, 3859151.99	0.00874	3.187E-05	1.10E-08	3.33E-08	2.63E-08	2.28E-08	1.02E-08	3.68E-10	8.90E-09	6.25E-09	5.41E-09	1.61E-09	2.25E-08
495311.06, 3859151.99	0.00877	3.198E-05	1.11E-08	3.34E-08	2.64E-08	2.28E-08	1.03E-08	3.70E-10	8.93E-09	6.27E-09	5.43E-09	1.62E-09	2.26E-08
495361.06, 3859151.99	0.00879	3.205E-05	1.11E-08	3.35E-08	2.65E-08	2.29E-08	1.03E-08	3.71E-10	8.95E-09	6.29E-09	5.44E-09	1.62E-09	2.27E-08
495411.06, 3859151.99	0.00885	3.227E-05	1.12E-08	3.37E-08	2.66E-08	2.31E-08	1.04E-08	3.73E-10	9.01E-09	6.33E-09	5.48E-09	1.64E-09	2.28E-08
495461.06, 3859151.99	0.00887	3.235E-05	1.12E-08	3.38E-08	2.67E-08	2.31E-08	1.04E-08	3.74E-10	9.03E-09	6.35E-09	5.49E-09	1.64E-09	2.29E-08
495511.06, 3859151.99	0.00885	3.227E-05	1.12E-08	3.37E-08	2.66E-08	2.31E-08	1.04E-08	3.73E-10	9.01E-09	6.33E-09	5.48E-09	1.64E-09	2.28E-08
495561.06, 3859151.99	0.00886	3.231E-05	1.12E-08	3.38E-08	2.67E-08	2.31E-08	1.04E-08	3.73E-10	9.02E-09	6.34E-09	5.48E-09	1.64E-09	2.29E-08
495611.06, 3859151.99	0.00888	3.238E-05	1.12E-08	3.38E-08	2.67E-08	2.31E-08	1.04E-08	3.74E-10	9.04E-09	6.35E-09	5.50E-09	1.64E-09	2.29E-08
495661.06, 3859151.99	0.0089	3.246E-05	1.12E-08	3.39E-08	2.68E-08	2.32E-08	1.04E-08	3.75E-10	9.06E-09	6.37E-09	5.51E-09	1.64E-09	2.30E-08
494311.06, 3859201.99	0.00933	3.402E-05	1.18E-08	3.56E-08	2.81E-08	2.43E-08	1.09E-08	3.93E-10	9.50E-09	6.67E-09	5.78E-09	1.72E-09	2.41E-08
494361.06, 3859201.99	0.00939	3.424E-05	1.19E-08	3.58E-08	2.83E-08	2.45E-08	1.10E-08	3.96E-10	9.56E-09	6.72E-09	5.81E-09	1.74E-09	2.42E-08
494411.06, 3859201.99	0.00944	3.442E-05	1.19E-08	3.60E-08	2.84E-08	2.46E-08	1.11E-08	3.98E-10	9.61E-09	6.75E-09	5.84E-09	1.74E-09	2.44E-08
494461.06, 3859201.99	0.00944	3.442E-05	1.19E-08	3.60E-08	2.84E-08	2.46E-08	1.11E-08	3.98E-10	9.61E-09	6.75E-09	5.84E-09	1.74E-09	2.44E-08
494511.06, 3859201.99	0.00946	3.45E-05	1.19E-08	3.61E-08	2.85E-08	2.46E-08	1.11E-08	3.99E-10	9.63E-09	6.77E-09	5.86E-09	1.75E-09	2.44E-08
494561.06, 3859201.99	0.00941	3.432E-05	1.19E-08	3.59E-08	2.83E-08	2.45E-08	1.10E-08	3.97E-10	9.58E-09	6.73E-09	5.82E-09	1.74E-09	2.43E-08
494611.06, 3859201.99	0.00939	3.424E-05	1.19E-08	3.58E-08	2.83E-08	2.45E-08	1.10E-08	3.96E-10	9.56E-09	6.72E-09	5.81E-09	1.74E-09	2.42E-08
494661.06, 3859201.99	0.00939	3.424E-05	1.19E-08	3.58E-08	2.83E-08	2.45E-08	1.10E-08	3.96E-10	9.56E-09	6.72E-09	5.81E-09	1.74E-09	2.42E-08
494711.06, 3859201.99	0.00939	3.424E-05	1.19E-08	3.58E-08	2.83E-08	2.45E-08	1.10E-08	3.96E-10	9.56E-09	6.72E-09	5.81E-09	1.74E-09	2.42E-08
494761.06, 3859201.99	0.00935	3.41E-05	1.18E-08	3.56E-08	2.82E-08	2.44E-08	1.10E-08	3.94E-10	9.52E-09	6.69E-09	5.79E-09	1.73E-09	2.41E-08
494811.06, 3859201.99	0.00933	3.402E-05	1.18E-08	3.56E-08	2.81E-08	2.43E-08	1.09E-08	3.93E-10	9.50E-09	6.67E-09	5.78E-09	1.72E-09	2.41E-08
494861.06, 3859201.99	0.00922	3.362E-05	1.16E-08	3.51E-08	2.78E-08	2.40E-08	1.08E-08	3.89E-10	9.39E-09	6.60E-09	5.71E-09	1.70E-09	2.38E-08
494911.06, 3859201.99	0.00922	3.362E-05	1.16E-08	3.51E-08	2.78E-08	2.40E-08	1.08E-08	3.89E-10	9.39E-09	6.60E-09	5.71E-09	1.70E-09	2.38E-08
494961.06, 3859201.99	0.00913	3.329E-05	1.15E-08	3.48E-08	2.75E-08	2.38E-08	1.07E-08	3.85E-10	9.30E-09	6.53E-09	5.65E-09	1.69E-09	2.36E-08
495011.06, 3859201.99	0.00899	3.278E-05	1.13E-08	3.43E-08	2.71E-08	2.34E-08	1.05E-08	3.79E-10	9.15E-09	6.43E-09	5.56E-09	1.66E-09	2.32E-08
495061.06, 3859201.99	0.00911	3.322E-05	1.15E-08	3.47E-08	2.74E-08	2.37E-08	1.07E-08	3.84E-10	9.28E-09	6.52E-09	5.64E-09	1.68E-09	2.35E-08
495111.06, 3859201.99	0.00916	3.34E-05	1.16E-08	3.49E-08	2.76E-08	2.39E-08	1.07E-08	3.86E-10	9.33E-09	6.55E-09	5.67E-09	1.69E-09	2.36E-08
495161.06, 3859201.99	0.0092	3.355E-05	1.16E-08	3.51E-08	2.77E-08	2.40E-08	1.08E-08	3.88E-10	9.37E-09	6.58E-09	5.69E-09	1.70E-09	2.37E-08
495211.06, 3859201.99	0.00921	3.359E-05	1.16E-08	3.51E-08	2.77E-08	2.40E-08	1.08E-08	3.88E-10	9.38E-09	6.59E-09	5.70E-09	1.70E-09	2.38E-08
495261.06, 3859201.99	0.00926	3.377E-05	1.17E-08	3.53E-08	2.79E-08	2.41E-08	1.08E-08	3.90E-10	9.43E-09	6.62E-09	5.73E-09	1.71E-09	2.39E-08
495311.06, 3859201.99	0.00929	3.388E-05	1.17E-08	3.54E-08	2.80E-08	2.42E-08	1.09E-08	3.92E-10	9.46E-09	6.65E-09	5.75E-09	1.72E-09	2.40E-08
495361.06, 3859201.99	0.00932	3.399E-05	1.18E-08	3.55E-08	2.81E-08	2.43E-08	1.09E-08	3.93E-10	9.49E-09	6.67E-09	5.77E-09	1.72E-09	2.40E-08
495411.06, 3859201.99	0.00938	3.421E-05	1.18E-08	3.58E-08	2.82E-08	2.44E-08	1.10E-08	3.95E-10	9.55E-09	6.71E-09	5.81E-09	1.73E-09	2.42E-08
495461.06, 3859201.99	0.0094	3.428E-05	1.19E-08	3.58E-08	2.83E-08	2.45E-08	1.10E-08	3.96E-10	9.57E-09	6.72E-09	5.82E-09	1.74E-09	2.42E-08
495511.06, 3859201.99	0.00942	3.435E-05	1.19E-08	3.59E-08	2.84E-08	2.45E-08	1.10E-08	3.97E-10	9.59E-09	6.74E-09	5.83E-09	1.74E-09	2.43E-08
495561.06, 3859201.99	0.0094	3.428E-05	1.19E-08	3.58E-08	2.83E-08	2.45E-08	1.10E-08	3.96E-10	9.57E-09	6.72E-09	5.82E-09	1.74E-09	2.42E-08
495611.06, 3859201.99	0.00941	3.432E-05	1.19E-08	3.59E-08	2.83E-08	2.45E-08	1.10E-08	3.97E-10	9.58E-09	6.73E-09	5.82E-09	1.74E-09	2.43E-08
495661.06, 3859201.99	0.00944	3.442E-05	1.19E-08	3.60E-08	2.84E-08	2.46E-08	1.11E-08	3.98E-10	9.61E-09	6.75E-09	5.84E-09	1.74E-09	2.44E-08
494311.06, 3859251.99	0.00991	3.614E-05	1.25E-08	3.78E-08	2.98E-08	2.58E-08	1.16E-08	4.18E-10	1.01E-08	7.09E-09	6.13E-09	1.83E-09	2.56E-08
494361.06, 3859251.99	0.00994	3.625E-05	1.25E-08	3.79E-08	2.99E-08	2.59E-08	1.16E-08	4.19E-10	1.01E-08	7.11E-09	6.15E-09	1.84E-09	2.56E-08
494411.06, 3859251.99	0.00994	3.625E-05	1.25E-08	3.79E-08	2.99E-08	2.59E-08	1.16E-08	4.19E-10	1.01E-08	7.11E-09	6.15E-09	1.84E-09	2.56E-08
494461.06, 3859251.99	0.00998	3.639E-05	1.26E-08	3.80E-08	3.00E-08	2.60E-08	1.17E-08	4.21E-10	1.02E-08	7.14E-09	6.18E-09	1.84E-09	2.57E-08
494511.06, 3859251.99	0.00994	3.625E-05	1.25E-08	3.79E-08	2.99E-08	2.59E-08	1.16E-08	4.19E-10	1.01E-08	7.11E-09	6.15E-09	1.84E-09	2.56E-08
494561.06, 3859251.99	0.00994	3.625E-05	1.25E-08	3.79E-08	2.99E-08	2.59E-08	1.16E-08	4.19E-10	1.01E-08	7.11E-09	6.15E-09	1.84E-09	2.56E-08
494611.06, 3859251.99	0.00991	3.614E-05	1.25E-08	3.78E-08	2.98E-08	2.58E-08	1.16E-08	4.18E-10	1.01E-08	7.09E-09	6.13E-09	1.83E-09	2.56E-08
494661.06, 3859251.99	0.00994	3.625E-05	1.25E-08	3.79E-08	2.99E-08	2.59E-08	1.16E-08	4.19E-10	1.01E-08	7.11E-09	6.15E-09	1.84E-09	2.56E-08
494711.06, 3859251.99	0.00994	3.625E-05	1.25E-08	3.79E-08	2.99E-08	2.59E-08	1.16E-08	4.19E-10	1.01E-08	7.11E-09	6.15E-09	1.84E-09	2.56E-08
494761.06, 3859251.99	0.00974	3.552E-05	1.23E-08	3.71E-08	2.93E-08	2.54E-08	1.14E-08	4.11E-10	9.92E-09	6.97E-09	6.03E-09	1.80E-09	2.51E-08
494811.06, 3859251.99	0.00988	3.603E-05	1.25E-08	3.77E-08	2.97E-08	2.57E-08	1.16E-08	4.16E-10	1.01E-08	7.07E-09	6.12E-09	1.83E-09	2.55E-08
494861.06, 3859251.99	0.00968	3.53E-05	1.22E-08	3.69E-08	2.91E-08	2.52E-08	1.13E-08	4.08E-10	9.86E-09	6.92E-09	5.99E-09	1.79E-09	2.50E-08
494911.06, 3859251.99	0.0097	3.537E-05	1.22E-08	3.70E-08	2.92E-08	2.53E-08	1.14E-08	4.09E-10	9.88E-09	6.94E-09	6.00E-09	1.79E-09	2.50E-08
494961.06, 3859251.99	0.00968	3.53E-05	1.22E-08	3.69E-08	2.91E-08	2.52E-08	1.13E-08	4.08E-10	9.86E-09	6.92E-09	5.99E-09	1.79E-09	2.50E-08
495011.06, 3859251.99	0.00965	3.519E-05	1.22E-08	3.68E-08	2.91E-08	2.51E-08	1.13E-08	4.07E-10	9.83E-09	6.90E-09	5.97E-09	1.78E-09	2.49E-08
495061.06, 3859251.99	0.00971	3.541E-05	1.23E-08	3.70E-08	2.92E-08	2.53E-08	1.14E-08	4.09E-10	9.89E-09	6.95E-09	6.01E-09	1.79E-09	2.50E-08
495111.06, 3859251.99	0.00973	3.548E-05	1.23E-08	3.71E-08	2.93E-08	2.53E-08	1.14E-08	4.10E-10	9.91E-09	6.96E-09	6.02E-09	1.80E-09	2.51E-08
495161.06, 3859251.99	0.00977	3.563E-05	1.23E-08	3.72E-08	2.94E-08	2.55E-08	1.14E-08	4.12E-10	9.95E-09	6.99E-09	6.05E-09	1.81E-09	2.52E-08
495211.06, 3859251.99	0.00979	3.57E-05	1.24E-08	3.73E-08	2.95E-08	2.55E-08	1.15E-08	4.13E-10	9.97E-09	7.00E-09	6.06E-09	1.81E-09	2.53E-08
495261.06, 3859251.99	0.00975	3.555E-05	1.23E-08	3.72E-08	2.94E-08	2.54E-08	1.14E-08	4.11E-10	9.93E-09	6.97E-09	6.04E-09	1.80E-09	2.51E-08
495311.06, 3859251.99	0.00988	3.603E-05	1.25E-08	3.77E-08	2.97E-08	2.57E-08	1.16E-08	4.16E-10	1.01E-08	7.07E-09	6.12E-09	1.83E-09	2.55E-08
495361.06, 3859251.99	0.00991	3.614E-05	1.25E-08	3.78E-08	2.98E-08	2.58E-08	1.16E-08	4.18E-10	1.01E-08	7.09E-09	6.13E-09	1.83E-09	2.56E-08
495411.06, 3859251.99	0.00997	3.636E-05	1.26E-08	3.80E-08	3.00E-08	2.60E-08	1.17E-08	4.20E-10	1.02E-08	7.13E-09	6.17E-09	1.84E-09	2.57E-08
495461.06, 3859251.99	0.01	3.647E-05	1.26E-08	3.81E-08	3.01E-08	2.61E-08	1.17E-08	4.22E-10	1.02E-08	7.15E-09	6.19E-09	1.85E-09	2.58E-08
495511.06, 3859251.99	0.00998	3.639E-05	1.26E-08	3.80E-08	3.00E-08	2.60E-08	1.17E-08	4.21E-10	1.02E-08	7.14E-09	6.18E-09	1.84E-09	2.57E-08
495561.06, 3859251.99	0.00999	3.643E-05	1.26E-08	3.81E-08	3.01E-08	2.60E-08	1.17E-08	4.21E-10	1.02E-08	7.15E-09	6.18E-09	1.85E-09	2.58E-08
495611.06, 3859251.99	0.00999	3.643E-05	1.26E-08	3.81E-08	3.01E-08	2.60E-08	1.17E-08	4.21E-10	1.02E-08	7.15E-09	6.18E-09	1.85E-09	2.58E-08
495661.06, 3859251.99	0.01001	3.65E-05	1.26E-08	3.82E-08	3.01E-08	2.61E-08	1.17E-08	4.22E-10	1.02E-08	7.16E-09	6.20E-09	1.85E-09	2.58E-08
494311.06, 3859301.99	0.01054	3.844E-05	1.33E-08	4.02E-08	3.17E-08	2.75E-08	1.23E-08	4.44E-10	1.07E-08	7.54E-09	6.52E-09	1.95E-09	2.72E-08
494361.06, 3859301.99	0.01056	3.851E-05	1.33E-08	4.02E-08	3.18E-08	2.75E-08	1.24E-08	4.45E-10	1.08E-08	7.55E-09	6.54E-09	1.95E-09	2.72E-08
494411.06, 3859301.99	0.01055	3.847E-05	1.33E-08	4.02E-08	3.18E-08	2.75E-08	1.24E-08	4.45E-10	1.07E-08	7.55E-09	6.53E-09	1.95E-09	2.72E-08
494461.06, 3859301.99	0.01053	3.84E-05	1.33E-08	4.01E-08	3.17E-08	2.74E-08	1.23E-08	4.44E-10	1.07E-08	7.53E-09	6.52E-09	1.95E-09	2.72E-08
494511.06, 3859301.99	0.01052	3.836E-05	1.33E-08	4.01E-08	3.17E-08	2.74E-08	1.23E-08	4.43E-10	1.07E-08	7.53E-09	6.51E-09	1.94E-09	2.71E-08
494561.06, 3859301.99	0.01053	3.84E-05	1.33E-08	4.01E-08	3.17E-08	2.74E-08	1.23E-08	4.44E-10	1.07E-08	7.53E-09	6.52E-09	1.95E-09	2.72E-08
494611.06, 3859301.99	0.01052	3.836E-05	1.33E-08	4.01E-08	3.17E-08	2.74E-08	1.23E-08	4.43E-10	1.07E-08	7.53E-09	6.51E-09	1.94E-09	2.71E-08

494661.06, 3859301.99	0.01052	3.836E-05	1.33E-08	4.01E-08	3.17E-08	2.74E-08	1.23E-08	4.43E-10	1.07E-08	7.53E-09	6.51E-09	1.94E-09	2.71E-08
494711.06, 3859301.99	0.0105	3.829E-05	1.33E-08	4.00E-08	3.16E-08	2.74E-08	1.23E-08	4.43E-10	1.07E-08	7.51E-09	6.50E-09	1.94E-09	2.71E-08
494761.06, 3859301.99	0.01049	3.825E-05	1.32E-08	4.00E-08	3.16E-08	2.73E-08	1.23E-08	4.42E-10	1.07E-08	7.50E-09	6.49E-09	1.94E-09	2.71E-08
494811.06, 3859301.99	0.01044	3.807E-05	1.32E-08	3.98E-08	3.14E-08	2.72E-08	1.22E-08	4.40E-10	1.06E-08	7.47E-09	6.46E-09	1.93E-09	2.69E-08
494861.06, 3859301.99	0.01032	3.763E-05	1.30E-08	3.93E-08	3.11E-08	2.69E-08	1.21E-08	4.35E-10	1.05E-08	7.38E-09	6.39E-09	1.91E-09	2.66E-08
494911.06, 3859301.99	0.0103	3.756E-05	1.30E-08	3.93E-08	3.10E-08	2.68E-08	1.21E-08	4.34E-10	1.05E-08	7.37E-09	6.38E-09	1.90E-09	2.66E-08
494961.06, 3859301.99	0.01014	3.698E-05	1.28E-08	3.86E-08	3.05E-08	2.64E-08	1.19E-08	4.27E-10	1.03E-08	7.25E-09	6.28E-09	1.87E-09	2.62E-08
495011.06, 3859301.99	0.01014	3.698E-05	1.28E-08	3.86E-08	3.05E-08	2.64E-08	1.19E-08	4.27E-10	1.03E-08	7.25E-09	6.28E-09	1.87E-09	2.62E-08
495061.06, 3859301.99	0.01022	3.727E-05	1.29E-08	3.90E-08	3.08E-08	2.66E-08	1.20E-08	4.31E-10	1.04E-08	7.31E-09	6.33E-09	1.89E-09	2.64E-08
495111.06, 3859301.99	0.01025	3.738E-05	1.29E-08	3.91E-08	3.09E-08	2.67E-08	1.20E-08	4.32E-10	1.04E-08	7.33E-09	6.34E-09	1.89E-09	2.64E-08
495161.06, 3859301.99	0.01034	3.771E-05	1.31E-08	3.94E-08	3.11E-08	2.69E-08	1.21E-08	4.36E-10	1.05E-08	7.40E-09	6.40E-09	1.91E-09	2.67E-08
495211.06, 3859301.99	0.01043	3.803E-05	1.32E-08	3.98E-08	3.14E-08	2.72E-08	1.22E-08	4.40E-10	1.06E-08	7.46E-09	6.46E-09	1.93E-09	2.69E-08
495261.06, 3859301.99	0.01049	3.825E-05	1.32E-08	4.00E-08	3.16E-08	2.73E-08	1.23E-08	4.42E-10	1.07E-08	7.50E-09	6.49E-09	1.94E-09	2.71E-08
495311.06, 3859301.99	0.01048	3.822E-05	1.32E-08	3.99E-08	3.16E-08	2.73E-08	1.23E-08	4.42E-10	1.07E-08	7.50E-09	6.49E-09	1.94E-09	2.70E-08
495361.06, 3859301.99	0.01055	3.847E-05	1.33E-08	4.02E-08	3.18E-08	2.75E-08	1.24E-08	4.45E-10	1.07E-08	7.55E-09	6.53E-09	1.95E-09	2.72E-08
495411.06, 3859301.99	0.01059	3.862E-05	1.34E-08	4.04E-08	3.19E-08	2.76E-08	1.24E-08	4.46E-10	1.08E-08	7.58E-09	6.55E-09	1.96E-09	2.73E-08
495461.06, 3859301.99	0.01064	3.88E-05	1.34E-08	4.06E-08	3.20E-08	2.77E-08	1.25E-08	4.49E-10	1.08E-08	7.61E-09	6.59E-09	1.97E-09	2.74E-08
495511.06, 3859301.99	0.01064	3.88E-05	1.34E-08	4.06E-08	3.20E-08	2.77E-08	1.25E-08	4.49E-10	1.08E-08	7.61E-09	6.59E-09	1.97E-09	2.74E-08
495561.06, 3859301.99	0.0106	3.865E-05	1.34E-08	4.04E-08	3.19E-08	2.76E-08	1.24E-08	4.47E-10	1.08E-08	7.58E-09	6.56E-09	1.96E-09	2.73E-08
495611.06, 3859301.99	0.01062	3.873E-05	1.34E-08	4.05E-08	3.20E-08	2.77E-08	1.24E-08	4.48E-10	1.08E-08	7.60E-09	6.57E-09	1.96E-09	2.74E-08
495661.06, 3859301.99	0.01064	3.88E-05	1.34E-08	4.06E-08	3.20E-08	2.77E-08	1.25E-08	4.49E-10	1.08E-08	7.61E-09	6.59E-09	1.97E-09	2.74E-08
494311.06, 3859351.99	0.01119	4.081E-05	1.41E-08	4.27E-08	3.37E-08	2.92E-08	1.31E-08	4.72E-10	1.14E-08	8.00E-09	6.93E-09	2.07E-09	2.89E-08
494361.06, 3859351.99	0.0112	4.084E-05	1.41E-08	4.27E-08	3.37E-08	2.92E-08	1.31E-08	4.72E-10	1.14E-08	8.01E-09	6.93E-09	2.07E-09	2.89E-08
494411.06, 3859351.99	0.01116	4.07E-05	1.41E-08	4.25E-08	3.36E-08	2.91E-08	1.31E-08	4.70E-10	1.14E-08	7.98E-09	6.91E-09	2.06E-09	2.88E-08
494461.06, 3859351.99	0.01116	4.07E-05	1.41E-08	4.25E-08	3.36E-08	2.91E-08	1.31E-08	4.70E-10	1.14E-08	7.98E-09	6.91E-09	2.06E-09	2.88E-08
494511.06, 3859351.99	0.01115	4.066E-05	1.41E-08	4.25E-08	3.36E-08	2.90E-08	1.31E-08	4.70E-10	1.14E-08	7.98E-09	6.90E-09	2.06E-09	2.88E-08
494561.06, 3859351.99	0.01118	4.077E-05	1.41E-08	4.26E-08	3.37E-08	2.91E-08	1.31E-08	4.71E-10	1.14E-08	8.00E-09	6.92E-09	2.07E-09	2.88E-08
494611.06, 3859351.99	0.01118	4.077E-05	1.41E-08	4.26E-08	3.37E-08	2.91E-08	1.31E-08	4.71E-10	1.14E-08	8.00E-09	6.92E-09	2.07E-09	2.88E-08
494661.06, 3859351.99	0.01117	4.073E-05	1.41E-08	4.26E-08	3.36E-08	2.91E-08	1.31E-08	4.71E-10	1.14E-08	7.99E-09	6.91E-09	2.06E-09	2.88E-08
494711.06, 3859351.99	0.01114	4.062E-05	1.41E-08	4.25E-08	3.35E-08	2.90E-08	1.30E-08	4.70E-10	1.13E-08	7.97E-09	6.90E-09	2.06E-09	2.87E-08
494761.06, 3859351.99	0.01092	3.982E-05	1.38E-08	4.16E-08	3.29E-08	2.84E-08	1.28E-08	4.60E-10	1.11E-08	7.81E-09	6.76E-09	2.02E-09	2.82E-08
494811.06, 3859351.99	0.01093	3.986E-05	1.38E-08	4.17E-08	3.29E-08	2.85E-08	1.28E-08	4.61E-10	1.11E-08	7.82E-09	6.77E-09	2.02E-09	2.82E-08
494861.06, 3859351.99	0.01094	3.989E-05	1.38E-08	4.17E-08	3.29E-08	2.85E-08	1.28E-08	4.61E-10	1.11E-08	7.83E-09	6.77E-09	2.02E-09	2.82E-08
494911.06, 3859351.99	0.01097	4E-05	1.38E-08	4.18E-08	3.30E-08	2.86E-08	1.29E-08	4.62E-10	1.12E-08	7.85E-09	6.79E-09	2.03E-09	2.83E-08
494961.06, 3859351.99	0.01094	3.989E-05	1.38E-08	4.17E-08	3.29E-08	2.85E-08	1.28E-08	4.61E-10	1.11E-08	7.83E-09	6.77E-09	2.02E-09	2.82E-08
495011.06, 3859351.99	0.01094	3.989E-05	1.38E-08	4.17E-08	3.29E-08	2.85E-08	1.28E-08	4.61E-10	1.11E-08	7.83E-09	6.77E-09	2.02E-09	2.82E-08
495061.06, 3859351.99	0.01107	4.037E-05	1.40E-08	4.22E-08	3.33E-08	2.88E-08	1.30E-08	4.67E-10	1.13E-08	7.92E-09	6.85E-09	2.05E-09	2.86E-08
495111.06, 3859351.99	0.01107	4.037E-05	1.40E-08	4.22E-08	3.33E-08	2.88E-08	1.30E-08	4.67E-10	1.13E-08	7.92E-09	6.85E-09	2.05E-09	2.86E-08
495161.06, 3859351.99	0.01111	4.051E-05	1.40E-08	4.23E-08	3.34E-08	2.89E-08	1.30E-08	4.68E-10	1.13E-08	7.95E-09	6.88E-09	2.05E-09	2.87E-08
495211.06, 3859351.99	0.01114	4.062E-05	1.41E-08	4.25E-08	3.35E-08	2.90E-08	1.30E-08	4.70E-10	1.13E-08	7.97E-09	6.90E-09	2.06E-09	2.87E-08
495261.06, 3859351.99	0.01121	4.088E-05	1.42E-08	4.27E-08	3.38E-08	2.92E-08	1.31E-08	4.73E-10	1.14E-08	8.02E-09	6.94E-09	2.07E-09	2.89E-08
495311.06, 3859351.99	0.01121	4.088E-05	1.42E-08	4.27E-08	3.38E-08	2.92E-08	1.31E-08	4.73E-10	1.14E-08	8.02E-09	6.94E-09	2.07E-09	2.89E-08
495361.06, 3859351.99	0.01124	4.099E-05	1.42E-08	4.28E-08	3.38E-08	2.93E-08	1.32E-08	4.74E-10	1.14E-08	8.04E-09	6.96E-09	2.08E-09	2.90E-08
495411.06, 3859351.99	0.0113	4.121E-05	1.43E-08	4.31E-08	3.40E-08	2.94E-08	1.32E-08	4.76E-10	1.15E-08	8.08E-09	6.99E-09	2.09E-09	2.91E-08
495461.06, 3859351.99	0.01137	4.146E-05	1.44E-08	4.33E-08	3.42E-08	2.96E-08	1.33E-08	4.79E-10	1.16E-08	8.13E-09	7.04E-09	2.10E-09	2.93E-08
495511.06, 3859351.99	0.01134	4.135E-05	1.43E-08	4.32E-08	3.41E-08	2.95E-08	1.33E-08	4.78E-10	1.15E-08	8.11E-09	7.02E-09	2.10E-09	2.93E-08
495561.06, 3859351.99	0.01134	4.135E-05	1.43E-08	4.32E-08	3.41E-08	2.95E-08	1.33E-08	4.78E-10	1.15E-08	8.11E-09	7.02E-09	2.10E-09	2.93E-08
495611.06, 3859351.99	0.01137	4.146E-05	1.44E-08	4.33E-08	3.42E-08	2.96E-08	1.33E-08	4.79E-10	1.16E-08	8.13E-09	7.04E-09	2.10E-09	2.93E-08
495661.06, 3859351.99	0.01134	4.135E-05	1.43E-08	4.32E-08	3.41E-08	2.95E-08	1.33E-08	4.78E-10	1.15E-08	8.11E-09	7.02E-09	2.10E-09	2.93E-08
494311.06, 3859401.99	0.01196	4.361E-05	1.51E-08	4.56E-08	3.60E-08	3.12E-08	1.40E-08	5.04E-10	1.22E-08	8.56E-09	7.40E-09	2.21E-09	3.09E-08
494361.06, 3859401.99	0.0119	4.34E-05	1.50E-08	4.54E-08	3.58E-08	3.10E-08	1.39E-08	5.02E-10	1.21E-08	8.51E-09	7.37E-09	2.20E-09	3.07E-08
494411.06, 3859401.99	0.01184	4.318E-05	1.49E-08	4.51E-08	3.56E-08	3.08E-08	1.39E-08	4.99E-10	1.21E-08	8.47E-09	7.33E-09	2.19E-09	3.05E-08
494461.06, 3859401.99	0.01185	4.321E-05	1.50E-08	4.52E-08	3.57E-08	3.09E-08	1.39E-08	5.00E-10	1.21E-08	8.48E-09	7.33E-09	2.19E-09	3.06E-08
494511.06, 3859401.99	0.0119	4.34E-05	1.50E-08	4.54E-08	3.58E-08	3.10E-08	1.39E-08	5.02E-10	1.21E-08	8.51E-09	7.37E-09	2.20E-09	3.07E-08
494561.06, 3859401.99	0.01192	4.347E-05	1.50E-08	4.54E-08	3.59E-08	3.11E-08	1.40E-08	5.02E-10	1.21E-08	8.53E-09	7.38E-09	2.20E-09	3.07E-08
494611.06, 3859401.99	0.0119	4.34E-05	1.50E-08	4.54E-08	3.58E-08	3.10E-08	1.39E-08	5.02E-10	1.21E-08	8.51E-09	7.37E-09	2.20E-09	3.07E-08
494661.06, 3859401.99	0.01193	4.35E-05	1.51E-08	4.55E-08	3.59E-08	3.11E-08	1.40E-08	5.03E-10	1.21E-08	8.53E-09	7.38E-09	2.20E-09	3.08E-08
494711.06, 3859401.99	0.01194	4.354E-05	1.51E-08	4.55E-08	3.59E-08	3.11E-08	1.40E-08	5.03E-10	1.22E-08	8.54E-09	7.39E-09	2.21E-09	3.08E-08
494761.06, 3859401.99	0.0116	4.23E-05	1.46E-08	4.42E-08	3.49E-08	3.02E-08	1.36E-08	4.89E-10	1.18E-08	8.30E-09	7.18E-09	2.14E-09	2.99E-08
494811.06, 3859401.99	0.01179	4.299E-05	1.49E-08	4.49E-08	3.55E-08	3.07E-08	1.38E-08	4.97E-10	1.20E-08	8.43E-09	7.30E-09	2.18E-09	3.04E-08
494861.06, 3859401.99	0.01169	4.263E-05	1.48E-08	4.46E-08	3.52E-08	3.05E-08	1.37E-08	4.93E-10	1.19E-08	8.36E-09	7.24E-09	2.16E-09	3.02E-08
494911.06, 3859401.99	0.01156	4.216E-05	1.46E-08	4.41E-08	3.48E-08	3.01E-08	1.35E-08	4.87E-10	1.18E-08	8.27E-09	7.16E-09	2.14E-09	2.98E-08
494961.06, 3859401.99	0.01168	4.259E-05	1.47E-08	4.45E-08	3.52E-08	3.04E-08	1.37E-08	4.92E-10	1.19E-08	8.36E-09	7.23E-09	2.16E-09	3.01E-08
495011.06, 3859401.99	0.01173	4.278E-05	1.48E-08	4.47E-08	3.53E-08	3.06E-08	1.37E-08	4.94E-10	1.19E-08	8.39E-09	7.26E-09	2.17E-09	3.03E-08
495061.06, 3859401.99	0.01165	4.248E-05	1.47E-08	4.44E-08	3.51E-08	3.03E-08	1.36E-08	4.91E-10	1.19E-08	8.33E-09	7.21E-09	2.15E-09	3.01E-08
495111.06, 3859401.99	0.01167	4.256E-05	1.47E-08	4.45E-08	3.51E-08	3.04E-08	1.37E-08	4.92E-10	1.19E-08	8.35E-09	7.22E-09	2.16E-09	3.01E-08
495161.06, 3859401.99	0.01185	4.321E-05	1.50E-08	4.52E-08	3.57E-08	3.09E-08	1.39E-08	5.00E-10	1.21E-08	8.48E-09	7.33E-09	2.19E-09	3.06E-08
495211.06, 3859401.99	0.01193	4.35E-05	1.51E-08	4.55E-08	3.59E-08	3.11E-08	1.40E-08	5.03E-10	1.21E-08	8.53E-09	7.38E-09	2.20E-09	3.08E-08
495261.06, 3859401.99	0.01197	4.365E-05	1.51E-08	4.56E-08	3.60E-08	3.12E-08	1.40E-08	5.05E-10	1.22E-08	8.56E-09	7.41E-09	2.21E-09	3.09E-08
495311.06, 3859401.99	0.012	4.376E-05	1.51E-08	4.57E-08	3.61E-08	3.13E-08	1.41E-08	5.06E-10	1.22E-08	8.58E-09	7.43E-09	2.22E-09	3.10E-08
495361.06, 3859401.99	0.01209	4.409E-05	1.53E-08	4.61E-08	3.64E-08	3.15E-08	1.42E-08	5.10E-10	1.23E-08	8.65E-09	7.48E-09	2.23E-09	3.12E-08
495411.06, 3859401.99	0.01214	4.427E-05	1.53E-08	4.63E-08	3.66E-08	3.16E-08	1.42E-08	5.12E-10	1.24E-08	8.68E-09	7.51E-09	2.24E-09	3.13E-08
495461.06, 3859401.99	0.01215	4.431E-05	1.53E-08	4.63E-08	3.66E-08	3.17E-08	1.42E-08	5.12E-10	1.24E-08	8.69E-09	7.52E-09	2.24E-09	3.13E-08
495511.06, 3859401.99	0.01213	4.423E-05	1.53E-08	4.62E-08	3.65E-08	3.16E-08	1.42E-08	5.11E-10	1.24E-08	8.68E-09	7.51E-09	2.24E-09	3.13E-08
495561.06, 3859401.99	0.01208	4.405E-05	1.52E-08	4.60E-08	3.64E-08	3.15E-08	1.42E-08	5.09E-10	1.23E-08	8.64E-09	7.48E-09	2.23E-09	3.12E-08
495611.06, 3859401.99	0.01209	4.409E-05	1.53E-08	4.61E-08	3.64E-08	3.15E-08	1.42E-08	5.10E-10	1.23E-08	8.65E-09	7.48E-09	2.23E-09	3.12E-08
495661.06, 3859401.99	0.01212	4.42E-05	1.53E-08	4.62E-08	3.65E-08	3.16E-08	1.42E-08	5.11E-10	1.23E-08	8.67E-09	7.50E-09	2.24E-09	3.13E-08
494311.06, 3859451.99	0.0127	4.631E-05	1.60E-08	4.84E-08	3.82E-08	3.31E-08	1.49E-08	5.35E-10	1.29E-08	9.08E-09	7.86E-09	2.35E-09	3.28E-08
494361.06, 3859451.99	0.01266	4.617E-05	1.60E-08	4.83E-08	3.81E-08	3.30E-08	1.48E-08	5.34E-10	1.29E-08	9.06E-09	7.84E-09	2.34E-09	3.27E-08
494411.06, 3859451.99	0.01253	4.569E-05	1.58E-08	4.78E-08	3.77E-08	3.26E-08	1.47E-08	5.28E-10	1.28E-08	8.96E-09	7.76E-09	2.32E-09	3.23E-08

494461.06, 3859451.99	0.01262	4.602E-05	1.59E-08	4.81E-08	3.80E-08	3.29E-08	1.48E-08	5.32E-10	1.28E-08	9.03E-09	7.81E-09	2.33E-09	3.26E-08
494511.06, 3859451.99	0.01262	4.602E-05	1.59E-08	4.81E-08	3.80E-08	3.29E-08	1.48E-08	5.32E-10	1.28E-08	9.03E-09	7.81E-09	2.33E-09	3.26E-08
494561.06, 3859451.99	0.01265	4.613E-05	1.60E-08	4.82E-08	3.81E-08	3.30E-08	1.48E-08	5.33E-10	1.29E-08	9.05E-09	7.83E-09	2.34E-09	3.26E-08
494611.06, 3859451.99	0.01273	4.642E-05	1.61E-08	4.85E-08	3.83E-08	3.32E-08	1.49E-08	5.37E-10	1.30E-08	9.11E-09	7.88E-09	2.35E-09	3.28E-08
494661.06, 3859451.99	0.01271	4.635E-05	1.60E-08	4.84E-08	3.83E-08	3.31E-08	1.49E-08	5.36E-10	1.29E-08	9.09E-09	7.87E-09	2.35E-09	3.28E-08
494711.06, 3859451.99	0.01269	4.628E-05	1.60E-08	4.84E-08	3.82E-08	3.31E-08	1.49E-08	5.35E-10	1.29E-08	9.08E-09	7.85E-09	2.34E-09	3.27E-08
494761.06, 3859451.99	0.0127	4.631E-05	1.60E-08	4.84E-08	3.82E-08	3.31E-08	1.49E-08	5.35E-10	1.29E-08	9.08E-09	7.86E-09	2.35E-09	3.28E-08
494811.06, 3859451.99	0.01263	4.606E-05	1.59E-08	4.81E-08	3.80E-08	3.29E-08	1.48E-08	5.32E-10	1.29E-08	9.03E-09	7.82E-09	2.33E-09	3.26E-08
494861.06, 3859451.99	0.01258	4.588E-05	1.59E-08	4.79E-08	3.79E-08	3.28E-08	1.47E-08	5.30E-10	1.28E-08	9.00E-09	7.79E-09	2.32E-09	3.24E-08
494911.06, 3859451.99	0.01256	4.58E-05	1.59E-08	4.79E-08	3.78E-08	3.27E-08	1.47E-08	5.29E-10	1.28E-08	8.98E-09	7.77E-09	2.32E-09	3.24E-08
494961.06, 3859451.99	0.01259	4.591E-05	1.59E-08	4.80E-08	3.79E-08	3.28E-08	1.47E-08	5.31E-10	1.28E-08	9.01E-09	7.79E-09	2.33E-09	3.25E-08
495011.06, 3859451.99	0.01261	4.598E-05	1.59E-08	4.81E-08	3.80E-08	3.29E-08	1.48E-08	5.32E-10	1.28E-08	9.02E-09	7.81E-09	2.33E-09	3.25E-08
495061.06, 3859451.99	0.01263	4.606E-05	1.59E-08	4.81E-08	3.80E-08	3.29E-08	1.48E-08	5.32E-10	1.29E-08	9.03E-09	7.82E-09	2.33E-09	3.26E-08
495111.06, 3859451.99	0.01265	4.613E-05	1.60E-08	4.82E-08	3.81E-08	3.30E-08	1.48E-08	5.33E-10	1.29E-08	9.05E-09	7.83E-09	2.34E-09	3.26E-08
495161.06, 3859451.99	0.01272	4.639E-05	1.61E-08	4.85E-08	3.83E-08	3.31E-08	1.49E-08	5.36E-10	1.30E-08	9.10E-09	7.87E-09	2.35E-09	3.28E-08
495211.06, 3859451.99	0.01281	4.671E-05	1.62E-08	4.88E-08	3.86E-08	3.34E-08	1.50E-08	5.40E-10	1.30E-08	9.16E-09	7.93E-09	2.37E-09	3.30E-08
495261.06, 3859451.99	0.01289	4.701E-05	1.63E-08	4.91E-08	3.88E-08	3.36E-08	1.51E-08	5.43E-10	1.31E-08	9.22E-09	7.98E-09	2.38E-09	3.32E-08
495311.06, 3859451.99	0.01292	4.711E-05	1.63E-08	4.92E-08	3.89E-08	3.37E-08	1.51E-08	5.45E-10	1.32E-08	9.24E-09	8.00E-09	2.39E-09	3.33E-08
495361.06, 3859451.99	0.01296	4.726E-05	1.64E-08	4.94E-08	3.90E-08	3.38E-08	1.52E-08	5.46E-10	1.32E-08	9.27E-09	8.02E-09	2.39E-09	3.34E-08
495411.06, 3859451.99	0.01299	4.737E-05	1.64E-08	4.95E-08	3.91E-08	3.38E-08	1.52E-08	5.48E-10	1.32E-08	9.29E-09	8.04E-09	2.40E-09	3.35E-08
495461.06, 3859451.99	0.01303	4.752E-05	1.64E-08	4.97E-08	3.92E-08	3.39E-08	1.53E-08	5.49E-10	1.33E-08	9.32E-09	8.07E-09	2.41E-09	3.36E-08
495511.06, 3859451.99	0.01298	4.733E-05	1.64E-08	4.95E-08	3.91E-08	3.38E-08	1.52E-08	5.47E-10	1.32E-08	9.29E-09	8.03E-09	2.40E-09	3.35E-08
495561.06, 3859451.99	0.01298	4.733E-05	1.64E-08	4.95E-08	3.91E-08	3.38E-08	1.52E-08	5.47E-10	1.32E-08	9.29E-09	8.03E-09	2.40E-09	3.35E-08
495611.06, 3859451.99	0.01298	4.733E-05	1.64E-08	4.95E-08	3.91E-08	3.38E-08	1.52E-08	5.47E-10	1.32E-08	9.29E-09	8.03E-09	2.40E-09	3.35E-08
495661.06, 3859451.99	0.01299	4.737E-05	1.64E-08	4.95E-08	3.91E-08	3.38E-08	1.52E-08	5.48E-10	1.32E-08	9.29E-09	8.04E-09	2.40E-09	3.35E-08
494311.06, 3859501.99	0.01359	4.956E-05	1.72E-08	5.18E-08	4.09E-08	3.54E-08	1.59E-08	5.73E-10	1.38E-08	9.72E-09	8.41E-09	2.51E-09	3.51E-08
494361.06, 3859501.99	0.01352	4.93E-05	1.71E-08	5.15E-08	4.07E-08	3.52E-08	1.58E-08	5.70E-10	1.38E-08	9.67E-09	8.37E-09	2.50E-09	3.49E-08
494411.06, 3859501.99	0.01329	4.846E-05	1.68E-08	5.07E-08	4.00E-08	3.46E-08	1.56E-08	5.60E-10	1.35E-08	9.51E-09	8.23E-09	2.46E-09	3.43E-08
494461.06, 3859501.99	0.01351	4.927E-05	1.71E-08	5.15E-08	4.07E-08	3.52E-08	1.58E-08	5.69E-10	1.38E-08	9.66E-09	8.36E-09	2.50E-09	3.48E-08
494511.06, 3859501.99	0.01348	4.916E-05	1.70E-08	5.14E-08	4.06E-08	3.51E-08	1.58E-08	5.68E-10	1.37E-08	9.64E-09	8.34E-09	2.49E-09	3.48E-08
494561.06, 3859501.99	0.01347	4.912E-05	1.70E-08	5.13E-08	4.06E-08	3.51E-08	1.58E-08	5.68E-10	1.37E-08	9.64E-09	8.34E-09	2.49E-09	3.47E-08
494611.06, 3859501.99	0.01367	4.985E-05	1.73E-08	5.21E-08	4.12E-08	3.56E-08	1.60E-08	5.76E-10	1.39E-08	9.78E-09	8.46E-09	2.53E-09	3.53E-08
494661.06, 3859501.99	0.01361	4.963E-05	1.72E-08	5.19E-08	4.10E-08	3.55E-08	1.59E-08	5.74E-10	1.39E-08	9.74E-09	8.42E-09	2.51E-09	3.51E-08
494711.06, 3859501.99	0.01351	4.927E-05	1.71E-08	5.15E-08	4.07E-08	3.52E-08	1.58E-08	5.69E-10	1.38E-08	9.66E-09	8.36E-09	2.50E-09	3.48E-08
494761.06, 3859501.99	0.01364	4.974E-05	1.72E-08	5.20E-08	4.11E-08	3.55E-08	1.60E-08	5.75E-10	1.39E-08	9.76E-09	8.44E-09	2.52E-09	3.52E-08
494811.06, 3859501.99	0.01346	4.908E-05	1.70E-08	5.13E-08	4.05E-08	3.51E-08	1.58E-08	5.67E-10	1.37E-08	9.63E-09	8.33E-09	2.49E-09	3.47E-08
494861.06, 3859501.99	0.01347	4.912E-05	1.70E-08	5.13E-08	4.06E-08	3.51E-08	1.58E-08	5.68E-10	1.37E-08	9.64E-09	8.34E-09	2.49E-09	3.47E-08
494911.06, 3859501.99	0.01352	4.93E-05	1.71E-08	5.15E-08	4.07E-08	3.52E-08	1.58E-08	5.70E-10	1.38E-08	9.67E-09	8.37E-09	2.50E-09	3.49E-08
494961.06, 3859501.99	0.01348	4.916E-05	1.70E-08	5.14E-08	4.06E-08	3.51E-08	1.58E-08	5.68E-10	1.37E-08	9.64E-09	8.34E-09	2.49E-09	3.48E-08
495011.06, 3859501.99	0.01354	4.938E-05	1.71E-08	5.16E-08	4.08E-08	3.53E-08	1.59E-08	5.71E-10	1.38E-08	9.69E-09	8.38E-09	2.50E-09	3.49E-08
495061.06, 3859501.99	0.0136	4.959E-05	1.72E-08	5.18E-08	4.09E-08	3.54E-08	1.59E-08	5.73E-10	1.38E-08	9.73E-09	8.42E-09	2.51E-09	3.51E-08
495111.06, 3859501.99	0.01358	4.952E-05	1.71E-08	5.18E-08	4.09E-08	3.54E-08	1.59E-08	5.72E-10	1.38E-08	9.71E-09	8.41E-09	2.51E-09	3.50E-08
495161.06, 3859501.99	0.01366	4.981E-05	1.72E-08	5.21E-08	4.11E-08	3.56E-08	1.60E-08	5.76E-10	1.39E-08	9.77E-09	8.46E-09	2.52E-09	3.52E-08
495211.06, 3859501.99	0.01376	5.018E-05	1.74E-08	5.24E-08	4.14E-08	3.58E-08	1.61E-08	5.80E-10	1.40E-08	9.84E-09	8.52E-09	2.54E-09	3.55E-08
495261.06, 3859501.99	0.01382	5.04E-05	1.74E-08	5.27E-08	4.16E-08	3.60E-08	1.62E-08	5.83E-10	1.41E-08	9.89E-09	8.55E-09	2.55E-09	3.56E-08
495311.06, 3859501.99	0.0139	5.069E-05	1.75E-08	5.30E-08	4.18E-08	3.62E-08	1.63E-08	5.86E-10	1.42E-08	9.94E-09	8.60E-09	2.57E-09	3.59E-08
495361.06, 3859501.99	0.01394	5.083E-05	1.76E-08	5.31E-08	4.20E-08	3.63E-08	1.63E-08	5.88E-10	1.42E-08	9.97E-09	8.63E-09	2.58E-09	3.60E-08
495411.06, 3859501.99	0.01399	5.102E-05	1.77E-08	5.33E-08	4.21E-08	3.64E-08	1.64E-08	5.90E-10	1.42E-08	1.00E-08	8.66E-09	2.58E-09	3.61E-08
495461.06, 3859501.99	0.01401	5.109E-05	1.77E-08	5.34E-08	4.22E-08	3.65E-08	1.64E-08	5.91E-10	1.43E-08	1.00E-08	8.67E-09	2.59E-09	3.61E-08
495511.06, 3859501.99	0.01374	5.011E-05	1.73E-08	5.24E-08	4.14E-08	3.58E-08	1.61E-08	5.79E-10	1.40E-08	9.83E-09	8.50E-09	2.54E-09	3.54E-08
495561.06, 3859501.99	0.01397	5.094E-05	1.76E-08	5.32E-08	4.21E-08	3.64E-08	1.64E-08	5.89E-10	1.42E-08	9.99E-09	8.65E-09	2.58E-09	3.60E-08
495611.06, 3859501.99	0.01396	5.091E-05	1.76E-08	5.32E-08	4.20E-08	3.64E-08	1.64E-08	5.88E-10	1.42E-08	9.99E-09	8.64E-09	2.58E-09	3.60E-08
495661.06, 3859501.99	0.01394	5.083E-05	1.76E-08	5.31E-08	4.20E-08	3.63E-08	1.63E-08	5.88E-10	1.42E-08	9.97E-09	8.63E-09	2.58E-09	3.60E-08
494311.06, 3859551.99	0.01454	5.302E-05	1.84E-08	5.54E-08	4.38E-08	3.79E-08	1.70E-08	6.13E-10	1.48E-08	1.04E-08	9.00E-09	2.69E-09	3.75E-08
494361.06, 3859551.99	0.01395	5.087E-05	1.76E-08	5.32E-08	4.20E-08	3.63E-08	1.63E-08	5.88E-10	1.42E-08	9.98E-09	8.63E-09	2.58E-09	3.60E-08
494411.06, 3859551.99	0.01395	5.087E-05	1.76E-08	5.32E-08	4.20E-08	3.63E-08	1.63E-08	5.88E-10	1.42E-08	9.98E-09	8.63E-09	2.58E-09	3.60E-08
494461.06, 3859551.99	0.01445	5.269E-05	1.82E-08	5.51E-08	4.35E-08	3.76E-08	1.69E-08	6.09E-10	1.47E-08	1.03E-08	8.94E-09	2.67E-09	3.73E-08
494511.06, 3859551.99	0.01442	5.258E-05	1.82E-08	5.50E-08	4.34E-08	3.76E-08	1.69E-08	6.08E-10	1.47E-08	1.03E-08	8.93E-09	2.66E-09	3.72E-08
494561.06, 3859551.99	0.01444	5.266E-05	1.82E-08	5.50E-08	4.35E-08	3.76E-08	1.69E-08	6.09E-10	1.47E-08	1.03E-08	8.94E-09	2.67E-09	3.72E-08
494611.06, 3859551.99	0.01455	5.306E-05	1.84E-08	5.55E-08	4.38E-08	3.79E-08	1.70E-08	6.13E-10	1.48E-08	1.04E-08	9.01E-09	2.69E-09	3.75E-08
494661.06, 3859551.99	0.01461	5.328E-05	1.84E-08	5.57E-08	4.40E-08	3.81E-08	1.71E-08	6.16E-10	1.49E-08	1.05E-08	9.04E-09	2.70E-09	3.77E-08
494711.06, 3859551.99	0.01433	5.226E-05	1.81E-08	5.46E-08	4.31E-08	3.73E-08	1.68E-08	6.04E-10	1.46E-08	1.03E-08	8.87E-09	2.65E-09	3.70E-08
494761.06, 3859551.99	0.01463	5.335E-05	1.85E-08	5.58E-08	4.40E-08	3.81E-08	1.71E-08	6.17E-10	1.49E-08	1.05E-08	9.06E-09	2.70E-09	3.77E-08
494811.06, 3859551.99	0.01447	5.277E-05	1.83E-08	5.52E-08	4.36E-08	3.77E-08	1.70E-08	6.10E-10	1.47E-08	1.04E-08	8.96E-09	2.67E-09	3.73E-08
494861.06, 3859551.99	0.0145	5.288E-05	1.83E-08	5.53E-08	4.37E-08	3.78E-08	1.70E-08	6.11E-10	1.48E-08	1.04E-08	8.98E-09	2.68E-09	3.74E-08
494911.06, 3859551.99	0.01447	5.277E-05	1.83E-08	5.52E-08	4.36E-08	3.77E-08	1.70E-08	6.10E-10	1.47E-08	1.04E-08	8.96E-09	2.67E-09	3.73E-08
494961.06, 3859551.99	0.01453	5.299E-05	1.83E-08	5.54E-08	4.37E-08	3.79E-08	1.70E-08	6.12E-10	1.48E-08	1.04E-08	8.99E-09	2.68E-09	3.75E-08
495011.06, 3859551.99	0.01463	5.335E-05	1.85E-08	5.58E-08	4.40E-08	3.81E-08	1.71E-08	6.17E-10	1.49E-08	1.05E-08	9.06E-09	2.70E-09	3.77E-08
495061.06, 3859551.99	0.01466	5.346E-05	1.85E-08	5.59E-08	4.41E-08	3.82E-08	1.72E-08	6.18E-10	1.49E-08	1.05E-08	9.07E-09	2.71E-09	3.78E-08
495111.06, 3859551.99	0.01466	5.346E-05	1.85E-08	5.59E-08	4.41E-08	3.82E-08	1.72E-08	6.18E-10	1.49E-08	1.05E-08	9.07E-09	2.71E-09	3.78E-08
495161.06, 3859551.99	0.01476	5.382E-05	1.86E-08	5.63E-08	4.44E-08	3.85E-08	1.73E-08	6.22E-10	1.50E-08	1.06E-08	9.14E-09	2.73E-09	3.81E-08
495211.06, 3859551.99	0.01488	5.426E-05	1.88E-08	5.67E-08	4.48E-08	3.88E-08	1.74E-08	6.27E-10	1.52E-08	1.06E-08	9.21E-09	2.75E-09	3.84E-08
495261.06, 3859551.99	0.01489	5.43E-05	1.88E-08	5.68E-08	4.48E-08	3.88E-08	1.74E-08	6.28E-10	1.52E-08	1.07E-08	9.22E-09	2.75E-09	3.84E-08
495311.06, 3859551.99	0.01493	5.444E-05	1.88E-08	5.69E-08	4.50E-08	3.89E-08	1.75E-08	6.29E-10	1.52E-08	1.07E-08	9.24E-09	2.76E-09	3.85E-08
495361.06, 3859551.99	0.015	5.47E-05	1.89E-08	5.72E-08	4.52E-08	3.91E-08	1.76E-08	6.32E-10	1.53E-08	1.07E-08	9.28E-09	2.77E-09	3.87E-08
495411.06, 3859551.99	0.01508	5.499E-05	1.90E-08	5.75E-08	4.54E-08	3.93E-08	1.77E-08	6.36E-10	1.54E-08	1.08E-08	9.33E-09	2.79E-09	3.89E-08
495461.06, 3859551.99	0.01503	5.481E-05	1.90E-08	5.73E-08	4.53E-08	3.92E-08	1.76E-08	6.34E-10	1.53E-08	1.08E-08	9.30E-09	2.78E-09	3.88E-08
495511.06, 3859551.99	0.01498	5.463E-05	1.89E-08	5.71E-08	4.51E-08	3.90E-08	1.75E-08	6.31E-10	1.53E-08	1.07E-08	9.27E-09	2.77E-09	3.86E-08
495561.06, 3859551.99	0.01499	5.466E-05	1.89E-08	5.71E-08	4.51E-08	3.91E-08	1.76E-08	6.32E-10	1.53E-08	1.07E-08	9.28E-09	2.77E-09	3.87E-08
495611.06, 3859551.99	0.01501	5.474E-05	1.89E-08	5.72E-08	4.52E-08	3.91E-08	1.76E-08	6.33E-10	1.53E-08	1.07E-08	9.29E-09	2.77E-09	3.87E-08

495661.06, 3859551.99	0.01499	5.466E-05	1.89E-08	5.71E-08	4.51E-08	3.91E-08	1.76E-08	6.32E-10	1.53E-08	1.07E-08	9.28E-09	2.77E-09	3.87E-08
494311.06, 3859601.99	0.01569	5.722E-05	1.98E-08	5.98E-08	4.72E-08	4.09E-08	1.84E-08	6.61E-10	1.60E-08	1.12E-08	9.71E-09	2.90E-09	4.05E-08
494361.06, 3859601.99	0.01508	5.499E-05	1.90E-08	5.75E-08	4.54E-08	3.93E-08	1.77E-08	6.36E-10	1.54E-08	1.08E-08	9.33E-09	2.79E-09	3.89E-08
494411.06, 3859601.99	0.01519	5.539E-05	1.92E-08	5.79E-08	4.57E-08	3.96E-08	1.78E-08	6.40E-10	1.55E-08	1.09E-08	9.40E-09	2.81E-09	3.92E-08
494461.06, 3859601.99	0.01552	5.66E-05	1.96E-08	5.92E-08	4.67E-08	4.04E-08	1.82E-08	6.54E-10	1.58E-08	1.11E-08	9.61E-09	2.87E-09	4.00E-08
494511.06, 3859601.99	0.01536	5.601E-05	1.94E-08	5.85E-08	4.62E-08	4.00E-08	1.80E-08	6.47E-10	1.56E-08	1.10E-08	9.51E-09	2.84E-09	3.96E-08
494561.06, 3859601.99	0.01559	5.685E-05	1.97E-08	5.94E-08	4.69E-08	4.06E-08	1.83E-08	6.57E-10	1.59E-08	1.12E-08	9.65E-09	2.88E-09	4.02E-08
494611.06, 3859601.99	0.01573	5.736E-05	1.99E-08	6.00E-08	4.74E-08	4.10E-08	1.84E-08	6.63E-10	1.60E-08	1.13E-08	9.74E-09	2.91E-09	4.06E-08
494661.06, 3859601.99	0.01529	5.576E-05	1.93E-08	5.83E-08	4.60E-08	3.98E-08	1.79E-08	6.45E-10	1.56E-08	1.09E-08	9.46E-09	2.83E-09	3.94E-08
494711.06, 3859601.99	0.0154	5.616E-05	1.94E-08	5.87E-08	4.64E-08	4.01E-08	1.80E-08	6.49E-10	1.57E-08	1.10E-08	9.53E-09	2.85E-09	3.97E-08
494761.06, 3859601.99	0.01584	5.776E-05	2.00E-08	6.04E-08	4.77E-08	4.13E-08	1.86E-08	6.68E-10	1.61E-08	1.13E-08	9.80E-09	2.93E-09	4.09E-08
494811.06, 3859601.99	0.01564	5.703E-05	1.97E-08	5.96E-08	4.71E-08	4.07E-08	1.83E-08	6.59E-10	1.59E-08	1.12E-08	9.68E-09	2.89E-09	4.03E-08
494861.06, 3859601.99	0.01568	5.718E-05	1.98E-08	5.98E-08	4.72E-08	4.08E-08	1.84E-08	6.61E-10	1.60E-08	1.12E-08	9.71E-09	2.90E-09	4.04E-08
494911.06, 3859601.99	0.01557	5.678E-05	1.97E-08	5.93E-08	4.69E-08	4.06E-08	1.82E-08	6.56E-10	1.59E-08	1.11E-08	9.64E-09	2.88E-09	4.02E-08
494961.06, 3859601.99	0.0158	5.762E-05	1.99E-08	6.02E-08	4.76E-08	4.12E-08	1.85E-08	6.66E-10	1.61E-08	1.13E-08	9.78E-09	2.92E-09	4.08E-08
495011.06, 3859601.99	0.01567	5.714E-05	1.98E-08	5.97E-08	4.72E-08	4.08E-08	1.84E-08	6.61E-10	1.60E-08	1.12E-08	9.70E-09	2.90E-09	4.04E-08
495061.06, 3859601.99	0.01584	5.776E-05	2.00E-08	6.04E-08	4.77E-08	4.13E-08	1.86E-08	6.68E-10	1.61E-08	1.13E-08	9.80E-09	2.93E-09	4.09E-08
495111.06, 3859601.99	0.01581	5.765E-05	2.00E-08	6.03E-08	4.76E-08	4.12E-08	1.85E-08	6.66E-10	1.61E-08	1.13E-08	9.79E-09	2.92E-09	4.08E-08
495161.06, 3859601.99	0.01594	5.813E-05	2.01E-08	6.08E-08	4.80E-08	4.15E-08	1.87E-08	6.72E-10	1.62E-08	1.14E-08	9.87E-09	2.95E-09	4.11E-08
495211.06, 3859601.99	0.016	5.835E-05	2.02E-08	6.10E-08	4.82E-08	4.17E-08	1.87E-08	6.74E-10	1.63E-08	1.14E-08	9.90E-09	2.96E-09	4.13E-08
495261.06, 3859601.99	0.01609	5.867E-05	2.03E-08	6.13E-08	4.84E-08	4.19E-08	1.88E-08	6.78E-10	1.64E-08	1.15E-08	9.96E-09	2.97E-09	4.15E-08
495311.06, 3859601.99	0.01618	5.9E-05	2.04E-08	6.17E-08	4.87E-08	4.22E-08	1.90E-08	6.82E-10	1.65E-08	1.16E-08	1.00E-08	2.99E-09	4.17E-08
495361.06, 3859601.99	0.01622	5.915E-05	2.05E-08	6.18E-08	4.88E-08	4.23E-08	1.90E-08	6.84E-10	1.65E-08	1.16E-08	1.00E-08	3.00E-09	4.18E-08
495411.06, 3859601.99	0.0163	5.944E-05	2.06E-08	6.21E-08	4.91E-08	4.25E-08	1.91E-08	6.87E-10	1.66E-08	1.17E-08	1.01E-08	3.01E-09	4.20E-08
495461.06, 3859601.99	0.01619	5.904E-05	2.04E-08	6.17E-08	4.87E-08	4.22E-08	1.90E-08	6.82E-10	1.65E-08	1.16E-08	1.00E-08	2.99E-09	4.18E-08
495511.06, 3859601.99	0.0161	5.871E-05	2.03E-08	6.14E-08	4.85E-08	4.19E-08	1.89E-08	6.79E-10	1.64E-08	1.15E-08	9.97E-09	2.97E-09	4.15E-08
495561.06, 3859601.99	0.01621	5.911E-05	2.05E-08	6.18E-08	4.88E-08	4.22E-08	1.90E-08	6.83E-10	1.65E-08	1.16E-08	1.00E-08	3.00E-09	4.18E-08
495611.06, 3859601.99	0.01609	5.867E-05	2.03E-08	6.13E-08	4.84E-08	4.19E-08	1.88E-08	6.78E-10	1.64E-08	1.15E-08	9.96E-09	2.97E-09	4.15E-08
495661.06, 3859601.99	0.01616	5.893E-05	2.04E-08	6.16E-08	4.87E-08	4.21E-08	1.89E-08	6.81E-10	1.65E-08	1.16E-08	1.00E-08	2.99E-09	4.17E-08
494311.06, 3859651.99	0.01673	6.101E-05	2.11E-08	6.38E-08	5.04E-08	4.36E-08	1.96E-08	7.05E-10	1.70E-08	1.20E-08	1.04E-08	3.09E-09	4.32E-08
494361.06, 3859651.99	0.01632	5.951E-05	2.06E-08	6.22E-08	4.91E-08	4.25E-08	1.91E-08	6.88E-10	1.66E-08	1.17E-08	1.01E-08	3.02E-09	4.21E-08
494411.06, 3859651.99	0.0164	5.981E-05	2.07E-08	6.25E-08	4.94E-08	4.27E-08	1.92E-08	6.91E-10	1.67E-08	1.17E-08	1.02E-08	3.03E-09	4.23E-08
494461.06, 3859651.99	0.01676	6.112E-05	2.12E-08	6.39E-08	5.05E-08	4.37E-08	1.96E-08	7.06E-10	1.71E-08	1.20E-08	1.04E-08	3.10E-09	4.32E-08
494511.06, 3859651.99	0.01677	6.115E-05	2.12E-08	6.39E-08	5.05E-08	4.37E-08	1.96E-08	7.07E-10	1.71E-08	1.20E-08	1.04E-08	3.10E-09	4.33E-08
494561.06, 3859651.99	0.01688	6.156E-05	2.13E-08	6.43E-08	5.08E-08	4.40E-08	1.98E-08	7.12E-10	1.72E-08	1.21E-08	1.04E-08	3.12E-09	4.35E-08
494611.06, 3859651.99	0.01697	6.188E-05	2.14E-08	6.47E-08	5.11E-08	4.42E-08	1.99E-08	7.15E-10	1.73E-08	1.21E-08	1.05E-08	3.14E-09	4.38E-08
494661.06, 3859651.99	0.01628	5.937E-05	2.06E-08	6.21E-08	4.90E-08	4.24E-08	1.91E-08	6.86E-10	1.66E-08	1.16E-08	1.01E-08	3.01E-09	4.20E-08
494711.06, 3859651.99	0.01643	5.991E-05	2.07E-08	6.26E-08	4.95E-08	4.28E-08	1.92E-08	6.93E-10	1.67E-08	1.18E-08	1.02E-08	3.04E-09	4.24E-08
494761.06, 3859651.99	0.01698	6.192E-05	2.14E-08	6.47E-08	5.11E-08	4.42E-08	1.99E-08	7.16E-10	1.73E-08	1.21E-08	1.05E-08	3.14E-09	4.38E-08
494811.06, 3859651.99	0.01691	6.167E-05	2.13E-08	6.45E-08	5.09E-08	4.41E-08	1.98E-08	7.13E-10	1.72E-08	1.21E-08	1.05E-08	3.12E-09	4.36E-08
494861.06, 3859651.99	0.01701	6.203E-05	2.15E-08	6.48E-08	5.12E-08	4.43E-08	1.99E-08	7.17E-10	1.73E-08	1.22E-08	1.05E-08	3.14E-09	4.39E-08
494911.06, 3859651.99	0.017	6.199E-05	2.15E-08	6.48E-08	5.12E-08	4.43E-08	1.99E-08	7.17E-10	1.73E-08	1.22E-08	1.05E-08	3.14E-09	4.39E-08
494961.06, 3859651.99	0.01706	6.221E-05	2.15E-08	6.50E-08	5.14E-08	4.44E-08	2.00E-08	7.19E-10	1.74E-08	1.22E-08	1.06E-08	3.15E-09	4.40E-08
495011.06, 3859651.99	0.01708	6.229E-05	2.16E-08	6.51E-08	5.14E-08	4.45E-08	2.00E-08	7.20E-10	1.74E-08	1.22E-08	1.06E-08	3.16E-09	4.41E-08
495061.06, 3859651.99	0.0172	6.272E-05	2.17E-08	6.56E-08	5.18E-08	4.48E-08	2.01E-08	7.25E-10	1.75E-08	1.23E-08	1.06E-08	3.18E-09	4.44E-08
495111.06, 3859651.99	0.0172	6.272E-05	2.17E-08	6.56E-08	5.18E-08	4.48E-08	2.01E-08	7.25E-10	1.75E-08	1.23E-08	1.06E-08	3.18E-09	4.44E-08
495161.06, 3859651.99	0.01727	6.298E-05	2.18E-08	6.58E-08	5.20E-08	4.50E-08	2.02E-08	7.28E-10	1.76E-08	1.24E-08	1.07E-08	3.19E-09	4.45E-08
495211.06, 3859651.99	0.01738	6.338E-05	2.19E-08	6.62E-08	5.23E-08	4.53E-08	2.04E-08	7.33E-10	1.77E-08	1.24E-08	1.08E-08	3.21E-09	4.48E-08
495261.06, 3859651.99	0.01742	6.352E-05	2.20E-08	6.64E-08	5.24E-08	4.54E-08	2.04E-08	7.34E-10	1.77E-08	1.25E-08	1.08E-08	3.22E-09	4.49E-08
495311.06, 3859651.99	0.01749	6.378E-05	2.21E-08	6.67E-08	5.27E-08	4.56E-08	2.05E-08	7.37E-10	1.78E-08	1.25E-08	1.08E-08	3.23E-09	4.51E-08
495361.06, 3859651.99	0.01757	6.407E-05	2.22E-08	6.70E-08	5.29E-08	4.58E-08	2.06E-08	7.41E-10	1.79E-08	1.26E-08	1.09E-08	3.25E-09	4.53E-08
495411.06, 3859651.99	0.0176	6.418E-05	2.22E-08	6.71E-08	5.30E-08	4.59E-08	2.06E-08	7.42E-10	1.79E-08	1.26E-08	1.09E-08	3.25E-09	4.54E-08
495461.06, 3859651.99	0.01748	6.374E-05	2.21E-08	6.66E-08	5.26E-08	4.55E-08	2.05E-08	7.37E-10	1.78E-08	1.25E-08	1.08E-08	3.23E-09	4.51E-08
495511.06, 3859651.99	0.01741	6.349E-05	2.20E-08	6.64E-08	5.24E-08	4.54E-08	2.04E-08	7.34E-10	1.77E-08	1.25E-08	1.08E-08	3.22E-09	4.49E-08
495561.06, 3859651.99	0.01746	6.367E-05	2.20E-08	6.65E-08	5.26E-08	4.55E-08	2.05E-08	7.36E-10	1.78E-08	1.25E-08	1.08E-08	3.23E-09	4.50E-08
495611.06, 3859651.99	0.01746	6.367E-05	2.20E-08	6.65E-08	5.26E-08	4.55E-08	2.05E-08	7.36E-10	1.78E-08	1.25E-08	1.08E-08	3.23E-09	4.50E-08
495661.06, 3859651.99	0.01745	6.363E-05	2.20E-08	6.65E-08	5.25E-08	4.55E-08	2.04E-08	7.36E-10	1.78E-08	1.25E-08	1.08E-08	3.22E-09	4.50E-08
494311.06, 3859701.99	0.01709	6.232E-05	2.16E-08	6.51E-08	5.15E-08	4.45E-08	2.00E-08	7.20E-10	1.74E-08	1.22E-08	1.06E-08	3.16E-09	4.41E-08
494361.06, 3859701.99	0.01739	6.342E-05	2.20E-08	6.63E-08	5.24E-08	4.53E-08	2.04E-08	7.33E-10	1.77E-08	1.24E-08	1.08E-08	3.21E-09	4.49E-08
494411.06, 3859701.99	0.01761	6.422E-05	2.22E-08	6.71E-08	5.30E-08	4.59E-08	2.06E-08	7.42E-10	1.79E-08	1.26E-08	1.09E-08	3.25E-09	4.54E-08
494461.06, 3859701.99	0.01813	6.611E-05	2.29E-08	6.91E-08	5.46E-08	4.72E-08	2.12E-08	7.64E-10	1.85E-08	1.30E-08	1.12E-08	3.35E-09	4.68E-08
494511.06, 3859701.99	0.01819	6.633E-05	2.30E-08	6.93E-08	5.48E-08	4.74E-08	2.13E-08	7.67E-10	1.85E-08	1.30E-08	1.13E-08	3.36E-09	4.69E-08
494561.06, 3859701.99	0.01833	6.684E-05	2.31E-08	6.99E-08	5.52E-08	4.78E-08	2.15E-08	7.73E-10	1.87E-08	1.31E-08	1.13E-08	3.39E-09	4.73E-08
494611.06, 3859701.99	0.01846	6.732E-05	2.33E-08	7.04E-08	5.56E-08	4.81E-08	2.16E-08	7.78E-10	1.88E-08	1.32E-08	1.14E-08	3.41E-09	4.76E-08
494661.06, 3859701.99	0.01801	6.568E-05	2.27E-08	6.86E-08	5.42E-08	4.69E-08	2.11E-08	7.59E-10	1.83E-08	1.29E-08	1.11E-08	3.33E-09	4.65E-08
494711.06, 3859701.99	0.01829	6.67E-05	2.31E-08	6.97E-08	5.51E-08	4.76E-08	2.14E-08	7.71E-10	1.86E-08	1.31E-08	1.13E-08	3.38E-09	4.72E-08
494761.06, 3859701.99	0.01828	6.666E-05	2.31E-08	6.97E-08	5.50E-08	4.76E-08	2.14E-08	7.71E-10	1.86E-08	1.31E-08	1.13E-08	3.38E-09	4.72E-08
494811.06, 3859701.99	0.01825	6.655E-05	2.30E-08	6.96E-08	5.49E-08	4.75E-08	2.14E-08	7.69E-10	1.86E-08	1.31E-08	1.13E-08	3.37E-09	4.71E-08
494861.06, 3859701.99	0.01851	6.75E-05	2.34E-08	7.06E-08	5.57E-08	4.82E-08	2.17E-08	7.80E-10	1.88E-08	1.32E-08	1.15E-08	3.42E-09	4.77E-08
494911.06, 3859701.99	0.0185	6.746E-05	2.34E-08	7.05E-08	5.57E-08	4.82E-08	2.17E-08	7.80E-10	1.88E-08	1.32E-08	1.15E-08	3.42E-09	4.77E-08
494961.06, 3859701.99	0.01849	6.743E-05	2.33E-08	7.05E-08	5.57E-08	4.82E-08	2.17E-08	7.79E-10	1.88E-08	1.32E-08	1.14E-08	3.42E-09	4.77E-08
495011.06, 3859701.99	0.01862	6.79E-05	2.35E-08	7.10E-08	5.61E-08	4.85E-08	2.18E-08	7.85E-10	1.90E-08	1.33E-08	1.15E-08	3.44E-09	4.80E-08
495061.06, 3859701.99	0.01868	6.812E-05	2.36E-08	7.12E-08	5.62E-08	4.87E-08	2.19E-08	7.87E-10	1.90E-08	1.34E-08	1.16E-08	3.45E-09	4.82E-08
495111.06, 3859701.99	0.01873	6.83E-05	2.36E-08	7.14E-08	5.64E-08	4.88E-08	2.19E-08	7.90E-10	1.91E-08	1.34E-08	1.16E-08	3.46E-09	4.83E-08
495161.06, 3859701.99	0.01875	6.837E-05	2.37E-08	7.15E-08	5.65E-08	4.88E-08	2.20E-08	7.90E-10	1.91E-08	1.34E-08	1.16E-08	3.46E-09	4.84E-08
495211.06, 3859701.99	0.01875	6.837E-05	2.37E-08	7.15E-08	5.65E-08	4.88E-08	2.20E-08	7.90E-10	1.91E-08	1.34E-08	1.16E-08	3.46E-09	4.84E-08
495261.06, 3859701.99	0.01895	6.91E-05	2.39E-08	7.22E-08	5.71E-08	4.94E-08	2.22E-08	7.99E-10	1.93E-08	1.36E-08	1.17E-08	3.50E-09	4.89E-08
495311.06, 3859701.99	0.01895	6.91E-05	2.39E-08	7.22E-08	5.71E-08	4.94E-08	2.22E-08	7.99E-10	1.93E-08	1.36E-08	1.17E-08	3.50E-09	4.89E-08
495361.06, 3859701.99	0.01897	6.918E-05	2.39E-08	7.23E-08	5.71E-08	4.94E-08	2.22E-08	8.00E-10	1.93E-08	1.36E-08	1.17E-08	3.51E-09	4.89E-08
495411.06, 3859701.99	0.0189	6.892E-05	2.39E-08	7.20E-08	5.69E-08	4.92E-08	2.21E-08	7.97E-10	1.92E-08	1.35E-08	1.17E-08	3.49E-09	4.88E-08

495461.06, 3859701.99	0.01889	6.889E-05	2.38E-08	7.20E-08	5.69E-08	4.92E-08	2.21E-08	7.96E-10	1.92E-08	1.35E-08	1.17E-08	3.49E-09	4.87E-08
495511.06, 3859701.99	0.01868	6.812E-05	2.36E-08	7.12E-08	5.62E-08	4.87E-08	2.19E-08	7.87E-10	1.90E-08	1.34E-08	1.16E-08	3.45E-09	4.82E-08
495561.06, 3859701.99	0.01889	6.889E-05	2.38E-08	7.20E-08	5.69E-08	4.92E-08	2.21E-08	7.96E-10	1.92E-08	1.35E-08	1.17E-08	3.49E-09	4.87E-08
495611.06, 3859701.99	0.0189	6.892E-05	2.39E-08	7.20E-08	5.69E-08	4.92E-08	2.21E-08	7.97E-10	1.92E-08	1.35E-08	1.17E-08	3.49E-09	4.88E-08
495661.06, 3859701.99	0.0189	6.892E-05	2.39E-08	7.20E-08	5.69E-08	4.92E-08	2.21E-08	7.97E-10	1.92E-08	1.35E-08	1.17E-08	3.49E-09	4.88E-08
494311.06, 3859751.99	0.01901	6.932E-05	2.40E-08	7.25E-08	5.72E-08	4.95E-08	2.23E-08	8.01E-10	1.94E-08	1.36E-08	1.18E-08	3.51E-09	4.90E-08
494361.06, 3859751.99	0.01908	6.958E-05	2.41E-08	7.27E-08	5.74E-08	4.97E-08	2.24E-08	8.04E-10	1.94E-08	1.36E-08	1.18E-08	3.53E-09	4.92E-08
494411.06, 3859751.99	0.01909	6.961E-05	2.41E-08	7.28E-08	5.75E-08	4.97E-08	2.24E-08	8.05E-10	1.94E-08	1.37E-08	1.18E-08	3.53E-09	4.92E-08
494461.06, 3859751.99	0.01958	7.14E-05	2.47E-08	7.46E-08	5.90E-08	5.10E-08	2.29E-08	8.25E-10	1.99E-08	1.40E-08	1.21E-08	3.62E-09	5.05E-08
494511.06, 3859751.99	0.0199	7.257E-05	2.51E-08	7.58E-08	5.99E-08	5.18E-08	2.33E-08	8.39E-10	2.03E-08	1.42E-08	1.23E-08	3.68E-09	5.13E-08
494561.06, 3859751.99	0.01995	7.275E-05	2.52E-08	7.60E-08	6.01E-08	5.20E-08	2.34E-08	8.41E-10	2.03E-08	1.43E-08	1.23E-08	3.69E-09	5.15E-08
494611.06, 3859751.99	0.0199	7.257E-05	2.51E-08	7.58E-08	5.99E-08	5.18E-08	2.33E-08	8.39E-10	2.03E-08	1.42E-08	1.23E-08	3.68E-09	5.13E-08
494661.06, 3859751.99	0.01909	6.961E-05	2.41E-08	7.28E-08	5.75E-08	4.97E-08	2.24E-08	8.05E-10	1.94E-08	1.37E-08	1.18E-08	3.53E-09	4.92E-08
494711.06, 3859751.99	0.01994	7.271E-05	2.52E-08	7.60E-08	6.00E-08	5.19E-08	2.34E-08	8.41E-10	2.03E-08	1.43E-08	1.23E-08	3.68E-09	5.14E-08
494761.06, 3859751.99	0.02012	7.337E-05	2.54E-08	7.67E-08	6.06E-08	5.24E-08	2.36E-08	8.48E-10	2.05E-08	1.44E-08	1.25E-08	3.72E-09	5.19E-08
494811.06, 3859751.99	0.02011	7.333E-05	2.54E-08	7.66E-08	6.05E-08	5.24E-08	2.36E-08	8.48E-10	2.05E-08	1.44E-08	1.24E-08	3.72E-09	5.19E-08
494861.06, 3859751.99	0.0202	7.366E-05	2.55E-08	7.70E-08	6.08E-08	5.26E-08	2.37E-08	8.51E-10	2.06E-08	1.45E-08	1.25E-08	3.73E-09	5.21E-08
494911.06, 3859751.99	0.02026	7.388E-05	2.56E-08	7.72E-08	6.10E-08	5.28E-08	2.37E-08	8.54E-10	2.06E-08	1.45E-08	1.25E-08	3.74E-09	5.23E-08
494961.06, 3859751.99	0.02032	7.41E-05	2.57E-08	7.74E-08	6.12E-08	5.29E-08	2.38E-08	8.57E-10	2.07E-08	1.45E-08	1.26E-08	3.75E-09	5.24E-08
495011.06, 3859751.99	0.02035	7.421E-05	2.57E-08	7.76E-08	6.13E-08	5.30E-08	2.38E-08	8.58E-10	2.07E-08	1.46E-08	1.26E-08	3.76E-09	5.25E-08
495061.06, 3859751.99	0.0205	7.476E-05	2.59E-08	7.81E-08	6.17E-08	5.34E-08	2.40E-08	8.64E-10	2.09E-08	1.47E-08	1.27E-08	3.79E-09	5.29E-08
495111.06, 3859751.99	0.02054	7.49E-05	2.59E-08	7.83E-08	6.18E-08	5.35E-08	2.41E-08	8.66E-10	2.09E-08	1.47E-08	1.27E-08	3.80E-09	5.30E-08
495161.06, 3859751.99	0.02054	7.49E-05	2.59E-08	7.83E-08	6.18E-08	5.35E-08	2.41E-08	8.66E-10	2.09E-08	1.47E-08	1.27E-08	3.80E-09	5.30E-08
495211.06, 3859751.99	0.02052	7.483E-05	2.59E-08	7.82E-08	6.18E-08	5.35E-08	2.40E-08	8.65E-10	2.09E-08	1.47E-08	1.27E-08	3.79E-09	5.29E-08
495261.06, 3859751.99	0.02062	7.519E-05	2.60E-08	7.86E-08	6.21E-08	5.37E-08	2.42E-08	8.69E-10	2.10E-08	1.48E-08	1.28E-08	3.81E-09	5.32E-08
495311.06, 3859751.99	0.02063	7.523E-05	2.60E-08	7.86E-08	6.21E-08	5.37E-08	2.42E-08	8.70E-10	2.10E-08	1.48E-08	1.28E-08	3.81E-09	5.32E-08
495361.06, 3859751.99	0.02065	7.53E-05	2.61E-08	7.87E-08	6.22E-08	5.38E-08	2.42E-08	8.70E-10	2.10E-08	1.48E-08	1.28E-08	3.82E-09	5.33E-08
495411.06, 3859751.99	0.02067	7.538E-05	2.61E-08	7.88E-08	6.22E-08	5.38E-08	2.42E-08	8.71E-10	2.10E-08	1.48E-08	1.28E-08	3.82E-09	5.33E-08
495461.06, 3859751.99	0.02055	7.494E-05	2.59E-08	7.83E-08	6.19E-08	5.35E-08	2.41E-08	8.66E-10	2.09E-08	1.47E-08	1.27E-08	3.80E-09	5.30E-08
495511.06, 3859751.99	0.02043	7.45E-05	2.58E-08	7.79E-08	6.15E-08	5.32E-08	2.39E-08	8.61E-10	2.08E-08	1.46E-08	1.26E-08	3.77E-09	5.27E-08
495561.06, 3859751.99	0.02044	7.454E-05	2.58E-08	7.79E-08	6.15E-08	5.32E-08	2.39E-08	8.62E-10	2.08E-08	1.46E-08	1.27E-08	3.78E-09	5.27E-08
495611.06, 3859751.99	0.02046	7.461E-05	2.58E-08	7.80E-08	6.16E-08	5.33E-08	2.40E-08	8.62E-10	2.08E-08	1.46E-08	1.27E-08	3.78E-09	5.28E-08
495661.06, 3859751.99	0.02054	7.49E-05	2.59E-08	7.83E-08	6.18E-08	5.35E-08	2.41E-08	8.66E-10	2.09E-08	1.47E-08	1.27E-08	3.80E-09	5.30E-08
494311.06, 3859801.99	0.02091	7.625E-05	2.64E-08	7.97E-08	6.30E-08	5.45E-08	2.45E-08	8.81E-10	2.13E-08	1.50E-08	1.29E-08	3.86E-09	5.39E-08
494361.06, 3859801.99	0.0208	7.585E-05	2.63E-08	7.93E-08	6.26E-08	5.42E-08	2.44E-08	8.77E-10	2.12E-08	1.49E-08	1.29E-08	3.84E-09	5.37E-08
494411.06, 3859801.99	0.02068	7.541E-05	2.61E-08	7.88E-08	6.23E-08	5.39E-08	2.42E-08	8.72E-10	2.11E-08	1.48E-08	1.28E-08	3.82E-09	5.33E-08
494461.06, 3859801.99	0.02117	7.72E-05	2.67E-08	8.07E-08	6.37E-08	5.52E-08	2.48E-08	8.92E-10	2.16E-08	1.51E-08	1.31E-08	3.91E-09	5.46E-08
494511.06, 3859801.99	0.02172	7.921E-05	2.74E-08	8.28E-08	6.54E-08	5.66E-08	2.54E-08	9.16E-10	2.21E-08	1.55E-08	1.34E-08	4.01E-09	5.60E-08
494561.06, 3859801.99	0.0218	7.95E-05	2.75E-08	8.31E-08	6.56E-08	5.68E-08	2.55E-08	9.19E-10	2.22E-08	1.56E-08	1.35E-08	4.03E-09	5.62E-08
494611.06, 3859801.99	0.02148	7.833E-05	2.71E-08	8.19E-08	6.47E-08	5.60E-08	2.52E-08	9.05E-10	2.19E-08	1.54E-08	1.33E-08	3.97E-09	5.54E-08
494661.06, 3859801.99	0.02153	7.851E-05	2.72E-08	8.21E-08	6.48E-08	5.61E-08	2.52E-08	9.08E-10	2.19E-08	1.54E-08	1.33E-08	3.98E-09	5.55E-08
494711.06, 3859801.99	0.02149	7.837E-05	2.71E-08	8.19E-08	6.47E-08	5.60E-08	2.52E-08	9.06E-10	2.19E-08	1.54E-08	1.33E-08	3.97E-09	5.54E-08
494761.06, 3859801.99	0.022	8.023E-05	2.78E-08	8.39E-08	6.62E-08	5.73E-08	2.58E-08	9.27E-10	2.24E-08	1.57E-08	1.36E-08	4.06E-09	5.67E-08
494811.06, 3859801.99	0.02203	8.034E-05	2.78E-08	8.40E-08	6.63E-08	5.74E-08	2.58E-08	9.29E-10	2.24E-08	1.58E-08	1.36E-08	4.07E-09	5.68E-08
494861.06, 3859801.99	0.02218	8.088E-05	2.80E-08	8.45E-08	6.68E-08	5.78E-08	2.60E-08	9.35E-10	2.26E-08	1.59E-08	1.37E-08	4.10E-09	5.72E-08
494911.06, 3859801.99	0.02211	8.063E-05	2.79E-08	8.43E-08	6.66E-08	5.76E-08	2.59E-08	9.32E-10	2.25E-08	1.58E-08	1.37E-08	4.09E-09	5.70E-08
494961.06, 3859801.99	0.02217	8.085E-05	2.80E-08	8.45E-08	6.67E-08	5.78E-08	2.60E-08	9.35E-10	2.26E-08	1.59E-08	1.37E-08	4.10E-09	5.72E-08
495011.06, 3859801.99	0.02221	8.099E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.36E-10	2.26E-08	1.59E-08	1.37E-08	4.10E-09	5.73E-08
495061.06, 3859801.99	0.02234	8.147E-05	2.82E-08	8.51E-08	6.73E-08	5.82E-08	2.62E-08	9.42E-10	2.27E-08	1.60E-08	1.38E-08	4.13E-09	5.76E-08
495111.06, 3859801.99	0.02232	8.139E-05	2.82E-08	8.51E-08	6.72E-08	5.81E-08	2.61E-08	9.41E-10	2.27E-08	1.60E-08	1.38E-08	4.12E-09	5.76E-08
495161.06, 3859801.99	0.02232	8.139E-05	2.82E-08	8.51E-08	6.72E-08	5.81E-08	2.61E-08	9.41E-10	2.27E-08	1.60E-08	1.38E-08	4.12E-09	5.76E-08
495211.06, 3859801.99	0.02243	8.179E-05	2.83E-08	8.55E-08	6.75E-08	5.84E-08	2.63E-08	9.45E-10	2.28E-08	1.60E-08	1.39E-08	4.14E-09	5.79E-08
495261.06, 3859801.99	0.02241	8.172E-05	2.83E-08	8.54E-08	6.75E-08	5.84E-08	2.63E-08	9.45E-10	2.28E-08	1.60E-08	1.39E-08	4.14E-09	5.78E-08
495311.06, 3859801.99	0.02252	8.212E-05	2.84E-08	8.58E-08	6.78E-08	5.87E-08	2.64E-08	9.49E-10	2.29E-08	1.61E-08	1.39E-08	4.16E-09	5.81E-08
495361.06, 3859801.99	0.02251	8.209E-05	2.84E-08	8.58E-08	6.78E-08	5.86E-08	2.64E-08	9.49E-10	2.29E-08	1.61E-08	1.39E-08	4.16E-09	5.81E-08
495411.06, 3859801.99	0.02241	8.172E-05	2.83E-08	8.54E-08	6.75E-08	5.84E-08	2.63E-08	9.45E-10	2.28E-08	1.60E-08	1.39E-08	4.14E-09	5.78E-08
495461.06, 3859801.99	0.0224	8.169E-05	2.83E-08	8.54E-08	6.74E-08	5.84E-08	2.62E-08	9.44E-10	2.28E-08	1.60E-08	1.39E-08	4.14E-09	5.78E-08
495511.06, 3859801.99	0.02223	8.107E-05	2.81E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
495561.06, 3859801.99	0.02228	8.125E-05	2.81E-08	8.49E-08	6.71E-08	5.80E-08	2.61E-08	9.39E-10	2.27E-08	1.59E-08	1.38E-08	4.12E-09	5.75E-08
495611.06, 3859801.99	0.02246	8.19E-05	2.84E-08	8.56E-08	6.76E-08	5.85E-08	2.63E-08	9.47E-10	2.29E-08	1.61E-08	1.39E-08	4.15E-09	5.79E-08
495661.06, 3859801.99	0.02235	8.15E-05	2.82E-08	8.52E-08	6.73E-08	5.82E-08	2.62E-08	9.42E-10	2.28E-08	1.60E-08	1.38E-08	4.13E-09	5.77E-08
494311.06, 3859851.99	0.02285	8.333E-05	2.88E-08	8.71E-08	6.88E-08	5.95E-08	2.68E-08	9.63E-10	2.33E-08	1.63E-08	1.41E-08	4.22E-09	5.89E-08
494361.06, 3859851.99	0.02284	8.329E-05	2.88E-08	8.71E-08	6.88E-08	5.95E-08	2.68E-08	9.63E-10	2.33E-08	1.63E-08	1.41E-08	4.22E-09	5.89E-08
494411.06, 3859851.99	0.02276	8.3E-05	2.87E-08	8.68E-08	6.85E-08	5.93E-08	2.67E-08	9.59E-10	2.32E-08	1.63E-08	1.41E-08	4.21E-09	5.87E-08
494461.06, 3859851.99	0.02286	8.336E-05	2.89E-08	8.71E-08	6.88E-08	5.96E-08	2.68E-08	9.64E-10	2.33E-08	1.64E-08	1.41E-08	4.22E-09	5.90E-08
494511.06, 3859851.99	0.02328	8.489E-05	2.94E-08	8.87E-08	7.01E-08	6.06E-08	2.73E-08	9.81E-10	2.37E-08	1.67E-08	1.44E-08	4.30E-09	6.01E-08
494561.06, 3859851.99	0.02379	8.675E-05	3.00E-08	9.07E-08	7.16E-08	6.20E-08	2.79E-08	1.00E-09	2.42E-08	1.70E-08	1.47E-08	4.40E-09	6.14E-08
494611.06, 3859851.99	0.02334	8.511E-05	2.95E-08	8.90E-08	7.03E-08	6.08E-08	2.73E-08	9.84E-10	2.38E-08	1.67E-08	1.44E-08	4.31E-09	6.02E-08
494661.06, 3859851.99	0.0237	8.643E-05	2.99E-08	9.03E-08	7.14E-08	6.17E-08	2.78E-08	9.99E-10	2.41E-08	1.70E-08	1.47E-08	4.38E-09	6.11E-08
494711.06, 3859851.99	0.02354	8.584E-05	2.97E-08	8.97E-08	7.09E-08	6.13E-08	2.76E-08	9.92E-10	2.40E-08	1.68E-08	1.46E-08	4.35E-09	6.07E-08
494761.06, 3859851.99	0.02406	8.774E-05	3.04E-08	9.17E-08	7.24E-08	6.27E-08	2.82E-08	1.01E-09	2.45E-08	1.72E-08	1.49E-08	4.45E-09	6.21E-08
494811.06, 3859851.99	0.02413	8.799E-05	3.05E-08	9.20E-08	7.26E-08	6.29E-08	2.83E-08	1.02E-09	2.46E-08	1.73E-08	1.49E-08	4.46E-09	6.22E-08
494861.06, 3859851.99	0.02435	8.88E-05	3.07E-08	9.28E-08	7.33E-08	6.34E-08	2.85E-08	1.03E-09	2.48E-08	1.74E-08	1.51E-08	4.50E-09	6.28E-08
494911.06, 3859851.99	0.02429	8.858E-05	3.07E-08	9.26E-08	7.31E-08	6.33E-08	2.85E-08	1.02E-09	2.47E-08	1.74E-08	1.50E-08	4.49E-09	6.27E-08
494961.06, 3859851.99	0.02435	8.88E-05	3.07E-08	9.28E-08	7.33E-08	6.34E-08	2.85E-08	1.03E-09	2.48E-08	1.74E-08	1.51E-08	4.50E-09	6.28E-08
495011.06, 3859851.99	0.02442	8.905E-05	3.08E-08	9.31E-08	7.35E-08	6.36E-08	2.86E-08	1.03E-09	2.49E-08	1.75E-08	1.51E-08	4.51E-09	6.30E-08
495061.06, 3859851.99	0.02457	8.96E-05	3.10E-08	9.36E-08	7.40E-08	6.40E-08	2.88E-08	1.04E-09	2.50E-08	1.76E-08	1.52E-08	4.54E-09	6.34E-08
495111.06, 3859851.99	0.0245	8.934E-05	3.09E-08	9.34E-08	7.38E-08	6.38E-08	2.87E-08	1.03E-09	2.49E-08	1.75E-08	1.52E-08	4.53E-09	6.32E-08
495161.06, 3859851.99	0.02452	8.942E-05	3.10E-08	9.35E-08	7.38E-08	6.39E-08	2.87E-08	1.03E-09	2.50E-08	1.75E-08	1.52E-08	4.53E-09	6.32E-08
495211.06, 3859851.99	0.02457	8.96E-05	3.10E-08	9.36E-08	7.40E-08	6.40E-08	2.88E-08	1.04E-09	2.50E-08	1.76E-08	1.52E-08	4.54E-09	6.34E-08

495261.06, 3859851.99	0.02458	8.964E-05	3.10E-08	9.37E-08	7.40E-08	6.40E-08	2.88E-08	1.04E-09	2.50E-08	1.76E-08	1.52E-08	4.54E-09	6.34E-08
495311.06, 3859851.99	0.02467	8.996E-05	3.11E-08	9.40E-08	7.43E-08	6.43E-08	2.89E-08	1.04E-09	2.51E-08	1.76E-08	1.53E-08	4.56E-09	6.36E-08
495361.06, 3859851.99	0.02468	9E-05	3.12E-08	9.41E-08	7.43E-08	6.43E-08	2.89E-08	1.04E-09	2.51E-08	1.77E-08	1.53E-08	4.56E-09	6.37E-08
495411.06, 3859851.99	0.02458	8.964E-05	3.10E-08	9.37E-08	7.40E-08	6.40E-08	2.88E-08	1.04E-09	2.50E-08	1.76E-08	1.52E-08	4.54E-09	6.34E-08
495461.06, 3859851.99	0.02449	8.931E-05	3.09E-08	9.33E-08	7.37E-08	6.38E-08	2.87E-08	1.03E-09	2.49E-08	1.75E-08	1.52E-08	4.53E-09	6.32E-08
495511.06, 3859851.99	0.02434	8.876E-05	3.07E-08	9.28E-08	7.33E-08	6.34E-08	2.85E-08	1.03E-09	2.48E-08	1.74E-08	1.51E-08	4.50E-09	6.28E-08
495561.06, 3859851.99	0.02445	8.916E-05	3.09E-08	9.32E-08	7.36E-08	6.37E-08	2.86E-08	1.03E-09	2.49E-08	1.75E-08	1.51E-08	4.52E-09	6.31E-08
495611.06, 3859851.99	0.02452	8.942E-05	3.10E-08	9.35E-08	7.38E-08	6.39E-08	2.87E-08	1.03E-09	2.50E-08	1.75E-08	1.52E-08	4.53E-09	6.32E-08
495661.06, 3859851.99	0.02439	8.894E-05	3.08E-08	9.30E-08	7.34E-08	6.35E-08	2.86E-08	1.03E-09	2.48E-08	1.74E-08	1.51E-08	4.51E-09	6.29E-08
494311.06, 3859901.99	0.02502	9.124E-05	3.16E-08	9.54E-08	7.53E-08	6.52E-08	2.93E-08	1.05E-09	2.55E-08	1.79E-08	1.55E-08	4.62E-09	6.45E-08
494361.06, 3859901.99	0.02465	8.989E-05	3.11E-08	9.40E-08	7.42E-08	6.42E-08	2.89E-08	1.04E-09	2.51E-08	1.76E-08	1.53E-08	4.55E-09	6.36E-08
494411.06, 3859901.99	0.02502	9.124E-05	3.16E-08	9.54E-08	7.53E-08	6.52E-08	2.93E-08	1.05E-09	2.55E-08	1.79E-08	1.55E-08	4.62E-09	6.45E-08
494461.06, 3859901.99	0.02513	9.164E-05	3.17E-08	9.58E-08	7.57E-08	6.55E-08	2.94E-08	1.06E-09	2.56E-08	1.80E-08	1.56E-08	4.64E-09	6.48E-08
494511.06, 3859901.99	0.02542	9.27E-05	3.21E-08	9.69E-08	7.65E-08	6.62E-08	2.98E-08	1.07E-09	2.59E-08	1.82E-08	1.57E-08	4.70E-09	6.56E-08
494561.06, 3859901.99	0.02618	9.547E-05	3.30E-08	9.98E-08	7.88E-08	6.82E-08	3.07E-08	1.10E-09	2.67E-08	1.87E-08	1.62E-08	4.84E-09	6.75E-08
494611.06, 3859901.99	0.02556	9.321E-05	3.23E-08	9.74E-08	7.70E-08	6.66E-08	2.99E-08	1.08E-09	2.60E-08	1.83E-08	1.58E-08	4.72E-09	6.59E-08
494661.06, 3859901.99	0.02622	9.562E-05	3.31E-08	9.99E-08	7.89E-08	6.83E-08	3.07E-08	1.11E-09	2.67E-08	1.88E-08	1.62E-08	4.84E-09	6.76E-08
494711.06, 3859901.99	0.02569	9.368E-05	3.24E-08	9.79E-08	7.73E-08	6.69E-08	3.01E-08	1.08E-09	2.62E-08	1.84E-08	1.59E-08	4.75E-09	6.63E-08
494761.06, 3859901.99	0.02615	9.536E-05	3.30E-08	9.97E-08	7.87E-08	6.81E-08	3.06E-08	1.10E-09	2.66E-08	1.87E-08	1.62E-08	4.83E-09	6.75E-08
494811.06, 3859901.99	0.02661	9.704E-05	3.36E-08	1.01E-07	8.01E-08	6.93E-08	3.12E-08	1.12E-09	2.71E-08	1.90E-08	1.65E-08	4.92E-09	6.86E-08
494861.06, 3859901.99	0.02684	9.788E-05	3.39E-08	1.02E-07	8.08E-08	6.99E-08	3.14E-08	1.13E-09	2.73E-08	1.92E-08	1.66E-08	4.96E-09	6.92E-08
494911.06, 3859901.99	0.02673	9.748E-05	3.37E-08	1.02E-07	8.05E-08	6.96E-08	3.13E-08	1.13E-09	2.72E-08	1.91E-08	1.65E-08	4.94E-09	6.89E-08
494961.06, 3859901.99	0.02689	9.806E-05	3.39E-08	1.02E-07	8.10E-08	7.01E-08	3.15E-08	1.13E-09	2.74E-08	1.92E-08	1.66E-08	4.97E-09	6.94E-08
495011.06, 3859901.99	0.02687	9.799E-05	3.39E-08	1.02E-07	8.09E-08	7.00E-08	3.15E-08	1.13E-09	2.74E-08	1.92E-08	1.66E-08	4.96E-09	6.93E-08
495061.06, 3859901.99	0.02693	9.82E-05	3.40E-08	1.03E-07	8.11E-08	7.02E-08	3.15E-08	1.14E-09	2.74E-08	1.93E-08	1.67E-08	4.98E-09	6.95E-08
495111.06, 3859901.99	0.02682	9.78E-05	3.39E-08	1.02E-07	8.07E-08	6.99E-08	3.14E-08	1.13E-09	2.73E-08	1.92E-08	1.66E-08	4.96E-09	6.92E-08
495161.06, 3859901.99	0.02677	9.762E-05	3.38E-08	1.02E-07	8.06E-08	6.97E-08	3.14E-08	1.13E-09	2.73E-08	1.92E-08	1.66E-08	4.95E-09	6.91E-08
495211.06, 3859901.99	0.02698	9.839E-05	3.41E-08	1.03E-07	8.12E-08	7.03E-08	3.16E-08	1.14E-09	2.75E-08	1.93E-08	1.67E-08	4.99E-09	6.96E-08
495261.06, 3859901.99	0.02679	9.769E-05	3.38E-08	1.02E-07	8.07E-08	6.98E-08	3.14E-08	1.13E-09	2.73E-08	1.92E-08	1.66E-08	4.95E-09	6.91E-08
495311.06, 3859901.99	0.02696	9.831E-05	3.40E-08	1.03E-07	8.12E-08	7.02E-08	3.16E-08	1.14E-09	2.75E-08	1.93E-08	1.67E-08	4.98E-09	6.95E-08
495361.06, 3859901.99	0.02691	9.813E-05	3.40E-08	1.03E-07	8.10E-08	7.01E-08	3.15E-08	1.13E-09	2.74E-08	1.93E-08	1.67E-08	4.97E-09	6.94E-08
495411.06, 3859901.99	0.02677	9.762E-05	3.38E-08	1.02E-07	8.06E-08	6.97E-08	3.14E-08	1.13E-09	2.73E-08	1.92E-08	1.66E-08	4.95E-09	6.91E-08
495461.06, 3859901.99	0.0267	9.737E-05	3.37E-08	1.02E-07	8.04E-08	6.96E-08	3.13E-08	1.13E-09	2.72E-08	1.91E-08	1.65E-08	4.93E-09	6.89E-08
495511.06, 3859901.99	0.02679	9.769E-05	3.38E-08	1.02E-07	8.07E-08	6.98E-08	3.14E-08	1.13E-09	2.73E-08	1.92E-08	1.66E-08	4.95E-09	6.91E-08
495561.06, 3859901.99	0.02687	9.799E-05	3.39E-08	1.02E-07	8.09E-08	7.00E-08	3.15E-08	1.13E-09	2.74E-08	1.92E-08	1.66E-08	4.96E-09	6.93E-08
495611.06, 3859901.99	0.02675	9.755E-05	3.38E-08	1.02E-07	8.05E-08	6.97E-08	3.13E-08	1.13E-09	2.72E-08	1.91E-08	1.66E-08	4.94E-09	6.90E-08
495661.06, 3859901.99	0.0266	9.7E-05	3.36E-08	1.01E-07	8.01E-08	6.93E-08	3.12E-08	1.12E-09	2.71E-08	1.90E-08	1.65E-08	4.91E-09	6.86E-08
494311.06, 3859951.99	0.02768	0.0001009	3.49E-08	1.06E-07	8.33E-08	7.21E-08	3.24E-08	1.17E-09	2.82E-08	1.98E-08	1.71E-08	5.11E-09	7.14E-08
494361.06, 3859951.99	0.02755	0.0001005	3.48E-08	1.05E-07	8.29E-08	7.18E-08	3.23E-08	1.16E-09	2.81E-08	1.97E-08	1.71E-08	5.09E-09	7.11E-08
494411.06, 3859951.99	0.02755	0.0001005	3.48E-08	1.05E-07	8.29E-08	7.18E-08	3.23E-08	1.16E-09	2.81E-08	1.97E-08	1.71E-08	5.09E-09	7.11E-08
494461.06, 3859951.99	0.02767	0.0001009	3.49E-08	1.05E-07	8.33E-08	7.21E-08	3.24E-08	1.17E-09	2.82E-08	1.98E-08	1.71E-08	5.11E-09	7.14E-08
494511.06, 3859951.99	0.02801	0.0001021	3.54E-08	1.07E-07	8.43E-08	7.30E-08	3.28E-08	1.18E-09	2.85E-08	2.00E-08	1.73E-08	5.18E-09	7.23E-08
494561.06, 3859951.99	0.02907	0.000106	3.67E-08	1.11E-07	8.75E-08	7.57E-08	3.41E-08	1.23E-09	2.96E-08	2.08E-08	1.80E-08	5.37E-09	7.50E-08
494611.06, 3859951.99	0.02845	0.0001037	3.59E-08	1.08E-07	8.57E-08	7.41E-08	3.33E-08	1.20E-09	2.90E-08	2.04E-08	1.76E-08	5.26E-09	7.34E-08
494661.06, 3859951.99	0.02916	0.0001063	3.68E-08	1.11E-07	8.78E-08	7.60E-08	3.42E-08	1.23E-09	2.97E-08	2.09E-08	1.80E-08	5.39E-09	7.52E-08
494711.06, 3859951.99	0.02869	0.0001046	3.62E-08	1.09E-07	8.64E-08	7.47E-08	3.36E-08	1.21E-09	2.92E-08	2.05E-08	1.78E-08	5.30E-09	7.40E-08
494761.06, 3859951.99	0.02904	0.0001059	3.67E-08	1.11E-07	8.74E-08	7.57E-08	3.40E-08	1.22E-09	2.96E-08	2.08E-08	1.80E-08	5.37E-09	7.49E-08
494811.06, 3859951.99	0.02926	0.0001067	3.69E-08	1.12E-07	8.81E-08	7.62E-08	3.43E-08	1.23E-09	2.98E-08	2.09E-08	1.81E-08	5.41E-09	7.55E-08
494861.06, 3859951.99	0.0297	0.0001083	3.75E-08	1.13E-07	8.94E-08	7.74E-08	3.48E-08	1.25E-09	3.02E-08	2.12E-08	1.84E-08	5.49E-09	7.66E-08
494911.06, 3859951.99	0.02953	0.0001077	3.73E-08	1.13E-07	8.89E-08	7.69E-08	3.46E-08	1.24E-09	3.01E-08	2.11E-08	1.83E-08	5.46E-09	7.62E-08
494961.06, 3859951.99	0.02944	0.0001074	3.72E-08	1.12E-07	8.86E-08	7.67E-08	3.45E-08	1.24E-09	3.00E-08	2.11E-08	1.82E-08	5.44E-09	7.59E-08
495011.06, 3859951.99	0.02944	0.0001074	3.72E-08	1.12E-07	8.86E-08	7.67E-08	3.45E-08	1.24E-09	3.00E-08	2.11E-08	1.82E-08	5.44E-09	7.59E-08
495061.06, 3859951.99	0.02957	0.0001078	3.73E-08	1.13E-07	8.90E-08	7.70E-08	3.46E-08	1.25E-09	3.01E-08	2.12E-08	1.83E-08	5.46E-09	7.63E-08
495111.06, 3859951.99	0.02944	0.0001074	3.72E-08	1.12E-07	8.86E-08	7.67E-08	3.45E-08	1.24E-09	3.00E-08	2.11E-08	1.82E-08	5.44E-09	7.59E-08
495161.06, 3859951.99	0.02935	0.000107	3.70E-08	1.12E-07	8.84E-08	7.65E-08	3.44E-08	1.24E-09	2.99E-08	2.10E-08	1.82E-08	5.42E-09	7.57E-08
495211.06, 3859951.99	0.02927	0.0001067	3.69E-08	1.12E-07	8.81E-08	7.63E-08	3.43E-08	1.23E-09	2.98E-08	2.09E-08	1.81E-08	5.41E-09	7.55E-08
495261.06, 3859951.99	0.0293	0.0001068	3.70E-08	1.12E-07	8.82E-08	7.63E-08	3.43E-08	1.24E-09	2.98E-08	2.10E-08	1.81E-08	5.41E-09	7.56E-08
495311.06, 3859951.99	0.02954	0.0001077	3.73E-08	1.13E-07	8.89E-08	7.70E-08	3.46E-08	1.25E-09	3.01E-08	2.11E-08	1.83E-08	5.46E-09	7.62E-08
495361.06, 3859951.99	0.0296	0.0001079	3.74E-08	1.13E-07	8.91E-08	7.71E-08	3.47E-08	1.25E-09	3.01E-08	2.12E-08	1.83E-08	5.47E-09	7.64E-08
495411.06, 3859951.99	0.02945	0.0001074	3.72E-08	1.12E-07	8.87E-08	7.67E-08	3.45E-08	1.24E-09	3.00E-08	2.11E-08	1.82E-08	5.44E-09	7.60E-08
495461.06, 3859951.99	0.02938	0.0001071	3.71E-08	1.12E-07	8.85E-08	7.65E-08	3.44E-08	1.24E-09	2.99E-08	2.10E-08	1.82E-08	5.43E-09	7.58E-08
495511.06, 3859951.99	0.02929	0.0001068	3.70E-08	1.12E-07	8.82E-08	7.63E-08	3.43E-08	1.23E-09	2.98E-08	2.10E-08	1.81E-08	5.41E-09	7.56E-08
495561.06, 3859951.99	0.02955	0.0001078	3.73E-08	1.13E-07	8.90E-08	7.70E-08	3.46E-08	1.25E-09	3.01E-08	2.11E-08	1.83E-08	5.46E-09	7.62E-08
495611.06, 3859951.99	0.0294	0.0001072	3.71E-08	1.12E-07	8.85E-08	7.66E-08	3.44E-08	1.24E-09	2.99E-08	2.10E-08	1.82E-08	5.43E-09	7.58E-08
495661.06, 3859951.99	0.02915	0.0001063	3.68E-08	1.11E-07	8.78E-08	7.59E-08	3.41E-08	1.23E-09	2.97E-08	2.09E-08	1.80E-08	5.39E-09	7.52E-08
494311.06, 3860001.99	0.03069	0.0001119	3.87E-08	1.17E-07	9.24E-08	8.00E-08	3.60E-08	1.29E-09	3.12E-08	2.20E-08	1.90E-08	5.67E-09	7.92E-08
494361.06, 3860001.99	0.03074	0.0001121	3.88E-08	1.17E-07	9.26E-08	8.01E-08	3.60E-08	1.30E-09	3.13E-08	2.20E-08	1.90E-08	5.68E-09	7.93E-08
494411.06, 3860001.99	0.03039	0.0001108	3.84E-08	1.16E-07	9.15E-08	7.92E-08	3.56E-08	1.28E-09	3.09E-08	2.17E-08	1.88E-08	5.62E-09	7.84E-08
494461.06, 3860001.99	0.03071	0.000112	3.88E-08	1.17E-07	9.25E-08	8.00E-08	3.60E-08	1.29E-09	3.13E-08	2.20E-08	1.90E-08	5.67E-09	7.92E-08
494511.06, 3860001.99	0.03062	0.0001117	3.87E-08	1.17E-07	9.22E-08	7.98E-08	3.59E-08	1.29E-09	3.12E-08	2.19E-08	1.90E-08	5.66E-09	7.90E-08
494561.06, 3860001.99	0.03226	0.0001176	4.07E-08	1.23E-07	9.71E-08	8.40E-08	3.78E-08	1.36E-09	3.28E-08	2.31E-08	2.00E-08	5.96E-09	8.32E-08
494611.06, 3860001.99	0.03204	0.0001168	4.04E-08	1.22E-07	9.65E-08	8.35E-08	3.75E-08	1.35E-09	3.26E-08	2.29E-08	1.98E-08	5.92E-09	8.26E-08
494661.06, 3860001.99	0.03237	0.000118	4.09E-08	1.23E-07	9.75E-08	8.43E-08	3.79E-08	1.36E-09	3.30E-08	2.32E-08	2.00E-08	5.98E-09	8.35E-08
494711.06, 3860001.99	0.03123	0.0001139	3.94E-08	1.19E-07	9.40E-08	8.14E-08	3.66E-08	1.32E-09	3.18E-08	2.23E-08	1.93E-08	5.77E-09	8.06E-08
494761.06, 3860001.99	0.03222	0.0001175	4.07E-08	1.23E-07	9.70E-08	8.39E-08	3.77E-08	1.36E-09	3.28E-08	2.30E-08	1.99E-08	5.95E-09	8.31E-08
494811.06, 3860001.99	0.0326	0.0001189	4.12E-08	1.24E-07	9.82E-08	8.49E-08	3.82E-08	1.37E-09	3.32E-08	2.33E-08	2.02E-08	6.02E-09	8.41E-08
494861.06, 3860001.99	0.03309	0.0001207	4.18E-08	1.26E-07	9.96E-08	8.62E-08	3.88E-08	1.39E-09	3.37E-08	2.37E-08	2.05E-08	6.11E-09	8.54E-08
494911.06, 3860001.99	0.03186	0.0001162	4.02E-08	1.21E-07	9.59E-08	8.30E-08	3.73E-08	1.34E-09	3.24E-08	2.28E-08	1.97E-08	5.89E-09	8.22E-08
494961.06, 3860001.99	0.03233	0.0001179	4.08E-08	1.23E-07	9.73E-08	8.42E-08	3.79E-08	1.36E-09	3.29E-08	2.31E-08	2.00E-08	5.97E-09	8.34E-08
495011.06, 3860001.99	0.03222	0.0001175	4.07E-08	1.23E-07	9.70E-08	8.39E-08	3.77E-08	1.36E-09	3.28E-08	2.30E-08	1.99E-08	5.95E-09	8.31E-08

495061.06, 3860001.99	0.03264	0.000119	4.12E-08	1.24E-07	9.83E-08	8.50E-08	3.82E-08	1.38E-09	3.32E-08	2.33E-08	2.02E-08	6.03E-09	8.42E-08
495111.06, 3860001.99	0.03248	0.0001184	4.10E-08	1.24E-07	9.78E-08	8.46E-08	3.80E-08	1.37E-09	3.31E-08	2.32E-08	2.01E-08	6.00E-09	8.38E-08
495161.06, 3860001.99	0.03235	0.000118	4.08E-08	1.23E-07	9.74E-08	8.43E-08	3.79E-08	1.36E-09	3.29E-08	2.31E-08	2.00E-08	5.98E-09	8.34E-08
495211.06, 3860001.99	0.0327	0.0001192	4.13E-08	1.25E-07	9.85E-08	8.52E-08	3.83E-08	1.38E-09	3.33E-08	2.34E-08	2.02E-08	6.04E-09	8.43E-08
495261.06, 3860001.99	0.03259	0.0001188	4.11E-08	1.24E-07	9.81E-08	8.49E-08	3.82E-08	1.37E-09	3.32E-08	2.33E-08	2.02E-08	6.02E-09	8.41E-08
495311.06, 3860001.99	0.03267	0.0001191	4.12E-08	1.25E-07	9.84E-08	8.51E-08	3.83E-08	1.38E-09	3.33E-08	2.34E-08	2.02E-08	6.04E-09	8.43E-08
495361.06, 3860001.99	0.03217	0.0001173	4.06E-08	1.23E-07	9.69E-08	8.38E-08	3.77E-08	1.36E-09	3.28E-08	2.30E-08	1.99E-08	5.94E-09	8.30E-08
495411.06, 3860001.99	0.03257	0.0001188	4.11E-08	1.24E-07	9.81E-08	8.48E-08	3.82E-08	1.37E-09	3.32E-08	2.33E-08	2.02E-08	6.02E-09	8.40E-08
495461.06, 3860001.99	0.03252	0.0001186	4.11E-08	1.24E-07	9.79E-08	8.47E-08	3.81E-08	1.37E-09	3.31E-08	2.33E-08	2.01E-08	6.01E-09	8.39E-08
495511.06, 3860001.99	0.03249	0.0001185	4.10E-08	1.24E-07	9.78E-08	8.46E-08	3.81E-08	1.37E-09	3.31E-08	2.32E-08	2.01E-08	6.00E-09	8.38E-08
495561.06, 3860001.99	0.03269	0.0001192	4.13E-08	1.25E-07	9.84E-08	8.52E-08	3.83E-08	1.38E-09	3.33E-08	2.34E-08	2.02E-08	6.04E-09	8.43E-08
495611.06, 3860001.99	0.03243	0.0001183	4.09E-08	1.24E-07	9.76E-08	8.45E-08	3.80E-08	1.37E-09	3.30E-08	2.32E-08	2.01E-08	5.99E-09	8.37E-08
495661.06, 3860001.99	0.03223	0.0001175	4.07E-08	1.23E-07	9.70E-08	8.40E-08	3.78E-08	1.36E-09	3.28E-08	2.31E-08	1.99E-08	5.96E-09	8.31E-08
494411.06, 3860051.99	0.03407	0.0001242	4.30E-08	1.30E-07	1.03E-07	8.88E-08	3.99E-08	1.44E-09	3.47E-08	2.44E-08	2.11E-08	6.30E-09	8.79E-08
494461.06, 3860051.99	0.03408	0.0001243	4.30E-08	1.30E-07	1.03E-07	8.88E-08	3.99E-08	1.44E-09	3.47E-08	2.44E-08	2.11E-08	6.30E-09	8.79E-08
494511.06, 3860051.99	0.03417	0.0001246	4.31E-08	1.30E-07	1.03E-07	8.90E-08	4.00E-08	1.44E-09	3.48E-08	2.44E-08	2.12E-08	6.31E-09	8.81E-08
494561.06, 3860051.99	0.03527	0.0001286	4.45E-08	1.34E-07	1.06E-07	9.19E-08	4.13E-08	1.49E-09	3.59E-08	2.52E-08	2.18E-08	6.52E-09	9.10E-08
494611.06, 3860051.99	0.0358	0.0001306	4.52E-08	1.36E-07	1.08E-07	9.33E-08	4.19E-08	1.51E-09	3.65E-08	2.56E-08	2.22E-08	6.61E-09	9.23E-08
494661.06, 3860051.99	0.03618	0.0001319	4.57E-08	1.38E-07	1.09E-07	9.43E-08	4.24E-08	1.53E-09	3.68E-08	2.59E-08	2.24E-08	6.69E-09	9.33E-08
494711.06, 3860051.99	0.0355	0.0001295	4.48E-08	1.35E-07	1.07E-07	9.25E-08	4.16E-08	1.50E-09	3.61E-08	2.54E-08	2.20E-08	6.56E-09	9.16E-08
494761.06, 3860051.99	0.03592	0.000131	4.53E-08	1.37E-07	1.08E-07	9.36E-08	4.21E-08	1.51E-09	3.66E-08	2.57E-08	2.22E-08	6.64E-09	9.27E-08
494811.06, 3860051.99	0.03676	0.0001341	4.64E-08	1.40E-07	1.11E-07	9.58E-08	4.31E-08	1.55E-09	3.74E-08	2.63E-08	2.28E-08	6.79E-09	9.48E-08
494861.06, 3860051.99	0.03746	0.0001366	4.73E-08	1.43E-07	1.13E-07	9.76E-08	4.39E-08	1.58E-09	3.81E-08	2.68E-08	2.32E-08	6.92E-09	9.66E-08
494911.06, 3860051.99	0.03695	0.0001347	4.66E-08	1.41E-07	1.11E-07	9.63E-08	4.33E-08	1.56E-09	3.76E-08	2.64E-08	2.29E-08	6.83E-09	9.53E-08
494961.06, 3860051.99	0.03641	0.0001328	4.60E-08	1.39E-07	1.10E-07	9.49E-08	4.27E-08	1.53E-09	3.71E-08	2.60E-08	2.25E-08	6.73E-09	9.39E-08
495011.06, 3860051.99	0.03613	0.0001318	4.56E-08	1.38E-07	1.09E-07	9.41E-08	4.23E-08	1.52E-09	3.68E-08	2.58E-08	2.24E-08	6.68E-09	9.32E-08
495061.06, 3860051.99	0.03612	0.0001317	4.56E-08	1.38E-07	1.09E-07	9.41E-08	4.23E-08	1.52E-09	3.68E-08	2.58E-08	2.24E-08	6.67E-09	9.32E-08
495111.06, 3860051.99	0.03575	0.0001304	4.51E-08	1.36E-07	1.08E-07	9.31E-08	4.19E-08	1.51E-09	3.64E-08	2.56E-08	2.21E-08	6.61E-09	9.22E-08
495161.06, 3860051.99	0.03579	0.0001305	4.52E-08	1.36E-07	1.08E-07	9.32E-08	4.19E-08	1.51E-09	3.64E-08	2.56E-08	2.22E-08	6.61E-09	9.23E-08
495211.06, 3860051.99	0.03565	0.00013	4.50E-08	1.36E-07	1.07E-07	9.29E-08	4.18E-08	1.50E-09	3.63E-08	2.55E-08	2.21E-08	6.59E-09	9.20E-08
495261.06, 3860051.99	0.03584	0.0001307	4.52E-08	1.37E-07	1.08E-07	9.34E-08	4.20E-08	1.51E-09	3.65E-08	2.56E-08	2.22E-08	6.62E-09	9.24E-08
495311.06, 3860051.99	0.03613	0.0001318	4.56E-08	1.38E-07	1.09E-07	9.41E-08	4.23E-08	1.52E-09	3.68E-08	2.58E-08	2.24E-08	6.68E-09	9.32E-08
495361.06, 3860051.99	0.03624	0.0001322	4.57E-08	1.38E-07	1.09E-07	9.44E-08	4.25E-08	1.53E-09	3.69E-08	2.59E-08	2.24E-08	6.70E-09	9.35E-08
495411.06, 3860051.99	0.03624	0.0001322	4.57E-08	1.38E-07	1.09E-07	9.44E-08	4.25E-08	1.53E-09	3.69E-08	2.59E-08	2.24E-08	6.70E-09	9.35E-08
495461.06, 3860051.99	0.03611	0.0001317	4.56E-08	1.38E-07	1.09E-07	9.41E-08	4.23E-08	1.52E-09	3.68E-08	2.58E-08	2.24E-08	6.67E-09	9.31E-08
495511.06, 3860051.99	0.03624	0.0001322	4.57E-08	1.38E-07	1.09E-07	9.44E-08	4.25E-08	1.53E-09	3.69E-08	2.59E-08	2.24E-08	6.70E-09	9.35E-08
495561.06, 3860051.99	0.03619	0.000132	4.57E-08	1.38E-07	1.09E-07	9.43E-08	4.24E-08	1.53E-09	3.68E-08	2.59E-08	2.24E-08	6.69E-09	9.34E-08
495611.06, 3860051.99	0.03601	0.0001313	4.55E-08	1.37E-07	1.08E-07	9.38E-08	4.22E-08	1.52E-09	3.67E-08	2.58E-08	2.23E-08	6.65E-09	9.29E-08
495661.06, 3860051.99	0.03562	0.0001299	4.50E-08	1.36E-07	1.07E-07	9.28E-08	4.17E-08	1.50E-09	3.63E-08	2.55E-08	2.20E-08	6.58E-09	9.19E-08
494411.06, 3860101.99	0.03725	0.0001358	4.70E-08	1.42E-07	1.12E-07	9.70E-08	4.36E-08	1.57E-09	3.79E-08	2.66E-08	2.31E-08	6.88E-09	9.61E-08
494461.06, 3860101.99	0.03831	0.0001397	4.84E-08	1.46E-07	1.15E-07	9.98E-08	4.49E-08	1.61E-09	3.90E-08	2.74E-08	2.37E-08	7.08E-09	9.88E-08
494511.06, 3860101.99	0.03773	0.0001376	4.76E-08	1.44E-07	1.14E-07	9.83E-08	4.42E-08	1.59E-09	3.84E-08	2.70E-08	2.34E-08	6.97E-09	9.73E-08
494561.06, 3860101.99	0.03834	0.0001398	4.84E-08	1.46E-07	1.15E-07	9.99E-08	4.49E-08	1.62E-09	3.90E-08	2.74E-08	2.37E-08	7.08E-09	9.89E-08
494611.06, 3860101.99	0.03966	0.0001446	5.01E-08	1.51E-07	1.19E-07	1.03E-07	4.65E-08	1.67E-09	4.04E-08	2.84E-08	2.45E-08	7.33E-09	1.02E-07
494661.06, 3860101.99	0.04028	0.0001469	5.08E-08	1.54E-07	1.21E-07	1.05E-07	4.72E-08	1.70E-09	4.10E-08	2.88E-08	2.49E-08	7.44E-09	1.04E-07
494711.06, 3860101.99	0.03968	0.0001447	5.01E-08	1.51E-07	1.19E-07	1.03E-07	4.65E-08	1.67E-09	4.04E-08	2.84E-08	2.46E-08	7.33E-09	1.02E-07
494761.06, 3860101.99	0.04011	0.0001463	5.06E-08	1.53E-07	1.21E-07	1.04E-07	4.70E-08	1.69E-09	4.08E-08	2.87E-08	2.48E-08	7.41E-09	1.03E-07
494811.06, 3860101.99	0.0406	0.0001481	5.13E-08	1.55E-07	1.22E-07	1.06E-07	4.76E-08	1.71E-09	4.13E-08	2.90E-08	2.51E-08	7.50E-09	1.05E-07
494861.06, 3860101.99	0.0413	0.0001506	5.21E-08	1.57E-07	1.24E-07	1.08E-07	4.84E-08	1.74E-09	4.21E-08	2.95E-08	2.56E-08	7.63E-09	1.07E-07
494911.06, 3860101.99	0.04022	0.0001467	5.08E-08	1.53E-07	1.21E-07	1.05E-07	4.71E-08	1.70E-09	4.10E-08	2.88E-08	2.49E-08	7.43E-09	1.04E-07
494961.06, 3860101.99	0.04045	0.0001475	5.11E-08	1.54E-07	1.22E-07	1.05E-07	4.74E-08	1.71E-09	4.12E-08	2.89E-08	2.50E-08	7.47E-09	1.04E-07
495011.06, 3860101.99	0.04013	0.0001463	5.07E-08	1.53E-07	1.21E-07	1.05E-07	4.70E-08	1.69E-09	4.09E-08	2.87E-08	2.48E-08	7.41E-09	1.04E-07
495061.06, 3860101.99	0.03994	0.0001456	5.04E-08	1.52E-07	1.20E-07	1.04E-07	4.68E-08	1.68E-09	4.07E-08	2.86E-08	2.47E-08	7.38E-09	1.03E-07
495111.06, 3860101.99	0.03943	0.0001438	4.98E-08	1.50E-07	1.19E-07	1.03E-07	4.62E-08	1.66E-09	4.01E-08	2.82E-08	2.44E-08	7.29E-09	1.02E-07
495161.06, 3860101.99	0.03977	0.000145	5.02E-08	1.52E-07	1.20E-07	1.04E-07	4.66E-08	1.68E-09	4.05E-08	2.84E-08	2.46E-08	7.35E-09	1.03E-07
495211.06, 3860101.99	0.03981	0.0001452	5.03E-08	1.52E-07	1.20E-07	1.04E-07	4.66E-08	1.68E-09	4.05E-08	2.85E-08	2.46E-08	7.36E-09	1.03E-07
495261.06, 3860101.99	0.0398	0.0001451	5.02E-08	1.52E-07	1.20E-07	1.04E-07	4.66E-08	1.68E-09	4.05E-08	2.85E-08	2.46E-08	7.35E-09	1.03E-07
495311.06, 3860101.99	0.03994	0.0001456	5.04E-08	1.52E-07	1.20E-07	1.04E-07	4.68E-08	1.68E-09	4.07E-08	2.86E-08	2.47E-08	7.38E-09	1.03E-07
495361.06, 3860101.99	0.04033	0.0001471	5.09E-08	1.54E-07	1.21E-07	1.05E-07	4.72E-08	1.70E-09	4.11E-08	2.89E-08	2.50E-08	7.45E-09	1.04E-07
495411.06, 3860101.99	0.04026	0.0001468	5.08E-08	1.53E-07	1.21E-07	1.05E-07	4.72E-08	1.70E-09	4.10E-08	2.88E-08	2.49E-08	7.44E-09	1.04E-07
495461.06, 3860101.99	0.03972	0.0001448	5.01E-08	1.51E-07	1.20E-07	1.03E-07	4.65E-08	1.67E-09	4.04E-08	2.84E-08	2.46E-08	7.34E-09	1.02E-07
495511.06, 3860101.99	0.04004	0.000146	5.05E-08	1.53E-07	1.21E-07	1.04E-07	4.69E-08	1.69E-09	4.08E-08	2.86E-08	2.48E-08	7.40E-09	1.03E-07
495561.06, 3860101.99	0.04032	0.000147	5.09E-08	1.54E-07	1.21E-07	1.05E-07	4.72E-08	1.70E-09	4.11E-08	2.88E-08	2.50E-08	7.45E-09	1.04E-07
495611.06, 3860101.99	0.03976	0.000145	5.02E-08	1.52E-07	1.20E-07	1.04E-07	4.66E-08	1.68E-09	4.05E-08	2.84E-08	2.46E-08	7.35E-09	1.03E-07
495661.06, 3860101.99	0.03974	0.0001449	5.02E-08	1.51E-07	1.20E-07	1.04E-07	4.66E-08	1.68E-09	4.05E-08	2.84E-08	2.46E-08	7.34E-09	1.03E-07
494861.06, 3860151.99	0.04659	0.0001699	5.88E-08	1.78E-07	1.40E-07	1.21E-07	5.46E-08	1.96E-09	4.74E-08	3.33E-08	2.88E-08	8.61E-09	1.20E-07
494911.06, 3860151.99	0.04557	0.0001662	5.75E-08	1.74E-07	1.37E-07	1.19E-07	5.34E-08	1.92E-09	4.64E-08	3.26E-08	2.82E-08	8.42E-09	1.18E-07
494961.06, 3860151.99	0.04531	0.0001652	5.72E-08	1.73E-07	1.36E-07	1.18E-07	5.31E-08	1.91E-09	4.61E-08	3.24E-08	2.80E-08	8.37E-09	1.17E-07
495011.06, 3860151.99	0.0449	0.0001637	5.67E-08	1.71E-07	1.35E-07	1.17E-07	5.26E-08	1.89E-09	4.57E-08	3.21E-08	2.78E-08	8.30E-09	1.16E-07
495061.06, 3860151.99	0.04455	0.0001625	5.62E-08	1.70E-07	1.34E-07	1.16E-07	5.22E-08	1.88E-09	4.54E-08	3.19E-08	2.76E-08	8.23E-09	1.15E-07
495111.06, 3860151.99	0.04455	0.0001625	5.62E-08	1.70E-07	1.34E-07	1.16E-07	5.22E-08	1.88E-09	4.54E-08	3.19E-08	2.76E-08	8.23E-09	1.15E-07
495161.06, 3860151.99	0.04467	0.0001629	5.64E-08	1.70E-07	1.34E-07	1.16E-07	5.23E-08	1.88E-09	4.55E-08	3.20E-08	2.76E-08	8.25E-09	1.15E-07
495211.06, 3860151.99	0.04456	0.0001625	5.63E-08	1.70E-07	1.34E-07	1.16E-07	5.22E-08	1.88E-09	4.54E-08	3.19E-08	2.76E-08	8.23E-09	1.15E-07
495261.06, 3860151.99	0.04474	0.0001632	5.65E-08	1.71E-07	1.35E-07	1.17E-07	5.24E-08	1.89E-09	4.56E-08	3.20E-08	2.77E-08	8.27E-09	1.15E-07
495311.06, 3860151.99	0.04486	0.0001636	5.66E-08	1.71E-07	1.35E-07	1.17E-07	5.26E-08	1.89E-09	4.57E-08	3.21E-08	2.78E-08	8.29E-09	1.16E-07
495361.06, 3860151.99	0.04506	0.0001643	5.69E-08	1.72E-07	1.36E-07	1.17E-07	5.28E-08	1.90E-09	4.59E-08	3.22E-08	2.79E-08	8.33E-09	1.16E-07
495411.06, 3860151.99	0.04501	0.0001641	5.68E-08	1.72E-07	1.36E-07	1.17E-07	5.27E-08	1.90E-09	4.58E-08	3.22E-08	2.79E-08	8.32E-09	1.16E-07
495461.06, 3860151.99	0.04497	0.000164	5.68E-08	1.71E-07	1.35E-07	1.17E-07	5.27E-08	1.90E-09	4.58E-08	3.22E-08	2.78E-08	8.31E-09	1.16E-07
495511.06, 3860151.99	0.04466	0.0001629	5.64E-08	1.70E-07	1.34E-07	1.16E-07	5.23E-08	1.88E-09	4.55E-08	3.19E-08	2.76E-08	8.25E-09	1.15E-07
495561.06, 3860151.99	0.04477	0.0001633	5.65E-08	1.71E-07	1.35E-07	1.17E-07	5.24E-08	1.89E-09	4.56E-08	3.20E-08	2.77E-08	8.27E-09	1.15E-07

495611.06, 3860151.99	0.04452	0.0001623	5.62E-08	1.70E-07	1.34E-07	1.16E-07	5.22E-08	1.88E-09	4.53E-08	3.18E-08	2.76E-08	8.23E-09	1.15E-07
495661.06, 3860151.99	0.04415	0.000161	5.57E-08	1.68E-07	1.33E-07	1.15E-07	5.17E-08	1.86E-09	4.50E-08	3.16E-08	2.73E-08	8.16E-09	1.14E-07
495718.25, 3859442.96	0.01283	4.679E-05	1.62E-08	4.89E-08	3.86E-08	3.34E-08	1.50E-08	5.41E-10	1.31E-08	9.18E-09	7.94E-09	2.37E-09	3.31E-08
495818.25, 3859442.96	0.01286	4.69E-05	1.62E-08	4.90E-08	3.87E-08	3.35E-08	1.51E-08	5.42E-10	1.31E-08	9.20E-09	7.96E-09	2.38E-09	3.32E-08
495918.25, 3859442.96	0.01296	4.726E-05	1.64E-08	4.94E-08	3.90E-08	3.38E-08	1.52E-08	5.46E-10	1.32E-08	9.27E-09	8.02E-09	2.39E-09	3.34E-08
496018.25, 3859442.96	0.01311	4.781E-05	1.65E-08	5.00E-08	3.95E-08	3.42E-08	1.54E-08	5.53E-10	1.33E-08	9.38E-09	8.11E-09	2.42E-09	3.38E-08
496118.25, 3859442.96	0.01347	4.912E-05	1.70E-08	5.13E-08	4.06E-08	3.51E-08	1.58E-08	5.68E-10	1.37E-08	9.64E-09	8.34E-09	2.49E-09	3.47E-08
496218.25, 3859442.96	0.01385	5.051E-05	1.75E-08	5.28E-08	4.17E-08	3.61E-08	1.62E-08	5.84E-10	1.41E-08	9.91E-09	8.57E-09	2.56E-09	3.57E-08
496318.25, 3859442.96	0.01411	5.145E-05	1.78E-08	5.38E-08	4.25E-08	3.68E-08	1.65E-08	5.95E-10	1.44E-08	1.01E-08	8.73E-09	2.61E-09	3.64E-08
496418.25, 3859442.96	0.0144	5.251E-05	1.82E-08	5.49E-08	4.34E-08	3.75E-08	1.69E-08	6.07E-10	1.47E-08	1.03E-08	8.91E-09	2.66E-09	3.71E-08
495718.25, 3859542.96	0.01481	5.401E-05	1.87E-08	5.64E-08	4.46E-08	3.86E-08	1.73E-08	6.24E-10	1.51E-08	1.06E-08	9.17E-09	2.74E-09	3.82E-08
495818.25, 3859542.96	0.01489	5.43E-05	1.88E-08	5.68E-08	4.48E-08	3.88E-08	1.74E-08	6.28E-10	1.52E-08	1.07E-08	9.22E-09	2.75E-09	3.84E-08
495918.25, 3859542.96	0.01494	5.448E-05	1.89E-08	5.69E-08	4.50E-08	3.89E-08	1.75E-08	6.30E-10	1.52E-08	1.07E-08	9.25E-09	2.76E-09	3.85E-08
496018.25, 3859542.96	0.01506	5.492E-05	1.90E-08	5.74E-08	4.53E-08	3.92E-08	1.76E-08	6.35E-10	1.53E-08	1.08E-08	9.32E-09	2.78E-09	3.88E-08
496118.25, 3859542.96	0.01549	5.649E-05	1.96E-08	5.90E-08	4.66E-08	4.04E-08	1.81E-08	6.53E-10	1.58E-08	1.11E-08	9.59E-09	2.86E-09	4.00E-08
496218.25, 3859542.96	0.0159	5.798E-05	2.01E-08	6.06E-08	4.79E-08	4.14E-08	1.86E-08	6.70E-10	1.62E-08	1.14E-08	9.84E-09	2.94E-09	4.10E-08
496318.25, 3859542.96	0.01631	5.948E-05	2.06E-08	6.22E-08	4.91E-08	4.25E-08	1.91E-08	6.88E-10	1.66E-08	1.17E-08	1.01E-08	3.01E-09	4.21E-08
496418.25, 3859542.96	0.01658	6.046E-05	2.09E-08	6.32E-08	4.99E-08	4.32E-08	1.94E-08	6.99E-10	1.69E-08	1.19E-08	1.03E-08	3.06E-09	4.28E-08
495718.25, 3859642.96	0.01716	6.258E-05	2.17E-08	6.54E-08	5.17E-08	4.47E-08	2.01E-08	7.23E-10	1.75E-08	1.23E-08	1.06E-08	3.17E-09	4.43E-08
495818.25, 3859642.96	0.01719	6.269E-05	2.17E-08	6.55E-08	5.18E-08	4.48E-08	2.01E-08	7.25E-10	1.75E-08	1.23E-08	1.06E-08	3.18E-09	4.43E-08
495918.25, 3859642.96	0.01734	6.323E-05	2.19E-08	6.61E-08	5.22E-08	4.52E-08	2.03E-08	7.31E-10	1.77E-08	1.24E-08	1.07E-08	3.20E-09	4.47E-08
496018.25, 3859642.96	0.01746	6.367E-05	2.20E-08	6.65E-08	5.26E-08	4.55E-08	2.05E-08	7.36E-10	1.78E-08	1.25E-08	1.08E-08	3.23E-09	4.50E-08
496118.25, 3859642.96	0.01803	6.575E-05	2.28E-08	6.87E-08	5.43E-08	4.70E-08	2.11E-08	7.60E-10	1.84E-08	1.29E-08	1.12E-08	3.33E-09	4.65E-08
496218.25, 3859642.96	0.01859	6.779E-05	2.35E-08	7.09E-08	5.60E-08	4.84E-08	2.18E-08	7.84E-10	1.89E-08	1.33E-08	1.15E-08	3.43E-09	4.80E-08
496318.25, 3859642.96	0.01891	6.896E-05	2.39E-08	7.21E-08	5.69E-08	4.93E-08	2.22E-08	7.97E-10	1.93E-08	1.35E-08	1.17E-08	3.49E-09	4.88E-08
496418.25, 3859642.96	0.01862	6.79E-05	2.35E-08	7.10E-08	5.61E-08	4.85E-08	2.18E-08	7.85E-10	1.90E-08	1.33E-08	1.15E-08	3.44E-09	4.80E-08
495718.25, 3859742.96	0.02026	7.388E-05	2.56E-08	7.72E-08	6.10E-08	5.28E-08	2.37E-08	8.54E-10	2.06E-08	1.45E-08	1.25E-08	3.74E-09	5.23E-08
495818.25, 3859742.96	0.02018	7.359E-05	2.55E-08	7.69E-08	6.08E-08	5.26E-08	2.36E-08	8.51E-10	2.05E-08	1.44E-08	1.25E-08	3.73E-09	5.21E-08
495918.25, 3859742.96	0.02027	7.392E-05	2.56E-08	7.73E-08	6.10E-08	5.28E-08	2.37E-08	8.54E-10	2.06E-08	1.45E-08	1.25E-08	3.75E-09	5.23E-08
496018.25, 3859742.96	0.02036	7.425E-05	2.57E-08	7.76E-08	6.13E-08	5.30E-08	2.39E-08	8.58E-10	2.07E-08	1.46E-08	1.26E-08	3.76E-09	5.25E-08
496118.25, 3859742.96	0.02101	7.662E-05	2.65E-08	8.01E-08	6.33E-08	5.47E-08	2.46E-08	8.86E-10	2.14E-08	1.50E-08	1.30E-08	3.88E-09	5.42E-08
496218.25, 3859742.96	0.02188	7.979E-05	2.76E-08	8.34E-08	6.59E-08	5.70E-08	2.56E-08	9.22E-10	2.23E-08	1.57E-08	1.35E-08	4.04E-09	5.64E-08
496318.25, 3859742.96	0.02154	7.855E-05	2.72E-08	8.21E-08	6.49E-08	5.61E-08	2.52E-08	9.08E-10	2.19E-08	1.54E-08	1.33E-08	3.98E-09	5.56E-08
496418.25, 3859742.96	0.02099	7.654E-05	2.65E-08	8.00E-08	6.32E-08	5.47E-08	2.46E-08	8.85E-10	2.14E-08	1.50E-08	1.30E-08	3.88E-09	5.41E-08
495718.25, 3859842.96	0.02402	8.759E-05	3.03E-08	9.16E-08	7.23E-08	6.26E-08	2.81E-08	1.01E-09	2.45E-08	1.72E-08	1.49E-08	4.44E-09	6.20E-08
495818.25, 3859842.96	0.02403	8.763E-05	3.03E-08	9.16E-08	7.23E-08	6.26E-08	2.81E-08	1.01E-09	2.45E-08	1.72E-08	1.49E-08	4.44E-09	6.20E-08
495918.25, 3859842.96	0.02407	8.778E-05	3.04E-08	9.17E-08	7.25E-08	6.27E-08	2.82E-08	1.01E-09	2.45E-08	1.72E-08	1.49E-08	4.45E-09	6.21E-08
496018.25, 3859842.96	0.0244	8.898E-05	3.08E-08	9.30E-08	7.35E-08	6.36E-08	2.86E-08	1.03E-09	2.48E-08	1.75E-08	1.51E-08	4.51E-09	6.29E-08
496118.25, 3859842.96	0.025	9.117E-05	3.16E-08	9.53E-08	7.53E-08	6.51E-08	2.93E-08	1.05E-09	2.55E-08	1.79E-08	1.55E-08	4.62E-09	6.45E-08
496218.25, 3859842.96	0.025	9.117E-05	3.16E-08	9.53E-08	7.53E-08	6.51E-08	2.93E-08	1.05E-09	2.55E-08	1.79E-08	1.55E-08	4.62E-09	6.45E-08
496318.25, 3859842.96	0.02372	8.65E-05	2.99E-08	9.04E-08	7.14E-08	6.18E-08	2.78E-08	1.00E-09	2.42E-08	1.70E-08	1.47E-08	4.38E-09	6.12E-08
496418.25, 3859842.96	0.0234	8.533E-05	2.95E-08	8.92E-08	7.05E-08	6.10E-08	2.74E-08	9.86E-10	2.38E-08	1.67E-08	1.45E-08	4.32E-09	6.04E-08
495718.25, 3859942.96	0.02876	0.0001049	3.63E-08	1.10E-07	8.66E-08	7.49E-08	3.37E-08	1.21E-09	2.93E-08	2.06E-08	1.78E-08	5.31E-09	7.42E-08
495818.25, 3859942.96	0.02868	0.0001046	3.62E-08	1.09E-07	8.63E-08	7.47E-08	3.36E-08	1.21E-09	2.92E-08	2.05E-08	1.78E-08	5.30E-09	7.40E-08
495918.25, 3859942.96	0.02893	0.0001055	3.65E-08	1.10E-07	8.71E-08	7.54E-08	3.39E-08	1.22E-09	2.95E-08	2.07E-08	1.79E-08	5.35E-09	7.46E-08
496018.25, 3859942.96	0.02997	0.0001093	3.78E-08	1.14E-07	9.02E-08	7.81E-08	3.51E-08	1.26E-09	3.05E-08	2.14E-08	1.86E-08	5.54E-09	7.73E-08
496118.25, 3859942.96	0.02941	0.0001072	3.71E-08	1.12E-07	8.85E-08	7.66E-08	3.45E-08	1.24E-09	2.99E-08	2.10E-08	1.82E-08	5.43E-09	7.59E-08
496218.25, 3859942.96	0.02828	0.0001031	3.57E-08	1.08E-07	8.51E-08	7.37E-08	3.31E-08	1.19E-09	2.88E-08	2.02E-08	1.75E-08	5.23E-09	7.29E-08
496318.25, 3859942.96	0.02752	0.0001004	3.47E-08	1.05E-07	8.29E-08	7.17E-08	3.22E-08	1.16E-09	2.80E-08	1.97E-08	1.70E-08	5.08E-09	7.10E-08
496418.25, 3859942.96	0.02664	9.715E-05	3.36E-08	1.02E-07	8.02E-08	6.94E-08	3.12E-08	1.12E-09	2.71E-08	1.91E-08	1.65E-08	4.92E-09	6.87E-08
496856.82, 3858864.83	0.00798	2.91E-05	1.01E-08	3.04E-08	2.40E-08	2.08E-08	9.35E-09	3.36E-10	8.13E-09	5.71E-09	4.94E-09	1.47E-09	2.06E-08
496956.82, 3858864.83	0.0082	2.99E-05	1.04E-08	3.13E-08	2.47E-08	2.14E-08	9.61E-09	3.46E-10	8.35E-09	5.87E-09	5.08E-09	1.52E-09	2.12E-08
497056.82, 3858864.83	0.00846	3.085E-05	1.07E-08	3.22E-08	2.55E-08	2.20E-08	9.91E-09	3.57E-10	8.61E-09	6.05E-09	5.24E-09	1.56E-09	2.18E-08
497156.82, 3858864.83	0.00872	3.18E-05	1.10E-08	3.32E-08	2.63E-08	2.27E-08	1.02E-08	3.68E-10	8.88E-09	6.24E-09	5.40E-09	1.61E-09	2.25E-08
497256.82, 3858864.83	0.00903	3.293E-05	1.14E-08	3.44E-08	2.72E-08	2.35E-08	1.06E-08	3.81E-10	9.19E-09	6.46E-09	5.59E-09	1.67E-09	2.33E-08
496856.82, 3858964.83	0.00892	3.253E-05	1.13E-08	3.40E-08	2.69E-08	2.32E-08	1.04E-08	3.76E-10	9.08E-09	6.38E-09	5.52E-09	1.65E-09	2.30E-08
496956.82, 3858964.83	0.00915	3.337E-05	1.16E-08	3.49E-08	2.75E-08	2.38E-08	1.07E-08	3.86E-10	9.32E-09	6.55E-09	5.66E-09	1.69E-09	2.36E-08
497056.82, 3858964.83	0.00943	3.439E-05	1.19E-08	3.59E-08	2.84E-08	2.46E-08	1.10E-08	3.98E-10	9.60E-09	6.75E-09	5.84E-09	1.74E-09	2.43E-08
497156.82, 3858964.83	0.00971	3.541E-05	1.23E-08	3.70E-08	2.92E-08	2.53E-08	1.14E-08	4.09E-10	9.89E-09	6.95E-09	6.01E-09	1.79E-09	2.50E-08
497256.82, 3858964.83	0.01012	3.69E-05	1.28E-08	3.86E-08	3.05E-08	2.64E-08	1.19E-08	4.27E-10	1.03E-08	7.24E-09	6.26E-09	1.87E-09	2.61E-08
496856.82, 3859064.83	0.00994	3.625E-05	1.25E-08	3.79E-08	2.99E-08	2.59E-08	1.16E-08	4.19E-10	1.01E-08	7.11E-09	6.15E-09	1.84E-09	2.56E-08
496956.82, 3859064.83	0.01022	3.727E-05	1.29E-08	3.90E-08	3.08E-08	2.66E-08	1.20E-08	4.31E-10	1.04E-08	7.31E-09	6.33E-09	1.89E-09	2.64E-08
497056.82, 3859064.83	0.01053	3.84E-05	1.33E-08	4.01E-08	3.17E-08	2.74E-08	1.23E-08	4.44E-10	1.07E-08	7.53E-09	6.52E-09	1.95E-09	2.72E-08
497156.82, 3859064.83	0.01086	3.96E-05	1.37E-08	4.14E-08	3.27E-08	2.83E-08	1.27E-08	4.58E-10	1.11E-08	7.77E-09	6.72E-09	2.01E-09	2.80E-08
497256.82, 3859064.83	0.01138	4.15E-05	1.44E-08	4.34E-08	3.43E-08	2.96E-08	1.33E-08	4.80E-10	1.16E-08	8.14E-09	7.04E-09	2.10E-09	2.94E-08
496856.82, 3859164.83	0.01106	4.033E-05	1.40E-08	4.22E-08	3.33E-08	2.88E-08	1.30E-08	4.66E-10	1.13E-08	7.91E-09	6.85E-09	2.04E-09	2.85E-08
496956.82, 3859164.83	0.01135	4.139E-05	1.43E-08	4.33E-08	3.42E-08	2.96E-08	1.33E-08	4.78E-10	1.16E-08	8.12E-09	7.03E-09	2.10E-09	2.93E-08
497056.82, 3859164.83	0.01172	4.274E-05	1.48E-08	4.47E-08	3.53E-08	3.05E-08	1.37E-08	4.94E-10	1.19E-08	8.38E-09	7.25E-09	2.17E-09	3.02E-08
497156.82, 3859164.83	0.01221	4.453E-05	1.54E-08	4.65E-08	3.68E-08	3.18E-08	1.43E-08	5.15E-10	1.24E-08	8.73E-09	7.56E-09	2.26E-09	3.15E-08
497256.82, 3859164.83	0.01287	4.693E-05	1.62E-08	4.91E-08	3.87E-08	3.35E-08	1.51E-08	5.43E-10	1.31E-08	9.21E-09	7.97E-09	2.38E-09	3.32E-08
496856.82, 3859264.83	0.01228	4.478E-05	1.55E-08	4.68E-08	3.70E-08	3.20E-08	1.44E-08	5.18E-10	1.25E-08	8.78E-09	7.60E-09	2.27E-09	3.17E-08
496956.82, 3859264.83	0.0127	4.631E-05	1.60E-08	4.84E-08	3.82E-08	3.31E-08	1.49E-08	5.35E-10	1.29E-08	9.08E-09	7.86E-09	2.35E-09	3.28E-08
497056.82, 3859264.83	0.01324	4.828E-05	1.67E-08	5.05E-08	3.99E-08	3.45E-08	1.55E-08	5.58E-10	1.35E-08	9.47E-09	8.20E-09	2.45E-09	3.42E-08
497156.82, 3859264.83	0.01381	5.036E-05	1.74E-08	5.26E-08	4.16E-08	3.60E-08	1.62E-08	5.82E-10	1.41E-08	9.88E-09	8.55E-09	2.55E-09	3.56E-08
497256.82, 3859264.83	0.01454	5.302E-05	1.84E-08	5.54E-08	4.38E-08	3.79E-08	1.70E-08	6.13E-10	1.48E-08	1.04E-08	9.00E-09	2.69E-09	3.75E-08
497088.92, 3858620.93	0.0065	2.37E-05	8.21E-09	2.48E-08	1.96E-08	1.69E-08	7.61E-09	2.74E-10	6.62E-09	4.65E-09	4.02E-09	1.20E-09	1.68E-08
497138.92, 3858620.93	0.00661	2.41E-05	8.34E-09	2.52E-08	1.99E-08	1.72E-08	7.74E-09	2.79E-10	6.73E-09	4.73E-09	4.09E-09	1.22E-09	1.71E-08
497188.92, 3858620.93	0.00677	2.469E-05	8.55E-09	2.58E-08	2.04E-08	1.76E-08	7.93E-09	2.85E-10	6.89E-09	4.84E-09	4.19E-09	1.25E-09	1.75E-08
497238.92, 3858620.93	0.00689	2.513E-05	8.70E-09	2.63E-08	2.07E-08	1.79E-08	8.07E-09	2.90E-10	7.02E-09	4.93E-09	4.26E-09	1.27E-09	1.78E-08
497088.92, 3858670.93	0.00687	2.505E-05	8.67E-09	2.62E-08	2.07E-08	1.79E-08	8.05E-09	2.90E-10	7.00E-09	4.91E-09	4.25E-09	1.27E-09	1.77E-08

497138.92, 3858670.93	0.00701	2.556E-05	8.85E-09	2.67E-08	2.11E-08	1.83E-08	8.21E-09	2.95E-10	7.14E-09	5.01E-09	4.34E-09	1.30E-09	1.81E-08
497188.92, 3858670.93	0.00712	2.596E-05	8.99E-09	2.71E-08	2.14E-08	1.85E-08	8.34E-09	3.00E-10	7.25E-09	5.09E-09	4.41E-09	1.32E-09	1.84E-08
497238.92, 3858670.93	0.00726	2.647E-05	9.16E-09	2.77E-08	2.19E-08	1.89E-08	8.50E-09	3.06E-10	7.39E-09	5.19E-09	4.49E-09	1.34E-09	1.87E-08
497088.92, 3858720.93	0.00727	2.651E-05	9.18E-09	2.77E-08	2.19E-08	1.89E-08	8.52E-09	3.06E-10	7.40E-09	5.20E-09	4.50E-09	1.34E-09	1.88E-08
497138.92, 3858720.93	0.00734	2.677E-05	9.27E-09	2.80E-08	2.21E-08	1.91E-08	8.60E-09	3.09E-10	7.47E-09	5.25E-09	4.54E-09	1.36E-09	1.89E-08
497188.92, 3858720.93	0.00746	2.72E-05	9.42E-09	2.84E-08	2.25E-08	1.94E-08	8.74E-09	3.14E-10	7.60E-09	5.34E-09	4.62E-09	1.38E-09	1.92E-08
497238.92, 3858720.93	0.00766	2.793E-05	9.67E-09	2.92E-08	2.31E-08	2.00E-08	8.97E-09	3.23E-10	7.80E-09	5.48E-09	4.74E-09	1.42E-09	1.98E-08
497088.92, 3858770.93	0.00765	2.79E-05	9.66E-09	2.92E-08	2.30E-08	1.99E-08	8.96E-09	3.22E-10	7.79E-09	5.47E-09	4.74E-09	1.41E-09	1.97E-08
497138.92, 3858770.93	0.00777	2.833E-05	9.81E-09	2.96E-08	2.34E-08	2.02E-08	9.10E-09	3.28E-10	7.91E-09	5.56E-09	4.81E-09	1.44E-09	2.00E-08
497188.92, 3858770.93	0.00785	2.863E-05	9.91E-09	2.99E-08	2.36E-08	2.05E-08	9.20E-09	3.31E-10	7.99E-09	5.62E-09	4.86E-09	1.45E-09	2.02E-08
497238.92, 3858770.93	0.00808	2.947E-05	1.02E-08	3.08E-08	2.43E-08	2.10E-08	9.47E-09	3.41E-10	8.23E-09	5.78E-09	5.00E-09	1.49E-09	2.08E-08
497396.65, 3858622.63	0.00748	2.728E-05	9.44E-09	2.85E-08	2.25E-08	1.95E-08	8.76E-09	3.15E-10	7.62E-09	5.35E-09	4.63E-09	1.38E-09	1.93E-08
497496.65, 3858622.63	0.00786	2.866E-05	9.92E-09	3.00E-08	2.37E-08	2.05E-08	9.21E-09	3.31E-10	8.00E-09	5.62E-09	4.87E-09	1.45E-09	2.03E-08
497596.65, 3858622.63	0.00828	3.019E-05	1.05E-08	3.16E-08	2.49E-08	2.16E-08	9.70E-09	3.49E-10	8.43E-09	5.92E-09	5.13E-09	1.53E-09	2.14E-08
497696.65, 3858622.63	0.0087	3.173E-05	1.10E-08	3.32E-08	2.62E-08	2.27E-08	1.02E-08	3.67E-10	8.86E-09	6.22E-09	5.39E-09	1.61E-09	2.24E-08
497796.65, 3858622.63	0.00916	3.34E-05	1.16E-08	3.49E-08	2.76E-08	2.39E-08	1.07E-08	3.86E-10	9.33E-09	6.55E-09	5.67E-09	1.69E-09	2.36E-08
497896.65, 3858622.63	0.00966	3.523E-05	1.22E-08	3.68E-08	2.91E-08	2.52E-08	1.13E-08	4.07E-10	9.84E-09	6.91E-09	5.98E-09	1.78E-09	2.49E-08
497396.65, 3858722.63	0.00833	3.038E-05	1.05E-08	3.17E-08	2.51E-08	2.17E-08	9.76E-09	3.51E-10	8.48E-09	5.96E-09	5.16E-09	1.54E-09	2.15E-08
497496.65, 3858722.63	0.00873	3.184E-05	1.10E-08	3.33E-08	2.63E-08	2.27E-08	1.02E-08	3.68E-10	8.89E-09	6.25E-09	5.40E-09	1.61E-09	2.25E-08
497596.65, 3858722.63	0.00924	3.37E-05	1.17E-08	3.52E-08	2.78E-08	2.41E-08	1.08E-08	3.89E-10	9.41E-09	6.61E-09	5.72E-09	1.71E-09	2.38E-08
497696.65, 3858722.63	0.00971	3.541E-05	1.23E-08	3.70E-08	2.92E-08	2.53E-08	1.14E-08	4.09E-10	9.89E-09	6.95E-09	6.01E-09	1.79E-09	2.50E-08
497796.65, 3858722.63	0.01017	3.709E-05	1.28E-08	3.88E-08	3.06E-08	2.65E-08	1.19E-08	4.29E-10	1.04E-08	7.28E-09	6.29E-09	1.88E-09	2.62E-08
497896.65, 3858722.63	0.01069	3.898E-05	1.35E-08	4.07E-08	3.22E-08	2.78E-08	1.25E-08	4.51E-10	1.09E-08	7.65E-09	6.62E-09	1.98E-09	2.76E-08
497396.65, 3858822.63	0.00923	3.366E-05	1.17E-08	3.52E-08	2.78E-08	2.40E-08	1.08E-08	3.89E-10	9.40E-09	6.60E-09	5.71E-09	1.71E-09	2.38E-08
497496.65, 3858822.63	0.00966	3.523E-05	1.22E-08	3.68E-08	2.91E-08	2.52E-08	1.13E-08	4.07E-10	9.84E-09	6.91E-09	5.98E-09	1.78E-09	2.49E-08
497596.65, 3858822.63	0.01017	3.709E-05	1.28E-08	3.88E-08	3.06E-08	2.65E-08	1.19E-08	4.29E-10	1.04E-08	7.28E-09	6.29E-09	1.88E-09	2.62E-08
497696.65, 3858822.63	0.01078	3.931E-05	1.36E-08	4.11E-08	3.25E-08	2.81E-08	1.26E-08	4.54E-10	1.10E-08	7.71E-09	6.67E-09	1.99E-09	2.78E-08
497796.65, 3858822.63	0.01122	4.092E-05	1.42E-08	4.28E-08	3.38E-08	2.92E-08	1.31E-08	4.73E-10	1.14E-08	8.03E-09	6.94E-09	2.07E-09	2.89E-08
497896.65, 3858822.63	0.01197	4.365E-05	1.51E-08	4.56E-08	3.60E-08	3.12E-08	1.40E-08	5.05E-10	1.22E-08	8.56E-09	7.41E-09	2.21E-09	3.09E-08
497396.65, 3858922.63	0.01027	3.745E-05	1.30E-08	3.91E-08	3.09E-08	2.68E-08	1.20E-08	4.33E-10	1.05E-08	7.35E-09	6.36E-09	1.90E-09	2.65E-08
497496.65, 3858922.63	0.01087	3.964E-05	1.37E-08	4.14E-08	3.27E-08	2.83E-08	1.27E-08	4.58E-10	1.11E-08	7.78E-09	6.73E-09	2.01E-09	2.80E-08
497596.65, 3858922.63	0.01131	4.124E-05	1.43E-08	4.31E-08	3.41E-08	2.95E-08	1.32E-08	4.77E-10	1.15E-08	8.09E-09	7.00E-09	2.09E-09	2.92E-08
497696.65, 3858922.63	0.01193	4.35E-05	1.51E-08	4.55E-08	3.59E-08	3.11E-08	1.40E-08	5.03E-10	1.21E-08	8.53E-09	7.38E-09	2.20E-09	3.08E-08
497796.65, 3858922.63	0.01273	4.642E-05	1.61E-08	4.85E-08	3.83E-08	3.32E-08	1.49E-08	5.37E-10	1.30E-08	9.11E-09	7.88E-09	2.35E-09	3.28E-08
497896.65, 3858922.63	0.01343	4.897E-05	1.70E-08	5.12E-08	4.04E-08	3.50E-08	1.57E-08	5.66E-10	1.37E-08	9.61E-09	8.31E-09	2.48E-09	3.46E-08
497364.44, 3858201.52	0.00498	1.816E-05	6.29E-09	1.90E-08	1.50E-08	1.30E-08	5.83E-09	2.10E-10	5.07E-09	3.56E-09	3.08E-09	9.20E-10	1.28E-08
497414.44, 3858201.52	0.00504	1.838E-05	6.36E-09	1.92E-08	1.52E-08	1.31E-08	5.90E-09	2.12E-10	5.13E-09	3.61E-09	3.12E-09	9.31E-10	1.30E-08
497464.44, 3858201.52	0.00515	1.878E-05	6.50E-09	1.96E-08	1.55E-08	1.34E-08	6.03E-09	2.17E-10	5.24E-09	3.68E-09	3.19E-09	9.52E-10	1.33E-08
497514.44, 3858201.52	0.0053	1.933E-05	6.69E-09	2.02E-08	1.60E-08	1.38E-08	6.21E-09	2.23E-10	5.40E-09	3.79E-09	3.28E-09	9.79E-10	1.37E-08
497564.44, 3858201.52	0.0054	1.969E-05	6.82E-09	2.06E-08	1.63E-08	1.41E-08	6.33E-09	2.28E-10	5.50E-09	3.86E-09	3.34E-09	9.98E-10	1.39E-08
497614.44, 3858201.52	0.00552	2.013E-05	6.97E-09	2.10E-08	1.66E-08	1.44E-08	6.47E-09	2.33E-10	5.62E-09	3.95E-09	3.42E-09	1.02E-09	1.42E-08
497364.44, 3858251.52	0.00521	1.9E-05	6.58E-09	1.99E-08	1.57E-08	1.36E-08	6.10E-09	2.20E-10	5.30E-09	3.73E-09	3.22E-09	9.63E-10	1.34E-08
497414.44, 3858251.52	0.00533	1.944E-05	6.73E-09	2.03E-08	1.60E-08	1.39E-08	6.24E-09	2.25E-10	5.43E-09	3.81E-09	3.30E-09	9.85E-10	1.37E-08
497464.44, 3858251.52	0.00542	1.976E-05	6.84E-09	2.07E-08	1.63E-08	1.41E-08	6.35E-09	2.28E-10	5.52E-09	3.88E-09	3.35E-09	1.00E-09	1.40E-08
497514.44, 3858251.52	0.0055	2.006E-05	6.94E-09	2.10E-08	1.66E-08	1.43E-08	6.44E-09	2.32E-10	5.60E-09	3.93E-09	3.40E-09	1.02E-09	1.42E-08
497564.44, 3858251.52	0.00561	2.046E-05	7.08E-09	2.14E-08	1.69E-08	1.46E-08	6.57E-09	2.36E-10	5.71E-09	4.01E-09	3.47E-09	1.04E-09	1.45E-08
497614.44, 3858251.52	0.00573	2.09E-05	7.23E-09	2.18E-08	1.73E-08	1.49E-08	6.71E-09	2.42E-10	5.83E-09	4.10E-09	3.55E-09	1.06E-09	1.48E-08
497364.44, 3858301.52	0.00542	1.976E-05	6.84E-09	2.07E-08	1.63E-08	1.41E-08	6.35E-09	2.28E-10	5.52E-09	3.88E-09	3.35E-09	1.00E-09	1.40E-08
497414.44, 3858301.52	0.00556	2.028E-05	7.02E-09	2.12E-08	1.67E-08	1.45E-08	6.51E-09	2.34E-10	5.66E-09	3.98E-09	3.44E-09	1.03E-09	1.43E-08
497464.44, 3858301.52	0.00564	2.057E-05	7.12E-09	2.15E-08	1.70E-08	1.47E-08	6.61E-09	2.38E-10	5.74E-09	4.03E-09	3.49E-09	1.04E-09	1.45E-08
497514.44, 3858301.52	0.00574	2.093E-05	7.25E-09	2.19E-08	1.73E-08	1.50E-08	6.72E-09	2.42E-10	5.84E-09	4.11E-09	3.55E-09	1.06E-09	1.48E-08
497564.44, 3858301.52	0.00584	2.13E-05	7.37E-09	2.23E-08	1.76E-08	1.52E-08	6.84E-09	2.46E-10	5.95E-09	4.18E-09	3.61E-09	1.08E-09	1.51E-08
497614.44, 3858301.52	0.00596	2.173E-05	7.52E-09	2.27E-08	1.79E-08	1.55E-08	6.98E-09	2.51E-10	6.07E-09	4.26E-09	3.69E-09	1.10E-09	1.54E-08
497364.44, 3858351.52	0.00569	2.075E-05	7.18E-09	2.17E-08	1.71E-08	1.48E-08	6.67E-09	2.40E-10	5.79E-09	4.07E-09	3.52E-09	1.05E-09	1.47E-08
497414.44, 3858351.52	0.00578	2.108E-05	7.30E-09	2.20E-08	1.74E-08	1.51E-08	6.77E-09	2.44E-10	5.89E-09	4.13E-09	3.58E-09	1.07E-09	1.49E-08
497464.44, 3858351.52	0.00589	2.148E-05	7.44E-09	2.24E-08	1.77E-08	1.53E-08	6.90E-09	2.48E-10	6.00E-09	4.21E-09	3.65E-09	1.09E-09	1.52E-08
497514.44, 3858351.52	0.006	2.188E-05	7.57E-09	2.29E-08	1.81E-08	1.56E-08	7.03E-09	2.53E-10	6.11E-09	4.29E-09	3.71E-09	1.11E-09	1.55E-08
497564.44, 3858351.52	0.0061	2.224E-05	7.70E-09	2.33E-08	1.84E-08	1.59E-08	7.15E-09	2.57E-10	6.21E-09	4.36E-09	3.78E-09	1.13E-09	1.57E-08
497614.44, 3858351.52	0.00622	2.268E-05	7.85E-09	2.37E-08	1.87E-08	1.62E-08	7.29E-09	2.62E-10	6.33E-09	4.45E-09	3.85E-09	1.15E-09	1.60E-08
497364.44, 3858401.52	0.00587	2.141E-05	7.41E-09	2.24E-08	1.77E-08	1.53E-08	6.88E-09	2.47E-10	5.98E-09	4.20E-09	3.63E-09	1.08E-09	1.51E-08
497414.44, 3858401.52	0.00603	2.199E-05	7.61E-09	2.30E-08	1.82E-08	1.57E-08	7.06E-09	2.54E-10	6.14E-09	4.31E-09	3.73E-09	1.11E-09	1.56E-08
497464.44, 3858401.52	0.00614	2.239E-05	7.75E-09	2.34E-08	1.85E-08	1.60E-08	7.19E-09	2.59E-10	6.25E-09	4.39E-09	3.80E-09	1.13E-09	1.58E-08
497514.44, 3858401.52	0.00626	2.283E-05	7.90E-09	2.39E-08	1.88E-08	1.63E-08	7.33E-09	2.64E-10	6.37E-09	4.48E-09	3.87E-09	1.16E-09	1.61E-08
497564.44, 3858401.52	0.00643	2.345E-05	8.12E-09	2.45E-08	1.94E-08	1.68E-08	7.53E-09	2.71E-10	6.55E-09	4.60E-09	3.98E-09	1.19E-09	1.66E-08
497614.44, 3858401.52	0.00654	2.385E-05	8.26E-09	2.49E-08	1.97E-08	1.70E-08	7.66E-09	2.76E-10	6.66E-09	4.68E-09	4.05E-09	1.21E-09	1.69E-08
493478.11, 3860497.94	0.11291	0.0004117	1.43E-07	4.30E-07	3.40E-07	2.94E-07	1.32E-07	4.76E-09	1.15E-07	8.08E-08	6.99E-08	2.09E-08	2.91E-07
493528.11, 3860497.94	0.11557	0.0004214	1.46E-07	4.40E-07	3.48E-07	3.01E-07	1.35E-07	4.87E-09	1.18E-07	8.27E-08	7.15E-08	2.14E-08	2.98E-07
493478.11, 3860547.94	0.13422	0.0004895	1.69E-07	5.12E-07	4.04E-07	3.50E-07	1.57E-07	5.66E-09	1.37E-07	9.60E-08	8.31E-08	2.48E-08	3.46E-07
493528.11, 3860547.94	0.13835	0.0005045	1.75E-07	5.27E-07	4.17E-07	3.60E-07	1.62E-07	5.83E-09	1.41E-07	9.90E-08	8.56E-08	2.56E-08	3.57E-07
493478.11, 3860597.94	0.15997	0.0005834	2.02E-07	6.10E-07	4.82E-07	4.17E-07	1.87E-07	6.74E-09	1.63E-07	1.14E-07	9.90E-08	2.96E-08	4.13E-07
493528.11, 3860597.94	0.16497	0.0006016	2.08E-07	6.29E-07	4.97E-07	4.30E-07	1.93E-07	6.95E-09	1.68E-07	1.18E-07	1.02E-07	3.05E-08	4.26E-07
493561.88, 3860524.64	0.12826	0.0004677	1.62E-07	4.89E-07	3.86E-07	3.34E-07	1.50E-07	5.41E-09	1.31E-07	9.18E-08	7.94E-08	2.37E-08	3.31E-07
493591.88, 3860524.64	0.12792	0.0004665	1.61E-07	4.88E-07	3.85E-07	3.33E-07	1.50E-07	5.39E-09	1.30E-07	9.15E-08	7.92E-08	2.36E-08	3.30E-07
493561.88, 3860554.64	0.14325	0.0005224	1.81E-07	5.46E-07	4.31E-07	3.73E-07	1.68E-07	6.04E-09	1.46E-07	1.02E-07	8.87E-08	2.65E-08	3.70E-07
493591.88, 3860554.64	0.14139	0.0005156	1.78E-07	5.39E-07	4.26E-07	3.68E-07	1.66E-07	5.96E-09	1.44E-07	1.01E-07	8.75E-08	2.61E-08	3.65E-07
492880.5, 3860293.11	0.06024	0.0002197	7.60E-08	2.30E-07	1.81E-07	1.57E-07	7.06E-08	2.54E-09	6.13E-08	4.31E-08	3.73E-08	1.11E-08	1.55E-07
492930.5, 3860293.11	0.05924	0.000216	7.48E-08	2.26E-07	1.78E-07	1.54E-07	6.94E-08	2.50E-09	6.03E-08	4.24E-08	3.67E-08	1.09E-08	1.53E-07
492980.5, 3860293.11	0.05817	0.0002121	7.34E-08	2.22E-07	1.75E-07	1.52E-07	6.81E-08	2.45E-09	5.92E-08	4.16E-08	3.60E-08	1.07E-08	1.50E-07
493030.5, 3860293.11	0.04813	0.0001755	6.08E-08	1.83E-07	1.45E-07	1.25E-07	5.64E-08	2.03E-09	4.90E-08	3.44E-08	2.98E-08	8.89E-09	1.24E-07
493080.5, 3860293.11	0.04699	0.0001714	5.93E-08	1.79E-07	1.41E-07	1.22E-07	5.50E-08	1.98E-09	4.78E-08	3.36E-08	2.91E-08	8.68E-09	1.21E-07

493130.5, 3860293.11	0.05205	0.0001898	6.57E-08	1.98E-07	1.57E-07	1.36E-07	6.10E-08	2.19E-09	5.30E-08	3.72E-08	3.22E-08	9.62E-09	1.34E-07
493180.5, 3860293.11	0.05673	0.0002069	7.16E-08	2.16E-07	1.71E-07	1.48E-07	6.65E-08	2.39E-09	5.78E-08	4.06E-08	3.51E-08	1.05E-08	1.46E-07
493230.5, 3860293.11	0.05819	0.0002122	7.35E-08	2.22E-07	1.75E-07	1.52E-07	6.82E-08	2.45E-09	5.93E-08	4.16E-08	3.60E-08	1.08E-08	1.50E-07
493280.5, 3860293.11	0.05547	0.0002023	7.00E-08	2.11E-07	1.67E-07	1.45E-07	6.50E-08	2.34E-09	5.65E-08	3.97E-08	3.43E-08	1.02E-08	1.43E-07
493330.5, 3860293.11	0.05484	0.0002	6.92E-08	2.09E-07	1.65E-07	1.43E-07	6.42E-08	2.31E-09	5.58E-08	3.92E-08	3.39E-08	1.01E-08	1.41E-07
493380.5, 3860293.11	0.05511	0.000201	6.96E-08	2.10E-07	1.66E-07	1.44E-07	6.46E-08	2.32E-09	5.61E-08	3.94E-08	3.41E-08	1.02E-08	1.42E-07
492880.5, 3860343.11	0.06705	0.0002445	8.46E-08	2.56E-07	2.02E-07	1.75E-07	7.85E-08	2.83E-09	6.83E-08	4.80E-08	4.15E-08	1.24E-08	1.73E-07
492930.5, 3860343.11	0.06667	0.0002431	8.42E-08	2.54E-07	2.01E-07	1.74E-07	7.81E-08	2.81E-09	6.79E-08	4.77E-08	4.13E-08	1.23E-08	1.72E-07
492980.5, 3860343.11	0.05942	0.0002167	7.50E-08	2.26E-07	1.79E-07	1.55E-07	6.96E-08	2.50E-09	6.05E-08	4.25E-08	3.68E-08	1.10E-08	1.53E-07
493030.5, 3860343.11	0.05529	0.0002016	6.98E-08	2.11E-07	1.66E-07	1.44E-07	6.48E-08	2.33E-09	5.63E-08	3.96E-08	3.42E-08	1.02E-08	1.43E-07
493080.5, 3860343.11	0.05472	0.0001995	6.91E-08	2.09E-07	1.65E-07	1.43E-07	6.41E-08	2.31E-09	5.57E-08	3.91E-08	3.39E-08	1.01E-08	1.41E-07
493130.5, 3860343.11	0.05766	0.0002103	7.28E-08	2.20E-07	1.74E-07	1.50E-07	6.75E-08	2.43E-09	5.87E-08	4.12E-08	3.57E-08	1.07E-08	1.49E-07
493180.5, 3860343.11	0.06029	0.0002199	7.61E-08	2.30E-07	1.82E-07	1.57E-07	7.06E-08	2.54E-09	6.14E-08	4.31E-08	3.73E-08	1.11E-08	1.56E-07
493230.5, 3860343.11	0.06578	0.0002399	8.30E-08	2.51E-07	1.98E-07	1.71E-07	7.71E-08	2.77E-09	6.70E-08	4.71E-08	4.07E-08	1.22E-08	1.70E-07
493280.5, 3860343.11	0.06291	0.0002294	7.94E-08	2.40E-07	1.89E-07	1.64E-07	7.37E-08	2.65E-09	6.41E-08	4.50E-08	3.89E-08	1.16E-08	1.62E-07
493330.5, 3860343.11	0.06156	0.0002245	7.77E-08	2.35E-07	1.85E-07	1.60E-07	7.21E-08	2.59E-09	6.27E-08	4.40E-08	3.81E-08	1.14E-08	1.59E-07
493380.5, 3860343.11	0.06214	0.0002266	7.84E-08	2.37E-07	1.87E-07	1.62E-07	7.28E-08	2.62E-09	6.33E-08	4.45E-08	3.85E-08	1.15E-08	1.60E-07
492880.5, 3860393.11	0.07537	0.0002748	9.51E-08	2.87E-07	2.27E-07	1.96E-07	8.83E-08	3.18E-09	7.67E-08	5.39E-08	4.67E-08	1.39E-08	1.94E-07
492930.5, 3860393.11	0.07358	0.0002683	9.29E-08	2.80E-07	2.22E-07	1.92E-07	8.62E-08	3.10E-09	7.49E-08	5.26E-08	4.55E-08	1.36E-08	1.90E-07
492980.5, 3860393.11	0.06593	0.0002404	8.32E-08	2.51E-07	1.98E-07	1.72E-07	7.72E-08	2.78E-09	6.71E-08	4.72E-08	4.08E-08	1.22E-08	1.70E-07
493030.5, 3860393.11	0.06305	0.0002299	7.96E-08	2.40E-07	1.90E-07	1.64E-07	7.39E-08	2.66E-09	6.42E-08	4.51E-08	3.90E-08	1.16E-08	1.63E-07
493080.5, 3860393.11	0.0623	0.0002272	7.86E-08	2.37E-07	1.88E-07	1.62E-07	7.30E-08	2.63E-09	6.34E-08	4.46E-08	3.86E-08	1.15E-08	1.61E-07
493130.5, 3860393.11	0.06701	0.0002444	8.46E-08	2.55E-07	2.02E-07	1.75E-07	7.85E-08	2.82E-09	6.82E-08	4.79E-08	4.15E-08	1.24E-08	1.73E-07
493180.5, 3860393.11	0.07406	0.0002701	9.35E-08	2.82E-07	2.23E-07	1.93E-07	8.68E-08	3.12E-09	7.54E-08	5.30E-08	4.58E-08	1.37E-08	1.91E-07
493230.5, 3860393.11	0.07513	0.000274	9.48E-08	2.86E-07	2.26E-07	1.96E-07	8.80E-08	3.17E-09	7.65E-08	5.37E-08	4.65E-08	1.39E-08	1.94E-07
493280.5, 3860393.11	0.0719	0.0002622	9.08E-08	2.74E-07	2.16E-07	1.87E-07	8.42E-08	3.03E-09	7.32E-08	5.14E-08	4.45E-08	1.33E-08	1.85E-07
493330.5, 3860393.11	0.07057	0.0002573	8.91E-08	2.69E-07	2.12E-07	1.84E-07	8.27E-08	2.97E-09	7.19E-08	5.05E-08	4.37E-08	1.30E-08	1.82E-07
493380.5, 3860393.11	0.0709	0.0002585	8.95E-08	2.70E-07	2.13E-07	1.85E-07	8.31E-08	2.99E-09	7.22E-08	5.07E-08	4.39E-08	1.31E-08	1.83E-07
492880.5, 3860443.11	0.08385	0.0003058	1.06E-07	3.20E-07	2.52E-07	2.18E-07	9.82E-08	3.53E-09	8.54E-08	6.00E-08	5.19E-08	1.55E-08	2.16E-07
492930.5, 3860443.11	0.08512	0.0003104	1.07E-07	3.24E-07	2.56E-07	2.22E-07	9.97E-08	3.59E-09	8.67E-08	6.09E-08	5.27E-08	1.57E-08	2.20E-07
492980.5, 3860443.11	0.07901	0.0002881	9.97E-08	3.01E-07	2.38E-07	2.06E-07	9.26E-08	3.33E-09	8.04E-08	5.65E-08	4.89E-08	1.46E-08	2.04E-07
493030.5, 3860443.11	0.07799	0.0002844	9.85E-08	2.97E-07	2.35E-07	2.03E-07	9.14E-08	3.29E-09	7.94E-08	5.58E-08	4.83E-08	1.44E-08	2.01E-07
493080.5, 3860443.11	0.07481	0.0002728	9.44E-08	2.85E-07	2.25E-07	1.95E-07	8.76E-08	3.15E-09	7.62E-08	5.35E-08	4.63E-08	1.38E-08	1.93E-07
493130.5, 3860443.11	0.07541	0.000275	9.52E-08	2.87E-07	2.27E-07	1.96E-07	8.83E-08	3.18E-09	7.68E-08	5.39E-08	4.67E-08	1.39E-08	1.95E-07
493180.5, 3860443.11	0.0886	0.0003231	1.12E-07	3.38E-07	2.67E-07	2.31E-07	1.04E-07	3.73E-09	9.02E-08	6.34E-08	5.48E-08	1.64E-08	2.29E-07
493230.5, 3860443.11	0.08495	0.0003098	1.07E-07	3.24E-07	2.56E-07	2.21E-07	9.95E-08	3.58E-09	8.65E-08	6.08E-08	5.26E-08	1.57E-08	2.19E-07
493280.5, 3860443.11	0.08425	0.0003072	1.06E-07	3.21E-07	2.54E-07	2.19E-07	9.87E-08	3.55E-09	8.58E-08	6.03E-08	5.21E-08	1.56E-08	2.17E-07
493330.5, 3860443.11	0.08123	0.0002962	1.03E-07	3.10E-07	2.45E-07	2.12E-07	9.52E-08	3.42E-09	8.27E-08	5.81E-08	5.03E-08	1.50E-08	2.10E-07
493380.5, 3860443.11	0.08376	0.0003054	1.06E-07	3.19E-07	2.52E-07	2.18E-07	9.81E-08	3.53E-09	8.53E-08	5.99E-08	5.18E-08	1.55E-08	2.16E-07
493180.5, 3860493.11	0.10035	0.0003659	1.27E-07	3.82E-07	3.02E-07	2.61E-07	1.18E-07	4.23E-09	1.02E-07	7.18E-08	6.21E-08	1.85E-08	2.59E-07
493230.5, 3860493.11	0.09953	0.000363	1.26E-07	3.79E-07	3.00E-07	2.59E-07	1.17E-07	4.20E-09	1.01E-07	7.12E-08	6.16E-08	1.84E-08	2.57E-07
493280.5, 3860493.11	0.09819	0.0003581	1.24E-07	3.74E-07	2.96E-07	2.56E-07	1.15E-07	4.14E-09	1.00E-07	7.02E-08	6.08E-08	1.81E-08	2.53E-07
493330.5, 3860493.11	0.09837	0.0003587	1.24E-07	3.75E-07	2.96E-07	2.56E-07	1.15E-07	4.15E-09	1.00E-07	7.04E-08	6.09E-08	1.82E-08	2.54E-07
493380.5, 3860493.11	0.10197	0.0003719	1.29E-07	3.89E-07	3.07E-07	2.66E-07	1.19E-07	4.30E-09	1.04E-07	7.29E-08	6.31E-08	1.88E-08	2.63E-07
493330.5, 3860543.11	0.11667	0.0004255	1.47E-07	4.45E-07	3.51E-07	3.04E-07	1.37E-07	4.92E-09	1.19E-07	8.35E-08	7.22E-08	2.16E-08	3.01E-07
493380.5, 3860543.11	0.12171	0.0004438	1.54E-07	4.64E-07	3.66E-07	3.17E-07	1.43E-07	5.13E-09	1.24E-07	8.71E-08	7.53E-08	2.25E-08	3.14E-07
494135.94, 3860876.85	0.42597	0.0015534	5.38E-07	1.62E-06	1.28E-06	1.11E-06	4.99E-07	1.80E-08	4.34E-07	3.05E-07	2.64E-07	7.87E-08	1.10E-06
494185.94, 3860876.85	0.42169	0.0015378	5.32E-07	1.61E-06	1.27E-06	1.10E-06	4.94E-07	1.78E-08	4.29E-07	3.02E-07	2.61E-07	7.79E-08	1.09E-06
494135.94, 3860926.85	0.51668	0.0018842	6.52E-07	1.97E-06	1.56E-06	1.35E-06	6.05E-07	2.18E-08	5.26E-07	3.70E-07	3.20E-07	9.55E-08	1.33E-06
494185.94, 3860926.85	0.50581	0.0018445	6.39E-07	1.93E-06	1.52E-06	1.32E-06	5.93E-07	2.13E-08	5.15E-07	3.62E-07	3.13E-07	9.35E-08	1.30E-06
494135.94, 3860976.85	0.62279	0.0022711	7.86E-07	2.37E-06	1.88E-06	1.62E-06	7.30E-07	2.63E-08	6.34E-07	4.46E-07	3.85E-07	1.15E-07	1.61E-06
494185.94, 3860976.85	0.60622	0.0022107	7.65E-07	2.31E-06	1.83E-06	1.58E-06	7.10E-07	2.56E-08	6.17E-07	4.34E-07	3.75E-07	1.12E-07	1.56E-06
494135.94, 3861026.85	0.76018	0.0027721	9.60E-07	2.90E-06	2.29E-06	1.98E-06	8.90E-07	3.20E-08	7.74E-07	5.44E-07	4.71E-07	1.40E-07	1.96E-06
494185.94, 3861026.85	0.7334	0.0026745	9.26E-07	2.80E-06	2.21E-06	1.91E-06	8.59E-07	3.09E-08	7.47E-07	5.25E-07	4.54E-07	1.36E-07	1.89E-06
494135.94, 3861076.85	0.92965	0.0033901	1.17E-06	3.54E-06	2.80E-06	2.42E-06	1.09E-06	3.92E-08	9.47E-07	6.65E-07	5.75E-07	1.72E-07	2.40E-06
494185.94, 3861076.85	0.89431	0.0032612	1.13E-06	3.41E-06	2.69E-06	2.33E-06	1.05E-06	3.77E-08	9.11E-07	6.40E-07	5.54E-07	1.65E-07	2.31E-06
490360.04, 3858710.04	0.01589	5.795E-05	2.01E-08	6.06E-08	4.78E-08	4.14E-08	1.86E-08	6.70E-10	1.62E-08	1.14E-08	9.84E-09	2.94E-09	4.10E-08
490410.04, 3858710.04	0.01548	5.645E-05	1.95E-08	5.90E-08	4.66E-08	4.03E-08	1.81E-08	6.53E-10	1.58E-08	1.11E-08	9.58E-09	2.86E-09	3.99E-08
490460.04, 3858710.04	0.01477	5.386E-05	1.86E-08	5.63E-08	4.45E-08	3.85E-08	1.73E-08	6.23E-10	1.50E-08	1.06E-08	9.14E-09	2.73E-09	3.81E-08
490510.04, 3858710.04	0.01441	5.255E-05	1.82E-08	5.49E-08	4.34E-08	3.75E-08	1.69E-08	6.07E-10	1.47E-08	1.03E-08	8.92E-09	2.66E-09	3.72E-08
490560.04, 3858710.04	0.01415	5.16E-05	1.79E-08	5.39E-08	4.26E-08	3.69E-08	1.66E-08	5.96E-10	1.44E-08	1.01E-08	8.76E-09	2.61E-09	3.65E-08
490610.04, 3858710.04	0.01385	5.051E-05	1.75E-08	5.28E-08	4.17E-08	3.61E-08	1.62E-08	5.84E-10	1.41E-08	9.91E-09	8.57E-09	2.56E-09	3.57E-08
490660.04, 3858710.04	0.01381	5.036E-05	1.74E-08	5.26E-08	4.16E-08	3.60E-08	1.62E-08	5.82E-10	1.41E-08	9.88E-09	8.55E-09	2.55E-09	3.56E-08
490710.04, 3858710.04	0.01342	4.894E-05	1.69E-08	5.12E-08	4.04E-08	3.50E-08	1.57E-08	5.66E-10	1.37E-08	9.60E-09	8.31E-09	2.48E-09	3.46E-08
490760.04, 3858710.04	0.01315	4.795E-05	1.66E-08	5.01E-08	3.96E-08	3.43E-08	1.54E-08	5.54E-10	1.34E-08	9.41E-09	8.14E-09	2.43E-09	3.39E-08
490810.04, 3858710.04	0.01293	4.715E-05	1.63E-08	4.93E-08	3.89E-08	3.37E-08	1.51E-08	5.45E-10	1.32E-08	9.25E-09	8.00E-09	2.39E-09	3.34E-08
490860.04, 3858710.04	0.0126	4.595E-05	1.59E-08	4.80E-08	3.79E-08	3.28E-08	1.48E-08	5.31E-10	1.28E-08	9.01E-09	7.80E-09	2.33E-09	3.25E-08
490360.04, 3858760.04	0.01604	5.849E-05	2.02E-08	6.11E-08	4.83E-08	4.18E-08	1.88E-08	6.76E-10	1.63E-08	1.15E-08	9.93E-09	2.96E-09	4.14E-08
490410.04, 3858760.04	0.0156	5.689E-05	1.97E-08	5.95E-08	4.70E-08	4.06E-08	1.83E-08	6.58E-10	1.59E-08	1.12E-08	9.66E-09	2.88E-09	4.02E-08
490460.04, 3858760.04	0.01507	5.496E-05	1.90E-08	5.74E-08	4.54E-08	3.93E-08	1.77E-08	6.35E-10	1.53E-08	1.08E-08	9.33E-09	2.78E-09	3.89E-08
490510.04, 3858760.04	0.01453	5.299E-05	1.83E-08	5.54E-08	4.37E-08	3.79E-08	1.70E-08	6.12E-10	1.48E-08	1.04E-08	8.99E-09	2.68E-09	3.75E-08
490560.04, 3858760.04	0.01419	5.175E-05	1.79E-08	5.41E-08	4.27E-08	3.70E-08	1.66E-08	5.98E-10	1.44E-08	1.02E-08	8.78E-09	2.62E-09	3.66E-08
490610.04, 3858760.04	0.0138	5.032E-05	1.74E-08	5.26E-08	4.15E-08	3.60E-08	1.62E-08	5.82E-10	1.41E-08	9.87E-09	8.54E-09	2.55E-09	3.56E-08
490660.04, 3858760.04	0.01349	4.919E-05	1.70E-08	5.14E-08	4.06E-08	3.51E-08	1.58E-08	5.69E-10	1.37E-08	9.65E-09	8.35E-09	2.49E-09	3.48E-08
490710.04, 3858760.04	0.01318	4.806E-05	1.66E-08	5.02E-08	3.97E-08	3.43E-08	1.54E-08	5.56E-10	1.34E-08	9.43E-09	8.16E-09	2.44E-09	3.40E-08
490760.04, 3858760.04	0.01281	4.671E-05	1.62E-08	4.88E-08	3.86E-08	3.34E-08	1.50E-08	5.40E-10	1.30E-08	9.16E-09	7.93E-09	2.37E-09	3.30E-08
490810.04, 3858760.04	0.01252	4.566E-05	1.58E-08	4.77E-08	3.77E-08	3.26E-08	1.47E-08	5.28E-10	1.27E-08	8.96E-09	7.75E-09	2.31E-09	3.23E-08
490860.04, 3858760.04	0.01234	4.5E-05	1.56E-08	4.70E-08	3.72E-08	3.21E-08	1.45E-08	5.20E-10	1.26E-08	8.83E-09	7.64E-09	2.28E-09	3.18E-08
490360.04, 3858810.04	0.01589	5.795E-05	2.01E-08	6.06E-08	4.78E-08	4.14E-08	1.86E-08	6.70E-10	1.62E-08	1.14E-08	9.84E-09	2.94E-09	4.10E-08
490410.04, 3858810.04	0.01546	5.638E-05	1.95E-08	5.89E-08	4.65E-08	4.03E-08	1.81E-08	6.52E-10	1.57E-08	1.11E-08	9.57E-09	2.86E-09	3.99E-08

490460.04, 3858810.04	0.01501	5.474E-05	1.89E-08	5.72E-08	4.52E-08	3.91E-08	1.76E-08	6.33E-10	1.53E-08	1.07E-08	9.29E-09	2.77E-09	3.87E-08
490510.04, 3858810.04	0.01475	5.379E-05	1.86E-08	5.62E-08	4.44E-08	3.84E-08	1.73E-08	6.22E-10	1.50E-08	1.06E-08	9.13E-09	2.73E-09	3.80E-08
490560.04, 3858810.04	0.01442	5.258E-05	1.82E-08	5.50E-08	4.34E-08	3.76E-08	1.69E-08	6.08E-10	1.47E-08	1.03E-08	8.93E-09	2.66E-09	3.72E-08
490610.04, 3858810.04	0.0139	5.069E-05	1.75E-08	5.30E-08	4.18E-08	3.62E-08	1.63E-08	5.86E-10	1.42E-08	9.94E-09	8.60E-09	2.57E-09	3.59E-08
490660.04, 3858810.04	0.01352	4.93E-05	1.71E-08	5.15E-08	4.07E-08	3.52E-08	1.58E-08	5.70E-10	1.38E-08	9.67E-09	8.37E-09	2.50E-09	3.49E-08
490710.04, 3858810.04	0.0131	4.777E-05	1.65E-08	4.99E-08	3.94E-08	3.41E-08	1.53E-08	5.52E-10	1.33E-08	9.37E-09	8.11E-09	2.42E-09	3.38E-08
490760.04, 3858810.04	0.01256	4.58E-05	1.59E-08	4.79E-08	3.78E-08	3.27E-08	1.47E-08	5.29E-10	1.28E-08	8.98E-09	7.77E-09	2.32E-09	3.24E-08
490810.04, 3858810.04	0.01245	4.54E-05	1.57E-08	4.75E-08	3.75E-08	3.24E-08	1.46E-08	5.25E-10	1.27E-08	8.91E-09	7.71E-09	2.30E-09	3.21E-08
490860.04, 3858810.04	0.01212	4.42E-05	1.53E-08	4.62E-08	3.65E-08	3.16E-08	1.42E-08	5.11E-10	1.23E-08	8.67E-09	7.50E-09	2.24E-09	3.13E-08
490360.04, 3858860.04	0.01548	5.645E-05	1.95E-08	5.90E-08	4.66E-08	4.03E-08	1.81E-08	6.53E-10	1.58E-08	1.11E-08	9.58E-09	2.86E-09	3.99E-08
490410.04, 3858860.04	0.01546	5.638E-05	1.95E-08	5.89E-08	4.65E-08	4.03E-08	1.81E-08	6.52E-10	1.57E-08	1.11E-08	9.57E-09	2.86E-09	3.99E-08
490460.04, 3858860.04	0.01496	5.455E-05	1.89E-08	5.70E-08	4.50E-08	3.90E-08	1.75E-08	6.31E-10	1.52E-08	1.07E-08	9.26E-09	2.76E-09	3.86E-08
490510.04, 3858860.04	0.01492	5.441E-05	1.88E-08	5.69E-08	4.49E-08	3.89E-08	1.75E-08	6.29E-10	1.52E-08	1.07E-08	9.24E-09	2.76E-09	3.85E-08
490560.04, 3858860.04	0.0145	5.288E-05	1.83E-08	5.53E-08	4.37E-08	3.78E-08	1.70E-08	6.11E-10	1.48E-08	1.04E-08	8.98E-09	2.68E-09	3.74E-08
490610.04, 3858860.04	0.01384	5.047E-05	1.75E-08	5.28E-08	4.17E-08	3.61E-08	1.62E-08	5.83E-10	1.41E-08	9.90E-09	8.57E-09	2.56E-09	3.57E-08
490660.04, 3858860.04	0.01351	4.927E-05	1.71E-08	5.15E-08	4.07E-08	3.52E-08	1.58E-08	5.69E-10	1.38E-08	9.66E-09	8.36E-09	2.50E-09	3.48E-08
490710.04, 3858860.04	0.01329	4.846E-05	1.68E-08	5.07E-08	4.00E-08	3.46E-08	1.56E-08	5.60E-10	1.35E-08	9.51E-09	8.23E-09	2.46E-09	3.43E-08
490760.04, 3858860.04	0.01276	4.653E-05	1.61E-08	4.86E-08	3.84E-08	3.32E-08	1.49E-08	5.38E-10	1.30E-08	9.13E-09	7.90E-09	2.36E-09	3.29E-08
490810.04, 3858860.04	0.01232	4.493E-05	1.56E-08	4.70E-08	3.71E-08	3.21E-08	1.44E-08	5.19E-10	1.25E-08	8.81E-09	7.63E-09	2.28E-09	3.18E-08
490860.04, 3858860.04	0.0119	4.34E-05	1.50E-08	4.54E-08	3.58E-08	3.10E-08	1.39E-08	5.02E-10	1.21E-08	8.51E-09	7.37E-09	2.20E-09	3.07E-08
490360.04, 3858910.04	0.01581	5.765E-05	2.00E-08	6.03E-08	4.76E-08	4.12E-08	1.85E-08	6.66E-10	1.61E-08	1.13E-08	9.79E-09	2.92E-09	4.08E-08
490410.04, 3858910.04	0.01553	5.663E-05	1.96E-08	5.92E-08	4.68E-08	4.05E-08	1.82E-08	6.55E-10	1.58E-08	1.11E-08	9.61E-09	2.87E-09	4.01E-08
490460.04, 3858910.04	0.01519	5.539E-05	1.92E-08	5.79E-08	4.57E-08	3.96E-08	1.78E-08	6.40E-10	1.55E-08	1.09E-08	9.40E-09	2.81E-09	3.92E-08
490510.04, 3858910.04	0.01479	5.393E-05	1.87E-08	5.64E-08	4.45E-08	3.85E-08	1.73E-08	6.23E-10	1.51E-08	1.06E-08	9.15E-09	2.73E-09	3.82E-08
490560.04, 3858910.04	0.01434	5.229E-05	1.81E-08	5.47E-08	4.32E-08	3.74E-08	1.68E-08	6.04E-10	1.46E-08	1.03E-08	8.88E-09	2.65E-09	3.70E-08
490610.04, 3858910.04	0.01386	5.054E-05	1.75E-08	5.28E-08	4.17E-08	3.61E-08	1.62E-08	5.84E-10	1.41E-08	9.91E-09	8.58E-09	2.56E-09	3.58E-08
490660.04, 3858910.04	0.01353	4.934E-05	1.71E-08	5.16E-08	4.07E-08	3.52E-08	1.58E-08	5.70E-10	1.38E-08	9.68E-09	8.37E-09	2.50E-09	3.49E-08
490710.04, 3858910.04	0.0131	4.777E-05	1.65E-08	4.99E-08	3.94E-08	3.41E-08	1.53E-08	5.52E-10	1.33E-08	9.37E-09	8.11E-09	2.42E-09	3.38E-08
490760.04, 3858910.04	0.01257	4.584E-05	1.59E-08	4.79E-08	3.78E-08	3.27E-08	1.47E-08	5.30E-10	1.28E-08	8.99E-09	7.78E-09	2.32E-09	3.24E-08
490810.04, 3858910.04	0.01225	4.467E-05	1.55E-08	4.67E-08	3.69E-08	3.19E-08	1.44E-08	5.16E-10	1.25E-08	8.76E-09	7.58E-09	2.26E-09	3.16E-08
490860.04, 3858910.04	0.01177	4.292E-05	1.49E-08	4.49E-08	3.54E-08	3.07E-08	1.38E-08	4.96E-10	1.20E-08	8.42E-09	7.29E-09	2.17E-09	3.04E-08
490360.04, 3858960.04	0.01569	5.722E-05	1.98E-08	5.98E-08	4.72E-08	4.09E-08	1.84E-08	6.61E-10	1.60E-08	1.12E-08	9.71E-09	2.90E-09	4.05E-08
490410.04, 3858960.04	0.01528	5.572E-05	1.93E-08	5.82E-08	4.60E-08	3.98E-08	1.79E-08	6.44E-10	1.56E-08	1.09E-08	9.46E-09	2.82E-09	3.94E-08
490460.04, 3858960.04	0.01484	5.412E-05	1.87E-08	5.66E-08	4.47E-08	3.87E-08	1.74E-08	6.26E-10	1.51E-08	1.06E-08	9.19E-09	2.74E-09	3.83E-08
490510.04, 3858960.04	0.01452	5.295E-05	1.83E-08	5.53E-08	4.37E-08	3.78E-08	1.70E-08	6.12E-10	1.48E-08	1.04E-08	8.99E-09	2.68E-09	3.75E-08
490560.04, 3858960.04	0.01418	5.171E-05	1.79E-08	5.40E-08	4.27E-08	3.69E-08	1.66E-08	5.98E-10	1.44E-08	1.01E-08	8.78E-09	2.62E-09	3.66E-08
490610.04, 3858960.04	0.01364	4.974E-05	1.72E-08	5.20E-08	4.11E-08	3.55E-08	1.60E-08	5.75E-10	1.39E-08	9.76E-09	8.44E-09	2.52E-09	3.52E-08
490660.04, 3858960.04	0.01354	4.938E-05	1.71E-08	5.16E-08	4.08E-08	3.53E-08	1.59E-08	5.71E-10	1.38E-08	9.69E-09	8.38E-09	2.50E-09	3.49E-08
490710.04, 3858960.04	0.01301	4.744E-05	1.64E-08	4.96E-08	3.92E-08	3.39E-08	1.52E-08	5.48E-10	1.32E-08	9.31E-09	8.05E-09	2.40E-09	3.36E-08
490760.04, 3858960.04	0.01259	4.591E-05	1.59E-08	4.80E-08	3.79E-08	3.28E-08	1.47E-08	5.31E-10	1.28E-08	9.01E-09	7.79E-09	2.33E-09	3.25E-08
490810.04, 3858960.04	0.01217	4.438E-05	1.54E-08	4.64E-08	3.66E-08	3.17E-08	1.43E-08	5.13E-10	1.24E-08	8.71E-09	7.53E-09	2.25E-09	3.14E-08
490860.04, 3858960.04	0.01166	4.252E-05	1.47E-08	4.44E-08	3.51E-08	3.04E-08	1.37E-08	4.92E-10	1.19E-08	8.34E-09	7.22E-09	2.15E-09	3.01E-08
490360.04, 3859010.04	0.01562	5.696E-05	1.97E-08	5.95E-08	4.70E-08	4.07E-08	1.83E-08	6.58E-10	1.59E-08	1.12E-08	9.67E-09	2.89E-09	4.03E-08
490410.04, 3859010.04	0.01511	5.51E-05	1.91E-08	5.76E-08	4.55E-08	3.94E-08	1.77E-08	6.37E-10	1.54E-08	1.08E-08	9.35E-09	2.79E-09	3.90E-08
490460.04, 3859010.04	0.0145	5.288E-05	1.83E-08	5.53E-08	4.37E-08	3.78E-08	1.70E-08	6.11E-10	1.48E-08	1.04E-08	8.98E-09	2.68E-09	3.74E-08
490510.04, 3859010.04	0.01397	5.094E-05	1.76E-08	5.32E-08	4.21E-08	3.64E-08	1.64E-08	5.89E-10	1.42E-08	9.99E-09	8.65E-09	2.58E-09	3.60E-08
490560.04, 3859010.04	0.01386	5.054E-05	1.75E-08	5.28E-08	4.17E-08	3.61E-08	1.62E-08	5.84E-10	1.41E-08	9.91E-09	8.58E-09	2.56E-09	3.58E-08
490610.04, 3859010.04	0.01339	4.883E-05	1.69E-08	5.10E-08	4.03E-08	3.49E-08	1.57E-08	5.64E-10	1.36E-08	9.58E-09	8.29E-09	2.47E-09	3.45E-08
490660.04, 3859010.04	0.01335	4.868E-05	1.69E-08	5.09E-08	4.02E-08	3.48E-08	1.56E-08	5.63E-10	1.36E-08	9.55E-09	8.26E-09	2.47E-09	3.44E-08
490710.04, 3859010.04	0.01284	4.682E-05	1.62E-08	4.89E-08	3.87E-08	3.34E-08	1.50E-08	5.41E-10	1.31E-08	9.19E-09	7.95E-09	2.37E-09	3.31E-08
490760.04, 3859010.04	0.01243	4.533E-05	1.57E-08	4.74E-08	3.74E-08	3.24E-08	1.46E-08	5.24E-10	1.27E-08	8.89E-09	7.69E-09	2.30E-09	3.21E-08
490810.04, 3859010.04	0.01201	4.38E-05	1.52E-08	4.58E-08	3.62E-08	3.13E-08	1.41E-08	5.06E-10	1.22E-08	8.59E-09	7.43E-09	2.22E-09	3.10E-08
490860.04, 3859010.04	0.01164	4.245E-05	1.47E-08	4.44E-08	3.50E-08	3.03E-08	1.36E-08	4.91E-10	1.19E-08	8.33E-09	7.20E-09	2.15E-09	3.00E-08
490360.04, 3859060.04	0.01547	5.641E-05	1.95E-08	5.90E-08	4.66E-08	4.03E-08	1.81E-08	6.52E-10	1.58E-08	1.11E-08	9.58E-09	2.86E-09	3.99E-08
490410.04, 3859060.04	0.01468	5.353E-05	1.85E-08	5.60E-08	4.42E-08	3.82E-08	1.72E-08	6.19E-10	1.49E-08	1.05E-08	9.09E-09	2.71E-09	3.79E-08
490460.04, 3859060.04	0.01419	5.175E-05	1.79E-08	5.41E-08	4.27E-08	3.70E-08	1.66E-08	5.98E-10	1.44E-08	1.02E-08	8.78E-09	2.62E-09	3.66E-08
490510.04, 3859060.04	0.01383	5.043E-05	1.75E-08	5.27E-08	4.16E-08	3.60E-08	1.62E-08	5.83E-10	1.41E-08	9.89E-09	8.56E-09	2.56E-09	3.57E-08
490560.04, 3859060.04	0.01336	4.872E-05	1.69E-08	5.09E-08	4.02E-08	3.48E-08	1.57E-08	5.63E-10	1.36E-08	9.56E-09	8.27E-09	2.47E-09	3.45E-08
490610.04, 3859060.04	0.01317	4.803E-05	1.66E-08	5.02E-08	3.97E-08	3.43E-08	1.54E-08	5.55E-10	1.34E-08	9.42E-09	8.15E-09	2.43E-09	3.40E-08
490660.04, 3859060.04	0.01302	4.748E-05	1.64E-08	4.96E-08	3.92E-08	3.39E-08	1.53E-08	5.49E-10	1.33E-08	9.31E-09	8.06E-09	2.41E-09	3.36E-08
490710.04, 3859060.04	0.01256	4.58E-05	1.59E-08	4.79E-08	3.78E-08	3.27E-08	1.47E-08	5.29E-10	1.28E-08	8.98E-09	7.77E-09	2.32E-09	3.24E-08
490760.04, 3859060.04	0.01219	4.445E-05	1.54E-08	4.65E-08	3.67E-08	3.18E-08	1.43E-08	5.14E-10	1.24E-08	8.72E-09	7.55E-09	2.25E-09	3.14E-08
490810.04, 3859060.04	0.0118	4.303E-05	1.49E-08	4.50E-08	3.55E-08	3.07E-08	1.38E-08	4.97E-10	1.20E-08	8.44E-09	7.30E-09	2.18E-09	3.04E-08
490860.04, 3859060.04	0.01146	4.179E-05	1.45E-08	4.37E-08	3.45E-08	2.99E-08	1.34E-08	4.83E-10	1.17E-08	8.20E-09	7.09E-09	2.12E-09	2.96E-08
490360.04, 3859110.04	0.0156	5.689E-05	1.97E-08	5.95E-08	4.70E-08	4.06E-08	1.83E-08	6.58E-10	1.59E-08	1.12E-08	9.66E-09	2.88E-09	4.02E-08
490410.04, 3859110.04	0.01478	5.39E-05	1.87E-08	5.63E-08	4.45E-08	3.85E-08	1.73E-08	6.23E-10	1.50E-08	1.06E-08	9.15E-09	2.73E-09	3.81E-08
490460.04, 3859110.04	0.01439	5.248E-05	1.82E-08	5.48E-08	4.33E-08	3.75E-08	1.69E-08	6.07E-10	1.47E-08	1.03E-08	8.91E-09	2.66E-09	3.71E-08
490510.04, 3859110.04	0.01352	4.93E-05	1.71E-08	5.15E-08	4.07E-08	3.52E-08	1.58E-08	5.70E-10	1.38E-08	9.67E-09	8.37E-09	2.50E-09	3.49E-08
490560.04, 3859110.04	0.01316	4.799E-05	1.66E-08	5.02E-08	3.96E-08	3.43E-08	1.54E-08	5.55E-10	1.34E-08	9.41E-09	8.15E-09	2.43E-09	3.39E-08
490610.04, 3859110.04	0.01277	4.657E-05	1.61E-08	4.87E-08	3.84E-08	3.33E-08	1.50E-08	5.38E-10	1.30E-08	9.14E-09	7.90E-09	2.36E-09	3.29E-08
490660.04, 3859110.04	0.01232	4.493E-05	1.56E-08	4.70E-08	3.71E-08	3.21E-08	1.44E-08	5.19E-10	1.25E-08	8.81E-09	7.63E-09	2.28E-09	3.18E-08
490710.04, 3859110.04	0.01217	4.438E-05	1.54E-08	4.64E-08	3.66E-08	3.17E-08	1.43E-08	5.13E-10	1.24E-08	8.71E-09	7.53E-09	2.25E-09	3.14E-08
490760.04, 3859110.04	0.01188	4.332E-05	1.50E-08	4.53E-08	3.58E-08	3.09E-08	1.39E-08	5.01E-10	1.21E-08	8.50E-09	7.35E-09	2.20E-09	3.06E-08
490810.04, 3859110.04	0.0115	4.194E-05	1.45E-08	4.38E-08	3.46E-08	3.00E-08	1.35E-08	4.85E-10	1.17E-08	8.23E-09	7.12E-09	2.12E-09	2.97E-08
490860.04, 3859110.04	0.01114	4.062E-05	1.41E-08	4.25E-08	3.35E-08	2.90E-08	1.30E-08	4.70E-10	1.13E-08	7.97E-09	6.90E-09	2.06E-09	2.87E-08
490360.04, 3859160.04	0.01589	5.795E-05	2.01E-08	6.06E-08	4.78E-08	4.14E-08	1.86E-08	6.70E-10	1.62E-08	1.14E-08	9.84E-09	2.94E-09	4.10E-08
490410.04, 3859160.04	0.01508	5.499E-05	1.90E-08	5.75E-08	4.54E-08	3.93E-08	1.77E-08	6.36E-10	1.54E-08	1.08E-08	9.33E-09	2.79E-09	3.89E-08
490460.04, 3859160.04	0.01448	5.28E-05	1.83E-08	5.52E-08	4.36E-08	3.77E-08	1.70E-08	6.10E-10	1.47E-08	1.04E-08	8.96E-09	2.68E-09	3.74E-08
490510.04, 3859160.04	0.01389	5.065E-05	1.75E-08	5.29E-08	4.18E-08	3.62E-08	1.63E-08	5.86E-10	1.41E-08	9.94E-09	8.60E-09	2.57E-09	3.58E-08
490560.04, 3859160.04	0.01319	4.81E-05	1.67E-08	5.03E-08	3.97E-08	3.44E-08	1.55E-08	5.56E-10	1.34E-08	9.44E-09	8.16E-09	2.44E-09	3.40E-08

490610.04, 3859160.04	0.01287	4.693E-05	1.62E-08	4.91E-08	3.87E-08	3.35E-08	1.51E-08	5.43E-10	1.31E-08	9.21E-09	7.97E-09	2.38E-09	3.32E-08
490660.04, 3859160.04	0.01203	4.387E-05	1.52E-08	4.59E-08	3.62E-08	3.13E-08	1.41E-08	5.07E-10	1.22E-08	8.61E-09	7.45E-09	2.22E-09	3.10E-08
490710.04, 3859160.04	0.01185	4.321E-05	1.50E-08	4.52E-08	3.57E-08	3.09E-08	1.39E-08	5.00E-10	1.21E-08	8.48E-09	7.33E-09	2.19E-09	3.06E-08
490760.04, 3859160.04	0.01136	4.143E-05	1.43E-08	4.33E-08	3.42E-08	2.96E-08	1.33E-08	4.79E-10	1.16E-08	8.13E-09	7.03E-09	2.10E-09	2.93E-08
490810.04, 3859160.04	0.01119	4.081E-05	1.41E-08	4.27E-08	3.37E-08	2.92E-08	1.31E-08	4.72E-10	1.14E-08	8.00E-09	6.93E-09	2.07E-09	2.89E-08
490860.04, 3859160.04	0.01098	4.004E-05	1.39E-08	4.19E-08	3.31E-08	2.86E-08	1.29E-08	4.63E-10	1.12E-08	7.85E-09	6.80E-09	2.03E-09	2.83E-08
490360.04, 3859210.04	0.0162	5.908E-05	2.05E-08	6.17E-08	4.88E-08	4.22E-08	1.90E-08	6.83E-10	1.65E-08	1.16E-08	1.00E-08	2.99E-09	4.18E-08
490410.04, 3859210.04	0.01584	5.776E-05	2.00E-08	6.04E-08	4.77E-08	4.13E-08	1.86E-08	6.68E-10	1.61E-08	1.13E-08	9.80E-09	2.93E-09	4.09E-08
490460.04, 3859210.04	0.01433	5.226E-05	1.81E-08	5.46E-08	4.31E-08	3.73E-08	1.68E-08	6.04E-10	1.46E-08	1.03E-08	8.87E-09	2.65E-09	3.70E-08
490510.04, 3859210.04	0.01397	5.094E-05	1.76E-08	5.32E-08	4.21E-08	3.64E-08	1.64E-08	5.89E-10	1.42E-08	9.99E-09	8.65E-09	2.58E-09	3.60E-08
490560.04, 3859210.04	0.01362	4.967E-05	1.72E-08	5.19E-08	4.10E-08	3.55E-08	1.60E-08	5.74E-10	1.39E-08	9.74E-09	8.43E-09	2.52E-09	3.51E-08
490610.04, 3859210.04	0.01308	4.77E-05	1.65E-08	4.99E-08	3.94E-08	3.41E-08	1.53E-08	5.51E-10	1.33E-08	9.36E-09	8.10E-09	2.42E-09	3.37E-08
490660.04, 3859210.04	0.01205	4.394E-05	1.52E-08	4.59E-08	3.63E-08	3.14E-08	1.41E-08	5.08E-10	1.23E-08	8.62E-09	7.46E-09	2.23E-09	3.11E-08
490710.04, 3859210.04	0.01137	4.146E-05	1.44E-08	4.33E-08	3.42E-08	2.96E-08	1.33E-08	4.79E-10	1.16E-08	8.13E-09	7.04E-09	2.10E-09	2.93E-08
490760.04, 3859210.04	0.01144	4.172E-05	1.44E-08	4.36E-08	3.44E-08	2.98E-08	1.34E-08	4.82E-10	1.16E-08	8.18E-09	7.08E-09	2.11E-09	2.95E-08
490810.04, 3859210.04	0.0115	4.194E-05	1.45E-08	4.38E-08	3.46E-08	3.00E-08	1.35E-08	4.85E-10	1.17E-08	8.23E-09	7.12E-09	2.12E-09	2.97E-08
490860.04, 3859210.04	0.01153	4.205E-05	1.46E-08	4.39E-08	3.47E-08	3.00E-08	1.35E-08	4.86E-10	1.17E-08	8.25E-09	7.14E-09	2.13E-09	2.97E-08
490360.04, 3859260.04	0.01632	5.951E-05	2.06E-08	6.22E-08	4.91E-08	4.25E-08	1.91E-08	6.88E-10	1.66E-08	1.17E-08	1.01E-08	3.02E-09	4.21E-08
490410.04, 3859260.04	0.01579	5.758E-05	1.99E-08	6.02E-08	4.75E-08	4.11E-08	1.85E-08	6.66E-10	1.61E-08	1.13E-08	9.77E-09	2.92E-09	4.07E-08
490460.04, 3859260.04	0.01547	5.641E-05	1.95E-08	5.90E-08	4.66E-08	4.03E-08	1.81E-08	6.52E-10	1.58E-08	1.11E-08	9.58E-09	2.86E-09	3.99E-08
490510.04, 3859260.04	0.01443	5.262E-05	1.82E-08	5.50E-08	4.34E-08	3.76E-08	1.69E-08	6.08E-10	1.47E-08	1.03E-08	8.93E-09	2.67E-09	3.72E-08
490560.04, 3859260.04	0.01446	5.273E-05	1.83E-08	5.51E-08	4.35E-08	3.77E-08	1.69E-08	6.10E-10	1.47E-08	1.03E-08	8.95E-09	2.67E-09	3.73E-08
490610.04, 3859260.04	0.01351	4.927E-05	1.71E-08	5.15E-08	4.07E-08	3.52E-08	1.58E-08	5.69E-10	1.38E-08	9.66E-09	8.36E-09	2.50E-09	3.48E-08
490660.04, 3859260.04	0.0135	4.923E-05	1.70E-08	5.15E-08	4.06E-08	3.52E-08	1.58E-08	5.69E-10	1.37E-08	9.66E-09	8.36E-09	2.49E-09	3.48E-08
490710.04, 3859260.04	0.01233	4.496E-05	1.56E-08	4.70E-08	3.71E-08	3.21E-08	1.44E-08	5.20E-10	1.26E-08	8.82E-09	7.63E-09	2.28E-09	3.18E-08
490760.04, 3859260.04	0.01244	4.536E-05	1.57E-08	4.74E-08	3.75E-08	3.24E-08	1.46E-08	5.24E-10	1.27E-08	8.90E-09	7.70E-09	2.30E-09	3.21E-08
490810.04, 3859260.04	0.01239	4.518E-05	1.56E-08	4.72E-08	3.73E-08	3.23E-08	1.45E-08	5.22E-10	1.26E-08	8.86E-09	7.67E-09	2.29E-09	3.20E-08
490860.04, 3859260.04	0.01233	4.496E-05	1.56E-08	4.70E-08	3.71E-08	3.21E-08	1.44E-08	5.20E-10	1.26E-08	8.82E-09	7.63E-09	2.28E-09	3.18E-08
490360.04, 3859310.04	0.01717	6.261E-05	2.17E-08	6.54E-08	5.17E-08	4.47E-08	2.01E-08	7.24E-10	1.75E-08	1.23E-08	1.06E-08	3.17E-09	4.43E-08
490410.04, 3859310.04	0.01653	6.028E-05	2.09E-08	6.30E-08	4.98E-08	4.31E-08	1.94E-08	6.97E-10	1.68E-08	1.18E-08	1.02E-08	3.05E-09	4.26E-08
490460.04, 3859310.04	0.01607	5.86E-05	2.03E-08	6.13E-08	4.84E-08	4.19E-08	1.88E-08	6.77E-10	1.64E-08	1.15E-08	9.95E-09	2.97E-09	4.15E-08
490510.04, 3859310.04	0.01583	5.773E-05	2.00E-08	6.03E-08	4.77E-08	4.12E-08	1.85E-08	6.67E-10	1.61E-08	1.13E-08	9.80E-09	2.92E-09	4.08E-08
490560.04, 3859310.04	0.01552	5.66E-05	1.96E-08	5.92E-08	4.67E-08	4.04E-08	1.82E-08	6.54E-10	1.58E-08	1.11E-08	9.61E-09	2.87E-09	4.00E-08
490610.04, 3859310.04	0.0153	5.579E-05	1.93E-08	5.83E-08	4.61E-08	3.99E-08	1.79E-08	6.45E-10	1.56E-08	1.09E-08	9.47E-09	2.83E-09	3.95E-08
490660.04, 3859310.04	0.01487	5.423E-05	1.88E-08	5.67E-08	4.48E-08	3.87E-08	1.74E-08	6.27E-10	1.51E-08	1.06E-08	9.20E-09	2.75E-09	3.84E-08
490710.04, 3859310.04	0.01388	5.062E-05	1.75E-08	5.29E-08	4.18E-08	3.62E-08	1.63E-08	5.85E-10	1.41E-08	9.93E-09	8.59E-09	2.56E-09	3.58E-08
490760.04, 3859310.04	0.01348	4.916E-05	1.70E-08	5.14E-08	4.06E-08	3.51E-08	1.58E-08	5.68E-10	1.37E-08	9.64E-09	8.34E-09	2.49E-09	3.48E-08
490810.04, 3859310.04	0.01336	4.872E-05	1.69E-08	5.09E-08	4.02E-08	3.48E-08	1.57E-08	5.63E-10	1.36E-08	9.56E-09	8.27E-09	2.47E-09	3.45E-08
490860.04, 3859310.04	0.01304	4.755E-05	1.65E-08	4.97E-08	3.93E-08	3.40E-08	1.53E-08	5.50E-10	1.33E-08	9.33E-09	8.07E-09	2.41E-09	3.36E-08
490360.04, 3859360.04	0.01832	6.681E-05	2.31E-08	6.98E-08	5.52E-08	4.77E-08	2.15E-08	7.72E-10	1.87E-08	1.31E-08	1.13E-08	3.39E-09	4.73E-08
490410.04, 3859360.04	0.01786	6.513E-05	2.25E-08	6.81E-08	5.38E-08	4.65E-08	2.09E-08	7.53E-10	1.82E-08	1.28E-08	1.11E-08	3.30E-09	4.61E-08
490460.04, 3859360.04	0.01753	6.393E-05	2.21E-08	6.68E-08	5.28E-08	4.57E-08	2.05E-08	7.39E-10	1.78E-08	1.25E-08	1.09E-08	3.24E-09	4.52E-08
490510.04, 3859360.04	0.01718	6.265E-05	2.17E-08	6.55E-08	5.17E-08	4.48E-08	2.01E-08	7.24E-10	1.75E-08	1.23E-08	1.06E-08	3.17E-09	4.43E-08
490560.04, 3859360.04	0.01655	6.035E-05	2.09E-08	6.31E-08	4.98E-08	4.31E-08	1.94E-08	6.98E-10	1.69E-08	1.18E-08	1.02E-08	3.06E-09	4.27E-08
490610.04, 3859360.04	0.01603	5.846E-05	2.02E-08	6.11E-08	4.83E-08	4.18E-08	1.88E-08	6.76E-10	1.63E-08	1.15E-08	9.92E-09	2.96E-09	4.13E-08
490660.04, 3859360.04	0.01568	5.718E-05	1.98E-08	5.98E-08	4.72E-08	4.08E-08	1.84E-08	6.61E-10	1.60E-08	1.12E-08	9.71E-09	2.90E-09	4.04E-08
490710.04, 3859360.04	0.01502	5.477E-05	1.90E-08	5.72E-08	4.52E-08	3.91E-08	1.76E-08	6.33E-10	1.53E-08	1.07E-08	9.30E-09	2.78E-09	3.87E-08
490760.04, 3859360.04	0.01436	5.237E-05	1.81E-08	5.47E-08	4.32E-08	3.74E-08	1.68E-08	6.05E-10	1.46E-08	1.03E-08	8.89E-09	2.65E-09	3.70E-08
490810.04, 3859360.04	0.0144	5.251E-05	1.82E-08	5.49E-08	4.34E-08	3.75E-08	1.69E-08	6.07E-10	1.47E-08	1.03E-08	8.91E-09	2.66E-09	3.71E-08
490860.04, 3859360.04	0.01411	5.145E-05	1.78E-08	5.38E-08	4.25E-08	3.68E-08	1.65E-08	5.95E-10	1.44E-08	1.01E-08	8.73E-09	2.61E-09	3.64E-08
490360.04, 3859410.04	0.01981	7.224E-05	2.50E-08	7.55E-08	5.96E-08	5.16E-08	2.32E-08	8.35E-10	2.02E-08	1.42E-08	1.23E-08	3.66E-09	5.11E-08
490410.04, 3859410.04	0.01933	7.049E-05	2.44E-08	7.37E-08	5.82E-08	5.04E-08	2.26E-08	8.15E-10	1.97E-08	1.38E-08	1.20E-08	3.57E-09	4.99E-08
490460.04, 3859410.04	0.01888	6.885E-05	2.38E-08	7.20E-08	5.68E-08	4.92E-08	2.21E-08	7.96E-10	1.92E-08	1.35E-08	1.17E-08	3.49E-09	4.87E-08
490510.04, 3859410.04	0.01841	6.714E-05	2.32E-08	7.02E-08	5.54E-08	4.80E-08	2.16E-08	7.76E-10	1.87E-08	1.32E-08	1.14E-08	3.40E-09	4.75E-08
490560.04, 3859410.04	0.01798	6.557E-05	2.27E-08	6.85E-08	5.41E-08	4.68E-08	2.11E-08	7.58E-10	1.83E-08	1.29E-08	1.11E-08	3.32E-09	4.64E-08
490610.04, 3859410.04	0.01756	6.404E-05	2.22E-08	6.69E-08	5.29E-08	4.57E-08	2.06E-08	7.40E-10	1.79E-08	1.26E-08	1.09E-08	3.24E-09	4.53E-08
490660.04, 3859410.04	0.01609	5.867E-05	2.03E-08	6.13E-08	4.84E-08	4.19E-08	1.88E-08	6.78E-10	1.64E-08	1.15E-08	9.96E-09	2.97E-09	4.15E-08
490710.04, 3859410.04	0.0151	5.506E-05	1.91E-08	5.76E-08	4.55E-08	3.93E-08	1.77E-08	6.37E-10	1.54E-08	1.08E-08	9.35E-09	2.79E-09	3.90E-08
490760.04, 3859410.04	0.01471	5.364E-05	1.86E-08	5.61E-08	4.43E-08	3.83E-08	1.72E-08	6.20E-10	1.50E-08	1.05E-08	9.11E-09	2.72E-09	3.79E-08
490810.04, 3859410.04	0.01534	5.594E-05	1.94E-08	5.85E-08	4.62E-08	4.00E-08	1.80E-08	6.47E-10	1.56E-08	1.10E-08	9.50E-09	2.83E-09	3.96E-08
490860.04, 3859410.04	0.01548	5.645E-05	1.95E-08	5.90E-08	4.66E-08	4.03E-08	1.81E-08	6.53E-10	1.58E-08	1.11E-08	9.58E-09	2.86E-09	3.99E-08
490360.04, 3859460.04	0.02141	7.808E-05	2.70E-08	8.16E-08	6.45E-08	5.58E-08	2.51E-08	9.03E-10	2.18E-08	1.53E-08	1.33E-08	3.96E-09	5.52E-08
490410.04, 3859460.04	0.02065	7.53E-05	2.61E-08	7.87E-08	6.22E-08	5.38E-08	2.42E-08	8.70E-10	2.10E-08	1.48E-08	1.28E-08	3.82E-09	5.33E-08
490460.04, 3859460.04	0.02016	7.352E-05	2.54E-08	7.68E-08	6.07E-08	5.25E-08	2.36E-08	8.50E-10	2.05E-08	1.44E-08	1.25E-08	3.73E-09	5.20E-08
490510.04, 3859460.04	0.01965	7.166E-05	2.48E-08	7.49E-08	5.92E-08	5.12E-08	2.30E-08	8.28E-10	2.00E-08	1.41E-08	1.22E-08	3.63E-09	5.07E-08
490560.04, 3859460.04	0.01923	7.013E-05	2.43E-08	7.33E-08	5.79E-08	5.01E-08	2.25E-08	8.11E-10	1.96E-08	1.38E-08	1.19E-08	3.55E-09	4.96E-08
490610.04, 3859460.04	0.01864	6.797E-05	2.35E-08	7.10E-08	5.61E-08	4.86E-08	2.18E-08	7.86E-10	1.90E-08	1.33E-08	1.15E-08	3.44E-09	4.81E-08
490660.04, 3859460.04	0.018	6.564E-05	2.27E-08	6.86E-08	5.42E-08	4.69E-08	2.11E-08	7.59E-10	1.83E-08	1.29E-08	1.11E-08	3.33E-09	4.64E-08
490710.04, 3859460.04	0.01655	6.035E-05	2.09E-08	6.31E-08	4.98E-08	4.31E-08	1.94E-08	6.98E-10	1.69E-08	1.18E-08	1.02E-08	3.06E-09	4.27E-08
490760.04, 3859460.04	0.01712	6.243E-05	2.16E-08	6.53E-08	5.15E-08	4.46E-08	2.01E-08	7.22E-10	1.74E-08	1.22E-08	1.06E-08	3.16E-09	4.42E-08
490810.04, 3859460.04	0.01668	6.083E-05	2.11E-08	6.36E-08	5.02E-08	4.35E-08	1.95E-08	7.03E-10	1.70E-08	1.19E-08	1.03E-08	3.08E-09	4.30E-08
490860.04, 3859460.04	0.01669	6.086E-05	2.11E-08	6.36E-08	5.02E-08	4.35E-08	1.96E-08	7.04E-10	1.70E-08	1.19E-08	1.03E-08	3.08E-09	4.31E-08
490360.04, 3859510.04	0.02307	8.413E-05	2.91E-08	8.79E-08	6.95E-08	6.01E-08	2.70E-08	9.72E-10	2.35E-08	1.65E-08	1.43E-08	4.26E-09	5.95E-08
490410.04, 3859510.04	0.02251	8.209E-05	2.84E-08	8.58E-08	6.78E-08	5.86E-08	2.64E-08	9.49E-10	2.29E-08	1.61E-08	1.39E-08	4.16E-09	5.81E-08
490460.04, 3859510.04	0.02177	7.939E-05	2.75E-08	8.30E-08	6.55E-08	5.67E-08	2.55E-08	9.18E-10	2.22E-08	1.56E-08	1.35E-08	4.02E-09	5.62E-08
490510.04, 3859510.04	0.02119	7.727E-05	2.67E-08	8.08E-08	6.38E-08	5.52E-08	2.48E-08	8.93E-10	2.16E-08	1.52E-08	1.31E-08	3.92E-09	5.47E-08
490560.04, 3859510.04	0.02063	7.523E-05	2.60E-08	7.86E-08	6.21E-08	5.37E-08	2.42E-08	8.70E-10	2.10E-08	1.48E-08	1.28E-08	3.81E-09	5.32E-08
490610.04, 3859510.04	0.01998	7.286E-05	2.52E-08	7.62E-08	6.02E-08	5.21E-08	2.34E-08	8.42E-10	2.03E-08	1.43E-08	1.24E-08	3.69E-09	5.15E-08
490660.04, 3859510.04	0.01939	7.071E-05	2.45E-08	7.39E-08	5.84E-08	5.05E-08	2.27E-08	8.17E-10	1.97E-08	1.39E-08	1.20E-08	3.58E-09	5.00E-08
490710.04, 3859510.04	0.0188	6.856E-05	2.37E-08	7.17E-08	5.66E-08	4.90E-08	2.20E-08	7.92E-10	1.91E-08	1.34E-08	1.16E-08	3.47E-09	4.85E-08

490760.04, 3859510.04	0.01833	6.684E-05	2.31E-08	6.99E-08	5.52E-08	4.78E-08	2.15E-08	7.73E-10	1.87E-08	1.31E-08	1.13E-08	3.39E-09	4.73E-08
490810.04, 3859510.04	0.01808	6.593E-05	2.28E-08	6.89E-08	5.44E-08	4.71E-08	2.12E-08	7.62E-10	1.84E-08	1.29E-08	1.12E-08	3.34E-09	4.66E-08
490860.04, 3859510.04	0.01773	6.466E-05	2.24E-08	6.76E-08	5.34E-08	4.62E-08	2.08E-08	7.47E-10	1.81E-08	1.27E-08	1.10E-08	3.28E-09	4.57E-08
490360.04, 3859560.04	0.02491	9.084E-05	3.14E-08	9.49E-08	7.50E-08	6.49E-08	2.92E-08	1.05E-09	2.54E-08	1.78E-08	1.54E-08	4.60E-09	6.43E-08
490410.04, 3859560.04	0.02436	8.883E-05	3.08E-08	9.28E-08	7.33E-08	6.35E-08	2.85E-08	1.03E-09	2.48E-08	1.74E-08	1.51E-08	4.50E-09	6.28E-08
490460.04, 3859560.04	0.02371	8.646E-05	2.99E-08	9.04E-08	7.14E-08	6.18E-08	2.78E-08	9.99E-10	2.41E-08	1.70E-08	1.47E-08	4.38E-09	6.12E-08
490510.04, 3859560.04	0.02278	8.307E-05	2.88E-08	8.68E-08	6.86E-08	5.93E-08	2.67E-08	9.60E-10	2.32E-08	1.63E-08	1.41E-08	4.21E-09	5.88E-08
490560.04, 3859560.04	0.02232	8.139E-05	2.82E-08	8.51E-08	6.72E-08	5.81E-08	2.61E-08	9.41E-10	2.27E-08	1.60E-08	1.38E-08	4.12E-09	5.76E-08
490610.04, 3859560.04	0.02158	7.87E-05	2.72E-08	8.23E-08	6.50E-08	5.62E-08	2.53E-08	9.10E-10	2.20E-08	1.54E-08	1.34E-08	3.99E-09	5.57E-08
490660.04, 3859560.04	0.02095	7.64E-05	2.64E-08	7.99E-08	6.31E-08	5.46E-08	2.45E-08	8.83E-10	2.13E-08	1.50E-08	1.30E-08	3.87E-09	5.40E-08
490710.04, 3859560.04	0.02027	7.392E-05	2.56E-08	7.73E-08	6.10E-08	5.28E-08	2.37E-08	8.54E-10	2.06E-08	1.45E-08	1.25E-08	3.75E-09	5.23E-08
490760.04, 3859560.04	0.01946	7.096E-05	2.46E-08	7.42E-08	5.86E-08	5.07E-08	2.28E-08	8.20E-10	1.98E-08	1.39E-08	1.20E-08	3.60E-09	5.02E-08
490810.04, 3859560.04	0.01898	6.921E-05	2.40E-08	7.23E-08	5.71E-08	4.94E-08	2.22E-08	8.00E-10	1.93E-08	1.36E-08	1.17E-08	3.51E-09	4.90E-08
490860.04, 3859560.04	0.01851	6.75E-05	2.34E-08	7.06E-08	5.57E-08	4.82E-08	2.17E-08	7.80E-10	1.88E-08	1.32E-08	1.15E-08	3.42E-09	4.77E-08
490187.25, 3859422.08	0.02221	8.099E-05	2.80E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.36E-10	2.26E-08	1.59E-08	1.37E-08	4.10E-09	5.73E-08
490237.25, 3859422.08	0.02161	7.88E-05	2.73E-08	8.24E-08	6.51E-08	5.63E-08	2.53E-08	9.11E-10	2.20E-08	1.55E-08	1.34E-08	3.99E-09	5.57E-08
490287.25, 3859422.08	0.02105	7.676E-05	2.66E-08	8.02E-08	6.34E-08	5.48E-08	2.47E-08	8.87E-10	2.14E-08	1.51E-08	1.30E-08	3.89E-09	5.43E-08
490337.25, 3859422.08	0.02033	7.414E-05	2.57E-08	7.75E-08	6.12E-08	5.30E-08	2.38E-08	8.57E-10	2.07E-08	1.45E-08	1.26E-08	3.76E-09	5.24E-08
490187.25, 3859472.08	0.02367	8.632E-05	2.99E-08	9.02E-08	7.13E-08	6.17E-08	2.77E-08	9.98E-10	2.41E-08	1.69E-08	1.47E-08	4.37E-09	6.11E-08
490237.25, 3859472.08	0.02319	8.457E-05	2.93E-08	8.84E-08	6.98E-08	6.04E-08	2.72E-08	9.78E-10	2.36E-08	1.66E-08	1.44E-08	4.28E-09	5.98E-08
490287.25, 3859472.08	0.0224	8.169E-05	2.83E-08	8.54E-08	6.74E-08	5.84E-08	2.62E-08	9.44E-10	2.28E-08	1.60E-08	1.39E-08	4.14E-09	5.78E-08
490337.25, 3859472.08	0.02199	8.019E-05	2.78E-08	8.38E-08	6.62E-08	5.73E-08	2.58E-08	9.27E-10	2.24E-08	1.57E-08	1.36E-08	4.06E-09	5.67E-08
490297.07, 3859500.42	0.0233	8.497E-05	2.94E-08	8.88E-08	7.02E-08	6.07E-08	2.73E-08	9.82E-10	2.37E-08	1.67E-08	1.44E-08	4.31E-09	6.01E-08
490327.07, 3859500.42	0.02324	8.475E-05	2.93E-08	8.86E-08	7.00E-08	6.05E-08	2.72E-08	9.80E-10	2.37E-08	1.66E-08	1.44E-08	4.29E-09	5.99E-08
490297.07, 3859530.42	0.02465	8.989E-05	3.11E-08	9.40E-08	7.42E-08	6.42E-08	2.89E-08	1.04E-09	2.51E-08	1.76E-08	1.53E-08	4.55E-09	6.36E-08
490327.07, 3859530.42	0.02427	8.85E-05	3.06E-08	9.25E-08	7.31E-08	6.32E-08	2.84E-08	1.02E-09	2.47E-08	1.74E-08	1.50E-08	4.48E-09	6.26E-08
490319.73, 3859055.34	0.01623	5.919E-05	2.05E-08	6.19E-08	4.89E-08	4.23E-08	1.90E-08	6.84E-10	1.65E-08	1.16E-08	1.00E-08	3.00E-09	4.19E-08
490319.73, 3859105.34	0.01623	5.919E-05	2.05E-08	6.19E-08	4.89E-08	4.23E-08	1.90E-08	6.84E-10	1.65E-08	1.16E-08	1.00E-08	3.00E-09	4.19E-08
490069.73, 3859155.34	0.01783	6.502E-05	2.25E-08	6.80E-08	5.37E-08	4.64E-08	2.09E-08	7.52E-10	1.82E-08	1.28E-08	1.10E-08	3.29E-09	4.60E-08
490119.73, 3859155.34	0.01777	6.48E-05	2.24E-08	6.77E-08	5.35E-08	4.63E-08	2.08E-08	7.49E-10	1.81E-08	1.27E-08	1.10E-08	3.28E-09	4.58E-08
490269.73, 3859155.34	0.01732	6.316E-05	2.19E-08	6.60E-08	5.21E-08	4.51E-08	2.03E-08	7.30E-10	1.76E-08	1.24E-08	1.07E-08	3.20E-09	4.47E-08
490319.73, 3859155.34	0.01655	6.035E-05	2.09E-08	6.31E-08	4.98E-08	4.31E-08	1.94E-08	6.98E-10	1.69E-08	1.18E-08	1.02E-08	3.06E-09	4.27E-08
490069.73, 3859205.34	0.01871	6.823E-05	2.36E-08	7.13E-08	5.63E-08	4.87E-08	2.19E-08	7.89E-10	1.91E-08	1.34E-08	1.16E-08	3.46E-09	4.83E-08
490119.73, 3859205.34	0.01896	6.914E-05	2.39E-08	7.23E-08	5.71E-08	4.94E-08	2.22E-08	7.99E-10	1.93E-08	1.36E-08	1.17E-08	3.50E-09	4.89E-08
490169.73, 3859205.34	0.01873	6.83E-05	2.36E-08	7.14E-08	5.64E-08	4.88E-08	2.19E-08	7.90E-10	1.91E-08	1.34E-08	1.16E-08	3.46E-09	4.83E-08
490219.73, 3859205.34	0.01804	6.579E-05	2.28E-08	6.88E-08	5.43E-08	4.70E-08	2.11E-08	7.60E-10	1.84E-08	1.29E-08	1.12E-08	3.33E-09	4.65E-08
490269.73, 3859205.34	0.01709	6.232E-05	2.16E-08	6.51E-08	5.15E-08	4.45E-08	2.00E-08	7.20E-10	1.74E-08	1.22E-08	1.06E-08	3.16E-09	4.41E-08
490319.73, 3859205.34	0.0167	6.09E-05	2.11E-08	6.37E-08	5.03E-08	4.35E-08	1.96E-08	7.04E-10	1.70E-08	1.19E-08	1.03E-08	3.09E-09	4.31E-08
490069.73, 3859255.34	0.01922	7.009E-05	2.43E-08	7.33E-08	5.79E-08	5.01E-08	2.25E-08	8.10E-10	1.96E-08	1.37E-08	1.19E-08	3.55E-09	4.96E-08
490119.73, 3859255.34	0.01934	7.053E-05	2.44E-08	7.37E-08	5.82E-08	5.04E-08	2.27E-08	8.15E-10	1.97E-08	1.38E-08	1.20E-08	3.57E-09	4.99E-08
490169.73, 3859255.34	0.01915	6.983E-05	2.42E-08	7.30E-08	5.77E-08	4.99E-08	2.24E-08	8.07E-10	1.95E-08	1.37E-08	1.19E-08	3.54E-09	4.94E-08
490219.73, 3859255.34	0.01845	6.728E-05	2.33E-08	7.03E-08	5.55E-08	4.81E-08	2.16E-08	7.78E-10	1.88E-08	1.32E-08	1.14E-08	3.41E-09	4.76E-08
490269.73, 3859255.34	0.01769	6.451E-05	2.23E-08	6.74E-08	5.33E-08	4.61E-08	2.07E-08	7.46E-10	1.80E-08	1.27E-08	1.09E-08	3.27E-09	4.56E-08
490319.73, 3859255.34	0.01722	6.28E-05	2.17E-08	6.56E-08	5.18E-08	4.49E-08	2.02E-08	7.26E-10	1.75E-08	1.23E-08	1.07E-08	3.18E-09	4.44E-08
490069.73, 3859305.34	0.01987	7.246E-05	2.51E-08	7.57E-08	5.98E-08	5.18E-08	2.33E-08	8.38E-10	2.02E-08	1.42E-08	1.23E-08	3.67E-09	5.13E-08
490119.73, 3859305.34	0.02003	7.304E-05	2.53E-08	7.63E-08	6.03E-08	5.22E-08	2.35E-08	8.44E-10	2.04E-08	1.43E-08	1.24E-08	3.70E-09	5.17E-08
490169.73, 3859305.34	0.01981	7.224E-05	2.50E-08	7.55E-08	5.96E-08	5.16E-08	2.32E-08	8.35E-10	2.02E-08	1.42E-08	1.23E-08	3.66E-09	5.11E-08
490219.73, 3859305.34	0.01921	7.005E-05	2.42E-08	7.32E-08	5.78E-08	5.00E-08	2.25E-08	8.10E-10	1.96E-08	1.37E-08	1.19E-08	3.55E-09	4.96E-08
490269.73, 3859305.34	0.01859	6.779E-05	2.35E-08	7.09E-08	5.60E-08	4.84E-08	2.18E-08	7.84E-10	1.89E-08	1.33E-08	1.15E-08	3.43E-09	4.80E-08
490319.73, 3859305.34	0.01776	6.476E-05	2.24E-08	6.77E-08	5.35E-08	4.63E-08	2.08E-08	7.49E-10	1.81E-08	1.27E-08	1.10E-08	3.28E-09	4.58E-08
490069.73, 3859355.34	0.0211	7.694E-05	2.66E-08	8.04E-08	6.35E-08	5.50E-08	2.47E-08	8.89E-10	2.15E-08	1.51E-08	1.31E-08	3.90E-09	5.44E-08
490119.73, 3859355.34	0.0212	7.731E-05	2.68E-08	8.08E-08	6.38E-08	5.52E-08	2.48E-08	8.94E-10	2.16E-08	1.52E-08	1.31E-08	3.92E-09	5.47E-08
490169.73, 3859355.34	0.02089	7.618E-05	2.64E-08	7.96E-08	6.29E-08	5.44E-08	2.45E-08	8.81E-10	2.13E-08	1.49E-08	1.29E-08	3.86E-09	5.39E-08
490219.73, 3859355.34	0.02019	7.363E-05	2.55E-08	7.70E-08	6.08E-08	5.26E-08	2.37E-08	8.51E-10	2.06E-08	1.44E-08	1.25E-08	3.73E-09	5.21E-08
490269.73, 3859355.34	0.01964	7.162E-05	2.48E-08	7.49E-08	5.91E-08	5.12E-08	2.30E-08	8.28E-10	2.00E-08	1.40E-08	1.22E-08	3.63E-09	5.07E-08
490319.73, 3859355.34	0.01887	6.881E-05	2.38E-08	7.19E-08	5.68E-08	4.92E-08	2.21E-08	7.95E-10	1.92E-08	1.35E-08	1.17E-08	3.49E-09	4.87E-08
490069.73, 3859405.34	0.0225	8.205E-05	2.84E-08	8.58E-08	6.77E-08	5.86E-08	2.64E-08	9.48E-10	2.29E-08	1.61E-08	1.39E-08	4.16E-09	5.80E-08
490119.73, 3859405.34	0.02241	8.172E-05	2.83E-08	8.54E-08	6.75E-08	5.84E-08	2.63E-08	9.45E-10	2.28E-08	1.60E-08	1.39E-08	4.14E-09	5.78E-08
490169.73, 3859405.34	0.02195	8.004E-05	2.77E-08	8.37E-08	6.61E-08	5.72E-08	2.57E-08	9.25E-10	2.23E-08	1.57E-08	1.36E-08	4.06E-09	5.66E-08
490219.73, 3859405.34	0.02144	7.818E-05	2.71E-08	8.17E-08	6.46E-08	5.59E-08	2.51E-08	9.04E-10	2.18E-08	1.53E-08	1.33E-08	3.96E-09	5.53E-08
490269.73, 3859405.34	0.0207	7.549E-05	2.61E-08	7.89E-08	6.23E-08	5.39E-08	2.42E-08	8.73E-10	2.11E-08	1.48E-08	1.28E-08	3.82E-09	5.34E-08
490319.73, 3859405.34	0.01998	7.286E-05	2.52E-08	7.62E-08	6.02E-08	5.21E-08	2.34E-08	8.42E-10	2.03E-08	1.43E-08	1.24E-08	3.69E-09	5.15E-08
490161.89, 3859541.83	0.02603	9.492E-05	3.29E-08	9.92E-08	7.84E-08	6.78E-08	3.05E-08	1.10E-09	2.65E-08	1.86E-08	1.61E-08	4.81E-09	6.71E-08
490171.89, 3859541.83	0.02594	9.459E-05	3.27E-08	9.89E-08	7.81E-08	6.76E-08	3.04E-08	1.09E-09	2.64E-08	1.86E-08	1.61E-08	4.79E-09	6.69E-08
490161.89, 3859551.83	0.02628	9.583E-05	3.32E-08	1.00E-07	7.91E-08	6.85E-08	3.08E-08	1.11E-09	2.68E-08	1.88E-08	1.63E-08	4.86E-09	6.78E-08
490171.89, 3859551.83	0.02622	9.562E-05	3.31E-08	9.99E-08	7.89E-08	6.83E-08	3.07E-08	1.11E-09	2.67E-08	1.88E-08	1.62E-08	4.84E-09	6.76E-08
489799.72, 3859348.21	0.02145	7.822E-05	2.71E-08	8.18E-08	6.46E-08	5.59E-08	2.51E-08	9.04E-10	2.18E-08	1.53E-08	1.33E-08	3.96E-09	5.53E-08
489819.72, 3859348.21	0.02144	7.818E-05	2.71E-08	8.17E-08	6.46E-08	5.59E-08	2.51E-08	9.04E-10	2.18E-08	1.53E-08	1.33E-08	3.96E-09	5.53E-08
489799.72, 3859368.21	0.02188	7.979E-05	2.76E-08	8.34E-08	6.59E-08	5.70E-08	2.56E-08	9.22E-10	2.23E-08	1.57E-08	1.35E-08	4.04E-09	5.64E-08
489819.72, 3859368.21	0.02178	7.942E-05	2.75E-08	8.30E-08	6.56E-08	5.67E-08	2.55E-08	9.18E-10	2.22E-08	1.56E-08	1.35E-08	4.02E-09	5.62E-08
489775.41, 3859329.72	0.02128	7.76E-05	2.69E-08	8.11E-08	6.41E-08	5.54E-08	2.49E-08	8.97E-10	2.17E-08	1.52E-08	1.32E-08	3.93E-09	5.49E-08
489795.41, 3859329.72	0.02125	7.749E-05	2.68E-08	8.10E-08	6.40E-08	5.54E-08	2.49E-08	8.96E-10	2.16E-08	1.52E-08	1.32E-08	3.93E-09	5.48E-08
489775.41, 3859349.72	0.02159	7.873E-05	2.73E-08	8.23E-08	6.50E-08	5.62E-08	2.53E-08	9.10E-10	2.20E-08	1.54E-08	1.34E-08	3.99E-09	5.57E-08
489795.41, 3859349.72	0.02148	7.833E-05	2.71E-08	8.19E-08	6.47E-08	5.60E-08	2.52E-08	9.05E-10	2.19E-08	1.54E-08	1.33E-08	3.97E-09	5.54E-08
489595.05, 3859219.43	0.01995	7.275E-05	2.52E-08	7.60E-08	6.01E-08	5.20E-08	2.34E-08	8.41E-10	2.03E-08	1.43E-08	1.23E-08	3.69E-09	5.15E-08
489615.05, 3859219.43	0.0198	7.22E-05	2.50E-08	7.55E-08	5.96E-08	5.16E-08	2.32E-08	8.35E-10	2.02E-08	1.42E-08	1.23E-08	3.66E-09	5.11E-08
489595.05, 3859239.43	0.02032	7.41E-05	2.57E-08	7.74E-08	6.12E-08	5.29E-08	2.38E-08	8.57E-10	2.07E-08	1.45E-08	1.26E-08	3.75E-09	5.24E-08
489615.05, 3859239.43	0.02014	7.344E-05	2.54E-08	7.68E-08	6.06E-08	5.25E-08	2.36E-08	8.49E-10	2.05E-08	1.44E-08	1.25E-08	3.72E-09	5.20E-08
489372.4, 3859092.58	0.01889	6.889E-05	2.38E-08	7.20E-08	5.69E-08	4.92E-08	2.21E-08	7.96E-10	1.92E-08	1.35E-08	1.17E-08	3.49E-09	4.87E-08
489422.4, 3859092.58	0.01871	6.823E-05	2.36E-08	7.13E-08	5.63E-08	4.87E-08	2.19E-08	7.89E-10	1.91E-08	1.34E-08	1.16E-08	3.46E-09	4.83E-08

489372.4, 3859142.58	0.01957	7.137E-05	2.47E-08	7.46E-08	5.89E-08	5.10E-08	2.29E-08	8.25E-10	1.99E-08	1.40E-08	1.21E-08	3.62E-09	5.05E-08
489422.4, 3859142.58	0.01943	7.085E-05	2.45E-08	7.41E-08	5.85E-08	5.06E-08	2.28E-08	8.19E-10	1.98E-08	1.39E-08	1.20E-08	3.59E-09	5.01E-08
488870.84, 3858666.64	0.01616	5.893E-05	2.04E-08	6.16E-08	4.87E-08	4.21E-08	1.89E-08	6.81E-10	1.65E-08	1.16E-08	1.00E-08	2.99E-09	4.17E-08
488900.84, 3858666.64	0.0161	5.871E-05	2.03E-08	6.14E-08	4.85E-08	4.19E-08	1.89E-08	6.79E-10	1.64E-08	1.15E-08	9.97E-09	2.97E-09	4.15E-08
488870.84, 3858696.64	0.01641	5.984E-05	2.07E-08	6.25E-08	4.94E-08	4.27E-08	1.92E-08	6.92E-10	1.67E-08	1.17E-08	1.02E-08	3.03E-09	4.23E-08
488900.84, 3858696.64	0.01633	5.955E-05	2.06E-08	6.22E-08	4.92E-08	4.25E-08	1.91E-08	6.88E-10	1.66E-08	1.17E-08	1.01E-08	3.02E-09	4.21E-08
488889.67, 3858683.97	0.01623	5.919E-05	2.05E-08	6.19E-08	4.89E-08	4.23E-08	1.90E-08	6.84E-10	1.65E-08	1.16E-08	1.00E-08	3.00E-09	4.19E-08
488919.67, 3858683.97	0.01621	5.911E-05	2.05E-08	6.18E-08	4.88E-08	4.22E-08	1.90E-08	6.83E-10	1.65E-08	1.16E-08	1.00E-08	3.00E-09	4.18E-08
488889.67, 3858713.97	0.01649	6.013E-05	2.08E-08	6.29E-08	4.96E-08	4.30E-08	1.93E-08	6.95E-10	1.68E-08	1.18E-08	1.02E-08	3.05E-09	4.25E-08
488919.67, 3858713.97	0.01642	5.988E-05	2.07E-08	6.26E-08	4.94E-08	4.28E-08	1.92E-08	6.92E-10	1.67E-08	1.17E-08	1.02E-08	3.03E-09	4.24E-08
488906.61, 3858703.33	0.01638	5.973E-05	2.07E-08	6.24E-08	4.93E-08	4.27E-08	1.92E-08	6.90E-10	1.67E-08	1.17E-08	1.01E-08	3.03E-09	4.23E-08
488936.61, 3858703.33	0.01628	5.937E-05	2.06E-08	6.21E-08	4.90E-08	4.24E-08	1.91E-08	6.86E-10	1.66E-08	1.16E-08	1.01E-08	3.01E-09	4.20E-08
488906.61, 3858733.33	0.0165	6.017E-05	2.08E-08	6.29E-08	4.97E-08	4.30E-08	1.93E-08	6.96E-10	1.68E-08	1.18E-08	1.02E-08	3.05E-09	4.26E-08
488936.61, 3858733.33	0.01647	6.006E-05	2.08E-08	6.28E-08	4.96E-08	4.29E-08	1.93E-08	6.94E-10	1.68E-08	1.18E-08	1.02E-08	3.04E-09	4.25E-08
488637.63, 3858467.85	0.01538	5.609E-05	1.94E-08	5.86E-08	4.63E-08	4.01E-08	1.80E-08	6.48E-10	1.57E-08	1.10E-08	9.52E-09	2.84E-09	3.97E-08
488662.63, 3858467.85	0.01545	5.634E-05	1.95E-08	5.89E-08	4.65E-08	4.02E-08	1.81E-08	6.51E-10	1.57E-08	1.11E-08	9.56E-09	2.85E-09	3.99E-08
488637.63, 3858492.85	0.01552	5.66E-05	1.96E-08	5.92E-08	4.67E-08	4.04E-08	1.82E-08	6.54E-10	1.58E-08	1.11E-08	9.61E-09	2.87E-09	4.00E-08
488662.63, 3858492.85	0.01555	5.671E-05	1.96E-08	5.93E-08	4.68E-08	4.05E-08	1.82E-08	6.55E-10	1.58E-08	1.11E-08	9.63E-09	2.87E-09	4.01E-08
488687.63, 3858492.85	0.01552	5.66E-05	1.96E-08	5.92E-08	4.67E-08	4.04E-08	1.82E-08	6.54E-10	1.58E-08	1.11E-08	9.61E-09	2.87E-09	4.00E-08
488637.63, 3858517.85	0.01575	5.743E-05	1.99E-08	6.00E-08	4.74E-08	4.10E-08	1.85E-08	6.64E-10	1.60E-08	1.13E-08	9.75E-09	2.91E-09	4.06E-08
488662.63, 3858517.85	0.01572	5.733E-05	1.98E-08	5.99E-08	4.73E-08	4.10E-08	1.84E-08	6.63E-10	1.60E-08	1.12E-08	9.73E-09	2.90E-09	4.05E-08
488687.63, 3858517.85	0.01573	5.736E-05	1.99E-08	6.00E-08	4.74E-08	4.10E-08	1.84E-08	6.63E-10	1.60E-08	1.13E-08	9.74E-09	2.91E-09	4.06E-08
488194.42, 3857168.98	0.00831	3.03E-05	1.05E-08	3.17E-08	2.50E-08	2.16E-08	9.73E-09	3.50E-10	8.46E-09	5.94E-09	5.14E-09	1.54E-09	2.14E-08
488244.42, 3857168.98	0.00859	3.132E-05	1.08E-08	3.27E-08	2.59E-08	2.24E-08	1.01E-08	3.62E-10	8.75E-09	6.14E-09	5.32E-09	1.59E-09	2.22E-08
488294.42, 3857168.98	0.00881	3.213E-05	1.11E-08	3.36E-08	2.65E-08	2.30E-08	1.03E-08	3.71E-10	8.97E-09	6.30E-09	5.45E-09	1.63E-09	2.27E-08
488244.42, 3857218.98	0.00861	3.14E-05	1.09E-08	3.28E-08	2.59E-08	2.24E-08	1.01E-08	3.63E-10	8.77E-09	6.16E-09	5.33E-09	1.59E-09	2.22E-08
488294.42, 3857218.98	0.00885	3.227E-05	1.12E-08	3.37E-08	2.66E-08	2.31E-08	1.04E-08	3.73E-10	9.01E-09	6.33E-09	5.48E-09	1.64E-09	2.28E-08
488294.42, 3857268.98	0.00896	3.267E-05	1.13E-08	3.42E-08	2.70E-08	2.33E-08	1.05E-08	3.78E-10	9.12E-09	6.41E-09	5.55E-09	1.66E-09	2.31E-08
488139.13, 3857111.68	0.00804	2.932E-05	1.01E-08	3.06E-08	2.42E-08	2.09E-08	9.42E-09	3.39E-10	8.19E-09	5.75E-09	4.98E-09	1.49E-09	2.07E-08
488189.13, 3857111.68	0.00835	3.045E-05	1.05E-08	3.18E-08	2.51E-08	2.18E-08	9.78E-09	3.52E-10	8.50E-09	5.97E-09	5.17E-09	1.54E-09	2.15E-08
488189.13, 3857161.68	0.00829	3.023E-05	1.05E-08	3.16E-08	2.50E-08	2.16E-08	9.71E-09	3.49E-10	8.44E-09	5.93E-09	5.13E-09	1.53E-09	2.14E-08
487951.04, 3856961.26	0.00737	2.688E-05	9.30E-09	2.81E-08	2.22E-08	1.92E-08	8.63E-09	3.11E-10	7.50E-09	5.27E-09	4.56E-09	1.36E-09	1.90E-08
488001.04, 3856961.26	0.00753	2.746E-05	9.51E-09	2.87E-08	2.27E-08	1.96E-08	8.82E-09	3.17E-10	7.67E-09	5.39E-09	4.66E-09	1.39E-09	1.94E-08
488051.04, 3856961.26	0.00762	2.779E-05	9.62E-09	2.90E-08	2.29E-08	1.99E-08	8.93E-09	3.21E-10	7.76E-09	5.45E-09	4.72E-09	1.41E-09	1.97E-08
488101.04, 3856961.26	0.00794	2.895E-05	1.00E-08	3.03E-08	2.39E-08	2.07E-08	9.30E-09	3.35E-10	8.08E-09	5.68E-09	4.91E-09	1.47E-09	2.05E-08
487951.04, 3857011.26	0.00748	2.728E-05	9.44E-09	2.85E-08	2.25E-08	1.95E-08	8.76E-09	3.15E-10	7.62E-09	5.35E-09	4.63E-09	1.38E-09	1.93E-08
488001.04, 3857011.26	0.00753	2.746E-05	9.51E-09	2.87E-08	2.27E-08	1.96E-08	8.82E-09	3.17E-10	7.67E-09	5.39E-09	4.66E-09	1.39E-09	1.94E-08
488051.04, 3857011.26	0.00762	2.779E-05	9.62E-09	2.90E-08	2.29E-08	1.99E-08	8.93E-09	3.21E-10	7.76E-09	5.45E-09	4.72E-09	1.41E-09	1.97E-08
488101.04, 3857011.26	0.00792	2.888E-05	1.00E-08	3.02E-08	2.38E-08	2.06E-08	9.28E-09	3.34E-10	8.06E-09	5.67E-09	4.90E-09	1.46E-09	2.04E-08
488001.04, 3857061.26	0.0076	2.771E-05	9.59E-09	2.90E-08	2.29E-08	1.98E-08	8.90E-09	3.20E-10	7.74E-09	5.44E-09	4.70E-09	1.40E-09	1.96E-08
488051.04, 3857061.26	0.00774	2.823E-05	9.77E-09	2.95E-08	2.33E-08	2.02E-08	9.07E-09	3.26E-10	7.88E-09	5.54E-09	4.79E-09	1.43E-09	2.00E-08
488101.04, 3857061.26	0.00795	2.899E-05	1.00E-08	3.03E-08	2.39E-08	2.07E-08	9.31E-09	3.35E-10	8.09E-09	5.69E-09	4.92E-09	1.47E-09	2.05E-08
487638.98, 3856673.79	0.00629	2.294E-05	7.94E-09	2.40E-08	1.89E-08	1.64E-08	7.37E-09	2.65E-10	6.40E-09	4.50E-09	3.89E-09	1.16E-09	1.62E-08
487688.98, 3856673.79	0.00642	2.341E-05	8.10E-09	2.45E-08	1.93E-08	1.67E-08	7.52E-09	2.71E-10	6.54E-09	4.59E-09	3.97E-09	1.19E-09	1.66E-08
487638.98, 3856723.79	0.00635	2.316E-05	8.02E-09	2.42E-08	1.91E-08	1.65E-08	7.44E-09	2.68E-10	6.47E-09	4.54E-09	3.93E-09	1.17E-09	1.64E-08
487688.98, 3856723.79	0.00646	2.356E-05	8.15E-09	2.46E-08	1.94E-08	1.68E-08	7.57E-09	2.72E-10	6.58E-09	4.62E-09	4.00E-09	1.19E-09	1.67E-08
486324.61, 3855740.57	0.00416	1.517E-05	5.25E-09	1.59E-08	1.25E-08	1.08E-08	4.87E-09	1.75E-10	4.24E-09	2.98E-09	2.57E-09	7.69E-10	1.07E-08
486374.61, 3855740.57	0.00409	1.491E-05	5.16E-09	1.56E-08	1.23E-08	1.07E-08	4.79E-09	1.72E-10	4.16E-09	2.93E-09	2.53E-09	7.56E-10	1.06E-08
486424.61, 3855740.57	0.0041	1.495E-05	5.18E-09	1.56E-08	1.23E-08	1.07E-08	4.80E-09	1.73E-10	4.17E-09	2.93E-09	2.54E-09	7.58E-10	1.06E-08
486324.61, 3855790.57	0.00415	1.513E-05	5.24E-09	1.58E-08	1.25E-08	1.08E-08	4.86E-09	1.75E-10	4.23E-09	2.97E-09	2.57E-09	7.67E-10	1.07E-08
486374.61, 3855790.57	0.00409	1.491E-05	5.16E-09	1.56E-08	1.23E-08	1.07E-08	4.79E-09	1.72E-10	4.16E-09	2.93E-09	2.53E-09	7.56E-10	1.06E-08
486424.61, 3855790.57	0.00413	1.506E-05	5.21E-09	1.57E-08	1.24E-08	1.08E-08	4.84E-09	1.74E-10	4.21E-09	2.95E-09	2.56E-09	7.63E-10	1.07E-08
486324.61, 3855840.57	0.00413	1.506E-05	5.21E-09	1.57E-08	1.24E-08	1.08E-08	4.84E-09	1.74E-10	4.21E-09	2.95E-09	2.56E-09	7.63E-10	1.07E-08
486374.61, 3855840.57	0.00416	1.517E-05	5.25E-09	1.59E-08	1.25E-08	1.08E-08	4.87E-09	1.75E-10	4.24E-09	2.98E-09	2.57E-09	7.69E-10	1.07E-08
486424.61, 3855840.57	0.00417	1.521E-05	5.26E-09	1.59E-08	1.26E-08	1.09E-08	4.88E-09	1.76E-10	4.25E-09	2.98E-09	2.58E-09	7.70E-10	1.08E-08
486324.61, 3855890.57	0.0042	1.532E-05	5.30E-09	1.60E-08	1.26E-08	1.09E-08	4.92E-09	1.77E-10	4.28E-09	3.00E-09	2.60E-09	7.76E-10	1.08E-08
486374.61, 3855890.57	0.00422	1.539E-05	5.33E-09	1.61E-08	1.27E-08	1.10E-08	4.94E-09	1.78E-10	4.30E-09	3.02E-09	2.61E-09	7.80E-10	1.09E-08
486424.61, 3855890.57	0.00421	1.535E-05	5.31E-09	1.60E-08	1.27E-08	1.10E-08	4.93E-09	1.77E-10	4.29E-09	3.01E-09	2.61E-09	7.78E-10	1.09E-08
488735.69, 3858285.64	0.0149	5.434E-05	1.88E-08	5.68E-08	4.49E-08	3.88E-08	1.75E-08	6.28E-10	1.52E-08	1.07E-08	9.22E-09	2.75E-09	3.84E-08
488765.69, 3858285.64	0.01494	5.448E-05	1.89E-08	5.69E-08	4.50E-08	3.89E-08	1.75E-08	6.30E-10	1.52E-08	1.07E-08	9.25E-09	2.76E-09	3.85E-08
488735.69, 3858315.64	0.01495	5.452E-05	1.89E-08	5.70E-08	4.50E-08	3.89E-08	1.75E-08	6.30E-10	1.52E-08	1.07E-08	9.25E-09	2.76E-09	3.86E-08
488765.69, 3858315.64	0.01497	5.459E-05	1.89E-08	5.71E-08	4.51E-08	3.90E-08	1.75E-08	6.31E-10	1.52E-08	1.07E-08	9.27E-09	2.77E-09	3.86E-08
478676.63, 3849871.93	0.00243	8.861E-06	3.07E-09	9.26E-09	7.32E-09	6.33E-09	2.85E-09	1.02E-10	2.47E-09	1.74E-09	1.50E-09	4.49E-10	6.27E-09
479326.63, 3849871.93	0.00199	7.257E-06	2.51E-09	7.58E-09	5.99E-09	5.18E-09	2.33E-09	8.39E-11	2.03E-09	1.42E-09	1.23E-09	3.68E-10	5.13E-09
479376.63, 3849871.93	0.00197	7.184E-06	2.49E-09	7.51E-09	5.93E-09	5.13E-09	2.31E-09	8.30E-11	2.01E-09	1.41E-09	1.22E-09	3.64E-10	5.08E-09
479426.63, 3849871.93	0.00191	6.965E-06	2.41E-09	7.28E-09	5.75E-09	4.98E-09	2.24E-09	8.05E-11	1.94E-09	1.37E-09	1.18E-09	3.53E-10	4.93E-09
478726.63, 3849921.93	0.00248	9.044E-06	3.13E-09	9.45E-09	7.47E-09	6.46E-09	2.91E-09	1.05E-10	2.53E-09	1.77E-09	1.54E-09	4.58E-10	6.40E-09
478776.63, 3849921.93	0.00245	8.934E-06	3.09E-09	9.34E-09	7.38E-09	6.38E-09	2.87E-09	1.03E-10	2.49E-09	1.75E-09	1.52E-09	4.53E-10	6.32E-09
478826.63, 3849921.93	0.00242	8.825E-06	3.05E-09	9.22E-09	7.29E-09	6.30E-09	2.83E-09	1.02E-10	2.46E-09	1.73E-09	1.50E-09	4.47E-10	6.24E-09
478976.63, 3849921.93	0.00231	8.424E-06	2.92E-09	8.80E-09	6.95E-09	6.02E-09	2.71E-09	9.74E-11	2.35E-09	1.65E-09	1.43E-09	4.27E-10	5.96E-09
479026.63, 3849921.93	0.00231	8.424E-06	2.92E-09	8.80E-09	6.95E-09	6.02E-09	2.71E-09	9.74E-11	2.35E-09	1.65E-09	1.43E-09	4.27E-10	5.96E-09
479076.63, 3849921.93	0.00229	8.351E-06	2.89E-09	8.73E-09	6.89E-09	5.97E-09	2.68E-09	9.65E-11	2.33E-09	1.64E-09	1.42E-09	4.23E-10	5.91E-09
479126.63, 3849921.93	0.00225	8.205E-06	2.84E-09	8.58E-09	6.77E-09	5.86E-09	2.64E-09	9.48E-11	2.29E-09	1.61E-09	1.39E-09	4.16E-10	5.80E-09
479176.63, 3849921.93	0.00223	8.132E-06	2.82E-09	8.50E-09	6.71E-09	5.81E-09	2.61E-09	9.40E-11	2.27E-09	1.60E-09	1.38E-09	4.12E-10	5.75E-09
479226.63, 3849921.93	0.00212	7.731E-06	2.68E-09	8.08E-09	6.38E-09	5.52E-09	2.48E-09	8.94E-11	2.16E-09	1.52E-09	1.31E-09	3.92E-10	5.47E-09
479276.63, 3849921.93	0.00205	7.476E-06	2.59E-09	7.81E-09	6.17E-09	5.34E-09	2.40E-09	8.64E-11	2.09E-09	1.47E-09	1.27E-09	3.79E-10	5.29E-09
479326.63, 3849921.93	0.00212	7.731E-06	2.68E-09	8.08E-09	6.38E-09	5.52E-09	2.48E-09	8.94E-11	2.16E-09	1.52E-09	1.31E-09	3.92E-10	5.47E-09
479376.63, 3849921.93	0.00202	7.366E-06	2.55E-09	7.70E-09	6.08E-09	5.26E-09	2.37E-09	8.51E-11	2.06E-09	1.45E-09	1.25E-09	3.73E-10	5.21E-09
479426.63, 3849921.93	0.00206	7.512E-06	2.60E-09	7.85E-09	6.20E-09	5.37E-09	2.41E-09	8.68E-11	2.10E-09	1.47E-09	1.28E-09	3.81E-10	5.31E-09
478726.63, 3849971.93	0.00254	9.263E-06	3.21E-09	9.68E-09	7.65E-09	6.62E-09	2.98E-09	1.07E-10	2.59E-09	1.82E-09	1.57E-09	4.69E-10	6.55E-09

478776.63, 3849971.93	0.00252	9.19E-06	3.18E-09	9.61E-09	7.59E-09	6.56E-09	2.95E-09	1.06E-10	2.57E-09	1.80E-09	1.56E-09	4.66E-10	6.50E-09
478826.63, 3849971.93	0.00249	9.08E-06	3.14E-09	9.49E-09	7.50E-09	6.49E-09	2.92E-09	1.05E-10	2.54E-09	1.78E-09	1.54E-09	4.60E-10	6.42E-09
478976.63, 3849971.93	0.00243	8.861E-06	3.07E-09	9.26E-09	7.32E-09	6.33E-09	2.85E-09	1.02E-10	2.47E-09	1.74E-09	1.50E-09	4.49E-10	6.27E-09
479026.63, 3849971.93	0.00239	8.716E-06	3.02E-09	9.11E-09	7.20E-09	6.23E-09	2.80E-09	1.01E-10	2.43E-09	1.71E-09	1.48E-09	4.42E-10	6.16E-09
479076.63, 3849971.93	0.00235	8.57E-06	2.97E-09	8.96E-09	7.08E-09	6.12E-09	2.75E-09	9.91E-11	2.39E-09	1.68E-09	1.45E-09	4.34E-10	6.06E-09
479126.63, 3849971.93	0.00232	8.46E-06	2.93E-09	8.84E-09	6.98E-09	6.04E-09	2.72E-09	9.78E-11	2.36E-09	1.66E-09	1.44E-09	4.29E-10	5.98E-09
479176.63, 3849971.93	0.00223	8.132E-06	2.82E-09	8.50E-09	6.71E-09	5.81E-09	2.61E-09	9.40E-11	2.27E-09	1.60E-09	1.38E-09	4.12E-10	5.75E-09
479226.63, 3849971.93	0.00214	7.804E-06	2.70E-09	8.16E-09	6.44E-09	5.57E-09	2.51E-09	9.02E-11	2.18E-09	1.53E-09	1.32E-09	3.95E-10	5.52E-09
479276.63, 3849971.93	0.0022	8.023E-06	2.78E-09	8.39E-09	6.62E-09	5.73E-09	2.58E-09	9.27E-11	2.24E-09	1.57E-09	1.36E-09	4.06E-10	5.67E-09
479326.63, 3849971.93	0.00217	7.913E-06	2.74E-09	8.27E-09	6.53E-09	5.65E-09	2.54E-09	9.15E-11	2.21E-09	1.55E-09	1.34E-09	4.01E-10	5.60E-09
479376.63, 3849971.93	0.00212	7.731E-06	2.68E-09	8.08E-09	6.38E-09	5.52E-09	2.48E-09	8.94E-11	2.16E-09	1.52E-09	1.31E-09	3.92E-10	5.47E-09
479426.63, 3849971.93	0.00212	7.731E-06	2.68E-09	8.08E-09	6.38E-09	5.52E-09	2.48E-09	8.94E-11	2.16E-09	1.52E-09	1.31E-09	3.92E-10	5.47E-09
478726.63, 3850021.93	0.00259	9.445E-06	3.27E-09	9.87E-09	7.80E-09	6.75E-09	3.03E-09	1.09E-10	2.64E-09	1.85E-09	1.60E-09	4.79E-10	6.68E-09
478776.63, 3850021.93	0.00257	9.372E-06	3.24E-09	9.80E-09	7.74E-09	6.70E-09	3.01E-09	1.08E-10	2.62E-09	1.84E-09	1.59E-09	4.75E-10	6.63E-09
478826.63, 3850021.93	0.00256	9.335E-06	3.23E-09	9.76E-09	7.71E-09	6.67E-09	3.00E-09	1.08E-10	2.61E-09	1.83E-09	1.58E-09	4.73E-10	6.60E-09
478976.63, 3850021.93	0.00251	9.153E-06	3.17E-09	9.57E-09	7.56E-09	6.54E-09	2.94E-09	1.06E-10	2.56E-09	1.80E-09	1.55E-09	4.64E-10	6.47E-09
478726.63, 3850071.93	0.00265	9.664E-06	3.35E-09	1.01E-08	7.98E-09	6.90E-09	3.10E-09	1.12E-10	2.70E-09	1.90E-09	1.64E-09	4.90E-10	6.84E-09
478776.63, 3850071.93	0.00264	9.627E-06	3.33E-09	1.01E-08	7.95E-09	6.88E-09	3.09E-09	1.11E-10	2.69E-09	1.89E-09	1.63E-09	4.88E-10	6.81E-09
478826.63, 3850071.93	0.00262	9.554E-06	3.31E-09	9.99E-09	7.89E-09	6.83E-09	3.07E-09	1.10E-10	2.67E-09	1.87E-09	1.62E-09	4.84E-10	6.76E-09
478876.63, 3850071.93	0.00261	9.518E-06	3.29E-09	9.95E-09	7.86E-09	6.80E-09	3.06E-09	1.10E-10	2.66E-09	1.87E-09	1.62E-09	4.82E-10	6.73E-09
478976.63, 3850071.93	0.00258	9.408E-06	3.26E-09	9.83E-09	7.77E-09	6.72E-09	3.02E-09	1.09E-10	2.63E-09	1.85E-09	1.60E-09	4.77E-10	6.66E-09
478726.63, 3850121.93	0.0027	9.846E-06	3.41E-09	1.03E-08	8.13E-09	7.03E-09	3.16E-09	1.14E-10	2.75E-09	1.93E-09	1.67E-09	4.99E-10	6.96E-09
478776.63, 3850121.93	0.0027	9.846E-06	3.41E-09	1.03E-08	8.13E-09	7.03E-09	3.16E-09	1.14E-10	2.75E-09	1.93E-09	1.67E-09	4.99E-10	6.96E-09
478826.63, 3850121.93	0.00269	9.81E-06	3.40E-09	1.03E-08	8.10E-09	7.01E-09	3.15E-09	1.13E-10	2.74E-09	1.92E-09	1.67E-09	4.97E-10	6.94E-09
478876.63, 3850121.93	0.00267	9.737E-06	3.37E-09	1.02E-08	8.04E-09	6.96E-09	3.13E-09	1.13E-10	2.72E-09	1.91E-09	1.65E-09	4.93E-10	6.89E-09
478976.63, 3850121.93	0.00266	9.7E-06	3.36E-09	1.01E-08	8.01E-09	6.93E-09	3.12E-09	1.12E-10	2.71E-09	1.90E-09	1.65E-09	4.91E-10	6.86E-09
479026.63, 3850121.93	0.00264	9.627E-06	3.33E-09	1.01E-08	7.95E-09	6.88E-09	3.09E-09	1.11E-10	2.69E-09	1.89E-09	1.63E-09	4.88E-10	6.81E-09
479076.63, 3850121.93	0.00261	9.518E-06	3.29E-09	9.95E-09	7.86E-09	6.80E-09	3.06E-09	1.10E-10	2.66E-09	1.87E-09	1.62E-09	4.82E-10	6.73E-09
479126.63, 3850121.93	0.00258	9.408E-06	3.26E-09	9.83E-09	7.77E-09	6.72E-09	3.02E-09	1.09E-10	2.63E-09	1.85E-09	1.60E-09	4.77E-10	6.66E-09
478776.63, 3850171.93	0.00274	9.992E-06	3.46E-09	1.04E-08	8.25E-09	7.14E-09	3.21E-09	1.16E-10	2.79E-09	1.96E-09	1.70E-09	5.06E-10	7.07E-09
478826.63, 3850171.93	0.00274	9.992E-06	3.46E-09	1.04E-08	8.25E-09	7.14E-09	3.21E-09	1.16E-10	2.79E-09	1.96E-09	1.70E-09	5.06E-10	7.07E-09
478876.63, 3850171.93	0.00273	9.955E-06	3.45E-09	1.04E-08	8.22E-09	7.11E-09	3.20E-09	1.15E-10	2.78E-09	1.95E-09	1.69E-09	5.04E-10	7.04E-09
478976.63, 3850171.93	0.00273	9.955E-06	3.45E-09	1.04E-08	8.22E-09	7.11E-09	3.20E-09	1.15E-10	2.78E-09	1.95E-09	1.69E-09	5.04E-10	7.04E-09
479026.63, 3850171.93	0.00273	9.955E-06	3.45E-09	1.04E-08	8.22E-09	7.11E-09	3.20E-09	1.15E-10	2.78E-09	1.95E-09	1.69E-09	5.04E-10	7.04E-09
479076.63, 3850171.93	0.0027	9.846E-06	3.41E-09	1.03E-08	8.13E-09	7.03E-09	3.16E-09	1.14E-10	2.75E-09	1.93E-09	1.67E-09	4.99E-10	6.96E-09
479126.63, 3850171.93	0.00267	9.737E-06	3.37E-09	1.02E-08	8.04E-09	6.96E-09	3.13E-09	1.13E-10	2.72E-09	1.91E-09	1.65E-09	4.93E-10	6.89E-09
479176.63, 3850171.93	0.00266	9.7E-06	3.36E-09	1.01E-08	8.01E-09	6.93E-09	3.12E-09	1.12E-10	2.71E-09	1.90E-09	1.65E-09	4.91E-10	6.86E-09
479226.63, 3850171.93	0.00267	9.737E-06	3.37E-09	1.02E-08	8.04E-09	6.96E-09	3.13E-09	1.13E-10	2.72E-09	1.91E-09	1.65E-09	4.93E-10	6.89E-09
479276.63, 3850171.93	0.0027	9.846E-06	3.41E-09	1.03E-08	8.13E-09	7.03E-09	3.16E-09	1.14E-10	2.75E-09	1.93E-09	1.67E-09	4.99E-10	6.96E-09
479326.63, 3850171.93	0.00264	9.627E-06	3.33E-09	1.01E-08	7.95E-09	6.88E-09	3.09E-09	1.11E-10	2.69E-09	1.89E-09	1.63E-09	4.88E-10	6.81E-09
479376.63, 3850171.93	0.00258	9.408E-06	3.26E-09	9.83E-09	7.77E-09	6.72E-09	3.02E-09	1.09E-10	2.63E-09	1.85E-09	1.60E-09	4.77E-10	6.66E-09
478676.63, 3850221.93	0.00272	9.919E-06	3.43E-09	1.04E-08	8.19E-09	7.09E-09	3.19E-09	1.15E-10	2.77E-09	1.95E-09	1.68E-09	5.03E-10	7.02E-09
478726.63, 3850221.93	0.00276	1.006E-05	3.48E-09	1.05E-08	8.31E-09	7.19E-09	3.23E-09	1.16E-10	2.81E-09	1.97E-09	1.71E-09	5.10E-10	7.12E-09
478976.63, 3850221.93	0.0028	1.021E-05	3.53E-09	1.07E-08	8.43E-09	7.29E-09	3.28E-09	1.18E-10	2.85E-09	2.00E-09	1.73E-09	5.17E-10	7.22E-09
479026.63, 3850221.93	0.0028	1.021E-05	3.53E-09	1.07E-08	8.43E-09	7.29E-09	3.28E-09	1.18E-10	2.85E-09	2.00E-09	1.73E-09	5.17E-10	7.22E-09
479076.63, 3850221.93	0.00278	1.014E-05	3.51E-09	1.06E-08	8.37E-09	7.24E-09	3.26E-09	1.17E-10	2.83E-09	1.99E-09	1.72E-09	5.14E-10	7.17E-09
479126.63, 3850221.93	0.00276	1.006E-05	3.48E-09	1.05E-08	8.31E-09	7.19E-09	3.23E-09	1.16E-10	2.81E-09	1.97E-09	1.71E-09	5.10E-10	7.12E-09
479176.63, 3850221.93	0.00276	1.006E-05	3.48E-09	1.05E-08	8.31E-09	7.19E-09	3.23E-09	1.16E-10	2.81E-09	1.97E-09	1.71E-09	5.10E-10	7.12E-09
479226.63, 3850221.93	0.00277	1.01E-05	3.50E-09	1.06E-08	8.34E-09	7.22E-09	3.24E-09	1.17E-10	2.82E-09	1.98E-09	1.71E-09	5.12E-10	7.15E-09
479276.63, 3850221.93	0.00277	1.01E-05	3.50E-09	1.06E-08	8.34E-09	7.22E-09	3.24E-09	1.17E-10	2.82E-09	1.98E-09	1.71E-09	5.12E-10	7.15E-09
479326.63, 3850221.93	0.00272	9.919E-06	3.43E-09	1.04E-08	8.19E-09	7.09E-09	3.19E-09	1.15E-10	2.77E-09	1.95E-09	1.68E-09	5.03E-10	7.02E-09
479376.63, 3850221.93	0.00268	9.773E-06	3.38E-09	1.02E-08	8.07E-09	6.98E-09	3.14E-09	1.13E-10	2.73E-09	1.92E-09	1.66E-09	4.95E-10	6.91E-09
478676.63, 3850271.93	0.00273	9.955E-06	3.45E-09	1.04E-08	8.22E-09	7.11E-09	3.20E-09	1.15E-10	2.78E-09	1.95E-09	1.69E-09	5.04E-10	7.04E-09
478726.63, 3850271.93	0.00277	1.01E-05	3.50E-09	1.06E-08	8.34E-09	7.22E-09	3.24E-09	1.17E-10	2.82E-09	1.98E-09	1.71E-09	5.12E-10	7.15E-09
478976.63, 3850271.93	0.00285	1.039E-05	3.60E-09	1.09E-08	8.58E-09	7.42E-09	3.34E-09	1.20E-10	2.90E-09	2.04E-09	1.76E-09	5.27E-10	7.35E-09
479026.63, 3850271.93	0.00287	1.047E-05	3.62E-09	1.09E-08	8.64E-09	7.48E-09	3.36E-09	1.21E-10	2.92E-09	2.05E-09	1.78E-09	5.30E-10	7.40E-09
479076.63, 3850271.93	0.00287	1.047E-05	3.62E-09	1.09E-08	8.64E-09	7.48E-09	3.36E-09	1.21E-10	2.92E-09	2.05E-09	1.78E-09	5.30E-10	7.40E-09
479126.63, 3850271.93	0.00286	1.043E-05	3.61E-09	1.09E-08	8.61E-09	7.45E-09	3.35E-09	1.21E-10	2.91E-09	2.05E-09	1.77E-09	5.28E-10	7.38E-09
479176.63, 3850271.93	0.00286	1.043E-05	3.61E-09	1.09E-08	8.61E-09	7.45E-09	3.35E-09	1.21E-10	2.91E-09	2.05E-09	1.77E-09	5.28E-10	7.38E-09
479226.63, 3850271.93	0.00286	1.043E-05	3.61E-09	1.09E-08	8.61E-09	7.45E-09	3.35E-09	1.21E-10	2.91E-09	2.05E-09	1.77E-09	5.28E-10	7.38E-09
479276.63, 3850271.93	0.00285	1.039E-05	3.60E-09	1.09E-08	8.58E-09	7.42E-09	3.34E-09	1.20E-10	2.90E-09	2.04E-09	1.76E-09	5.27E-10	7.35E-09
479326.63, 3850271.93	0.0028	1.021E-05	3.53E-09	1.07E-08	8.43E-09	7.29E-09	3.28E-09	1.18E-10	2.85E-09	2.00E-09	1.73E-09	5.17E-10	7.22E-09
479376.63, 3850271.93	0.00273	9.955E-06	3.45E-09	1.04E-08	8.22E-09	7.11E-09	3.20E-09	1.15E-10	2.78E-09	1.95E-09	1.69E-09	5.04E-10	7.04E-09
479053.24, 3850293.52	0.0029	1.058E-05	3.66E-09	1.11E-08	8.73E-09	7.55E-09	3.40E-09	1.22E-10	2.95E-09	2.07E-09	1.80E-09	5.36E-10	7.48E-09
479103.24, 3850293.52	0.0029	1.058E-05	3.66E-09	1.11E-08	8.73E-09	7.55E-09	3.40E-09	1.22E-10	2.95E-09	2.07E-09	1.80E-09	5.36E-10	7.48E-09
479153.24, 3850293.52	0.00289	1.054E-05	3.65E-09	1.10E-08	8.70E-09	7.53E-09	3.39E-09	1.22E-10	2.94E-09	2.07E-09	1.79E-09	5.34E-10	7.45E-09
479203.24, 3850293.52	0.0029	1.058E-05	3.66E-09	1.11E-08	8.73E-09	7.55E-09	3.40E-09	1.22E-10	2.95E-09	2.07E-09	1.80E-09	5.36E-10	7.48E-09
479253.24, 3850293.52	0.00289	1.054E-05	3.65E-09	1.10E-08	8.70E-09	7.53E-09	3.39E-09	1.22E-10	2.94E-09	2.07E-09	1.79E-09	5.34E-10	7.45E-09
479303.24, 3850293.52	0.00285	1.039E-05	3.60E-09	1.09E-08	8.58E-09	7.42E-09	3.34E-09	1.20E-10	2.90E-09	2.04E-09	1.76E-09	5.27E-10	7.35E-09
479353.24, 3850293.52	0.00279	1.017E-05	3.52E-09	1.06E-08	8.40E-09	7.27E-09	3.27E-09	1.18E-10	2.84E-09	2.00E-09	1.73E-09	5.16E-10	7.20E-09
479153.24, 3850343.52	0.00298	1.087E-05	3.76E-09	1.14E-08	8.97E-09	7.76E-09	3.49E-09	1.26E-10	3.03E-09	2.13E-09	1.84E-09	5.51E-10	7.69E-09
479203.24, 3850343.52	0.00298	1.087E-05	3.76E-09	1.14E-08	8.97E-09	7.76E-09	3.49E-09	1.26E-10	3.03E-09	2.13E-09	1.84E-09	5.51E-10	7.69E-09
479253.24, 3850343.52	0.00296	1.079E-05	3.74E-09	1.13E-08	8.91E-09	7.71E-09	3.47E-09	1.25E-10	3.01E-09	2.12E-09	1.83E-09	5.47E-10	7.64E-09
479303.24, 3850343.52	0.00291	1.061E-05	3.67E-09	1.11E-08	8.76E-09	7.58E-09	3.41E-09	1.23E-10	2.96E-09	2.08E-09	1.80E-09	5.38E-10	7.51E-09
479353.24, 3850343.52	0.00287	1.047E-05	3.62E-09	1.09E-08	8.64E-09	7.48E-09	3.36E-09	1.21E-10	2.92E-09	2.05E-09	1.78E-09	5.30E-10	7.40E-09
479203.24, 3850393.52	0.00305	1.112E-05	3.85E-09	1.16E-08	9.18E-09	7.95E-09	3.57E-09	1.29E-10	3.11E-09	2.18E-09	1.89E-09	5.64E-10	7.87E-09
479253.24, 3850393.52	0.00303	1.105E-05	3.82E-09	1.15E-08	9.12E-09	7.89E-09	3.55E-09	1.28E-10	3.09E-09	2.17E-09	1.88E-09	5.60E-10	7.82E-09
479303.24, 3850393.52	0.00299	1.09E-05	3.77E-09	1.14E-08	9.00E-09	7.79E-09	3.50E-09	1.26E-10	3.04E-09	2.14E-09	1.85E-09	5.52E-10	7.71E-09
479353.24, 3850393.52	0.00294	1.072E-05	3.71E-09	1.12E-08	8.85E-09	7.66E-09	3.44E-09	1.24E-10	2.99E-09	2.10E-09	1.82E-09	5.43E-10	7.58E-09
479403.24, 3850393.52	0.0029	1.058E-05	3.66E-09	1.11E-08	8.73E-09	7.55E-09	3.40E-09	1.22E-10	2.95E-09	2.07E-09	1.80E-09	5.36E-10	7.48E-09

479453.24, 3850393.52	0.00283	1.032E-05	3.57E-09	1.08E-08	8.52E-09	7.37E-09	3.32E-09	1.19E-10	2.88E-09	2.02E-09	1.75E-09	5.23E-10	7.30E-09
479503.24, 3850393.52	0.00275	1.003E-05	3.47E-09	1.05E-08	8.28E-09	7.16E-09	3.22E-09	1.16E-10	2.80E-09	1.97E-09	1.70E-09	5.08E-10	7.09E-09
479303.24, 3850443.52	0.00304	1.109E-05	3.84E-09	1.16E-08	9.15E-09	7.92E-09	3.56E-09	1.28E-10	3.10E-09	2.17E-09	1.88E-09	5.62E-10	7.84E-09
479353.24, 3850443.52	0.00299	1.09E-05	3.77E-09	1.14E-08	9.00E-09	7.79E-09	3.50E-09	1.26E-10	3.04E-09	2.14E-09	1.85E-09	5.52E-10	7.71E-09
479403.24, 3850443.52	0.00293	1.068E-05	3.70E-09	1.12E-08	8.82E-09	7.63E-09	3.43E-09	1.24E-10	2.98E-09	2.10E-09	1.81E-09	5.41E-10	7.56E-09
479453.24, 3850443.52	0.00287	1.047E-05	3.62E-09	1.09E-08	8.64E-09	7.48E-09	3.36E-09	1.21E-10	2.92E-09	2.05E-09	1.78E-09	5.30E-10	7.40E-09
479503.24, 3850443.52	0.0028	1.021E-05	3.53E-09	1.07E-08	8.43E-09	7.29E-09	3.28E-09	1.18E-10	2.85E-09	2.00E-09	1.73E-09	5.17E-10	7.22E-09
480327.18, 3850987.04	0.00339	1.236E-05	4.28E-09	1.29E-08	1.02E-08	8.83E-09	3.97E-09	1.43E-10	3.45E-09	2.43E-09	2.10E-09	6.26E-10	8.74E-09
480377.18, 3850987.04	0.00334	1.218E-05	4.22E-09	1.27E-08	1.01E-08	8.70E-09	3.91E-09	1.41E-10	3.40E-09	2.39E-09	2.07E-09	6.17E-10	8.62E-09
480427.18, 3850987.04	0.00327	1.192E-05	4.13E-09	1.25E-08	9.85E-09	8.52E-09	3.83E-09	1.38E-10	3.33E-09	2.34E-09	2.02E-09	6.04E-10	8.43E-09
480477.18, 3850987.04	0.00319	1.163E-05	4.03E-09	1.22E-08	9.60E-09	8.31E-09	3.74E-09	1.34E-10	3.25E-09	2.28E-09	1.97E-09	5.89E-10	8.23E-09
480327.18, 3851037.04	0.00349	1.273E-05	4.41E-09	1.33E-08	1.05E-08	9.09E-09	4.09E-09	1.47E-10	3.55E-09	2.50E-09	2.16E-09	6.45E-10	9.00E-09
480377.18, 3851037.04	0.00343	1.251E-05	4.33E-09	1.31E-08	1.03E-08	8.94E-09	4.02E-09	1.45E-10	3.49E-09	2.45E-09	2.12E-09	6.34E-10	8.85E-09
480427.18, 3851037.04	0.00337	1.229E-05	4.25E-09	1.28E-08	1.01E-08	8.78E-09	3.95E-09	1.42E-10	3.43E-09	2.41E-09	2.09E-09	6.23E-10	8.69E-09
480477.18, 3851037.04	0.00331	1.207E-05	4.18E-09	1.26E-08	9.97E-09	8.62E-09	3.88E-09	1.40E-10	3.37E-09	2.37E-09	2.05E-09	6.12E-10	8.54E-09
480622.06, 3851087.39	0.00328	1.196E-05	4.14E-09	1.25E-08	9.88E-09	8.54E-09	3.84E-09	1.38E-10	3.34E-09	2.35E-09	2.03E-09	6.06E-10	8.46E-09
480672.06, 3851087.39	0.00324	1.182E-05	4.09E-09	1.23E-08	9.75E-09	8.44E-09	3.80E-09	1.37E-10	3.30E-09	2.32E-09	2.01E-09	5.99E-10	8.36E-09
480622.06, 3851137.39	0.0034	1.24E-05	4.29E-09	1.30E-08	1.02E-08	8.86E-09	3.98E-09	1.43E-10	3.46E-09	2.43E-09	2.10E-09	6.28E-10	8.77E-09
480672.06, 3851137.39	0.00336	1.225E-05	4.24E-09	1.28E-08	1.01E-08	8.75E-09	3.94E-09	1.42E-10	3.42E-09	2.40E-09	2.08E-09	6.21E-10	8.67E-09
480722.06, 3851137.39	0.00333	1.214E-05	4.20E-09	1.27E-08	1.00E-08	8.68E-09	3.90E-09	1.40E-10	3.39E-09	2.38E-09	2.06E-09	6.15E-10	8.59E-09
480622.06, 3851187.39	0.00352	1.284E-05	4.44E-09	1.34E-08	1.06E-08	9.17E-09	4.12E-09	1.48E-10	3.58E-09	2.52E-09	2.18E-09	6.50E-10	9.08E-09
480672.06, 3851187.39	0.00349	1.273E-05	4.41E-09	1.33E-08	1.05E-08	9.09E-09	4.09E-09	1.47E-10	3.55E-09	2.50E-09	2.16E-09	6.45E-10	9.00E-09
480722.06, 3851187.39	0.00346	1.262E-05	4.37E-09	1.32E-08	1.04E-08	9.01E-09	4.05E-09	1.46E-10	3.52E-09	2.48E-09	2.14E-09	6.39E-10	8.92E-09
471363.09, 3845877.25	0.00084	3.063E-06	1.06E-09	3.20E-09	2.53E-09	2.19E-09	9.84E-10	3.54E-11	8.55E-10	6.01E-10	5.20E-10	1.55E-10	2.17E-09
471863.09, 3845877.25	0.00088	3.209E-06	1.11E-09	3.35E-09	2.65E-09	2.29E-09	1.03E-09	3.71E-11	8.96E-10	6.30E-10	5.45E-10	1.63E-10	2.27E-09
472363.09, 3845877.25	0.00097	3.537E-06	1.22E-09	3.70E-09	2.92E-09	2.53E-09	1.14E-09	4.09E-11	9.88E-10	6.94E-10	6.00E-10	1.79E-10	2.50E-09
472863.09, 3845877.25	0.00091	3.318E-06	1.15E-09	3.47E-09	2.74E-09	2.37E-09	1.07E-09	3.84E-11	9.27E-10	6.51E-10	5.63E-10	1.68E-10	2.35E-09
473363.09, 3845877.25	0.00092	3.355E-06	1.16E-09	3.51E-09	2.77E-09	2.40E-09	1.08E-09	3.88E-11	9.37E-10	6.58E-10	5.69E-10	1.70E-10	2.37E-09
473863.09, 3845877.25	0.00091	3.318E-06	1.15E-09	3.47E-09	2.74E-09	2.37E-09	1.07E-09	3.84E-11	9.27E-10	6.51E-10	5.63E-10	1.68E-10	2.35E-09
474363.09, 3845877.25	0.00092	3.355E-06	1.16E-09	3.51E-09	2.77E-09	2.40E-09	1.08E-09	3.88E-11	9.37E-10	6.58E-10	5.69E-10	1.70E-10	2.37E-09
474863.09, 3845877.25	0.00094	3.428E-06	1.19E-09	3.58E-09	2.83E-09	2.45E-09	1.10E-09	3.96E-11	9.57E-10	6.72E-10	5.82E-10	1.74E-10	2.42E-09
475363.09, 3845877.25	0.00098	3.574E-06	1.24E-09	3.74E-09	2.95E-09	2.55E-09	1.15E-09	4.13E-11	9.98E-10	7.01E-10	6.07E-10	1.81E-10	2.53E-09
475863.09, 3845877.25	0.00102	3.72E-06	1.29E-09	3.89E-09	3.07E-09	2.66E-09	1.19E-09	4.30E-11	1.04E-09	7.30E-10	6.31E-10	1.88E-10	2.63E-09
476363.09, 3845877.25	0.00102	3.72E-06	1.29E-09	3.89E-09	3.07E-09	2.66E-09	1.19E-09	4.30E-11	1.04E-09	7.30E-10	6.31E-10	1.88E-10	2.63E-09
476863.09, 3845877.25	0.00101	3.683E-06	1.27E-09	3.85E-09	3.04E-09	2.63E-09	1.18E-09	4.26E-11	1.03E-09	7.23E-10	6.25E-10	1.87E-10	2.61E-09
477363.09, 3845877.25	0.00102	3.72E-06	1.29E-09	3.89E-09	3.07E-09	2.66E-09	1.19E-09	4.30E-11	1.04E-09	7.30E-10	6.31E-10	1.88E-10	2.63E-09
477863.09, 3845877.25	0.001	3.647E-06	1.26E-09	3.81E-09	3.01E-09	2.61E-09	1.17E-09	4.22E-11	1.02E-09	7.15E-10	6.19E-10	1.85E-10	2.58E-09
478363.09, 3845877.25	0.001	3.647E-06	1.26E-09	3.81E-09	3.01E-09	2.61E-09	1.17E-09	4.22E-11	1.02E-09	7.15E-10	6.19E-10	1.85E-10	2.58E-09
478863.09, 3845877.25	0.00098	3.574E-06	1.24E-09	3.74E-09	2.95E-09	2.55E-09	1.15E-09	4.13E-11	9.98E-10	7.01E-10	6.07E-10	1.81E-10	2.53E-09
479363.09, 3845877.25	0.00096	3.501E-06	1.21E-09	3.66E-09	2.89E-09	2.50E-09	1.12E-09	4.05E-11	9.77E-10	6.87E-10	5.94E-10	1.77E-10	2.48E-09
479863.09, 3845877.25	0.0009	3.282E-06	1.14E-09	3.43E-09	2.71E-09	2.34E-09	1.05E-09	3.79E-11	9.16E-10	6.44E-10	5.57E-10	1.66E-10	2.32E-09
480363.09, 3845877.25	0.00082	2.99E-06	1.04E-09	3.13E-09	2.47E-09	2.14E-09	9.61E-10	3.46E-11	8.35E-10	5.87E-10	5.08E-10	1.52E-10	2.12E-09
480863.09, 3845877.25	0.00076	2.771E-06	9.59E-10	2.90E-09	2.29E-09	1.98E-09	8.90E-10	3.20E-11	7.74E-10	5.44E-10	4.70E-10	1.40E-10	1.96E-09
481363.09, 3845877.25	0.00071	2.589E-06	8.96E-10	2.71E-09	2.14E-09	1.85E-09	8.32E-10	2.99E-11	7.23E-10	5.08E-10	4.39E-10	1.31E-10	1.83E-09
481863.09, 3845877.25	0.00068	2.48E-06	8.58E-10	2.59E-09	2.05E-09	1.77E-09	7.97E-10	2.87E-11	6.92E-10	4.86E-10	4.21E-10	1.26E-10	1.75E-09
482363.09, 3845877.25	0.00066	2.407E-06	8.33E-10	2.52E-09	1.99E-09	1.72E-09	7.73E-10	2.78E-11	6.72E-10	4.72E-10	4.09E-10	1.22E-10	1.70E-09
482863.09, 3845877.25	0.00062	2.261E-06	7.83E-10	2.36E-09	1.87E-09	1.62E-09	7.26E-10	2.61E-11	6.31E-10	4.44E-10	3.84E-10	1.15E-10	1.60E-09
483363.09, 3845877.25	0.00057	2.079E-06	7.20E-10	2.17E-09	1.72E-09	1.48E-09	6.68E-10	2.40E-11	5.80E-10	4.08E-10	3.53E-10	1.05E-10	1.47E-09
483863.09, 3845877.25	0.00059	2.152E-06	7.45E-10	2.25E-09	1.78E-09	1.54E-09	6.91E-10	2.49E-11	6.01E-10	4.22E-10	3.65E-10	1.09E-10	1.52E-09
484363.09, 3845877.25	0.00058	2.115E-06	7.32E-10	2.21E-09	1.75E-09	1.51E-09	6.79E-10	2.44E-11	5.91E-10	4.15E-10	3.59E-10	1.07E-10	1.50E-09
484863.09, 3845877.25	0.00058	2.115E-06	7.32E-10	2.21E-09	1.75E-09	1.51E-09	6.79E-10	2.44E-11	5.91E-10	4.15E-10	3.59E-10	1.07E-10	1.50E-09
485363.09, 3845877.25	0.00057	2.079E-06	7.20E-10	2.17E-09	1.72E-09	1.48E-09	6.68E-10	2.40E-11	5.80E-10	4.08E-10	3.53E-10	1.05E-10	1.47E-09
485863.09, 3845877.25	0.00056	2.042E-06	7.07E-10	2.13E-09	1.69E-09	1.46E-09	6.56E-10	2.36E-11	5.70E-10	4.01E-10	3.47E-10	1.03E-10	1.44E-09
486363.09, 3845877.25	0.00053	1.933E-06	6.69E-10	2.02E-09	1.60E-09	1.38E-09	6.21E-10	2.23E-11	5.40E-10	3.79E-10	3.28E-10	9.79E-11	1.37E-09
486863.09, 3845877.25	0.00051	1.86E-06	6.44E-10	1.94E-09	1.54E-09	1.33E-09	5.97E-10	2.15E-11	5.19E-10	3.65E-10	3.16E-10	9.42E-11	1.32E-09
487363.09, 3845877.25	0.0005	1.823E-06	6.31E-10	1.91E-09	1.51E-09	1.30E-09	5.86E-10	2.11E-11	5.09E-10	3.58E-10	3.09E-10	9.24E-11	1.29E-09
487863.09, 3845877.25	0.00048	1.75E-06	6.06E-10	1.83E-09	1.45E-09	1.25E-09	5.62E-10	2.02E-11	4.89E-10	3.43E-10	2.97E-10	8.87E-11	1.24E-09
488363.09, 3845877.25	0.00048	1.75E-06	6.06E-10	1.83E-09	1.45E-09	1.25E-09	5.62E-10	2.02E-11	4.89E-10	3.43E-10	2.97E-10	8.87E-11	1.24E-09
488863.09, 3845877.25	0.0005	1.823E-06	6.31E-10	1.91E-09	1.51E-09	1.30E-09	5.86E-10	2.11E-11	5.09E-10	3.58E-10	3.09E-10	9.24E-11	1.29E-09
489363.09, 3845877.25	0.00051	1.86E-06	6.44E-10	1.94E-09	1.54E-09	1.33E-09	5.97E-10	2.15E-11	5.19E-10	3.65E-10	3.16E-10	9.42E-11	1.32E-09
489863.09, 3845877.25	0.00048	1.75E-06	6.06E-10	1.83E-09	1.45E-09	1.25E-09	5.62E-10	2.02E-11	4.89E-10	3.43E-10	2.97E-10	8.87E-11	1.24E-09
490363.09, 3845877.25	0.00044	1.605E-06	5.55E-10	1.68E-09	1.32E-09	1.15E-09	5.15E-10	1.85E-11	4.48E-10	3.15E-10	2.72E-10	8.13E-11	1.13E-09
490863.09, 3845877.25	0.00039	1.422E-06	4.92E-10	1.49E-09	1.17E-09	1.02E-09	4.57E-10	1.64E-11	3.97E-10	2.79E-10	2.41E-10	7.21E-11	1.01E-09
491363.09, 3845877.25	0.00039	1.422E-06	4.92E-10	1.49E-09	1.17E-09	1.02E-09	4.57E-10	1.64E-11	3.97E-10	2.79E-10	2.41E-10	7.21E-11	1.01E-09
491863.09, 3845877.25	0.00039	1.422E-06	4.92E-10	1.49E-09	1.17E-09	1.02E-09	4.57E-10	1.64E-11	3.97E-10	2.79E-10	2.41E-10	7.21E-11	1.01E-09
492363.09, 3845877.25	0.00036	1.313E-06	4.54E-10	1.37E-09	1.08E-09	9.38E-10	4.22E-10	1.52E-11	3.67E-10	2.58E-10	2.23E-10	6.65E-11	9.29E-10
492863.09, 3845877.25	0.00039	1.422E-06	4.92E-10	1.49E-09	1.17E-09	1.02E-09	4.57E-10	1.64E-11	3.97E-10	2.79E-10	2.41E-10	7.21E-11	1.01E-09
493363.09, 3845877.25	0.0004	1.459E-06	5.05E-10	1.52E-09	1.20E-09	1.04E-09	4.69E-10	1.69E-11	4.07E-10	2.86E-10	2.48E-10	7.39E-11	1.03E-09
493863.09, 3845877.25	0.00039	1.422E-06	4.92E-10	1.49E-09	1.17E-09	1.02E-09	4.57E-10	1.64E-11	3.97E-10	2.79E-10	2.41E-10	7.21E-11	1.01E-09
494363.09, 3845877.25	0.00037	1.349E-06	4.67E-10	1.41E-09	1.11E-09	9.64E-10	4.33E-10	1.56E-11	3.77E-10	2.65E-10	2.29E-10	6.84E-11	9.54E-10
494863.09, 3845877.25	0.00036	1.313E-06	4.54E-10	1.37E-09	1.08E-09	9.38E-10	4.22E-10	1.52E-11	3.67E-10	2.58E-10	2.23E-10	6.65E-11	9.29E-10
495363.09, 3845877.25	0.00038	1.386E-06	4.80E-10	1.45E-09	1.14E-09	9.90E-10	4.45E-10	1.60E-11	3.87E-10	2.72E-10	2.35E-10	7.02E-11	9.80E-10
495863.09, 3845877.25	0.00038	1.386E-06	4.80E-10	1.45E-09	1.14E-09	9.90E-10	4.45E-10	1.60E-11	3.87E-10	2.72E-10	2.35E-10	7.02E-11	9.80E-10
496363.09, 3845877.25	0.00037	1.349E-06	4.67E-10	1.41E-09	1.11E-09	9.64E-10	4.33E-10	1.56E-11	3.77E-10	2.65E-10	2.29E-10	6.84E-11	9.54E-10
496863.09, 3845877.25	0.00035	1.276E-06	4.42E-10	1.33E-09	1.05E-09	9.12E-10	4.10E-10	1.48E-11	3.56E-10	2.50E-10	2.17E-10	6.47E-11	9.03E-10
497363.09, 3845877.25	0.00036	1.313E-06	4.54E-10	1.37E-09	1.08E-09	9.38E-10	4.22E-10	1.52E-11	3.67E-10	2.58E-10	2.23E-10	6.65E-11	9.29E-10
497863.09, 3845877.25	0.00037	1.349E-06	4.67E-10	1.41E-09	1.11E-09	9.64E-10	4.33E-10	1.56E-11	3.77E-10	2.65E-10	2.29E-10	6.84E-11	9.54E-10
498363.09, 3845877.25	0.00039	1.422E-06	4.92E-10	1.49E-09	1.17E-09	1.02E-09	4.57E-10	1.64E-11	3.97E-10	2.79E-10	2.41E-10	7.21E-11	1.01E-09
471363.09, 3846377.25	0.00112	4.084E-06	1.41E-09	4.27E-09	3.37E-09	2.92E-09	1.31E-09	4.72E-11	1.14E-09	8.01E-10	6.93E-10	2.07E-10	2.89E-09
471863.09, 3846377.25	0.00104	3.793E-06	1.31E-09	3.96E-09	3.13E-09	2.71E-09	1.22E-09	4.38E-11	1.06E-09	7.44E-10	6.44E-10	1.92E-10	2.68E-09

472363.09, 3846377.25	0.0009	3.282E-06	1.14E-09	3.43E-09	2.71E-09	2.34E-09	1.05E-09	3.79E-11	9.16E-10	6.44E-10	5.57E-10	1.66E-10	2.32E-09
472863.09, 3846377.25	0.00097	3.537E-06	1.22E-09	3.70E-09	2.92E-09	2.53E-09	1.14E-09	4.09E-11	9.88E-10	6.94E-10	6.00E-10	1.79E-10	2.50E-09
473363.09, 3846377.25	0.00099	3.61E-06	1.25E-09	3.77E-09	2.98E-09	2.58E-09	1.16E-09	4.17E-11	1.01E-09	7.08E-10	6.13E-10	1.83E-10	2.55E-09
473863.09, 3846377.25	0.00103	3.756E-06	1.30E-09	3.93E-09	3.10E-09	2.68E-09	1.21E-09	4.34E-11	1.05E-09	7.37E-10	6.38E-10	1.90E-10	2.66E-09
474363.09, 3846377.25	0.00103	3.756E-06	1.30E-09	3.93E-09	3.10E-09	2.68E-09	1.21E-09	4.34E-11	1.05E-09	7.37E-10	6.38E-10	1.90E-10	2.66E-09
474863.09, 3846377.25	0.00104	3.793E-06	1.31E-09	3.96E-09	3.13E-09	2.71E-09	1.22E-09	4.38E-11	1.06E-09	7.44E-10	6.44E-10	1.92E-10	2.68E-09
475363.09, 3846377.25	0.00104	3.793E-06	1.31E-09	3.96E-09	3.13E-09	2.71E-09	1.22E-09	4.38E-11	1.06E-09	7.44E-10	6.44E-10	1.92E-10	2.68E-09
475863.09, 3846377.25	0.00108	3.938E-06	1.36E-09	4.12E-09	3.25E-09	2.81E-09	1.27E-09	4.55E-11	1.10E-09	7.73E-10	6.68E-10	2.00E-10	2.79E-09
476363.09, 3846377.25	0.00107	3.902E-06	1.35E-09	4.08E-09	3.22E-09	2.79E-09	1.25E-09	4.51E-11	1.09E-09	7.65E-10	6.62E-10	1.98E-10	2.76E-09
476863.09, 3846377.25	0.00108	3.938E-06	1.36E-09	4.12E-09	3.25E-09	2.81E-09	1.27E-09	4.55E-11	1.10E-09	7.73E-10	6.68E-10	2.00E-10	2.79E-09
477363.09, 3846377.25	0.00108	3.938E-06	1.36E-09	4.12E-09	3.25E-09	2.81E-09	1.27E-09	4.55E-11	1.10E-09	7.73E-10	6.68E-10	2.00E-10	2.79E-09
477863.09, 3846377.25	0.00106	3.865E-06	1.34E-09	4.04E-09	3.19E-09	2.76E-09	1.24E-09	4.47E-11	1.08E-09	7.58E-10	6.56E-10	1.96E-10	2.73E-09
478363.09, 3846377.25	0.00105	3.829E-06	1.33E-09	4.00E-09	3.16E-09	2.74E-09	1.23E-09	4.43E-11	1.07E-09	7.51E-10	6.50E-10	1.94E-10	2.71E-09
478863.09, 3846377.25	0.00108	3.938E-06	1.36E-09	4.12E-09	3.25E-09	2.81E-09	1.27E-09	4.55E-11	1.10E-09	7.73E-10	6.68E-10	2.00E-10	2.79E-09
479363.09, 3846377.25	0.00106	3.865E-06	1.34E-09	4.04E-09	3.19E-09	2.76E-09	1.24E-09	4.47E-11	1.08E-09	7.58E-10	6.56E-10	1.96E-10	2.73E-09
479863.09, 3846377.25	0.001	3.647E-06	1.26E-09	3.81E-09	3.01E-09	2.61E-09	1.17E-09	4.22E-11	1.02E-09	7.15E-10	6.19E-10	1.85E-10	2.58E-09
480363.09, 3846377.25	0.00095	3.464E-06	1.20E-09	3.62E-09	2.86E-09	2.47E-09	1.11E-09	4.00E-11	9.67E-10	6.80E-10	5.88E-10	1.76E-10	2.45E-09
480863.09, 3846377.25	0.00085	3.1E-06	1.07E-09	3.24E-09	2.56E-09	2.21E-09	9.96E-10	3.58E-11	8.65E-10	6.08E-10	5.26E-10	1.57E-10	2.19E-09
481363.09, 3846377.25	0.00079	2.881E-06	9.97E-10	3.01E-09	2.38E-09	2.06E-09	9.25E-10	3.33E-11	8.04E-10	5.65E-10	4.89E-10	1.46E-10	2.04E-09
481863.09, 3846377.25	0.00074	2.699E-06	9.34E-10	2.82E-09	2.23E-09	1.93E-09	8.67E-10	3.12E-11	7.53E-10	5.29E-10	4.58E-10	1.37E-10	1.91E-09
482363.09, 3846377.25	0.0007	2.553E-06	8.84E-10	2.67E-09	2.11E-09	1.82E-09	8.20E-10	2.95E-11	7.13E-10	5.01E-10	4.33E-10	1.29E-10	1.81E-09
482863.09, 3846377.25	0.00067	2.443E-06	8.46E-10	2.55E-09	2.02E-09	1.75E-09	7.85E-10	2.82E-11	6.82E-10	4.79E-10	4.15E-10	1.24E-10	1.73E-09
483363.09, 3846377.25	0.00067	2.443E-06	8.46E-10	2.55E-09	2.02E-09	1.75E-09	7.85E-10	2.82E-11	6.82E-10	4.79E-10	4.15E-10	1.24E-10	1.73E-09
483863.09, 3846377.25	0.00064	2.334E-06	8.08E-10	2.44E-09	1.93E-09	1.67E-09	7.50E-10	2.70E-11	6.52E-10	4.58E-10	3.96E-10	1.18E-10	1.65E-09
484363.09, 3846377.25	0.00061	2.224E-06	7.70E-10	2.33E-09	1.84E-09	1.59E-09	7.15E-10	2.57E-11	6.21E-10	4.36E-10	3.78E-10	1.13E-10	1.57E-09
484863.09, 3846377.25	0.00061	2.224E-06	7.70E-10	2.33E-09	1.84E-09	1.59E-09	7.15E-10	2.57E-11	6.21E-10	4.36E-10	3.78E-10	1.13E-10	1.57E-09
485363.09, 3846377.25	0.00062	2.261E-06	7.83E-10	2.36E-09	1.87E-09	1.62E-09	7.26E-10	2.61E-11	6.31E-10	4.44E-10	3.84E-10	1.15E-10	1.60E-09
485863.09, 3846377.25	0.0006	2.188E-06	7.57E-10	2.29E-09	1.81E-09	1.56E-09	7.03E-10	2.53E-11	6.11E-10	4.29E-10	3.71E-10	1.11E-10	1.55E-09
486363.09, 3846377.25	0.00056	2.042E-06	7.07E-10	2.13E-09	1.69E-09	1.46E-09	6.56E-10	2.36E-11	5.70E-10	4.01E-10	3.47E-10	1.03E-10	1.44E-09
486863.09, 3846377.25	0.00053	1.933E-06	6.69E-10	2.02E-09	1.60E-09	1.38E-09	6.21E-10	2.23E-11	5.40E-10	3.79E-10	3.28E-10	9.79E-11	1.37E-09
487363.09, 3846377.25	0.00053	1.933E-06	6.69E-10	2.02E-09	1.60E-09	1.38E-09	6.21E-10	2.23E-11	5.40E-10	3.79E-10	3.28E-10	9.79E-11	1.37E-09
487863.09, 3846377.25	0.00054	1.969E-06	6.82E-10	2.06E-09	1.63E-09	1.41E-09	6.33E-10	2.28E-11	5.50E-10	3.86E-10	3.34E-10	9.98E-11	1.39E-09
488363.09, 3846377.25	0.00053	1.933E-06	6.69E-10	2.02E-09	1.60E-09	1.38E-09	6.21E-10	2.23E-11	5.40E-10	3.79E-10	3.28E-10	9.79E-11	1.37E-09
488863.09, 3846377.25	0.00053	1.933E-06	6.69E-10	2.02E-09	1.60E-09	1.38E-09	6.21E-10	2.23E-11	5.40E-10	3.79E-10	3.28E-10	9.79E-11	1.37E-09
489363.09, 3846377.25	0.00053	1.933E-06	6.69E-10	2.02E-09	1.60E-09	1.38E-09	6.21E-10	2.23E-11	5.40E-10	3.79E-10	3.28E-10	9.79E-11	1.37E-09
489863.09, 3846377.25	0.00052	1.896E-06	6.56E-10	1.98E-09	1.57E-09	1.35E-09	6.09E-10	2.19E-11	5.29E-10	3.72E-10	3.22E-10	9.61E-11	1.34E-09
490363.09, 3846377.25	0.00046	1.677E-06	5.81E-10	1.75E-09	1.38E-09	1.20E-09	5.39E-10	1.94E-11	4.68E-10	3.29E-10	2.85E-10	8.50E-11	1.19E-09
490863.09, 3846377.25	0.00042	1.532E-06	5.30E-10	1.60E-09	1.26E-09	1.09E-09	4.92E-10	1.77E-11	4.28E-10	3.00E-10	2.60E-10	7.76E-11	1.08E-09
491363.09, 3846377.25	0.0004	1.459E-06	5.05E-10	1.52E-09	1.20E-09	1.04E-09	4.69E-10	1.69E-11	4.07E-10	2.86E-10	2.48E-10	7.39E-11	1.03E-09
491863.09, 3846377.25	0.00041	1.495E-06	5.18E-10	1.56E-09	1.23E-09	1.07E-09	4.80E-10	1.73E-11	4.17E-10	2.93E-10	2.54E-10	7.58E-11	1.06E-09
492363.09, 3846377.25	0.0004	1.459E-06	5.05E-10	1.52E-09	1.20E-09	1.04E-09	4.69E-10	1.69E-11	4.07E-10	2.86E-10	2.48E-10	7.39E-11	1.03E-09
492863.09, 3846377.25	0.0004	1.459E-06	5.05E-10	1.52E-09	1.20E-09	1.04E-09	4.69E-10	1.69E-11	4.07E-10	2.86E-10	2.48E-10	7.39E-11	1.03E-09
493363.09, 3846377.25	0.00043	1.568E-06	5.43E-10	1.64E-09	1.29E-09	1.12E-09	5.04E-10	1.81E-11	4.38E-10	3.08E-10	2.66E-10	7.95E-11	1.11E-09
493863.09, 3846377.25	0.00042	1.532E-06	5.30E-10	1.60E-09	1.26E-09	1.09E-09	4.92E-10	1.77E-11	4.28E-10	3.00E-10	2.60E-10	7.76E-11	1.08E-09
494363.09, 3846377.25	0.00039	1.422E-06	4.92E-10	1.49E-09	1.17E-09	1.02E-09	4.57E-10	1.64E-11	3.97E-10	2.79E-10	2.41E-10	7.21E-11	1.01E-09
494863.09, 3846377.25	0.00038	1.386E-06	4.80E-10	1.45E-09	1.14E-09	9.90E-10	4.45E-10	1.60E-11	3.87E-10	2.72E-10	2.35E-10	7.02E-11	9.80E-10
495363.09, 3846377.25	0.0004	1.459E-06	5.05E-10	1.52E-09	1.20E-09	1.04E-09	4.69E-10	1.69E-11	4.07E-10	2.86E-10	2.48E-10	7.39E-11	1.03E-09
495863.09, 3846377.25	0.0004	1.459E-06	5.05E-10	1.52E-09	1.20E-09	1.04E-09	4.69E-10	1.69E-11	4.07E-10	2.86E-10	2.48E-10	7.39E-11	1.03E-09
496363.09, 3846377.25	0.00039	1.422E-06	4.92E-10	1.49E-09	1.17E-09	1.02E-09	4.57E-10	1.64E-11	3.97E-10	2.79E-10	2.41E-10	7.21E-11	1.01E-09
496863.09, 3846377.25	0.00037	1.349E-06	4.67E-10	1.41E-09	1.11E-09	9.64E-10	4.33E-10	1.56E-11	3.77E-10	2.65E-10	2.29E-10	6.84E-11	9.54E-10
497363.09, 3846377.25	0.00038	1.386E-06	4.80E-10	1.45E-09	1.14E-09	9.90E-10	4.45E-10	1.60E-11	3.87E-10	2.72E-10	2.35E-10	7.02E-11	9.80E-10
497863.09, 3846377.25	0.00039	1.422E-06	4.92E-10	1.49E-09	1.17E-09	1.02E-09	4.57E-10	1.64E-11	3.97E-10	2.79E-10	2.41E-10	7.21E-11	1.01E-09
498363.09, 3846377.25	0.00041	1.495E-06	5.18E-10	1.56E-09	1.23E-09	1.07E-09	4.80E-10	1.73E-11	4.17E-10	2.93E-10	2.54E-10	7.58E-11	1.06E-09
471363.09, 3846877.25	0.00117	4.267E-06	1.48E-09	4.46E-09	3.52E-09	3.05E-09	1.37E-09	4.93E-11	1.19E-09	8.37E-10	7.24E-10	2.16E-10	3.02E-09
471863.09, 3846877.25	0.0012	4.376E-06	1.51E-09	4.57E-09	3.61E-09	3.13E-09	1.41E-09	5.06E-11	1.22E-09	8.58E-10	7.43E-10	2.22E-10	3.10E-09
472363.09, 3846877.25	0.00114	4.157E-06	1.44E-09	4.35E-09	3.43E-09	2.97E-09	1.34E-09	4.81E-11	1.16E-09	8.16E-10	7.06E-10	2.11E-10	2.94E-09
472863.09, 3846877.25	0.0009	3.282E-06	1.14E-09	3.43E-09	2.71E-09	2.34E-09	1.05E-09	3.79E-11	9.16E-10	6.44E-10	5.57E-10	1.66E-10	2.32E-09
473363.09, 3846877.25	0.00103	3.756E-06	1.30E-09	3.93E-09	3.10E-09	2.68E-09	1.21E-09	4.34E-11	1.05E-09	7.37E-10	6.38E-10	1.90E-10	2.66E-09
473863.09, 3846877.25	0.00113	4.121E-06	1.43E-09	4.31E-09	3.40E-09	2.94E-09	1.32E-09	4.76E-11	1.15E-09	8.08E-10	6.99E-10	2.09E-10	2.91E-09
474363.09, 3846877.25	0.00113	4.121E-06	1.43E-09	4.31E-09	3.40E-09	2.94E-09	1.32E-09	4.76E-11	1.15E-09	8.08E-10	6.99E-10	2.09E-10	2.91E-09
474863.09, 3846877.25	0.00112	4.084E-06	1.41E-09	4.27E-09	3.37E-09	2.92E-09	1.31E-09	4.72E-11	1.14E-09	8.01E-10	6.93E-10	2.07E-10	2.89E-09
475363.09, 3846877.25	0.00109	3.975E-06	1.38E-09	4.15E-09	3.28E-09	2.84E-09	1.28E-09	4.59E-11	1.11E-09	7.80E-10	6.75E-10	2.01E-10	2.81E-09
475863.09, 3846877.25	0.00114	4.157E-06	1.44E-09	4.35E-09	3.43E-09	2.97E-09	1.34E-09	4.81E-11	1.16E-09	8.16E-10	7.06E-10	2.11E-10	2.94E-09
476363.09, 3846877.25	0.00115	4.194E-06	1.45E-09	4.38E-09	3.46E-09	3.00E-09	1.35E-09	4.85E-11	1.17E-09	8.23E-10	7.12E-10	2.12E-10	2.97E-09
476863.09, 3846877.25	0.00113	4.121E-06	1.43E-09	4.31E-09	3.40E-09	2.94E-09	1.32E-09	4.76E-11	1.15E-09	8.08E-10	6.99E-10	2.09E-10	2.91E-09
477363.09, 3846877.25	0.00115	4.194E-06	1.45E-09	4.38E-09	3.46E-09	3.00E-09	1.35E-09	4.85E-11	1.17E-09	8.23E-10	7.12E-10	2.12E-10	2.97E-09
477863.09, 3846877.25	0.00113	4.121E-06	1.43E-09	4.31E-09	3.40E-09	2.94E-09	1.32E-09	4.76E-11	1.15E-09	8.08E-10	6.99E-10	2.09E-10	2.91E-09
478363.09, 3846877.25	0.00114	4.157E-06	1.44E-09	4.35E-09	3.43E-09	2.97E-09	1.34E-09	4.81E-11	1.16E-09	8.16E-10	7.06E-10	2.11E-10	2.94E-09
478863.09, 3846877.25	0.00117	4.267E-06	1.48E-09	4.46E-09	3.52E-09	3.05E-09	1.37E-09	4.93E-11	1.19E-09	8.37E-10	7.24E-10	2.16E-10	3.02E-09
479363.09, 3846877.25	0.00115	4.194E-06	1.45E-09	4.38E-09	3.46E-09	3.00E-09	1.35E-09	4.85E-11	1.17E-09	8.23E-10	7.12E-10	2.12E-10	2.97E-09
479863.09, 3846877.25	0.00104	3.793E-06	1.31E-09	3.96E-09	3.13E-09	2.71E-09	1.22E-09	4.38E-11	1.06E-09	7.44E-10	6.44E-10	1.92E-10	2.68E-09
480363.09, 3846877.25	0.00096	3.501E-06	1.21E-09	3.66E-09	2.89E-09	2.50E-09	1.12E-09	4.05E-11	9.77E-10	6.87E-10	5.94E-10	1.77E-10	2.48E-09
480863.09, 3846877.25	0.0009	3.282E-06	1.14E-09	3.43E-09	2.71E-09	2.34E-09	1.05E-09	3.79E-11	9.16E-10	6.44E-10	5.57E-10	1.66E-10	2.32E-09
481363.09, 3846877.25	0.00086	3.136E-06	1.09E-09	3.28E-09	2.59E-09	2.24E-09	1.01E-09	3.63E-11	8.76E-10	6.15E-10	5.32E-10	1.59E-10	2.22E-09
481863.09, 3846877.25	0.00081	2.954E-06	1.02E-09	3.09E-09	2.44E-09	2.11E-09	9.49E-10	3.41E-11	8.25E-10	5.79E-10	5.01E-10	1.50E-10	2.09E-09
482363.09, 3846877.25	0.00074	2.699E-06	9.34E-10	2.82E-09	2.23E-09	1.93E-09	8.67E-10	3.12E-11	7.53E-10	5.29E-10	4.58E-10	1.37E-10	1.91E-09
482863.09, 3846877.25	0.00073	2.662E-06	9.22E-10	2.78E-09	2.20E-09	1.90E-09	8.55E-10	3.08E-11	7.43E-10	5.22E-10	4.52E-10	1.35E-10	1.88E-09
483363.09, 3846877.25	0.00072	2.626E-06	9.09E-10	2.74E-09	2.17E-09	1.88E-09	8.43E-10	3.04E-11	7.33E-10	5.15E-10	4.46E-10	1.33E-10	1.86E-09
483863.09, 3846877.25	0.00071	2.589E-06	8.96E-10	2.71E-09	2.14E-09	1.85E-09	8.32E-10	2.99E-11	7.23E-10	5.08E-10	4.39E-10	1.31E-10	1.83E-09
484363.09, 3846877.25	0.00067	2.443E-06	8.46E-10	2.55E-09	2.02E-09	1.75E-09	7.85E-10	2.82E-11	6.82E-10	4.79E-10	4.15E-10	1.24E-10	1.73E-09

484863.09, 3846877.25	0.00064	2.334E-06	8.08E-10	2.44E-09	1.93E-09	1.67E-09	7.50E-10	2.70E-11	6.52E-10	4.58E-10	3.96E-10	1.18E-10	1.65E-09
485363.09, 3846877.25	0.00065	2.37E-06	8.21E-10	2.48E-09	1.96E-09	1.69E-09	7.61E-10	2.74E-11	6.62E-10	4.65E-10	4.02E-10	1.20E-10	1.68E-09
485863.09, 3846877.25	0.00064	2.334E-06	8.08E-10	2.44E-09	1.93E-09	1.67E-09	7.50E-10	2.70E-11	6.52E-10	4.58E-10	3.96E-10	1.18E-10	1.65E-09
486363.09, 3846877.25	0.00063	2.297E-06	7.95E-10	2.40E-09	1.90E-09	1.64E-09	7.38E-10	2.66E-11	6.41E-10	4.51E-10	3.90E-10	1.16E-10	1.63E-09
486863.09, 3846877.25	0.00059	2.152E-06	7.45E-10	2.25E-09	1.78E-09	1.54E-09	6.91E-10	2.49E-11	6.01E-10	4.22E-10	3.65E-10	1.09E-10	1.52E-09
487363.09, 3846877.25	0.00058	2.115E-06	7.32E-10	2.21E-09	1.75E-09	1.51E-09	6.79E-10	2.44E-11	5.91E-10	4.15E-10	3.59E-10	1.07E-10	1.50E-09
487863.09, 3846877.25	0.00057	2.079E-06	7.20E-10	2.17E-09	1.72E-09	1.48E-09	6.68E-10	2.40E-11	5.80E-10	4.08E-10	3.53E-10	1.05E-10	1.47E-09
488363.09, 3846877.25	0.00056	2.042E-06	7.07E-10	2.13E-09	1.69E-09	1.46E-09	6.56E-10	2.36E-11	5.70E-10	4.01E-10	3.47E-10	1.03E-10	1.44E-09
488863.09, 3846877.25	0.00056	2.042E-06	7.07E-10	2.13E-09	1.69E-09	1.46E-09	6.56E-10	2.36E-11	5.70E-10	4.01E-10	3.47E-10	1.03E-10	1.44E-09
489363.09, 3846877.25	0.00056	2.042E-06	7.07E-10	2.13E-09	1.69E-09	1.46E-09	6.56E-10	2.36E-11	5.70E-10	4.01E-10	3.47E-10	1.03E-10	1.44E-09
489863.09, 3846877.25	0.00056	2.042E-06	7.07E-10	2.13E-09	1.69E-09	1.46E-09	6.56E-10	2.36E-11	5.70E-10	4.01E-10	3.47E-10	1.03E-10	1.44E-09
490363.09, 3846877.25	0.0005	1.823E-06	6.31E-10	1.91E-09	1.51E-09	1.30E-09	5.86E-10	2.11E-11	5.09E-10	3.58E-10	3.09E-10	9.24E-11	1.29E-09
490863.09, 3846877.25	0.00048	1.75E-06	6.06E-10	1.83E-09	1.45E-09	1.25E-09	5.62E-10	2.02E-11	4.89E-10	3.43E-10	2.97E-10	8.87E-11	1.24E-09
491363.09, 3846877.25	0.00045	1.641E-06	5.68E-10	1.72E-09	1.35E-09	1.17E-09	5.27E-10	1.90E-11	4.58E-10	3.22E-10	2.79E-10	8.31E-11	1.16E-09
491863.09, 3846877.25	0.00042	1.532E-06	5.30E-10	1.60E-09	1.26E-09	1.09E-09	4.92E-10	1.77E-11	4.28E-10	3.00E-10	2.60E-10	7.76E-11	1.08E-09
492363.09, 3846877.25	0.00045	1.641E-06	5.68E-10	1.72E-09	1.35E-09	1.17E-09	5.27E-10	1.90E-11	4.58E-10	3.22E-10	2.79E-10	8.31E-11	1.16E-09
492863.09, 3846877.25	0.00045	1.641E-06	5.68E-10	1.72E-09	1.35E-09	1.17E-09	5.27E-10	1.90E-11	4.58E-10	3.22E-10	2.79E-10	8.31E-11	1.16E-09
493363.09, 3846877.25	0.00046	1.677E-06	5.81E-10	1.75E-09	1.38E-09	1.20E-09	5.39E-10	1.94E-11	4.68E-10	3.29E-10	2.85E-10	8.50E-11	1.19E-09
493863.09, 3846877.25	0.00044	1.605E-06	5.55E-10	1.68E-09	1.32E-09	1.15E-09	5.15E-10	1.85E-11	4.48E-10	3.15E-10	2.72E-10	8.13E-11	1.13E-09
494363.09, 3846877.25	0.00041	1.495E-06	5.18E-10	1.56E-09	1.23E-09	1.07E-09	4.80E-10	1.73E-11	4.17E-10	2.93E-10	2.54E-10	7.58E-11	1.06E-09
494863.09, 3846877.25	0.0004	1.459E-06	5.05E-10	1.52E-09	1.20E-09	1.04E-09	4.69E-10	1.69E-11	4.07E-10	2.86E-10	2.48E-10	7.39E-11	1.03E-09
495363.09, 3846877.25	0.00041	1.495E-06	5.18E-10	1.56E-09	1.23E-09	1.07E-09	4.80E-10	1.73E-11	4.17E-10	2.93E-10	2.54E-10	7.58E-11	1.06E-09
495863.09, 3846877.25	0.00041	1.495E-06	5.18E-10	1.56E-09	1.23E-09	1.07E-09	4.80E-10	1.73E-11	4.17E-10	2.93E-10	2.54E-10	7.58E-11	1.06E-09
496363.09, 3846877.25	0.0004	1.459E-06	5.05E-10	1.52E-09	1.20E-09	1.04E-09	4.69E-10	1.69E-11	4.07E-10	2.86E-10	2.48E-10	7.39E-11	1.03E-09
496863.09, 3846877.25	0.00038	1.386E-06	4.80E-10	1.45E-09	1.14E-09	9.90E-10	4.45E-10	1.60E-11	3.87E-10	2.72E-10	2.35E-10	7.02E-11	9.80E-10
497363.09, 3846877.25	0.00039	1.422E-06	4.92E-10	1.49E-09	1.17E-09	1.02E-09	4.57E-10	1.64E-11	3.97E-10	2.79E-10	2.41E-10	7.21E-11	1.01E-09
497863.09, 3846877.25	0.00041	1.495E-06	5.18E-10	1.56E-09	1.23E-09	1.07E-09	4.80E-10	1.73E-11	4.17E-10	2.93E-10	2.54E-10	7.58E-11	1.06E-09
498363.09, 3846877.25	0.00043	1.568E-06	5.43E-10	1.64E-09	1.29E-09	1.12E-09	5.04E-10	1.81E-11	4.38E-10	3.08E-10	2.66E-10	7.95E-11	1.11E-09
471363.09, 3847377.25	0.00125	4.558E-06	1.58E-09	4.76E-09	3.76E-09	3.26E-09	1.46E-09	5.27E-11	1.27E-09	8.94E-10	7.74E-10	2.31E-10	3.22E-09
471863.09, 3847377.25	0.00125	4.558E-06	1.58E-09	4.76E-09	3.76E-09	3.26E-09	1.46E-09	5.27E-11	1.27E-09	8.94E-10	7.74E-10	2.31E-10	3.22E-09
472363.09, 3847377.25	0.00126	4.595E-06	1.59E-09	4.80E-09	3.79E-09	3.28E-09	1.48E-09	5.31E-11	1.28E-09	9.01E-10	7.80E-10	2.33E-10	3.25E-09
472863.09, 3847377.25	0.00119	4.34E-06	1.50E-09	4.54E-09	3.58E-09	3.10E-09	1.39E-09	5.02E-11	1.21E-09	8.51E-10	7.37E-10	2.20E-10	3.07E-09
473363.09, 3847377.25	0.00101	3.683E-06	1.27E-09	3.85E-09	3.04E-09	2.63E-09	1.18E-09	4.26E-11	1.03E-09	7.23E-10	6.25E-10	1.87E-10	2.61E-09
473863.09, 3847377.25	0.00112	4.084E-06	1.41E-09	4.27E-09	3.37E-09	2.92E-09	1.31E-09	4.72E-11	1.14E-09	8.01E-10	6.93E-10	2.07E-10	2.89E-09
474363.09, 3847377.25	0.00126	4.595E-06	1.59E-09	4.80E-09	3.79E-09	3.28E-09	1.48E-09	5.31E-11	1.28E-09	9.01E-10	7.80E-10	2.33E-10	3.25E-09
474863.09, 3847377.25	0.00123	4.485E-06	1.55E-09	4.69E-09	3.70E-09	3.20E-09	1.44E-09	5.18E-11	1.25E-09	8.80E-10	7.61E-10	2.27E-10	3.17E-09
475363.09, 3847377.25	0.00117	4.267E-06	1.48E-09	4.46E-09	3.52E-09	3.05E-09	1.37E-09	4.93E-11	1.19E-09	8.37E-10	7.24E-10	2.16E-10	3.02E-09
475863.09, 3847377.25	0.00123	4.485E-06	1.55E-09	4.69E-09	3.70E-09	3.20E-09	1.44E-09	5.18E-11	1.25E-09	8.80E-10	7.61E-10	2.27E-10	3.17E-09
476363.09, 3847377.25	0.00132	4.814E-06	1.67E-09	5.03E-09	3.97E-09	3.44E-09	1.55E-09	5.56E-11	1.34E-09	9.44E-10	8.17E-10	2.44E-10	3.40E-09
476863.09, 3847377.25	0.00124	4.522E-06	1.57E-09	4.73E-09	3.73E-09	3.23E-09	1.45E-09	5.23E-11	1.26E-09	8.87E-10	7.68E-10	2.29E-10	3.20E-09
477363.09, 3847377.25	0.00123	4.485E-06	1.55E-09	4.69E-09	3.70E-09	3.20E-09	1.44E-09	5.18E-11	1.25E-09	8.80E-10	7.61E-10	2.27E-10	3.17E-09
477863.09, 3847377.25	0.00122	4.449E-06	1.54E-09	4.65E-09	3.67E-09	3.18E-09	1.43E-09	5.14E-11	1.24E-09	8.73E-10	7.55E-10	2.25E-10	3.15E-09
478363.09, 3847377.25	0.00123	4.485E-06	1.55E-09	4.69E-09	3.70E-09	3.20E-09	1.44E-09	5.18E-11	1.25E-09	8.80E-10	7.61E-10	2.27E-10	3.17E-09
478863.09, 3847377.25	0.00122	4.449E-06	1.54E-09	4.65E-09	3.67E-09	3.18E-09	1.43E-09	5.14E-11	1.24E-09	8.73E-10	7.55E-10	2.25E-10	3.15E-09
479363.09, 3847377.25	0.0011	4.011E-06	1.39E-09	4.19E-09	3.31E-09	2.87E-09	1.29E-09	4.64E-11	1.12E-09	7.87E-10	6.81E-10	2.03E-10	2.84E-09
479863.09, 3847377.25	0.001	3.647E-06	1.26E-09	3.81E-09	3.01E-09	2.61E-09	1.17E-09	4.22E-11	1.02E-09	7.15E-10	6.19E-10	1.85E-10	2.58E-09
480363.09, 3847377.25	0.00092	3.355E-06	1.16E-09	3.51E-09	2.77E-09	2.40E-09	1.08E-09	3.88E-11	9.37E-10	6.58E-10	5.69E-10	1.70E-10	2.37E-09
480863.09, 3847377.25	0.00089	3.246E-06	1.12E-09	3.39E-09	2.68E-09	2.32E-09	1.04E-09	3.75E-11	9.06E-10	6.37E-10	5.51E-10	1.64E-10	2.30E-09
481363.09, 3847377.25	0.00088	3.209E-06	1.11E-09	3.35E-09	2.65E-09	2.29E-09	1.03E-09	3.71E-11	8.96E-10	6.30E-10	5.45E-10	1.63E-10	2.27E-09
481863.09, 3847377.25	0.00089	3.246E-06	1.12E-09	3.39E-09	2.68E-09	2.32E-09	1.04E-09	3.75E-11	9.06E-10	6.37E-10	5.51E-10	1.64E-10	2.30E-09
482363.09, 3847377.25	0.00083	3.027E-06	1.05E-09	3.16E-09	2.50E-09	2.16E-09	9.72E-10	3.50E-11	8.45E-10	5.94E-10	5.14E-10	1.53E-10	2.14E-09
482863.09, 3847377.25	0.00078	2.844E-06	9.85E-10	2.97E-09	2.35E-09	2.03E-09	9.14E-10	3.29E-11	7.94E-10	5.58E-10	4.83E-10	1.44E-10	2.01E-09
483363.09, 3847377.25	0.00076	2.771E-06	9.59E-10	2.90E-09	2.29E-09	1.98E-09	8.90E-10	3.20E-11	7.74E-10	5.44E-10	4.70E-10	1.40E-10	1.96E-09
483863.09, 3847377.25	0.00076	2.771E-06	9.59E-10	2.90E-09	2.29E-09	1.98E-09	8.90E-10	3.20E-11	7.74E-10	5.44E-10	4.70E-10	1.40E-10	1.96E-09
484363.09, 3847377.25	0.00075	2.735E-06	9.47E-10	2.86E-09	2.26E-09	1.95E-09	8.79E-10	3.16E-11	7.64E-10	5.37E-10	4.64E-10	1.39E-10	1.93E-09
484863.09, 3847377.25	0.0007	2.553E-06	8.84E-10	2.67E-09	2.11E-09	1.82E-09	8.20E-10	2.95E-11	7.13E-10	5.01E-10	4.33E-10	1.29E-10	1.81E-09
485363.09, 3847377.25	0.00068	2.48E-06	8.58E-10	2.59E-09	2.05E-09	1.77E-09	7.97E-10	2.87E-11	6.92E-10	4.86E-10	4.21E-10	1.26E-10	1.75E-09
485863.09, 3847377.25	0.00068	2.48E-06	8.58E-10	2.59E-09	2.05E-09	1.77E-09	7.97E-10	2.87E-11	6.92E-10	4.86E-10	4.21E-10	1.26E-10	1.75E-09
486363.09, 3847377.25	0.00069	2.516E-06	8.71E-10	2.63E-09	2.08E-09	1.80E-09	8.08E-10	2.91E-11	7.03E-10	4.94E-10	4.27E-10	1.27E-10	1.78E-09
486863.09, 3847377.25	0.00065	2.37E-06	8.21E-10	2.48E-09	1.96E-09	1.69E-09	7.61E-10	2.74E-11	6.62E-10	4.65E-10	4.02E-10	1.20E-10	1.68E-09
487363.09, 3847377.25	0.00063	2.297E-06	7.95E-10	2.40E-09	1.90E-09	1.64E-09	7.38E-10	2.66E-11	6.41E-10	4.51E-10	3.90E-10	1.16E-10	1.63E-09
487863.09, 3847377.25	0.00061	2.224E-06	7.70E-10	2.33E-09	1.84E-09	1.59E-09	7.15E-10	2.57E-11	6.21E-10	4.36E-10	3.78E-10	1.13E-10	1.57E-09
488363.09, 3847377.25	0.0006	2.188E-06	7.57E-10	2.29E-09	1.81E-09	1.56E-09	7.03E-10	2.53E-11	6.11E-10	4.29E-10	3.71E-10	1.11E-10	1.55E-09
488863.09, 3847377.25	0.0006	2.188E-06	7.57E-10	2.29E-09	1.81E-09	1.56E-09	7.03E-10	2.53E-11	6.11E-10	4.29E-10	3.71E-10	1.11E-10	1.55E-09
489363.09, 3847377.25	0.00059	2.152E-06	7.45E-10	2.25E-09	1.78E-09	1.54E-09	6.91E-10	2.49E-11	6.01E-10	4.22E-10	3.65E-10	1.09E-10	1.52E-09
489863.09, 3847377.25	0.00059	2.152E-06	7.45E-10	2.25E-09	1.78E-09	1.54E-09	6.91E-10	2.49E-11	6.01E-10	4.22E-10	3.65E-10	1.09E-10	1.52E-09
490363.09, 3847377.25	0.00057	2.079E-06	7.20E-10	2.17E-09	1.72E-09	1.48E-09	6.68E-10	2.40E-11	5.80E-10	4.08E-10	3.53E-10	1.05E-10	1.47E-09
490863.09, 3847377.25	0.00055	2.006E-06	6.94E-10	2.10E-09	1.66E-09	1.43E-09	6.44E-10	2.32E-11	5.60E-10	3.93E-10	3.40E-10	1.02E-10	1.42E-09
491363.09, 3847377.25	0.00051	1.86E-06	6.44E-10	1.94E-09	1.54E-09	1.33E-09	5.97E-10	2.15E-11	5.19E-10	3.65E-10	3.16E-10	9.42E-11	1.32E-09
491863.09, 3847377.25	0.00049	1.787E-06	6.19E-10	1.87E-09	1.48E-09	1.28E-09	5.74E-10	2.07E-11	4.99E-10	3.51E-10	3.03E-10	9.05E-11	1.26E-09
492363.09, 3847377.25	0.00048	1.75E-06	6.06E-10	1.83E-09	1.45E-09	1.25E-09	5.62E-10	2.02E-11	4.89E-10	3.43E-10	2.97E-10	8.87E-11	1.24E-09
492863.09, 3847377.25	0.00049	1.787E-06	6.19E-10	1.87E-09	1.48E-09	1.28E-09	5.74E-10	2.07E-11	4.99E-10	3.51E-10	3.03E-10	9.05E-11	1.26E-09
493363.09, 3847377.25	0.00049	1.787E-06	6.19E-10	1.87E-09	1.48E-09	1.28E-09	5.74E-10	2.07E-11	4.99E-10	3.51E-10	3.03E-10	9.05E-11	1.26E-09
493863.09, 3847377.25	0.00047	1.714E-06	5.93E-10	1.79E-09	1.42E-09	1.22E-09	5.51E-10	1.98E-11	4.79E-10	3.36E-10	2.91E-10	8.68E-11	1.21E-09
494363.09, 3847377.25	0.00043	1.568E-06	5.43E-10	1.64E-09	1.29E-09	1.12E-09	5.04E-10	1.81E-11	4.38E-10	3.08E-10	2.66E-10	7.95E-11	1.11E-09
494863.09, 3847377.25	0.00041	1.495E-06	5.18E-10	1.56E-09	1.23E-09	1.07E-09	4.80E-10	1.73E-11	4.17E-10	2.93E-10	2.54E-10	7.58E-11	1.06E-09
495363.09, 3847377.25	0.00042	1.532E-06	5.30E-10	1.60E-09	1.26E-09	1.09E-09	4.92E-10	1.77E-11	4.28E-10	3.00E-10	2.60E-10	7.76E-11	1.08E-09
495863.09, 3847377.25	0.00042	1.532E-06	5.30E-10	1.60E-09	1.26E-09	1.09E-09	4.92E-10	1.77E-11	4.28E-10	3.00E-10	2.60E-10	7.76E-11	1.08E-09
496363.09, 3847377.25	0.0004	1.459E-06	5.05E-10	1.52E-09	1.20E-09	1.04E-09	4.69E-10	1.69E-11	4.07E-10	2.86E-10	2.48E-10	7.39E-11	1.03E-09
496863.09, 3847377.25	0.00039	1.422E-06	4.92E-10	1.49E-09	1.17E-09	1.02E-09	4.57E-10	1.64E-11	3.97E-10	2.79E-10	2.41E-10	7.21E-11	1.01E-09

497363.09, 3847377.25	0.00041	1.495E-06	5.18E-10	1.56E-09	1.23E-09	1.07E-09	4.80E-10	1.73E-11	4.17E-10	2.93E-10	2.54E-10	7.58E-11	1.06E-09
497863.09, 3847377.25	0.00043	1.568E-06	5.43E-10	1.64E-09	1.29E-09	1.12E-09	5.04E-10	1.81E-11	4.38E-10	3.08E-10	2.66E-10	7.95E-11	1.11E-09
498363.09, 3847377.25	0.00045	1.641E-06	5.68E-10	1.72E-09	1.35E-09	1.17E-09	5.27E-10	1.90E-11	4.58E-10	3.22E-10	2.79E-10	8.31E-11	1.16E-09
471363.09, 3847877.25	0.00149	5.434E-06	1.88E-09	5.68E-09	4.49E-09	3.88E-09	1.75E-09	6.28E-11	1.52E-09	1.07E-09	9.22E-10	2.75E-10	3.84E-09
471863.09, 3847877.25	0.00146	5.324E-06	1.84E-09	5.56E-09	4.40E-09	3.80E-09	1.71E-09	6.15E-11	1.49E-09	1.04E-09	9.04E-10	2.70E-10	3.77E-09
472363.09, 3847877.25	0.00138	5.032E-06	1.74E-09	5.26E-09	4.15E-09	3.60E-09	1.62E-09	5.82E-11	1.41E-09	9.87E-10	8.54E-10	2.55E-10	3.56E-09
472863.09, 3847877.25	0.00136	4.959E-06	1.72E-09	5.18E-09	4.09E-09	3.54E-09	1.59E-09	5.73E-11	1.38E-09	9.73E-10	8.42E-10	2.51E-10	3.51E-09
473363.09, 3847877.25	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
473863.09, 3847877.25	0.00129	4.704E-06	1.63E-09	4.92E-09	3.88E-09	3.36E-09	1.51E-09	5.44E-11	1.31E-09	9.23E-10	7.98E-10	2.38E-10	3.33E-09
474363.09, 3847877.25	0.00117	4.267E-06	1.48E-09	4.46E-09	3.52E-09	3.05E-09	1.37E-09	4.93E-11	1.19E-09	8.37E-10	7.24E-10	2.16E-10	3.02E-09
474863.09, 3847877.25	0.00135	4.923E-06	1.70E-09	5.15E-09	4.06E-09	3.52E-09	1.58E-09	5.69E-11	1.37E-09	9.66E-10	8.36E-10	2.49E-10	3.48E-09
475363.09, 3847877.25	0.00132	4.814E-06	1.67E-09	5.03E-09	3.97E-09	3.44E-09	1.55E-09	5.56E-11	1.34E-09	9.44E-10	8.17E-10	2.44E-10	3.40E-09
475863.09, 3847877.25	0.00126	4.595E-06	1.59E-09	4.80E-09	3.79E-09	3.28E-09	1.48E-09	5.31E-11	1.28E-09	9.01E-10	7.80E-10	2.33E-10	3.25E-09
476363.09, 3847877.25	0.00142	5.178E-06	1.79E-09	5.41E-09	4.28E-09	3.70E-09	1.66E-09	5.99E-11	1.45E-09	1.02E-09	8.79E-10	2.62E-10	3.66E-09
476863.09, 3847877.25	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
477363.09, 3847877.25	0.00138	5.032E-06	1.74E-09	5.26E-09	4.15E-09	3.60E-09	1.62E-09	5.82E-11	1.41E-09	9.87E-10	8.54E-10	2.55E-10	3.56E-09
477863.09, 3847877.25	0.00134	4.887E-06	1.69E-09	5.11E-09	4.03E-09	3.49E-09	1.57E-09	5.65E-11	1.36E-09	9.59E-10	8.29E-10	2.48E-10	3.46E-09
478363.09, 3847877.25	0.00131	4.777E-06	1.65E-09	4.99E-09	3.94E-09	3.41E-09	1.53E-09	5.52E-11	1.33E-09	9.37E-10	8.11E-10	2.42E-10	3.38E-09
478863.09, 3847877.25	0.00127	4.631E-06	1.60E-09	4.84E-09	3.82E-09	3.31E-09	1.49E-09	5.35E-11	1.29E-09	9.08E-10	7.86E-10	2.35E-10	3.28E-09
479363.09, 3847877.25	0.00107	3.902E-06	1.35E-09	4.08E-09	3.22E-09	2.79E-09	1.25E-09	4.51E-11	1.09E-09	7.65E-10	6.62E-10	1.98E-10	2.76E-09
479863.09, 3847877.25	0.00091	3.318E-06	1.15E-09	3.47E-09	2.74E-09	2.37E-09	1.07E-09	3.84E-11	9.27E-10	6.51E-10	5.63E-10	1.68E-10	2.35E-09
480363.09, 3847877.25	0.00096	3.501E-06	1.21E-09	3.66E-09	2.89E-09	2.50E-09	1.12E-09	4.05E-11	9.77E-10	6.87E-10	5.94E-10	1.77E-10	2.48E-09
480863.09, 3847877.25	0.00095	3.464E-06	1.20E-09	3.62E-09	2.86E-09	2.47E-09	1.11E-09	4.00E-11	9.67E-10	6.80E-10	5.88E-10	1.76E-10	2.45E-09
481363.09, 3847877.25	0.00095	3.464E-06	1.20E-09	3.62E-09	2.86E-09	2.47E-09	1.11E-09	4.00E-11	9.67E-10	6.80E-10	5.88E-10	1.76E-10	2.45E-09
481863.09, 3847877.25	0.001	3.647E-06	1.26E-09	3.81E-09	3.01E-09	2.61E-09	1.17E-09	4.22E-11	1.02E-09	7.15E-10	6.19E-10	1.85E-10	2.58E-09
482363.09, 3847877.25	0.00093	3.391E-06	1.17E-09	3.54E-09	2.80E-09	2.42E-09	1.09E-09	3.92E-11	9.47E-10	6.65E-10	5.76E-10	1.72E-10	2.40E-09
482863.09, 3847877.25	0.00086	3.136E-06	1.09E-09	3.28E-09	2.59E-09	2.24E-09	1.01E-09	3.63E-11	8.76E-10	6.15E-10	5.32E-10	1.59E-10	2.22E-09
483363.09, 3847877.25	0.00082	2.99E-06	1.04E-09	3.13E-09	2.47E-09	2.14E-09	9.61E-10	3.46E-11	8.35E-10	5.87E-10	5.08E-10	1.52E-10	2.12E-09
483863.09, 3847877.25	0.00081	2.954E-06	1.02E-09	3.09E-09	2.44E-09	2.11E-09	9.49E-10	3.41E-11	8.25E-10	5.79E-10	5.01E-10	1.50E-10	2.09E-09
484363.09, 3847877.25	0.00082	2.99E-06	1.04E-09	3.13E-09	2.47E-09	2.14E-09	9.61E-10	3.46E-11	8.35E-10	5.87E-10	5.08E-10	1.52E-10	2.12E-09
484863.09, 3847877.25	0.00079	2.881E-06	9.97E-10	3.01E-09	2.38E-09	2.06E-09	9.25E-10	3.33E-11	8.04E-10	5.65E-10	4.89E-10	1.46E-10	2.04E-09
485363.09, 3847877.25	0.00074	2.699E-06	9.34E-10	2.82E-09	2.23E-09	1.93E-09	8.67E-10	3.12E-11	7.53E-10	5.29E-10	4.58E-10	1.37E-10	1.91E-09
485863.09, 3847877.25	0.00072	2.626E-06	9.09E-10	2.74E-09	2.17E-09	1.88E-09	8.43E-10	3.04E-11	7.33E-10	5.15E-10	4.46E-10	1.33E-10	1.86E-09
486363.09, 3847877.25	0.00072	2.626E-06	9.09E-10	2.74E-09	2.17E-09	1.88E-09	8.43E-10	3.04E-11	7.33E-10	5.15E-10	4.46E-10	1.33E-10	1.86E-09
486863.09, 3847877.25	0.00071	2.589E-06	8.96E-10	2.71E-09	2.14E-09	1.85E-09	8.32E-10	2.99E-11	7.23E-10	5.08E-10	4.39E-10	1.31E-10	1.83E-09
487363.09, 3847877.25	0.00068	2.48E-06	8.58E-10	2.59E-09	2.05E-09	1.77E-09	7.97E-10	2.87E-11	6.92E-10	4.86E-10	4.21E-10	1.26E-10	1.75E-09
487863.09, 3847877.25	0.00065	2.37E-06	8.21E-10	2.48E-09	1.96E-09	1.69E-09	7.61E-10	2.74E-11	6.62E-10	4.65E-10	4.02E-10	1.20E-10	1.68E-09
488363.09, 3847877.25	0.00064	2.334E-06	8.08E-10	2.44E-09	1.93E-09	1.67E-09	7.50E-10	2.70E-11	6.52E-10	4.58E-10	3.96E-10	1.18E-10	1.65E-09
488863.09, 3847877.25	0.00063	2.297E-06	7.95E-10	2.40E-09	1.90E-09	1.64E-09	7.38E-10	2.66E-11	6.41E-10	4.51E-10	3.90E-10	1.16E-10	1.63E-09
489363.09, 3847877.25	0.00063	2.297E-06	7.95E-10	2.40E-09	1.90E-09	1.64E-09	7.38E-10	2.66E-11	6.41E-10	4.51E-10	3.90E-10	1.16E-10	1.63E-09
489863.09, 3847877.25	0.00065	2.37E-06	8.21E-10	2.48E-09	1.96E-09	1.69E-09	7.61E-10	2.74E-11	6.62E-10	4.65E-10	4.02E-10	1.20E-10	1.68E-09
490363.09, 3847877.25	0.00065	2.37E-06	8.21E-10	2.48E-09	1.96E-09	1.69E-09	7.61E-10	2.74E-11	6.62E-10	4.65E-10	4.02E-10	1.20E-10	1.68E-09
490863.09, 3847877.25	0.00063	2.297E-06	7.95E-10	2.40E-09	1.90E-09	1.64E-09	7.38E-10	2.66E-11	6.41E-10	4.51E-10	3.90E-10	1.16E-10	1.63E-09
491363.09, 3847877.25	0.00057	2.079E-06	7.20E-10	2.17E-09	1.72E-09	1.48E-09	6.68E-10	2.40E-11	5.80E-10	4.08E-10	3.53E-10	1.05E-10	1.47E-09
491863.09, 3847877.25	0.00053	1.933E-06	6.69E-10	2.02E-09	1.60E-09	1.38E-09	6.21E-10	2.23E-11	5.40E-10	3.79E-10	3.28E-10	9.79E-11	1.37E-09
492363.09, 3847877.25	0.00052	1.896E-06	6.56E-10	1.98E-09	1.57E-09	1.35E-09	6.09E-10	2.19E-11	5.29E-10	3.72E-10	3.22E-10	9.61E-11	1.34E-09
492863.09, 3847877.25	0.00052	1.896E-06	6.56E-10	1.98E-09	1.57E-09	1.35E-09	6.09E-10	2.19E-11	5.29E-10	3.72E-10	3.22E-10	9.61E-11	1.34E-09
493363.09, 3847877.25	0.0005	1.823E-06	6.31E-10	1.91E-09	1.51E-09	1.30E-09	5.86E-10	2.11E-11	5.09E-10	3.58E-10	3.09E-10	9.24E-11	1.29E-09
493863.09, 3847877.25	0.00048	1.75E-06	6.06E-10	1.83E-09	1.45E-09	1.25E-09	5.62E-10	2.02E-11	4.89E-10	3.43E-10	2.97E-10	8.87E-11	1.24E-09
494363.09, 3847877.25	0.00044	1.605E-06	5.55E-10	1.68E-09	1.32E-09	1.15E-09	5.15E-10	1.85E-11	4.48E-10	3.15E-10	2.72E-10	8.13E-11	1.13E-09
494863.09, 3847877.25	0.00042	1.532E-06	5.30E-10	1.60E-09	1.26E-09	1.09E-09	4.92E-10	1.77E-11	4.28E-10	3.00E-10	2.60E-10	7.76E-11	1.08E-09
495363.09, 3847877.25	0.00042	1.532E-06	5.30E-10	1.60E-09	1.26E-09	1.09E-09	4.92E-10	1.77E-11	4.28E-10	3.00E-10	2.60E-10	7.76E-11	1.08E-09
495863.09, 3847877.25	0.00038	1.386E-06	4.80E-10	1.45E-09	1.14E-09	9.90E-10	4.45E-10	1.60E-11	3.87E-10	2.72E-10	2.35E-10	7.02E-11	9.80E-10
496363.09, 3847877.25	0.0004	1.459E-06	5.05E-10	1.52E-09	1.20E-09	1.04E-09	4.69E-10	1.69E-11	4.07E-10	2.86E-10	2.48E-10	7.39E-11	1.03E-09
496863.09, 3847877.25	0.0004	1.459E-06	5.05E-10	1.52E-09	1.20E-09	1.04E-09	4.69E-10	1.69E-11	4.07E-10	2.86E-10	2.48E-10	7.39E-11	1.03E-09
497363.09, 3847877.25	0.00041	1.495E-06	5.18E-10	1.56E-09	1.23E-09	1.07E-09	4.80E-10	1.73E-11	4.17E-10	2.93E-10	2.54E-10	7.58E-11	1.06E-09
497863.09, 3847877.25	0.00045	1.641E-06	5.68E-10	1.72E-09	1.35E-09	1.17E-09	5.27E-10	1.90E-11	4.58E-10	3.22E-10	2.79E-10	8.31E-11	1.16E-09
498363.09, 3847877.25	0.00047	1.714E-06	5.93E-10	1.79E-09	1.42E-09	1.22E-09	5.51E-10	1.98E-11	4.79E-10	3.36E-10	2.91E-10	8.68E-11	1.21E-09
471363.09, 3848377.25	0.00157	5.725E-06	1.98E-09	5.98E-09	4.73E-09	4.09E-09	1.84E-09	6.62E-11	1.60E-09	1.12E-09	9.72E-10	2.90E-10	4.05E-09
471863.09, 3848377.25	0.00162	5.908E-06	2.05E-09	6.17E-09	4.88E-09	4.22E-09	1.90E-09	6.83E-11	1.65E-09	1.16E-09	1.00E-09	2.99E-10	4.18E-09
472363.09, 3848377.25	0.00159	5.798E-06	2.01E-09	6.06E-09	4.79E-09	4.14E-09	1.86E-09	6.70E-11	1.62E-09	1.14E-09	9.84E-10	2.94E-10	4.10E-09
472863.09, 3848377.25	0.00154	5.616E-06	1.94E-09	5.87E-09	4.64E-09	4.01E-09	1.80E-09	6.49E-11	1.57E-09	1.10E-09	9.53E-10	2.85E-10	3.97E-09
473363.09, 3848377.25	0.00146	5.324E-06	1.84E-09	5.56E-09	4.40E-09	3.80E-09	1.71E-09	6.15E-11	1.49E-09	1.04E-09	9.04E-10	2.70E-10	3.77E-09
473863.09, 3848377.25	0.00149	5.434E-06	1.88E-09	5.68E-09	4.49E-09	3.88E-09	1.75E-09	6.28E-11	1.52E-09	1.07E-09	9.22E-10	2.75E-10	3.84E-09
474363.09, 3848377.25	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
474863.09, 3848377.25	0.00125	4.558E-06	1.58E-09	4.76E-09	3.76E-09	3.26E-09	1.46E-09	5.27E-11	1.27E-09	8.94E-10	7.74E-10	2.31E-10	3.22E-09
475363.09, 3848377.25	0.00153	5.579E-06	1.93E-09	5.83E-09	4.61E-09	3.99E-09	1.79E-09	6.45E-11	1.56E-09	1.09E-09	9.47E-10	2.83E-10	3.95E-09
475863.09, 3848377.25	0.00147	5.361E-06	1.86E-09	5.60E-09	4.43E-09	3.83E-09	1.72E-09	6.20E-11	1.50E-09	1.05E-09	9.10E-10	2.72E-10	3.79E-09
476363.09, 3848377.25	0.00136	4.959E-06	1.72E-09	5.18E-09	4.09E-09	3.54E-09	1.59E-09	5.73E-11	1.38E-09	9.73E-10	8.42E-10	2.51E-10	3.51E-09
476863.09, 3848377.25	0.00164	5.981E-06	2.07E-09	6.25E-09	4.94E-09	4.27E-09	1.92E-09	6.91E-11	1.67E-09	1.17E-09	1.02E-09	3.03E-10	4.23E-09
477363.09, 3848377.25	0.00153	5.579E-06	1.93E-09	5.83E-09	4.61E-09	3.99E-09	1.79E-09	6.45E-11	1.56E-09	1.09E-09	9.47E-10	2.83E-10	3.95E-09
477863.09, 3848377.25	0.0015	5.47E-06	1.89E-09	5.72E-09	4.52E-09	3.91E-09	1.76E-09	6.32E-11	1.53E-09	1.07E-09	9.28E-10	2.77E-10	3.87E-09
478363.09, 3848377.25	0.00142	5.178E-06	1.79E-09	5.41E-09	4.28E-09	3.70E-09	1.66E-09	5.99E-11	1.45E-09	1.02E-09	8.79E-10	2.62E-10	3.66E-09
478863.09, 3848377.25	0.00129	4.704E-06	1.63E-09	4.92E-09	3.88E-09	3.36E-09	1.51E-09	5.44E-11	1.31E-09	9.23E-10	7.98E-10	2.38E-10	3.33E-09
479363.09, 3848377.25	0.00112	4.084E-06	1.41E-09	4.27E-09	3.37E-09	2.92E-09	1.31E-09	4.72E-11	1.14E-09	8.01E-10	6.93E-10	2.07E-10	2.89E-09
479863.09, 3848377.25	0.00082	2.99E-06	1.04E-09	3.13E-09	2.47E-09	2.14E-09	9.61E-10	3.46E-11	8.35E-10	5.87E-10	5.08E-10	1.52E-10	2.12E-09
480363.09, 3848377.25	0.00093	3.391E-06	1.17E-09	3.54E-09	2.80E-09	2.42E-09	1.09E-09	3.92E-11	9.47E-10	6.65E-10	5.76E-10	1.72E-10	2.40E-09
480863.09, 3848377.25	0.00108	3.938E-06	1.36E-09	4.12E-09	3.25E-09	2.81E-09	1.27E-09	4.55E-11	1.10E-09	7.73E-10	6.68E-10	2.00E-10	2.79E-09
481363.09, 3848377.25	0.00112	4.084E-06	1.41E-09	4.27E-09	3.37E-09	2.92E-09	1.31E-09	4.72E-11	1.14E-09	8.01E-10	6.93E-10	2.07E-10	2.89E-09
481863.09, 3848377.25	0.00112	4.084E-06	1.41E-09	4.27E-09	3.37E-09	2.92E-09	1.31E-09	4.72E-11	1.14E-09	8.01E-10	6.93E-10	2.07E-10	2.89E-09

482363.09, 3848377.25	0.00108	3.938E-06	1.36E-09	4.12E-09	3.25E-09	2.81E-09	1.27E-09	4.55E-11	1.10E-09	7.73E-10	6.68E-10	2.00E-10	2.79E-09
482863.09, 3848377.25	0.00097	3.537E-06	1.22E-09	3.70E-09	2.92E-09	2.53E-09	1.14E-09	4.09E-11	9.88E-10	6.94E-10	6.00E-10	1.79E-10	2.50E-09
483363.09, 3848377.25	0.00091	3.318E-06	1.15E-09	3.47E-09	2.74E-09	2.37E-09	1.07E-09	3.84E-11	9.27E-10	6.51E-10	5.63E-10	1.68E-10	2.35E-09
483863.09, 3848377.25	0.00086	3.136E-06	1.09E-09	3.28E-09	2.59E-09	2.24E-09	1.01E-09	3.63E-11	8.76E-10	6.15E-10	5.32E-10	1.59E-10	2.22E-09
484363.09, 3848377.25	0.00086	3.136E-06	1.09E-09	3.28E-09	2.59E-09	2.24E-09	1.01E-09	3.63E-11	8.76E-10	6.15E-10	5.32E-10	1.59E-10	2.22E-09
484863.09, 3848377.25	0.00088	3.209E-06	1.11E-09	3.35E-09	2.65E-09	2.29E-09	1.03E-09	3.71E-11	8.96E-10	6.30E-10	5.45E-10	1.63E-10	2.27E-09
485363.09, 3848377.25	0.00083	3.027E-06	1.05E-09	3.16E-09	2.50E-09	2.16E-09	9.72E-10	3.50E-11	8.45E-10	5.94E-10	5.14E-10	1.53E-10	2.14E-09
485863.09, 3848377.25	0.00078	2.844E-06	9.85E-10	2.97E-09	2.35E-09	2.03E-09	9.14E-10	3.29E-11	7.94E-10	5.58E-10	4.83E-10	1.44E-10	2.01E-09
486363.09, 3848377.25	0.00076	2.771E-06	9.59E-10	2.90E-09	2.29E-09	1.98E-09	8.90E-10	3.20E-11	7.74E-10	5.44E-10	4.70E-10	1.40E-10	1.96E-09
486863.09, 3848377.25	0.00075	2.735E-06	9.47E-10	2.86E-09	2.26E-09	1.95E-09	8.79E-10	3.16E-11	7.64E-10	5.37E-10	4.64E-10	1.39E-10	1.93E-09
487363.09, 3848377.25	0.00073	2.662E-06	9.22E-10	2.78E-09	2.20E-09	1.90E-09	8.55E-10	3.08E-11	7.43E-10	5.22E-10	4.52E-10	1.35E-10	1.88E-09
487863.09, 3848377.25	0.0007	2.553E-06	8.84E-10	2.67E-09	2.11E-09	1.82E-09	8.20E-10	2.95E-11	7.13E-10	5.01E-10	4.33E-10	1.29E-10	1.81E-09
488363.09, 3848377.25	0.00069	2.516E-06	8.71E-10	2.63E-09	2.08E-09	1.80E-09	8.08E-10	2.91E-11	7.03E-10	4.94E-10	4.27E-10	1.27E-10	1.78E-09
488863.09, 3848377.25	0.00068	2.48E-06	8.58E-10	2.59E-09	2.05E-09	1.77E-09	7.97E-10	2.87E-11	6.92E-10	4.86E-10	4.21E-10	1.26E-10	1.75E-09
489363.09, 3848377.25	0.00068	2.48E-06	8.58E-10	2.59E-09	2.05E-09	1.77E-09	7.97E-10	2.87E-11	6.92E-10	4.86E-10	4.21E-10	1.26E-10	1.75E-09
489863.09, 3848377.25	0.00069	2.516E-06	8.71E-10	2.63E-09	2.08E-09	1.80E-09	8.08E-10	2.91E-11	7.03E-10	4.94E-10	4.27E-10	1.27E-10	1.78E-09
490363.09, 3848377.25	0.0007	2.553E-06	8.84E-10	2.67E-09	2.11E-09	1.82E-09	8.20E-10	2.95E-11	7.13E-10	5.01E-10	4.33E-10	1.29E-10	1.81E-09
490863.09, 3848377.25	0.00068	2.48E-06	8.58E-10	2.59E-09	2.05E-09	1.77E-09	7.97E-10	2.87E-11	6.92E-10	4.86E-10	4.21E-10	1.26E-10	1.75E-09
491363.09, 3848377.25	0.00063	2.297E-06	7.95E-10	2.40E-09	1.90E-09	1.64E-09	7.38E-10	2.66E-11	6.41E-10	4.51E-10	3.90E-10	1.16E-10	1.63E-09
491863.09, 3848377.25	0.00058	2.115E-06	7.32E-10	2.21E-09	1.75E-09	1.51E-09	6.79E-10	2.44E-11	5.91E-10	4.15E-10	3.59E-10	1.07E-10	1.50E-09
492363.09, 3848377.25	0.00054	1.969E-06	6.82E-10	2.06E-09	1.63E-09	1.41E-09	6.33E-10	2.28E-11	5.50E-10	3.86E-10	3.34E-10	9.98E-11	1.39E-09
492863.09, 3848377.25	0.00052	1.896E-06	6.56E-10	1.98E-09	1.57E-09	1.35E-09	6.09E-10	2.19E-11	5.29E-10	3.72E-10	3.22E-10	9.61E-11	1.34E-09
493363.09, 3848377.25	0.00051	1.86E-06	6.44E-10	1.94E-09	1.54E-09	1.33E-09	5.97E-10	2.15E-11	5.19E-10	3.65E-10	3.16E-10	9.42E-11	1.32E-09
493863.09, 3848377.25	0.00048	1.75E-06	6.06E-10	1.83E-09	1.45E-09	1.25E-09	5.62E-10	2.02E-11	4.89E-10	3.43E-10	2.97E-10	8.87E-11	1.24E-09
494363.09, 3848377.25	0.00044	1.605E-06	5.55E-10	1.68E-09	1.32E-09	1.15E-09	5.15E-10	1.85E-11	4.48E-10	3.15E-10	2.72E-10	8.13E-11	1.13E-09
494863.09, 3848377.25	0.00042	1.532E-06	5.30E-10	1.60E-09	1.26E-09	1.09E-09	4.92E-10	1.77E-11	4.28E-10	3.00E-10	2.60E-10	7.76E-11	1.08E-09
495363.09, 3848377.25	0.0004	1.459E-06	5.05E-10	1.52E-09	1.20E-09	1.04E-09	4.69E-10	1.69E-11	4.07E-10	2.86E-10	2.48E-10	7.39E-11	1.03E-09
495863.09, 3848377.25	0.0004	1.459E-06	5.05E-10	1.52E-09	1.20E-09	1.04E-09	4.69E-10	1.69E-11	4.07E-10	2.86E-10	2.48E-10	7.39E-11	1.03E-09
496363.09, 3848377.25	0.0004	1.459E-06	5.05E-10	1.52E-09	1.20E-09	1.04E-09	4.69E-10	1.69E-11	4.07E-10	2.86E-10	2.48E-10	7.39E-11	1.03E-09
496863.09, 3848377.25	0.00039	1.422E-06	4.92E-10	1.49E-09	1.17E-09	1.02E-09	4.57E-10	1.64E-11	3.97E-10	2.79E-10	2.41E-10	7.21E-11	1.01E-09
497363.09, 3848377.25	0.00041	1.495E-06	5.18E-10	1.56E-09	1.23E-09	1.07E-09	4.80E-10	1.73E-11	4.17E-10	2.93E-10	2.54E-10	7.58E-11	1.06E-09
497863.09, 3848377.25	0.00048	1.75E-06	6.06E-10	1.83E-09	1.45E-09	1.25E-09	5.62E-10	2.02E-11	4.89E-10	3.43E-10	2.97E-10	8.87E-11	1.24E-09
498363.09, 3848377.25	0.00048	1.75E-06	6.06E-10	1.83E-09	1.45E-09	1.25E-09	5.62E-10	2.02E-11	4.89E-10	3.43E-10	2.97E-10	8.87E-11	1.24E-09
471363.09, 3848877.25	0.00153	5.579E-06	1.93E-09	5.83E-09	4.61E-09	3.99E-09	1.79E-09	6.45E-11	1.56E-09	1.09E-09	9.47E-10	2.83E-10	3.95E-09
471863.09, 3848877.25	0.00165	6.017E-06	2.08E-09	6.29E-09	4.97E-09	4.30E-09	1.93E-09	6.96E-11	1.68E-09	1.18E-09	1.02E-09	3.05E-10	4.26E-09
472363.09, 3848877.25	0.00172	6.272E-06	2.17E-09	6.56E-09	5.18E-09	4.48E-09	2.01E-09	7.25E-11	1.75E-09	1.23E-09	1.06E-09	3.18E-10	4.44E-09
472863.09, 3848877.25	0.00176	6.418E-06	2.22E-09	6.71E-09	5.30E-09	4.59E-09	2.06E-09	7.42E-11	1.79E-09	1.26E-09	1.09E-09	3.25E-10	4.54E-09
473363.09, 3848877.25	0.00177	6.455E-06	2.23E-09	6.75E-09	5.33E-09	4.61E-09	2.07E-09	7.46E-11	1.80E-09	1.27E-09	1.10E-09	3.27E-10	4.57E-09
473863.09, 3848877.25	0.00165	6.017E-06	2.08E-09	6.29E-09	4.97E-09	4.30E-09	1.93E-09	6.96E-11	1.68E-09	1.18E-09	1.02E-09	3.05E-10	4.26E-09
474363.09, 3848877.25	0.00165	6.017E-06	2.08E-09	6.29E-09	4.97E-09	4.30E-09	1.93E-09	6.96E-11	1.68E-09	1.18E-09	1.02E-09	3.05E-10	4.26E-09
474863.09, 3848877.25	0.00139	5.069E-06	1.75E-09	5.30E-09	4.18E-09	3.62E-09	1.63E-09	5.86E-11	1.42E-09	9.94E-10	8.60E-10	2.57E-10	3.59E-09
475363.09, 3848877.25	0.00142	5.178E-06	1.79E-09	5.41E-09	4.28E-09	3.70E-09	1.66E-09	5.99E-11	1.45E-09	1.02E-09	8.79E-10	2.62E-10	3.66E-09
475863.09, 3848877.25	0.00165	6.017E-06	2.08E-09	6.29E-09	4.97E-09	4.30E-09	1.93E-09	6.96E-11	1.68E-09	1.18E-09	1.02E-09	3.05E-10	4.26E-09
476363.09, 3848877.25	0.00168	6.126E-06	2.12E-09	6.40E-09	5.06E-09	4.38E-09	1.97E-09	7.08E-11	1.71E-09	1.20E-09	1.04E-09	3.10E-10	4.33E-09
476863.09, 3848877.25	0.00157	5.725E-06	1.98E-09	5.98E-09	4.73E-09	4.09E-09	1.84E-09	6.62E-11	1.60E-09	1.12E-09	9.72E-10	2.90E-10	4.05E-09
477363.09, 3848877.25	0.00194	7.075E-06	2.45E-09	7.39E-09	5.84E-09	5.05E-09	2.27E-09	8.18E-11	1.98E-09	1.39E-09	1.20E-09	3.58E-10	5.00E-09
477863.09, 3848877.25	0.00173	6.309E-06	2.18E-09	6.59E-09	5.21E-09	4.51E-09	2.03E-09	7.29E-11	1.76E-09	1.24E-09	1.07E-09	3.20E-10	4.46E-09
478363.09, 3848877.25	0.00167	6.09E-06	2.11E-09	6.37E-09	5.03E-09	4.35E-09	1.96E-09	7.04E-11	1.70E-09	1.19E-09	1.03E-09	3.09E-10	4.31E-09
478863.09, 3848877.25	0.00146	5.324E-06	1.84E-09	5.56E-09	4.40E-09	3.80E-09	1.71E-09	6.15E-11	1.49E-09	1.04E-09	9.04E-10	2.70E-10	3.77E-09
479363.09, 3848877.25	0.0013	4.741E-06	1.64E-09	4.95E-09	3.91E-09	3.39E-09	1.52E-09	5.48E-11	1.32E-09	9.30E-10	8.05E-10	2.40E-10	3.35E-09
479863.09, 3848877.25	0.00118	4.303E-06	1.49E-09	4.50E-09	3.55E-09	3.07E-09	1.38E-09	4.97E-11	1.20E-09	8.44E-10	7.30E-10	2.18E-10	3.04E-09
480363.09, 3848877.25	0.00123	4.485E-06	1.55E-09	4.69E-09	3.70E-09	3.20E-09	1.44E-09	5.18E-11	1.25E-09	8.80E-10	7.61E-10	2.27E-10	3.17E-09
480863.09, 3848877.25	0.00128	4.668E-06	1.62E-09	4.88E-09	3.85E-09	3.33E-09	1.50E-09	5.40E-11	1.30E-09	9.16E-10	7.92E-10	2.37E-10	3.30E-09
481363.09, 3848877.25	0.00131	4.777E-06	1.65E-09	4.99E-09	3.94E-09	3.41E-09	1.53E-09	5.52E-11	1.33E-09	9.37E-10	8.11E-10	2.42E-10	3.38E-09
481863.09, 3848877.25	0.00123	4.485E-06	1.55E-09	4.69E-09	3.70E-09	3.20E-09	1.44E-09	5.18E-11	1.25E-09	8.80E-10	7.61E-10	2.27E-10	3.17E-09
482363.09, 3848877.25	0.00113	4.121E-06	1.43E-09	4.31E-09	3.40E-09	2.94E-09	1.32E-09	4.76E-11	1.15E-09	8.08E-10	6.99E-10	2.09E-10	2.91E-09
482863.09, 3848877.25	0.00104	3.793E-06	1.31E-09	3.96E-09	3.13E-09	2.71E-09	1.22E-09	4.38E-11	1.06E-09	7.44E-10	6.44E-10	1.92E-10	2.68E-09
483363.09, 3848877.25	0.00094	3.428E-06	1.19E-09	3.58E-09	2.83E-09	2.45E-09	1.10E-09	3.96E-11	9.57E-10	6.72E-10	5.82E-10	1.74E-10	2.42E-09
483863.09, 3848877.25	0.00088	3.209E-06	1.11E-09	3.35E-09	2.65E-09	2.29E-09	1.03E-09	3.71E-11	8.96E-10	6.30E-10	5.45E-10	1.63E-10	2.27E-09
484363.09, 3848877.25	0.00091	3.318E-06	1.15E-09	3.47E-09	2.74E-09	2.37E-09	1.07E-09	3.84E-11	9.27E-10	6.51E-10	5.63E-10	1.68E-10	2.35E-09
484863.09, 3848877.25	0.00095	3.464E-06	1.20E-09	3.62E-09	2.86E-09	2.47E-09	1.11E-09	4.00E-11	9.67E-10	6.80E-10	5.88E-10	1.76E-10	2.45E-09
485363.09, 3848877.25	0.00093	3.391E-06	1.17E-09	3.54E-09	2.80E-09	2.42E-09	1.09E-09	3.92E-11	9.47E-10	6.65E-10	5.76E-10	1.72E-10	2.40E-09
485863.09, 3848877.25	0.00087	3.173E-06	1.10E-09	3.32E-09	2.62E-09	2.27E-09	1.02E-09	3.67E-11	8.86E-10	6.22E-10	5.39E-10	1.61E-10	2.24E-09
486363.09, 3848877.25	0.00081	2.954E-06	1.02E-09	3.09E-09	2.44E-09	2.11E-09	9.49E-10	3.41E-11	8.25E-10	5.79E-10	5.01E-10	1.50E-10	2.09E-09
486863.09, 3848877.25	0.00079	2.881E-06	9.97E-10	3.01E-09	2.38E-09	2.06E-09	9.25E-10	3.33E-11	8.04E-10	5.65E-10	4.89E-10	1.46E-10	2.04E-09
487363.09, 3848877.25	0.00079	2.881E-06	9.97E-10	3.01E-09	2.38E-09	2.06E-09	9.25E-10	3.33E-11	8.04E-10	5.65E-10	4.89E-10	1.46E-10	2.04E-09
487863.09, 3848877.25	0.00076	2.771E-06	9.59E-10	2.90E-09	2.29E-09	1.98E-09	8.90E-10	3.20E-11	7.74E-10	5.44E-10	4.70E-10	1.40E-10	1.96E-09
488363.09, 3848877.25	0.00074	2.699E-06	9.34E-10	2.82E-09	2.23E-09	1.93E-09	8.67E-10	3.12E-11	7.53E-10	5.29E-10	4.58E-10	1.37E-10	1.91E-09
488863.09, 3848877.25	0.00073	2.662E-06	9.22E-10	2.78E-09	2.20E-09	1.90E-09	8.55E-10	3.08E-11	7.43E-10	5.22E-10	4.52E-10	1.35E-10	1.88E-09
489363.09, 3848877.25	0.00072	2.626E-06	9.09E-10	2.74E-09	2.17E-09	1.88E-09	8.43E-10	3.04E-11	7.33E-10	5.15E-10	4.46E-10	1.33E-10	1.86E-09
489863.09, 3848877.25	0.00072	2.626E-06	9.09E-10	2.74E-09	2.17E-09	1.88E-09	8.43E-10	3.04E-11	7.33E-10	5.15E-10	4.46E-10	1.33E-10	1.86E-09
490363.09, 3848877.25	0.00073	2.662E-06	9.22E-10	2.78E-09	2.20E-09	1.90E-09	8.55E-10	3.08E-11	7.43E-10	5.22E-10	4.52E-10	1.35E-10	1.88E-09
490863.09, 3848877.25	0.00072	2.626E-06	9.09E-10	2.74E-09	2.17E-09	1.88E-09	8.43E-10	3.04E-11	7.33E-10	5.15E-10	4.46E-10	1.33E-10	1.86E-09
491363.09, 3848877.25	0.00068	2.48E-06	8.58E-10	2.59E-09	2.05E-09	1.77E-09	7.97E-10	2.87E-11	6.92E-10	4.86E-10	4.21E-10	1.26E-10	1.75E-09
491863.09, 3848877.25	0.00061	2.224E-06	7.70E-10	2.33E-09	1.84E-09	1.59E-09	7.15E-10	2.57E-11	6.21E-10	4.36E-10	3.78E-10	1.13E-10	1.57E-09
492363.09, 3848877.25	0.00056	2.042E-06	7.07E-10	2.13E-09	1.69E-09	1.46E-09	6.56E-10	2.36E-11	5.70E-10	4.01E-10	3.47E-10	1.03E-10	1.44E-09
492863.09, 3848877.25	0.00052	1.896E-06	6.56E-10	1.98E-09	1.57E-09	1.35E-09	6.09E-10	2.19E-11	5.29E-10	3.72E-10	3.22E-10	9.61E-11	1.34E-09
493363.09, 3848877.25	0.00049	1.787E-06	6.19E-10	1.87E-09	1.48E-09	1.28E-09	5.74E-10	2.07E-11	4.99E-10	3.51E-10	3.03E-10	9.05E-11	1.26E-09
493863.09, 3848877.25	0.00048	1.75E-06	6.06E-10	1.83E-09	1.45E-09	1.25E-09	5.62E-10	2.02E-11	4.89E-10	3.43E-10	2.97E-10	8.87E-11	1.24E-09
494363.09, 3848877.25	0.00045	1.641E-06	5.68E-10	1.72E-09	1.35E-09	1.17E-09	5.27E-10	1.90E-11	4.58E-10	3.22E-10	2.79E-10	8.31E-11	1.16E-09

494863.09, 3848877.25	0.00043	1.568E-06	5.43E-10	1.64E-09	1.29E-09	1.12E-09	5.04E-10	1.81E-11	4.38E-10	3.08E-10	2.66E-10	7.95E-11	1.11E-09
495363.09, 3848877.25	0.00043	1.568E-06	5.43E-10	1.64E-09	1.29E-09	1.12E-09	5.04E-10	1.81E-11	4.38E-10	3.08E-10	2.66E-10	7.95E-11	1.11E-09
495863.09, 3848877.25	0.00041	1.495E-06	5.18E-10	1.56E-09	1.23E-09	1.07E-09	4.80E-10	1.73E-11	4.17E-10	2.93E-10	2.54E-10	7.58E-11	1.06E-09
496363.09, 3848877.25	0.0004	1.459E-06	5.05E-10	1.52E-09	1.20E-09	1.04E-09	4.69E-10	1.69E-11	4.07E-10	2.86E-10	2.48E-10	7.39E-11	1.03E-09
496863.09, 3848877.25	0.00042	1.532E-06	5.30E-10	1.60E-09	1.26E-09	1.09E-09	4.92E-10	1.77E-11	4.28E-10	3.00E-10	2.60E-10	7.76E-11	1.08E-09
497363.09, 3848877.25	0.00046	1.677E-06	5.81E-10	1.75E-09	1.38E-09	1.20E-09	5.39E-10	1.94E-11	4.68E-10	3.29E-10	2.85E-10	8.50E-11	1.19E-09
497863.09, 3848877.25	0.00049	1.787E-06	6.19E-10	1.87E-09	1.48E-09	1.28E-09	5.74E-10	2.07E-11	4.99E-10	3.51E-10	3.03E-10	9.05E-11	1.26E-09
498363.09, 3848877.25	0.0005	1.823E-06	6.31E-10	1.91E-09	1.51E-09	1.30E-09	5.86E-10	2.11E-11	5.09E-10	3.58E-10	3.09E-10	9.24E-11	1.29E-09
471363.09, 3849377.25	0.00129	4.704E-06	1.63E-09	4.92E-09	3.88E-09	3.36E-09	1.51E-09	5.44E-11	1.31E-09	9.23E-10	7.98E-10	2.38E-10	3.33E-09
471863.09, 3849377.25	0.00156	5.689E-06	1.97E-09	5.95E-09	4.70E-09	4.06E-09	1.83E-09	6.58E-11	1.59E-09	1.12E-09	9.66E-10	2.88E-10	4.02E-09
472363.09, 3849377.25	0.00171	6.236E-06	2.16E-09	6.52E-09	5.15E-09	4.45E-09	2.00E-09	7.21E-11	1.74E-09	1.22E-09	1.06E-09	3.16E-10	4.41E-09
472863.09, 3849377.25	0.00182	6.637E-06	2.30E-09	6.94E-09	5.48E-09	4.74E-09	2.13E-09	7.67E-11	1.85E-09	1.30E-09	1.13E-09	3.36E-10	4.69E-09
473363.09, 3849377.25	0.00189	6.892E-06	2.39E-09	7.20E-09	5.69E-09	4.92E-09	2.21E-09	7.97E-11	1.92E-09	1.35E-09	1.17E-09	3.49E-10	4.88E-09
473863.09, 3849377.25	0.00194	7.075E-06	2.45E-09	7.39E-09	5.84E-09	5.05E-09	2.27E-09	8.18E-11	1.98E-09	1.39E-09	1.20E-09	3.58E-10	5.00E-09
474363.09, 3849377.25	0.00189	6.892E-06	2.39E-09	7.20E-09	5.69E-09	4.92E-09	2.21E-09	7.97E-11	1.92E-09	1.35E-09	1.17E-09	3.49E-10	4.88E-09
474863.09, 3849377.25	0.00178	6.491E-06	2.25E-09	6.78E-09	5.36E-09	4.64E-09	2.09E-09	7.50E-11	1.81E-09	1.27E-09	1.10E-09	3.29E-10	4.59E-09
475363.09, 3849377.25	0.00171	6.236E-06	2.16E-09	6.52E-09	5.15E-09	4.45E-09	2.00E-09	7.21E-11	1.74E-09	1.22E-09	1.06E-09	3.16E-10	4.41E-09
475863.09, 3849377.25	0.00188	6.856E-06	2.37E-09	7.17E-09	5.66E-09	4.90E-09	2.20E-09	7.92E-11	1.91E-09	1.34E-09	1.16E-09	3.47E-10	4.85E-09
476363.09, 3849377.25	0.00203	7.403E-06	2.56E-09	7.74E-09	6.11E-09	5.29E-09	2.38E-09	8.56E-11	2.07E-09	1.45E-09	1.26E-09	3.75E-10	5.24E-09
476863.09, 3849377.25	0.00209	7.622E-06	2.64E-09	7.97E-09	6.29E-09	5.44E-09	2.45E-09	8.81E-11	2.13E-09	1.50E-09	1.29E-09	3.86E-10	5.39E-09
477363.09, 3849377.25	0.00208	7.585E-06	2.63E-09	7.93E-09	6.26E-09	5.42E-09	2.44E-09	8.77E-11	2.12E-09	1.49E-09	1.29E-09	3.84E-10	5.37E-09
477863.09, 3849377.25	0.00203	7.403E-06	2.56E-09	7.74E-09	6.11E-09	5.29E-09	2.38E-09	8.56E-11	2.07E-09	1.45E-09	1.26E-09	3.75E-10	5.24E-09
478363.09, 3849377.25	0.00195	7.111E-06	2.46E-09	7.43E-09	5.87E-09	5.08E-09	2.28E-09	8.22E-11	1.99E-09	1.39E-09	1.21E-09	3.60E-10	5.03E-09
478863.09, 3849377.25	0.00166	6.053E-06	2.10E-09	6.33E-09	5.00E-09	4.32E-09	1.94E-09	7.00E-11	1.69E-09	1.19E-09	1.03E-09	3.07E-10	4.28E-09
479363.09, 3849377.25	0.00155	5.652E-06	1.96E-09	5.91E-09	4.67E-09	4.04E-09	1.82E-09	6.53E-11	1.58E-09	1.11E-09	9.59E-10	2.86E-10	4.00E-09
479863.09, 3849377.25	0.00135	4.923E-06	1.70E-09	5.15E-09	4.06E-09	3.52E-09	1.58E-09	5.69E-11	1.37E-09	9.66E-10	8.36E-10	2.49E-10	3.48E-09
480363.09, 3849377.25	0.0015	5.47E-06	1.89E-09	5.72E-09	4.52E-09	3.91E-09	1.76E-09	6.32E-11	1.53E-09	1.07E-09	9.28E-10	2.77E-10	3.87E-09
480863.09, 3849377.25	0.00147	5.361E-06	1.86E-09	5.60E-09	4.43E-09	3.83E-09	1.72E-09	6.20E-11	1.50E-09	1.05E-09	9.10E-10	2.72E-10	3.79E-09
481363.09, 3849377.25	0.00137	4.996E-06	1.73E-09	5.22E-09	4.12E-09	3.57E-09	1.60E-09	5.78E-11	1.39E-09	9.80E-10	8.48E-10	2.53E-10	3.53E-09
481863.09, 3849377.25	0.00119	4.34E-06	1.50E-09	4.54E-09	3.58E-09	3.10E-09	1.39E-09	5.02E-11	1.21E-09	8.51E-10	7.37E-10	2.20E-10	3.07E-09
482363.09, 3849377.25	0.00116	4.23E-06	1.46E-09	4.42E-09	3.49E-09	3.02E-09	1.36E-09	4.89E-11	1.18E-09	8.30E-10	7.18E-10	2.14E-10	2.99E-09
482863.09, 3849377.25	0.00109	3.975E-06	1.38E-09	4.15E-09	3.28E-09	2.84E-09	1.28E-09	4.59E-11	1.11E-09	7.80E-10	6.75E-10	2.01E-10	2.81E-09
483363.09, 3849377.25	0.00102	3.72E-06	1.29E-09	3.89E-09	3.07E-09	2.66E-09	1.19E-09	4.30E-11	1.04E-09	7.30E-10	6.31E-10	1.88E-10	2.63E-09
483863.09, 3849377.25	0.00092	3.355E-06	1.16E-09	3.51E-09	2.77E-09	2.40E-09	1.08E-09	3.88E-11	9.37E-10	6.58E-10	5.69E-10	1.70E-10	2.37E-09
484363.09, 3849377.25	0.00097	3.537E-06	1.22E-09	3.70E-09	2.92E-09	2.53E-09	1.14E-09	4.09E-11	9.88E-10	6.94E-10	6.00E-10	1.79E-10	2.50E-09
484863.09, 3849377.25	0.00102	3.72E-06	1.29E-09	3.89E-09	3.07E-09	2.66E-09	1.19E-09	4.30E-11	1.04E-09	7.30E-10	6.31E-10	1.88E-10	2.63E-09
485363.09, 3849377.25	0.00102	3.72E-06	1.29E-09	3.89E-09	3.07E-09	2.66E-09	1.19E-09	4.30E-11	1.04E-09	7.30E-10	6.31E-10	1.88E-10	2.63E-09
485863.09, 3849377.25	0.00092	3.355E-06	1.16E-09	3.51E-09	2.77E-09	2.40E-09	1.08E-09	3.88E-11	9.37E-10	6.58E-10	5.69E-10	1.70E-10	2.37E-09
486363.09, 3849377.25	0.00083	3.027E-06	1.05E-09	3.16E-09	2.50E-09	2.16E-09	9.72E-10	3.50E-11	8.45E-10	5.94E-10	5.14E-10	1.53E-10	2.14E-09
486863.09, 3849377.25	0.00083	3.027E-06	1.05E-09	3.16E-09	2.50E-09	2.16E-09	9.72E-10	3.50E-11	8.45E-10	5.94E-10	5.14E-10	1.53E-10	2.14E-09
487363.09, 3849377.25	0.00083	3.027E-06	1.05E-09	3.16E-09	2.50E-09	2.16E-09	9.72E-10	3.50E-11	8.45E-10	5.94E-10	5.14E-10	1.53E-10	2.14E-09
487863.09, 3849377.25	0.00083	3.027E-06	1.05E-09	3.16E-09	2.50E-09	2.16E-09	9.72E-10	3.50E-11	8.45E-10	5.94E-10	5.14E-10	1.53E-10	2.14E-09
488363.09, 3849377.25	0.00081	2.954E-06	1.02E-09	3.09E-09	2.44E-09	2.11E-09	9.49E-10	3.41E-11	8.25E-10	5.79E-10	5.01E-10	1.50E-10	2.09E-09
488863.09, 3849377.25	0.00079	2.881E-06	9.97E-10	3.01E-09	2.38E-09	2.06E-09	9.25E-10	3.33E-11	8.04E-10	5.65E-10	4.89E-10	1.46E-10	2.04E-09
489363.09, 3849377.25	0.00077	2.808E-06	9.72E-10	2.93E-09	2.32E-09	2.01E-09	9.02E-10	3.25E-11	7.84E-10	5.51E-10	4.77E-10	1.42E-10	1.99E-09
489863.09, 3849377.25	0.00076	2.771E-06	9.59E-10	2.90E-09	2.29E-09	1.98E-09	8.90E-10	3.20E-11	7.74E-10	5.44E-10	4.70E-10	1.40E-10	1.96E-09
490363.09, 3849377.25	0.00076	2.771E-06	9.59E-10	2.90E-09	2.29E-09	1.98E-09	8.90E-10	3.20E-11	7.74E-10	5.44E-10	4.70E-10	1.40E-10	1.96E-09
490863.09, 3849377.25	0.00076	2.771E-06	9.59E-10	2.90E-09	2.29E-09	1.98E-09	8.90E-10	3.20E-11	7.74E-10	5.44E-10	4.70E-10	1.40E-10	1.96E-09
491363.09, 3849377.25	0.00074	2.699E-06	9.34E-10	2.82E-09	2.23E-09	1.93E-09	8.67E-10	3.12E-11	7.53E-10	5.29E-10	4.58E-10	1.37E-10	1.91E-09
491863.09, 3849377.25	0.00066	2.407E-06	8.33E-10	2.52E-09	1.99E-09	1.72E-09	7.73E-10	2.78E-11	6.72E-10	4.72E-10	4.09E-10	1.22E-10	1.70E-09
492363.09, 3849377.25	0.0006	2.188E-06	7.57E-10	2.29E-09	1.81E-09	1.56E-09	7.03E-10	2.53E-11	6.11E-10	4.29E-10	3.71E-10	1.11E-10	1.55E-09
492863.09, 3849377.25	0.00055	2.006E-06	6.94E-10	2.10E-09	1.66E-09	1.43E-09	6.44E-10	2.32E-11	5.60E-10	3.93E-10	3.40E-10	1.02E-10	1.42E-09
493363.09, 3849377.25	0.00052	1.896E-06	6.56E-10	1.98E-09	1.57E-09	1.35E-09	6.09E-10	2.19E-11	5.29E-10	3.72E-10	3.22E-10	9.61E-11	1.34E-09
493863.09, 3849377.25	0.0005	1.823E-06	6.31E-10	1.91E-09	1.51E-09	1.30E-09	5.86E-10	2.11E-11	5.09E-10	3.58E-10	3.09E-10	9.24E-11	1.29E-09
494363.09, 3849377.25	0.00048	1.75E-06	6.06E-10	1.83E-09	1.45E-09	1.25E-09	5.62E-10	2.02E-11	4.89E-10	3.43E-10	2.97E-10	8.87E-11	1.24E-09
494863.09, 3849377.25	0.00049	1.787E-06	6.19E-10	1.87E-09	1.48E-09	1.28E-09	5.74E-10	2.07E-11	4.99E-10	3.51E-10	3.03E-10	9.05E-11	1.26E-09
495363.09, 3849377.25	0.00049	1.787E-06	6.19E-10	1.87E-09	1.48E-09	1.28E-09	5.74E-10	2.07E-11	4.99E-10	3.51E-10	3.03E-10	9.05E-11	1.26E-09
495863.09, 3849377.25	0.00042	1.532E-06	5.30E-10	1.60E-09	1.26E-09	1.09E-09	4.92E-10	1.77E-11	4.28E-10	3.00E-10	2.60E-10	7.76E-11	1.08E-09
496363.09, 3849377.25	0.00041	1.495E-06	5.18E-10	1.56E-09	1.23E-09	1.07E-09	4.80E-10	1.73E-11	4.17E-10	2.93E-10	2.54E-10	7.58E-11	1.06E-09
496863.09, 3849377.25	0.00046	1.677E-06	5.81E-10	1.75E-09	1.38E-09	1.20E-09	5.39E-10	1.94E-11	4.68E-10	3.29E-10	2.85E-10	8.50E-11	1.19E-09
497363.09, 3849377.25	0.00048	1.75E-06	6.06E-10	1.83E-09	1.45E-09	1.25E-09	5.62E-10	2.02E-11	4.89E-10	3.43E-10	2.97E-10	8.87E-11	1.24E-09
497863.09, 3849377.25	0.00054	1.969E-06	6.82E-10	2.06E-09	1.63E-09	1.41E-09	6.33E-10	2.28E-11	5.50E-10	3.86E-10	3.34E-10	9.98E-11	1.39E-09
498363.09, 3849377.25	0.00052	1.896E-06	6.56E-10	1.98E-09	1.57E-09	1.35E-09	6.09E-10	2.19E-11	5.29E-10	3.72E-10	3.22E-10	9.61E-11	1.34E-09
471363.09, 3849877.25	0.00104	3.793E-06	1.31E-09	3.96E-09	3.13E-09	2.71E-09	1.22E-09	4.38E-11	1.06E-09	7.44E-10	6.44E-10	1.92E-10	2.68E-09
471863.09, 3849877.25	0.00126	4.595E-06	1.59E-09	4.80E-09	3.79E-09	3.28E-09	1.48E-09	5.31E-11	1.28E-09	9.01E-10	7.80E-10	2.33E-10	3.25E-09
472363.09, 3849877.25	0.00153	5.579E-06	1.93E-09	5.83E-09	4.61E-09	3.99E-09	1.79E-09	6.45E-11	1.56E-09	1.09E-09	9.47E-10	2.83E-10	3.95E-09
472863.09, 3849877.25	0.00176	6.418E-06	2.22E-09	6.71E-09	5.30E-09	4.59E-09	2.06E-09	7.42E-11	1.79E-09	1.26E-09	1.09E-09	3.25E-10	4.54E-09
473363.09, 3849877.25	0.00187	6.819E-06	2.36E-09	7.13E-09	5.63E-09	4.87E-09	2.19E-09	7.88E-11	1.90E-09	1.34E-09	1.16E-09	3.46E-10	4.82E-09
473863.09, 3849877.25	0.002	7.293E-06	2.52E-09	7.62E-09	6.02E-09	5.21E-09	2.34E-09	8.43E-11	2.04E-09	1.43E-09	1.24E-09	3.70E-10	5.16E-09
474363.09, 3849877.25	0.00211	7.694E-06	2.66E-09	8.04E-09	6.35E-09	5.50E-09	2.47E-09	8.89E-11	2.15E-09	1.51E-09	1.31E-09	3.90E-10	5.44E-09
474863.09, 3849877.25	0.00214	7.804E-06	2.70E-09	8.16E-09	6.44E-09	5.57E-09	2.51E-09	9.02E-11	2.18E-09	1.53E-09	1.32E-09	3.95E-10	5.52E-09
475363.09, 3849877.25	0.00199	7.257E-06	2.51E-09	7.58E-09	5.99E-09	5.18E-09	2.33E-09	8.39E-11	2.03E-09	1.42E-09	1.23E-09	3.68E-10	5.13E-09
475863.09, 3849877.25	0.00192	7.002E-06	2.42E-09	7.32E-09	5.78E-09	5.00E-09	2.25E-09	8.09E-11	1.95E-09	1.37E-09	1.19E-09	3.55E-10	4.95E-09
476363.09, 3849877.25	0.00198	7.22E-06	2.50E-09	7.55E-09	5.96E-09	5.16E-09	2.32E-09	8.35E-11	2.02E-09	1.42E-09	1.23E-09	3.66E-10	5.11E-09
476863.09, 3849877.25	0.0022	8.023E-06	2.78E-09	8.39E-09	6.62E-09	5.73E-09	2.58E-09	9.27E-11	2.24E-09	1.57E-09	1.36E-09	4.06E-10	5.67E-09
477363.09, 3849877.25	0.00246	8.971E-06	3.11E-09	9.38E-09	7.41E-09	6.41E-09	2.88E-09	1.04E-10	2.50E-09	1.76E-09	1.52E-09	4.55E-10	6.35E-09
477863.09, 3849877.25	0.00247	9.007E-06	3.12E-09	9.41E-09	7.44E-09	6.43E-09	2.89E-09	1.04E-10	2.52E-09	1.77E-09	1.53E-09	4.56E-10	6.37E-09
478363.09, 3849877.25	0.00241	8.788E-06	3.04E-09	9.19E-09	7.26E-09	6.28E-09	2.82E-09	1.02E-10	2.45E-09	1.72E-09	1.49E-09	4.45E-10	6.22E-09
478863.09, 3849877.25	0.00235	8.57E-06	2.97E-09	8.96E-09	7.08E-09	6.12E-09	2.75E-09	9.91E-11	2.39E-09	1.68E-09	1.45E-09	4.34E-10	6.06E-09
479363.09, 3849877.25	0.00197	7.184E-06	2.49E-09	7.51E-09	5.93E-09	5.13E-09	2.31E-09	8.30E-11	2.01E-09	1.41E-09	1.22E-09	3.64E-10	5.08E-09

479863.09, 3849877.25	0.00189	6.892E-06	2.39E-09	7.20E-09	5.69E-09	4.92E-09	2.21E-09	7.97E-11	1.92E-09	1.35E-09	1.17E-09	3.49E-10	4.88E-09
480363.09, 3849877.25	0.00166	6.053E-06	2.10E-09	6.33E-09	5.00E-09	4.32E-09	1.94E-09	7.00E-11	1.69E-09	1.19E-09	1.03E-09	3.07E-10	4.28E-09
480863.09, 3849877.25	0.00148	5.397E-06	1.87E-09	5.64E-09	4.46E-09	3.86E-09	1.73E-09	6.24E-11	1.51E-09	1.06E-09	9.16E-10	2.73E-10	3.82E-09
481363.09, 3849877.25	0.00142	5.178E-06	1.79E-09	5.41E-09	4.28E-09	3.70E-09	1.66E-09	5.99E-11	1.45E-09	1.02E-09	8.79E-10	2.62E-10	3.66E-09
481863.09, 3849877.25	0.00118	4.303E-06	1.49E-09	4.50E-09	3.55E-09	3.07E-09	1.38E-09	4.97E-11	1.20E-09	8.44E-10	7.30E-10	2.18E-10	3.04E-09
482363.09, 3849877.25	0.00113	4.121E-06	1.43E-09	4.31E-09	3.40E-09	2.94E-09	1.32E-09	4.76E-11	1.15E-09	8.08E-10	6.99E-10	2.09E-10	2.91E-09
482863.09, 3849877.25	0.00112	4.084E-06	1.41E-09	4.27E-09	3.37E-09	2.92E-09	1.31E-09	4.72E-11	1.14E-09	8.01E-10	6.93E-10	2.07E-10	2.89E-09
483363.09, 3849877.25	0.00108	3.938E-06	1.36E-09	4.12E-09	3.25E-09	2.81E-09	1.27E-09	4.55E-11	1.10E-09	7.73E-10	6.68E-10	2.00E-10	2.79E-09
483863.09, 3849877.25	0.00105	3.829E-06	1.33E-09	4.00E-09	3.16E-09	2.74E-09	1.23E-09	4.43E-11	1.07E-09	7.51E-10	6.50E-10	1.94E-10	2.71E-09
484363.09, 3849877.25	0.00108	3.938E-06	1.36E-09	4.12E-09	3.25E-09	2.81E-09	1.27E-09	4.55E-11	1.10E-09	7.73E-10	6.68E-10	2.00E-10	2.79E-09
484863.09, 3849877.25	0.00115	4.194E-06	1.45E-09	4.38E-09	3.46E-09	3.00E-09	1.35E-09	4.85E-11	1.17E-09	8.23E-10	7.12E-10	2.12E-10	2.97E-09
485363.09, 3849877.25	0.00109	3.975E-06	1.38E-09	4.15E-09	3.28E-09	2.84E-09	1.28E-09	4.59E-11	1.11E-09	7.80E-10	6.75E-10	2.01E-10	2.81E-09
485863.09, 3849877.25	0.00103	3.756E-06	1.30E-09	3.93E-09	3.10E-09	2.68E-09	1.21E-09	4.34E-11	1.05E-09	7.37E-10	6.38E-10	1.90E-10	2.66E-09
486363.09, 3849877.25	0.00097	3.537E-06	1.22E-09	3.70E-09	2.92E-09	2.53E-09	1.14E-09	4.09E-11	9.88E-10	6.94E-10	6.00E-10	1.79E-10	2.50E-09
486863.09, 3849877.25	0.00093	3.391E-06	1.17E-09	3.54E-09	2.80E-09	2.42E-09	1.09E-09	3.92E-11	9.47E-10	6.65E-10	5.76E-10	1.72E-10	2.40E-09
487363.09, 3849877.25	0.00089	3.246E-06	1.12E-09	3.39E-09	2.68E-09	2.32E-09	1.04E-09	3.75E-11	9.06E-10	6.37E-10	5.51E-10	1.64E-10	2.30E-09
487863.09, 3849877.25	0.00089	3.246E-06	1.12E-09	3.39E-09	2.68E-09	2.32E-09	1.04E-09	3.75E-11	9.06E-10	6.37E-10	5.51E-10	1.64E-10	2.30E-09
488363.09, 3849877.25	0.00088	3.209E-06	1.11E-09	3.35E-09	2.65E-09	2.29E-09	1.03E-09	3.71E-11	8.96E-10	6.30E-10	5.45E-10	1.63E-10	2.27E-09
488863.09, 3849877.25	0.00086	3.136E-06	1.09E-09	3.28E-09	2.59E-09	2.24E-09	1.01E-09	3.63E-11	8.76E-10	6.15E-10	5.32E-10	1.59E-10	2.22E-09
489363.09, 3849877.25	0.00083	3.027E-06	1.05E-09	3.16E-09	2.50E-09	2.16E-09	9.72E-10	3.50E-11	8.45E-10	5.94E-10	5.14E-10	1.53E-10	2.14E-09
489863.09, 3849877.25	0.00081	2.954E-06	1.02E-09	3.09E-09	2.44E-09	2.11E-09	9.49E-10	3.41E-11	8.25E-10	5.79E-10	5.01E-10	1.50E-10	2.09E-09
490363.09, 3849877.25	0.0008	2.917E-06	1.01E-09	3.05E-09	2.41E-09	2.08E-09	9.37E-10	3.37E-11	8.15E-10	5.72E-10	4.95E-10	1.48E-10	2.06E-09
490863.09, 3849877.25	0.00081	2.954E-06	1.02E-09	3.09E-09	2.44E-09	2.11E-09	9.49E-10	3.41E-11	8.25E-10	5.79E-10	5.01E-10	1.50E-10	2.09E-09
491363.09, 3849877.25	0.0008	2.917E-06	1.01E-09	3.05E-09	2.41E-09	2.08E-09	9.37E-10	3.37E-11	8.15E-10	5.72E-10	4.95E-10	1.48E-10	2.06E-09
491863.09, 3849877.25	0.00072	2.626E-06	9.09E-10	2.74E-09	2.17E-09	1.88E-09	8.43E-10	3.04E-11	7.33E-10	5.15E-10	4.46E-10	1.33E-10	1.86E-09
492363.09, 3849877.25	0.00065	2.37E-06	8.21E-10	2.48E-09	1.96E-09	1.69E-09	7.61E-10	2.74E-11	6.62E-10	4.65E-10	4.02E-10	1.20E-10	1.68E-09
492863.09, 3849877.25	0.0006	2.188E-06	7.57E-10	2.29E-09	1.81E-09	1.56E-09	7.03E-10	2.53E-11	6.11E-10	4.29E-10	3.71E-10	1.11E-10	1.55E-09
493363.09, 3849877.25	0.00057	2.079E-06	7.20E-10	2.17E-09	1.72E-09	1.48E-09	6.68E-10	2.40E-11	5.80E-10	4.08E-10	3.53E-10	1.05E-10	1.47E-09
493863.09, 3849877.25	0.00053	1.933E-06	6.69E-10	2.02E-09	1.60E-09	1.38E-09	6.21E-10	2.23E-11	5.40E-10	3.79E-10	3.28E-10	9.79E-11	1.37E-09
494363.09, 3849877.25	0.00057	2.079E-06	7.20E-10	2.17E-09	1.72E-09	1.48E-09	6.68E-10	2.40E-11	5.80E-10	4.08E-10	3.53E-10	1.05E-10	1.47E-09
494863.09, 3849877.25	0.00056	2.042E-06	7.07E-10	2.13E-09	1.69E-09	1.46E-09	6.56E-10	2.36E-11	5.70E-10	4.01E-10	3.47E-10	1.03E-10	1.44E-09
495363.09, 3849877.25	0.00051	1.86E-06	6.44E-10	1.94E-09	1.54E-09	1.33E-09	5.97E-10	2.15E-11	5.19E-10	3.65E-10	3.16E-10	9.42E-11	1.32E-09
495863.09, 3849877.25	0.00053	1.933E-06	6.69E-10	2.02E-09	1.60E-09	1.38E-09	6.21E-10	2.23E-11	5.40E-10	3.79E-10	3.28E-10	9.79E-11	1.37E-09
496363.09, 3849877.25	0.00053	1.933E-06	6.69E-10	2.02E-09	1.60E-09	1.38E-09	6.21E-10	2.23E-11	5.40E-10	3.79E-10	3.28E-10	9.79E-11	1.37E-09
496863.09, 3849877.25	0.00051	1.86E-06	6.44E-10	1.94E-09	1.54E-09	1.33E-09	5.97E-10	2.15E-11	5.19E-10	3.65E-10	3.16E-10	9.42E-11	1.32E-09
497363.09, 3849877.25	0.00055	2.006E-06	6.94E-10	2.10E-09	1.66E-09	1.43E-09	6.44E-10	2.32E-11	5.60E-10	3.93E-10	3.40E-10	1.02E-10	1.42E-09
497863.09, 3849877.25	0.00057	2.079E-06	7.20E-10	2.17E-09	1.72E-09	1.48E-09	6.68E-10	2.40E-11	5.80E-10	4.08E-10	3.53E-10	1.05E-10	1.47E-09
498363.09, 3849877.25	0.00055	2.006E-06	6.94E-10	2.10E-09	1.66E-09	1.43E-09	6.44E-10	2.32E-11	5.60E-10	3.93E-10	3.40E-10	1.02E-10	1.42E-09
471363.09, 3850377.25	0.00091	3.318E-06	1.15E-09	3.47E-09	2.74E-09	2.37E-09	1.07E-09	3.84E-11	9.27E-10	6.51E-10	5.63E-10	1.68E-10	2.35E-09
471863.09, 3850377.25	0.00107	3.902E-06	1.35E-09	4.08E-09	3.22E-09	2.79E-09	1.25E-09	4.51E-11	1.09E-09	7.65E-10	6.62E-10	1.98E-10	2.76E-09
472363.09, 3850377.25	0.00118	4.303E-06	1.49E-09	4.50E-09	3.55E-09	3.07E-09	1.38E-09	4.97E-11	1.20E-09	8.44E-10	7.30E-10	2.18E-10	3.04E-09
472863.09, 3850377.25	0.00149	5.434E-06	1.88E-09	5.68E-09	4.49E-09	3.88E-09	1.75E-09	6.28E-11	1.52E-09	1.07E-09	9.22E-10	2.75E-10	3.84E-09
473363.09, 3850377.25	0.00161	5.871E-06	2.03E-09	6.14E-09	4.85E-09	4.19E-09	1.89E-09	6.79E-11	1.64E-09	1.15E-09	9.97E-10	2.97E-10	4.15E-09
473863.09, 3850377.25	0.00185	6.746E-06	2.34E-09	7.05E-09	5.57E-09	4.82E-09	2.17E-09	7.80E-11	1.88E-09	1.32E-09	1.15E-09	3.42E-10	4.77E-09
474363.09, 3850377.25	0.00206	7.512E-06	2.60E-09	7.85E-09	6.20E-09	5.37E-09	2.41E-09	8.68E-11	2.10E-09	1.47E-09	1.28E-09	3.81E-10	5.31E-09
474863.09, 3850377.25	0.00222	8.096E-06	2.80E-09	8.46E-09	6.68E-09	5.78E-09	2.60E-09	9.36E-11	2.26E-09	1.59E-09	1.37E-09	4.10E-10	5.73E-09
475363.09, 3850377.25	0.00235	8.57E-06	2.97E-09	8.96E-09	7.08E-09	6.12E-09	2.75E-09	9.91E-11	2.39E-09	1.68E-09	1.45E-09	4.34E-10	6.06E-09
475863.09, 3850377.25	0.00232	8.46E-06	2.93E-09	8.84E-09	6.98E-09	6.04E-09	2.72E-09	9.78E-11	2.36E-09	1.66E-09	1.44E-09	4.29E-10	5.98E-09
476363.09, 3850377.25	0.00216	7.877E-06	2.73E-09	8.23E-09	6.50E-09	5.63E-09	2.53E-09	9.11E-11	2.20E-09	1.55E-09	1.34E-09	3.99E-10	5.57E-09
476863.09, 3850377.25	0.00212	7.731E-06	2.68E-09	8.08E-09	6.38E-09	5.52E-09	2.48E-09	8.94E-11	2.16E-09	1.52E-09	1.31E-09	3.92E-10	5.47E-09
477363.09, 3850377.25	0.00232	8.46E-06	2.93E-09	8.84E-09	6.98E-09	6.04E-09	2.72E-09	9.78E-11	2.36E-09	1.66E-09	1.44E-09	4.29E-10	5.98E-09
477863.09, 3850377.25	0.00251	9.153E-06	3.17E-09	9.57E-09	7.56E-09	6.54E-09	2.94E-09	1.06E-10	2.56E-09	1.80E-09	1.55E-09	4.64E-10	6.47E-09
478363.09, 3850377.25	0.00256	9.335E-06	3.23E-09	9.76E-09	7.71E-09	6.67E-09	3.00E-09	1.08E-10	2.61E-09	1.83E-09	1.58E-09	4.73E-10	6.60E-09
478863.09, 3850377.25	0.00292	1.065E-05	3.69E-09	1.11E-08	8.79E-09	7.61E-09	3.42E-09	1.23E-10	2.97E-09	2.09E-09	1.81E-09	5.40E-10	7.53E-09
479363.09, 3850377.25	0.00291	1.061E-05	3.67E-09	1.11E-08	8.76E-09	7.58E-09	3.41E-09	1.23E-10	2.96E-09	2.08E-09	1.80E-09	5.38E-10	7.51E-09
479863.09, 3850377.25	0.00236	8.606E-06	2.98E-09	9.00E-09	7.11E-09	6.15E-09	2.76E-09	9.95E-11	2.40E-09	1.69E-09	1.46E-09	4.36E-10	6.09E-09
480363.09, 3850377.25	0.0021	7.658E-06	2.65E-09	8.00E-09	6.32E-09	5.47E-09	2.46E-09	8.85E-11	2.14E-09	1.50E-09	1.30E-09	3.88E-10	5.42E-09
480863.09, 3850377.25	0.00211	7.694E-06	2.66E-09	8.04E-09	6.35E-09	5.50E-09	2.47E-09	8.89E-11	2.15E-09	1.51E-09	1.31E-09	3.90E-10	5.44E-09
481363.09, 3850377.25	0.00152	5.543E-06	1.92E-09	5.79E-09	4.58E-09	3.96E-09	1.78E-09	6.41E-11	1.55E-09	1.09E-09	9.41E-10	2.81E-10	3.92E-09
481863.09, 3850377.25	0.0015	5.47E-06	1.89E-09	5.72E-09	4.52E-09	3.91E-09	1.76E-09	6.32E-11	1.53E-09	1.07E-09	9.28E-10	2.77E-10	3.87E-09
482363.09, 3850377.25	0.00146	5.324E-06	1.84E-09	5.56E-09	4.40E-09	3.80E-09	1.71E-09	6.15E-11	1.49E-09	1.04E-09	9.04E-10	2.70E-10	3.77E-09
482863.09, 3850377.25	0.00126	4.595E-06	1.59E-09	4.80E-09	3.79E-09	3.28E-09	1.48E-09	5.31E-11	1.28E-09	9.01E-10	7.80E-10	2.33E-10	3.25E-09
483363.09, 3850377.25	0.00121	4.412E-06	1.53E-09	4.61E-09	3.64E-09	3.15E-09	1.42E-09	5.10E-11	1.23E-09	8.66E-10	7.49E-10	2.24E-10	3.12E-09
483863.09, 3850377.25	0.00126	4.595E-06	1.59E-09	4.80E-09	3.79E-09	3.28E-09	1.48E-09	5.31E-11	1.28E-09	9.01E-10	7.80E-10	2.33E-10	3.25E-09
484363.09, 3850377.25	0.00129	4.704E-06	1.63E-09	4.92E-09	3.88E-09	3.36E-09	1.51E-09	5.44E-11	1.31E-09	9.23E-10	7.98E-10	2.38E-10	3.33E-09
484863.09, 3850377.25	0.00131	4.777E-06	1.65E-09	4.99E-09	3.94E-09	3.41E-09	1.53E-09	5.52E-11	1.33E-09	9.37E-10	8.11E-10	2.42E-10	3.38E-09
485363.09, 3850377.25	0.00123	4.485E-06	1.55E-09	4.69E-09	3.70E-09	3.20E-09	1.44E-09	5.18E-11	1.25E-09	8.80E-10	7.61E-10	2.27E-10	3.17E-09
485863.09, 3850377.25	0.00115	4.194E-06	1.45E-09	4.38E-09	3.46E-09	3.00E-09	1.35E-09	4.85E-11	1.17E-09	8.23E-10	7.12E-10	2.12E-10	2.97E-09
486363.09, 3850377.25	0.00114	4.157E-06	1.44E-09	4.35E-09	3.43E-09	2.97E-09	1.34E-09	4.81E-11	1.16E-09	8.16E-10	7.06E-10	2.11E-10	2.94E-09
486863.09, 3850377.25	0.00108	3.938E-06	1.36E-09	4.12E-09	3.25E-09	2.81E-09	1.27E-09	4.55E-11	1.10E-09	7.73E-10	6.68E-10	2.00E-10	2.79E-09
487363.09, 3850377.25	0.00098	3.574E-06	1.24E-09	3.74E-09	2.95E-09	2.55E-09	1.15E-09	4.13E-11	9.98E-10	7.01E-10	6.07E-10	1.81E-10	2.53E-09
487863.09, 3850377.25	0.00095	3.464E-06	1.20E-09	3.62E-09	2.86E-09	2.47E-09	1.11E-09	4.00E-11	9.67E-10	6.80E-10	5.88E-10	1.76E-10	2.45E-09
488363.09, 3850377.25	0.00095	3.464E-06	1.20E-09	3.62E-09	2.86E-09	2.47E-09	1.11E-09	4.00E-11	9.67E-10	6.80E-10	5.88E-10	1.76E-10	2.45E-09
488863.09, 3850377.25	0.00094	3.428E-06	1.19E-09	3.58E-09	2.83E-09	2.45E-09	1.10E-09	3.96E-11	9.57E-10	6.72E-10	5.82E-10	1.74E-10	2.42E-09
489363.09, 3850377.25	0.0009	3.282E-06	1.14E-09	3.43E-09	2.71E-09	2.34E-09	1.05E-09	3.79E-11	9.16E-10	6.44E-10	5.57E-10	1.66E-10	2.32E-09
489863.09, 3850377.25	0.00087	3.173E-06	1.10E-09	3.32E-09	2.62E-09	2.27E-09	1.02E-09	3.67E-11	8.86E-10	6.22E-10	5.39E-10	1.61E-10	2.24E-09
490363.09, 3850377.25	0.00085	3.1E-06	1.07E-09	3.24E-09	2.56E-09	2.21E-09	9.96E-10	3.58E-11	8.65E-10	6.08E-10	5.26E-10	1.57E-10	2.19E-09
490863.09, 3850377.25	0.00086	3.136E-06	1.09E-09	3.28E-09	2.59E-09	2.24E-09	1.01E-09	3.63E-11	8.76E-10	6.15E-10	5.32E-10	1.59E-10	2.22E-09
491363.09, 3850377.25	0.00086	3.136E-06	1.09E-09	3.28E-09	2.59E-09	2.24E-09	1.01E-09	3.63E-11	8.76E-10	6.15E-10	5.32E-10	1.59E-10	2.22E-09
491863.09, 3850377.25	0.00079	2.881E-06	9.97E-10	3.01E-09	2.38E-09	2.06E-09	9.25E-10	3.33E-11	8.04E-10	5.65E-10	4.89E-10	1.46E-10	2.04E-09

492363.09, 3850377.25	0.0007	2.553E-06	8.84E-10	2.67E-09	2.11E-09	1.82E-09	8.20E-10	2.95E-11	7.13E-10	5.01E-10	4.33E-10	1.29E-10	1.81E-09
492863.09, 3850377.25	0.00065	2.37E-06	8.21E-10	2.48E-09	1.96E-09	1.69E-09	7.61E-10	2.74E-11	6.62E-10	4.65E-10	4.02E-10	1.20E-10	1.68E-09
493363.09, 3850377.25	0.00062	2.261E-06	7.83E-10	2.36E-09	1.87E-09	1.62E-09	7.26E-10	2.61E-11	6.31E-10	4.44E-10	3.84E-10	1.15E-10	1.60E-09
493863.09, 3850377.25	0.00064	2.334E-06	8.08E-10	2.44E-09	1.93E-09	1.67E-09	7.50E-10	2.70E-11	6.52E-10	4.58E-10	3.96E-10	1.18E-10	1.65E-09
494363.09, 3850377.25	0.00062	2.261E-06	7.83E-10	2.36E-09	1.87E-09	1.62E-09	7.26E-10	2.61E-11	6.31E-10	4.44E-10	3.84E-10	1.15E-10	1.60E-09
494863.09, 3850377.25	0.00061	2.224E-06	7.70E-10	2.33E-09	1.84E-09	1.59E-09	7.15E-10	2.57E-11	6.21E-10	4.36E-10	3.78E-10	1.13E-10	1.57E-09
495363.09, 3850377.25	0.00061	2.224E-06	7.70E-10	2.33E-09	1.84E-09	1.59E-09	7.15E-10	2.57E-11	6.21E-10	4.36E-10	3.78E-10	1.13E-10	1.57E-09
495863.09, 3850377.25	0.00059	2.152E-06	7.45E-10	2.25E-09	1.78E-09	1.54E-09	6.91E-10	2.49E-11	6.01E-10	4.22E-10	3.65E-10	1.09E-10	1.52E-09
496363.09, 3850377.25	0.00059	2.152E-06	7.45E-10	2.25E-09	1.78E-09	1.54E-09	6.91E-10	2.49E-11	6.01E-10	4.22E-10	3.65E-10	1.09E-10	1.52E-09
496863.09, 3850377.25	0.00059	2.152E-06	7.45E-10	2.25E-09	1.78E-09	1.54E-09	6.91E-10	2.49E-11	6.01E-10	4.22E-10	3.65E-10	1.09E-10	1.52E-09
497363.09, 3850377.25	0.00059	2.152E-06	7.45E-10	2.25E-09	1.78E-09	1.54E-09	6.91E-10	2.49E-11	6.01E-10	4.22E-10	3.65E-10	1.09E-10	1.52E-09
497863.09, 3850377.25	0.0006	2.188E-06	7.57E-10	2.29E-09	1.81E-09	1.56E-09	7.03E-10	2.53E-11	6.11E-10	4.29E-10	3.71E-10	1.11E-10	1.55E-09
498363.09, 3850377.25	0.00058	2.115E-06	7.32E-10	2.21E-09	1.75E-09	1.51E-09	6.79E-10	2.44E-11	5.91E-10	4.15E-10	3.59E-10	1.07E-10	1.50E-09
471363.09, 3850877.25	0.00102	3.72E-06	1.29E-09	3.89E-09	3.07E-09	2.66E-09	1.19E-09	4.30E-11	1.04E-09	7.30E-10	6.31E-10	1.88E-10	2.63E-09
471863.09, 3850877.25	0.00107	3.902E-06	1.35E-09	4.08E-09	3.22E-09	2.79E-09	1.25E-09	4.51E-11	1.09E-09	7.65E-10	6.62E-10	1.98E-10	2.76E-09
472363.09, 3850877.25	0.00116	4.23E-06	1.46E-09	4.42E-09	3.49E-09	3.02E-09	1.36E-09	4.89E-11	1.18E-09	8.30E-10	7.18E-10	2.14E-10	2.99E-09
472863.09, 3850877.25	0.00137	4.996E-06	1.73E-09	5.22E-09	4.12E-09	3.57E-09	1.60E-09	5.78E-11	1.39E-09	9.80E-10	8.48E-10	2.53E-10	3.53E-09
473363.09, 3850877.25	0.0013	4.741E-06	1.64E-09	4.95E-09	3.91E-09	3.39E-09	1.52E-09	5.48E-11	1.32E-09	9.30E-10	8.05E-10	2.40E-10	3.35E-09
473863.09, 3850877.25	0.00152	5.543E-06	1.92E-09	5.79E-09	4.58E-09	3.96E-09	1.78E-09	6.41E-11	1.55E-09	1.09E-09	9.41E-10	2.81E-10	3.92E-09
474363.09, 3850877.25	0.00191	6.965E-06	2.41E-09	7.28E-09	5.75E-09	4.98E-09	2.24E-09	8.05E-11	1.94E-09	1.37E-09	1.18E-09	3.53E-10	4.93E-09
474863.09, 3850877.25	0.00211	7.694E-06	2.66E-09	8.04E-09	6.35E-09	5.50E-09	2.47E-09	8.89E-11	2.15E-09	1.51E-09	1.31E-09	3.90E-10	5.44E-09
475363.09, 3850877.25	0.0023	8.387E-06	2.90E-09	8.77E-09	6.92E-09	5.99E-09	2.69E-09	9.70E-11	2.34E-09	1.65E-09	1.42E-09	4.25E-10	5.93E-09
475863.09, 3850877.25	0.00249	9.08E-06	3.14E-09	9.49E-09	7.50E-09	6.49E-09	2.92E-09	1.05E-10	2.54E-09	1.78E-09	1.54E-09	4.60E-10	6.42E-09
476363.09, 3850877.25	0.0026	9.481E-06	3.28E-09	9.91E-09	7.83E-09	6.77E-09	3.05E-09	1.10E-10	2.65E-09	1.86E-09	1.61E-09	4.80E-10	6.71E-09
476863.09, 3850877.25	0.00254	9.263E-06	3.21E-09	9.68E-09	7.65E-09	6.62E-09	2.98E-09	1.07E-10	2.59E-09	1.82E-09	1.57E-09	4.69E-10	6.55E-09
477363.09, 3850877.25	0.00244	8.898E-06	3.08E-09	9.30E-09	7.35E-09	6.36E-09	2.86E-09	1.03E-10	2.48E-09	1.75E-09	1.51E-09	4.51E-10	6.29E-09
477863.09, 3850877.25	0.0025	9.117E-06	3.16E-09	9.53E-09	7.53E-09	6.51E-09	2.93E-09	1.05E-10	2.55E-09	1.79E-09	1.55E-09	4.62E-10	6.45E-09
478363.09, 3850877.25	0.0027	9.846E-06	3.41E-09	1.03E-08	8.13E-09	7.03E-09	3.16E-09	1.14E-10	2.75E-09	1.93E-09	1.67E-09	4.99E-10	6.96E-09
478863.09, 3850877.25	0.0031	1.13E-05	3.91E-09	1.18E-08	9.33E-09	8.08E-09	3.63E-09	1.31E-10	3.16E-09	2.22E-09	1.92E-09	5.73E-10	8.00E-09
479363.09, 3850877.25	0.00335	1.222E-05	4.23E-09	1.28E-08	1.01E-08	8.73E-09	3.92E-09	1.41E-10	3.41E-09	2.40E-09	2.07E-09	6.19E-10	8.64E-09
479863.09, 3850877.25	0.00316	1.152E-05	3.99E-09	1.20E-08	9.51E-09	8.23E-09	3.70E-09	1.33E-10	3.22E-09	2.26E-09	1.96E-09	5.84E-10	8.15E-09
480363.09, 3850877.25	0.00314	1.145E-05	3.96E-09	1.20E-08	9.45E-09	8.18E-09	3.68E-09	1.32E-10	3.20E-09	2.25E-09	1.94E-09	5.80E-10	8.10E-09
480863.09, 3850877.25	0.00271	9.882E-06	3.42E-09	1.03E-08	8.16E-09	7.06E-09	3.17E-09	1.14E-10	2.76E-09	1.94E-09	1.68E-09	5.01E-10	6.99E-09
481363.09, 3850877.25	0.00247	9.007E-06	3.12E-09	9.41E-09	7.44E-09	6.43E-09	2.89E-09	1.04E-10	2.52E-09	1.77E-09	1.53E-09	4.56E-10	6.37E-09
481863.09, 3850877.25	0.00214	7.804E-06	2.70E-09	8.16E-09	6.44E-09	5.57E-09	2.51E-09	9.02E-11	2.18E-09	1.53E-09	1.32E-09	3.95E-10	5.52E-09
482363.09, 3850877.25	0.00176	6.418E-06	2.22E-09	6.71E-09	5.30E-09	4.59E-09	2.06E-09	7.42E-11	1.79E-09	1.26E-09	1.09E-09	3.25E-10	4.54E-09
482863.09, 3850877.25	0.00156	5.689E-06	1.97E-09	5.95E-09	4.70E-09	4.06E-09	1.83E-09	6.58E-11	1.59E-09	1.12E-09	9.66E-10	2.88E-10	4.02E-09
483363.09, 3850877.25	0.00141	5.142E-06	1.78E-09	5.37E-09	4.25E-09	3.67E-09	1.65E-09	5.94E-11	1.44E-09	1.01E-09	8.73E-10	2.61E-10	3.64E-09
483863.09, 3850877.25	0.00146	5.324E-06	1.84E-09	5.56E-09	4.40E-09	3.80E-09	1.71E-09	6.15E-11	1.49E-09	1.04E-09	9.04E-10	2.70E-10	3.77E-09
484363.09, 3850877.25	0.00157	5.725E-06	1.98E-09	5.98E-09	4.73E-09	4.09E-09	1.84E-09	6.62E-11	1.60E-09	1.12E-09	9.72E-10	2.90E-10	4.05E-09
484863.09, 3850877.25	0.00147	5.361E-06	1.86E-09	5.60E-09	4.43E-09	3.83E-09	1.72E-09	6.20E-11	1.50E-09	1.05E-09	9.10E-10	2.72E-10	3.79E-09
485363.09, 3850877.25	0.00142	5.178E-06	1.79E-09	5.41E-09	4.28E-09	3.70E-09	1.66E-09	5.99E-11	1.45E-09	1.02E-09	8.79E-10	2.62E-10	3.66E-09
485863.09, 3850877.25	0.00126	4.595E-06	1.59E-09	4.80E-09	3.79E-09	3.28E-09	1.48E-09	5.31E-11	1.28E-09	9.01E-10	7.80E-10	2.33E-10	3.25E-09
486363.09, 3850877.25	0.00125	4.558E-06	1.58E-09	4.76E-09	3.76E-09	3.26E-09	1.46E-09	5.27E-11	1.27E-09	8.94E-10	7.74E-10	2.31E-10	3.22E-09
486863.09, 3850877.25	0.00122	4.449E-06	1.54E-09	4.65E-09	3.67E-09	3.18E-09	1.43E-09	5.14E-11	1.24E-09	8.73E-10	7.55E-10	2.25E-10	3.15E-09
487363.09, 3850877.25	0.00113	4.121E-06	1.43E-09	4.31E-09	3.40E-09	2.94E-09	1.32E-09	4.76E-11	1.15E-09	8.08E-10	6.99E-10	2.09E-10	2.91E-09
487863.09, 3850877.25	0.00103	3.756E-06	1.30E-09	3.93E-09	3.10E-09	2.68E-09	1.21E-09	4.34E-11	1.05E-09	7.37E-10	6.38E-10	1.90E-10	2.66E-09
488363.09, 3850877.25	0.00101	3.683E-06	1.27E-09	3.85E-09	3.04E-09	2.63E-09	1.18E-09	4.26E-11	1.03E-09	7.23E-10	6.25E-10	1.87E-10	2.61E-09
488863.09, 3850877.25	0.00102	3.72E-06	1.29E-09	3.89E-09	3.07E-09	2.66E-09	1.19E-09	4.30E-11	1.04E-09	7.30E-10	6.31E-10	1.88E-10	2.63E-09
489363.09, 3850877.25	0.001	3.647E-06	1.26E-09	3.81E-09	3.01E-09	2.61E-09	1.17E-09	4.22E-11	1.02E-09	7.15E-10	6.19E-10	1.85E-10	2.58E-09
489863.09, 3850877.25	0.00094	3.428E-06	1.19E-09	3.58E-09	2.83E-09	2.45E-09	1.10E-09	3.96E-11	9.57E-10	6.72E-10	5.82E-10	1.74E-10	2.42E-09
490363.09, 3850877.25	0.00092	3.355E-06	1.16E-09	3.51E-09	2.77E-09	2.40E-09	1.08E-09	3.88E-11	9.37E-10	6.58E-10	5.69E-10	1.70E-10	2.37E-09
490863.09, 3850877.25	0.00092	3.355E-06	1.16E-09	3.51E-09	2.77E-09	2.40E-09	1.08E-09	3.88E-11	9.37E-10	6.58E-10	5.69E-10	1.70E-10	2.37E-09
491363.09, 3850877.25	0.00093	3.391E-06	1.17E-09	3.54E-09	2.80E-09	2.42E-09	1.09E-09	3.92E-11	9.47E-10	6.65E-10	5.76E-10	1.72E-10	2.40E-09
491863.09, 3850877.25	0.00088	3.209E-06	1.11E-09	3.35E-09	2.65E-09	2.29E-09	1.03E-09	3.71E-11	8.96E-10	6.30E-10	5.45E-10	1.63E-10	2.27E-09
492363.09, 3850877.25	0.00079	2.881E-06	9.97E-10	3.01E-09	2.38E-09	2.06E-09	9.25E-10	3.33E-11	8.04E-10	5.65E-10	4.89E-10	1.46E-10	2.04E-09
492863.09, 3850877.25	0.00073	2.662E-06	9.22E-10	2.78E-09	2.20E-09	1.90E-09	8.55E-10	3.08E-11	7.43E-10	5.22E-10	4.52E-10	1.35E-10	1.88E-09
493363.09, 3850877.25	0.0007	2.553E-06	8.84E-10	2.67E-09	2.11E-09	1.82E-09	8.20E-10	2.95E-11	7.13E-10	5.01E-10	4.33E-10	1.29E-10	1.81E-09
493863.09, 3850877.25	0.00073	2.662E-06	9.22E-10	2.78E-09	2.20E-09	1.90E-09	8.55E-10	3.08E-11	7.43E-10	5.22E-10	4.52E-10	1.35E-10	1.88E-09
494363.09, 3850877.25	0.00071	2.589E-06	8.96E-10	2.71E-09	2.14E-09	1.85E-09	8.32E-10	2.99E-11	7.23E-10	5.08E-10	4.39E-10	1.31E-10	1.83E-09
494863.09, 3850877.25	0.00069	2.516E-06	8.71E-10	2.63E-09	2.08E-09	1.80E-09	8.08E-10	2.91E-11	7.03E-10	4.94E-10	4.27E-10	1.27E-10	1.78E-09
495363.09, 3850877.25	0.00067	2.443E-06	8.46E-10	2.55E-09	2.02E-09	1.75E-09	7.85E-10	2.82E-11	6.82E-10	4.79E-10	4.15E-10	1.24E-10	1.73E-09
495863.09, 3850877.25	0.00066	2.407E-06	8.33E-10	2.52E-09	1.99E-09	1.72E-09	7.73E-10	2.78E-11	6.72E-10	4.72E-10	4.09E-10	1.22E-10	1.70E-09
496363.09, 3850877.25	0.00065	2.37E-06	8.21E-10	2.48E-09	1.96E-09	1.69E-09	7.61E-10	2.74E-11	6.62E-10	4.65E-10	4.02E-10	1.20E-10	1.68E-09
496863.09, 3850877.25	0.00064	2.334E-06	8.08E-10	2.44E-09	1.93E-09	1.67E-09	7.50E-10	2.70E-11	6.52E-10	4.58E-10	3.96E-10	1.18E-10	1.65E-09
497363.09, 3850877.25	0.00064	2.334E-06	8.08E-10	2.44E-09	1.93E-09	1.67E-09	7.50E-10	2.70E-11	6.52E-10	4.58E-10	3.96E-10	1.18E-10	1.65E-09
497863.09, 3850877.25	0.00064	2.334E-06	8.08E-10	2.44E-09	1.93E-09	1.67E-09	7.50E-10	2.70E-11	6.52E-10	4.58E-10	3.96E-10	1.18E-10	1.65E-09
498363.09, 3850877.25	0.00061	2.224E-06	7.70E-10	2.33E-09	1.84E-09	1.59E-09	7.15E-10	2.57E-11	6.21E-10	4.36E-10	3.78E-10	1.13E-10	1.57E-09
471363.09, 3851377.25	0.00114	4.157E-06	1.44E-09	4.35E-09	3.43E-09	2.97E-09	1.34E-09	4.81E-11	1.16E-09	8.16E-10	7.06E-10	2.11E-10	2.94E-09
471863.09, 3851377.25	0.00127	4.631E-06	1.60E-09	4.84E-09	3.82E-09	3.31E-09	1.49E-09	5.35E-11	1.29E-09	9.08E-10	7.86E-10	2.35E-10	3.28E-09
472363.09, 3851377.25	0.00123	4.485E-06	1.55E-09	4.69E-09	3.70E-09	3.20E-09	1.44E-09	5.18E-11	1.25E-09	8.80E-10	7.61E-10	2.27E-10	3.17E-09
472863.09, 3851377.25	0.00122	4.449E-06	1.54E-09	4.65E-09	3.67E-09	3.18E-09	1.43E-09	5.14E-11	1.24E-09	8.73E-10	7.55E-10	2.25E-10	3.15E-09
473363.09, 3851377.25	0.00115	4.194E-06	1.45E-09	4.38E-09	3.46E-09	3.00E-09	1.35E-09	4.85E-11	1.17E-09	8.23E-10	7.12E-10	2.12E-10	2.97E-09
473863.09, 3851377.25	0.0012	4.376E-06	1.51E-09	4.57E-09	3.61E-09	3.13E-09	1.41E-09	5.06E-11	1.22E-09	8.58E-10	7.43E-10	2.22E-10	3.10E-09
474363.09, 3851377.25	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
474863.09, 3851377.25	0.00172	6.272E-06	2.17E-09	6.56E-09	5.18E-09	4.48E-09	2.01E-09	7.25E-11	1.75E-09	1.23E-09	1.06E-09	3.18E-10	4.44E-09
475363.09, 3851377.25	0.00203	7.403E-06	2.56E-09	7.74E-09	6.11E-09	5.29E-09	2.38E-09	8.56E-11	2.07E-09	1.45E-09	1.26E-09	3.75E-10	5.24E-09
475863.09, 3851377.25	0.00225	8.205E-06	2.84E-09	8.58E-09	6.77E-09	5.86E-09	2.64E-09	9.48E-11	2.29E-09	1.61E-09	1.39E-09	4.16E-10	5.80E-09
476363.09, 3851377.25	0.00245	8.934E-06	3.09E-09	9.34E-09	7.38E-09	6.38E-09	2.87E-09	1.03E-10	2.49E-09	1.75E-09	1.52E-09	4.53E-10	6.32E-09
476863.09, 3851377.25	0.00245	8.934E-06	3.09E-09	9.34E-09	7.38E-09	6.38E-09	2.87E-09	1.03E-10	2.49E-09	1.75E-09	1.52E-09	4.53E-10	6.32E-09

477363.09, 3851377.25	0.00283	1.032E-05	3.57E-09	1.08E-08	8.52E-09	7.37E-09	3.32E-09	1.19E-10	2.88E-09	2.02E-09	1.75E-09	5.23E-10	7.30E-09
477863.09, 3851377.25	0.00278	1.014E-05	3.51E-09	1.06E-08	8.37E-09	7.24E-09	3.26E-09	1.17E-10	2.83E-09	1.99E-09	1.72E-09	5.14E-10	7.17E-09
478363.09, 3851377.25	0.00265	9.664E-06	3.35E-09	1.01E-08	7.98E-09	6.90E-09	3.10E-09	1.12E-10	2.70E-09	1.90E-09	1.64E-09	4.90E-10	6.84E-09
478863.09, 3851377.25	0.00284	1.036E-05	3.59E-09	1.08E-08	8.55E-09	7.40E-09	3.33E-09	1.20E-10	2.89E-09	2.03E-09	1.76E-09	5.25E-10	7.33E-09
479363.09, 3851377.25	0.00316	1.152E-05	3.99E-09	1.20E-08	9.51E-09	8.23E-09	3.70E-09	1.33E-10	3.22E-09	2.26E-09	1.96E-09	5.84E-10	8.15E-09
479863.09, 3851377.25	0.00366	1.335E-05	4.62E-09	1.40E-08	1.10E-08	9.53E-09	4.29E-09	1.54E-10	3.73E-09	2.62E-09	2.27E-09	6.76E-10	9.44E-09
480363.09, 3851377.25	0.00394	1.437E-05	4.97E-09	1.50E-08	1.19E-08	1.03E-08	4.62E-09	1.66E-10	4.01E-09	2.82E-09	2.44E-09	7.28E-10	1.02E-08
480863.09, 3851377.25	0.00379	1.382E-05	4.78E-09	1.44E-08	1.14E-08	9.87E-09	4.44E-09	1.60E-10	3.86E-09	2.71E-09	2.35E-09	7.00E-10	9.78E-09
481363.09, 3851377.25	0.00324	1.182E-05	4.09E-09	1.23E-08	9.75E-09	8.44E-09	3.80E-09	1.37E-10	3.30E-09	2.32E-09	2.01E-09	5.99E-10	8.36E-09
481863.09, 3851377.25	0.00267	9.737E-06	3.37E-09	1.02E-08	8.04E-09	6.96E-09	3.13E-09	1.13E-10	2.72E-09	1.91E-09	1.65E-09	4.93E-10	6.89E-09
482363.09, 3851377.25	0.00239	8.716E-06	3.02E-09	9.11E-09	7.20E-09	6.23E-09	2.80E-09	1.01E-10	2.43E-09	1.71E-09	1.48E-09	4.42E-10	6.16E-09
482863.09, 3851377.25	0.00189	6.892E-06	2.39E-09	7.20E-09	5.69E-09	4.92E-09	2.21E-09	7.97E-11	1.92E-09	1.35E-09	1.17E-09	3.49E-10	4.88E-09
483363.09, 3851377.25	0.00168	6.126E-06	2.12E-09	6.40E-09	5.06E-09	4.38E-09	1.97E-09	7.08E-11	1.71E-09	1.20E-09	1.04E-09	3.10E-10	4.33E-09
483863.09, 3851377.25	0.00162	5.908E-06	2.05E-09	6.17E-09	4.88E-09	4.22E-09	1.90E-09	6.83E-11	1.65E-09	1.16E-09	1.00E-09	2.99E-10	4.18E-09
484363.09, 3851377.25	0.0019	6.929E-06	2.40E-09	7.24E-09	5.72E-09	4.95E-09	2.23E-09	8.01E-11	1.93E-09	1.36E-09	1.18E-09	3.51E-10	4.90E-09
484863.09, 3851377.25	0.0016	5.835E-06	2.02E-09	6.10E-09	4.82E-09	4.17E-09	1.87E-09	6.74E-11	1.63E-09	1.14E-09	9.90E-10	2.96E-10	4.13E-09
485363.09, 3851377.25	0.00166	6.053E-06	2.10E-09	6.33E-09	5.00E-09	4.32E-09	1.94E-09	7.00E-11	1.69E-09	1.19E-09	1.03E-09	3.07E-10	4.28E-09
485863.09, 3851377.25	0.00145	5.288E-06	1.83E-09	5.53E-09	4.37E-09	3.78E-09	1.70E-09	6.11E-11	1.48E-09	1.04E-09	8.98E-10	2.68E-10	3.74E-09
486363.09, 3851377.25	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
486863.09, 3851377.25	0.00135	4.923E-06	1.70E-09	5.15E-09	4.06E-09	3.52E-09	1.58E-09	5.69E-11	1.37E-09	9.66E-10	8.36E-10	2.49E-10	3.48E-09
487363.09, 3851377.25	0.00125	4.558E-06	1.58E-09	4.76E-09	3.76E-09	3.26E-09	1.46E-09	5.27E-11	1.27E-09	8.94E-10	7.74E-10	2.31E-10	3.22E-09
487863.09, 3851377.25	0.00118	4.303E-06	1.49E-09	4.50E-09	3.55E-09	3.07E-09	1.38E-09	4.97E-11	1.20E-09	8.44E-10	7.30E-10	2.18E-10	3.04E-09
488363.09, 3851377.25	0.00109	3.975E-06	1.38E-09	4.15E-09	3.28E-09	2.84E-09	1.28E-09	4.59E-11	1.11E-09	7.80E-10	6.75E-10	2.01E-10	2.81E-09
488863.09, 3851377.25	0.00109	3.975E-06	1.38E-09	4.15E-09	3.28E-09	2.84E-09	1.28E-09	4.59E-11	1.11E-09	7.80E-10	6.75E-10	2.01E-10	2.81E-09
489363.09, 3851377.25	0.00108	3.938E-06	1.36E-09	4.12E-09	3.25E-09	2.81E-09	1.27E-09	4.55E-11	1.10E-09	7.73E-10	6.68E-10	2.00E-10	2.79E-09
489863.09, 3851377.25	0.00105	3.829E-06	1.33E-09	4.00E-09	3.16E-09	2.74E-09	1.23E-09	4.43E-11	1.07E-09	7.51E-10	6.50E-10	1.94E-10	2.71E-09
490363.09, 3851377.25	0.00099	3.61E-06	1.25E-09	3.77E-09	2.98E-09	2.58E-09	1.16E-09	4.17E-11	1.01E-09	7.08E-10	6.13E-10	1.83E-10	2.55E-09
490863.09, 3851377.25	0.00097	3.537E-06	1.22E-09	3.70E-09	2.92E-09	2.53E-09	1.14E-09	4.09E-11	9.88E-10	6.94E-10	6.00E-10	1.79E-10	2.50E-09
491363.09, 3851377.25	0.00099	3.61E-06	1.25E-09	3.77E-09	2.98E-09	2.58E-09	1.16E-09	4.17E-11	1.01E-09	7.08E-10	6.13E-10	1.83E-10	2.55E-09
491863.09, 3851377.25	0.00096	3.501E-06	1.21E-09	3.66E-09	2.89E-09	2.50E-09	1.12E-09	4.05E-11	9.77E-10	6.87E-10	5.94E-10	1.77E-10	2.48E-09
492363.09, 3851377.25	0.00089	3.246E-06	1.12E-09	3.39E-09	2.68E-09	2.32E-09	1.04E-09	3.75E-11	9.06E-10	6.37E-10	5.51E-10	1.64E-10	2.30E-09
492863.09, 3851377.25	0.00081	2.954E-06	1.02E-09	3.09E-09	2.44E-09	2.11E-09	9.49E-10	3.41E-11	8.25E-10	5.79E-10	5.01E-10	1.50E-10	2.09E-09
493363.09, 3851377.25	0.00074	2.699E-06	9.34E-10	2.82E-09	2.23E-09	1.93E-09	8.67E-10	3.12E-11	7.53E-10	5.29E-10	4.58E-10	1.37E-10	1.91E-09
493863.09, 3851377.25	0.00076	2.771E-06	9.59E-10	2.90E-09	2.29E-09	1.98E-09	8.90E-10	3.20E-11	7.74E-10	5.44E-10	4.70E-10	1.40E-10	1.96E-09
494363.09, 3851377.25	0.0008	2.917E-06	1.01E-09	3.05E-09	2.41E-09	2.08E-09	9.37E-10	3.37E-11	8.15E-10	5.72E-10	4.95E-10	1.48E-10	2.06E-09
494863.09, 3851377.25	0.00075	2.735E-06	9.47E-10	2.86E-09	2.26E-09	1.95E-09	8.79E-10	3.16E-11	7.64E-10	5.37E-10	4.64E-10	1.39E-10	1.93E-09
495363.09, 3851377.25	0.00075	2.735E-06	9.47E-10	2.86E-09	2.26E-09	1.95E-09	8.79E-10	3.16E-11	7.64E-10	5.37E-10	4.64E-10	1.39E-10	1.93E-09
495863.09, 3851377.25	0.00074	2.699E-06	9.34E-10	2.82E-09	2.23E-09	1.93E-09	8.67E-10	3.12E-11	7.53E-10	5.29E-10	4.58E-10	1.37E-10	1.91E-09
496363.09, 3851377.25	0.00072	2.626E-06	9.09E-10	2.74E-09	2.17E-09	1.88E-09	8.43E-10	3.04E-11	7.33E-10	5.15E-10	4.46E-10	1.33E-10	1.86E-09
496863.09, 3851377.25	0.00069	2.516E-06	8.71E-10	2.63E-09	2.08E-09	1.80E-09	8.08E-10	2.91E-11	7.03E-10	4.94E-10	4.27E-10	1.27E-10	1.78E-09
497363.09, 3851377.25	0.00069	2.516E-06	8.71E-10	2.63E-09	2.08E-09	1.80E-09	8.08E-10	2.91E-11	7.03E-10	4.94E-10	4.27E-10	1.27E-10	1.78E-09
497863.09, 3851377.25	0.00068	2.48E-06	8.58E-10	2.59E-09	2.05E-09	1.77E-09	7.97E-10	2.87E-11	6.92E-10	4.86E-10	4.21E-10	1.26E-10	1.75E-09
498363.09, 3851377.25	0.00064	2.334E-06	8.08E-10	2.44E-09	1.93E-09	1.67E-09	7.50E-10	2.70E-11	6.52E-10	4.58E-10	3.96E-10	1.18E-10	1.65E-09
471363.09, 3851877.25	0.00137	4.996E-06	1.73E-09	5.22E-09	4.12E-09	3.57E-09	1.60E-09	5.78E-11	1.39E-09	9.80E-10	8.48E-10	2.53E-10	3.53E-09
471863.09, 3851877.25	0.00127	4.631E-06	1.60E-09	4.84E-09	3.82E-09	3.31E-09	1.49E-09	5.35E-11	1.29E-09	9.08E-10	7.86E-10	2.35E-10	3.28E-09
472363.09, 3851877.25	0.00131	4.777E-06	1.65E-09	4.99E-09	3.94E-09	3.41E-09	1.53E-09	5.52E-11	1.33E-09	9.37E-10	8.11E-10	2.42E-10	3.38E-09
472863.09, 3851877.25	0.00133	4.85E-06	1.68E-09	5.07E-09	4.00E-09	3.46E-09	1.56E-09	5.61E-11	1.35E-09	9.51E-10	8.23E-10	2.46E-10	3.43E-09
473363.09, 3851877.25	0.00122	4.449E-06	1.54E-09	4.65E-09	3.67E-09	3.18E-09	1.43E-09	5.14E-11	1.24E-09	8.73E-10	7.55E-10	2.25E-10	3.15E-09
473863.09, 3851877.25	0.0012	4.376E-06	1.51E-09	4.57E-09	3.61E-09	3.13E-09	1.41E-09	5.06E-11	1.22E-09	8.58E-10	7.43E-10	2.22E-10	3.10E-09
474363.09, 3851877.25	0.00132	4.814E-06	1.67E-09	5.03E-09	3.97E-09	3.44E-09	1.55E-09	5.56E-11	1.34E-09	9.44E-10	8.17E-10	2.44E-10	3.40E-09
474863.09, 3851877.25	0.00151	5.506E-06	1.91E-09	5.76E-09	4.55E-09	3.93E-09	1.77E-09	6.37E-11	1.54E-09	1.08E-09	9.35E-10	2.79E-10	3.90E-09
475363.09, 3851877.25	0.00169	6.163E-06	2.13E-09	6.44E-09	5.09E-09	4.40E-09	1.98E-09	7.12E-11	1.72E-09	1.21E-09	1.05E-09	3.12E-10	4.36E-09
475863.09, 3851877.25	0.00182	6.637E-06	2.30E-09	6.94E-09	5.48E-09	4.74E-09	2.13E-09	7.67E-11	1.85E-09	1.30E-09	1.13E-09	3.36E-10	4.69E-09
476363.09, 3851877.25	0.0018	6.564E-06	2.27E-09	6.86E-09	5.42E-09	4.69E-09	2.11E-09	7.59E-11	1.83E-09	1.29E-09	1.11E-09	3.33E-10	4.64E-09
476863.09, 3851877.25	0.00207	7.549E-06	2.61E-09	7.89E-09	6.23E-09	5.39E-09	2.42E-09	8.73E-11	2.11E-09	1.48E-09	1.28E-09	3.82E-10	5.34E-09
477363.09, 3851877.25	0.00232	8.46E-06	2.93E-09	8.84E-09	6.98E-09	6.04E-09	2.72E-09	9.78E-11	2.36E-09	1.66E-09	1.44E-09	4.29E-10	5.98E-09
477863.09, 3851877.25	0.00236	8.606E-06	2.98E-09	9.00E-09	7.11E-09	6.15E-09	2.76E-09	9.95E-11	2.40E-09	1.69E-09	1.46E-09	4.36E-10	6.09E-09
478363.09, 3851877.25	0.00231	8.424E-06	2.92E-09	8.80E-09	6.95E-09	6.02E-09	2.71E-09	9.74E-11	2.35E-09	1.65E-09	1.43E-09	4.27E-10	5.96E-09
478863.09, 3851877.25	0.00237	8.643E-06	2.99E-09	9.03E-09	7.14E-09	6.17E-09	2.78E-09	9.99E-11	2.41E-09	1.70E-09	1.47E-09	4.38E-10	6.11E-09
479363.09, 3851877.25	0.00282	1.028E-05	3.56E-09	1.07E-08	8.49E-09	7.35E-09	3.30E-09	1.19E-10	2.87E-09	2.02E-09	1.75E-09	5.21E-10	7.27E-09
479863.09, 3851877.25	0.00333	1.214E-05	4.20E-09	1.27E-08	1.00E-08	8.68E-09	3.90E-09	1.40E-10	3.39E-09	2.38E-09	2.06E-09	6.15E-10	8.59E-09
480363.09, 3851877.25	0.00373	1.36E-05	4.71E-09	1.42E-08	1.12E-08	9.72E-09	4.37E-09	1.57E-10	3.80E-09	2.67E-09	2.31E-09	6.89E-10	9.62E-09
480863.09, 3851877.25	0.00425	1.55E-05	5.36E-09	1.62E-08	1.28E-08	1.11E-08	4.98E-09	1.79E-10	4.33E-09	3.04E-09	2.63E-09	7.85E-10	1.10E-08
481363.09, 3851877.25	0.00448	1.634E-05	5.66E-09	1.71E-08	1.35E-08	1.17E-08	5.25E-09	1.89E-10	4.56E-09	3.20E-09	2.77E-09	8.28E-10	1.16E-08
481863.09, 3851877.25	0.00345	1.258E-05	4.36E-09	1.31E-08	1.04E-08	8.99E-09	4.04E-09	1.45E-10	3.51E-09	2.47E-09	2.14E-09	6.37E-10	8.90E-09
482363.09, 3851877.25	0.00233	8.497E-06	2.94E-09	8.88E-09	7.02E-09	6.07E-09	2.73E-09	9.82E-11	2.37E-09	1.67E-09	1.44E-09	4.31E-10	6.01E-09
482863.09, 3851877.25	0.00191	6.965E-06	2.41E-09	7.28E-09	5.75E-09	4.98E-09	2.24E-09	8.05E-11	1.94E-09	1.37E-09	1.18E-09	3.53E-10	4.93E-09
483363.09, 3851877.25	0.00195	7.111E-06	2.46E-09	7.43E-09	5.87E-09	5.08E-09	2.28E-09	8.22E-11	1.99E-09	1.39E-09	1.21E-09	3.60E-10	5.03E-09
483863.09, 3851877.25	0.00192	7.002E-06	2.42E-09	7.32E-09	5.78E-09	5.00E-09	2.25E-09	8.09E-11	1.95E-09	1.37E-09	1.19E-09	3.55E-10	4.95E-09
484363.09, 3851877.25	0.00221	8.059E-06	2.79E-09	8.42E-09	6.65E-09	5.76E-09	2.59E-09	9.32E-11	2.25E-09	1.58E-09	1.37E-09	4.08E-10	5.70E-09
484863.09, 3851877.25	0.00207	7.549E-06	2.61E-09	7.89E-09	6.23E-09	5.39E-09	2.42E-09	8.73E-11	2.11E-09	1.48E-09	1.28E-09	3.82E-10	5.34E-09
485363.09, 3851877.25	0.002	7.293E-06	2.52E-09	7.62E-09	6.02E-09	5.21E-09	2.34E-09	8.43E-11	2.04E-09	1.43E-09	1.24E-09	3.70E-10	5.16E-09
485863.09, 3851877.25	0.00186	6.783E-06	2.35E-09	7.09E-09	5.60E-09	4.85E-09	2.18E-09	7.84E-11	1.89E-09	1.33E-09	1.15E-09	3.44E-10	4.80E-09
486363.09, 3851877.25	0.00161	5.871E-06	2.03E-09	6.14E-09	4.85E-09	4.19E-09	1.89E-09	6.79E-11	1.64E-09	1.15E-09	9.97E-10	2.97E-10	4.15E-09
486863.09, 3851877.25	0.0015	5.47E-06	1.89E-09	5.72E-09	4.52E-09	3.91E-09	1.76E-09	6.32E-11	1.53E-09	1.07E-09	9.28E-10	2.77E-10	3.87E-09
487363.09, 3851877.25	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
487863.09, 3851877.25	0.00131	4.777E-06	1.65E-09	4.99E-09	3.94E-09	3.41E-09	1.53E-09	5.52E-11	1.33E-09	9.37E-10	8.11E-10	2.42E-10	3.38E-09
488363.09, 3851877.25	0.0012	4.376E-06	1.51E-09	4.57E-09	3.61E-09	3.13E-09	1.41E-09	5.06E-11	1.22E-09	8.58E-10	7.43E-10	2.22E-10	3.10E-09
488863.09, 3851877.25	0.00112	4.084E-06	1.41E-09	4.27E-09	3.37E-09	2.92E-09	1.31E-09	4.72E-11	1.14E-09	8.01E-10	6.93E-10	2.07E-10	2.89E-09
489363.09, 3851877.25	0.00111	4.048E-06	1.40E-09	4.23E-09	3.34E-09	2.89E-09	1.30E-09	4.68E-11	1.13E-09	7.94E-10	6.87E-10	2.05E-10	2.86E-09

489863.09, 3851877.25	0.00108	3.938E-06	1.36E-09	4.12E-09	3.25E-09	2.81E-09	1.27E-09	4.55E-11	1.10E-09	7.73E-10	6.68E-10	2.00E-10	2.79E-09
490363.09, 3851877.25	0.00104	3.793E-06	1.31E-09	3.96E-09	3.13E-09	2.71E-09	1.22E-09	4.38E-11	1.06E-09	7.44E-10	6.44E-10	1.92E-10	2.68E-09
490863.09, 3851877.25	0.00102	3.72E-06	1.29E-09	3.89E-09	3.07E-09	2.66E-09	1.19E-09	4.30E-11	1.04E-09	7.30E-10	6.31E-10	1.88E-10	2.63E-09
491363.09, 3851877.25	0.00104	3.793E-06	1.31E-09	3.96E-09	3.13E-09	2.71E-09	1.22E-09	4.38E-11	1.06E-09	7.44E-10	6.44E-10	1.92E-10	2.68E-09
491863.09, 3851877.25	0.00106	3.865E-06	1.34E-09	4.04E-09	3.19E-09	2.76E-09	1.24E-09	4.47E-11	1.08E-09	7.58E-10	6.56E-10	1.96E-10	2.73E-09
492363.09, 3851877.25	0.00099	3.61E-06	1.25E-09	3.77E-09	2.98E-09	2.58E-09	1.16E-09	4.17E-11	1.01E-09	7.08E-10	6.13E-10	1.83E-10	2.55E-09
492863.09, 3851877.25	0.00086	3.136E-06	1.09E-09	3.28E-09	2.59E-09	2.24E-09	1.01E-09	3.63E-11	8.76E-10	6.15E-10	5.32E-10	1.59E-10	2.22E-09
493363.09, 3851877.25	0.00086	3.136E-06	1.09E-09	3.28E-09	2.59E-09	2.24E-09	1.01E-09	3.63E-11	8.76E-10	6.15E-10	5.32E-10	1.59E-10	2.22E-09
493863.09, 3851877.25	0.00091	3.318E-06	1.15E-09	3.47E-09	2.74E-09	2.37E-09	1.07E-09	3.84E-11	9.27E-10	6.51E-10	5.63E-10	1.68E-10	2.35E-09
494363.09, 3851877.25	0.0009	3.282E-06	1.14E-09	3.43E-09	2.71E-09	2.34E-09	1.05E-09	3.79E-11	9.16E-10	6.44E-10	5.57E-10	1.66E-10	2.32E-09
494863.09, 3851877.25	0.00087	3.173E-06	1.10E-09	3.32E-09	2.62E-09	2.27E-09	1.02E-09	3.67E-11	8.86E-10	6.22E-10	5.39E-10	1.61E-10	2.24E-09
495363.09, 3851877.25	0.00084	3.063E-06	1.06E-09	3.20E-09	2.53E-09	2.19E-09	9.84E-10	3.54E-11	8.55E-10	6.01E-10	5.20E-10	1.55E-10	2.17E-09
495863.09, 3851877.25	0.00082	2.99E-06	1.04E-09	3.13E-09	2.47E-09	2.14E-09	9.61E-10	3.46E-11	8.35E-10	5.87E-10	5.08E-10	1.52E-10	2.12E-09
496363.09, 3851877.25	0.00079	2.881E-06	9.97E-10	3.01E-09	2.38E-09	2.06E-09	9.25E-10	3.33E-11	8.04E-10	5.65E-10	4.89E-10	1.46E-10	2.04E-09
496863.09, 3851877.25	0.00075	2.735E-06	9.47E-10	2.86E-09	2.26E-09	1.95E-09	8.79E-10	3.16E-11	7.64E-10	5.37E-10	4.64E-10	1.39E-10	1.93E-09
497363.09, 3851877.25	0.00074	2.699E-06	9.34E-10	2.82E-09	2.23E-09	1.93E-09	8.67E-10	3.12E-11	7.53E-10	5.29E-10	4.58E-10	1.37E-10	1.91E-09
497863.09, 3851877.25	0.00071	2.589E-06	8.96E-10	2.71E-09	2.14E-09	1.85E-09	8.32E-10	2.99E-11	7.23E-10	5.08E-10	4.39E-10	1.31E-10	1.83E-09
498363.09, 3851877.25	0.00067	2.443E-06	8.46E-10	2.55E-09	2.02E-09	1.75E-09	7.85E-10	2.82E-11	6.82E-10	4.79E-10	4.15E-10	1.24E-10	1.73E-09
471363.09, 3852377.25	0.00125	4.558E-06	1.58E-09	4.76E-09	3.76E-09	3.26E-09	1.46E-09	5.27E-11	1.27E-09	8.94E-10	7.74E-10	2.31E-10	3.22E-09
471863.09, 3852377.25	0.0014	5.105E-06	1.77E-09	5.34E-09	4.22E-09	3.65E-09	1.64E-09	5.90E-11	1.43E-09	1.00E-09	8.67E-10	2.59E-10	3.61E-09
472363.09, 3852377.25	0.00148	5.397E-06	1.87E-09	5.64E-09	4.46E-09	3.86E-09	1.73E-09	6.24E-11	1.51E-09	1.06E-09	9.16E-10	2.73E-10	3.82E-09
472863.09, 3852377.25	0.00148	5.397E-06	1.87E-09	5.64E-09	4.46E-09	3.86E-09	1.73E-09	6.24E-11	1.51E-09	1.06E-09	9.16E-10	2.73E-10	3.82E-09
473363.09, 3852377.25	0.00142	5.178E-06	1.79E-09	5.41E-09	4.28E-09	3.70E-09	1.66E-09	5.99E-11	1.45E-09	1.02E-09	8.79E-10	2.62E-10	3.66E-09
473863.09, 3852377.25	0.00136	4.959E-06	1.72E-09	5.18E-09	4.09E-09	3.54E-09	1.59E-09	5.73E-11	1.38E-09	9.73E-10	8.42E-10	2.51E-10	3.51E-09
474363.09, 3852377.25	0.00132	4.814E-06	1.67E-09	5.03E-09	3.97E-09	3.44E-09	1.55E-09	5.56E-11	1.34E-09	9.44E-10	8.17E-10	2.44E-10	3.40E-09
474863.09, 3852377.25	0.00151	5.506E-06	1.91E-09	5.76E-09	4.55E-09	3.93E-09	1.77E-09	6.37E-11	1.54E-09	1.08E-09	9.35E-10	2.79E-10	3.90E-09
475363.09, 3852377.25	0.00152	5.543E-06	1.92E-09	5.79E-09	4.58E-09	3.96E-09	1.78E-09	6.41E-11	1.55E-09	1.09E-09	9.41E-10	2.81E-10	3.92E-09
475863.09, 3852377.25	0.00154	5.616E-06	1.94E-09	5.87E-09	4.64E-09	4.01E-09	1.80E-09	6.49E-11	1.57E-09	1.10E-09	9.53E-10	2.85E-10	3.97E-09
476363.09, 3852377.25	0.00152	5.543E-06	1.92E-09	5.79E-09	4.58E-09	3.96E-09	1.78E-09	6.41E-11	1.55E-09	1.09E-09	9.41E-10	2.81E-10	3.92E-09
476863.09, 3852377.25	0.00162	5.908E-06	2.05E-09	6.17E-09	4.88E-09	4.22E-09	1.90E-09	6.83E-11	1.65E-09	1.16E-09	1.00E-09	2.99E-10	4.18E-09
477363.09, 3852377.25	0.00168	6.126E-06	2.12E-09	6.40E-09	5.06E-09	4.38E-09	1.97E-09	7.08E-11	1.71E-09	1.20E-09	1.04E-09	3.10E-10	4.33E-09
477863.09, 3852377.25	0.00162	5.908E-06	2.05E-09	6.17E-09	4.88E-09	4.22E-09	1.90E-09	6.83E-11	1.65E-09	1.16E-09	1.00E-09	2.99E-10	4.18E-09
478363.09, 3852377.25	0.00155	5.652E-06	1.96E-09	5.91E-09	4.67E-09	4.04E-09	1.82E-09	6.53E-11	1.58E-09	1.11E-09	9.59E-10	2.86E-10	4.00E-09
478863.09, 3852377.25	0.00172	6.272E-06	2.17E-09	6.56E-09	5.18E-09	4.48E-09	2.01E-09	7.25E-11	1.75E-09	1.23E-09	1.06E-09	3.18E-10	4.44E-09
479363.09, 3852377.25	0.00183	6.673E-06	2.31E-09	6.98E-09	5.51E-09	4.77E-09	2.14E-09	7.71E-11	1.86E-09	1.31E-09	1.13E-09	3.38E-10	4.72E-09
479863.09, 3852377.25	0.00236	8.606E-06	2.98E-09	9.00E-09	7.11E-09	6.15E-09	2.76E-09	9.95E-11	2.40E-09	1.69E-09	1.46E-09	4.36E-10	6.09E-09
480363.09, 3852377.25	0.00353	1.287E-05	4.46E-09	1.35E-08	1.06E-08	9.20E-09	4.14E-09	1.49E-10	3.59E-09	2.53E-09	2.18E-09	6.52E-10	9.11E-09
480863.09, 3852377.25	0.0039	1.422E-05	4.92E-09	1.49E-08	1.17E-08	1.02E-08	4.57E-09	1.64E-10	3.97E-09	2.79E-09	2.41E-09	7.21E-10	1.01E-08
481363.09, 3852377.25	0.00444	1.619E-05	5.60E-09	1.69E-08	1.34E-08	1.16E-08	5.20E-09	1.87E-10	4.52E-09	3.18E-09	2.75E-09	8.20E-10	1.15E-08
481863.09, 3852377.25	0.00492	1.794E-05	6.21E-09	1.88E-08	1.48E-08	1.28E-08	5.76E-09	2.07E-10	5.01E-09	3.52E-09	3.05E-09	9.09E-10	1.27E-08
482363.09, 3852377.25	0.00383	1.397E-05	4.83E-09	1.46E-08	1.15E-08	9.98E-09	4.49E-09	1.61E-10	3.90E-09	2.74E-09	2.37E-09	7.08E-10	9.88E-09
482863.09, 3852377.25	0.0029	1.058E-05	3.66E-09	1.11E-08	8.73E-09	7.55E-09	3.40E-09	1.22E-10	2.95E-09	2.07E-09	1.80E-09	5.36E-10	7.48E-09
483363.09, 3852377.25	0.00225	8.205E-06	2.84E-09	8.58E-09	6.77E-09	5.86E-09	2.64E-09	9.48E-11	2.29E-09	1.61E-09	1.39E-09	4.16E-10	5.80E-09
483863.09, 3852377.25	0.00211	7.694E-06	2.66E-09	8.04E-09	6.35E-09	5.50E-09	2.47E-09	8.89E-11	2.15E-09	1.51E-09	1.31E-09	3.90E-10	5.44E-09
484363.09, 3852377.25	0.00239	8.716E-06	3.02E-09	9.11E-09	7.20E-09	6.23E-09	2.80E-09	1.01E-10	2.43E-09	1.71E-09	1.48E-09	4.42E-10	6.16E-09
484863.09, 3852377.25	0.00256	9.335E-06	3.23E-09	9.76E-09	7.71E-09	6.67E-09	3.00E-09	1.08E-10	2.61E-09	1.83E-09	1.58E-09	4.73E-10	6.60E-09
485363.09, 3852377.25	0.00262	9.554E-06	3.31E-09	9.99E-09	7.89E-09	6.83E-09	3.07E-09	1.10E-10	2.67E-09	1.87E-09	1.62E-09	4.84E-10	6.76E-09
485863.09, 3852377.25	0.00225	8.205E-06	2.84E-09	8.58E-09	6.77E-09	5.86E-09	2.64E-09	9.48E-11	2.29E-09	1.61E-09	1.39E-09	4.16E-10	5.80E-09
486363.09, 3852377.25	0.00187	6.819E-06	2.36E-09	7.13E-09	5.63E-09	4.87E-09	2.19E-09	7.88E-11	1.90E-09	1.34E-09	1.16E-09	3.46E-10	4.82E-09
486863.09, 3852377.25	0.00166	6.053E-06	2.10E-09	6.33E-09	5.00E-09	4.32E-09	1.94E-09	7.00E-11	1.69E-09	1.19E-09	1.03E-09	3.07E-10	4.28E-09
487363.09, 3852377.25	0.00149	5.434E-06	1.88E-09	5.68E-09	4.49E-09	3.88E-09	1.75E-09	6.28E-11	1.52E-09	1.07E-09	9.22E-10	2.75E-10	3.84E-09
487863.09, 3852377.25	0.0014	5.105E-06	1.77E-09	5.34E-09	4.22E-09	3.65E-09	1.64E-09	5.90E-11	1.43E-09	1.00E-09	8.67E-10	2.59E-10	3.61E-09
488363.09, 3852377.25	0.00132	4.814E-06	1.67E-09	5.03E-09	3.97E-09	3.44E-09	1.55E-09	5.56E-11	1.34E-09	9.44E-10	8.17E-10	2.44E-10	3.40E-09
488863.09, 3852377.25	0.00118	4.303E-06	1.49E-09	4.50E-09	3.55E-09	3.07E-09	1.38E-09	4.97E-11	1.20E-09	8.44E-10	7.30E-10	2.18E-10	3.04E-09
489363.09, 3852377.25	0.00113	4.121E-06	1.43E-09	4.31E-09	3.40E-09	2.94E-09	1.32E-09	4.76E-11	1.15E-09	8.08E-10	6.99E-10	2.09E-10	2.91E-09
489863.09, 3852377.25	0.0011	4.011E-06	1.39E-09	4.19E-09	3.31E-09	2.87E-09	1.29E-09	4.64E-11	1.12E-09	7.87E-10	6.81E-10	2.03E-10	2.84E-09
490363.09, 3852377.25	0.00109	3.975E-06	1.38E-09	4.15E-09	3.28E-09	2.84E-09	1.28E-09	4.59E-11	1.11E-09	7.80E-10	6.75E-10	2.01E-10	2.81E-09
490863.09, 3852377.25	0.00108	3.938E-06	1.36E-09	4.12E-09	3.25E-09	2.81E-09	1.27E-09	4.55E-11	1.10E-09	7.73E-10	6.68E-10	2.00E-10	2.79E-09
491363.09, 3852377.25	0.00112	4.084E-06	1.41E-09	4.27E-09	3.37E-09	2.92E-09	1.31E-09	4.72E-11	1.14E-09	8.01E-10	6.93E-10	2.07E-10	2.89E-09
491863.09, 3852377.25	0.00116	4.23E-06	1.46E-09	4.42E-09	3.49E-09	3.02E-09	1.36E-09	4.89E-11	1.18E-09	8.30E-10	7.18E-10	2.14E-10	2.99E-09
492363.09, 3852377.25	0.00114	4.157E-06	1.44E-09	4.35E-09	3.43E-09	2.97E-09	1.34E-09	4.81E-11	1.16E-09	8.16E-10	7.06E-10	2.11E-10	2.94E-09
492863.09, 3852377.25	0.00109	3.975E-06	1.38E-09	4.15E-09	3.28E-09	2.84E-09	1.28E-09	4.59E-11	1.11E-09	7.80E-10	6.75E-10	2.01E-10	2.81E-09
493363.09, 3852377.25	0.00104	3.793E-06	1.31E-09	3.96E-09	3.13E-09	2.71E-09	1.22E-09	4.38E-11	1.06E-09	7.44E-10	6.44E-10	1.92E-10	2.68E-09
493863.09, 3852377.25	0.00101	3.683E-06	1.27E-09	3.85E-09	3.04E-09	2.63E-09	1.18E-09	4.26E-11	1.03E-09	7.23E-10	6.25E-10	1.87E-10	2.61E-09
494363.09, 3852377.25	0.00103	3.756E-06	1.30E-09	3.93E-09	3.10E-09	2.68E-09	1.21E-09	4.34E-11	1.05E-09	7.37E-10	6.38E-10	1.90E-10	2.66E-09
494863.09, 3852377.25	0.00099	3.61E-06	1.25E-09	3.77E-09	2.98E-09	2.58E-09	1.16E-09	4.17E-11	1.01E-09	7.08E-10	6.13E-10	1.83E-10	2.55E-09
495363.09, 3852377.25	0.00095	3.464E-06	1.20E-09	3.62E-09	2.86E-09	2.47E-09	1.11E-09	4.00E-11	9.67E-10	6.80E-10	5.88E-10	1.76E-10	2.45E-09
495863.09, 3852377.25	0.00089	3.246E-06	1.12E-09	3.39E-09	2.68E-09	2.32E-09	1.04E-09	3.75E-11	9.06E-10	6.37E-10	5.51E-10	1.64E-10	2.30E-09
496363.09, 3852377.25	0.00085	3.1E-06	1.07E-09	3.24E-09	2.56E-09	2.21E-09	9.96E-10	3.58E-11	8.65E-10	6.08E-10	5.26E-10	1.57E-10	2.19E-09
496863.09, 3852377.25	0.00081	2.954E-06	1.02E-09	3.09E-09	2.44E-09	2.11E-09	9.49E-10	3.41E-11	8.25E-10	5.79E-10	5.01E-10	1.50E-10	2.09E-09
497363.09, 3852377.25	0.00078	2.844E-06	9.85E-10	2.97E-09	2.35E-09	2.03E-09	9.14E-10	3.29E-11	7.94E-10	5.58E-10	4.83E-10	1.44E-10	2.01E-09
497863.09, 3852377.25	0.00073	2.662E-06	9.22E-10	2.78E-09	2.20E-09	1.90E-09	8.55E-10	3.08E-11	7.43E-10	5.22E-10	4.52E-10	1.35E-10	1.88E-09
498363.09, 3852377.25	0.00069	2.516E-06	8.71E-10	2.63E-09	2.08E-09	1.80E-09	8.08E-10	2.91E-11	7.03E-10	4.94E-10	4.27E-10	1.27E-10	1.78E-09
471363.09, 3852877.25	0.00121	4.412E-06	1.53E-09	4.61E-09	3.64E-09	3.15E-09	1.42E-09	5.10E-11	1.23E-09	8.66E-10	7.49E-10	2.24E-10	3.12E-09
471863.09, 3852877.25	0.0013	4.741E-06	1.64E-09	4.95E-09	3.91E-09	3.39E-09	1.52E-09	5.48E-11	1.32E-09	9.30E-10	8.05E-10	2.40E-10	3.35E-09
472363.09, 3852877.25	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
472863.09, 3852877.25	0.00156	5.689E-06	1.97E-09	5.95E-09	4.70E-09	4.06E-09	1.83E-09	6.58E-11	1.59E-09	1.12E-09	9.66E-10	2.88E-10	4.02E-09
473363.09, 3852877.25	0.00167	6.09E-06	2.11E-09	6.37E-09	5.03E-09	4.35E-09	1.96E-09	7.04E-11	1.70E-09	1.19E-09	1.03E-09	3.09E-10	4.31E-09
473863.09, 3852877.25	0.00173	6.309E-06	2.18E-09	6.59E-09	5.21E-09	4.51E-09	2.03E-09	7.29E-11	1.76E-09	1.24E-09	1.07E-09	3.20E-10	4.46E-09
474363.09, 3852877.25	0.00172	6.272E-06	2.17E-09	6.56E-09	5.18E-09	4.48E-09	2.01E-09	7.25E-11	1.75E-09	1.23E-09	1.06E-09	3.18E-10	4.44E-09

474863.09, 3852877.25	0.00152	5.543E-06	1.92E-09	5.79E-09	4.58E-09	3.96E-09	1.78E-09	6.41E-11	1.55E-09	1.09E-09	9.41E-10	2.81E-10	3.92E-09
475363.09, 3852877.25	0.00153	5.579E-06	1.93E-09	5.83E-09	4.61E-09	3.99E-09	1.79E-09	6.45E-11	1.56E-09	1.09E-09	9.47E-10	2.83E-10	3.95E-09
475863.09, 3852877.25	0.00149	5.434E-06	1.88E-09	5.68E-09	4.49E-09	3.88E-09	1.75E-09	6.28E-11	1.52E-09	1.07E-09	9.22E-10	2.75E-10	3.84E-09
476363.09, 3852877.25	0.00141	5.142E-06	1.78E-09	5.37E-09	4.25E-09	3.67E-09	1.65E-09	5.94E-11	1.44E-09	1.01E-09	8.73E-10	2.61E-10	3.64E-09
476863.09, 3852877.25	0.00132	4.814E-06	1.67E-09	5.03E-09	3.97E-09	3.44E-09	1.55E-09	5.56E-11	1.34E-09	9.44E-10	8.17E-10	2.44E-10	3.40E-09
477363.09, 3852877.25	0.00128	4.668E-06	1.62E-09	4.88E-09	3.85E-09	3.33E-09	1.50E-09	5.40E-11	1.30E-09	9.16E-10	7.92E-10	2.37E-10	3.30E-09
477863.09, 3852877.25	0.00126	4.595E-06	1.59E-09	4.80E-09	3.79E-09	3.28E-09	1.48E-09	5.31E-11	1.28E-09	9.01E-10	7.80E-10	2.33E-10	3.25E-09
478363.09, 3852877.25	0.00124	4.522E-06	1.57E-09	4.73E-09	3.73E-09	3.23E-09	1.45E-09	5.23E-11	1.26E-09	8.87E-10	7.68E-10	2.29E-10	3.20E-09
478863.09, 3852877.25	0.00136	4.959E-06	1.72E-09	5.18E-09	4.09E-09	3.54E-09	1.59E-09	5.73E-11	1.38E-09	9.73E-10	8.42E-10	2.51E-10	3.51E-09
479363.09, 3852877.25	0.00152	5.543E-06	1.92E-09	5.79E-09	4.58E-09	3.96E-09	1.78E-09	6.41E-11	1.55E-09	1.09E-09	9.41E-10	2.81E-10	3.92E-09
479863.09, 3852877.25	0.00199	7.257E-06	2.51E-09	7.58E-09	5.99E-09	5.18E-09	2.33E-09	8.39E-11	2.03E-09	1.42E-09	1.23E-09	3.68E-10	5.13E-09
480363.09, 3852877.25	0.00306	1.116E-05	3.86E-09	1.17E-08	9.21E-09	7.97E-09	3.58E-09	1.29E-10	3.12E-09	2.19E-09	1.89E-09	5.65E-10	7.89E-09
480863.09, 3852877.25	0.00329	1.2E-05	4.15E-09	1.25E-08	9.91E-09	8.57E-09	3.85E-09	1.39E-10	3.35E-09	2.35E-09	2.04E-09	6.08E-10	8.49E-09
481363.09, 3852877.25	0.00415	1.513E-05	5.24E-09	1.58E-08	1.25E-08	1.08E-08	4.86E-09	1.75E-10	4.23E-09	2.97E-09	2.57E-09	7.67E-10	1.07E-08
481863.09, 3852877.25	0.00466	1.699E-05	5.88E-09	1.78E-08	1.40E-08	1.21E-08	5.46E-09	1.96E-10	4.74E-09	3.33E-09	2.88E-09	8.61E-10	1.20E-08
482363.09, 3852877.25	0.00526	1.918E-05	6.64E-09	2.00E-08	1.58E-08	1.37E-08	6.16E-09	2.22E-10	5.36E-09	3.76E-09	3.26E-09	9.72E-10	1.36E-08
482863.09, 3852877.25	0.00444	1.619E-05	5.60E-09	1.69E-08	1.34E-08	1.16E-08	5.20E-09	1.87E-10	4.52E-09	3.18E-09	2.75E-09	8.20E-10	1.15E-08
483363.09, 3852877.25	0.00325	1.185E-05	4.10E-09	1.24E-08	9.78E-09	8.47E-09	3.81E-09	1.37E-10	3.31E-09	2.32E-09	2.01E-09	6.01E-10	8.38E-09
483863.09, 3852877.25	0.00235	8.57E-06	2.97E-09	8.96E-09	7.08E-09	6.12E-09	2.75E-09	9.91E-11	2.39E-09	1.68E-09	1.45E-09	4.34E-10	6.06E-09
484363.09, 3852877.25	0.00273	9.955E-06	3.45E-09	1.04E-08	8.22E-09	7.11E-09	3.20E-09	1.15E-10	2.78E-09	1.95E-09	1.69E-09	5.04E-10	7.04E-09
484863.09, 3852877.25	0.00294	1.072E-05	3.71E-09	1.12E-08	8.85E-09	7.66E-09	3.44E-09	1.24E-10	2.99E-09	2.10E-09	1.82E-09	5.43E-10	7.58E-09
485363.09, 3852877.25	0.00235	8.57E-06	2.97E-09	8.96E-09	7.08E-09	6.12E-09	2.75E-09	9.91E-11	2.39E-09	1.68E-09	1.45E-09	4.34E-10	6.06E-09
485863.09, 3852877.25	0.00217	7.913E-06	2.74E-09	8.27E-09	6.53E-09	5.65E-09	2.54E-09	9.15E-11	2.21E-09	1.55E-09	1.34E-09	4.01E-10	5.60E-09
486363.09, 3852877.25	0.00195	7.111E-06	2.46E-09	7.43E-09	5.87E-09	5.08E-09	2.28E-09	8.22E-11	1.99E-09	1.39E-09	1.21E-09	3.60E-10	5.03E-09
486863.09, 3852877.25	0.00178	6.491E-06	2.25E-09	6.78E-09	5.36E-09	4.64E-09	2.09E-09	7.50E-11	1.81E-09	1.27E-09	1.10E-09	3.29E-10	4.59E-09
487363.09, 3852877.25	0.00156	5.689E-06	1.97E-09	5.95E-09	4.70E-09	4.06E-09	1.83E-09	6.58E-11	1.59E-09	1.12E-09	9.66E-10	2.88E-10	4.02E-09
487863.09, 3852877.25	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
488363.09, 3852877.25	0.00128	4.668E-06	1.62E-09	4.88E-09	3.85E-09	3.33E-09	1.50E-09	5.40E-11	1.30E-09	9.16E-10	7.92E-10	2.37E-10	3.30E-09
488863.09, 3852877.25	0.00127	4.631E-06	1.60E-09	4.84E-09	3.82E-09	3.31E-09	1.49E-09	5.35E-11	1.29E-09	9.08E-10	7.86E-10	2.35E-10	3.28E-09
489363.09, 3852877.25	0.0012	4.376E-06	1.51E-09	4.57E-09	3.61E-09	3.13E-09	1.41E-09	5.06E-11	1.22E-09	8.58E-10	7.43E-10	2.22E-10	3.10E-09
489863.09, 3852877.25	0.00119	4.34E-06	1.50E-09	4.54E-09	3.58E-09	3.10E-09	1.39E-09	5.02E-11	1.21E-09	8.51E-10	7.37E-10	2.20E-10	3.07E-09
490363.09, 3852877.25	0.00125	4.558E-06	1.58E-09	4.76E-09	3.76E-09	3.26E-09	1.46E-09	5.27E-11	1.27E-09	8.94E-10	7.74E-10	2.31E-10	3.22E-09
490863.09, 3852877.25	0.00126	4.595E-06	1.59E-09	4.80E-09	3.79E-09	3.28E-09	1.48E-09	5.31E-11	1.28E-09	9.01E-10	7.80E-10	2.33E-10	3.25E-09
491363.09, 3852877.25	0.00128	4.668E-06	1.62E-09	4.88E-09	3.85E-09	3.33E-09	1.50E-09	5.40E-11	1.30E-09	9.16E-10	7.92E-10	2.37E-10	3.30E-09
491863.09, 3852877.25	0.00131	4.777E-06	1.65E-09	4.99E-09	3.94E-09	3.41E-09	1.53E-09	5.52E-11	1.33E-09	9.37E-10	8.11E-10	2.42E-10	3.38E-09
492363.09, 3852877.25	0.00132	4.814E-06	1.67E-09	5.03E-09	3.97E-09	3.44E-09	1.55E-09	5.56E-11	1.34E-09	9.44E-10	8.17E-10	2.44E-10	3.40E-09
492863.09, 3852877.25	0.00129	4.704E-06	1.63E-09	4.92E-09	3.88E-09	3.36E-09	1.51E-09	5.44E-11	1.31E-09	9.23E-10	7.98E-10	2.38E-10	3.33E-09
493363.09, 3852877.25	0.00119	4.34E-06	1.50E-09	4.54E-09	3.58E-09	3.10E-09	1.39E-09	5.02E-11	1.21E-09	8.51E-10	7.37E-10	2.20E-10	3.07E-09
493863.09, 3852877.25	0.00114	4.157E-06	1.44E-09	4.35E-09	3.43E-09	2.97E-09	1.34E-09	4.81E-11	1.16E-09	8.16E-10	7.06E-10	2.11E-10	2.94E-09
494363.09, 3852877.25	0.00116	4.23E-06	1.46E-09	4.42E-09	3.49E-09	3.02E-09	1.36E-09	4.89E-11	1.18E-09	8.30E-10	7.18E-10	2.14E-10	2.99E-09
494863.09, 3852877.25	0.00113	4.121E-06	1.43E-09	4.31E-09	3.40E-09	2.94E-09	1.32E-09	4.76E-11	1.15E-09	8.08E-10	6.99E-10	2.09E-10	2.91E-09
495363.09, 3852877.25	0.00103	3.756E-06	1.30E-09	3.93E-09	3.10E-09	2.68E-09	1.21E-09	4.34E-11	1.05E-09	7.37E-10	6.38E-10	1.90E-10	2.66E-09
495863.09, 3852877.25	0.00095	3.464E-06	1.20E-09	3.62E-09	2.86E-09	2.47E-09	1.11E-09	4.00E-11	9.67E-10	6.80E-10	5.88E-10	1.76E-10	2.45E-09
496363.09, 3852877.25	0.00091	3.318E-06	1.15E-09	3.47E-09	2.74E-09	2.37E-09	1.07E-09	3.84E-11	9.27E-10	6.51E-10	5.63E-10	1.68E-10	2.35E-09
496863.09, 3852877.25	0.00087	3.173E-06	1.10E-09	3.32E-09	2.62E-09	2.27E-09	1.02E-09	3.67E-11	8.86E-10	6.22E-10	5.39E-10	1.61E-10	2.24E-09
497363.09, 3852877.25	0.00083	3.027E-06	1.05E-09	3.16E-09	2.50E-09	2.16E-09	9.72E-10	3.50E-11	8.45E-10	5.94E-10	5.14E-10	1.53E-10	2.14E-09
497863.09, 3852877.25	0.00073	2.662E-06	9.22E-10	2.78E-09	2.20E-09	1.90E-09	8.55E-10	3.08E-11	7.43E-10	5.22E-10	4.52E-10	1.35E-10	1.88E-09
498363.09, 3852877.25	0.00071	2.589E-06	8.96E-10	2.71E-09	2.14E-09	1.85E-09	8.32E-10	2.99E-11	7.23E-10	5.08E-10	4.39E-10	1.31E-10	1.83E-09
471363.09, 3853377.25	0.00116	4.23E-06	1.46E-09	4.42E-09	3.49E-09	3.02E-09	1.36E-09	4.89E-11	1.18E-09	8.30E-10	7.18E-10	2.14E-10	2.99E-09
471863.09, 3853377.25	0.00125	4.558E-06	1.58E-09	4.76E-09	3.76E-09	3.26E-09	1.46E-09	5.27E-11	1.27E-09	8.94E-10	7.74E-10	2.31E-10	3.22E-09
472363.09, 3853377.25	0.00134	4.887E-06	1.69E-09	5.11E-09	4.03E-09	3.49E-09	1.57E-09	5.65E-11	1.36E-09	9.59E-10	8.29E-10	2.48E-10	3.46E-09
472863.09, 3853377.25	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
473363.09, 3853377.25	0.00153	5.579E-06	1.93E-09	5.83E-09	4.61E-09	3.99E-09	1.79E-09	6.45E-11	1.56E-09	1.09E-09	9.47E-10	2.83E-10	3.95E-09
473863.09, 3853377.25	0.00166	6.053E-06	2.10E-09	6.33E-09	5.00E-09	4.32E-09	1.94E-09	7.00E-11	1.69E-09	1.19E-09	1.03E-09	3.07E-10	4.28E-09
474363.09, 3853377.25	0.00177	6.455E-06	2.23E-09	6.75E-09	5.33E-09	4.61E-09	2.07E-09	7.46E-11	1.80E-09	1.27E-09	1.10E-09	3.27E-10	4.57E-09
474863.09, 3853377.25	0.00171	6.236E-06	2.16E-09	6.52E-09	5.15E-09	4.45E-09	2.00E-09	7.21E-11	1.74E-09	1.22E-09	1.06E-09	3.16E-10	4.41E-09
475363.09, 3853377.25	0.00162	5.908E-06	2.05E-09	6.17E-09	4.88E-09	4.22E-09	1.90E-09	6.83E-11	1.65E-09	1.16E-09	1.00E-09	2.99E-10	4.18E-09
475863.09, 3853377.25	0.00151	5.506E-06	1.91E-09	5.76E-09	4.55E-09	3.93E-09	1.77E-09	6.37E-11	1.54E-09	1.08E-09	9.35E-10	2.79E-10	3.90E-09
476363.09, 3853377.25	0.00139	5.069E-06	1.75E-09	5.30E-09	4.18E-09	3.62E-09	1.63E-09	5.86E-11	1.42E-09	9.94E-10	8.60E-10	2.57E-10	3.59E-09
476863.09, 3853377.25	0.00125	4.558E-06	1.58E-09	4.76E-09	3.76E-09	3.26E-09	1.46E-09	5.27E-11	1.27E-09	8.94E-10	7.74E-10	2.31E-10	3.22E-09
477363.09, 3853377.25	0.00123	4.485E-06	1.55E-09	4.69E-09	3.70E-09	3.20E-09	1.44E-09	5.18E-11	1.25E-09	8.80E-10	7.61E-10	2.27E-10	3.17E-09
477863.09, 3853377.25	0.00124	4.522E-06	1.57E-09	4.73E-09	3.73E-09	3.23E-09	1.45E-09	5.23E-11	1.26E-09	8.87E-10	7.68E-10	2.29E-10	3.20E-09
478363.09, 3853377.25	0.00119	4.34E-06	1.50E-09	4.54E-09	3.58E-09	3.10E-09	1.39E-09	5.02E-11	1.21E-09	8.51E-10	7.37E-10	2.20E-10	3.07E-09
478863.09, 3853377.25	0.00114	4.157E-06	1.44E-09	4.35E-09	3.43E-09	2.97E-09	1.34E-09	4.81E-11	1.16E-09	8.16E-10	7.06E-10	2.11E-10	2.94E-09
479363.09, 3853377.25	0.0014	5.105E-06	1.77E-09	5.34E-09	4.22E-09	3.65E-09	1.64E-09	5.90E-11	1.43E-09	1.00E-09	8.67E-10	2.59E-10	3.61E-09
479863.09, 3853377.25	0.0017	6.199E-06	2.15E-09	6.48E-09	5.12E-09	4.43E-09	1.99E-09	7.17E-11	1.73E-09	1.22E-09	1.05E-09	3.14E-10	4.39E-09
480363.09, 3853377.25	0.0024	8.752E-06	3.03E-09	9.15E-09	7.23E-09	6.25E-09	2.81E-09	1.01E-10	2.44E-09	1.72E-09	1.49E-09	4.43E-10	6.19E-09
480863.09, 3853377.25	0.00222	8.096E-06	2.80E-09	8.46E-09	6.68E-09	5.78E-09	2.60E-09	9.36E-11	2.26E-09	1.59E-09	1.37E-09	4.10E-10	5.73E-09
481363.09, 3853377.25	0.00287	1.047E-05	3.62E-09	1.09E-08	8.64E-09	7.48E-09	3.36E-09	1.21E-10	2.92E-09	2.05E-09	1.78E-09	5.30E-10	7.40E-09
481863.09, 3853377.25	0.00452	1.648E-05	5.71E-09	1.72E-08	1.36E-08	1.18E-08	5.29E-09	1.91E-10	4.60E-09	3.23E-09	2.80E-09	8.35E-10	1.17E-08
482363.09, 3853377.25	0.00484	1.765E-05	6.11E-09	1.84E-08	1.46E-08	1.26E-08	5.67E-09	2.04E-10	4.93E-09	3.46E-09	3.00E-09	8.94E-10	1.25E-08
482863.09, 3853377.25	0.00532	1.94E-05	6.72E-09	2.03E-08	1.60E-08	1.39E-08	6.23E-09	2.24E-10	5.42E-09	3.81E-09	3.29E-09	9.83E-10	1.37E-08
483363.09, 3853377.25	0.00411	1.499E-05	5.19E-09	1.57E-08	1.24E-08	1.07E-08	4.81E-09	1.73E-10	4.18E-09	2.94E-09	2.54E-09	7.59E-10	1.06E-08
483863.09, 3853377.25	0.00341	1.244E-05	4.30E-09	1.30E-08	1.03E-08	8.88E-09	3.99E-09	1.44E-10	3.47E-09	2.44E-09	2.11E-09	6.30E-10	8.80E-09
484363.09, 3853377.25	0.00326	1.189E-05	4.12E-09	1.24E-08	9.82E-09	8.49E-09	3.82E-09	1.37E-10	3.32E-09	2.33E-09	2.02E-09	6.02E-10	8.41E-09
484863.09, 3853377.25	0.00262	9.554E-06	3.31E-09	9.99E-09	7.89E-09	6.83E-09	3.07E-09	1.10E-10	2.67E-09	1.87E-09	1.62E-09	4.84E-10	6.76E-09
485363.09, 3853377.25	0.0021	7.658E-06	2.65E-09	8.00E-09	6.32E-09	5.47E-09	2.46E-09	8.85E-11	2.14E-09	1.50E-09	1.30E-09	3.88E-10	5.42E-09
485863.09, 3853377.25	0.00184	6.71E-06	2.32E-09	7.01E-09	5.54E-09	4.79E-09	2.16E-09	7.76E-11	1.87E-09	1.32E-09	1.14E-09	3.40E-10	4.75E-09
486363.09, 3853377.25	0.0019	6.929E-06	2.40E-09	7.24E-09	5.72E-09	4.95E-09	2.23E-09	8.01E-11	1.93E-09	1.36E-09	1.18E-09	3.51E-10	4.90E-09
486863.09, 3853377.25	0.0019	6.929E-06	2.40E-09	7.24E-09	5.72E-09	4.95E-09	2.23E-09	8.01E-11	1.93E-09	1.36E-09	1.18E-09	3.51E-10	4.90E-09

487363.09, 3853377.25	0.00182	6.637E-06	2.30E-09	6.94E-09	5.48E-09	4.74E-09	2.13E-09	7.67E-11	1.85E-09	1.30E-09	1.13E-09	3.36E-10	4.69E-09
487863.09, 3853377.25	0.00169	6.163E-06	2.13E-09	6.44E-09	5.09E-09	4.40E-09	1.98E-09	7.12E-11	1.72E-09	1.21E-09	1.05E-09	3.12E-10	4.36E-09
488363.09, 3853377.25	0.00164	5.981E-06	2.07E-09	6.25E-09	4.94E-09	4.27E-09	1.92E-09	6.91E-11	1.67E-09	1.17E-09	1.02E-09	3.03E-10	4.23E-09
488863.09, 3853377.25	0.0016	5.835E-06	2.02E-09	6.10E-09	4.82E-09	4.17E-09	1.87E-09	6.74E-11	1.63E-09	1.14E-09	9.90E-10	2.96E-10	4.13E-09
489363.09, 3853377.25	0.00151	5.506E-06	1.91E-09	5.76E-09	4.55E-09	3.93E-09	1.77E-09	6.37E-11	1.54E-09	1.08E-09	9.35E-10	2.79E-10	3.90E-09
489863.09, 3853377.25	0.00141	5.142E-06	1.78E-09	5.37E-09	4.25E-09	3.67E-09	1.65E-09	5.94E-11	1.44E-09	1.01E-09	8.73E-10	2.61E-10	3.64E-09
490363.09, 3853377.25	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
490863.09, 3853377.25	0.00141	5.142E-06	1.78E-09	5.37E-09	4.25E-09	3.67E-09	1.65E-09	5.94E-11	1.44E-09	1.01E-09	8.73E-10	2.61E-10	3.64E-09
491363.09, 3853377.25	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
491863.09, 3853377.25	0.00145	5.288E-06	1.83E-09	5.53E-09	4.37E-09	3.78E-09	1.70E-09	6.11E-11	1.48E-09	1.04E-09	8.98E-10	2.68E-10	3.74E-09
492363.09, 3853377.25	0.00151	5.506E-06	1.91E-09	5.76E-09	4.55E-09	3.93E-09	1.77E-09	6.37E-11	1.54E-09	1.08E-09	9.35E-10	2.79E-10	3.90E-09
492863.09, 3853377.25	0.0015	5.47E-06	1.89E-09	5.72E-09	4.52E-09	3.91E-09	1.76E-09	6.32E-11	1.53E-09	1.07E-09	9.28E-10	2.77E-10	3.87E-09
493363.09, 3853377.25	0.0014	5.105E-06	1.77E-09	5.34E-09	4.22E-09	3.65E-09	1.64E-09	5.90E-11	1.43E-09	1.00E-09	8.67E-10	2.59E-10	3.61E-09
493863.09, 3853377.25	0.0013	4.741E-06	1.64E-09	4.95E-09	3.91E-09	3.39E-09	1.52E-09	5.48E-11	1.32E-09	9.30E-10	8.05E-10	2.40E-10	3.35E-09
494363.09, 3853377.25	0.00129	4.704E-06	1.63E-09	4.92E-09	3.88E-09	3.36E-09	1.51E-09	5.44E-11	1.31E-09	9.23E-10	7.98E-10	2.38E-10	3.33E-09
494863.09, 3853377.25	0.00122	4.449E-06	1.54E-09	4.65E-09	3.67E-09	3.18E-09	1.43E-09	5.14E-11	1.24E-09	8.73E-10	7.55E-10	2.25E-10	3.15E-09
495363.09, 3853377.25	0.00114	4.157E-06	1.44E-09	4.35E-09	3.43E-09	2.97E-09	1.34E-09	4.81E-11	1.16E-09	8.16E-10	7.06E-10	2.11E-10	2.94E-09
495863.09, 3853377.25	0.00106	3.865E-06	1.34E-09	4.04E-09	3.19E-09	2.76E-09	1.24E-09	4.47E-11	1.08E-09	7.58E-10	6.56E-10	1.96E-10	2.73E-09
496363.09, 3853377.25	0.00098	3.574E-06	1.24E-09	3.74E-09	2.95E-09	2.55E-09	1.15E-09	4.13E-11	9.98E-10	7.01E-10	6.07E-10	1.81E-10	2.53E-09
496863.09, 3853377.25	0.00091	3.318E-06	1.15E-09	3.47E-09	2.74E-09	2.37E-09	1.07E-09	3.84E-11	9.27E-10	6.51E-10	5.63E-10	1.68E-10	2.35E-09
497363.09, 3853377.25	0.00085	3.1E-06	1.07E-09	3.24E-09	2.56E-09	2.21E-09	9.96E-10	3.58E-11	8.65E-10	6.08E-10	5.26E-10	1.57E-10	2.19E-09
497863.09, 3853377.25	0.00073	2.662E-06	9.22E-10	2.78E-09	2.20E-09	1.90E-09	8.55E-10	3.08E-11	7.43E-10	5.22E-10	4.52E-10	1.35E-10	1.88E-09
498363.09, 3853377.25	0.00068	2.48E-06	8.58E-10	2.59E-09	2.05E-09	1.77E-09	7.97E-10	2.87E-11	6.92E-10	4.86E-10	4.21E-10	1.26E-10	1.75E-09
471363.09, 3853877.25	0.00116	4.23E-06	1.46E-09	4.42E-09	3.49E-09	3.02E-09	1.36E-09	4.89E-11	1.18E-09	8.30E-10	7.18E-10	2.14E-10	2.99E-09
471863.09, 3853877.25	0.00119	4.34E-06	1.50E-09	4.54E-09	3.58E-09	3.10E-09	1.39E-09	5.02E-11	1.21E-09	8.51E-10	7.37E-10	2.20E-10	3.07E-09
472363.09, 3853877.25	0.00124	4.522E-06	1.57E-09	4.73E-09	3.73E-09	3.23E-09	1.45E-09	5.23E-11	1.26E-09	8.87E-10	7.68E-10	2.29E-10	3.20E-09
472863.09, 3853877.25	0.00132	4.814E-06	1.67E-09	5.03E-09	3.97E-09	3.44E-09	1.55E-09	5.56E-11	1.34E-09	9.44E-10	8.17E-10	2.44E-10	3.40E-09
473363.09, 3853877.25	0.0014	5.105E-06	1.77E-09	5.34E-09	4.22E-09	3.65E-09	1.64E-09	5.90E-11	1.43E-09	1.00E-09	8.67E-10	2.59E-10	3.61E-09
473863.09, 3853877.25	0.00148	5.397E-06	1.87E-09	5.64E-09	4.46E-09	3.86E-09	1.73E-09	6.24E-11	1.51E-09	1.06E-09	9.16E-10	2.73E-10	3.82E-09
474363.09, 3853877.25	0.00158	5.762E-06	1.99E-09	6.02E-09	4.76E-09	4.12E-09	1.85E-09	6.66E-11	1.61E-09	1.13E-09	9.78E-10	2.92E-10	4.08E-09
474863.09, 3853877.25	0.00168	6.126E-06	2.12E-09	6.40E-09	5.06E-09	4.38E-09	1.97E-09	7.08E-11	1.71E-09	1.20E-09	1.04E-09	3.10E-10	4.33E-09
475363.09, 3853877.25	0.00169	6.163E-06	2.13E-09	6.44E-09	5.09E-09	4.40E-09	1.98E-09	7.12E-11	1.72E-09	1.21E-09	1.05E-09	3.12E-10	4.36E-09
475863.09, 3853877.25	0.00154	5.616E-06	1.94E-09	5.87E-09	4.64E-09	4.01E-09	1.80E-09	6.49E-11	1.57E-09	1.10E-09	9.53E-10	2.85E-10	3.97E-09
476363.09, 3853877.25	0.00136	4.959E-06	1.72E-09	5.18E-09	4.09E-09	3.54E-09	1.59E-09	5.73E-11	1.38E-09	9.73E-10	8.42E-10	2.51E-10	3.51E-09
476863.09, 3853877.25	0.00119	4.34E-06	1.50E-09	4.54E-09	3.58E-09	3.10E-09	1.39E-09	5.02E-11	1.21E-09	8.51E-10	7.37E-10	2.20E-10	3.07E-09
477363.09, 3853877.25	0.00121	4.412E-06	1.53E-09	4.61E-09	3.64E-09	3.15E-09	1.42E-09	5.10E-11	1.23E-09	8.66E-10	7.49E-10	2.24E-10	3.12E-09
477863.09, 3853877.25	0.00125	4.558E-06	1.58E-09	4.76E-09	3.76E-09	3.26E-09	1.46E-09	5.27E-11	1.27E-09	8.94E-10	7.74E-10	2.31E-10	3.22E-09
478363.09, 3853877.25	0.00126	4.595E-06	1.59E-09	4.80E-09	3.79E-09	3.28E-09	1.48E-09	5.31E-11	1.28E-09	9.01E-10	7.80E-10	2.33E-10	3.25E-09
478863.09, 3853877.25	0.00114	4.157E-06	1.44E-09	4.35E-09	3.43E-09	2.97E-09	1.34E-09	4.81E-11	1.16E-09	8.16E-10	7.06E-10	2.11E-10	2.94E-09
479363.09, 3853877.25	0.00125	4.558E-06	1.58E-09	4.76E-09	3.76E-09	3.26E-09	1.46E-09	5.27E-11	1.27E-09	8.94E-10	7.74E-10	2.31E-10	3.22E-09
479863.09, 3853877.25	0.00157	5.725E-06	1.98E-09	5.98E-09	4.73E-09	4.09E-09	1.84E-09	6.62E-11	1.60E-09	1.12E-09	9.72E-10	2.90E-10	4.05E-09
480363.09, 3853877.25	0.00194	7.075E-06	2.45E-09	7.39E-09	5.84E-09	5.05E-09	2.27E-09	8.18E-11	1.98E-09	1.39E-09	1.20E-09	3.58E-10	5.00E-09
480863.09, 3853877.25	0.00273	9.955E-06	3.45E-09	1.04E-08	8.22E-09	7.11E-09	3.20E-09	1.15E-10	2.78E-09	1.95E-09	1.69E-09	5.04E-10	7.04E-09
481363.09, 3853877.25	0.00325	1.185E-05	4.10E-09	1.24E-08	9.78E-09	8.47E-09	3.81E-09	1.37E-10	3.31E-09	2.32E-09	2.01E-09	6.01E-10	8.38E-09
481863.09, 3853877.25	0.00519	1.893E-05	6.55E-09	1.98E-08	1.56E-08	1.35E-08	6.08E-09	2.19E-10	5.28E-09	3.71E-09	3.21E-09	9.59E-10	1.34E-08
482363.09, 3853877.25	0.00517	1.885E-05	6.53E-09	1.97E-08	1.56E-08	1.35E-08	6.06E-09	2.18E-10	5.26E-09	3.70E-09	3.20E-09	9.55E-10	1.33E-08
482863.09, 3853877.25	0.00449	1.637E-05	5.67E-09	1.71E-08	1.35E-08	1.17E-08	5.26E-09	1.89E-10	4.57E-09	3.21E-09	2.78E-09	8.30E-10	1.16E-08
483363.09, 3853877.25	0.00409	1.491E-05	5.16E-09	1.56E-08	1.23E-08	1.07E-08	4.79E-09	1.72E-10	4.16E-09	2.93E-09	2.53E-09	7.56E-10	1.06E-08
483863.09, 3853877.25	0.00416	1.517E-05	5.25E-09	1.59E-08	1.25E-08	1.08E-08	4.87E-09	1.75E-10	4.24E-09	2.98E-09	2.57E-09	7.69E-10	1.07E-08
484363.09, 3853877.25	0.00337	1.229E-05	4.25E-09	1.28E-08	1.01E-08	8.78E-09	3.95E-09	1.42E-10	3.43E-09	2.41E-09	2.09E-09	6.23E-10	8.69E-09
484863.09, 3853877.25	0.00261	9.518E-06	3.29E-09	9.95E-09	7.86E-09	6.80E-09	3.06E-09	1.10E-10	2.66E-09	1.87E-09	1.62E-09	4.82E-10	6.73E-09
485363.09, 3853877.25	0.002	7.293E-06	2.52E-09	7.62E-09	6.02E-09	5.21E-09	2.34E-09	8.43E-11	2.04E-09	1.43E-09	1.24E-09	3.70E-10	5.16E-09
485863.09, 3853877.25	0.0021	7.658E-06	2.65E-09	8.00E-09	6.32E-09	5.47E-09	2.46E-09	8.85E-11	2.14E-09	1.50E-09	1.30E-09	3.88E-10	5.42E-09
486363.09, 3853877.25	0.00213	7.767E-06	2.69E-09	8.12E-09	6.41E-09	5.55E-09	2.50E-09	8.98E-11	2.17E-09	1.52E-09	1.32E-09	3.94E-10	5.49E-09
486863.09, 3853877.25	0.00208	7.585E-06	2.63E-09	7.93E-09	6.26E-09	5.42E-09	2.44E-09	8.77E-11	2.12E-09	1.49E-09	1.29E-09	3.84E-10	5.37E-09
487363.09, 3853877.25	0.00213	7.767E-06	2.69E-09	8.12E-09	6.41E-09	5.55E-09	2.50E-09	8.98E-11	2.17E-09	1.52E-09	1.32E-09	3.94E-10	5.49E-09
487863.09, 3853877.25	0.00211	7.694E-06	2.66E-09	8.04E-09	6.35E-09	5.50E-09	2.47E-09	8.89E-11	2.15E-09	1.51E-09	1.31E-09	3.90E-10	5.44E-09
488363.09, 3853877.25	0.00199	7.257E-06	2.51E-09	7.58E-09	5.99E-09	5.18E-09	2.33E-09	8.39E-11	2.03E-09	1.42E-09	1.23E-09	3.68E-10	5.13E-09
488863.09, 3853877.25	0.00196	7.147E-06	2.47E-09	7.47E-09	5.90E-09	5.11E-09	2.30E-09	8.26E-11	2.00E-09	1.40E-09	1.21E-09	3.62E-10	5.06E-09
489363.09, 3853877.25	0.00186	6.783E-06	2.35E-09	7.09E-09	5.60E-09	4.85E-09	2.18E-09	7.84E-11	1.89E-09	1.33E-09	1.15E-09	3.44E-10	4.80E-09
489863.09, 3853877.25	0.00174	6.345E-06	2.20E-09	6.63E-09	5.24E-09	4.53E-09	2.04E-09	7.33E-11	1.77E-09	1.24E-09	1.08E-09	3.22E-10	4.49E-09
490363.09, 3853877.25	0.00165	6.017E-06	2.08E-09	6.29E-09	4.97E-09	4.30E-09	1.93E-09	6.96E-11	1.68E-09	1.18E-09	1.02E-09	3.05E-10	4.26E-09
490863.09, 3853877.25	0.00164	5.981E-06	2.07E-09	6.25E-09	4.94E-09	4.27E-09	1.92E-09	6.91E-11	1.67E-09	1.17E-09	1.02E-09	3.03E-10	4.23E-09
491363.09, 3853877.25	0.00166	6.053E-06	2.10E-09	6.33E-09	5.00E-09	4.32E-09	1.94E-09	7.00E-11	1.69E-09	1.19E-09	1.03E-09	3.07E-10	4.28E-09
491863.09, 3853877.25	0.00167	6.09E-06	2.11E-09	6.37E-09	5.03E-09	4.35E-09	1.96E-09	7.04E-11	1.70E-09	1.19E-09	1.03E-09	3.09E-10	4.31E-09
492363.09, 3853877.25	0.00172	6.272E-06	2.17E-09	6.56E-09	5.18E-09	4.48E-09	2.01E-09	7.25E-11	1.75E-09	1.23E-09	1.06E-09	3.18E-10	4.44E-09
492863.09, 3853877.25	0.00176	6.418E-06	2.22E-09	6.71E-09	5.30E-09	4.59E-09	2.06E-09	7.42E-11	1.79E-09	1.26E-09	1.09E-09	3.25E-10	4.54E-09
493363.09, 3853877.25	0.00165	6.017E-06	2.08E-09	6.29E-09	4.97E-09	4.30E-09	1.93E-09	6.96E-11	1.68E-09	1.18E-09	1.02E-09	3.05E-10	4.26E-09
493863.09, 3853877.25	0.00147	5.361E-06	1.86E-09	5.60E-09	4.43E-09	3.83E-09	1.72E-09	6.20E-11	1.50E-09	1.05E-09	9.10E-10	2.72E-10	3.79E-09
494363.09, 3853877.25	0.00144	5.251E-06	1.82E-09	5.49E-09	4.34E-09	3.75E-09	1.69E-09	6.07E-11	1.47E-09	1.03E-09	8.91E-10	2.66E-10	3.71E-09
494863.09, 3853877.25	0.00138	5.032E-06	1.74E-09	5.26E-09	4.15E-09	3.60E-09	1.62E-09	5.82E-11	1.41E-09	9.87E-10	8.54E-10	2.55E-10	3.56E-09
495363.09, 3853877.25	0.00123	4.485E-06	1.55E-09	4.69E-09	3.70E-09	3.20E-09	1.44E-09	5.18E-11	1.25E-09	8.80E-10	7.61E-10	2.27E-10	3.17E-09
495863.09, 3853877.25	0.0011	4.011E-06	1.39E-09	4.19E-09	3.31E-09	2.87E-09	1.29E-09	4.64E-11	1.12E-09	7.87E-10	6.81E-10	2.03E-10	2.84E-09
496363.09, 3853877.25	0.00102	3.72E-06	1.29E-09	3.89E-09	3.07E-09	2.66E-09	1.19E-09	4.30E-11	1.04E-09	7.30E-10	6.31E-10	1.88E-10	2.63E-09
496863.09, 3853877.25	0.00096	3.501E-06	1.21E-09	3.66E-09	2.89E-09	2.50E-09	1.12E-09	4.05E-11	9.77E-10	6.87E-10	5.94E-10	1.77E-10	2.48E-09
497363.09, 3853877.25	0.0009	3.282E-06	1.14E-09	3.43E-09	2.71E-09	2.34E-09	1.05E-09	3.79E-11	9.16E-10	6.44E-10	5.57E-10	1.66E-10	2.32E-09
497863.09, 3853877.25	0.00083	3.027E-06	1.05E-09	3.16E-09	2.50E-09	2.16E-09	9.72E-10	3.50E-11	8.45E-10	5.94E-10	5.14E-10	1.53E-10	2.14E-09
498363.09, 3853877.25	0.0008	2.917E-06	1.01E-09	3.05E-09	2.41E-09	2.08E-09	9.37E-10	3.37E-11	8.15E-10	5.72E-10	4.95E-10	1.48E-10	2.06E-09
471363.09, 3854377.25	0.00133	4.85E-06	1.68E-09	5.07E-09	4.00E-09	3.46E-09	1.56E-09	5.61E-11	1.35E-09	9.51E-10	8.23E-10	2.46E-10	3.43E-09
471863.09, 3854377.25	0.00134	4.887E-06	1.69E-09	5.11E-09	4.03E-09	3.49E-09	1.57E-09	5.65E-11	1.36E-09	9.59E-10	8.29E-10	2.48E-10	3.46E-09

472363.09, 3854377.25	0.00132	4.814E-06	1.67E-09	5.03E-09	3.97E-09	3.44E-09	1.55E-09	5.56E-11	1.34E-09	9.44E-10	8.17E-10	2.44E-10	3.40E-09
472863.09, 3854377.25	0.00131	4.777E-06	1.65E-09	4.99E-09	3.94E-09	3.41E-09	1.53E-09	5.52E-11	1.33E-09	9.37E-10	8.11E-10	2.42E-10	3.38E-09
473363.09, 3854377.25	0.00132	4.814E-06	1.67E-09	5.03E-09	3.97E-09	3.44E-09	1.55E-09	5.56E-11	1.34E-09	9.44E-10	8.17E-10	2.44E-10	3.40E-09
473863.09, 3854377.25	0.00138	5.032E-06	1.74E-09	5.26E-09	4.15E-09	3.60E-09	1.62E-09	5.82E-11	1.41E-09	9.87E-10	8.54E-10	2.55E-10	3.56E-09
474363.09, 3854377.25	0.00148	5.397E-06	1.87E-09	5.64E-09	4.46E-09	3.86E-09	1.73E-09	6.24E-11	1.51E-09	1.06E-09	9.16E-10	2.73E-10	3.82E-09
474863.09, 3854377.25	0.00151	5.506E-06	1.91E-09	5.76E-09	4.55E-09	3.93E-09	1.77E-09	6.37E-11	1.54E-09	1.08E-09	9.35E-10	2.79E-10	3.90E-09
475363.09, 3854377.25	0.00144	5.251E-06	1.82E-09	5.49E-09	4.34E-09	3.75E-09	1.69E-09	6.07E-11	1.47E-09	1.03E-09	8.91E-10	2.66E-10	3.71E-09
475863.09, 3854377.25	0.00129	4.704E-06	1.63E-09	4.92E-09	3.88E-09	3.36E-09	1.51E-09	5.44E-11	1.31E-09	9.23E-10	7.98E-10	2.38E-10	3.33E-09
476363.09, 3854377.25	0.00126	4.595E-06	1.59E-09	4.80E-09	3.79E-09	3.28E-09	1.48E-09	5.31E-11	1.28E-09	9.01E-10	7.80E-10	2.33E-10	3.25E-09
476863.09, 3854377.25	0.00125	4.558E-06	1.58E-09	4.76E-09	3.76E-09	3.26E-09	1.46E-09	5.27E-11	1.27E-09	8.94E-10	7.74E-10	2.31E-10	3.22E-09
477363.09, 3854377.25	0.00122	4.449E-06	1.54E-09	4.65E-09	3.67E-09	3.18E-09	1.43E-09	5.14E-11	1.24E-09	8.73E-10	7.55E-10	2.25E-10	3.15E-09
477863.09, 3854377.25	0.0012	4.376E-06	1.51E-09	4.57E-09	3.61E-09	3.13E-09	1.41E-09	5.06E-11	1.22E-09	8.58E-10	7.43E-10	2.22E-10	3.10E-09
478363.09, 3854377.25	0.00125	4.558E-06	1.58E-09	4.76E-09	3.76E-09	3.26E-09	1.46E-09	5.27E-11	1.27E-09	8.94E-10	7.74E-10	2.31E-10	3.22E-09
478863.09, 3854377.25	0.00127	4.631E-06	1.60E-09	4.84E-09	3.82E-09	3.31E-09	1.49E-09	5.35E-11	1.29E-09	9.08E-10	7.86E-10	2.35E-10	3.28E-09
479363.09, 3854377.25	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
479863.09, 3854377.25	0.00154	5.616E-06	1.94E-09	5.87E-09	4.64E-09	4.01E-09	1.80E-09	6.49E-11	1.57E-09	1.10E-09	9.53E-10	2.85E-10	3.97E-09
480363.09, 3854377.25	0.00175	6.382E-06	2.21E-09	6.67E-09	5.27E-09	4.56E-09	2.05E-09	7.38E-11	1.78E-09	1.25E-09	1.08E-09	3.23E-10	4.51E-09
480863.09, 3854377.25	0.00224	8.169E-06	2.83E-09	8.54E-09	6.74E-09	5.84E-09	2.62E-09	9.44E-11	2.28E-09	1.60E-09	1.39E-09	4.14E-10	5.78E-09
481363.09, 3854377.25	0.00286	1.043E-05	3.61E-09	1.09E-08	8.61E-09	7.45E-09	3.35E-09	1.21E-10	2.91E-09	2.05E-09	1.77E-09	5.28E-10	7.38E-09
481863.09, 3854377.25	0.00542	1.976E-05	6.84E-09	2.07E-08	1.63E-08	1.41E-08	6.35E-09	2.28E-10	5.52E-09	3.88E-09	3.35E-09	1.00E-09	1.40E-08
482363.09, 3854377.25	0.00595	2.17E-05	7.51E-09	2.27E-08	1.79E-08	1.55E-08	6.97E-09	2.51E-10	6.06E-09	4.26E-09	3.68E-09	1.10E-09	1.53E-08
482863.09, 3854377.25	0.00504	1.838E-05	6.36E-09	1.92E-08	1.52E-08	1.31E-08	5.90E-09	2.12E-10	5.13E-09	3.61E-09	3.12E-09	9.31E-10	1.30E-08
483363.09, 3854377.25	0.00403	1.47E-05	5.09E-09	1.54E-08	1.21E-08	1.05E-08	4.72E-09	1.70E-10	4.10E-09	2.88E-09	2.49E-09	7.45E-10	1.04E-08
483863.09, 3854377.25	0.00325	1.185E-05	4.10E-09	1.24E-08	9.78E-09	8.47E-09	3.81E-09	1.37E-10	3.31E-09	2.32E-09	2.01E-09	6.01E-10	8.38E-09
484363.09, 3854377.25	0.00287	1.047E-05	3.62E-09	1.09E-08	8.64E-09	7.48E-09	3.36E-09	1.21E-10	2.92E-09	2.05E-09	1.78E-09	5.30E-10	7.40E-09
484863.09, 3854377.25	0.00245	8.934E-06	3.09E-09	9.34E-09	7.38E-09	6.38E-09	2.87E-09	1.03E-10	2.49E-09	1.75E-09	1.52E-09	4.53E-10	6.32E-09
485363.09, 3854377.25	0.00267	9.737E-06	3.37E-09	1.02E-08	8.04E-09	6.96E-09	3.13E-09	1.13E-10	2.72E-09	1.91E-09	1.65E-09	4.93E-10	6.89E-09
485863.09, 3854377.25	0.00227	8.278E-06	2.87E-09	8.65E-09	6.83E-09	5.91E-09	2.66E-09	9.57E-11	2.31E-09	1.62E-09	1.41E-09	4.19E-10	5.86E-09
486363.09, 3854377.25	0.0024	8.752E-06	3.03E-09	9.15E-09	7.23E-09	6.25E-09	2.81E-09	1.01E-10	2.44E-09	1.72E-09	1.49E-09	4.43E-10	6.19E-09
486863.09, 3854377.25	0.00238	8.679E-06	3.00E-09	9.07E-09	7.17E-09	6.20E-09	2.79E-09	1.00E-10	2.42E-09	1.70E-09	1.47E-09	4.40E-10	6.14E-09
487363.09, 3854377.25	0.00252	9.19E-06	3.18E-09	9.61E-09	7.59E-09	6.56E-09	2.95E-09	1.06E-10	2.57E-09	1.80E-09	1.56E-09	4.66E-10	6.50E-09
487863.09, 3854377.25	0.00264	9.627E-06	3.33E-09	1.01E-08	7.95E-09	6.88E-09	3.09E-09	1.11E-10	2.69E-09	1.89E-09	1.63E-09	4.88E-10	6.81E-09
488363.09, 3854377.25	0.00251	9.153E-06	3.17E-09	9.57E-09	7.56E-09	6.54E-09	2.94E-09	1.06E-10	2.56E-09	1.80E-09	1.55E-09	4.64E-10	6.47E-09
488863.09, 3854377.25	0.00238	8.679E-06	3.00E-09	9.07E-09	7.17E-09	6.20E-09	2.79E-09	1.00E-10	2.42E-09	1.70E-09	1.47E-09	4.40E-10	6.14E-09
489363.09, 3854377.25	0.00229	8.351E-06	2.89E-09	8.73E-09	6.89E-09	5.97E-09	2.68E-09	9.65E-11	2.33E-09	1.64E-09	1.42E-09	4.23E-10	5.91E-09
489863.09, 3854377.25	0.0022	8.023E-06	2.78E-09	8.39E-09	6.62E-09	5.73E-09	2.58E-09	9.27E-11	2.24E-09	1.57E-09	1.36E-09	4.06E-10	5.67E-09
490363.09, 3854377.25	0.00201	7.33E-06	2.54E-09	7.66E-09	6.05E-09	5.24E-09	2.35E-09	8.47E-11	2.05E-09	1.44E-09	1.24E-09	3.71E-10	5.18E-09
490863.09, 3854377.25	0.00174	6.345E-06	2.20E-09	6.63E-09	5.24E-09	4.53E-09	2.04E-09	7.33E-11	1.77E-09	1.24E-09	1.08E-09	3.22E-10	4.49E-09
491363.09, 3854377.25	0.00184	6.71E-06	2.32E-09	7.01E-09	5.54E-09	4.79E-09	2.16E-09	7.76E-11	1.87E-09	1.32E-09	1.14E-09	3.40E-10	4.75E-09
491863.09, 3854377.25	0.00196	7.147E-06	2.47E-09	7.47E-09	5.90E-09	5.11E-09	2.30E-09	8.26E-11	2.00E-09	1.40E-09	1.21E-09	3.62E-10	5.06E-09
492363.09, 3854377.25	0.002	7.293E-06	2.52E-09	7.62E-09	6.02E-09	5.21E-09	2.34E-09	8.43E-11	2.04E-09	1.43E-09	1.24E-09	3.70E-10	5.16E-09
492863.09, 3854377.25	0.00201	7.33E-06	2.54E-09	7.66E-09	6.05E-09	5.24E-09	2.35E-09	8.47E-11	2.05E-09	1.44E-09	1.24E-09	3.71E-10	5.18E-09
493363.09, 3854377.25	0.00191	6.965E-06	2.41E-09	7.28E-09	5.75E-09	4.98E-09	2.24E-09	8.05E-11	1.94E-09	1.37E-09	1.18E-09	3.53E-10	4.93E-09
493863.09, 3854377.25	0.00169	6.163E-06	2.13E-09	6.44E-09	5.09E-09	4.40E-09	1.98E-09	7.12E-11	1.72E-09	1.21E-09	1.05E-09	3.12E-10	4.36E-09
494363.09, 3854377.25	0.0016	5.835E-06	2.02E-09	6.10E-09	4.82E-09	4.17E-09	1.87E-09	6.74E-11	1.63E-09	1.14E-09	9.90E-10	2.96E-10	4.13E-09
494863.09, 3854377.25	0.00141	5.142E-06	1.78E-09	5.37E-09	4.25E-09	3.67E-09	1.65E-09	5.94E-11	1.44E-09	1.01E-09	8.73E-10	2.61E-10	3.64E-09
495363.09, 3854377.25	0.00123	4.485E-06	1.55E-09	4.69E-09	3.70E-09	3.20E-09	1.44E-09	5.18E-11	1.25E-09	8.80E-10	7.61E-10	2.27E-10	3.17E-09
495863.09, 3854377.25	0.0011	4.011E-06	1.39E-09	4.19E-09	3.31E-09	2.87E-09	1.29E-09	4.64E-11	1.12E-09	7.87E-10	6.81E-10	2.03E-10	2.84E-09
496363.09, 3854377.25	0.00103	3.756E-06	1.30E-09	3.93E-09	3.10E-09	2.68E-09	1.21E-09	4.34E-11	1.05E-09	7.37E-10	6.38E-10	1.90E-10	2.66E-09
496863.09, 3854377.25	0.00098	3.574E-06	1.24E-09	3.74E-09	2.95E-09	2.55E-09	1.15E-09	4.13E-11	9.98E-10	7.01E-10	6.07E-10	1.81E-10	2.53E-09
497363.09, 3854377.25	0.0009	3.282E-06	1.14E-09	3.43E-09	2.71E-09	2.34E-09	1.05E-09	3.79E-11	9.16E-10	6.44E-10	5.57E-10	1.66E-10	2.32E-09
497863.09, 3854377.25	0.00092	3.355E-06	1.16E-09	3.51E-09	2.77E-09	2.40E-09	1.08E-09	3.88E-11	9.37E-10	6.58E-10	5.69E-10	1.70E-10	2.37E-09
498363.09, 3854377.25	0.00091	3.318E-06	1.15E-09	3.47E-09	2.74E-09	2.37E-09	1.07E-09	3.84E-11	9.27E-10	6.51E-10	5.63E-10	1.68E-10	2.35E-09
471363.09, 3854877.25	0.00153	5.579E-06	1.93E-09	5.83E-09	4.61E-09	3.99E-09	1.79E-09	6.45E-11	1.56E-09	1.09E-09	9.47E-10	2.83E-10	3.95E-09
471863.09, 3854877.25	0.00156	5.689E-06	1.97E-09	5.95E-09	4.70E-09	4.06E-09	1.83E-09	6.58E-11	1.59E-09	1.12E-09	9.66E-10	2.88E-10	4.02E-09
472363.09, 3854877.25	0.00156	5.689E-06	1.97E-09	5.95E-09	4.70E-09	4.06E-09	1.83E-09	6.58E-11	1.59E-09	1.12E-09	9.66E-10	2.88E-10	4.02E-09
472863.09, 3854877.25	0.00151	5.506E-06	1.91E-09	5.76E-09	4.55E-09	3.93E-09	1.77E-09	6.37E-11	1.54E-09	1.08E-09	9.35E-10	2.79E-10	3.90E-09
473363.09, 3854877.25	0.0015	5.47E-06	1.89E-09	5.72E-09	4.52E-09	3.91E-09	1.76E-09	6.32E-11	1.53E-09	1.07E-09	9.28E-10	2.77E-10	3.87E-09
473863.09, 3854877.25	0.00148	5.397E-06	1.87E-09	5.64E-09	4.46E-09	3.86E-09	1.73E-09	6.24E-11	1.51E-09	1.06E-09	9.16E-10	2.73E-10	3.82E-09
474363.09, 3854877.25	0.00149	5.434E-06	1.88E-09	5.68E-09	4.49E-09	3.88E-09	1.75E-09	6.28E-11	1.52E-09	1.07E-09	9.22E-10	2.75E-10	3.84E-09
474863.09, 3854877.25	0.00136	4.959E-06	1.72E-09	5.18E-09	4.09E-09	3.54E-09	1.59E-09	5.73E-11	1.38E-09	9.73E-10	8.42E-10	2.51E-10	3.51E-09
475363.09, 3854877.25	0.00129	4.704E-06	1.63E-09	4.92E-09	3.88E-09	3.36E-09	1.51E-09	5.44E-11	1.31E-09	9.23E-10	7.98E-10	2.38E-10	3.33E-09
475863.09, 3854877.25	0.00124	4.522E-06	1.57E-09	4.73E-09	3.73E-09	3.23E-09	1.45E-09	5.23E-11	1.26E-09	8.87E-10	7.68E-10	2.29E-10	3.20E-09
476363.09, 3854877.25	0.00113	4.121E-06	1.43E-09	4.31E-09	3.40E-09	2.94E-09	1.32E-09	4.76E-11	1.15E-09	8.08E-10	6.99E-10	2.09E-10	2.91E-09
476863.09, 3854877.25	0.00112	4.084E-06	1.41E-09	4.27E-09	3.37E-09	2.92E-09	1.31E-09	4.72E-11	1.14E-09	8.01E-10	6.93E-10	2.07E-10	2.89E-09
477363.09, 3854877.25	0.00119	4.34E-06	1.50E-09	4.54E-09	3.58E-09	3.10E-09	1.39E-09	5.02E-11	1.21E-09	8.51E-10	7.37E-10	2.20E-10	3.07E-09
477863.09, 3854877.25	0.00126	4.595E-06	1.59E-09	4.80E-09	3.79E-09	3.28E-09	1.48E-09	5.31E-11	1.28E-09	9.01E-10	7.80E-10	2.33E-10	3.25E-09
478363.09, 3854877.25	0.00139	5.069E-06	1.75E-09	5.30E-09	4.18E-09	3.62E-09	1.63E-09	5.86E-11	1.42E-09	9.94E-10	8.60E-10	2.57E-10	3.59E-09
478863.09, 3854877.25	0.00157	5.725E-06	1.98E-09	5.98E-09	4.73E-09	4.09E-09	1.84E-09	6.62E-11	1.60E-09	1.12E-09	9.72E-10	2.90E-10	4.05E-09
479363.09, 3854877.25	0.00175	6.382E-06	2.21E-09	6.67E-09	5.27E-09	4.56E-09	2.05E-09	7.38E-11	1.78E-09	1.25E-09	1.08E-09	3.23E-10	4.51E-09
479863.09, 3854877.25	0.00188	6.856E-06	2.37E-09	7.17E-09	5.66E-09	4.90E-09	2.20E-09	7.92E-11	1.91E-09	1.34E-09	1.16E-09	3.47E-10	4.85E-09
480363.09, 3854877.25	0.002	7.293E-06	2.52E-09	7.62E-09	6.02E-09	5.21E-09	2.34E-09	8.43E-11	2.04E-09	1.43E-09	1.24E-09	3.70E-10	5.16E-09
480863.09, 3854877.25	0.00237	8.643E-06	2.99E-09	9.03E-09	7.14E-09	6.17E-09	2.78E-09	9.99E-11	2.41E-09	1.70E-09	1.47E-09	4.38E-10	6.11E-09
481363.09, 3854877.25	0.00277	1.01E-05	3.50E-09	1.06E-08	8.34E-09	7.22E-09	3.24E-09	1.17E-10	2.82E-09	1.98E-09	1.71E-09	5.12E-10	7.15E-09
481863.09, 3854877.25	0.00271	9.882E-06	3.42E-09	1.03E-08	8.16E-09	7.06E-09	3.17E-09	1.14E-10	2.76E-09	1.94E-09	1.68E-09	5.01E-10	6.99E-09
482363.09, 3854877.25	0.0059	2.152E-05	7.45E-09	2.25E-08	1.78E-08	1.54E-08	6.91E-09	2.49E-10	6.01E-09	4.22E-09	3.65E-09	1.09E-09	1.52E-08
482863.09, 3854877.25	0.00584	2.13E-05	7.37E-09	2.23E-08	1.76E-08	1.52E-08	6.84E-09	2.46E-10	5.95E-09	4.18E-09	3.61E-09	1.08E-09	1.51E-08
483363.09, 3854877.25	0.00567	2.068E-05	7.16E-09	2.16E-08	1.71E-08	1.48E-08	6.64E-09	2.39E-10	5.77E-09	4.06E-09	3.51E-09	1.05E-09	1.46E-08
483863.09, 3854877.25	0.00402	1.466E-05	5.07E-09	1.53E-08	1.21E-08	1.05E-08	4.71E-09	1.69E-10	4.09E-09	2.88E-09	2.49E-09	7.43E-10	1.04E-08
484363.09, 3854877.25	0.00314	1.145E-05	3.96E-09	1.20E-08	9.45E-09	8.18E-09	3.68E-09	1.32E-10	3.20E-09	2.25E-09	1.94E-09	5.80E-10	8.10E-09

484863.09, 3854877.25	0.0032	1.167E-05	4.04E-09	1.22E-08	9.63E-09	8.34E-09	3.75E-09	1.35E-10	3.26E-09	2.29E-09	1.98E-09	5.91E-10	8.25E-09
485363.09, 3854877.25	0.00332	1.211E-05	4.19E-09	1.27E-08	1.00E-08	8.65E-09	3.89E-09	1.40E-10	3.38E-09	2.37E-09	2.06E-09	6.13E-10	8.56E-09
485863.09, 3854877.25	0.00313	1.141E-05	3.95E-09	1.19E-08	9.42E-09	8.15E-09	3.67E-09	1.32E-10	3.19E-09	2.24E-09	1.94E-09	5.78E-10	8.07E-09
486363.09, 3854877.25	0.00287	1.047E-05	3.62E-09	1.09E-08	8.64E-09	7.48E-09	3.36E-09	1.21E-10	2.92E-09	2.05E-09	1.78E-09	5.30E-10	7.40E-09
486863.09, 3854877.25	0.00278	1.014E-05	3.51E-09	1.06E-08	8.37E-09	7.24E-09	3.26E-09	1.17E-10	2.83E-09	1.99E-09	1.72E-09	5.14E-10	7.17E-09
487363.09, 3854877.25	0.003	1.094E-05	3.79E-09	1.14E-08	9.03E-09	7.82E-09	3.51E-09	1.26E-10	3.05E-09	2.15E-09	1.86E-09	5.54E-10	7.74E-09
487863.09, 3854877.25	0.00324	1.182E-05	4.09E-09	1.23E-08	9.75E-09	8.44E-09	3.80E-09	1.37E-10	3.30E-09	2.32E-09	2.01E-09	5.99E-10	8.36E-09
488363.09, 3854877.25	0.00329	1.2E-05	4.15E-09	1.25E-08	9.91E-09	8.57E-09	3.85E-09	1.39E-10	3.35E-09	2.35E-09	2.04E-09	6.08E-10	8.49E-09
488863.09, 3854877.25	0.00313	1.141E-05	3.95E-09	1.19E-08	9.42E-09	8.15E-09	3.67E-09	1.32E-10	3.19E-09	2.24E-09	1.94E-09	5.78E-10	8.07E-09
489363.09, 3854877.25	0.00294	1.072E-05	3.71E-09	1.12E-08	8.85E-09	7.66E-09	3.44E-09	1.24E-10	2.99E-09	2.10E-09	1.82E-09	5.43E-10	7.58E-09
489863.09, 3854877.25	0.00264	9.627E-06	3.33E-09	1.01E-08	7.95E-09	6.88E-09	3.09E-09	1.11E-10	2.69E-09	1.89E-09	1.63E-09	4.88E-10	6.81E-09
490363.09, 3854877.25	0.00212	7.731E-06	2.68E-09	8.08E-09	6.38E-09	5.52E-09	2.48E-09	8.94E-11	2.16E-09	1.52E-09	1.31E-09	3.92E-10	5.47E-09
490863.09, 3854877.25	0.00179	6.528E-06	2.26E-09	6.82E-09	5.39E-09	4.66E-09	2.10E-09	7.55E-11	1.82E-09	1.28E-09	1.11E-09	3.31E-10	4.62E-09
491363.09, 3854877.25	0.00178	6.491E-06	2.25E-09	6.78E-09	5.36E-09	4.64E-09	2.09E-09	7.50E-11	1.81E-09	1.27E-09	1.10E-09	3.29E-10	4.59E-09
491863.09, 3854877.25	0.00228	8.314E-06	2.88E-09	8.69E-09	6.86E-09	5.94E-09	2.67E-09	9.61E-11	2.32E-09	1.63E-09	1.41E-09	4.21E-10	5.88E-09
492363.09, 3854877.25	0.00234	8.533E-06	2.95E-09	8.92E-09	7.05E-09	6.10E-09	2.74E-09	9.86E-11	2.38E-09	1.67E-09	1.45E-09	4.32E-10	6.04E-09
492863.09, 3854877.25	0.00229	8.351E-06	2.89E-09	8.73E-09	6.89E-09	5.97E-09	2.68E-09	9.65E-11	2.33E-09	1.64E-09	1.42E-09	4.23E-10	5.91E-09
493363.09, 3854877.25	0.00218	7.95E-06	2.75E-09	8.31E-09	6.56E-09	5.68E-09	2.55E-09	9.19E-11	2.22E-09	1.56E-09	1.35E-09	4.03E-10	5.62E-09
493863.09, 3854877.25	0.00195	7.111E-06	2.46E-09	7.43E-09	5.87E-09	5.08E-09	2.28E-09	8.22E-11	1.99E-09	1.39E-09	1.21E-09	3.60E-10	5.03E-09
494363.09, 3854877.25	0.00158	5.762E-06	1.99E-09	6.02E-09	4.76E-09	4.12E-09	1.85E-09	6.66E-11	1.61E-09	1.13E-09	9.78E-10	2.92E-10	4.08E-09
494863.09, 3854877.25	0.00137	4.996E-06	1.73E-09	5.22E-09	4.12E-09	3.57E-09	1.60E-09	5.78E-11	1.39E-09	9.80E-10	8.48E-10	2.53E-10	3.53E-09
495363.09, 3854877.25	0.00122	4.449E-06	1.54E-09	4.65E-09	3.67E-09	3.18E-09	1.43E-09	5.14E-11	1.24E-09	8.73E-10	7.55E-10	2.25E-10	3.15E-09
495863.09, 3854877.25	0.00111	4.048E-06	1.40E-09	4.23E-09	3.34E-09	2.89E-09	1.30E-09	4.68E-11	1.13E-09	7.94E-10	6.87E-10	2.05E-10	2.86E-09
496363.09, 3854877.25	0.00099	3.61E-06	1.25E-09	3.77E-09	2.98E-09	2.58E-09	1.16E-09	4.17E-11	1.01E-09	7.08E-10	6.13E-10	1.83E-10	2.55E-09
496863.09, 3854877.25	0.00095	3.464E-06	1.20E-09	3.62E-09	2.86E-09	2.47E-09	1.11E-09	4.00E-11	9.67E-10	6.80E-10	5.88E-10	1.76E-10	2.45E-09
497363.09, 3854877.25	0.00095	3.464E-06	1.20E-09	3.62E-09	2.86E-09	2.47E-09	1.11E-09	4.00E-11	9.67E-10	6.80E-10	5.88E-10	1.76E-10	2.45E-09
497863.09, 3854877.25	0.00101	3.683E-06	1.27E-09	3.85E-09	3.04E-09	2.63E-09	1.18E-09	4.26E-11	1.03E-09	7.23E-10	6.25E-10	1.87E-10	2.61E-09
498363.09, 3854877.25	0.00105	3.829E-06	1.33E-09	4.00E-09	3.16E-09	2.74E-09	1.23E-09	4.43E-11	1.07E-09	7.51E-10	6.50E-10	1.94E-10	2.71E-09
471363.09, 3855377.25	0.00161	5.871E-06	2.03E-09	6.14E-09	4.85E-09	4.19E-09	1.89E-09	6.79E-11	1.64E-09	1.15E-09	9.97E-10	2.97E-10	4.15E-09
471863.09, 3855377.25	0.00164	5.981E-06	2.07E-09	6.25E-09	4.94E-09	4.27E-09	1.92E-09	6.91E-11	1.67E-09	1.17E-09	1.02E-09	3.03E-10	4.23E-09
472363.09, 3855377.25	0.0017	6.199E-06	2.15E-09	6.48E-09	5.12E-09	4.43E-09	1.99E-09	7.17E-11	1.73E-09	1.22E-09	1.05E-09	3.14E-10	4.39E-09
472863.09, 3855377.25	0.00172	6.272E-06	2.17E-09	6.56E-09	5.18E-09	4.48E-09	2.01E-09	7.25E-11	1.75E-09	1.23E-09	1.06E-09	3.18E-10	4.44E-09
473363.09, 3855377.25	0.00179	6.528E-06	2.26E-09	6.82E-09	5.39E-09	4.66E-09	2.10E-09	7.55E-11	1.82E-09	1.28E-09	1.11E-09	3.31E-10	4.62E-09
473863.09, 3855377.25	0.00181	6.6E-06	2.28E-09	6.90E-09	5.45E-09	4.72E-09	2.12E-09	7.63E-11	1.84E-09	1.29E-09	1.12E-09	3.34E-10	4.67E-09
474363.09, 3855377.25	0.00176	6.418E-06	2.22E-09	6.71E-09	5.30E-09	4.59E-09	2.06E-09	7.42E-11	1.79E-09	1.26E-09	1.09E-09	3.25E-10	4.54E-09
474863.09, 3855377.25	0.00154	5.616E-06	1.94E-09	5.87E-09	4.64E-09	4.01E-09	1.80E-09	6.49E-11	1.57E-09	1.10E-09	9.53E-10	2.85E-10	3.97E-09
475363.09, 3855377.25	0.00123	4.485E-06	1.55E-09	4.69E-09	3.70E-09	3.20E-09	1.44E-09	5.18E-11	1.25E-09	8.80E-10	7.61E-10	2.27E-10	3.17E-09
475863.09, 3855377.25	0.00116	4.23E-06	1.46E-09	4.42E-09	3.49E-09	3.02E-09	1.36E-09	4.89E-11	1.18E-09	8.30E-10	7.18E-10	2.14E-10	2.99E-09
476363.09, 3855377.25	0.0012	4.376E-06	1.51E-09	4.57E-09	3.61E-09	3.13E-09	1.41E-09	5.06E-11	1.22E-09	8.58E-10	7.43E-10	2.22E-10	3.10E-09
476863.09, 3855377.25	0.00121	4.412E-06	1.53E-09	4.61E-09	3.64E-09	3.15E-09	1.42E-09	5.10E-11	1.23E-09	8.66E-10	7.49E-10	2.24E-10	3.12E-09
477363.09, 3855377.25	0.00126	4.595E-06	1.59E-09	4.80E-09	3.79E-09	3.28E-09	1.48E-09	5.31E-11	1.28E-09	9.01E-10	7.80E-10	2.33E-10	3.25E-09
477863.09, 3855377.25	0.00138	5.032E-06	1.74E-09	5.26E-09	4.15E-09	3.60E-09	1.62E-09	5.82E-11	1.41E-09	9.87E-10	8.54E-10	2.55E-10	3.56E-09
478363.09, 3855377.25	0.00151	5.506E-06	1.91E-09	5.76E-09	4.55E-09	3.93E-09	1.77E-09	6.37E-11	1.54E-09	1.08E-09	9.35E-10	2.79E-10	3.90E-09
478863.09, 3855377.25	0.00167	6.09E-06	2.11E-09	6.37E-09	5.03E-09	4.35E-09	1.96E-09	7.04E-11	1.70E-09	1.19E-09	1.03E-09	3.09E-10	4.31E-09
479363.09, 3855377.25	0.00194	7.075E-06	2.45E-09	7.39E-09	5.84E-09	5.05E-09	2.27E-09	8.18E-11	1.98E-09	1.39E-09	1.20E-09	3.58E-10	5.00E-09
479863.09, 3855377.25	0.00215	7.84E-06	2.71E-09	8.19E-09	6.47E-09	5.60E-09	2.52E-09	9.06E-11	2.19E-09	1.54E-09	1.33E-09	3.97E-10	5.55E-09
480363.09, 3855377.25	0.00239	8.716E-06	3.02E-09	9.11E-09	7.20E-09	6.23E-09	2.80E-09	1.01E-10	2.43E-09	1.71E-09	1.48E-09	4.42E-10	6.16E-09
480863.09, 3855377.25	0.00279	1.017E-05	3.52E-09	1.06E-08	8.40E-09	7.27E-09	3.27E-09	1.18E-10	2.84E-09	2.00E-09	1.73E-09	5.16E-10	7.20E-09
481363.09, 3855377.25	0.00343	1.251E-05	4.33E-09	1.31E-08	1.03E-08	8.94E-09	4.02E-09	1.45E-10	3.49E-09	2.45E-09	2.12E-09	6.34E-10	8.85E-09
481863.09, 3855377.25	0.00448	1.634E-05	5.66E-09	1.71E-08	1.35E-08	1.17E-08	5.25E-09	1.89E-10	4.56E-09	3.20E-09	2.77E-09	8.28E-10	1.16E-08
482363.09, 3855377.25	0.00609	2.221E-05	7.69E-09	2.32E-08	1.83E-08	1.59E-08	7.13E-09	2.57E-10	6.20E-09	4.36E-09	3.77E-09	1.13E-09	1.57E-08
482863.09, 3855377.25	0.00644	2.348E-05	8.13E-09	2.45E-08	1.94E-08	1.68E-08	7.54E-09	2.71E-10	6.56E-09	4.61E-09	3.99E-09	1.19E-09	1.66E-08
483363.09, 3855377.25	0.00702	2.56E-05	8.86E-09	2.68E-08	2.11E-08	1.83E-08	8.22E-09	2.96E-10	7.15E-09	5.02E-09	4.35E-09	1.30E-09	1.81E-08
483863.09, 3855377.25	0.00665	2.425E-05	8.39E-09	2.53E-08	2.00E-08	1.73E-08	7.79E-09	2.80E-10	6.77E-09	4.76E-09	4.12E-09	1.23E-09	1.72E-08
484363.09, 3855377.25	0.0046	1.677E-05	5.81E-09	1.75E-08	1.38E-08	1.20E-08	5.39E-09	1.94E-10	4.68E-09	3.29E-09	2.85E-09	8.50E-10	1.19E-08
484863.09, 3855377.25	0.00422	1.539E-05	5.33E-09	1.61E-08	1.27E-08	1.10E-08	4.94E-09	1.78E-10	4.30E-09	3.02E-09	2.61E-09	7.80E-10	1.09E-08
485363.09, 3855377.25	0.00386	1.408E-05	4.87E-09	1.47E-08	1.16E-08	1.01E-08	4.52E-09	1.63E-10	3.93E-09	2.76E-09	2.39E-09	7.13E-10	9.96E-09
485863.09, 3855377.25	0.00399	1.455E-05	5.04E-09	1.52E-08	1.20E-08	1.04E-08	4.67E-09	1.68E-10	4.06E-09	2.85E-09	2.47E-09	7.37E-10	1.03E-08
486363.09, 3855377.25	0.00383	1.397E-05	4.83E-09	1.46E-08	1.15E-08	9.98E-09	4.49E-09	1.61E-10	3.90E-09	2.74E-09	2.37E-09	7.08E-10	9.88E-09
486863.09, 3855377.25	0.00345	1.258E-05	4.36E-09	1.31E-08	1.04E-08	8.99E-09	4.04E-09	1.45E-10	3.51E-09	2.47E-09	2.14E-09	6.37E-10	8.90E-09
487363.09, 3855377.25	0.00358	1.306E-05	4.52E-09	1.36E-08	1.08E-08	9.33E-09	4.19E-09	1.51E-10	3.65E-09	2.56E-09	2.22E-09	6.61E-10	9.23E-09
487863.09, 3855377.25	0.0039	1.422E-05	4.92E-09	1.49E-08	1.17E-08	1.02E-08	4.57E-09	1.64E-10	3.97E-09	2.79E-09	2.41E-09	7.21E-10	1.01E-08
488363.09, 3855377.25	0.0043	1.568E-05	5.43E-09	1.64E-08	1.29E-08	1.12E-08	5.04E-09	1.81E-10	4.38E-09	3.08E-09	2.66E-09	7.95E-10	1.11E-08
488863.09, 3855377.25	0.00433	1.579E-05	5.47E-09	1.65E-08	1.30E-08	1.13E-08	5.07E-09	1.83E-10	4.41E-09	3.10E-09	2.68E-09	8.00E-10	1.12E-08
489363.09, 3855377.25	0.00388	1.415E-05	4.90E-09	1.48E-08	1.17E-08	1.01E-08	4.55E-09	1.64E-10	3.95E-09	2.78E-09	2.40E-09	7.17E-10	1.00E-08
489863.09, 3855377.25	0.00344	1.254E-05	4.34E-09	1.31E-08	1.04E-08	8.96E-09	4.03E-09	1.45E-10	3.50E-09	2.46E-09	2.13E-09	6.36E-10	8.87E-09
490363.09, 3855377.25	0.00321	1.171E-05	4.05E-09	1.22E-08	9.66E-09	8.36E-09	3.76E-09	1.35E-10	3.27E-09	2.30E-09	1.99E-09	5.93E-10	8.28E-09
490863.09, 3855377.25	0.00226	8.241E-06	2.85E-09	8.61E-09	6.80E-09	5.89E-09	2.65E-09	9.53E-11	2.30E-09	1.62E-09	1.40E-09	4.18E-10	5.83E-09
491363.09, 3855377.25	0.00204	7.439E-06	2.58E-09	7.78E-09	6.14E-09	5.31E-09	2.39E-09	8.60E-11	2.08E-09	1.46E-09	1.26E-09	3.77E-10	5.26E-09
491863.09, 3855377.25	0.0026	9.481E-06	3.28E-09	9.91E-09	7.83E-09	6.77E-09	3.05E-09	1.10E-10	2.65E-09	1.86E-09	1.61E-09	4.80E-10	6.71E-09
492363.09, 3855377.25	0.00272	9.919E-06	3.43E-09	1.04E-08	8.19E-09	7.09E-09	3.19E-09	1.15E-10	2.77E-09	1.95E-09	1.68E-09	5.03E-10	7.02E-09
492863.09, 3855377.25	0.00261	9.518E-06	3.29E-09	9.95E-09	7.86E-09	6.80E-09	3.06E-09	1.10E-10	2.66E-09	1.87E-09	1.62E-09	4.82E-10	6.73E-09
493363.09, 3855377.25	0.00237	8.643E-06	2.99E-09	9.03E-09	7.14E-09	6.17E-09	2.78E-09	9.99E-11	2.41E-09	1.70E-09	1.47E-09	4.38E-10	6.11E-09
493863.09, 3855377.25	0.00191	6.965E-06	2.41E-09	7.28E-09	5.75E-09	4.98E-09	2.24E-09	8.05E-11	1.94E-09	1.37E-09	1.18E-09	3.53E-10	4.93E-09
494363.09, 3855377.25	0.00159	5.798E-06	2.01E-09	6.06E-09	4.79E-09	4.14E-09	1.86E-09	6.70E-11	1.62E-09	1.14E-09	9.84E-10	2.94E-10	4.10E-09
494863.09, 3855377.25	0.00138	5.032E-06	1.74E-09	5.26E-09	4.15E-09	3.60E-09	1.62E-09	5.82E-11	1.41E-09	9.87E-10	8.54E-10	2.55E-10	3.56E-09
495363.09, 3855377.25	0.00121	4.412E-06	1.53E-09	4.61E-09	3.64E-09	3.15E-09	1.42E-09	5.10E-11	1.23E-09	8.66E-10	7.49E-10	2.24E-10	3.12E-09
495863.09, 3855377.25	0.00108	3.938E-06	1.36E-09	4.12E-09	3.25E-09	2.81E-09	1.27E-09	4.55E-11	1.10E-09	7.73E-10	6.68E-10	2.00E-10	2.79E-09
496363.09, 3855377.25	0.00105	3.829E-06	1.33E-09	4.00E-09	3.16E-09	2.74E-09	1.23E-09	4.43E-11	1.07E-09	7.51E-10	6.50E-10	1.94E-10	2.71E-09
496863.09, 3855377.25	0.00106	3.865E-06	1.34E-09	4.04E-09	3.19E-09	2.76E-09	1.24E-09	4.47E-11	1.08E-09	7.58E-10	6.56E-10	1.96E-10	2.73E-09

497363.09, 3855377.25	0.00109	3.975E-06	1.38E-09	4.15E-09	3.28E-09	2.84E-09	1.28E-09	4.59E-11	1.11E-09	7.80E-10	6.75E-10	2.01E-10	2.81E-09
497863.09, 3855377.25	0.00115	4.194E-06	1.45E-09	4.38E-09	3.46E-09	3.00E-09	1.35E-09	4.85E-11	1.17E-09	8.23E-10	7.12E-10	2.12E-10	2.97E-09
498363.09, 3855377.25	0.00128	4.668E-06	1.62E-09	4.88E-09	3.85E-09	3.33E-09	1.50E-09	5.40E-11	1.30E-09	9.16E-10	7.92E-10	2.37E-10	3.30E-09
471363.09, 3855877.25	0.00171	6.236E-06	2.16E-09	6.52E-09	5.15E-09	4.45E-09	2.00E-09	7.21E-11	1.74E-09	1.22E-09	1.06E-09	3.16E-10	4.41E-09
471863.09, 3855877.25	0.00173	6.309E-06	2.18E-09	6.59E-09	5.21E-09	4.51E-09	2.03E-09	7.29E-11	1.76E-09	1.24E-09	1.07E-09	3.20E-10	4.46E-09
472363.09, 3855877.25	0.0018	6.564E-06	2.27E-09	6.86E-09	5.42E-09	4.69E-09	2.11E-09	7.59E-11	1.83E-09	1.29E-09	1.11E-09	3.33E-10	4.64E-09
472863.09, 3855877.25	0.0018	6.564E-06	2.27E-09	6.86E-09	5.42E-09	4.69E-09	2.11E-09	7.59E-11	1.83E-09	1.29E-09	1.11E-09	3.33E-10	4.64E-09
473363.09, 3855877.25	0.00189	6.892E-06	2.39E-09	7.20E-09	5.69E-09	4.92E-09	2.21E-09	7.97E-11	1.92E-09	1.35E-09	1.17E-09	3.49E-10	4.88E-09
473863.09, 3855877.25	0.00196	7.147E-06	2.47E-09	7.47E-09	5.90E-09	5.11E-09	2.30E-09	8.26E-11	2.00E-09	1.40E-09	1.21E-09	3.62E-10	5.06E-09
474363.09, 3855877.25	0.00198	7.22E-06	2.50E-09	7.55E-09	5.96E-09	5.16E-09	2.32E-09	8.35E-11	2.02E-09	1.42E-09	1.23E-09	3.66E-10	5.11E-09
474863.09, 3855877.25	0.00176	6.418E-06	2.22E-09	6.71E-09	5.30E-09	4.59E-09	2.06E-09	7.42E-11	1.79E-09	1.26E-09	1.09E-09	3.25E-10	4.54E-09
475363.09, 3855877.25	0.00146	5.324E-06	1.84E-09	5.56E-09	4.40E-09	3.80E-09	1.71E-09	6.15E-11	1.49E-09	1.04E-09	9.04E-10	2.70E-10	3.77E-09
475863.09, 3855877.25	0.00116	4.23E-06	1.46E-09	4.42E-09	3.49E-09	3.02E-09	1.36E-09	4.89E-11	1.18E-09	8.30E-10	7.18E-10	2.14E-10	2.99E-09
476363.09, 3855877.25	0.00117	4.267E-06	1.48E-09	4.46E-09	3.52E-09	3.05E-09	1.37E-09	4.93E-11	1.19E-09	8.37E-10	7.24E-10	2.16E-10	3.02E-09
476863.09, 3855877.25	0.00129	4.704E-06	1.63E-09	4.92E-09	3.88E-09	3.36E-09	1.51E-09	5.44E-11	1.31E-09	9.23E-10	7.98E-10	2.38E-10	3.33E-09
477363.09, 3855877.25	0.00133	4.85E-06	1.68E-09	5.07E-09	4.00E-09	3.46E-09	1.56E-09	5.61E-11	1.35E-09	9.51E-10	8.23E-10	2.46E-10	3.43E-09
477863.09, 3855877.25	0.00139	5.069E-06	1.75E-09	5.30E-09	4.18E-09	3.62E-09	1.63E-09	5.86E-11	1.42E-09	9.94E-10	8.60E-10	2.57E-10	3.59E-09
478363.09, 3855877.25	0.0015	5.47E-06	1.89E-09	5.72E-09	4.52E-09	3.91E-09	1.76E-09	6.32E-11	1.53E-09	1.07E-09	9.28E-10	2.77E-10	3.87E-09
478863.09, 3855877.25	0.00168	6.126E-06	2.12E-09	6.40E-09	5.06E-09	4.38E-09	1.97E-09	7.08E-11	1.71E-09	1.20E-09	1.04E-09	3.10E-10	4.33E-09
479363.09, 3855877.25	0.00194	7.075E-06	2.45E-09	7.39E-09	5.84E-09	5.05E-09	2.27E-09	8.18E-11	1.98E-09	1.39E-09	1.20E-09	3.58E-10	5.00E-09
479863.09, 3855877.25	0.00228	8.314E-06	2.88E-09	8.69E-09	6.86E-09	5.94E-09	2.67E-09	9.61E-11	2.32E-09	1.63E-09	1.41E-09	4.21E-10	5.88E-09
480363.09, 3855877.25	0.00285	1.039E-05	3.60E-09	1.09E-08	8.58E-09	7.42E-09	3.34E-09	1.20E-10	2.90E-09	2.04E-09	1.76E-09	5.27E-10	7.35E-09
480863.09, 3855877.25	0.00358	1.306E-05	4.52E-09	1.36E-08	1.08E-08	9.33E-09	4.19E-09	1.51E-10	3.65E-09	2.56E-09	2.22E-09	6.61E-10	9.23E-09
481363.09, 3855877.25	0.00336	1.225E-05	4.24E-09	1.28E-08	1.01E-08	8.75E-09	3.94E-09	1.42E-10	3.42E-09	2.40E-09	2.08E-09	6.21E-10	8.67E-09
481863.09, 3855877.25	0.00489	1.783E-05	6.17E-09	1.86E-08	1.47E-08	1.27E-08	5.73E-09	2.06E-10	4.98E-09	3.50E-09	3.03E-09	9.04E-10	1.26E-08
482363.09, 3855877.25	0.00646	2.356E-05	8.15E-09	2.46E-08	1.94E-08	1.68E-08	7.57E-09	2.72E-10	6.58E-09	4.62E-09	4.00E-09	1.19E-09	1.67E-08
482863.09, 3855877.25	0.00653	2.381E-05	8.24E-09	2.49E-08	1.97E-08	1.70E-08	7.65E-09	2.75E-10	6.65E-09	4.67E-09	4.04E-09	1.21E-09	1.68E-08
483363.09, 3855877.25	0.00713	2.6E-05	9.00E-09	2.72E-08	2.15E-08	1.86E-08	8.35E-09	3.01E-10	7.26E-09	5.10E-09	4.41E-09	1.32E-09	1.84E-08
483863.09, 3855877.25	0.00785	2.863E-05	9.91E-09	2.99E-08	2.36E-08	2.05E-08	9.20E-09	3.31E-10	7.99E-09	5.62E-09	4.86E-09	1.45E-09	2.02E-08
484363.09, 3855877.25	0.00701	2.556E-05	8.85E-09	2.67E-08	2.11E-08	1.83E-08	8.21E-09	2.95E-10	7.14E-09	5.01E-09	4.34E-09	1.30E-09	1.81E-08
484863.09, 3855877.25	0.00596	2.173E-05	7.52E-09	2.27E-08	1.79E-08	1.55E-08	6.98E-09	2.51E-10	6.07E-09	4.26E-09	3.69E-09	1.10E-09	1.54E-08
485363.09, 3855877.25	0.00535	1.951E-05	6.75E-09	2.04E-08	1.61E-08	1.39E-08	6.27E-09	2.26E-10	5.45E-09	3.83E-09	3.31E-09	9.89E-10	1.38E-08
485863.09, 3855877.25	0.00451	1.645E-05	5.69E-09	1.72E-08	1.36E-08	1.17E-08	5.28E-09	1.90E-10	4.59E-09	3.23E-09	2.79E-09	8.33E-10	1.16E-08
486363.09, 3855877.25	0.0042	1.532E-05	5.30E-09	1.60E-08	1.26E-08	1.09E-08	4.92E-09	1.77E-10	4.28E-09	3.00E-09	2.60E-09	7.76E-10	1.08E-08
486863.09, 3855877.25	0.00437	1.594E-05	5.52E-09	1.67E-08	1.32E-08	1.14E-08	5.12E-09	1.84E-10	4.45E-09	3.13E-09	2.70E-09	8.07E-10	1.13E-08
487363.09, 3855877.25	0.00467	1.703E-05	5.90E-09	1.78E-08	1.41E-08	1.22E-08	5.47E-09	1.97E-10	4.76E-09	3.34E-09	2.89E-09	8.63E-10	1.20E-08
487863.09, 3855877.25	0.0048	1.75E-05	6.06E-09	1.83E-08	1.45E-08	1.25E-08	5.62E-09	2.02E-10	4.89E-09	3.43E-09	2.97E-09	8.87E-10	1.24E-08
488363.09, 3855877.25	0.00519	1.893E-05	6.55E-09	1.98E-08	1.56E-08	1.35E-08	6.08E-09	2.19E-10	5.28E-09	3.71E-09	3.21E-09	9.59E-10	1.34E-08
488863.09, 3855877.25	0.00568	2.071E-05	7.17E-09	2.16E-08	1.71E-08	1.48E-08	6.65E-09	2.39E-10	5.78E-09	4.06E-09	3.52E-09	1.05E-09	1.47E-08
489363.09, 3855877.25	0.00558	2.035E-05	7.04E-09	2.13E-08	1.68E-08	1.45E-08	6.54E-09	2.35E-10	5.68E-09	3.99E-09	3.45E-09	1.03E-09	1.44E-08
489863.09, 3855877.25	0.00489	1.783E-05	6.17E-09	1.86E-08	1.47E-08	1.27E-08	5.73E-09	2.06E-10	4.98E-09	3.50E-09	3.03E-09	9.04E-10	1.26E-08
490363.09, 3855877.25	0.00445	1.623E-05	5.62E-09	1.70E-08	1.34E-08	1.16E-08	5.21E-09	1.88E-10	4.53E-09	3.18E-09	2.75E-09	8.22E-10	1.15E-08
490863.09, 3855877.25	0.00374	1.364E-05	4.72E-09	1.43E-08	1.13E-08	9.74E-09	4.38E-09	1.58E-10	3.81E-09	2.68E-09	2.31E-09	6.91E-10	9.65E-09
491363.09, 3855877.25	0.00298	1.087E-05	3.76E-09	1.14E-08	8.97E-09	7.76E-09	3.49E-09	1.26E-10	3.03E-09	2.13E-09	1.84E-09	5.51E-10	7.69E-09
491863.09, 3855877.25	0.00323	1.178E-05	4.08E-09	1.23E-08	9.72E-09	8.41E-09	3.78E-09	1.36E-10	3.29E-09	2.31E-09	2.00E-09	5.97E-10	8.33E-09
492363.09, 3855877.25	0.00309	1.127E-05	3.90E-09	1.18E-08	9.30E-09	8.05E-09	3.62E-09	1.30E-10	3.15E-09	2.21E-09	1.91E-09	5.71E-10	7.97E-09
492863.09, 3855877.25	0.00294	1.072E-05	3.71E-09	1.12E-08	8.85E-09	7.66E-09	3.44E-09	1.24E-10	2.99E-09	2.10E-09	1.82E-09	5.43E-10	7.58E-09
493363.09, 3855877.25	0.00243	8.861E-06	3.07E-09	9.26E-09	7.32E-09	6.33E-09	2.85E-09	1.02E-10	2.47E-09	1.74E-09	1.50E-09	4.49E-10	6.27E-09
493863.09, 3855877.25	0.002	7.293E-06	2.52E-09	7.62E-09	6.02E-09	5.21E-09	2.34E-09	8.43E-11	2.04E-09	1.43E-09	1.24E-09	3.70E-10	5.16E-09
494363.09, 3855877.25	0.00164	5.981E-06	2.07E-09	6.25E-09	4.94E-09	4.27E-09	1.92E-09	6.91E-11	1.67E-09	1.17E-09	1.02E-09	3.03E-10	4.23E-09
494863.09, 3855877.25	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
495363.09, 3855877.25	0.0012	4.376E-06	1.51E-09	4.57E-09	3.61E-09	3.13E-09	1.41E-09	5.06E-11	1.22E-09	8.58E-10	7.43E-10	2.22E-10	3.10E-09
495863.09, 3855877.25	0.00114	4.157E-06	1.44E-09	4.35E-09	3.43E-09	2.97E-09	1.34E-09	4.81E-11	1.16E-09	8.16E-10	7.06E-10	2.11E-10	2.94E-09
496363.09, 3855877.25	0.00116	4.23E-06	1.46E-09	4.42E-09	3.49E-09	3.02E-09	1.36E-09	4.89E-11	1.18E-09	8.30E-10	7.18E-10	2.14E-10	2.99E-09
496863.09, 3855877.25	0.00121	4.412E-06	1.53E-09	4.61E-09	3.64E-09	3.15E-09	1.42E-09	5.10E-11	1.23E-09	8.66E-10	7.49E-10	2.24E-10	3.12E-09
497363.09, 3855877.25	0.00127	4.631E-06	1.60E-09	4.84E-09	3.82E-09	3.31E-09	1.49E-09	5.35E-11	1.29E-09	9.08E-10	7.86E-10	2.35E-10	3.28E-09
497863.09, 3855877.25	0.00139	5.069E-06	1.75E-09	5.30E-09	4.18E-09	3.62E-09	1.63E-09	5.86E-11	1.42E-09	9.94E-10	8.60E-10	2.57E-10	3.59E-09
498363.09, 3855877.25	0.00165	6.017E-06	2.08E-09	6.29E-09	4.97E-09	4.30E-09	1.93E-09	6.96E-11	1.68E-09	1.18E-09	1.02E-09	3.05E-10	4.26E-09
471363.09, 3856377.25	0.00171	6.236E-06	2.16E-09	6.52E-09	5.15E-09	4.45E-09	2.00E-09	7.21E-11	1.74E-09	1.22E-09	1.06E-09	3.16E-10	4.41E-09
471863.09, 3856377.25	0.00176	6.418E-06	2.22E-09	6.71E-09	5.30E-09	4.59E-09	2.06E-09	7.42E-11	1.79E-09	1.26E-09	1.09E-09	3.25E-10	4.54E-09
472363.09, 3856377.25	0.00185	6.746E-06	2.34E-09	7.05E-09	5.57E-09	4.82E-09	2.17E-09	7.80E-11	1.88E-09	1.32E-09	1.15E-09	3.42E-10	4.77E-09
472863.09, 3856377.25	0.00196	7.147E-06	2.47E-09	7.47E-09	5.90E-09	5.11E-09	2.30E-09	8.26E-11	2.00E-09	1.40E-09	1.21E-09	3.62E-10	5.06E-09
473363.09, 3856377.25	0.00203	7.403E-06	2.56E-09	7.74E-09	6.11E-09	5.29E-09	2.38E-09	8.56E-11	2.07E-09	1.45E-09	1.26E-09	3.75E-10	5.24E-09
473863.09, 3856377.25	0.00215	7.84E-06	2.71E-09	8.19E-09	6.47E-09	5.60E-09	2.52E-09	9.06E-11	2.19E-09	1.54E-09	1.33E-09	3.97E-10	5.55E-09
474363.09, 3856377.25	0.00207	7.549E-06	2.61E-09	7.89E-09	6.23E-09	5.39E-09	2.42E-09	8.73E-11	2.11E-09	1.48E-09	1.28E-09	3.82E-10	5.34E-09
474863.09, 3856377.25	0.00194	7.075E-06	2.45E-09	7.39E-09	5.84E-09	5.05E-09	2.27E-09	8.18E-11	1.98E-09	1.39E-09	1.20E-09	3.58E-10	5.00E-09
475363.09, 3856377.25	0.00174	6.345E-06	2.20E-09	6.63E-09	5.24E-09	4.53E-09	2.04E-09	7.33E-11	1.77E-09	1.24E-09	1.08E-09	3.22E-10	4.49E-09
475863.09, 3856377.25	0.00159	5.798E-06	2.01E-09	6.06E-09	4.79E-09	4.14E-09	1.86E-09	6.70E-11	1.62E-09	1.14E-09	9.84E-10	2.94E-10	4.10E-09
476363.09, 3856377.25	0.00156	5.689E-06	1.97E-09	5.95E-09	4.70E-09	4.06E-09	1.83E-09	6.58E-11	1.59E-09	1.12E-09	9.66E-10	2.88E-10	4.02E-09
476863.09, 3856377.25	0.00155	5.652E-06	1.96E-09	5.91E-09	4.67E-09	4.04E-09	1.82E-09	6.53E-11	1.58E-09	1.11E-09	9.59E-10	2.86E-10	4.00E-09
477363.09, 3856377.25	0.00155	5.652E-06	1.96E-09	5.91E-09	4.67E-09	4.04E-09	1.82E-09	6.53E-11	1.58E-09	1.11E-09	9.59E-10	2.86E-10	4.00E-09
477863.09, 3856377.25	0.00144	5.251E-06	1.82E-09	5.49E-09	4.34E-09	3.75E-09	1.69E-09	6.07E-11	1.47E-09	1.03E-09	8.91E-10	2.66E-10	3.71E-09
478363.09, 3856377.25	0.00139	5.069E-06	1.75E-09	5.30E-09	4.18E-09	3.62E-09	1.63E-09	5.86E-11	1.42E-09	9.94E-10	8.60E-10	2.57E-10	3.59E-09
478863.09, 3856377.25	0.00159	5.798E-06	2.01E-09	6.06E-09	4.79E-09	4.14E-09	1.86E-09	6.70E-11	1.62E-09	1.14E-09	9.84E-10	2.94E-10	4.10E-09
479363.09, 3856377.25	0.0017	6.199E-06	2.15E-09	6.48E-09	5.12E-09	4.43E-09	1.99E-09	7.17E-11	1.73E-09	1.22E-09	1.05E-09	3.14E-10	4.39E-09
479863.09, 3856377.25	0.00201	7.33E-06	2.54E-09	7.66E-09	6.05E-09	5.24E-09	2.35E-09	8.47E-11	2.05E-09	1.44E-09	1.24E-09	3.71E-10	5.18E-09
480363.09, 3856377.25	0.00251	9.153E-06	3.17E-09	9.57E-09	7.56E-09	6.54E-09	2.94E-09	1.06E-10	2.56E-09	1.80E-09	1.55E-09	4.64E-10	6.47E-09
480863.09, 3856377.25	0.0033	1.203E-05	4.17E-09	1.26E-08	9.94E-09	8.60E-09	3.87E-09	1.39E-10	3.36E-09	2.36E-09	2.04E-09	6.10E-10	8.51E-09
481363.09, 3856377.25	0.00451	1.645E-05	5.69E-09	1.72E-08	1.36E-08	1.17E-08	5.28E-09	1.90E-10	4.59E-09	3.23E-09	2.79E-09	8.33E-10	1.16E-08
481863.09, 3856377.25	0.00659	2.403E-05	8.32E-09	2.51E-08	1.98E-08	1.72E-08	7.72E-09	2.78E-10	6.71E-09	4.71E-09	4.08E-09	1.22E-09	1.70E-08

482363.09, 3856377.25	0.00831	3.03E-05	1.05E-08	3.17E-08	2.50E-08	2.16E-08	9.73E-09	3.50E-10	8.46E-09	5.94E-09	5.14E-09	1.54E-09	2.14E-08
482863.09, 3856377.25	0.00793	2.892E-05	1.00E-08	3.02E-08	2.39E-08	2.07E-08	9.29E-09	3.34E-10	8.07E-09	5.67E-09	4.91E-09	1.47E-09	2.05E-08
483363.09, 3856377.25	0.00766	2.793E-05	9.67E-09	2.92E-08	2.31E-08	2.00E-08	8.97E-09	3.23E-10	7.80E-09	5.48E-09	4.74E-09	1.42E-09	1.98E-08
483863.09, 3856377.25	0.00772	2.815E-05	9.75E-09	2.94E-08	2.32E-08	2.01E-08	9.04E-09	3.25E-10	7.86E-09	5.52E-09	4.78E-09	1.43E-09	1.99E-08
484363.09, 3856377.25	0.00849	3.096E-05	1.07E-08	3.24E-08	2.56E-08	2.21E-08	9.95E-09	3.58E-10	8.64E-09	6.07E-09	5.26E-09	1.57E-09	2.19E-08
484863.09, 3856377.25	0.00885	3.227E-05	1.12E-08	3.37E-08	2.66E-08	2.31E-08	1.04E-08	3.73E-10	9.01E-09	6.33E-09	5.48E-09	1.64E-09	2.28E-08
485363.09, 3856377.25	0.00747	2.724E-05	9.43E-09	2.85E-08	2.25E-08	1.95E-08	8.75E-09	3.15E-10	7.61E-09	5.34E-09	4.62E-09	1.38E-09	1.93E-08
485863.09, 3856377.25	0.00637	2.323E-05	8.04E-09	2.43E-08	1.92E-08	1.66E-08	7.46E-09	2.69E-10	6.49E-09	4.56E-09	3.94E-09	1.18E-09	1.64E-08
486363.09, 3856377.25	0.00471	1.718E-05	5.95E-09	1.80E-08	1.42E-08	1.23E-08	5.52E-09	1.99E-10	4.80E-09	3.37E-09	2.92E-09	8.70E-10	1.21E-08
486863.09, 3856377.25	0.00479	1.747E-05	6.05E-09	1.83E-08	1.44E-08	1.25E-08	5.61E-09	2.02E-10	4.88E-09	3.43E-09	2.96E-09	8.85E-10	1.24E-08
487363.09, 3856377.25	0.00551	2.009E-05	6.96E-09	2.10E-08	1.66E-08	1.44E-08	6.45E-09	2.32E-10	5.61E-09	3.94E-09	3.41E-09	1.02E-09	1.42E-08
487863.09, 3856377.25	0.00643	2.345E-05	8.12E-09	2.45E-08	1.94E-08	1.68E-08	7.53E-09	2.71E-10	6.55E-09	4.60E-09	3.98E-09	1.19E-09	1.66E-08
488363.09, 3856377.25	0.00651	2.374E-05	8.22E-09	2.48E-08	1.96E-08	1.70E-08	7.63E-09	2.74E-10	6.63E-09	4.66E-09	4.03E-09	1.20E-09	1.68E-08
488863.09, 3856377.25	0.00698	2.545E-05	8.81E-09	2.66E-08	2.10E-08	1.82E-08	8.18E-09	2.94E-10	7.11E-09	4.99E-09	4.32E-09	1.29E-09	1.80E-08
489363.09, 3856377.25	0.00747	2.724E-05	9.43E-09	2.85E-08	2.25E-08	1.95E-08	8.75E-09	3.15E-10	7.61E-09	5.34E-09	4.62E-09	1.38E-09	1.93E-08
489863.09, 3856377.25	0.00736	2.684E-05	9.29E-09	2.81E-08	2.22E-08	1.92E-08	8.62E-09	3.10E-10	7.49E-09	5.27E-09	4.56E-09	1.36E-09	1.90E-08
490363.09, 3856377.25	0.00608	2.217E-05	7.68E-09	2.32E-08	1.83E-08	1.58E-08	7.12E-09	2.56E-10	6.19E-09	4.35E-09	3.76E-09	1.12E-09	1.57E-08
490863.09, 3856377.25	0.00508	1.853E-05	6.41E-09	1.94E-08	1.53E-08	1.32E-08	5.95E-09	2.14E-10	5.17E-09	3.63E-09	3.14E-09	9.39E-10	1.31E-08
491363.09, 3856377.25	0.00468	1.707E-05	5.91E-09	1.78E-08	1.41E-08	1.22E-08	5.48E-09	1.97E-10	4.77E-09	3.35E-09	2.90E-09	8.65E-10	1.21E-08
491863.09, 3856377.25	0.00403	1.47E-05	5.09E-09	1.54E-08	1.21E-08	1.05E-08	4.72E-09	1.70E-10	4.10E-09	2.88E-09	2.49E-09	7.45E-10	1.04E-08
492363.09, 3856377.25	0.00344	1.254E-05	4.34E-09	1.31E-08	1.04E-08	8.96E-09	4.03E-09	1.45E-10	3.50E-09	2.46E-09	2.13E-09	6.36E-10	8.87E-09
492863.09, 3856377.25	0.00295	1.076E-05	3.72E-09	1.12E-08	8.88E-09	7.69E-09	3.46E-09	1.24E-10	3.00E-09	2.11E-09	1.83E-09	5.45E-10	7.61E-09
493363.09, 3856377.25	0.00235	8.57E-06	2.97E-09	8.96E-09	7.08E-09	6.12E-09	2.75E-09	9.91E-11	2.39E-09	1.68E-09	1.45E-09	4.34E-10	6.06E-09
493863.09, 3856377.25	0.00209	7.622E-06	2.64E-09	7.97E-09	6.29E-09	5.44E-09	2.45E-09	8.81E-11	2.13E-09	1.50E-09	1.29E-09	3.86E-10	5.39E-09
494363.09, 3856377.25	0.00176	6.418E-06	2.22E-09	6.71E-09	5.30E-09	4.59E-09	2.06E-09	7.42E-11	1.79E-09	1.26E-09	1.09E-09	3.25E-10	4.54E-09
494863.09, 3856377.25	0.00152	5.543E-06	1.92E-09	5.79E-09	4.58E-09	3.96E-09	1.78E-09	6.41E-11	1.55E-09	1.09E-09	9.41E-10	2.81E-10	3.92E-09
495363.09, 3856377.25	0.00135	4.923E-06	1.70E-09	5.15E-09	4.06E-09	3.52E-09	1.58E-09	5.69E-11	1.37E-09	9.66E-10	8.36E-10	2.49E-10	3.48E-09
495863.09, 3856377.25	0.0013	4.741E-06	1.64E-09	4.95E-09	3.91E-09	3.39E-09	1.52E-09	5.48E-11	1.32E-09	9.30E-10	8.05E-10	2.40E-10	3.35E-09
496363.09, 3856377.25	0.00133	4.85E-06	1.68E-09	5.07E-09	4.00E-09	3.46E-09	1.56E-09	5.61E-11	1.35E-09	9.51E-10	8.23E-10	2.46E-10	3.43E-09
496863.09, 3856377.25	0.00142	5.178E-06	1.79E-09	5.41E-09	4.28E-09	3.70E-09	1.66E-09	5.99E-11	1.45E-09	1.02E-09	8.79E-10	2.62E-10	3.66E-09
497363.09, 3856377.25	0.00155	5.652E-06	1.96E-09	5.91E-09	4.67E-09	4.04E-09	1.82E-09	6.53E-11	1.58E-09	1.11E-09	9.59E-10	2.86E-10	4.00E-09
497863.09, 3856377.25	0.00176	6.418E-06	2.22E-09	6.71E-09	5.30E-09	4.59E-09	2.06E-09	7.42E-11	1.79E-09	1.26E-09	1.09E-09	3.25E-10	4.54E-09
498363.09, 3856377.25	0.00213	7.767E-06	2.69E-09	8.12E-09	6.41E-09	5.55E-09	2.50E-09	8.98E-11	2.17E-09	1.52E-09	1.32E-09	3.94E-10	5.49E-09
471363.09, 3856877.25	0.00167	6.09E-06	2.11E-09	6.37E-09	5.03E-09	4.35E-09	1.96E-09	7.04E-11	1.70E-09	1.19E-09	1.03E-09	3.09E-10	4.31E-09
471863.09, 3856877.25	0.00171	6.236E-06	2.16E-09	6.52E-09	5.15E-09	4.45E-09	2.00E-09	7.21E-11	1.74E-09	1.22E-09	1.06E-09	3.16E-10	4.41E-09
472363.09, 3856877.25	0.00181	6.6E-06	2.28E-09	6.90E-09	5.45E-09	4.72E-09	2.12E-09	7.63E-11	1.84E-09	1.29E-09	1.12E-09	3.34E-10	4.67E-09
472863.09, 3856877.25	0.0019	6.929E-06	2.40E-09	7.24E-09	5.72E-09	4.95E-09	2.23E-09	8.01E-11	1.93E-09	1.36E-09	1.18E-09	3.51E-10	4.90E-09
473363.09, 3856877.25	0.00209	7.622E-06	2.64E-09	7.97E-09	6.29E-09	5.44E-09	2.45E-09	8.81E-11	2.13E-09	1.50E-09	1.29E-09	3.86E-10	5.39E-09
473863.09, 3856877.25	0.0022	8.023E-06	2.78E-09	8.39E-09	6.62E-09	5.73E-09	2.58E-09	9.27E-11	2.24E-09	1.57E-09	1.36E-09	4.06E-10	5.67E-09
474363.09, 3856877.25	0.00214	7.804E-06	2.70E-09	8.16E-09	6.44E-09	5.57E-09	2.51E-09	9.02E-11	2.18E-09	1.53E-09	1.32E-09	3.95E-10	5.52E-09
474863.09, 3856877.25	0.00202	7.366E-06	2.55E-09	7.70E-09	6.08E-09	5.26E-09	2.37E-09	8.51E-11	2.06E-09	1.45E-09	1.25E-09	3.73E-10	5.21E-09
475363.09, 3856877.25	0.00189	6.892E-06	2.39E-09	7.20E-09	5.69E-09	4.92E-09	2.21E-09	7.97E-11	1.92E-09	1.35E-09	1.17E-09	3.49E-10	4.88E-09
475863.09, 3856877.25	0.00185	6.746E-06	2.34E-09	7.05E-09	5.57E-09	4.82E-09	2.17E-09	7.80E-11	1.88E-09	1.32E-09	1.15E-09	3.42E-10	4.77E-09
476363.09, 3856877.25	0.00178	6.491E-06	2.25E-09	6.78E-09	5.36E-09	4.64E-09	2.09E-09	7.50E-11	1.81E-09	1.27E-09	1.10E-09	3.29E-10	4.59E-09
476863.09, 3856877.25	0.00179	6.528E-06	2.26E-09	6.82E-09	5.39E-09	4.66E-09	2.10E-09	7.55E-11	1.82E-09	1.28E-09	1.11E-09	3.31E-10	4.62E-09
477363.09, 3856877.25	0.00175	6.382E-06	2.21E-09	6.67E-09	5.27E-09	4.56E-09	2.05E-09	7.38E-11	1.78E-09	1.25E-09	1.08E-09	3.23E-10	4.51E-09
477863.09, 3856877.25	0.0016	5.835E-06	2.02E-09	6.10E-09	4.82E-09	4.17E-09	1.87E-09	6.74E-11	1.63E-09	1.14E-09	9.90E-10	2.96E-10	4.13E-09
478363.09, 3856877.25	0.00153	5.579E-06	1.93E-09	5.83E-09	4.61E-09	3.99E-09	1.79E-09	6.45E-11	1.56E-09	1.09E-09	9.47E-10	2.83E-10	3.95E-09
478863.09, 3856877.25	0.00161	5.871E-06	2.03E-09	6.14E-09	4.85E-09	4.19E-09	1.89E-09	6.79E-11	1.64E-09	1.15E-09	9.97E-10	2.97E-10	4.15E-09
479363.09, 3856877.25	0.00169	6.163E-06	2.13E-09	6.44E-09	5.09E-09	4.40E-09	1.98E-09	7.12E-11	1.72E-09	1.21E-09	1.05E-09	3.12E-10	4.36E-09
479863.09, 3856877.25	0.00212	7.731E-06	2.68E-09	8.08E-09	6.38E-09	5.52E-09	2.48E-09	8.94E-11	2.16E-09	1.52E-09	1.31E-09	3.92E-10	5.47E-09
480363.09, 3856877.25	0.00242	8.825E-06	3.05E-09	9.22E-09	7.29E-09	6.30E-09	2.83E-09	1.02E-10	2.46E-09	1.73E-09	1.50E-09	4.47E-10	6.24E-09
480863.09, 3856877.25	0.00289	1.054E-05	3.65E-09	1.10E-08	8.70E-09	7.53E-09	3.39E-09	1.22E-10	2.94E-09	2.07E-09	1.79E-09	5.34E-10	7.45E-09
481363.09, 3856877.25	0.00364	1.327E-05	4.59E-09	1.39E-08	1.10E-08	9.48E-09	4.26E-09	1.53E-10	3.71E-09	2.60E-09	2.25E-09	6.73E-10	9.39E-09
481863.09, 3856877.25	0.00466	1.699E-05	5.88E-09	1.78E-08	1.40E-08	1.21E-08	5.46E-09	1.96E-10	4.74E-09	3.33E-09	2.88E-09	8.61E-10	1.20E-08
482363.09, 3856877.25	0.00781	2.848E-05	9.86E-09	2.98E-08	2.35E-08	2.03E-08	9.15E-09	3.29E-10	7.95E-09	5.59E-09	4.83E-09	1.44E-09	2.01E-08
482863.09, 3856877.25	0.00946	3.45E-05	1.19E-08	3.61E-08	2.85E-08	2.46E-08	1.11E-08	3.99E-10	9.63E-09	6.77E-09	5.86E-09	1.75E-09	2.44E-08
483363.09, 3856877.25	0.00992	3.617E-05	1.25E-08	3.78E-08	2.99E-08	2.58E-08	1.16E-08	4.18E-10	1.01E-08	7.10E-09	6.14E-09	1.83E-09	2.56E-08
483863.09, 3856877.25	0.00961	3.504E-05	1.21E-08	3.66E-08	2.89E-08	2.50E-08	1.13E-08	4.05E-10	9.79E-09	6.87E-09	5.95E-09	1.78E-09	2.48E-08
484363.09, 3856877.25	0.00908	3.311E-05	1.15E-08	3.46E-08	2.73E-08	2.37E-08	1.06E-08	3.83E-10	9.25E-09	6.50E-09	5.62E-09	1.68E-09	2.34E-08
484863.09, 3856877.25	0.00938	3.421E-05	1.18E-08	3.58E-08	2.82E-08	2.44E-08	1.10E-08	3.95E-10	9.55E-09	6.71E-09	5.81E-09	1.73E-09	2.42E-08
485363.09, 3856877.25	0.00913	3.329E-05	1.15E-08	3.48E-08	2.75E-08	2.38E-08	1.07E-08	3.85E-10	9.30E-09	6.53E-09	5.65E-09	1.69E-09	2.36E-08
485863.09, 3856877.25	0.0085	3.1E-05	1.07E-08	3.24E-08	2.56E-08	2.21E-08	9.96E-09	3.58E-10	8.65E-09	6.08E-09	5.26E-09	1.57E-09	2.19E-08
486363.09, 3856877.25	0.00556	2.028E-05	7.02E-09	2.12E-08	1.67E-08	1.45E-08	6.51E-09	2.34E-10	5.66E-09	3.98E-09	3.44E-09	1.03E-09	1.43E-08
486863.09, 3856877.25	0.00591	2.155E-05	7.46E-09	2.25E-08	1.78E-08	1.54E-08	6.92E-09	2.49E-10	6.02E-09	4.23E-09	3.66E-09	1.09E-09	1.52E-08
487363.09, 3856877.25	0.00631	2.301E-05	7.97E-09	2.41E-08	1.90E-08	1.64E-08	7.39E-09	2.66E-10	6.42E-09	4.51E-09	3.91E-09	1.17E-09	1.63E-08
487863.09, 3856877.25	0.00707	2.578E-05	8.92E-09	2.69E-08	2.13E-08	1.84E-08	8.28E-09	2.98E-10	7.20E-09	5.06E-09	4.38E-09	1.31E-09	1.82E-08
488363.09, 3856877.25	0.00858	3.129E-05	1.08E-08	3.27E-08	2.58E-08	2.24E-08	1.01E-08	3.62E-10	8.74E-09	6.14E-09	5.31E-09	1.59E-09	2.21E-08
488863.09, 3856877.25	0.00895	3.264E-05	1.13E-08	3.41E-08	2.69E-08	2.33E-08	1.05E-08	3.77E-10	9.11E-09	6.40E-09	5.54E-09	1.65E-09	2.31E-08
489363.09, 3856877.25	0.00936	3.413E-05	1.18E-08	3.57E-08	2.82E-08	2.44E-08	1.10E-08	3.95E-10	9.53E-09	6.70E-09	5.79E-09	1.73E-09	2.41E-08
489863.09, 3856877.25	0.00944	3.442E-05	1.19E-08	3.60E-08	2.84E-08	2.46E-08	1.11E-08	3.98E-10	9.61E-09	6.75E-09	5.84E-09	1.74E-09	2.44E-08
490363.09, 3856877.25	0.00854	3.114E-05	1.08E-08	3.26E-08	2.57E-08	2.22E-08	1.00E-08	3.60E-10	8.70E-09	6.11E-09	5.29E-09	1.58E-09	2.20E-08
490863.09, 3856877.25	0.00694	2.531E-05	8.76E-09	2.65E-08	2.09E-08	1.81E-08	8.13E-09	2.93E-10	7.07E-09	4.96E-09	4.30E-09	1.28E-09	1.79E-08
491363.09, 3856877.25	0.0057	2.079E-05	7.20E-09	2.17E-08	1.72E-08	1.48E-08	6.68E-09	2.40E-10	5.80E-09	4.08E-09	3.53E-09	1.05E-09	1.47E-08
491863.09, 3856877.25	0.00499	1.82E-05	6.30E-09	1.90E-08	1.50E-08	1.30E-08	5.85E-09	2.10E-10	5.08E-09	3.57E-09	3.09E-09	9.22E-10	1.29E-08
492363.09, 3856877.25	0.00356	1.298E-05	4.49E-09	1.36E-08	1.07E-08	9.27E-09	4.17E-09	1.50E-10	3.62E-09	2.55E-09	2.20E-09	6.58E-10	9.18E-09
492863.09, 3856877.25	0.00312	1.138E-05	3.94E-09	1.19E-08	9.39E-09	8.13E-09	3.65E-09	1.32E-10	3.18E-09	2.23E-09	1.93E-09	5.76E-10	8.05E-09
493363.09, 3856877.25	0.0027	9.846E-06	3.41E-09	1.03E-08	8.13E-09	7.03E-09	3.16E-09	1.14E-10	2.75E-09	1.93E-09	1.67E-09	4.99E-10	6.96E-09
493863.09, 3856877.25	0.00229	8.351E-06	2.89E-09	8.73E-09	6.89E-09	5.97E-09	2.68E-09	9.65E-11	2.33E-09	1.64E-09	1.42E-09	4.23E-10	5.91E-09
494363.09, 3856877.25	0.00193	7.038E-06	2.44E-09	7.36E-09	5.81E-09	5.03E-09	2.26E-09	8.14E-11	1.97E-09	1.38E-09	1.19E-09	3.57E-10	4.98E-09

494863.09, 3856877.25	0.00176	6.418E-06	2.22E-09	6.71E-09	5.30E-09	4.59E-09	2.06E-09	7.42E-11	1.79E-09	1.26E-09	1.09E-09	3.25E-10	4.54E-09
495363.09, 3856877.25	0.00165	6.017E-06	2.08E-09	6.29E-09	4.97E-09	4.30E-09	1.93E-09	6.96E-11	1.68E-09	1.18E-09	1.02E-09	3.05E-10	4.26E-09
495863.09, 3856877.25	0.00161	5.871E-06	2.03E-09	6.14E-09	4.85E-09	4.19E-09	1.89E-09	6.79E-11	1.64E-09	1.15E-09	9.97E-10	2.97E-10	4.15E-09
496363.09, 3856877.25	0.00165	6.017E-06	2.08E-09	6.29E-09	4.97E-09	4.30E-09	1.93E-09	6.96E-11	1.68E-09	1.18E-09	1.02E-09	3.05E-10	4.26E-09
496863.09, 3856877.25	0.00177	6.455E-06	2.23E-09	6.75E-09	5.33E-09	4.61E-09	2.07E-09	7.46E-11	1.80E-09	1.27E-09	1.10E-09	3.27E-10	4.57E-09
497363.09, 3856877.25	0.00194	7.075E-06	2.45E-09	7.39E-09	5.84E-09	5.05E-09	2.27E-09	8.18E-11	1.98E-09	1.39E-09	1.20E-09	3.58E-10	5.00E-09
497863.09, 3856877.25	0.00233	8.497E-06	2.94E-09	8.88E-09	7.02E-09	6.07E-09	2.73E-09	9.82E-11	2.37E-09	1.67E-09	1.44E-09	4.31E-10	6.01E-09
498363.09, 3856877.25	0.00291	1.061E-05	3.67E-09	1.11E-08	8.76E-09	7.58E-09	3.41E-09	1.23E-10	2.96E-09	2.08E-09	1.80E-09	5.38E-10	7.51E-09
471363.09, 3857377.25	0.00148	5.397E-06	1.87E-09	5.64E-09	4.46E-09	3.86E-09	1.73E-09	6.24E-11	1.51E-09	1.06E-09	9.16E-10	2.73E-10	3.82E-09
471863.09, 3857377.25	0.00155	5.652E-06	1.96E-09	5.91E-09	4.67E-09	4.04E-09	1.82E-09	6.53E-11	1.58E-09	1.11E-09	9.59E-10	2.86E-10	4.00E-09
472363.09, 3857377.25	0.00166	6.053E-06	2.10E-09	6.33E-09	5.00E-09	4.32E-09	1.94E-09	7.00E-11	1.69E-09	1.19E-09	1.03E-09	3.07E-10	4.28E-09
472863.09, 3857377.25	0.00179	6.528E-06	2.26E-09	6.82E-09	5.39E-09	4.66E-09	2.10E-09	7.55E-11	1.82E-09	1.28E-09	1.11E-09	3.31E-10	4.62E-09
473363.09, 3857377.25	0.00195	7.111E-06	2.46E-09	7.43E-09	5.87E-09	5.08E-09	2.28E-09	8.22E-11	1.99E-09	1.39E-09	1.21E-09	3.60E-10	5.03E-09
473863.09, 3857377.25	0.00215	7.84E-06	2.71E-09	8.19E-09	6.47E-09	5.60E-09	2.52E-09	9.06E-11	2.19E-09	1.54E-09	1.33E-09	3.97E-10	5.55E-09
474363.09, 3857377.25	0.00203	7.403E-06	2.56E-09	7.74E-09	6.11E-09	5.29E-09	2.38E-09	8.56E-11	2.07E-09	1.45E-09	1.26E-09	3.75E-10	5.24E-09
474863.09, 3857377.25	0.00177	6.455E-06	2.23E-09	6.75E-09	5.33E-09	4.61E-09	2.07E-09	7.46E-11	1.80E-09	1.27E-09	1.10E-09	3.27E-10	4.57E-09
475363.09, 3857377.25	0.00159	5.798E-06	2.01E-09	6.06E-09	4.79E-09	4.14E-09	1.86E-09	6.70E-11	1.62E-09	1.14E-09	9.84E-10	2.94E-10	4.10E-09
475863.09, 3857377.25	0.00159	5.798E-06	2.01E-09	6.06E-09	4.79E-09	4.14E-09	1.86E-09	6.70E-11	1.62E-09	1.14E-09	9.84E-10	2.94E-10	4.10E-09
476363.09, 3857377.25	0.00177	6.455E-06	2.23E-09	6.75E-09	5.33E-09	4.61E-09	2.07E-09	7.46E-11	1.80E-09	1.27E-09	1.10E-09	3.27E-10	4.57E-09
476863.09, 3857377.25	0.00186	6.783E-06	2.35E-09	7.09E-09	5.60E-09	4.85E-09	2.18E-09	7.84E-11	1.89E-09	1.33E-09	1.15E-09	3.44E-10	4.80E-09
477363.09, 3857377.25	0.00179	6.528E-06	2.26E-09	6.82E-09	5.39E-09	4.66E-09	2.10E-09	7.55E-11	1.82E-09	1.28E-09	1.11E-09	3.31E-10	4.62E-09
477863.09, 3857377.25	0.00169	6.163E-06	2.13E-09	6.44E-09	5.09E-09	4.40E-09	1.98E-09	7.12E-11	1.72E-09	1.21E-09	1.05E-09	3.12E-10	4.36E-09
478363.09, 3857377.25	0.00161	5.871E-06	2.03E-09	6.14E-09	4.85E-09	4.19E-09	1.89E-09	6.79E-11	1.64E-09	1.15E-09	9.97E-10	2.97E-10	4.15E-09
478863.09, 3857377.25	0.00158	5.762E-06	1.99E-09	6.02E-09	4.76E-09	4.12E-09	1.85E-09	6.66E-11	1.61E-09	1.13E-09	9.78E-10	2.92E-10	4.08E-09
479363.09, 3857377.25	0.0018	6.564E-06	2.27E-09	6.86E-09	5.42E-09	4.69E-09	2.11E-09	7.59E-11	1.83E-09	1.29E-09	1.11E-09	3.33E-10	4.64E-09
479863.09, 3857377.25	0.0024	8.752E-06	3.03E-09	9.15E-09	7.23E-09	6.25E-09	2.81E-09	1.01E-10	2.44E-09	1.72E-09	1.49E-09	4.43E-10	6.19E-09
480363.09, 3857377.25	0.00217	7.913E-06	2.74E-09	8.27E-09	6.53E-09	5.65E-09	2.54E-09	9.15E-11	2.21E-09	1.55E-09	1.34E-09	4.01E-10	5.60E-09
480863.09, 3857377.25	0.00356	1.298E-05	4.49E-09	1.36E-08	1.07E-08	9.27E-09	4.17E-09	1.50E-10	3.62E-09	2.55E-09	2.20E-09	6.58E-10	9.18E-09
481363.09, 3857377.25	0.0035	1.276E-05	4.42E-09	1.33E-08	1.05E-08	9.12E-09	4.10E-09	1.48E-10	3.56E-09	2.50E-09	2.17E-09	6.47E-10	9.03E-09
481863.09, 3857377.25	0.00377	1.375E-05	4.76E-09	1.44E-08	1.14E-08	9.82E-09	4.42E-09	1.59E-10	3.84E-09	2.70E-09	2.33E-09	6.97E-10	9.72E-09
482363.09, 3857377.25	0.0052	1.896E-05	6.56E-09	1.98E-08	1.57E-08	1.35E-08	6.09E-09	2.19E-10	5.29E-09	3.72E-09	3.22E-09	9.61E-10	1.34E-08
482863.09, 3857377.25	0.00684	2.494E-05	8.63E-09	2.61E-08	2.06E-08	1.78E-08	8.01E-09	2.88E-10	6.96E-09	4.89E-09	4.23E-09	1.26E-09	1.76E-08
483363.09, 3857377.25	0.00871	3.176E-05	1.10E-08	3.32E-08	2.62E-08	2.27E-08	1.02E-08	3.67E-10	8.87E-09	6.23E-09	5.39E-09	1.61E-09	2.25E-08
483863.09, 3857377.25	0.01049	3.825E-05	1.32E-08	4.00E-08	3.16E-08	2.73E-08	1.23E-08	4.42E-10	1.07E-08	7.50E-09	6.49E-09	1.94E-09	2.71E-08
484363.09, 3857377.25	0.01164	4.245E-05	1.47E-08	4.44E-08	3.50E-08	3.03E-08	1.36E-08	4.91E-10	1.19E-08	8.33E-09	7.20E-09	2.15E-09	3.00E-08
484863.09, 3857377.25	0.01169	4.263E-05	1.48E-08	4.46E-08	3.52E-08	3.05E-08	1.37E-08	4.93E-10	1.19E-08	8.36E-09	7.24E-09	2.16E-09	3.02E-08
485363.09, 3857377.25	0.01138	4.15E-05	1.44E-08	4.34E-08	3.43E-08	2.96E-08	1.33E-08	4.80E-10	1.16E-08	8.14E-09	7.04E-09	2.10E-09	2.94E-08
485863.09, 3857377.25	0.01156	4.216E-05	1.46E-08	4.41E-08	3.48E-08	3.01E-08	1.35E-08	4.87E-10	1.18E-08	8.27E-09	7.16E-09	2.14E-09	2.98E-08
486363.09, 3857377.25	0.0088	3.209E-05	1.11E-08	3.35E-08	2.65E-08	2.29E-08	1.03E-08	3.71E-10	8.96E-09	6.30E-09	5.45E-09	1.63E-09	2.27E-08
486863.09, 3857377.25	0.00681	2.483E-05	8.60E-09	2.60E-08	2.05E-08	1.77E-08	7.98E-09	2.87E-10	6.93E-09	4.87E-09	4.22E-09	1.26E-09	1.76E-08
487363.09, 3857377.25	0.00776	2.83E-05	9.80E-09	2.96E-08	2.34E-08	2.02E-08	9.09E-09	3.27E-10	7.90E-09	5.55E-09	4.80E-09	1.43E-09	2.00E-08
487863.09, 3857377.25	0.00883	3.22E-05	1.11E-08	3.37E-08	2.66E-08	2.30E-08	1.03E-08	3.72E-10	8.99E-09	6.32E-09	5.47E-09	1.63E-09	2.28E-08
488363.09, 3857377.25	0.00962	3.508E-05	1.21E-08	3.67E-08	2.90E-08	2.51E-08	1.13E-08	4.06E-10	9.80E-09	6.88E-09	5.95E-09	1.78E-09	2.48E-08
488863.09, 3857377.25	0.01101	4.015E-05	1.39E-08	4.20E-08	3.31E-08	2.87E-08	1.29E-08	4.64E-10	1.12E-08	7.88E-09	6.81E-09	2.03E-09	2.84E-08
489363.09, 3857377.25	0.0119	4.34E-05	1.50E-08	4.54E-08	3.58E-08	3.10E-08	1.39E-08	5.02E-10	1.21E-08	8.51E-09	7.37E-09	2.20E-09	3.07E-08
489863.09, 3857377.25	0.01094	3.989E-05	1.38E-08	4.17E-08	3.29E-08	2.85E-08	1.28E-08	4.61E-10	1.11E-08	7.83E-09	6.77E-09	2.02E-09	2.82E-08
490363.09, 3857377.25	0.01016	3.705E-05	1.28E-08	3.87E-08	3.06E-08	2.65E-08	1.19E-08	4.28E-10	1.03E-08	7.27E-09	6.29E-09	1.88E-09	2.62E-08
490863.09, 3857377.25	0.00956	3.486E-05	1.21E-08	3.64E-08	2.88E-08	2.49E-08	1.12E-08	4.03E-10	9.73E-09	6.84E-09	5.92E-09	1.77E-09	2.47E-08
491363.09, 3857377.25	0.00793	2.892E-05	1.00E-08	3.02E-08	2.39E-08	2.07E-08	9.29E-09	3.34E-10	8.07E-09	5.67E-09	4.91E-09	1.47E-09	2.05E-08
491863.09, 3857377.25	0.00591	2.155E-05	7.46E-09	2.25E-08	1.78E-08	1.54E-08	6.92E-09	2.49E-10	6.02E-09	4.23E-09	3.66E-09	1.09E-09	1.52E-08
492363.09, 3857377.25	0.00403	1.47E-05	5.09E-09	1.54E-08	1.21E-08	1.05E-08	4.72E-09	1.70E-10	4.10E-09	2.88E-09	2.49E-09	7.45E-10	1.04E-08
492863.09, 3857377.25	0.00334	1.218E-05	4.22E-09	1.27E-08	1.01E-08	8.70E-09	3.91E-09	1.41E-10	3.40E-09	2.39E-09	2.07E-09	6.17E-10	8.62E-09
493363.09, 3857377.25	0.00284	1.036E-05	3.59E-09	1.08E-08	8.55E-09	7.40E-09	3.33E-09	1.20E-10	2.89E-09	2.03E-09	1.76E-09	5.25E-10	7.33E-09
493863.09, 3857377.25	0.00262	9.554E-06	3.31E-09	9.99E-09	7.89E-09	6.83E-09	3.07E-09	1.10E-10	2.67E-09	1.87E-09	1.62E-09	4.84E-10	6.76E-09
494363.09, 3857377.25	0.00236	8.606E-06	2.98E-09	9.00E-09	7.11E-09	6.15E-09	2.76E-09	9.95E-11	2.40E-09	1.69E-09	1.46E-09	4.36E-10	6.09E-09
494863.09, 3857377.25	0.00221	8.059E-06	2.79E-09	8.42E-09	6.65E-09	5.76E-09	2.59E-09	9.32E-11	2.25E-09	1.58E-09	1.37E-09	4.08E-10	5.70E-09
495363.09, 3857377.25	0.00213	7.767E-06	2.69E-09	8.12E-09	6.41E-09	5.55E-09	2.50E-09	8.98E-11	2.17E-09	1.52E-09	1.32E-09	3.94E-10	5.49E-09
495863.09, 3857377.25	0.0021	7.658E-06	2.65E-09	8.00E-09	6.32E-09	5.47E-09	2.46E-09	8.85E-11	2.14E-09	1.50E-09	1.30E-09	3.88E-10	5.42E-09
496363.09, 3857377.25	0.00219	7.986E-06	2.76E-09	8.35E-09	6.59E-09	5.71E-09	2.57E-09	9.23E-11	2.23E-09	1.57E-09	1.36E-09	4.05E-10	5.65E-09
496863.09, 3857377.25	0.00233	8.497E-06	2.94E-09	8.88E-09	7.02E-09	6.07E-09	2.73E-09	9.82E-11	2.37E-09	1.67E-09	1.44E-09	4.31E-10	6.01E-09
497363.09, 3857377.25	0.00263	9.591E-06	3.32E-09	1.00E-08	7.92E-09	6.85E-09	3.08E-09	1.11E-10	2.68E-09	1.88E-09	1.63E-09	4.86E-10	6.78E-09
497863.09, 3857377.25	0.0032	1.167E-05	4.04E-09	1.22E-08	9.63E-09	8.34E-09	3.75E-09	1.35E-10	3.26E-09	2.29E-09	1.98E-09	5.91E-10	8.25E-09
498363.09, 3857377.25	0.00417	1.521E-05	5.26E-09	1.59E-08	1.26E-08	1.09E-08	4.88E-09	1.76E-10	4.25E-09	2.98E-09	2.58E-09	7.70E-10	1.08E-08
471363.09, 3857877.25	0.00137	4.996E-06	1.73E-09	5.22E-09	4.12E-09	3.57E-09	1.60E-09	5.78E-11	1.39E-09	9.80E-10	8.48E-10	2.53E-10	3.53E-09
471863.09, 3857877.25	0.00138	5.032E-06	1.74E-09	5.26E-09	4.15E-09	3.60E-09	1.62E-09	5.82E-11	1.41E-09	9.87E-10	8.54E-10	2.55E-10	3.56E-09
472363.09, 3857877.25	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
472863.09, 3857877.25	0.00154	5.616E-06	1.94E-09	5.87E-09	4.64E-09	4.01E-09	1.80E-09	6.49E-11	1.57E-09	1.10E-09	9.53E-10	2.85E-10	3.97E-09
473363.09, 3857877.25	0.00164	5.981E-06	2.07E-09	6.25E-09	4.94E-09	4.27E-09	1.92E-09	6.91E-11	1.67E-09	1.17E-09	1.02E-09	3.03E-10	4.23E-09
473863.09, 3857877.25	0.0018	6.564E-06	2.27E-09	6.86E-09	5.42E-09	4.69E-09	2.11E-09	7.59E-11	1.83E-09	1.29E-09	1.11E-09	3.33E-10	4.64E-09
474363.09, 3857877.25	0.00171	6.236E-06	2.16E-09	6.52E-09	5.15E-09	4.45E-09	2.00E-09	7.21E-11	1.74E-09	1.22E-09	1.06E-09	3.16E-10	4.41E-09
474863.09, 3857877.25	0.00158	5.762E-06	1.99E-09	6.02E-09	4.76E-09	4.12E-09	1.85E-09	6.66E-11	1.61E-09	1.13E-09	9.78E-10	2.92E-10	4.08E-09
475363.09, 3857877.25	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
475863.09, 3857877.25	0.00119	4.34E-06	1.50E-09	4.54E-09	3.58E-09	3.10E-09	1.39E-09	5.02E-11	1.21E-09	8.51E-10	7.37E-10	2.20E-10	3.07E-09
476363.09, 3857877.25	0.00157	5.725E-06	1.98E-09	5.98E-09	4.73E-09	4.09E-09	1.84E-09	6.62E-11	1.60E-09	1.12E-09	9.72E-10	2.90E-10	4.05E-09
476863.09, 3857877.25	0.00172	6.272E-06	2.17E-09	6.56E-09	5.18E-09	4.48E-09	2.01E-09	7.25E-11	1.75E-09	1.23E-09	1.06E-09	3.18E-10	4.44E-09
477363.09, 3857877.25	0.00174	6.345E-06	2.20E-09	6.63E-09	5.24E-09	4.53E-09	2.04E-09	7.33E-11	1.77E-09	1.24E-09	1.08E-09	3.22E-10	4.49E-09
477863.09, 3857877.25	0.00176	6.418E-06	2.22E-09	6.71E-09	5.30E-09	4.59E-09	2.06E-09	7.42E-11	1.79E-09	1.26E-09	1.09E-09	3.25E-10	4.54E-09
478363.09, 3857877.25	0.00152	5.543E-06	1.92E-09	5.79E-09	4.58E-09	3.96E-09	1.78E-09	6.41E-11	1.55E-09	1.09E-09	9.41E-10	2.81E-10	3.92E-09
478863.09, 3857877.25	0.00147	5.361E-06	1.86E-09	5.60E-09	4.43E-09	3.83E-09	1.72E-09	6.20E-11	1.50E-09	1.05E-09	9.10E-10	2.72E-10	3.79E-09
479363.09, 3857877.25	0.00247	9.007E-06	3.12E-09	9.41E-09	7.44E-09	6.43E-09	2.89E-09	1.04E-10	2.52E-09	1.77E-09	1.53E-09	4.56E-10	6.37E-09

479863.09, 3857877.25	0.00329	1.2E-05	4.15E-09	1.25E-08	9.91E-09	8.57E-09	3.85E-09	1.39E-10	3.35E-09	2.35E-09	2.04E-09	6.08E-10	8.49E-09
480363.09, 3857877.25	0.00375	1.367E-05	4.73E-09	1.43E-08	1.13E-08	9.77E-09	4.39E-09	1.58E-10	3.82E-09	2.68E-09	2.32E-09	6.93E-10	9.67E-09
480863.09, 3857877.25	0.00395	1.44E-05	4.99E-09	1.51E-08	1.19E-08	1.03E-08	4.63E-09	1.67E-10	4.02E-09	2.83E-09	2.44E-09	7.30E-10	1.02E-08
481363.09, 3857877.25	0.00414	1.51E-05	5.23E-09	1.58E-08	1.25E-08	1.08E-08	4.85E-09	1.75E-10	4.22E-09	2.96E-09	2.56E-09	7.65E-10	1.07E-08
481863.09, 3857877.25	0.00454	1.656E-05	5.73E-09	1.73E-08	1.37E-08	1.18E-08	5.32E-09	1.91E-10	4.62E-09	3.25E-09	2.81E-09	8.39E-10	1.17E-08
482363.09, 3857877.25	0.00556	2.028E-05	7.02E-09	2.12E-08	1.67E-08	1.45E-08	6.51E-09	2.34E-10	5.66E-09	3.98E-09	3.44E-09	1.03E-09	1.43E-08
482863.09, 3857877.25	0.00747	2.724E-05	9.43E-09	2.85E-08	2.25E-08	1.95E-08	8.75E-09	3.15E-10	7.61E-09	5.34E-09	4.62E-09	1.38E-09	1.93E-08
483363.09, 3857877.25	0.00751	2.739E-05	9.48E-09	2.86E-08	2.26E-08	1.96E-08	8.80E-09	3.17E-10	7.65E-09	5.37E-09	4.65E-09	1.39E-09	1.94E-08
483863.09, 3857877.25	0.0078	2.844E-05	9.85E-09	2.97E-08	2.35E-08	2.03E-08	9.14E-09	3.29E-10	7.94E-09	5.58E-09	4.83E-09	1.44E-09	2.01E-08
484363.09, 3857877.25	0.00925	3.373E-05	1.17E-08	3.53E-08	2.78E-08	2.41E-08	1.08E-08	3.90E-10	9.42E-09	6.62E-09	5.73E-09	1.71E-09	2.39E-08
484863.09, 3857877.25	0.01142	4.164E-05	1.44E-08	4.35E-08	3.44E-08	2.98E-08	1.34E-08	4.81E-10	1.16E-08	8.17E-09	7.07E-09	2.11E-09	2.95E-08
485363.09, 3857877.25	0.01342	4.894E-05	1.69E-08	5.12E-08	4.04E-08	3.50E-08	1.57E-08	5.66E-10	1.37E-08	9.60E-09	8.31E-09	2.48E-09	3.46E-08
485863.09, 3857877.25	0.01412	5.149E-05	1.78E-08	5.38E-08	4.25E-08	3.68E-08	1.65E-08	5.95E-10	1.44E-08	1.01E-08	8.74E-09	2.61E-09	3.64E-08
486363.09, 3857877.25	0.01388	5.062E-05	1.75E-08	5.29E-08	4.18E-08	3.62E-08	1.63E-08	5.85E-10	1.41E-08	9.93E-09	8.59E-09	2.56E-09	3.58E-08
486863.09, 3857877.25	0.01317	4.803E-05	1.66E-08	5.02E-08	3.97E-08	3.43E-08	1.54E-08	5.55E-10	1.34E-08	9.42E-09	8.15E-09	2.43E-09	3.40E-08
487363.09, 3857877.25	0.01132	4.128E-05	1.43E-08	4.31E-08	3.41E-08	2.95E-08	1.33E-08	4.77E-10	1.15E-08	8.10E-09	7.01E-09	2.09E-09	2.92E-08
487863.09, 3857877.25	0.01097	4E-05	1.38E-08	4.18E-08	3.30E-08	2.86E-08	1.29E-08	4.62E-10	1.12E-08	7.85E-09	6.79E-09	2.03E-09	2.83E-08
488363.09, 3857877.25	0.01212	4.42E-05	1.53E-08	4.62E-08	3.65E-08	3.16E-08	1.42E-08	5.11E-10	1.23E-08	8.67E-09	7.50E-09	2.24E-09	3.13E-08
488863.09, 3857877.25	0.01324	4.828E-05	1.67E-08	5.05E-08	3.99E-08	3.45E-08	1.55E-08	5.58E-10	1.35E-08	9.47E-09	8.20E-09	2.45E-09	3.42E-08
489363.09, 3857877.25	0.01276	4.653E-05	1.61E-08	4.86E-08	3.84E-08	3.32E-08	1.49E-08	5.38E-10	1.30E-08	9.13E-09	7.90E-09	2.36E-09	3.29E-08
489863.09, 3857877.25	0.01249	4.555E-05	1.58E-08	4.76E-08	3.76E-08	3.25E-08	1.46E-08	5.26E-10	1.27E-08	8.93E-09	7.73E-09	2.31E-09	3.22E-08
490363.09, 3857877.25	0.01244	4.536E-05	1.57E-08	4.74E-08	3.75E-08	3.24E-08	1.46E-08	5.24E-10	1.27E-08	8.90E-09	7.70E-09	2.30E-09	3.21E-08
490863.09, 3857877.25	0.01161	4.234E-05	1.47E-08	4.43E-08	3.50E-08	3.02E-08	1.36E-08	4.89E-10	1.18E-08	8.31E-09	7.19E-09	2.15E-09	2.99E-08
491363.09, 3857877.25	0.00943	3.439E-05	1.19E-08	3.59E-08	2.84E-08	2.46E-08	1.10E-08	3.98E-10	9.60E-09	6.75E-09	5.84E-09	1.74E-09	2.43E-08
491863.09, 3857877.25	0.00664	2.421E-05	8.38E-09	2.53E-08	2.00E-08	1.73E-08	7.78E-09	2.80E-10	6.76E-09	4.75E-09	4.11E-09	1.23E-09	1.71E-08
492363.09, 3857877.25	0.00454	1.656E-05	5.73E-09	1.73E-08	1.37E-08	1.18E-08	5.32E-09	1.91E-10	4.62E-09	3.25E-09	2.81E-09	8.39E-10	1.17E-08
492863.09, 3857877.25	0.00378	1.378E-05	4.77E-09	1.44E-08	1.14E-08	9.85E-09	4.43E-09	1.59E-10	3.85E-09	2.70E-09	2.34E-09	6.98E-10	9.75E-09
493363.09, 3857877.25	0.00347	1.265E-05	4.38E-09	1.32E-08	1.04E-08	9.04E-09	4.06E-09	1.46E-10	3.53E-09	2.48E-09	2.15E-09	6.41E-10	8.95E-09
493863.09, 3857877.25	0.0033	1.203E-05	4.17E-09	1.26E-08	9.94E-09	8.60E-09	3.87E-09	1.39E-10	3.36E-09	2.36E-09	2.04E-09	6.10E-10	8.51E-09
494363.09, 3857877.25	0.00311	1.134E-05	3.93E-09	1.19E-08	9.36E-09	8.10E-09	3.64E-09	1.31E-10	3.17E-09	2.22E-09	1.93E-09	5.75E-10	8.02E-09
494863.09, 3857877.25	0.00293	1.068E-05	3.70E-09	1.12E-08	8.82E-09	7.63E-09	3.43E-09	1.24E-10	2.98E-09	2.10E-09	1.81E-09	5.41E-10	7.56E-09
495363.09, 3857877.25	0.00288	1.05E-05	3.64E-09	1.10E-08	8.67E-09	7.50E-09	3.37E-09	1.21E-10	2.93E-09	2.06E-09	1.78E-09	5.32E-10	7.43E-09
495863.09, 3857877.25	0.00291	1.061E-05	3.67E-09	1.11E-08	8.76E-09	7.58E-09	3.41E-09	1.23E-10	2.96E-09	2.08E-09	1.80E-09	5.38E-10	7.51E-09
496363.09, 3857877.25	0.00302	1.101E-05	3.81E-09	1.15E-08	9.09E-09	7.87E-09	3.54E-09	1.27E-10	3.08E-09	2.16E-09	1.87E-09	5.58E-10	7.79E-09
496863.09, 3857877.25	0.00331	1.207E-05	4.18E-09	1.26E-08	9.97E-09	8.62E-09	3.88E-09	1.40E-10	3.37E-09	2.37E-09	2.05E-09	6.12E-10	8.54E-09
497363.09, 3857877.25	0.00375	1.367E-05	4.73E-09	1.43E-08	1.13E-08	9.77E-09	4.39E-09	1.58E-10	3.82E-09	2.68E-09	2.32E-09	6.93E-10	9.67E-09
497863.09, 3857877.25	0.00469	1.71E-05	5.92E-09	1.79E-08	1.41E-08	1.22E-08	5.49E-09	1.98E-10	4.78E-09	3.36E-09	2.90E-09	8.67E-10	1.21E-08
498363.09, 3857877.25	0.00604	2.203E-05	7.62E-09	2.30E-08	1.82E-08	1.57E-08	7.08E-09	2.55E-10	6.15E-09	4.32E-09	3.74E-09	1.12E-09	1.56E-08
471363.09, 3858377.25	0.00166	6.053E-06	2.10E-09	6.33E-09	5.00E-09	4.32E-09	1.94E-09	7.00E-11	1.69E-09	1.19E-09	1.03E-09	3.07E-10	4.28E-09
471863.09, 3858377.25	0.00164	5.981E-06	2.07E-09	6.25E-09	4.94E-09	4.27E-09	1.92E-09	6.91E-11	1.67E-09	1.17E-09	1.02E-09	3.03E-10	4.23E-09
472363.09, 3858377.25	0.00162	5.908E-06	2.05E-09	6.17E-09	4.88E-09	4.22E-09	1.90E-09	6.83E-11	1.65E-09	1.16E-09	1.00E-09	2.99E-10	4.18E-09
472863.09, 3858377.25	0.00165	6.017E-06	2.08E-09	6.29E-09	4.97E-09	4.30E-09	1.93E-09	6.96E-11	1.68E-09	1.18E-09	1.02E-09	3.05E-10	4.26E-09
473363.09, 3858377.25	0.00176	6.418E-06	2.22E-09	6.71E-09	5.30E-09	4.59E-09	2.06E-09	7.42E-11	1.79E-09	1.26E-09	1.09E-09	3.25E-10	4.54E-09
473863.09, 3858377.25	0.00169	6.163E-06	2.13E-09	6.44E-09	5.09E-09	4.40E-09	1.98E-09	7.12E-11	1.72E-09	1.21E-09	1.05E-09	3.12E-10	4.36E-09
474363.09, 3858377.25	0.00155	5.652E-06	1.96E-09	5.91E-09	4.67E-09	4.04E-09	1.82E-09	6.53E-11	1.58E-09	1.11E-09	9.59E-10	2.86E-10	4.00E-09
474863.09, 3858377.25	0.00146	5.324E-06	1.84E-09	5.56E-09	4.40E-09	3.80E-09	1.71E-09	6.15E-11	1.49E-09	1.04E-09	9.04E-10	2.70E-10	3.77E-09
475363.09, 3858377.25	0.00139	5.069E-06	1.75E-09	5.30E-09	4.18E-09	3.62E-09	1.63E-09	5.86E-11	1.42E-09	9.94E-10	8.60E-10	2.57E-10	3.59E-09
475863.09, 3858377.25	0.00135	4.923E-06	1.70E-09	5.15E-09	4.06E-09	3.52E-09	1.58E-09	5.69E-11	1.37E-09	9.66E-10	8.36E-10	2.49E-10	3.48E-09
476363.09, 3858377.25	0.00142	5.178E-06	1.79E-09	5.41E-09	4.28E-09	3.70E-09	1.66E-09	5.99E-11	1.45E-09	1.02E-09	8.79E-10	2.62E-10	3.66E-09
476863.09, 3858377.25	0.00151	5.506E-06	1.91E-09	5.76E-09	4.55E-09	3.93E-09	1.77E-09	6.37E-11	1.54E-09	1.08E-09	9.35E-10	2.79E-10	3.90E-09
477363.09, 3858377.25	0.00155	5.652E-06	1.96E-09	5.91E-09	4.67E-09	4.04E-09	1.82E-09	6.53E-11	1.58E-09	1.11E-09	9.59E-10	2.86E-10	4.00E-09
477863.09, 3858377.25	0.00172	6.272E-06	2.17E-09	6.56E-09	5.18E-09	4.48E-09	2.01E-09	7.25E-11	1.75E-09	1.23E-09	1.06E-09	3.18E-10	4.44E-09
478363.09, 3858377.25	0.00182	6.637E-06	2.30E-09	6.94E-09	5.48E-09	4.74E-09	2.13E-09	7.67E-11	1.85E-09	1.30E-09	1.13E-09	3.36E-10	4.69E-09
478863.09, 3858377.25	0.0017	6.199E-06	2.15E-09	6.48E-09	5.12E-09	4.43E-09	1.99E-09	7.17E-11	1.73E-09	1.22E-09	1.05E-09	3.14E-10	4.39E-09
479363.09, 3858377.25	0.00245	8.934E-06	3.09E-09	9.34E-09	7.38E-09	6.38E-09	2.87E-09	1.03E-10	2.49E-09	1.75E-09	1.52E-09	4.53E-10	6.32E-09
479863.09, 3858377.25	0.00352	1.284E-05	4.44E-09	1.34E-08	1.06E-08	9.17E-09	4.12E-09	1.48E-10	3.58E-09	2.52E-09	2.18E-09	6.50E-10	9.08E-09
480363.09, 3858377.25	0.00424	1.546E-05	5.35E-09	1.62E-08	1.28E-08	1.10E-08	4.97E-09	1.79E-10	4.32E-09	3.03E-09	2.62E-09	7.83E-10	1.09E-08
480863.09, 3858377.25	0.00457	1.667E-05	5.77E-09	1.74E-08	1.38E-08	1.19E-08	5.35E-09	1.93E-10	4.65E-09	3.27E-09	2.83E-09	8.44E-10	1.18E-08
481363.09, 3858377.25	0.00488	1.78E-05	6.16E-09	1.86E-08	1.47E-08	1.27E-08	5.72E-09	2.06E-10	4.97E-09	3.49E-09	3.02E-09	9.02E-10	1.26E-08
481863.09, 3858377.25	0.00496	1.809E-05	6.26E-09	1.89E-08	1.49E-08	1.29E-08	5.81E-09	2.09E-10	5.05E-09	3.55E-09	3.07E-09	9.16E-10	1.28E-08
482363.09, 3858377.25	0.00525	1.914E-05	6.63E-09	2.00E-08	1.58E-08	1.37E-08	6.15E-09	2.21E-10	5.35E-09	3.76E-09	3.25E-09	9.70E-10	1.35E-08
482863.09, 3858377.25	0.00645	2.352E-05	8.14E-09	2.46E-08	1.94E-08	1.68E-08	7.56E-09	2.72E-10	6.57E-09	4.61E-09	3.99E-09	1.19E-09	1.66E-08
483363.09, 3858377.25	0.0085	3.1E-05	1.07E-08	3.24E-08	2.56E-08	2.21E-08	9.96E-09	3.58E-10	8.65E-09	6.08E-09	5.26E-09	1.57E-09	2.19E-08
483863.09, 3858377.25	0.00951	3.468E-05	1.20E-08	3.62E-08	2.86E-08	2.48E-08	1.11E-08	4.01E-10	9.68E-09	6.80E-09	5.89E-09	1.76E-09	2.45E-08
484363.09, 3858377.25	0.00967	3.526E-05	1.22E-08	3.69E-08	2.91E-08	2.52E-08	1.13E-08	4.08E-10	9.85E-09	6.92E-09	5.99E-09	1.79E-09	2.49E-08
484863.09, 3858377.25	0.00964	3.515E-05	1.22E-08	3.67E-08	2.90E-08	2.51E-08	1.13E-08	4.06E-10	9.82E-09	6.90E-09	5.97E-09	1.78E-09	2.49E-08
485363.09, 3858377.25	0.01039	3.789E-05	1.31E-08	3.96E-08	3.13E-08	2.71E-08	1.22E-08	4.38E-10	1.06E-08	7.43E-09	6.43E-09	1.92E-09	2.68E-08
485863.09, 3858377.25	0.01239	4.518E-05	1.56E-08	4.72E-08	3.73E-08	3.23E-08	1.45E-08	5.22E-10	1.26E-08	8.86E-09	7.67E-09	2.29E-09	3.20E-08
486363.09, 3858377.25	0.01519	5.539E-05	1.92E-08	5.79E-08	4.57E-08	3.96E-08	1.78E-08	6.40E-10	1.55E-08	1.09E-08	9.40E-09	2.81E-09	3.92E-08
486863.09, 3858377.25	0.01727	6.298E-05	2.18E-08	6.58E-08	5.20E-08	4.50E-08	2.02E-08	7.28E-10	1.76E-08	1.24E-08	1.07E-08	3.19E-09	4.45E-08
487363.09, 3858377.25	0.01741	6.349E-05	2.20E-08	6.64E-08	5.24E-08	4.54E-08	2.04E-08	7.34E-10	1.77E-08	1.25E-08	1.08E-08	3.22E-09	4.49E-08
487863.09, 3858377.25	0.01602	5.842E-05	2.02E-08	6.11E-08	4.82E-08	4.17E-08	1.88E-08	6.75E-10	1.63E-08	1.15E-08	9.92E-09	2.96E-09	4.13E-08
488363.09, 3858377.25	0.01529	5.576E-05	1.93E-08	5.83E-08	4.60E-08	3.98E-08	1.79E-08	6.45E-10	1.56E-08	1.09E-08	9.46E-09	2.83E-09	3.94E-08
488863.09, 3858377.25	0.01521	5.547E-05	1.92E-08	5.80E-08	4.58E-08	3.96E-08	1.78E-08	6.41E-10	1.55E-08	1.09E-08	9.41E-09	2.81E-09	3.92E-08
489363.09, 3858377.25	0.01452	5.295E-05	1.83E-08	5.53E-08	4.37E-08	3.78E-08	1.70E-08	6.12E-10	1.48E-08	1.04E-08	8.99E-09	2.68E-09	3.75E-08
489863.09, 3858377.25	0.01448	5.28E-05	1.83E-08	5.52E-08	4.36E-08	3.77E-08	1.70E-08	6.10E-10	1.47E-08	1.04E-08	8.96E-09	2.68E-09	3.74E-08
490363.09, 3858377.25	0.01382	5.04E-05	1.74E-08	5.27E-08	4.16E-08	3.60E-08	1.62E-08	5.83E-10	1.41E-08	9.89E-09	8.55E-09	2.55E-09	3.56E-08
490863.09, 3858377.25	0.01404	5.12E-05	1.77E-08	5.35E-08	4.23E-08	3.66E-08	1.64E-08	5.92E-10	1.43E-08	1.00E-08	8.69E-09	2.59E-09	3.62E-08
491363.09, 3858377.25	0.01053	3.84E-05	1.33E-08	4.01E-08	3.17E-08	2.74E-08	1.23E-08	4.44E-10	1.07E-08	7.53E-09	6.52E-09	1.95E-09	2.72E-08
491863.09, 3858377.25	0.00709	2.585E-05	8.95E-09	2.70E-08	2.13E-08	1.85E-08	8.31E-09	2.99E-10	7.22E-09	5.07E-09	4.39E-09	1.31E-09	1.83E-08

492363.09, 3858377.25	0.00538	1.962E-05	6.79E-09	2.05E-08	1.62E-08	1.40E-08	6.30E-09	2.27E-10	5.48E-09	3.85E-09	3.33E-09	9.94E-10	1.39E-08
492863.09, 3858377.25	0.00516	1.882E-05	6.51E-09	1.97E-08	1.55E-08	1.34E-08	6.04E-09	2.18E-10	5.25E-09	3.69E-09	3.19E-09	9.53E-10	1.33E-08
493363.09, 3858377.25	0.00481	1.754E-05	6.07E-09	1.83E-08	1.45E-08	1.25E-08	5.63E-09	2.03E-10	4.90E-09	3.44E-09	2.98E-09	8.89E-10	1.24E-08
493863.09, 3858377.25	0.00454	1.656E-05	5.73E-09	1.73E-08	1.37E-08	1.18E-08	5.32E-09	1.91E-10	4.62E-09	3.25E-09	2.81E-09	8.39E-10	1.17E-08
494363.09, 3858377.25	0.00442	1.612E-05	5.58E-09	1.68E-08	1.33E-08	1.15E-08	5.18E-09	1.86E-10	4.50E-09	3.16E-09	2.74E-09	8.17E-10	1.14E-08
494863.09, 3858377.25	0.00425	1.55E-05	5.36E-09	1.62E-08	1.28E-08	1.11E-08	4.98E-09	1.79E-10	4.33E-09	3.04E-09	2.63E-09	7.85E-10	1.10E-08
495363.09, 3858377.25	0.00412	1.502E-05	5.20E-09	1.57E-08	1.24E-08	1.07E-08	4.83E-09	1.74E-10	4.20E-09	2.95E-09	2.55E-09	7.61E-10	1.06E-08
495863.09, 3858377.25	0.00424	1.546E-05	5.35E-09	1.62E-08	1.28E-08	1.10E-08	4.97E-09	1.79E-10	4.32E-09	3.03E-09	2.62E-09	7.83E-10	1.09E-08
496363.09, 3858377.25	0.00441	1.608E-05	5.57E-09	1.68E-08	1.33E-08	1.15E-08	5.17E-09	1.86E-10	4.49E-09	3.15E-09	2.73E-09	8.15E-10	1.14E-08
496863.09, 3858377.25	0.00497	1.812E-05	6.27E-09	1.89E-08	1.50E-08	1.29E-08	5.82E-09	2.10E-10	5.06E-09	3.56E-09	3.08E-09	9.18E-10	1.28E-08
497363.09, 3858377.25	0.00574	2.093E-05	7.25E-09	2.19E-08	1.73E-08	1.50E-08	6.72E-09	2.42E-10	5.84E-09	4.11E-09	3.55E-09	1.06E-09	1.48E-08
497863.09, 3858377.25	0.00742	2.706E-05	9.37E-09	2.83E-08	2.23E-08	1.93E-08	8.69E-09	3.13E-10	7.56E-09	5.31E-09	4.59E-09	1.37E-09	1.91E-08
498363.09, 3858377.25	0.0096	3.501E-05	1.21E-08	3.66E-08	2.89E-08	2.50E-08	1.12E-08	4.05E-10	9.77E-09	6.87E-09	5.94E-09	1.77E-09	2.48E-08
471363.09, 3858877.25	0.0017	6.199E-06	2.15E-09	6.48E-09	5.12E-09	4.43E-09	1.99E-09	7.17E-11	1.73E-09	1.22E-09	1.05E-09	3.14E-10	4.39E-09
471863.09, 3858877.25	0.00172	6.272E-06	2.17E-09	6.56E-09	5.18E-09	4.48E-09	2.01E-09	7.25E-11	1.75E-09	1.23E-09	1.06E-09	3.18E-10	4.44E-09
472363.09, 3858877.25	0.00184	6.71E-06	2.32E-09	7.01E-09	5.54E-09	4.79E-09	2.16E-09	7.76E-11	1.87E-09	1.32E-09	1.14E-09	3.40E-10	4.75E-09
472863.09, 3858877.25	0.00193	7.038E-06	2.44E-09	7.36E-09	5.81E-09	5.03E-09	2.26E-09	8.14E-11	1.97E-09	1.38E-09	1.19E-09	3.57E-10	4.98E-09
473363.09, 3858877.25	0.00211	7.694E-06	2.66E-09	8.04E-09	6.35E-09	5.50E-09	2.47E-09	8.89E-11	2.15E-09	1.51E-09	1.31E-09	3.90E-10	5.44E-09
473863.09, 3858877.25	0.00203	7.403E-06	2.56E-09	7.74E-09	6.11E-09	5.29E-09	2.38E-09	8.56E-11	2.07E-09	1.45E-09	1.26E-09	3.75E-10	5.24E-09
474363.09, 3858877.25	0.00177	6.455E-06	2.23E-09	6.75E-09	5.33E-09	4.61E-09	2.07E-09	7.46E-11	1.80E-09	1.27E-09	1.10E-09	3.27E-10	4.57E-09
474863.09, 3858877.25	0.00142	5.178E-06	1.79E-09	5.41E-09	4.28E-09	3.70E-09	1.66E-09	5.99E-11	1.45E-09	1.02E-09	8.79E-10	2.62E-10	3.66E-09
475363.09, 3858877.25	0.00136	4.959E-06	1.72E-09	5.18E-09	4.09E-09	3.54E-09	1.59E-09	5.73E-11	1.38E-09	9.73E-10	8.42E-10	2.51E-10	3.51E-09
475863.09, 3858877.25	0.00142	5.178E-06	1.79E-09	5.41E-09	4.28E-09	3.70E-09	1.66E-09	5.99E-11	1.45E-09	1.02E-09	8.79E-10	2.62E-10	3.66E-09
476363.09, 3858877.25	0.00132	4.814E-06	1.67E-09	5.03E-09	3.97E-09	3.44E-09	1.55E-09	5.56E-11	1.34E-09	9.44E-10	8.17E-10	2.44E-10	3.40E-09
476863.09, 3858877.25	0.0014	5.105E-06	1.77E-09	5.34E-09	4.22E-09	3.65E-09	1.64E-09	5.90E-11	1.43E-09	1.00E-09	8.67E-10	2.59E-10	3.61E-09
477363.09, 3858877.25	0.00145	5.288E-06	1.83E-09	5.53E-09	4.37E-09	3.78E-09	1.70E-09	6.11E-11	1.48E-09	1.04E-09	8.98E-10	2.68E-10	3.74E-09
477863.09, 3858877.25	0.00155	5.652E-06	1.96E-09	5.91E-09	4.67E-09	4.04E-09	1.82E-09	6.53E-11	1.58E-09	1.11E-09	9.59E-10	2.86E-10	4.00E-09
478363.09, 3858877.25	0.00183	6.673E-06	2.31E-09	6.98E-09	5.51E-09	4.77E-09	2.14E-09	7.71E-11	1.86E-09	1.31E-09	1.13E-09	3.38E-10	4.72E-09
478863.09, 3858877.25	0.00184	6.71E-06	2.32E-09	7.01E-09	5.54E-09	4.79E-09	2.16E-09	7.76E-11	1.87E-09	1.32E-09	1.14E-09	3.40E-10	4.75E-09
479363.09, 3858877.25	0.00184	6.71E-06	2.32E-09	7.01E-09	5.54E-09	4.79E-09	2.16E-09	7.76E-11	1.87E-09	1.32E-09	1.14E-09	3.40E-10	4.75E-09
479863.09, 3858877.25	0.00319	1.163E-05	4.03E-09	1.22E-08	9.60E-09	8.31E-09	3.74E-09	1.34E-10	3.25E-09	2.28E-09	1.97E-09	5.89E-10	8.23E-09
480363.09, 3858877.25	0.00382	1.393E-05	4.82E-09	1.46E-08	1.15E-08	9.95E-09	4.47E-09	1.61E-10	3.89E-09	2.73E-09	2.36E-09	7.06E-10	9.85E-09
480863.09, 3858877.25	0.00449	1.637E-05	5.67E-09	1.71E-08	1.35E-08	1.17E-08	5.26E-09	1.89E-10	4.57E-09	3.21E-09	2.78E-09	8.30E-10	1.16E-08
481363.09, 3858877.25	0.00491	1.791E-05	6.20E-09	1.87E-08	1.48E-08	1.28E-08	5.75E-09	2.07E-10	5.00E-09	3.51E-09	3.04E-09	9.07E-10	1.27E-08
481863.09, 3858877.25	0.00538	1.962E-05	6.79E-09	2.05E-08	1.62E-08	1.40E-08	6.30E-09	2.27E-10	5.48E-09	3.85E-09	3.33E-09	9.94E-10	1.39E-08
482363.09, 3858877.25	0.00566	2.064E-05	7.14E-09	2.16E-08	1.70E-08	1.47E-08	6.63E-09	2.39E-10	5.76E-09	4.05E-09	3.50E-09	1.05E-09	1.46E-08
482863.09, 3858877.25	0.00624	2.276E-05	7.88E-09	2.38E-08	1.88E-08	1.63E-08	7.31E-09	2.63E-10	6.35E-09	4.46E-09	3.86E-09	1.15E-09	1.61E-08
483363.09, 3858877.25	0.00964	3.515E-05	1.22E-08	3.67E-08	2.90E-08	2.51E-08	1.13E-08	4.06E-10	9.82E-09	6.90E-09	5.97E-09	1.78E-09	2.49E-08
483863.09, 3858877.25	0.01063	3.876E-05	1.34E-08	4.05E-08	3.20E-08	2.77E-08	1.25E-08	4.48E-10	1.08E-08	7.60E-09	6.58E-09	1.96E-09	2.74E-08
484363.09, 3858877.25	0.01104	4.026E-05	1.39E-08	4.21E-08	3.32E-08	2.88E-08	1.29E-08	4.65E-10	1.12E-08	7.90E-09	6.83E-09	2.04E-09	2.85E-08
484863.09, 3858877.25	0.01147	4.183E-05	1.45E-08	4.37E-08	3.45E-08	2.99E-08	1.34E-08	4.83E-10	1.17E-08	8.21E-09	7.10E-09	2.12E-09	2.96E-08
485363.09, 3858877.25	0.01212	4.42E-05	1.53E-08	4.62E-08	3.65E-08	3.16E-08	1.42E-08	5.11E-10	1.23E-08	8.67E-09	7.50E-09	2.24E-09	3.13E-08
485863.09, 3858877.25	0.01245	4.54E-05	1.57E-08	4.75E-08	3.75E-08	3.24E-08	1.46E-08	5.25E-10	1.27E-08	8.91E-09	7.71E-09	2.30E-09	3.21E-08
486363.09, 3858877.25	0.01291	4.708E-05	1.63E-08	4.92E-08	3.89E-08	3.36E-08	1.51E-08	5.44E-10	1.31E-08	9.24E-09	7.99E-09	2.39E-09	3.33E-08
486863.09, 3858877.25	0.01395	5.087E-05	1.76E-08	5.32E-08	4.20E-08	3.63E-08	1.63E-08	5.88E-10	1.42E-08	9.98E-09	8.63E-09	2.58E-09	3.60E-08
487363.09, 3858877.25	0.01589	5.795E-05	2.01E-08	6.06E-08	4.78E-08	4.14E-08	1.86E-08	6.70E-10	1.62E-08	1.14E-08	9.84E-09	2.94E-09	4.10E-08
487863.09, 3858877.25	0.01962	7.155E-05	2.48E-08	7.48E-08	5.91E-08	5.11E-08	2.30E-08	8.27E-10	2.00E-08	1.40E-08	1.21E-08	3.63E-09	5.06E-08
488363.09, 3858877.25	0.01994	7.271E-05	2.52E-08	7.60E-08	6.00E-08	5.19E-08	2.34E-08	8.41E-10	2.03E-08	1.43E-08	1.23E-08	3.68E-09	5.14E-08
488863.09, 3858877.25	0.01797	6.553E-05	2.27E-08	6.85E-08	5.41E-08	4.68E-08	2.11E-08	7.57E-10	1.83E-08	1.29E-08	1.11E-08	3.32E-09	4.64E-08
489363.09, 3858877.25	0.01675	6.108E-05	2.11E-08	6.38E-08	5.04E-08	4.36E-08	1.96E-08	7.06E-10	1.71E-08	1.20E-08	1.04E-08	3.09E-09	4.32E-08
489863.09, 3858877.25	0.01702	6.207E-05	2.15E-08	6.49E-08	5.12E-08	4.43E-08	1.99E-08	7.17E-10	1.73E-08	1.22E-08	1.05E-08	3.14E-09	4.39E-08
490363.09, 3858877.25	0.01558	5.682E-05	1.97E-08	5.94E-08	4.69E-08	4.06E-08	1.83E-08	6.57E-10	1.59E-08	1.11E-08	9.64E-09	2.88E-09	4.02E-08
490863.09, 3858877.25	0.01182	4.31E-05	1.49E-08	4.51E-08	3.56E-08	3.08E-08	1.38E-08	4.98E-10	1.20E-08	8.46E-09	7.32E-09	2.18E-09	3.05E-08
491363.09, 3858877.25	0.00903	3.293E-05	1.14E-08	3.44E-08	2.72E-08	2.35E-08	1.06E-08	3.81E-10	9.19E-09	6.46E-09	5.59E-09	1.67E-09	2.33E-08
491863.09, 3858877.25	0.0073	2.662E-05	9.22E-09	2.78E-08	2.20E-08	1.90E-08	8.55E-09	3.08E-10	7.43E-09	5.22E-09	4.52E-09	1.35E-09	1.88E-08
492363.09, 3858877.25	0.0079	2.881E-05	9.97E-09	3.01E-08	2.38E-08	2.06E-08	9.25E-09	3.33E-10	8.04E-09	5.65E-09	4.89E-09	1.46E-09	2.04E-08
492863.09, 3858877.25	0.00888	3.238E-05	1.12E-08	3.38E-08	2.67E-08	2.31E-08	1.04E-08	3.74E-10	9.04E-09	6.35E-09	5.50E-09	1.64E-09	2.29E-08
493363.09, 3858877.25	0.00738	2.691E-05	9.32E-09	2.81E-08	2.22E-08	1.92E-08	8.65E-09	3.11E-10	7.51E-09	5.28E-09	4.57E-09	1.36E-09	1.90E-08
493863.09, 3858877.25	0.0065	2.37E-05	8.21E-09	2.48E-08	1.96E-08	1.69E-08	7.61E-09	2.74E-10	6.62E-09	4.65E-09	4.02E-09	1.20E-09	1.68E-08
494363.09, 3858877.25	0.00655	2.389E-05	8.27E-09	2.50E-08	1.97E-08	1.71E-08	7.67E-09	2.76E-10	6.67E-09	4.69E-09	4.05E-09	1.21E-09	1.69E-08
494863.09, 3858877.25	0.00666	2.429E-05	8.41E-09	2.54E-08	2.01E-08	1.74E-08	7.80E-09	2.81E-10	6.78E-09	4.76E-09	4.12E-09	1.23E-09	1.72E-08
495363.09, 3858877.25	0.00653	2.381E-05	8.24E-09	2.49E-08	1.97E-08	1.70E-08	7.65E-09	2.75E-10	6.65E-09	4.67E-09	4.04E-09	1.21E-09	1.68E-08
495863.09, 3858877.25	0.00669	2.44E-05	8.45E-09	2.55E-08	2.01E-08	1.74E-08	7.84E-09	2.82E-10	6.81E-09	4.79E-09	4.14E-09	1.24E-09	1.73E-08
496363.09, 3858877.25	0.00716	2.611E-05	9.04E-09	2.73E-08	2.16E-08	1.87E-08	8.39E-09	3.02E-10	7.29E-09	5.12E-09	4.43E-09	1.32E-09	1.85E-08
496863.09, 3858877.25	0.00811	2.957E-05	1.02E-08	3.09E-08	2.44E-08	2.11E-08	9.50E-09	3.42E-10	8.26E-09	5.80E-09	5.02E-09	1.50E-09	2.09E-08
497363.09, 3858877.25	0.00962	3.508E-05	1.21E-08	3.67E-08	2.90E-08	2.51E-08	1.13E-08	4.06E-10	9.80E-09	6.88E-09	5.95E-09	1.78E-09	2.48E-08
497863.09, 3858877.25	0.0124	4.522E-05	1.57E-08	4.73E-08	3.73E-08	3.23E-08	1.45E-08	5.23E-10	1.26E-08	8.87E-09	7.68E-09	2.29E-09	3.20E-08
498363.09, 3858877.25	0.01605	5.853E-05	2.03E-08	6.12E-08	4.83E-08	4.18E-08	1.88E-08	6.77E-10	1.63E-08	1.15E-08	9.93E-09	2.97E-09	4.14E-08
471363.09, 3859377.25	0.00157	5.725E-06	1.98E-09	5.98E-09	4.73E-09	4.09E-09	1.84E-09	6.62E-11	1.60E-09	1.12E-09	9.72E-10	2.90E-10	4.05E-09
471863.09, 3859377.25	0.00162	5.908E-06	2.05E-09	6.17E-09	4.88E-09	4.22E-09	1.90E-09	6.83E-11	1.65E-09	1.16E-09	1.00E-09	2.99E-10	4.18E-09
472363.09, 3859377.25	0.00174	6.345E-06	2.20E-09	6.63E-09	5.24E-09	4.53E-09	2.04E-09	7.33E-11	1.77E-09	1.24E-09	1.08E-09	3.22E-10	4.49E-09
472863.09, 3859377.25	0.00185	6.746E-06	2.34E-09	7.05E-09	5.57E-09	4.82E-09	2.17E-09	7.80E-11	1.88E-09	1.32E-09	1.15E-09	3.42E-10	4.77E-09
473363.09, 3859377.25	0.002	7.293E-06	2.52E-09	7.62E-09	6.02E-09	5.21E-09	2.34E-09	8.43E-11	2.04E-09	1.43E-09	1.24E-09	3.70E-10	5.16E-09
473863.09, 3859377.25	0.00204	7.439E-06	2.58E-09	7.78E-09	6.14E-09	5.31E-09	2.39E-09	8.60E-11	2.08E-09	1.46E-09	1.26E-09	3.77E-10	5.26E-09
474363.09, 3859377.25	0.00172	6.272E-06	2.17E-09	6.56E-09	5.18E-09	4.48E-09	2.01E-09	7.25E-11	1.75E-09	1.23E-09	1.06E-09	3.18E-10	4.44E-09
474863.09, 3859377.25	0.00151	5.506E-06	1.91E-09	5.76E-09	4.55E-09	3.93E-09	1.77E-09	6.37E-11	1.54E-09	1.08E-09	9.35E-10	2.79E-10	3.90E-09
475363.09, 3859377.25	0.00139	5.069E-06	1.75E-09	5.30E-09	4.18E-09	3.62E-09	1.63E-09	5.86E-11	1.42E-09	9.94E-10	8.60E-10	2.57E-10	3.59E-09
475863.09, 3859377.25	0.00131	4.777E-06	1.65E-09	4.99E-09	3.94E-09	3.41E-09	1.53E-09	5.52E-11	1.33E-09	9.37E-10	8.11E-10	2.42E-10	3.38E-09
476363.09, 3859377.25	0.00133	4.85E-06	1.68E-09	5.07E-09	4.00E-09	3.46E-09	1.56E-09	5.61E-11	1.35E-09	9.51E-10	8.23E-10	2.46E-10	3.43E-09
476863.09, 3859377.25	0.00131	4.777E-06	1.65E-09	4.99E-09	3.94E-09	3.41E-09	1.53E-09	5.52E-11	1.33E-09	9.37E-10	8.11E-10	2.42E-10	3.38E-09

477363.09, 3859377.25	0.00138	5.032E-06	1.74E-09	5.26E-09	4.15E-09	3.60E-09	1.62E-09	5.82E-11	1.41E-09	9.87E-10	8.54E-10	2.55E-10	3.56E-09
477863.09, 3859377.25	0.00163	5.944E-06	2.06E-09	6.21E-09	4.91E-09	4.25E-09	1.91E-09	6.87E-11	1.66E-09	1.17E-09	1.01E-09	3.01E-10	4.20E-09
478363.09, 3859377.25	0.00184	6.71E-06	2.32E-09	7.01E-09	5.54E-09	4.79E-09	2.16E-09	7.76E-11	1.87E-09	1.32E-09	1.14E-09	3.40E-10	4.75E-09
478863.09, 3859377.25	0.00211	7.694E-06	2.66E-09	8.04E-09	6.35E-09	5.50E-09	2.47E-09	8.89E-11	2.15E-09	1.51E-09	1.31E-09	3.90E-10	5.44E-09
479363.09, 3859377.25	0.00239	8.716E-06	3.02E-09	9.11E-09	7.20E-09	6.23E-09	2.80E-09	1.01E-10	2.43E-09	1.71E-09	1.48E-09	4.42E-10	6.16E-09
479863.09, 3859377.25	0.00272	9.919E-06	3.43E-09	1.04E-08	8.19E-09	7.09E-09	3.19E-09	1.15E-10	2.77E-09	1.95E-09	1.68E-09	5.03E-10	7.02E-09
480363.09, 3859377.25	0.00317	1.156E-05	4.00E-09	1.21E-08	9.54E-09	8.26E-09	3.71E-09	1.34E-10	3.23E-09	2.27E-09	1.96E-09	5.86E-10	8.18E-09
480863.09, 3859377.25	0.00367	1.338E-05	4.63E-09	1.40E-08	1.10E-08	9.56E-09	4.30E-09	1.55E-10	3.74E-09	2.63E-09	2.27E-09	6.78E-10	9.47E-09
481363.09, 3859377.25	0.00411	1.499E-05	5.19E-09	1.57E-08	1.24E-08	1.07E-08	4.81E-09	1.73E-10	4.18E-09	2.94E-09	2.54E-09	7.59E-10	1.06E-08
481863.09, 3859377.25	0.00458	1.67E-05	5.78E-09	1.75E-08	1.38E-08	1.19E-08	5.37E-09	1.93E-10	4.66E-09	3.28E-09	2.83E-09	8.46E-10	1.18E-08
482363.09, 3859377.25	0.00503	1.834E-05	6.35E-09	1.92E-08	1.51E-08	1.31E-08	5.89E-09	2.12E-10	5.12E-09	3.60E-09	3.11E-09	9.29E-10	1.30E-08
482863.09, 3859377.25	0.00588	2.144E-05	7.42E-09	2.24E-08	1.77E-08	1.53E-08	6.89E-09	2.48E-10	5.99E-09	4.21E-09	3.64E-09	1.09E-09	1.52E-08
483363.09, 3859377.25	0.00786	2.866E-05	9.92E-09	3.00E-08	2.37E-08	2.05E-08	9.21E-09	3.31E-10	8.00E-09	5.62E-09	4.87E-09	1.45E-09	2.03E-08
483863.09, 3859377.25	0.01095	3.993E-05	1.38E-08	4.17E-08	3.30E-08	2.85E-08	1.28E-08	4.62E-10	1.11E-08	7.83E-09	6.78E-09	2.02E-09	2.82E-08
484363.09, 3859377.25	0.01183	4.314E-05	1.49E-08	4.51E-08	3.56E-08	3.08E-08	1.39E-08	4.99E-10	1.20E-08	8.46E-09	7.32E-09	2.19E-09	3.05E-08
484863.09, 3859377.25	0.01261	4.598E-05	1.59E-08	4.81E-08	3.80E-08	3.29E-08	1.48E-08	5.32E-10	1.28E-08	9.02E-09	7.81E-09	2.33E-09	3.25E-08
485363.09, 3859377.25	0.01356	4.945E-05	1.71E-08	5.17E-08	4.08E-08	3.53E-08	1.59E-08	5.72E-10	1.38E-08	9.70E-09	8.39E-09	2.51E-09	3.50E-08
485863.09, 3859377.25	0.01452	5.295E-05	1.83E-08	5.53E-08	4.37E-08	3.78E-08	1.70E-08	6.12E-10	1.48E-08	1.04E-08	8.99E-09	2.68E-09	3.75E-08
486363.09, 3859377.25	0.01525	5.561E-05	1.93E-08	5.81E-08	4.59E-08	3.97E-08	1.79E-08	6.43E-10	1.55E-08	1.09E-08	9.44E-09	2.82E-09	3.93E-08
486863.09, 3859377.25	0.01619	5.904E-05	2.04E-08	6.17E-08	4.87E-08	4.22E-08	1.90E-08	6.82E-10	1.65E-08	1.16E-08	1.00E-08	2.99E-09	4.18E-08
487363.09, 3859377.25	0.01699	6.196E-05	2.14E-08	6.48E-08	5.12E-08	4.43E-08	1.99E-08	7.16E-10	1.73E-08	1.22E-08	1.05E-08	3.14E-09	4.38E-08
487863.09, 3859377.25	0.01663	6.064E-05	2.10E-08	6.34E-08	5.01E-08	4.33E-08	1.95E-08	7.01E-10	1.69E-08	1.19E-08	1.03E-08	3.07E-09	4.29E-08
488363.09, 3859377.25	0.01807	6.59E-05	2.28E-08	6.89E-08	5.44E-08	4.71E-08	2.12E-08	7.62E-10	1.84E-08	1.29E-08	1.12E-08	3.34E-09	4.66E-08
488863.09, 3859377.25	0.02116	7.716E-05	2.67E-08	8.07E-08	6.37E-08	5.51E-08	2.48E-08	8.92E-10	2.15E-08	1.51E-08	1.31E-08	3.91E-09	5.46E-08
489363.09, 3859377.25	0.02287	8.34E-05	2.89E-08	8.72E-08	6.89E-08	5.96E-08	2.68E-08	9.64E-10	2.33E-08	1.64E-08	1.42E-08	4.23E-09	5.90E-08
489863.09, 3859377.25	0.02189	7.983E-05	2.76E-08	8.34E-08	6.59E-08	5.70E-08	2.56E-08	9.23E-10	2.23E-08	1.57E-08	1.35E-08	4.04E-09	5.65E-08
490363.09, 3859377.25	0.01877	6.845E-05	2.37E-08	7.15E-08	5.65E-08	4.89E-08	2.20E-08	7.91E-10	1.91E-08	1.34E-08	1.16E-08	3.47E-09	4.84E-08
490863.09, 3859377.25	0.01461	5.328E-05	1.84E-08	5.57E-08	4.40E-08	3.81E-08	1.71E-08	6.16E-10	1.49E-08	1.05E-08	9.04E-09	2.70E-09	3.77E-08
491363.09, 3859377.25	0.01007	3.672E-05	1.27E-08	3.84E-08	3.03E-08	2.62E-08	1.18E-08	4.24E-10	1.03E-08	7.20E-09	6.23E-09	1.86E-09	2.60E-08
491863.09, 3859377.25	0.01254	4.573E-05	1.58E-08	4.78E-08	3.78E-08	3.27E-08	1.47E-08	5.29E-10	1.28E-08	8.97E-09	7.76E-09	2.32E-09	3.23E-08
492363.09, 3859377.25	0.01353	4.934E-05	1.71E-08	5.16E-08	4.07E-08	3.52E-08	1.58E-08	5.70E-10	1.38E-08	9.68E-09	8.37E-09	2.50E-09	3.49E-08
492863.09, 3859377.25	0.01447	5.277E-05	1.83E-08	5.52E-08	4.36E-08	3.77E-08	1.70E-08	6.10E-10	1.47E-08	1.04E-08	8.96E-09	2.67E-09	3.73E-08
493363.09, 3859377.25	0.01215	4.431E-05	1.53E-08	4.63E-08	3.66E-08	3.17E-08	1.42E-08	5.12E-10	1.24E-08	8.69E-09	7.52E-09	2.24E-09	3.13E-08
493863.09, 3859377.25	0.01113	4.059E-05	1.40E-08	4.24E-08	3.35E-08	2.90E-08	1.30E-08	4.69E-10	1.13E-08	7.96E-09	6.89E-09	2.06E-09	2.87E-08
494363.09, 3859377.25	0.01156	4.216E-05	1.46E-08	4.41E-08	3.48E-08	3.01E-08	1.35E-08	4.87E-10	1.18E-08	8.27E-09	7.16E-09	2.14E-09	2.98E-08
494863.09, 3859377.25	0.01128	4.113E-05	1.42E-08	4.30E-08	3.40E-08	2.94E-08	1.32E-08	4.75E-10	1.15E-08	8.07E-09	6.98E-09	2.08E-09	2.91E-08
495363.09, 3859377.25	0.01167	4.256E-05	1.47E-08	4.45E-08	3.51E-08	3.04E-08	1.37E-08	4.92E-10	1.19E-08	8.35E-09	7.22E-09	2.16E-09	3.01E-08
495863.09, 3859377.25	0.01183	4.314E-05	1.49E-08	4.51E-08	3.56E-08	3.08E-08	1.39E-08	4.99E-10	1.20E-08	8.46E-09	7.32E-09	2.19E-09	3.05E-08
496363.09, 3859377.25	0.01303	4.752E-05	1.64E-08	4.97E-08	3.92E-08	3.39E-08	1.53E-08	5.49E-10	1.33E-08	9.32E-09	8.07E-09	2.41E-09	3.36E-08
496863.09, 3859377.25	0.01424	5.193E-05	1.80E-08	5.43E-08	4.29E-08	3.71E-08	1.67E-08	6.00E-10	1.45E-08	1.02E-08	8.81E-09	2.63E-09	3.67E-08
497363.09, 3859377.25	0.01766	6.44E-05	2.23E-08	6.73E-08	5.32E-08	4.60E-08	2.07E-08	7.44E-10	1.80E-08	1.26E-08	1.09E-08	3.26E-09	4.56E-08
497863.09, 3859377.25	0.02306	8.409E-05	2.91E-08	8.79E-08	6.94E-08	6.01E-08	2.70E-08	9.72E-10	2.35E-08	1.65E-08	1.43E-08	4.26E-09	5.95E-08
498363.09, 3859377.25	0.02976	0.0001085	3.76E-08	1.13E-07	8.96E-08	7.75E-08	3.49E-08	1.25E-09	3.03E-08	2.13E-08	1.84E-08	5.50E-09	7.68E-08
471363.09, 3859877.25	0.00178	6.491E-06	2.25E-09	6.78E-09	5.36E-09	4.64E-09	2.09E-09	7.50E-11	1.81E-09	1.27E-09	1.10E-09	3.29E-10	4.59E-09
471863.09, 3859877.25	0.00184	6.71E-06	2.32E-09	7.01E-09	5.54E-09	4.79E-09	2.16E-09	7.76E-11	1.87E-09	1.32E-09	1.14E-09	3.40E-10	4.75E-09
472363.09, 3859877.25	0.00187	6.819E-06	2.36E-09	7.13E-09	5.63E-09	4.87E-09	2.19E-09	7.88E-11	1.90E-09	1.34E-09	1.16E-09	3.46E-10	4.82E-09
472863.09, 3859877.25	0.00199	7.257E-06	2.51E-09	7.58E-09	5.99E-09	5.18E-09	2.33E-09	8.39E-11	2.03E-09	1.42E-09	1.23E-09	3.68E-10	5.13E-09
473363.09, 3859877.25	0.00209	7.622E-06	2.64E-09	7.97E-09	6.29E-09	5.44E-09	2.45E-09	8.81E-11	2.13E-09	1.50E-09	1.29E-09	3.86E-10	5.39E-09
473863.09, 3859877.25	0.00213	7.767E-06	2.69E-09	8.12E-09	6.41E-09	5.55E-09	2.50E-09	8.98E-11	2.17E-09	1.52E-09	1.32E-09	3.94E-10	5.49E-09
474363.09, 3859877.25	0.00177	6.455E-06	2.23E-09	6.75E-09	5.33E-09	4.61E-09	2.07E-09	7.46E-11	1.80E-09	1.27E-09	1.10E-09	3.27E-10	4.57E-09
474863.09, 3859877.25	0.00154	5.616E-06	1.94E-09	5.87E-09	4.64E-09	4.01E-09	1.80E-09	6.49E-11	1.57E-09	1.10E-09	9.53E-10	2.85E-10	3.97E-09
475363.09, 3859877.25	0.00131	4.777E-06	1.65E-09	4.99E-09	3.94E-09	3.41E-09	1.53E-09	5.52E-11	1.33E-09	9.37E-10	8.11E-10	2.42E-10	3.38E-09
475863.09, 3859877.25	0.00117	4.267E-06	1.48E-09	4.46E-09	3.52E-09	3.05E-09	1.37E-09	4.93E-11	1.19E-09	8.37E-10	7.24E-10	2.16E-10	3.02E-09
476363.09, 3859877.25	0.00109	3.975E-06	1.38E-09	4.15E-09	3.28E-09	2.84E-09	1.28E-09	4.59E-11	1.11E-09	7.80E-10	6.75E-10	2.01E-10	2.81E-09
476863.09, 3859877.25	0.00117	4.267E-06	1.48E-09	4.46E-09	3.52E-09	3.05E-09	1.37E-09	4.93E-11	1.19E-09	8.37E-10	7.24E-10	2.16E-10	3.02E-09
477363.09, 3859877.25	0.00123	4.485E-06	1.55E-09	4.69E-09	3.70E-09	3.20E-09	1.44E-09	5.18E-11	1.25E-09	8.80E-10	7.61E-10	2.27E-10	3.17E-09
477863.09, 3859877.25	0.00144	5.251E-06	1.82E-09	5.49E-09	4.34E-09	3.75E-09	1.69E-09	6.07E-11	1.47E-09	1.03E-09	8.91E-10	2.66E-10	3.71E-09
478363.09, 3859877.25	0.0017	6.199E-06	2.15E-09	6.48E-09	5.12E-09	4.43E-09	1.99E-09	7.17E-11	1.73E-09	1.22E-09	1.05E-09	3.14E-10	4.39E-09
478863.09, 3859877.25	0.00205	7.476E-06	2.59E-09	7.81E-09	6.17E-09	5.34E-09	2.40E-09	8.64E-11	2.09E-09	1.47E-09	1.27E-09	3.79E-10	5.29E-09
479363.09, 3859877.25	0.00257	9.372E-06	3.24E-09	9.80E-09	7.74E-09	6.70E-09	3.01E-09	1.08E-10	2.62E-09	1.84E-09	1.59E-09	4.75E-10	6.63E-09
479863.09, 3859877.25	0.00315	1.149E-05	3.98E-09	1.20E-08	9.48E-09	8.21E-09	3.69E-09	1.33E-10	3.21E-09	2.25E-09	1.95E-09	5.82E-10	8.13E-09
480363.09, 3859877.25	0.00393	1.433E-05	4.96E-09	1.50E-08	1.18E-08	1.02E-08	4.60E-09	1.66E-10	4.00E-09	2.81E-09	2.43E-09	7.26E-10	1.01E-08
480863.09, 3859877.25	0.00439	1.601E-05	5.54E-09	1.67E-08	1.32E-08	1.14E-08	5.14E-09	1.85E-10	4.47E-09	3.14E-09	2.72E-09	8.11E-10	1.13E-08
481363.09, 3859877.25	0.00474	1.729E-05	5.98E-09	1.81E-08	1.43E-08	1.23E-08	5.55E-09	2.00E-10	4.83E-09	3.39E-09	2.93E-09	8.76E-10	1.22E-08
481863.09, 3859877.25	0.00486	1.772E-05	6.14E-09	1.85E-08	1.46E-08	1.27E-08	5.69E-09	2.05E-10	4.95E-09	3.48E-09	3.01E-09	8.98E-10	1.25E-08
482363.09, 3859877.25	0.00507	1.849E-05	6.40E-09	1.93E-08	1.53E-08	1.32E-08	5.94E-09	2.14E-10	5.16E-09	3.63E-09	3.14E-09	9.37E-10	1.31E-08
482863.09, 3859877.25	0.00533	1.944E-05	6.73E-09	2.03E-08	1.60E-08	1.39E-08	6.24E-09	2.25E-10	5.43E-09	3.81E-09	3.30E-09	9.85E-10	1.37E-08
483363.09, 3859877.25	0.00581	2.119E-05	7.33E-09	2.21E-08	1.75E-08	1.51E-08	6.81E-09	2.45E-10	5.92E-09	4.16E-09	3.60E-09	1.07E-09	1.50E-08
483863.09, 3859877.25	0.00885	3.227E-05	1.12E-08	3.37E-08	2.66E-08	2.31E-08	1.04E-08	3.73E-10	9.01E-09	6.33E-09	5.48E-09	1.64E-09	2.28E-08
484363.09, 3859877.25	0.01041	3.796E-05	1.31E-08	3.97E-08	3.13E-08	2.71E-08	1.22E-08	4.39E-10	1.06E-08	7.45E-09	6.44E-09	1.92E-09	2.69E-08
484863.09, 3859877.25	0.01161	4.234E-05	1.47E-08	4.43E-08	3.50E-08	3.02E-08	1.36E-08	4.89E-10	1.18E-08	8.31E-09	7.19E-09	2.15E-09	2.99E-08
485363.09, 3859877.25	0.013	4.741E-05	1.64E-08	4.95E-08	3.91E-08	3.39E-08	1.52E-08	5.48E-10	1.32E-08	9.30E-09	8.05E-09	2.40E-09	3.35E-08
485863.09, 3859877.25	0.0146	5.324E-05	1.84E-08	5.56E-08	4.40E-08	3.80E-08	1.71E-08	6.15E-10	1.49E-08	1.04E-08	9.04E-09	2.70E-09	3.77E-08
486363.09, 3859877.25	0.01619	5.904E-05	2.04E-08	6.17E-08	4.87E-08	4.22E-08	1.90E-08	6.82E-10	1.65E-08	1.16E-08	1.00E-08	2.99E-09	4.18E-08
486863.09, 3859877.25	0.01735	6.327E-05	2.19E-08	6.61E-08	5.22E-08	4.52E-08	2.03E-08	7.31E-10	1.77E-08	1.24E-08	1.07E-08	3.21E-09	4.48E-08
487363.09, 3859877.25	0.01943	7.085E-05	2.45E-08	7.41E-08	5.85E-08	5.06E-08	2.28E-08	8.19E-10	1.98E-08	1.39E-08	1.20E-08	3.59E-09	5.01E-08
487863.09, 3859877.25	0.01951	7.115E-05	2.46E-08	7.44E-08	5.87E-08	5.08E-08	2.29E-08	8.22E-10	1.99E-08	1.40E-08	1.21E-08	3.60E-09	5.03E-08
488363.09, 3859877.25	0.02155	7.859E-05	2.72E-08	8.21E-08	6.49E-08	5.61E-08	2.52E-08	9.08E-10	2.19E-08	1.54E-08	1.33E-08	3.98E-09	5.56E-08
488863.09, 3859877.25	0.02159	7.873E-05	2.73E-08	8.23E-08	6.50E-08	5.62E-08	2.53E-08	9.10E-10	2.20E-08	1.54E-08	1.34E-08	3.99E-09	5.57E-08
489363.09, 3859877.25	0.02133	7.778E-05	2.69E-08	8.13E-08	6.42E-08	5.56E-08	2.50E-08	8.99E-10	2.17E-08	1.53E-08	1.32E-08	3.94E-09	5.50E-08

489863.09, 3859877.25	0.02395	8.734E-05	3.02E-08	9.13E-08	7.21E-08	6.24E-08	2.81E-08	1.01E-09	2.44E-08	1.71E-08	1.48E-08	4.43E-09	6.18E-08
490363.09, 3859877.25	0.033	0.0001203	4.17E-08	1.26E-07	9.94E-08	8.60E-08	3.87E-08	1.39E-09	3.36E-08	2.36E-08	2.04E-08	6.10E-09	8.51E-08
490863.09, 3859877.25	0.02866	0.0001045	3.62E-08	1.09E-07	8.63E-08	7.47E-08	3.36E-08	1.21E-09	2.92E-08	2.05E-08	1.77E-08	5.30E-09	7.39E-08
491363.09, 3859877.25	0.02892	0.0001055	3.65E-08	1.10E-07	8.71E-08	7.53E-08	3.39E-08	1.22E-09	2.94E-08	2.07E-08	1.79E-08	5.34E-09	7.46E-08
491863.09, 3859877.25	0.03021	0.0001102	3.81E-08	1.15E-07	9.10E-08	7.87E-08	3.54E-08	1.27E-09	3.08E-08	2.16E-08	1.87E-08	5.58E-09	7.79E-08
492363.09, 3859877.25	0.03041	0.0001109	3.84E-08	1.16E-07	9.16E-08	7.92E-08	3.56E-08	1.28E-09	3.10E-08	2.18E-08	1.88E-08	5.62E-09	7.84E-08
492863.09, 3859877.25	0.02627	9.58E-05	3.32E-08	1.00E-07	7.91E-08	6.84E-08	3.08E-08	1.11E-09	2.67E-08	1.88E-08	1.63E-08	4.85E-09	6.78E-08
493363.09, 3859877.25	0.02515	9.171E-05	3.17E-08	9.59E-08	7.57E-08	6.55E-08	2.95E-08	1.06E-09	2.56E-08	1.80E-08	1.56E-08	4.65E-09	6.49E-08
493863.09, 3859877.25	0.0254	9.263E-05	3.21E-08	9.68E-08	7.65E-08	6.62E-08	2.98E-08	1.07E-09	2.59E-08	1.82E-08	1.57E-08	4.69E-09	6.55E-08
494363.09, 3859877.25	0.02365	8.624E-05	2.99E-08	9.01E-08	7.12E-08	6.16E-08	2.77E-08	9.97E-10	2.41E-08	1.69E-08	1.46E-08	4.37E-09	6.10E-08
494863.09, 3859877.25	0.02555	9.317E-05	3.23E-08	9.74E-08	7.69E-08	6.66E-08	2.99E-08	1.08E-09	2.60E-08	1.83E-08	1.58E-08	4.72E-09	6.59E-08
495363.09, 3859877.25	0.02575	9.39E-05	3.25E-08	9.81E-08	7.75E-08	6.71E-08	3.02E-08	1.09E-09	2.62E-08	1.84E-08	1.59E-08	4.76E-09	6.64E-08
495863.09, 3859877.25	0.02532	9.233E-05	3.20E-08	9.65E-08	7.62E-08	6.60E-08	2.97E-08	1.07E-09	2.58E-08	1.81E-08	1.57E-08	4.68E-09	6.53E-08
496363.09, 3859877.25	0.02486	9.066E-05	3.14E-08	9.48E-08	7.48E-08	6.48E-08	2.91E-08	1.05E-09	2.53E-08	1.78E-08	1.54E-08	4.59E-09	6.41E-08
496863.09, 3859877.25	0.02426	8.847E-05	3.06E-08	9.25E-08	7.30E-08	6.32E-08	2.84E-08	1.02E-09	2.47E-08	1.74E-08	1.50E-08	4.48E-09	6.26E-08
497363.09, 3859877.25	0.03163	0.0001153	3.99E-08	1.21E-07	9.52E-08	8.24E-08	3.71E-08	1.33E-09	3.22E-08	2.26E-08	1.96E-08	5.84E-09	8.16E-08
497863.09, 3859877.25	0.04489	0.0001637	5.67E-08	1.71E-07	1.35E-07	1.17E-07	5.26E-08	1.89E-09	4.57E-08	3.21E-08	2.78E-08	8.29E-09	1.16E-07
498363.09, 3859877.25	0.06132	0.0002236	7.74E-08	2.34E-07	1.85E-07	1.60E-07	7.18E-08	2.58E-09	6.24E-08	4.39E-08	3.80E-08	1.13E-08	1.58E-07
471363.09, 3860377.25	0.00188	6.856E-06	2.37E-09	7.17E-09	5.66E-09	4.90E-09	2.20E-09	7.92E-11	1.91E-09	1.34E-09	1.16E-09	3.47E-10	4.85E-09
471863.09, 3860377.25	0.00194	7.075E-06	2.45E-09	7.39E-09	5.84E-09	5.05E-09	2.27E-09	8.18E-11	1.98E-09	1.39E-09	1.20E-09	3.58E-10	5.00E-09
472363.09, 3860377.25	0.00204	7.439E-06	2.58E-09	7.78E-09	6.14E-09	5.31E-09	2.39E-09	8.60E-11	2.08E-09	1.46E-09	1.26E-09	3.77E-10	5.26E-09
472863.09, 3860377.25	0.00217	7.913E-06	2.74E-09	8.27E-09	6.53E-09	5.65E-09	2.54E-09	9.15E-11	2.21E-09	1.55E-09	1.34E-09	4.01E-10	5.60E-09
473363.09, 3860377.25	0.00227	8.278E-06	2.87E-09	8.65E-09	6.83E-09	5.91E-09	2.66E-09	9.57E-11	2.31E-09	1.62E-09	1.41E-09	4.19E-10	5.86E-09
473863.09, 3860377.25	0.00229	8.351E-06	2.89E-09	8.73E-09	6.89E-09	5.97E-09	2.68E-09	9.65E-11	2.33E-09	1.64E-09	1.42E-09	4.23E-10	5.91E-09
474363.09, 3860377.25	0.00214	7.804E-06	2.70E-09	8.16E-09	6.44E-09	5.57E-09	2.51E-09	9.02E-11	2.18E-09	1.53E-09	1.32E-09	3.95E-10	5.52E-09
474863.09, 3860377.25	0.00189	6.892E-06	2.39E-09	7.20E-09	5.69E-09	4.92E-09	2.21E-09	7.97E-11	1.92E-09	1.35E-09	1.17E-09	3.49E-10	4.88E-09
475363.09, 3860377.25	0.00165	6.017E-06	2.08E-09	6.29E-09	4.97E-09	4.30E-09	1.93E-09	6.96E-11	1.68E-09	1.18E-09	1.02E-09	3.05E-10	4.26E-09
475863.09, 3860377.25	0.00149	5.434E-06	1.88E-09	5.68E-09	4.49E-09	3.88E-09	1.75E-09	6.28E-11	1.52E-09	1.07E-09	9.22E-10	2.75E-10	3.84E-09
476363.09, 3860377.25	0.00138	5.032E-06	1.74E-09	5.26E-09	4.15E-09	3.60E-09	1.62E-09	5.82E-11	1.41E-09	9.87E-10	8.54E-10	2.55E-10	3.56E-09
476863.09, 3860377.25	0.00137	4.996E-06	1.73E-09	5.22E-09	4.12E-09	3.57E-09	1.60E-09	5.78E-11	1.39E-09	9.80E-10	8.48E-10	2.53E-10	3.53E-09
477363.09, 3860377.25	0.00125	4.558E-06	1.58E-09	4.76E-09	3.76E-09	3.26E-09	1.46E-09	5.27E-11	1.27E-09	8.94E-10	7.74E-10	2.31E-10	3.22E-09
477863.09, 3860377.25	0.00135	4.923E-06	1.70E-09	5.15E-09	4.06E-09	3.52E-09	1.58E-09	5.69E-11	1.37E-09	9.66E-10	8.36E-10	2.49E-10	3.48E-09
478363.09, 3860377.25	0.00163	5.944E-06	2.06E-09	6.21E-09	4.91E-09	4.25E-09	1.91E-09	6.87E-11	1.66E-09	1.17E-09	1.01E-09	3.01E-10	4.20E-09
478863.09, 3860377.25	0.002	7.293E-06	2.52E-09	7.62E-09	6.02E-09	5.21E-09	2.34E-09	8.43E-11	2.04E-09	1.43E-09	1.24E-09	3.70E-10	5.16E-09
479363.09, 3860377.25	0.0025	9.117E-06	3.16E-09	9.53E-09	7.53E-09	6.51E-09	2.93E-09	1.05E-10	2.55E-09	1.79E-09	1.55E-09	4.62E-10	6.45E-09
479863.09, 3860377.25	0.00317	1.156E-05	4.00E-09	1.21E-08	9.54E-09	8.26E-09	3.71E-09	1.34E-10	3.23E-09	2.27E-09	1.96E-09	5.86E-10	8.18E-09
480363.09, 3860377.25	0.00389	1.419E-05	4.91E-09	1.48E-08	1.17E-08	1.01E-08	4.56E-09	1.64E-10	3.96E-09	2.78E-09	2.41E-09	7.19E-10	1.00E-08
480863.09, 3860377.25	0.00449	1.637E-05	5.67E-09	1.71E-08	1.35E-08	1.17E-08	5.26E-09	1.89E-10	4.57E-09	3.21E-09	2.78E-09	8.30E-10	1.16E-08
481363.09, 3860377.25	0.00484	1.765E-05	6.11E-09	1.84E-08	1.46E-08	1.26E-08	5.67E-09	2.04E-10	4.93E-09	3.46E-09	3.00E-09	8.94E-10	1.25E-08
481863.09, 3860377.25	0.00533	1.944E-05	6.73E-09	2.03E-08	1.60E-08	1.39E-08	6.24E-09	2.25E-10	5.43E-09	3.81E-09	3.30E-09	9.85E-10	1.37E-08
482363.09, 3860377.25	0.00571	2.082E-05	7.21E-09	2.18E-08	1.72E-08	1.49E-08	6.69E-09	2.41E-10	5.81E-09	4.08E-09	3.53E-09	1.06E-09	1.47E-08
482863.09, 3860377.25	0.00606	2.21E-05	7.65E-09	2.31E-08	1.82E-08	1.58E-08	7.10E-09	2.55E-10	6.17E-09	4.34E-09	3.75E-09	1.12E-09	1.56E-08
483363.09, 3860377.25	0.00714	2.604E-05	9.01E-09	2.72E-08	2.15E-08	1.86E-08	8.36E-09	3.01E-10	7.27E-09	5.11E-09	4.42E-09	1.32E-09	1.84E-08
483863.09, 3860377.25	0.00778	2.837E-05	9.82E-09	2.97E-08	2.34E-08	2.03E-08	9.11E-09	3.28E-10	7.92E-09	5.57E-09	4.82E-09	1.44E-09	2.01E-08
484363.09, 3860377.25	0.01063	3.876E-05	1.34E-08	4.05E-08	3.20E-08	2.77E-08	1.25E-08	4.48E-10	1.08E-08	7.60E-09	6.58E-09	1.96E-09	2.74E-08
484863.09, 3860377.25	0.0114	4.157E-05	1.44E-08	4.35E-08	3.43E-08	2.97E-08	1.34E-08	4.81E-10	1.16E-08	8.16E-09	7.06E-09	2.11E-09	2.94E-08
485363.09, 3860377.25	0.01227	4.474E-05	1.55E-08	4.68E-08	3.69E-08	3.20E-08	1.44E-08	5.17E-10	1.25E-08	8.78E-09	7.59E-09	2.27E-09	3.17E-08
485863.09, 3860377.25	0.01306	4.763E-05	1.65E-08	4.98E-08	3.93E-08	3.40E-08	1.53E-08	5.51E-10	1.33E-08	9.34E-09	8.08E-09	2.41E-09	3.37E-08
486363.09, 3860377.25	0.01446	5.273E-05	1.83E-08	5.51E-08	4.35E-08	3.77E-08	1.69E-08	6.10E-10	1.47E-08	1.03E-08	8.95E-09	2.67E-09	3.73E-08
486863.09, 3860377.25	0.01621	5.911E-05	2.05E-08	6.18E-08	4.88E-08	4.22E-08	1.90E-08	6.83E-10	1.65E-08	1.16E-08	1.00E-08	3.00E-09	4.18E-08
487363.09, 3860377.25	0.01847	6.735E-05	2.33E-08	7.04E-08	5.56E-08	4.81E-08	2.16E-08	7.79E-10	1.88E-08	1.32E-08	1.14E-08	3.41E-09	4.76E-08
487863.09, 3860377.25	0.02009	7.326E-05	2.54E-08	7.66E-08	6.05E-08	5.23E-08	2.35E-08	8.47E-10	2.05E-08	1.44E-08	1.24E-08	3.71E-09	5.18E-08
488363.09, 3860377.25	0.02269	8.274E-05	2.86E-08	8.65E-08	6.83E-08	5.91E-08	2.66E-08	9.56E-10	2.31E-08	1.62E-08	1.40E-08	4.19E-09	5.85E-08
488863.09, 3860377.25	0.02517	9.179E-05	3.18E-08	9.59E-08	7.58E-08	6.56E-08	2.95E-08	1.06E-09	2.56E-08	1.80E-08	1.56E-08	4.65E-09	6.49E-08
489363.09, 3860377.25	0.02821	0.0001029	3.56E-08	1.08E-07	8.49E-08	7.35E-08	3.30E-08	1.19E-09	2.87E-08	2.02E-08	1.75E-08	5.21E-09	7.28E-08
489863.09, 3860377.25	0.03001	0.0001094	3.79E-08	1.14E-07	9.04E-08	7.82E-08	3.52E-08	1.27E-09	3.06E-08	2.15E-08	1.86E-08	5.55E-09	7.74E-08
490363.09, 3860377.25	0.03631	0.0001324	4.58E-08	1.38E-07	1.09E-07	9.46E-08	4.25E-08	1.53E-09	3.70E-08	2.60E-08	2.25E-08	6.71E-09	9.37E-08
490863.09, 3860377.25	0.04424	0.0001613	5.58E-08	1.69E-07	1.33E-07	1.15E-07	5.18E-08	1.86E-09	4.50E-08	3.16E-08	2.74E-08	8.17E-09	1.14E-07
491363.09, 3860377.25	0.06244	0.0002277	7.88E-08	2.38E-07	1.88E-07	1.63E-07	7.31E-08	2.63E-09	6.36E-08	4.47E-08	3.86E-08	1.15E-08	1.61E-07
491863.09, 3860377.25	0.07962	0.0002903	1.01E-07	3.03E-07	2.40E-07	2.07E-07	9.33E-08	3.36E-09	8.11E-08	5.70E-08	4.93E-08	1.47E-08	2.05E-07
492363.09, 3860377.25	0.06791	0.0002476	8.57E-08	2.59E-07	2.04E-07	1.77E-07	7.96E-08	2.86E-09	6.91E-08	4.86E-08	4.20E-08	1.25E-08	1.75E-07
492863.09, 3860377.25	0.07309	0.0002665	9.23E-08	2.79E-07	2.20E-07	1.90E-07	8.56E-08	3.08E-09	7.44E-08	5.23E-08	4.52E-08	1.35E-08	1.89E-07
493363.09, 3860377.25	0.06745	0.000246	8.51E-08	2.57E-07	2.03E-07	1.76E-07	7.90E-08	2.84E-09	6.87E-08	4.83E-08	4.17E-08	1.25E-08	1.74E-07
493863.09, 3860377.25	0.08923	0.0003254	1.13E-07	3.40E-07	2.69E-07	2.32E-07	1.05E-07	3.76E-09	9.09E-08	6.38E-08	5.52E-08	1.65E-08	2.30E-07
494363.09, 3860377.25	0.0794	0.0002895	1.00E-07	3.03E-07	2.39E-07	2.07E-07	9.30E-08	3.35E-09	8.08E-08	5.68E-08	4.91E-08	1.47E-08	2.05E-07
494863.09, 3860377.25	0.08029	0.0002928	1.01E-07	3.06E-07	2.42E-07	2.09E-07	9.41E-08	3.38E-09	8.18E-08	5.74E-08	4.97E-08	1.48E-08	2.07E-07
495363.09, 3860377.25	0.07238	0.0002639	9.14E-08	2.76E-07	2.18E-07	1.89E-07	8.48E-08	3.05E-09	7.37E-08	5.18E-08	4.48E-08	1.34E-08	1.87E-07
495863.09, 3860377.25	0.05735	0.0002091	7.24E-08	2.19E-07	1.73E-07	1.49E-07	6.72E-08	2.42E-09	5.84E-08	4.10E-08	3.55E-08	1.06E-08	1.48E-07
496363.09, 3860377.25	0.05298	0.0001932	6.69E-08	2.02E-07	1.60E-07	1.38E-07	6.21E-08	2.23E-09	5.39E-08	3.79E-08	3.28E-08	9.79E-09	1.37E-07
496863.09, 3860377.25	0.0563	0.0002053	7.11E-08	2.15E-07	1.70E-07	1.47E-07	6.60E-08	2.37E-09	5.73E-08	4.03E-08	3.48E-08	1.04E-08	1.45E-07
497363.09, 3860377.25	0.05652	0.0002061	7.13E-08	2.15E-07	1.70E-07	1.47E-07	6.62E-08	2.38E-09	5.75E-08	4.04E-08	3.50E-08	1.04E-08	1.46E-07
497863.09, 3860377.25	0.07326	0.0002672	9.25E-08	2.79E-07	2.21E-07	1.91E-07	8.58E-08	3.09E-09	7.46E-08	5.24E-08	4.53E-08	1.35E-08	1.89E-07
498363.09, 3860377.25	0.09653	0.000352	1.22E-07	3.68E-07	2.91E-07	2.51E-07	1.13E-07	4.07E-09	9.83E-08	6.91E-08	5.97E-08	1.78E-08	2.49E-07
471363.09, 3860877.25	0.00217	7.913E-06	2.74E-09	8.27E-09	6.53E-09	5.65E-09	2.54E-09	9.15E-11	2.21E-09	1.55E-09	1.34E-09	4.01E-10	5.60E-09
471863.09, 3860877.25	0.00225	8.205E-06	2.84E-09	8.58E-09	6.77E-09	5.86E-09	2.64E-09	9.48E-11	2.29E-09	1.61E-09	1.39E-09	4.16E-10	5.80E-09
472363.09, 3860877.25	0.00231	8.424E-06	2.92E-09	8.80E-09	6.95E-09	6.02E-09	2.71E-09	9.74E-11	2.35E-09	1.65E-09	1.43E-09	4.27E-10	5.96E-09
472863.09, 3860877.25	0.00245	8.934E-06	3.09E-09	9.34E-09	7.38E-09	6.38E-09	2.87E-09	1.03E-10	2.49E-09	1.75E-09	1.52E-09	4.53E-10	6.32E-09
473363.09, 3860877.25	0.00249	9.08E-06	3.14E-09	9.49E-09	7.50E-09	6.49E-09	2.92E-09	1.05E-10	2.54E-09	1.78E-09	1.54E-09	4.60E-10	6.42E-09
473863.09, 3860877.25	0.0025	9.117E-06	3.16E-09	9.53E-09	7.53E-09	6.51E-09	2.93E-09	1.05E-10	2.55E-09	1.79E-09	1.55E-09	4.62E-10	6.45E-09
474363.09, 3860877.25	0.00244	8.898E-06	3.08E-09	9.30E-09	7.35E-09	6.36E-09	2.86E-09	1.03E-10	2.48E-09	1.75E-09	1.51E-09	4.51E-10	6.29E-09

474863.09, 3860877.25	0.00237	8.643E-06	2.99E-09	9.03E-09	7.14E-09	6.17E-09	2.78E-09	9.99E-11	2.41E-09	1.70E-09	1.47E-09	4.38E-10	6.11E-09
475363.09, 3860877.25	0.00214	7.804E-06	2.70E-09	8.16E-09	6.44E-09	5.57E-09	2.51E-09	9.02E-11	2.18E-09	1.53E-09	1.32E-09	3.95E-10	5.52E-09
475863.09, 3860877.25	0.0019	6.929E-06	2.40E-09	7.24E-09	5.72E-09	4.95E-09	2.23E-09	8.01E-11	1.93E-09	1.36E-09	1.18E-09	3.51E-10	4.90E-09
476363.09, 3860877.25	0.00169	6.163E-06	2.13E-09	6.44E-09	5.09E-09	4.40E-09	1.98E-09	7.12E-11	1.72E-09	1.21E-09	1.05E-09	3.12E-10	4.36E-09
476863.09, 3860877.25	0.00165	6.017E-06	2.08E-09	6.29E-09	4.97E-09	4.30E-09	1.93E-09	6.96E-11	1.68E-09	1.18E-09	1.02E-09	3.05E-10	4.26E-09
477363.09, 3860877.25	0.00169	6.163E-06	2.13E-09	6.44E-09	5.09E-09	4.40E-09	1.98E-09	7.12E-11	1.72E-09	1.21E-09	1.05E-09	3.12E-10	4.36E-09
477863.09, 3860877.25	0.00159	5.798E-06	2.01E-09	6.06E-09	4.79E-09	4.14E-09	1.86E-09	6.70E-11	1.62E-09	1.14E-09	9.84E-10	2.94E-10	4.10E-09
478363.09, 3860877.25	0.0014	5.105E-06	1.77E-09	5.34E-09	4.22E-09	3.65E-09	1.64E-09	5.90E-11	1.43E-09	1.00E-09	8.67E-10	2.59E-10	3.61E-09
478863.09, 3860877.25	0.00186	6.783E-06	2.35E-09	7.09E-09	5.60E-09	4.85E-09	2.18E-09	7.84E-11	1.89E-09	1.33E-09	1.15E-09	3.44E-10	4.80E-09
479363.09, 3860877.25	0.00245	8.934E-06	3.09E-09	9.34E-09	7.38E-09	6.38E-09	2.87E-09	1.03E-10	2.49E-09	1.75E-09	1.52E-09	4.53E-10	6.32E-09
479863.09, 3860877.25	0.0033	1.203E-05	4.17E-09	1.26E-08	9.94E-09	8.60E-09	3.87E-09	1.39E-10	3.36E-09	2.36E-09	2.04E-09	6.10E-10	8.51E-09
480363.09, 3860877.25	0.00412	1.502E-05	5.20E-09	1.57E-08	1.24E-08	1.07E-08	4.83E-09	1.74E-10	4.20E-09	2.95E-09	2.55E-09	7.61E-10	1.06E-08
480863.09, 3860877.25	0.00466	1.699E-05	5.88E-09	1.78E-08	1.40E-08	1.21E-08	5.46E-09	1.96E-10	4.74E-09	3.33E-09	2.88E-09	8.61E-10	1.20E-08
481363.09, 3860877.25	0.00516	1.882E-05	6.51E-09	1.97E-08	1.55E-08	1.34E-08	6.04E-09	2.18E-10	5.25E-09	3.69E-09	3.19E-09	9.53E-10	1.33E-08
481863.09, 3860877.25	0.00539	1.966E-05	6.80E-09	2.05E-08	1.62E-08	1.40E-08	6.31E-09	2.27E-10	5.49E-09	3.86E-09	3.34E-09	9.96E-10	1.39E-08
482363.09, 3860877.25	0.00595	2.17E-05	7.51E-09	2.27E-08	1.79E-08	1.55E-08	6.97E-09	2.51E-10	6.06E-09	4.26E-09	3.68E-09	1.10E-09	1.53E-08
482863.09, 3860877.25	0.00632	2.305E-05	7.98E-09	2.41E-08	1.90E-08	1.65E-08	7.40E-09	2.66E-10	6.44E-09	4.52E-09	3.91E-09	1.17E-09	1.63E-08
483363.09, 3860877.25	0.00682	2.487E-05	8.61E-09	2.60E-08	2.05E-08	1.78E-08	7.99E-09	2.87E-10	6.94E-09	4.88E-09	4.22E-09	1.26E-09	1.76E-08
483863.09, 3860877.25	0.00758	2.764E-05	9.57E-09	2.89E-08	2.28E-08	1.97E-08	8.88E-09	3.20E-10	7.72E-09	5.42E-09	4.69E-09	1.40E-09	1.96E-08
484363.09, 3860877.25	0.00948	3.457E-05	1.20E-08	3.61E-08	2.85E-08	2.47E-08	1.11E-08	4.00E-10	9.65E-09	6.78E-09	5.87E-09	1.75E-09	2.45E-08
484863.09, 3860877.25	0.01174	4.281E-05	1.48E-08	4.47E-08	3.53E-08	3.06E-08	1.38E-08	4.95E-10	1.20E-08	8.40E-09	7.27E-09	2.17E-09	3.03E-08
485363.09, 3860877.25	0.01264	4.609E-05	1.60E-08	4.82E-08	3.81E-08	3.29E-08	1.48E-08	5.33E-10	1.29E-08	9.04E-09	7.82E-09	2.34E-09	3.26E-08
485863.09, 3860877.25	0.01317	4.803E-05	1.66E-08	5.02E-08	3.97E-08	3.43E-08	1.54E-08	5.55E-10	1.34E-08	9.42E-09	8.15E-09	2.43E-09	3.40E-08
486363.09, 3860877.25	0.01528	5.572E-05	1.93E-08	5.82E-08	4.60E-08	3.98E-08	1.79E-08	6.44E-10	1.56E-08	1.09E-08	9.46E-09	2.82E-09	3.94E-08
486863.09, 3860877.25	0.01703	6.21E-05	2.15E-08	6.49E-08	5.13E-08	4.44E-08	1.99E-08	7.18E-10	1.73E-08	1.22E-08	1.05E-08	3.15E-09	4.39E-08
487363.09, 3860877.25	0.01888	6.885E-05	2.38E-08	7.20E-08	5.68E-08	4.92E-08	2.21E-08	7.96E-10	1.92E-08	1.35E-08	1.17E-08	3.49E-09	4.87E-08
487863.09, 3860877.25	0.0211	7.694E-05	2.66E-08	8.04E-08	6.35E-08	5.50E-08	2.47E-08	8.89E-10	2.15E-08	1.51E-08	1.31E-08	3.90E-09	5.44E-08
488363.09, 3860877.25	0.02054	7.49E-05	2.59E-08	7.83E-08	6.18E-08	5.35E-08	2.41E-08	8.66E-10	2.09E-08	1.47E-08	1.27E-08	3.80E-09	5.30E-08
488863.09, 3860877.25	0.02491	9.084E-05	3.14E-08	9.49E-08	7.50E-08	6.49E-08	2.92E-08	1.05E-09	2.54E-08	1.78E-08	1.54E-08	4.60E-09	6.43E-08
489363.09, 3860877.25	0.02501	9.12E-05	3.16E-08	9.53E-08	7.53E-08	6.52E-08	2.93E-08	1.05E-09	2.55E-08	1.79E-08	1.55E-08	4.62E-09	6.45E-08
489863.09, 3860877.25	0.03483	0.000127	4.40E-08	1.33E-07	1.05E-07	9.07E-08	4.08E-08	1.47E-09	3.55E-08	2.49E-08	2.16E-08	6.44E-09	8.98E-08
490363.09, 3860877.25	0.04141	0.000151	5.23E-08	1.58E-07	1.25E-07	1.08E-07	4.85E-08	1.75E-09	4.22E-08	2.96E-08	2.56E-08	7.65E-09	1.07E-07
490863.09, 3860877.25	0.05244	0.0001912	6.62E-08	2.00E-07	1.58E-07	1.37E-07	6.14E-08	2.21E-09	5.34E-08	3.75E-08	3.25E-08	9.69E-09	1.35E-07
491363.09, 3860877.25	0.07008	0.0002556	8.85E-08	2.67E-07	2.11E-07	1.83E-07	8.21E-08	2.95E-09	7.14E-08	5.01E-08	4.34E-08	1.29E-08	1.81E-07
491863.09, 3860877.25	0.09838	0.0003588	1.24E-07	3.75E-07	2.96E-07	2.56E-07	1.15E-07	4.15E-09	1.00E-07	7.04E-08	6.09E-08	1.82E-08	2.54E-07
492363.09, 3860877.25	0.33365	0.0012167	4.21E-07	1.27E-06	1.00E-06	8.69E-07	3.91E-07	1.41E-08	3.40E-07	2.39E-07	2.07E-07	6.16E-08	8.61E-07
492863.09, 3860877.25	1.47674	0.0053852	1.86E-06	5.63E-06	4.45E-06	3.85E-06	1.73E-06	6.22E-08	1.50E-06	1.06E-06	9.14E-07	2.73E-07	3.81E-06
493363.09, 3860877.25	0.5713	0.0020833	7.21E-07	2.18E-06	1.72E-06	1.49E-06	6.69E-07	2.41E-08	5.82E-07	4.09E-07	3.54E-07	1.06E-07	1.47E-06
493863.09, 3860877.25	0.48308	0.0017616	6.10E-07	1.84E-06	1.45E-06	1.26E-06	5.66E-07	2.04E-08	4.92E-07	3.46E-07	2.99E-07	8.93E-08	1.25E-06
494363.09, 3860877.25	0.41128	0.0014998	5.19E-07	1.57E-06	1.24E-06	1.07E-06	4.82E-07	1.73E-08	4.19E-07	2.94E-07	2.55E-07	7.60E-08	1.06E-06
494863.09, 3860877.25	0.31828	0.0011607	4.02E-07	1.21E-06	9.58E-07	8.29E-07	3.73E-07	1.34E-08	3.24E-07	2.28E-07	1.97E-07	5.88E-08	8.21E-07
495363.09, 3860877.25	0.2569	0.0009368	3.24E-07	9.79E-07	7.73E-07	6.69E-07	3.01E-07	1.08E-08	2.62E-07	1.84E-07	1.59E-07	4.75E-08	6.63E-07
495863.09, 3860877.25	0.24259	0.0008846	3.06E-07	9.25E-07	7.30E-07	6.32E-07	2.84E-07	1.02E-08	2.47E-07	1.74E-07	1.50E-07	4.48E-08	6.26E-07
496363.09, 3860877.25	0.19747	0.0007201	2.49E-07	7.53E-07	5.95E-07	5.14E-07	2.31E-07	8.32E-09	2.01E-07	1.41E-07	1.22E-07	3.65E-08	5.09E-07
496863.09, 3860877.25	0.14894	0.0005431	1.88E-07	5.68E-07	4.48E-07	3.88E-07	1.74E-07	6.28E-09	1.52E-07	1.07E-07	9.22E-08	2.75E-08	3.84E-07
497363.09, 3860877.25	0.15548	0.000567	1.96E-07	5.93E-07	4.68E-07	4.05E-07	1.82E-07	6.55E-09	1.58E-07	1.11E-07	9.62E-08	2.87E-08	4.01E-07
497863.09, 3860877.25	0.14627	0.0005334	1.85E-07	5.58E-07	4.40E-07	3.81E-07	1.71E-07	6.17E-09	1.49E-07	1.05E-07	9.05E-08	2.70E-08	3.77E-07
498363.09, 3860877.25	0.16946	0.000618	2.14E-07	6.46E-07	5.10E-07	4.41E-07	1.99E-07	7.14E-09	1.73E-07	1.21E-07	1.05E-07	3.13E-08	4.37E-07
471363.09, 3861377.25	0.00219	7.986E-06	2.76E-09	8.35E-09	6.59E-09	5.71E-09	2.57E-09	9.23E-11	2.23E-09	1.57E-09	1.36E-09	4.05E-10	5.65E-09
471863.09, 3861377.25	0.00227	8.278E-06	2.87E-09	8.65E-09	6.83E-09	5.91E-09	2.66E-09	9.57E-11	2.31E-09	1.62E-09	1.41E-09	4.19E-10	5.86E-09
472363.09, 3861377.25	0.00236	8.606E-06	2.98E-09	9.00E-09	7.11E-09	6.15E-09	2.76E-09	9.95E-11	2.40E-09	1.69E-09	1.46E-09	4.36E-10	6.09E-09
472863.09, 3861377.25	0.00251	9.153E-06	3.17E-09	9.57E-09	7.56E-09	6.54E-09	2.94E-09	1.06E-10	2.56E-09	1.80E-09	1.55E-09	4.64E-10	6.47E-09
473363.09, 3861377.25	0.00258	9.408E-06	3.26E-09	9.83E-09	7.77E-09	6.72E-09	3.02E-09	1.09E-10	2.63E-09	1.85E-09	1.60E-09	4.77E-10	6.66E-09
473863.09, 3861377.25	0.00254	9.263E-06	3.21E-09	9.68E-09	7.65E-09	6.62E-09	2.98E-09	1.07E-10	2.59E-09	1.82E-09	1.57E-09	4.69E-10	6.55E-09
474363.09, 3861377.25	0.00269	9.81E-06	3.40E-09	1.03E-08	8.10E-09	7.01E-09	3.15E-09	1.13E-10	2.74E-09	1.92E-09	1.67E-09	4.97E-10	6.94E-09
474863.09, 3861377.25	0.00259	9.445E-06	3.27E-09	9.87E-09	7.80E-09	6.75E-09	3.03E-09	1.09E-10	2.64E-09	1.85E-09	1.60E-09	4.79E-10	6.68E-09
475363.09, 3861377.25	0.00274	9.992E-06	3.46E-09	1.04E-08	8.25E-09	7.14E-09	3.21E-09	1.16E-10	2.79E-09	1.96E-09	1.70E-09	5.06E-10	7.07E-09
475863.09, 3861377.25	0.00249	9.08E-06	3.14E-09	9.49E-09	7.50E-09	6.49E-09	2.92E-09	1.05E-10	2.54E-09	1.78E-09	1.54E-09	4.60E-10	6.42E-09
476363.09, 3861377.25	0.00226	8.241E-06	2.85E-09	8.61E-09	6.80E-09	5.89E-09	2.65E-09	9.53E-11	2.30E-09	1.62E-09	1.40E-09	4.18E-10	5.83E-09
476863.09, 3861377.25	0.00214	7.804E-06	2.70E-09	8.16E-09	6.44E-09	5.57E-09	2.51E-09	9.02E-11	2.18E-09	1.53E-09	1.32E-09	3.95E-10	5.52E-09
477363.09, 3861377.25	0.00209	7.622E-06	2.64E-09	7.97E-09	6.29E-09	5.44E-09	2.45E-09	8.81E-11	2.13E-09	1.50E-09	1.29E-09	3.86E-10	5.39E-09
477863.09, 3861377.25	0.00177	6.455E-06	2.23E-09	6.75E-09	5.33E-09	4.61E-09	2.07E-09	7.46E-11	1.80E-09	1.27E-09	1.10E-09	3.27E-10	4.57E-09
478363.09, 3861377.25	0.00146	5.324E-06	1.84E-09	5.56E-09	4.40E-09	3.80E-09	1.71E-09	6.15E-11	1.49E-09	1.04E-09	9.04E-10	2.70E-10	3.77E-09
478863.09, 3861377.25	0.0016	5.835E-06	2.02E-09	6.10E-09	4.82E-09	4.17E-09	1.87E-09	6.74E-11	1.63E-09	1.14E-09	9.90E-10	2.96E-10	4.13E-09
479363.09, 3861377.25	0.00233	8.497E-06	2.94E-09	8.88E-09	7.02E-09	6.07E-09	2.73E-09	9.82E-11	2.37E-09	1.67E-09	1.44E-09	4.31E-10	6.01E-09
479863.09, 3861377.25	0.00333	1.214E-05	4.20E-09	1.27E-08	1.00E-08	8.68E-09	3.90E-09	1.40E-10	3.39E-09	2.38E-09	2.06E-09	6.15E-10	8.59E-09
480363.09, 3861377.25	0.00453	1.652E-05	5.72E-09	1.73E-08	1.36E-08	1.18E-08	5.31E-09	1.91E-10	4.61E-09	3.24E-09	2.80E-09	8.37E-10	1.17E-08
480863.09, 3861377.25	0.00532	1.94E-05	6.72E-09	2.03E-08	1.60E-08	1.39E-08	6.23E-09	2.24E-10	5.42E-09	3.81E-09	3.29E-09	9.83E-10	1.37E-08
481363.09, 3861377.25	0.00588	2.144E-05	7.42E-09	2.24E-08	1.77E-08	1.53E-08	6.89E-09	2.48E-10	5.99E-09	4.21E-09	3.64E-09	1.09E-09	1.52E-08
481863.09, 3861377.25	0.00618	2.254E-05	7.80E-09	2.36E-08	1.86E-08	1.61E-08	7.24E-09	2.61E-10	6.29E-09	4.42E-09	3.83E-09	1.14E-09	1.59E-08
482363.09, 3861377.25	0.00671	2.447E-05	8.47E-09	2.56E-08	2.02E-08	1.75E-08	7.86E-09	2.83E-10	6.83E-09	4.80E-09	4.15E-09	1.24E-09	1.73E-08
482863.09, 3861377.25	0.00727	2.651E-05	9.18E-09	2.77E-08	2.19E-08	1.89E-08	8.52E-09	3.06E-10	7.40E-09	5.20E-09	4.50E-09	1.34E-09	1.88E-08
483363.09, 3861377.25	0.00785	2.863E-05	9.91E-09	2.99E-08	2.36E-08	2.05E-08	9.20E-09	3.31E-10	7.99E-09	5.62E-09	4.86E-09	1.45E-09	2.02E-08
483863.09, 3861377.25	0.00881	3.213E-05	1.11E-08	3.36E-08	2.65E-08	2.30E-08	1.03E-08	3.71E-10	8.97E-09	6.30E-09	5.45E-09	1.63E-09	2.27E-08
484363.09, 3861377.25	0.00915	3.337E-05	1.16E-08	3.49E-08	2.75E-08	2.38E-08	1.07E-08	3.86E-10	9.32E-09	6.55E-09	5.66E-09	1.69E-09	2.36E-08
484863.09, 3861377.25	0.01185	4.321E-05	1.50E-08	4.52E-08	3.57E-08	3.09E-08	1.39E-08	5.00E-10	1.21E-08	8.48E-09	7.33E-09	2.19E-09	3.06E-08
485363.09, 3861377.25	0.01398	5.098E-05	1.76E-08	5.33E-08	4.21E-08	3.64E-08	1.64E-08	5.89E-10	1.42E-08	1.00E-08	8.65E-09	2.58E-09	3.61E-08
485863.09, 3861377.25	0.01498	5.463E-05	1.89E-08	5.71E-08	4.51E-08	3.90E-08	1.75E-08	6.31E-10	1.53E-08	1.07E-08	9.27E-09	2.77E-09	3.86E-08
486363.09, 3861377.25	0.01652	6.024E-05	2.09E-08	6.30E-08	4.97E-08	4.30E-08	1.94E-08	6.96E-10	1.68E-08	1.18E-08	1.02E-08	3.05E-09	4.26E-08
486863.09, 3861377.25	0.01821	6.641E-05	2.30E-08	6.94E-08	5.48E-08	4.74E-08	2.13E-08	7.68E-10	1.85E-08	1.30E-08	1.13E-08	3.36E-09	4.70E-08

487363.09, 3861377.25	0.02036	7.425E-05	2.57E-08	7.76E-08	6.13E-08	5.30E-08	2.39E-08	8.58E-10	2.07E-08	1.46E-08	1.26E-08	3.76E-09	5.25E-08
487863.09, 3861377.25	0.02273	8.289E-05	2.87E-08	8.66E-08	6.84E-08	5.92E-08	2.66E-08	9.58E-10	2.31E-08	1.63E-08	1.41E-08	4.20E-09	5.86E-08
488363.09, 3861377.25	0.02619	9.551E-05	3.31E-08	9.98E-08	7.89E-08	6.82E-08	3.07E-08	1.10E-09	2.67E-08	1.87E-08	1.62E-08	4.84E-09	6.76E-08
488863.09, 3861377.25	0.029	0.0001058	3.66E-08	1.11E-07	8.73E-08	7.55E-08	3.40E-08	1.22E-09	2.95E-08	2.07E-08	1.80E-08	5.36E-09	7.48E-08
489363.09, 3861377.25	0.03408	0.0001243	4.30E-08	1.30E-07	1.03E-07	8.88E-08	3.99E-08	1.44E-09	3.47E-08	2.44E-08	2.11E-08	6.30E-09	8.79E-08
489863.09, 3861377.25	0.03954	0.0001442	4.99E-08	1.51E-07	1.19E-07	1.03E-07	4.63E-08	1.67E-09	4.03E-08	2.83E-08	2.45E-08	7.31E-09	1.02E-07
490363.09, 3861377.25	0.04863	0.0001773	6.14E-08	1.85E-07	1.46E-07	1.27E-07	5.70E-08	2.05E-09	4.95E-08	3.48E-08	3.01E-08	8.99E-09	1.25E-07
490863.09, 3861377.25	0.06059	0.000221	7.65E-08	2.31E-07	1.82E-07	1.58E-07	7.10E-08	2.55E-09	6.17E-08	4.33E-08	3.75E-08	1.12E-08	1.56E-07
491363.09, 3861377.25	0.07896	0.0002879	9.97E-08	3.01E-07	2.38E-07	2.06E-07	9.25E-08	3.33E-09	8.04E-08	5.65E-08	4.89E-08	1.46E-08	2.04E-07
491863.09, 3861377.25	0.10923	0.0003983	1.38E-07	4.16E-07	3.29E-07	2.85E-07	1.28E-07	4.60E-09	1.11E-07	7.81E-08	6.76E-08	2.02E-08	2.82E-07
492363.09, 3861377.25	0.18497	0.0006745	2.33E-07	7.05E-07	5.57E-07	4.82E-07	2.17E-07	7.80E-09	1.88E-07	1.32E-07	1.14E-07	3.42E-08	4.77E-07
492863.09, 3861377.25	0.30768	0.001122	3.88E-07	1.17E-06	9.26E-07	8.02E-07	3.60E-07	1.30E-08	3.13E-07	2.20E-07	1.90E-07	5.69E-08	7.94E-07
493363.09, 3861377.25	0.5424	0.001978	6.85E-07	2.07E-06	1.63E-06	1.41E-06	6.35E-07	2.29E-08	5.52E-07	3.88E-07	3.36E-07	1.00E-07	1.40E-06
493863.09, 3861377.25	1.10513	0.00403	1.40E-06	4.21E-06	3.33E-06	2.88E-06	1.29E-06	4.66E-08	1.13E-06	7.91E-07	6.84E-07	2.04E-07	2.85E-06
494363.09, 3861377.25	4.19193	0.0152866	5.29E-06	1.60E-05	1.26E-05	1.09E-05	4.91E-06	1.77E-07	4.27E-06	3.00E-06	2.59E-06	7.75E-07	1.08E-05
494863.09, 3861377.25	2.18158	0.0079555	2.75E-06	8.32E-06	6.57E-06	5.68E-06	2.56E-06	9.20E-08	2.22E-06	1.56E-06	1.35E-06	4.03E-07	5.63E-06
495363.09, 3861377.25	1.72418	0.0062875	2.18E-06	6.57E-06	5.19E-06	4.49E-06	2.02E-06	7.27E-08	1.76E-06	1.23E-06	1.07E-06	3.19E-07	4.45E-06
495863.09, 3861377.25	1.75944	0.0064161	2.22E-06	6.71E-06	5.30E-06	4.58E-06	2.06E-06	7.42E-08	1.79E-06	1.26E-06	1.09E-06	3.25E-07	4.54E-06
496363.09, 3861377.25	1.34722	0.0049129	1.70E-06	5.13E-06	4.06E-06	3.51E-06	1.58E-06	5.68E-08	1.37E-06	9.64E-07	8.34E-07	2.49E-07	3.48E-06
496863.09, 3861377.25	0.70641	0.002576	8.92E-07	2.69E-06	2.13E-06	1.84E-06	8.28E-07	2.98E-08	7.19E-07	5.05E-07	4.37E-07	1.31E-07	1.82E-06
497363.09, 3861377.25	0.58674	0.0021396	7.41E-07	2.24E-06	1.77E-06	1.53E-06	6.87E-07	2.47E-08	5.97E-07	4.20E-07	3.63E-07	1.08E-07	1.51E-06
497863.09, 3861377.25	0.4547	0.0016581	5.74E-07	1.73E-06	1.37E-06	1.18E-06	5.33E-07	1.92E-08	4.63E-07	3.25E-07	2.81E-07	8.40E-08	1.17E-06
498363.09, 3861377.25	0.37619	0.0013718	4.75E-07	1.43E-06	1.13E-06	9.80E-07	4.41E-07	1.59E-08	3.83E-07	2.69E-07	2.33E-07	6.95E-08	9.70E-07
471363.09, 3861877.25	0.00201	7.33E-06	2.54E-09	7.66E-09	6.05E-09	5.24E-09	2.35E-09	8.47E-11	2.05E-09	1.44E-09	1.24E-09	3.71E-10	5.18E-09
471863.09, 3861877.25	0.00208	7.585E-06	2.63E-09	7.93E-09	6.26E-09	5.42E-09	2.44E-09	8.77E-11	2.12E-09	1.49E-09	1.29E-09	3.84E-10	5.37E-09
472363.09, 3861877.25	0.00216	7.877E-06	2.73E-09	8.23E-09	6.50E-09	5.63E-09	2.53E-09	9.11E-11	2.20E-09	1.55E-09	1.34E-09	3.99E-10	5.57E-09
472863.09, 3861877.25	0.00227	8.278E-06	2.87E-09	8.65E-09	6.83E-09	5.91E-09	2.66E-09	9.57E-11	2.31E-09	1.62E-09	1.41E-09	4.19E-10	5.86E-09
473363.09, 3861877.25	0.00236	8.606E-06	2.98E-09	9.00E-09	7.11E-09	6.15E-09	2.76E-09	9.95E-11	2.40E-09	1.69E-09	1.46E-09	4.36E-10	6.09E-09
473863.09, 3861877.25	0.00237	8.643E-06	2.99E-09	9.03E-09	7.14E-09	6.17E-09	2.78E-09	9.99E-11	2.41E-09	1.70E-09	1.47E-09	4.38E-10	6.11E-09
474363.09, 3861877.25	0.00246	8.971E-06	3.11E-09	9.38E-09	7.41E-09	6.41E-09	2.88E-09	1.04E-10	2.50E-09	1.76E-09	1.52E-09	4.55E-10	6.35E-09
474863.09, 3861877.25	0.00249	9.08E-06	3.14E-09	9.49E-09	7.50E-09	6.49E-09	2.92E-09	1.05E-10	2.54E-09	1.78E-09	1.54E-09	4.60E-10	6.42E-09
475363.09, 3861877.25	0.00258	9.408E-06	3.26E-09	9.83E-09	7.77E-09	6.72E-09	3.02E-09	1.09E-10	2.63E-09	1.85E-09	1.60E-09	4.77E-10	6.66E-09
475863.09, 3861877.25	0.00274	9.992E-06	3.46E-09	1.04E-08	8.25E-09	7.14E-09	3.21E-09	1.16E-10	2.79E-09	1.96E-09	1.70E-09	5.06E-10	7.07E-09
476363.09, 3861877.25	0.00271	9.882E-06	3.42E-09	1.03E-08	8.16E-09	7.06E-09	3.17E-09	1.14E-10	2.76E-09	1.94E-09	1.68E-09	5.01E-10	6.99E-09
476863.09, 3861877.25	0.00248	9.044E-06	3.13E-09	9.45E-09	7.47E-09	6.46E-09	2.91E-09	1.05E-10	2.53E-09	1.77E-09	1.54E-09	4.58E-10	6.40E-09
477363.09, 3861877.25	0.00227	8.278E-06	2.87E-09	8.65E-09	6.83E-09	5.91E-09	2.66E-09	9.57E-11	2.31E-09	1.62E-09	1.41E-09	4.19E-10	5.86E-09
477863.09, 3861877.25	0.00165	6.017E-06	2.08E-09	6.29E-09	4.97E-09	4.30E-09	1.93E-09	6.96E-11	1.68E-09	1.18E-09	1.02E-09	3.05E-10	4.26E-09
478363.09, 3861877.25	0.0013	4.741E-06	1.64E-09	4.95E-09	3.91E-09	3.39E-09	1.52E-09	5.48E-11	1.32E-09	9.30E-10	8.05E-10	2.40E-10	3.35E-09
478863.09, 3861877.25	0.00159	5.798E-06	2.01E-09	6.06E-09	4.79E-09	4.14E-09	1.86E-09	6.70E-11	1.62E-09	1.14E-09	9.84E-10	2.94E-10	4.10E-09
479363.09, 3861877.25	0.00154	5.616E-06	1.94E-09	5.87E-09	4.64E-09	4.01E-09	1.80E-09	6.49E-11	1.57E-09	1.10E-09	9.53E-10	2.85E-10	3.97E-09
479863.09, 3861877.25	0.00284	1.036E-05	3.59E-09	1.08E-08	8.55E-09	7.40E-09	3.33E-09	1.20E-10	2.89E-09	2.03E-09	1.76E-09	5.25E-10	7.33E-09
480363.09, 3861877.25	0.00446	1.626E-05	5.63E-09	1.70E-08	1.34E-08	1.16E-08	5.22E-09	1.88E-10	4.54E-09	3.19E-09	2.76E-09	8.24E-10	1.15E-08
480863.09, 3861877.25	0.00521	1.9E-05	6.58E-09	1.99E-08	1.57E-08	1.36E-08	6.10E-09	2.20E-10	5.30E-09	3.73E-09	3.22E-09	9.63E-10	1.34E-08
481363.09, 3861877.25	0.00582	2.122E-05	7.35E-09	2.22E-08	1.75E-08	1.52E-08	6.82E-09	2.45E-10	5.93E-09	4.16E-09	3.60E-09	1.08E-09	1.50E-08
481863.09, 3861877.25	0.00625	2.279E-05	7.89E-09	2.38E-08	1.88E-08	1.63E-08	7.32E-09	2.63E-10	6.36E-09	4.47E-09	3.87E-09	1.15E-09	1.61E-08
482363.09, 3861877.25	0.00676	2.465E-05	8.53E-09	2.58E-08	2.04E-08	1.76E-08	7.92E-09	2.85E-10	6.88E-09	4.84E-09	4.18E-09	1.25E-09	1.74E-08
482863.09, 3861877.25	0.00712	2.596E-05	8.99E-09	2.71E-08	2.14E-08	1.85E-08	8.34E-09	3.00E-10	7.25E-09	5.09E-09	4.41E-09	1.32E-09	1.84E-08
483363.09, 3861877.25	0.00784	2.859E-05	9.90E-09	2.99E-08	2.36E-08	2.04E-08	9.18E-09	3.30E-10	7.98E-09	5.61E-09	4.85E-09	1.45E-09	2.02E-08
483863.09, 3861877.25	0.00871	3.176E-05	1.10E-08	3.32E-08	2.62E-08	2.27E-08	1.02E-08	3.67E-10	8.87E-09	6.23E-09	5.39E-09	1.61E-09	2.25E-08
484363.09, 3861877.25	0.01024	3.734E-05	1.29E-08	3.90E-08	3.08E-08	2.67E-08	1.20E-08	4.32E-10	1.04E-08	7.33E-09	6.34E-09	1.89E-09	2.64E-08
484863.09, 3861877.25	0.01093	3.986E-05	1.38E-08	4.17E-08	3.29E-08	2.85E-08	1.28E-08	4.61E-10	1.11E-08	7.82E-09	6.77E-09	2.02E-09	2.82E-08
485363.09, 3861877.25	0.0132	4.814E-05	1.67E-08	5.03E-08	3.97E-08	3.44E-08	1.55E-08	5.56E-10	1.34E-08	9.44E-09	8.17E-09	2.44E-09	3.40E-08
485863.09, 3861877.25	0.01568	5.718E-05	1.98E-08	5.98E-08	4.72E-08	4.08E-08	1.84E-08	6.61E-10	1.60E-08	1.12E-08	9.71E-09	2.90E-09	4.04E-08
486363.09, 3861877.25	0.01722	6.28E-05	2.17E-08	6.56E-08	5.18E-08	4.49E-08	2.02E-08	7.26E-10	1.75E-08	1.23E-08	1.07E-08	3.18E-09	4.44E-08
486863.09, 3861877.25	0.01909	6.961E-05	2.41E-08	7.28E-08	5.75E-08	4.97E-08	2.24E-08	8.05E-10	1.94E-08	1.37E-08	1.18E-08	3.53E-09	4.92E-08
487363.09, 3861877.25	0.02131	7.771E-05	2.69E-08	8.12E-08	6.42E-08	5.55E-08	2.50E-08	8.98E-10	2.17E-08	1.52E-08	1.32E-08	3.94E-09	5.50E-08
487863.09, 3861877.25	0.02431	8.865E-05	3.07E-08	9.27E-08	7.32E-08	6.33E-08	2.85E-08	1.02E-09	2.48E-08	1.74E-08	1.50E-08	4.49E-09	6.27E-08
488363.09, 3861877.25	0.02802	0.0001022	3.54E-08	1.07E-07	8.44E-08	7.30E-08	3.28E-08	1.18E-09	2.85E-08	2.00E-08	1.73E-08	5.18E-09	7.23E-08
488863.09, 3861877.25	0.03204	0.0001168	4.04E-08	1.22E-07	9.65E-08	8.35E-08	3.75E-08	1.35E-09	3.26E-08	2.29E-08	1.98E-08	5.92E-09	8.26E-08
489363.09, 3861877.25	0.03786	0.0001381	4.78E-08	1.44E-07	1.14E-07	9.86E-08	4.44E-08	1.60E-09	3.85E-08	2.71E-08	2.34E-08	7.00E-09	9.77E-08
489863.09, 3861877.25	0.04428	0.0001615	5.59E-08	1.69E-07	1.33E-07	1.15E-07	5.19E-08	1.87E-09	4.51E-08	3.17E-08	2.74E-08	8.18E-09	1.14E-07
490363.09, 3861877.25	0.05593	0.000204	7.06E-08	2.13E-07	1.68E-07	1.46E-07	6.55E-08	2.36E-09	5.69E-08	4.00E-08	3.46E-08	1.03E-08	1.44E-07
490863.09, 3861877.25	0.0675	0.0002461	8.52E-08	2.57E-07	2.03E-07	1.76E-07	7.91E-08	2.85E-09	6.87E-08	4.83E-08	4.18E-08	1.25E-08	1.74E-07
491363.09, 3861877.25	0.08354	0.0003046	1.05E-07	3.18E-07	2.52E-07	2.18E-07	9.79E-08	3.52E-09	8.51E-08	5.98E-08	5.17E-08	1.54E-08	2.15E-07
491863.09, 3861877.25	0.10958	0.0003996	1.38E-07	4.18E-07	3.30E-07	2.85E-07	1.28E-07	4.62E-09	1.12E-07	7.84E-08	6.78E-08	2.02E-08	2.83E-07
492363.09, 3861877.25	0.1523	0.0005554	1.92E-07	5.80E-07	4.59E-07	3.97E-07	1.78E-07	6.42E-09	1.55E-07	1.09E-07	9.43E-08	2.81E-08	3.93E-07
492863.09, 3861877.25	0.20811	0.0007589	2.63E-07	7.93E-07	6.27E-07	5.42E-07	2.44E-07	8.77E-09	2.12E-07	1.49E-07	1.29E-07	3.85E-08	5.37E-07
493363.09, 3861877.25	0.28812	0.0010507	3.64E-07	1.10E-06	8.67E-07	7.51E-07	3.38E-07	1.21E-08	2.93E-07	2.06E-07	1.78E-07	5.32E-08	7.43E-07
493863.09, 3861877.25	0.42486	0.0015493	5.36E-07	1.62E-06	1.28E-06	1.11E-06	4.98E-07	1.79E-08	4.33E-07	3.04E-07	2.63E-07	7.85E-08	1.10E-06
494363.09, 3861877.25	0.76464	0.0027884	9.65E-07	2.91E-06	2.30E-06	1.99E-06	8.96E-07	3.22E-08	7.79E-07	5.47E-07	4.73E-07	1.41E-07	1.97E-06
494863.09, 3861877.25	1.76754	0.0064456	2.23E-06	6.74E-06	5.32E-06	4.60E-06	2.07E-06	7.45E-08	1.80E-06	1.26E-06	1.09E-06	3.27E-07	4.56E-06
495363.09, 3861877.25	6.42675	0.0234362	8.11E-06	2.45E-05	1.93E-05	1.67E-05	7.53E-06	2.71E-07	6.54E-06	4.60E-06	3.98E-06	1.19E-06	1.66E-05
495863.09, 3861877.25	9.53674	0.0347773	1.20E-05	3.63E-05	2.87E-05	2.48E-05	1.12E-05	4.02E-07	9.71E-06	6.82E-06	5.90E-06	1.76E-06	2.46E-05
496363.09, 3861877.25	5.6593	0.0206376	7.14E-06	2.16E-05	1.70E-05	1.47E-05	6.63E-06	2.39E-07	5.76E-06	4.05E-06	3.50E-06	1.05E-06	1.46E-05
496863.09, 3861877.25	1.24007	0.0045221	1.57E-06	4.73E-06	3.73E-06	3.23E-06	1.45E-06	5.23E-08	1.26E-06	8.87E-07	7.68E-07	2.29E-07	3.20E-06
497363.09, 3861877.25	1.71288	0.0062463	2.16E-06	6.53E-06	5.16E-06	4.46E-06	2.01E-06	7.22E-08	1.74E-06	1.23E-06	1.06E-06	3.16E-07	4.42E-06
497863.09, 3861877.25	1.42348	0.005191	1.80E-06	5.43E-06	4.29E-06	3.71E-06	1.67E-06	6.00E-08	1.45E-06	1.02E-06	8.81E-07	2.63E-07	3.67E-06
498363.09, 3861877.25	1.14476	0.0041746	1.45E-06	4.36E-06	3.45E-06	2.98E-06	1.34E-06	4.83E-08	1.17E-06	8.19E-07	7.09E-07	2.12E-07	2.95E-06
471363.09, 3862377.25	0.0023	8.387E-06	2.90E-09	8.77E-09	6.92E-09	5.99E-09	2.69E-09	9.70E-11	2.34E-09	1.65E-09	1.42E-09	4.25E-10	5.93E-09
471863.09, 3862377.25	0.00236	8.606E-06	2.98E-09	9.00E-09	7.11E-09	6.15E-09	2.76E-09	9.95E-11	2.40E-09	1.69E-09	1.46E-09	4.36E-10	6.09E-09

472363.09, 3862377.25	0.00251	9.153E-06	3.17E-09	9.57E-09	7.56E-09	6.54E-09	2.94E-09	1.06E-10	2.56E-09	1.80E-09	1.55E-09	4.64E-10	6.47E-09
472863.09, 3862377.25	0.00262	9.554E-06	3.31E-09	9.99E-09	7.89E-09	6.83E-09	3.07E-09	1.10E-10	2.67E-09	1.87E-09	1.62E-09	4.84E-10	6.76E-09
473363.09, 3862377.25	0.00272	9.919E-06	3.43E-09	1.04E-08	8.19E-09	7.09E-09	3.19E-09	1.15E-10	2.77E-09	1.95E-09	1.68E-09	5.03E-10	7.02E-09
473863.09, 3862377.25	0.00283	1.032E-05	3.57E-09	1.08E-08	8.52E-09	7.37E-09	3.32E-09	1.19E-10	2.88E-09	2.02E-09	1.75E-09	5.23E-10	7.30E-09
474363.09, 3862377.25	0.00286	1.043E-05	3.61E-09	1.09E-08	8.61E-09	7.45E-09	3.35E-09	1.21E-10	2.91E-09	2.05E-09	1.77E-09	5.28E-10	7.38E-09
474863.09, 3862377.25	0.00278	1.014E-05	3.51E-09	1.06E-08	8.37E-09	7.24E-09	3.26E-09	1.17E-10	2.83E-09	1.99E-09	1.72E-09	5.14E-10	7.17E-09
475363.09, 3862377.25	0.00307	1.12E-05	3.88E-09	1.17E-08	9.24E-09	8.00E-09	3.60E-09	1.29E-10	3.13E-09	2.20E-09	1.90E-09	5.67E-10	7.92E-09
475863.09, 3862377.25	0.00329	1.2E-05	4.15E-09	1.25E-08	9.91E-09	8.57E-09	3.85E-09	1.39E-10	3.35E-09	2.35E-09	2.04E-09	6.08E-10	8.49E-09
476363.09, 3862377.25	0.00332	1.211E-05	4.19E-09	1.27E-08	1.00E-08	8.65E-09	3.89E-09	1.40E-10	3.38E-09	2.37E-09	2.06E-09	6.13E-10	8.56E-09
476863.09, 3862377.25	0.00321	1.171E-05	4.05E-09	1.22E-08	9.66E-09	8.36E-09	3.76E-09	1.35E-10	3.27E-09	2.30E-09	1.99E-09	5.93E-10	8.28E-09
477363.09, 3862377.25	0.00286	1.043E-05	3.61E-09	1.09E-08	8.61E-09	7.45E-09	3.35E-09	1.21E-10	2.91E-09	2.05E-09	1.77E-09	5.28E-10	7.38E-09
477863.09, 3862377.25	0.00196	7.147E-06	2.47E-09	7.47E-09	5.90E-09	5.11E-09	2.30E-09	8.26E-11	2.00E-09	1.40E-09	1.21E-09	3.62E-10	5.06E-09
478363.09, 3862377.25	0.00165	6.017E-06	2.08E-09	6.29E-09	4.97E-09	4.30E-09	1.93E-09	6.96E-11	1.68E-09	1.18E-09	1.02E-09	3.05E-10	4.26E-09
478863.09, 3862377.25	0.00179	6.528E-06	2.26E-09	6.82E-09	5.39E-09	4.66E-09	2.10E-09	7.55E-11	1.82E-09	1.28E-09	1.11E-09	3.31E-10	4.62E-09
479363.09, 3862377.25	0.00201	7.33E-06	2.54E-09	7.66E-09	6.05E-09	5.24E-09	2.35E-09	8.47E-11	2.05E-09	1.44E-09	1.24E-09	3.71E-10	5.18E-09
479863.09, 3862377.25	0.00349	1.273E-05	4.41E-09	1.33E-08	1.05E-08	9.09E-09	4.09E-09	1.47E-10	3.55E-09	2.50E-09	2.16E-09	6.45E-10	9.00E-09
480363.09, 3862377.25	0.00519	1.893E-05	6.55E-09	1.98E-08	1.56E-08	1.35E-08	6.08E-09	2.19E-10	5.28E-09	3.71E-09	3.21E-09	9.59E-10	1.34E-08
480863.09, 3862377.25	0.00604	2.203E-05	7.62E-09	2.30E-08	1.82E-08	1.57E-08	7.08E-09	2.55E-10	6.15E-09	4.32E-09	3.74E-09	1.12E-09	1.56E-08
481363.09, 3862377.25	0.00653	2.381E-05	8.24E-09	2.49E-08	1.97E-08	1.70E-08	7.65E-09	2.75E-10	6.65E-09	4.67E-09	4.04E-09	1.21E-09	1.68E-08
481863.09, 3862377.25	0.00723	2.637E-05	9.13E-09	2.76E-08	2.18E-08	1.88E-08	8.47E-09	3.05E-10	7.36E-09	5.17E-09	4.48E-09	1.34E-09	1.86E-08
482363.09, 3862377.25	0.00773	2.819E-05	9.76E-09	2.95E-08	2.33E-08	2.01E-08	9.06E-09	3.26E-10	7.87E-09	5.53E-09	4.78E-09	1.43E-09	1.99E-08
482863.09, 3862377.25	0.00821	2.994E-05	1.04E-08	3.13E-08	2.47E-08	2.14E-08	9.62E-09	3.46E-10	8.36E-09	5.87E-09	5.08E-09	1.52E-09	2.12E-08
483363.09, 3862377.25	0.00874	3.187E-05	1.10E-08	3.33E-08	2.63E-08	2.28E-08	1.02E-08	3.68E-10	8.90E-09	6.25E-09	5.41E-09	1.61E-09	2.25E-08
483863.09, 3862377.25	0.01053	3.84E-05	1.33E-08	4.01E-08	3.17E-08	2.74E-08	1.23E-08	4.44E-10	1.07E-08	7.53E-09	6.52E-09	1.95E-09	2.72E-08
484363.09, 3862377.25	0.01104	4.026E-05	1.39E-08	4.21E-08	3.32E-08	2.88E-08	1.29E-08	4.65E-10	1.12E-08	7.90E-09	6.83E-09	2.04E-09	2.85E-08
484863.09, 3862377.25	0.01361	4.963E-05	1.72E-08	5.19E-08	4.10E-08	3.55E-08	1.59E-08	5.74E-10	1.39E-08	9.74E-09	8.42E-09	2.51E-09	3.51E-08
485363.09, 3862377.25	0.01607	5.86E-05	2.03E-08	6.13E-08	4.84E-08	4.19E-08	1.88E-08	6.77E-10	1.64E-08	1.15E-08	9.95E-09	2.97E-09	4.15E-08
485863.09, 3862377.25	0.01778	6.484E-05	2.24E-08	6.78E-08	5.35E-08	4.63E-08	2.08E-08	7.49E-10	1.81E-08	1.27E-08	1.10E-08	3.29E-09	4.59E-08
486363.09, 3862377.25	0.02019	7.363E-05	2.55E-08	7.70E-08	6.08E-08	5.26E-08	2.37E-08	8.51E-10	2.06E-08	1.44E-08	1.25E-08	3.73E-09	5.21E-08
486863.09, 3862377.25	0.02241	8.172E-05	2.83E-08	8.54E-08	6.75E-08	5.84E-08	2.63E-08	9.45E-10	2.28E-08	1.60E-08	1.39E-08	4.14E-09	5.78E-08
487363.09, 3862377.25	0.0249	9.08E-05	3.14E-08	9.49E-08	7.50E-08	6.49E-08	2.92E-08	1.05E-09	2.54E-08	1.78E-08	1.54E-08	4.60E-09	6.42E-08
487863.09, 3862377.25	0.02792	0.0001018	3.52E-08	1.06E-07	8.41E-08	7.27E-08	3.27E-08	1.18E-09	2.84E-08	2.00E-08	1.73E-08	5.16E-09	7.20E-08
488363.09, 3862377.25	0.03185	0.0001161	4.02E-08	1.21E-07	9.59E-08	8.30E-08	3.73E-08	1.34E-09	3.24E-08	2.28E-08	1.97E-08	5.88E-09	8.22E-08
488863.09, 3862377.25	0.03598	0.0001312	4.54E-08	1.37E-07	1.08E-07	9.37E-08	4.21E-08	1.52E-09	3.66E-08	2.57E-08	2.23E-08	6.65E-09	9.28E-08
489363.09, 3862377.25	0.04128	0.0001505	5.21E-08	1.57E-07	1.24E-07	1.08E-07	4.84E-08	1.74E-09	4.20E-08	2.95E-08	2.56E-08	7.63E-09	1.06E-07
489863.09, 3862377.25	0.04789	0.0001746	6.05E-08	1.83E-07	1.44E-07	1.25E-07	5.61E-08	2.02E-09	4.88E-08	3.43E-08	2.96E-08	8.85E-09	1.24E-07
490363.09, 3862377.25	0.05575	0.0002033	7.04E-08	2.12E-07	1.68E-07	1.45E-07	6.53E-08	2.35E-09	5.68E-08	3.99E-08	3.45E-08	1.03E-08	1.44E-07
490863.09, 3862377.25	0.06761	0.0002466	8.53E-08	2.58E-07	2.04E-07	1.76E-07	7.92E-08	2.85E-09	6.88E-08	4.84E-08	4.18E-08	1.25E-08	1.74E-07
491363.09, 3862377.25	0.08358	0.0003048	1.06E-07	3.19E-07	2.52E-07	2.18E-07	9.79E-08	3.52E-09	8.51E-08	5.98E-08	5.17E-08	1.54E-08	2.16E-07
491863.09, 3862377.25	0.10808	0.0003941	1.36E-07	4.12E-07	3.25E-07	2.82E-07	1.27E-07	4.56E-09	1.10E-07	7.73E-08	6.69E-08	2.00E-08	2.79E-07
492363.09, 3862377.25	0.13699	0.0004996	1.73E-07	5.22E-07	4.12E-07	3.57E-07	1.60E-07	5.77E-09	1.39E-07	9.80E-08	8.48E-08	2.53E-08	3.53E-07
492863.09, 3862377.25	0.1728	0.0006301	2.18E-07	6.59E-07	5.20E-07	4.50E-07	2.02E-07	7.28E-09	1.76E-07	1.24E-07	1.07E-07	3.19E-08	4.46E-07
493363.09, 3862377.25	0.22069	0.0008048	2.79E-07	8.41E-07	6.64E-07	5.75E-07	2.59E-07	9.30E-09	2.25E-07	1.58E-07	1.37E-07	4.08E-08	5.69E-07
493863.09, 3862377.25	0.293	0.0010685	3.70E-07	1.12E-06	8.82E-07	7.63E-07	3.43E-07	1.24E-08	2.98E-07	2.10E-07	1.81E-07	5.41E-08	7.56E-07
494363.09, 3862377.25	0.39918	0.0014557	5.04E-07	1.52E-06	1.20E-06	1.04E-06	4.68E-07	1.68E-08	4.06E-07	2.86E-07	2.47E-07	7.38E-08	1.03E-06
494863.09, 3862377.25	0.56482	0.0020597	7.13E-07	2.15E-06	1.70E-06	1.47E-06	6.62E-07	2.38E-08	5.75E-07	4.04E-07	3.50E-07	1.04E-07	1.46E-06
495363.09, 3862377.25	0.76095	0.0027749	9.61E-07	2.90E-06	2.29E-06	1.98E-06	8.91E-07	3.21E-08	7.75E-07	5.44E-07	4.71E-07	1.41E-07	1.96E-06
495863.09, 3862377.25	1.06687	0.0038905	1.35E-06	4.07E-06	3.21E-06	2.78E-06	1.25E-06	4.50E-08	1.09E-06	7.63E-07	6.60E-07	1.97E-07	2.75E-06
496363.09, 3862377.25	1.54361	0.005629	1.95E-06	5.88E-06	4.65E-06	4.02E-06	1.81E-06	6.51E-08	1.57E-06	1.10E-06	9.55E-07	2.85E-07	3.98E-06
496863.09, 3862377.25	2.3874	0.0087061	3.01E-06	9.10E-06	7.19E-06	6.22E-06	2.80E-06	1.01E-07	2.43E-06	1.71E-06	1.48E-06	4.41E-07	6.16E-06
497363.09, 3862377.25	3.49681	0.0127517	4.41E-06	1.33E-05	1.05E-05	9.11E-06	4.10E-06	1.47E-07	3.56E-06	2.50E-06	2.16E-06	6.46E-07	9.02E-06
497863.09, 3862377.25	3.47624	0.0126767	4.39E-06	1.32E-05	1.05E-05	9.06E-06	4.07E-06	1.47E-07	3.54E-06	2.49E-06	2.15E-06	6.42E-07	8.97E-06
498363.09, 3862377.25	2.50652	0.0091404	3.16E-06	9.55E-06	7.55E-06	6.53E-06	2.94E-06	1.06E-07	2.55E-06	1.79E-06	1.55E-06	4.63E-07	6.47E-06
471363.09, 3862877.25	0.00272	9.919E-06	3.43E-09	1.04E-08	8.19E-09	7.09E-09	3.19E-09	1.15E-10	2.77E-09	1.95E-09	1.68E-09	5.03E-10	7.02E-09
471863.09, 3862877.25	0.00283	1.032E-05	3.57E-09	1.08E-08	8.52E-09	7.37E-09	3.32E-09	1.19E-10	2.88E-09	2.02E-09	1.75E-09	5.23E-10	7.30E-09
472363.09, 3862877.25	0.00298	1.087E-05	3.76E-09	1.14E-08	8.97E-09	7.76E-09	3.49E-09	1.26E-10	3.03E-09	2.13E-09	1.84E-09	5.51E-10	7.69E-09
472863.09, 3862877.25	0.00307	1.12E-05	3.88E-09	1.17E-08	9.24E-09	8.00E-09	3.60E-09	1.29E-10	3.13E-09	2.20E-09	1.90E-09	5.67E-10	7.92E-09
473363.09, 3862877.25	0.00322	1.174E-05	4.06E-09	1.23E-08	9.69E-09	8.39E-09	3.77E-09	1.36E-10	3.28E-09	2.30E-09	1.99E-09	5.95E-10	8.31E-09
473863.09, 3862877.25	0.00335	1.222E-05	4.23E-09	1.28E-08	1.01E-08	8.73E-09	3.92E-09	1.41E-10	3.41E-09	2.40E-09	2.07E-09	6.19E-10	8.64E-09
474363.09, 3862877.25	0.00338	1.233E-05	4.27E-09	1.29E-08	1.02E-08	8.81E-09	3.96E-09	1.42E-10	3.44E-09	2.42E-09	2.09E-09	6.25E-10	8.72E-09
474863.09, 3862877.25	0.00345	1.258E-05	4.36E-09	1.31E-08	1.04E-08	8.99E-09	4.04E-09	1.45E-10	3.51E-09	2.47E-09	2.14E-09	6.37E-10	8.90E-09
475363.09, 3862877.25	0.00375	1.367E-05	4.73E-09	1.43E-08	1.13E-08	9.77E-09	4.39E-09	1.58E-10	3.82E-09	2.68E-09	2.32E-09	6.93E-10	9.67E-09
475863.09, 3862877.25	0.00394	1.437E-05	4.97E-09	1.50E-08	1.19E-08	1.03E-08	4.62E-09	1.66E-10	4.01E-09	2.82E-09	2.44E-09	7.28E-10	1.02E-08
476363.09, 3862877.25	0.00402	1.466E-05	5.07E-09	1.53E-08	1.21E-08	1.05E-08	4.71E-09	1.69E-10	4.09E-09	2.88E-09	2.49E-09	7.43E-10	1.04E-08
476863.09, 3862877.25	0.0039	1.422E-05	4.92E-09	1.49E-08	1.17E-08	1.02E-08	4.57E-09	1.64E-10	3.97E-09	2.79E-09	2.41E-09	7.21E-10	1.01E-08
477363.09, 3862877.25	0.00372	1.357E-05	4.70E-09	1.42E-08	1.12E-08	9.69E-09	4.36E-09	1.57E-10	3.79E-09	2.66E-09	2.30E-09	6.87E-10	9.60E-09
477863.09, 3862877.25	0.00297	1.083E-05	3.75E-09	1.13E-08	8.94E-09	7.74E-09	3.48E-09	1.25E-10	3.02E-09	2.12E-09	1.84E-09	5.49E-10	7.66E-09
478363.09, 3862877.25	0.00222	8.096E-06	2.80E-09	8.46E-09	6.68E-09	5.78E-09	2.60E-09	9.36E-11	2.26E-09	1.59E-09	1.37E-09	4.10E-10	5.73E-09
478863.09, 3862877.25	0.00223	8.132E-06	2.82E-09	8.50E-09	6.71E-09	5.81E-09	2.61E-09	9.40E-11	2.27E-09	1.60E-09	1.38E-09	4.12E-10	5.75E-09
479363.09, 3862877.25	0.00251	9.153E-06	3.17E-09	9.57E-09	7.56E-09	6.54E-09	2.94E-09	1.06E-10	2.56E-09	1.80E-09	1.55E-09	4.64E-10	6.47E-09
479863.09, 3862877.25	0.00542	1.976E-05	6.84E-09	2.07E-08	1.63E-08	1.41E-08	6.35E-09	2.28E-10	5.52E-09	3.88E-09	3.35E-09	1.00E-09	1.40E-08
480363.09, 3862877.25	0.0071	2.589E-05	8.96E-09	2.71E-08	2.14E-08	1.85E-08	8.32E-09	2.99E-10	7.23E-09	5.08E-09	4.39E-09	1.31E-09	1.83E-08
480863.09, 3862877.25	0.0077	2.808E-05	9.72E-09	2.93E-08	2.32E-08	2.01E-08	9.02E-09	3.25E-10	7.84E-09	5.51E-09	4.77E-09	1.42E-09	1.99E-08
481363.09, 3862877.25	0.00889	3.242E-05	1.12E-08	3.39E-08	2.68E-08	2.32E-08	1.04E-08	3.75E-10	9.05E-09	6.36E-09	5.50E-09	1.64E-09	2.29E-08
481863.09, 3862877.25	0.00818	2.983E-05	1.03E-08	3.12E-08	2.46E-08	2.13E-08	9.58E-09	3.45E-10	8.33E-09	5.85E-09	5.06E-09	1.51E-09	2.11E-08
482363.09, 3862877.25	0.01037	3.782E-05	1.31E-08	3.95E-08	3.12E-08	2.70E-08	1.21E-08	4.37E-10	1.06E-08	7.42E-09	6.42E-09	1.92E-09	2.67E-08
482863.09, 3862877.25	0.01075	3.92E-05	1.36E-08	4.10E-08	3.24E-08	2.80E-08	1.26E-08	4.53E-10	1.09E-08	7.69E-09	6.65E-09	1.99E-09	2.77E-08
483363.09, 3862877.25	0.0115	4.194E-05	1.45E-08	4.38E-08	3.46E-08	3.00E-08	1.35E-08	4.85E-10	1.17E-08	8.23E-09	7.12E-09	2.12E-09	2.97E-08
483863.09, 3862877.25	0.01276	4.653E-05	1.61E-08	4.86E-08	3.84E-08	3.32E-08	1.49E-08	5.38E-10	1.30E-08	9.13E-09	7.90E-09	2.36E-09	3.29E-08
484363.09, 3862877.25	0.01359	4.956E-05	1.72E-08	5.18E-08	4.09E-08	3.54E-08	1.59E-08	5.73E-10	1.38E-08	9.72E-09	8.41E-09	2.51E-09	3.51E-08

484863.09, 3862877.25	0.01614	5.886E-05	2.04E-08	6.15E-08	4.86E-08	4.20E-08	1.89E-08	6.80E-10	1.64E-08	1.15E-08	9.99E-09	2.98E-09	4.16E-08
485363.09, 3862877.25	0.01771	6.458E-05	2.24E-08	6.75E-08	5.33E-08	4.61E-08	2.07E-08	7.47E-10	1.80E-08	1.27E-08	1.10E-08	3.27E-09	4.57E-08
485863.09, 3862877.25	0.01966	7.169E-05	2.48E-08	7.49E-08	5.92E-08	5.12E-08	2.30E-08	8.29E-10	2.00E-08	1.41E-08	1.22E-08	3.63E-09	5.07E-08
486363.09, 3862877.25	0.02113	7.705E-05	2.67E-08	8.05E-08	6.36E-08	5.50E-08	2.48E-08	8.91E-10	2.15E-08	1.51E-08	1.31E-08	3.90E-09	5.45E-08
486863.09, 3862877.25	0.02393	8.726E-05	3.02E-08	9.12E-08	7.20E-08	6.23E-08	2.80E-08	1.01E-09	2.44E-08	1.71E-08	1.48E-08	4.42E-09	6.17E-08
487363.09, 3862877.25	0.02642	9.634E-05	3.34E-08	1.01E-07	7.95E-08	6.88E-08	3.09E-08	1.11E-09	2.69E-08	1.89E-08	1.64E-08	4.88E-09	6.81E-08
487863.09, 3862877.25	0.02955	0.0001078	3.73E-08	1.13E-07	8.90E-08	7.70E-08	3.46E-08	1.25E-09	3.01E-08	2.11E-08	1.83E-08	5.46E-09	7.62E-08
488363.09, 3862877.25	0.0333	0.0001214	4.20E-08	1.27E-07	1.00E-07	8.68E-08	3.90E-08	1.40E-09	3.39E-08	2.38E-08	2.06E-08	6.15E-09	8.59E-08
488863.09, 3862877.25	0.03749	0.0001367	4.73E-08	1.43E-07	1.13E-07	9.77E-08	4.39E-08	1.58E-09	3.82E-08	2.68E-08	2.32E-08	6.93E-09	9.67E-08
489363.09, 3862877.25	0.04213	0.0001536	5.32E-08	1.61E-07	1.27E-07	1.10E-07	4.94E-08	1.78E-09	4.29E-08	3.01E-08	2.61E-08	7.78E-09	1.09E-07
489863.09, 3862877.25	0.04756	0.0001734	6.00E-08	1.81E-07	1.43E-07	1.24E-07	5.57E-08	2.00E-09	4.84E-08	3.40E-08	2.94E-08	8.79E-09	1.23E-07
490363.09, 3862877.25	0.05455	0.0001989	6.89E-08	2.08E-07	1.64E-07	1.42E-07	6.39E-08	2.30E-09	5.55E-08	3.90E-08	3.38E-08	1.01E-08	1.41E-07
490863.09, 3862877.25	0.06326	0.0002307	7.99E-08	2.41E-07	1.90E-07	1.65E-07	7.41E-08	2.67E-09	6.44E-08	4.53E-08	3.92E-08	1.17E-08	1.63E-07
491363.09, 3862877.25	0.07112	0.0002594	8.98E-08	2.71E-07	2.14E-07	1.85E-07	8.33E-08	3.00E-09	7.24E-08	5.09E-08	4.40E-08	1.31E-08	1.83E-07
491863.09, 3862877.25	0.09176	0.0003346	1.16E-07	3.50E-07	2.76E-07	2.39E-07	1.07E-07	3.87E-09	9.34E-08	6.56E-08	5.68E-08	1.70E-08	2.37E-07
492363.09, 3862877.25	0.10984	0.0004005	1.39E-07	4.19E-07	3.31E-07	2.86E-07	1.29E-07	4.63E-09	1.12E-07	7.86E-08	6.80E-08	2.03E-08	2.83E-07
492863.09, 3862877.25	0.13147	0.0004794	1.66E-07	5.01E-07	3.96E-07	3.42E-07	1.54E-07	5.54E-09	1.34E-07	9.40E-08	8.14E-08	2.43E-08	3.39E-07
493363.09, 3862877.25	0.15758	0.0005746	1.99E-07	6.01E-07	4.74E-07	4.11E-07	1.85E-07	6.64E-09	1.60E-07	1.13E-07	9.75E-08	2.91E-08	4.06E-07
493863.09, 3862877.25	0.19674	0.0007174	2.48E-07	7.50E-07	5.92E-07	5.13E-07	2.30E-07	8.29E-09	2.00E-07	1.41E-07	1.22E-07	3.64E-08	5.07E-07
494363.09, 3862877.25	0.2578	0.0009401	3.25E-07	9.83E-07	7.76E-07	6.72E-07	3.02E-07	1.09E-08	2.62E-07	1.84E-07	1.60E-07	4.76E-08	6.65E-07
494863.09, 3862877.25	0.32269	0.0011767	4.07E-07	1.23E-06	9.72E-07	8.41E-07	3.78E-07	1.36E-08	3.29E-07	2.31E-07	2.00E-07	5.96E-08	8.32E-07
495363.09, 3862877.25	0.37704	0.0013749	4.76E-07	1.44E-06	1.14E-06	9.82E-07	4.42E-07	1.59E-08	3.84E-07	2.70E-07	2.33E-07	6.97E-08	9.73E-07
495863.09, 3862877.25	0.42449	0.001548	5.36E-07	1.62E-06	1.28E-06	1.11E-06	4.97E-07	1.79E-08	4.32E-07	3.04E-07	2.63E-07	7.84E-08	1.09E-06
496363.09, 3862877.25	0.46719	0.0017037	5.90E-07	1.78E-06	1.41E-06	1.22E-06	5.47E-07	1.97E-08	4.76E-07	3.34E-07	2.89E-07	8.63E-08	1.21E-06
496863.09, 3862877.25	0.53697	0.0019582	6.78E-07	2.05E-06	1.62E-06	1.40E-06	6.29E-07	2.26E-08	5.47E-07	3.84E-07	3.32E-07	9.92E-08	1.39E-06
497363.09, 3862877.25	0.62576	0.0022819	7.90E-07	2.39E-06	1.88E-06	1.63E-06	7.33E-07	2.64E-08	6.37E-07	4.48E-07	3.87E-07	1.16E-07	1.61E-06
497863.09, 3862877.25	0.67791	0.0024721	8.56E-07	2.58E-06	2.04E-06	1.77E-06	7.94E-07	2.86E-08	6.90E-07	4.85E-07	4.20E-07	1.25E-07	1.75E-06
498363.09, 3862877.25	0.65609	0.0023925	8.28E-07	2.50E-06	1.98E-06	1.71E-06	7.69E-07	2.77E-08	6.68E-07	4.69E-07	4.06E-07	1.21E-07	1.69E-06
471363.09, 3863377.25	0.0032	1.167E-05	4.04E-09	1.22E-08	9.63E-09	8.34E-09	3.75E-09	1.35E-10	3.26E-09	2.29E-09	1.98E-09	5.91E-10	8.25E-09
471863.09, 3863377.25	0.00331	1.207E-05	4.18E-09	1.26E-08	9.97E-09	8.62E-09	3.88E-09	1.40E-10	3.37E-09	2.37E-09	2.05E-09	6.12E-10	8.54E-09
472363.09, 3863377.25	0.00348	1.269E-05	4.39E-09	1.33E-08	1.05E-08	9.07E-09	4.08E-09	1.47E-10	3.54E-09	2.49E-09	2.15E-09	6.43E-10	8.98E-09
472863.09, 3863377.25	0.00371	1.353E-05	4.68E-09	1.41E-08	1.12E-08	9.66E-09	4.35E-09	1.56E-10	3.78E-09	2.65E-09	2.30E-09	6.86E-10	9.57E-09
473363.09, 3863377.25	0.00395	1.44E-05	4.99E-09	1.51E-08	1.19E-08	1.03E-08	4.63E-09	1.67E-10	4.02E-09	2.83E-09	2.44E-09	7.30E-10	1.02E-08
473863.09, 3863377.25	0.00411	1.499E-05	5.19E-09	1.57E-08	1.24E-08	1.07E-08	4.81E-09	1.73E-10	4.18E-09	2.94E-09	2.54E-09	7.59E-10	1.06E-08
474363.09, 3863377.25	0.00423	1.543E-05	5.34E-09	1.61E-08	1.27E-08	1.10E-08	4.96E-09	1.78E-10	4.31E-09	3.03E-09	2.62E-09	7.82E-10	1.09E-08
474863.09, 3863377.25	0.00469	1.71E-05	5.92E-09	1.79E-08	1.41E-08	1.22E-08	5.49E-09	1.98E-10	4.78E-09	3.36E-09	2.90E-09	8.67E-10	1.21E-08
475363.09, 3863377.25	0.00475	1.732E-05	6.00E-09	1.81E-08	1.43E-08	1.24E-08	5.56E-09	2.00E-10	4.84E-09	3.40E-09	2.94E-09	8.78E-10	1.23E-08
475863.09, 3863377.25	0.00475	1.732E-05	6.00E-09	1.81E-08	1.43E-08	1.24E-08	5.56E-09	2.00E-10	4.84E-09	3.40E-09	2.94E-09	8.78E-10	1.23E-08
476363.09, 3863377.25	0.00494	1.801E-05	6.24E-09	1.88E-08	1.49E-08	1.29E-08	5.79E-09	2.08E-10	5.03E-09	3.53E-09	3.06E-09	9.13E-10	1.27E-08
476863.09, 3863377.25	0.00506	1.845E-05	6.39E-09	1.93E-08	1.52E-08	1.32E-08	5.93E-09	2.13E-10	5.15E-09	3.62E-09	3.13E-09	9.35E-10	1.31E-08
477363.09, 3863377.25	0.00489	1.783E-05	6.17E-09	1.86E-08	1.47E-08	1.27E-08	5.73E-09	2.06E-10	4.98E-09	3.50E-09	3.03E-09	9.04E-10	1.26E-08
477863.09, 3863377.25	0.00415	1.513E-05	5.24E-09	1.58E-08	1.25E-08	1.08E-08	4.86E-09	1.75E-10	4.23E-09	2.97E-09	2.57E-09	7.67E-10	1.07E-08
478363.09, 3863377.25	0.00306	1.116E-05	3.86E-09	1.17E-08	9.21E-09	7.97E-09	3.58E-09	1.29E-10	3.12E-09	2.19E-09	1.89E-09	5.65E-10	7.89E-09
478863.09, 3863377.25	0.00341	1.244E-05	4.30E-09	1.30E-08	1.03E-08	8.88E-09	3.99E-09	1.44E-10	3.47E-09	2.44E-09	2.11E-09	6.30E-10	8.80E-09
479363.09, 3863377.25	0.00475	1.732E-05	6.00E-09	1.81E-08	1.43E-08	1.24E-08	5.56E-09	2.00E-10	4.84E-09	3.40E-09	2.94E-09	8.78E-10	1.23E-08
479863.09, 3863377.25	0.00748	2.728E-05	9.44E-09	2.85E-08	2.25E-08	1.95E-08	8.76E-09	3.15E-10	7.62E-09	5.35E-09	4.63E-09	1.38E-09	1.93E-08
480363.09, 3863377.25	0.00848	3.092E-05	1.07E-08	3.23E-08	2.55E-08	2.21E-08	9.93E-09	3.57E-10	8.63E-09	6.07E-09	5.25E-09	1.57E-09	2.19E-08
480863.09, 3863377.25	0.0088	3.209E-05	1.11E-08	3.35E-08	2.65E-08	2.29E-08	1.03E-08	3.71E-10	8.96E-09	6.30E-09	5.45E-09	1.63E-09	2.27E-08
481363.09, 3863377.25	0.00989	3.607E-05	1.25E-08	3.77E-08	2.98E-08	2.58E-08	1.16E-08	4.17E-10	1.01E-08	7.07E-09	6.12E-09	1.83E-09	2.55E-08
481863.09, 3863377.25	0.01041	3.796E-05	1.31E-08	3.97E-08	3.13E-08	2.71E-08	1.22E-08	4.39E-10	1.06E-08	7.45E-09	6.44E-09	1.92E-09	2.69E-08
482363.09, 3863377.25	0.01089	3.971E-05	1.37E-08	4.15E-08	3.28E-08	2.84E-08	1.28E-08	4.59E-10	1.11E-08	7.79E-09	6.74E-09	2.01E-09	2.81E-08
482863.09, 3863377.25	0.01172	4.274E-05	1.48E-08	4.47E-08	3.53E-08	3.05E-08	1.37E-08	4.94E-10	1.19E-08	8.38E-09	7.25E-09	2.17E-09	3.02E-08
483363.09, 3863377.25	0.01242	4.529E-05	1.57E-08	4.73E-08	3.74E-08	3.24E-08	1.45E-08	5.24E-10	1.26E-08	8.88E-09	7.69E-09	2.29E-09	3.20E-08
483863.09, 3863377.25	0.01352	4.93E-05	1.71E-08	5.15E-08	4.07E-08	3.52E-08	1.58E-08	5.70E-10	1.38E-08	9.67E-09	8.37E-09	2.50E-09	3.49E-08
484363.09, 3863377.25	0.01516	5.528E-05	1.91E-08	5.78E-08	4.56E-08	3.95E-08	1.78E-08	6.39E-10	1.54E-08	1.08E-08	9.38E-09	2.80E-09	3.91E-08
484863.09, 3863377.25	0.01665	6.072E-05	2.10E-08	6.35E-08	5.01E-08	4.34E-08	1.95E-08	7.02E-10	1.70E-08	1.19E-08	1.03E-08	3.08E-09	4.29E-08
485363.09, 3863377.25	0.01888	6.885E-05	2.38E-08	7.20E-08	5.68E-08	4.92E-08	2.21E-08	7.96E-10	1.92E-08	1.35E-08	1.17E-08	3.49E-09	4.87E-08
485863.09, 3863377.25	0.02073	7.56E-05	2.62E-08	7.90E-08	6.24E-08	5.40E-08	2.43E-08	8.74E-10	2.11E-08	1.48E-08	1.28E-08	3.83E-09	5.35E-08
486363.09, 3863377.25	0.02252	8.212E-05	2.84E-08	8.58E-08	6.78E-08	5.87E-08	2.64E-08	9.49E-10	2.29E-08	1.61E-08	1.39E-08	4.16E-09	5.81E-08
486863.09, 3863377.25	0.02449	8.931E-05	3.09E-08	9.33E-08	7.37E-08	6.38E-08	2.87E-08	1.03E-09	2.49E-08	1.75E-08	1.52E-08	4.53E-09	6.32E-08
487363.09, 3863377.25	0.02669	9.733E-05	3.37E-08	1.02E-07	8.04E-08	6.95E-08	3.13E-08	1.13E-09	2.72E-08	1.91E-08	1.65E-08	4.93E-09	6.88E-08
487863.09, 3863377.25	0.02896	0.0001056	3.66E-08	1.10E-07	8.72E-08	7.54E-08	3.39E-08	1.22E-09	2.95E-08	2.07E-08	1.79E-08	5.35E-09	7.47E-08
488363.09, 3863377.25	0.0312	0.0001138	3.94E-08	1.19E-07	9.39E-08	8.13E-08	3.65E-08	1.32E-09	3.18E-08	2.23E-08	1.93E-08	5.76E-09	8.05E-08
488863.09, 3863377.25	0.03367	0.0001228	4.25E-08	1.28E-07	1.01E-07	8.77E-08	3.94E-08	1.42E-09	3.43E-08	2.41E-08	2.08E-08	6.22E-09	8.69E-08
489363.09, 3863377.25	0.03762	0.0001372	4.75E-08	1.43E-07	1.13E-07	9.80E-08	4.41E-08	1.59E-09	3.83E-08	2.69E-08	2.33E-08	6.95E-09	9.70E-08
489863.09, 3863377.25	0.04218	0.0001538	5.32E-08	1.61E-07	1.27E-07	1.10E-07	4.94E-08	1.78E-09	4.29E-08	3.02E-08	2.61E-08	7.79E-09	1.09E-07
490363.09, 3863377.25	0.04771	0.000174	6.02E-08	1.82E-07	1.44E-07	1.24E-07	5.59E-08	2.01E-09	4.86E-08	3.41E-08	2.95E-08	8.82E-09	1.23E-07
490863.09, 3863377.25	0.05417	0.0001975	6.84E-08	2.06E-07	1.63E-07	1.41E-07	6.35E-08	2.28E-09	5.52E-08	3.88E-08	3.35E-08	1.00E-08	1.40E-07
491363.09, 3863377.25	0.06331	0.0002309	7.99E-08	2.41E-07	1.91E-07	1.65E-07	7.42E-08	2.67E-09	6.45E-08	4.53E-08	3.92E-08	1.17E-08	1.63E-07
491863.09, 3863377.25	0.07322	0.000267	9.24E-08	2.79E-07	2.20E-07	1.91E-07	8.58E-08	3.09E-09	7.46E-08	5.24E-08	4.53E-08	1.35E-08	1.89E-07
492363.09, 3863377.25	0.07802	0.0002845	9.85E-08	2.97E-07	2.35E-07	2.03E-07	9.14E-08	3.29E-09	7.94E-08	5.58E-08	4.83E-08	1.44E-08	2.01E-07
492863.09, 3863377.25	0.06318	0.0002304	7.98E-08	2.41E-07	1.90E-07	1.65E-07	7.40E-08	2.66E-09	6.43E-08	4.52E-08	3.91E-08	1.17E-08	1.63E-07
493363.09, 3863377.25	0.04641	0.0001692	5.86E-08	1.77E-07	1.40E-07	1.21E-07	5.44E-08	1.96E-09	4.73E-08	3.32E-08	2.87E-08	8.58E-09	1.20E-07
493863.09, 3863377.25	0.05583	0.0002036	7.05E-08	2.13E-07	1.68E-07	1.45E-07	6.54E-08	2.35E-09	5.68E-08	3.99E-08	3.46E-08	1.03E-08	1.44E-07
494363.09, 3863377.25	0.10477	0.0003821	1.32E-07	3.99E-07	3.15E-07	2.73E-07	1.23E-07	4.42E-09	1.07E-07	7.49E-08	6.49E-08	1.94E-08	2.70E-07
494863.09, 3863377.25	0.114	0.0004157	1.44E-07	4.35E-07	3.43E-07	2.97E-07	1.34E-07	4.81E-09	1.16E-07	8.16E-08	7.06E-08	2.11E-08	2.94E-07
495363.09, 3863377.25	0.09361	0.0003414	1.18E-07	3.57E-07	2.82E-07	2.44E-07	1.10E-07	3.95E-09	9.53E-08	6.70E-08	5.79E-08	1.73E-08	2.41E-07
495863.09, 3863377.25	0.08759	0.0003194	1.11E-07	3.34E-07	2.64E-07	2.28E-07	1.03E-07	3.69E-09	8.92E-08	6.27E-08	5.42E-08	1.62E-08	2.26E-07
496363.09, 3863377.25	0.26441	0.0009642	3.34E-07	1.01E-06	7.96E-07	6.89E-07	3.10E-07	1.11E-08	2.69E-07	1.89E-07	1.64E-07	4.89E-08	6.82E-07
496863.09, 3863377.25	0.26172	0.0009544	3.30E-07	9.98E-07	7.88E-07	6.82E-07	3.07E-07	1.10E-08	2.66E-07	1.87E-07	1.62E-07	4.84E-08	6.75E-07

497363.09, 3863377.25	0.2956	0.001078	3.73E-07	1.13E-06	8.90E-07	7.70E-07	3.46E-07	1.25E-08	3.01E-07	2.11E-07	1.83E-07	5.46E-08	7.62E-07
497863.09, 3863377.25	0.31904	0.0011634	4.03E-07	1.22E-06	9.61E-07	8.31E-07	3.74E-07	1.34E-08	3.25E-07	2.28E-07	1.97E-07	5.89E-08	8.23E-07
498363.09, 3863377.25	0.33384	0.0012174	4.21E-07	1.27E-06	1.01E-06	8.70E-07	3.91E-07	1.41E-08	3.40E-07	2.39E-07	2.07E-07	6.17E-08	8.61E-07
471363.09, 3863877.25	0.00366	1.335E-05	4.62E-09	1.40E-08	1.10E-08	9.53E-09	4.29E-09	1.54E-10	3.73E-09	2.62E-09	2.27E-09	6.76E-10	9.44E-09
471863.09, 3863877.25	0.00359	1.309E-05	4.53E-09	1.37E-08	1.08E-08	9.35E-09	4.21E-09	1.51E-10	3.66E-09	2.57E-09	2.22E-09	6.63E-10	9.26E-09
472363.09, 3863877.25	0.00387	1.411E-05	4.89E-09	1.48E-08	1.17E-08	1.01E-08	4.53E-09	1.63E-10	3.94E-09	2.77E-09	2.40E-09	7.15E-10	9.98E-09
472863.09, 3863877.25	0.0041	1.495E-05	5.18E-09	1.56E-08	1.23E-08	1.07E-08	4.80E-09	1.73E-10	4.17E-09	2.93E-09	2.54E-09	7.58E-10	1.06E-08
473363.09, 3863877.25	0.00449	1.637E-05	5.67E-09	1.71E-08	1.35E-08	1.17E-08	5.26E-09	1.89E-10	4.57E-09	3.21E-09	2.78E-09	8.30E-10	1.16E-08
473863.09, 3863877.25	0.00454	1.656E-05	5.73E-09	1.73E-08	1.37E-08	1.18E-08	5.32E-09	1.91E-10	4.62E-09	3.25E-09	2.81E-09	8.39E-10	1.17E-08
474363.09, 3863877.25	0.00476	1.736E-05	6.01E-09	1.81E-08	1.43E-08	1.24E-08	5.58E-09	2.01E-10	4.85E-09	3.41E-09	2.95E-09	8.80E-10	1.23E-08
474863.09, 3863877.25	0.00516	1.882E-05	6.51E-09	1.97E-08	1.55E-08	1.34E-08	6.04E-09	2.18E-10	5.25E-09	3.69E-09	3.19E-09	9.53E-10	1.33E-08
475363.09, 3863877.25	0.00503	1.834E-05	6.35E-09	1.92E-08	1.51E-08	1.31E-08	5.89E-09	2.12E-10	5.12E-09	3.60E-09	3.11E-09	9.29E-10	1.30E-08
475863.09, 3863877.25	0.00537	1.958E-05	6.78E-09	2.05E-08	1.62E-08	1.40E-08	6.29E-09	2.26E-10	5.47E-09	3.84E-09	3.32E-09	9.92E-10	1.39E-08
476363.09, 3863877.25	0.00537	1.958E-05	6.78E-09	2.05E-08	1.62E-08	1.40E-08	6.29E-09	2.26E-10	5.47E-09	3.84E-09	3.32E-09	9.92E-10	1.39E-08
476863.09, 3863877.25	0.00567	2.068E-05	7.16E-09	2.16E-08	1.71E-08	1.48E-08	6.64E-09	2.39E-10	5.77E-09	4.06E-09	3.51E-09	1.05E-09	1.46E-08
477363.09, 3863877.25	0.00559	2.038E-05	7.06E-09	2.13E-08	1.68E-08	1.46E-08	6.55E-09	2.36E-10	5.69E-09	4.00E-09	3.46E-09	1.03E-09	1.44E-08
477863.09, 3863877.25	0.00489	1.783E-05	6.17E-09	1.86E-08	1.47E-08	1.27E-08	5.73E-09	2.06E-10	4.98E-09	3.50E-09	3.03E-09	9.04E-10	1.26E-08
478363.09, 3863877.25	0.00368	1.342E-05	4.65E-09	1.40E-08	1.11E-08	9.59E-09	4.31E-09	1.55E-10	3.75E-09	2.63E-09	2.28E-09	6.80E-10	9.49E-09
478863.09, 3863877.25	0.00525	1.914E-05	6.63E-09	2.00E-08	1.58E-08	1.37E-08	6.15E-09	2.21E-10	5.35E-09	3.76E-09	3.25E-09	9.70E-10	1.35E-08
479363.09, 3863877.25	0.00674	2.458E-05	8.51E-09	2.57E-08	2.03E-08	1.76E-08	7.90E-09	2.84E-10	6.86E-09	4.82E-09	4.17E-09	1.25E-09	1.74E-08
479863.09, 3863877.25	0.00791	2.885E-05	9.99E-09	3.01E-08	2.38E-08	2.06E-08	9.27E-09	3.33E-10	8.05E-09	5.66E-09	4.90E-09	1.46E-09	2.04E-08
480363.09, 3863877.25	0.00885	3.227E-05	1.12E-08	3.37E-08	2.66E-08	2.31E-08	1.04E-08	3.73E-10	9.01E-09	6.33E-09	5.48E-09	1.64E-09	2.28E-08
480863.09, 3863877.25	0.00936	3.413E-05	1.18E-08	3.57E-08	2.82E-08	2.44E-08	1.10E-08	3.95E-10	9.53E-09	6.70E-09	5.79E-09	1.73E-09	2.41E-08
481363.09, 3863877.25	0.01018	3.712E-05	1.29E-08	3.88E-08	3.06E-08	2.65E-08	1.19E-08	4.29E-10	1.04E-08	7.28E-09	6.30E-09	1.88E-09	2.63E-08
481863.09, 3863877.25	0.01104	4.026E-05	1.39E-08	4.21E-08	3.32E-08	2.88E-08	1.29E-08	4.65E-10	1.12E-08	7.90E-09	6.83E-09	2.04E-09	2.85E-08
482363.09, 3863877.25	0.01166	4.252E-05	1.47E-08	4.44E-08	3.51E-08	3.04E-08	1.37E-08	4.92E-10	1.19E-08	8.34E-09	7.22E-09	2.15E-09	3.01E-08
482863.09, 3863877.25	0.01272	4.639E-05	1.61E-08	4.85E-08	3.83E-08	3.31E-08	1.49E-08	5.36E-10	1.30E-08	9.10E-09	7.87E-09	2.35E-09	3.28E-08
483363.09, 3863877.25	0.01377	5.021E-05	1.74E-08	5.25E-08	4.15E-08	3.59E-08	1.61E-08	5.80E-10	1.40E-08	9.85E-09	8.52E-09	2.54E-09	3.55E-08
483863.09, 3863877.25	0.01463	5.335E-05	1.85E-08	5.58E-08	4.40E-08	3.81E-08	1.71E-08	6.17E-10	1.49E-08	1.05E-08	9.06E-09	2.70E-09	3.77E-08
484363.09, 3863877.25	0.01598	5.827E-05	2.02E-08	6.09E-08	4.81E-08	4.16E-08	1.87E-08	6.74E-10	1.63E-08	1.14E-08	9.89E-09	2.95E-09	4.12E-08
484863.09, 3863877.25	0.01712	6.243E-05	2.16E-08	6.53E-08	5.15E-08	4.46E-08	2.01E-08	7.22E-10	1.74E-08	1.22E-08	1.06E-08	3.16E-09	4.42E-08
485363.09, 3863877.25	0.01841	6.714E-05	2.32E-08	7.02E-08	5.54E-08	4.80E-08	2.16E-08	7.76E-10	1.87E-08	1.32E-08	1.14E-08	3.40E-09	4.75E-08
485863.09, 3863877.25	0.01935	7.056E-05	2.44E-08	7.38E-08	5.83E-08	5.04E-08	2.27E-08	8.16E-10	1.97E-08	1.38E-08	1.20E-08	3.58E-09	4.99E-08
486363.09, 3863877.25	0.02084	7.6E-05	2.63E-08	7.94E-08	6.27E-08	5.43E-08	2.44E-08	8.78E-10	2.12E-08	1.49E-08	1.29E-08	3.85E-09	5.38E-08
486863.09, 3863877.25	0.02223	8.107E-05	2.81E-08	8.47E-08	6.69E-08	5.79E-08	2.60E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.73E-08
487363.09, 3863877.25	0.02385	8.697E-05	3.01E-08	9.09E-08	7.18E-08	6.21E-08	2.79E-08	1.01E-09	2.43E-08	1.71E-08	1.48E-08	4.41E-09	6.15E-08
487863.09, 3863877.25	0.02574	9.387E-05	3.25E-08	9.81E-08	7.75E-08	6.71E-08	3.02E-08	1.09E-09	2.62E-08	1.84E-08	1.59E-08	4.76E-09	6.64E-08
488363.09, 3863877.25	0.02789	0.0001017	3.52E-08	1.06E-07	8.40E-08	7.27E-08	3.27E-08	1.18E-09	2.84E-08	2.00E-08	1.73E-08	5.15E-09	7.19E-08
488863.09, 3863877.25	0.0305	0.0001112	3.85E-08	1.16E-07	9.18E-08	7.95E-08	3.57E-08	1.29E-09	3.11E-08	2.18E-08	1.89E-08	5.64E-09	7.87E-08
489363.09, 3863877.25	0.03376	0.0001231	4.26E-08	1.29E-07	1.02E-07	8.79E-08	3.95E-08	1.42E-09	3.44E-08	2.42E-08	2.09E-08	6.24E-09	8.71E-08
489863.09, 3863877.25	0.03767	0.0001374	4.76E-08	1.44E-07	1.13E-07	9.81E-08	4.41E-08	1.59E-09	3.84E-08	2.69E-08	2.33E-08	6.96E-09	9.72E-08
490363.09, 3863877.25	0.04235	0.0001544	5.35E-08	1.61E-07	1.28E-07	1.10E-07	4.96E-08	1.79E-09	4.31E-08	3.03E-08	2.62E-08	7.83E-09	1.09E-07
490863.09, 3863877.25	0.04701	0.0001714	5.93E-08	1.79E-07	1.42E-07	1.22E-07	5.51E-08	1.98E-09	4.79E-08	3.36E-08	2.91E-08	8.69E-09	1.21E-07
491363.09, 3863877.25	0.05182	0.000189	6.54E-08	1.98E-07	1.56E-07	1.35E-07	6.07E-08	2.18E-09	5.28E-08	3.71E-08	3.21E-08	9.57E-09	1.34E-07
491863.09, 3863877.25	0.04415	0.000161	5.57E-08	1.68E-07	1.33E-07	1.15E-07	5.17E-08	1.86E-09	4.50E-08	3.16E-08	2.73E-08	8.16E-09	1.14E-07
492363.09, 3863877.25	0.02256	8.227E-05	2.85E-08	8.60E-08	6.79E-08	5.88E-08	2.64E-08	9.51E-10	2.30E-08	1.61E-08	1.40E-08	4.17E-09	5.82E-08
492863.09, 3863877.25	0.01439	5.248E-05	1.82E-08	5.48E-08	4.33E-08	3.75E-08	1.69E-08	6.07E-10	1.47E-08	1.03E-08	8.91E-09	2.66E-09	3.71E-08
493363.09, 3863877.25	0.01626	5.929E-05	2.05E-08	6.20E-08	4.90E-08	4.24E-08	1.90E-08	6.85E-10	1.66E-08	1.16E-08	1.01E-08	3.00E-09	4.19E-08
493863.09, 3863877.25	0.02492	9.087E-05	3.15E-08	9.50E-08	7.50E-08	6.49E-08	2.92E-08	1.05E-09	2.54E-08	1.78E-08	1.54E-08	4.60E-09	6.43E-08
494363.09, 3863877.25	0.0353	0.0001287	4.46E-08	1.35E-07	1.06E-07	9.20E-08	4.14E-08	1.49E-09	3.59E-08	2.53E-08	2.18E-08	6.52E-09	9.11E-08
494863.09, 3863877.25	0.04577	0.0001669	5.78E-08	1.74E-07	1.38E-07	1.19E-07	5.36E-08	1.93E-09	4.66E-08	3.27E-08	2.83E-08	8.46E-09	1.18E-07
495363.09, 3863877.25	0.05164	0.0001883	6.52E-08	1.97E-07	1.55E-07	1.35E-07	6.05E-08	2.18E-09	5.26E-08	3.69E-08	3.20E-08	9.54E-09	1.33E-07
495863.09, 3863877.25	0.05306	0.0001935	6.70E-08	2.02E-07	1.60E-07	1.38E-07	6.22E-08	2.24E-09	5.40E-08	3.80E-08	3.28E-08	9.80E-09	1.37E-07
496363.09, 3863877.25	0.09697	0.0003536	1.22E-07	3.70E-07	2.92E-07	2.53E-07	1.14E-07	4.09E-09	9.87E-08	6.94E-08	6.00E-08	1.79E-08	2.50E-07
496863.09, 3863877.25	0.16252	0.0005927	2.05E-07	6.19E-07	4.89E-07	4.23E-07	1.90E-07	6.85E-09	1.65E-07	1.16E-07	1.01E-07	3.00E-08	4.19E-07
497363.09, 3863877.25	0.1907	0.0006954	2.41E-07	7.27E-07	5.74E-07	4.97E-07	2.23E-07	8.04E-09	1.94E-07	1.36E-07	1.18E-07	3.52E-08	4.92E-07
497863.09, 3863877.25	0.19882	0.000725	2.51E-07	7.58E-07	5.99E-07	5.18E-07	2.33E-07	8.38E-09	2.02E-07	1.42E-07	1.23E-07	3.67E-08	5.13E-07
498363.09, 3863877.25	0.19735	0.0007197	2.49E-07	7.52E-07	5.94E-07	5.14E-07	2.31E-07	8.32E-09	2.01E-07	1.41E-07	1.22E-07	3.65E-08	5.09E-07
471363.09, 3864377.25	0.00358	1.306E-05	4.52E-09	1.36E-08	1.08E-08	9.33E-09	4.19E-09	1.51E-10	3.65E-09	2.56E-09	2.22E-09	6.61E-10	9.23E-09
471863.09, 3864377.25	0.00368	1.342E-05	4.65E-09	1.40E-08	1.11E-08	9.59E-09	4.31E-09	1.55E-10	3.75E-09	2.63E-09	2.28E-09	6.80E-10	9.49E-09
472363.09, 3864377.25	0.00384	1.4E-05	4.85E-09	1.46E-08	1.16E-08	1.00E-08	4.50E-09	1.62E-10	3.91E-09	2.75E-09	2.38E-09	7.10E-10	9.91E-09
472863.09, 3864377.25	0.00397	1.448E-05	5.01E-09	1.51E-08	1.20E-08	1.03E-08	4.65E-09	1.67E-10	4.04E-09	2.84E-09	2.46E-09	7.34E-10	1.02E-08
473363.09, 3864377.25	0.00438	1.597E-05	5.53E-09	1.67E-08	1.32E-08	1.14E-08	5.13E-09	1.85E-10	4.46E-09	3.13E-09	2.71E-09	8.09E-10	1.13E-08
473863.09, 3864377.25	0.00461	1.681E-05	5.82E-09	1.76E-08	1.39E-08	1.20E-08	5.40E-09	1.94E-10	4.69E-09	3.30E-09	2.85E-09	8.52E-10	1.19E-08
474363.09, 3864377.25	0.00469	1.71E-05	5.92E-09	1.79E-08	1.41E-08	1.22E-08	5.49E-09	1.98E-10	4.78E-09	3.36E-09	2.90E-09	8.67E-10	1.21E-08
474863.09, 3864377.25	0.00505	1.842E-05	6.37E-09	1.92E-08	1.52E-08	1.32E-08	5.92E-09	2.13E-10	5.14E-09	3.61E-09	3.13E-09	9.33E-10	1.30E-08
475363.09, 3864377.25	0.00511	1.863E-05	6.45E-09	1.95E-08	1.54E-08	1.33E-08	5.99E-09	2.15E-10	5.20E-09	3.66E-09	3.16E-09	9.44E-10	1.32E-08
475863.09, 3864377.25	0.00539	1.966E-05	6.80E-09	2.05E-08	1.62E-08	1.40E-08	6.31E-09	2.27E-10	5.49E-09	3.86E-09	3.34E-09	9.96E-10	1.39E-08
476363.09, 3864377.25	0.00555	2.024E-05	7.01E-09	2.12E-08	1.67E-08	1.45E-08	6.50E-09	2.34E-10	5.65E-09	3.97E-09	3.44E-09	1.03E-09	1.43E-08
476863.09, 3864377.25	0.00563	2.053E-05	7.11E-09	2.15E-08	1.70E-08	1.47E-08	6.60E-09	2.37E-10	5.73E-09	4.03E-09	3.48E-09	1.04E-09	1.45E-08
477363.09, 3864377.25	0.00614	2.239E-05	7.75E-09	2.34E-08	1.85E-08	1.60E-08	7.19E-09	2.59E-10	6.25E-09	4.39E-09	3.80E-09	1.13E-09	1.58E-08
477863.09, 3864377.25	0.00657	2.396E-05	8.29E-09	2.50E-08	1.98E-08	1.71E-08	7.70E-09	2.77E-10	6.69E-09	4.70E-09	4.07E-09	1.21E-09	1.69E-08
478363.09, 3864377.25	0.00696	2.538E-05	8.79E-09	2.65E-08	2.10E-08	1.81E-08	8.15E-09	2.93E-10	7.09E-09	4.98E-09	4.31E-09	1.29E-09	1.80E-08
478863.09, 3864377.25	0.00737	2.688E-05	9.30E-09	2.81E-08	2.22E-08	1.92E-08	8.63E-09	3.11E-10	7.50E-09	5.27E-09	4.56E-09	1.36E-09	1.90E-08
479363.09, 3864377.25	0.00822	2.998E-05	1.04E-08	3.13E-08	2.47E-08	2.14E-08	9.63E-09	3.47E-10	8.37E-09	5.88E-09	5.09E-09	1.52E-09	2.12E-08
479863.09, 3864377.25	0.00882	3.216E-05	1.11E-08	3.36E-08	2.66E-08	2.30E-08	1.03E-08	3.72E-10	8.98E-09	6.31E-09	5.46E-09	1.63E-09	2.28E-08
480363.09, 3864377.25	0.00934	3.406E-05	1.18E-08	3.56E-08	2.81E-08	2.43E-08	1.09E-08	3.94E-10	9.51E-09	6.68E-09	5.78E-09	1.73E-09	2.41E-08
480863.09, 3864377.25	0.01038	3.785E-05	1.31E-08	3.96E-08	3.13E-08	2.70E-08	1.22E-08	4.38E-10	1.06E-08	7.43E-09	6.42E-09	1.92E-09	2.68E-08
481363.09, 3864377.25	0.01114	4.062E-05	1.41E-08	4.25E-08	3.35E-08	2.90E-08	1.30E-08	4.70E-10	1.13E-08	7.97E-09	6.90E-09	2.06E-09	2.87E-08
481863.09, 3864377.25	0.01176	4.288E-05	1.48E-08	4.48E-08	3.54E-08	3.06E-08	1.38E-08	4.96E-10	1.20E-08	8.41E-09	7.28E-09	2.17E-09	3.03E-08

482363.09, 3864377.25	0.01235	4.504E-05	1.56E-08	4.71E-08	3.72E-08	3.22E-08	1.45E-08	5.21E-10	1.26E-08	8.83E-09	7.64E-09	2.28E-09	3.19E-08
482863.09, 3864377.25	0.01296	4.726E-05	1.64E-08	4.94E-08	3.90E-08	3.38E-08	1.52E-08	5.46E-10	1.32E-08	9.27E-09	8.02E-09	2.39E-09	3.34E-08
483363.09, 3864377.25	0.01368	4.989E-05	1.73E-08	5.21E-08	4.12E-08	3.56E-08	1.60E-08	5.77E-10	1.39E-08	9.79E-09	8.47E-09	2.53E-09	3.53E-08
483863.09, 3864377.25	0.01437	5.24E-05	1.81E-08	5.48E-08	4.33E-08	3.74E-08	1.68E-08	6.06E-10	1.46E-08	1.03E-08	8.89E-09	2.66E-09	3.71E-08
484363.09, 3864377.25	0.01506	5.492E-05	1.90E-08	5.74E-08	4.53E-08	3.92E-08	1.76E-08	6.35E-10	1.53E-08	1.08E-08	9.32E-09	2.78E-09	3.88E-08
484863.09, 3864377.25	0.01603	5.846E-05	2.02E-08	6.11E-08	4.83E-08	4.18E-08	1.88E-08	6.76E-10	1.63E-08	1.15E-08	9.92E-09	2.96E-09	4.13E-08
485363.09, 3864377.25	0.0171	6.236E-05	2.16E-08	6.52E-08	5.15E-08	4.45E-08	2.00E-08	7.21E-10	1.74E-08	1.22E-08	1.06E-08	3.16E-09	4.41E-08
485863.09, 3864377.25	0.01824	6.652E-05	2.30E-08	6.95E-08	5.49E-08	4.75E-08	2.14E-08	7.69E-10	1.86E-08	1.30E-08	1.13E-08	3.37E-09	4.70E-08
486363.09, 3864377.25	0.01944	7.089E-05	2.45E-08	7.41E-08	5.85E-08	5.06E-08	2.28E-08	8.19E-10	1.98E-08	1.39E-08	1.20E-08	3.59E-09	5.01E-08
486863.09, 3864377.25	0.02067	7.538E-05	2.61E-08	7.88E-08	6.22E-08	5.38E-08	2.42E-08	8.71E-10	2.10E-08	1.48E-08	1.28E-08	3.82E-09	5.33E-08
487363.09, 3864377.25	0.02182	7.957E-05	2.75E-08	8.32E-08	6.57E-08	5.68E-08	2.56E-08	9.20E-10	2.22E-08	1.56E-08	1.35E-08	4.03E-09	5.63E-08
487863.09, 3864377.25	0.0234	8.533E-05	2.95E-08	8.92E-08	7.05E-08	6.10E-08	2.74E-08	9.86E-10	2.38E-08	1.67E-08	1.45E-08	4.32E-09	6.04E-08
488363.09, 3864377.25	0.02565	9.354E-05	3.24E-08	9.78E-08	7.72E-08	6.68E-08	3.00E-08	1.08E-09	2.61E-08	1.83E-08	1.59E-08	4.74E-09	6.62E-08
488863.09, 3864377.25	0.02742	9.999E-05	3.46E-08	1.05E-07	8.26E-08	7.14E-08	3.21E-08	1.16E-09	2.79E-08	1.96E-08	1.70E-08	5.07E-09	7.07E-08
489363.09, 3864377.25	0.02969	0.0001083	3.75E-08	1.13E-07	8.94E-08	7.73E-08	3.48E-08	1.25E-09	3.02E-08	2.12E-08	1.84E-08	5.49E-09	7.66E-08
489863.09, 3864377.25	0.03223	0.0001175	4.07E-08	1.23E-07	9.70E-08	8.40E-08	3.78E-08	1.36E-09	3.28E-08	2.31E-08	1.99E-08	5.96E-09	8.31E-08
490363.09, 3864377.25	0.03509	0.000128	4.43E-08	1.34E-07	1.06E-07	9.14E-08	4.11E-08	1.48E-09	3.57E-08	2.51E-08	2.17E-08	6.48E-09	9.05E-08
490863.09, 3864377.25	0.03762	0.0001372	4.75E-08	1.43E-07	1.13E-07	9.80E-08	4.41E-08	1.59E-09	3.83E-08	2.69E-08	2.33E-08	6.95E-09	9.70E-08
491363.09, 3864377.25	0.02332	8.504E-05	2.94E-08	8.89E-08	7.02E-08	6.08E-08	2.73E-08	9.83E-10	2.37E-08	1.67E-08	1.44E-08	4.31E-09	6.02E-08
491863.09, 3864377.25	0.00276	1.006E-05	3.48E-09	1.05E-08	8.31E-09	7.19E-09	3.23E-09	1.16E-10	2.81E-09	1.97E-09	1.71E-09	5.10E-10	7.12E-09
492363.09, 3864377.25	0.00601	2.192E-05	7.59E-09	2.29E-08	1.81E-08	1.57E-08	7.04E-09	2.53E-10	6.12E-09	4.30E-09	3.72E-09	1.11E-09	1.55E-08
492863.09, 3864377.25	0.00325	1.185E-05	4.10E-09	1.24E-08	9.78E-09	8.47E-09	3.81E-09	1.37E-10	3.31E-09	2.32E-09	2.01E-09	6.01E-10	8.38E-09
493363.09, 3864377.25	0.00567	2.068E-05	7.16E-09	2.16E-08	1.71E-08	1.48E-08	6.64E-09	2.39E-10	5.77E-09	4.06E-09	3.51E-09	1.05E-09	1.46E-08
493863.09, 3864377.25	0.01148	4.186E-05	1.45E-08	4.38E-08	3.46E-08	2.99E-08	1.34E-08	4.84E-10	1.17E-08	8.21E-09	7.11E-09	2.12E-09	2.96E-08
494363.09, 3864377.25	0.01821	6.641E-05	2.30E-08	6.94E-08	5.48E-08	4.74E-08	2.13E-08	7.68E-10	1.85E-08	1.30E-08	1.13E-08	3.36E-09	4.70E-08
494863.09, 3864377.25	0.02717	9.908E-05	3.43E-08	1.04E-07	8.18E-08	7.08E-08	3.18E-08	1.15E-09	2.77E-08	1.94E-08	1.68E-08	5.02E-09	7.01E-08
495363.09, 3864377.25	0.03423	0.0001248	4.32E-08	1.30E-07	1.03E-07	8.92E-08	4.01E-08	1.44E-09	3.49E-08	2.45E-08	2.12E-08	6.32E-09	8.83E-08
495863.09, 3864377.25	0.03704	0.0001351	4.68E-08	1.41E-07	1.12E-07	9.65E-08	4.34E-08	1.56E-09	3.77E-08	2.65E-08	2.29E-08	6.84E-09	9.55E-08
496363.09, 3864377.25	0.04654	0.0001697	5.87E-08	1.77E-07	1.40E-07	1.21E-07	5.45E-08	1.96E-09	4.74E-08	3.33E-08	2.88E-08	8.60E-09	1.20E-07
496863.09, 3864377.25	0.06073	0.0002215	7.67E-08	2.31E-07	1.83E-07	1.58E-07	7.11E-08	2.56E-09	6.18E-08	4.34E-08	3.76E-08	1.12E-08	1.57E-07
497363.09, 3864377.25	0.09993	0.0003644	1.26E-07	3.81E-07	3.01E-07	2.60E-07	1.17E-07	4.21E-09	1.02E-07	7.15E-08	6.19E-08	1.85E-08	2.58E-07
497863.09, 3864377.25	0.09952	0.0003629	1.26E-07	3.79E-07	3.00E-07	2.59E-07	1.17E-07	4.20E-09	1.01E-07	7.12E-08	6.16E-08	1.84E-08	2.57E-07
498363.09, 3864377.25	0.13727	0.0005006	1.73E-07	5.23E-07	4.13E-07	3.58E-07	1.61E-07	5.79E-09	1.40E-07	9.82E-08	8.50E-08	2.54E-08	3.54E-07
471363.09, 3864877.25	0.00353	1.287E-05	4.46E-09	1.35E-08	1.06E-08	9.20E-09	4.14E-09	1.49E-10	3.59E-09	2.53E-09	2.18E-09	6.52E-10	9.11E-09
471863.09, 3864877.25	0.00365	1.331E-05	4.61E-09	1.39E-08	1.10E-08	9.51E-09	4.28E-09	1.54E-10	3.72E-09	2.61E-09	2.26E-09	6.74E-10	9.42E-09
472363.09, 3864877.25	0.00384	1.4E-05	4.85E-09	1.46E-08	1.16E-08	1.00E-08	4.50E-09	1.62E-10	3.91E-09	2.75E-09	2.38E-09	7.10E-10	9.91E-09
472863.09, 3864877.25	0.00406	1.481E-05	5.13E-09	1.55E-08	1.22E-08	1.06E-08	4.76E-09	1.71E-10	4.13E-09	2.90E-09	2.51E-09	7.50E-10	1.05E-08
473363.09, 3864877.25	0.00449	1.637E-05	5.67E-09	1.71E-08	1.35E-08	1.17E-08	5.26E-09	1.89E-10	4.57E-09	3.21E-09	2.78E-09	8.30E-10	1.16E-08
473863.09, 3864877.25	0.00482	1.758E-05	6.08E-09	1.84E-08	1.45E-08	1.26E-08	5.65E-09	2.03E-10	4.91E-09	3.45E-09	2.98E-09	8.91E-10	1.24E-08
474363.09, 3864877.25	0.00504	1.838E-05	6.36E-09	1.92E-08	1.52E-08	1.31E-08	5.90E-09	2.12E-10	5.13E-09	3.61E-09	3.12E-09	9.31E-10	1.30E-08
474863.09, 3864877.25	0.00533	1.944E-05	6.73E-09	2.03E-08	1.60E-08	1.39E-08	6.24E-09	2.25E-10	5.43E-09	3.81E-09	3.30E-09	9.85E-10	1.37E-08
475363.09, 3864877.25	0.00563	2.053E-05	7.11E-09	2.15E-08	1.70E-08	1.47E-08	6.60E-09	2.37E-10	5.73E-09	4.03E-09	3.48E-09	1.04E-09	1.45E-08
475863.09, 3864877.25	0.00602	2.195E-05	7.60E-09	2.29E-08	1.81E-08	1.57E-08	7.05E-09	2.54E-10	6.13E-09	4.31E-09	3.73E-09	1.11E-09	1.55E-08
476363.09, 3864877.25	0.00628	2.29E-05	7.93E-09	2.39E-08	1.89E-08	1.64E-08	7.36E-09	2.65E-10	6.39E-09	4.49E-09	3.89E-09	1.16E-09	1.62E-08
476863.09, 3864877.25	0.00626	2.283E-05	7.90E-09	2.39E-08	1.88E-08	1.63E-08	7.33E-09	2.64E-10	6.37E-09	4.48E-09	3.87E-09	1.16E-09	1.61E-08
477363.09, 3864877.25	0.00682	2.487E-05	8.61E-09	2.60E-08	2.05E-08	1.78E-08	7.99E-09	2.87E-10	6.94E-09	4.88E-09	4.22E-09	1.26E-09	1.76E-08
477863.09, 3864877.25	0.00731	2.666E-05	9.23E-09	2.79E-08	2.20E-08	1.90E-08	8.56E-09	3.08E-10	7.44E-09	5.23E-09	4.52E-09	1.35E-09	1.89E-08
478363.09, 3864877.25	0.00783	2.855E-05	9.88E-09	2.98E-08	2.36E-08	2.04E-08	9.17E-09	3.30E-10	7.97E-09	5.60E-09	4.85E-09	1.45E-09	2.02E-08
478863.09, 3864877.25	0.0084	3.063E-05	1.06E-08	3.20E-08	2.53E-08	2.19E-08	9.84E-09	3.54E-10	8.55E-09	6.01E-09	5.20E-09	1.55E-09	2.17E-08
479363.09, 3864877.25	0.00898	3.275E-05	1.13E-08	3.42E-08	2.70E-08	2.34E-08	1.05E-08	3.79E-10	9.14E-09	6.42E-09	5.56E-09	1.66E-09	2.32E-08
479863.09, 3864877.25	0.00954	3.479E-05	1.20E-08	3.64E-08	2.87E-08	2.49E-08	1.12E-08	4.02E-10	9.71E-09	6.82E-09	5.91E-09	1.76E-09	2.46E-08
480363.09, 3864877.25	0.00988	3.603E-05	1.25E-08	3.77E-08	2.97E-08	2.57E-08	1.16E-08	4.16E-10	1.01E-08	7.07E-09	6.12E-09	1.83E-09	2.55E-08
480863.09, 3864877.25	0.01043	3.803E-05	1.32E-08	3.98E-08	3.14E-08	2.72E-08	1.22E-08	4.40E-10	1.06E-08	7.46E-09	6.46E-09	1.93E-09	2.69E-08
481363.09, 3864877.25	0.01083	3.949E-05	1.37E-08	4.13E-08	3.26E-08	2.82E-08	1.27E-08	4.57E-10	1.10E-08	7.75E-09	6.70E-09	2.00E-09	2.79E-08
481863.09, 3864877.25	0.01124	4.099E-05	1.42E-08	4.28E-08	3.38E-08	2.93E-08	1.32E-08	4.74E-10	1.14E-08	8.04E-09	6.96E-09	2.08E-09	2.90E-08
482363.09, 3864877.25	0.01161	4.234E-05	1.47E-08	4.43E-08	3.50E-08	3.02E-08	1.36E-08	4.89E-10	1.18E-08	8.31E-09	7.19E-09	2.15E-09	2.99E-08
482863.09, 3864877.25	0.01208	4.405E-05	1.52E-08	4.60E-08	3.64E-08	3.15E-08	1.42E-08	5.09E-10	1.23E-08	8.64E-09	7.48E-09	2.23E-09	3.12E-08
483363.09, 3864877.25	0.01271	4.635E-05	1.60E-08	4.84E-08	3.83E-08	3.31E-08	1.49E-08	5.36E-10	1.29E-08	9.09E-09	7.87E-09	2.35E-09	3.28E-08
483863.09, 3864877.25	0.01361	4.963E-05	1.72E-08	5.19E-08	4.10E-08	3.55E-08	1.59E-08	5.74E-10	1.39E-08	9.74E-09	8.42E-09	2.51E-09	3.51E-08
484363.09, 3864877.25	0.01449	5.284E-05	1.83E-08	5.52E-08	4.36E-08	3.77E-08	1.70E-08	6.11E-10	1.48E-08	1.04E-08	8.97E-09	2.68E-09	3.74E-08
484863.09, 3864877.25	0.0154	5.616E-05	1.94E-08	5.87E-08	4.64E-08	4.01E-08	1.80E-08	6.49E-10	1.57E-08	1.10E-08	9.53E-09	2.85E-09	3.97E-08
485363.09, 3864877.25	0.01609	5.867E-05	2.03E-08	6.13E-08	4.84E-08	4.19E-08	1.88E-08	6.78E-10	1.64E-08	1.15E-08	9.96E-09	2.97E-09	4.15E-08
485863.09, 3864877.25	0.01689	6.159E-05	2.13E-08	6.44E-08	5.09E-08	4.40E-08	1.98E-08	7.12E-10	1.72E-08	1.21E-08	1.05E-08	3.12E-09	4.36E-08
486363.09, 3864877.25	0.01766	6.44E-05	2.23E-08	6.73E-08	5.32E-08	4.60E-08	2.07E-08	7.44E-10	1.80E-08	1.26E-08	1.09E-08	3.26E-09	4.56E-08
486863.09, 3864877.25	0.01868	6.812E-05	2.36E-08	7.12E-08	5.62E-08	4.87E-08	2.19E-08	7.87E-10	1.90E-08	1.34E-08	1.16E-08	3.45E-09	4.82E-08
487363.09, 3864877.25	0.02011	7.333E-05	2.54E-08	7.66E-08	6.05E-08	5.24E-08	2.36E-08	8.48E-10	2.05E-08	1.44E-08	1.24E-08	3.72E-09	5.19E-08
487863.09, 3864877.25	0.02155	7.859E-05	2.72E-08	8.21E-08	6.49E-08	5.61E-08	2.52E-08	9.08E-10	2.19E-08	1.54E-08	1.33E-08	3.98E-09	5.56E-08
488363.09, 3864877.25	0.02297	8.376E-05	2.90E-08	8.76E-08	6.92E-08	5.98E-08	2.69E-08	9.68E-10	2.34E-08	1.64E-08	1.42E-08	4.24E-09	5.93E-08
488863.09, 3864877.25	0.02442	8.905E-05	3.08E-08	9.31E-08	7.35E-08	6.36E-08	2.86E-08	1.03E-09	2.49E-08	1.75E-08	1.51E-08	4.51E-09	6.30E-08
489363.09, 3864877.25	0.0259	9.445E-05	3.27E-08	9.87E-08	7.80E-08	6.75E-08	3.03E-08	1.09E-09	2.64E-08	1.85E-08	1.60E-08	4.79E-09	6.68E-08
489863.09, 3864877.25	0.02761	0.0001007	3.49E-08	1.05E-07	8.31E-08	7.19E-08	3.23E-08	1.16E-09	2.81E-08	1.98E-08	1.71E-08	5.10E-09	7.12E-08
490363.09, 3864877.25	0.02918	0.0001064	3.68E-08	1.11E-07	8.79E-08	7.60E-08	3.42E-08	1.23E-09	2.97E-08	2.09E-08	1.81E-08	5.39E-09	7.53E-08
490863.09, 3864877.25	0.0094	3.428E-05	1.19E-08	3.58E-08	2.83E-08	2.45E-08	1.10E-08	3.96E-10	9.57E-09	6.72E-09	5.82E-09	1.74E-09	2.42E-08
491363.09, 3864877.25	0.02076	7.57E-05	2.62E-08	7.91E-08	6.25E-08	5.41E-08	2.43E-08	8.75E-10	2.11E-08	1.49E-08	1.28E-08	3.84E-09	5.35E-08
491863.09, 3864877.25	0.0091	3.318E-05	1.15E-08	3.47E-08	2.74E-08	2.37E-08	1.07E-08	3.84E-10	9.27E-09	6.51E-09	5.63E-09	1.68E-09	2.35E-08
492363.09, 3864877.25	0.0018	6.564E-06	2.27E-09	6.86E-09	5.42E-09	4.69E-09	2.11E-09	7.59E-11	1.83E-09	1.29E-09	1.11E-09	3.33E-10	4.64E-09
492863.09, 3864877.25	0.00224	8.169E-06	2.83E-09	8.54E-09	6.74E-09	5.84E-09	2.62E-09	9.44E-11	2.28E-09	1.60E-09	1.39E-09	4.14E-10	5.78E-09
493363.09, 3864877.25	0.00232	8.46E-06	2.93E-09	8.84E-09	6.98E-09	6.04E-09	2.72E-09	9.78E-11	2.36E-09	1.66E-09	1.44E-09	4.29E-10	5.98E-09
493863.09, 3864877.25	0.00617	2.25E-05	7.79E-09	2.35E-08	1.86E-08	1.61E-08	7.23E-09	2.60E-10	6.28E-09	4.41E-09	3.82E-09	1.14E-09	1.59E-08
494363.09, 3864877.25	0.01274	4.646E-05	1.61E-08	4.86E-08	3.84E-08	3.32E-08	1.49E-08	5.37E-10	1.30E-08	9.11E-09	7.89E-09	2.35E-09	3.29E-08

494863.09, 3864877.25	0.01635	5.962E-05	2.06E-08	6.23E-08	4.92E-08	4.26E-08	1.92E-08	6.89E-10	1.66E-08	1.17E-08	1.01E-08	3.02E-09	4.22E-08
495363.09, 3864877.25	0.02134	7.782E-05	2.69E-08	8.13E-08	6.42E-08	5.56E-08	2.50E-08	9.00E-10	2.17E-08	1.53E-08	1.32E-08	3.94E-09	5.50E-08
495863.09, 3864877.25	0.03472	0.0001266	4.38E-08	1.32E-07	1.05E-07	9.04E-08	4.07E-08	1.46E-09	3.54E-08	2.48E-08	2.15E-08	6.42E-09	8.96E-08
496363.09, 3864877.25	0.02874	0.0001048	3.63E-08	1.10E-07	8.65E-08	7.49E-08	3.37E-08	1.21E-09	2.93E-08	2.06E-08	1.78E-08	5.31E-09	7.41E-08
496863.09, 3864877.25	0.0325	0.0001185	4.10E-08	1.24E-07	9.78E-08	8.47E-08	3.81E-08	1.37E-09	3.31E-08	2.32E-08	2.01E-08	6.01E-09	8.38E-08
497363.09, 3864877.25	0.04488	0.0001637	5.67E-08	1.71E-07	1.35E-07	1.17E-07	5.26E-08	1.89E-09	4.57E-08	3.21E-08	2.78E-08	8.29E-09	1.16E-07
497863.09, 3864877.25	0.05403	0.000197	6.82E-08	2.06E-07	1.63E-07	1.41E-07	6.33E-08	2.28E-09	5.50E-08	3.87E-08	3.34E-08	9.98E-09	1.39E-07
498363.09, 3864877.25	0.07889	0.0002877	9.96E-08	3.01E-07	2.38E-07	2.06E-07	9.24E-08	3.33E-09	8.03E-08	5.64E-08	4.88E-08	1.46E-08	2.03E-07
471363.09, 3865377.25	0.00391	1.426E-05	4.94E-09	1.49E-08	1.18E-08	1.02E-08	4.58E-09	1.65E-10	3.98E-09	2.80E-09	2.42E-09	7.22E-10	1.01E-08
471863.09, 3865377.25	0.00409	1.491E-05	5.16E-09	1.56E-08	1.23E-08	1.07E-08	4.79E-09	1.72E-10	4.16E-09	2.93E-09	2.53E-09	7.56E-10	1.06E-08
472363.09, 3865377.25	0.00433	1.579E-05	5.47E-09	1.65E-08	1.30E-08	1.13E-08	5.07E-09	1.83E-10	4.41E-09	3.10E-09	2.68E-09	8.00E-10	1.12E-08
472863.09, 3865377.25	0.00443	1.615E-05	5.59E-09	1.69E-08	1.33E-08	1.15E-08	5.19E-09	1.87E-10	4.51E-09	3.17E-09	2.74E-09	8.19E-10	1.14E-08
473363.09, 3865377.25	0.00498	1.816E-05	6.29E-09	1.90E-08	1.50E-08	1.30E-08	5.83E-09	2.10E-10	5.07E-09	3.56E-09	3.08E-09	9.20E-10	1.28E-08
473863.09, 3865377.25	0.00533	1.944E-05	6.73E-09	2.03E-08	1.60E-08	1.39E-08	6.24E-09	2.25E-10	5.43E-09	3.81E-09	3.30E-09	9.85E-10	1.37E-08
474363.09, 3865377.25	0.00561	2.046E-05	7.08E-09	2.14E-08	1.69E-08	1.46E-08	6.57E-09	2.36E-10	5.71E-09	4.01E-09	3.47E-09	1.04E-09	1.45E-08
474863.09, 3865377.25	0.00579	2.111E-05	7.31E-09	2.21E-08	1.74E-08	1.51E-08	6.78E-09	2.44E-10	5.90E-09	4.14E-09	3.58E-09	1.07E-09	1.49E-08
475363.09, 3865377.25	0.00622	2.268E-05	7.85E-09	2.37E-08	1.87E-08	1.62E-08	7.29E-09	2.62E-10	6.33E-09	4.45E-09	3.85E-09	1.15E-09	1.60E-08
475863.09, 3865377.25	0.00646	2.356E-05	8.15E-09	2.46E-08	1.94E-08	1.68E-08	7.57E-09	2.72E-10	6.58E-09	4.62E-09	4.00E-09	1.19E-09	1.67E-08
476363.09, 3865377.25	0.00543	1.98E-05	6.85E-09	2.07E-08	1.63E-08	1.41E-08	6.36E-09	2.29E-10	5.53E-09	3.88E-09	3.36E-09	1.00E-09	1.40E-08
476863.09, 3865377.25	0.00335	1.222E-05	4.23E-09	1.28E-08	1.01E-08	8.73E-09	3.92E-09	1.41E-10	3.41E-09	2.40E-09	2.07E-09	6.19E-10	8.64E-09
477363.09, 3865377.25	0.00622	2.268E-05	7.85E-09	2.37E-08	1.87E-08	1.62E-08	7.29E-09	2.62E-10	6.33E-09	4.45E-09	3.85E-09	1.15E-09	1.60E-08
477863.09, 3865377.25	0.00759	2.768E-05	9.58E-09	2.89E-08	2.29E-08	1.98E-08	8.89E-09	3.20E-10	7.73E-09	5.43E-09	4.70E-09	1.40E-09	1.96E-08
478363.09, 3865377.25	0.00794	2.895E-05	1.00E-08	3.03E-08	2.39E-08	2.07E-08	9.30E-09	3.35E-10	8.08E-09	5.68E-09	4.91E-09	1.47E-09	2.05E-08
478863.09, 3865377.25	0.00841	3.067E-05	1.06E-08	3.21E-08	2.53E-08	2.19E-08	9.85E-09	3.55E-10	8.56E-09	6.02E-09	5.21E-09	1.55E-09	2.17E-08
479363.09, 3865377.25	0.00873	3.184E-05	1.10E-08	3.33E-08	2.63E-08	2.27E-08	1.02E-08	3.68E-10	8.89E-09	6.25E-09	5.40E-09	1.61E-09	2.25E-08
479863.09, 3865377.25	0.00888	3.238E-05	1.12E-08	3.38E-08	2.67E-08	2.31E-08	1.04E-08	3.74E-10	9.04E-09	6.35E-09	5.50E-09	1.64E-09	2.29E-08
480363.09, 3865377.25	0.00922	3.362E-05	1.16E-08	3.51E-08	2.78E-08	2.40E-08	1.08E-08	3.89E-10	9.39E-09	6.60E-09	5.71E-09	1.70E-09	2.38E-08
480863.09, 3865377.25	0.00958	3.494E-05	1.21E-08	3.65E-08	2.88E-08	2.50E-08	1.12E-08	4.04E-10	9.75E-09	6.85E-09	5.93E-09	1.77E-09	2.47E-08
481363.09, 3865377.25	0.01	3.647E-05	1.26E-08	3.81E-08	3.01E-08	2.61E-08	1.17E-08	4.22E-10	1.02E-08	7.15E-09	6.19E-09	1.85E-09	2.58E-08
481863.09, 3865377.25	0.01055	3.847E-05	1.33E-08	4.02E-08	3.18E-08	2.75E-08	1.24E-08	4.45E-10	1.07E-08	7.55E-09	6.53E-09	1.95E-09	2.72E-08
482363.09, 3865377.25	0.01115	4.066E-05	1.41E-08	4.25E-08	3.36E-08	2.90E-08	1.31E-08	4.70E-10	1.14E-08	7.98E-09	6.90E-09	2.06E-09	2.88E-08
482863.09, 3865377.25	0.01183	4.314E-05	1.49E-08	4.51E-08	3.56E-08	3.08E-08	1.39E-08	4.99E-10	1.20E-08	8.46E-09	7.32E-09	2.19E-09	3.05E-08
483363.09, 3865377.25	0.0125	4.558E-05	1.58E-08	4.76E-08	3.76E-08	3.26E-08	1.46E-08	5.27E-10	1.27E-08	8.94E-09	7.74E-09	2.31E-09	3.22E-08
483863.09, 3865377.25	0.01309	4.773E-05	1.65E-08	4.99E-08	3.94E-08	3.41E-08	1.53E-08	5.52E-10	1.33E-08	9.36E-09	8.10E-09	2.42E-09	3.38E-08
484363.09, 3865377.25	0.01355	4.941E-05	1.71E-08	5.16E-08	4.08E-08	3.53E-08	1.59E-08	5.71E-10	1.38E-08	9.69E-09	8.39E-09	2.50E-09	3.50E-08
484863.09, 3865377.25	0.01396	5.091E-05	1.76E-08	5.32E-08	4.20E-08	3.64E-08	1.64E-08	5.88E-10	1.42E-08	9.99E-09	8.64E-09	2.58E-09	3.60E-08
485363.09, 3865377.25	0.01449	5.284E-05	1.83E-08	5.52E-08	4.36E-08	3.77E-08	1.70E-08	6.11E-10	1.48E-08	1.04E-08	8.97E-09	2.68E-09	3.74E-08
485863.09, 3865377.25	0.01534	5.594E-05	1.94E-08	5.85E-08	4.62E-08	4.00E-08	1.80E-08	6.47E-10	1.56E-08	1.10E-08	9.50E-09	2.83E-09	3.96E-08
486363.09, 3865377.25	0.01631	5.948E-05	2.06E-08	6.22E-08	4.91E-08	4.25E-08	1.91E-08	6.88E-10	1.66E-08	1.17E-08	1.01E-08	3.01E-09	4.21E-08
486863.09, 3865377.25	0.01759	6.414E-05	2.22E-08	6.70E-08	5.30E-08	4.58E-08	2.06E-08	7.41E-10	1.79E-08	1.26E-08	1.09E-08	3.25E-09	4.54E-08
487363.09, 3865377.25	0.01884	6.87E-05	2.38E-08	7.18E-08	5.67E-08	4.91E-08	2.21E-08	7.94E-10	1.92E-08	1.35E-08	1.17E-08	3.48E-09	4.86E-08
487863.09, 3865377.25	0.01979	7.217E-05	2.50E-08	7.54E-08	5.96E-08	5.16E-08	2.32E-08	8.34E-10	2.02E-08	1.42E-08	1.22E-08	3.66E-09	5.10E-08
488363.09, 3865377.25	0.02022	7.374E-05	2.55E-08	7.71E-08	6.09E-08	5.27E-08	2.37E-08	8.52E-10	2.06E-08	1.45E-08	1.25E-08	3.74E-09	5.22E-08
488863.09, 3865377.25	0.02061	7.516E-05	2.60E-08	7.86E-08	6.21E-08	5.37E-08	2.41E-08	8.69E-10	2.10E-08	1.47E-08	1.28E-08	3.81E-09	5.32E-08
489363.09, 3865377.25	0.02148	7.833E-05	2.71E-08	8.19E-08	6.47E-08	5.60E-08	2.52E-08	9.05E-10	2.19E-08	1.54E-08	1.33E-08	3.97E-09	5.54E-08
489863.09, 3865377.25	0.02224	8.11E-05	2.81E-08	8.48E-08	6.70E-08	5.79E-08	2.61E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.74E-08
490363.09, 3865377.25	0.01005	3.665E-05	1.27E-08	3.83E-08	3.03E-08	2.62E-08	1.18E-08	4.24E-10	1.02E-08	7.19E-09	6.22E-09	1.86E-09	2.59E-08
490863.09, 3865377.25	0.00891	3.249E-05	1.12E-08	3.40E-08	2.68E-08	2.32E-08	1.04E-08	3.76E-10	9.07E-09	6.37E-09	5.52E-09	1.65E-09	2.30E-08
491363.09, 3865377.25	0.00816	2.976E-05	1.03E-08	3.11E-08	2.46E-08	2.13E-08	9.56E-09	3.44E-10	8.31E-09	5.84E-09	5.05E-09	1.51E-09	2.10E-08
491863.09, 3865377.25	0.00807	2.943E-05	1.02E-08	3.08E-08	2.43E-08	2.10E-08	9.45E-09	3.40E-10	8.22E-09	5.77E-09	5.00E-09	1.49E-09	2.08E-08
492363.09, 3865377.25	0.00383	1.397E-05	4.83E-09	1.46E-08	1.15E-08	9.98E-09	4.49E-09	1.61E-10	3.90E-09	2.74E-09	2.37E-09	7.08E-10	9.88E-09
492863.09, 3865377.25	0.00251	9.153E-06	3.17E-09	9.57E-09	7.56E-09	6.54E-09	2.94E-09	1.06E-10	2.56E-09	1.80E-09	1.55E-09	4.64E-10	6.47E-09
493363.09, 3865377.25	0.00211	7.694E-06	2.66E-09	8.04E-09	6.35E-09	5.50E-09	2.47E-09	8.89E-11	2.15E-09	1.51E-09	1.31E-09	3.90E-10	5.44E-09
493863.09, 3865377.25	0.00323	1.178E-05	4.08E-09	1.23E-08	9.72E-09	8.41E-09	3.78E-09	1.36E-10	3.29E-09	2.31E-09	2.00E-09	5.97E-10	8.33E-09
494363.09, 3865377.25	0.00621	2.265E-05	7.84E-09	2.37E-08	1.87E-08	1.62E-08	7.27E-09	2.62E-10	6.32E-09	4.44E-09	3.84E-09	1.15E-09	1.60E-08
494863.09, 3865377.25	0.01035	3.774E-05	1.31E-08	3.94E-08	3.12E-08	2.70E-08	1.21E-08	4.36E-10	1.05E-08	7.40E-09	6.41E-09	1.91E-09	2.67E-08
495363.09, 3865377.25	0.01151	4.197E-05	1.45E-08	4.39E-08	3.47E-08	3.00E-08	1.35E-08	4.85E-10	1.17E-08	8.23E-09	7.12E-09	2.13E-09	2.97E-08
495863.09, 3865377.25	0.01914	6.98E-05	2.42E-08	7.30E-08	5.76E-08	4.99E-08	2.24E-08	8.07E-10	1.95E-08	1.37E-08	1.18E-08	3.54E-09	4.94E-08
496363.09, 3865377.25	0.01644	5.995E-05	2.08E-08	6.27E-08	4.95E-08	4.28E-08	1.93E-08	6.93E-10	1.67E-08	1.18E-08	1.02E-08	3.04E-09	4.24E-08
496863.09, 3865377.25	0.01687	6.152E-05	2.13E-08	6.43E-08	5.08E-08	4.39E-08	1.98E-08	7.11E-10	1.72E-08	1.21E-08	1.04E-08	3.12E-09	4.35E-08
497363.09, 3865377.25	0.02571	9.376E-05	3.25E-08	9.80E-08	7.74E-08	6.70E-08	3.01E-08	1.08E-09	2.62E-08	1.84E-08	1.59E-08	4.75E-09	6.63E-08
497863.09, 3865377.25	0.03258	0.0001188	4.11E-08	1.24E-07	9.81E-08	8.49E-08	3.82E-08	1.37E-09	3.32E-08	2.33E-08	2.02E-08	6.02E-09	8.40E-08
498363.09, 3865377.25	0.03095	0.0001129	3.91E-08	1.18E-07	9.32E-08	8.06E-08	3.63E-08	1.30E-09	3.15E-08	2.21E-08	1.92E-08	5.72E-09	7.98E-08
471363.09, 3865877.25	0.00429	1.564E-05	5.42E-09	1.64E-08	1.29E-08	1.12E-08	5.03E-09	1.81E-10	4.37E-09	3.07E-09	2.66E-09	7.93E-10	1.11E-08
471863.09, 3865877.25	0.00454	1.656E-05	5.73E-09	1.73E-08	1.37E-08	1.18E-08	5.32E-09	1.91E-10	4.62E-09	3.25E-09	2.81E-09	8.39E-10	1.17E-08
472363.09, 3865877.25	0.00439	1.601E-05	5.54E-09	1.67E-08	1.32E-08	1.14E-08	5.14E-09	1.85E-10	4.47E-09	3.14E-09	2.72E-09	8.11E-10	1.13E-08
472863.09, 3865877.25	0.00503	1.834E-05	6.35E-09	1.92E-08	1.51E-08	1.31E-08	5.89E-09	2.12E-10	5.12E-09	3.60E-09	3.11E-09	9.29E-10	1.30E-08
473363.09, 3865877.25	0.00538	1.962E-05	6.79E-09	2.05E-08	1.62E-08	1.40E-08	6.30E-09	2.27E-10	5.48E-09	3.85E-09	3.33E-09	9.94E-10	1.39E-08
473863.09, 3865877.25	0.00557	2.031E-05	7.03E-09	2.12E-08	1.68E-08	1.45E-08	6.52E-09	2.35E-10	5.67E-09	3.98E-09	3.45E-09	1.03E-09	1.44E-08
474363.09, 3865877.25	0.00583	2.126E-05	7.36E-09	2.22E-08	1.76E-08	1.52E-08	6.83E-09	2.46E-10	5.94E-09	4.17E-09	3.61E-09	1.08E-09	1.50E-08
474863.09, 3865877.25	0.00596	2.173E-05	7.52E-09	2.27E-08	1.79E-08	1.55E-08	6.98E-09	2.51E-10	6.07E-09	4.26E-09	3.69E-09	1.10E-09	1.54E-08
475363.09, 3865877.25	0.00625	2.279E-05	7.89E-09	2.38E-08	1.88E-08	1.63E-08	7.32E-09	2.63E-10	6.36E-09	4.47E-09	3.87E-09	1.15E-09	1.61E-08
475863.09, 3865877.25	0.00639	2.33E-05	8.07E-09	2.44E-08	1.92E-08	1.66E-08	7.49E-09	2.69E-10	6.51E-09	4.57E-09	3.96E-09	1.18E-09	1.65E-08
476363.09, 3865877.25	0.00446	1.626E-05	5.63E-09	1.70E-08	1.34E-08	1.16E-08	5.22E-09	1.88E-10	4.54E-09	3.19E-09	2.76E-09	8.24E-10	1.15E-08
476863.09, 3865877.25	0.00328	1.196E-05	4.14E-09	1.25E-08	9.88E-09	8.54E-09	3.84E-09	1.38E-10	3.34E-09	2.35E-09	2.03E-09	6.06E-10	8.46E-09
477363.09, 3865877.25	0.00545	1.987E-05	6.88E-09	2.08E-08	1.64E-08	1.42E-08	6.38E-09	2.30E-10	5.55E-09	3.90E-09	3.37E-09	1.01E-09	1.41E-08
477863.09, 3865877.25	0.00692	2.523E-05	8.74E-09	2.64E-08	2.08E-08	1.80E-08	8.11E-09	2.92E-10	7.05E-09	4.95E-09	4.28E-09	1.28E-09	1.78E-08
478363.09, 3865877.25	0.00723	2.637E-05	9.13E-09	2.76E-08	2.18E-08	1.88E-08	8.47E-09	3.05E-10	7.36E-09	5.17E-09	4.48E-09	1.34E-09	1.86E-08
478863.09, 3865877.25	0.00754	2.75E-05	9.52E-09	2.87E-08	2.27E-08	1.96E-08	8.83E-09	3.18E-10	7.68E-09	5.39E-09	4.67E-09	1.39E-09	1.94E-08
479363.09, 3865877.25	0.00786	2.866E-05	9.92E-09	3.00E-08	2.37E-08	2.05E-08	9.21E-09	3.31E-10	8.00E-09	5.62E-09	4.87E-09	1.45E-09	2.03E-08

479863.09, 3865877.25	0.00831	3.03E-05	1.05E-08	3.17E-08	2.50E-08	2.16E-08	9.73E-09	3.50E-10	8.46E-09	5.94E-09	5.14E-09	1.54E-09	2.14E-08
480363.09, 3865877.25	0.00881	3.213E-05	1.11E-08	3.36E-08	2.65E-08	2.30E-08	1.03E-08	3.71E-10	8.97E-09	6.30E-09	5.45E-09	1.63E-09	2.27E-08
480863.09, 3865877.25	0.00933	3.402E-05	1.18E-08	3.56E-08	2.81E-08	2.43E-08	1.09E-08	3.93E-10	9.50E-09	6.67E-09	5.78E-09	1.72E-09	2.41E-08
481363.09, 3865877.25	0.00986	3.596E-05	1.24E-08	3.76E-08	2.97E-08	2.57E-08	1.16E-08	4.16E-10	1.00E-08	7.05E-09	6.10E-09	1.82E-09	2.54E-08
481863.09, 3865877.25	0.01034	3.771E-05	1.31E-08	3.94E-08	3.11E-08	2.69E-08	1.21E-08	4.36E-10	1.05E-08	7.40E-09	6.40E-09	1.91E-09	2.67E-08
482363.09, 3865877.25	0.01085	3.957E-05	1.37E-08	4.14E-08	3.27E-08	2.83E-08	1.27E-08	4.57E-10	1.10E-08	7.76E-09	6.72E-09	2.00E-09	2.80E-08
482863.09, 3865877.25	0.01127	4.11E-05	1.42E-08	4.30E-08	3.39E-08	2.94E-08	1.32E-08	4.75E-10	1.15E-08	8.06E-09	6.98E-09	2.08E-09	2.91E-08
483363.09, 3865877.25	0.01169	4.263E-05	1.48E-08	4.46E-08	3.52E-08	3.05E-08	1.37E-08	4.93E-10	1.19E-08	8.36E-09	7.24E-09	2.16E-09	3.02E-08
483863.09, 3865877.25	0.01184	4.318E-05	1.49E-08	4.51E-08	3.56E-08	3.08E-08	1.39E-08	4.99E-10	1.21E-08	8.47E-09	7.33E-09	2.19E-09	3.05E-08
484363.09, 3865877.25	0.01232	4.493E-05	1.56E-08	4.70E-08	3.71E-08	3.21E-08	1.44E-08	5.19E-10	1.25E-08	8.81E-09	7.63E-09	2.28E-09	3.18E-08
484863.09, 3865877.25	0.01307	4.766E-05	1.65E-08	4.98E-08	3.94E-08	3.40E-08	1.53E-08	5.51E-10	1.33E-08	9.35E-09	8.09E-09	2.41E-09	3.37E-08
485363.09, 3865877.25	0.01389	5.065E-05	1.75E-08	5.29E-08	4.18E-08	3.62E-08	1.63E-08	5.86E-10	1.41E-08	9.94E-09	8.60E-09	2.57E-09	3.58E-08
485863.09, 3865877.25	0.01479	5.393E-05	1.87E-08	5.64E-08	4.45E-08	3.85E-08	1.73E-08	6.23E-10	1.51E-08	1.06E-08	9.15E-09	2.73E-09	3.82E-08
486363.09, 3865877.25	0.01566	5.711E-05	1.98E-08	5.97E-08	4.71E-08	4.08E-08	1.83E-08	6.60E-10	1.59E-08	1.12E-08	9.69E-09	2.89E-09	4.04E-08
486863.09, 3865877.25	0.01625	5.926E-05	2.05E-08	6.19E-08	4.89E-08	4.23E-08	1.90E-08	6.85E-10	1.65E-08	1.16E-08	1.01E-08	3.00E-09	4.19E-08
487363.09, 3865877.25	0.01646	6.002E-05	2.08E-08	6.27E-08	4.96E-08	4.29E-08	1.93E-08	6.94E-10	1.68E-08	1.18E-08	1.02E-08	3.04E-09	4.25E-08
487863.09, 3865877.25	0.01645	5.999E-05	2.08E-08	6.27E-08	4.95E-08	4.29E-08	1.93E-08	6.93E-10	1.67E-08	1.18E-08	1.02E-08	3.04E-09	4.24E-08
488363.09, 3865877.25	0.01718	6.265E-05	2.17E-08	6.55E-08	5.17E-08	4.48E-08	2.01E-08	7.24E-10	1.75E-08	1.23E-08	1.06E-08	3.17E-09	4.43E-08
488863.09, 3865877.25	0.01804	6.579E-05	2.28E-08	6.88E-08	5.43E-08	4.70E-08	2.11E-08	7.60E-10	1.84E-08	1.29E-08	1.12E-08	3.33E-09	4.65E-08
489363.09, 3865877.25	0.01898	6.921E-05	2.40E-08	7.23E-08	5.71E-08	4.94E-08	2.22E-08	8.00E-10	1.93E-08	1.36E-08	1.17E-08	3.51E-09	4.90E-08
489863.09, 3865877.25	0.02025	7.384E-05	2.56E-08	7.72E-08	6.10E-08	5.28E-08	2.37E-08	8.54E-10	2.06E-08	1.45E-08	1.25E-08	3.74E-09	5.22E-08
490363.09, 3865877.25	0.01594	5.813E-05	2.01E-08	6.08E-08	4.80E-08	4.15E-08	1.87E-08	6.72E-10	1.62E-08	1.14E-08	9.87E-09	2.95E-09	4.11E-08
490863.09, 3865877.25	0.0092	3.355E-05	1.16E-08	3.51E-08	2.77E-08	2.40E-08	1.08E-08	3.88E-10	9.37E-09	6.58E-09	5.69E-09	1.70E-09	2.37E-08
491363.09, 3865877.25	0.00638	2.327E-05	8.05E-09	2.43E-08	1.92E-08	1.66E-08	7.47E-09	2.69E-10	6.50E-09	4.56E-09	3.95E-09	1.18E-09	1.65E-08
491863.09, 3865877.25	0.00716	2.611E-05	9.04E-09	2.73E-08	2.16E-08	1.87E-08	8.39E-09	3.02E-10	7.29E-09	5.12E-09	4.43E-09	1.32E-09	1.85E-08
492363.09, 3865877.25	0.00595	2.17E-05	7.51E-09	2.27E-08	1.79E-08	1.55E-08	6.97E-09	2.51E-10	6.06E-09	4.26E-09	3.68E-09	1.10E-09	1.53E-08
492863.09, 3865877.25	0.00278	1.014E-05	3.51E-09	1.06E-08	8.37E-09	7.24E-09	3.26E-09	1.17E-10	2.83E-09	1.99E-09	1.72E-09	5.14E-10	7.17E-09
493363.09, 3865877.25	0.00246	8.971E-06	3.11E-09	9.38E-09	7.41E-09	6.41E-09	2.88E-09	1.04E-10	2.50E-09	1.76E-09	1.52E-09	4.55E-10	6.35E-09
493863.09, 3865877.25	0.00356	1.298E-05	4.49E-09	1.36E-08	1.07E-08	9.27E-09	4.17E-09	1.50E-10	3.62E-09	2.55E-09	2.20E-09	6.58E-10	9.18E-09
494363.09, 3865877.25	0.00558	2.035E-05	7.04E-09	2.13E-08	1.68E-08	1.45E-08	6.54E-09	2.35E-10	5.68E-09	3.99E-09	3.45E-09	1.03E-09	1.44E-08
494863.09, 3865877.25	0.01066	3.887E-05	1.35E-08	4.06E-08	3.21E-08	2.78E-08	1.25E-08	4.49E-10	1.09E-08	7.63E-09	6.60E-09	1.97E-09	2.75E-08
495363.09, 3865877.25	0.01133	4.132E-05	1.43E-08	4.32E-08	3.41E-08	2.95E-08	1.33E-08	4.78E-10	1.15E-08	8.10E-09	7.01E-09	2.09E-09	2.92E-08
495863.09, 3865877.25	0.01033	3.767E-05	1.30E-08	3.94E-08	3.11E-08	2.69E-08	1.21E-08	4.35E-10	1.05E-08	7.39E-09	6.39E-09	1.91E-09	2.66E-08
496363.09, 3865877.25	0.0094	3.428E-05	1.19E-08	3.58E-08	2.83E-08	2.45E-08	1.10E-08	3.96E-10	9.57E-09	6.72E-09	5.82E-09	1.74E-09	2.42E-08
496863.09, 3865877.25	0.0088	3.209E-05	1.11E-08	3.35E-08	2.65E-08	2.29E-08	1.03E-08	3.71E-10	8.96E-09	6.30E-09	5.45E-09	1.63E-09	2.27E-08
497363.09, 3865877.25	0.01238	4.515E-05	1.56E-08	4.72E-08	3.73E-08	3.23E-08	1.45E-08	5.22E-10	1.26E-08	8.86E-09	7.66E-09	2.29E-09	3.19E-08
497863.09, 3865877.25	0.01553	5.663E-05	1.96E-08	5.92E-08	4.68E-08	4.05E-08	1.82E-08	6.55E-10	1.58E-08	1.11E-08	9.61E-09	2.87E-09	4.01E-08
498363.09, 3865877.25	0.01454	5.302E-05	1.84E-08	5.54E-08	4.38E-08	3.79E-08	1.70E-08	6.13E-10	1.48E-08	1.04E-08	9.00E-09	2.69E-09	3.75E-08
471363.09, 3866377.25	0.00449	1.637E-05	5.67E-09	1.71E-08	1.35E-08	1.17E-08	5.26E-09	1.89E-10	4.57E-09	3.21E-09	2.78E-09	8.30E-10	1.16E-08
471863.09, 3866377.25	0.00447	1.63E-05	5.64E-09	1.70E-08	1.35E-08	1.16E-08	5.24E-09	1.88E-10	4.55E-09	3.20E-09	2.77E-09	8.26E-10	1.15E-08
472363.09, 3866377.25	0.00467	1.703E-05	5.90E-09	1.78E-08	1.41E-08	1.22E-08	5.47E-09	1.97E-10	4.76E-09	3.34E-09	2.89E-09	8.63E-10	1.20E-08
472863.09, 3866377.25	0.00519	1.893E-05	6.55E-09	1.98E-08	1.56E-08	1.35E-08	6.08E-09	2.19E-10	5.28E-09	3.71E-09	3.21E-09	9.59E-10	1.34E-08
473363.09, 3866377.25	0.00535	1.951E-05	6.75E-09	2.04E-08	1.61E-08	1.39E-08	6.27E-09	2.26E-10	5.45E-09	3.83E-09	3.31E-09	9.89E-10	1.38E-08
473863.09, 3866377.25	0.00556	2.028E-05	7.02E-09	2.12E-08	1.67E-08	1.45E-08	6.51E-09	2.34E-10	5.66E-09	3.98E-09	3.44E-09	1.03E-09	1.43E-08
474363.09, 3866377.25	0.00573	2.09E-05	7.23E-09	2.18E-08	1.73E-08	1.49E-08	6.71E-09	2.42E-10	5.83E-09	4.10E-09	3.55E-09	1.06E-09	1.48E-08
474863.09, 3866377.25	0.00579	2.111E-05	7.31E-09	2.21E-08	1.74E-08	1.51E-08	6.78E-09	2.44E-10	5.90E-09	4.14E-09	3.58E-09	1.07E-09	1.49E-08
475363.09, 3866377.25	0.00591	2.155E-05	7.46E-09	2.25E-08	1.78E-08	1.54E-08	6.92E-09	2.49E-10	6.02E-09	4.23E-09	3.66E-09	1.09E-09	1.52E-08
475863.09, 3866377.25	0.00601	2.192E-05	7.59E-09	2.29E-08	1.81E-08	1.57E-08	7.04E-09	2.53E-10	6.12E-09	4.30E-09	3.72E-09	1.11E-09	1.55E-08
476363.09, 3866377.25	0.00459	1.674E-05	5.79E-09	1.75E-08	1.38E-08	1.20E-08	5.38E-09	1.93E-10	4.67E-09	3.28E-09	2.84E-09	8.48E-10	1.18E-08
476863.09, 3866377.25	0.00264	9.627E-06	3.33E-09	1.01E-08	7.95E-09	6.88E-09	3.09E-09	1.11E-10	2.69E-09	1.89E-09	1.63E-09	4.88E-10	6.81E-09
477363.09, 3866377.25	0.0039	1.422E-05	4.92E-09	1.49E-08	1.17E-08	1.02E-08	4.57E-09	1.64E-10	3.97E-09	2.79E-09	2.41E-09	7.21E-10	1.01E-08
477863.09, 3866377.25	0.00607	2.214E-05	7.66E-09	2.31E-08	1.83E-08	1.58E-08	7.11E-09	2.56E-10	6.18E-09	4.34E-09	3.76E-09	1.12E-09	1.57E-08
478363.09, 3866377.25	0.00692	2.523E-05	8.74E-09	2.64E-08	2.08E-08	1.80E-08	8.11E-09	2.92E-10	7.05E-09	4.95E-09	4.28E-09	1.28E-09	1.78E-08
478863.09, 3866377.25	0.0074	2.699E-05	9.34E-09	2.82E-08	2.23E-08	1.93E-08	8.67E-09	3.12E-10	7.53E-09	5.29E-09	4.58E-09	1.37E-09	1.91E-08
479363.09, 3866377.25	0.00784	2.859E-05	9.90E-09	2.99E-08	2.36E-08	2.04E-08	9.18E-09	3.30E-10	7.98E-09	5.61E-09	4.85E-09	1.45E-09	2.02E-08
479863.09, 3866377.25	0.00822	2.998E-05	1.04E-08	3.13E-08	2.47E-08	2.14E-08	9.63E-09	3.47E-10	8.37E-09	5.88E-09	5.09E-09	1.52E-09	2.12E-08
480363.09, 3866377.25	0.00859	3.132E-05	1.08E-08	3.27E-08	2.59E-08	2.24E-08	1.01E-08	3.62E-10	8.75E-09	6.14E-09	5.32E-09	1.59E-09	2.22E-08
480863.09, 3866377.25	0.00894	3.26E-05	1.13E-08	3.41E-08	2.69E-08	2.33E-08	1.05E-08	3.77E-10	9.10E-09	6.40E-09	5.53E-09	1.65E-09	2.31E-08
481363.09, 3866377.25	0.00921	3.359E-05	1.16E-08	3.51E-08	2.77E-08	2.40E-08	1.08E-08	3.88E-10	9.38E-09	6.59E-09	5.70E-09	1.70E-09	2.38E-08
481863.09, 3866377.25	0.00971	3.541E-05	1.23E-08	3.70E-08	2.92E-08	2.53E-08	1.14E-08	4.09E-10	9.89E-09	6.95E-09	6.01E-09	1.79E-09	2.50E-08
482363.09, 3866377.25	0.01007	3.672E-05	1.27E-08	3.84E-08	3.03E-08	2.62E-08	1.18E-08	4.24E-10	1.03E-08	7.20E-09	6.23E-09	1.86E-09	2.60E-08
482863.09, 3866377.25	0.0105	3.829E-05	1.33E-08	4.00E-08	3.16E-08	2.74E-08	1.23E-08	4.43E-10	1.07E-08	7.51E-09	6.50E-09	1.94E-09	2.71E-08
483363.09, 3866377.25	0.011	4.011E-05	1.39E-08	4.19E-08	3.31E-08	2.87E-08	1.29E-08	4.64E-10	1.12E-08	7.87E-09	6.81E-09	2.03E-09	2.84E-08
483863.09, 3866377.25	0.01155	4.212E-05	1.46E-08	4.40E-08	3.48E-08	3.01E-08	1.35E-08	4.87E-10	1.18E-08	8.26E-09	7.15E-09	2.13E-09	2.98E-08
484363.09, 3866377.25	0.01214	4.427E-05	1.53E-08	4.63E-08	3.66E-08	3.16E-08	1.42E-08	5.12E-10	1.24E-08	8.68E-09	7.51E-09	2.24E-09	3.13E-08
484863.09, 3866377.25	0.01251	4.562E-05	1.58E-08	4.77E-08	3.77E-08	3.26E-08	1.47E-08	5.27E-10	1.27E-08	8.95E-09	7.74E-09	2.31E-09	3.23E-08
485363.09, 3866377.25	0.01332	4.857E-05	1.68E-08	5.08E-08	4.01E-08	3.47E-08	1.56E-08	5.61E-10	1.36E-08	9.53E-09	8.24E-09	2.46E-09	3.44E-08
485863.09, 3866377.25	0.0138	5.032E-05	1.74E-08	5.26E-08	4.15E-08	3.60E-08	1.62E-08	5.82E-10	1.41E-08	9.87E-09	8.54E-09	2.55E-09	3.56E-08
486363.09, 3866377.25	0.01374	5.011E-05	1.73E-08	5.24E-08	4.14E-08	3.58E-08	1.61E-08	5.79E-10	1.40E-08	9.83E-09	8.50E-09	2.54E-09	3.54E-08
486863.09, 3866377.25	0.01379	5.029E-05	1.74E-08	5.26E-08	4.15E-08	3.59E-08	1.62E-08	5.81E-10	1.40E-08	9.86E-09	8.54E-09	2.55E-09	3.56E-08
487363.09, 3866377.25	0.01272	4.639E-05	1.61E-08	4.85E-08	3.83E-08	3.31E-08	1.49E-08	5.36E-10	1.30E-08	9.10E-09	7.87E-09	2.35E-09	3.28E-08
487863.09, 3866377.25	0.01125	4.102E-05	1.42E-08	4.29E-08	3.39E-08	2.93E-08	1.32E-08	4.74E-10	1.15E-08	8.05E-09	6.96E-09	2.08E-09	2.90E-08
488363.09, 3866377.25	0.01235	4.504E-05	1.56E-08	4.71E-08	3.72E-08	3.22E-08	1.45E-08	5.21E-10	1.26E-08	8.83E-09	7.64E-09	2.28E-09	3.19E-08
488863.09, 3866377.25	0.01	3.647E-05	1.26E-08	3.81E-08	3.01E-08	2.61E-08	1.17E-08	4.22E-10	1.02E-08	7.15E-09	6.19E-09	1.85E-09	2.58E-08
489363.09, 3866377.25	0.00892	3.253E-05	1.13E-08	3.40E-08	2.69E-08	2.32E-08	1.04E-08	3.76E-10	9.08E-09	6.38E-09	5.52E-09	1.65E-09	2.30E-08
489863.09, 3866377.25	0.00598	2.181E-05	7.55E-09	2.28E-08	1.80E-08	1.56E-08	7.01E-09	2.52E-10	6.09E-09	4.28E-09	3.70E-09	1.10E-09	1.54E-08
490363.09, 3866377.25	0.01475	5.379E-05	1.86E-08	5.62E-08	4.44E-08	3.84E-08	1.73E-08	6.22E-10	1.50E-08	1.06E-08	9.13E-09	2.73E-09	3.80E-08
490863.09, 3866377.25	0.01743	6.356E-05	2.20E-08	6.64E-08	5.25E-08	4.54E-08	2.04E-08	7.35E-10	1.77E-08	1.25E-08	1.08E-08	3.22E-09	4.50E-08
491363.09, 3866377.25	0.01348	4.916E-05	1.70E-08	5.14E-08	4.06E-08	3.51E-08	1.58E-08	5.68E-10	1.37E-08	9.64E-09	8.34E-09	2.49E-09	3.48E-08
491863.09, 3866377.25	0.00491	1.791E-05	6.20E-09	1.87E-08	1.48E-08	1.28E-08	5.75E-09	2.07E-10	5.00E-09	3.51E-09	3.04E-09	9.07E-10	1.27E-08

492363.09, 3866377.25	0.00602	2.195E-05	7.60E-09	2.29E-08	1.81E-08	1.57E-08	7.05E-09	2.54E-10	6.13E-09	4.31E-09	3.73E-09	1.11E-09	1.55E-08
492863.09, 3866377.25	0.00348	1.269E-05	4.39E-09	1.33E-08	1.05E-08	9.07E-09	4.08E-09	1.47E-10	3.54E-09	2.49E-09	2.15E-09	6.43E-10	8.98E-09
493363.09, 3866377.25	0.00427	1.557E-05	5.39E-09	1.63E-08	1.29E-08	1.11E-08	5.00E-09	1.80E-10	4.35E-09	3.05E-09	2.64E-09	7.89E-10	1.10E-08
493863.09, 3866377.25	0.00529	1.929E-05	6.68E-09	2.02E-08	1.59E-08	1.38E-08	6.20E-09	2.23E-10	5.39E-09	3.78E-09	3.27E-09	9.77E-10	1.36E-08
494363.09, 3866377.25	0.00838	3.056E-05	1.06E-08	3.19E-08	2.52E-08	2.18E-08	9.82E-09	3.53E-10	8.53E-09	5.99E-09	5.19E-09	1.55E-09	2.16E-08
494863.09, 3866377.25	0.00766	2.793E-05	9.67E-09	2.92E-08	2.31E-08	2.00E-08	8.97E-09	3.23E-10	7.80E-09	5.48E-09	4.74E-09	1.42E-09	1.98E-08
495363.09, 3866377.25	0.00622	2.268E-05	7.85E-09	2.37E-08	1.87E-08	1.62E-08	7.29E-09	2.62E-10	6.33E-09	4.45E-09	3.85E-09	1.15E-09	1.60E-08
495863.09, 3866377.25	0.00531	1.936E-05	6.70E-09	2.02E-08	1.60E-08	1.38E-08	6.22E-09	2.24E-10	5.41E-09	3.80E-09	3.29E-09	9.81E-10	1.37E-08
496363.09, 3866377.25	0.00517	1.885E-05	6.53E-09	1.97E-08	1.56E-08	1.35E-08	6.06E-09	2.18E-10	5.26E-09	3.70E-09	3.20E-09	9.55E-10	1.33E-08
496863.09, 3866377.25	0.00501	1.827E-05	6.32E-09	1.91E-08	1.51E-08	1.31E-08	5.87E-09	2.11E-10	5.10E-09	3.58E-09	3.10E-09	9.26E-10	1.29E-08
497363.09, 3866377.25	0.0057	2.079E-05	7.20E-09	2.17E-08	1.72E-08	1.48E-08	6.68E-09	2.40E-10	5.80E-09	4.08E-09	3.53E-09	1.05E-09	1.47E-08
497863.09, 3866377.25	0.00782	2.852E-05	9.87E-09	2.98E-08	2.35E-08	2.04E-08	9.16E-09	3.30E-10	7.96E-09	5.59E-09	4.84E-09	1.44E-09	2.02E-08
498363.09, 3866377.25	0.0072	2.626E-05	9.09E-09	2.74E-08	2.17E-08	1.88E-08	8.43E-09	3.04E-10	7.33E-09	5.15E-09	4.46E-09	1.33E-09	1.86E-08
474494.92, 3848334.16	0.00138	5.032E-06	1.74E-09	5.26E-09	4.15E-09	3.60E-09	1.62E-09	5.82E-11	1.41E-09	9.87E-10	8.54E-10	2.55E-10	3.56E-09
475167.27, 3848920.79	0.00144	5.251E-06	1.82E-09	5.49E-09	4.34E-09	3.75E-09	1.69E-09	6.07E-11	1.47E-09	1.03E-09	8.91E-10	2.66E-10	3.71E-09
475297.89, 3848997.96	0.00146	5.324E-06	1.84E-09	5.56E-09	4.40E-09	3.80E-09	1.71E-09	6.15E-11	1.49E-09	1.04E-09	9.04E-10	2.70E-10	3.77E-09
475439.05, 3849062	0.00141	5.142E-06	1.78E-09	5.37E-09	4.25E-09	3.67E-09	1.65E-09	5.94E-11	1.44E-09	1.01E-09	8.73E-10	2.61E-10	3.64E-09
475486.86, 3849061.09	0.0014	5.105E-06	1.77E-09	5.34E-09	4.22E-09	3.65E-09	1.64E-09	5.90E-11	1.43E-09	1.00E-09	8.67E-10	2.59E-10	3.61E-09
475538.46, 3849075.56	0.00142	5.178E-06	1.79E-09	5.41E-09	4.28E-09	3.70E-09	1.66E-09	5.99E-11	1.45E-09	1.02E-09	8.79E-10	2.62E-10	3.66E-09
475751.79, 3849137.15	0.00156	5.689E-06	1.97E-09	5.95E-09	4.70E-09	4.06E-09	1.83E-09	6.58E-11	1.59E-09	1.12E-09	9.66E-10	2.88E-10	4.02E-09
476303.62, 3849223.38	0.00185	6.746E-06	2.34E-09	7.05E-09	5.57E-09	4.82E-09	2.17E-09	7.80E-11	1.88E-09	1.32E-09	1.15E-09	3.42E-10	4.77E-09
476304.51, 3849238.92	0.00185	6.746E-06	2.34E-09	7.05E-09	5.57E-09	4.82E-09	2.17E-09	7.80E-11	1.88E-09	1.32E-09	1.15E-09	3.42E-10	4.77E-09
476365.04, 3849247.98	0.00189	6.892E-06	2.39E-09	7.20E-09	5.69E-09	4.92E-09	2.21E-09	7.97E-11	1.92E-09	1.35E-09	1.17E-09	3.49E-10	4.88E-09
476444.86, 3849267.13	0.00187	6.819E-06	2.36E-09	7.13E-09	5.63E-09	4.87E-09	2.19E-09	7.88E-11	1.90E-09	1.34E-09	1.16E-09	3.46E-10	4.82E-09
476550.75, 3849300.66	0.00198	7.22E-06	2.50E-09	7.55E-09	5.96E-09	5.16E-09	2.32E-09	8.35E-11	2.02E-09	1.42E-09	1.23E-09	3.66E-10	5.11E-09
476656.71, 3849346.88	0.00203	7.403E-06	2.56E-09	7.74E-09	6.11E-09	5.29E-09	2.38E-09	8.56E-11	2.07E-09	1.45E-09	1.26E-09	3.75E-10	5.24E-09
476873.55, 3849454.53	0.00215	7.84E-06	2.71E-09	8.19E-09	6.47E-09	5.60E-09	2.52E-09	9.06E-11	2.19E-09	1.54E-09	1.33E-09	3.97E-10	5.55E-09
477700, 3849859.7	0.00254	9.263E-06	3.21E-09	9.68E-09	7.65E-09	6.62E-09	2.98E-09	1.07E-10	2.59E-09	1.82E-09	1.57E-09	4.69E-10	6.55E-09
477743.16, 3849856.38	0.00254	9.263E-06	3.21E-09	9.68E-09	7.65E-09	6.62E-09	2.98E-09	1.07E-10	2.59E-09	1.82E-09	1.57E-09	4.69E-10	6.55E-09
478477.35, 3850216.33	0.00261	9.518E-06	3.29E-09	9.95E-09	7.86E-09	6.80E-09	3.06E-09	1.10E-10	2.66E-09	1.87E-09	1.62E-09	4.82E-10	6.73E-09
478485.8, 3850201.6	0.00261	9.518E-06	3.29E-09	9.95E-09	7.86E-09	6.80E-09	3.06E-09	1.10E-10	2.66E-09	1.87E-09	1.62E-09	4.82E-10	6.73E-09
479113.21, 3850501.53	0.0031	1.13E-05	3.91E-09	1.18E-08	9.33E-09	8.08E-09	3.63E-09	1.31E-10	3.16E-09	2.22E-09	1.92E-09	5.73E-10	8.00E-09
479108.11, 3850382.28	0.00301	1.098E-05	3.80E-09	1.15E-08	9.06E-09	7.84E-09	3.53E-09	1.27E-10	3.06E-09	2.15E-09	1.86E-09	5.56E-10	7.76E-09
479689.85, 3850674.28	0.00292	1.065E-05	3.69E-09	1.11E-08	8.79E-09	7.61E-09	3.42E-09	1.23E-10	2.97E-09	2.09E-09	1.81E-09	5.40E-10	7.53E-09
479952.42, 3850774.28	0.00296	1.079E-05	3.74E-09	1.13E-08	8.91E-09	7.71E-09	3.47E-09	1.25E-10	3.01E-09	2.12E-09	1.83E-09	5.47E-10	7.64E-09
479911.32, 3850884.85	0.00315	1.149E-05	3.98E-09	1.20E-08	9.48E-09	8.21E-09	3.69E-09	1.33E-10	3.21E-09	2.25E-09	1.95E-09	5.82E-10	8.13E-09
480500.92, 3851178.12	0.00359	1.309E-05	4.53E-09	1.37E-08	1.08E-08	9.35E-09	4.21E-09	1.51E-10	3.66E-09	2.57E-09	2.22E-09	6.63E-10	9.26E-09
480738.01, 3851289.27	0.0037	1.349E-05	4.67E-09	1.41E-08	1.11E-08	9.64E-09	4.33E-09	1.56E-10	3.77E-09	2.65E-09	2.29E-09	6.84E-10	9.54E-09
481055.42, 3851443.58	0.0038	1.386E-05	4.80E-09	1.45E-08	1.14E-08	9.90E-09	4.45E-09	1.60E-10	3.87E-09	2.72E-09	2.35E-09	7.02E-10	9.80E-09
481110.22, 3851443.15	0.00374	1.364E-05	4.72E-09	1.43E-08	1.13E-08	9.74E-09	4.38E-09	1.58E-10	3.81E-09	2.68E-09	2.31E-09	6.91E-10	9.65E-09
481111.1, 3851417.45	0.00367	1.338E-05	4.63E-09	1.40E-08	1.10E-08	9.56E-09	4.30E-09	1.55E-10	3.74E-09	2.63E-09	2.27E-09	6.78E-10	9.47E-09
482248.44, 3852605.09	0.00515	1.878E-05	6.50E-09	1.96E-08	1.55E-08	1.34E-08	6.03E-09	2.17E-10	5.24E-09	3.68E-09	3.19E-09	9.52E-10	1.33E-08
482273.34, 3852632.31	0.00516	1.882E-05	6.51E-09	1.97E-08	1.55E-08	1.34E-08	6.04E-09	2.18E-10	5.25E-09	3.69E-09	3.19E-09	9.53E-10	1.33E-08
482665.46, 3853038.72	0.00536	1.955E-05	6.77E-09	2.04E-08	1.61E-08	1.40E-08	6.28E-09	2.26E-10	5.46E-09	3.83E-09	3.32E-09	9.90E-10	1.38E-08
483077.95, 3853844.31	0.00448	1.634E-05	5.66E-09	1.71E-08	1.35E-08	1.17E-08	5.25E-09	1.89E-10	4.56E-09	3.20E-09	2.77E-09	8.28E-10	1.16E-08
483121.38, 3853909.38	0.00434	1.583E-05	5.48E-09	1.65E-08	1.31E-08	1.13E-08	5.08E-09	1.83E-10	4.42E-09	3.10E-09	2.69E-09	8.02E-10	1.12E-08
483492.64, 3853911.49	0.00424	1.546E-05	5.35E-09	1.62E-08	1.28E-08	1.10E-08	4.97E-09	1.79E-10	4.32E-09	3.03E-09	2.62E-09	7.83E-10	1.09E-08
483498.29, 3854204.73	0.00396	1.444E-05	5.00E-09	1.51E-08	1.19E-08	1.03E-08	4.64E-09	1.67E-10	4.03E-09	2.83E-09	2.45E-09	7.32E-10	1.02E-08
484132.44, 3854662.55	0.00273	9.955E-06	3.45E-09	1.04E-08	8.22E-09	7.11E-09	3.20E-09	1.15E-10	2.78E-09	1.95E-09	1.69E-09	5.04E-10	7.04E-09
484627.62, 3854876.13	0.00312	1.138E-05	3.94E-09	1.19E-08	9.39E-09	8.13E-09	3.65E-09	1.32E-10	3.18E-09	2.23E-09	1.93E-09	5.76E-10	8.05E-09
484756.14, 3854949.04	0.00327	1.192E-05	4.13E-09	1.25E-08	9.85E-09	8.52E-09	3.83E-09	1.38E-10	3.33E-09	2.34E-09	2.02E-09	6.04E-10	8.43E-09
486697.51, 3856599.17	0.00512	1.867E-05	6.46E-09	1.95E-08	1.54E-08	1.33E-08	6.00E-09	2.16E-10	5.21E-09	3.66E-09	3.17E-09	9.46E-10	1.32E-08
487105.31, 3856962.27	0.00647	2.359E-05	8.17E-09	2.47E-08	1.95E-08	1.69E-08	7.58E-09	2.73E-10	6.59E-09	4.63E-09	4.00E-09	1.20E-09	1.67E-08
487157.57, 3856901.7	0.00632	2.305E-05	7.98E-09	2.41E-08	1.90E-08	1.65E-08	7.40E-09	2.66E-10	6.44E-09	4.52E-09	3.91E-09	1.17E-09	1.63E-08
487173.5, 3856853.74	0.00617	2.25E-05	7.79E-09	2.35E-08	1.86E-08	1.61E-08	7.23E-09	2.60E-10	6.28E-09	4.41E-09	3.82E-09	1.14E-09	1.59E-08
487564.41, 3856860.83	0.00649	2.367E-05	8.19E-09	2.47E-08	1.95E-08	1.69E-08	7.60E-09	2.74E-10	6.61E-09	4.64E-09	4.02E-09	1.20E-09	1.67E-08
487563.31, 3856931.58	0.00669	2.44E-05	8.45E-09	2.55E-08	2.01E-08	1.74E-08	7.84E-09	2.82E-10	6.81E-09	4.79E-09	4.14E-09	1.24E-09	1.73E-08
487782.7, 3856926.85	0.007	2.553E-05	8.84E-09	2.67E-08	2.11E-08	1.82E-08	8.20E-09	2.95E-10	7.13E-09	5.01E-09	4.33E-09	1.29E-09	1.81E-08
487782.39, 3856757.07	0.00672	2.451E-05	8.48E-09	2.56E-08	2.02E-08	1.75E-08	7.87E-09	2.83E-10	6.84E-09	4.81E-09	4.16E-09	1.24E-09	1.73E-08
487917.26, 3856752.41	0.00713	2.6E-05	9.00E-09	2.72E-08	2.15E-08	1.86E-08	8.35E-09	3.01E-10	7.26E-09	5.10E-09	4.41E-09	1.32E-09	1.84E-08
487919.57, 3856953.35	0.00737	2.688E-05	9.30E-09	2.81E-08	2.22E-08	1.92E-08	8.63E-09	3.11E-10	7.50E-09	5.27E-09	4.56E-09	1.36E-09	1.90E-08
487932.76, 3857000.32	0.00742	2.706E-05	9.37E-09	2.83E-08	2.23E-08	1.93E-08	8.69E-09	3.13E-10	7.56E-09	5.31E-09	4.59E-09	1.37E-09	1.91E-08
487960.5, 3857044.75	0.00752	2.742E-05	9.49E-09	2.87E-08	2.26E-08	1.96E-08	8.81E-09	3.17E-10	7.66E-09	5.38E-09	4.65E-09	1.39E-09	1.94E-08
488016.54, 3857089.54	0.0077	2.808E-05	9.72E-09	2.93E-08	2.32E-08	2.01E-08	9.02E-09	3.25E-10	7.84E-09	5.51E-09	4.77E-09	1.42E-09	1.99E-08
488114.39, 3857165.47	0.0081	2.954E-05	1.02E-08	3.09E-08	2.44E-08	2.11E-08	9.49E-09	3.41E-10	8.25E-09	5.79E-09	5.01E-09	1.50E-09	2.09E-08
488171.49, 3857234.24	0.00849	3.096E-05	1.07E-08	3.24E-08	2.56E-08	2.21E-08	9.95E-09	3.58E-10	8.64E-09	6.07E-09	5.26E-09	1.57E-09	2.19E-08
488193.16, 3857297.8	0.00889	3.242E-05	1.12E-08	3.39E-08	2.68E-08	2.32E-08	1.04E-08	3.75E-10	9.05E-09	6.36E-09	5.50E-09	1.64E-09	2.29E-08
488189.27, 3857649.94	0.01069	3.898E-05	1.35E-08	4.07E-08	3.22E-08	2.78E-08	1.25E-08	4.51E-10	1.09E-08	7.65E-09	6.62E-09	1.98E-09	2.76E-08
488127.43, 3857732.32	0.01066	3.887E-05	1.35E-08	4.06E-08	3.21E-08	2.78E-08	1.25E-08	4.49E-10	1.09E-08	7.63E-09	6.60E-09	1.97E-09	2.75E-08
488149.93, 3857752.94	0.01071	3.906E-05	1.35E-08	4.08E-08	3.22E-08	2.79E-08	1.25E-08	4.51E-10	1.09E-08	7.66E-09	6.63E-09	1.98E-09	2.76E-08
488144.76, 3857758.71	0.01069	3.898E-05	1.35E-08	4.07E-08	3.22E-08	2.78E-08	1.25E-08	4.51E-10	1.09E-08	7.65E-09	6.62E-09	1.98E-09	2.76E-08
488335.58, 3857932.55	0.01223	4.46E-05	1.54E-08	4.66E-08	3.68E-08	3.19E-08	1.43E-08	5.16E-10	1.25E-08	8.75E-09	7.57E-09	2.26E-09	3.15E-08
488372.29, 3857943.79	0.01245	4.54E-05	1.57E-08	4.75E-08	3.75E-08	3.24E-08	1.46E-08	5.25E-10	1.27E-08	8.91E-09	7.71E-09	2.30E-09	3.21E-08
488828.64, 3857936.4	0.01355	4.941E-05	1.71E-08	5.16E-08	4.08E-08	3.53E-08	1.59E-08	5.71E-10	1.38E-08	9.69E-09	8.39E-09	2.50E-09	3.50E-08
488829.08, 3857959.58	0.01357	4.949E-05	1.71E-08	5.17E-08	4.09E-08	3.54E-08	1.59E-08	5.72E-10	1.38E-08	9.71E-09	8.40E-09	2.51E-09	3.50E-08
488351.61, 3857964.55	0.01244	4.536E-05	1.57E-08	4.74E-08	3.75E-08	3.24E-08	1.46E-08	5.24E-10	1.27E-08	8.90E-09	7.70E-09	2.30E-09	3.21E-08
488316.87, 3857947.65	0.01221	4.453E-05	1.54E-08	4.65E-08	3.68E-08	3.18E-08	1.43E-08	5.15E-10	1.24E-08	8.73E-09	7.56E-09	2.26E-09	3.15E-08
488129.1, 3857775.77	0.01065	3.884E-05	1.34E-08	4.06E-08	3.21E-08	2.77E-08	1.25E-08	4.49E-10	1.08E-08	7.62E-09	6.59E-09	1.97E-09	2.75E-08
488062.53, 3857846.13	0.01067	3.891E-05	1.35E-08	4.07E-08	3.21E-08	2.78E-08	1.25E-08	4.50E-10	1.09E-08	7.63E-09	6.60E-09	1.97E-09	2.75E-08
488330.41, 3858091.34	0.01234	4.5E-05	1.56E-08	4.70E-08	3.72E-08	3.21E-08	1.45E-08	5.20E-10	1.26E-08	8.83E-09	7.64E-09	2.28E-09	3.18E-08

488470.87, 3858174.45	0.01332	4.857E-05	1.68E-08	5.08E-08	4.01E-08	3.47E-08	1.56E-08	5.61E-10	1.36E-08	9.53E-09	8.24E-09	2.46E-09	3.44E-08
488568.9, 3858262.31	0.01487	5.423E-05	1.88E-08	5.67E-08	4.48E-08	3.87E-08	1.74E-08	6.27E-10	1.51E-08	1.06E-08	9.20E-09	2.75E-09	3.84E-08
488964.27, 3858025.71	0.0139	5.069E-05	1.75E-08	5.30E-08	4.18E-08	3.62E-08	1.63E-08	5.86E-10	1.42E-08	9.94E-09	8.60E-09	2.57E-09	3.59E-08
489147.25, 3857956.64	0.01341	4.89E-05	1.69E-08	5.11E-08	4.04E-08	3.49E-08	1.57E-08	5.65E-10	1.37E-08	9.59E-09	8.30E-09	2.48E-09	3.46E-08
489343.52, 3857932.45	0.0129	4.704E-05	1.63E-08	4.92E-08	3.88E-08	3.36E-08	1.51E-08	5.44E-10	1.31E-08	9.23E-09	7.98E-09	2.38E-09	3.33E-08
489866.19, 3857923.19	0.01262	4.602E-05	1.59E-08	4.81E-08	3.80E-08	3.29E-08	1.48E-08	5.32E-10	1.28E-08	9.03E-09	7.81E-09	2.33E-09	3.26E-08
489955.65, 3857902.27	0.01241	4.526E-05	1.57E-08	4.73E-08	3.74E-08	3.23E-08	1.45E-08	5.23E-10	1.26E-08	8.88E-09	7.68E-09	2.29E-09	3.20E-08
490079.44, 3857847.9	0.01273	4.642E-05	1.61E-08	4.85E-08	3.83E-08	3.32E-08	1.49E-08	5.37E-10	1.30E-08	9.11E-09	7.88E-09	2.35E-09	3.28E-08
490108.49, 3857934.13	0.01281	4.671E-05	1.62E-08	4.88E-08	3.86E-08	3.34E-08	1.50E-08	5.40E-10	1.30E-08	9.16E-09	7.93E-09	2.37E-09	3.30E-08
489884.48, 3858014.17	0.01277	4.657E-05	1.61E-08	4.87E-08	3.84E-08	3.33E-08	1.50E-08	5.38E-10	1.30E-08	9.14E-09	7.90E-09	2.36E-09	3.29E-08
489326.56, 3858025.86	0.01339	4.883E-05	1.69E-08	5.10E-08	4.03E-08	3.49E-08	1.57E-08	5.64E-10	1.36E-08	9.58E-09	8.29E-09	2.47E-09	3.45E-08
489130.38, 3858056.71	0.01346	4.908E-05	1.70E-08	5.13E-08	4.05E-08	3.51E-08	1.58E-08	5.67E-10	1.37E-08	9.63E-09	8.33E-09	2.49E-09	3.47E-08
488936.49, 3858143.93	0.01431	5.218E-05	1.81E-08	5.45E-08	4.31E-08	3.73E-08	1.68E-08	6.03E-10	1.46E-08	1.02E-08	8.86E-09	2.64E-09	3.69E-08
488638.08, 3858327.45	0.0151	5.506E-05	1.91E-08	5.76E-08	4.55E-08	3.93E-08	1.77E-08	6.37E-10	1.54E-08	1.08E-08	9.35E-09	2.79E-09	3.90E-08
488663.79, 3858349.57	0.01509	5.503E-05	1.90E-08	5.75E-08	4.54E-08	3.93E-08	1.77E-08	6.36E-10	1.54E-08	1.08E-08	9.34E-09	2.79E-09	3.89E-08
488694.56, 3858349.5	0.01509	5.503E-05	1.90E-08	5.75E-08	4.54E-08	3.93E-08	1.77E-08	6.36E-10	1.54E-08	1.08E-08	9.34E-09	2.79E-09	3.89E-08
488694.35, 3858336.75	0.01508	5.499E-05	1.90E-08	5.75E-08	4.54E-08	3.93E-08	1.77E-08	6.36E-10	1.54E-08	1.08E-08	9.33E-09	2.79E-09	3.89E-08
488712.81, 3858336.38	0.01507	5.496E-05	1.90E-08	5.74E-08	4.54E-08	3.93E-08	1.77E-08	6.35E-10	1.53E-08	1.08E-08	9.33E-09	2.78E-09	3.89E-08
488713.23, 3858367.46	0.01513	5.517E-05	1.91E-08	5.77E-08	4.56E-08	3.94E-08	1.77E-08	6.38E-10	1.54E-08	1.08E-08	9.37E-09	2.80E-09	3.90E-08
488704.63, 3858384.05	0.0152	5.543E-05	1.92E-08	5.79E-08	4.58E-08	3.96E-08	1.78E-08	6.41E-10	1.55E-08	1.09E-08	9.41E-09	2.81E-09	3.92E-08
488604.15, 3858488.29	0.01554	5.667E-05	1.96E-08	5.92E-08	4.68E-08	4.05E-08	1.82E-08	6.55E-10	1.58E-08	1.11E-08	9.62E-09	2.87E-09	4.01E-08
488605.66, 3858550.47	0.01594	5.813E-05	2.01E-08	6.08E-08	4.80E-08	4.15E-08	1.87E-08	6.72E-10	1.62E-08	1.14E-08	9.87E-09	2.95E-09	4.11E-08
488692.68, 3858548.71	0.01594	5.813E-05	2.01E-08	6.08E-08	4.80E-08	4.15E-08	1.87E-08	6.72E-10	1.62E-08	1.14E-08	9.87E-09	2.95E-09	4.11E-08
488759.93, 3858461.81	0.01535	5.598E-05	1.94E-08	5.85E-08	4.62E-08	4.00E-08	1.80E-08	6.47E-10	1.56E-08	1.10E-08	9.50E-09	2.84E-09	3.96E-08
488816.57, 3858541.79	0.01567	5.714E-05	1.98E-08	5.97E-08	4.72E-08	4.08E-08	1.84E-08	6.61E-10	1.60E-08	1.12E-08	9.70E-09	2.90E-09	4.04E-08
488944.63, 3858656.77	0.01602	5.842E-05	2.02E-08	6.11E-08	4.82E-08	4.17E-08	1.88E-08	6.75E-10	1.63E-08	1.15E-08	9.92E-09	2.96E-09	4.13E-08
489134.91, 3858830.7	0.01671	6.094E-05	2.11E-08	6.37E-08	5.03E-08	4.35E-08	1.96E-08	7.04E-10	1.70E-08	1.20E-08	1.03E-08	3.09E-09	4.31E-08
489193.99, 3858886.05	0.01702	6.207E-05	2.15E-08	6.49E-08	5.12E-08	4.43E-08	1.99E-08	7.17E-10	1.73E-08	1.22E-08	1.05E-08	3.14E-09	4.39E-08
489295.2, 3858954.34	0.01749	6.378E-05	2.21E-08	6.67E-08	5.27E-08	4.56E-08	2.05E-08	7.37E-10	1.78E-08	1.25E-08	1.08E-08	3.23E-09	4.51E-08
489295.64, 3858992.74	0.01792	6.535E-05	2.26E-08	6.83E-08	5.40E-08	4.67E-08	2.10E-08	7.55E-10	1.82E-08	1.28E-08	1.11E-08	3.31E-09	4.62E-08
489183.74, 3858911.72	0.01723	6.283E-05	2.18E-08	6.57E-08	5.19E-08	4.49E-08	2.02E-08	7.26E-10	1.75E-08	1.23E-08	1.07E-08	3.18E-09	4.44E-08
488873.37, 3858625.59	0.01595	5.816E-05	2.01E-08	6.08E-08	4.80E-08	4.16E-08	1.87E-08	6.72E-10	1.62E-08	1.14E-08	9.87E-09	2.95E-09	4.11E-08
488842.84, 3858658.69	0.01632	5.951E-05	2.06E-08	6.22E-08	4.91E-08	4.25E-08	1.91E-08	6.88E-10	1.66E-08	1.17E-08	1.01E-08	3.02E-09	4.21E-08
488856.39, 3858670.93	0.01627	5.933E-05	2.05E-08	6.20E-08	4.90E-08	4.24E-08	1.91E-08	6.86E-10	1.66E-08	1.16E-08	1.01E-08	3.01E-09	4.20E-08
488805.7, 3858724.5	0.01676	6.112E-05	2.12E-08	6.39E-08	5.05E-08	4.37E-08	1.96E-08	7.06E-10	1.71E-08	1.20E-08	1.04E-08	3.10E-09	4.32E-08
488805.87, 3858804.16	0.01747	6.371E-05	2.21E-08	6.66E-08	5.26E-08	4.55E-08	2.05E-08	7.36E-10	1.78E-08	1.25E-08	1.08E-08	3.23E-09	4.51E-08
488995.78, 3858936.96	0.01821	6.641E-05	2.30E-08	6.94E-08	5.48E-08	4.74E-08	2.13E-08	7.68E-10	1.85E-08	1.30E-08	1.13E-08	3.36E-09	4.70E-08
489130.76, 3859017.38	0.01847	6.735E-05	2.33E-08	7.04E-08	5.56E-08	4.81E-08	2.16E-08	7.79E-10	1.88E-08	1.32E-08	1.14E-08	3.41E-09	4.76E-08
489130.92, 3859052.24	0.01881	6.859E-05	2.37E-08	7.17E-08	5.66E-08	4.90E-08	2.20E-08	7.93E-10	1.92E-08	1.35E-08	1.16E-08	3.48E-09	4.85E-08
489200.33, 3859090.6	0.01919	6.998E-05	2.42E-08	7.31E-08	5.78E-08	5.00E-08	2.25E-08	8.09E-10	1.95E-08	1.37E-08	1.19E-08	3.55E-09	4.95E-08
489296.07, 3859143.7	0.01979	7.217E-05	2.50E-08	7.54E-08	5.96E-08	5.16E-08	2.32E-08	8.34E-10	2.02E-08	1.42E-08	1.22E-08	3.66E-09	5.10E-08
489296.43, 3858954.74	0.01749	6.378E-05	2.21E-08	6.67E-08	5.27E-08	4.56E-08	2.05E-08	7.37E-10	1.78E-08	1.25E-08	1.08E-08	3.23E-09	4.51E-08
489410.33, 3859033.19	0.01802	6.571E-05	2.27E-08	6.87E-08	5.43E-08	4.69E-08	2.11E-08	7.60E-10	1.83E-08	1.29E-08	1.12E-08	3.33E-09	4.65E-08
489371.37, 3859089.8	0.01886	6.878E-05	2.38E-08	7.19E-08	5.68E-08	4.91E-08	2.21E-08	7.95E-10	1.92E-08	1.35E-08	1.17E-08	3.48E-09	4.86E-08
489390.52, 3859102.82	0.01899	6.925E-05	2.40E-08	7.24E-08	5.72E-08	4.95E-08	2.22E-08	8.00E-10	1.93E-08	1.36E-08	1.18E-08	3.51E-09	4.90E-08
489382.3, 3859114.53	0.01911	6.969E-05	2.41E-08	7.28E-08	5.75E-08	4.98E-08	2.24E-08	8.06E-10	1.95E-08	1.37E-08	1.18E-08	3.53E-09	4.93E-08
489363.04, 3859102.45	0.01899	6.925E-05	2.40E-08	7.24E-08	5.72E-08	4.95E-08	2.22E-08	8.00E-10	1.93E-08	1.36E-08	1.18E-08	3.51E-09	4.90E-08
489337.52, 3859140.71	0.01966	7.169E-05	2.48E-08	7.49E-08	5.92E-08	5.12E-08	2.30E-08	8.29E-10	2.00E-08	1.41E-08	1.22E-08	3.63E-09	5.07E-08
489375.14, 3859164.55	0.01987	7.246E-05	2.51E-08	7.57E-08	5.98E-08	5.18E-08	2.33E-08	8.38E-10	2.02E-08	1.42E-08	1.23E-08	3.67E-09	5.13E-08
489409.3, 3859114.5	0.0191	6.965E-05	2.41E-08	7.28E-08	5.75E-08	4.98E-08	2.24E-08	8.05E-10	1.94E-08	1.37E-08	1.18E-08	3.53E-09	4.93E-08
489434.87, 3859131.81	0.01919	6.998E-05	2.42E-08	7.31E-08	5.78E-08	5.00E-08	2.25E-08	8.09E-10	1.95E-08	1.37E-08	1.19E-08	3.55E-09	4.95E-08
489471.87, 3859075.75	0.0183	6.673E-05	2.31E-08	6.98E-08	5.51E-08	4.77E-08	2.14E-08	7.71E-10	1.86E-08	1.31E-08	1.13E-08	3.38E-09	4.72E-08
489602.62, 3859164.69	0.01911	6.969E-05	2.41E-08	7.28E-08	5.75E-08	4.98E-08	2.24E-08	8.06E-10	1.95E-08	1.37E-08	1.18E-08	3.53E-09	4.93E-08
489558.29, 3859232.45	0.02018	7.359E-05	2.55E-08	7.69E-08	6.08E-08	5.26E-08	2.36E-08	8.51E-10	2.05E-08	1.44E-08	1.25E-08	3.73E-09	5.21E-08
489620.11, 3859273.56	0.02082	7.592E-05	2.63E-08	7.94E-08	6.27E-08	5.42E-08	2.44E-08	8.78E-10	2.12E-08	1.49E-08	1.29E-08	3.85E-09	5.37E-08
489666.06, 3859206.42	0.01966	7.169E-05	2.48E-08	7.49E-08	5.92E-08	5.12E-08	2.30E-08	8.29E-10	2.00E-08	1.41E-08	1.22E-08	3.63E-09	5.07E-08
489787.9, 3859285.65	0.02061	7.516E-05	2.60E-08	7.86E-08	6.21E-08	5.37E-08	2.41E-08	8.69E-10	2.10E-08	1.47E-08	1.28E-08	3.81E-09	5.32E-08
489752.17, 3859343.13	0.02166	7.899E-05	2.73E-08	8.26E-08	6.52E-08	5.64E-08	2.54E-08	9.13E-10	2.21E-08	1.55E-08	1.34E-08	4.00E-09	5.59E-08
489814.94, 3859385.33	0.02224	8.11E-05	2.81E-08	8.48E-08	6.70E-08	5.79E-08	2.61E-08	9.37E-10	2.26E-08	1.59E-08	1.38E-08	4.11E-09	5.74E-08
489853.42, 3859330.74	0.02124	7.746E-05	2.68E-08	8.10E-08	6.39E-08	5.53E-08	2.49E-08	8.95E-10	2.16E-08	1.52E-08	1.31E-08	3.92E-09	5.48E-08
489969.5, 3859401.91	0.02229	8.128E-05	2.81E-08	8.50E-08	6.71E-08	5.81E-08	2.61E-08	9.40E-10	2.27E-08	1.59E-08	1.38E-08	4.12E-09	5.75E-08
490166.91, 3859486.96	0.02434	8.876E-05	3.07E-08	9.28E-08	7.33E-08	6.34E-08	2.85E-08	1.03E-09	2.48E-08	1.74E-08	1.51E-08	4.50E-09	6.28E-08
490128.86, 3859571.46	0.02664	9.715E-05	3.36E-08	1.02E-07	8.02E-08	6.94E-08	3.12E-08	1.12E-09	2.71E-08	1.91E-08	1.65E-08	4.92E-09	6.87E-08
490186.65, 3859593.65	0.02708	9.875E-05	3.42E-08	1.03E-07	8.15E-08	7.05E-08	3.17E-08	1.14E-09	2.76E-08	1.94E-08	1.68E-08	5.00E-09	6.99E-08
490223.74, 3859517.48	0.02489	9.077E-05	3.14E-08	9.49E-08	7.49E-08	6.48E-08	2.92E-08	1.05E-09	2.53E-08	1.78E-08	1.54E-08	4.60E-09	6.42E-08
490846.34, 3859817.22	0.02732	9.963E-05	3.45E-08	1.04E-07	8.23E-08	7.12E-08	3.20E-08	1.15E-09	2.78E-08	1.95E-08	1.69E-08	5.05E-09	7.05E-08
490925.65, 3859844.59	0.0272	9.919E-05	3.43E-08	1.04E-07	8.19E-08	7.09E-08	3.19E-08	1.15E-09	2.77E-08	1.95E-08	1.68E-08	5.03E-09	7.02E-08
491159.29, 3859896.28	0.02927	0.0001067	3.69E-08	1.12E-07	8.81E-08	7.63E-08	3.43E-08	1.23E-09	2.98E-08	2.09E-08	1.81E-08	5.41E-09	7.55E-08
491370.69, 3859960.89	0.03653	0.0001332	4.61E-08	1.39E-07	1.10E-07	9.52E-08	4.28E-08	1.54E-09	3.72E-08	2.61E-08	2.26E-08	6.75E-09	9.42E-08
491330.28, 3860063.17	0.04565	0.0001665	5.76E-08	1.74E-07	1.37E-07	1.19E-07	5.35E-08	1.92E-09	4.65E-08	3.27E-08	2.83E-08	8.43E-09	1.18E-07
491636.45, 3860180.75	0.05188	0.0001892	6.55E-08	1.98E-07	1.56E-07	1.35E-07	6.08E-08	2.19E-09	5.28E-08	3.71E-08	3.21E-08	9.59E-09	1.34E-07
491617.94, 3860203.93	0.05394	0.0001967	6.81E-08	2.06E-07	1.62E-07	1.41E-07	6.32E-08	2.27E-09	5.49E-08	3.86E-08	3.34E-08	9.97E-09	1.39E-07
491805.68, 3860271.59	0.06074	0.0002215	7.67E-08	2.32E-07	1.83E-07	1.58E-07	7.12E-08	2.56E-09	6.18E-08	4.35E-08	3.76E-08	1.12E-08	1.57E-07
491654.23, 3860414.02	0.06425	0.0002343	8.11E-08	2.45E-07	1.93E-07	1.67E-07	7.53E-08	2.71E-09	6.54E-08	4.60E-08	3.98E-08	1.19E-08	1.66E-07
491592.62, 3860510.76	0.07174	0.0002616	9.06E-08	2.73E-07	2.16E-07	1.87E-07	8.40E-08	3.02E-09	7.30E-08	5.13E-08	4.44E-08	1.33E-08	1.85E-07
491475.41, 3860368.93	0.06654	0.0002426	8.40E-08	2.54E-07	2.00E-07	1.73E-07	7.79E-08	2.80E-09	6.78E-08	4.76E-08	4.12E-08	1.23E-08	1.72E-07
491445.61, 3860337.28	0.06505	0.0002372	8.21E-08	2.48E-07	1.96E-07	1.69E-07	7.62E-08	2.74E-09	6.62E-08	4.65E-08	4.03E-08	1.20E-08	1.68E-07
491399.05, 3860300.37	0.06179	0.0002253	7.80E-08	2.36E-07	1.86E-07	1.61E-07	7.24E-08	2.60E-09	6.29E-08	4.42E-08	3.82E-08	1.14E-08	1.59E-07
491228.84, 3860235.98	0.05684	0.0002073	7.18E-08	2.17E-07	1.71E-07	1.48E-07	6.66E-08	2.40E-09	5.79E-08	4.07E-08	3.52E-08	1.05E-08	1.47E-07
491228.47, 3860174.57	0.05335	0.0001945	6.73E-08	2.03E-07	1.61E-07	1.39E-07	6.25E-08	2.25E-09	5.43E-08	3.82E-08	3.30E-08	9.86E-09	1.38E-07

491145.77, 3860112.55	0.04764	0.0001737	6.01E-08	1.82E-07	1.43E-07	1.24E-07	5.58E-08	2.01E-09	4.85E-08	3.41E-08	2.95E-08	8.80E-09	1.23E-07
490844.41, 3859966.22	0.03527	0.0001286	4.45E-08	1.34E-07	1.06E-07	9.19E-08	4.13E-08	1.49E-09	3.59E-08	2.52E-08	2.18E-08	6.52E-09	9.10E-08
490845.55, 3859928.15	0.03368	0.0001228	4.25E-08	1.28E-07	1.01E-07	8.77E-08	3.95E-08	1.42E-09	3.43E-08	2.41E-08	2.08E-08	6.22E-09	8.69E-08
490046.91, 3859625.6	0.02745	0.0001001	3.47E-08	1.05E-07	8.26E-08	7.15E-08	3.22E-08	1.16E-09	2.80E-08	1.96E-08	1.70E-08	5.07E-09	7.08E-08
489970.48, 3859589.4	0.02634	9.605E-05	3.33E-08	1.00E-07	7.93E-08	6.86E-08	3.09E-08	1.11E-09	2.68E-08	1.88E-08	1.63E-08	4.87E-09	6.79E-08
489865.89, 3859529.06	0.02476	9.029E-05	3.13E-08	9.44E-08	7.45E-08	6.45E-08	2.90E-08	1.04E-09	2.52E-08	1.77E-08	1.53E-08	4.57E-09	6.39E-08
489826.89, 3859531.74	0.02468	9E-05	3.12E-08	9.41E-08	7.43E-08	6.43E-08	2.89E-08	1.04E-09	2.51E-08	1.77E-08	1.53E-08	4.56E-09	6.37E-08
489410.47, 3859303.06	0.02185	7.968E-05	2.76E-08	8.33E-08	6.58E-08	5.69E-08	2.56E-08	9.21E-10	2.22E-08	1.56E-08	1.35E-08	4.04E-09	5.64E-08
489407.15, 3859286.09	0.02162	7.884E-05	2.73E-08	8.24E-08	6.51E-08	5.63E-08	2.53E-08	9.11E-10	2.20E-08	1.55E-08	1.34E-08	3.99E-09	5.58E-08
488806.07, 3858963.62	0.01937	7.064E-05	2.45E-08	7.38E-08	5.83E-08	5.05E-08	2.27E-08	8.17E-10	1.97E-08	1.39E-08	1.20E-08	3.58E-09	5.00E-08
488817.64, 3859546.3	0.01881	6.859E-05	2.37E-08	7.17E-08	5.66E-08	4.90E-08	2.20E-08	7.93E-10	1.92E-08	1.35E-08	1.16E-08	3.48E-09	4.85E-08
489187.25, 3859549.52	0.02163	7.888E-05	2.73E-08	8.24E-08	6.51E-08	5.63E-08	2.53E-08	9.12E-10	2.20E-08	1.55E-08	1.34E-08	4.00E-09	5.58E-08
489187.66, 3859523.74	0.02193	7.997E-05	2.77E-08	8.36E-08	6.60E-08	5.71E-08	2.57E-08	9.24E-10	2.23E-08	1.57E-08	1.36E-08	4.05E-09	5.66E-08
489232.59, 3859522.85	0.02213	8.07E-05	2.79E-08	8.43E-08	6.66E-08	5.77E-08	2.59E-08	9.33E-10	2.25E-08	1.58E-08	1.37E-08	4.09E-09	5.71E-08
489224.98, 3859759.91	0.0208	7.585E-05	2.63E-08	7.93E-08	6.26E-08	5.42E-08	2.44E-08	8.77E-10	2.12E-08	1.49E-08	1.29E-08	3.84E-09	5.37E-08
488401.39, 3859763.34	0.02067	7.538E-05	2.61E-08	7.88E-08	6.22E-08	5.38E-08	2.42E-08	8.71E-10	2.10E-08	1.48E-08	1.28E-08	3.82E-09	5.33E-08
488405.51, 3859966.16	0.02227	8.121E-05	2.81E-08	8.49E-08	6.70E-08	5.80E-08	2.61E-08	9.39E-10	2.27E-08	1.59E-08	1.38E-08	4.11E-09	5.74E-08
489202.85, 3859956.57	0.02292	8.358E-05	2.89E-08	8.74E-08	6.90E-08	5.97E-08	2.68E-08	9.66E-10	2.33E-08	1.64E-08	1.42E-08	4.23E-09	5.91E-08
489191.9, 3860676.74	0.02667	9.726E-05	3.37E-08	1.02E-07	8.03E-08	6.95E-08	3.12E-08	1.12E-09	2.72E-08	1.91E-08	1.65E-08	4.93E-09	6.88E-08
488392.82, 3860687.88	0.02082	7.592E-05	2.63E-08	7.94E-08	6.27E-08	5.42E-08	2.44E-08	8.78E-10	2.12E-08	1.49E-08	1.29E-08	3.85E-09	5.37E-08
488392.82, 3860760.27	0.02031	7.406E-05	2.56E-08	7.74E-08	6.11E-08	5.29E-08	2.38E-08	8.56E-10	2.07E-08	1.45E-08	1.26E-08	3.75E-09	5.24E-08
487549.05, 3860777.45	0.01913	6.976E-05	2.41E-08	7.29E-08	5.76E-08	4.98E-08	2.24E-08	8.06E-10	1.95E-08	1.37E-08	1.18E-08	3.53E-09	4.93E-08
487554.62, 3859571.83	0.01805	6.582E-05	2.28E-08	6.88E-08	5.43E-08	4.70E-08	2.11E-08	7.61E-10	1.84E-08	1.29E-08	1.12E-08	3.34E-09	4.66E-08
485949.46, 3859558.54	0.01522	5.55E-05	1.92E-08	5.80E-08	4.58E-08	3.96E-08	1.78E-08	6.42E-10	1.55E-08	1.09E-08	9.42E-09	2.81E-09	3.93E-08
485947.55, 3857943.61	0.01401	5.109E-05	1.77E-08	5.34E-08	4.22E-08	3.65E-08	1.64E-08	5.91E-10	1.43E-08	1.00E-08	8.67E-09	2.59E-09	3.61E-08
484738.38, 3857940.21	0.0103	3.756E-05	1.30E-08	3.93E-08	3.10E-08	2.68E-08	1.21E-08	4.34E-10	1.05E-08	7.37E-09	6.38E-09	1.90E-09	2.66E-08
484737.06, 3857535.68	0.01229	4.482E-05	1.55E-08	4.68E-08	3.70E-08	3.20E-08	1.44E-08	5.18E-10	1.25E-08	8.79E-09	7.61E-09	2.27E-09	3.17E-08
483730.2, 3857530.13	0.00901	3.286E-05	1.14E-08	3.43E-08	2.71E-08	2.35E-08	1.06E-08	3.80E-10	9.17E-09	6.45E-09	5.58E-09	1.66E-09	2.32E-08
483727.27, 3857130.01	0.0106	3.865E-05	1.34E-08	4.04E-08	3.19E-08	2.76E-08	1.24E-08	4.47E-10	1.08E-08	7.58E-09	6.56E-09	1.96E-09	2.73E-08
483124.42, 3857123.45	0.00928	3.384E-05	1.17E-08	3.54E-08	2.79E-08	2.42E-08	1.09E-08	3.91E-10	9.45E-09	6.64E-09	5.74E-09	1.71E-09	2.39E-08
483111.13, 3855921.03	0.00681	2.483E-05	8.60E-09	2.60E-08	2.05E-08	1.77E-08	7.98E-09	2.87E-10	6.93E-09	4.87E-09	4.22E-09	1.26E-09	1.76E-08
482701.73, 3855918.24	0.00647	2.359E-05	8.17E-09	2.47E-08	1.95E-08	1.69E-08	7.58E-09	2.73E-10	6.59E-09	4.63E-09	4.00E-09	1.20E-09	1.67E-08
482668.02, 3853521.78	0.0051	1.86E-05	6.44E-09	1.94E-08	1.54E-08	1.33E-08	5.97E-09	2.15E-10	5.19E-09	3.65E-09	3.16E-09	9.42E-10	1.32E-08
482579.91, 3853219.19	0.00531	1.936E-05	6.70E-09	2.02E-08	1.60E-08	1.38E-08	6.22E-09	2.24E-10	5.41E-09	3.80E-09	3.29E-09	9.81E-10	1.37E-08
482434.06, 3852961.94	0.00526	1.918E-05	6.64E-09	2.00E-08	1.58E-08	1.37E-08	6.16E-09	2.22E-10	5.36E-09	3.76E-09	3.26E-09	9.72E-10	1.36E-08
482332.11, 3852832.85	0.00526	1.918E-05	6.64E-09	2.00E-08	1.58E-08	1.37E-08	6.16E-09	2.22E-10	5.36E-09	3.76E-09	3.26E-09	9.72E-10	1.36E-08
481334.99, 3851818.96	0.00438	1.597E-05	5.53E-09	1.67E-08	1.32E-08	1.14E-08	5.13E-09	1.85E-10	4.46E-09	3.13E-09	2.71E-09	8.09E-10	1.13E-08
481127.62, 3851646.36	0.00424	1.546E-05	5.35E-09	1.62E-08	1.28E-08	1.10E-08	4.97E-09	1.79E-10	4.32E-09	3.03E-09	2.62E-09	7.83E-10	1.09E-08
481025.04, 3851591.73	0.00419	1.528E-05	5.29E-09	1.60E-08	1.26E-08	1.09E-08	4.91E-09	1.77E-10	4.27E-09	3.00E-09	2.59E-09	7.74E-10	1.08E-08
480513.6, 3851335.76	0.00392	1.429E-05	4.95E-09	1.49E-08	1.18E-08	1.02E-08	4.59E-09	1.65E-10	3.99E-09	2.80E-09	2.43E-09	7.24E-10	1.01E-08
480523.56, 3851317.66	0.0039	1.422E-05	4.92E-09	1.49E-08	1.17E-08	1.02E-08	4.57E-09	1.64E-10	3.97E-09	2.79E-09	2.41E-09	7.21E-10	1.01E-08
476921.56, 3849569.11	0.00226	8.241E-06	2.85E-09	8.61E-09	6.80E-09	5.89E-09	2.65E-09	9.53E-11	2.30E-09	1.62E-09	1.40E-09	4.18E-10	5.83E-09
476521.19, 3849373.96	0.00202	7.366E-06	2.55E-09	7.70E-09	6.08E-09	5.26E-09	2.37E-09	8.51E-11	2.06E-09	1.45E-09	1.25E-09	3.73E-10	5.21E-09
476391.45, 3849333.38	0.00198	7.22E-06	2.50E-09	7.55E-09	5.96E-09	5.16E-09	2.32E-09	8.35E-11	2.02E-09	1.42E-09	1.23E-09	3.66E-10	5.11E-09
476219.41, 3849304.29	0.00191	6.965E-06	2.41E-09	7.28E-09	5.75E-09	4.98E-09	2.24E-09	8.05E-11	1.94E-09	1.37E-09	1.18E-09	3.53E-10	4.93E-09
475679.11, 3849218.47	0.00161	5.871E-06	2.03E-09	6.14E-09	4.85E-09	4.19E-09	1.89E-09	6.79E-11	1.64E-09	1.15E-09	9.97E-10	2.97E-10	4.15E-09
475677.71, 3849233.88	0.00163	5.944E-06	2.06E-09	6.21E-09	4.91E-09	4.25E-09	1.91E-09	6.87E-11	1.66E-09	1.17E-09	1.01E-09	3.01E-10	4.20E-09
475492.74, 3849204.66	0.00126	4.595E-06	1.59E-09	4.80E-09	3.79E-09	3.28E-09	1.48E-09	5.31E-11	1.28E-09	9.01E-10	7.80E-10	2.33E-10	3.25E-09
475497.64, 3849158.75	0.00136	4.959E-06	1.72E-09	5.18E-09	4.09E-09	3.54E-09	1.59E-09	5.73E-11	1.38E-09	9.73E-10	8.42E-10	2.51E-10	3.51E-09
475391.35, 3849141.94	0.00145	5.288E-06	1.83E-09	5.53E-09	4.37E-09	3.78E-09	1.70E-09	6.11E-11	1.48E-09	1.04E-09	8.98E-10	2.68E-10	3.74E-09
475277, 3849095.47	0.00148	5.397E-06	1.87E-09	5.64E-09	4.46E-09	3.86E-09	1.73E-09	6.24E-11	1.51E-09	1.06E-09	9.16E-10	2.73E-10	3.82E-09
475183.93, 3849025.66	0.00148	5.397E-06	1.87E-09	5.64E-09	4.46E-09	3.86E-09	1.73E-09	6.24E-11	1.51E-09	1.06E-09	9.16E-10	2.73E-10	3.82E-09
474453.23, 3848378.77	0.0014	5.105E-06	1.77E-09	5.34E-09	4.22E-09	3.65E-09	1.64E-09	5.90E-11	1.43E-09	1.00E-09	8.67E-10	2.59E-10	3.61E-09
474569.63, 3848399.34	0.00139	5.069E-06	1.75E-09	5.30E-09	4.18E-09	3.62E-09	1.63E-09	5.86E-11	1.42E-09	9.94E-10	8.60E-10	2.57E-10	3.59E-09
474644.33, 3848464.52	0.00141	5.142E-06	1.78E-09	5.37E-09	4.25E-09	3.67E-09	1.65E-09	5.94E-11	1.44E-09	1.01E-09	8.73E-10	2.61E-10	3.64E-09
474719.04, 3848529.7	0.00142	5.178E-06	1.79E-09	5.41E-09	4.28E-09	3.70E-09	1.66E-09	5.99E-11	1.45E-09	1.02E-09	8.79E-10	2.62E-10	3.66E-09
474793.74, 3848594.88	0.0014	5.105E-06	1.77E-09	5.34E-09	4.22E-09	3.65E-09	1.64E-09	5.90E-11	1.43E-09	1.00E-09	8.67E-10	2.59E-10	3.61E-09
474868.45, 3848660.07	0.00137	4.996E-06	1.73E-09	5.22E-09	4.12E-09	3.57E-09	1.60E-09	5.78E-11	1.39E-09	9.80E-10	8.48E-10	2.53E-10	3.53E-09
474943.15, 3848725.25	0.00136	4.959E-06	1.72E-09	5.18E-09	4.09E-09	3.54E-09	1.59E-09	5.73E-11	1.38E-09	9.73E-10	8.42E-10	2.51E-10	3.51E-09
475017.86, 3848790.43	0.00138	5.032E-06	1.74E-09	5.26E-09	4.15E-09	3.60E-09	1.62E-09	5.82E-11	1.41E-09	9.87E-10	8.54E-10	2.55E-10	3.56E-09
475092.56, 3848855.61	0.00141	5.142E-06	1.78E-09	5.37E-09	4.25E-09	3.67E-09	1.65E-09	5.94E-11	1.44E-09	1.01E-09	8.73E-10	2.61E-10	3.64E-09
475232.58, 3848959.38	0.00145	5.288E-06	1.83E-09	5.53E-09	4.37E-09	3.78E-09	1.70E-09	6.11E-11	1.48E-09	1.04E-09	8.98E-10	2.68E-10	3.74E-09
475368.47, 3849029.98	0.00145	5.288E-06	1.83E-09	5.53E-09	4.37E-09	3.78E-09	1.70E-09	6.11E-11	1.48E-09	1.04E-09	8.98E-10	2.68E-10	3.74E-09
475609.57, 3849096.09	0.00146	5.324E-06	1.84E-09	5.56E-09	4.40E-09	3.80E-09	1.71E-09	6.15E-11	1.49E-09	1.04E-09	9.04E-10	2.70E-10	3.77E-09
475680.68, 3849116.62	0.00153	5.579E-06	1.93E-09	5.83E-09	4.61E-09	3.99E-09	1.79E-09	6.45E-11	1.56E-09	1.09E-09	9.47E-10	2.83E-10	3.95E-09
475843.76, 3849151.52	0.00163	5.944E-06	2.06E-09	6.21E-09	4.91E-09	4.25E-09	1.91E-09	6.87E-11	1.66E-09	1.17E-09	1.01E-09	3.01E-10	4.20E-09
475935.73, 3849165.89	0.00173	6.309E-06	2.18E-09	6.59E-09	5.21E-09	4.51E-09	2.03E-09	7.29E-11	1.76E-09	1.24E-09	1.07E-09	3.20E-10	4.46E-09
476027.71, 3849180.26	0.00181	6.6E-06	2.28E-09	6.90E-09	5.45E-09	4.72E-09	2.12E-09	7.63E-11	1.84E-09	1.29E-09	1.12E-09	3.34E-10	4.67E-09
476119.68, 3849194.64	0.00179	6.528E-06	2.26E-09	6.82E-09	5.39E-09	4.66E-09	2.10E-09	7.55E-11	1.82E-09	1.28E-09	1.11E-09	3.31E-10	4.62E-09
476211.65, 3849209.01	0.00181	6.6E-06	2.28E-09	6.90E-09	5.45E-09	4.72E-09	2.12E-09	7.63E-11	1.84E-09	1.29E-09	1.12E-09	3.34E-10	4.67E-09
476497.8, 3849283.9	0.00194	7.075E-06	2.45E-09	7.39E-09	5.84E-09	5.05E-09	2.27E-09	8.18E-11	1.98E-09	1.39E-09	1.20E-09	3.58E-10	5.00E-09
476603.73, 3849323.77	0.00201	7.33E-06	2.54E-09	7.66E-09	6.05E-09	5.24E-09	2.35E-09	8.47E-11	2.05E-09	1.44E-09	1.24E-09	3.71E-10	5.18E-09
476728.99, 3849382.76	0.00208	7.585E-06	2.63E-09	7.93E-09	6.26E-09	5.42E-09	2.44E-09	8.77E-11	2.12E-09	1.49E-09	1.29E-09	3.84E-10	5.37E-09
476801.27, 3849418.65	0.00212	7.731E-06	2.68E-09	8.08E-09	6.38E-09	5.52E-09	2.48E-09	8.94E-11	2.16E-09	1.52E-09	1.31E-09	3.92E-10	5.47E-09
476956.2, 3849495.05	0.00221	8.059E-06	2.79E-09	8.42E-09	6.65E-09	5.76E-09	2.59E-09	9.32E-11	2.25E-09	1.58E-09	1.37E-09	4.08E-10	5.70E-09
477038.84, 3849535.56	0.00222	8.096E-06	2.80E-09	8.46E-09	6.68E-09	5.78E-09	2.60E-09	9.36E-11	2.26E-09	1.59E-09	1.37E-09	4.10E-10	5.73E-09
477121.48, 3849576.08	0.00227	8.278E-06	2.87E-09	8.65E-09	6.83E-09	5.91E-09	2.66E-09	9.57E-11	2.31E-09	1.62E-09	1.41E-09	4.19E-10	5.86E-09
477204.13, 3849616.6	0.00222	8.096E-06	2.80E-09	8.46E-09	6.68E-09	5.78E-09	2.60E-09	9.36E-11	2.26E-09	1.59E-09	1.37E-09	4.10E-10	5.73E-09
477286.78, 3849657.12	0.00214	7.804E-06	2.70E-09	8.16E-09	6.44E-09	5.57E-09	2.51E-09	9.02E-11	2.18E-09	1.53E-09	1.32E-09	3.95E-10	5.52E-09
477369.42, 3849697.63	0.00229	8.351E-06	2.89E-09	8.73E-09	6.89E-09	5.97E-09	2.68E-09	9.65E-11	2.33E-09	1.64E-09	1.42E-09	4.23E-10	5.91E-09

477452.07, 3849738.15	0.00236	8.606E-06	2.98E-09	9.00E-09	7.11E-09	6.15E-09	2.76E-09	9.95E-11	2.40E-09	1.69E-09	1.46E-09	4.36E-10	6.09E-09
477534.71, 3849778.67	0.00247	9.007E-06	3.12E-09	9.41E-09	7.44E-09	6.43E-09	2.89E-09	1.04E-10	2.52E-09	1.77E-09	1.53E-09	4.56E-10	6.37E-09
477617.35, 3849819.18	0.00249	9.08E-06	3.14E-09	9.49E-09	7.50E-09	6.49E-09	2.92E-09	1.05E-10	2.54E-09	1.78E-09	1.54E-09	4.60E-10	6.42E-09
477824.74, 3849896.37	0.00255	9.299E-06	3.22E-09	9.72E-09	7.68E-09	6.64E-09	2.99E-09	1.07E-10	2.60E-09	1.82E-09	1.58E-09	4.71E-10	6.58E-09
477906.31, 3849936.37	0.00249	9.08E-06	3.14E-09	9.49E-09	7.50E-09	6.49E-09	2.92E-09	1.05E-10	2.54E-09	1.78E-09	1.54E-09	4.60E-10	6.42E-09
477987.89, 3849976.36	0.00257	9.372E-06	3.24E-09	9.80E-09	7.74E-09	6.70E-09	3.01E-09	1.08E-10	2.62E-09	1.84E-09	1.59E-09	4.75E-10	6.63E-09
478069.47, 3850016.36	0.0025	9.117E-06	3.16E-09	9.53E-09	7.53E-09	6.51E-09	2.93E-09	1.05E-10	2.55E-09	1.79E-09	1.55E-09	4.62E-10	6.45E-09
478151.04, 3850056.35	0.00244	8.898E-06	3.08E-09	9.30E-09	7.35E-09	6.36E-09	2.86E-09	1.03E-10	2.48E-09	1.75E-09	1.51E-09	4.51E-10	6.29E-09
478232.62, 3850096.35	0.00247	9.007E-06	3.12E-09	9.41E-09	7.44E-09	6.43E-09	2.89E-09	1.04E-10	2.52E-09	1.77E-09	1.53E-09	4.56E-10	6.37E-09
478314.2, 3850136.34	0.00252	9.19E-06	3.18E-09	9.61E-09	7.59E-09	6.56E-09	2.95E-09	1.06E-10	2.57E-09	1.80E-09	1.56E-09	4.66E-10	6.50E-09
478395.77, 3850176.34	0.00256	9.335E-06	3.23E-09	9.76E-09	7.71E-09	6.67E-09	3.00E-09	1.08E-10	2.61E-09	1.83E-09	1.58E-09	4.73E-10	6.60E-09
478575.43, 3850244.45	0.00267	9.737E-06	3.37E-09	1.02E-08	8.04E-09	6.96E-09	3.13E-09	1.13E-10	2.72E-09	1.91E-09	1.65E-09	4.93E-10	6.89E-09
478665.06, 3850287.29	0.00273	9.955E-06	3.45E-09	1.04E-08	8.22E-09	7.11E-09	3.20E-09	1.15E-10	2.78E-09	1.95E-09	1.69E-09	5.04E-10	7.04E-09
478754.69, 3850330.14	0.0028	1.021E-05	3.53E-09	1.07E-08	8.43E-09	7.29E-09	3.28E-09	1.18E-10	2.85E-09	2.00E-09	1.73E-09	5.17E-10	7.22E-09
478844.32, 3850372.99	0.00289	1.054E-05	3.65E-09	1.10E-08	8.70E-09	7.53E-09	3.39E-09	1.22E-10	2.94E-09	2.07E-09	1.79E-09	5.34E-10	7.45E-09
478933.95, 3850415.84	0.003	1.094E-05	3.79E-09	1.14E-08	9.03E-09	7.82E-09	3.51E-09	1.26E-10	3.05E-09	2.15E-09	1.86E-09	5.54E-10	7.74E-09
479023.58, 3850458.68	0.003	1.094E-05	3.79E-09	1.14E-08	9.03E-09	7.82E-09	3.51E-09	1.26E-10	3.05E-09	2.15E-09	1.86E-09	5.54E-10	7.74E-09
479110.66, 3850441.9	0.00308	1.123E-05	3.89E-09	1.17E-08	9.27E-09	8.02E-09	3.61E-09	1.30E-10	3.14E-09	2.20E-09	1.91E-09	5.69E-10	7.94E-09
479191.22, 3850423.99	0.00308	1.123E-05	3.89E-09	1.17E-08	9.27E-09	8.02E-09	3.61E-09	1.30E-10	3.14E-09	2.20E-09	1.91E-09	5.69E-10	7.94E-09
479274.32, 3850465.71	0.00309	1.127E-05	3.90E-09	1.18E-08	9.30E-09	8.05E-09	3.62E-09	1.30E-10	3.15E-09	2.21E-09	1.91E-09	5.71E-10	7.97E-09
479357.43, 3850507.42	0.00303	1.105E-05	3.82E-09	1.15E-08	9.12E-09	7.89E-09	3.55E-09	1.28E-10	3.09E-09	2.17E-09	1.88E-09	5.60E-10	7.82E-09
479440.53, 3850549.14	0.00296	1.079E-05	3.74E-09	1.13E-08	8.91E-09	7.71E-09	3.47E-09	1.25E-10	3.01E-09	2.12E-09	1.83E-09	5.47E-10	7.64E-09
479523.64, 3850590.85	0.00292	1.065E-05	3.69E-09	1.11E-08	8.79E-09	7.61E-09	3.42E-09	1.23E-10	2.97E-09	2.09E-09	1.81E-09	5.40E-10	7.53E-09
479606.74, 3850632.57	0.00292	1.065E-05	3.69E-09	1.11E-08	8.79E-09	7.61E-09	3.42E-09	1.23E-10	2.97E-09	2.09E-09	1.81E-09	5.40E-10	7.53E-09
479777.37, 3850707.61	0.0029	1.058E-05	3.66E-09	1.11E-08	8.73E-09	7.55E-09	3.40E-09	1.22E-10	2.95E-09	2.07E-09	1.80E-09	5.36E-10	7.48E-09
479864.9, 3850740.95	0.00293	1.068E-05	3.70E-09	1.12E-08	8.82E-09	7.63E-09	3.43E-09	1.24E-10	2.98E-09	2.10E-09	1.81E-09	5.41E-10	7.56E-09
479931.87, 3850829.56	0.00304	1.109E-05	3.84E-09	1.16E-08	9.15E-09	7.92E-09	3.56E-09	1.28E-10	3.10E-09	2.17E-09	1.88E-09	5.62E-10	7.84E-09
479995.55, 3850926.75	0.00326	1.189E-05	4.12E-09	1.24E-08	9.82E-09	8.49E-09	3.82E-09	1.37E-10	3.32E-09	2.33E-09	2.02E-09	6.02E-10	8.41E-09
480079.78, 3850968.64	0.00336	1.225E-05	4.24E-09	1.28E-08	1.01E-08	8.75E-09	3.94E-09	1.42E-10	3.42E-09	2.40E-09	2.08E-09	6.21E-10	8.67E-09
480164.01, 3851010.54	0.00346	1.262E-05	4.37E-09	1.32E-08	1.04E-08	9.01E-09	4.05E-09	1.46E-10	3.52E-09	2.48E-09	2.14E-09	6.39E-10	8.92E-09
480248.23, 3851052.43	0.00356	1.298E-05	4.49E-09	1.36E-08	1.07E-08	9.27E-09	4.17E-09	1.50E-10	3.62E-09	2.55E-09	2.20E-09	6.58E-10	9.18E-09
480332.46, 3851094.33	0.00361	1.316E-05	4.56E-09	1.38E-08	1.09E-08	9.40E-09	4.23E-09	1.52E-10	3.68E-09	2.58E-09	2.23E-09	6.67E-10	9.31E-09
480416.69, 3851136.22	0.00359	1.309E-05	4.53E-09	1.37E-08	1.08E-08	9.35E-09	4.21E-09	1.51E-10	3.66E-09	2.57E-09	2.22E-09	6.63E-10	9.26E-09
480579.95, 3851215.17	0.00362	1.32E-05	4.57E-09	1.38E-08	1.09E-08	9.43E-09	4.24E-09	1.53E-10	3.69E-09	2.59E-09	2.24E-09	6.69E-10	9.34E-09
480658.98, 3851252.22	0.00365	1.331E-05	4.61E-09	1.39E-08	1.10E-08	9.51E-09	4.28E-09	1.54E-10	3.72E-09	2.61E-09	2.26E-09	6.74E-10	9.42E-09
480817.36, 3851327.85	0.00372	1.357E-05	4.70E-09	1.42E-08	1.12E-08	9.69E-09	4.36E-09	1.57E-10	3.79E-09	2.66E-09	2.30E-09	6.87E-10	9.60E-09
480896.71, 3851366.42	0.00373	1.36E-05	4.71E-09	1.42E-08	1.12E-08	9.72E-09	4.37E-09	1.57E-10	3.80E-09	2.67E-09	2.31E-09	6.89E-10	9.62E-09
480976.07, 3851405	0.00376	1.371E-05	4.75E-09	1.43E-08	1.13E-08	9.80E-09	4.40E-09	1.58E-10	3.83E-09	2.69E-09	2.33E-09	6.95E-10	9.70E-09
481178, 3851487.31	0.00379	1.382E-05	4.78E-09	1.44E-08	1.14E-08	9.87E-09	4.44E-09	1.60E-10	3.86E-09	2.71E-09	2.35E-09	7.00E-10	9.78E-09
481244.9, 3851557.17	0.00389	1.419E-05	4.91E-09	1.48E-08	1.17E-08	1.01E-08	4.56E-09	1.64E-10	3.96E-09	2.78E-09	2.41E-09	7.19E-10	1.00E-08
481311.81, 3851627.03	0.00396	1.444E-05	5.00E-09	1.51E-08	1.19E-08	1.03E-08	4.64E-09	1.67E-10	4.03E-09	2.83E-09	2.45E-09	7.32E-10	1.02E-08
481378.71, 3851696.89	0.00402	1.466E-05	5.07E-09	1.53E-08	1.21E-08	1.05E-08	4.71E-09	1.69E-10	4.09E-09	2.88E-09	2.49E-09	7.43E-10	1.04E-08
481445.61, 3851766.76	0.00408	1.488E-05	5.15E-09	1.56E-08	1.23E-08	1.06E-08	4.78E-09	1.72E-10	4.15E-09	2.92E-09	2.53E-09	7.54E-10	1.05E-08
481512.51, 3851836.62	0.00412	1.502E-05	5.20E-09	1.57E-08	1.24E-08	1.07E-08	4.83E-09	1.74E-10	4.20E-09	2.95E-09	2.55E-09	7.61E-10	1.06E-08
481579.42, 3851906.48	0.00415	1.513E-05	5.24E-09	1.58E-08	1.25E-08	1.08E-08	4.86E-09	1.75E-10	4.23E-09	2.97E-09	2.57E-09	7.67E-10	1.07E-08
481646.32, 3851976.34	0.0042	1.532E-05	5.30E-09	1.60E-08	1.26E-08	1.09E-08	4.92E-09	1.77E-10	4.28E-09	3.00E-09	2.60E-09	7.76E-10	1.08E-08
481713.22, 3852046.2	0.00415	1.513E-05	5.24E-09	1.58E-08	1.25E-08	1.08E-08	4.86E-09	1.75E-10	4.23E-09	2.97E-09	2.57E-09	7.67E-10	1.07E-08
481780.12, 3852116.06	0.00424	1.546E-05	5.35E-09	1.62E-08	1.28E-08	1.10E-08	4.97E-09	1.79E-10	4.32E-09	3.03E-09	2.62E-09	7.83E-10	1.09E-08
481847.03, 3852185.92	0.00438	1.597E-05	5.53E-09	1.67E-08	1.32E-08	1.14E-08	5.13E-09	1.85E-10	4.46E-09	3.13E-09	2.71E-09	8.09E-10	1.13E-08
481913.93, 3852255.78	0.00455	1.659E-05	5.74E-09	1.73E-08	1.37E-08	1.19E-08	5.33E-09	1.92E-10	4.63E-09	3.25E-09	2.82E-09	8.41E-10	1.17E-08
481980.83, 3852325.65	0.00476	1.736E-05	6.01E-09	1.81E-08	1.43E-08	1.24E-08	5.58E-09	2.01E-10	4.85E-09	3.41E-09	2.95E-09	8.80E-10	1.23E-08
482047.73, 3852395.51	0.00487	1.776E-05	6.15E-09	1.86E-08	1.47E-08	1.27E-08	5.70E-09	2.05E-10	4.96E-09	3.48E-09	3.01E-09	9.00E-10	1.26E-08
482114.64, 3852465.37	0.00505	1.842E-05	6.37E-09	1.92E-08	1.52E-08	1.32E-08	5.92E-09	2.13E-10	5.14E-09	3.61E-09	3.13E-09	9.33E-10	1.30E-08
482181.54, 3852535.23	0.00507	1.849E-05	6.40E-09	1.93E-08	1.53E-08	1.32E-08	5.94E-09	2.14E-10	5.16E-09	3.63E-09	3.14E-09	9.37E-10	1.31E-08
482338.69, 3852700.04	0.00524	1.911E-05	6.61E-09	2.00E-08	1.58E-08	1.37E-08	6.14E-09	2.21E-10	5.34E-09	3.75E-09	3.24E-09	9.68E-10	1.35E-08
482404.05, 3852767.78	0.00529	1.929E-05	6.68E-09	2.02E-08	1.59E-08	1.38E-08	6.20E-09	2.23E-10	5.39E-09	3.78E-09	3.27E-09	9.77E-10	1.36E-08
482469.4, 3852835.52	0.00534	1.947E-05	6.74E-09	2.04E-08	1.61E-08	1.39E-08	6.26E-09	2.25E-10	5.44E-09	3.82E-09	3.31E-09	9.87E-10	1.38E-08
482534.75, 3852903.25	0.00532	1.94E-05	6.72E-09	2.03E-08	1.60E-08	1.39E-08	6.23E-09	2.24E-10	5.42E-09	3.81E-09	3.29E-09	9.83E-10	1.37E-08
482600.11, 3852970.99	0.00536	1.955E-05	6.77E-09	2.04E-08	1.61E-08	1.40E-08	6.28E-09	2.26E-10	5.46E-09	3.83E-09	3.32E-09	9.90E-10	1.38E-08
482706.71, 3853119.28	0.00529	1.929E-05	6.68E-09	2.02E-08	1.59E-08	1.38E-08	6.20E-09	2.23E-10	5.39E-09	3.78E-09	3.27E-09	9.77E-10	1.36E-08
482747.96, 3853199.84	0.00532	1.94E-05	6.72E-09	2.03E-08	1.60E-08	1.39E-08	6.23E-09	2.24E-10	5.42E-09	3.81E-09	3.29E-09	9.83E-10	1.37E-08
482789.21, 3853280.4	0.00536	1.955E-05	6.77E-09	2.04E-08	1.61E-08	1.40E-08	6.28E-09	2.26E-10	5.46E-09	3.83E-09	3.32E-09	9.90E-10	1.38E-08
482830.46, 3853360.96	0.00534	1.947E-05	6.74E-09	2.04E-08	1.61E-08	1.39E-08	6.26E-09	2.25E-10	5.44E-09	3.82E-09	3.31E-09	9.87E-10	1.38E-08
482871.71, 3853441.52	0.0053	1.933E-05	6.69E-09	2.02E-08	1.60E-08	1.38E-08	6.21E-09	2.23E-10	5.40E-09	3.79E-09	3.28E-09	9.79E-10	1.37E-08
482912.95, 3853522.07	0.00514	1.874E-05	6.49E-09	1.96E-08	1.55E-08	1.34E-08	6.02E-09	2.17E-10	5.23E-09	3.68E-09	3.18E-09	9.50E-10	1.33E-08
482954.2, 3853602.63	0.005	1.823E-05	6.31E-09	1.91E-08	1.51E-08	1.30E-08	5.86E-09	2.11E-10	5.09E-09	3.58E-09	3.09E-09	9.24E-10	1.29E-08
482995.45, 3853683.19	0.00484	1.765E-05	6.11E-09	1.84E-08	1.46E-08	1.26E-08	5.67E-09	2.04E-10	4.93E-09	3.46E-09	3.00E-09	8.94E-10	1.25E-08
483036.7, 3853763.75	0.00468	1.707E-05	5.91E-09	1.78E-08	1.41E-08	1.22E-08	5.48E-09	1.97E-10	4.77E-09	3.35E-09	2.90E-09	8.65E-10	1.21E-08
483214.2, 3853909.91	0.00408	1.488E-05	5.15E-09	1.56E-08	1.23E-08	1.06E-08	4.78E-09	1.72E-10	4.15E-09	2.92E-09	2.53E-09	7.54E-10	1.05E-08
483307.01, 3853910.44	0.00417	1.521E-05	5.26E-09	1.59E-08	1.26E-08	1.09E-08	4.88E-09	1.76E-10	4.25E-09	2.98E-09	2.58E-09	7.70E-10	1.08E-08
483399.83, 3853910.96	0.00419	1.528E-05	5.29E-09	1.60E-08	1.26E-08	1.09E-08	4.91E-09	1.77E-10	4.27E-09	3.00E-09	2.59E-09	7.74E-10	1.08E-08
483494.52, 3854009.24	0.00419	1.528E-05	5.29E-09	1.60E-08	1.26E-08	1.09E-08	4.91E-09	1.77E-10	4.27E-09	3.00E-09	2.59E-09	7.74E-10	1.08E-08
483496.41, 3854106.98	0.00415	1.513E-05	5.24E-09	1.58E-08	1.25E-08	1.08E-08	4.86E-09	1.75E-10	4.23E-09	2.97E-09	2.57E-09	7.67E-10	1.07E-08
483577.56, 3854261.96	0.00377	1.375E-05	4.76E-09	1.44E-08	1.14E-08	9.82E-09	4.42E-09	1.59E-10	3.84E-09	2.70E-09	2.33E-09	6.97E-10	9.72E-09
483656.83, 3854319.19	0.00358	1.306E-05	4.52E-09	1.36E-08	1.08E-08	9.33E-09	4.19E-09	1.51E-10	3.65E-09	2.56E-09	2.22E-09	6.61E-10	9.23E-09
483736.1, 3854376.41	0.0034	1.24E-05	4.29E-09	1.30E-08	1.02E-08	8.86E-09	3.98E-09	1.43E-10	3.46E-09	2.43E-09	2.10E-09	6.28E-10	8.77E-09
483815.36, 3854433.64	0.00325	1.185E-05	4.10E-09	1.24E-08	9.78E-09	8.47E-09	3.81E-09	1.37E-10	3.31E-09	2.32E-09	2.01E-09	6.01E-10	8.38E-09
483894.63, 3854490.87	0.0031	1.13E-05	3.91E-09	1.18E-08	9.33E-09	8.08E-09	3.63E-09	1.31E-10	3.16E-09	2.22E-09	1.92E-09	5.73E-10	8.00E-09
483973.9, 3854548.09	0.00297	1.083E-05	3.75E-09	1.13E-08	8.94E-09	7.74E-09	3.48E-09	1.25E-10	3.02E-09	2.12E-09	1.84E-09	5.49E-10	7.66E-09
484053.17, 3854605.32	0.00291	1.061E-05	3.67E-09	1.11E-08	8.76E-09	7.58E-09	3.41E-09	1.23E-10	2.96E-09	2.08E-09	1.80E-09	5.38E-10	7.51E-09

484214.97, 3854698.15	0.00276	1.006E-05	3.48E-09	1.05E-08	8.31E-09	7.19E-09	3.23E-09	1.16E-10	2.81E-09	1.97E-09	1.71E-09	5.10E-10	7.12E-09
484297.5, 3854733.74	0.00283	1.032E-05	3.57E-09	1.08E-08	8.52E-09	7.37E-09	3.32E-09	1.19E-10	2.88E-09	2.02E-09	1.75E-09	5.23E-10	7.30E-09
484380.03, 3854769.34	0.00284	1.036E-05	3.59E-09	1.08E-08	8.55E-09	7.40E-09	3.33E-09	1.20E-10	2.89E-09	2.03E-09	1.76E-09	5.25E-10	7.33E-09
484462.56, 3854804.94	0.00302	1.101E-05	3.81E-09	1.15E-08	9.09E-09	7.87E-09	3.54E-09	1.27E-10	3.08E-09	2.16E-09	1.87E-09	5.58E-10	7.79E-09
484545.09, 3854840.53	0.00302	1.101E-05	3.81E-09	1.15E-08	9.09E-09	7.87E-09	3.54E-09	1.27E-10	3.08E-09	2.16E-09	1.87E-09	5.58E-10	7.79E-09
484691.88, 3854912.58	0.0032	1.167E-05	4.04E-09	1.22E-08	9.63E-09	8.34E-09	3.75E-09	1.35E-10	3.26E-09	2.29E-09	1.98E-09	5.91E-10	8.25E-09
484830.81, 3855012.51	0.00325	1.185E-05	4.10E-09	1.24E-08	9.78E-09	8.47E-09	3.81E-09	1.37E-10	3.31E-09	2.32E-09	2.01E-09	6.01E-10	8.38E-09
484905.48, 3855075.97	0.00355	1.295E-05	4.48E-09	1.35E-08	1.07E-08	9.25E-09	4.16E-09	1.50E-10	3.61E-09	2.54E-09	2.20E-09	6.56E-10	9.16E-09
484980.14, 3855139.44	0.00368	1.342E-05	4.65E-09	1.40E-08	1.11E-08	9.59E-09	4.31E-09	1.55E-10	3.75E-09	2.63E-09	2.28E-09	6.80E-10	9.49E-09
485054.81, 3855202.91	0.00374	1.364E-05	4.72E-09	1.43E-08	1.13E-08	9.74E-09	4.38E-09	1.58E-10	3.81E-09	2.68E-09	2.31E-09	6.91E-10	9.65E-09
485129.48, 3855266.37	0.00369	1.346E-05	4.66E-09	1.41E-08	1.11E-08	9.61E-09	4.32E-09	1.56E-10	3.76E-09	2.64E-09	2.28E-09	6.82E-10	9.52E-09
485204.15, 3855329.84	0.00384	1.4E-05	4.85E-09	1.46E-08	1.16E-08	1.00E-08	4.50E-09	1.62E-10	3.91E-09	2.75E-09	2.38E-09	7.10E-10	9.91E-09
485278.82, 3855393.31	0.00389	1.419E-05	4.91E-09	1.48E-08	1.17E-08	1.01E-08	4.56E-09	1.64E-10	3.96E-09	2.78E-09	2.41E-09	7.19E-10	1.00E-08
485353.48, 3855456.77	0.00399	1.455E-05	5.04E-09	1.52E-08	1.20E-08	1.04E-08	4.67E-09	1.68E-10	4.06E-09	2.85E-09	2.47E-09	7.37E-10	1.03E-08
485428.15, 3855520.24	0.00403	1.47E-05	5.09E-09	1.54E-08	1.21E-08	1.05E-08	4.72E-09	1.70E-10	4.10E-09	2.88E-09	2.49E-09	7.45E-10	1.04E-08
485502.82, 3855583.71	0.00409	1.491E-05	5.16E-09	1.56E-08	1.23E-08	1.07E-08	4.79E-09	1.72E-10	4.16E-09	2.93E-09	2.53E-09	7.56E-10	1.06E-08
485577.49, 3855647.17	0.00426	1.553E-05	5.38E-09	1.62E-08	1.28E-08	1.11E-08	4.99E-09	1.80E-10	4.34E-09	3.05E-09	2.64E-09	7.87E-10	1.10E-08
485652.16, 3855710.64	0.00444	1.619E-05	5.60E-09	1.69E-08	1.34E-08	1.16E-08	5.20E-09	1.87E-10	4.52E-09	3.18E-09	2.75E-09	8.20E-10	1.15E-08
485726.83, 3855774.1	0.00451	1.645E-05	5.69E-09	1.72E-08	1.36E-08	1.17E-08	5.28E-09	1.90E-10	4.59E-09	3.23E-09	2.79E-09	8.33E-10	1.16E-08
485801.49, 3855837.57	0.00453	1.652E-05	5.72E-09	1.73E-08	1.36E-08	1.18E-08	5.31E-09	1.91E-10	4.61E-09	3.24E-09	2.80E-09	8.37E-10	1.17E-08
485876.16, 3855901.04	0.00461	1.681E-05	5.82E-09	1.76E-08	1.39E-08	1.20E-08	5.40E-09	1.94E-10	4.69E-09	3.30E-09	2.85E-09	8.52E-10	1.19E-08
485950.83, 3855964.5	0.00464	1.692E-05	5.86E-09	1.77E-08	1.40E-08	1.21E-08	5.44E-09	1.96E-10	4.72E-09	3.32E-09	2.87E-09	8.57E-10	1.20E-08
486025.5, 3856027.97	0.0046	1.677E-05	5.81E-09	1.75E-08	1.38E-08	1.20E-08	5.39E-09	1.94E-10	4.68E-09	3.29E-09	2.85E-09	8.50E-10	1.19E-08
486100.17, 3856091.44	0.00486	1.772E-05	6.14E-09	1.85E-08	1.46E-08	1.27E-08	5.69E-09	2.05E-10	4.95E-09	3.48E-09	3.01E-09	8.98E-10	1.25E-08
486174.83, 3856154.9	0.00479	1.747E-05	6.05E-09	1.83E-08	1.44E-08	1.25E-08	5.61E-09	2.02E-10	4.88E-09	3.43E-09	2.96E-09	8.85E-10	1.24E-08
486249.5, 3856218.37	0.00456	1.663E-05	5.76E-09	1.74E-08	1.37E-08	1.19E-08	5.34E-09	1.92E-10	4.64E-09	3.26E-09	2.82E-09	8.43E-10	1.18E-08
486324.17, 3856281.84	0.00442	1.612E-05	5.58E-09	1.68E-08	1.33E-08	1.15E-08	5.18E-09	1.86E-10	4.50E-09	3.16E-09	2.74E-09	8.17E-10	1.14E-08
486398.84, 3856345.3	0.00455	1.659E-05	5.74E-09	1.73E-08	1.37E-08	1.19E-08	5.33E-09	1.92E-10	4.63E-09	3.25E-09	2.82E-09	8.41E-10	1.17E-08
486473.51, 3856408.77	0.00461	1.681E-05	5.82E-09	1.76E-08	1.39E-08	1.20E-08	5.40E-09	1.94E-10	4.69E-09	3.30E-09	2.85E-09	8.52E-10	1.19E-08
486548.17, 3856472.24	0.00476	1.736E-05	6.01E-09	1.81E-08	1.43E-08	1.24E-08	5.58E-09	2.01E-10	4.85E-09	3.41E-09	2.95E-09	8.80E-10	1.23E-08
486622.84, 3856535.7	0.00493	1.798E-05	6.22E-09	1.88E-08	1.48E-08	1.28E-08	5.78E-09	2.08E-10	5.02E-09	3.53E-09	3.05E-09	9.11E-10	1.27E-08
486765.48, 3856659.69	0.00536	1.955E-05	6.77E-09	2.04E-08	1.61E-08	1.40E-08	6.28E-09	2.26E-10	5.46E-09	3.83E-09	3.32E-09	9.90E-10	1.38E-08
486833.44, 3856720.2	0.00555	2.024E-05	7.01E-09	2.12E-08	1.67E-08	1.45E-08	6.50E-09	2.34E-10	5.65E-09	3.97E-09	3.44E-09	1.03E-09	1.43E-08
486901.41, 3856780.72	0.00579	2.111E-05	7.31E-09	2.21E-08	1.74E-08	1.51E-08	6.78E-09	2.44E-10	5.90E-09	4.14E-09	3.58E-09	1.07E-09	1.49E-08
486969.38, 3856841.24	0.00601	2.192E-05	7.59E-09	2.29E-08	1.81E-08	1.57E-08	7.04E-09	2.53E-10	6.12E-09	4.30E-09	3.72E-09	1.11E-09	1.55E-08
487037.34, 3856901.75	0.00623	2.272E-05	7.86E-09	2.37E-08	1.88E-08	1.62E-08	7.30E-09	2.63E-10	6.34E-09	4.46E-09	3.86E-09	1.15E-09	1.61E-08
487271.23, 3856855.51	0.0062	2.261E-05	7.83E-09	2.36E-08	1.87E-08	1.62E-08	7.26E-09	2.61E-10	6.31E-09	4.44E-09	3.84E-09	1.15E-09	1.60E-08
487368.95, 3856857.29	0.00626	2.283E-05	7.90E-09	2.39E-08	1.88E-08	1.63E-08	7.33E-09	2.64E-10	6.37E-09	4.48E-09	3.87E-09	1.16E-09	1.61E-08
487466.68, 3856859.06	0.00638	2.327E-05	8.05E-09	2.43E-08	1.92E-08	1.66E-08	7.47E-09	2.69E-10	6.50E-09	4.56E-09	3.95E-09	1.18E-09	1.65E-08
487636.44, 3856930	0.00675	2.461E-05	8.52E-09	2.57E-08	2.03E-08	1.76E-08	7.91E-09	2.85E-10	6.87E-09	4.83E-09	4.18E-09	1.25E-09	1.74E-08
487709.57, 3856928.43	0.00688	2.509E-05	8.68E-09	2.62E-08	2.07E-08	1.79E-08	8.06E-09	2.90E-10	7.01E-09	4.92E-09	4.26E-09	1.27E-09	1.77E-08
487782.55, 3856841.96	0.00683	2.491E-05	8.62E-09	2.60E-08	2.06E-08	1.78E-08	8.00E-09	2.88E-10	6.95E-09	4.89E-09	4.23E-09	1.26E-09	1.76E-08
487849.83, 3856754.74	0.00689	2.513E-05	8.70E-09	2.63E-08	2.07E-08	1.79E-08	8.07E-09	2.90E-10	7.02E-09	4.93E-09	4.26E-09	1.27E-09	1.78E-08
487918.03, 3856819.39	0.0072	2.626E-05	9.09E-09	2.74E-08	2.17E-08	1.88E-08	8.43E-09	3.04E-10	7.33E-09	5.15E-09	4.46E-09	1.33E-09	1.86E-08
487918.8, 3856886.37	0.0073	2.662E-05	9.22E-09	2.78E-08	2.20E-08	1.90E-08	8.55E-09	3.08E-10	7.43E-09	5.22E-09	4.52E-09	1.35E-09	1.88E-08
488065.46, 3857127.5	0.00792	2.888E-05	1.00E-08	3.02E-08	2.38E-08	2.06E-08	9.28E-09	3.34E-10	8.06E-09	5.67E-09	4.90E-09	1.46E-09	2.04E-08
488192.19, 3857385.83	0.00927	3.38E-05	1.17E-08	3.53E-08	2.79E-08	2.41E-08	1.09E-08	3.91E-10	9.44E-09	6.63E-09	5.74E-09	1.71E-09	2.39E-08
488191.21, 3857473.87	0.00977	3.563E-05	1.23E-08	3.72E-08	2.94E-08	2.55E-08	1.14E-08	4.12E-10	9.95E-09	6.99E-09	6.05E-09	1.81E-09	2.52E-08
488190.24, 3857561.9	0.01026	3.741E-05	1.30E-08	3.91E-08	3.09E-08	2.67E-08	1.20E-08	4.32E-10	1.04E-08	7.34E-09	6.35E-09	1.90E-09	2.65E-08
488158.35, 3857691.13	0.01073	3.913E-05	1.35E-08	4.09E-08	3.23E-08	2.80E-08	1.26E-08	4.52E-10	1.09E-08	7.68E-09	6.64E-09	1.98E-09	2.77E-08
488208.37, 3857816.66	0.01131	4.124E-05	1.43E-08	4.31E-08	3.41E-08	2.95E-08	1.32E-08	4.77E-10	1.15E-08	8.09E-09	7.00E-09	2.09E-09	2.92E-08
488271.97, 3857874.6	0.01172	4.274E-05	1.48E-08	4.47E-08	3.53E-08	3.05E-08	1.37E-08	4.94E-10	1.19E-08	8.38E-09	7.25E-09	2.17E-09	3.02E-08
488463.56, 3857942.31	0.01277	4.657E-05	1.61E-08	4.87E-08	3.84E-08	3.33E-08	1.50E-08	5.38E-10	1.30E-08	9.14E-09	7.90E-09	2.36E-09	3.29E-08
488554.83, 3857940.83	0.01304	4.755E-05	1.65E-08	4.97E-08	3.93E-08	3.40E-08	1.53E-08	5.50E-10	1.33E-08	9.33E-09	8.07E-09	2.41E-09	3.36E-08
488646.1, 3857939.36	0.01326	4.835E-05	1.67E-08	5.05E-08	3.99E-08	3.45E-08	1.55E-08	5.59E-10	1.35E-08	9.49E-09	8.21E-09	2.45E-09	3.42E-08
488737.37, 3857937.88	0.01341	4.89E-05	1.69E-08	5.11E-08	4.04E-08	3.49E-08	1.57E-08	5.65E-10	1.37E-08	9.59E-09	8.30E-09	2.48E-09	3.46E-08
488733.59, 3857960.57	0.01343	4.897E-05	1.70E-08	5.12E-08	4.04E-08	3.50E-08	1.57E-08	5.66E-10	1.37E-08	9.61E-09	8.31E-09	2.48E-09	3.46E-08
488638.09, 3857961.57	0.01329	4.846E-05	1.68E-08	5.07E-08	4.00E-08	3.46E-08	1.56E-08	5.60E-10	1.35E-08	9.51E-09	8.23E-09	2.46E-09	3.43E-08
488542.6, 3857962.56	0.0131	4.777E-05	1.65E-08	4.99E-08	3.94E-08	3.41E-08	1.53E-08	5.52E-10	1.33E-08	9.37E-09	8.11E-09	2.42E-09	3.38E-08
488447.1, 3857963.56	0.0128	4.668E-05	1.62E-08	4.88E-08	3.85E-08	3.33E-08	1.50E-08	5.40E-10	1.30E-08	9.16E-09	7.92E-09	2.37E-09	3.30E-08
488254.28, 3857890.36	0.01173	4.278E-05	1.48E-08	4.47E-08	3.53E-08	3.06E-08	1.37E-08	4.94E-10	1.19E-08	8.39E-09	7.26E-09	2.17E-09	3.03E-08
488191.69, 3857833.06	0.01127	4.11E-05	1.42E-08	4.30E-08	3.39E-08	2.94E-08	1.32E-08	4.75E-10	1.15E-08	8.06E-09	6.98E-09	2.08E-09	2.91E-08
488129.5, 3857907.43	0.01137	4.146E-05	1.44E-08	4.33E-08	3.42E-08	2.96E-08	1.33E-08	4.79E-10	1.16E-08	8.13E-09	7.04E-09	2.10E-09	2.93E-08
488196.47, 3857968.73	0.01178	4.296E-05	1.49E-08	4.49E-08	3.55E-08	3.07E-08	1.38E-08	4.97E-10	1.20E-08	8.43E-09	7.29E-09	2.18E-09	3.04E-08
488263.44, 3858030.04	0.01211	4.416E-05	1.53E-08	4.62E-08	3.65E-08	3.15E-08	1.42E-08	5.10E-10	1.23E-08	8.66E-09	7.50E-09	2.24E-09	3.12E-08
488400.64, 3858132.9	0.01282	4.675E-05	1.62E-08	4.89E-08	3.86E-08	3.34E-08	1.50E-08	5.40E-10	1.31E-08	9.17E-09	7.94E-09	2.37E-09	3.31E-08
488519.89, 3858218.38	0.01434	5.229E-05	1.81E-08	5.47E-08	4.32E-08	3.74E-08	1.68E-08	6.04E-10	1.46E-08	1.03E-08	8.88E-09	2.65E-09	3.70E-08
488647.97, 3858214.99	0.01474	5.375E-05	1.86E-08	5.62E-08	4.44E-08	3.84E-08	1.73E-08	6.21E-10	1.50E-08	1.05E-08	9.12E-09	2.72E-09	3.80E-08
488727.05, 3858167.67	0.01465	5.342E-05	1.85E-08	5.58E-08	4.41E-08	3.82E-08	1.72E-08	6.18E-10	1.49E-08	1.05E-08	9.07E-09	2.71E-09	3.78E-08
488806.12, 3858120.35	0.01441	5.255E-05	1.82E-08	5.49E-08	4.34E-08	3.75E-08	1.69E-08	6.07E-10	1.47E-08	1.03E-08	8.92E-09	2.66E-09	3.72E-08
488885.2, 3858073.03	0.01416	5.164E-05	1.79E-08	5.40E-08	4.26E-08	3.69E-08	1.66E-08	5.97E-10	1.44E-08	1.01E-08	8.76E-09	2.62E-09	3.65E-08
489055.76, 3857991.17	0.01366	4.981E-05	1.72E-08	5.21E-08	4.11E-08	3.56E-08	1.60E-08	5.76E-10	1.39E-08	9.77E-09	8.46E-09	2.52E-09	3.52E-08
489245.39, 3857944.54	0.01296	4.726E-05	1.64E-08	4.94E-08	3.90E-08	3.38E-08	1.52E-08	5.46E-10	1.32E-08	9.27E-09	8.02E-09	2.39E-09	3.34E-08
489430.63, 3857930.91	0.01273	4.642E-05	1.61E-08	4.85E-08	3.83E-08	3.32E-08	1.49E-08	5.37E-10	1.30E-08	9.11E-09	7.88E-09	2.35E-09	3.28E-08
489517.74, 3857929.36	0.01264	4.609E-05	1.60E-08	4.82E-08	3.81E-08	3.29E-08	1.48E-08	5.33E-10	1.29E-08	9.04E-09	7.82E-09	2.34E-09	3.26E-08
489604.85, 3857927.82	0.0125	4.558E-05	1.58E-08	4.76E-08	3.76E-08	3.26E-08	1.46E-08	5.27E-10	1.27E-08	8.94E-09	7.74E-09	2.31E-09	3.22E-08
489691.97, 3857926.28	0.01254	4.573E-05	1.58E-08	4.78E-08	3.78E-08	3.27E-08	1.47E-08	5.29E-10	1.28E-08	8.97E-09	7.76E-09	2.32E-09	3.23E-08
489779.08, 3857924.73	0.01257	4.584E-05	1.59E-08	4.79E-08	3.78E-08	3.27E-08	1.47E-08	5.30E-10	1.28E-08	8.99E-09	7.78E-09	2.32E-09	3.24E-08
490017.55, 3857875.08	0.01235	4.504E-05	1.56E-08	4.71E-08	3.72E-08	3.22E-08	1.45E-08	5.21E-10	1.26E-08	8.83E-09	7.64E-09	2.28E-09	3.19E-08
490033.82, 3857960.81	0.01283	4.679E-05	1.62E-08	4.89E-08	3.86E-08	3.34E-08	1.50E-08	5.41E-10	1.31E-08	9.18E-09	7.94E-09	2.37E-09	3.31E-08

489959.15, 3857987.49	0.01272	4.639E-05	1.61E-08	4.85E-08	3.83E-08	3.31E-08	1.49E-08	5.36E-10	1.30E-08	9.10E-09	7.87E-09	2.35E-09	3.28E-08
489791.49, 3858016.12	0.01267	4.62E-05	1.60E-08	4.83E-08	3.81E-08	3.30E-08	1.48E-08	5.34E-10	1.29E-08	9.06E-09	7.84E-09	2.34E-09	3.27E-08
489698.51, 3858018.07	0.01273	4.642E-05	1.61E-08	4.85E-08	3.83E-08	3.32E-08	1.49E-08	5.37E-10	1.30E-08	9.11E-09	7.88E-09	2.35E-09	3.28E-08
489605.52, 3858020.01	0.01285	4.686E-05	1.62E-08	4.90E-08	3.87E-08	3.35E-08	1.51E-08	5.42E-10	1.31E-08	9.19E-09	7.95E-09	2.37E-09	3.31E-08
489512.53, 3858021.96	0.01303	4.752E-05	1.64E-08	4.97E-08	3.92E-08	3.39E-08	1.53E-08	5.49E-10	1.33E-08	9.32E-09	8.07E-09	2.41E-09	3.36E-08
489419.55, 3858023.91	0.01331	4.854E-05	1.68E-08	5.07E-08	4.01E-08	3.47E-08	1.56E-08	5.61E-10	1.36E-08	9.52E-09	8.24E-09	2.46E-09	3.43E-08
489228.47, 3858041.29	0.01318	4.806E-05	1.66E-08	5.02E-08	3.97E-08	3.43E-08	1.54E-08	5.56E-10	1.34E-08	9.43E-09	8.16E-09	2.44E-09	3.40E-08
489065.75, 3858085.78	0.01384	5.047E-05	1.75E-08	5.28E-08	4.17E-08	3.61E-08	1.62E-08	5.83E-10	1.41E-08	9.90E-09	8.57E-09	2.56E-09	3.57E-08
489001.12, 3858114.86	0.01403	5.116E-05	1.77E-08	5.35E-08	4.22E-08	3.65E-08	1.64E-08	5.91E-10	1.43E-08	1.00E-08	8.68E-09	2.59E-09	3.62E-08
488861.89, 3858189.81	0.0143	5.215E-05	1.81E-08	5.45E-08	4.31E-08	3.73E-08	1.68E-08	6.03E-10	1.46E-08	1.02E-08	8.85E-09	2.64E-09	3.69E-08
488787.29, 3858235.69	0.01481	5.401E-05	1.87E-08	5.64E-08	4.46E-08	3.86E-08	1.73E-08	6.24E-10	1.51E-08	1.06E-08	9.17E-09	2.74E-09	3.82E-08
488712.68, 3858281.57	0.01465	5.342E-05	1.85E-08	5.58E-08	4.41E-08	3.82E-08	1.72E-08	6.18E-10	1.49E-08	1.05E-08	9.07E-09	2.71E-09	3.78E-08
488654.39, 3858436.17	0.01532	5.587E-05	1.93E-08	5.84E-08	4.61E-08	3.99E-08	1.79E-08	6.46E-10	1.56E-08	1.10E-08	9.48E-09	2.83E-09	3.95E-08
488726.3, 3858505.26	0.0156	5.689E-05	1.97E-08	5.95E-08	4.70E-08	4.06E-08	1.83E-08	6.58E-10	1.59E-08	1.12E-08	9.66E-09	2.88E-09	4.02E-08
488880.6, 3858599.28	0.01586	5.784E-05	2.00E-08	6.05E-08	4.78E-08	4.13E-08	1.86E-08	6.69E-10	1.61E-08	1.13E-08	9.82E-09	2.93E-09	4.09E-08
489008.06, 3858714.75	0.01626	5.929E-05	2.05E-08	6.20E-08	4.90E-08	4.24E-08	1.90E-08	6.85E-10	1.66E-08	1.16E-08	1.01E-08	3.00E-09	4.19E-08
489071.48, 3858772.72	0.01641	5.984E-05	2.07E-08	6.25E-08	4.94E-08	4.27E-08	1.92E-08	6.92E-10	1.67E-08	1.17E-08	1.02E-08	3.03E-09	4.23E-08
489244.59, 3858920.19	0.01718	6.265E-05	2.17E-08	6.55E-08	5.17E-08	4.48E-08	2.01E-08	7.24E-10	1.75E-08	1.23E-08	1.06E-08	3.17E-09	4.43E-08
489239.69, 3858952.23	0.01752	6.389E-05	2.21E-08	6.68E-08	5.27E-08	4.56E-08	2.05E-08	7.39E-10	1.78E-08	1.25E-08	1.08E-08	3.24E-09	4.52E-08
489121.67, 3858854.49	0.01695	6.181E-05	2.14E-08	6.46E-08	5.10E-08	4.42E-08	1.99E-08	7.14E-10	1.73E-08	1.21E-08	1.05E-08	3.13E-09	4.37E-08
489059.59, 3858797.27	0.01665	6.072E-05	2.10E-08	6.35E-08	5.01E-08	4.34E-08	1.95E-08	7.02E-10	1.70E-08	1.19E-08	1.03E-08	3.08E-09	4.29E-08
488997.52, 3858740.04	0.01629	5.94E-05	2.06E-08	6.21E-08	4.90E-08	4.24E-08	1.91E-08	6.87E-10	1.66E-08	1.17E-08	1.01E-08	3.01E-09	4.20E-08
488935.44, 3858682.82	0.01615	5.889E-05	2.04E-08	6.16E-08	4.86E-08	4.21E-08	1.89E-08	6.81E-10	1.64E-08	1.16E-08	1.00E-08	2.98E-09	4.17E-08
488869.17, 3858848.43	0.0177	6.455E-05	2.23E-08	6.75E-08	5.33E-08	4.61E-08	2.07E-08	7.46E-10	1.80E-08	1.27E-08	1.10E-08	3.27E-09	4.57E-08
488932.48, 3858892.69	0.01807	6.59E-05	2.28E-08	6.89E-08	5.44E-08	4.71E-08	2.12E-08	7.62E-10	1.84E-08	1.29E-08	1.12E-08	3.34E-09	4.66E-08
489063.27, 3858977.17	0.01837	6.699E-05	2.32E-08	7.00E-08	5.53E-08	4.79E-08	2.15E-08	7.74E-10	1.87E-08	1.31E-08	1.14E-08	3.39E-09	4.74E-08
489248.2, 3859117.15	0.01936	7.06E-05	2.44E-08	7.38E-08	5.83E-08	5.04E-08	2.27E-08	8.16E-10	1.97E-08	1.38E-08	1.20E-08	3.58E-09	4.99E-08
489296.25, 3859049.22	0.01857	6.772E-05	2.34E-08	7.08E-08	5.59E-08	4.84E-08	2.18E-08	7.83E-10	1.89E-08	1.33E-08	1.15E-08	3.43E-09	4.79E-08
489353.38, 3858993.96	0.01773	6.466E-05	2.24E-08	6.76E-08	5.34E-08	4.62E-08	2.08E-08	7.47E-10	1.81E-08	1.27E-08	1.10E-08	3.28E-09	4.57E-08
489537.24, 3859120.22	0.01857	6.772E-05	2.34E-08	7.08E-08	5.59E-08	4.84E-08	2.18E-08	7.83E-10	1.89E-08	1.33E-08	1.15E-08	3.43E-09	4.79E-08
489726.98, 3859246.04	0.02012	7.337E-05	2.54E-08	7.67E-08	6.06E-08	5.24E-08	2.36E-08	8.48E-10	2.05E-08	1.44E-08	1.25E-08	3.72E-09	5.19E-08
489911.46, 3859366.33	0.02109	7.691E-05	2.66E-08	8.04E-08	6.35E-08	5.49E-08	2.47E-08	8.89E-10	2.15E-08	1.51E-08	1.31E-08	3.90E-09	5.44E-08
490035.3, 3859430.26	0.02326	8.482E-05	2.94E-08	8.87E-08	7.00E-08	6.06E-08	2.72E-08	9.80E-10	2.37E-08	1.66E-08	1.44E-08	4.30E-09	6.00E-08
490101.11, 3859458.61	0.02376	8.664E-05	3.00E-08	9.06E-08	7.15E-08	6.19E-08	2.78E-08	1.00E-09	2.42E-08	1.70E-08	1.47E-08	4.39E-09	6.13E-08
490312.68, 3859560.3	0.02576	9.394E-05	3.25E-08	9.82E-08	7.76E-08	6.71E-08	3.02E-08	1.09E-09	2.62E-08	1.84E-08	1.59E-08	4.76E-09	6.64E-08
490401.63, 3859603.12	0.02632	9.598E-05	3.32E-08	1.00E-07	7.92E-08	6.86E-08	3.08E-08	1.11E-09	2.68E-08	1.88E-08	1.63E-08	4.86E-09	6.79E-08
490490.57, 3859645.94	0.02672	9.744E-05	3.37E-08	1.02E-07	8.04E-08	6.96E-08	3.13E-08	1.13E-09	2.72E-08	1.91E-08	1.65E-08	4.94E-09	6.89E-08
490579.51, 3859688.76	0.02674	9.751E-05	3.38E-08	1.02E-07	8.05E-08	6.97E-08	3.13E-08	1.13E-09	2.72E-08	1.91E-08	1.66E-08	4.94E-09	6.90E-08
490668.45, 3859731.58	0.02596	9.467E-05	3.28E-08	9.89E-08	7.82E-08	6.76E-08	3.04E-08	1.09E-09	2.64E-08	1.86E-08	1.61E-08	4.80E-09	6.70E-08
490757.4, 3859774.4	0.02728	9.948E-05	3.44E-08	1.04E-07	8.21E-08	7.11E-08	3.20E-08	1.15E-09	2.78E-08	1.95E-08	1.69E-08	5.04E-09	7.04E-08
491003.53, 3859861.82	0.02755	0.0001005	3.48E-08	1.05E-07	8.29E-08	7.18E-08	3.23E-08	1.16E-09	2.81E-08	1.97E-08	1.71E-08	5.09E-09	7.11E-08
491081.41, 3859879.05	0.02862	0.0001044	3.61E-08	1.09E-07	8.62E-08	7.46E-08	3.35E-08	1.21E-09	2.91E-08	2.05E-08	1.77E-08	5.29E-09	7.38E-08
491229.76, 3859917.82	0.03149	0.0001148	3.98E-08	1.20E-07	9.48E-08	8.20E-08	3.69E-08	1.33E-09	3.21E-08	2.25E-08	1.95E-08	5.82E-09	8.12E-08
491300.22, 3859939.35	0.0338	0.0001233	4.27E-08	1.29E-07	1.02E-07	8.81E-08	3.96E-08	1.42E-09	3.44E-08	2.42E-08	2.09E-08	6.25E-09	8.72E-08
491350.48, 3860012.03	0.04134	0.0001508	5.22E-08	1.58E-07	1.24E-07	1.08E-07	4.84E-08	1.74E-09	4.21E-08	2.96E-08	2.56E-08	7.64E-09	1.07E-07
491406.82, 3860092.56	0.04891	0.0001784	6.17E-08	1.86E-07	1.47E-07	1.27E-07	5.73E-08	2.06E-09	4.98E-08	3.50E-08	3.03E-08	9.04E-09	1.26E-07
491483.36, 3860121.96	0.04955	0.0001807	6.25E-08	1.89E-07	1.49E-07	1.29E-07	5.80E-08	2.09E-09	5.05E-08	3.54E-08	3.07E-08	9.16E-09	1.28E-07
491559.91, 3860151.35	0.05194	0.0001894	6.56E-08	1.98E-07	1.56E-07	1.35E-07	6.08E-08	2.19E-09	5.29E-08	3.72E-08	3.21E-08	9.60E-09	1.34E-07
491711.81, 3860237.76	0.04065	0.0001482	5.13E-08	1.55E-07	1.22E-07	1.06E-07	4.76E-08	1.71E-09	4.14E-08	2.91E-08	2.52E-08	7.51E-09	1.05E-07
491755.2, 3860319.07	0.06928	0.0002526	8.75E-08	2.64E-07	2.09E-07	1.80E-07	8.12E-08	2.92E-09	7.05E-08	4.96E-08	4.29E-08	1.28E-08	1.79E-07
491704.71, 3860366.54	0.06905	0.0002518	8.72E-08	2.63E-07	2.08E-07	1.80E-07	8.09E-08	2.91E-09	7.03E-08	4.94E-08	4.27E-08	1.28E-08	1.78E-07
491623.42, 3860462.39	0.0706	0.0002575	8.91E-08	2.69E-07	2.13E-07	1.84E-07	8.27E-08	2.98E-09	7.19E-08	5.05E-08	4.37E-08	1.30E-08	1.82E-07
491534.02, 3860439.84	0.04399	0.0001604	5.55E-08	1.68E-07	1.32E-07	1.15E-07	5.15E-08	1.85E-09	4.48E-08	3.15E-08	2.72E-08	8.13E-09	1.13E-07
491313.95, 3860268.17	0.06057	0.0002209	7.65E-08	2.31E-07	1.82E-07	1.58E-07	7.10E-08	2.55E-09	6.17E-08	4.33E-08	3.75E-08	1.12E-08	1.56E-07
491187.12, 3860143.56	0.04999	0.0001823	6.31E-08	1.91E-07	1.51E-07	1.30E-07	5.86E-08	2.11E-09	5.09E-08	3.58E-08	3.09E-08	9.24E-09	1.29E-07
491070.43, 3860075.97	0.04334	0.000158	5.47E-08	1.65E-07	1.30E-07	1.13E-07	5.08E-08	1.83E-09	4.41E-08	3.10E-08	2.68E-08	8.01E-09	1.12E-07
490995.09, 3860039.38	0.04093	0.0001493	5.17E-08	1.56E-07	1.23E-07	1.07E-07	4.79E-08	1.73E-09	4.17E-08	2.93E-08	2.53E-08	7.56E-09	1.06E-07
490919.75, 3860002.8	0.03956	0.0001443	4.99E-08	1.51E-07	1.19E-07	1.03E-07	4.63E-08	1.67E-09	4.03E-08	2.83E-08	2.45E-08	7.31E-09	1.02E-07
490756.81, 3859894.53	0.03269	0.0001192	4.13E-08	1.25E-07	9.84E-08	8.52E-08	3.83E-08	1.38E-09	3.33E-08	2.34E-08	2.02E-08	6.04E-09	8.43E-08
490668.07, 3859860.92	0.03291	0.00012	4.15E-08	1.25E-07	9.91E-08	8.57E-08	3.86E-08	1.39E-09	3.35E-08	2.35E-08	2.04E-08	6.08E-09	8.49E-08
490579.34, 3859827.3	0.03192	0.0001164	4.03E-08	1.22E-07	9.61E-08	8.32E-08	3.74E-08	1.35E-09	3.25E-08	2.28E-08	1.98E-08	5.90E-09	8.23E-08
490490.6, 3859793.68	0.03214	0.0001172	4.06E-08	1.23E-07	9.68E-08	8.37E-08	3.76E-08	1.35E-09	3.27E-08	2.30E-08	1.99E-08	5.94E-09	8.29E-08
490401.86, 3859760.07	0.03201	0.0001167	4.04E-08	1.22E-07	9.64E-08	8.34E-08	3.75E-08	1.35E-09	3.26E-08	2.29E-08	1.98E-08	5.91E-09	8.26E-08
490313.12, 3859726.45	0.03114	0.0001136	3.93E-08	1.19E-07	9.38E-08	8.11E-08	3.65E-08	1.31E-09	3.17E-08	2.23E-08	1.93E-08	5.75E-09	8.03E-08
490224.39, 3859692.83	0.02999	0.0001094	3.79E-08	1.14E-07	9.03E-08	7.81E-08	3.51E-08	1.26E-09	3.05E-08	2.15E-08	1.86E-08	5.54E-09	7.74E-08
490135.65, 3859659.22	0.02846	0.0001038	3.59E-08	1.08E-07	8.57E-08	7.41E-08	3.33E-08	1.20E-09	2.90E-08	2.04E-08	1.76E-08	5.26E-09	7.34E-08
489918.18, 3859559.23	0.02536	9.248E-05	3.20E-08	9.67E-08	7.64E-08	6.61E-08	2.97E-08	1.07E-09	2.58E-08	1.81E-08	1.57E-08	4.69E-09	6.54E-08
489743.61, 3859486	0.02402	8.759E-05	3.03E-08	9.16E-08	7.23E-08	6.26E-08	2.81E-08	1.01E-09	2.45E-08	1.72E-08	1.49E-08	4.44E-09	6.20E-08
489660.32, 3859440.27	0.02348	8.562E-05	2.96E-08	8.95E-08	7.07E-08	6.12E-08	2.75E-08	9.90E-10	2.39E-08	1.68E-08	1.45E-08	4.34E-09	6.06E-08
489577.04, 3859394.53	0.02287	8.34E-05	2.89E-08	8.72E-08	6.89E-08	5.96E-08	2.68E-08	9.64E-10	2.33E-08	1.64E-08	1.42E-08	4.23E-09	5.90E-08
489493.75, 3859348.8	0.02245	8.187E-05	2.83E-08	8.56E-08	6.76E-08	5.85E-08	2.63E-08	9.46E-10	2.29E-08	1.61E-08	1.39E-08	4.15E-09	5.79E-08
489321.28, 3859240.02	0.02126	7.753E-05	2.68E-08	8.10E-08	6.40E-08	5.54E-08	2.49E-08	8.96E-10	2.16E-08	1.52E-08	1.32E-08	3.93E-09	5.48E-08
489235.41, 3859193.96	0.02047	7.465E-05	2.58E-08	7.80E-08	6.16E-08	5.33E-08	2.40E-08	8.63E-10	2.08E-08	1.46E-08	1.27E-08	3.78E-09	5.28E-08
489149.54, 3859147.89	0.02059	7.508E-05	2.60E-08	7.85E-08	6.20E-08	5.36E-08	2.41E-08	8.68E-10	2.10E-08	1.47E-08	1.27E-08	3.80E-09	5.31E-08
489063.68, 3859101.82	0.02007	7.319E-05	2.53E-08	7.65E-08	6.04E-08	5.23E-08	2.35E-08	8.46E-10	2.04E-08	1.44E-08	1.24E-08	3.71E-09	5.18E-08
488977.81, 3859055.75	0.01951	7.115E-05	2.46E-08	7.44E-08	5.87E-08	5.08E-08	2.29E-08	8.22E-10	1.99E-08	1.40E-08	1.21E-08	3.60E-09	5.03E-08
488891.94, 3859009.69	0.01966	7.169E-05	2.48E-08	7.49E-08	5.92E-08	5.12E-08	2.30E-08	8.29E-10	2.00E-08	1.41E-08	1.22E-08	3.63E-09	5.07E-08
488808, 3859060.73	0.02046	7.461E-05	2.58E-08	7.80E-08	6.16E-08	5.33E-08	2.40E-08	8.62E-10	2.08E-08	1.46E-08	1.27E-08	3.78E-09	5.28E-08
488809.93, 3859157.85	0.02134	7.782E-05	2.69E-08	8.13E-08	6.42E-08	5.56E-08	2.50E-08	9.00E-10	2.17E-08	1.53E-08	1.32E-08	3.94E-09	5.50E-08
488811.85, 3859254.96	0.02169	7.91E-05	2.74E-08	8.27E-08	6.53E-08	5.65E-08	2.54E-08	9.14E-10	2.21E-08	1.55E-08	1.34E-08	4.01E-09	5.59E-08

488813.78, 3859352.07	0.02121	7.735E-05	2.68E-08	8.08E-08	6.39E-08	5.53E-08	2.48E-08	8.94E-10	2.16E-08	1.52E-08	1.31E-08	3.92E-09	5.47E-08
488815.71, 3859449.19	0.01986	7.242E-05	2.51E-08	7.57E-08	5.98E-08	5.17E-08	2.33E-08	8.37E-10	2.02E-08	1.42E-08	1.23E-08	3.67E-09	5.12E-08
488910.04, 3859547.1	0.01959	7.144E-05	2.47E-08	7.47E-08	5.90E-08	5.10E-08	2.29E-08	8.26E-10	1.99E-08	1.40E-08	1.21E-08	3.62E-09	5.05E-08
489002.45, 3859547.91	0.02023	7.377E-05	2.55E-08	7.71E-08	6.09E-08	5.27E-08	2.37E-08	8.53E-10	2.06E-08	1.45E-08	1.25E-08	3.74E-09	5.22E-08
489094.85, 3859548.71	0.02082	7.592E-05	2.63E-08	7.94E-08	6.27E-08	5.42E-08	2.44E-08	8.78E-10	2.12E-08	1.49E-08	1.29E-08	3.85E-09	5.37E-08
489230.05, 3859601.87	0.02148	7.833E-05	2.71E-08	8.19E-08	6.47E-08	5.60E-08	2.52E-08	9.05E-10	2.19E-08	1.54E-08	1.33E-08	3.97E-09	5.54E-08
489227.52, 3859680.89	0.02072	7.556E-05	2.62E-08	7.90E-08	6.24E-08	5.40E-08	2.43E-08	8.73E-10	2.11E-08	1.48E-08	1.28E-08	3.83E-09	5.34E-08
489133.47, 3859760.29	0.02053	7.487E-05	2.59E-08	7.83E-08	6.18E-08	5.35E-08	2.40E-08	8.65E-10	2.09E-08	1.47E-08	1.27E-08	3.79E-09	5.30E-08
489041.96, 3859760.67	0.0204	7.439E-05	2.58E-08	7.78E-08	6.14E-08	5.31E-08	2.39E-08	8.60E-10	2.08E-08	1.46E-08	1.26E-08	3.77E-09	5.26E-08
488950.45, 3859761.05	0.02042	7.446E-05	2.58E-08	7.78E-08	6.15E-08	5.32E-08	2.39E-08	8.61E-10	2.08E-08	1.46E-08	1.26E-08	3.77E-09	5.27E-08
488858.94, 3859761.43	0.0203	7.403E-05	2.56E-08	7.74E-08	6.11E-08	5.29E-08	2.38E-08	8.56E-10	2.07E-08	1.45E-08	1.26E-08	3.75E-09	5.24E-08
488767.43, 3859761.82	0.02055	7.494E-05	2.59E-08	7.83E-08	6.19E-08	5.35E-08	2.41E-08	8.66E-10	2.09E-08	1.47E-08	1.27E-08	3.80E-09	5.30E-08
488675.92, 3859762.2	0.02045	7.457E-05	2.58E-08	7.79E-08	6.16E-08	5.33E-08	2.40E-08	8.62E-10	2.08E-08	1.46E-08	1.27E-08	3.78E-09	5.28E-08
488584.41, 3859762.58	0.02059	7.508E-05	2.60E-08	7.85E-08	6.20E-08	5.36E-08	2.41E-08	8.68E-10	2.10E-08	1.47E-08	1.27E-08	3.80E-09	5.31E-08
488492.9, 3859762.96	0.02056	7.498E-05	2.60E-08	7.84E-08	6.19E-08	5.36E-08	2.41E-08	8.67E-10	2.09E-08	1.47E-08	1.27E-08	3.80E-09	5.30E-08
488402.76, 3859830.95	0.021	7.658E-05	2.65E-08	8.00E-08	6.32E-08	5.47E-08	2.46E-08	8.85E-10	2.14E-08	1.50E-08	1.30E-08	3.88E-09	5.42E-08
488404.14, 3859898.55	0.02182	7.957E-05	2.75E-08	8.32E-08	6.57E-08	5.68E-08	2.56E-08	9.20E-10	2.22E-08	1.56E-08	1.35E-08	4.03E-09	5.63E-08
488505.18, 3859964.96	0.02247	8.194E-05	2.84E-08	8.56E-08	6.77E-08	5.85E-08	2.63E-08	9.47E-10	2.29E-08	1.61E-08	1.39E-08	4.15E-09	5.80E-08
488604.84, 3859963.76	0.02262	8.249E-05	2.86E-08	8.62E-08	6.81E-08	5.89E-08	2.65E-08	9.54E-10	2.30E-08	1.62E-08	1.40E-08	4.18E-09	5.83E-08
488704.51, 3859962.56	0.02267	8.267E-05	2.86E-08	8.64E-08	6.83E-08	5.91E-08	2.66E-08	9.56E-10	2.31E-08	1.62E-08	1.40E-08	4.19E-09	5.85E-08
488804.18, 3859961.37	0.02265	8.26E-05	2.86E-08	8.63E-08	6.82E-08	5.90E-08	2.65E-08	9.55E-10	2.31E-08	1.62E-08	1.40E-08	4.19E-09	5.84E-08
488903.85, 3859960.17	0.02262	8.249E-05	2.86E-08	8.62E-08	6.81E-08	5.89E-08	2.65E-08	9.54E-10	2.30E-08	1.62E-08	1.40E-08	4.18E-09	5.83E-08
489003.52, 3859958.97	0.02278	8.307E-05	2.88E-08	8.68E-08	6.86E-08	5.93E-08	2.67E-08	9.60E-10	2.32E-08	1.63E-08	1.41E-08	4.21E-09	5.88E-08
489103.18, 3859957.77	0.02295	8.369E-05	2.90E-08	8.75E-08	6.91E-08	5.98E-08	2.69E-08	9.67E-10	2.34E-08	1.64E-08	1.42E-08	4.24E-09	5.92E-08
489201.48, 3860046.59	0.02401	8.756E-05	3.03E-08	9.15E-08	7.23E-08	6.25E-08	2.81E-08	1.01E-09	2.44E-08	1.72E-08	1.49E-08	4.44E-09	6.19E-08
489200.11, 3860136.61	0.02519	9.186E-05	3.18E-08	9.60E-08	7.58E-08	6.56E-08	2.95E-08	1.06E-09	2.56E-08	1.80E-08	1.56E-08	4.65E-09	6.50E-08
489198.74, 3860226.63	0.02602	9.489E-05	3.28E-08	9.92E-08	7.83E-08	6.78E-08	3.05E-08	1.10E-09	2.65E-08	1.86E-08	1.61E-08	4.81E-09	6.71E-08
489197.38, 3860316.66	0.0267	9.737E-05	3.37E-08	1.02E-07	8.04E-08	6.96E-08	3.13E-08	1.13E-09	2.72E-08	1.91E-08	1.65E-08	4.93E-09	6.89E-08
489196.01, 3860406.68	0.02683	9.784E-05	3.39E-08	1.02E-07	8.08E-08	6.99E-08	3.14E-08	1.13E-09	2.73E-08	1.92E-08	1.66E-08	4.96E-09	6.92E-08
489194.64, 3860496.7	0.02744	0.0001001	3.46E-08	1.05E-07	8.26E-08	7.15E-08	3.21E-08	1.16E-09	2.79E-08	1.96E-08	1.70E-08	5.07E-09	7.08E-08
489193.27, 3860586.72	0.02712	9.89E-05	3.42E-08	1.03E-07	8.17E-08	7.07E-08	3.18E-08	1.14E-09	2.76E-08	1.94E-08	1.68E-08	5.01E-09	7.00E-08
489092.02, 3860678.13	0.02616	9.54E-05	3.30E-08	9.97E-08	7.88E-08	6.81E-08	3.06E-08	1.10E-09	2.66E-08	1.87E-08	1.62E-08	4.83E-09	6.75E-08
488992.13, 3860679.53	0.0256	9.335E-05	3.23E-08	9.76E-08	7.71E-08	6.67E-08	3.00E-08	1.08E-09	2.61E-08	1.83E-08	1.58E-08	4.73E-09	6.60E-08
488892.24, 3860680.92	0.02486	9.066E-05	3.14E-08	9.48E-08	7.48E-08	6.48E-08	2.91E-08	1.05E-09	2.53E-08	1.78E-08	1.54E-08	4.59E-09	6.41E-08
488792.36, 3860682.31	0.0243	8.861E-05	3.07E-08	9.26E-08	7.32E-08	6.33E-08	2.85E-08	1.02E-09	2.47E-08	1.74E-08	1.50E-08	4.49E-09	6.27E-08
488692.48, 3860683.7	0.02355	8.588E-05	2.97E-08	8.98E-08	7.09E-08	6.14E-08	2.76E-08	9.93E-10	2.40E-08	1.68E-08	1.46E-08	4.35E-09	6.07E-08
488592.59, 3860685.09	0.02333	8.508E-05	2.95E-08	8.89E-08	7.02E-08	6.08E-08	2.73E-08	9.83E-10	2.38E-08	1.67E-08	1.44E-08	4.31E-09	6.02E-08
488492.71, 3860686.49	0.02226	8.117E-05	2.81E-08	8.48E-08	6.70E-08	5.80E-08	2.61E-08	9.38E-10	2.27E-08	1.59E-08	1.38E-08	4.11E-09	5.74E-08
488299.07, 3860762.18	0.01964	7.162E-05	2.48E-08	7.49E-08	5.91E-08	5.12E-08	2.30E-08	8.28E-10	2.00E-08	1.40E-08	1.22E-08	3.63E-09	5.07E-08
488205.32, 3860764.09	0.01996	7.279E-05	2.52E-08	7.61E-08	6.01E-08	5.20E-08	2.34E-08	8.41E-10	2.03E-08	1.43E-08	1.24E-08	3.69E-09	5.15E-08
488111.56, 3860766	0.02043	7.45E-05	2.58E-08	7.79E-08	6.15E-08	5.32E-08	2.39E-08	8.61E-10	2.08E-08	1.46E-08	1.26E-08	3.77E-09	5.27E-08
488017.81, 3860767.91	0.02075	7.567E-05	2.62E-08	7.91E-08	6.25E-08	5.41E-08	2.43E-08	8.75E-10	2.11E-08	1.48E-08	1.28E-08	3.83E-09	5.35E-08
487924.06, 3860769.81	0.02076	7.57E-05	2.62E-08	7.91E-08	6.25E-08	5.41E-08	2.43E-08	8.75E-10	2.11E-08	1.49E-08	1.28E-08	3.84E-09	5.35E-08
487830.31, 3860771.72	0.02061	7.516E-05	2.60E-08	7.86E-08	6.21E-08	5.37E-08	2.41E-08	8.69E-10	2.10E-08	1.47E-08	1.28E-08	3.81E-09	5.32E-08
487736.55, 3860773.63	0.02032	7.41E-05	2.57E-08	7.74E-08	6.12E-08	5.29E-08	2.38E-08	8.57E-10	2.07E-08	1.45E-08	1.26E-08	3.75E-09	5.24E-08
487642.8, 3860775.54	0.01985	7.239E-05	2.51E-08	7.57E-08	5.98E-08	5.17E-08	2.33E-08	8.37E-10	2.02E-08	1.42E-08	1.23E-08	3.67E-09	5.12E-08
487549.48, 3860684.71	0.01888	6.885E-05	2.38E-08	7.20E-08	5.68E-08	4.92E-08	2.21E-08	7.96E-10	1.92E-08	1.35E-08	1.17E-08	3.49E-09	4.87E-08
487549.91, 3860591.97	0.01886	6.878E-05	2.38E-08	7.19E-08	5.68E-08	4.91E-08	2.21E-08	7.95E-10	1.92E-08	1.35E-08	1.17E-08	3.48E-09	4.86E-08
487550.34, 3860499.23	0.01889	6.889E-05	2.38E-08	7.20E-08	5.69E-08	4.92E-08	2.21E-08	7.96E-10	1.92E-08	1.35E-08	1.17E-08	3.49E-09	4.87E-08
487550.76, 3860406.49	0.0192	7.002E-05	2.42E-08	7.32E-08	5.78E-08	5.00E-08	2.25E-08	8.09E-10	1.95E-08	1.37E-08	1.19E-08	3.55E-09	4.95E-08
487551.19, 3860313.75	0.01981	7.224E-05	2.50E-08	7.55E-08	5.96E-08	5.16E-08	2.32E-08	8.35E-10	2.02E-08	1.42E-08	1.23E-08	3.66E-09	5.11E-08
487551.62, 3860221.01	0.02019	7.363E-05	2.55E-08	7.70E-08	6.08E-08	5.26E-08	2.37E-08	8.51E-10	2.06E-08	1.44E-08	1.25E-08	3.73E-09	5.21E-08
487552.05, 3860128.27	0.02009	7.326E-05	2.54E-08	7.66E-08	6.05E-08	5.23E-08	2.35E-08	8.47E-10	2.05E-08	1.44E-08	1.24E-08	3.71E-09	5.18E-08
487552.48, 3860035.53	0.02001	7.297E-05	2.53E-08	7.63E-08	6.02E-08	5.21E-08	2.34E-08	8.43E-10	2.04E-08	1.43E-08	1.24E-08	3.70E-09	5.16E-08
487552.91, 3859942.79	0.02024	7.381E-05	2.55E-08	7.71E-08	6.09E-08	5.27E-08	2.37E-08	8.53E-10	2.06E-08	1.45E-08	1.25E-08	3.74E-09	5.22E-08
487553.33, 3859850.05	0.01973	7.195E-05	2.49E-08	7.52E-08	5.94E-08	5.14E-08	2.31E-08	8.32E-10	2.01E-08	1.41E-08	1.22E-08	3.65E-09	5.09E-08
487553.76, 3859757.31	0.01932	7.045E-05	2.44E-08	7.36E-08	5.82E-08	5.03E-08	2.26E-08	8.14E-10	1.97E-08	1.38E-08	1.20E-08	3.57E-09	4.98E-08
487554.19, 3859664.57	0.01884	6.87E-05	2.38E-08	7.18E-08	5.67E-08	4.91E-08	2.21E-08	7.94E-10	1.92E-08	1.35E-08	1.17E-08	3.48E-09	4.86E-08
487460.2, 3859571.05	0.01826	6.659E-05	2.31E-08	6.96E-08	5.50E-08	4.76E-08	2.14E-08	7.70E-10	1.86E-08	1.31E-08	1.13E-08	3.37E-09	4.71E-08
487365.78, 3859570.27	0.01803	6.575E-05	2.28E-08	6.87E-08	5.43E-08	4.70E-08	2.11E-08	7.60E-10	1.84E-08	1.29E-08	1.12E-08	3.33E-09	4.65E-08
487271.36, 3859569.48	0.01785	6.509E-05	2.25E-08	6.80E-08	5.37E-08	4.65E-08	2.09E-08	7.52E-10	1.82E-08	1.28E-08	1.10E-08	3.30E-09	4.60E-08
487176.94, 3859568.7	0.01767	6.444E-05	2.23E-08	6.73E-08	5.32E-08	4.60E-08	2.07E-08	7.45E-10	1.80E-08	1.26E-08	1.09E-08	3.26E-09	4.56E-08
487082.51, 3859567.92	0.01744	6.36E-05	2.20E-08	6.65E-08	5.25E-08	4.54E-08	2.04E-08	7.35E-10	1.78E-08	1.25E-08	1.08E-08	3.22E-09	4.50E-08
486988.09, 3859567.14	0.01724	6.287E-05	2.18E-08	6.57E-08	5.19E-08	4.49E-08	2.02E-08	7.27E-10	1.76E-08	1.23E-08	1.07E-08	3.19E-09	4.45E-08
486893.67, 3859566.36	0.01704	6.214E-05	2.15E-08	6.49E-08	5.13E-08	4.44E-08	2.00E-08	7.18E-10	1.74E-08	1.22E-08	1.05E-08	3.15E-09	4.40E-08
486799.25, 3859565.58	0.01686	6.148E-05	2.13E-08	6.43E-08	5.08E-08	4.39E-08	1.98E-08	7.11E-10	1.72E-08	1.21E-08	1.04E-08	3.12E-09	4.35E-08
486704.83, 3859564.79	0.01667	6.079E-05	2.10E-08	6.35E-08	5.02E-08	4.34E-08	1.95E-08	7.03E-10	1.70E-08	1.19E-08	1.03E-08	3.08E-09	4.30E-08
486610.41, 3859564.01	0.01647	6.006E-05	2.08E-08	6.28E-08	4.96E-08	4.29E-08	1.93E-08	6.94E-10	1.68E-08	1.18E-08	1.02E-08	3.04E-09	4.25E-08
486515.99, 3859563.23	0.01637	5.97E-05	2.07E-08	6.24E-08	4.93E-08	4.26E-08	1.92E-08	6.90E-10	1.67E-08	1.17E-08	1.01E-08	3.02E-09	4.22E-08
486421.57, 3859562.45	0.0162	5.908E-05	2.05E-08	6.17E-08	4.88E-08	4.22E-08	1.90E-08	6.83E-10	1.65E-08	1.16E-08	1.00E-08	2.99E-09	4.18E-08
486327.14, 3859561.67	0.01595	5.816E-05	2.01E-08	6.08E-08	4.80E-08	4.16E-08	1.87E-08	6.72E-10	1.62E-08	1.14E-08	9.87E-09	2.95E-09	4.11E-08
486232.72, 3859560.89	0.01581	5.765E-05	2.00E-08	6.03E-08	4.76E-08	4.12E-08	1.85E-08	6.66E-10	1.61E-08	1.13E-08	9.79E-09	2.92E-09	4.08E-08
486138.3, 3859560.1	0.01561	5.692E-05	1.97E-08	5.95E-08	4.70E-08	4.07E-08	1.83E-08	6.58E-10	1.59E-08	1.12E-08	9.66E-09	2.88E-09	4.03E-08
486043.88, 3859559.32	0.01542	5.623E-05	1.95E-08	5.88E-08	4.64E-08	4.02E-08	1.81E-08	6.50E-10	1.57E-08	1.10E-08	9.54E-09	2.85E-09	3.98E-08
485949.35, 3859463.54	0.015	5.47E-05	1.89E-08	5.72E-08	4.52E-08	3.91E-08	1.76E-08	6.32E-10	1.53E-08	1.07E-08	9.28E-09	2.77E-09	3.87E-08
485949.24, 3859368.55	0.01466	5.346E-05	1.85E-08	5.59E-08	4.41E-08	3.82E-08	1.72E-08	6.18E-10	1.49E-08	1.05E-08	9.07E-09	2.71E-09	3.78E-08
485949.12, 3859273.55	0.01424	5.193E-05	1.80E-08	5.43E-08	4.29E-08	3.71E-08	1.67E-08	6.00E-10	1.45E-08	1.02E-08	8.81E-09	2.63E-09	3.67E-08
485949.01, 3859178.56	0.01386	5.054E-05	1.75E-08	5.28E-08	4.17E-08	3.61E-08	1.62E-08	5.84E-10	1.41E-08	9.91E-09	8.58E-09	2.56E-09	3.58E-08
485948.9, 3859083.56	0.01344	4.901E-05	1.70E-08	5.12E-08	4.05E-08	3.50E-08	1.57E-08	5.67E-10	1.37E-08	9.61E-09	8.32E-09	2.48E-09	3.47E-08
485948.79, 3858988.56	0.01312	4.784E-05	1.66E-08	5.00E-08	3.95E-08	3.42E-08	1.54E-08	5.53E-10	1.34E-08	9.39E-09	8.12E-09	2.42E-09	3.38E-08

485948.67, 3858893.57	0.01275	4.649E-05	1.61E-08	4.86E-08	3.84E-08	3.32E-08	1.49E-08	5.37E-10	1.30E-08	9.12E-09	7.89E-09	2.36E-09	3.29E-08
485948.56, 3858798.57	0.01212	4.42E-05	1.53E-08	4.62E-08	3.65E-08	3.16E-08	1.42E-08	5.11E-10	1.23E-08	8.67E-09	7.50E-09	2.24E-09	3.13E-08
485948.45, 3858703.58	0.01179	4.299E-05	1.49E-08	4.49E-08	3.55E-08	3.07E-08	1.38E-08	4.97E-10	1.20E-08	8.43E-09	7.30E-09	2.18E-09	3.04E-08
485948.34, 3858608.58	0.01156	4.216E-05	1.46E-08	4.41E-08	3.48E-08	3.01E-08	1.35E-08	4.87E-10	1.18E-08	8.27E-09	7.16E-09	2.14E-09	2.98E-08
485948.22, 3858513.59	0.01182	4.31E-05	1.49E-08	4.51E-08	3.56E-08	3.08E-08	1.38E-08	4.98E-10	1.20E-08	8.46E-09	7.32E-09	2.18E-09	3.05E-08
485948.11, 3858418.59	0.01257	4.584E-05	1.59E-08	4.79E-08	3.78E-08	3.27E-08	1.47E-08	5.30E-10	1.28E-08	8.99E-09	7.78E-09	2.32E-09	3.24E-08
485948, 3858323.59	0.01336	4.872E-05	1.69E-08	5.09E-08	4.02E-08	3.48E-08	1.57E-08	5.63E-10	1.36E-08	9.56E-09	8.27E-09	2.47E-09	3.45E-08
485947.89, 3858228.6	0.01422	5.186E-05	1.80E-08	5.42E-08	4.28E-08	3.70E-08	1.67E-08	5.99E-10	1.45E-08	1.02E-08	8.80E-09	2.63E-09	3.67E-08
485947.77, 3858133.6	0.01478	5.39E-05	1.87E-08	5.63E-08	4.45E-08	3.85E-08	1.73E-08	6.23E-10	1.50E-08	1.06E-08	9.15E-09	2.73E-09	3.81E-08
485947.66, 3858038.61	0.01464	5.339E-05	1.85E-08	5.58E-08	4.41E-08	3.81E-08	1.71E-08	6.17E-10	1.49E-08	1.05E-08	9.06E-09	2.71E-09	3.78E-08
485854.54, 3857943.35	0.01449	5.284E-05	1.83E-08	5.52E-08	4.36E-08	3.77E-08	1.70E-08	6.11E-10	1.48E-08	1.04E-08	8.97E-09	2.68E-09	3.74E-08
485761.52, 3857943.09	0.01441	5.255E-05	1.82E-08	5.49E-08	4.34E-08	3.75E-08	1.69E-08	6.07E-10	1.47E-08	1.03E-08	8.92E-09	2.66E-09	3.72E-08
485668.51, 3857942.83	0.01418	5.171E-05	1.79E-08	5.40E-08	4.27E-08	3.69E-08	1.66E-08	5.98E-10	1.44E-08	1.01E-08	8.78E-09	2.62E-09	3.66E-08
485575.5, 3857942.56	0.01402	5.113E-05	1.77E-08	5.34E-08	4.22E-08	3.65E-08	1.64E-08	5.91E-10	1.43E-08	1.00E-08	8.68E-09	2.59E-09	3.62E-08
485482.48, 3857942.3	0.01371	5E-05	1.73E-08	5.23E-08	4.13E-08	3.57E-08	1.61E-08	5.78E-10	1.40E-08	9.81E-09	8.49E-09	2.53E-09	3.54E-08
485389.47, 3857942.04	0.01336	4.872E-05	1.69E-08	5.09E-08	4.02E-08	3.48E-08	1.57E-08	5.63E-10	1.36E-08	9.56E-09	8.27E-09	2.47E-09	3.45E-08
485296.46, 3857941.78	0.01298	4.733E-05	1.64E-08	4.95E-08	3.91E-08	3.38E-08	1.52E-08	5.47E-10	1.32E-08	9.29E-09	8.03E-09	2.40E-09	3.35E-08
485203.45, 3857941.52	0.01247	4.547E-05	1.57E-08	4.75E-08	3.75E-08	3.25E-08	1.46E-08	5.26E-10	1.27E-08	8.92E-09	7.72E-09	2.30E-09	3.22E-08
485110.43, 3857941.26	0.01206	4.398E-05	1.52E-08	4.60E-08	3.63E-08	3.14E-08	1.41E-08	5.08E-10	1.23E-08	8.63E-09	7.46E-09	2.23E-09	3.11E-08
485017.42, 3857940.99	0.01168	4.259E-05	1.47E-08	4.45E-08	3.52E-08	3.04E-08	1.37E-08	4.92E-10	1.19E-08	8.36E-09	7.23E-09	2.16E-09	3.01E-08
484924.41, 3857940.73	0.01128	4.113E-05	1.42E-08	4.30E-08	3.40E-08	2.94E-08	1.32E-08	4.75E-10	1.15E-08	8.07E-09	6.98E-09	2.08E-09	2.91E-08
484831.39, 3857940.47	0.01083	3.949E-05	1.37E-08	4.13E-08	3.26E-08	2.82E-08	1.27E-08	4.57E-10	1.10E-08	7.75E-09	6.70E-09	2.00E-09	2.79E-08
484738.12, 3857859.3	0.01107	4.037E-05	1.40E-08	4.22E-08	3.33E-08	2.88E-08	1.30E-08	4.67E-10	1.13E-08	7.92E-09	6.85E-09	2.05E-09	2.86E-08
484737.85, 3857778.4	0.0116	4.23E-05	1.46E-08	4.42E-08	3.49E-08	3.02E-08	1.36E-08	4.89E-10	1.18E-08	8.30E-09	7.18E-09	2.14E-09	2.99E-08
484737.59, 3857697.49	0.01201	4.38E-05	1.52E-08	4.58E-08	3.62E-08	3.13E-08	1.41E-08	5.06E-10	1.22E-08	8.59E-09	7.43E-09	2.22E-09	3.10E-08
484737.32, 3857616.59	0.01228	4.478E-05	1.55E-08	4.68E-08	3.70E-08	3.20E-08	1.44E-08	5.18E-10	1.25E-08	8.78E-09	7.60E-09	2.27E-09	3.17E-08
484645.53, 3857535.18	0.01212	4.42E-05	1.53E-08	4.62E-08	3.65E-08	3.16E-08	1.42E-08	5.11E-10	1.23E-08	8.67E-09	7.50E-09	2.24E-09	3.13E-08
484553.99, 3857534.67	0.01197	4.365E-05	1.51E-08	4.56E-08	3.60E-08	3.12E-08	1.40E-08	5.05E-10	1.22E-08	8.56E-09	7.41E-09	2.21E-09	3.09E-08
484462.46, 3857534.17	0.01172	4.274E-05	1.48E-08	4.47E-08	3.53E-08	3.05E-08	1.37E-08	4.94E-10	1.19E-08	8.38E-09	7.25E-09	2.17E-09	3.02E-08
484370.93, 3857533.66	0.01146	4.179E-05	1.45E-08	4.37E-08	3.45E-08	2.99E-08	1.34E-08	4.83E-10	1.17E-08	8.20E-09	7.09E-09	2.12E-09	2.96E-08
484279.4, 3857533.16	0.01114	4.062E-05	1.41E-08	4.25E-08	3.35E-08	2.90E-08	1.30E-08	4.70E-10	1.13E-08	7.97E-09	6.90E-09	2.06E-09	2.87E-08
484187.86, 3857532.65	0.01083	3.949E-05	1.37E-08	4.13E-08	3.26E-08	2.82E-08	1.27E-08	4.57E-10	1.10E-08	7.75E-09	6.70E-09	2.00E-09	2.79E-08
484096.33, 3857532.15	0.01045	3.811E-05	1.32E-08	3.98E-08	3.15E-08	2.72E-08	1.22E-08	4.41E-10	1.06E-08	7.48E-09	6.47E-09	1.93E-09	2.70E-08
484004.8, 3857531.64	0.01012	3.69E-05	1.28E-08	3.86E-08	3.05E-08	2.64E-08	1.19E-08	4.27E-10	1.03E-08	7.24E-09	6.26E-09	1.87E-09	2.61E-08
483913.27, 3857531.14	0.00985	3.592E-05	1.24E-08	3.75E-08	2.97E-08	2.57E-08	1.15E-08	4.15E-10	1.00E-08	7.05E-09	6.10E-09	1.82E-09	2.54E-08
483821.73, 3857530.63	0.00951	3.468E-05	1.20E-08	3.62E-08	2.86E-08	2.48E-08	1.11E-08	4.01E-10	9.68E-09	6.80E-09	5.89E-09	1.76E-09	2.45E-08
483729.61, 3857450.11	0.00969	3.534E-05	1.22E-08	3.69E-08	2.92E-08	2.52E-08	1.14E-08	4.08E-10	9.87E-09	6.93E-09	6.00E-09	1.79E-09	2.50E-08
483729.03, 3857370.08	0.01005	3.665E-05	1.27E-08	3.83E-08	3.03E-08	2.62E-08	1.18E-08	4.24E-10	1.02E-08	7.19E-09	6.22E-09	1.86E-09	2.59E-08
483728.44, 3857290.06	0.01038	3.785E-05	1.31E-08	3.96E-08	3.13E-08	2.70E-08	1.22E-08	4.38E-10	1.06E-08	7.43E-09	6.42E-09	1.92E-09	2.68E-08
483727.86, 3857210.03	0.01057	3.855E-05	1.33E-08	4.03E-08	3.18E-08	2.75E-08	1.24E-08	4.46E-10	1.08E-08	7.56E-09	6.54E-09	1.95E-09	2.73E-08
483641.15, 3857129.07	0.01043	3.803E-05	1.32E-08	3.98E-08	3.14E-08	2.72E-08	1.22E-08	4.40E-10	1.06E-08	7.46E-09	6.46E-09	1.93E-09	2.69E-08
483555.03, 3857128.14	0.0103	3.756E-05	1.30E-08	3.93E-08	3.10E-08	2.68E-08	1.21E-08	4.34E-10	1.05E-08	7.37E-09	6.38E-09	1.90E-09	2.66E-08
483468.91, 3857127.2	0.01026	3.741E-05	1.30E-08	3.91E-08	3.09E-08	2.67E-08	1.20E-08	4.32E-10	1.04E-08	7.34E-09	6.35E-09	1.90E-09	2.65E-08
483382.78, 3857126.26	0.01001	3.65E-05	1.26E-08	3.82E-08	3.01E-08	2.61E-08	1.17E-08	4.22E-10	1.02E-08	7.16E-09	6.20E-09	1.85E-09	2.58E-08
483296.66, 3857125.32	0.00982	3.581E-05	1.24E-08	3.74E-08	2.96E-08	2.56E-08	1.15E-08	4.14E-10	1.00E-08	7.02E-09	6.08E-09	1.81E-09	2.53E-08
483210.54, 3857124.39	0.00965	3.519E-05	1.22E-08	3.68E-08	2.91E-08	2.51E-08	1.13E-08	4.07E-10	9.83E-09	6.90E-09	5.97E-09	1.78E-09	2.49E-08
483123.4, 3857030.96	0.00974	3.552E-05	1.23E-08	3.71E-08	2.93E-08	2.54E-08	1.14E-08	4.11E-10	9.92E-09	6.97E-09	6.03E-09	1.80E-09	2.51E-08
483122.38, 3856938.46	0.00979	3.57E-05	1.24E-08	3.73E-08	2.95E-08	2.55E-08	1.15E-08	4.13E-10	9.97E-09	7.00E-09	6.06E-09	1.81E-09	2.53E-08
483121.35, 3856845.97	0.00963	3.512E-05	1.22E-08	3.67E-08	2.90E-08	2.51E-08	1.13E-08	4.06E-10	9.81E-09	6.89E-09	5.96E-09	1.78E-09	2.48E-08
483120.33, 3856753.47	0.00945	3.446E-05	1.19E-08	3.60E-08	2.85E-08	2.46E-08	1.11E-08	3.98E-10	9.62E-09	6.76E-09	5.85E-09	1.75E-09	2.44E-08
483119.31, 3856660.98	0.00913	3.329E-05	1.15E-08	3.48E-08	2.75E-08	2.38E-08	1.07E-08	3.85E-10	9.30E-09	6.53E-09	5.65E-09	1.69E-09	2.36E-08
483118.29, 3856568.49	0.00868	3.165E-05	1.10E-08	3.31E-08	2.61E-08	2.26E-08	1.02E-08	3.66E-10	8.84E-09	6.21E-09	5.37E-09	1.60E-09	2.24E-08
483117.26, 3856475.99	0.00818	2.983E-05	1.03E-08	3.12E-08	2.46E-08	2.13E-08	9.58E-09	3.45E-10	8.33E-09	5.85E-09	5.06E-09	1.51E-09	2.11E-08
483116.24, 3856383.5	0.00776	2.83E-05	9.80E-09	2.96E-08	2.34E-08	2.02E-08	9.09E-09	3.27E-10	7.90E-09	5.55E-09	4.80E-09	1.43E-09	2.00E-08
483115.22, 3856291.01	0.0074	2.699E-05	9.34E-09	2.82E-08	2.23E-08	1.93E-08	8.67E-09	3.12E-10	7.53E-09	5.29E-09	4.58E-09	1.37E-09	1.91E-08
483114.2, 3856198.51	0.00719	2.622E-05	9.08E-09	2.74E-08	2.16E-08	1.87E-08	8.42E-09	3.03E-10	7.32E-09	5.14E-09	4.45E-09	1.33E-09	1.85E-08
483113.17, 3856106.02	0.0069	2.516E-05	8.71E-09	2.63E-08	2.08E-08	1.80E-08	8.08E-09	2.91E-10	7.03E-09	4.94E-09	4.27E-09	1.27E-09	1.78E-08
483112.15, 3856013.52	0.00682	2.487E-05	8.61E-09	2.60E-08	2.05E-08	1.78E-08	7.99E-09	2.87E-10	6.94E-09	4.88E-09	4.22E-09	1.26E-09	1.76E-08
483029.25, 3855920.47	0.00664	2.421E-05	8.38E-09	2.53E-08	2.00E-08	1.73E-08	7.78E-09	2.80E-10	6.76E-09	4.75E-09	4.11E-09	1.23E-09	1.71E-08
482947.37, 3855919.91	0.00659	2.403E-05	8.32E-09	2.51E-08	1.98E-08	1.72E-08	7.72E-09	2.78E-10	6.71E-09	4.71E-09	4.08E-09	1.22E-09	1.70E-08
482865.49, 3855919.36	0.00658	2.4E-05	8.31E-09	2.51E-08	1.98E-08	1.71E-08	7.71E-09	2.77E-10	6.70E-09	4.71E-09	4.07E-09	1.22E-09	1.70E-08
482783.61, 3855918.8	0.0065	2.37E-05	8.21E-09	2.48E-08	1.96E-08	1.69E-08	7.61E-09	2.74E-10	6.62E-09	4.65E-09	4.02E-09	1.20E-09	1.68E-08
482700.33, 3855818.39	0.00638	2.327E-05	8.05E-09	2.43E-08	1.92E-08	1.66E-08	7.47E-09	2.69E-10	6.50E-09	4.56E-09	3.95E-09	1.18E-09	1.65E-08
482698.92, 3855718.54	0.00627	2.286E-05	7.91E-09	2.39E-08	1.89E-08	1.63E-08	7.34E-09	2.64E-10	6.38E-09	4.49E-09	3.88E-09	1.16E-09	1.62E-08
482697.52, 3855618.68	0.00629	2.294E-05	7.94E-09	2.40E-08	1.89E-08	1.64E-08	7.37E-09	2.65E-10	6.40E-09	4.50E-09	3.89E-09	1.16E-09	1.62E-08
482696.11, 3855518.83	0.00621	2.265E-05	7.84E-09	2.37E-08	1.87E-08	1.62E-08	7.27E-09	2.62E-10	6.32E-09	4.44E-09	3.84E-09	1.15E-09	1.60E-08
482694.71, 3855418.98	0.00624	2.276E-05	7.88E-09	2.38E-08	1.88E-08	1.63E-08	7.31E-09	2.63E-10	6.35E-09	4.46E-09	3.86E-09	1.15E-09	1.61E-08
482693.3, 3855319.13	0.00624	2.276E-05	7.88E-09	2.38E-08	1.88E-08	1.63E-08	7.31E-09	2.63E-10	6.35E-09	4.46E-09	3.86E-09	1.15E-09	1.61E-08
482691.9, 3855219.27	0.00614	2.239E-05	7.75E-09	2.34E-08	1.85E-08	1.60E-08	7.19E-09	2.59E-10	6.25E-09	4.39E-09	3.80E-09	1.13E-09	1.58E-08
482690.49, 3855119.42	0.00613	2.235E-05	7.74E-09	2.34E-08	1.85E-08	1.60E-08	7.18E-09	2.58E-10	6.24E-09	4.39E-09	3.79E-09	1.13E-09	1.58E-08
482689.09, 3855019.57	0.00592	2.159E-05	7.47E-09	2.26E-08	1.78E-08	1.54E-08	6.93E-09	2.50E-10	6.03E-09	4.23E-09	3.66E-09	1.09E-09	1.53E-08
482687.68, 3854919.71	0.00588	2.144E-05	7.42E-09	2.24E-08	1.77E-08	1.53E-08	6.89E-09	2.48E-10	5.99E-09	4.21E-09	3.64E-09	1.09E-09	1.52E-08
482686.28, 3854819.86	0.00575	2.097E-05	7.26E-09	2.19E-08	1.73E-08	1.50E-08	6.74E-09	2.42E-10	5.85E-09	4.11E-09	3.56E-09	1.06E-09	1.48E-08
482684.88, 3854720.01	0.00579	2.111E-05	7.31E-09	2.21E-08	1.74E-08	1.51E-08	6.78E-09	2.44E-10	5.90E-09	4.14E-09	3.58E-09	1.07E-09	1.49E-08
482683.47, 3854620.16	0.00562	2.049E-05	7.09E-09	2.14E-08	1.69E-08	1.46E-08	6.58E-09	2.37E-10	5.72E-09	4.02E-09	3.48E-09	1.04E-09	1.45E-08
482682.07, 3854520.31	0.00556	2.028E-05	7.02E-09	2.12E-08	1.67E-08	1.45E-08	6.51E-09	2.34E-10	5.66E-09	3.98E-09	3.44E-09	1.03E-09	1.43E-08
482680.66, 3854420.45	0.00546	1.991E-05	6.89E-09	2.08E-08	1.64E-08	1.42E-08	6.40E-09	2.30E-10	5.56E-09	3.91E-09	3.38E-09	1.01E-09	1.41E-08
482679.26, 3854320.6	0.00536	1.955E-05	6.77E-09	2.04E-08	1.61E-08	1.40E-08	6.28E-09	2.26E-10	5.46E-09	3.83E-09	3.32E-09	9.90E-10	1.38E-08
482677.85, 3854220.75	0.005	1.823E-05	6.31E-09	1.91E-08	1.51E-08	1.30E-08	5.86E-09	2.11E-10	5.09E-09	3.58E-09	3.09E-09	9.24E-10	1.29E-08
482676.45, 3854120.9	0.00505	1.842E-05	6.37E-09	1.92E-08	1.52E-08	1.32E-08	5.92E-09	2.13E-10	5.14E-09	3.61E-09	3.13E-09	9.33E-10	1.30E-08

482675.04, 3854021.04	0.00506	1.845E-05	6.39E-09	1.93E-08	1.52E-08	1.32E-08	5.93E-09	2.13E-10	5.15E-09	3.62E-09	3.13E-09	9.35E-10	1.31E-08
482673.64, 3853921.19	0.00502	1.831E-05	6.34E-09	1.91E-08	1.51E-08	1.31E-08	5.88E-09	2.12E-10	5.11E-09	3.59E-09	3.11E-09	9.28E-10	1.29E-08
482672.23, 3853821.34	0.005	1.823E-05	6.31E-09	1.91E-08	1.51E-08	1.30E-08	5.86E-09	2.11E-10	5.09E-09	3.58E-09	3.09E-09	9.24E-10	1.29E-08
482670.83, 3853721.48	0.00493	1.798E-05	6.22E-09	1.88E-08	1.48E-08	1.28E-08	5.78E-09	2.08E-10	5.02E-09	3.53E-09	3.05E-09	9.11E-10	1.27E-08
482669.42, 3853621.63	0.00504	1.838E-05	6.36E-09	1.92E-08	1.52E-08	1.31E-08	5.90E-09	2.12E-10	5.13E-09	3.61E-09	3.12E-09	9.31E-10	1.30E-08
482645.99, 3853446.13	0.00516	1.882E-05	6.51E-09	1.97E-08	1.55E-08	1.34E-08	6.04E-09	2.18E-10	5.25E-09	3.69E-09	3.19E-09	9.53E-10	1.33E-08
482623.96, 3853370.48	0.00522	1.904E-05	6.59E-09	1.99E-08	1.57E-08	1.36E-08	6.11E-09	2.20E-10	5.32E-09	3.73E-09	3.23E-09	9.65E-10	1.35E-08
482601.94, 3853294.84	0.00527	1.922E-05	6.65E-09	2.01E-08	1.59E-08	1.37E-08	6.17E-09	2.22E-10	5.37E-09	3.77E-09	3.26E-09	9.74E-10	1.36E-08
482531.29, 3853133.44	0.00529	1.929E-05	6.68E-09	2.02E-08	1.59E-08	1.38E-08	6.20E-09	2.23E-10	5.39E-09	3.78E-09	3.27E-09	9.77E-10	1.36E-08
482482.68, 3853047.69	0.00522	1.904E-05	6.59E-09	1.99E-08	1.57E-08	1.36E-08	6.11E-09	2.20E-10	5.32E-09	3.73E-09	3.23E-09	9.65E-10	1.35E-08
482383.08, 3852897.4	0.00527	1.922E-05	6.65E-09	2.01E-08	1.59E-08	1.37E-08	6.17E-09	2.22E-10	5.37E-09	3.77E-09	3.26E-09	9.74E-10	1.36E-08
482265.64, 3852765.26	0.00523	1.907E-05	6.60E-09	1.99E-08	1.57E-08	1.36E-08	6.13E-09	2.20E-10	5.33E-09	3.74E-09	3.24E-09	9.66E-10	1.35E-08
482199.16, 3852697.66	0.00518	1.889E-05	6.54E-09	1.97E-08	1.56E-08	1.35E-08	6.07E-09	2.18E-10	5.27E-09	3.71E-09	3.21E-09	9.57E-10	1.34E-08
482132.69, 3852630.07	0.00511	1.863E-05	6.45E-09	1.95E-08	1.54E-08	1.33E-08	5.99E-09	2.15E-10	5.20E-09	3.66E-09	3.16E-09	9.44E-10	1.32E-08
482066.21, 3852562.48	0.00505	1.842E-05	6.37E-09	1.92E-08	1.52E-08	1.32E-08	5.92E-09	2.13E-10	5.14E-09	3.61E-09	3.13E-09	9.33E-10	1.30E-08
481999.74, 3852494.89	0.00501	1.827E-05	6.32E-09	1.91E-08	1.51E-08	1.31E-08	5.87E-09	2.11E-10	5.10E-09	3.58E-09	3.10E-09	9.26E-10	1.29E-08
481933.26, 3852427.29	0.00498	1.816E-05	6.29E-09	1.90E-08	1.50E-08	1.30E-08	5.83E-09	2.10E-10	5.07E-09	3.56E-09	3.08E-09	9.20E-10	1.28E-08
481866.79, 3852359.7	0.00488	1.78E-05	6.16E-09	1.86E-08	1.47E-08	1.27E-08	5.72E-09	2.06E-10	4.97E-09	3.49E-09	3.02E-09	9.02E-10	1.26E-08
481800.31, 3852292.11	0.00477	1.739E-05	6.02E-09	1.82E-08	1.44E-08	1.24E-08	5.59E-09	2.01E-10	4.86E-09	3.41E-09	2.95E-09	8.81E-10	1.23E-08
481733.84, 3852224.52	0.00468	1.707E-05	5.91E-09	1.78E-08	1.41E-08	1.22E-08	5.48E-09	1.97E-10	4.77E-09	3.35E-09	2.90E-09	8.65E-10	1.21E-08
481667.36, 3852156.92	0.00454	1.656E-05	5.73E-09	1.73E-08	1.37E-08	1.18E-08	5.32E-09	1.91E-10	4.62E-09	3.25E-09	2.81E-09	8.39E-10	1.17E-08
481600.89, 3852089.33	0.00452	1.648E-05	5.71E-09	1.72E-08	1.36E-08	1.18E-08	5.29E-09	1.91E-10	4.60E-09	3.23E-09	2.80E-09	8.35E-10	1.17E-08
481534.41, 3852021.74	0.00453	1.652E-05	5.72E-09	1.73E-08	1.36E-08	1.18E-08	5.31E-09	1.91E-10	4.61E-09	3.24E-09	2.80E-09	8.37E-10	1.17E-08
481467.94, 3851954.15	0.0045	1.641E-05	5.68E-09	1.72E-08	1.35E-08	1.17E-08	5.27E-09	1.90E-10	4.58E-09	3.22E-09	2.79E-09	8.31E-10	1.16E-08
481401.46, 3851886.55	0.00441	1.608E-05	5.57E-09	1.68E-08	1.33E-08	1.15E-08	5.17E-09	1.86E-10	4.49E-09	3.15E-09	2.73E-09	8.15E-10	1.14E-08
481265.87, 3851761.43	0.00435	1.586E-05	5.49E-09	1.66E-08	1.31E-08	1.13E-08	5.10E-09	1.83E-10	4.43E-09	3.11E-09	2.69E-09	8.04E-10	1.12E-08
481196.74, 3851703.89	0.00429	1.564E-05	5.42E-09	1.64E-08	1.29E-08	1.12E-08	5.03E-09	1.81E-10	4.37E-09	3.07E-09	2.66E-09	7.93E-10	1.11E-08
481076.33, 3851619.04	0.00422	1.539E-05	5.33E-09	1.61E-08	1.27E-08	1.10E-08	4.94E-09	1.78E-10	4.30E-09	3.02E-09	2.61E-09	7.80E-10	1.09E-08
480939.8, 3851549.07	0.00412	1.502E-05	5.20E-09	1.57E-08	1.24E-08	1.07E-08	4.83E-09	1.74E-10	4.20E-09	2.95E-09	2.55E-09	7.61E-10	1.06E-08
480854.56, 3851506.41	0.00407	1.484E-05	5.14E-09	1.55E-08	1.23E-08	1.06E-08	4.77E-09	1.72E-10	4.14E-09	2.91E-09	2.52E-09	7.52E-10	1.05E-08
480769.32, 3851463.75	0.00401	1.462E-05	5.06E-09	1.53E-08	1.21E-08	1.04E-08	4.70E-09	1.69E-10	4.08E-09	2.87E-09	2.48E-09	7.41E-10	1.03E-08
480684.08, 3851421.08	0.00395	1.44E-05	4.99E-09	1.51E-08	1.19E-08	1.03E-08	4.63E-09	1.67E-10	4.02E-09	2.83E-09	2.44E-09	7.30E-10	1.02E-08
480598.84, 3851378.42	0.00394	1.437E-05	4.97E-09	1.50E-08	1.19E-08	1.03E-08	4.62E-09	1.66E-10	4.01E-09	2.82E-09	2.44E-09	7.28E-10	1.02E-08
480435.71, 3851275.01	0.00384	1.4E-05	4.85E-09	1.46E-08	1.16E-08	1.00E-08	4.50E-09	1.62E-10	3.91E-09	2.75E-09	2.38E-09	7.10E-10	9.91E-09
480347.85, 3851232.36	0.0038	1.386E-05	4.80E-09	1.45E-08	1.14E-08	9.90E-09	4.45E-09	1.60E-10	3.87E-09	2.72E-09	2.35E-09	7.02E-10	9.80E-09
480260, 3851189.72	0.00375	1.367E-05	4.73E-09	1.43E-08	1.13E-08	9.77E-09	4.39E-09	1.58E-10	3.82E-09	2.68E-09	2.32E-09	6.93E-10	9.67E-09
480172.15, 3851147.07	0.0037	1.349E-05	4.67E-09	1.41E-08	1.11E-08	9.64E-09	4.33E-09	1.56E-10	3.77E-09	2.65E-09	2.29E-09	6.84E-10	9.54E-09
480084.29, 3851104.42	0.00363	1.324E-05	4.58E-09	1.38E-08	1.09E-08	9.46E-09	4.25E-09	1.53E-10	3.70E-09	2.60E-09	2.25E-09	6.71E-10	9.36E-09
479996.44, 3851061.77	0.00355	1.295E-05	4.48E-09	1.35E-08	1.07E-08	9.25E-09	4.16E-09	1.50E-10	3.61E-09	2.54E-09	2.20E-09	6.56E-10	9.16E-09
479908.58, 3851019.13	0.00335	1.222E-05	4.23E-09	1.28E-08	1.01E-08	8.73E-09	3.92E-09	1.41E-10	3.41E-09	2.40E-09	2.07E-09	6.19E-10	8.64E-09
479820.73, 3850976.48	0.0033	1.203E-05	4.17E-09	1.26E-08	9.94E-09	8.60E-09	3.87E-09	1.39E-10	3.36E-09	2.36E-09	2.04E-09	6.10E-10	8.51E-09
479732.88, 3850933.83	0.00325	1.185E-05	4.10E-09	1.24E-08	9.78E-09	8.47E-09	3.81E-09	1.37E-10	3.31E-09	2.32E-09	2.01E-09	6.01E-10	8.38E-09
479645.02, 3850891.18	0.00321	1.171E-05	4.05E-09	1.22E-08	9.66E-09	8.36E-09	3.76E-09	1.35E-10	3.27E-09	2.30E-09	1.99E-09	5.93E-10	8.28E-09
479557.17, 3850848.54	0.0032	1.167E-05	4.04E-09	1.22E-08	9.63E-09	8.34E-09	3.75E-09	1.35E-10	3.26E-09	2.29E-09	1.98E-09	5.91E-10	8.25E-09
479469.32, 3850805.89	0.00313	1.141E-05	3.95E-09	1.19E-08	9.42E-09	8.15E-09	3.67E-09	1.32E-10	3.19E-09	2.24E-09	1.94E-09	5.78E-10	8.07E-09
479381.46, 3850763.24	0.00314	1.145E-05	3.96E-09	1.20E-08	9.45E-09	8.18E-09	3.68E-09	1.32E-10	3.20E-09	2.25E-09	1.94E-09	5.80E-10	8.10E-09
479293.61, 3850720.59	0.00321	1.171E-05	4.05E-09	1.22E-08	9.66E-09	8.36E-09	3.76E-09	1.35E-10	3.27E-09	2.30E-09	1.99E-09	5.93E-10	8.28E-09
479205.76, 3850677.95	0.00325	1.185E-05	4.10E-09	1.24E-08	9.78E-09	8.47E-09	3.81E-09	1.37E-10	3.31E-09	2.32E-09	2.01E-09	6.01E-10	8.38E-09
479117.9, 3850635.3	0.00332	1.211E-05	4.19E-09	1.27E-08	1.00E-08	8.65E-09	3.89E-09	1.40E-10	3.38E-09	2.37E-09	2.06E-09	6.13E-10	8.56E-09
479030.05, 3850592.65	0.00327	1.192E-05	4.13E-09	1.25E-08	9.85E-09	8.52E-09	3.83E-09	1.38E-10	3.33E-09	2.34E-09	2.02E-09	6.04E-10	8.43E-09
478942.19, 3850550	0.00318	1.16E-05	4.01E-09	1.21E-08	9.57E-09	8.28E-09	3.73E-09	1.34E-10	3.24E-09	2.27E-09	1.97E-09	5.88E-10	8.20E-09
478854.34, 3850507.36	0.00294	1.072E-05	3.71E-09	1.12E-08	8.85E-09	7.66E-09	3.44E-09	1.24E-10	2.99E-09	2.10E-09	1.82E-09	5.43E-10	7.58E-09
478766.49, 3850464.71	0.00283	1.032E-05	3.57E-09	1.08E-08	8.52E-09	7.37E-09	3.32E-09	1.19E-10	2.88E-09	2.02E-09	1.75E-09	5.23E-10	7.30E-09
478678.63, 3850422.06	0.00277	1.01E-05	3.50E-09	1.06E-08	8.34E-09	7.22E-09	3.24E-09	1.17E-10	2.82E-09	1.98E-09	1.71E-09	5.12E-10	7.15E-09
478590.78, 3850379.41	0.00269	9.81E-06	3.40E-09	1.03E-08	8.10E-09	7.01E-09	3.15E-09	1.13E-10	2.74E-09	1.92E-09	1.67E-09	4.97E-10	6.94E-09
478502.93, 3850336.77	0.00264	9.627E-06	3.33E-09	1.01E-08	7.95E-09	6.88E-09	3.09E-09	1.11E-10	2.69E-09	1.89E-09	1.63E-09	4.88E-10	6.81E-09
478415.07, 3850294.12	0.00261	9.518E-06	3.29E-09	9.95E-09	7.86E-09	6.80E-09	3.06E-09	1.10E-10	2.66E-09	1.87E-09	1.62E-09	4.82E-10	6.73E-09
478327.22, 3850251.47	0.00254	9.263E-06	3.21E-09	9.68E-09	7.65E-09	6.62E-09	2.98E-09	1.07E-10	2.59E-09	1.82E-09	1.57E-09	4.69E-10	6.55E-09
478239.36, 3850208.82	0.00249	9.08E-06	3.14E-09	9.49E-09	7.50E-09	6.49E-09	2.92E-09	1.05E-10	2.54E-09	1.78E-09	1.54E-09	4.60E-10	6.42E-09
478151.51, 3850166.18	0.00245	8.934E-06	3.09E-09	9.34E-09	7.38E-09	6.38E-09	2.87E-09	1.03E-10	2.49E-09	1.75E-09	1.52E-09	4.53E-10	6.32E-09
478063.66, 3850123.53	0.00241	8.788E-06	3.04E-09	9.19E-09	7.26E-09	6.28E-09	2.82E-09	1.02E-10	2.45E-09	1.72E-09	1.49E-09	4.45E-10	6.22E-09
477975.8, 3850080.88	0.00255	9.299E-06	3.22E-09	9.72E-09	7.68E-09	6.64E-09	2.99E-09	1.07E-10	2.60E-09	1.82E-09	1.58E-09	4.71E-10	6.58E-09
477887.95, 3850038.23	0.00256	9.335E-06	3.23E-09	9.76E-09	7.71E-09	6.67E-09	3.00E-09	1.08E-10	2.61E-09	1.83E-09	1.58E-09	4.73E-10	6.60E-09
477800.1, 3849995.59	0.0026	9.481E-06	3.28E-09	9.91E-09	7.83E-09	6.77E-09	3.05E-09	1.10E-10	2.65E-09	1.86E-09	1.61E-09	4.80E-10	6.71E-09
477712.24, 3849952.94	0.00259	9.445E-06	3.27E-09	9.87E-09	7.80E-09	6.75E-09	3.03E-09	1.09E-10	2.64E-09	1.85E-09	1.60E-09	4.79E-10	6.68E-09
477624.39, 3849910.29	0.00258	9.408E-06	3.26E-09	9.83E-09	7.77E-09	6.72E-09	3.02E-09	1.09E-10	2.63E-09	1.85E-09	1.60E-09	4.77E-10	6.66E-09
477536.54, 3849867.64	0.00258	9.408E-06	3.26E-09	9.83E-09	7.77E-09	6.72E-09	3.02E-09	1.09E-10	2.63E-09	1.85E-09	1.60E-09	4.77E-10	6.66E-09
477448.68, 3849825	0.00255	9.299E-06	3.22E-09	9.72E-09	7.68E-09	6.64E-09	2.99E-09	1.07E-10	2.60E-09	1.82E-09	1.58E-09	4.71E-10	6.58E-09
477360.83, 3849782.35	0.00252	9.19E-06	3.18E-09	9.61E-09	7.59E-09	6.56E-09	2.95E-09	1.06E-10	2.57E-09	1.80E-09	1.56E-09	4.66E-10	6.50E-09
477272.97, 3849739.7	0.00243	8.861E-06	3.07E-09	9.26E-09	7.32E-09	6.33E-09	2.85E-09	1.02E-10	2.47E-09	1.74E-09	1.50E-09	4.49E-10	6.27E-09
477185.12, 3849697.05	0.00241	8.788E-06	3.04E-09	9.19E-09	7.26E-09	6.28E-09	2.82E-09	1.02E-10	2.45E-09	1.72E-09	1.49E-09	4.45E-10	6.22E-09
477097.27, 3849654.41	0.00242	8.825E-06	3.05E-09	9.22E-09	7.29E-09	6.30E-09	2.83E-09	1.02E-10	2.46E-09	1.73E-09	1.50E-09	4.47E-10	6.24E-09
477009.41, 3849611.76	0.00232	8.46E-06	2.93E-09	8.84E-09	6.98E-09	6.04E-09	2.72E-09	9.78E-11	2.36E-09	1.66E-09	1.44E-09	4.29E-10	5.98E-09
476841.49, 3849530.08	0.00223	8.132E-06	2.82E-09	8.50E-09	6.71E-09	5.81E-09	2.61E-09	9.40E-11	2.27E-09	1.60E-09	1.38E-09	4.12E-10	5.75E-09
476761.41, 3849491.05	0.00222	8.096E-06	2.80E-09	8.46E-09	6.68E-09	5.78E-09	2.60E-09	9.36E-11	2.26E-09	1.59E-09	1.37E-09	4.10E-10	5.73E-09
476681.34, 3849452.02	0.00217	7.913E-06	2.74E-09	8.27E-09	6.53E-09	5.65E-09	2.54E-09	9.15E-11	2.21E-09	1.55E-09	1.34E-09	4.01E-10	5.60E-09
476601.26, 3849412.99	0.00211	7.694E-06	2.66E-09	8.04E-09	6.35E-09	5.50E-09	2.47E-09	8.89E-11	2.15E-09	1.51E-09	1.31E-09	3.90E-10	5.44E-09
476456.32, 3849353.67	0.00194	7.075E-06	2.45E-09	7.39E-09	5.84E-09	5.05E-09	2.27E-09	8.18E-11	1.98E-09	1.39E-09	1.20E-09	3.58E-10	5.00E-09
476305.43, 3849318.83	0.00195	7.111E-06	2.46E-09	7.43E-09	5.87E-09	5.08E-09	2.28E-09	8.22E-11	1.99E-09	1.39E-09	1.21E-09	3.60E-10	5.03E-09
476129.36, 3849289.99	0.00189	6.892E-06	2.39E-09	7.20E-09	5.69E-09	4.92E-09	2.21E-09	7.97E-11	1.92E-09	1.35E-09	1.17E-09	3.49E-10	4.88E-09

476039.31, 3849275.68	0.00183	6.673E-06	2.31E-09	6.98E-09	5.51E-09	4.77E-09	2.14E-09	7.71E-11	1.86E-09	1.31E-09	1.13E-09	3.38E-10	4.72E-09
475949.26, 3849261.38	0.00178	6.491E-06	2.25E-09	6.78E-09	5.36E-09	4.64E-09	2.09E-09	7.50E-11	1.81E-09	1.27E-09	1.10E-09	3.29E-10	4.59E-09
475859.21, 3849247.08	0.00175	6.382E-06	2.21E-09	6.67E-09	5.27E-09	4.56E-09	2.05E-09	7.38E-11	1.78E-09	1.25E-09	1.08E-09	3.23E-10	4.51E-09
475769.16, 3849232.77	0.00167	6.09E-06	2.11E-09	6.37E-09	5.03E-09	4.35E-09	1.96E-09	7.04E-11	1.70E-09	1.19E-09	1.03E-09	3.09E-10	4.31E-09
475585.22, 3849219.27	0.00127	4.631E-06	1.60E-09	4.84E-09	3.82E-09	3.31E-09	1.49E-09	5.35E-11	1.29E-09	9.08E-10	7.86E-10	2.35E-10	3.28E-09
475444.49, 3849150.34	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
475334.17, 3849118.71	0.0015	5.47E-06	1.89E-09	5.72E-09	4.52E-09	3.91E-09	1.76E-09	6.32E-11	1.53E-09	1.07E-09	9.28E-10	2.77E-10	3.87E-09
475230.46, 3849060.57	0.00149	5.434E-06	1.88E-09	5.68E-09	4.49E-09	3.88E-09	1.75E-09	6.28E-11	1.52E-09	1.07E-09	9.22E-10	2.75E-10	3.84E-09
475110.86, 3848960.97	0.00147	5.361E-06	1.86E-09	5.60E-09	4.43E-09	3.83E-09	1.72E-09	6.20E-11	1.50E-09	1.05E-09	9.10E-10	2.72E-10	3.79E-09
475037.79, 3848896.28	0.00143	5.215E-06	1.81E-09	5.45E-09	4.31E-09	3.73E-09	1.68E-09	6.03E-11	1.46E-09	1.02E-09	8.85E-10	2.64E-10	3.69E-09
474964.72, 3848831.59	0.0014	5.105E-06	1.77E-09	5.34E-09	4.22E-09	3.65E-09	1.64E-09	5.90E-11	1.43E-09	1.00E-09	8.67E-10	2.59E-10	3.61E-09
474891.65, 3848766.9	0.00139	5.069E-06	1.75E-09	5.30E-09	4.18E-09	3.62E-09	1.63E-09	5.86E-11	1.42E-09	9.94E-10	8.60E-10	2.57E-10	3.59E-09
474818.58, 3848702.21	0.00139	5.069E-06	1.75E-09	5.30E-09	4.18E-09	3.62E-09	1.63E-09	5.86E-11	1.42E-09	9.94E-10	8.60E-10	2.57E-10	3.59E-09
474745.51, 3848637.53	0.00142	5.178E-06	1.79E-09	5.41E-09	4.28E-09	3.70E-09	1.66E-09	5.99E-11	1.45E-09	1.02E-09	8.79E-10	2.62E-10	3.66E-09
474672.44, 3848572.84	0.00147	5.361E-06	1.86E-09	5.60E-09	4.43E-09	3.83E-09	1.72E-09	6.20E-11	1.50E-09	1.05E-09	9.10E-10	2.72E-10	3.79E-09
474599.37, 3848508.15	0.00141	5.142E-06	1.78E-09	5.37E-09	4.25E-09	3.67E-09	1.65E-09	5.94E-11	1.44E-09	1.01E-09	8.73E-10	2.61E-10	3.64E-09
474526.3, 3848443.46	0.0014	5.105E-06	1.77E-09	5.34E-09	4.22E-09	3.65E-09	1.64E-09	5.90E-11	1.43E-09	1.00E-09	8.67E-10	2.59E-10	3.61E-09

			No Replacements			With Replacements		
	Concentration	g/s: 2.03E-01	Student			3.65E-03	Student	
X, Y	[µg/m^3] at 1 g/s		Dose	Rsk			Dose	Rsk
485973.61, 3854936.51	0.0032	0.0006482	2.05E-07	1.93E-08		1.17E-05	3.68E-09	3.47E-10
486023.61, 3854936.51	0.00315	0.000638	2.01E-07	1.90E-08		1.15E-05	3.63E-09	3.42E-10
486073.61, 3854936.51	0.00312	0.000632	1.99E-07	1.88E-08		1.14E-05	3.59E-09	3.39E-10
486123.61, 3854936.51	0.00305	0.0006178	1.95E-07	1.84E-08		1.11E-05	3.51E-09	3.31E-10
486173.61, 3854936.51	0.00304	0.0006158	1.94E-07	1.83E-08		1.11E-05	3.50E-09	3.30E-10
486223.61, 3854936.51	0.003	0.0006077	1.92E-07	1.81E-08		1.09E-05	3.45E-09	3.26E-10
486273.61, 3854936.51	0.00297	0.0006016	1.90E-07	1.79E-08		1.08E-05	3.42E-09	3.22E-10
486323.61, 3854936.51	0.00295	0.0005975	1.89E-07	1.78E-08		1.08E-05	3.40E-09	3.20E-10
485973.61, 3854986.51	0.00329	0.0006664	2.10E-07	1.98E-08		1.20E-05	3.79E-09	3.57E-10
486023.61, 3854986.51	0.00325	0.0006583	2.08E-07	1.96E-08		1.19E-05	3.74E-09	3.53E-10
486073.61, 3854986.51	0.0032	0.0006482	2.05E-07	1.93E-08		1.17E-05	3.68E-09	3.47E-10
486123.61, 3854986.51	0.00316	0.0006401	2.02E-07	1.90E-08		1.15E-05	3.64E-09	3.43E-10
486173.61, 3854986.51	0.00314	0.000636	2.01E-07	1.89E-08		1.15E-05	3.61E-09	3.41E-10
486223.61, 3854986.51	0.00309	0.0006259	1.98E-07	1.86E-08		1.13E-05	3.56E-09	3.35E-10
486273.61, 3854986.51	0.00303	0.0006137	1.94E-07	1.83E-08		1.10E-05	3.49E-09	3.29E-10
486323.61, 3854986.51	0.00304	0.0006158	1.94E-07	1.83E-08		1.11E-05	3.50E-09	3.30E-10
485973.61, 3855036.51	0.0034	0.0006887	2.17E-07	2.05E-08		1.24E-05	3.91E-09	3.69E-10
486023.61, 3855036.51	0.00335	0.0006786	2.14E-07	2.02E-08		1.22E-05	3.86E-09	3.64E-10
486073.61, 3855036.51	0.00329	0.0006664	2.10E-07	1.98E-08		1.20E-05	3.79E-09	3.57E-10
486123.61, 3855036.51	0.00324	0.0006563	2.07E-07	1.95E-08		1.18E-05	3.73E-09	3.52E-10
486173.61, 3855036.51	0.00322	0.0006522	2.06E-07	1.94E-08		1.17E-05	3.71E-09	3.49E-10
486223.61, 3855036.51	0.00316	0.0006401	2.02E-07	1.90E-08		1.15E-05	3.64E-09	3.43E-10
486273.61, 3855036.51	0.00315	0.000638	2.01E-07	1.90E-08		1.15E-05	3.63E-09	3.42E-10
486323.61, 3855036.51	0.00311	0.0006299	1.99E-07	1.87E-08		1.13E-05	3.58E-09	3.37E-10
485973.61, 3855086.51	0.00349	0.0007069	2.23E-07	2.10E-08		1.27E-05	4.02E-09	3.79E-10
486023.61, 3855086.51	0.00346	0.0007008	2.21E-07	2.09E-08		1.26E-05	3.98E-09	3.75E-10
486073.61, 3855086.51	0.00339	0.0006867	2.17E-07	2.04E-08		1.24E-05	3.90E-09	3.68E-10
486123.61, 3855086.51	0.00336	0.0006806	2.15E-07	2.03E-08		1.23E-05	3.87E-09	3.65E-10
486173.61, 3855086.51	0.0033	0.0006684	2.11E-07	1.99E-08		1.20E-05	3.80E-09	3.58E-10
486223.61, 3855086.51	0.00327	0.0006624	2.09E-07	1.97E-08		1.19E-05	3.76E-09	3.55E-10
485973.61, 3855136.51	0.0036	0.0007292	2.30E-07	2.17E-08		1.31E-05	4.14E-09	3.91E-10
486023.61, 3855136.51	0.00355	0.0007191	2.27E-07	2.14E-08		1.29E-05	4.09E-09	3.85E-10
486073.61, 3855136.51	0.0035	0.0007089	2.24E-07	2.11E-08		1.28E-05	4.03E-09	3.80E-10
486123.61, 3855136.51	0.00346	0.0007008	2.21E-07	2.09E-08		1.26E-05	3.98E-09	3.75E-10
486173.61, 3855136.51	0.00341	0.0006907	2.18E-07	2.06E-08		1.24E-05	3.92E-09	3.70E-10
486223.61, 3855136.51	0.00337	0.0006826	2.15E-07	2.03E-08		1.23E-05	3.88E-09	3.66E-10
485973.61, 3855186.51	0.0037	0.0007494	2.37E-07	2.23E-08		1.35E-05	4.26E-09	4.02E-10
486023.61, 3855186.51	0.00366	0.0007413	2.34E-07	2.21E-08		1.33E-05	4.21E-09	3.97E-10
486073.61, 3855186.51	0.0036	0.0007292	2.30E-07	2.17E-08		1.31E-05	4.14E-09	3.91E-10
486123.61, 3855186.51	0.00354	0.000717	2.26E-07	2.13E-08		1.29E-05	4.07E-09	3.84E-10
486173.61, 3855186.51	0.0035	0.0007089	2.24E-07	2.11E-08		1.28E-05	4.03E-09	3.80E-10
486223.61, 3855186.51	0.00345	0.0006988	2.21E-07	2.08E-08		1.26E-05	3.97E-09	3.74E-10
486273.61, 3855186.51	0.0034	0.0006887	2.17E-07	2.05E-08		1.24E-05	3.91E-09	3.69E-10
486323.61, 3855186.51	0.00342	0.0006927	2.19E-07	2.06E-08		1.25E-05	3.94E-09	3.71E-10
485973.61, 3855236.51	0.00378	0.0007657	2.42E-07	2.28E-08		1.38E-05	4.35E-09	4.10E-10
486023.61, 3855236.51	0.00373	0.0007555	2.38E-07	2.25E-08		1.36E-05	4.29E-09	4.05E-10
486073.61, 3855236.51	0.00367	0.0007434	2.35E-07	2.21E-08		1.34E-05	4.22E-09	3.98E-10
486123.61, 3855236.51	0.00363	0.0007353	2.32E-07	2.19E-08		1.32E-05	4.18E-09	3.94E-10
486173.61, 3855236.51	0.00359	0.0007272	2.30E-07	2.16E-08		1.31E-05	4.13E-09	3.90E-10
486223.61, 3855236.51	0.00354	0.000717	2.26E-07	2.13E-08		1.29E-05	4.07E-09	3.84E-10
486273.61, 3855236.51	0.00346	0.0007008	2.21E-07	2.09E-08		1.26E-05	3.98E-09	3.75E-10
486323.61, 3855236.51	0.00352	0.000713	2.25E-07	2.12E-08		1.28E-05	4.05E-09	3.82E-10
485973.61, 3855286.51	0.00385	0.0007798	2.46E-07	2.32E-08		1.40E-05	4.43E-09	4.18E-10
486023.61, 3855286.51	0.0038	0.0007697	2.43E-07	2.29E-08		1.39E-05	4.37E-09	4.12E-10
486073.61, 3855286.51	0.00375	0.0007596	2.40E-07	2.26E-08		1.37E-05	4.32E-09	4.07E-10
486123.61, 3855286.51	0.0037	0.0007494	2.37E-07	2.23E-08		1.35E-05	4.26E-09	4.02E-10

486173.61, 3855286.51	0.00365	0.0007393	2.33E-07	2.20E-08	1.33E-05	4.20E-09	3.96E-10
486223.61, 3855286.51	0.00362	0.0007332	2.31E-07	2.18E-08	1.32E-05	4.17E-09	3.93E-10
486123.61, 3855336.51	0.00376	0.0007616	2.40E-07	2.27E-08	1.37E-05	4.33E-09	4.08E-10
486173.61, 3855336.51	0.00373	0.0007555	2.38E-07	2.25E-08	1.36E-05	4.29E-09	4.05E-10
486223.61, 3855336.51	0.00369	0.0007474	2.36E-07	2.22E-08	1.35E-05	4.25E-09	4.00E-10
486123.61, 3855386.51	0.00382	0.0007738	2.44E-07	2.30E-08	1.39E-05	4.40E-09	4.15E-10
486173.61, 3855386.51	0.00379	0.0007677	2.42E-07	2.28E-08	1.38E-05	4.36E-09	4.11E-10
486223.61, 3855386.51	0.00377	0.0007636	2.41E-07	2.27E-08	1.37E-05	4.34E-09	4.09E-10
486533.18, 3855443.15	0.00372	0.0007535	2.38E-07	2.24E-08	1.36E-05	4.28E-09	4.04E-10
486583.18, 3855443.15	0.00368	0.0007454	2.35E-07	2.22E-08	1.34E-05	4.24E-09	3.99E-10
486633.18, 3855443.15	0.00364	0.0007373	2.33E-07	2.19E-08	1.33E-05	4.19E-09	3.95E-10
486683.18, 3855443.15	0.00362	0.0007332	2.31E-07	2.18E-08	1.32E-05	4.17E-09	3.93E-10
486533.18, 3855493.15	0.0038	0.0007697	2.43E-07	2.29E-08	1.39E-05	4.37E-09	4.12E-10
486583.18, 3855493.15	0.00377	0.0007636	2.41E-07	2.27E-08	1.37E-05	4.34E-09	4.09E-10
486633.18, 3855493.15	0.00373	0.0007555	2.38E-07	2.25E-08	1.36E-05	4.29E-09	4.05E-10
486683.18, 3855493.15	0.0037	0.0007494	2.37E-07	2.23E-08	1.35E-05	4.26E-09	4.02E-10
486533.18, 3855543.15	0.00388	0.0007859	2.48E-07	2.34E-08	1.41E-05	4.47E-09	4.21E-10
486583.18, 3855543.15	0.00383	0.0007758	2.45E-07	2.31E-08	1.40E-05	4.41E-09	4.16E-10
486633.18, 3855543.15	0.00381	0.0007717	2.44E-07	2.30E-08	1.39E-05	4.39E-09	4.13E-10
486683.18, 3855543.15	0.00375	0.0007596	2.40E-07	2.26E-08	1.37E-05	4.32E-09	4.07E-10
486533.18, 3855593.15	0.00394	0.0007981	2.52E-07	2.37E-08	1.44E-05	4.53E-09	4.28E-10
486583.18, 3855593.15	0.00391	0.000792	2.50E-07	2.36E-08	1.43E-05	4.50E-09	4.24E-10
486633.18, 3855593.15	0.00388	0.0007859	2.48E-07	2.34E-08	1.41E-05	4.47E-09	4.21E-10
486683.18, 3855593.15	0.00386	0.0007819	2.47E-07	2.33E-08	1.41E-05	4.44E-09	4.19E-10
486533.18, 3855643.15	0.00399	0.0008082	2.55E-07	2.41E-08	1.46E-05	4.59E-09	4.33E-10
486583.18, 3855643.15	0.00397	0.0008041	2.54E-07	2.39E-08	1.45E-05	4.57E-09	4.31E-10
486633.18, 3855643.15	0.00395	0.0008001	2.53E-07	2.38E-08	1.44E-05	4.55E-09	4.29E-10
486683.18, 3855643.15	0.00393	0.000796	2.51E-07	2.37E-08	1.43E-05	4.52E-09	4.26E-10
486533.18, 3855693.15	0.00405	0.0008203	2.59E-07	2.44E-08	1.48E-05	4.66E-09	4.39E-10
486583.18, 3855693.15	0.00401	0.0008122	2.56E-07	2.42E-08	1.46E-05	4.62E-09	4.35E-10
486633.18, 3855693.15	0.00397	0.0008041	2.54E-07	2.39E-08	1.45E-05	4.57E-09	4.31E-10
486683.18, 3855693.15	0.00398	0.0008062	2.54E-07	2.40E-08	1.45E-05	4.58E-09	4.32E-10
486733.18, 3855693.15	0.00402	0.0008143	2.57E-07	2.42E-08	1.47E-05	4.63E-09	4.36E-10
486783.18, 3855693.15	0.00407	0.0008244	2.60E-07	2.45E-08	1.48E-05	4.68E-09	4.42E-10
486533.18, 3855743.15	0.00408	0.0008264	2.61E-07	2.46E-08	1.49E-05	4.70E-09	4.43E-10
486583.18, 3855743.15	0.00403	0.0008163	2.58E-07	2.43E-08	1.47E-05	4.64E-09	4.37E-10
486633.18, 3855743.15	0.00401	0.0008122	2.56E-07	2.42E-08	1.46E-05	4.62E-09	4.35E-10
486683.18, 3855743.15	0.00405	0.0008203	2.59E-07	2.44E-08	1.48E-05	4.66E-09	4.39E-10
486733.18, 3855743.15	0.00407	0.0008244	2.60E-07	2.45E-08	1.48E-05	4.68E-09	4.42E-10
486783.18, 3855743.15	0.00414	0.0008386	2.65E-07	2.50E-08	1.51E-05	4.76E-09	4.49E-10
486533.18, 3855793.15	0.00411	0.0008325	2.63E-07	2.48E-08	1.50E-05	4.73E-09	4.46E-10
486583.18, 3855793.15	0.00402	0.0008143	2.57E-07	2.42E-08	1.47E-05	4.63E-09	4.36E-10
486633.18, 3855793.15	0.00407	0.0008244	2.60E-07	2.45E-08	1.48E-05	4.68E-09	4.42E-10
486683.18, 3855793.15	0.00412	0.0008345	2.63E-07	2.48E-08	1.50E-05	4.74E-09	4.47E-10
486733.18, 3855793.15	0.00415	0.0008406	2.65E-07	2.50E-08	1.51E-05	4.78E-09	4.50E-10
486783.18, 3855793.15	0.00419	0.0008487	2.68E-07	2.53E-08	1.53E-05	4.82E-09	4.55E-10
486533.18, 3855843.15	0.0041	0.0008305	2.62E-07	2.47E-08	1.50E-05	4.72E-09	4.45E-10
486583.18, 3855843.15	0.00405	0.0008203	2.59E-07	2.44E-08	1.48E-05	4.66E-09	4.39E-10
486633.18, 3855843.15	0.0041	0.0008305	2.62E-07	2.47E-08	1.50E-05	4.72E-09	4.45E-10
486683.18, 3855843.15	0.00416	0.0008426	2.66E-07	2.51E-08	1.52E-05	4.79E-09	4.51E-10
486733.18, 3855843.15	0.00421	0.0008528	2.69E-07	2.54E-08	1.54E-05	4.85E-09	4.57E-10
486783.18, 3855843.15	0.00425	0.0008609	2.72E-07	2.56E-08	1.55E-05	4.89E-09	4.61E-10
486533.18, 3855893.15	0.00405	0.0008203	2.59E-07	2.44E-08	1.48E-05	4.66E-09	4.39E-10
486583.18, 3855893.15	0.00409	0.0008284	2.61E-07	2.47E-08	1.49E-05	4.71E-09	4.44E-10
486633.18, 3855893.15	0.00413	0.0008365	2.64E-07	2.49E-08	1.51E-05	4.75E-09	4.48E-10
486683.18, 3855893.15	0.00419	0.0008487	2.68E-07	2.53E-08	1.53E-05	4.82E-09	4.55E-10
486733.18, 3855893.15	0.00424	0.0008588	2.71E-07	2.56E-08	1.55E-05	4.88E-09	4.60E-10
486783.18, 3855893.15	0.00431	0.000873	2.76E-07	2.60E-08	1.57E-05	4.96E-09	4.68E-10
486533.18, 3855943.15	0.00405	0.0008203	2.59E-07	2.44E-08	1.48E-05	4.66E-09	4.39E-10
486583.18, 3855943.15	0.00413	0.0008365	2.64E-07	2.49E-08	1.51E-05	4.75E-09	4.48E-10

486633.18, 3855943.15	0.00416	0.0008426	2.66E-07	2.51E-08	1.52E-05	4.79E-09	4.51E-10
486683.18, 3855943.15	0.00423	0.0008568	2.70E-07	2.55E-08	1.54E-05	4.87E-09	4.59E-10
486733.18, 3855943.15	0.00427	0.0008649	2.73E-07	2.57E-08	1.56E-05	4.91E-09	4.63E-10
486783.18, 3855943.15	0.00434	0.0008791	2.77E-07	2.62E-08	1.58E-05	5.00E-09	4.71E-10
486533.18, 3855993.15	0.00409	0.0008284	2.61E-07	2.47E-08	1.49E-05	4.71E-09	4.44E-10
486583.18, 3855993.15	0.00414	0.0008386	2.65E-07	2.50E-08	1.51E-05	4.76E-09	4.49E-10
486633.18, 3855993.15	0.00419	0.0008487	2.68E-07	2.53E-08	1.53E-05	4.82E-09	4.55E-10
486683.18, 3855993.15	0.00425	0.0008609	2.72E-07	2.56E-08	1.55E-05	4.89E-09	4.61E-10
486733.18, 3855993.15	0.0043	0.000871	2.75E-07	2.59E-08	1.57E-05	4.95E-09	4.67E-10
486783.18, 3855993.15	0.00437	0.0008852	2.79E-07	2.63E-08	1.59E-05	5.03E-09	4.74E-10
486533.18, 3856043.15	0.00411	0.0008325	2.63E-07	2.48E-08	1.50E-05	4.73E-09	4.46E-10
486583.18, 3856043.15	0.00417	0.0008446	2.67E-07	2.51E-08	1.52E-05	4.80E-09	4.53E-10
486633.18, 3856043.15	0.00421	0.0008528	2.69E-07	2.54E-08	1.54E-05	4.85E-09	4.57E-10
486683.18, 3856043.15	0.00428	0.0008669	2.74E-07	2.58E-08	1.56E-05	4.93E-09	4.64E-10
486733.18, 3856043.15	0.00433	0.0008771	2.77E-07	2.61E-08	1.58E-05	4.98E-09	4.70E-10
486783.18, 3856043.15	0.00441	0.0008933	2.82E-07	2.66E-08	1.61E-05	5.08E-09	4.79E-10
486533.18, 3856093.15	0.00415	0.0008406	2.65E-07	2.50E-08	1.51E-05	4.78E-09	4.50E-10
486583.18, 3856093.15	0.0042	0.0008507	2.69E-07	2.53E-08	1.53E-05	4.83E-09	4.56E-10
486633.18, 3856093.15	0.00425	0.0008609	2.72E-07	2.56E-08	1.55E-05	4.89E-09	4.61E-10
486683.18, 3856093.15	0.00431	0.000873	2.76E-07	2.60E-08	1.57E-05	4.96E-09	4.68E-10
486733.18, 3856093.15	0.00436	0.0008831	2.79E-07	2.63E-08	1.59E-05	5.02E-09	4.73E-10
486783.18, 3856093.15	0.00443	0.0008973	2.83E-07	2.67E-08	1.62E-05	5.10E-09	4.81E-10
486533.18, 3856143.15	0.00419	0.0008487	2.68E-07	2.53E-08	1.53E-05	4.82E-09	4.55E-10
486583.18, 3856143.15	0.00422	0.0008548	2.70E-07	2.54E-08	1.54E-05	4.86E-09	4.58E-10
486633.18, 3856143.15	0.00428	0.0008669	2.74E-07	2.58E-08	1.56E-05	4.93E-09	4.64E-10
486683.18, 3856143.15	0.00433	0.0008771	2.77E-07	2.61E-08	1.58E-05	4.98E-09	4.70E-10
486733.18, 3856143.15	0.00439	0.0008892	2.81E-07	2.65E-08	1.60E-05	5.05E-09	4.76E-10
486783.18, 3856143.15	0.00448	0.0009074	2.86E-07	2.70E-08	1.63E-05	5.16E-09	4.86E-10
486533.18, 3856193.15	0.00424	0.0008588	2.71E-07	2.56E-08	1.55E-05	4.88E-09	4.60E-10
486583.18, 3856193.15	0.00426	0.0008629	2.72E-07	2.57E-08	1.55E-05	4.90E-09	4.62E-10
486633.18, 3856193.15	0.00431	0.000873	2.76E-07	2.60E-08	1.57E-05	4.96E-09	4.68E-10
486683.18, 3856193.15	0.00438	0.0008872	2.80E-07	2.64E-08	1.60E-05	5.04E-09	4.75E-10
486733.18, 3856193.15	0.00443	0.0008973	2.83E-07	2.67E-08	1.62E-05	5.10E-09	4.81E-10
486783.18, 3856193.15	0.00451	0.0009135	2.88E-07	2.72E-08	1.64E-05	5.19E-09	4.89E-10
486533.18, 3856243.15	0.0043	0.000871	2.75E-07	2.59E-08	1.57E-05	4.95E-09	4.67E-10
486583.18, 3856243.15	0.00432	0.000875	2.76E-07	2.60E-08	1.58E-05	4.97E-09	4.69E-10
486633.18, 3856243.15	0.00436	0.0008831	2.79E-07	2.63E-08	1.59E-05	5.02E-09	4.73E-10
486683.18, 3856243.15	0.00441	0.0008933	2.82E-07	2.66E-08	1.61E-05	5.08E-09	4.79E-10
486733.18, 3856243.15	0.00448	0.0009074	2.86E-07	2.70E-08	1.63E-05	5.16E-09	4.86E-10
486783.18, 3856243.15	0.00454	0.0009196	2.90E-07	2.74E-08	1.66E-05	5.23E-09	4.93E-10
486533.18, 3856293.15	0.00438	0.0008872	2.80E-07	2.64E-08	1.60E-05	5.04E-09	4.75E-10
486583.18, 3856293.15	0.00439	0.0008892	2.81E-07	2.65E-08	1.60E-05	5.05E-09	4.76E-10
486633.18, 3856293.15	0.00442	0.0008953	2.83E-07	2.66E-08	1.61E-05	5.09E-09	4.80E-10
486683.18, 3856293.15	0.00447	0.0009054	2.86E-07	2.69E-08	1.63E-05	5.14E-09	4.85E-10
486733.18, 3856293.15	0.00454	0.0009196	2.90E-07	2.74E-08	1.66E-05	5.23E-09	4.93E-10
486783.18, 3856293.15	0.00459	0.0009297	2.93E-07	2.77E-08	1.67E-05	5.28E-09	4.98E-10
486783.18, 3856343.15	0.00467	0.0009459	2.99E-07	2.81E-08	1.70E-05	5.37E-09	5.07E-10
486833.18, 3856343.15	0.00473	0.0009581	3.02E-07	2.85E-08	1.72E-05	5.44E-09	5.13E-10
486883.18, 3856343.15	0.0048	0.0009723	3.07E-07	2.89E-08	1.75E-05	5.52E-09	5.21E-10
486783.18, 3856393.15	0.00473	0.0009581	3.02E-07	2.85E-08	1.72E-05	5.44E-09	5.13E-10
486833.18, 3856393.15	0.00479	0.0009702	3.06E-07	2.89E-08	1.75E-05	5.51E-09	5.20E-10
486883.18, 3856393.15	0.00483	0.0009783	3.09E-07	2.91E-08	1.76E-05	5.56E-09	5.24E-10
487208.74, 3856886.11	0.00629	0.0012741	4.02E-07	3.79E-08	2.29E-05	7.24E-09	6.83E-10
487258.74, 3856886.11	0.00631	0.0012781	4.03E-07	3.80E-08	2.30E-05	7.26E-09	6.85E-10
487308.74, 3856886.11	0.00633	0.0012822	4.05E-07	3.82E-08	2.31E-05	7.29E-09	6.87E-10
487358.74, 3856886.11	0.00634	0.0012842	4.05E-07	3.82E-08	2.31E-05	7.30E-09	6.88E-10
487208.74, 3856936.11	0.00646	0.0013085	4.13E-07	3.89E-08	2.36E-05	7.44E-09	7.01E-10
487258.74, 3856936.11	0.00648	0.0013125	4.14E-07	3.91E-08	2.36E-05	7.46E-09	7.03E-10
487308.74, 3856936.11	0.00651	0.0013186	4.16E-07	3.92E-08	2.37E-05	7.49E-09	7.06E-10
487358.74, 3856936.11	0.00653	0.0013227	4.17E-07	3.94E-08	2.38E-05	7.52E-09	7.09E-10

487208.74, 3856986.11	0.00663	0.0013429	4.24E-07	4.00E-08	2.42E-05	7.63E-09	7.19E-10
487258.74, 3856986.11	0.00668	0.0013531	4.27E-07	4.03E-08	2.44E-05	7.69E-09	7.25E-10
487308.74, 3856986.11	0.00669	0.0013551	4.28E-07	4.03E-08	2.44E-05	7.70E-09	7.26E-10
487358.74, 3856986.11	0.00674	0.0013652	4.31E-07	4.06E-08	2.46E-05	7.76E-09	7.31E-10
487208.74, 3857036.11	0.00679	0.0013753	4.34E-07	4.09E-08	2.48E-05	7.81E-09	7.37E-10
487258.74, 3857036.11	0.00683	0.0013834	4.37E-07	4.12E-08	2.49E-05	7.86E-09	7.41E-10
487308.74, 3857036.11	0.00689	0.0013956	4.40E-07	4.15E-08	2.51E-05	7.93E-09	7.48E-10
487358.74, 3857036.11	0.00693	0.0014037	4.43E-07	4.18E-08	2.53E-05	7.98E-09	7.52E-10
487427.14, 3856878.23	0.0064	0.0012963	4.09E-07	3.86E-08	2.33E-05	7.37E-09	6.95E-10
487477.14, 3856878.23	0.00645	0.0013065	4.12E-07	3.89E-08	2.35E-05	7.42E-09	7.00E-10
487527.14, 3856878.23	0.0065	0.0013166	4.16E-07	3.92E-08	2.37E-05	7.48E-09	7.05E-10
487427.14, 3856928.23	0.00657	0.0013308	4.20E-07	3.96E-08	2.40E-05	7.56E-09	7.13E-10
487477.14, 3856928.23	0.00659	0.0013348	4.21E-07	3.97E-08	2.40E-05	7.58E-09	7.15E-10
487527.14, 3856928.23	0.00664	0.001345	4.24E-07	4.00E-08	2.42E-05	7.64E-09	7.21E-10
487577.14, 3856928.23	0.0067	0.0013571	4.28E-07	4.04E-08	2.44E-05	7.71E-09	7.27E-10
487627.14, 3856928.23	0.00673	0.0013632	4.30E-07	4.06E-08	2.45E-05	7.75E-09	7.30E-10
487677.14, 3856928.23	0.00681	0.0013794	4.35E-07	4.10E-08	2.48E-05	7.84E-09	7.39E-10
487727.14, 3856928.23	0.00692	0.0014017	4.42E-07	4.17E-08	2.52E-05	7.96E-09	7.51E-10
487777.14, 3856928.23	0.00699	0.0014158	4.47E-07	4.21E-08	2.55E-05	8.05E-09	7.59E-10
487427.14, 3856978.23	0.00673	0.0013632	4.30E-07	4.06E-08	2.45E-05	7.75E-09	7.30E-10
487477.14, 3856978.23	0.00678	0.0013733	4.33E-07	4.09E-08	2.47E-05	7.80E-09	7.36E-10
487527.14, 3856978.23	0.00682	0.0013814	4.36E-07	4.11E-08	2.49E-05	7.85E-09	7.40E-10
487577.14, 3856978.23	0.00686	0.0013895	4.39E-07	4.13E-08	2.50E-05	7.90E-09	7.44E-10
487627.14, 3856978.23	0.00688	0.0013936	4.40E-07	4.15E-08	2.51E-05	7.92E-09	7.47E-10
487677.14, 3856978.23	0.00696	0.0014098	4.45E-07	4.20E-08	2.54E-05	8.01E-09	7.55E-10
487727.14, 3856978.23	0.00694	0.0014057	4.44E-07	4.18E-08	2.53E-05	7.99E-09	7.53E-10
487777.14, 3856978.23	0.00714	0.0014462	4.56E-07	4.30E-08	2.60E-05	8.22E-09	7.75E-10
487427.14, 3857028.23	0.00694	0.0014057	4.44E-07	4.18E-08	2.53E-05	7.99E-09	7.53E-10
487477.14, 3857028.23	0.00698	0.0014138	4.46E-07	4.21E-08	2.55E-05	8.03E-09	7.57E-10
487527.14, 3857028.23	0.007	0.0014179	4.48E-07	4.22E-08	2.55E-05	8.06E-09	7.60E-10
487577.14, 3857028.23	0.00704	0.001426	4.50E-07	4.24E-08	2.57E-05	8.10E-09	7.64E-10
487627.14, 3857028.23	0.00705	0.001428	4.51E-07	4.25E-08	2.57E-05	8.11E-09	7.65E-10
487677.14, 3857028.23	0.0071	0.0014381	4.54E-07	4.28E-08	2.59E-05	8.17E-09	7.70E-10
487727.14, 3857028.23	0.0072	0.0014584	4.60E-07	4.34E-08	2.63E-05	8.29E-09	7.81E-10
487777.14, 3857028.23	0.00728	0.0014746	4.65E-07	4.39E-08	2.65E-05	8.38E-09	7.90E-10
487427.14, 3857078.23	0.00714	0.0014462	4.56E-07	4.30E-08	2.60E-05	8.22E-09	7.75E-10
487477.14, 3857078.23	0.00716	0.0014503	4.58E-07	4.32E-08	2.61E-05	8.24E-09	7.77E-10
487527.14, 3857078.23	0.0072	0.0014584	4.60E-07	4.34E-08	2.63E-05	8.29E-09	7.81E-10
487577.14, 3857078.23	0.00723	0.0014645	4.62E-07	4.36E-08	2.64E-05	8.32E-09	7.85E-10
487627.14, 3857078.23	0.00725	0.0014685	4.63E-07	4.37E-08	2.64E-05	8.34E-09	7.87E-10
487677.14, 3857078.23	0.0073	0.0014786	4.67E-07	4.40E-08	2.66E-05	8.40E-09	7.92E-10
487727.14, 3857078.23	0.00737	0.0014928	4.71E-07	4.44E-08	2.69E-05	8.48E-09	8.00E-10
487777.14, 3857078.23	0.00741	0.0015009	4.74E-07	4.47E-08	2.70E-05	8.53E-09	8.04E-10
487427.14, 3857128.23	0.00734	0.0014867	4.69E-07	4.42E-08	2.68E-05	8.45E-09	7.97E-10
487477.14, 3857128.23	0.00735	0.0014888	4.70E-07	4.43E-08	2.68E-05	8.46E-09	7.98E-10
487527.14, 3857128.23	0.00737	0.0014928	4.71E-07	4.44E-08	2.69E-05	8.48E-09	8.00E-10
487577.14, 3857128.23	0.00741	0.0015009	4.74E-07	4.47E-08	2.70E-05	8.53E-09	8.04E-10
487627.14, 3857128.23	0.00745	0.001509	4.76E-07	4.49E-08	2.72E-05	8.57E-09	8.08E-10
487677.14, 3857128.23	0.00747	0.0015131	4.78E-07	4.50E-08	2.72E-05	8.60E-09	8.11E-10
487727.14, 3857128.23	0.00757	0.0015333	4.84E-07	4.56E-08	2.76E-05	8.71E-09	8.21E-10
487777.14, 3857128.23	0.0076	0.0015394	4.86E-07	4.58E-08	2.77E-05	8.75E-09	8.25E-10
488049.44, 3856539.39	0.00715	0.0014483	4.57E-07	4.31E-08	2.61E-05	8.23E-09	7.76E-10
488099.44, 3856539.39	0.00716	0.0014503	4.58E-07	4.32E-08	2.61E-05	8.24E-09	7.77E-10
488149.44, 3856539.39	0.00719	0.0014564	4.60E-07	4.33E-08	2.62E-05	8.28E-09	7.80E-10
488049.44, 3856589.39	0.00729	0.0014766	4.66E-07	4.39E-08	2.66E-05	8.39E-09	7.91E-10
488099.44, 3856589.39	0.00733	0.0014847	4.69E-07	4.42E-08	2.67E-05	8.44E-09	7.95E-10
488149.44, 3856589.39	0.00737	0.0014928	4.71E-07	4.44E-08	2.69E-05	8.48E-09	8.00E-10
488199.44, 3856589.39	0.00737	0.0014928	4.71E-07	4.44E-08	2.69E-05	8.48E-09	8.00E-10
488249.44, 3856589.39	0.00748	0.0015151	4.78E-07	4.51E-08	2.73E-05	8.61E-09	8.12E-10
488049.44, 3856639.39	0.00739	0.0014969	4.72E-07	4.45E-08	2.69E-05	8.51E-09	8.02E-10

488099.44, 3856639.39	0.00745	0.001509	4.76E-07	4.49E-08	2.72E-05	8.57E-09	8.08E-10
488149.44, 3856639.39	0.00751	0.0015212	4.80E-07	4.53E-08	2.74E-05	8.64E-09	8.15E-10
488199.44, 3856639.39	0.00759	0.0015374	4.85E-07	4.57E-08	2.77E-05	8.74E-09	8.24E-10
488249.44, 3856639.39	0.00765	0.0015495	4.89E-07	4.61E-08	2.79E-05	8.80E-09	8.30E-10
488299.44, 3856639.39	0.00769	0.0015576	4.92E-07	4.64E-08	2.80E-05	8.85E-09	8.35E-10
488349.44, 3856639.39	0.0077	0.0015597	4.92E-07	4.64E-08	2.81E-05	8.86E-09	8.36E-10
488399.44, 3856639.39	0.00777	0.0015738	4.97E-07	4.68E-08	2.83E-05	8.94E-09	8.43E-10
488099.44, 3856689.39	0.00757	0.0015333	4.84E-07	4.56E-08	2.76E-05	8.71E-09	8.21E-10
488149.44, 3856689.39	0.00764	0.0015475	4.88E-07	4.61E-08	2.79E-05	8.79E-09	8.29E-10
488199.44, 3856689.39	0.00774	0.0015678	4.95E-07	4.67E-08	2.82E-05	8.91E-09	8.40E-10
488249.44, 3856689.39	0.00778	0.0015759	4.97E-07	4.69E-08	2.84E-05	8.95E-09	8.44E-10
488299.44, 3856689.39	0.00789	0.0015981	5.04E-07	4.76E-08	2.88E-05	9.08E-09	8.56E-10
488349.44, 3856689.39	0.00792	0.0016042	5.06E-07	4.77E-08	2.89E-05	9.12E-09	8.59E-10
488399.44, 3856689.39	0.00787	0.0015941	5.03E-07	4.74E-08	2.87E-05	9.06E-09	8.54E-10
488099.44, 3856739.39	0.00768	0.0015556	4.91E-07	4.63E-08	2.80E-05	8.84E-09	8.33E-10
488149.44, 3856739.39	0.00774	0.0015678	4.95E-07	4.67E-08	2.82E-05	8.91E-09	8.40E-10
488199.44, 3856739.39	0.00789	0.0015981	5.04E-07	4.76E-08	2.88E-05	9.08E-09	8.56E-10
488249.44, 3856739.39	0.00795	0.0016103	5.08E-07	4.79E-08	2.90E-05	9.15E-09	8.63E-10
488299.44, 3856739.39	0.00794	0.0016083	5.08E-07	4.79E-08	2.90E-05	9.14E-09	8.62E-10
488349.44, 3856739.39	0.00811	0.0016427	5.18E-07	4.89E-08	2.96E-05	9.33E-09	8.80E-10
488399.44, 3856739.39	0.00825	0.0016711	5.27E-07	4.97E-08	3.01E-05	9.50E-09	8.95E-10
487999.44, 3856789.39	0.00739	0.0014969	4.72E-07	4.45E-08	2.69E-05	8.51E-09	8.02E-10
488049.44, 3856789.39	0.00752	0.0015232	4.81E-07	4.53E-08	2.74E-05	8.66E-09	8.16E-10
488099.44, 3856789.39	0.00771	0.0015617	4.93E-07	4.65E-08	2.81E-05	8.87E-09	8.37E-10
488149.44, 3856789.39	0.00782	0.001584	5.00E-07	4.71E-08	2.85E-05	9.00E-09	8.49E-10
488199.44, 3856789.39	0.00796	0.0016123	5.09E-07	4.80E-08	2.90E-05	9.16E-09	8.64E-10
488249.44, 3856789.39	0.00806	0.0016326	5.15E-07	4.86E-08	2.94E-05	9.28E-09	8.75E-10
488299.44, 3856789.39	0.00809	0.0016387	5.17E-07	4.88E-08	2.95E-05	9.31E-09	8.78E-10
488349.44, 3856789.39	0.00829	0.0016792	5.30E-07	5.00E-08	3.02E-05	9.54E-09	9.00E-10
488399.44, 3856789.39	0.00843	0.0017075	5.39E-07	5.08E-08	3.07E-05	9.70E-09	9.15E-10
487949.44, 3856839.39	0.00727	0.0014726	4.65E-07	4.38E-08	2.65E-05	8.37E-09	7.89E-10
487999.44, 3856839.39	0.00741	0.0015009	4.74E-07	4.47E-08	2.70E-05	8.53E-09	8.04E-10
488049.44, 3856839.39	0.00755	0.0015293	4.83E-07	4.55E-08	2.75E-05	8.69E-09	8.19E-10
488099.44, 3856839.39	0.00771	0.0015617	4.93E-07	4.65E-08	2.81E-05	8.87E-09	8.37E-10
488149.44, 3856839.39	0.00788	0.0015961	5.04E-07	4.75E-08	2.87E-05	9.07E-09	8.55E-10
488199.44, 3856839.39	0.00804	0.0016285	5.14E-07	4.85E-08	2.93E-05	9.25E-09	8.72E-10
487949.44, 3856889.39	0.00729	0.0014766	4.66E-07	4.39E-08	2.66E-05	8.39E-09	7.91E-10
487999.44, 3856889.39	0.00747	0.0015131	4.78E-07	4.50E-08	2.72E-05	8.60E-09	8.11E-10
488049.44, 3856889.39	0.00756	0.0015313	4.83E-07	4.56E-08	2.76E-05	8.70E-09	8.20E-10
488099.44, 3856889.39	0.00775	0.0015698	4.95E-07	4.67E-08	2.83E-05	8.92E-09	8.41E-10
488635.86, 3857895.05	0.01289	0.0026109	8.24E-07	7.77E-08	4.70E-05	1.48E-08	1.40E-09
489137.64, 3857804.15	0.01294	0.002621	8.27E-07	7.80E-08	4.72E-05	1.49E-08	1.40E-09
488617.32, 3857859.41	0.01268	0.0025684	8.11E-07	7.64E-08	4.62E-05	1.46E-08	1.38E-09
488667.32, 3857859.41	0.01269	0.0025704	8.11E-07	7.65E-08	4.63E-05	1.46E-08	1.38E-09
488717.32, 3857859.41	0.01271	0.0025745	8.13E-07	7.66E-08	4.63E-05	1.46E-08	1.38E-09
488767.32, 3857859.41	0.01291	0.002615	8.25E-07	7.78E-08	4.71E-05	1.49E-08	1.40E-09
488617.32, 3857909.41	0.01293	0.002619	8.27E-07	7.79E-08	4.72E-05	1.49E-08	1.40E-09
488667.32, 3857909.41	0.01317	0.0026676	8.42E-07	7.94E-08	4.80E-05	1.52E-08	1.43E-09
488717.32, 3857909.41	0.013	0.0026332	8.31E-07	7.84E-08	4.74E-05	1.50E-08	1.41E-09
488767.32, 3857909.41	0.01316	0.0026656	8.41E-07	7.93E-08	4.80E-05	1.51E-08	1.43E-09
488417.32, 3857959.41	0.01269	0.0025704	8.11E-07	7.65E-08	4.63E-05	1.46E-08	1.38E-09
488467.32, 3857959.41	0.01285	0.0026028	8.21E-07	7.75E-08	4.69E-05	1.48E-08	1.39E-09
488517.32, 3857959.41	0.01302	0.0026372	8.32E-07	7.85E-08	4.75E-05	1.50E-08	1.41E-09
488567.32, 3857959.41	0.01319	0.0026717	8.43E-07	7.95E-08	4.81E-05	1.52E-08	1.43E-09
488617.32, 3857959.41	0.01325	0.0026838	8.47E-07	7.99E-08	4.83E-05	1.53E-08	1.44E-09
488667.32, 3857959.41	0.01329	0.0026919	8.50E-07	8.01E-08	4.85E-05	1.53E-08	1.44E-09
488717.32, 3857959.41	0.01342	0.0027183	8.58E-07	8.09E-08	4.89E-05	1.54E-08	1.46E-09
488767.32, 3857959.41	0.01346	0.0027264	8.60E-07	8.11E-08	4.91E-05	1.55E-08	1.46E-09
488417.32, 3858009.41	0.01287	0.0026069	8.23E-07	7.76E-08	4.69E-05	1.48E-08	1.40E-09
488467.32, 3858009.41	0.0131	0.0026535	8.37E-07	7.90E-08	4.78E-05	1.51E-08	1.42E-09

488517.32, 3858009.41	0.01329	0.0026919	8.50E-07	8.01E-08	4.85E-05	1.53E-08	1.44E-09
488567.32, 3858009.41	0.01351	0.0027365	8.64E-07	8.14E-08	4.93E-05	1.55E-08	1.47E-09
488617.32, 3858009.41	0.01353	0.0027406	8.65E-07	8.16E-08	4.93E-05	1.56E-08	1.47E-09
488667.32, 3858009.41	0.01355	0.0027446	8.66E-07	8.17E-08	4.94E-05	1.56E-08	1.47E-09
488717.32, 3858009.41	0.01364	0.0027628	8.72E-07	8.22E-08	4.97E-05	1.57E-08	1.48E-09
488767.32, 3858009.41	0.01372	0.002779	8.77E-07	8.27E-08	5.00E-05	1.58E-08	1.49E-09
488417.32, 3858059.41	0.01311	0.0026555	8.38E-07	7.90E-08	4.78E-05	1.51E-08	1.42E-09
488467.32, 3858059.41	0.01336	0.0027061	8.54E-07	8.05E-08	4.87E-05	1.54E-08	1.45E-09
488517.32, 3858059.41	0.01356	0.0027466	8.67E-07	8.17E-08	4.94E-05	1.56E-08	1.47E-09
488567.32, 3858059.41	0.01377	0.0027892	8.80E-07	8.30E-08	5.02E-05	1.58E-08	1.49E-09
488617.32, 3858059.41	0.01393	0.0028216	8.91E-07	8.40E-08	5.08E-05	1.60E-08	1.51E-09
488667.32, 3858059.41	0.01394	0.0028236	8.91E-07	8.40E-08	5.08E-05	1.60E-08	1.51E-09
488417.32, 3858109.41	0.01309	0.0026514	8.37E-07	7.89E-08	4.77E-05	1.51E-08	1.42E-09
488467.32, 3858109.41	0.01343	0.0027203	8.59E-07	8.10E-08	4.90E-05	1.55E-08	1.46E-09
488517.32, 3858109.41	0.01375	0.0027851	8.79E-07	8.29E-08	5.01E-05	1.58E-08	1.49E-09
488567.32, 3858109.41	0.01397	0.0028297	8.93E-07	8.42E-08	5.09E-05	1.61E-08	1.52E-09
488617.32, 3858109.41	0.01421	0.0028783	9.08E-07	8.57E-08	5.18E-05	1.64E-08	1.54E-09
488667.32, 3858109.41	0.01422	0.0028803	9.09E-07	8.57E-08	5.19E-05	1.64E-08	1.54E-09
488769.93, 3858449.27	0.01532	0.0031031	9.79E-07	9.23E-08	5.59E-05	1.76E-08	1.66E-09
488819.93, 3858449.27	0.01536	0.0031112	9.82E-07	9.26E-08	5.60E-05	1.77E-08	1.67E-09
488819.93, 3858499.27	0.01554	0.0031477	9.93E-07	9.37E-08	5.67E-05	1.79E-08	1.69E-09
488869.93, 3858499.27	0.01555	0.0031497	9.94E-07	9.37E-08	5.67E-05	1.79E-08	1.69E-09
488869.93, 3858549.27	0.01572	0.0031841	1.00E-06	9.48E-08	5.73E-05	1.81E-08	1.71E-09
489438.17, 3859571.48	0.0232	0.0046992	1.48E-06	1.40E-07	8.46E-05	2.67E-08	2.52E-09
489488.17, 3859571.48	0.02359	0.0047782	1.51E-06	1.42E-07	8.60E-05	2.72E-08	2.56E-09
489538.17, 3859571.48	0.02396	0.0048532	1.53E-06	1.44E-07	8.74E-05	2.76E-08	2.60E-09
489588.17, 3859571.48	0.02454	0.0049707	1.57E-06	1.48E-07	8.95E-05	2.82E-08	2.66E-09
489438.17, 3859621.48	0.02286	0.0046304	1.46E-06	1.38E-07	8.34E-05	2.63E-08	2.48E-09
489488.17, 3859621.48	0.02339	0.0047377	1.50E-06	1.41E-07	8.53E-05	2.69E-08	2.54E-09
489538.17, 3859621.48	0.02384	0.0048289	1.52E-06	1.44E-07	8.69E-05	2.74E-08	2.59E-09
489588.17, 3859621.48	0.02405	0.0048714	1.54E-06	1.45E-07	8.77E-05	2.77E-08	2.61E-09
489238.17, 3859671.48	0.02078	0.0042091	1.33E-06	1.25E-07	7.58E-05	2.39E-08	2.26E-09
489288.17, 3859671.48	0.02122	0.0042982	1.36E-06	1.28E-07	7.74E-05	2.44E-08	2.30E-09
489338.17, 3859671.48	0.02155	0.004365	1.38E-06	1.30E-07	7.86E-05	2.48E-08	2.34E-09
489388.17, 3859671.48	0.02171	0.0043974	1.39E-06	1.31E-07	7.92E-05	2.50E-08	2.36E-09
489438.17, 3859671.48	0.02229	0.0045149	1.42E-06	1.34E-07	8.13E-05	2.57E-08	2.42E-09
489488.17, 3859671.48	0.0225	0.0045575	1.44E-06	1.36E-07	8.20E-05	2.59E-08	2.44E-09
489538.17, 3859671.48	0.0229	0.0046385	1.46E-06	1.38E-07	8.35E-05	2.64E-08	2.49E-09
489588.17, 3859671.48	0.02322	0.0047033	1.48E-06	1.40E-07	8.47E-05	2.67E-08	2.52E-09
489238.17, 3859721.48	0.02059	0.0041706	1.32E-06	1.24E-07	7.51E-05	2.37E-08	2.23E-09
489288.17, 3859721.48	0.02057	0.0041665	1.32E-06	1.24E-07	7.50E-05	2.37E-08	2.23E-09
489338.17, 3859721.48	0.02082	0.0042172	1.33E-06	1.25E-07	7.59E-05	2.40E-08	2.26E-09
489388.17, 3859721.48	0.02115	0.004284	1.35E-06	1.27E-07	7.71E-05	2.43E-08	2.30E-09
489438.17, 3859721.48	0.02162	0.0043792	1.38E-06	1.30E-07	7.88E-05	2.49E-08	2.35E-09
489488.17, 3859721.48	0.02169	0.0043934	1.39E-06	1.31E-07	7.91E-05	2.50E-08	2.35E-09
489538.17, 3859721.48	0.02196	0.0044481	1.40E-06	1.32E-07	8.01E-05	2.53E-08	2.38E-09
489588.17, 3859721.48	0.02228	0.0045129	1.42E-06	1.34E-07	8.12E-05	2.56E-08	2.42E-09
489238.17, 3859771.48	0.02066	0.0041848	1.32E-06	1.25E-07	7.53E-05	2.38E-08	2.24E-09
489288.17, 3859771.48	0.02052	0.0041564	1.31E-06	1.24E-07	7.48E-05	2.36E-08	2.23E-09
489338.17, 3859771.48	0.02078	0.0042091	1.33E-06	1.25E-07	7.58E-05	2.39E-08	2.26E-09
489388.17, 3859771.48	0.0209	0.0042334	1.34E-06	1.26E-07	7.62E-05	2.41E-08	2.27E-09
489438.17, 3859771.48	0.02128	0.0043103	1.36E-06	1.28E-07	7.76E-05	2.45E-08	2.31E-09
489488.17, 3859771.48	0.02106	0.0042658	1.35E-06	1.27E-07	7.68E-05	2.42E-08	2.29E-09
489538.17, 3859771.48	0.02105	0.0042638	1.35E-06	1.27E-07	7.68E-05	2.42E-08	2.28E-09
489588.17, 3859771.48	0.02146	0.0043468	1.37E-06	1.29E-07	7.83E-05	2.47E-08	2.33E-09
489238.17, 3859821.48	0.02114	0.004282	1.35E-06	1.27E-07	7.71E-05	2.43E-08	2.29E-09
489288.17, 3859821.48	0.02087	0.0042273	1.33E-06	1.26E-07	7.61E-05	2.40E-08	2.26E-09
489338.17, 3859821.48	0.02095	0.0042435	1.34E-06	1.26E-07	7.64E-05	2.41E-08	2.27E-09
489388.17, 3859821.48	0.02099	0.0042516	1.34E-06	1.27E-07	7.65E-05	2.42E-08	2.28E-09
489438.17, 3859821.48	0.02076	0.004205	1.33E-06	1.25E-07	7.57E-05	2.39E-08	2.25E-09

489488.17, 3859821.48	0.0206	0.0041726	1.32E-06	1.24E-07	7.51E-05	2.37E-08	2.24E-09
489538.17, 3859821.48	0.02047	0.0041463	1.31E-06	1.23E-07	7.46E-05	2.36E-08	2.22E-09
489588.17, 3859821.48	0.02072	0.0041969	1.32E-06	1.25E-07	7.56E-05	2.38E-08	2.25E-09
489238.17, 3859871.48	0.02165	0.0043853	1.38E-06	1.30E-07	7.90E-05	2.49E-08	2.35E-09
489288.17, 3859871.48	0.02153	0.004361	1.38E-06	1.30E-07	7.85E-05	2.48E-08	2.34E-09
489338.17, 3859871.48	0.02143	0.0043407	1.37E-06	1.29E-07	7.81E-05	2.47E-08	2.33E-09
489388.17, 3859871.48	0.02113	0.00428	1.35E-06	1.27E-07	7.71E-05	2.43E-08	2.29E-09
489438.17, 3859871.48	0.02053	0.0041584	1.31E-06	1.24E-07	7.49E-05	2.36E-08	2.23E-09
489488.17, 3859871.48	0.01984	0.0040187	1.27E-06	1.20E-07	7.23E-05	2.28E-08	2.15E-09
489538.17, 3859871.48	0.02008	0.0040673	1.28E-06	1.21E-07	7.32E-05	2.31E-08	2.18E-09
489588.17, 3859871.48	0.02009	0.0040693	1.28E-06	1.21E-07	7.33E-05	2.31E-08	2.18E-09
489238.17, 3859921.48	0.02204	0.0044643	1.41E-06	1.33E-07	8.04E-05	2.54E-08	2.39E-09
489288.17, 3859921.48	0.02168	0.0043914	1.39E-06	1.31E-07	7.91E-05	2.50E-08	2.35E-09
489338.17, 3859921.48	0.02152	0.004359	1.38E-06	1.30E-07	7.85E-05	2.48E-08	2.34E-09
489388.17, 3859921.48	0.02102	0.0042577	1.34E-06	1.27E-07	7.67E-05	2.42E-08	2.28E-09
489438.17, 3859921.48	0.02018	0.0040875	1.29E-06	1.22E-07	7.36E-05	2.32E-08	2.19E-09
489488.17, 3859921.48	0.01991	0.0040328	1.27E-06	1.20E-07	7.26E-05	2.29E-08	2.16E-09
489538.17, 3859921.48	0.01989	0.0040288	1.27E-06	1.20E-07	7.25E-05	2.29E-08	2.16E-09
489588.17, 3859921.48	0.019	0.0038485	1.21E-06	1.15E-07	6.93E-05	2.19E-08	2.06E-09
489238.17, 3859971.48	0.02234	0.004525	1.43E-06	1.35E-07	8.15E-05	2.57E-08	2.42E-09
489288.17, 3859971.48	0.02217	0.0044906	1.42E-06	1.34E-07	8.08E-05	2.55E-08	2.41E-09
489338.17, 3859971.48	0.02177	0.0044096	1.39E-06	1.31E-07	7.94E-05	2.51E-08	2.36E-09
489388.17, 3859971.48	0.02099	0.0042516	1.34E-06	1.27E-07	7.65E-05	2.42E-08	2.28E-09
489438.17, 3859971.48	0.01994	0.0040389	1.27E-06	1.20E-07	7.27E-05	2.29E-08	2.16E-09
489488.17, 3859971.48	0.01873	0.0037938	1.20E-06	1.13E-07	6.83E-05	2.16E-08	2.03E-09
489538.17, 3859971.48	0.01812	0.0036703	1.16E-06	1.09E-07	6.61E-05	2.09E-08	1.97E-09
489588.17, 3859971.48	0.01774	0.0035933	1.13E-06	1.07E-07	6.47E-05	2.04E-08	1.93E-09
483577.7, 3854071	0.00415	0.0008406	2.65E-07	2.50E-08	1.51E-05	4.78E-09	4.50E-10
483627.7, 3854071	0.00413	0.0008365	2.64E-07	2.49E-08	1.51E-05	4.75E-09	4.48E-10
483677.7, 3854071	0.00409	0.0008284	2.61E-07	2.47E-08	1.49E-05	4.71E-09	4.44E-10
483727.7, 3854071	0.00404	0.0008183	2.58E-07	2.44E-08	1.47E-05	4.65E-09	4.38E-10
483777.7, 3854071	0.00395	0.0008001	2.53E-07	2.38E-08	1.44E-05	4.55E-09	4.29E-10
483577.7, 3854121	0.0041	0.0008305	2.62E-07	2.47E-08	1.50E-05	4.72E-09	4.45E-10
483627.7, 3854121	0.00404	0.0008183	2.58E-07	2.44E-08	1.47E-05	4.65E-09	4.38E-10
483677.7, 3854121	0.00395	0.0008001	2.53E-07	2.38E-08	1.44E-05	4.55E-09	4.29E-10
483727.7, 3854121	0.00385	0.0007798	2.46E-07	2.32E-08	1.40E-05	4.43E-09	4.18E-10
483777.7, 3854121	0.00381	0.0007717	2.44E-07	2.30E-08	1.39E-05	4.39E-09	4.13E-10
483577.7, 3854171	0.00396	0.0008021	2.53E-07	2.39E-08	1.44E-05	4.56E-09	4.30E-10
483627.7, 3854171	0.00385	0.0007798	2.46E-07	2.32E-08	1.40E-05	4.43E-09	4.18E-10
483677.7, 3854171	0.00378	0.0007657	2.42E-07	2.28E-08	1.38E-05	4.35E-09	4.10E-10
483727.7, 3854171	0.00373	0.0007555	2.38E-07	2.25E-08	1.36E-05	4.29E-09	4.05E-10
483777.7, 3854171	0.00367	0.0007434	2.35E-07	2.21E-08	1.34E-05	4.22E-09	3.98E-10
483827.7, 3854171	0.00357	0.0007231	2.28E-07	2.15E-08	1.30E-05	4.11E-09	3.87E-10
483877.7, 3854171	0.00353	0.000715	2.26E-07	2.13E-08	1.29E-05	4.06E-09	3.83E-10
483727.7, 3854221	0.00363	0.0007353	2.32E-07	2.19E-08	1.32E-05	4.18E-09	3.94E-10
483777.7, 3854221	0.00357	0.0007231	2.28E-07	2.15E-08	1.30E-05	4.11E-09	3.87E-10
483827.7, 3854221	0.00357	0.0007231	2.28E-07	2.15E-08	1.30E-05	4.11E-09	3.87E-10
483877.7, 3854221	0.0035	0.0007089	2.24E-07	2.11E-08	1.28E-05	4.03E-09	3.80E-10
489150.19, 3858726.45	0.01595	0.0032307	1.02E-06	9.61E-08	5.82E-05	1.84E-08	1.73E-09
489200.19, 3858726.45	0.01599	0.0032388	1.02E-06	9.64E-08	5.83E-05	1.84E-08	1.74E-09
489150.19, 3858776.45	0.01631	0.0033036	1.04E-06	9.83E-08	5.95E-05	1.88E-08	1.77E-09
489200.19, 3858776.45	0.01615	0.0032712	1.03E-06	9.73E-08	5.89E-05	1.86E-08	1.75E-09
488919.6, 3856400.76	0.00709	0.0014361	4.53E-07	4.27E-08	2.59E-05	8.16E-09	7.69E-10
488919.6, 3856450.76	0.00723	0.0014645	4.62E-07	4.36E-08	2.64E-05	8.32E-09	7.85E-10
488969.6, 3856450.76	0.00725	0.0014685	4.63E-07	4.37E-08	2.64E-05	8.34E-09	7.87E-10
488919.6, 3856500.76	0.00737	0.0014928	4.71E-07	4.44E-08	2.69E-05	8.48E-09	8.00E-10
488969.6, 3856500.76	0.00743	0.001505	4.75E-07	4.48E-08	2.71E-05	8.55E-09	8.06E-10
488919.6, 3856550.76	0.00756	0.0015313	4.83E-07	4.56E-08	2.76E-05	8.70E-09	8.20E-10
488969.6, 3856550.76	0.00759	0.0015374	4.85E-07	4.57E-08	2.77E-05	8.74E-09	8.24E-10
488819.6, 3856600.76	0.00762	0.0015435	4.87E-07	4.59E-08	2.78E-05	8.77E-09	8.27E-10

488869.6, 3856600.76	0.00765	0.0015495	4.89E-07	4.61E-08	2.79E-05	8.80E-09	8.30E-10
488919.6, 3856600.76	0.00771	0.0015617	4.93E-07	4.65E-08	2.81E-05	8.87E-09	8.37E-10
488819.6, 3856650.76	0.00781	0.0015819	4.99E-07	4.71E-08	2.85E-05	8.99E-09	8.48E-10
488869.6, 3856650.76	0.00783	0.001586	5.01E-07	4.72E-08	2.86E-05	9.01E-09	8.50E-10
488819.6, 3856700.76	0.00804	0.0016285	5.14E-07	4.85E-08	2.93E-05	9.25E-09	8.72E-10
488869.6, 3856700.76	0.00803	0.0016265	5.13E-07	4.84E-08	2.93E-05	9.24E-09	8.71E-10
488819.6, 3856750.76	0.00825	0.0016711	5.27E-07	4.97E-08	3.01E-05	9.50E-09	8.95E-10
488869.6, 3856750.76	0.00827	0.0016751	5.29E-07	4.98E-08	3.02E-05	9.52E-09	8.97E-10
488819.6, 3857050.76	0.00988	0.0020012	6.32E-07	5.96E-08	3.60E-05	1.14E-08	1.07E-09
488869.6, 3857050.76	0.00997	0.0020195	6.37E-07	6.01E-08	3.64E-05	1.15E-08	1.08E-09
488919.6, 3857050.76	0.01	0.0020255	6.39E-07	6.03E-08	3.65E-05	1.15E-08	1.09E-09
488819.6, 3857100.76	0.01009	0.0020438	6.45E-07	6.08E-08	3.68E-05	1.16E-08	1.09E-09
488869.6, 3857100.76	0.01017	0.00206	6.50E-07	6.13E-08	3.71E-05	1.17E-08	1.10E-09
488919.6, 3857100.76	0.01027	0.0020802	6.57E-07	6.19E-08	3.75E-05	1.18E-08	1.11E-09
488819.6, 3857150.76	0.01027	0.0020802	6.57E-07	6.19E-08	3.75E-05	1.18E-08	1.11E-09
488869.6, 3857150.76	0.0104	0.0021066	6.65E-07	6.27E-08	3.79E-05	1.20E-08	1.13E-09
488919.6, 3857150.76	0.01049	0.0021248	6.71E-07	6.32E-08	3.83E-05	1.21E-08	1.14E-09
488969.6, 3857150.76	0.01056	0.002139	6.75E-07	6.37E-08	3.85E-05	1.22E-08	1.15E-09
488819.6, 3857200.76	0.01043	0.0021126	6.67E-07	6.29E-08	3.80E-05	1.20E-08	1.13E-09
488869.6, 3857200.76	0.01059	0.002145	6.77E-07	6.38E-08	3.86E-05	1.22E-08	1.15E-09
488919.6, 3857200.76	0.01072	0.0021714	6.85E-07	6.46E-08	3.91E-05	1.23E-08	1.16E-09
488969.6, 3857200.76	0.01079	0.0021856	6.90E-07	6.50E-08	3.93E-05	1.24E-08	1.17E-09
488819.6, 3857250.76	0.01054	0.0021349	6.74E-07	6.35E-08	3.84E-05	1.21E-08	1.14E-09
488869.6, 3857250.76	0.01071	0.0021693	6.85E-07	6.46E-08	3.91E-05	1.23E-08	1.16E-09
488919.6, 3857250.76	0.01086	0.0021997	6.94E-07	6.55E-08	3.96E-05	1.25E-08	1.18E-09
488969.6, 3857250.76	0.01099	0.0022261	7.03E-07	6.62E-08	4.01E-05	1.26E-08	1.19E-09
488819.6, 3857300.76	0.01067	0.0021612	6.82E-07	6.43E-08	3.89E-05	1.23E-08	1.16E-09
488869.6, 3857300.76	0.01085	0.0021977	6.94E-07	6.54E-08	3.96E-05	1.25E-08	1.18E-09
488919.6, 3857300.76	0.01104	0.0022362	7.06E-07	6.65E-08	4.03E-05	1.27E-08	1.20E-09
488819.6, 3857450.76	0.01106	0.0022402	7.07E-07	6.67E-08	4.03E-05	1.27E-08	1.20E-09
488869.6, 3857450.76	0.0112	0.0022686	7.16E-07	6.75E-08	4.08E-05	1.29E-08	1.22E-09
488919.6, 3857450.76	0.01145	0.0023192	7.32E-07	6.90E-08	4.18E-05	1.32E-08	1.24E-09
488819.6, 3857500.76	0.01118	0.0022645	7.15E-07	6.74E-08	4.08E-05	1.29E-08	1.21E-09
488869.6, 3857500.76	0.01138	0.0023051	7.28E-07	6.86E-08	4.15E-05	1.31E-08	1.23E-09
488919.6, 3857500.76	0.0116	0.0023496	7.42E-07	6.99E-08	4.23E-05	1.34E-08	1.26E-09
488819.6, 3857550.76	0.01137	0.002303	7.27E-07	6.85E-08	4.15E-05	1.31E-08	1.23E-09
488869.6, 3857550.76	0.01154	0.0023375	7.38E-07	6.96E-08	4.21E-05	1.33E-08	1.25E-09
488919.6, 3857550.76	0.01178	0.0023861	7.53E-07	7.10E-08	4.30E-05	1.36E-08	1.28E-09
489663.71, 3860900.05	0.0327	0.0066235	2.09E-06	1.97E-07	1.19E-04	3.76E-08	3.55E-09
489813.71, 3860900.05	0.03414	0.0069152	2.18E-06	2.06E-07	1.24E-04	3.93E-08	3.70E-09
489863.71, 3860900.05	0.03494	0.0070772	2.23E-06	2.11E-07	1.27E-04	4.02E-08	3.79E-09
489913.71, 3860900.05	0.03512	0.0071137	2.25E-06	2.12E-07	1.28E-04	4.04E-08	3.81E-09
489963.71, 3860900.05	0.03592	0.0072757	2.30E-06	2.17E-07	1.31E-04	4.13E-08	3.90E-09
490013.71, 3860900.05	0.03604	0.0073	2.30E-06	2.17E-07	1.31E-04	4.15E-08	3.91E-09
490063.71, 3860900.05	0.03649	0.0073912	2.33E-06	2.20E-07	1.33E-04	4.20E-08	3.96E-09
489663.71, 3860950.05	0.03276	0.0066357	2.09E-06	1.97E-07	1.19E-04	3.77E-08	3.56E-09
489813.71, 3860950.05	0.03419	0.0069253	2.19E-06	2.06E-07	1.25E-04	3.94E-08	3.71E-09
489863.71, 3860950.05	0.03505	0.0070995	2.24E-06	2.11E-07	1.28E-04	4.03E-08	3.80E-09
489913.71, 3860950.05	0.03538	0.0071663	2.26E-06	2.13E-07	1.29E-04	4.07E-08	3.84E-09
489963.71, 3860950.05	0.03604	0.0073	2.30E-06	2.17E-07	1.31E-04	4.15E-08	3.91E-09
490013.71, 3860950.05	0.03646	0.0073851	2.33E-06	2.20E-07	1.33E-04	4.20E-08	3.96E-09
490063.71, 3860950.05	0.03683	0.00746	2.35E-06	2.22E-07	1.34E-04	4.24E-08	4.00E-09
489513.71, 3861000.05	0.0313	0.0063399	2.00E-06	1.89E-07	1.14E-04	3.60E-08	3.40E-09
489563.71, 3861000.05	0.03192	0.0064655	2.04E-06	1.92E-07	1.16E-04	3.67E-08	3.46E-09
489613.71, 3861000.05	0.03234	0.0065506	2.07E-06	1.95E-07	1.18E-04	3.72E-08	3.51E-09
489663.71, 3861000.05	0.03288	0.00666	2.10E-06	1.98E-07	1.20E-04	3.78E-08	3.57E-09
489713.71, 3861000.05	0.03357	0.0067997	2.15E-06	2.02E-07	1.22E-04	3.86E-08	3.64E-09
489763.71, 3861000.05	0.03414	0.0069152	2.18E-06	2.06E-07	1.24E-04	3.93E-08	3.70E-09
489813.71, 3861000.05	0.03435	0.0069577	2.20E-06	2.07E-07	1.25E-04	3.95E-08	3.73E-09
489863.71, 3861000.05	0.03523	0.007136	2.25E-06	2.12E-07	1.28E-04	4.05E-08	3.82E-09

489913.71, 3861000.05	0.03559	0.0072089	2.28E-06	2.15E-07	1.30E-04	4.10E-08	3.86E-09
489963.71, 3861000.05	0.03641	0.007375	2.33E-06	2.19E-07	1.33E-04	4.19E-08	3.95E-09
490013.71, 3861000.05	0.03688	0.0074702	2.36E-06	2.22E-07	1.34E-04	4.24E-08	4.00E-09
490063.71, 3861000.05	0.03739	0.0075735	2.39E-06	2.25E-07	1.36E-04	4.30E-08	4.06E-09
489513.71, 3861050.05	0.03141	0.0063622	2.01E-06	1.89E-07	1.15E-04	3.62E-08	3.41E-09
489563.71, 3861050.05	0.03208	0.0064979	2.05E-06	1.93E-07	1.17E-04	3.69E-08	3.48E-09
489613.71, 3861050.05	0.03233	0.0065486	2.07E-06	1.95E-07	1.18E-04	3.72E-08	3.51E-09
489663.71, 3861050.05	0.03319	0.0067228	2.12E-06	2.00E-07	1.21E-04	3.82E-08	3.60E-09
489713.71, 3861050.05	0.03396	0.0068787	2.17E-06	2.05E-07	1.24E-04	3.91E-08	3.69E-09
489763.71, 3861050.05	0.0345	0.0069881	2.21E-06	2.08E-07	1.26E-04	3.97E-08	3.74E-09
489813.71, 3861050.05	0.03494	0.0070772	2.23E-06	2.11E-07	1.27E-04	4.02E-08	3.79E-09
489863.71, 3861050.05	0.03564	0.007219	2.28E-06	2.15E-07	1.30E-04	4.10E-08	3.87E-09
489913.71, 3861050.05	0.03625	0.0073426	2.32E-06	2.19E-07	1.32E-04	4.17E-08	3.93E-09
489963.71, 3861050.05	0.03693	0.0074803	2.36E-06	2.23E-07	1.35E-04	4.25E-08	4.01E-09
490013.71, 3861050.05	0.03726	0.0075471	2.38E-06	2.25E-07	1.36E-04	4.29E-08	4.04E-09
490063.71, 3861050.05	0.03791	0.0076788	2.42E-06	2.29E-07	1.38E-04	4.36E-08	4.11E-09
489513.71, 3861100.05	0.03129	0.0063379	2.00E-06	1.89E-07	1.14E-04	3.60E-08	3.40E-09
489563.71, 3861100.05	0.03238	0.0065587	2.07E-06	1.95E-07	1.18E-04	3.73E-08	3.51E-09
489613.71, 3861100.05	0.03348	0.0067815	2.14E-06	2.02E-07	1.22E-04	3.85E-08	3.63E-09
489663.71, 3861100.05	0.03404	0.0068949	2.18E-06	2.05E-07	1.24E-04	3.92E-08	3.69E-09
489713.71, 3861100.05	0.03461	0.0070104	2.21E-06	2.09E-07	1.26E-04	3.98E-08	3.76E-09
489763.71, 3861100.05	0.0352	0.0071299	2.25E-06	2.12E-07	1.28E-04	4.05E-08	3.82E-09
489813.71, 3861100.05	0.03567	0.0072251	2.28E-06	2.15E-07	1.30E-04	4.11E-08	3.87E-09
489863.71, 3861100.05	0.03599	0.0072899	2.30E-06	2.17E-07	1.31E-04	4.14E-08	3.91E-09
489913.71, 3861100.05	0.03689	0.0074722	2.36E-06	2.22E-07	1.35E-04	4.25E-08	4.00E-09
489963.71, 3861100.05	0.03753	0.0076018	2.40E-06	2.26E-07	1.37E-04	4.32E-08	4.07E-09
490013.71, 3861100.05	0.03836	0.00777	2.45E-06	2.31E-07	1.40E-04	4.42E-08	4.16E-09
490063.71, 3861100.05	0.03898	0.0078955	2.49E-06	2.35E-07	1.42E-04	4.49E-08	4.23E-09
489713.71, 3861150.05	0.03519	0.0071279	2.25E-06	2.12E-07	1.28E-04	4.05E-08	3.82E-09
489763.71, 3861150.05	0.03573	0.0072372	2.28E-06	2.15E-07	1.30E-04	4.11E-08	3.88E-09
489813.71, 3861150.05	0.03623	0.0073385	2.32E-06	2.18E-07	1.32E-04	4.17E-08	3.93E-09
489863.71, 3861150.05	0.03686	0.0074661	2.36E-06	2.22E-07	1.34E-04	4.24E-08	4.00E-09
489913.71, 3861150.05	0.03759	0.007614	2.40E-06	2.27E-07	1.37E-04	4.33E-08	4.08E-09
489963.71, 3861150.05	0.03842	0.0077821	2.46E-06	2.32E-07	1.40E-04	4.42E-08	4.17E-09
490013.71, 3861150.05	0.03924	0.0079482	2.51E-06	2.37E-07	1.43E-04	4.52E-08	4.26E-09
490063.71, 3861150.05	0.03977	0.0080556	2.54E-06	2.40E-07	1.45E-04	4.58E-08	4.32E-09
489613.71, 3861200.05	0.03466	0.0070205	2.22E-06	2.09E-07	1.26E-04	3.99E-08	3.76E-09
489663.71, 3861200.05	0.03519	0.0071279	2.25E-06	2.12E-07	1.28E-04	4.05E-08	3.82E-09
489713.71, 3861200.05	0.03571	0.0072332	2.28E-06	2.15E-07	1.30E-04	4.11E-08	3.88E-09
489763.71, 3861200.05	0.03627	0.0073466	2.32E-06	2.19E-07	1.32E-04	4.17E-08	3.94E-09
489813.71, 3861200.05	0.0368	0.007454	2.35E-06	2.22E-07	1.34E-04	4.24E-08	3.99E-09
489863.71, 3861200.05	0.03725	0.0075451	2.38E-06	2.25E-07	1.36E-04	4.29E-08	4.04E-09
489913.71, 3861200.05	0.03804	0.0077051	2.43E-06	2.29E-07	1.39E-04	4.38E-08	4.13E-09
489963.71, 3861200.05	0.03895	0.0078895	2.49E-06	2.35E-07	1.42E-04	4.48E-08	4.23E-09
490013.71, 3861200.05	0.03966	0.0080333	2.54E-06	2.39E-07	1.45E-04	4.56E-08	4.30E-09
490063.71, 3861200.05	0.04052	0.0082075	2.59E-06	2.44E-07	1.48E-04	4.66E-08	4.40E-09
489513.71, 3861250.05	0.03414	0.0069152	2.18E-06	2.06E-07	1.24E-04	3.93E-08	3.70E-09
489563.71, 3861250.05	0.03452	0.0069922	2.21E-06	2.08E-07	1.26E-04	3.97E-08	3.75E-09
489613.71, 3861250.05	0.035	0.0070894	2.24E-06	2.11E-07	1.28E-04	4.03E-08	3.80E-09
489663.71, 3861250.05	0.03564	0.007219	2.28E-06	2.15E-07	1.30E-04	4.10E-08	3.87E-09
489713.71, 3861250.05	0.0362	0.0073324	2.31E-06	2.18E-07	1.32E-04	4.17E-08	3.93E-09
489763.71, 3861250.05	0.03676	0.0074459	2.35E-06	2.22E-07	1.34E-04	4.23E-08	3.99E-09
489813.71, 3861250.05	0.03736	0.0075674	2.39E-06	2.25E-07	1.36E-04	4.30E-08	4.05E-09
489863.71, 3861250.05	0.03798	0.007693	2.43E-06	2.29E-07	1.39E-04	4.37E-08	4.12E-09
489913.71, 3861250.05	0.03855	0.0078084	2.46E-06	2.32E-07	1.41E-04	4.44E-08	4.18E-09
489963.71, 3861250.05	0.03929	0.0079583	2.51E-06	2.37E-07	1.43E-04	4.52E-08	4.26E-09
490013.71, 3861250.05	0.04012	0.0081265	2.56E-06	2.42E-07	1.46E-04	4.62E-08	4.35E-09
490063.71, 3861250.05	0.0412	0.0083452	2.63E-06	2.48E-07	1.50E-04	4.74E-08	4.47E-09
489528.13, 3861308.47	0.03496	0.0070813	2.23E-06	2.11E-07	1.27E-04	4.02E-08	3.79E-09
489578.13, 3861308.47	0.03544	0.0071785	2.27E-06	2.14E-07	1.29E-04	4.08E-08	3.85E-09

489628.13, 3861308.47	0.03598	0.0072879	2.30E-06	2.17E-07	1.31E-04	4.14E-08	3.90E-09
489678.13, 3861308.47	0.03647	0.0073871	2.33E-06	2.20E-07	1.33E-04	4.20E-08	3.96E-09
489728.13, 3861308.47	0.03703	0.0075006	2.37E-06	2.23E-07	1.35E-04	4.26E-08	4.02E-09
489778.13, 3861308.47	0.03771	0.0076383	2.41E-06	2.27E-07	1.38E-04	4.34E-08	4.09E-09
489678.13, 3861358.47	0.03722	0.007539	2.38E-06	2.24E-07	1.36E-04	4.28E-08	4.04E-09
489728.13, 3861358.47	0.03782	0.0076606	2.42E-06	2.28E-07	1.38E-04	4.35E-08	4.10E-09
489528.13, 3861408.47	0.03644	0.0073811	2.33E-06	2.20E-07	1.33E-04	4.19E-08	3.95E-09
489578.13, 3861408.47	0.03695	0.0074844	2.36E-06	2.23E-07	1.35E-04	4.25E-08	4.01E-09
489628.13, 3861408.47	0.03721	0.007537	2.38E-06	2.24E-07	1.36E-04	4.28E-08	4.04E-09
489678.13, 3861408.47	0.03792	0.0076808	2.42E-06	2.29E-07	1.38E-04	4.36E-08	4.11E-09
489728.13, 3861408.47	0.03865	0.0078287	2.47E-06	2.33E-07	1.41E-04	4.45E-08	4.19E-09
489528.13, 3861458.47	0.03702	0.0074985	2.37E-06	2.23E-07	1.35E-04	4.26E-08	4.02E-09
489578.13, 3861458.47	0.03751	0.0075978	2.40E-06	2.26E-07	1.37E-04	4.32E-08	4.07E-09
489628.13, 3861458.47	0.03806	0.0077092	2.43E-06	2.29E-07	1.39E-04	4.38E-08	4.13E-09
489678.13, 3861458.47	0.03872	0.0078429	2.48E-06	2.33E-07	1.41E-04	4.46E-08	4.20E-09
489728.13, 3861458.47	0.03959	0.0080191	2.53E-06	2.39E-07	1.44E-04	4.56E-08	4.30E-09
489528.13, 3861508.47	0.03757	0.0076099	2.40E-06	2.26E-07	1.37E-04	4.32E-08	4.08E-09
489578.13, 3861508.47	0.03816	0.0077294	2.44E-06	2.30E-07	1.39E-04	4.39E-08	4.14E-09
489628.13, 3861508.47	0.03879	0.0078571	2.48E-06	2.34E-07	1.41E-04	4.46E-08	4.21E-09
489678.13, 3861508.47	0.0395	0.0080009	2.53E-06	2.38E-07	1.44E-04	4.55E-08	4.29E-09
489728.13, 3861508.47	0.04024	0.0081508	2.57E-06	2.43E-07	1.47E-04	4.63E-08	4.37E-09
489628.13, 3861558.47	0.03906	0.0079117	2.50E-06	2.35E-07	1.42E-04	4.50E-08	4.24E-09
489678.13, 3861558.47	0.03952	0.0080049	2.53E-06	2.38E-07	1.44E-04	4.55E-08	4.29E-09
489728.13, 3861558.47	0.04024	0.0081508	2.57E-06	2.43E-07	1.47E-04	4.63E-08	4.37E-09
489357.08, 3861015.81	0.02968	0.0060118	1.90E-06	1.79E-07	1.08E-04	3.42E-08	3.22E-09
489407.08, 3861015.81	0.03041	0.0061597	1.94E-06	1.83E-07	1.11E-04	3.50E-08	3.30E-09
489457.08, 3861015.81	0.03097	0.0062731	1.98E-06	1.87E-07	1.13E-04	3.56E-08	3.36E-09
489357.08, 3861065.81	0.0299	0.0060564	1.91E-06	1.80E-07	1.09E-04	3.44E-08	3.24E-09
489407.08, 3861065.81	0.03067	0.0062123	1.96E-06	1.85E-07	1.12E-04	3.53E-08	3.33E-09
489457.08, 3861065.81	0.03123	0.0063257	2.00E-06	1.88E-07	1.14E-04	3.59E-08	3.39E-09
489357.08, 3861115.81	0.0303	0.0061374	1.94E-06	1.83E-07	1.10E-04	3.49E-08	3.29E-09
489407.08, 3861115.81	0.03078	0.0062346	1.97E-06	1.86E-07	1.12E-04	3.54E-08	3.34E-09
489457.08, 3861115.81	0.0313	0.0063399	2.00E-06	1.89E-07	1.14E-04	3.60E-08	3.40E-09
489407.08, 3861165.81	0.03094	0.006267	1.98E-06	1.86E-07	1.13E-04	3.56E-08	3.36E-09
489457.08, 3861165.81	0.03168	0.0064169	2.03E-06	1.91E-07	1.16E-04	3.65E-08	3.44E-09
489407.08, 3861215.81	0.0321	0.006502	2.05E-06	1.93E-07	1.17E-04	3.69E-08	3.48E-09
489457.08, 3861215.81	0.0327	0.0066235	2.09E-06	1.97E-07	1.19E-04	3.76E-08	3.55E-09
489407.08, 3861265.81	0.03323	0.0067309	2.12E-06	2.00E-07	1.21E-04	3.82E-08	3.61E-09
489457.08, 3861265.81	0.03367	0.00682	2.15E-06	2.03E-07	1.23E-04	3.88E-08	3.65E-09
489309.86, 3861110.14	0.0299	0.0060564	1.91E-06	1.80E-07	1.09E-04	3.44E-08	3.24E-09
489407.08, 3861315.81	0.03382	0.0068504	2.16E-06	2.04E-07	1.23E-04	3.89E-08	3.67E-09
489457.08, 3861315.81	0.03425	0.0069375	2.19E-06	2.06E-07	1.25E-04	3.94E-08	3.72E-09
488906.03, 3861006.75	0.02454	0.0049707	1.57E-06	1.48E-07	8.95E-05	2.82E-08	2.66E-09
488956.03, 3861006.75	0.02461	0.0049848	1.57E-06	1.48E-07	8.97E-05	2.83E-08	2.67E-09
488904.24, 3861051.87	0.02259	0.0045757	1.44E-06	1.36E-07	8.24E-05	2.60E-08	2.45E-09
488954.24, 3861051.87	0.02401	0.0048633	1.53E-06	1.45E-07	8.76E-05	2.76E-08	2.61E-09
489004.24, 3861051.87	0.02358	0.0047762	1.51E-06	1.42E-07	8.60E-05	2.71E-08	2.56E-09
488804.24, 3861101.87	0.02333	0.0047256	1.49E-06	1.41E-07	8.51E-05	2.69E-08	2.53E-09
488854.24, 3861101.87	0.02315	0.0046891	1.48E-06	1.40E-07	8.44E-05	2.66E-08	2.51E-09
488904.24, 3861101.87	0.02531	0.0051266	1.62E-06	1.53E-07	9.23E-05	2.91E-08	2.75E-09
488954.24, 3861101.87	0.02619	0.0053049	1.67E-06	1.58E-07	9.55E-05	3.01E-08	2.84E-09
489004.24, 3861101.87	0.02653	0.0053737	1.70E-06	1.60E-07	9.67E-05	3.05E-08	2.88E-09
488804.24, 3861151.87	0.02586	0.005238	1.65E-06	1.56E-07	9.43E-05	2.98E-08	2.81E-09
488854.24, 3861151.87	0.02648	0.0053636	1.69E-06	1.60E-07	9.66E-05	3.05E-08	2.87E-09
489129.49, 3861187.55	0.02941	0.0059571	1.88E-06	1.77E-07	1.07E-04	3.38E-08	3.19E-09
489179.49, 3861187.55	0.02995	0.0060665	1.91E-06	1.81E-07	1.09E-04	3.45E-08	3.25E-09
488804.24, 3861201.87	0.02631	0.0053292	1.68E-06	1.59E-07	9.59E-05	3.03E-08	2.86E-09
488854.24, 3861201.87	0.02717	0.0055034	1.74E-06	1.64E-07	9.91E-05	3.13E-08	2.95E-09
489129.49, 3861237.55	0.02953	0.0059814	1.89E-06	1.78E-07	1.08E-04	3.40E-08	3.20E-09
489179.49, 3861237.55	0.03036	0.0061495	1.94E-06	1.83E-07	1.11E-04	3.49E-08	3.29E-09

488804.24, 3861251.87	0.02657	0.0053818	1.70E-06	1.60E-07	9.69E-05	3.06E-08	2.88E-09
488854.24, 3861251.87	0.02763	0.0055966	1.77E-06	1.67E-07	1.01E-04	3.18E-08	3.00E-09
488804.24, 3861301.87	0.02726	0.0055216	1.74E-06	1.64E-07	9.94E-05	3.14E-08	2.96E-09
488854.24, 3861301.87	0.02806	0.0056837	1.79E-06	1.69E-07	1.02E-04	3.23E-08	3.05E-09
490943.5, 3860181.97	0.04616	0.0093499	2.95E-06	2.78E-07	1.68E-04	5.31E-08	5.01E-09
490993.5, 3860181.97	0.04775	0.0096719	3.05E-06	2.88E-07	1.74E-04	5.50E-08	5.18E-09
491043.5, 3860181.97	0.04928	0.0099818	3.15E-06	2.97E-07	1.80E-04	5.67E-08	5.35E-09
491093.5, 3860181.97	0.05139	0.0104092	3.29E-06	3.10E-07	1.87E-04	5.91E-08	5.58E-09
490943.5, 3860231.97	0.04585	0.0092871	2.93E-06	2.76E-07	1.67E-04	5.28E-08	4.98E-09
490993.5, 3860231.97	0.04645	0.0094086	2.97E-06	2.80E-07	1.69E-04	5.35E-08	5.04E-09
491043.5, 3860231.97	0.04886	0.0098968	3.12E-06	2.95E-07	1.78E-04	5.62E-08	5.30E-09
491093.5, 3860231.97	0.05129	0.010389	3.28E-06	3.09E-07	1.87E-04	5.90E-08	5.57E-09
490943.5, 3860281.97	0.04558	0.0092324	2.91E-06	2.75E-07	1.66E-04	5.25E-08	4.95E-09
490993.5, 3860281.97	0.04637	0.0093924	2.96E-06	2.80E-07	1.69E-04	5.34E-08	5.03E-09
491043.5, 3860281.97	0.04836	0.0097955	3.09E-06	2.91E-07	1.76E-04	5.57E-08	5.25E-09
491093.5, 3860281.97	0.05059	0.0102472	3.23E-06	3.05E-07	1.84E-04	5.82E-08	5.49E-09
490943.5, 3860331.97	0.04589	0.0092952	2.93E-06	2.77E-07	1.67E-04	5.28E-08	4.98E-09
490993.5, 3860331.97	0.04753	0.0096274	3.04E-06	2.86E-07	1.73E-04	5.47E-08	5.16E-09
491043.5, 3860331.97	0.04925	0.0099758	3.15E-06	2.97E-07	1.80E-04	5.67E-08	5.34E-09
491093.5, 3860331.97	0.05107	0.0103444	3.26E-06	3.08E-07	1.86E-04	5.88E-08	5.54E-09
490086.72, 3859935.12	0.0275	0.0055702	1.76E-06	1.66E-07	1.00E-04	3.17E-08	2.98E-09
490136.72, 3859935.12	0.02848	0.0057687	1.82E-06	1.72E-07	1.04E-04	3.28E-08	3.09E-09
490186.72, 3859935.12	0.02945	0.0059652	1.88E-06	1.78E-07	1.07E-04	3.39E-08	3.20E-09
490236.72, 3859935.12	0.0304	0.0061576	1.94E-06	1.83E-07	1.11E-04	3.50E-08	3.30E-09
490286.72, 3859935.12	0.03154	0.0063885	2.02E-06	1.90E-07	1.15E-04	3.63E-08	3.42E-09
490336.72, 3859935.12	0.03268	0.0066195	2.09E-06	1.97E-07	1.19E-04	3.76E-08	3.55E-09
490386.72, 3859935.12	0.03359	0.0068038	2.15E-06	2.02E-07	1.22E-04	3.87E-08	3.65E-09
490436.72, 3859935.12	0.03459	0.0070063	2.21E-06	2.08E-07	1.26E-04	3.98E-08	3.75E-09
490486.72, 3859935.12	0.0354	0.0071704	2.26E-06	2.13E-07	1.29E-04	4.07E-08	3.84E-09
490536.72, 3859935.12	0.03517	0.0071238	2.25E-06	2.12E-07	1.28E-04	4.05E-08	3.82E-09
490586.72, 3859935.12	0.03457	0.0070023	2.21E-06	2.08E-07	1.26E-04	3.98E-08	3.75E-09
490636.72, 3859935.12	0.03476	0.0070408	2.22E-06	2.10E-07	1.27E-04	4.00E-08	3.77E-09
490686.72, 3859935.12	0.03347	0.0067795	2.14E-06	2.02E-07	1.22E-04	3.85E-08	3.63E-09
490736.72, 3859935.12	0.03298	0.0066802	2.11E-06	1.99E-07	1.20E-04	3.80E-08	3.58E-09
490086.72, 3859985.12	0.02691	0.0054507	1.72E-06	1.62E-07	9.81E-05	3.10E-08	2.92E-09
490136.72, 3859985.12	0.02791	0.0056533	1.78E-06	1.68E-07	1.02E-04	3.21E-08	3.03E-09
490186.72, 3859985.12	0.02868	0.0058092	1.83E-06	1.73E-07	1.05E-04	3.30E-08	3.11E-09
490236.72, 3859985.12	0.02933	0.0059409	1.88E-06	1.77E-07	1.07E-04	3.38E-08	3.18E-09
490286.72, 3859985.12	0.03045	0.0061678	1.95E-06	1.84E-07	1.11E-04	3.50E-08	3.30E-09
490336.72, 3859985.12	0.03164	0.0064088	2.02E-06	1.91E-07	1.15E-04	3.64E-08	3.43E-09
490386.72, 3859985.12	0.03319	0.0067228	2.12E-06	2.00E-07	1.21E-04	3.82E-08	3.60E-09
490436.72, 3859985.12	0.03442	0.0069719	2.20E-06	2.07E-07	1.26E-04	3.96E-08	3.74E-09
490486.72, 3859985.12	0.03541	0.0071724	2.26E-06	2.13E-07	1.29E-04	4.08E-08	3.84E-09
490536.72, 3859985.12	0.03588	0.0072676	2.29E-06	2.16E-07	1.31E-04	4.13E-08	3.89E-09
490586.72, 3859985.12	0.03593	0.0072778	2.30E-06	2.17E-07	1.31E-04	4.14E-08	3.90E-09
490636.72, 3859985.12	0.03558	0.0072069	2.27E-06	2.14E-07	1.30E-04	4.10E-08	3.86E-09
490686.72, 3859985.12	0.03392	0.0068706	2.17E-06	2.04E-07	1.24E-04	3.90E-08	3.68E-09
490736.72, 3859985.12	0.03471	0.0070306	2.22E-06	2.09E-07	1.27E-04	3.99E-08	3.77E-09
490786.72, 3859985.12	0.03516	0.0071218	2.25E-06	2.12E-07	1.28E-04	4.05E-08	3.82E-09
490086.72, 3860035.12	0.02677	0.0054224	1.71E-06	1.61E-07	9.76E-05	3.08E-08	2.91E-09
490136.72, 3860035.12	0.02756	0.0055824	1.76E-06	1.66E-07	1.01E-04	3.17E-08	2.99E-09
490186.72, 3860035.12	0.02833	0.0057383	1.81E-06	1.71E-07	1.03E-04	3.26E-08	3.07E-09
490236.72, 3860035.12	0.02913	0.0059004	1.86E-06	1.76E-07	1.06E-04	3.35E-08	3.16E-09
490286.72, 3860035.12	0.03018	0.0061131	1.93E-06	1.82E-07	1.10E-04	3.47E-08	3.28E-09
490336.72, 3860035.12	0.03091	0.0062609	1.98E-06	1.86E-07	1.13E-04	3.56E-08	3.35E-09
490386.72, 3860035.12	0.03245	0.0065729	2.07E-06	1.96E-07	1.18E-04	3.73E-08	3.52E-09
490436.72, 3860035.12	0.03381	0.0068483	2.16E-06	2.04E-07	1.23E-04	3.89E-08	3.67E-09
490486.72, 3860035.12	0.03502	0.0070934	2.24E-06	2.11E-07	1.28E-04	4.03E-08	3.80E-09
490536.72, 3860035.12	0.03578	0.0072474	2.29E-06	2.16E-07	1.30E-04	4.12E-08	3.88E-09
490586.72, 3860035.12	0.03655	0.0074033	2.34E-06	2.20E-07	1.33E-04	4.21E-08	3.97E-09

490636.72, 3860035.12	0.03771	0.0076383	2.41E-06	2.27E-07	1.38E-04	4.34E-08	4.09E-09
490686.72, 3860035.12	0.03769	0.0076342	2.41E-06	2.27E-07	1.37E-04	4.34E-08	4.09E-09
490736.72, 3860035.12	0.0363	0.0073527	2.32E-06	2.19E-07	1.32E-04	4.18E-08	3.94E-09
490786.72, 3860035.12	0.03689	0.0074722	2.36E-06	2.22E-07	1.35E-04	4.25E-08	4.00E-09
490836.72, 3860035.12	0.03768	0.0076322	2.41E-06	2.27E-07	1.37E-04	4.34E-08	4.09E-09
490086.72, 3860085.12	0.02616	0.0052988	1.67E-06	1.58E-07	9.54E-05	3.01E-08	2.84E-09
490136.72, 3860085.12	0.02774	0.0056188	1.77E-06	1.67E-07	1.01E-04	3.19E-08	3.01E-09
490186.72, 3860085.12	0.02804	0.0056796	1.79E-06	1.69E-07	1.02E-04	3.23E-08	3.04E-09
490236.72, 3860085.12	0.02883	0.0058396	1.84E-06	1.74E-07	1.05E-04	3.32E-08	3.13E-09
490286.72, 3860085.12	0.0297	0.0060158	1.90E-06	1.79E-07	1.08E-04	3.42E-08	3.22E-09
490336.72, 3860085.12	0.03083	0.0062447	1.97E-06	1.86E-07	1.12E-04	3.55E-08	3.35E-09
490386.72, 3860085.12	0.03199	0.0064797	2.05E-06	1.93E-07	1.17E-04	3.68E-08	3.47E-09
490436.72, 3860085.12	0.03324	0.0067329	2.13E-06	2.00E-07	1.21E-04	3.83E-08	3.61E-09
490486.72, 3860085.12	0.03466	0.0070205	2.22E-06	2.09E-07	1.26E-04	3.99E-08	3.76E-09
490536.72, 3860085.12	0.03561	0.0072129	2.28E-06	2.15E-07	1.30E-04	4.10E-08	3.86E-09
490586.72, 3860085.12	0.03653	0.0073993	2.34E-06	2.20E-07	1.33E-04	4.20E-08	3.96E-09
490636.72, 3860085.12	0.03775	0.0076464	2.41E-06	2.28E-07	1.38E-04	4.34E-08	4.10E-09
490686.72, 3860085.12	0.03834	0.0077659	2.45E-06	2.31E-07	1.40E-04	4.41E-08	4.16E-09
490736.72, 3860085.12	0.03845	0.0077882	2.46E-06	2.32E-07	1.40E-04	4.43E-08	4.17E-09
490786.72, 3860085.12	0.0385	0.0077983	2.46E-06	2.32E-07	1.40E-04	4.43E-08	4.18E-09
490836.72, 3860085.12	0.03951	0.0080029	2.53E-06	2.38E-07	1.44E-04	4.55E-08	4.29E-09
490086.72, 3860135.12	0.02831	0.0057343	1.81E-06	1.71E-07	1.03E-04	3.26E-08	3.07E-09
490136.72, 3860135.12	0.02855	0.0057829	1.83E-06	1.72E-07	1.04E-04	3.29E-08	3.10E-09
490186.72, 3860135.12	0.02878	0.0058295	1.84E-06	1.73E-07	1.05E-04	3.31E-08	3.12E-09
490236.72, 3860135.12	0.0295	0.0059753	1.89E-06	1.78E-07	1.08E-04	3.40E-08	3.20E-09
490286.72, 3860135.12	0.03012	0.0061009	1.93E-06	1.82E-07	1.10E-04	3.47E-08	3.27E-09
490336.72, 3860135.12	0.03088	0.0062549	1.97E-06	1.86E-07	1.13E-04	3.55E-08	3.35E-09
490386.72, 3860135.12	0.03191	0.0064635	2.04E-06	1.92E-07	1.16E-04	3.67E-08	3.46E-09
490436.72, 3860135.12	0.03318	0.0067207	2.12E-06	2.00E-07	1.21E-04	3.82E-08	3.60E-09
490486.72, 3860135.12	0.03433	0.0069537	2.19E-06	2.07E-07	1.25E-04	3.95E-08	3.73E-09
490536.72, 3860135.12	0.03518	0.0071258	2.25E-06	2.12E-07	1.28E-04	4.05E-08	3.82E-09
490586.72, 3860135.12	0.03628	0.0073486	2.32E-06	2.19E-07	1.32E-04	4.18E-08	3.94E-09
490636.72, 3860135.12	0.03746	0.0075877	2.39E-06	2.26E-07	1.37E-04	4.31E-08	4.07E-09
490686.72, 3860135.12	0.03871	0.0078408	2.47E-06	2.33E-07	1.41E-04	4.46E-08	4.20E-09
490736.72, 3860135.12	0.03961	0.0080231	2.53E-06	2.39E-07	1.44E-04	4.56E-08	4.30E-09
490786.72, 3860135.12	0.03987	0.0080758	2.55E-06	2.40E-07	1.45E-04	4.59E-08	4.33E-09
490836.72, 3860135.12	0.04109	0.0083229	2.63E-06	2.48E-07	1.50E-04	4.73E-08	4.46E-09
490086.72, 3860185.12	0.02963	0.0060017	1.89E-06	1.79E-07	1.08E-04	3.41E-08	3.22E-09
490136.72, 3860185.12	0.02956	0.0059875	1.89E-06	1.78E-07	1.08E-04	3.40E-08	3.21E-09
490186.72, 3860185.12	0.02975	0.006026	1.90E-06	1.79E-07	1.08E-04	3.42E-08	3.23E-09
490236.72, 3860185.12	0.03035	0.0061475	1.94E-06	1.83E-07	1.11E-04	3.49E-08	3.29E-09
490286.72, 3860185.12	0.03099	0.0062771	1.98E-06	1.87E-07	1.13E-04	3.57E-08	3.36E-09
490336.72, 3860185.12	0.03172	0.006425	2.03E-06	1.91E-07	1.16E-04	3.65E-08	3.44E-09
490386.72, 3860185.12	0.03253	0.0065891	2.08E-06	1.96E-07	1.19E-04	3.74E-08	3.53E-09
490436.72, 3860185.12	0.03343	0.0067714	2.14E-06	2.02E-07	1.22E-04	3.85E-08	3.63E-09
490486.72, 3860185.12	0.03447	0.006982	2.20E-06	2.08E-07	1.26E-04	3.97E-08	3.74E-09
490536.72, 3860185.12	0.03536	0.0071623	2.26E-06	2.13E-07	1.29E-04	4.07E-08	3.84E-09
490586.72, 3860185.12	0.03603	0.007298	2.30E-06	2.17E-07	1.31E-04	4.15E-08	3.91E-09
490636.72, 3860185.12	0.03735	0.0075654	2.39E-06	2.25E-07	1.36E-04	4.30E-08	4.05E-09
490686.72, 3860185.12	0.03832	0.0077619	2.45E-06	2.31E-07	1.40E-04	4.41E-08	4.16E-09
490736.72, 3860185.12	0.03987	0.0080758	2.55E-06	2.40E-07	1.45E-04	4.59E-08	4.33E-09
490786.72, 3860185.12	0.04083	0.0082703	2.61E-06	2.46E-07	1.49E-04	4.70E-08	4.43E-09
490836.72, 3860185.12	0.04187	0.0084809	2.68E-06	2.52E-07	1.53E-04	4.82E-08	4.54E-09
490086.72, 3860235.12	0.03064	0.0062062	1.96E-06	1.85E-07	1.12E-04	3.53E-08	3.32E-09
490136.72, 3860235.12	0.0308	0.0062387	1.97E-06	1.86E-07	1.12E-04	3.54E-08	3.34E-09
490186.72, 3860235.12	0.03096	0.0062711	1.98E-06	1.87E-07	1.13E-04	3.56E-08	3.36E-09
490236.72, 3860235.12	0.03142	0.0063642	2.01E-06	1.89E-07	1.15E-04	3.62E-08	3.41E-09
490286.72, 3860235.12	0.03202	0.0064858	2.05E-06	1.93E-07	1.17E-04	3.69E-08	3.47E-09
490336.72, 3860235.12	0.03264	0.0066113	2.09E-06	1.97E-07	1.19E-04	3.76E-08	3.54E-09
490386.72, 3860235.12	0.03335	0.0067552	2.13E-06	2.01E-07	1.22E-04	3.84E-08	3.62E-09

490436.72, 3860235.12	0.03405	0.006897	2.18E-06	2.05E-07	1.24E-04	3.92E-08	3.70E-09
490486.72, 3860235.12	0.03499	0.0070874	2.24E-06	2.11E-07	1.28E-04	4.03E-08	3.80E-09
490536.72, 3860235.12	0.03578	0.0072474	2.29E-06	2.16E-07	1.30E-04	4.12E-08	3.88E-09
490586.72, 3860235.12	0.03654	0.0074013	2.34E-06	2.20E-07	1.33E-04	4.21E-08	3.97E-09
490636.72, 3860235.12	0.03744	0.0075836	2.39E-06	2.26E-07	1.37E-04	4.31E-08	4.06E-09
490686.72, 3860235.12	0.03838	0.007774	2.45E-06	2.31E-07	1.40E-04	4.42E-08	4.16E-09
490736.72, 3860235.12	0.03959	0.0080191	2.53E-06	2.39E-07	1.44E-04	4.56E-08	4.30E-09
490786.72, 3860235.12	0.04094	0.0082925	2.62E-06	2.47E-07	1.49E-04	4.71E-08	4.44E-09
490086.72, 3860285.12	0.03179	0.0064392	2.03E-06	1.92E-07	1.16E-04	3.66E-08	3.45E-09
490136.72, 3860285.12	0.03192	0.0064655	2.04E-06	1.92E-07	1.16E-04	3.67E-08	3.46E-09
490186.72, 3860285.12	0.03228	0.0065384	2.06E-06	1.95E-07	1.18E-04	3.72E-08	3.50E-09
490236.72, 3860285.12	0.03252	0.006587	2.08E-06	1.96E-07	1.19E-04	3.74E-08	3.53E-09
490286.72, 3860285.12	0.03319	0.0067228	2.12E-06	2.00E-07	1.21E-04	3.82E-08	3.60E-09
490336.72, 3860285.12	0.03385	0.0068564	2.16E-06	2.04E-07	1.23E-04	3.90E-08	3.67E-09
490386.72, 3860285.12	0.03436	0.0069597	2.20E-06	2.07E-07	1.25E-04	3.95E-08	3.73E-09
490436.72, 3860285.12	0.03511	0.0071117	2.24E-06	2.12E-07	1.28E-04	4.04E-08	3.81E-09
490486.72, 3860285.12	0.03583	0.0072575	2.29E-06	2.16E-07	1.31E-04	4.12E-08	3.89E-09
490536.72, 3860285.12	0.03678	0.0074499	2.35E-06	2.22E-07	1.34E-04	4.23E-08	3.99E-09
490586.72, 3860285.12	0.03765	0.0076261	2.41E-06	2.27E-07	1.37E-04	4.33E-08	4.09E-09
490636.72, 3860285.12	0.03842	0.0077821	2.46E-06	2.32E-07	1.40E-04	4.42E-08	4.17E-09
490686.72, 3860285.12	0.03911	0.0079219	2.50E-06	2.36E-07	1.43E-04	4.50E-08	4.24E-09
490736.72, 3860285.12	0.04007	0.0081163	2.56E-06	2.42E-07	1.46E-04	4.61E-08	4.35E-09
490786.72, 3860285.12	0.041	0.0083047	2.62E-06	2.47E-07	1.50E-04	4.72E-08	4.45E-09
490086.72, 3860335.12	0.03287	0.0066579	2.10E-06	1.98E-07	1.20E-04	3.78E-08	3.57E-09
490136.72, 3860335.12	0.03296	0.0066762	2.11E-06	1.99E-07	1.20E-04	3.79E-08	3.58E-09
490186.72, 3860335.12	0.03338	0.0067612	2.13E-06	2.01E-07	1.22E-04	3.84E-08	3.62E-09
490236.72, 3860335.12	0.03359	0.0068038	2.15E-06	2.02E-07	1.22E-04	3.87E-08	3.65E-09
490286.72, 3860335.12	0.03425	0.0069375	2.19E-06	2.06E-07	1.25E-04	3.94E-08	3.72E-09
490336.72, 3860335.12	0.03498	0.0070853	2.24E-06	2.11E-07	1.28E-04	4.03E-08	3.80E-09
490386.72, 3860335.12	0.03562	0.007215	2.28E-06	2.15E-07	1.30E-04	4.10E-08	3.87E-09
490436.72, 3860335.12	0.0363	0.0073527	2.32E-06	2.19E-07	1.32E-04	4.18E-08	3.94E-09
490486.72, 3860335.12	0.03707	0.0075087	2.37E-06	2.23E-07	1.35E-04	4.27E-08	4.02E-09
490536.72, 3860335.12	0.0377	0.0076363	2.41E-06	2.27E-07	1.37E-04	4.34E-08	4.09E-09
490586.72, 3860335.12	0.03867	0.0078327	2.47E-06	2.33E-07	1.41E-04	4.45E-08	4.20E-09
490636.72, 3860335.12	0.03946	0.0079928	2.52E-06	2.38E-07	1.44E-04	4.54E-08	4.28E-09
490686.72, 3860335.12	0.04024	0.0081508	2.57E-06	2.43E-07	1.47E-04	4.63E-08	4.37E-09
490736.72, 3860335.12	0.04104	0.0083128	2.62E-06	2.47E-07	1.50E-04	4.72E-08	4.45E-09
490786.72, 3860335.12	0.0415	0.008406	2.65E-06	2.50E-07	1.51E-04	4.78E-08	4.50E-09
490086.72, 3860385.12	0.03363	0.0068119	2.15E-06	2.03E-07	1.23E-04	3.87E-08	3.65E-09
490136.72, 3860385.12	0.03373	0.0068321	2.16E-06	2.03E-07	1.23E-04	3.88E-08	3.66E-09
490186.72, 3860385.12	0.03436	0.0069597	2.20E-06	2.07E-07	1.25E-04	3.95E-08	3.73E-09
490236.72, 3860385.12	0.03471	0.0070306	2.22E-06	2.09E-07	1.27E-04	3.99E-08	3.77E-09
490286.72, 3860385.12	0.03534	0.0071582	2.26E-06	2.13E-07	1.29E-04	4.07E-08	3.84E-09
490336.72, 3860385.12	0.036	0.0072919	2.30E-06	2.17E-07	1.31E-04	4.14E-08	3.91E-09
490386.72, 3860385.12	0.03676	0.0074459	2.35E-06	2.22E-07	1.34E-04	4.23E-08	3.99E-09
490436.72, 3860385.12	0.03749	0.0075937	2.40E-06	2.26E-07	1.37E-04	4.31E-08	4.07E-09
490486.72, 3860385.12	0.03813	0.0077234	2.44E-06	2.30E-07	1.39E-04	4.39E-08	4.14E-09
490536.72, 3860385.12	0.03888	0.0078753	2.49E-06	2.34E-07	1.42E-04	4.47E-08	4.22E-09
490586.72, 3860385.12	0.03968	0.0080373	2.54E-06	2.39E-07	1.45E-04	4.57E-08	4.31E-09
490636.72, 3860385.12	0.04063	0.0082298	2.60E-06	2.45E-07	1.48E-04	4.68E-08	4.41E-09
490686.72, 3860385.12	0.04133	0.0083715	2.64E-06	2.49E-07	1.51E-04	4.76E-08	4.49E-09
490736.72, 3860385.12	0.04233	0.0085741	2.71E-06	2.55E-07	1.54E-04	4.87E-08	4.59E-09
490786.72, 3860385.12	0.04318	0.0087463	2.76E-06	2.60E-07	1.57E-04	4.97E-08	4.69E-09
490136.72, 3860435.12	0.0346	0.0070084	2.21E-06	2.09E-07	1.26E-04	3.98E-08	3.75E-09
490186.72, 3860435.12	0.03494	0.0070772	2.23E-06	2.11E-07	1.27E-04	4.02E-08	3.79E-09
490236.72, 3860435.12	0.03548	0.0071866	2.27E-06	2.14E-07	1.29E-04	4.08E-08	3.85E-09
490286.72, 3860435.12	0.03614	0.0073203	2.31E-06	2.18E-07	1.32E-04	4.16E-08	3.92E-09
490336.72, 3860435.12	0.037	0.0074945	2.37E-06	2.23E-07	1.35E-04	4.26E-08	4.02E-09
490386.72, 3860435.12	0.03771	0.0076383	2.41E-06	2.27E-07	1.38E-04	4.34E-08	4.09E-09
490436.72, 3860435.12	0.03849	0.0077963	2.46E-06	2.32E-07	1.40E-04	4.43E-08	4.18E-09

490486.72, 3860435.12	0.03929	0.0079583	2.51E-06	2.37E-07	1.43E-04	4.52E-08	4.26E-09
490536.72, 3860435.12	0.04002	0.0081062	2.56E-06	2.41E-07	1.46E-04	4.61E-08	4.34E-09
490586.72, 3860435.12	0.04094	0.0082925	2.62E-06	2.47E-07	1.49E-04	4.71E-08	4.44E-09
490636.72, 3860435.12	0.04193	0.0084931	2.68E-06	2.53E-07	1.53E-04	4.83E-08	4.55E-09
490686.72, 3860435.12	0.04276	0.0086612	2.73E-06	2.58E-07	1.56E-04	4.92E-08	4.64E-09
490736.72, 3860435.12	0.04343	0.0087969	2.78E-06	2.62E-07	1.58E-04	5.00E-08	4.71E-09
490786.72, 3860435.12	0.04446	0.0090055	2.84E-06	2.68E-07	1.62E-04	5.12E-08	4.82E-09
490136.72, 3860485.12	0.0348	0.0070489	2.22E-06	2.10E-07	1.27E-04	4.01E-08	3.78E-09
490186.72, 3860485.12	0.03536	0.0071623	2.26E-06	2.13E-07	1.29E-04	4.07E-08	3.84E-09
490236.72, 3860485.12	0.03612	0.0073162	2.31E-06	2.18E-07	1.32E-04	4.16E-08	3.92E-09
490286.72, 3860485.12	0.03667	0.0074276	2.34E-06	2.21E-07	1.34E-04	4.22E-08	3.98E-09
490336.72, 3860485.12	0.03756	0.0076079	2.40E-06	2.26E-07	1.37E-04	4.32E-08	4.08E-09
490386.72, 3860485.12	0.03826	0.0077497	2.45E-06	2.31E-07	1.40E-04	4.40E-08	4.15E-09
490436.72, 3860485.12	0.03879	0.0078571	2.48E-06	2.34E-07	1.41E-04	4.46E-08	4.21E-09
490486.72, 3860485.12	0.03983	0.0080677	2.55E-06	2.40E-07	1.45E-04	4.58E-08	4.32E-09
490536.72, 3860485.12	0.04093	0.0082905	2.62E-06	2.47E-07	1.49E-04	4.71E-08	4.44E-09
490586.72, 3860485.12	0.04199	0.0085052	2.68E-06	2.53E-07	1.53E-04	4.83E-08	4.56E-09
490636.72, 3860485.12	0.04283	0.0086754	2.74E-06	2.58E-07	1.56E-04	4.93E-08	4.65E-09
490686.72, 3860485.12	0.04399	0.0089103	2.81E-06	2.65E-07	1.60E-04	5.06E-08	4.77E-09
490736.72, 3860485.12	0.04485	0.0090845	2.87E-06	2.70E-07	1.64E-04	5.16E-08	4.87E-09
490786.72, 3860485.12	0.04579	0.0092749	2.93E-06	2.76E-07	1.67E-04	5.27E-08	4.97E-09
490136.72, 3860535.12	0.03513	0.0071157	2.25E-06	2.12E-07	1.28E-04	4.04E-08	3.81E-09
490186.72, 3860535.12	0.03511	0.0071117	2.24E-06	2.12E-07	1.28E-04	4.04E-08	3.81E-09
490236.72, 3860535.12	0.03642	0.007377	2.33E-06	2.20E-07	1.33E-04	4.19E-08	3.95E-09
490286.72, 3860535.12	0.03728	0.0075512	2.38E-06	2.25E-07	1.36E-04	4.29E-08	4.05E-09
490336.72, 3860535.12	0.03795	0.0076869	2.43E-06	2.29E-07	1.38E-04	4.37E-08	4.12E-09
490386.72, 3860535.12	0.03846	0.0077902	2.46E-06	2.32E-07	1.40E-04	4.43E-08	4.17E-09
490436.72, 3860535.12	0.03908	0.0079158	2.50E-06	2.36E-07	1.43E-04	4.50E-08	4.24E-09
490486.72, 3860535.12	0.0399	0.0080819	2.55E-06	2.41E-07	1.46E-04	4.59E-08	4.33E-09
490536.72, 3860535.12	0.03996	0.008094	2.55E-06	2.41E-07	1.46E-04	4.60E-08	4.34E-09
490586.72, 3860535.12	0.04228	0.008564	2.70E-06	2.55E-07	1.54E-04	4.87E-08	4.59E-09
490636.72, 3860535.12	0.04351	0.0088131	2.78E-06	2.62E-07	1.59E-04	5.01E-08	4.72E-09
490686.72, 3860535.12	0.04454	0.0090217	2.85E-06	2.68E-07	1.62E-04	5.13E-08	4.83E-09
490736.72, 3860535.12	0.0458	0.009277	2.93E-06	2.76E-07	1.67E-04	5.27E-08	4.97E-09
490786.72, 3860535.12	0.04676	0.0094714	2.99E-06	2.82E-07	1.71E-04	5.38E-08	5.07E-09
490136.72, 3860585.12	0.03486	0.007061	2.23E-06	2.10E-07	1.27E-04	4.01E-08	3.78E-09
490186.72, 3860585.12	0.03697	0.0074884	2.36E-06	2.23E-07	1.35E-04	4.26E-08	4.01E-09
490236.72, 3860585.12	0.03719	0.007533	2.38E-06	2.24E-07	1.36E-04	4.28E-08	4.04E-09
490286.72, 3860585.12	0.03762	0.0076201	2.41E-06	2.27E-07	1.37E-04	4.33E-08	4.08E-09
490336.72, 3860585.12	0.03837	0.007772	2.45E-06	2.31E-07	1.40E-04	4.42E-08	4.16E-09
490386.72, 3860585.12	0.03919	0.0079381	2.51E-06	2.36E-07	1.43E-04	4.51E-08	4.25E-09
490436.72, 3860585.12	0.03896	0.0078915	2.49E-06	2.35E-07	1.42E-04	4.48E-08	4.23E-09
490486.72, 3860585.12	0.03891	0.0078814	2.49E-06	2.35E-07	1.42E-04	4.48E-08	4.22E-09
490536.72, 3860585.12	0.04021	0.0081447	2.57E-06	2.42E-07	1.47E-04	4.63E-08	4.36E-09
490586.72, 3860585.12	0.04299	0.0087078	2.75E-06	2.59E-07	1.57E-04	4.95E-08	4.67E-09
490636.72, 3860585.12	0.04401	0.0089144	2.81E-06	2.65E-07	1.60E-04	5.07E-08	4.78E-09
490686.72, 3860585.12	0.04515	0.0091453	2.89E-06	2.72E-07	1.65E-04	5.20E-08	4.90E-09
490736.72, 3860585.12	0.04629	0.0093762	2.96E-06	2.79E-07	1.69E-04	5.33E-08	5.02E-09
490786.72, 3860585.12	0.04763	0.0096476	3.04E-06	2.87E-07	1.74E-04	5.48E-08	5.17E-09
490136.72, 3860635.12	0.03365	0.0068159	2.15E-06	2.03E-07	1.23E-04	3.87E-08	3.65E-09
490186.72, 3860635.12	0.03565	0.007221	2.28E-06	2.15E-07	1.30E-04	4.10E-08	3.87E-09
490236.72, 3860635.12	0.03713	0.0075208	2.37E-06	2.24E-07	1.35E-04	4.27E-08	4.03E-09
490286.72, 3860635.12	0.03825	0.0077477	2.45E-06	2.31E-07	1.39E-04	4.40E-08	4.15E-09
490336.72, 3860635.12	0.03884	0.0078672	2.48E-06	2.34E-07	1.42E-04	4.47E-08	4.21E-09
490386.72, 3860635.12	0.03952	0.0080049	2.53E-06	2.38E-07	1.44E-04	4.55E-08	4.29E-09
490436.72, 3860635.12	0.04042	0.0081872	2.58E-06	2.44E-07	1.47E-04	4.65E-08	4.39E-09
490486.72, 3860635.12	0.04116	0.0083371	2.63E-06	2.48E-07	1.50E-04	4.74E-08	4.47E-09
490536.72, 3860635.12	0.04156	0.0084181	2.66E-06	2.51E-07	1.52E-04	4.78E-08	4.51E-09
490586.72, 3860635.12	0.04319	0.0087483	2.76E-06	2.60E-07	1.57E-04	4.97E-08	4.69E-09
490636.72, 3860635.12	0.04416	0.0089448	2.82E-06	2.66E-07	1.61E-04	5.08E-08	4.79E-09

490686.72, 3860635.12	0.04538	0.0091919	2.90E-06	2.74E-07	1.65E-04	5.22E-08	4.92E-09
490736.72, 3860635.12	0.04693	0.0095058	3.00E-06	2.83E-07	1.71E-04	5.40E-08	5.09E-09
490786.72, 3860635.12	0.04812	0.0097469	3.08E-06	2.90E-07	1.75E-04	5.54E-08	5.22E-09
490136.72, 3860685.12	0.0344	0.0069678	2.20E-06	2.07E-07	1.25E-04	3.96E-08	3.73E-09
490186.72, 3860685.12	0.03367	0.00682	2.15E-06	2.03E-07	1.23E-04	3.88E-08	3.65E-09
490236.72, 3860685.12	0.03617	0.0073264	2.31E-06	2.18E-07	1.32E-04	4.16E-08	3.93E-09
490286.72, 3860685.12	0.03882	0.0078631	2.48E-06	2.34E-07	1.42E-04	4.47E-08	4.21E-09
490336.72, 3860685.12	0.03908	0.0079158	2.50E-06	2.36E-07	1.43E-04	4.50E-08	4.24E-09
490386.72, 3860685.12	0.03981	0.0080637	2.55E-06	2.40E-07	1.45E-04	4.58E-08	4.32E-09
490436.72, 3860685.12	0.04098	0.0083006	2.62E-06	2.47E-07	1.49E-04	4.72E-08	4.45E-09
490486.72, 3860685.12	0.0422	0.0085478	2.70E-06	2.54E-07	1.54E-04	4.86E-08	4.58E-09
490536.72, 3860685.12	0.04298	0.0087058	2.75E-06	2.59E-07	1.57E-04	4.95E-08	4.66E-09
490586.72, 3860685.12	0.04388	0.0088881	2.81E-06	2.64E-07	1.60E-04	5.05E-08	4.76E-09
490636.72, 3860685.12	0.04468	0.0090501	2.86E-06	2.69E-07	1.63E-04	5.14E-08	4.85E-09
490686.72, 3860685.12	0.04549	0.0092142	2.91E-06	2.74E-07	1.66E-04	5.24E-08	4.94E-09
490736.72, 3860685.12	0.04692	0.0095038	3.00E-06	2.83E-07	1.71E-04	5.40E-08	5.09E-09
490786.72, 3860685.12	0.04765	0.0096517	3.05E-06	2.87E-07	1.74E-04	5.48E-08	5.17E-09
490136.72, 3860735.12	0.03632	0.0073567	2.32E-06	2.19E-07	1.32E-04	4.18E-08	3.94E-09
490186.72, 3860735.12	0.03742	0.0075796	2.39E-06	2.26E-07	1.36E-04	4.31E-08	4.06E-09
490236.72, 3860735.12	0.03825	0.0077477	2.45E-06	2.31E-07	1.39E-04	4.40E-08	4.15E-09
490286.72, 3860735.12	0.03894	0.0078874	2.49E-06	2.35E-07	1.42E-04	4.48E-08	4.23E-09
490336.72, 3860735.12	0.03974	0.0080495	2.54E-06	2.40E-07	1.45E-04	4.57E-08	4.31E-09
490386.72, 3860735.12	0.04025	0.0081528	2.57E-06	2.43E-07	1.47E-04	4.63E-08	4.37E-09
490436.72, 3860735.12	0.0401	0.0081224	2.56E-06	2.42E-07	1.46E-04	4.62E-08	4.35E-09
490486.72, 3860735.12	0.04163	0.0084323	2.66E-06	2.51E-07	1.52E-04	4.79E-08	4.52E-09
490536.72, 3860735.12	0.04369	0.0088496	2.79E-06	2.63E-07	1.59E-04	5.03E-08	4.74E-09
490586.72, 3860735.12	0.04486	0.0090866	2.87E-06	2.70E-07	1.64E-04	5.16E-08	4.87E-09
490636.72, 3860735.12	0.04587	0.0092911	2.93E-06	2.76E-07	1.67E-04	5.28E-08	4.98E-09
490686.72, 3860735.12	0.04639	0.0093965	2.97E-06	2.80E-07	1.69E-04	5.34E-08	5.03E-09
490736.72, 3860735.12	0.04699	0.009518	3.00E-06	2.83E-07	1.71E-04	5.41E-08	5.10E-09
490136.72, 3860785.12	0.03733	0.0075613	2.39E-06	2.25E-07	1.36E-04	4.30E-08	4.05E-09
490186.72, 3860785.12	0.03802	0.0077011	2.43E-06	2.29E-07	1.39E-04	4.38E-08	4.13E-09
490236.72, 3860785.12	0.03884	0.0078672	2.48E-06	2.34E-07	1.42E-04	4.47E-08	4.21E-09
490286.72, 3860785.12	0.0396	0.0080211	2.53E-06	2.39E-07	1.44E-04	4.56E-08	4.30E-09
490336.72, 3860785.12	0.04046	0.0081953	2.59E-06	2.44E-07	1.48E-04	4.66E-08	4.39E-09
490386.72, 3860785.12	0.04066	0.0082358	2.60E-06	2.45E-07	1.48E-04	4.68E-08	4.41E-09
490436.72, 3860785.12	0.04158	0.0084222	2.66E-06	2.51E-07	1.52E-04	4.79E-08	4.51E-09
490486.72, 3860785.12	0.04191	0.008489	2.68E-06	2.53E-07	1.53E-04	4.82E-08	4.55E-09
490536.72, 3860785.12	0.04342	0.0087949	2.78E-06	2.62E-07	1.58E-04	5.00E-08	4.71E-09
490586.72, 3860785.12	0.04552	0.0092202	2.91E-06	2.74E-07	1.66E-04	5.24E-08	4.94E-09
490636.72, 3860785.12	0.04679	0.0094775	2.99E-06	2.82E-07	1.71E-04	5.39E-08	5.08E-09
490686.72, 3860785.12	0.04767	0.0096557	3.05E-06	2.87E-07	1.74E-04	5.49E-08	5.17E-09
490736.72, 3860785.12	0.04818	0.009759	3.08E-06	2.90E-07	1.76E-04	5.55E-08	5.23E-09
490086.72, 3860835.12	0.03689	0.0074722	2.36E-06	2.22E-07	1.35E-04	4.25E-08	4.00E-09
490136.72, 3860835.12	0.03723	0.0075411	2.38E-06	2.24E-07	1.36E-04	4.28E-08	4.04E-09
490186.72, 3860835.12	0.03823	0.0077436	2.44E-06	2.30E-07	1.39E-04	4.40E-08	4.15E-09
490236.72, 3860835.12	0.03914	0.0079279	2.50E-06	2.36E-07	1.43E-04	4.50E-08	4.25E-09
490286.72, 3860835.12	0.0398	0.0080616	2.54E-06	2.40E-07	1.45E-04	4.58E-08	4.32E-09
490336.72, 3860835.12	0.0408	0.0082642	2.61E-06	2.46E-07	1.49E-04	4.70E-08	4.43E-09
490386.72, 3860835.12	0.04169	0.0084445	2.67E-06	2.51E-07	1.52E-04	4.80E-08	4.52E-09
490436.72, 3860835.12	0.04221	0.0085498	2.70E-06	2.54E-07	1.54E-04	4.86E-08	4.58E-09
490486.72, 3860835.12	0.04291	0.0086916	2.74E-06	2.59E-07	1.56E-04	4.94E-08	4.66E-09
490536.72, 3860835.12	0.04399	0.0089103	2.81E-06	2.65E-07	1.60E-04	5.06E-08	4.77E-09
490586.72, 3860835.12	0.04553	0.0092223	2.91E-06	2.74E-07	1.66E-04	5.24E-08	4.94E-09
490636.72, 3860835.12	0.04708	0.0095362	3.01E-06	2.84E-07	1.72E-04	5.42E-08	5.11E-09
490686.72, 3860835.12	0.04816	0.009755	3.08E-06	2.90E-07	1.76E-04	5.54E-08	5.23E-09
490736.72, 3860835.12	0.0488	0.0098846	3.12E-06	2.94E-07	1.78E-04	5.62E-08	5.30E-09
490086.72, 3860885.12	0.03668	0.0074297	2.34E-06	2.21E-07	1.34E-04	4.22E-08	3.98E-09
490136.72, 3860885.12	0.03738	0.0075715	2.39E-06	2.25E-07	1.36E-04	4.30E-08	4.06E-09
490186.72, 3860885.12	0.03825	0.0077477	2.45E-06	2.31E-07	1.39E-04	4.40E-08	4.15E-09

490236.72, 3860885.12	0.03906	0.0079117	2.50E-06	2.35E-07	1.42E-04	4.50E-08	4.24E-09
490286.72, 3860885.12	0.03994	0.00809	2.55E-06	2.41E-07	1.46E-04	4.60E-08	4.33E-09
490336.72, 3860885.12	0.041	0.0083047	2.62E-06	2.47E-07	1.50E-04	4.72E-08	4.45E-09
490386.72, 3860885.12	0.0417	0.0084465	2.67E-06	2.51E-07	1.52E-04	4.80E-08	4.53E-09
490436.72, 3860885.12	0.0423	0.008568	2.70E-06	2.55E-07	1.54E-04	4.87E-08	4.59E-09
490486.72, 3860885.12	0.04318	0.0087463	2.76E-06	2.60E-07	1.57E-04	4.97E-08	4.69E-09
490536.72, 3860885.12	0.04429	0.0089711	2.83E-06	2.67E-07	1.62E-04	5.10E-08	4.81E-09
490586.72, 3860885.12	0.04566	0.0092486	2.92E-06	2.75E-07	1.67E-04	5.26E-08	4.95E-09
490636.72, 3860885.12	0.04719	0.0095585	3.02E-06	2.84E-07	1.72E-04	5.43E-08	5.12E-09
490686.72, 3860885.12	0.04851	0.0098259	3.10E-06	2.92E-07	1.77E-04	5.58E-08	5.26E-09
490736.72, 3860885.12	0.04972	0.010071	3.18E-06	3.00E-07	1.81E-04	5.72E-08	5.40E-09
490086.72, 3860935.12	0.03707	0.0075087	2.37E-06	2.23E-07	1.35E-04	4.27E-08	4.02E-09
490136.72, 3860935.12	0.03808	0.0077132	2.43E-06	2.30E-07	1.39E-04	4.38E-08	4.13E-09
490186.72, 3860935.12	0.03864	0.0078267	2.47E-06	2.33E-07	1.41E-04	4.45E-08	4.19E-09
490236.72, 3860935.12	0.03932	0.0079644	2.51E-06	2.37E-07	1.43E-04	4.53E-08	4.27E-09
490286.72, 3860935.12	0.03999	0.0081001	2.56E-06	2.41E-07	1.46E-04	4.60E-08	4.34E-09
490336.72, 3860935.12	0.04107	0.0083189	2.63E-06	2.48E-07	1.50E-04	4.73E-08	4.46E-09
490386.72, 3860935.12	0.04169	0.0084445	2.67E-06	2.51E-07	1.52E-04	4.80E-08	4.52E-09
490436.72, 3860935.12	0.04234	0.0085761	2.71E-06	2.55E-07	1.54E-04	4.87E-08	4.59E-09
490486.72, 3860935.12	0.04338	0.0087868	2.77E-06	2.61E-07	1.58E-04	4.99E-08	4.71E-09
490536.72, 3860935.12	0.04437	0.0089873	2.84E-06	2.67E-07	1.62E-04	5.11E-08	4.81E-09
490586.72, 3860935.12	0.04574	0.0092648	2.92E-06	2.76E-07	1.67E-04	5.26E-08	4.96E-09
490636.72, 3860935.12	0.04723	0.0095666	3.02E-06	2.85E-07	1.72E-04	5.44E-08	5.13E-09
490686.72, 3860935.12	0.04861	0.0098461	3.11E-06	2.93E-07	1.77E-04	5.59E-08	5.28E-09
490736.72, 3860935.12	0.05002	0.0101317	3.20E-06	3.02E-07	1.82E-04	5.76E-08	5.43E-09
490786.72, 3860935.12	0.05137	0.0104052	3.28E-06	3.10E-07	1.87E-04	5.91E-08	5.57E-09
490836.72, 3860935.12	0.05223	0.0105794	3.34E-06	3.15E-07	1.90E-04	6.01E-08	5.67E-09
490086.72, 3860985.12	0.03738	0.0075715	2.39E-06	2.25E-07	1.36E-04	4.30E-08	4.06E-09
490136.72, 3860985.12	0.03814	0.0077254	2.44E-06	2.30E-07	1.39E-04	4.39E-08	4.14E-09
490186.72, 3860985.12	0.03865	0.0078287	2.47E-06	2.33E-07	1.41E-04	4.45E-08	4.19E-09
490236.72, 3860985.12	0.0397	0.0080414	2.54E-06	2.39E-07	1.45E-04	4.57E-08	4.31E-09
490286.72, 3860985.12	0.04058	0.0082196	2.59E-06	2.45E-07	1.48E-04	4.67E-08	4.40E-09
490336.72, 3860985.12	0.04143	0.0083918	2.65E-06	2.50E-07	1.51E-04	4.77E-08	4.50E-09
490386.72, 3860985.12	0.04218	0.0085437	2.70E-06	2.54E-07	1.54E-04	4.85E-08	4.58E-09
490436.72, 3860985.12	0.04258	0.0086247	2.72E-06	2.57E-07	1.55E-04	4.90E-08	4.62E-09
490486.72, 3860985.12	0.04364	0.0088394	2.79E-06	2.63E-07	1.59E-04	5.02E-08	4.74E-09
490536.72, 3860985.12	0.04492	0.0090987	2.87E-06	2.71E-07	1.64E-04	5.17E-08	4.87E-09
490586.72, 3860985.12	0.04624	0.0093661	2.96E-06	2.79E-07	1.69E-04	5.32E-08	5.02E-09
490636.72, 3860985.12	0.04739	0.009599	3.03E-06	2.86E-07	1.73E-04	5.45E-08	5.14E-09
490686.72, 3860985.12	0.04894	0.009913	3.13E-06	2.95E-07	1.78E-04	5.63E-08	5.31E-09
490736.72, 3860985.12	0.05054	0.0102371	3.23E-06	3.05E-07	1.84E-04	5.82E-08	5.48E-09
490786.72, 3860985.12	0.05192	0.0105166	3.32E-06	3.13E-07	1.89E-04	5.98E-08	5.63E-09
490836.72, 3860985.12	0.05303	0.0107414	3.39E-06	3.20E-07	1.93E-04	6.10E-08	5.75E-09
490086.72, 3861035.12	0.03808	0.0077132	2.43E-06	2.30E-07	1.39E-04	4.38E-08	4.13E-09
490136.72, 3861035.12	0.03874	0.0078469	2.48E-06	2.34E-07	1.41E-04	4.46E-08	4.20E-09
490186.72, 3861035.12	0.03953	0.0080069	2.53E-06	2.38E-07	1.44E-04	4.55E-08	4.29E-09
490236.72, 3861035.12	0.0402	0.0081427	2.57E-06	2.42E-07	1.47E-04	4.63E-08	4.36E-09
490286.72, 3861035.12	0.04127	0.0083594	2.64E-06	2.49E-07	1.50E-04	4.75E-08	4.48E-09
490336.72, 3861035.12	0.04226	0.0085599	2.70E-06	2.55E-07	1.54E-04	4.86E-08	4.59E-09
490386.72, 3861035.12	0.04272	0.0086531	2.73E-06	2.57E-07	1.56E-04	4.92E-08	4.64E-09
490436.72, 3861035.12	0.0432	0.0087503	2.76E-06	2.60E-07	1.58E-04	4.97E-08	4.69E-09
490486.72, 3861035.12	0.04417	0.0089468	2.82E-06	2.66E-07	1.61E-04	5.08E-08	4.79E-09
490536.72, 3861035.12	0.0454	0.0091959	2.90E-06	2.74E-07	1.66E-04	5.23E-08	4.93E-09
490586.72, 3861035.12	0.04677	0.0094734	2.99E-06	2.82E-07	1.71E-04	5.38E-08	5.08E-09
490636.72, 3861035.12	0.04823	0.0097692	3.08E-06	2.91E-07	1.76E-04	5.55E-08	5.23E-09
490686.72, 3861035.12	0.04976	0.0100791	3.18E-06	3.00E-07	1.81E-04	5.73E-08	5.40E-09
490736.72, 3861035.12	0.0513	0.010391	3.28E-06	3.09E-07	1.87E-04	5.90E-08	5.57E-09
490786.72, 3861035.12	0.05263	0.0106604	3.36E-06	3.17E-07	1.92E-04	6.06E-08	5.71E-09
490836.72, 3861035.12	0.05392	0.0109217	3.45E-06	3.25E-07	1.97E-04	6.21E-08	5.85E-09
490086.72, 3861085.12	0.03889	0.0078773	2.49E-06	2.34E-07	1.42E-04	4.48E-08	4.22E-09

490136.72, 3861085.12	0.0393	0.0079604	2.51E-06	2.37E-07	1.43E-04	4.52E-08	4.26E-09
490186.72, 3861085.12	0.03965	0.0080313	2.53E-06	2.39E-07	1.45E-04	4.56E-08	4.30E-09
490236.72, 3861085.12	0.04075	0.0082541	2.61E-06	2.46E-07	1.49E-04	4.69E-08	4.42E-09
490286.72, 3861085.12	0.04179	0.0084647	2.67E-06	2.52E-07	1.52E-04	4.81E-08	4.53E-09
490336.72, 3861085.12	0.04287	0.0086835	2.74E-06	2.58E-07	1.56E-04	4.93E-08	4.65E-09
490386.72, 3861085.12	0.04344	0.0087989	2.78E-06	2.62E-07	1.58E-04	5.00E-08	4.71E-09
490436.72, 3861085.12	0.04431	0.0089751	2.83E-06	2.67E-07	1.62E-04	5.10E-08	4.81E-09
490486.72, 3861085.12	0.04526	0.0091676	2.89E-06	2.73E-07	1.65E-04	5.21E-08	4.91E-09
490536.72, 3861085.12	0.04601	0.0093195	2.94E-06	2.77E-07	1.68E-04	5.30E-08	4.99E-09
490586.72, 3861085.12	0.04744	0.0096091	3.03E-06	2.86E-07	1.73E-04	5.46E-08	5.15E-09
490636.72, 3861085.12	0.04922	0.0099697	3.15E-06	2.97E-07	1.79E-04	5.66E-08	5.34E-09
490686.72, 3861085.12	0.05077	0.0102836	3.25E-06	3.06E-07	1.85E-04	5.84E-08	5.51E-09
490736.72, 3861085.12	0.05216	0.0105652	3.33E-06	3.14E-07	1.90E-04	6.00E-08	5.66E-09
490786.72, 3861085.12	0.05357	0.0108508	3.42E-06	3.23E-07	1.95E-04	6.17E-08	5.81E-09
490836.72, 3861085.12	0.05502	0.0111445	3.52E-06	3.32E-07	2.01E-04	6.33E-08	5.97E-09
490086.72, 3861135.12	0.03975	0.0080515	2.54E-06	2.40E-07	1.45E-04	4.58E-08	4.31E-09
490136.72, 3861135.12	0.0403	0.0081629	2.58E-06	2.43E-07	1.47E-04	4.64E-08	4.37E-09
490186.72, 3861135.12	0.04078	0.0082601	2.61E-06	2.46E-07	1.49E-04	4.69E-08	4.43E-09
490236.72, 3861135.12	0.04143	0.0083918	2.65E-06	2.50E-07	1.51E-04	4.77E-08	4.50E-09
490286.72, 3861135.12	0.04232	0.0085721	2.71E-06	2.55E-07	1.54E-04	4.87E-08	4.59E-09
490336.72, 3861135.12	0.04339	0.0087888	2.77E-06	2.62E-07	1.58E-04	4.99E-08	4.71E-09
490386.72, 3861135.12	0.04423	0.0089589	2.83E-06	2.67E-07	1.61E-04	5.09E-08	4.80E-09
490436.72, 3861135.12	0.04523	0.0091615	2.89E-06	2.73E-07	1.65E-04	5.21E-08	4.91E-09
490486.72, 3861135.12	0.04615	0.0093478	2.95E-06	2.78E-07	1.68E-04	5.31E-08	5.01E-09
490536.72, 3861135.12	0.04716	0.0095524	3.01E-06	2.84E-07	1.72E-04	5.43E-08	5.12E-09
490586.72, 3861135.12	0.04845	0.0098137	3.10E-06	2.92E-07	1.77E-04	5.58E-08	5.26E-09
490636.72, 3861135.12	0.05014	0.010156	3.21E-06	3.02E-07	1.83E-04	5.77E-08	5.44E-09
490686.72, 3861135.12	0.05155	0.0104416	3.30E-06	3.11E-07	1.88E-04	5.93E-08	5.59E-09
490736.72, 3861135.12	0.0529	0.0107151	3.38E-06	3.19E-07	1.93E-04	6.09E-08	5.74E-09
490786.72, 3861135.12	0.05437	0.0110128	3.48E-06	3.28E-07	1.98E-04	6.26E-08	5.90E-09
490836.72, 3861135.12	0.056	0.011343	3.58E-06	3.38E-07	2.04E-04	6.45E-08	6.08E-09
490086.72, 3861185.12	0.04057	0.0082176	2.59E-06	2.45E-07	1.48E-04	4.67E-08	4.40E-09
490136.72, 3861185.12	0.0415	0.008406	2.65E-06	2.50E-07	1.51E-04	4.78E-08	4.50E-09
490186.72, 3861185.12	0.04217	0.0085417	2.70E-06	2.54E-07	1.54E-04	4.85E-08	4.58E-09
490236.72, 3861185.12	0.04279	0.0086673	2.74E-06	2.58E-07	1.56E-04	4.92E-08	4.64E-09
490286.72, 3861185.12	0.04324	0.0087584	2.76E-06	2.61E-07	1.58E-04	4.98E-08	4.69E-09
490336.72, 3861185.12	0.04473	0.0090602	2.86E-06	2.70E-07	1.63E-04	5.15E-08	4.85E-09
490386.72, 3861185.12	0.04557	0.0092304	2.91E-06	2.75E-07	1.66E-04	5.24E-08	4.95E-09
490436.72, 3861185.12	0.04621	0.00936	2.95E-06	2.79E-07	1.69E-04	5.32E-08	5.01E-09
490486.72, 3861185.12	0.04726	0.0095727	3.02E-06	2.85E-07	1.72E-04	5.44E-08	5.13E-09
490536.72, 3861185.12	0.04768	0.0096578	3.05E-06	2.87E-07	1.74E-04	5.49E-08	5.17E-09
490586.72, 3861185.12	0.04917	0.0099596	3.14E-06	2.96E-07	1.79E-04	5.66E-08	5.34E-09
490636.72, 3861185.12	0.05121	0.0103728	3.27E-06	3.09E-07	1.87E-04	5.89E-08	5.56E-09
490686.72, 3861185.12	0.05267	0.0106685	3.37E-06	3.17E-07	1.92E-04	6.06E-08	5.72E-09
490736.72, 3861185.12	0.05376	0.0108893	3.44E-06	3.24E-07	1.96E-04	6.19E-08	5.83E-09
490786.72, 3861185.12	0.0551	0.0111607	3.52E-06	3.32E-07	2.01E-04	6.34E-08	5.98E-09
490836.72, 3861185.12	0.0567	0.0114848	3.62E-06	3.42E-07	2.07E-04	6.53E-08	6.15E-09
490086.72, 3861235.12	0.04147	0.0083999	2.65E-06	2.50E-07	1.51E-04	4.77E-08	4.50E-09
490136.72, 3861235.12	0.04236	0.0085802	2.71E-06	2.55E-07	1.54E-04	4.88E-08	4.60E-09
490186.72, 3861235.12	0.04302	0.0087139	2.75E-06	2.59E-07	1.57E-04	4.95E-08	4.67E-09
490236.72, 3861235.12	0.04403	0.0089184	2.81E-06	2.65E-07	1.61E-04	5.07E-08	4.78E-09
490386.72, 3861235.12	0.04689	0.0094977	3.00E-06	2.83E-07	1.71E-04	5.40E-08	5.09E-09
490436.72, 3861235.12	0.04799	0.0097205	3.07E-06	2.89E-07	1.75E-04	5.52E-08	5.21E-09
490486.72, 3861235.12	0.04902	0.0099292	3.13E-06	2.95E-07	1.79E-04	5.64E-08	5.32E-09
490536.72, 3861235.12	0.04907	0.0099393	3.14E-06	2.96E-07	1.79E-04	5.65E-08	5.32E-09
490586.72, 3861235.12	0.04961	0.0100487	3.17E-06	2.99E-07	1.81E-04	5.71E-08	5.38E-09
490636.72, 3861235.12	0.05225	0.0105834	3.34E-06	3.15E-07	1.91E-04	6.01E-08	5.67E-09
490686.72, 3861235.12	0.05364	0.010865	3.43E-06	3.23E-07	1.96E-04	6.17E-08	5.82E-09
490736.72, 3861235.12	0.05468	0.0110756	3.50E-06	3.30E-07	1.99E-04	6.29E-08	5.93E-09
490786.72, 3861235.12	0.05576	0.0112944	3.56E-06	3.36E-07	2.03E-04	6.42E-08	6.05E-09

490836.72, 3861235.12	0.05732	0.0116104	3.66E-06	3.46E-07	2.09E-04	6.60E-08	6.22E-09
490086.72, 3861285.12	0.04207	0.0085214	2.69E-06	2.54E-07	1.53E-04	4.84E-08	4.57E-09
490136.72, 3861285.12	0.04255	0.0086187	2.72E-06	2.56E-07	1.55E-04	4.90E-08	4.62E-09
490186.72, 3861285.12	0.04378	0.0088678	2.80E-06	2.64E-07	1.60E-04	5.04E-08	4.75E-09
490236.72, 3861285.12	0.04479	0.0090724	2.86E-06	2.70E-07	1.63E-04	5.16E-08	4.86E-09
490386.72, 3861285.12	0.0478	0.0096821	3.06E-06	2.88E-07	1.74E-04	5.50E-08	5.19E-09
490436.72, 3861285.12	0.04863	0.0098502	3.11E-06	2.93E-07	1.77E-04	5.60E-08	5.28E-09
490486.72, 3861285.12	0.04986	0.0100993	3.19E-06	3.01E-07	1.82E-04	5.74E-08	5.41E-09
490536.72, 3861285.12	0.05084	0.0102978	3.25E-06	3.06E-07	1.85E-04	5.85E-08	5.52E-09
490586.72, 3861285.12	0.05168	0.010468	3.30E-06	3.12E-07	1.88E-04	5.95E-08	5.61E-09
490636.72, 3861285.12	0.05348	0.0108326	3.42E-06	3.22E-07	1.95E-04	6.16E-08	5.80E-09
490686.72, 3861285.12	0.05474	0.0110878	3.50E-06	3.30E-07	2.00E-04	6.30E-08	5.94E-09
490736.72, 3861285.12	0.05526	0.0111931	3.53E-06	3.33E-07	2.02E-04	6.36E-08	6.00E-09
490786.72, 3861285.12	0.0567	0.0114848	3.62E-06	3.42E-07	2.07E-04	6.53E-08	6.15E-09
490836.72, 3861285.12	0.05853	0.0118555	3.74E-06	3.53E-07	2.13E-04	6.74E-08	6.35E-09
490061.24, 3859716.13	0.0288	0.0058335	1.84E-06	1.74E-07	1.05E-04	3.31E-08	3.13E-09
490111.24, 3859716.13	0.02923	0.0059206	1.87E-06	1.76E-07	1.07E-04	3.36E-08	3.17E-09
490161.24, 3859716.13	0.0298	0.0060361	1.91E-06	1.80E-07	1.09E-04	3.43E-08	3.23E-09
490211.24, 3859716.13	0.03052	0.0061819	1.95E-06	1.84E-07	1.11E-04	3.51E-08	3.31E-09
490061.24, 3859766.13	0.02859	0.005791	1.83E-06	1.72E-07	1.04E-04	3.29E-08	3.10E-09
490111.24, 3859766.13	0.02935	0.0059449	1.88E-06	1.77E-07	1.07E-04	3.38E-08	3.19E-09
490161.24, 3859766.13	0.03018	0.0061131	1.93E-06	1.82E-07	1.10E-04	3.47E-08	3.28E-09
490211.24, 3859766.13	0.03083	0.0062447	1.97E-06	1.86E-07	1.12E-04	3.55E-08	3.35E-09
490061.24, 3859816.13	0.02829	0.0057302	1.81E-06	1.71E-07	1.03E-04	3.26E-08	3.07E-09
490111.24, 3859816.13	0.02928	0.0059308	1.87E-06	1.76E-07	1.07E-04	3.37E-08	3.18E-09
490161.24, 3859816.13	0.03013	0.0061029	1.93E-06	1.82E-07	1.10E-04	3.47E-08	3.27E-09
490211.24, 3859816.13	0.03098	0.0062751	1.98E-06	1.87E-07	1.13E-04	3.57E-08	3.36E-09
490061.24, 3859866.13	0.02782	0.005635	1.78E-06	1.68E-07	1.01E-04	3.20E-08	3.02E-09
490111.24, 3859866.13	0.02879	0.0058315	1.84E-06	1.74E-07	1.05E-04	3.31E-08	3.12E-09
490161.24, 3859866.13	0.02967	0.0060098	1.90E-06	1.79E-07	1.08E-04	3.41E-08	3.22E-09
490211.24, 3859866.13	0.03055	0.006188	1.95E-06	1.84E-07	1.11E-04	3.52E-08	3.32E-09
490061.24, 3859916.13	0.02736	0.0055419	1.75E-06	1.65E-07	9.98E-05	3.15E-08	2.97E-09
490111.24, 3859916.13	0.02818	0.005708	1.80E-06	1.70E-07	1.03E-04	3.24E-08	3.06E-09
490161.24, 3859916.13	0.02912	0.0058984	1.86E-06	1.76E-07	1.06E-04	3.35E-08	3.16E-09
490211.24, 3859916.13	0.03017	0.006111	1.93E-06	1.82E-07	1.10E-04	3.47E-08	3.27E-09
490229.25, 3859815.26	0.0311	0.0062994	1.99E-06	1.87E-07	1.13E-04	3.58E-08	3.37E-09
490279.25, 3859815.26	0.03198	0.0064777	2.04E-06	1.93E-07	1.17E-04	3.68E-08	3.47E-09
490329.25, 3859815.26	0.03283	0.0066498	2.10E-06	1.98E-07	1.20E-04	3.78E-08	3.56E-09
490379.25, 3859815.26	0.0331	0.0067045	2.12E-06	2.00E-07	1.21E-04	3.81E-08	3.59E-09
490429.25, 3859815.26	0.03287	0.0066579	2.10E-06	1.98E-07	1.20E-04	3.78E-08	3.57E-09
490229.25, 3859865.26	0.03087	0.0062528	1.97E-06	1.86E-07	1.13E-04	3.55E-08	3.35E-09
490279.25, 3859865.26	0.03185	0.0064513	2.04E-06	1.92E-07	1.16E-04	3.67E-08	3.46E-09
490329.25, 3859865.26	0.03282	0.0066478	2.10E-06	1.98E-07	1.20E-04	3.78E-08	3.56E-09
490379.25, 3859865.26	0.0335	0.0067855	2.14E-06	2.02E-07	1.22E-04	3.86E-08	3.64E-09
490429.25, 3859865.26	0.03395	0.0068767	2.17E-06	2.05E-07	1.24E-04	3.91E-08	3.68E-09
490229.25, 3859915.26	0.03047	0.0061718	1.95E-06	1.84E-07	1.11E-04	3.51E-08	3.31E-09
490279.25, 3859915.26	0.03167	0.0064149	2.02E-06	1.91E-07	1.15E-04	3.65E-08	3.44E-09
490329.25, 3859915.26	0.03268	0.0066195	2.09E-06	1.97E-07	1.19E-04	3.76E-08	3.55E-09
490379.25, 3859915.26	0.03355	0.0067957	2.14E-06	2.02E-07	1.22E-04	3.86E-08	3.64E-09
490429.25, 3859915.26	0.03444	0.0069759	2.20E-06	2.08E-07	1.26E-04	3.96E-08	3.74E-09
490451.43, 3859872.59	0.03434	0.0069557	2.20E-06	2.07E-07	1.25E-04	3.95E-08	3.73E-09
490501.43, 3859872.59	0.03428	0.0069435	2.19E-06	2.07E-07	1.25E-04	3.95E-08	3.72E-09
490551.43, 3859872.59	0.03346	0.0067774	2.14E-06	2.02E-07	1.22E-04	3.85E-08	3.63E-09
490601.43, 3859872.59	0.03266	0.0066154	2.09E-06	1.97E-07	1.19E-04	3.76E-08	3.54E-09
490451.43, 3859922.59	0.0348	0.0070489	2.22E-06	2.10E-07	1.27E-04	4.01E-08	3.78E-09
490501.43, 3859922.59	0.03527	0.0071441	2.25E-06	2.13E-07	1.29E-04	4.06E-08	3.83E-09
490551.43, 3859922.59	0.03494	0.0070772	2.23E-06	2.11E-07	1.27E-04	4.02E-08	3.79E-09
490601.43, 3859922.59	0.0342	0.0069273	2.19E-06	2.06E-07	1.25E-04	3.94E-08	3.71E-09
482129.67, 3852241.07	0.00425	0.0008609	2.72E-07	2.56E-08	1.55E-05	4.89E-09	4.61E-10
482029.67, 3852291.07	0.00457	0.0009257	2.92E-07	2.75E-08	1.67E-05	5.26E-09	4.96E-10

482079.67, 3852291.07	0.00449	0.0009095	2.87E-07	2.71E-08	1.64E-05	5.17E-09	4.87E-10
482129.67, 3852291.07	0.0044	0.0008912	2.81E-07	2.65E-08	1.60E-05	5.06E-09	4.77E-10
482179.67, 3852291.07	0.00425	0.0008609	2.72E-07	2.56E-08	1.55E-05	4.89E-09	4.61E-10
482229.67, 3852291.07	0.00405	0.0008203	2.59E-07	2.44E-08	1.48E-05	4.66E-09	4.39E-10
482029.67, 3852341.07	0.00473	0.0009581	3.02E-07	2.85E-08	1.72E-05	5.44E-09	5.13E-10
482079.67, 3852341.07	0.00465	0.0009419	2.97E-07	2.80E-08	1.70E-05	5.35E-09	5.05E-10
482129.67, 3852341.07	0.00457	0.0009257	2.92E-07	2.75E-08	1.67E-05	5.26E-09	4.96E-10
482179.67, 3852341.07	0.00444	0.0008993	2.84E-07	2.68E-08	1.62E-05	5.11E-09	4.82E-10
482259.06, 3852400.14	0.00459	0.0009297	2.93E-07	2.77E-08	1.67E-05	5.28E-09	4.98E-10
482309.06, 3852400.14	0.00427	0.0008649	2.73E-07	2.57E-08	1.56E-05	4.91E-09	4.63E-10
482209.06, 3852450.14	0.00494	0.0010006	3.16E-07	2.98E-08	1.80E-05	5.69E-09	5.36E-10
482259.06, 3852450.14	0.00482	0.0009763	3.08E-07	2.91E-08	1.76E-05	5.55E-09	5.23E-10
482309.06, 3852450.14	0.00448	0.0009074	2.86E-07	2.70E-08	1.63E-05	5.16E-09	4.86E-10
482209.06, 3852500.14	0.00506	0.0010249	3.23E-07	3.05E-08	1.85E-05	5.82E-09	5.49E-10
482259.06, 3852500.14	0.00494	0.0010006	3.16E-07	2.98E-08	1.80E-05	5.69E-09	5.36E-10
482309.06, 3852500.14	0.00478	0.0009682	3.06E-07	2.88E-08	1.74E-05	5.50E-09	5.19E-10
482283.91, 3852513.62	0.00492	0.0009966	3.15E-07	2.97E-08	1.79E-05	5.66E-09	5.34E-10
482333.91, 3852513.62	0.00468	0.000948	2.99E-07	2.82E-08	1.71E-05	5.39E-09	5.08E-10
482283.91, 3852563.62	0.00511	0.001035	3.27E-07	3.08E-08	1.86E-05	5.88E-09	5.55E-10
482333.91, 3852563.62	0.00501	0.0010148	3.20E-07	3.02E-08	1.83E-05	5.77E-09	5.44E-10
482383.91, 3852563.62	0.00483	0.0009783	3.09E-07	2.91E-08	1.76E-05	5.56E-09	5.24E-10
482283.91, 3852613.62	0.00515	0.0010432	3.29E-07	3.10E-08	1.88E-05	5.93E-09	5.59E-10
482333.91, 3852613.62	0.00514	0.0010411	3.29E-07	3.10E-08	1.87E-05	5.92E-09	5.58E-10
482383.91, 3852613.62	0.00511	0.001035	3.27E-07	3.08E-08	1.86E-05	5.88E-09	5.55E-10
482602.38, 3852600.87	0.00422	0.0008548	2.70E-07	2.54E-08	1.54E-05	4.86E-09	4.58E-10
482652.38, 3852600.87	0.00422	0.0008548	2.70E-07	2.54E-08	1.54E-05	4.86E-09	4.58E-10
482702.38, 3852600.87	0.00396	0.0008021	2.53E-07	2.39E-08	1.44E-05	4.56E-09	4.30E-10
482552.38, 3852650.87	0.00459	0.0009297	2.93E-07	2.77E-08	1.67E-05	5.28E-09	4.98E-10
482602.38, 3852650.87	0.00456	0.0009236	2.92E-07	2.75E-08	1.66E-05	5.25E-09	4.95E-10
482652.38, 3852650.87	0.00446	0.0009034	2.85E-07	2.69E-08	1.63E-05	5.13E-09	4.84E-10
482702.38, 3852650.87	0.00429	0.000869	2.74E-07	2.59E-08	1.56E-05	4.94E-09	4.66E-10
482552.38, 3852700.87	0.00486	0.0009844	3.11E-07	2.93E-08	1.77E-05	5.59E-09	5.27E-10
482602.38, 3852700.87	0.0048	0.0009723	3.07E-07	2.89E-08	1.75E-05	5.52E-09	5.21E-10
482652.38, 3852700.87	0.00485	0.0009824	3.10E-07	2.92E-08	1.77E-05	5.58E-09	5.26E-10
482702.38, 3852700.87	0.0047	0.000952	3.00E-07	2.83E-08	1.71E-05	5.41E-09	5.10E-10
482452.38, 3852750.87	0.00522	0.0010573	3.34E-07	3.15E-08	1.90E-05	6.01E-09	5.66E-10
482521.29, 3852749.74	0.00511	0.001035	3.27E-07	3.08E-08	1.86E-05	5.88E-09	5.55E-10
482571.29, 3852749.74	0.00504	0.0010209	3.22E-07	3.04E-08	1.84E-05	5.80E-09	5.47E-10
482521.29, 3852799.74	0.00527	0.0010675	3.37E-07	3.18E-08	1.92E-05	6.07E-09	5.72E-10
482571.29, 3852799.74	0.00522	0.0010573	3.34E-07	3.15E-08	1.90E-05	6.01E-09	5.66E-10
482621.29, 3852799.74	0.00514	0.0010411	3.29E-07	3.10E-08	1.87E-05	5.92E-09	5.58E-10
482571.29, 3852849.74	0.00529	0.0010715	3.38E-07	3.19E-08	1.93E-05	6.09E-09	5.74E-10
482621.29, 3852849.74	0.0052	0.0010533	3.32E-07	3.13E-08	1.90E-05	5.98E-09	5.64E-10
482577.42, 3852901.55	0.00531	0.0010756	3.39E-07	3.20E-08	1.94E-05	6.11E-09	5.76E-10
482627.42, 3852901.55	0.00522	0.0010573	3.34E-07	3.15E-08	1.90E-05	6.01E-09	5.66E-10
482629.96, 3852955.85	0.00528	0.0010695	3.38E-07	3.18E-08	1.93E-05	6.08E-09	5.73E-10
482679.96, 3852955.85	0.00521	0.0010553	3.33E-07	3.14E-08	1.90E-05	6.00E-09	5.65E-10
482781.63, 3853034.48	0.00511	0.001035	3.27E-07	3.08E-08	1.86E-05	5.88E-09	5.55E-10
482831.63, 3853034.48	0.00501	0.0010148	3.20E-07	3.02E-08	1.83E-05	5.77E-09	5.44E-10
482881.63, 3853034.48	0.00492	0.0009966	3.15E-07	2.97E-08	1.79E-05	5.66E-09	5.34E-10
482781.63, 3853084.48	0.00518	0.0010492	3.31E-07	3.12E-08	1.89E-05	5.96E-09	5.62E-10
482831.63, 3853084.48	0.00508	0.001029	3.25E-07	3.06E-08	1.85E-05	5.85E-09	5.51E-10
482881.63, 3853084.48	0.00501	0.0010148	3.20E-07	3.02E-08	1.83E-05	5.77E-09	5.44E-10
482781.63, 3853134.48	0.00526	0.0010654	3.36E-07	3.17E-08	1.92E-05	6.05E-09	5.71E-10
482831.63, 3853134.48	0.00518	0.0010492	3.31E-07	3.12E-08	1.89E-05	5.96E-09	5.62E-10
482881.63, 3853134.48	0.00515	0.0010432	3.29E-07	3.10E-08	1.88E-05	5.93E-09	5.59E-10
482831.63, 3853184.48	0.00526	0.0010654	3.36E-07	3.17E-08	1.92E-05	6.05E-09	5.71E-10
482881.63, 3853184.48	0.00524	0.0010614	3.35E-07	3.16E-08	1.91E-05	6.03E-09	5.69E-10
484154.84, 3854250.98	0.00323	0.0006542	2.06E-07	1.95E-08	1.18E-05	3.72E-09	3.51E-10
484204.84, 3854250.98	0.00323	0.0006542	2.06E-07	1.95E-08	1.18E-05	3.72E-09	3.51E-10

484154.84, 3854300.98	0.00311	0.0006299	1.99E-07	1.87E-08	1.13E-05	3.58E-09	3.37E-10
484204.84, 3854300.98	0.00314	0.000636	2.01E-07	1.89E-08	1.15E-05	3.61E-09	3.41E-10
484074.19, 3854519.8	0.00286	0.0005793	1.83E-07	1.72E-08	1.04E-05	3.29E-09	3.10E-10
484124.19, 3854519.8	0.00284	0.0005753	1.82E-07	1.71E-08	1.04E-05	3.27E-09	3.08E-10
484074.19, 3854569.8	0.00283	0.0005732	1.81E-07	1.71E-08	1.03E-05	3.26E-09	3.07E-10
484124.19, 3854569.8	0.00278	0.0005631	1.78E-07	1.68E-08	1.01E-05	3.20E-09	3.02E-10
485205.11, 3855188.89	0.00362	0.0007332	2.31E-07	2.18E-08	1.32E-05	4.17E-09	3.93E-10
485255.11, 3855188.89	0.00358	0.0007251	2.29E-07	2.16E-08	1.31E-05	4.12E-09	3.88E-10
485205.11, 3855238.89	0.00357	0.0007231	2.28E-07	2.15E-08	1.30E-05	4.11E-09	3.87E-10
485255.11, 3855238.89	0.00359	0.0007272	2.30E-07	2.16E-08	1.31E-05	4.13E-09	3.90E-10
485205.11, 3855288.89	0.00365	0.0007393	2.33E-07	2.20E-08	1.33E-05	4.20E-09	3.96E-10
485255.11, 3855288.89	0.0037	0.0007494	2.37E-07	2.23E-08	1.35E-05	4.26E-09	4.02E-10
485255.11, 3855338.89	0.00382	0.0007738	2.44E-07	2.30E-08	1.39E-05	4.40E-09	4.15E-10
485305.11, 3855338.89	0.00378	0.0007657	2.42E-07	2.28E-08	1.38E-05	4.35E-09	4.10E-10
485852.5, 3855635.28	0.00417	0.0008446	2.67E-07	2.51E-08	1.52E-05	4.80E-09	4.53E-10
485902.5, 3855635.28	0.00413	0.0008365	2.64E-07	2.49E-08	1.51E-05	4.75E-09	4.48E-10
485852.5, 3855685.28	0.0042	0.0008507	2.69E-07	2.53E-08	1.53E-05	4.83E-09	4.56E-10
485902.5, 3855685.28	0.00416	0.0008426	2.66E-07	2.51E-08	1.52E-05	4.79E-09	4.51E-10
485852.5, 3855735.28	0.00425	0.0008609	2.72E-07	2.56E-08	1.55E-05	4.89E-09	4.61E-10
485902.5, 3855735.28	0.00422	0.0008548	2.70E-07	2.54E-08	1.54E-05	4.86E-09	4.58E-10
485852.5, 3855785.28	0.00434	0.0008791	2.77E-07	2.62E-08	1.58E-05	5.00E-09	4.71E-10
485902.5, 3855785.28	0.00425	0.0008609	2.72E-07	2.56E-08	1.55E-05	4.89E-09	4.61E-10
486809.46, 3856465.28	0.00488	0.0009885	3.12E-07	2.94E-08	1.78E-05	5.62E-09	5.30E-10
486859.46, 3856465.28	0.00493	0.0009986	3.15E-07	2.97E-08	1.80E-05	5.67E-09	5.35E-10
486909.46, 3856465.28	0.00495	0.0010026	3.16E-07	2.98E-08	1.81E-05	5.70E-09	5.37E-10
486809.46, 3856515.28	0.00499	0.0010107	3.19E-07	3.01E-08	1.82E-05	5.74E-09	5.42E-10
486859.46, 3856515.28	0.00504	0.0010209	3.22E-07	3.04E-08	1.84E-05	5.80E-09	5.47E-10
486909.46, 3856515.28	0.00507	0.0010269	3.24E-07	3.06E-08	1.85E-05	5.84E-09	5.50E-10
486980.94, 3856357.95	0.00491	0.0009945	3.14E-07	2.96E-08	1.79E-05	5.65E-09	5.33E-10
487030.94, 3856357.95	0.00498	0.0010087	3.18E-07	3.00E-08	1.82E-05	5.73E-09	5.40E-10
486980.94, 3856407.95	0.00497	0.0010067	3.18E-07	3.00E-08	1.81E-05	5.72E-09	5.39E-10
487030.94, 3856407.95	0.00502	0.0010168	3.21E-07	3.03E-08	1.83E-05	5.78E-09	5.45E-10
487447.18, 3856437.45	0.0057	0.0011546	3.64E-07	3.44E-08	2.08E-05	6.56E-09	6.19E-10
487497.18, 3856437.45	0.0058	0.0011748	3.71E-07	3.50E-08	2.12E-05	6.68E-09	6.29E-10
487547.18, 3856437.45	0.00591	0.0011971	3.78E-07	3.56E-08	2.16E-05	6.80E-09	6.41E-10
487447.18, 3856487.45	0.00574	0.0011627	3.67E-07	3.46E-08	2.09E-05	6.61E-09	6.23E-10
487497.18, 3856487.45	0.00584	0.0011829	3.73E-07	3.52E-08	2.13E-05	6.72E-09	6.34E-10
487547.18, 3856487.45	0.00595	0.0012052	3.80E-07	3.59E-08	2.17E-05	6.85E-09	6.46E-10
487447.18, 3856537.45	0.00579	0.0011728	3.70E-07	3.49E-08	2.11E-05	6.66E-09	6.28E-10
487497.18, 3856537.45	0.00587	0.001189	3.75E-07	3.54E-08	2.14E-05	6.76E-09	6.37E-10
487547.18, 3856537.45	0.00599	0.0012133	3.83E-07	3.61E-08	2.18E-05	6.89E-09	6.50E-10
489285.89, 3858826.54	0.01646	0.003334	1.05E-06	9.92E-08	6.00E-05	1.89E-08	1.79E-09
489335.89, 3858826.54	0.01647	0.0033361	1.05E-06	9.93E-08	6.01E-05	1.90E-08	1.79E-09
489385.89, 3858826.54	0.0164	0.0033219	1.05E-06	9.89E-08	5.98E-05	1.89E-08	1.78E-09
489435.89, 3858826.54	0.01641	0.0033239	1.05E-06	9.89E-08	5.98E-05	1.89E-08	1.78E-09
489485.89, 3858826.54	0.01646	0.003334	1.05E-06	9.92E-08	6.00E-05	1.89E-08	1.79E-09
489535.89, 3858826.54	0.01652	0.0033462	1.06E-06	9.96E-08	6.02E-05	1.90E-08	1.79E-09
489585.89, 3858826.54	0.0166	0.0033624	1.06E-06	1.00E-07	6.05E-05	1.91E-08	1.80E-09
489635.89, 3858826.54	0.01663	0.0033685	1.06E-06	1.00E-07	6.06E-05	1.91E-08	1.80E-09
489685.89, 3858826.54	0.01664	0.0033705	1.06E-06	1.00E-07	6.07E-05	1.92E-08	1.81E-09
489735.89, 3858826.54	0.01663	0.0033685	1.06E-06	1.00E-07	6.06E-05	1.91E-08	1.80E-09
489785.89, 3858826.54	0.0167	0.0033826	1.07E-06	1.01E-07	6.09E-05	1.92E-08	1.81E-09
489835.89, 3858826.54	0.01664	0.0033705	1.06E-06	1.00E-07	6.07E-05	1.92E-08	1.81E-09
489885.89, 3858826.54	0.01671	0.0033847	1.07E-06	1.01E-07	6.09E-05	1.92E-08	1.81E-09
489935.89, 3858826.54	0.01674	0.0033907	1.07E-06	1.01E-07	6.10E-05	1.93E-08	1.82E-09
489985.89, 3858826.54	0.01673	0.0033887	1.07E-06	1.01E-07	6.10E-05	1.93E-08	1.82E-09
490035.89, 3858826.54	0.01659	0.0033604	1.06E-06	1.00E-07	6.05E-05	1.91E-08	1.80E-09
489285.89, 3858876.54	0.01677	0.0033968	1.07E-06	1.01E-07	6.12E-05	1.93E-08	1.82E-09
489335.89, 3858876.54	0.01672	0.0033867	1.07E-06	1.01E-07	6.10E-05	1.92E-08	1.81E-09
489385.89, 3858876.54	0.01671	0.0033847	1.07E-06	1.01E-07	6.09E-05	1.92E-08	1.81E-09

489435.89, 3858876.54	0.0167	0.0033826	1.07E-06	1.01E-07	6.09E-05	1.92E-08	1.81E-09
489485.89, 3858876.54	0.01671	0.0033847	1.07E-06	1.01E-07	6.09E-05	1.92E-08	1.81E-09
489535.89, 3858876.54	0.01673	0.0033887	1.07E-06	1.01E-07	6.10E-05	1.93E-08	1.82E-09
489585.89, 3858876.54	0.01669	0.0033806	1.07E-06	1.01E-07	6.09E-05	1.92E-08	1.81E-09
489635.89, 3858876.54	0.01678	0.0033988	1.07E-06	1.01E-07	6.12E-05	1.93E-08	1.82E-09
489685.89, 3858876.54	0.01682	0.003407	1.08E-06	1.01E-07	6.13E-05	1.94E-08	1.83E-09
489735.89, 3858876.54	0.01681	0.0034049	1.07E-06	1.01E-07	6.13E-05	1.93E-08	1.82E-09
489785.89, 3858876.54	0.01691	0.0034252	1.08E-06	1.02E-07	6.17E-05	1.95E-08	1.84E-09
489835.89, 3858876.54	0.01691	0.0034252	1.08E-06	1.02E-07	6.17E-05	1.95E-08	1.84E-09
489885.89, 3858876.54	0.01708	0.0034596	1.09E-06	1.03E-07	6.23E-05	1.97E-08	1.85E-09
489935.89, 3858876.54	0.01702	0.0034475	1.09E-06	1.03E-07	6.21E-05	1.96E-08	1.85E-09
489985.89, 3858876.54	0.01691	0.0034252	1.08E-06	1.02E-07	6.17E-05	1.95E-08	1.84E-09
490035.89, 3858876.54	0.01682	0.003407	1.08E-06	1.01E-07	6.13E-05	1.94E-08	1.83E-09
489285.89, 3858926.54	0.01725	0.003494	1.10E-06	1.04E-07	6.29E-05	1.99E-08	1.87E-09
489335.89, 3858926.54	0.01716	0.0034758	1.10E-06	1.03E-07	6.26E-05	1.98E-08	1.86E-09
489385.89, 3858926.54	0.01703	0.0034495	1.09E-06	1.03E-07	6.21E-05	1.96E-08	1.85E-09
489435.89, 3858926.54	0.01701	0.0034454	1.09E-06	1.03E-07	6.20E-05	1.96E-08	1.85E-09
489485.89, 3858926.54	0.01698	0.0034394	1.09E-06	1.02E-07	6.19E-05	1.95E-08	1.84E-09
489535.89, 3858926.54	0.01696	0.0034353	1.08E-06	1.02E-07	6.18E-05	1.95E-08	1.84E-09
489585.89, 3858926.54	0.01695	0.0034333	1.08E-06	1.02E-07	6.18E-05	1.95E-08	1.84E-09
489635.89, 3858926.54	0.01698	0.0034394	1.09E-06	1.02E-07	6.19E-05	1.95E-08	1.84E-09
489685.89, 3858926.54	0.01695	0.0034333	1.08E-06	1.02E-07	6.18E-05	1.95E-08	1.84E-09
489735.89, 3858926.54	0.01707	0.0034576	1.09E-06	1.03E-07	6.22E-05	1.96E-08	1.85E-09
489785.89, 3858926.54	0.01722	0.003488	1.10E-06	1.04E-07	6.28E-05	1.98E-08	1.87E-09
489835.89, 3858926.54	0.01721	0.0034859	1.10E-06	1.04E-07	6.28E-05	1.98E-08	1.87E-09
489885.89, 3858926.54	0.01732	0.0035082	1.11E-06	1.04E-07	6.32E-05	1.99E-08	1.88E-09
489935.89, 3858926.54	0.01734	0.0035123	1.11E-06	1.05E-07	6.32E-05	2.00E-08	1.88E-09
489985.89, 3858926.54	0.01722	0.003488	1.10E-06	1.04E-07	6.28E-05	1.98E-08	1.87E-09
490035.89, 3858926.54	0.01691	0.0034252	1.08E-06	1.02E-07	6.17E-05	1.95E-08	1.84E-09
489335.89, 3858976.54	0.01766	0.0035771	1.13E-06	1.06E-07	6.44E-05	2.03E-08	1.92E-09
489385.89, 3858976.54	0.01748	0.0035406	1.12E-06	1.05E-07	6.37E-05	2.01E-08	1.90E-09
489435.89, 3858976.54	0.0175	0.0035447	1.12E-06	1.05E-07	6.38E-05	2.01E-08	1.90E-09
489485.89, 3858976.54	0.01739	0.0035224	1.11E-06	1.05E-07	6.34E-05	2.00E-08	1.89E-09
489535.89, 3858976.54	0.01727	0.0034981	1.10E-06	1.04E-07	6.30E-05	1.99E-08	1.87E-09
489585.89, 3858976.54	0.0173	0.0035042	1.11E-06	1.04E-07	6.31E-05	1.99E-08	1.88E-09
489635.89, 3858976.54	0.01727	0.0034981	1.10E-06	1.04E-07	6.30E-05	1.99E-08	1.87E-09
489685.89, 3858976.54	0.01722	0.003488	1.10E-06	1.04E-07	6.28E-05	1.98E-08	1.87E-09
489735.89, 3858976.54	0.01729	0.0035022	1.11E-06	1.04E-07	6.31E-05	1.99E-08	1.88E-09
489785.89, 3858976.54	0.01748	0.0035406	1.12E-06	1.05E-07	6.37E-05	2.01E-08	1.90E-09
489835.89, 3858976.54	0.01761	0.003567	1.13E-06	1.06E-07	6.42E-05	2.03E-08	1.91E-09
489885.89, 3858976.54	0.01749	0.0035427	1.12E-06	1.05E-07	6.38E-05	2.01E-08	1.90E-09
489935.89, 3858976.54	0.01746	0.0035366	1.12E-06	1.05E-07	6.37E-05	2.01E-08	1.89E-09
489985.89, 3858976.54	0.01746	0.0035366	1.12E-06	1.05E-07	6.37E-05	2.01E-08	1.89E-09
490035.89, 3858976.54	0.01656	0.0033543	1.06E-06	9.98E-08	6.04E-05	1.91E-08	1.80E-09
489385.89, 3859026.54	0.01804	0.0036541	1.15E-06	1.09E-07	6.58E-05	2.08E-08	1.96E-09
489435.89, 3859026.54	0.01793	0.0036318	1.15E-06	1.08E-07	6.54E-05	2.06E-08	1.95E-09
489485.89, 3859026.54	0.0178	0.0036055	1.14E-06	1.07E-07	6.49E-05	2.05E-08	1.93E-09
489535.89, 3859026.54	0.01774	0.0035933	1.13E-06	1.07E-07	6.47E-05	2.04E-08	1.93E-09
489585.89, 3859026.54	0.0176	0.0035649	1.13E-06	1.06E-07	6.42E-05	2.03E-08	1.91E-09
489635.89, 3859026.54	0.01758	0.0035609	1.12E-06	1.06E-07	6.41E-05	2.02E-08	1.91E-09
489685.89, 3859026.54	0.01757	0.0035589	1.12E-06	1.06E-07	6.41E-05	2.02E-08	1.91E-09
489735.89, 3859026.54	0.01768	0.0035811	1.13E-06	1.07E-07	6.45E-05	2.03E-08	1.92E-09
489785.89, 3859026.54	0.01779	0.0036034	1.14E-06	1.07E-07	6.49E-05	2.05E-08	1.93E-09
489835.89, 3859026.54	0.01768	0.0035811	1.13E-06	1.07E-07	6.45E-05	2.03E-08	1.92E-09
489885.89, 3859026.54	0.01769	0.0035832	1.13E-06	1.07E-07	6.45E-05	2.04E-08	1.92E-09
489935.89, 3859026.54	0.01762	0.003569	1.13E-06	1.06E-07	6.43E-05	2.03E-08	1.91E-09
489985.89, 3859026.54	0.01755	0.0035548	1.12E-06	1.06E-07	6.40E-05	2.02E-08	1.90E-09
490035.89, 3859026.54	0.01648	0.0033381	1.05E-06	9.93E-08	6.01E-05	1.90E-08	1.79E-09
489485.89, 3859076.54	0.01832	0.0037108	1.17E-06	1.10E-07	6.68E-05	2.11E-08	1.99E-09
489535.89, 3859076.54	0.01817	0.0036804	1.16E-06	1.10E-07	6.63E-05	2.09E-08	1.97E-09

489585.89, 3859076.54	0.01803	0.003652	1.15E-06	1.09E-07	6.57E-05	2.08E-08	1.96E-09
489635.89, 3859076.54	0.01807	0.0036601	1.16E-06	1.09E-07	6.59E-05	2.08E-08	1.96E-09
489685.89, 3859076.54	0.01809	0.0036642	1.16E-06	1.09E-07	6.60E-05	2.08E-08	1.96E-09
489735.89, 3859076.54	0.01812	0.0036703	1.16E-06	1.09E-07	6.61E-05	2.09E-08	1.97E-09
489785.89, 3859076.54	0.01815	0.0036763	1.16E-06	1.09E-07	6.62E-05	2.09E-08	1.97E-09
489835.89, 3859076.54	0.01807	0.0036601	1.16E-06	1.09E-07	6.59E-05	2.08E-08	1.96E-09
489885.89, 3859076.54	0.01799	0.0036439	1.15E-06	1.08E-07	6.56E-05	2.07E-08	1.95E-09
489935.89, 3859076.54	0.01798	0.0036419	1.15E-06	1.08E-07	6.56E-05	2.07E-08	1.95E-09
489985.89, 3859076.54	0.0178	0.0036055	1.14E-06	1.07E-07	6.49E-05	2.05E-08	1.93E-09
490035.89, 3859076.54	0.01684	0.003411	1.08E-06	1.02E-07	6.14E-05	1.94E-08	1.83E-09
489585.89, 3859126.54	0.01865	0.0037776	1.19E-06	1.12E-07	6.80E-05	2.15E-08	2.02E-09
489635.89, 3859126.54	0.01867	0.0037817	1.19E-06	1.13E-07	6.81E-05	2.15E-08	2.03E-09
489685.89, 3859126.54	0.01863	0.0037736	1.19E-06	1.12E-07	6.79E-05	2.14E-08	2.02E-09
489735.89, 3859126.54	0.01859	0.0037655	1.19E-06	1.12E-07	6.78E-05	2.14E-08	2.02E-09
489785.89, 3859126.54	0.01859	0.0037655	1.19E-06	1.12E-07	6.78E-05	2.14E-08	2.02E-09
489835.89, 3859126.54	0.01848	0.0037432	1.18E-06	1.11E-07	6.74E-05	2.13E-08	2.01E-09
489885.89, 3859126.54	0.01829	0.0037047	1.17E-06	1.10E-07	6.67E-05	2.11E-08	1.98E-09
489935.89, 3859126.54	0.01827	0.0037007	1.17E-06	1.10E-07	6.66E-05	2.10E-08	1.98E-09
489985.89, 3859126.54	0.01777	0.0035994	1.14E-06	1.07E-07	6.48E-05	2.05E-08	1.93E-09
490035.89, 3859126.54	0.01729	0.0035022	1.11E-06	1.04E-07	6.31E-05	1.99E-08	1.88E-09
489585.89, 3859176.54	0.01921	0.0038911	1.23E-06	1.16E-07	7.01E-05	2.21E-08	2.08E-09
489635.89, 3859176.54	0.01923	0.0038951	1.23E-06	1.16E-07	7.01E-05	2.21E-08	2.09E-09
489685.89, 3859176.54	0.01928	0.0039052	1.23E-06	1.16E-07	7.03E-05	2.22E-08	2.09E-09
489735.89, 3859176.54	0.0193	0.0039093	1.23E-06	1.16E-07	7.04E-05	2.22E-08	2.09E-09
489785.89, 3859176.54	0.01912	0.0038728	1.22E-06	1.15E-07	6.97E-05	2.20E-08	2.07E-09
489835.89, 3859176.54	0.01899	0.0038465	1.21E-06	1.14E-07	6.93E-05	2.19E-08	2.06E-09
489885.89, 3859176.54	0.01878	0.003804	1.20E-06	1.13E-07	6.85E-05	2.16E-08	2.04E-09
489935.89, 3859176.54	0.01872	0.0037918	1.20E-06	1.13E-07	6.83E-05	2.15E-08	2.03E-09
489985.89, 3859176.54	0.01815	0.0036763	1.16E-06	1.09E-07	6.62E-05	2.09E-08	1.97E-09
490035.89, 3859176.54	0.01814	0.0036743	1.16E-06	1.09E-07	6.62E-05	2.09E-08	1.97E-09
489685.89, 3859226.54	0.01981	0.0040126	1.27E-06	1.19E-07	7.22E-05	2.28E-08	2.15E-09
489735.89, 3859226.54	0.01993	0.0040369	1.27E-06	1.20E-07	7.27E-05	2.29E-08	2.16E-09
489785.89, 3859226.54	0.0198	0.0040106	1.27E-06	1.19E-07	7.22E-05	2.28E-08	2.15E-09
489835.89, 3859226.54	0.0195	0.0039498	1.25E-06	1.18E-07	7.11E-05	2.24E-08	2.12E-09
489885.89, 3859226.54	0.01933	0.0039154	1.24E-06	1.17E-07	7.05E-05	2.22E-08	2.10E-09
489935.89, 3859226.54	0.01911	0.0038708	1.22E-06	1.15E-07	6.97E-05	2.20E-08	2.07E-09
489985.89, 3859226.54	0.01833	0.0037128	1.17E-06	1.10E-07	6.68E-05	2.11E-08	1.99E-09
490035.89, 3859226.54	0.01842	0.003731	1.18E-06	1.11E-07	6.72E-05	2.12E-08	2.00E-09
489735.89, 3859276.54	0.02053	0.0041584	1.31E-06	1.24E-07	7.49E-05	2.36E-08	2.23E-09
489785.89, 3859276.54	0.02051	0.0041544	1.31E-06	1.24E-07	7.48E-05	2.36E-08	2.23E-09
489835.89, 3859276.54	0.02016	0.0040835	1.29E-06	1.22E-07	7.35E-05	2.32E-08	2.19E-09
489885.89, 3859276.54	0.02002	0.0040551	1.28E-06	1.21E-07	7.30E-05	2.30E-08	2.17E-09
489935.89, 3859276.54	0.01965	0.0039802	1.26E-06	1.18E-07	7.17E-05	2.26E-08	2.13E-09
489985.89, 3859276.54	0.01867	0.0037817	1.19E-06	1.13E-07	6.81E-05	2.15E-08	2.03E-09
490035.89, 3859276.54	0.01907	0.0038627	1.22E-06	1.15E-07	6.95E-05	2.19E-08	2.07E-09
490458.06, 3859590.74	0.02501	0.0050659	1.60E-06	1.51E-07	9.12E-05	2.88E-08	2.71E-09
490508.06, 3859590.74	0.0242	0.0049018	1.55E-06	1.46E-07	8.82E-05	2.79E-08	2.63E-09
490558.06, 3859590.74	0.02345	0.0047499	1.50E-06	1.41E-07	8.55E-05	2.70E-08	2.54E-09
490608.06, 3859590.74	0.02263	0.0045838	1.45E-06	1.36E-07	8.25E-05	2.60E-08	2.46E-09
490658.06, 3859590.74	0.02179	0.0044136	1.39E-06	1.31E-07	7.95E-05	2.51E-08	2.36E-09
490708.06, 3859590.74	0.02102	0.0042577	1.34E-06	1.27E-07	7.67E-05	2.42E-08	2.28E-09
490758.06, 3859590.74	0.02023	0.0040977	1.29E-06	1.22E-07	7.38E-05	2.33E-08	2.20E-09
490808.06, 3859590.74	0.01976	0.0040025	1.26E-06	1.19E-07	7.21E-05	2.27E-08	2.14E-09
490858.06, 3859590.74	0.01924	0.0038971	1.23E-06	1.16E-07	7.02E-05	2.21E-08	2.09E-09
490458.06, 3859640.74	0.02695	0.0054588	1.72E-06	1.62E-07	9.83E-05	3.10E-08	2.92E-09
490508.06, 3859640.74	0.02621	0.0053089	1.68E-06	1.58E-07	9.56E-05	3.02E-08	2.84E-09
490558.06, 3859640.74	0.02548	0.0051611	1.63E-06	1.54E-07	9.29E-05	2.93E-08	2.77E-09
490608.06, 3859640.74	0.02436	0.0049342	1.56E-06	1.47E-07	8.88E-05	2.80E-08	2.64E-09
490658.06, 3859640.74	0.02323	0.0047053	1.49E-06	1.40E-07	8.47E-05	2.67E-08	2.52E-09
490708.06, 3859640.74	0.02239	0.0045352	1.43E-06	1.35E-07	8.16E-05	2.58E-08	2.43E-09

490758.06, 3859640.74	0.0215	0.0043549	1.37E-06	1.30E-07	7.84E-05	2.47E-08	2.33E-09
490808.06, 3859640.74	0.02108	0.0042698	1.35E-06	1.27E-07	7.69E-05	2.43E-08	2.29E-09
490858.06, 3859640.74	0.02071	0.0041949	1.32E-06	1.25E-07	7.55E-05	2.38E-08	2.25E-09
490608.06, 3859690.74	0.02611	0.0052887	1.67E-06	1.57E-07	9.52E-05	3.01E-08	2.83E-09
490658.06, 3859690.74	0.02488	0.0050395	1.59E-06	1.50E-07	9.07E-05	2.86E-08	2.70E-09
490708.06, 3859690.74	0.02391	0.0048431	1.53E-06	1.44E-07	8.72E-05	2.75E-08	2.59E-09
490758.06, 3859690.74	0.0229	0.0046385	1.46E-06	1.38E-07	8.35E-05	2.64E-08	2.49E-09
490808.06, 3859690.74	0.02227	0.0045109	1.42E-06	1.34E-07	8.12E-05	2.56E-08	2.42E-09
490858.06, 3859690.74	0.02228	0.0045129	1.42E-06	1.34E-07	8.12E-05	2.56E-08	2.42E-09
490708.06, 3859740.74	0.02584	0.005234	1.65E-06	1.56E-07	9.42E-05	2.97E-08	2.80E-09
490758.06, 3859740.74	0.0254	0.0051449	1.62E-06	1.53E-07	9.26E-05	2.92E-08	2.76E-09
490808.06, 3859740.74	0.02474	0.0050112	1.58E-06	1.49E-07	9.02E-05	2.85E-08	2.68E-09
490858.06, 3859740.74	0.02436	0.0049342	1.56E-06	1.47E-07	8.88E-05	2.80E-08	2.64E-09
490786.56, 3859749.39	0.02547	0.005159	1.63E-06	1.54E-07	9.29E-05	2.93E-08	2.76E-09
490836.56, 3859749.39	0.02486	0.0050355	1.59E-06	1.50E-07	9.07E-05	2.86E-08	2.70E-09
490786.56, 3859799.39	0.02784	0.0056391	1.78E-06	1.68E-07	1.02E-04	3.20E-08	3.02E-09
490836.56, 3859799.39	0.02712	0.0054933	1.73E-06	1.63E-07	9.89E-05	3.12E-08	2.94E-09
492307.84, 3854508.36	0.00208	0.0004213	1.33E-07	1.25E-08	7.59E-06	2.39E-09	2.26E-10
486445.7, 3854753.6	0.00274	0.000555	1.75E-07	1.65E-08	9.99E-06	3.15E-09	2.97E-10
472599.75, 3877830.11	0.00209	0.0004233	1.34E-07	1.26E-08	7.62E-06	2.41E-09	2.27E-10
493107.48, 3866840.19	0.00311	0.0006299	1.99E-07	1.87E-08	1.13E-05	3.58E-09	3.37E-10
495815.79, 3861662.87	5.7316	1.1609562	3.66E-04	3.45E-05	2.09E-02	6.60E-06	6.22E-07
480272.33, 3841389.2	0.00045	9.115E-05	2.88E-08	2.71E-09	1.64E-06	5.18E-10	4.88E-11
497005.18, 3862813.64	0.63176	0.1279653	4.04E-05	3.81E-06	2.30E-03	7.27E-07	6.86E-08
493677.33, 3860302.55	0.06899	0.0139742	4.41E-06	4.16E-07	2.52E-04	7.94E-08	7.49E-09
493727.33, 3860302.55	0.07002	0.0141828	4.48E-06	4.22E-07	2.55E-04	8.06E-08	7.60E-09
493777.33, 3860302.55	0.07046	0.0142719	4.50E-06	4.25E-07	2.57E-04	8.11E-08	7.65E-09
493827.33, 3860302.55	0.07061	0.0143023	4.51E-06	4.26E-07	2.57E-04	8.13E-08	7.66E-09
493877.33, 3860302.55	0.07161	0.0145049	4.58E-06	4.32E-07	2.61E-04	8.24E-08	7.77E-09
493927.33, 3860302.55	0.07309	0.0148046	4.67E-06	4.41E-07	2.67E-04	8.41E-08	7.93E-09
493977.33, 3860302.55	0.07031	0.0142415	4.49E-06	4.24E-07	2.56E-04	8.09E-08	7.63E-09
494027.33, 3860302.55	0.06955	0.0140876	4.45E-06	4.19E-07	2.54E-04	8.00E-08	7.55E-09
493677.33, 3860352.55	0.07808	0.0158154	4.99E-06	4.71E-07	2.85E-04	8.99E-08	8.47E-09
493727.33, 3860352.55	0.0802	0.0162448	5.13E-06	4.83E-07	2.92E-04	9.23E-08	8.70E-09
493777.33, 3860352.55	0.0822	0.0166499	5.25E-06	4.95E-07	3.00E-04	9.46E-08	8.92E-09
493827.33, 3860352.55	0.08324	0.0168606	5.32E-06	5.02E-07	3.04E-04	9.58E-08	9.03E-09
493877.33, 3860352.55	0.08317	0.0168464	5.32E-06	5.01E-07	3.03E-04	9.57E-08	9.03E-09
493927.33, 3860352.55	0.08172	0.0165527	5.22E-06	4.93E-07	2.98E-04	9.41E-08	8.87E-09
493977.33, 3860352.55	0.07949	0.016101	5.08E-06	4.79E-07	2.90E-04	9.15E-08	8.63E-09
494027.33, 3860352.55	0.08006	0.0162164	5.12E-06	4.83E-07	2.92E-04	9.21E-08	8.69E-09
493677.33, 3860402.55	0.09126	0.018485	5.83E-06	5.50E-07	3.33E-04	1.05E-07	9.90E-09
493727.33, 3860402.55	0.09353	0.0189448	5.98E-06	5.64E-07	3.41E-04	1.08E-07	1.01E-08
493777.33, 3860402.55	0.0917	0.0185742	5.86E-06	5.53E-07	3.34E-04	1.06E-07	9.95E-09
493827.33, 3860402.55	0.09518	0.0192791	6.08E-06	5.74E-07	3.47E-04	1.10E-07	1.03E-08
493877.33, 3860402.55	0.09686	0.0196193	6.19E-06	5.84E-07	3.53E-04	1.11E-07	1.05E-08
493927.33, 3860402.55	0.09119	0.0184709	5.83E-06	5.50E-07	3.33E-04	1.05E-07	9.90E-09
493977.33, 3860402.55	0.0907	0.0183716	5.80E-06	5.47E-07	3.31E-04	1.04E-07	9.84E-09
494027.33, 3860402.55	0.09231	0.0186977	5.90E-06	5.56E-07	3.37E-04	1.06E-07	1.00E-08
493677.33, 3860452.55	0.10419	0.0211041	6.66E-06	6.28E-07	3.80E-04	1.20E-07	1.13E-08
493727.33, 3860452.55	0.10974	0.0222282	7.02E-06	6.61E-07	4.00E-04	1.26E-07	1.19E-08
493777.33, 3860452.55	0.11168	0.0226212	7.14E-06	6.73E-07	4.07E-04	1.29E-07	1.21E-08
493827.33, 3860452.55	0.11041	0.0223639	7.06E-06	6.66E-07	4.03E-04	1.27E-07	1.20E-08
493877.33, 3860452.55	0.11005	0.022291	7.04E-06	6.63E-07	4.01E-04	1.27E-07	1.19E-08
493927.33, 3860452.55	0.10584	0.0214383	6.77E-06	6.38E-07	3.86E-04	1.22E-07	1.15E-08
493977.33, 3860452.55	0.10674	0.0216206	6.82E-06	6.43E-07	3.89E-04	1.23E-07	1.16E-08
494027.33, 3860452.55	0.10772	0.0218191	6.89E-06	6.49E-07	3.93E-04	1.24E-07	1.17E-08
493677.33, 3860502.55	0.12137	0.0245839	7.76E-06	7.32E-07	4.43E-04	1.40E-07	1.32E-08
493727.33, 3860502.55	0.12601	0.0255238	8.06E-06	7.60E-07	4.60E-04	1.45E-07	1.37E-08
493777.33, 3860502.55	0.12783	0.0258924	8.17E-06	7.71E-07	4.66E-04	1.47E-07	1.39E-08
493827.33, 3860502.55	0.12941	0.0262125	8.27E-06	7.80E-07	4.72E-04	1.49E-07	1.40E-08

493877.33, 3860502.55	0.12764	0.0258539	8.16E-06	7.69E-07	4.65E-04	1.47E-07	1.39E-08
493927.33, 3860502.55	0.12422	0.0251612	7.94E-06	7.49E-07	4.53E-04	1.43E-07	1.35E-08
493977.33, 3860502.55	0.12628	0.0255785	8.07E-06	7.61E-07	4.61E-04	1.45E-07	1.37E-08
494027.33, 3860502.55	0.12655	0.0256332	8.09E-06	7.63E-07	4.61E-04	1.46E-07	1.37E-08
493627.33, 3860552.55	0.1412	0.0286006	9.03E-06	8.51E-07	5.15E-04	1.63E-07	1.53E-08
493677.33, 3860552.55	0.1465	0.0296741	9.37E-06	8.83E-07	5.34E-04	1.69E-07	1.59E-08
493727.33, 3860552.55	0.15074	0.0305329	9.64E-06	9.09E-07	5.50E-04	1.73E-07	1.64E-08
493777.33, 3860552.55	0.15083	0.0305512	9.64E-06	9.09E-07	5.50E-04	1.74E-07	1.64E-08
493827.33, 3860552.55	0.14832	0.0300427	9.48E-06	8.94E-07	5.41E-04	1.71E-07	1.61E-08
493877.33, 3860552.55	0.15138	0.0306626	9.68E-06	9.12E-07	5.52E-04	1.74E-07	1.64E-08
493927.33, 3860552.55	0.14943	0.0302676	9.55E-06	9.01E-07	5.45E-04	1.72E-07	1.62E-08
493977.33, 3860552.55	0.14633	0.0296397	9.35E-06	8.82E-07	5.34E-04	1.68E-07	1.59E-08
494027.33, 3860552.55	0.14822	0.0300225	9.48E-06	8.93E-07	5.41E-04	1.71E-07	1.61E-08
493627.33, 3860602.55	0.1685	0.0341303	1.08E-05	1.02E-06	6.14E-04	1.94E-07	1.83E-08
493727.33, 3860602.55	0.18439	0.0373489	1.18E-05	1.11E-06	6.72E-04	2.12E-07	2.00E-08
493777.33, 3860602.55	0.17807	0.0360687	1.14E-05	1.07E-06	6.49E-04	2.05E-07	1.93E-08
493827.33, 3860602.55	0.17859	0.036174	1.14E-05	1.08E-06	6.51E-04	2.06E-07	1.94E-08
493877.33, 3860602.55	0.17423	0.0352909	1.11E-05	1.05E-06	6.35E-04	2.01E-07	1.89E-08
493927.33, 3860602.55	0.17322	0.0350863	1.11E-05	1.04E-06	6.32E-04	1.99E-07	1.88E-08
493977.33, 3860602.55	0.17125	0.0346873	1.09E-05	1.03E-06	6.24E-04	1.97E-07	1.86E-08
494027.33, 3860602.55	0.17482	0.0354104	1.12E-05	1.05E-06	6.38E-04	2.01E-07	1.90E-08
493627.33, 3860652.55	0.2056	0.041645	1.31E-05	1.24E-06	7.50E-04	2.37E-07	2.23E-08
493727.33, 3860652.55	0.22214	0.0449953	1.42E-05	1.34E-06	8.10E-04	2.56E-07	2.41E-08
493777.33, 3860652.55	0.21663	0.0438792	1.38E-05	1.31E-06	7.90E-04	2.49E-07	2.35E-08
493827.33, 3860652.55	0.21148	0.042836	1.35E-05	1.27E-06	7.71E-04	2.43E-07	2.29E-08
493877.33, 3860652.55	0.20472	0.0414668	1.31E-05	1.23E-06	7.47E-04	2.36E-07	2.22E-08
493927.33, 3860652.55	0.20364	0.041248	1.30E-05	1.23E-06	7.43E-04	2.34E-07	2.21E-08
493977.33, 3860652.55	0.20327	0.0411731	1.30E-05	1.23E-06	7.41E-04	2.34E-07	2.21E-08
494027.33, 3860652.55	0.1985	0.0402069	1.27E-05	1.20E-06	7.24E-04	2.28E-07	2.15E-08
494311.06, 3858401.99	0.00453	0.0009176	2.90E-07	2.73E-08	1.65E-05	5.21E-09	4.92E-10
494361.06, 3858401.99	0.00451	0.0009135	2.88E-07	2.72E-08	1.64E-05	5.19E-09	4.89E-10
494411.06, 3858401.99	0.00449	0.0009095	2.87E-07	2.71E-08	1.64E-05	5.17E-09	4.87E-10
494461.06, 3858401.99	0.00448	0.0009074	2.86E-07	2.70E-08	1.63E-05	5.16E-09	4.86E-10
494511.06, 3858401.99	0.00446	0.0009034	2.85E-07	2.69E-08	1.63E-05	5.13E-09	4.84E-10
494561.06, 3858401.99	0.00445	0.0009014	2.84E-07	2.68E-08	1.62E-05	5.12E-09	4.83E-10
494611.06, 3858401.99	0.00442	0.0008953	2.83E-07	2.66E-08	1.61E-05	5.09E-09	4.80E-10
494661.06, 3858401.99	0.0044	0.0008912	2.81E-07	2.65E-08	1.60E-05	5.06E-09	4.77E-10
494711.06, 3858401.99	0.00437	0.0008852	2.79E-07	2.63E-08	1.59E-05	5.03E-09	4.74E-10
494761.06, 3858401.99	0.00436	0.0008831	2.79E-07	2.63E-08	1.59E-05	5.02E-09	4.73E-10
494811.06, 3858401.99	0.00435	0.0008811	2.78E-07	2.62E-08	1.59E-05	5.01E-09	4.72E-10
494861.06, 3858401.99	0.00434	0.0008791	2.77E-07	2.62E-08	1.58E-05	5.00E-09	4.71E-10
494911.06, 3858401.99	0.00433	0.0008771	2.77E-07	2.61E-08	1.58E-05	4.98E-09	4.70E-10
494961.06, 3858401.99	0.00432	0.000875	2.76E-07	2.60E-08	1.58E-05	4.97E-09	4.69E-10
495011.06, 3858401.99	0.0043	0.000871	2.75E-07	2.59E-08	1.57E-05	4.95E-09	4.67E-10
495061.06, 3858401.99	0.00429	0.000869	2.74E-07	2.59E-08	1.56E-05	4.94E-09	4.66E-10
495111.06, 3858401.99	0.00426	0.0008629	2.72E-07	2.57E-08	1.55E-05	4.90E-09	4.62E-10
495161.06, 3858401.99	0.00426	0.0008629	2.72E-07	2.57E-08	1.55E-05	4.90E-09	4.62E-10
495211.06, 3858401.99	0.00423	0.0008568	2.70E-07	2.55E-08	1.54E-05	4.87E-09	4.59E-10
495261.06, 3858401.99	0.00422	0.0008548	2.70E-07	2.54E-08	1.54E-05	4.86E-09	4.58E-10
495311.06, 3858401.99	0.0042	0.0008507	2.69E-07	2.53E-08	1.53E-05	4.83E-09	4.56E-10
495361.06, 3858401.99	0.0042	0.0008507	2.69E-07	2.53E-08	1.53E-05	4.83E-09	4.56E-10
495411.06, 3858401.99	0.00421	0.0008528	2.69E-07	2.54E-08	1.54E-05	4.85E-09	4.57E-10
495461.06, 3858401.99	0.00422	0.0008548	2.70E-07	2.54E-08	1.54E-05	4.86E-09	4.58E-10
495511.06, 3858401.99	0.00422	0.0008548	2.70E-07	2.54E-08	1.54E-05	4.86E-09	4.58E-10
495561.06, 3858401.99	0.00419	0.0008487	2.68E-07	2.53E-08	1.53E-05	4.82E-09	4.55E-10
495611.06, 3858401.99	0.0042	0.0008507	2.69E-07	2.53E-08	1.53E-05	4.83E-09	4.56E-10
495661.06, 3858401.99	0.00425	0.0008609	2.72E-07	2.56E-08	1.55E-05	4.89E-09	4.61E-10
494311.06, 3858451.99	0.00471	0.000954	3.01E-07	2.84E-08	1.72E-05	5.42E-09	5.11E-10
494361.06, 3858451.99	0.0047	0.000952	3.00E-07	2.83E-08	1.71E-05	5.41E-09	5.10E-10
494411.06, 3858451.99	0.00469	0.00095	3.00E-07	2.83E-08	1.71E-05	5.40E-09	5.09E-10

494461.06, 3858451.99	0.00468	0.000948	2.99E-07	2.82E-08	1.71E-05	5.39E-09	5.08E-10
494511.06, 3858451.99	0.00467	0.0009459	2.99E-07	2.81E-08	1.70E-05	5.37E-09	5.07E-10
494561.06, 3858451.99	0.00464	0.0009398	2.97E-07	2.80E-08	1.69E-05	5.34E-09	5.04E-10
494611.06, 3858451.99	0.00462	0.0009358	2.95E-07	2.78E-08	1.68E-05	5.32E-09	5.01E-10
494661.06, 3858451.99	0.00459	0.0009297	2.93E-07	2.77E-08	1.67E-05	5.28E-09	4.98E-10
494711.06, 3858451.99	0.00457	0.0009257	2.92E-07	2.75E-08	1.67E-05	5.26E-09	4.96E-10
494761.06, 3858451.99	0.00455	0.0009216	2.91E-07	2.74E-08	1.66E-05	5.24E-09	4.94E-10
494811.06, 3858451.99	0.00454	0.0009196	2.90E-07	2.74E-08	1.66E-05	5.23E-09	4.93E-10
494861.06, 3858451.99	0.00453	0.0009176	2.90E-07	2.73E-08	1.65E-05	5.21E-09	4.92E-10
494911.06, 3858451.99	0.0045	0.0009115	2.88E-07	2.71E-08	1.64E-05	5.18E-09	4.88E-10
494961.06, 3858451.99	0.0045	0.0009115	2.88E-07	2.71E-08	1.64E-05	5.18E-09	4.88E-10
495011.06, 3858451.99	0.00449	0.0009095	2.87E-07	2.71E-08	1.64E-05	5.17E-09	4.87E-10
495061.06, 3858451.99	0.00449	0.0009095	2.87E-07	2.71E-08	1.64E-05	5.17E-09	4.87E-10
495111.06, 3858451.99	0.00445	0.0009014	2.84E-07	2.68E-08	1.62E-05	5.12E-09	4.83E-10
495161.06, 3858451.99	0.00443	0.0008973	2.83E-07	2.67E-08	1.62E-05	5.10E-09	4.81E-10
495211.06, 3858451.99	0.0044	0.0008912	2.81E-07	2.65E-08	1.60E-05	5.06E-09	4.77E-10
495261.06, 3858451.99	0.00438	0.0008872	2.80E-07	2.64E-08	1.60E-05	5.04E-09	4.75E-10
495311.06, 3858451.99	0.00438	0.0008872	2.80E-07	2.64E-08	1.60E-05	5.04E-09	4.75E-10
495361.06, 3858451.99	0.00438	0.0008872	2.80E-07	2.64E-08	1.60E-05	5.04E-09	4.75E-10
495411.06, 3858451.99	0.00439	0.0008892	2.81E-07	2.65E-08	1.60E-05	5.05E-09	4.76E-10
495461.06, 3858451.99	0.0044	0.0008912	2.81E-07	2.65E-08	1.60E-05	5.06E-09	4.77E-10
495511.06, 3858451.99	0.00439	0.0008892	2.81E-07	2.65E-08	1.60E-05	5.05E-09	4.76E-10
495561.06, 3858451.99	0.00441	0.0008933	2.82E-07	2.66E-08	1.61E-05	5.08E-09	4.79E-10
495611.06, 3858451.99	0.00441	0.0008933	2.82E-07	2.66E-08	1.61E-05	5.08E-09	4.79E-10
495661.06, 3858451.99	0.00443	0.0008973	2.83E-07	2.67E-08	1.62E-05	5.10E-09	4.81E-10
494311.06, 3858501.99	0.00487	0.0009864	3.11E-07	2.94E-08	1.78E-05	5.61E-09	5.28E-10
494361.06, 3858501.99	0.00487	0.0009864	3.11E-07	2.94E-08	1.78E-05	5.61E-09	5.28E-10
494411.06, 3858501.99	0.00486	0.0009844	3.11E-07	2.93E-08	1.77E-05	5.59E-09	5.27E-10
494461.06, 3858501.99	0.00486	0.0009844	3.11E-07	2.93E-08	1.77E-05	5.59E-09	5.27E-10
494511.06, 3858501.99	0.00484	0.0009804	3.09E-07	2.92E-08	1.76E-05	5.57E-09	5.25E-10
494561.06, 3858501.99	0.00484	0.0009804	3.09E-07	2.92E-08	1.76E-05	5.57E-09	5.25E-10
494611.06, 3858501.99	0.00482	0.0009763	3.08E-07	2.91E-08	1.76E-05	5.55E-09	5.23E-10
494661.06, 3858501.99	0.0048	0.0009723	3.07E-07	2.89E-08	1.75E-05	5.52E-09	5.21E-10
494711.06, 3858501.99	0.00478	0.0009682	3.06E-07	2.88E-08	1.74E-05	5.50E-09	5.19E-10
494761.06, 3858501.99	0.00476	0.0009642	3.04E-07	2.87E-08	1.74E-05	5.48E-09	5.17E-10
494811.06, 3858501.99	0.00473	0.0009581	3.02E-07	2.85E-08	1.72E-05	5.44E-09	5.13E-10
494861.06, 3858501.99	0.00473	0.0009581	3.02E-07	2.85E-08	1.72E-05	5.44E-09	5.13E-10
494911.06, 3858501.99	0.00471	0.000954	3.01E-07	2.84E-08	1.72E-05	5.42E-09	5.11E-10
494961.06, 3858501.99	0.0047	0.000952	3.00E-07	2.83E-08	1.71E-05	5.41E-09	5.10E-10
495011.06, 3858501.99	0.00468	0.000948	2.99E-07	2.82E-08	1.71E-05	5.39E-09	5.08E-10
495061.06, 3858501.99	0.00468	0.000948	2.99E-07	2.82E-08	1.71E-05	5.39E-09	5.08E-10
495111.06, 3858501.99	0.00464	0.0009398	2.97E-07	2.80E-08	1.69E-05	5.34E-09	5.04E-10
495161.06, 3858501.99	0.0046	0.0009317	2.94E-07	2.77E-08	1.68E-05	5.29E-09	4.99E-10
495211.06, 3858501.99	0.00458	0.0009277	2.93E-07	2.76E-08	1.67E-05	5.27E-09	4.97E-10
495261.06, 3858501.99	0.00456	0.0009236	2.92E-07	2.75E-08	1.66E-05	5.25E-09	4.95E-10
495311.06, 3858501.99	0.00456	0.0009236	2.92E-07	2.75E-08	1.66E-05	5.25E-09	4.95E-10
495361.06, 3858501.99	0.00457	0.0009257	2.92E-07	2.75E-08	1.67E-05	5.26E-09	4.96E-10
495411.06, 3858501.99	0.00458	0.0009277	2.93E-07	2.76E-08	1.67E-05	5.27E-09	4.97E-10
495461.06, 3858501.99	0.00459	0.0009297	2.93E-07	2.77E-08	1.67E-05	5.28E-09	4.98E-10
495511.06, 3858501.99	0.00459	0.0009297	2.93E-07	2.77E-08	1.67E-05	5.28E-09	4.98E-10
495561.06, 3858501.99	0.00461	0.0009338	2.95E-07	2.78E-08	1.68E-05	5.31E-09	5.00E-10
495611.06, 3858501.99	0.00457	0.0009257	2.92E-07	2.75E-08	1.67E-05	5.26E-09	4.96E-10
495661.06, 3858501.99	0.00463	0.0009378	2.96E-07	2.79E-08	1.69E-05	5.33E-09	5.02E-10
494311.06, 3858551.99	0.00495	0.0010026	3.16E-07	2.98E-08	1.81E-05	5.70E-09	5.37E-10
494361.06, 3858551.99	0.00497	0.0010067	3.18E-07	3.00E-08	1.81E-05	5.72E-09	5.39E-10
494411.06, 3858551.99	0.00506	0.0010249	3.23E-07	3.05E-08	1.85E-05	5.82E-09	5.49E-10
494461.06, 3858551.99	0.00507	0.0010269	3.24E-07	3.06E-08	1.85E-05	5.84E-09	5.50E-10
494511.06, 3858551.99	0.00506	0.0010249	3.23E-07	3.05E-08	1.85E-05	5.82E-09	5.49E-10
494561.06, 3858551.99	0.00505	0.0010229	3.23E-07	3.04E-08	1.84E-05	5.81E-09	5.48E-10
494611.06, 3858551.99	0.00503	0.0010188	3.22E-07	3.03E-08	1.83E-05	5.79E-09	5.46E-10

494661.06, 3858551.99	0.00502	0.0010168	3.21E-07	3.03E-08	1.83E-05	5.78E-09	5.45E-10
494711.06, 3858551.99	0.00499	0.0010107	3.19E-07	3.01E-08	1.82E-05	5.74E-09	5.42E-10
494761.06, 3858551.99	0.00497	0.0010067	3.18E-07	3.00E-08	1.81E-05	5.72E-09	5.39E-10
494811.06, 3858551.99	0.00497	0.0010067	3.18E-07	3.00E-08	1.81E-05	5.72E-09	5.39E-10
494861.06, 3858551.99	0.00496	0.0010047	3.17E-07	2.99E-08	1.81E-05	5.71E-09	5.38E-10
494911.06, 3858551.99	0.00494	0.0010006	3.16E-07	2.98E-08	1.80E-05	5.69E-09	5.36E-10
494961.06, 3858551.99	0.00492	0.0009966	3.15E-07	2.97E-08	1.79E-05	5.66E-09	5.34E-10
495011.06, 3858551.99	0.00489	0.0009905	3.13E-07	2.95E-08	1.78E-05	5.63E-09	5.31E-10
495061.06, 3858551.99	0.00487	0.0009864	3.11E-07	2.94E-08	1.78E-05	5.61E-09	5.28E-10
495111.06, 3858551.99	0.00483	0.0009783	3.09E-07	2.91E-08	1.76E-05	5.56E-09	5.24E-10
495161.06, 3858551.99	0.0048	0.0009723	3.07E-07	2.89E-08	1.75E-05	5.52E-09	5.21E-10
495211.06, 3858551.99	0.00478	0.0009682	3.06E-07	2.88E-08	1.74E-05	5.50E-09	5.19E-10
495261.06, 3858551.99	0.00477	0.0009662	3.05E-07	2.88E-08	1.74E-05	5.49E-09	5.18E-10
495311.06, 3858551.99	0.00477	0.0009662	3.05E-07	2.88E-08	1.74E-05	5.49E-09	5.18E-10
495361.06, 3858551.99	0.00477	0.0009662	3.05E-07	2.88E-08	1.74E-05	5.49E-09	5.18E-10
495411.06, 3858551.99	0.00479	0.0009702	3.06E-07	2.89E-08	1.75E-05	5.51E-09	5.20E-10
495461.06, 3858551.99	0.00479	0.0009702	3.06E-07	2.89E-08	1.75E-05	5.51E-09	5.20E-10
495511.06, 3858551.99	0.00481	0.0009743	3.07E-07	2.90E-08	1.75E-05	5.54E-09	5.22E-10
495561.06, 3858551.99	0.00481	0.0009743	3.07E-07	2.90E-08	1.75E-05	5.54E-09	5.22E-10
495611.06, 3858551.99	0.00482	0.0009763	3.08E-07	2.91E-08	1.76E-05	5.55E-09	5.23E-10
495661.06, 3858551.99	0.00483	0.0009783	3.09E-07	2.91E-08	1.76E-05	5.56E-09	5.24E-10
494311.06, 3858601.99	0.00505	0.0010229	3.23E-07	3.04E-08	1.84E-05	5.81E-09	5.48E-10
494361.06, 3858601.99	0.00513	0.0010391	3.28E-07	3.09E-08	1.87E-05	5.90E-09	5.57E-10
494411.06, 3858601.99	0.00529	0.0010715	3.38E-07	3.19E-08	1.93E-05	6.09E-09	5.74E-10
494461.06, 3858601.99	0.0053	0.0010735	3.39E-07	3.19E-08	1.93E-05	6.10E-09	5.75E-10
494511.06, 3858601.99	0.00525	0.0010634	3.36E-07	3.16E-08	1.91E-05	6.04E-09	5.70E-10
494561.06, 3858601.99	0.00529	0.0010715	3.38E-07	3.19E-08	1.93E-05	6.09E-09	5.74E-10
494611.06, 3858601.99	0.00526	0.0010654	3.36E-07	3.17E-08	1.92E-05	6.05E-09	5.71E-10
494661.06, 3858601.99	0.00525	0.0010634	3.36E-07	3.16E-08	1.91E-05	6.04E-09	5.70E-10
494711.06, 3858601.99	0.00523	0.0010594	3.34E-07	3.15E-08	1.91E-05	6.02E-09	5.68E-10
494761.06, 3858601.99	0.00521	0.0010553	3.33E-07	3.14E-08	1.90E-05	6.00E-09	5.65E-10
494811.06, 3858601.99	0.00518	0.0010492	3.31E-07	3.12E-08	1.89E-05	5.96E-09	5.62E-10
494861.06, 3858601.99	0.00518	0.0010492	3.31E-07	3.12E-08	1.89E-05	5.96E-09	5.62E-10
494911.06, 3858601.99	0.00516	0.0010452	3.30E-07	3.11E-08	1.88E-05	5.94E-09	5.60E-10
494961.06, 3858601.99	0.00515	0.0010432	3.29E-07	3.10E-08	1.88E-05	5.93E-09	5.59E-10
495011.06, 3858601.99	0.00513	0.0010391	3.28E-07	3.09E-08	1.87E-05	5.90E-09	5.57E-10
495061.06, 3858601.99	0.00508	0.001029	3.25E-07	3.06E-08	1.85E-05	5.85E-09	5.51E-10
495111.06, 3858601.99	0.00503	0.0010188	3.22E-07	3.03E-08	1.83E-05	5.79E-09	5.46E-10
495161.06, 3858601.99	0.005	0.0010128	3.20E-07	3.01E-08	1.82E-05	5.75E-09	5.43E-10
495211.06, 3858601.99	0.00499	0.0010107	3.19E-07	3.01E-08	1.82E-05	5.74E-09	5.42E-10
495261.06, 3858601.99	0.00498	0.0010087	3.18E-07	3.00E-08	1.82E-05	5.73E-09	5.40E-10
495311.06, 3858601.99	0.00498	0.0010087	3.18E-07	3.00E-08	1.82E-05	5.73E-09	5.40E-10
495361.06, 3858601.99	0.00499	0.0010107	3.19E-07	3.01E-08	1.82E-05	5.74E-09	5.42E-10
495411.06, 3858601.99	0.005	0.0010128	3.20E-07	3.01E-08	1.82E-05	5.75E-09	5.43E-10
495461.06, 3858601.99	0.00501	0.0010148	3.20E-07	3.02E-08	1.83E-05	5.77E-09	5.44E-10
495511.06, 3858601.99	0.00502	0.0010168	3.21E-07	3.03E-08	1.83E-05	5.78E-09	5.45E-10
495561.06, 3858601.99	0.00503	0.0010188	3.22E-07	3.03E-08	1.83E-05	5.79E-09	5.46E-10
495611.06, 3858601.99	0.00503	0.0010188	3.22E-07	3.03E-08	1.83E-05	5.79E-09	5.46E-10
495661.06, 3858601.99	0.00505	0.0010229	3.23E-07	3.04E-08	1.84E-05	5.81E-09	5.48E-10
494311.06, 3858651.99	0.0052	0.0010533	3.32E-07	3.13E-08	1.90E-05	5.98E-09	5.64E-10
494361.06, 3858651.99	0.00528	0.0010695	3.38E-07	3.18E-08	1.93E-05	6.08E-09	5.73E-10
494411.06, 3858651.99	0.00543	0.0010999	3.47E-07	3.27E-08	1.98E-05	6.25E-09	5.89E-10
494461.06, 3858651.99	0.00553	0.0011201	3.54E-07	3.33E-08	2.02E-05	6.36E-09	6.00E-10
494511.06, 3858651.99	0.00552	0.0011181	3.53E-07	3.33E-08	2.01E-05	6.35E-09	5.99E-10
494561.06, 3858651.99	0.00552	0.0011181	3.53E-07	3.33E-08	2.01E-05	6.35E-09	5.99E-10
494611.06, 3858651.99	0.00551	0.0011161	3.52E-07	3.32E-08	2.01E-05	6.34E-09	5.98E-10
494661.06, 3858651.99	0.00549	0.001112	3.51E-07	3.31E-08	2.00E-05	6.32E-09	5.96E-10
494711.06, 3858651.99	0.00547	0.001108	3.50E-07	3.30E-08	1.99E-05	6.30E-09	5.94E-10
494761.06, 3858651.99	0.00546	0.0011059	3.49E-07	3.29E-08	1.99E-05	6.28E-09	5.93E-10
494811.06, 3858651.99	0.00544	0.0011019	3.48E-07	3.28E-08	1.98E-05	6.26E-09	5.90E-10

494861.06, 3858651.99	0.00542	0.0010978	3.46E-07	3.27E-08	1.98E-05	6.24E-09	5.88E-10
494911.06, 3858651.99	0.0054	0.0010938	3.45E-07	3.25E-08	1.97E-05	6.22E-09	5.86E-10
494961.06, 3858651.99	0.00538	0.0010897	3.44E-07	3.24E-08	1.96E-05	6.19E-09	5.84E-10
495011.06, 3858651.99	0.00536	0.0010857	3.43E-07	3.23E-08	1.95E-05	6.17E-09	5.82E-10
495061.06, 3858651.99	0.00532	0.0010776	3.40E-07	3.21E-08	1.94E-05	6.12E-09	5.77E-10
495111.06, 3858651.99	0.00526	0.0010654	3.36E-07	3.17E-08	1.92E-05	6.05E-09	5.71E-10
495161.06, 3858651.99	0.00524	0.0010614	3.35E-07	3.16E-08	1.91E-05	6.03E-09	5.69E-10
495211.06, 3858651.99	0.00521	0.0010553	3.33E-07	3.14E-08	1.90E-05	6.00E-09	5.65E-10
495261.06, 3858651.99	0.00521	0.0010553	3.33E-07	3.14E-08	1.90E-05	6.00E-09	5.65E-10
495311.06, 3858651.99	0.00521	0.0010553	3.33E-07	3.14E-08	1.90E-05	6.00E-09	5.65E-10
495361.06, 3858651.99	0.00522	0.0010573	3.34E-07	3.15E-08	1.90E-05	6.01E-09	5.66E-10
495411.06, 3858651.99	0.00524	0.0010614	3.35E-07	3.16E-08	1.91E-05	6.03E-09	5.69E-10
495461.06, 3858651.99	0.00526	0.0010654	3.36E-07	3.17E-08	1.92E-05	6.05E-09	5.71E-10
495511.06, 3858651.99	0.00526	0.0010654	3.36E-07	3.17E-08	1.92E-05	6.05E-09	5.71E-10
495561.06, 3858651.99	0.00526	0.0010654	3.36E-07	3.17E-08	1.92E-05	6.05E-09	5.71E-10
495611.06, 3858651.99	0.00526	0.0010654	3.36E-07	3.17E-08	1.92E-05	6.05E-09	5.71E-10
495661.06, 3858651.99	0.00528	0.0010695	3.38E-07	3.18E-08	1.93E-05	6.08E-09	5.73E-10
494311.06, 3858701.99	0.00541	0.0010958	3.46E-07	3.26E-08	1.97E-05	6.23E-09	5.87E-10
494361.06, 3858701.99	0.00554	0.0011221	3.54E-07	3.34E-08	2.02E-05	6.38E-09	6.01E-10
494411.06, 3858701.99	0.00566	0.0011465	3.62E-07	3.41E-08	2.06E-05	6.51E-09	6.14E-10
494461.06, 3858701.99	0.00568	0.0011505	3.63E-07	3.42E-08	2.07E-05	6.54E-09	6.16E-10
494511.06, 3858701.99	0.00577	0.0011687	3.69E-07	3.48E-08	2.10E-05	6.64E-09	6.26E-10
494561.06, 3858701.99	0.00577	0.0011687	3.69E-07	3.48E-08	2.10E-05	6.64E-09	6.26E-10
494611.06, 3858701.99	0.00573	0.0011606	3.66E-07	3.45E-08	2.09E-05	6.59E-09	6.22E-10
494661.06, 3858701.99	0.00574	0.0011627	3.67E-07	3.46E-08	2.09E-05	6.61E-09	6.23E-10
494711.06, 3858701.99	0.00565	0.0011444	3.61E-07	3.41E-08	2.06E-05	6.50E-09	6.13E-10
494761.06, 3858701.99	0.0057	0.0011546	3.64E-07	3.44E-08	2.08E-05	6.56E-09	6.19E-10
494811.06, 3858701.99	0.00568	0.0011505	3.63E-07	3.42E-08	2.07E-05	6.54E-09	6.16E-10
494861.06, 3858701.99	0.00567	0.0011485	3.62E-07	3.42E-08	2.07E-05	6.53E-09	6.15E-10
494911.06, 3858701.99	0.00566	0.0011465	3.62E-07	3.41E-08	2.06E-05	6.51E-09	6.14E-10
494961.06, 3858701.99	0.00561	0.0011363	3.59E-07	3.38E-08	2.05E-05	6.46E-09	6.09E-10
495011.06, 3858701.99	0.00558	0.0011302	3.57E-07	3.36E-08	2.03E-05	6.42E-09	6.06E-10
495061.06, 3858701.99	0.00556	0.0011262	3.55E-07	3.35E-08	2.03E-05	6.40E-09	6.03E-10
495111.06, 3858701.99	0.00552	0.0011181	3.53E-07	3.33E-08	2.01E-05	6.35E-09	5.99E-10
495161.06, 3858701.99	0.00549	0.001112	3.51E-07	3.31E-08	2.00E-05	6.32E-09	5.96E-10
495211.06, 3858701.99	0.00547	0.001108	3.50E-07	3.30E-08	1.99E-05	6.30E-09	5.94E-10
495261.06, 3858701.99	0.00547	0.001108	3.50E-07	3.30E-08	1.99E-05	6.30E-09	5.94E-10
495311.06, 3858701.99	0.00548	0.00111	3.50E-07	3.30E-08	2.00E-05	6.31E-09	5.95E-10
495361.06, 3858701.99	0.00549	0.001112	3.51E-07	3.31E-08	2.00E-05	6.32E-09	5.96E-10
495411.06, 3858701.99	0.00551	0.0011161	3.52E-07	3.32E-08	2.01E-05	6.34E-09	5.98E-10
495461.06, 3858701.99	0.00552	0.0011181	3.53E-07	3.33E-08	2.01E-05	6.35E-09	5.99E-10
495511.06, 3858701.99	0.00551	0.0011161	3.52E-07	3.32E-08	2.01E-05	6.34E-09	5.98E-10
495561.06, 3858701.99	0.00551	0.0011161	3.52E-07	3.32E-08	2.01E-05	6.34E-09	5.98E-10
495611.06, 3858701.99	0.00552	0.0011181	3.53E-07	3.33E-08	2.01E-05	6.35E-09	5.99E-10
495661.06, 3858701.99	0.00553	0.0011201	3.54E-07	3.33E-08	2.02E-05	6.36E-09	6.00E-10
494311.06, 3858751.99	0.00562	0.0011384	3.59E-07	3.39E-08	2.05E-05	6.47E-09	6.10E-10
494361.06, 3858751.99	0.0058	0.0011748	3.71E-07	3.50E-08	2.12E-05	6.68E-09	6.29E-10
494411.06, 3858751.99	0.00591	0.0011971	3.78E-07	3.56E-08	2.16E-05	6.80E-09	6.41E-10
494461.06, 3858751.99	0.00594	0.0012032	3.80E-07	3.58E-08	2.17E-05	6.84E-09	6.45E-10
494511.06, 3858751.99	0.00605	0.0012254	3.87E-07	3.65E-08	2.21E-05	6.96E-09	6.57E-10
494561.06, 3858751.99	0.00599	0.0012133	3.83E-07	3.61E-08	2.18E-05	6.89E-09	6.50E-10
494611.06, 3858751.99	0.00598	0.0012113	3.82E-07	3.60E-08	2.18E-05	6.88E-09	6.49E-10
494661.06, 3858751.99	0.00593	0.0012011	3.79E-07	3.57E-08	2.16E-05	6.83E-09	6.44E-10
494711.06, 3858751.99	0.00589	0.001193	3.77E-07	3.55E-08	2.15E-05	6.78E-09	6.39E-10
494761.06, 3858751.99	0.00597	0.0012092	3.82E-07	3.60E-08	2.18E-05	6.87E-09	6.48E-10
494811.06, 3858751.99	0.00594	0.0012032	3.80E-07	3.58E-08	2.17E-05	6.84E-09	6.45E-10
494861.06, 3858751.99	0.00592	0.0011991	3.78E-07	3.57E-08	2.16E-05	6.81E-09	6.42E-10
494911.06, 3858751.99	0.00589	0.001193	3.77E-07	3.55E-08	2.15E-05	6.78E-09	6.39E-10
494961.06, 3858751.99	0.00587	0.001189	3.75E-07	3.54E-08	2.14E-05	6.76E-09	6.37E-10
495011.06, 3858751.99	0.00586	0.001187	3.75E-07	3.53E-08	2.14E-05	6.74E-09	6.36E-10

495061.06, 3858751.99	0.00582	0.0011789	3.72E-07	3.51E-08	2.12E-05	6.70E-09	6.32E-10
495111.06, 3858751.99	0.00578	0.0011708	3.70E-07	3.48E-08	2.11E-05	6.65E-09	6.27E-10
495161.06, 3858751.99	0.00575	0.0011647	3.68E-07	3.47E-08	2.10E-05	6.62E-09	6.24E-10
495211.06, 3858751.99	0.00573	0.0011606	3.66E-07	3.45E-08	2.09E-05	6.59E-09	6.22E-10
495261.06, 3858751.99	0.00573	0.0011606	3.66E-07	3.45E-08	2.09E-05	6.59E-09	6.22E-10
495311.06, 3858751.99	0.00575	0.0011647	3.68E-07	3.47E-08	2.10E-05	6.62E-09	6.24E-10
495361.06, 3858751.99	0.00576	0.0011667	3.68E-07	3.47E-08	2.10E-05	6.63E-09	6.25E-10
495411.06, 3858751.99	0.00578	0.0011708	3.70E-07	3.48E-08	2.11E-05	6.65E-09	6.27E-10
495461.06, 3858751.99	0.00579	0.0011728	3.70E-07	3.49E-08	2.11E-05	6.66E-09	6.28E-10
495511.06, 3858751.99	0.0058	0.0011748	3.71E-07	3.50E-08	2.12E-05	6.68E-09	6.29E-10
495561.06, 3858751.99	0.00581	0.0011768	3.71E-07	3.50E-08	2.12E-05	6.69E-09	6.30E-10
495611.06, 3858751.99	0.00582	0.0011789	3.72E-07	3.51E-08	2.12E-05	6.70E-09	6.32E-10
495661.06, 3858751.99	0.00583	0.0011809	3.73E-07	3.51E-08	2.13E-05	6.71E-09	6.33E-10
494311.06, 3858801.99	0.00586	0.001187	3.75E-07	3.53E-08	2.14E-05	6.74E-09	6.36E-10
494361.06, 3858801.99	0.00606	0.0012275	3.87E-07	3.65E-08	2.21E-05	6.97E-09	6.58E-10
494411.06, 3858801.99	0.00615	0.0012457	3.93E-07	3.71E-08	2.24E-05	7.08E-09	6.67E-10
494461.06, 3858801.99	0.00621	0.0012579	3.97E-07	3.74E-08	2.26E-05	7.15E-09	6.74E-10
494511.06, 3858801.99	0.00634	0.0012842	4.05E-07	3.82E-08	2.31E-05	7.30E-09	6.88E-10
494561.06, 3858801.99	0.00635	0.0012862	4.06E-07	3.83E-08	2.32E-05	7.31E-09	6.89E-10
494611.06, 3858801.99	0.00634	0.0012842	4.05E-07	3.82E-08	2.31E-05	7.30E-09	6.88E-10
494661.06, 3858801.99	0.00631	0.0012781	4.03E-07	3.80E-08	2.30E-05	7.26E-09	6.85E-10
494711.06, 3858801.99	0.00628	0.001272	4.01E-07	3.79E-08	2.29E-05	7.23E-09	6.81E-10
494761.06, 3858801.99	0.00624	0.0012639	3.99E-07	3.76E-08	2.28E-05	7.18E-09	6.77E-10
494811.06, 3858801.99	0.0062	0.0012558	3.96E-07	3.74E-08	2.26E-05	7.14E-09	6.73E-10
494861.06, 3858801.99	0.0062	0.0012558	3.96E-07	3.74E-08	2.26E-05	7.14E-09	6.73E-10
494911.06, 3858801.99	0.00617	0.0012498	3.94E-07	3.72E-08	2.25E-05	7.10E-09	6.70E-10
494961.06, 3858801.99	0.00615	0.0012457	3.93E-07	3.71E-08	2.24E-05	7.08E-09	6.67E-10
495011.06, 3858801.99	0.00612	0.0012396	3.91E-07	3.69E-08	2.23E-05	7.04E-09	6.64E-10
495061.06, 3858801.99	0.0061	0.0012356	3.90E-07	3.68E-08	2.22E-05	7.02E-09	6.62E-10
495111.06, 3858801.99	0.00605	0.0012254	3.87E-07	3.65E-08	2.21E-05	6.96E-09	6.57E-10
495161.06, 3858801.99	0.00602	0.0012194	3.85E-07	3.63E-08	2.20E-05	6.93E-09	6.53E-10
495211.06, 3858801.99	0.00601	0.0012173	3.84E-07	3.62E-08	2.19E-05	6.92E-09	6.52E-10
495261.06, 3858801.99	0.00602	0.0012194	3.85E-07	3.63E-08	2.20E-05	6.93E-09	6.53E-10
495311.06, 3858801.99	0.00604	0.0012234	3.86E-07	3.64E-08	2.20E-05	6.95E-09	6.55E-10
495361.06, 3858801.99	0.00605	0.0012254	3.87E-07	3.65E-08	2.21E-05	6.96E-09	6.57E-10
495411.06, 3858801.99	0.00608	0.0012315	3.89E-07	3.66E-08	2.22E-05	7.00E-09	6.60E-10
495461.06, 3858801.99	0.00609	0.0012336	3.89E-07	3.67E-08	2.22E-05	7.01E-09	6.61E-10
495511.06, 3858801.99	0.00609	0.0012336	3.89E-07	3.67E-08	2.22E-05	7.01E-09	6.61E-10
495561.06, 3858801.99	0.0061	0.0012356	3.90E-07	3.68E-08	2.22E-05	7.02E-09	6.62E-10
495611.06, 3858801.99	0.0061	0.0012356	3.90E-07	3.68E-08	2.22E-05	7.02E-09	6.62E-10
495661.06, 3858801.99	0.00613	0.0012417	3.92E-07	3.69E-08	2.24E-05	7.06E-09	6.65E-10
494311.06, 3858851.99	0.00625	0.001266	4.00E-07	3.77E-08	2.28E-05	7.19E-09	6.78E-10
494361.06, 3858851.99	0.0064	0.0012963	4.09E-07	3.86E-08	2.33E-05	7.37E-09	6.95E-10
494411.06, 3858851.99	0.00645	0.0013065	4.12E-07	3.89E-08	2.35E-05	7.42E-09	7.00E-10
494461.06, 3858851.99	0.00651	0.0013186	4.16E-07	3.92E-08	2.37E-05	7.49E-09	7.06E-10
494511.06, 3858851.99	0.00664	0.001345	4.24E-07	4.00E-08	2.42E-05	7.64E-09	7.21E-10
494561.06, 3858851.99	0.00665	0.001347	4.25E-07	4.01E-08	2.43E-05	7.65E-09	7.22E-10
494611.06, 3858851.99	0.00663	0.0013429	4.24E-07	4.00E-08	2.42E-05	7.63E-09	7.19E-10
494661.06, 3858851.99	0.00661	0.0013389	4.23E-07	3.98E-08	2.41E-05	7.61E-09	7.17E-10
494711.06, 3858851.99	0.00656	0.0013288	4.19E-07	3.95E-08	2.39E-05	7.55E-09	7.12E-10
494761.06, 3858851.99	0.00652	0.0013206	4.17E-07	3.93E-08	2.38E-05	7.50E-09	7.08E-10
494811.06, 3858851.99	0.0065	0.0013166	4.16E-07	3.92E-08	2.37E-05	7.48E-09	7.05E-10
494861.06, 3858851.99	0.0065	0.0013166	4.16E-07	3.92E-08	2.37E-05	7.48E-09	7.05E-10
494911.06, 3858851.99	0.00647	0.0013105	4.14E-07	3.90E-08	2.36E-05	7.45E-09	7.02E-10
494961.06, 3858851.99	0.00645	0.0013065	4.12E-07	3.89E-08	2.35E-05	7.42E-09	7.00E-10
495011.06, 3858851.99	0.00643	0.0013024	4.11E-07	3.88E-08	2.34E-05	7.40E-09	6.98E-10
495061.06, 3858851.99	0.0064	0.0012963	4.09E-07	3.86E-08	2.33E-05	7.37E-09	6.95E-10
495111.06, 3858851.99	0.00633	0.0012822	4.05E-07	3.82E-08	2.31E-05	7.29E-09	6.87E-10
495161.06, 3858851.99	0.0063	0.0012761	4.03E-07	3.80E-08	2.30E-05	7.25E-09	6.84E-10
495211.06, 3858851.99	0.00632	0.0012801	4.04E-07	3.81E-08	2.30E-05	7.27E-09	6.86E-10

495261.06, 3858851.99	0.00633	0.0012822	4.05E-07	3.82E-08	2.31E-05	7.29E-09	6.87E-10
495311.06, 3858851.99	0.00635	0.0012862	4.06E-07	3.83E-08	2.32E-05	7.31E-09	6.89E-10
495361.06, 3858851.99	0.00636	0.0012882	4.07E-07	3.83E-08	2.32E-05	7.32E-09	6.90E-10
495411.06, 3858851.99	0.00638	0.0012923	4.08E-07	3.85E-08	2.33E-05	7.34E-09	6.92E-10
495461.06, 3858851.99	0.0064	0.0012963	4.09E-07	3.86E-08	2.33E-05	7.37E-09	6.95E-10
495511.06, 3858851.99	0.00638	0.0012923	4.08E-07	3.85E-08	2.33E-05	7.34E-09	6.92E-10
495561.06, 3858851.99	0.0064	0.0012963	4.09E-07	3.86E-08	2.33E-05	7.37E-09	6.95E-10
495611.06, 3858851.99	0.0064	0.0012963	4.09E-07	3.86E-08	2.33E-05	7.37E-09	6.95E-10
495661.06, 3858851.99	0.00643	0.0013024	4.11E-07	3.88E-08	2.34E-05	7.40E-09	6.98E-10
494311.06, 3858901.99	0.00656	0.0013288	4.19E-07	3.95E-08	2.39E-05	7.55E-09	7.12E-10
494361.06, 3858901.99	0.00671	0.0013591	4.29E-07	4.04E-08	2.45E-05	7.72E-09	7.28E-10
494411.06, 3858901.99	0.00678	0.0013733	4.33E-07	4.09E-08	2.47E-05	7.80E-09	7.36E-10
494461.06, 3858901.99	0.00694	0.0014057	4.44E-07	4.18E-08	2.53E-05	7.99E-09	7.53E-10
494511.06, 3858901.99	0.00699	0.0014158	4.47E-07	4.21E-08	2.55E-05	8.05E-09	7.59E-10
494561.06, 3858901.99	0.00698	0.0014138	4.46E-07	4.21E-08	2.55E-05	8.03E-09	7.57E-10
494611.06, 3858901.99	0.00693	0.0014037	4.43E-07	4.18E-08	2.53E-05	7.98E-09	7.52E-10
494661.06, 3858901.99	0.00692	0.0014017	4.42E-07	4.17E-08	2.52E-05	7.96E-09	7.51E-10
494711.06, 3858901.99	0.00688	0.0013936	4.40E-07	4.15E-08	2.51E-05	7.92E-09	7.47E-10
494761.06, 3858901.99	0.00683	0.0013834	4.37E-07	4.12E-08	2.49E-05	7.86E-09	7.41E-10
494811.06, 3858901.99	0.00682	0.0013814	4.36E-07	4.11E-08	2.49E-05	7.85E-09	7.40E-10
494861.06, 3858901.99	0.00682	0.0013814	4.36E-07	4.11E-08	2.49E-05	7.85E-09	7.40E-10
494911.06, 3858901.99	0.00677	0.0013713	4.33E-07	4.08E-08	2.47E-05	7.79E-09	7.35E-10
494961.06, 3858901.99	0.00676	0.0013693	4.32E-07	4.07E-08	2.47E-05	7.78E-09	7.34E-10
495011.06, 3858901.99	0.00674	0.0013652	4.31E-07	4.06E-08	2.46E-05	7.76E-09	7.31E-10
495061.06, 3858901.99	0.00669	0.0013551	4.28E-07	4.03E-08	2.44E-05	7.70E-09	7.26E-10
495111.06, 3858901.99	0.00662	0.0013409	4.23E-07	3.99E-08	2.41E-05	7.62E-09	7.18E-10
495161.06, 3858901.99	0.00661	0.0013389	4.23E-07	3.98E-08	2.41E-05	7.61E-09	7.17E-10
495211.06, 3858901.99	0.00664	0.001345	4.24E-07	4.00E-08	2.42E-05	7.64E-09	7.21E-10
495261.06, 3858901.99	0.00666	0.001349	4.26E-07	4.01E-08	2.43E-05	7.67E-09	7.23E-10
495311.06, 3858901.99	0.00668	0.0013531	4.27E-07	4.03E-08	2.44E-05	7.69E-09	7.25E-10
495361.06, 3858901.99	0.00669	0.0013551	4.28E-07	4.03E-08	2.44E-05	7.70E-09	7.26E-10
495411.06, 3858901.99	0.00672	0.0013612	4.30E-07	4.05E-08	2.45E-05	7.73E-09	7.29E-10
495461.06, 3858901.99	0.00673	0.0013632	4.30E-07	4.06E-08	2.45E-05	7.75E-09	7.30E-10
495511.06, 3858901.99	0.00672	0.0013612	4.30E-07	4.05E-08	2.45E-05	7.73E-09	7.29E-10
495561.06, 3858901.99	0.00673	0.0013632	4.30E-07	4.06E-08	2.45E-05	7.75E-09	7.30E-10
495611.06, 3858901.99	0.00673	0.0013632	4.30E-07	4.06E-08	2.45E-05	7.75E-09	7.30E-10
495661.06, 3858901.99	0.00677	0.0013713	4.33E-07	4.08E-08	2.47E-05	7.79E-09	7.35E-10
494311.06, 3858951.99	0.00695	0.0014077	4.44E-07	4.19E-08	2.53E-05	8.00E-09	7.54E-10
494361.06, 3858951.99	0.00706	0.00143	4.51E-07	4.26E-08	2.57E-05	8.13E-09	7.66E-10
494411.06, 3858951.99	0.0071	0.0014381	4.54E-07	4.28E-08	2.59E-05	8.17E-09	7.70E-10
494461.06, 3858951.99	0.00729	0.0014766	4.66E-07	4.39E-08	2.66E-05	8.39E-09	7.91E-10
494511.06, 3858951.99	0.00733	0.0014847	4.69E-07	4.42E-08	2.67E-05	8.44E-09	7.95E-10
494561.06, 3858951.99	0.00732	0.0014827	4.68E-07	4.41E-08	2.67E-05	8.42E-09	7.94E-10
494611.06, 3858951.99	0.00729	0.0014766	4.66E-07	4.39E-08	2.66E-05	8.39E-09	7.91E-10
494661.06, 3858951.99	0.00725	0.0014685	4.63E-07	4.37E-08	2.64E-05	8.34E-09	7.87E-10
494711.06, 3858951.99	0.00719	0.0014564	4.60E-07	4.33E-08	2.62E-05	8.28E-09	7.80E-10
494761.06, 3858951.99	0.00717	0.0014523	4.58E-07	4.32E-08	2.61E-05	8.25E-09	7.78E-10
494811.06, 3858951.99	0.00717	0.0014523	4.58E-07	4.32E-08	2.61E-05	8.25E-09	7.78E-10
494861.06, 3858951.99	0.00716	0.0014503	4.58E-07	4.32E-08	2.61E-05	8.24E-09	7.77E-10
494911.06, 3858951.99	0.00714	0.0014462	4.56E-07	4.30E-08	2.60E-05	8.22E-09	7.75E-10
494961.06, 3858951.99	0.00714	0.0014462	4.56E-07	4.30E-08	2.60E-05	8.22E-09	7.75E-10
495011.06, 3858951.99	0.00706	0.00143	4.51E-07	4.26E-08	2.57E-05	8.13E-09	7.66E-10
495061.06, 3858951.99	0.00698	0.0014138	4.46E-07	4.21E-08	2.55E-05	8.03E-09	7.57E-10
495111.06, 3858951.99	0.00693	0.0014037	4.43E-07	4.18E-08	2.53E-05	7.98E-09	7.52E-10
495161.06, 3858951.99	0.00698	0.0014138	4.46E-07	4.21E-08	2.55E-05	8.03E-09	7.57E-10
495211.06, 3858951.99	0.007	0.0014179	4.48E-07	4.22E-08	2.55E-05	8.06E-09	7.60E-10
495261.06, 3858951.99	0.00702	0.0014219	4.49E-07	4.23E-08	2.56E-05	8.08E-09	7.62E-10
495311.06, 3858951.99	0.00702	0.0014219	4.49E-07	4.23E-08	2.56E-05	8.08E-09	7.62E-10
495361.06, 3858951.99	0.00704	0.001426	4.50E-07	4.24E-08	2.57E-05	8.10E-09	7.64E-10
495411.06, 3858951.99	0.00707	0.0014321	4.52E-07	4.26E-08	2.58E-05	8.14E-09	7.67E-10

495461.06, 3858951.99	0.00708	0.0014341	4.53E-07	4.27E-08	2.58E-05	8.15E-09	7.68E-10
495511.06, 3858951.99	0.00711	0.0014402	4.55E-07	4.29E-08	2.59E-05	8.18E-09	7.72E-10
495561.06, 3858951.99	0.00709	0.0014361	4.53E-07	4.27E-08	2.59E-05	8.16E-09	7.69E-10
495611.06, 3858951.99	0.00709	0.0014361	4.53E-07	4.27E-08	2.59E-05	8.16E-09	7.69E-10
495661.06, 3858951.99	0.00713	0.0014442	4.56E-07	4.30E-08	2.60E-05	8.21E-09	7.74E-10
494311.06, 3859001.99	0.00733	0.0014847	4.69E-07	4.42E-08	2.67E-05	8.44E-09	7.95E-10
494361.06, 3859001.99	0.00741	0.0015009	4.74E-07	4.47E-08	2.70E-05	8.53E-09	8.04E-10
494411.06, 3859001.99	0.00761	0.0015414	4.87E-07	4.59E-08	2.78E-05	8.76E-09	8.26E-10
494461.06, 3859001.99	0.00767	0.0015536	4.90E-07	4.62E-08	2.80E-05	8.83E-09	8.32E-10
494511.06, 3859001.99	0.00771	0.0015617	4.93E-07	4.65E-08	2.81E-05	8.87E-09	8.37E-10
494561.06, 3859001.99	0.00768	0.0015556	4.91E-07	4.63E-08	2.80E-05	8.84E-09	8.33E-10
494611.06, 3859001.99	0.00765	0.0015495	4.89E-07	4.61E-08	2.79E-05	8.80E-09	8.30E-10
494661.06, 3859001.99	0.0076	0.0015394	4.86E-07	4.58E-08	2.77E-05	8.75E-09	8.25E-10
494711.06, 3859001.99	0.00754	0.0015273	4.82E-07	4.54E-08	2.75E-05	8.68E-09	8.18E-10
494761.06, 3859001.99	0.00753	0.0015252	4.81E-07	4.54E-08	2.75E-05	8.67E-09	8.17E-10
494811.06, 3859001.99	0.00755	0.0015293	4.83E-07	4.55E-08	2.75E-05	8.69E-09	8.19E-10
494861.06, 3859001.99	0.00753	0.0015252	4.81E-07	4.54E-08	2.75E-05	8.67E-09	8.17E-10
494911.06, 3859001.99	0.00751	0.0015212	4.80E-07	4.53E-08	2.74E-05	8.64E-09	8.15E-10
494961.06, 3859001.99	0.00749	0.0015171	4.79E-07	4.51E-08	2.73E-05	8.62E-09	8.13E-10
495011.06, 3859001.99	0.00734	0.0014867	4.69E-07	4.42E-08	2.68E-05	8.45E-09	7.97E-10
495061.06, 3859001.99	0.00733	0.0014847	4.69E-07	4.42E-08	2.67E-05	8.44E-09	7.95E-10
495111.06, 3859001.99	0.00728	0.0014746	4.65E-07	4.39E-08	2.65E-05	8.38E-09	7.90E-10
495161.06, 3859001.99	0.00736	0.0014908	4.71E-07	4.44E-08	2.68E-05	8.47E-09	7.99E-10
495211.06, 3859001.99	0.00737	0.0014928	4.71E-07	4.44E-08	2.69E-05	8.48E-09	8.00E-10
495261.06, 3859001.99	0.0074	0.0014989	4.73E-07	4.46E-08	2.70E-05	8.52E-09	8.03E-10
495311.06, 3859001.99	0.00741	0.0015009	4.74E-07	4.47E-08	2.70E-05	8.53E-09	8.04E-10
495361.06, 3859001.99	0.00744	0.001507	4.76E-07	4.48E-08	2.71E-05	8.56E-09	8.07E-10
495411.06, 3859001.99	0.00745	0.001509	4.76E-07	4.49E-08	2.72E-05	8.57E-09	8.08E-10
495461.06, 3859001.99	0.00747	0.0015131	4.78E-07	4.50E-08	2.72E-05	8.60E-09	8.11E-10
495511.06, 3859001.99	0.00746	0.001511	4.77E-07	4.50E-08	2.72E-05	8.59E-09	8.10E-10
495561.06, 3859001.99	0.00747	0.0015131	4.78E-07	4.50E-08	2.72E-05	8.60E-09	8.11E-10
495611.06, 3859001.99	0.00748	0.0015151	4.78E-07	4.51E-08	2.73E-05	8.61E-09	8.12E-10
495661.06, 3859001.99	0.00754	0.0015273	4.82E-07	4.54E-08	2.75E-05	8.68E-09	8.18E-10
494311.06, 3859051.99	0.00773	0.0015657	4.94E-07	4.66E-08	2.82E-05	8.90E-09	8.39E-10
494361.06, 3859051.99	0.00796	0.0016123	5.09E-07	4.80E-08	2.90E-05	9.16E-09	8.64E-10
494411.06, 3859051.99	0.00802	0.0016245	5.13E-07	4.83E-08	2.92E-05	9.23E-09	8.70E-10
494461.06, 3859051.99	0.00806	0.0016326	5.15E-07	4.86E-08	2.94E-05	9.28E-09	8.75E-10
494511.06, 3859051.99	0.00806	0.0016326	5.15E-07	4.86E-08	2.94E-05	9.28E-09	8.75E-10
494561.06, 3859051.99	0.00806	0.0016326	5.15E-07	4.86E-08	2.94E-05	9.28E-09	8.75E-10
494611.06, 3859051.99	0.00803	0.0016265	5.13E-07	4.84E-08	2.93E-05	9.24E-09	8.71E-10
494661.06, 3859051.99	0.00799	0.0016184	5.11E-07	4.82E-08	2.91E-05	9.20E-09	8.67E-10
494711.06, 3859051.99	0.00796	0.0016123	5.09E-07	4.80E-08	2.90E-05	9.16E-09	8.64E-10
494761.06, 3859051.99	0.00793	0.0016063	5.07E-07	4.78E-08	2.89E-05	9.13E-09	8.61E-10
494811.06, 3859051.99	0.00793	0.0016063	5.07E-07	4.78E-08	2.89E-05	9.13E-09	8.61E-10
494861.06, 3859051.99	0.00793	0.0016063	5.07E-07	4.78E-08	2.89E-05	9.13E-09	8.61E-10
494911.06, 3859051.99	0.0079	0.0016002	5.05E-07	4.76E-08	2.88E-05	9.09E-09	8.57E-10
494961.06, 3859051.99	0.00781	0.0015819	4.99E-07	4.71E-08	2.85E-05	8.99E-09	8.48E-10
495011.06, 3859051.99	0.00776	0.0015718	4.96E-07	4.68E-08	2.83E-05	8.93E-09	8.42E-10
495061.06, 3859051.99	0.00772	0.0015637	4.94E-07	4.65E-08	2.82E-05	8.89E-09	8.38E-10
495111.06, 3859051.99	0.00772	0.0015637	4.94E-07	4.65E-08	2.82E-05	8.89E-09	8.38E-10
495161.06, 3859051.99	0.00778	0.0015759	4.97E-07	4.69E-08	2.84E-05	8.95E-09	8.44E-10
495211.06, 3859051.99	0.00777	0.0015738	4.97E-07	4.68E-08	2.83E-05	8.94E-09	8.43E-10
495261.06, 3859051.99	0.00782	0.001584	5.00E-07	4.71E-08	2.85E-05	9.00E-09	8.49E-10
495311.06, 3859051.99	0.00783	0.001586	5.01E-07	4.72E-08	2.86E-05	9.01E-09	8.50E-10
495361.06, 3859051.99	0.00785	0.00159	5.02E-07	4.73E-08	2.86E-05	9.03E-09	8.52E-10
495411.06, 3859051.99	0.00788	0.0015961	5.04E-07	4.75E-08	2.87E-05	9.07E-09	8.55E-10
495461.06, 3859051.99	0.0079	0.0016002	5.05E-07	4.76E-08	2.88E-05	9.09E-09	8.57E-10
495511.06, 3859051.99	0.00789	0.0015981	5.04E-07	4.76E-08	2.88E-05	9.08E-09	8.56E-10
495561.06, 3859051.99	0.00789	0.0015981	5.04E-07	4.76E-08	2.88E-05	9.08E-09	8.56E-10
495611.06, 3859051.99	0.00789	0.0015981	5.04E-07	4.76E-08	2.88E-05	9.08E-09	8.56E-10

495661.06, 3859051.99	0.00795	0.0016103	5.08E-07	4.79E-08	2.90E-05	9.15E-09	8.63E-10
494311.06, 3859101.99	0.00832	0.0016852	5.32E-07	5.01E-08	3.03E-05	9.58E-09	9.03E-10
494361.06, 3859101.99	0.00839	0.0016994	5.36E-07	5.06E-08	3.06E-05	9.66E-09	9.10E-10
494411.06, 3859101.99	0.00847	0.0017156	5.41E-07	5.11E-08	3.09E-05	9.75E-09	9.19E-10
494461.06, 3859101.99	0.0085	0.0017217	5.43E-07	5.12E-08	3.10E-05	9.78E-09	9.22E-10
494511.06, 3859101.99	0.00849	0.0017197	5.43E-07	5.12E-08	3.10E-05	9.77E-09	9.21E-10
494561.06, 3859101.99	0.00848	0.0017177	5.42E-07	5.11E-08	3.09E-05	9.76E-09	9.20E-10
494611.06, 3859101.99	0.00842	0.0017055	5.38E-07	5.08E-08	3.07E-05	9.69E-09	9.14E-10
494661.06, 3859101.99	0.00841	0.0017035	5.38E-07	5.07E-08	3.07E-05	9.68E-09	9.13E-10
494711.06, 3859101.99	0.00835	0.0016913	5.34E-07	5.03E-08	3.04E-05	9.61E-09	9.06E-10
494761.06, 3859101.99	0.00838	0.0016974	5.36E-07	5.05E-08	3.06E-05	9.64E-09	9.09E-10
494811.06, 3859101.99	0.00837	0.0016954	5.35E-07	5.05E-08	3.05E-05	9.63E-09	9.08E-10
494861.06, 3859101.99	0.00836	0.0016933	5.34E-07	5.04E-08	3.05E-05	9.62E-09	9.07E-10
494911.06, 3859101.99	0.00832	0.0016852	5.32E-07	5.01E-08	3.03E-05	9.58E-09	9.03E-10
494961.06, 3859101.99	0.00823	0.001667	5.26E-07	4.96E-08	3.00E-05	9.47E-09	8.93E-10
495011.06, 3859101.99	0.00812	0.0016447	5.19E-07	4.89E-08	2.96E-05	9.35E-09	8.81E-10
495061.06, 3859101.99	0.00815	0.0016508	5.21E-07	4.91E-08	2.97E-05	9.38E-09	8.84E-10
495111.06, 3859101.99	0.00815	0.0016508	5.21E-07	4.91E-08	2.97E-05	9.38E-09	8.84E-10
495161.06, 3859101.99	0.00821	0.001663	5.25E-07	4.95E-08	2.99E-05	9.45E-09	8.91E-10
495211.06, 3859101.99	0.00822	0.001665	5.25E-07	4.95E-08	3.00E-05	9.46E-09	8.92E-10
495261.06, 3859101.99	0.00826	0.0016731	5.28E-07	4.98E-08	3.01E-05	9.51E-09	8.96E-10
495311.06, 3859101.99	0.00823	0.001667	5.26E-07	4.96E-08	3.00E-05	9.47E-09	8.93E-10
495361.06, 3859101.99	0.00832	0.0016852	5.32E-07	5.01E-08	3.03E-05	9.58E-09	9.03E-10
495411.06, 3859101.99	0.00834	0.0016893	5.33E-07	5.03E-08	3.04E-05	9.60E-09	9.05E-10
495461.06, 3859101.99	0.00825	0.0016711	5.27E-07	4.97E-08	3.01E-05	9.50E-09	8.95E-10
495511.06, 3859101.99	0.00827	0.0016751	5.29E-07	4.98E-08	3.02E-05	9.52E-09	8.97E-10
495561.06, 3859101.99	0.00836	0.0016933	5.34E-07	5.04E-08	3.05E-05	9.62E-09	9.07E-10
495611.06, 3859101.99	0.00836	0.0016933	5.34E-07	5.04E-08	3.05E-05	9.62E-09	9.07E-10
495661.06, 3859101.99	0.0084	0.0017015	5.37E-07	5.06E-08	3.06E-05	9.67E-09	9.12E-10
494311.06, 3859151.99	0.0088	0.0017825	5.63E-07	5.30E-08	3.21E-05	1.01E-08	9.55E-10
494361.06, 3859151.99	0.00889	0.0018007	5.68E-07	5.36E-08	3.24E-05	1.02E-08	9.65E-10
494411.06, 3859151.99	0.00893	0.0018088	5.71E-07	5.38E-08	3.26E-05	1.03E-08	9.69E-10
494461.06, 3859151.99	0.00895	0.0018129	5.72E-07	5.39E-08	3.26E-05	1.03E-08	9.71E-10
494511.06, 3859151.99	0.00893	0.0018088	5.71E-07	5.38E-08	3.26E-05	1.03E-08	9.69E-10
494561.06, 3859151.99	0.00893	0.0018088	5.71E-07	5.38E-08	3.26E-05	1.03E-08	9.69E-10
494611.06, 3859151.99	0.00889	0.0018007	5.68E-07	5.36E-08	3.24E-05	1.02E-08	9.65E-10
494661.06, 3859151.99	0.00888	0.0017987	5.68E-07	5.35E-08	3.24E-05	1.02E-08	9.64E-10
494711.06, 3859151.99	0.00889	0.0018007	5.68E-07	5.36E-08	3.24E-05	1.02E-08	9.65E-10
494761.06, 3859151.99	0.00884	0.0017906	5.65E-07	5.33E-08	3.22E-05	1.02E-08	9.59E-10
494811.06, 3859151.99	0.00882	0.0017865	5.64E-07	5.32E-08	3.22E-05	1.02E-08	9.57E-10
494861.06, 3859151.99	0.00883	0.0017885	5.64E-07	5.32E-08	3.22E-05	1.02E-08	9.58E-10
494911.06, 3859151.99	0.00877	0.0017764	5.61E-07	5.29E-08	3.20E-05	1.01E-08	9.52E-10
494961.06, 3859151.99	0.00861	0.001744	5.50E-07	5.19E-08	3.14E-05	9.91E-09	9.34E-10
495011.06, 3859151.99	0.00857	0.0017359	5.48E-07	5.17E-08	3.13E-05	9.86E-09	9.30E-10
495061.06, 3859151.99	0.0086	0.001742	5.50E-07	5.18E-08	3.14E-05	9.90E-09	9.33E-10
495111.06, 3859151.99	0.00862	0.001746	5.51E-07	5.20E-08	3.14E-05	9.92E-09	9.35E-10
495161.06, 3859151.99	0.00869	0.0017602	5.56E-07	5.24E-08	3.17E-05	1.00E-08	9.43E-10
495211.06, 3859151.99	0.00871	0.0017642	5.57E-07	5.25E-08	3.18E-05	1.00E-08	9.45E-10
495261.06, 3859151.99	0.00874	0.0017703	5.59E-07	5.27E-08	3.19E-05	1.01E-08	9.48E-10
495311.06, 3859151.99	0.00877	0.0017764	5.61E-07	5.29E-08	3.20E-05	1.01E-08	9.52E-10
495361.06, 3859151.99	0.00879	0.0017804	5.62E-07	5.30E-08	3.21E-05	1.01E-08	9.54E-10
495411.06, 3859151.99	0.00885	0.0017926	5.66E-07	5.33E-08	3.23E-05	1.02E-08	9.60E-10
495461.06, 3859151.99	0.00887	0.0017967	5.67E-07	5.35E-08	3.23E-05	1.02E-08	9.63E-10
495511.06, 3859151.99	0.00885	0.0017926	5.66E-07	5.33E-08	3.23E-05	1.02E-08	9.60E-10
495561.06, 3859151.99	0.00886	0.0017946	5.66E-07	5.34E-08	3.23E-05	1.02E-08	9.61E-10
495611.06, 3859151.99	0.00888	0.0017987	5.68E-07	5.35E-08	3.24E-05	1.02E-08	9.64E-10
495661.06, 3859151.99	0.0089	0.0018027	5.69E-07	5.36E-08	3.25E-05	1.02E-08	9.66E-10
494311.06, 3859201.99	0.00933	0.0018898	5.96E-07	5.62E-08	3.40E-05	1.07E-08	1.01E-09
494361.06, 3859201.99	0.00939	0.001902	6.00E-07	5.66E-08	3.42E-05	1.08E-08	1.02E-09
494411.06, 3859201.99	0.00944	0.0019121	6.03E-07	5.69E-08	3.44E-05	1.09E-08	1.02E-09

494461.06, 3859201.99	0.00944	0.0019121	6.03E-07	5.69E-08	3.44E-05	1.09E-08	1.02E-09
494511.06, 3859201.99	0.00946	0.0019162	6.05E-07	5.70E-08	3.45E-05	1.09E-08	1.03E-09
494561.06, 3859201.99	0.00941	0.001906	6.02E-07	5.67E-08	3.43E-05	1.08E-08	1.02E-09
494611.06, 3859201.99	0.00939	0.001902	6.00E-07	5.66E-08	3.42E-05	1.08E-08	1.02E-09
494661.06, 3859201.99	0.00939	0.001902	6.00E-07	5.66E-08	3.42E-05	1.08E-08	1.02E-09
494711.06, 3859201.99	0.00939	0.001902	6.00E-07	5.66E-08	3.42E-05	1.08E-08	1.02E-09
494761.06, 3859201.99	0.00935	0.0018939	5.98E-07	5.64E-08	3.41E-05	1.08E-08	1.01E-09
494811.06, 3859201.99	0.00933	0.0018898	5.96E-07	5.62E-08	3.40E-05	1.07E-08	1.01E-09
494861.06, 3859201.99	0.00922	0.0018675	5.89E-07	5.56E-08	3.36E-05	1.06E-08	1.00E-09
494911.06, 3859201.99	0.00922	0.0018675	5.89E-07	5.56E-08	3.36E-05	1.06E-08	1.00E-09
494961.06, 3859201.99	0.00913	0.0018493	5.84E-07	5.50E-08	3.33E-05	1.05E-08	9.91E-10
495011.06, 3859201.99	0.00899	0.001821	5.75E-07	5.42E-08	3.28E-05	1.03E-08	9.76E-10
495061.06, 3859201.99	0.00911	0.0018453	5.82E-07	5.49E-08	3.32E-05	1.05E-08	9.89E-10
495111.06, 3859201.99	0.00916	0.0018554	5.86E-07	5.52E-08	3.34E-05	1.05E-08	9.94E-10
495161.06, 3859201.99	0.0092	0.0018635	5.88E-07	5.55E-08	3.35E-05	1.06E-08	9.98E-10
495211.06, 3859201.99	0.00921	0.0018655	5.89E-07	5.55E-08	3.36E-05	1.06E-08	9.99E-10
495261.06, 3859201.99	0.00926	0.0018756	5.92E-07	5.58E-08	3.38E-05	1.07E-08	1.00E-09
495311.06, 3859201.99	0.00929	0.0018817	5.94E-07	5.60E-08	3.39E-05	1.07E-08	1.01E-09
495361.06, 3859201.99	0.00932	0.0018878	5.96E-07	5.62E-08	3.40E-05	1.07E-08	1.01E-09
495411.06, 3859201.99	0.00938	0.0019	6.00E-07	5.65E-08	3.42E-05	1.08E-08	1.02E-09
495461.06, 3859201.99	0.0094	0.001904	6.01E-07	5.67E-08	3.43E-05	1.08E-08	1.02E-09
495511.06, 3859201.99	0.00942	0.0019081	6.02E-07	5.68E-08	3.44E-05	1.08E-08	1.02E-09
495561.06, 3859201.99	0.0094	0.001904	6.01E-07	5.67E-08	3.43E-05	1.08E-08	1.02E-09
495611.06, 3859201.99	0.00941	0.001906	6.02E-07	5.67E-08	3.43E-05	1.08E-08	1.02E-09
495661.06, 3859201.99	0.00944	0.0019121	6.03E-07	5.69E-08	3.44E-05	1.09E-08	1.02E-09
494311.06, 3859251.99	0.00991	0.0020073	6.34E-07	5.97E-08	3.61E-05	1.14E-08	1.08E-09
494361.06, 3859251.99	0.00994	0.0020134	6.35E-07	5.99E-08	3.62E-05	1.14E-08	1.08E-09
494411.06, 3859251.99	0.00994	0.0020134	6.35E-07	5.99E-08	3.62E-05	1.14E-08	1.08E-09
494461.06, 3859251.99	0.00998	0.0020215	6.38E-07	6.02E-08	3.64E-05	1.15E-08	1.08E-09
494511.06, 3859251.99	0.00994	0.0020134	6.35E-07	5.99E-08	3.62E-05	1.14E-08	1.08E-09
494561.06, 3859251.99	0.00994	0.0020134	6.35E-07	5.99E-08	3.62E-05	1.14E-08	1.08E-09
494611.06, 3859251.99	0.00991	0.0020073	6.34E-07	5.97E-08	3.61E-05	1.14E-08	1.08E-09
494661.06, 3859251.99	0.00994	0.0020134	6.35E-07	5.99E-08	3.62E-05	1.14E-08	1.08E-09
494711.06, 3859251.99	0.00994	0.0020134	6.35E-07	5.99E-08	3.62E-05	1.14E-08	1.08E-09
494761.06, 3859251.99	0.00974	0.0019729	6.23E-07	5.87E-08	3.55E-05	1.12E-08	1.06E-09
494811.06, 3859251.99	0.00988	0.0020012	6.32E-07	5.96E-08	3.60E-05	1.14E-08	1.07E-09
494861.06, 3859251.99	0.00968	0.0019607	6.19E-07	5.83E-08	3.53E-05	1.11E-08	1.05E-09
494911.06, 3859251.99	0.0097	0.0019648	6.20E-07	5.85E-08	3.54E-05	1.12E-08	1.05E-09
494961.06, 3859251.99	0.00968	0.0019607	6.19E-07	5.83E-08	3.53E-05	1.11E-08	1.05E-09
495011.06, 3859251.99	0.00965	0.0019546	6.17E-07	5.82E-08	3.52E-05	1.11E-08	1.05E-09
495061.06, 3859251.99	0.00971	0.0019668	6.21E-07	5.85E-08	3.54E-05	1.12E-08	1.05E-09
495111.06, 3859251.99	0.00973	0.0019708	6.22E-07	5.86E-08	3.55E-05	1.12E-08	1.06E-09
495161.06, 3859251.99	0.00977	0.0019789	6.25E-07	5.89E-08	3.56E-05	1.12E-08	1.06E-09
495211.06, 3859251.99	0.00979	0.001983	6.26E-07	5.90E-08	3.57E-05	1.13E-08	1.06E-09
495261.06, 3859251.99	0.00975	0.0019749	6.23E-07	5.88E-08	3.56E-05	1.12E-08	1.06E-09
495311.06, 3859251.99	0.00988	0.0020012	6.32E-07	5.96E-08	3.60E-05	1.14E-08	1.07E-09
495361.06, 3859251.99	0.00991	0.0020073	6.34E-07	5.97E-08	3.61E-05	1.14E-08	1.08E-09
495411.06, 3859251.99	0.00997	0.0020195	6.37E-07	6.01E-08	3.64E-05	1.15E-08	1.08E-09
495461.06, 3859251.99	0.01	0.0020255	6.39E-07	6.03E-08	3.65E-05	1.15E-08	1.09E-09
495511.06, 3859251.99	0.00998	0.0020215	6.38E-07	6.02E-08	3.64E-05	1.15E-08	1.08E-09
495561.06, 3859251.99	0.00999	0.0020235	6.39E-07	6.02E-08	3.64E-05	1.15E-08	1.08E-09
495611.06, 3859251.99	0.00999	0.0020235	6.39E-07	6.02E-08	3.64E-05	1.15E-08	1.08E-09
495661.06, 3859251.99	0.01001	0.0020276	6.40E-07	6.03E-08	3.65E-05	1.15E-08	1.09E-09
494311.06, 3859301.99	0.01054	0.0021349	6.74E-07	6.35E-08	3.84E-05	1.21E-08	1.14E-09
494361.06, 3859301.99	0.01056	0.002139	6.75E-07	6.37E-08	3.85E-05	1.22E-08	1.15E-09
494411.06, 3859301.99	0.01055	0.0021369	6.74E-07	6.36E-08	3.85E-05	1.21E-08	1.14E-09
494461.06, 3859301.99	0.01053	0.0021329	6.73E-07	6.35E-08	3.84E-05	1.21E-08	1.14E-09
494511.06, 3859301.99	0.01052	0.0021309	6.73E-07	6.34E-08	3.84E-05	1.21E-08	1.14E-09
494561.06, 3859301.99	0.01053	0.0021329	6.73E-07	6.35E-08	3.84E-05	1.21E-08	1.14E-09
494611.06, 3859301.99	0.01052	0.0021309	6.73E-07	6.34E-08	3.84E-05	1.21E-08	1.14E-09

494661.06, 3859301.99	0.01052	0.0021309	6.73E-07	6.34E-08	3.84E-05	1.21E-08	1.14E-09
494711.06, 3859301.99	0.0105	0.0021268	6.71E-07	6.33E-08	3.83E-05	1.21E-08	1.14E-09
494761.06, 3859301.99	0.01049	0.0021248	6.71E-07	6.32E-08	3.83E-05	1.21E-08	1.14E-09
494811.06, 3859301.99	0.01044	0.0021147	6.67E-07	6.29E-08	3.81E-05	1.20E-08	1.13E-09
494861.06, 3859301.99	0.01032	0.0020904	6.60E-07	6.22E-08	3.76E-05	1.19E-08	1.12E-09
494911.06, 3859301.99	0.0103	0.0020863	6.58E-07	6.21E-08	3.76E-05	1.19E-08	1.12E-09
494961.06, 3859301.99	0.01014	0.0020539	6.48E-07	6.11E-08	3.70E-05	1.17E-08	1.10E-09
495011.06, 3859301.99	0.01014	0.0020539	6.48E-07	6.11E-08	3.70E-05	1.17E-08	1.10E-09
495061.06, 3859301.99	0.01022	0.0020701	6.53E-07	6.16E-08	3.73E-05	1.18E-08	1.11E-09
495111.06, 3859301.99	0.01025	0.0020762	6.55E-07	6.18E-08	3.74E-05	1.18E-08	1.11E-09
495161.06, 3859301.99	0.01034	0.0020944	6.61E-07	6.23E-08	3.77E-05	1.19E-08	1.12E-09
495211.06, 3859301.99	0.01043	0.0021126	6.67E-07	6.29E-08	3.80E-05	1.20E-08	1.13E-09
495261.06, 3859301.99	0.01049	0.0021248	6.71E-07	6.32E-08	3.83E-05	1.21E-08	1.14E-09
495311.06, 3859301.99	0.01048	0.0021228	6.70E-07	6.32E-08	3.82E-05	1.21E-08	1.14E-09
495361.06, 3859301.99	0.01055	0.0021369	6.74E-07	6.36E-08	3.85E-05	1.21E-08	1.14E-09
495411.06, 3859301.99	0.01059	0.002145	6.77E-07	6.38E-08	3.86E-05	1.22E-08	1.15E-09
495461.06, 3859301.99	0.01064	0.0021552	6.80E-07	6.41E-08	3.88E-05	1.22E-08	1.15E-09
495511.06, 3859301.99	0.01064	0.0021552	6.80E-07	6.41E-08	3.88E-05	1.22E-08	1.15E-09
495561.06, 3859301.99	0.0106	0.0021471	6.78E-07	6.39E-08	3.87E-05	1.22E-08	1.15E-09
495611.06, 3859301.99	0.01062	0.0021511	6.79E-07	6.40E-08	3.87E-05	1.22E-08	1.15E-09
495661.06, 3859301.99	0.01064	0.0021552	6.80E-07	6.41E-08	3.88E-05	1.22E-08	1.15E-09
494311.06, 3859351.99	0.01119	0.0022666	7.15E-07	6.74E-08	4.08E-05	1.29E-08	1.21E-09
494361.06, 3859351.99	0.0112	0.0022686	7.16E-07	6.75E-08	4.08E-05	1.29E-08	1.22E-09
494411.06, 3859351.99	0.01116	0.0022605	7.13E-07	6.73E-08	4.07E-05	1.28E-08	1.21E-09
494461.06, 3859351.99	0.01116	0.0022605	7.13E-07	6.73E-08	4.07E-05	1.28E-08	1.21E-09
494511.06, 3859351.99	0.01115	0.0022585	7.13E-07	6.72E-08	4.07E-05	1.28E-08	1.21E-09
494561.06, 3859351.99	0.01118	0.0022645	7.15E-07	6.74E-08	4.08E-05	1.29E-08	1.21E-09
494611.06, 3859351.99	0.01118	0.0022645	7.15E-07	6.74E-08	4.08E-05	1.29E-08	1.21E-09
494661.06, 3859351.99	0.01117	0.0022625	7.14E-07	6.73E-08	4.07E-05	1.29E-08	1.21E-09
494711.06, 3859351.99	0.01114	0.0022564	7.12E-07	6.71E-08	4.06E-05	1.28E-08	1.21E-09
494761.06, 3859351.99	0.01092	0.0022119	6.98E-07	6.58E-08	3.98E-05	1.26E-08	1.19E-09
494811.06, 3859351.99	0.01093	0.0022139	6.99E-07	6.59E-08	3.99E-05	1.26E-08	1.19E-09
494861.06, 3859351.99	0.01094	0.0022159	6.99E-07	6.59E-08	3.99E-05	1.26E-08	1.19E-09
494911.06, 3859351.99	0.01097	0.002222	7.01E-07	6.61E-08	4.00E-05	1.26E-08	1.19E-09
494961.06, 3859351.99	0.01094	0.0022159	6.99E-07	6.59E-08	3.99E-05	1.26E-08	1.19E-09
495011.06, 3859351.99	0.01094	0.0022159	6.99E-07	6.59E-08	3.99E-05	1.26E-08	1.19E-09
495061.06, 3859351.99	0.01107	0.0022423	7.08E-07	6.67E-08	4.04E-05	1.27E-08	1.20E-09
495111.06, 3859351.99	0.01107	0.0022423	7.08E-07	6.67E-08	4.04E-05	1.27E-08	1.20E-09
495161.06, 3859351.99	0.01111	0.0022504	7.10E-07	6.70E-08	4.05E-05	1.28E-08	1.21E-09
495211.06, 3859351.99	0.01114	0.0022564	7.12E-07	6.71E-08	4.06E-05	1.28E-08	1.21E-09
495261.06, 3859351.99	0.01121	0.0022706	7.17E-07	6.76E-08	4.09E-05	1.29E-08	1.22E-09
495311.06, 3859351.99	0.01121	0.0022706	7.17E-07	6.76E-08	4.09E-05	1.29E-08	1.22E-09
495361.06, 3859351.99	0.01124	0.0022767	7.19E-07	6.78E-08	4.10E-05	1.29E-08	1.22E-09
495411.06, 3859351.99	0.0113	0.0022889	7.22E-07	6.81E-08	4.12E-05	1.30E-08	1.23E-09
495461.06, 3859351.99	0.01137	0.002303	7.27E-07	6.85E-08	4.15E-05	1.31E-08	1.23E-09
495511.06, 3859351.99	0.01134	0.002297	7.25E-07	6.84E-08	4.14E-05	1.31E-08	1.23E-09
495561.06, 3859351.99	0.01134	0.002297	7.25E-07	6.84E-08	4.14E-05	1.31E-08	1.23E-09
495611.06, 3859351.99	0.01137	0.002303	7.27E-07	6.85E-08	4.15E-05	1.31E-08	1.23E-09
495661.06, 3859351.99	0.01134	0.002297	7.25E-07	6.84E-08	4.14E-05	1.31E-08	1.23E-09
494311.06, 3859401.99	0.01196	0.0024225	7.65E-07	7.21E-08	4.36E-05	1.38E-08	1.30E-09
494361.06, 3859401.99	0.0119	0.0024104	7.61E-07	7.17E-08	4.34E-05	1.37E-08	1.29E-09
494411.06, 3859401.99	0.01184	0.0023982	7.57E-07	7.14E-08	4.32E-05	1.36E-08	1.28E-09
494461.06, 3859401.99	0.01185	0.0024003	7.58E-07	7.14E-08	4.32E-05	1.36E-08	1.29E-09
494511.06, 3859401.99	0.0119	0.0024104	7.61E-07	7.17E-08	4.34E-05	1.37E-08	1.29E-09
494561.06, 3859401.99	0.01192	0.0024144	7.62E-07	7.18E-08	4.35E-05	1.37E-08	1.29E-09
494611.06, 3859401.99	0.0119	0.0024104	7.61E-07	7.17E-08	4.34E-05	1.37E-08	1.29E-09
494661.06, 3859401.99	0.01193	0.0024165	7.63E-07	7.19E-08	4.35E-05	1.37E-08	1.29E-09
494711.06, 3859401.99	0.01194	0.0024185	7.63E-07	7.20E-08	4.35E-05	1.37E-08	1.30E-09
494761.06, 3859401.99	0.0116	0.0023496	7.42E-07	6.99E-08	4.23E-05	1.34E-08	1.26E-09
494811.06, 3859401.99	0.01179	0.0023881	7.54E-07	7.11E-08	4.30E-05	1.36E-08	1.28E-09

494861.06, 3859401.99	0.01169	0.0023679	7.47E-07	7.05E-08	4.26E-05	1.35E-08	1.27E-09
494911.06, 3859401.99	0.01156	0.0023415	7.39E-07	6.97E-08	4.22E-05	1.33E-08	1.25E-09
494961.06, 3859401.99	0.01168	0.0023658	7.47E-07	7.04E-08	4.26E-05	1.34E-08	1.27E-09
495011.06, 3859401.99	0.01173	0.002376	7.50E-07	7.07E-08	4.28E-05	1.35E-08	1.27E-09
495061.06, 3859401.99	0.01165	0.0023597	7.45E-07	7.02E-08	4.25E-05	1.34E-08	1.26E-09
495111.06, 3859401.99	0.01167	0.0023638	7.46E-07	7.03E-08	4.26E-05	1.34E-08	1.27E-09
495161.06, 3859401.99	0.01185	0.0024003	7.58E-07	7.14E-08	4.32E-05	1.36E-08	1.29E-09
495211.06, 3859401.99	0.01193	0.0024165	7.63E-07	7.19E-08	4.35E-05	1.37E-08	1.29E-09
495261.06, 3859401.99	0.01197	0.0024246	7.65E-07	7.22E-08	4.37E-05	1.38E-08	1.30E-09
495311.06, 3859401.99	0.012	0.0024306	7.67E-07	7.23E-08	4.38E-05	1.38E-08	1.30E-09
495361.06, 3859401.99	0.01209	0.0024489	7.73E-07	7.29E-08	4.41E-05	1.39E-08	1.31E-09
495411.06, 3859401.99	0.01214	0.002459	7.76E-07	7.32E-08	4.43E-05	1.40E-08	1.32E-09
495461.06, 3859401.99	0.01215	0.002461	7.77E-07	7.32E-08	4.43E-05	1.40E-08	1.32E-09
495511.06, 3859401.99	0.01213	0.002457	7.75E-07	7.31E-08	4.42E-05	1.40E-08	1.32E-09
495561.06, 3859401.99	0.01208	0.0024468	7.72E-07	7.28E-08	4.41E-05	1.39E-08	1.31E-09
495611.06, 3859401.99	0.01209	0.0024489	7.73E-07	7.29E-08	4.41E-05	1.39E-08	1.31E-09
495661.06, 3859401.99	0.01212	0.0024549	7.75E-07	7.31E-08	4.42E-05	1.39E-08	1.32E-09
494311.06, 3859451.99	0.0127	0.0025724	8.12E-07	7.66E-08	4.63E-05	1.46E-08	1.38E-09
494361.06, 3859451.99	0.01266	0.0025643	8.09E-07	7.63E-08	4.62E-05	1.46E-08	1.37E-09
494411.06, 3859451.99	0.01253	0.002538	8.01E-07	7.55E-08	4.57E-05	1.44E-08	1.36E-09
494461.06, 3859451.99	0.01262	0.0025562	8.07E-07	7.61E-08	4.60E-05	1.45E-08	1.37E-09
494511.06, 3859451.99	0.01262	0.0025562	8.07E-07	7.61E-08	4.60E-05	1.45E-08	1.37E-09
494561.06, 3859451.99	0.01265	0.0025623	8.09E-07	7.62E-08	4.61E-05	1.46E-08	1.37E-09
494611.06, 3859451.99	0.01273	0.0025785	8.14E-07	7.67E-08	4.64E-05	1.47E-08	1.38E-09
494661.06, 3859451.99	0.01271	0.0025745	8.13E-07	7.66E-08	4.63E-05	1.46E-08	1.38E-09
494711.06, 3859451.99	0.01269	0.0025704	8.11E-07	7.65E-08	4.63E-05	1.46E-08	1.38E-09
494761.06, 3859451.99	0.0127	0.0025724	8.12E-07	7.66E-08	4.63E-05	1.46E-08	1.38E-09
494811.06, 3859451.99	0.01263	0.0025583	8.07E-07	7.61E-08	4.61E-05	1.45E-08	1.37E-09
494861.06, 3859451.99	0.01258	0.0025481	8.04E-07	7.58E-08	4.59E-05	1.45E-08	1.37E-09
494911.06, 3859451.99	0.01256	0.0025441	8.03E-07	7.57E-08	4.58E-05	1.45E-08	1.36E-09
494961.06, 3859451.99	0.01259	0.0025501	8.05E-07	7.59E-08	4.59E-05	1.45E-08	1.37E-09
495011.06, 3859451.99	0.01261	0.0025542	8.06E-07	7.60E-08	4.60E-05	1.45E-08	1.37E-09
495061.06, 3859451.99	0.01263	0.0025583	8.07E-07	7.61E-08	4.61E-05	1.45E-08	1.37E-09
495111.06, 3859451.99	0.01265	0.0025623	8.09E-07	7.62E-08	4.61E-05	1.46E-08	1.37E-09
495161.06, 3859451.99	0.01272	0.0025765	8.13E-07	7.67E-08	4.64E-05	1.46E-08	1.38E-09
495211.06, 3859451.99	0.01281	0.0025947	8.19E-07	7.72E-08	4.67E-05	1.47E-08	1.39E-09
495261.06, 3859451.99	0.01289	0.0026109	8.24E-07	7.77E-08	4.70E-05	1.48E-08	1.40E-09
495311.06, 3859451.99	0.01292	0.002617	8.26E-07	7.79E-08	4.71E-05	1.49E-08	1.40E-09
495361.06, 3859451.99	0.01296	0.0026251	8.29E-07	7.81E-08	4.73E-05	1.49E-08	1.41E-09
495411.06, 3859451.99	0.01299	0.0026312	8.30E-07	7.83E-08	4.74E-05	1.50E-08	1.41E-09
495461.06, 3859451.99	0.01303	0.0026393	8.33E-07	7.85E-08	4.75E-05	1.50E-08	1.41E-09
495511.06, 3859451.99	0.01298	0.0026291	8.30E-07	7.82E-08	4.73E-05	1.49E-08	1.41E-09
495561.06, 3859451.99	0.01298	0.0026291	8.30E-07	7.82E-08	4.73E-05	1.49E-08	1.41E-09
495611.06, 3859451.99	0.01298	0.0026291	8.30E-07	7.82E-08	4.73E-05	1.49E-08	1.41E-09
495661.06, 3859451.99	0.01299	0.0026312	8.30E-07	7.83E-08	4.74E-05	1.50E-08	1.41E-09
494311.06, 3859501.99	0.01359	0.0027527	8.69E-07	8.19E-08	4.96E-05	1.56E-08	1.47E-09
494361.06, 3859501.99	0.01352	0.0027385	8.64E-07	8.15E-08	4.93E-05	1.56E-08	1.47E-09
494411.06, 3859501.99	0.01329	0.0026919	8.50E-07	8.01E-08	4.85E-05	1.53E-08	1.44E-09
494461.06, 3859501.99	0.01351	0.0027365	8.64E-07	8.14E-08	4.93E-05	1.55E-08	1.47E-09
494511.06, 3859501.99	0.01348	0.0027304	8.62E-07	8.13E-08	4.92E-05	1.55E-08	1.46E-09
494561.06, 3859501.99	0.01347	0.0027284	8.61E-07	8.12E-08	4.91E-05	1.55E-08	1.46E-09
494611.06, 3859501.99	0.01367	0.0027689	8.74E-07	8.24E-08	4.98E-05	1.57E-08	1.48E-09
494661.06, 3859501.99	0.01361	0.0027568	8.70E-07	8.20E-08	4.96E-05	1.57E-08	1.48E-09
494711.06, 3859501.99	0.01351	0.0027365	8.64E-07	8.14E-08	4.93E-05	1.55E-08	1.47E-09
494761.06, 3859501.99	0.01364	0.0027628	8.72E-07	8.22E-08	4.97E-05	1.57E-08	1.48E-09
494811.06, 3859501.99	0.01346	0.0027264	8.60E-07	8.11E-08	4.91E-05	1.55E-08	1.46E-09
494861.06, 3859501.99	0.01347	0.0027284	8.61E-07	8.12E-08	4.91E-05	1.55E-08	1.46E-09
494911.06, 3859501.99	0.01352	0.0027385	8.64E-07	8.15E-08	4.93E-05	1.56E-08	1.47E-09
494961.06, 3859501.99	0.01348	0.0027304	8.62E-07	8.13E-08	4.92E-05	1.55E-08	1.46E-09
495011.06, 3859501.99	0.01354	0.0027426	8.66E-07	8.16E-08	4.94E-05	1.56E-08	1.47E-09

495061.06, 3859501.99	0.0136	0.0027547	8.69E-07	8.20E-08	4.96E-05	1.57E-08	1.48E-09
495111.06, 3859501.99	0.01358	0.0027507	8.68E-07	8.19E-08	4.95E-05	1.56E-08	1.47E-09
495161.06, 3859501.99	0.01366	0.0027669	8.73E-07	8.23E-08	4.98E-05	1.57E-08	1.48E-09
495211.06, 3859501.99	0.01376	0.0027871	8.80E-07	8.29E-08	5.02E-05	1.58E-08	1.49E-09
495261.06, 3859501.99	0.01382	0.0027993	8.84E-07	8.33E-08	5.04E-05	1.59E-08	1.50E-09
495311.06, 3859501.99	0.0139	0.0028155	8.89E-07	8.38E-08	5.07E-05	1.60E-08	1.51E-09
495361.06, 3859501.99	0.01394	0.0028236	8.91E-07	8.40E-08	5.08E-05	1.60E-08	1.51E-09
495411.06, 3859501.99	0.01399	0.0028337	8.94E-07	8.43E-08	5.10E-05	1.61E-08	1.52E-09
495461.06, 3859501.99	0.01401	0.0028378	8.96E-07	8.44E-08	5.11E-05	1.61E-08	1.52E-09
495511.06, 3859501.99	0.01374	0.0027831	8.78E-07	8.28E-08	5.01E-05	1.58E-08	1.49E-09
495561.06, 3859501.99	0.01397	0.0028297	8.93E-07	8.42E-08	5.09E-05	1.61E-08	1.52E-09
495611.06, 3859501.99	0.01396	0.0028276	8.92E-07	8.41E-08	5.09E-05	1.61E-08	1.51E-09
495661.06, 3859501.99	0.01394	0.0028236	8.91E-07	8.40E-08	5.08E-05	1.60E-08	1.51E-09
494311.06, 3859551.99	0.01454	0.0029451	9.30E-07	8.76E-08	5.30E-05	1.67E-08	1.58E-09
494361.06, 3859551.99	0.01395	0.0028256	8.92E-07	8.41E-08	5.09E-05	1.61E-08	1.51E-09
494411.06, 3859551.99	0.01395	0.0028256	8.92E-07	8.41E-08	5.09E-05	1.61E-08	1.51E-09
494461.06, 3859551.99	0.01445	0.0029269	9.24E-07	8.71E-08	5.27E-05	1.66E-08	1.57E-09
494511.06, 3859551.99	0.01442	0.0029208	9.22E-07	8.69E-08	5.26E-05	1.66E-08	1.56E-09
494561.06, 3859551.99	0.01444	0.0029249	9.23E-07	8.70E-08	5.27E-05	1.66E-08	1.57E-09
494611.06, 3859551.99	0.01455	0.0029472	9.30E-07	8.77E-08	5.31E-05	1.67E-08	1.58E-09
494661.06, 3859551.99	0.01461	0.0029593	9.34E-07	8.81E-08	5.33E-05	1.68E-08	1.59E-09
494711.06, 3859551.99	0.01433	0.0029026	9.16E-07	8.64E-08	5.23E-05	1.65E-08	1.56E-09
494761.06, 3859551.99	0.01463	0.0029634	9.35E-07	8.82E-08	5.34E-05	1.68E-08	1.59E-09
494811.06, 3859551.99	0.01447	0.002931	9.25E-07	8.72E-08	5.28E-05	1.67E-08	1.57E-09
494861.06, 3859551.99	0.0145	0.002937	9.27E-07	8.74E-08	5.29E-05	1.67E-08	1.57E-09
494911.06, 3859551.99	0.01447	0.002931	9.25E-07	8.72E-08	5.28E-05	1.67E-08	1.57E-09
494961.06, 3859551.99	0.01453	0.0029431	9.29E-07	8.76E-08	5.30E-05	1.67E-08	1.58E-09
495011.06, 3859551.99	0.01463	0.0029634	9.35E-07	8.82E-08	5.34E-05	1.68E-08	1.59E-09
495061.06, 3859551.99	0.01466	0.0029694	9.37E-07	8.84E-08	5.35E-05	1.69E-08	1.59E-09
495111.06, 3859551.99	0.01466	0.0029694	9.37E-07	8.84E-08	5.35E-05	1.69E-08	1.59E-09
495161.06, 3859551.99	0.01476	0.0029897	9.44E-07	8.90E-08	5.38E-05	1.70E-08	1.60E-09
495211.06, 3859551.99	0.01488	0.003014	9.51E-07	8.97E-08	5.43E-05	1.71E-08	1.61E-09
495261.06, 3859551.99	0.01489	0.003016	9.52E-07	8.98E-08	5.43E-05	1.71E-08	1.62E-09
495311.06, 3859551.99	0.01493	0.0030241	9.54E-07	9.00E-08	5.44E-05	1.72E-08	1.62E-09
495361.06, 3859551.99	0.015	0.0030383	9.59E-07	9.04E-08	5.47E-05	1.73E-08	1.63E-09
495411.06, 3859551.99	0.01508	0.0030545	9.64E-07	9.09E-08	5.50E-05	1.74E-08	1.64E-09
495461.06, 3859551.99	0.01503	0.0030444	9.61E-07	9.06E-08	5.48E-05	1.73E-08	1.63E-09
495511.06, 3859551.99	0.01498	0.0030343	9.58E-07	9.03E-08	5.46E-05	1.72E-08	1.63E-09
495561.06, 3859551.99	0.01499	0.0030363	9.58E-07	9.04E-08	5.47E-05	1.73E-08	1.63E-09
495611.06, 3859551.99	0.01501	0.0030403	9.60E-07	9.05E-08	5.47E-05	1.73E-08	1.63E-09
495661.06, 3859551.99	0.01499	0.0030363	9.58E-07	9.04E-08	5.47E-05	1.73E-08	1.63E-09
494311.06, 3859601.99	0.01569	0.0031781	1.00E-06	9.46E-08	5.72E-05	1.81E-08	1.70E-09
494361.06, 3859601.99	0.01508	0.0030545	9.64E-07	9.09E-08	5.50E-05	1.74E-08	1.64E-09
494411.06, 3859601.99	0.01519	0.0030768	9.71E-07	9.16E-08	5.54E-05	1.75E-08	1.65E-09
494461.06, 3859601.99	0.01552	0.0031436	9.92E-07	9.35E-08	5.66E-05	1.79E-08	1.68E-09
494511.06, 3859601.99	0.01536	0.0031112	9.82E-07	9.26E-08	5.60E-05	1.77E-08	1.67E-09
494561.06, 3859601.99	0.01559	0.0031578	9.97E-07	9.40E-08	5.69E-05	1.79E-08	1.69E-09
494611.06, 3859601.99	0.01573	0.0031862	1.01E-06	9.48E-08	5.74E-05	1.81E-08	1.71E-09
494661.06, 3859601.99	0.01529	0.003097	9.77E-07	9.22E-08	5.58E-05	1.76E-08	1.66E-09
494711.06, 3859601.99	0.0154	0.0031193	9.85E-07	9.28E-08	5.62E-05	1.77E-08	1.67E-09
494761.06, 3859601.99	0.01584	0.0032084	1.01E-06	9.55E-08	5.78E-05	1.82E-08	1.72E-09
494811.06, 3859601.99	0.01564	0.0031679	1.00E-06	9.43E-08	5.70E-05	1.80E-08	1.70E-09
494861.06, 3859601.99	0.01568	0.003176	1.00E-06	9.45E-08	5.72E-05	1.80E-08	1.70E-09
494911.06, 3859601.99	0.01557	0.0031538	9.95E-07	9.38E-08	5.68E-05	1.79E-08	1.69E-09
494961.06, 3859601.99	0.0158	0.0032003	1.01E-06	9.52E-08	5.76E-05	1.82E-08	1.71E-09
495011.06, 3859601.99	0.01567	0.003174	1.00E-06	9.45E-08	5.71E-05	1.80E-08	1.70E-09
495061.06, 3859601.99	0.01584	0.0032084	1.01E-06	9.55E-08	5.78E-05	1.82E-08	1.72E-09
495111.06, 3859601.99	0.01581	0.0032024	1.01E-06	9.53E-08	5.77E-05	1.82E-08	1.72E-09
495161.06, 3859601.99	0.01594	0.0032287	1.02E-06	9.61E-08	5.81E-05	1.83E-08	1.73E-09
495211.06, 3859601.99	0.016	0.0032409	1.02E-06	9.64E-08	5.83E-05	1.84E-08	1.74E-09

495261.06, 3859601.99	0.01609	0.0032591	1.03E-06	9.70E-08	5.87E-05	1.85E-08	1.75E-09
495311.06, 3859601.99	0.01618	0.0032773	1.03E-06	9.75E-08	5.90E-05	1.86E-08	1.76E-09
495361.06, 3859601.99	0.01622	0.0032854	1.04E-06	9.78E-08	5.91E-05	1.87E-08	1.76E-09
495411.06, 3859601.99	0.0163	0.0033016	1.04E-06	9.83E-08	5.94E-05	1.88E-08	1.77E-09
495461.06, 3859601.99	0.01619	0.0032793	1.04E-06	9.76E-08	5.90E-05	1.86E-08	1.76E-09
495511.06, 3859601.99	0.0161	0.0032611	1.03E-06	9.70E-08	5.87E-05	1.85E-08	1.75E-09
495561.06, 3859601.99	0.01621	0.0032834	1.04E-06	9.77E-08	5.91E-05	1.87E-08	1.76E-09
495611.06, 3859601.99	0.01609	0.0032591	1.03E-06	9.70E-08	5.87E-05	1.85E-08	1.75E-09
495661.06, 3859601.99	0.01616	0.0032733	1.03E-06	9.74E-08	5.89E-05	1.86E-08	1.75E-09
494311.06, 3859651.99	0.01673	0.0033887	1.07E-06	1.01E-07	6.10E-05	1.93E-08	1.82E-09
494361.06, 3859651.99	0.01632	0.0033057	1.04E-06	9.84E-08	5.95E-05	1.88E-08	1.77E-09
494411.06, 3859651.99	0.0164	0.0033219	1.05E-06	9.89E-08	5.98E-05	1.89E-08	1.78E-09
494461.06, 3859651.99	0.01676	0.0033948	1.07E-06	1.01E-07	6.11E-05	1.93E-08	1.82E-09
494511.06, 3859651.99	0.01677	0.0033968	1.07E-06	1.01E-07	6.12E-05	1.93E-08	1.82E-09
494561.06, 3859651.99	0.01688	0.0034191	1.08E-06	1.02E-07	6.16E-05	1.94E-08	1.83E-09
494611.06, 3859651.99	0.01697	0.0034373	1.08E-06	1.02E-07	6.19E-05	1.95E-08	1.84E-09
494661.06, 3859651.99	0.01628	0.0032976	1.04E-06	9.81E-08	5.94E-05	1.87E-08	1.77E-09
494711.06, 3859651.99	0.01643	0.003328	1.05E-06	9.90E-08	5.99E-05	1.89E-08	1.78E-09
494761.06, 3859651.99	0.01698	0.0034394	1.09E-06	1.02E-07	6.19E-05	1.95E-08	1.84E-09
494811.06, 3859651.99	0.01691	0.0034252	1.08E-06	1.02E-07	6.17E-05	1.95E-08	1.84E-09
494861.06, 3859651.99	0.01701	0.0034454	1.09E-06	1.03E-07	6.20E-05	1.96E-08	1.85E-09
494911.06, 3859651.99	0.017	0.0034434	1.09E-06	1.02E-07	6.20E-05	1.96E-08	1.84E-09
494961.06, 3859651.99	0.01706	0.0034556	1.09E-06	1.03E-07	6.22E-05	1.96E-08	1.85E-09
495011.06, 3859651.99	0.01708	0.0034596	1.09E-06	1.03E-07	6.23E-05	1.97E-08	1.85E-09
495061.06, 3859651.99	0.0172	0.0034839	1.10E-06	1.04E-07	6.27E-05	1.98E-08	1.87E-09
495111.06, 3859651.99	0.0172	0.0034839	1.10E-06	1.04E-07	6.27E-05	1.98E-08	1.87E-09
495161.06, 3859651.99	0.01727	0.0034981	1.10E-06	1.04E-07	6.30E-05	1.99E-08	1.87E-09
495211.06, 3859651.99	0.01738	0.0035204	1.11E-06	1.05E-07	6.34E-05	2.00E-08	1.89E-09
495261.06, 3859651.99	0.01742	0.0035285	1.11E-06	1.05E-07	6.35E-05	2.00E-08	1.89E-09
495311.06, 3859651.99	0.01749	0.0035427	1.12E-06	1.05E-07	6.38E-05	2.01E-08	1.90E-09
495361.06, 3859651.99	0.01757	0.0035589	1.12E-06	1.06E-07	6.41E-05	2.02E-08	1.91E-09
495411.06, 3859651.99	0.0176	0.0035649	1.13E-06	1.06E-07	6.42E-05	2.03E-08	1.91E-09
495461.06, 3859651.99	0.01748	0.0035406	1.12E-06	1.05E-07	6.37E-05	2.01E-08	1.90E-09
495511.06, 3859651.99	0.01741	0.0035265	1.11E-06	1.05E-07	6.35E-05	2.00E-08	1.89E-09
495561.06, 3859651.99	0.01746	0.0035366	1.12E-06	1.05E-07	6.37E-05	2.01E-08	1.89E-09
495611.06, 3859651.99	0.01746	0.0035366	1.12E-06	1.05E-07	6.37E-05	2.01E-08	1.89E-09
495661.06, 3859651.99	0.01745	0.0035346	1.12E-06	1.05E-07	6.36E-05	2.01E-08	1.89E-09
494311.06, 3859701.99	0.01709	0.0034616	1.09E-06	1.03E-07	6.23E-05	1.97E-08	1.85E-09
494361.06, 3859701.99	0.01739	0.0035224	1.11E-06	1.05E-07	6.34E-05	2.00E-08	1.89E-09
494411.06, 3859701.99	0.01761	0.003567	1.13E-06	1.06E-07	6.42E-05	2.03E-08	1.91E-09
494461.06, 3859701.99	0.01813	0.0036723	1.16E-06	1.09E-07	6.61E-05	2.09E-08	1.97E-09
494511.06, 3859701.99	0.01819	0.0036844	1.16E-06	1.10E-07	6.63E-05	2.09E-08	1.97E-09
494561.06, 3859701.99	0.01833	0.0037128	1.17E-06	1.10E-07	6.68E-05	2.11E-08	1.99E-09
494611.06, 3859701.99	0.01846	0.0037391	1.18E-06	1.11E-07	6.73E-05	2.12E-08	2.00E-09
494661.06, 3859701.99	0.01801	0.003648	1.15E-06	1.09E-07	6.57E-05	2.07E-08	1.95E-09
494711.06, 3859701.99	0.01829	0.0037047	1.17E-06	1.10E-07	6.67E-05	2.11E-08	1.98E-09
494761.06, 3859701.99	0.01828	0.0037027	1.17E-06	1.10E-07	6.67E-05	2.10E-08	1.98E-09
494811.06, 3859701.99	0.01825	0.0036966	1.17E-06	1.10E-07	6.66E-05	2.10E-08	1.98E-09
494861.06, 3859701.99	0.01851	0.0037493	1.18E-06	1.12E-07	6.75E-05	2.13E-08	2.01E-09
494911.06, 3859701.99	0.0185	0.0037472	1.18E-06	1.12E-07	6.75E-05	2.13E-08	2.01E-09
494961.06, 3859701.99	0.01849	0.0037452	1.18E-06	1.11E-07	6.74E-05	2.13E-08	2.01E-09
495011.06, 3859701.99	0.01862	0.0037715	1.19E-06	1.12E-07	6.79E-05	2.14E-08	2.02E-09
495061.06, 3859701.99	0.01868	0.0037837	1.19E-06	1.13E-07	6.81E-05	2.15E-08	2.03E-09
495111.06, 3859701.99	0.01873	0.0037938	1.20E-06	1.13E-07	6.83E-05	2.16E-08	2.03E-09
495161.06, 3859701.99	0.01875	0.0037979	1.20E-06	1.13E-07	6.84E-05	2.16E-08	2.03E-09
495211.06, 3859701.99	0.01875	0.0037979	1.20E-06	1.13E-07	6.84E-05	2.16E-08	2.03E-09
495261.06, 3859701.99	0.01895	0.0038384	1.21E-06	1.14E-07	6.91E-05	2.18E-08	2.06E-09
495311.06, 3859701.99	0.01895	0.0038384	1.21E-06	1.14E-07	6.91E-05	2.18E-08	2.06E-09
495361.06, 3859701.99	0.01897	0.0038424	1.21E-06	1.14E-07	6.92E-05	2.18E-08	2.06E-09
495411.06, 3859701.99	0.0189	0.0038283	1.21E-06	1.14E-07	6.89E-05	2.18E-08	2.05E-09

495461.06, 3859701.99	0.01889	0.0038262	1.21E-06	1.14E-07	6.89E-05	2.17E-08	2.05E-09
495511.06, 3859701.99	0.01868	0.0037837	1.19E-06	1.13E-07	6.81E-05	2.15E-08	2.03E-09
495561.06, 3859701.99	0.01889	0.0038262	1.21E-06	1.14E-07	6.89E-05	2.17E-08	2.05E-09
495611.06, 3859701.99	0.0189	0.0038283	1.21E-06	1.14E-07	6.89E-05	2.18E-08	2.05E-09
495661.06, 3859701.99	0.0189	0.0038283	1.21E-06	1.14E-07	6.89E-05	2.18E-08	2.05E-09
494311.06, 3859751.99	0.01901	0.0038505	1.22E-06	1.15E-07	6.93E-05	2.19E-08	2.06E-09
494361.06, 3859751.99	0.01908	0.0038647	1.22E-06	1.15E-07	6.96E-05	2.20E-08	2.07E-09
494411.06, 3859751.99	0.01909	0.0038667	1.22E-06	1.15E-07	6.96E-05	2.20E-08	2.07E-09
494461.06, 3859751.99	0.01958	0.003966	1.25E-06	1.18E-07	7.14E-05	2.25E-08	2.12E-09
494511.06, 3859751.99	0.0199	0.0040308	1.27E-06	1.20E-07	7.26E-05	2.29E-08	2.16E-09
494561.06, 3859751.99	0.01995	0.0040409	1.28E-06	1.20E-07	7.28E-05	2.30E-08	2.16E-09
494611.06, 3859751.99	0.0199	0.0040308	1.27E-06	1.20E-07	7.26E-05	2.29E-08	2.16E-09
494661.06, 3859751.99	0.01909	0.0038667	1.22E-06	1.15E-07	6.96E-05	2.20E-08	2.07E-09
494711.06, 3859751.99	0.01994	0.0040389	1.27E-06	1.20E-07	7.27E-05	2.29E-08	2.16E-09
494761.06, 3859751.99	0.02012	0.0040754	1.29E-06	1.21E-07	7.34E-05	2.32E-08	2.18E-09
494811.06, 3859751.99	0.02011	0.0040734	1.29E-06	1.21E-07	7.33E-05	2.31E-08	2.18E-09
494861.06, 3859751.99	0.0202	0.0040916	1.29E-06	1.22E-07	7.37E-05	2.32E-08	2.19E-09
494911.06, 3859751.99	0.02026	0.0041037	1.30E-06	1.22E-07	7.39E-05	2.33E-08	2.20E-09
494961.06, 3859751.99	0.02032	0.0041159	1.30E-06	1.22E-07	7.41E-05	2.34E-08	2.21E-09
495011.06, 3859751.99	0.02035	0.004122	1.30E-06	1.23E-07	7.42E-05	2.34E-08	2.21E-09
495061.06, 3859751.99	0.0205	0.0041523	1.31E-06	1.24E-07	7.48E-05	2.36E-08	2.22E-09
495111.06, 3859751.99	0.02054	0.0041605	1.31E-06	1.24E-07	7.49E-05	2.36E-08	2.23E-09
495161.06, 3859751.99	0.02054	0.0041605	1.31E-06	1.24E-07	7.49E-05	2.36E-08	2.23E-09
495211.06, 3859751.99	0.02052	0.0041564	1.31E-06	1.24E-07	7.48E-05	2.36E-08	2.23E-09
495261.06, 3859751.99	0.02062	0.0041767	1.32E-06	1.24E-07	7.52E-05	2.37E-08	2.24E-09
495311.06, 3859751.99	0.02063	0.0041787	1.32E-06	1.24E-07	7.52E-05	2.37E-08	2.24E-09
495361.06, 3859751.99	0.02065	0.0041827	1.32E-06	1.24E-07	7.53E-05	2.38E-08	2.24E-09
495411.06, 3859751.99	0.02067	0.0041868	1.32E-06	1.25E-07	7.54E-05	2.38E-08	2.24E-09
495461.06, 3859751.99	0.02055	0.0041625	1.31E-06	1.24E-07	7.49E-05	2.37E-08	2.23E-09
495511.06, 3859751.99	0.02043	0.0041382	1.31E-06	1.23E-07	7.45E-05	2.35E-08	2.22E-09
495561.06, 3859751.99	0.02044	0.0041402	1.31E-06	1.23E-07	7.45E-05	2.35E-08	2.22E-09
495611.06, 3859751.99	0.02046	0.0041442	1.31E-06	1.23E-07	7.46E-05	2.35E-08	2.22E-09
495661.06, 3859751.99	0.02054	0.0041605	1.31E-06	1.24E-07	7.49E-05	2.36E-08	2.23E-09
494311.06, 3859801.99	0.02091	0.0042354	1.34E-06	1.26E-07	7.63E-05	2.41E-08	2.27E-09
494361.06, 3859801.99	0.0208	0.0042131	1.33E-06	1.25E-07	7.59E-05	2.39E-08	2.26E-09
494411.06, 3859801.99	0.02068	0.0041888	1.32E-06	1.25E-07	7.54E-05	2.38E-08	2.24E-09
494461.06, 3859801.99	0.02117	0.0042881	1.35E-06	1.28E-07	7.72E-05	2.44E-08	2.30E-09
494511.06, 3859801.99	0.02172	0.0043995	1.39E-06	1.31E-07	7.92E-05	2.50E-08	2.36E-09
494561.06, 3859801.99	0.0218	0.0044157	1.39E-06	1.31E-07	7.95E-05	2.51E-08	2.37E-09
494611.06, 3859801.99	0.02148	0.0043509	1.37E-06	1.29E-07	7.83E-05	2.47E-08	2.33E-09
494661.06, 3859801.99	0.02153	0.004361	1.38E-06	1.30E-07	7.85E-05	2.48E-08	2.34E-09
494711.06, 3859801.99	0.02149	0.0043529	1.37E-06	1.30E-07	7.84E-05	2.47E-08	2.33E-09
494761.06, 3859801.99	0.022	0.0044562	1.41E-06	1.33E-07	8.02E-05	2.53E-08	2.39E-09
494811.06, 3859801.99	0.02203	0.0044623	1.41E-06	1.33E-07	8.03E-05	2.54E-08	2.39E-09
494861.06, 3859801.99	0.02218	0.0044926	1.42E-06	1.34E-07	8.09E-05	2.55E-08	2.41E-09
494911.06, 3859801.99	0.02211	0.0044785	1.41E-06	1.33E-07	8.06E-05	2.54E-08	2.40E-09
494961.06, 3859801.99	0.02217	0.0044906	1.42E-06	1.34E-07	8.08E-05	2.55E-08	2.41E-09
495011.06, 3859801.99	0.02221	0.0044987	1.42E-06	1.34E-07	8.10E-05	2.56E-08	2.41E-09
495061.06, 3859801.99	0.02234	0.004525	1.43E-06	1.35E-07	8.15E-05	2.57E-08	2.42E-09
495111.06, 3859801.99	0.02232	0.004521	1.43E-06	1.35E-07	8.14E-05	2.57E-08	2.42E-09
495161.06, 3859801.99	0.02232	0.004521	1.43E-06	1.35E-07	8.14E-05	2.57E-08	2.42E-09
495211.06, 3859801.99	0.02243	0.0045433	1.43E-06	1.35E-07	8.18E-05	2.58E-08	2.43E-09
495261.06, 3859801.99	0.02241	0.0045392	1.43E-06	1.35E-07	8.17E-05	2.58E-08	2.43E-09
495311.06, 3859801.99	0.02252	0.0045615	1.44E-06	1.36E-07	8.21E-05	2.59E-08	2.44E-09
495361.06, 3859801.99	0.02251	0.0045595	1.44E-06	1.36E-07	8.21E-05	2.59E-08	2.44E-09
495411.06, 3859801.99	0.02241	0.0045392	1.43E-06	1.35E-07	8.17E-05	2.58E-08	2.43E-09
495461.06, 3859801.99	0.0224	0.0045372	1.43E-06	1.35E-07	8.17E-05	2.58E-08	2.43E-09
495511.06, 3859801.99	0.02223	0.0045028	1.42E-06	1.34E-07	8.11E-05	2.56E-08	2.41E-09
495561.06, 3859801.99	0.02228	0.0045129	1.42E-06	1.34E-07	8.12E-05	2.56E-08	2.42E-09
495611.06, 3859801.99	0.02246	0.0045494	1.44E-06	1.35E-07	8.19E-05	2.59E-08	2.44E-09

495661.06, 3859801.99	0.02235	0.0045271	1.43E-06	1.35E-07	8.15E-05	2.57E-08	2.43E-09
494311.06, 3859851.99	0.02285	0.0046283	1.46E-06	1.38E-07	8.33E-05	2.63E-08	2.48E-09
494361.06, 3859851.99	0.02284	0.0046263	1.46E-06	1.38E-07	8.33E-05	2.63E-08	2.48E-09
494411.06, 3859851.99	0.02276	0.0046101	1.46E-06	1.37E-07	8.30E-05	2.62E-08	2.47E-09
494461.06, 3859851.99	0.02286	0.0046304	1.46E-06	1.38E-07	8.34E-05	2.63E-08	2.48E-09
494511.06, 3859851.99	0.02328	0.0047154	1.49E-06	1.40E-07	8.49E-05	2.68E-08	2.53E-09
494561.06, 3859851.99	0.02379	0.0048188	1.52E-06	1.43E-07	8.68E-05	2.74E-08	2.58E-09
494611.06, 3859851.99	0.02334	0.0047276	1.49E-06	1.41E-07	8.51E-05	2.69E-08	2.53E-09
494661.06, 3859851.99	0.0237	0.0048005	1.52E-06	1.43E-07	8.64E-05	2.73E-08	2.57E-09
494711.06, 3859851.99	0.02354	0.0047681	1.50E-06	1.42E-07	8.58E-05	2.71E-08	2.55E-09
494761.06, 3859851.99	0.02406	0.0048734	1.54E-06	1.45E-07	8.77E-05	2.77E-08	2.61E-09
494811.06, 3859851.99	0.02413	0.0048876	1.54E-06	1.45E-07	8.80E-05	2.78E-08	2.62E-09
494861.06, 3859851.99	0.02435	0.0049322	1.56E-06	1.47E-07	8.88E-05	2.80E-08	2.64E-09
494911.06, 3859851.99	0.02429	0.00492	1.55E-06	1.46E-07	8.86E-05	2.80E-08	2.64E-09
494961.06, 3859851.99	0.02435	0.0049322	1.56E-06	1.47E-07	8.88E-05	2.80E-08	2.64E-09
495011.06, 3859851.99	0.02442	0.0049464	1.56E-06	1.47E-07	8.91E-05	2.81E-08	2.65E-09
495061.06, 3859851.99	0.02457	0.0049767	1.57E-06	1.48E-07	8.96E-05	2.83E-08	2.67E-09
495111.06, 3859851.99	0.0245	0.0049626	1.57E-06	1.48E-07	8.93E-05	2.82E-08	2.66E-09
495161.06, 3859851.99	0.02452	0.0049666	1.57E-06	1.48E-07	8.94E-05	2.82E-08	2.66E-09
495211.06, 3859851.99	0.02457	0.0049767	1.57E-06	1.48E-07	8.96E-05	2.83E-08	2.67E-09
495261.06, 3859851.99	0.02458	0.0049788	1.57E-06	1.48E-07	8.96E-05	2.83E-08	2.67E-09
495311.06, 3859851.99	0.02467	0.004997	1.58E-06	1.49E-07	9.00E-05	2.84E-08	2.68E-09
495361.06, 3859851.99	0.02468	0.004999	1.58E-06	1.49E-07	9.00E-05	2.84E-08	2.68E-09
495411.06, 3859851.99	0.02458	0.0049788	1.57E-06	1.48E-07	8.96E-05	2.83E-08	2.67E-09
495461.06, 3859851.99	0.02449	0.0049605	1.57E-06	1.48E-07	8.93E-05	2.82E-08	2.66E-09
495511.06, 3859851.99	0.02434	0.0049302	1.56E-06	1.47E-07	8.88E-05	2.80E-08	2.64E-09
495561.06, 3859851.99	0.02445	0.0049524	1.56E-06	1.47E-07	8.92E-05	2.81E-08	2.65E-09
495611.06, 3859851.99	0.02452	0.0049666	1.57E-06	1.48E-07	8.94E-05	2.82E-08	2.66E-09
495661.06, 3859851.99	0.02439	0.0049403	1.56E-06	1.47E-07	8.89E-05	2.81E-08	2.65E-09
494311.06, 3859901.99	0.02502	0.0050679	1.60E-06	1.51E-07	9.12E-05	2.88E-08	2.72E-09
494361.06, 3859901.99	0.02465	0.0049929	1.58E-06	1.49E-07	8.99E-05	2.84E-08	2.67E-09
494411.06, 3859901.99	0.02502	0.0050679	1.60E-06	1.51E-07	9.12E-05	2.88E-08	2.72E-09
494461.06, 3859901.99	0.02513	0.0050902	1.61E-06	1.51E-07	9.16E-05	2.89E-08	2.73E-09
494511.06, 3859901.99	0.02542	0.0051489	1.63E-06	1.53E-07	9.27E-05	2.93E-08	2.76E-09
494561.06, 3859901.99	0.02618	0.0053029	1.67E-06	1.58E-07	9.55E-05	3.01E-08	2.84E-09
494611.06, 3859901.99	0.02556	0.0051773	1.63E-06	1.54E-07	9.32E-05	2.94E-08	2.77E-09
494661.06, 3859901.99	0.02622	0.005311	1.68E-06	1.58E-07	9.56E-05	3.02E-08	2.85E-09
494711.06, 3859901.99	0.02569	0.0052036	1.64E-06	1.55E-07	9.37E-05	2.96E-08	2.79E-09
494761.06, 3859901.99	0.02615	0.0052968	1.67E-06	1.58E-07	9.54E-05	3.01E-08	2.84E-09
494811.06, 3859901.99	0.02661	0.00539	1.70E-06	1.60E-07	9.70E-05	3.06E-08	2.89E-09
494861.06, 3859901.99	0.02684	0.0054365	1.72E-06	1.62E-07	9.79E-05	3.09E-08	2.91E-09
494911.06, 3859901.99	0.02673	0.0054143	1.71E-06	1.61E-07	9.75E-05	3.08E-08	2.90E-09
494961.06, 3859901.99	0.02689	0.0054467	1.72E-06	1.62E-07	9.81E-05	3.09E-08	2.92E-09
495011.06, 3859901.99	0.02687	0.0054426	1.72E-06	1.62E-07	9.80E-05	3.09E-08	2.92E-09
495061.06, 3859901.99	0.02693	0.0054548	1.72E-06	1.62E-07	9.82E-05	3.10E-08	2.92E-09
495111.06, 3859901.99	0.02682	0.0054325	1.71E-06	1.62E-07	9.78E-05	3.09E-08	2.91E-09
495161.06, 3859901.99	0.02677	0.0054224	1.71E-06	1.61E-07	9.76E-05	3.08E-08	2.91E-09
495211.06, 3859901.99	0.02698	0.0054649	1.72E-06	1.63E-07	9.84E-05	3.11E-08	2.93E-09
495261.06, 3859901.99	0.02679	0.0054264	1.71E-06	1.61E-07	9.77E-05	3.08E-08	2.91E-09
495311.06, 3859901.99	0.02696	0.0054608	1.72E-06	1.63E-07	9.83E-05	3.10E-08	2.93E-09
495361.06, 3859901.99	0.02691	0.0054507	1.72E-06	1.62E-07	9.81E-05	3.10E-08	2.92E-09
495411.06, 3859901.99	0.02677	0.0054224	1.71E-06	1.61E-07	9.76E-05	3.08E-08	2.91E-09
495461.06, 3859901.99	0.0267	0.0054082	1.71E-06	1.61E-07	9.74E-05	3.07E-08	2.90E-09
495511.06, 3859901.99	0.02679	0.0054264	1.71E-06	1.61E-07	9.77E-05	3.08E-08	2.91E-09
495561.06, 3859901.99	0.02687	0.0054426	1.72E-06	1.62E-07	9.80E-05	3.09E-08	2.92E-09
495611.06, 3859901.99	0.02675	0.0054183	1.71E-06	1.61E-07	9.75E-05	3.08E-08	2.90E-09
495661.06, 3859901.99	0.0266	0.0053879	1.70E-06	1.60E-07	9.70E-05	3.06E-08	2.89E-09
494311.06, 3859951.99	0.02768	0.0056067	1.77E-06	1.67E-07	1.01E-04	3.19E-08	3.00E-09
494361.06, 3859951.99	0.02755	0.0055804	1.76E-06	1.66E-07	1.00E-04	3.17E-08	2.99E-09
494411.06, 3859951.99	0.02755	0.0055804	1.76E-06	1.66E-07	1.00E-04	3.17E-08	2.99E-09

494461.06, 3859951.99	0.02767	0.0056047	1.77E-06	1.67E-07	1.01E-04	3.18E-08	3.00E-09
494511.06, 3859951.99	0.02801	0.0056735	1.79E-06	1.69E-07	1.02E-04	3.22E-08	3.04E-09
494561.06, 3859951.99	0.02907	0.0058882	1.86E-06	1.75E-07	1.06E-04	3.35E-08	3.15E-09
494611.06, 3859951.99	0.02845	0.0057626	1.82E-06	1.71E-07	1.04E-04	3.27E-08	3.09E-09
494661.06, 3859951.99	0.02916	0.0059065	1.86E-06	1.76E-07	1.06E-04	3.36E-08	3.16E-09
494711.06, 3859951.99	0.02869	0.0058113	1.83E-06	1.73E-07	1.05E-04	3.30E-08	3.11E-09
494761.06, 3859951.99	0.02904	0.0058822	1.86E-06	1.75E-07	1.06E-04	3.34E-08	3.15E-09
494811.06, 3859951.99	0.02926	0.0059267	1.87E-06	1.76E-07	1.07E-04	3.37E-08	3.18E-09
494861.06, 3859951.99	0.0297	0.0060158	1.90E-06	1.79E-07	1.08E-04	3.42E-08	3.22E-09
494911.06, 3859951.99	0.02953	0.0059814	1.89E-06	1.78E-07	1.08E-04	3.40E-08	3.20E-09
494961.06, 3859951.99	0.02944	0.0059632	1.88E-06	1.77E-07	1.07E-04	3.39E-08	3.19E-09
495011.06, 3859951.99	0.02944	0.0059632	1.88E-06	1.77E-07	1.07E-04	3.39E-08	3.19E-09
495061.06, 3859951.99	0.02957	0.0059895	1.89E-06	1.78E-07	1.08E-04	3.40E-08	3.21E-09
495111.06, 3859951.99	0.02944	0.0059632	1.88E-06	1.77E-07	1.07E-04	3.39E-08	3.19E-09
495161.06, 3859951.99	0.02935	0.0059449	1.88E-06	1.77E-07	1.07E-04	3.38E-08	3.19E-09
495211.06, 3859951.99	0.02927	0.0059287	1.87E-06	1.76E-07	1.07E-04	3.37E-08	3.18E-09
495261.06, 3859951.99	0.0293	0.0059348	1.87E-06	1.77E-07	1.07E-04	3.37E-08	3.18E-09
495311.06, 3859951.99	0.02954	0.0059834	1.89E-06	1.78E-07	1.08E-04	3.40E-08	3.21E-09
495361.06, 3859951.99	0.0296	0.0059956	1.89E-06	1.78E-07	1.08E-04	3.41E-08	3.21E-09
495411.06, 3859951.99	0.02945	0.0059652	1.88E-06	1.78E-07	1.07E-04	3.39E-08	3.20E-09
495461.06, 3859951.99	0.02938	0.005951	1.88E-06	1.77E-07	1.07E-04	3.38E-08	3.19E-09
495511.06, 3859951.99	0.02929	0.0059328	1.87E-06	1.77E-07	1.07E-04	3.37E-08	3.18E-09
495561.06, 3859951.99	0.02955	0.0059855	1.89E-06	1.78E-07	1.08E-04	3.40E-08	3.21E-09
495611.06, 3859951.99	0.0294	0.0059551	1.88E-06	1.77E-07	1.07E-04	3.38E-08	3.19E-09
495661.06, 3859951.99	0.02915	0.0059044	1.86E-06	1.76E-07	1.06E-04	3.36E-08	3.16E-09
494311.06, 3860001.99	0.03069	0.0062164	1.96E-06	1.85E-07	1.12E-04	3.53E-08	3.33E-09
494361.06, 3860001.99	0.03074	0.0062265	1.97E-06	1.85E-07	1.12E-04	3.54E-08	3.34E-09
494411.06, 3860001.99	0.03039	0.0061556	1.94E-06	1.83E-07	1.11E-04	3.50E-08	3.30E-09
494461.06, 3860001.99	0.03071	0.0062204	1.96E-06	1.85E-07	1.12E-04	3.53E-08	3.33E-09
494511.06, 3860001.99	0.03062	0.0062022	1.96E-06	1.85E-07	1.12E-04	3.52E-08	3.32E-09
494561.06, 3860001.99	0.03226	0.0065344	2.06E-06	1.94E-07	1.18E-04	3.71E-08	3.50E-09
494611.06, 3860001.99	0.03204	0.0064898	2.05E-06	1.93E-07	1.17E-04	3.69E-08	3.48E-09
494661.06, 3860001.99	0.03237	0.0065567	2.07E-06	1.95E-07	1.18E-04	3.73E-08	3.51E-09
494711.06, 3860001.99	0.03123	0.0063257	2.00E-06	1.88E-07	1.14E-04	3.59E-08	3.39E-09
494761.06, 3860001.99	0.03222	0.0065263	2.06E-06	1.94E-07	1.17E-04	3.71E-08	3.50E-09
494811.06, 3860001.99	0.0326	0.0066032	2.08E-06	1.97E-07	1.19E-04	3.75E-08	3.54E-09
494861.06, 3860001.99	0.03309	0.0067025	2.12E-06	1.99E-07	1.21E-04	3.81E-08	3.59E-09
494911.06, 3860001.99	0.03186	0.0064534	2.04E-06	1.92E-07	1.16E-04	3.67E-08	3.46E-09
494961.06, 3860001.99	0.03233	0.0065486	2.07E-06	1.95E-07	1.18E-04	3.72E-08	3.51E-09
495011.06, 3860001.99	0.03222	0.0065263	2.06E-06	1.94E-07	1.17E-04	3.71E-08	3.50E-09
495061.06, 3860001.99	0.03264	0.0066113	2.09E-06	1.97E-07	1.19E-04	3.76E-08	3.54E-09
495111.06, 3860001.99	0.03248	0.0065789	2.08E-06	1.96E-07	1.18E-04	3.74E-08	3.52E-09
495161.06, 3860001.99	0.03235	0.0065526	2.07E-06	1.95E-07	1.18E-04	3.72E-08	3.51E-09
495211.06, 3860001.99	0.0327	0.0066235	2.09E-06	1.97E-07	1.19E-04	3.76E-08	3.55E-09
495261.06, 3860001.99	0.03259	0.0066012	2.08E-06	1.96E-07	1.19E-04	3.75E-08	3.54E-09
495311.06, 3860001.99	0.03267	0.0066174	2.09E-06	1.97E-07	1.19E-04	3.76E-08	3.55E-09
495361.06, 3860001.99	0.03217	0.0065161	2.06E-06	1.94E-07	1.17E-04	3.70E-08	3.49E-09
495411.06, 3860001.99	0.03257	0.0065972	2.08E-06	1.96E-07	1.19E-04	3.75E-08	3.53E-09
495461.06, 3860001.99	0.03252	0.006587	2.08E-06	1.96E-07	1.19E-04	3.74E-08	3.53E-09
495511.06, 3860001.99	0.03249	0.006581	2.08E-06	1.96E-07	1.18E-04	3.74E-08	3.53E-09
495561.06, 3860001.99	0.03269	0.0066215	2.09E-06	1.97E-07	1.19E-04	3.76E-08	3.55E-09
495611.06, 3860001.99	0.03243	0.0065688	2.07E-06	1.95E-07	1.18E-04	3.73E-08	3.52E-09
495661.06, 3860001.99	0.03223	0.0065283	2.06E-06	1.94E-07	1.18E-04	3.71E-08	3.50E-09
494411.06, 3860051.99	0.03407	0.006901	2.18E-06	2.05E-07	1.24E-04	3.92E-08	3.70E-09
494461.06, 3860051.99	0.03408	0.006903	2.18E-06	2.05E-07	1.24E-04	3.92E-08	3.70E-09
494511.06, 3860051.99	0.03417	0.0069213	2.18E-06	2.06E-07	1.25E-04	3.93E-08	3.71E-09
494561.06, 3860051.99	0.03527	0.0071441	2.25E-06	2.13E-07	1.29E-04	4.06E-08	3.83E-09
494611.06, 3860051.99	0.0358	0.0072514	2.29E-06	2.16E-07	1.31E-04	4.12E-08	3.88E-09
494661.06, 3860051.99	0.03618	0.0073284	2.31E-06	2.18E-07	1.32E-04	4.16E-08	3.93E-09
494711.06, 3860051.99	0.0355	0.0071907	2.27E-06	2.14E-07	1.29E-04	4.09E-08	3.85E-09

494761.06, 3860051.99	0.03592	0.0072757	2.30E-06	2.17E-07	1.31E-04	4.13E-08	3.90E-09
494811.06, 3860051.99	0.03676	0.0074459	2.35E-06	2.22E-07	1.34E-04	4.23E-08	3.99E-09
494861.06, 3860051.99	0.03746	0.0075877	2.39E-06	2.26E-07	1.37E-04	4.31E-08	4.07E-09
494911.06, 3860051.99	0.03695	0.0074844	2.36E-06	2.23E-07	1.35E-04	4.25E-08	4.01E-09
494961.06, 3860051.99	0.03641	0.007375	2.33E-06	2.19E-07	1.33E-04	4.19E-08	3.95E-09
495011.06, 3860051.99	0.03613	0.0073183	2.31E-06	2.18E-07	1.32E-04	4.16E-08	3.92E-09
495061.06, 3860051.99	0.03612	0.0073162	2.31E-06	2.18E-07	1.32E-04	4.16E-08	3.92E-09
495111.06, 3860051.99	0.03575	0.0072413	2.29E-06	2.15E-07	1.30E-04	4.11E-08	3.88E-09
495161.06, 3860051.99	0.03579	0.0072494	2.29E-06	2.16E-07	1.31E-04	4.12E-08	3.88E-09
495211.06, 3860051.99	0.03565	0.007221	2.28E-06	2.15E-07	1.30E-04	4.10E-08	3.87E-09
495261.06, 3860051.99	0.03584	0.0072595	2.29E-06	2.16E-07	1.31E-04	4.12E-08	3.89E-09
495311.06, 3860051.99	0.03613	0.0073183	2.31E-06	2.18E-07	1.32E-04	4.16E-08	3.92E-09
495361.06, 3860051.99	0.03624	0.0073405	2.32E-06	2.18E-07	1.32E-04	4.17E-08	3.93E-09
495411.06, 3860051.99	0.03624	0.0073405	2.32E-06	2.18E-07	1.32E-04	4.17E-08	3.93E-09
495461.06, 3860051.99	0.03611	0.0073142	2.31E-06	2.18E-07	1.32E-04	4.16E-08	3.92E-09
495511.06, 3860051.99	0.03624	0.0073405	2.32E-06	2.18E-07	1.32E-04	4.17E-08	3.93E-09
495561.06, 3860051.99	0.03619	0.0073304	2.31E-06	2.18E-07	1.32E-04	4.17E-08	3.93E-09
495611.06, 3860051.99	0.03601	0.007294	2.30E-06	2.17E-07	1.31E-04	4.14E-08	3.91E-09
495661.06, 3860051.99	0.03562	0.007215	2.28E-06	2.15E-07	1.30E-04	4.10E-08	3.87E-09
494411.06, 3860101.99	0.03725	0.0075451	2.38E-06	2.25E-07	1.36E-04	4.29E-08	4.04E-09
494461.06, 3860101.99	0.03831	0.0077598	2.45E-06	2.31E-07	1.40E-04	4.41E-08	4.16E-09
494511.06, 3860101.99	0.03773	0.0076423	2.41E-06	2.27E-07	1.38E-04	4.34E-08	4.09E-09
494561.06, 3860101.99	0.03834	0.0077659	2.45E-06	2.31E-07	1.40E-04	4.41E-08	4.16E-09
494611.06, 3860101.99	0.03966	0.0080333	2.54E-06	2.39E-07	1.45E-04	4.56E-08	4.30E-09
494661.06, 3860101.99	0.04028	0.0081589	2.58E-06	2.43E-07	1.47E-04	4.64E-08	4.37E-09
494711.06, 3860101.99	0.03968	0.0080373	2.54E-06	2.39E-07	1.45E-04	4.57E-08	4.31E-09
494761.06, 3860101.99	0.04011	0.0081244	2.56E-06	2.42E-07	1.46E-04	4.62E-08	4.35E-09
494811.06, 3860101.99	0.0406	0.0082237	2.60E-06	2.45E-07	1.48E-04	4.67E-08	4.41E-09
494861.06, 3860101.99	0.0413	0.0083655	2.64E-06	2.49E-07	1.51E-04	4.75E-08	4.48E-09
494911.06, 3860101.99	0.04022	0.0081467	2.57E-06	2.42E-07	1.47E-04	4.63E-08	4.36E-09
494961.06, 3860101.99	0.04045	0.0081933	2.59E-06	2.44E-07	1.48E-04	4.66E-08	4.39E-09
495011.06, 3860101.99	0.04013	0.0081285	2.57E-06	2.42E-07	1.46E-04	4.62E-08	4.35E-09
495061.06, 3860101.99	0.03994	0.00809	2.55E-06	2.41E-07	1.46E-04	4.60E-08	4.33E-09
495111.06, 3860101.99	0.03943	0.0079867	2.52E-06	2.38E-07	1.44E-04	4.54E-08	4.28E-09
495161.06, 3860101.99	0.03977	0.0080556	2.54E-06	2.40E-07	1.45E-04	4.58E-08	4.32E-09
495211.06, 3860101.99	0.03981	0.0080637	2.55E-06	2.40E-07	1.45E-04	4.58E-08	4.32E-09
495261.06, 3860101.99	0.0398	0.0080616	2.54E-06	2.40E-07	1.45E-04	4.58E-08	4.32E-09
495311.06, 3860101.99	0.03994	0.00809	2.55E-06	2.41E-07	1.46E-04	4.60E-08	4.33E-09
495361.06, 3860101.99	0.04033	0.008169	2.58E-06	2.43E-07	1.47E-04	4.64E-08	4.38E-09
495411.06, 3860101.99	0.04026	0.0081548	2.57E-06	2.43E-07	1.47E-04	4.63E-08	4.37E-09
495461.06, 3860101.99	0.03972	0.0080454	2.54E-06	2.39E-07	1.45E-04	4.57E-08	4.31E-09
495511.06, 3860101.99	0.04004	0.0081102	2.56E-06	2.41E-07	1.46E-04	4.61E-08	4.35E-09
495561.06, 3860101.99	0.04032	0.008167	2.58E-06	2.43E-07	1.47E-04	4.64E-08	4.38E-09
495611.06, 3860101.99	0.03976	0.0080535	2.54E-06	2.40E-07	1.45E-04	4.58E-08	4.31E-09
495661.06, 3860101.99	0.03974	0.0080495	2.54E-06	2.40E-07	1.45E-04	4.57E-08	4.31E-09
494861.06, 3860151.99	0.04659	0.009437	2.98E-06	2.81E-07	1.70E-04	5.36E-08	5.06E-09
494911.06, 3860151.99	0.04557	0.0092304	2.91E-06	2.75E-07	1.66E-04	5.24E-08	4.95E-09
494961.06, 3860151.99	0.04531	0.0091777	2.90E-06	2.73E-07	1.65E-04	5.21E-08	4.92E-09
495011.06, 3860151.99	0.0449	0.0090947	2.87E-06	2.71E-07	1.64E-04	5.17E-08	4.87E-09
495061.06, 3860151.99	0.04455	0.0090238	2.85E-06	2.69E-07	1.62E-04	5.13E-08	4.83E-09
495111.06, 3860151.99	0.04455	0.0090238	2.85E-06	2.69E-07	1.62E-04	5.13E-08	4.83E-09
495161.06, 3860151.99	0.04467	0.0090481	2.86E-06	2.69E-07	1.63E-04	5.14E-08	4.85E-09
495211.06, 3860151.99	0.04456	0.0090258	2.85E-06	2.69E-07	1.62E-04	5.13E-08	4.84E-09
495261.06, 3860151.99	0.04474	0.0090622	2.86E-06	2.70E-07	1.63E-04	5.15E-08	4.86E-09
495311.06, 3860151.99	0.04486	0.0090866	2.87E-06	2.70E-07	1.64E-04	5.16E-08	4.87E-09
495361.06, 3860151.99	0.04506	0.0091271	2.88E-06	2.72E-07	1.64E-04	5.19E-08	4.89E-09
495411.06, 3860151.99	0.04501	0.0091169	2.88E-06	2.71E-07	1.64E-04	5.18E-08	4.88E-09
495461.06, 3860151.99	0.04497	0.0091088	2.87E-06	2.71E-07	1.64E-04	5.18E-08	4.88E-09
495511.06, 3860151.99	0.04466	0.009046	2.86E-06	2.69E-07	1.63E-04	5.14E-08	4.85E-09
495561.06, 3860151.99	0.04477	0.0090683	2.86E-06	2.70E-07	1.63E-04	5.15E-08	4.86E-09

495611.06, 3860151.99	0.04452	0.0090177	2.85E-06	2.68E-07	1.62E-04	5.12E-08	4.83E-09
495661.06, 3860151.99	0.04415	0.0089427	2.82E-06	2.66E-07	1.61E-04	5.08E-08	4.79E-09
495718.25, 3859442.96	0.01283	0.0025988	8.20E-07	7.73E-08	4.68E-05	1.48E-08	1.39E-09
495818.25, 3859442.96	0.01286	0.0026048	8.22E-07	7.75E-08	4.69E-05	1.48E-08	1.40E-09
495918.25, 3859442.96	0.01296	0.0026251	8.29E-07	7.81E-08	4.73E-05	1.49E-08	1.41E-09
496018.25, 3859442.96	0.01311	0.0026555	8.38E-07	7.90E-08	4.78E-05	1.51E-08	1.42E-09
496118.25, 3859442.96	0.01347	0.0027284	8.61E-07	8.12E-08	4.91E-05	1.55E-08	1.46E-09
496218.25, 3859442.96	0.01385	0.0028054	8.85E-07	8.35E-08	5.05E-05	1.59E-08	1.50E-09
496318.25, 3859442.96	0.01411	0.002858	9.02E-07	8.50E-08	5.15E-05	1.62E-08	1.53E-09
496418.25, 3859442.96	0.0144	0.0029168	9.21E-07	8.68E-08	5.25E-05	1.66E-08	1.56E-09
495718.25, 3859542.96	0.01481	0.0029998	9.47E-07	8.93E-08	5.40E-05	1.70E-08	1.61E-09
495818.25, 3859542.96	0.01489	0.003016	9.52E-07	8.98E-08	5.43E-05	1.71E-08	1.62E-09
495918.25, 3859542.96	0.01494	0.0030262	9.55E-07	9.01E-08	5.45E-05	1.72E-08	1.62E-09
496018.25, 3859542.96	0.01506	0.0030505	9.63E-07	9.08E-08	5.49E-05	1.73E-08	1.63E-09
496118.25, 3859542.96	0.01549	0.0031376	9.90E-07	9.34E-08	5.65E-05	1.78E-08	1.68E-09
496218.25, 3859542.96	0.0159	0.0032206	1.02E-06	9.58E-08	5.80E-05	1.83E-08	1.73E-09
496318.25, 3859542.96	0.01631	0.0033036	1.04E-06	9.83E-08	5.95E-05	1.88E-08	1.77E-09
496418.25, 3859542.96	0.01658	0.0033583	1.06E-06	9.99E-08	6.05E-05	1.91E-08	1.80E-09
495718.25, 3859642.96	0.01716	0.0034758	1.10E-06	1.03E-07	6.26E-05	1.98E-08	1.86E-09
495818.25, 3859642.96	0.01719	0.0034819	1.10E-06	1.04E-07	6.27E-05	1.98E-08	1.87E-09
495918.25, 3859642.96	0.01734	0.0035123	1.11E-06	1.05E-07	6.32E-05	2.00E-08	1.88E-09
496018.25, 3859642.96	0.01746	0.0035366	1.12E-06	1.05E-07	6.37E-05	2.01E-08	1.89E-09
496118.25, 3859642.96	0.01803	0.003652	1.15E-06	1.09E-07	6.57E-05	2.08E-08	1.96E-09
496218.25, 3859642.96	0.01859	0.0037655	1.19E-06	1.12E-07	6.78E-05	2.14E-08	2.02E-09
496318.25, 3859642.96	0.01891	0.0038303	1.21E-06	1.14E-07	6.90E-05	2.18E-08	2.05E-09
496418.25, 3859642.96	0.01862	0.0037715	1.19E-06	1.12E-07	6.79E-05	2.14E-08	2.02E-09
495718.25, 3859742.96	0.02026	0.0041037	1.30E-06	1.22E-07	7.39E-05	2.33E-08	2.20E-09
495818.25, 3859742.96	0.02018	0.0040875	1.29E-06	1.22E-07	7.36E-05	2.32E-08	2.19E-09
495918.25, 3859742.96	0.02027	0.0041058	1.30E-06	1.22E-07	7.39E-05	2.33E-08	2.20E-09
496018.25, 3859742.96	0.02036	0.004124	1.30E-06	1.23E-07	7.42E-05	2.34E-08	2.21E-09
496118.25, 3859742.96	0.02101	0.0042557	1.34E-06	1.27E-07	7.66E-05	2.42E-08	2.28E-09
496218.25, 3859742.96	0.02188	0.0044319	1.40E-06	1.32E-07	7.98E-05	2.52E-08	2.37E-09
496318.25, 3859742.96	0.02154	0.004363	1.38E-06	1.30E-07	7.85E-05	2.48E-08	2.34E-09
496418.25, 3859742.96	0.02099	0.0042516	1.34E-06	1.27E-07	7.65E-05	2.42E-08	2.28E-09
495718.25, 3859842.96	0.02402	0.0048653	1.54E-06	1.45E-07	8.76E-05	2.76E-08	2.61E-09
495818.25, 3859842.96	0.02403	0.0048674	1.54E-06	1.45E-07	8.76E-05	2.77E-08	2.61E-09
495918.25, 3859842.96	0.02407	0.0048755	1.54E-06	1.45E-07	8.78E-05	2.77E-08	2.61E-09
496018.25, 3859842.96	0.0244	0.0049423	1.56E-06	1.47E-07	8.90E-05	2.81E-08	2.65E-09
496118.25, 3859842.96	0.025	0.0050638	1.60E-06	1.51E-07	9.12E-05	2.88E-08	2.71E-09
496218.25, 3859842.96	0.025	0.0050638	1.60E-06	1.51E-07	9.12E-05	2.88E-08	2.71E-09
496318.25, 3859842.96	0.02372	0.0048046	1.52E-06	1.43E-07	8.65E-05	2.73E-08	2.57E-09
496418.25, 3859842.96	0.0234	0.0047398	1.50E-06	1.41E-07	8.53E-05	2.69E-08	2.54E-09
495718.25, 3859942.96	0.02876	0.0058254	1.84E-06	1.73E-07	1.05E-04	3.31E-08	3.12E-09
495818.25, 3859942.96	0.02868	0.0058092	1.83E-06	1.73E-07	1.05E-04	3.30E-08	3.11E-09
495918.25, 3859942.96	0.02893	0.0058599	1.85E-06	1.74E-07	1.05E-04	3.33E-08	3.14E-09
496018.25, 3859942.96	0.02997	0.0060705	1.92E-06	1.81E-07	1.09E-04	3.45E-08	3.25E-09
496118.25, 3859942.96	0.02941	0.0059571	1.88E-06	1.77E-07	1.07E-04	3.38E-08	3.19E-09
496218.25, 3859942.96	0.02828	0.0057282	1.81E-06	1.70E-07	1.03E-04	3.25E-08	3.07E-09
496318.25, 3859942.96	0.02752	0.0055743	1.76E-06	1.66E-07	1.00E-04	3.17E-08	2.99E-09
496418.25, 3859942.96	0.02664	0.005396	1.70E-06	1.61E-07	9.71E-05	3.07E-08	2.89E-09
496856.82, 3858864.83	0.00798	0.0016164	5.10E-07	4.81E-08	2.91E-05	9.18E-09	8.66E-10
496956.82, 3858864.83	0.0082	0.0016609	5.24E-07	4.94E-08	2.99E-05	9.44E-09	8.90E-10
497056.82, 3858864.83	0.00846	0.0017136	5.41E-07	5.10E-08	3.09E-05	9.74E-09	9.18E-10
497156.82, 3858864.83	0.00872	0.0017663	5.57E-07	5.26E-08	3.18E-05	1.00E-08	9.46E-10
497256.82, 3858864.83	0.00903	0.0018291	5.77E-07	5.44E-08	3.29E-05	1.04E-08	9.80E-10
496856.82, 3858964.83	0.00892	0.0018068	5.70E-07	5.38E-08	3.25E-05	1.03E-08	9.68E-10
496956.82, 3858964.83	0.00915	0.0018534	5.85E-07	5.52E-08	3.34E-05	1.05E-08	9.93E-10
497056.82, 3858964.83	0.00943	0.0019101	6.03E-07	5.68E-08	3.44E-05	1.09E-08	1.02E-09
497156.82, 3858964.83	0.00971	0.0019668	6.21E-07	5.85E-08	3.54E-05	1.12E-08	1.05E-09
497256.82, 3858964.83	0.01012	0.0020498	6.47E-07	6.10E-08	3.69E-05	1.16E-08	1.10E-09

496856.82, 3859064.83	0.00994	0.0020134	6.35E-07	5.99E-08	3.62E-05	1.14E-08	1.08E-09
496956.82, 3859064.83	0.01022	0.0020701	6.53E-07	6.16E-08	3.73E-05	1.18E-08	1.11E-09
497056.82, 3859064.83	0.01053	0.0021329	6.73E-07	6.35E-08	3.84E-05	1.21E-08	1.14E-09
497156.82, 3859064.83	0.01086	0.0021997	6.94E-07	6.55E-08	3.96E-05	1.25E-08	1.18E-09
497256.82, 3859064.83	0.01138	0.0023051	7.28E-07	6.86E-08	4.15E-05	1.31E-08	1.23E-09
496856.82, 3859164.83	0.01106	0.0022402	7.07E-07	6.67E-08	4.03E-05	1.27E-08	1.20E-09
496956.82, 3859164.83	0.01135	0.002299	7.26E-07	6.84E-08	4.14E-05	1.31E-08	1.23E-09
497056.82, 3859164.83	0.01172	0.0023739	7.49E-07	7.06E-08	4.27E-05	1.35E-08	1.27E-09
497156.82, 3859164.83	0.01221	0.0024732	7.81E-07	7.36E-08	4.45E-05	1.41E-08	1.33E-09
497256.82, 3859164.83	0.01287	0.0026069	8.23E-07	7.76E-08	4.69E-05	1.48E-08	1.40E-09
496856.82, 3859264.83	0.01228	0.0024874	7.85E-07	7.40E-08	4.48E-05	1.41E-08	1.33E-09
496956.82, 3859264.83	0.0127	0.0025724	8.12E-07	7.66E-08	4.63E-05	1.46E-08	1.38E-09
497056.82, 3859264.83	0.01324	0.0026818	8.46E-07	7.98E-08	4.83E-05	1.52E-08	1.44E-09
497156.82, 3859264.83	0.01381	0.0027973	8.83E-07	8.32E-08	5.04E-05	1.59E-08	1.50E-09
497256.82, 3859264.83	0.01454	0.0029451	9.30E-07	8.76E-08	5.30E-05	1.67E-08	1.58E-09
497088.92, 3858620.93	0.0065	0.0013166	4.16E-07	3.92E-08	2.37E-05	7.48E-09	7.05E-10
497138.92, 3858620.93	0.00661	0.0013389	4.23E-07	3.98E-08	2.41E-05	7.61E-09	7.17E-10
497188.92, 3858620.93	0.00677	0.0013713	4.33E-07	4.08E-08	2.47E-05	7.79E-09	7.35E-10
497238.92, 3858620.93	0.00689	0.0013956	4.40E-07	4.15E-08	2.51E-05	7.93E-09	7.48E-10
497088.92, 3858670.93	0.00687	0.0013915	4.39E-07	4.14E-08	2.51E-05	7.91E-09	7.46E-10
497138.92, 3858670.93	0.00701	0.0014199	4.48E-07	4.23E-08	2.56E-05	8.07E-09	7.61E-10
497188.92, 3858670.93	0.00712	0.0014422	4.55E-07	4.29E-08	2.60E-05	8.19E-09	7.73E-10
497238.92, 3858670.93	0.00726	0.0014705	4.64E-07	4.38E-08	2.65E-05	8.36E-09	7.88E-10
497088.92, 3858720.93	0.00727	0.0014726	4.65E-07	4.38E-08	2.65E-05	8.37E-09	7.89E-10
497138.92, 3858720.93	0.00734	0.0014867	4.69E-07	4.42E-08	2.68E-05	8.45E-09	7.97E-10
497188.92, 3858720.93	0.00746	0.001511	4.77E-07	4.50E-08	2.72E-05	8.59E-09	8.10E-10
497238.92, 3858720.93	0.00766	0.0015516	4.90E-07	4.62E-08	2.79E-05	8.82E-09	8.31E-10
497088.92, 3858770.93	0.00765	0.0015495	4.89E-07	4.61E-08	2.79E-05	8.80E-09	8.30E-10
497138.92, 3858770.93	0.00777	0.0015738	4.97E-07	4.68E-08	2.83E-05	8.94E-09	8.43E-10
497188.92, 3858770.93	0.00785	0.00159	5.02E-07	4.73E-08	2.86E-05	9.03E-09	8.52E-10
497238.92, 3858770.93	0.00808	0.0016366	5.17E-07	4.87E-08	2.95E-05	9.30E-09	8.77E-10
497396.65, 3858622.63	0.00748	0.0015151	4.78E-07	4.51E-08	2.73E-05	8.61E-09	8.12E-10
497496.65, 3858622.63	0.00786	0.0015921	5.02E-07	4.74E-08	2.87E-05	9.05E-09	8.53E-10
497596.65, 3858622.63	0.00828	0.0016771	5.29E-07	4.99E-08	3.02E-05	9.53E-09	8.99E-10
497696.65, 3858622.63	0.0087	0.0017622	5.56E-07	5.24E-08	3.17E-05	1.00E-08	9.44E-10
497796.65, 3858622.63	0.00916	0.0018554	5.86E-07	5.52E-08	3.34E-05	1.05E-08	9.94E-10
497896.65, 3858622.63	0.00966	0.0019567	6.18E-07	5.82E-08	3.52E-05	1.11E-08	1.05E-09
497396.65, 3858722.63	0.00833	0.0016873	5.33E-07	5.02E-08	3.04E-05	9.59E-09	9.04E-10
497496.65, 3858722.63	0.00873	0.0017683	5.58E-07	5.26E-08	3.18E-05	1.00E-08	9.47E-10
497596.65, 3858722.63	0.00924	0.0018716	5.91E-07	5.57E-08	3.37E-05	1.06E-08	1.00E-09
497696.65, 3858722.63	0.00971	0.0019668	6.21E-07	5.85E-08	3.54E-05	1.12E-08	1.05E-09
497796.65, 3858722.63	0.01017	0.00206	6.50E-07	6.13E-08	3.71E-05	1.17E-08	1.10E-09
497896.65, 3858722.63	0.01069	0.0021653	6.83E-07	6.44E-08	3.90E-05	1.23E-08	1.16E-09
497396.65, 3858822.63	0.00923	0.0018696	5.90E-07	5.56E-08	3.37E-05	1.06E-08	1.00E-09
497496.65, 3858822.63	0.00966	0.0019567	6.18E-07	5.82E-08	3.52E-05	1.11E-08	1.05E-09
497596.65, 3858822.63	0.01017	0.00206	6.50E-07	6.13E-08	3.71E-05	1.17E-08	1.10E-09
497696.65, 3858822.63	0.01078	0.0021835	6.89E-07	6.50E-08	3.93E-05	1.24E-08	1.17E-09
497796.65, 3858822.63	0.01122	0.0022727	7.17E-07	6.76E-08	4.09E-05	1.29E-08	1.22E-09
497896.65, 3858822.63	0.01197	0.0024246	7.65E-07	7.22E-08	4.37E-05	1.38E-08	1.30E-09
497396.65, 3858922.63	0.01027	0.0020802	6.57E-07	6.19E-08	3.75E-05	1.18E-08	1.11E-09
497496.65, 3858922.63	0.01087	0.0022018	6.95E-07	6.55E-08	3.96E-05	1.25E-08	1.18E-09
497596.65, 3858922.63	0.01131	0.0022909	7.23E-07	6.82E-08	4.12E-05	1.30E-08	1.23E-09
497696.65, 3858922.63	0.01193	0.0024165	7.63E-07	7.19E-08	4.35E-05	1.37E-08	1.29E-09
497796.65, 3858922.63	0.01273	0.0025785	8.14E-07	7.67E-08	4.64E-05	1.47E-08	1.38E-09
497896.65, 3858922.63	0.01343	0.0027203	8.59E-07	8.10E-08	4.90E-05	1.55E-08	1.46E-09
497364.44, 3858201.52	0.00498	0.0010087	3.18E-07	3.00E-08	1.82E-05	5.73E-09	5.40E-10
497414.44, 3858201.52	0.00504	0.0010209	3.22E-07	3.04E-08	1.84E-05	5.80E-09	5.47E-10
497464.44, 3858201.52	0.00515	0.0010432	3.29E-07	3.10E-08	1.88E-05	5.93E-09	5.59E-10
497514.44, 3858201.52	0.0053	0.0010735	3.39E-07	3.19E-08	1.93E-05	6.10E-09	5.75E-10
497564.44, 3858201.52	0.0054	0.0010938	3.45E-07	3.25E-08	1.97E-05	6.22E-09	5.86E-10

497614.44, 3858201.52	0.00552	0.0011181	3.53E-07	3.33E-08	2.01E-05	6.35E-09	5.99E-10
497364.44, 3858251.52	0.00521	0.0010553	3.33E-07	3.14E-08	1.90E-05	6.00E-09	5.65E-10
497414.44, 3858251.52	0.00533	0.0010796	3.41E-07	3.21E-08	1.94E-05	6.13E-09	5.78E-10
497464.44, 3858251.52	0.00542	0.0010978	3.46E-07	3.27E-08	1.98E-05	6.24E-09	5.88E-10
497514.44, 3858251.52	0.0055	0.001114	3.52E-07	3.32E-08	2.01E-05	6.33E-09	5.97E-10
497564.44, 3858251.52	0.00561	0.0011363	3.59E-07	3.38E-08	2.05E-05	6.46E-09	6.09E-10
497614.44, 3858251.52	0.00573	0.0011606	3.66E-07	3.45E-08	2.09E-05	6.59E-09	6.22E-10
497364.44, 3858301.52	0.00542	0.0010978	3.46E-07	3.27E-08	1.98E-05	6.24E-09	5.88E-10
497414.44, 3858301.52	0.00556	0.0011262	3.55E-07	3.35E-08	2.03E-05	6.40E-09	6.03E-10
497464.44, 3858301.52	0.00564	0.0011424	3.61E-07	3.40E-08	2.06E-05	6.49E-09	6.12E-10
497514.44, 3858301.52	0.00574	0.0011627	3.67E-07	3.46E-08	2.09E-05	6.61E-09	6.23E-10
497564.44, 3858301.52	0.00584	0.0011829	3.73E-07	3.52E-08	2.13E-05	6.72E-09	6.34E-10
497614.44, 3858301.52	0.00596	0.0012072	3.81E-07	3.59E-08	2.17E-05	6.86E-09	6.47E-10
497364.44, 3858351.52	0.00569	0.0011525	3.64E-07	3.43E-08	2.07E-05	6.55E-09	6.17E-10
497414.44, 3858351.52	0.00578	0.0011708	3.70E-07	3.48E-08	2.11E-05	6.65E-09	6.27E-10
497464.44, 3858351.52	0.00589	0.001193	3.77E-07	3.55E-08	2.15E-05	6.78E-09	6.39E-10
497514.44, 3858351.52	0.006	0.0012153	3.84E-07	3.62E-08	2.19E-05	6.91E-09	6.51E-10
497564.44, 3858351.52	0.0061	0.0012356	3.90E-07	3.68E-08	2.22E-05	7.02E-09	6.62E-10
497614.44, 3858351.52	0.00622	0.0012599	3.98E-07	3.75E-08	2.27E-05	7.16E-09	6.75E-10
497364.44, 3858401.52	0.00587	0.001189	3.75E-07	3.54E-08	2.14E-05	6.76E-09	6.37E-10
497414.44, 3858401.52	0.00603	0.0012214	3.85E-07	3.63E-08	2.20E-05	6.94E-09	6.54E-10
497464.44, 3858401.52	0.00614	0.0012437	3.93E-07	3.70E-08	2.24E-05	7.07E-09	6.66E-10
497514.44, 3858401.52	0.00626	0.001268	4.00E-07	3.77E-08	2.28E-05	7.20E-09	6.79E-10
497564.44, 3858401.52	0.00643	0.0013024	4.11E-07	3.88E-08	2.34E-05	7.40E-09	6.98E-10
497614.44, 3858401.52	0.00654	0.0013247	4.18E-07	3.94E-08	2.38E-05	7.53E-09	7.10E-10
493478.11, 3860497.94	0.11291	0.0228703	7.22E-06	6.81E-07	4.12E-04	1.30E-07	1.23E-08
493528.11, 3860497.94	0.11557	0.0234091	7.39E-06	6.97E-07	4.21E-04	1.33E-07	1.25E-08
493478.11, 3860547.94	0.13422	0.0271867	8.58E-06	8.09E-07	4.89E-04	1.54E-07	1.46E-08
493528.11, 3860547.94	0.13835	0.0280233	8.84E-06	8.34E-07	5.05E-04	1.59E-07	1.50E-08
493478.11, 3860597.94	0.15997	0.0324025	1.02E-05	9.64E-07	5.83E-04	1.84E-07	1.74E-08
493528.11, 3860597.94	0.16497	0.0334153	1.05E-05	9.94E-07	6.02E-04	1.90E-07	1.79E-08
493561.88, 3860524.64	0.12826	0.0259795	8.20E-06	7.73E-07	4.68E-04	1.48E-07	1.39E-08
493591.88, 3860524.64	0.12792	0.0259107	8.18E-06	7.71E-07	4.66E-04	1.47E-07	1.39E-08
493561.88, 3860554.64	0.14325	0.0290158	9.16E-06	8.63E-07	5.22E-04	1.65E-07	1.55E-08
493591.88, 3860554.64	0.14139	0.0286391	9.04E-06	8.52E-07	5.16E-04	1.63E-07	1.53E-08
492880.5, 3860293.11	0.06024	0.0122018	3.85E-06	3.63E-07	2.20E-04	6.93E-08	6.54E-09
492930.5, 3860293.11	0.05924	0.0119993	3.79E-06	3.57E-07	2.16E-04	6.82E-08	6.43E-09
492980.5, 3860293.11	0.05817	0.0117825	3.72E-06	3.51E-07	2.12E-04	6.70E-08	6.31E-09
493030.5, 3860293.11	0.04813	0.0097489	3.08E-06	2.90E-07	1.76E-04	5.54E-08	5.22E-09
493080.5, 3860293.11	0.04699	0.009518	3.00E-06	2.83E-07	1.71E-04	5.41E-08	5.10E-09
493130.5, 3860293.11	0.05205	0.0105429	3.33E-06	3.14E-07	1.90E-04	5.99E-08	5.65E-09
493180.5, 3860293.11	0.05673	0.0114909	3.63E-06	3.42E-07	2.07E-04	6.53E-08	6.16E-09
493230.5, 3860293.11	0.05819	0.0117866	3.72E-06	3.51E-07	2.12E-04	6.70E-08	6.31E-09
493280.5, 3860293.11	0.05547	0.0112356	3.55E-06	3.34E-07	2.02E-04	6.38E-08	6.02E-09
493330.5, 3860293.11	0.05484	0.011108	3.51E-06	3.31E-07	2.00E-04	6.31E-08	5.95E-09
493380.5, 3860293.11	0.05511	0.0111627	3.52E-06	3.32E-07	2.01E-04	6.34E-08	5.98E-09
492880.5, 3860343.11	0.06705	0.0135812	4.29E-06	4.04E-07	2.45E-04	7.72E-08	7.28E-09
492930.5, 3860343.11	0.06667	0.0135042	4.26E-06	4.02E-07	2.43E-04	7.67E-08	7.23E-09
492980.5, 3860343.11	0.05942	0.0120357	3.80E-06	3.58E-07	2.17E-04	6.84E-08	6.45E-09
493030.5, 3860343.11	0.05529	0.0111992	3.53E-06	3.33E-07	2.02E-04	6.36E-08	6.00E-09
493080.5, 3860343.11	0.05472	0.0110837	3.50E-06	3.30E-07	2.00E-04	6.30E-08	5.94E-09
493130.5, 3860343.11	0.05766	0.0116792	3.69E-06	3.48E-07	2.10E-04	6.64E-08	6.26E-09
493180.5, 3860343.11	0.06029	0.012212	3.85E-06	3.63E-07	2.20E-04	6.94E-08	6.54E-09
493230.5, 3860343.11	0.06578	0.013324	4.21E-06	3.96E-07	2.40E-04	7.57E-08	7.14E-09
493280.5, 3860343.11	0.06291	0.0127426	4.02E-06	3.79E-07	2.29E-04	7.24E-08	6.83E-09
493330.5, 3860343.11	0.06156	0.0124692	3.94E-06	3.71E-07	2.24E-04	7.09E-08	6.68E-09
493380.5, 3860343.11	0.06214	0.0125867	3.97E-06	3.75E-07	2.27E-04	7.15E-08	6.74E-09
492880.5, 3860393.11	0.07537	0.0152665	4.82E-06	4.54E-07	2.75E-04	8.67E-08	8.18E-09
492930.5, 3860393.11	0.07358	0.0149039	4.70E-06	4.44E-07	2.68E-04	8.47E-08	7.98E-09
492980.5, 3860393.11	0.06593	0.0133544	4.21E-06	3.97E-07	2.40E-04	7.59E-08	7.15E-09

493030.5, 3860393.11	0.06305	0.012771	4.03E-06	3.80E-07	2.30E-04	7.26E-08	6.84E-09
493080.5, 3860393.11	0.0623	0.0126191	3.98E-06	3.76E-07	2.27E-04	7.17E-08	6.76E-09
493130.5, 3860393.11	0.06701	0.0135731	4.28E-06	4.04E-07	2.44E-04	7.71E-08	7.27E-09
493180.5, 3860393.11	0.07406	0.0150011	4.73E-06	4.46E-07	2.70E-04	8.52E-08	8.04E-09
493230.5, 3860393.11	0.07513	0.0152179	4.80E-06	4.53E-07	2.74E-04	8.65E-08	8.15E-09
493280.5, 3860393.11	0.0719	0.0145636	4.60E-06	4.33E-07	2.62E-04	8.28E-08	7.80E-09
493330.5, 3860393.11	0.07057	0.0142942	4.51E-06	4.25E-07	2.57E-04	8.12E-08	7.66E-09
493380.5, 3860393.11	0.0709	0.0143611	4.53E-06	4.27E-07	2.59E-04	8.16E-08	7.69E-09
492880.5, 3860443.11	0.08385	0.0169841	5.36E-06	5.05E-07	3.06E-04	9.65E-08	9.10E-09
492930.5, 3860443.11	0.08512	0.0172414	5.44E-06	5.13E-07	3.10E-04	9.80E-08	9.24E-09
492980.5, 3860443.11	0.07901	0.0160038	5.05E-06	4.76E-07	2.88E-04	9.09E-08	8.57E-09
493030.5, 3860443.11	0.07799	0.0157972	4.99E-06	4.70E-07	2.84E-04	8.98E-08	8.46E-09
493080.5, 3860443.11	0.07481	0.015153	4.78E-06	4.51E-07	2.73E-04	8.61E-08	8.12E-09
493130.5, 3860443.11	0.07541	0.0152746	4.82E-06	4.55E-07	2.75E-04	8.68E-08	8.18E-09
493180.5, 3860443.11	0.0886	0.0179462	5.66E-06	5.34E-07	3.23E-04	1.02E-07	9.61E-09
493230.5, 3860443.11	0.08495	0.0172069	5.43E-06	5.12E-07	3.10E-04	9.78E-08	9.22E-09
493280.5, 3860443.11	0.08425	0.0170651	5.39E-06	5.08E-07	3.07E-04	9.70E-08	9.14E-09
493330.5, 3860443.11	0.08123	0.0164534	5.19E-06	4.90E-07	2.96E-04	9.35E-08	8.81E-09
493380.5, 3860443.11	0.08376	0.0169659	5.35E-06	5.05E-07	3.05E-04	9.64E-08	9.09E-09
493180.5, 3860493.11	0.10035	0.0203263	6.42E-06	6.05E-07	3.66E-04	1.15E-07	1.09E-08
493230.5, 3860493.11	0.09953	0.0201602	6.36E-06	6.00E-07	3.63E-04	1.15E-07	1.08E-08
493280.5, 3860493.11	0.09819	0.0198887	6.28E-06	5.92E-07	3.58E-04	1.13E-07	1.07E-08
493330.5, 3860493.11	0.09837	0.0199252	6.29E-06	5.93E-07	3.59E-04	1.13E-07	1.07E-08
493380.5, 3860493.11	0.10197	0.0206544	6.52E-06	6.15E-07	3.72E-04	1.17E-07	1.11E-08
493330.5, 3860543.11	0.11667	0.0236319	7.46E-06	7.03E-07	4.25E-04	1.34E-07	1.27E-08
493380.5, 3860543.11	0.12171	0.0246528	7.78E-06	7.34E-07	4.44E-04	1.40E-07	1.32E-08
494135.94, 3860876.85	0.42597	0.0862818	2.72E-05	2.57E-06	1.55E-03	4.90E-07	4.62E-08
494185.94, 3860876.85	0.42169	0.0854148	2.70E-05	2.54E-06	1.54E-03	4.85E-07	4.58E-08
494135.94, 3860926.85	0.51668	0.1046554	3.30E-05	3.11E-06	1.88E-03	5.95E-07	5.61E-08
494185.94, 3860926.85	0.50581	0.1024536	3.23E-05	3.05E-06	1.84E-03	5.82E-07	5.49E-08
494135.94, 3860976.85	0.62279	0.1261484	3.98E-05	3.75E-06	2.27E-03	7.17E-07	6.76E-08
494185.94, 3860976.85	0.60622	0.122792	3.88E-05	3.65E-06	2.21E-03	6.98E-07	6.58E-08
494135.94, 3861026.85	0.76018	0.1539772	4.86E-05	4.58E-06	2.77E-03	8.75E-07	8.25E-08
494185.94, 3861026.85	0.7334	0.1485528	4.69E-05	4.42E-06	2.67E-03	8.44E-07	7.96E-08
494135.94, 3861076.85	0.92965	0.188304	5.94E-05	5.60E-06	3.39E-03	1.07E-06	1.01E-07
494185.94, 3861076.85	0.89431	0.1811457	5.72E-05	5.39E-06	3.26E-03	1.03E-06	9.70E-08
490360.04, 3858710.04	0.01589	0.0032186	1.02E-06	9.58E-08	5.79E-05	1.83E-08	1.72E-09
490410.04, 3858710.04	0.01548	0.0031355	9.90E-07	9.33E-08	5.65E-05	1.78E-08	1.68E-09
490460.04, 3858710.04	0.01477	0.0029917	9.44E-07	8.90E-08	5.39E-05	1.70E-08	1.60E-09
490510.04, 3858710.04	0.01441	0.0029188	9.21E-07	8.69E-08	5.25E-05	1.66E-08	1.56E-09
490560.04, 3858710.04	0.01415	0.0028661	9.05E-07	8.53E-08	5.16E-05	1.63E-08	1.54E-09
490610.04, 3858710.04	0.01385	0.0028054	8.85E-07	8.35E-08	5.05E-05	1.59E-08	1.50E-09
490660.04, 3858710.04	0.01381	0.0027973	8.83E-07	8.32E-08	5.04E-05	1.59E-08	1.50E-09
490710.04, 3858710.04	0.01342	0.0027183	8.58E-07	8.09E-08	4.89E-05	1.54E-08	1.46E-09
490760.04, 3858710.04	0.01315	0.0026636	8.41E-07	7.93E-08	4.80E-05	1.51E-08	1.43E-09
490810.04, 3858710.04	0.01293	0.002619	8.27E-07	7.79E-08	4.72E-05	1.49E-08	1.40E-09
490860.04, 3858710.04	0.0126	0.0025522	8.06E-07	7.59E-08	4.59E-05	1.45E-08	1.37E-09
490360.04, 3858760.04	0.01604	0.003249	1.03E-06	9.67E-08	5.85E-05	1.85E-08	1.74E-09
490410.04, 3858760.04	0.0156	0.0031598	9.97E-07	9.40E-08	5.69E-05	1.80E-08	1.69E-09
490460.04, 3858760.04	0.01507	0.0030525	9.63E-07	9.08E-08	5.50E-05	1.73E-08	1.64E-09
490510.04, 3858760.04	0.01453	0.0029431	9.29E-07	8.76E-08	5.30E-05	1.67E-08	1.58E-09
490560.04, 3858760.04	0.01419	0.0028742	9.07E-07	8.55E-08	5.17E-05	1.63E-08	1.54E-09
490610.04, 3858760.04	0.0138	0.0027952	8.82E-07	8.32E-08	5.03E-05	1.59E-08	1.50E-09
490660.04, 3858760.04	0.01349	0.0027324	8.62E-07	8.13E-08	4.92E-05	1.55E-08	1.46E-09
490710.04, 3858760.04	0.01318	0.0026697	8.43E-07	7.94E-08	4.81E-05	1.52E-08	1.43E-09
490760.04, 3858760.04	0.01281	0.0025947	8.19E-07	7.72E-08	4.67E-05	1.47E-08	1.39E-09
490810.04, 3858760.04	0.01252	0.002536	8.00E-07	7.55E-08	4.57E-05	1.44E-08	1.36E-09
490860.04, 3858760.04	0.01234	0.0024995	7.89E-07	7.44E-08	4.50E-05	1.42E-08	1.34E-09
490360.04, 3858810.04	0.01589	0.0032186	1.02E-06	9.58E-08	5.79E-05	1.83E-08	1.72E-09
490410.04, 3858810.04	0.01546	0.0031315	9.88E-07	9.32E-08	5.64E-05	1.78E-08	1.68E-09

490460.04, 3858810.04	0.01501	0.0030403	9.60E-07	9.05E-08	5.47E-05	1.73E-08	1.63E-09
490510.04, 3858810.04	0.01475	0.0029877	9.43E-07	8.89E-08	5.38E-05	1.70E-08	1.60E-09
490560.04, 3858810.04	0.01442	0.0029208	9.22E-07	8.69E-08	5.26E-05	1.66E-08	1.56E-09
490610.04, 3858810.04	0.0139	0.0028155	8.89E-07	8.38E-08	5.07E-05	1.60E-08	1.51E-09
490660.04, 3858810.04	0.01352	0.0027385	8.64E-07	8.15E-08	4.93E-05	1.56E-08	1.47E-09
490710.04, 3858810.04	0.0131	0.0026535	8.37E-07	7.90E-08	4.78E-05	1.51E-08	1.42E-09
490760.04, 3858810.04	0.01256	0.0025441	8.03E-07	7.57E-08	4.58E-05	1.45E-08	1.36E-09
490810.04, 3858810.04	0.01245	0.0025218	7.96E-07	7.50E-08	4.54E-05	1.43E-08	1.35E-09
490860.04, 3858810.04	0.01212	0.0024549	7.75E-07	7.31E-08	4.42E-05	1.39E-08	1.32E-09
490360.04, 3858860.04	0.01548	0.0031355	9.90E-07	9.33E-08	5.65E-05	1.78E-08	1.68E-09
490410.04, 3858860.04	0.01546	0.0031315	9.88E-07	9.32E-08	5.64E-05	1.78E-08	1.68E-09
490460.04, 3858860.04	0.01496	0.0030302	9.56E-07	9.02E-08	5.46E-05	1.72E-08	1.62E-09
490510.04, 3858860.04	0.01492	0.0030221	9.54E-07	8.99E-08	5.44E-05	1.72E-08	1.62E-09
490560.04, 3858860.04	0.0145	0.002937	9.27E-07	8.74E-08	5.29E-05	1.67E-08	1.57E-09
490610.04, 3858860.04	0.01384	0.0028033	8.85E-07	8.34E-08	5.05E-05	1.59E-08	1.50E-09
490660.04, 3858860.04	0.01351	0.0027365	8.64E-07	8.14E-08	4.93E-05	1.55E-08	1.47E-09
490710.04, 3858860.04	0.01329	0.0026919	8.50E-07	8.01E-08	4.85E-05	1.53E-08	1.44E-09
490760.04, 3858860.04	0.01276	0.0025846	8.16E-07	7.69E-08	4.65E-05	1.47E-08	1.38E-09
490810.04, 3858860.04	0.01232	0.0024955	7.88E-07	7.43E-08	4.49E-05	1.42E-08	1.34E-09
490860.04, 3858860.04	0.0119	0.0024104	7.61E-07	7.17E-08	4.34E-05	1.37E-08	1.29E-09
490360.04, 3858910.04	0.01581	0.0032024	1.01E-06	9.53E-08	5.77E-05	1.82E-08	1.72E-09
490410.04, 3858910.04	0.01553	0.0031457	9.93E-07	9.36E-08	5.66E-05	1.79E-08	1.69E-09
490460.04, 3858910.04	0.01519	0.0030768	9.71E-07	9.16E-08	5.54E-05	1.75E-08	1.65E-09
490510.04, 3858910.04	0.01479	0.0029958	9.46E-07	8.91E-08	5.39E-05	1.70E-08	1.60E-09
490560.04, 3858910.04	0.01434	0.0029046	9.17E-07	8.64E-08	5.23E-05	1.65E-08	1.56E-09
490610.04, 3858910.04	0.01386	0.0028074	8.86E-07	8.35E-08	5.05E-05	1.60E-08	1.50E-09
490660.04, 3858910.04	0.01353	0.0027406	8.65E-07	8.16E-08	4.93E-05	1.56E-08	1.47E-09
490710.04, 3858910.04	0.0131	0.0026535	8.37E-07	7.90E-08	4.78E-05	1.51E-08	1.42E-09
490760.04, 3858910.04	0.01257	0.0025461	8.04E-07	7.58E-08	4.58E-05	1.45E-08	1.36E-09
490810.04, 3858910.04	0.01225	0.0024813	7.83E-07	7.38E-08	4.47E-05	1.41E-08	1.33E-09
490860.04, 3858910.04	0.01177	0.0023841	7.52E-07	7.09E-08	4.29E-05	1.35E-08	1.28E-09
490360.04, 3858960.04	0.01569	0.0031781	1.00E-06	9.46E-08	5.72E-05	1.81E-08	1.70E-09
490410.04, 3858960.04	0.01528	0.003095	9.77E-07	9.21E-08	5.57E-05	1.76E-08	1.66E-09
490460.04, 3858960.04	0.01484	0.0030059	9.49E-07	8.94E-08	5.41E-05	1.71E-08	1.61E-09
490510.04, 3858960.04	0.01452	0.0029411	9.28E-07	8.75E-08	5.29E-05	1.67E-08	1.58E-09
490560.04, 3858960.04	0.01418	0.0028722	9.07E-07	8.55E-08	5.17E-05	1.63E-08	1.54E-09
490610.04, 3858960.04	0.01364	0.0027628	8.72E-07	8.22E-08	4.97E-05	1.57E-08	1.48E-09
490660.04, 3858960.04	0.01354	0.0027426	8.66E-07	8.16E-08	4.94E-05	1.56E-08	1.47E-09
490710.04, 3858960.04	0.01301	0.0026352	8.32E-07	7.84E-08	4.74E-05	1.50E-08	1.41E-09
490760.04, 3858960.04	0.01259	0.0025501	8.05E-07	7.59E-08	4.59E-05	1.45E-08	1.37E-09
490810.04, 3858960.04	0.01217	0.0024651	7.78E-07	7.34E-08	4.44E-05	1.40E-08	1.32E-09
490860.04, 3858960.04	0.01166	0.0023618	7.45E-07	7.03E-08	4.25E-05	1.34E-08	1.27E-09
490360.04, 3859010.04	0.01562	0.0031639	9.99E-07	9.42E-08	5.70E-05	1.80E-08	1.70E-09
490410.04, 3859010.04	0.01511	0.0030606	9.66E-07	9.11E-08	5.51E-05	1.74E-08	1.64E-09
490460.04, 3859010.04	0.0145	0.002937	9.27E-07	8.74E-08	5.29E-05	1.67E-08	1.57E-09
490510.04, 3859010.04	0.01397	0.0028297	8.93E-07	8.42E-08	5.09E-05	1.61E-08	1.52E-09
490560.04, 3859010.04	0.01386	0.0028074	8.86E-07	8.35E-08	5.05E-05	1.60E-08	1.50E-09
490610.04, 3859010.04	0.01339	0.0027122	8.56E-07	8.07E-08	4.88E-05	1.54E-08	1.45E-09
490660.04, 3859010.04	0.01335	0.0027041	8.53E-07	8.05E-08	4.87E-05	1.54E-08	1.45E-09
490710.04, 3859010.04	0.01284	0.0026008	8.21E-07	7.74E-08	4.68E-05	1.48E-08	1.39E-09
490760.04, 3859010.04	0.01243	0.0025177	7.95E-07	7.49E-08	4.53E-05	1.43E-08	1.35E-09
490810.04, 3859010.04	0.01201	0.0024327	7.68E-07	7.24E-08	4.38E-05	1.38E-08	1.30E-09
490860.04, 3859010.04	0.01164	0.0023577	7.44E-07	7.02E-08	4.24E-05	1.34E-08	1.26E-09
490360.04, 3859060.04	0.01547	0.0031335	9.89E-07	9.32E-08	5.64E-05	1.78E-08	1.68E-09
490410.04, 3859060.04	0.01468	0.0029735	9.38E-07	8.85E-08	5.35E-05	1.69E-08	1.59E-09
490460.04, 3859060.04	0.01419	0.0028742	9.07E-07	8.55E-08	5.17E-05	1.63E-08	1.54E-09
490510.04, 3859060.04	0.01383	0.0028013	8.84E-07	8.34E-08	5.04E-05	1.59E-08	1.50E-09
490560.04, 3859060.04	0.01336	0.0027061	8.54E-07	8.05E-08	4.87E-05	1.54E-08	1.45E-09
490610.04, 3859060.04	0.01317	0.0026676	8.42E-07	7.94E-08	4.80E-05	1.52E-08	1.43E-09
490660.04, 3859060.04	0.01302	0.0026372	8.32E-07	7.85E-08	4.75E-05	1.50E-08	1.41E-09

490710.04, 3859060.04	0.01256	0.0025441	8.03E-07	7.57E-08	4.58E-05	1.45E-08	1.36E-09
490760.04, 3859060.04	0.01219	0.0024691	7.79E-07	7.35E-08	4.45E-05	1.40E-08	1.32E-09
490810.04, 3859060.04	0.0118	0.0023901	7.54E-07	7.11E-08	4.30E-05	1.36E-08	1.28E-09
490860.04, 3859060.04	0.01146	0.0023213	7.33E-07	6.91E-08	4.18E-05	1.32E-08	1.24E-09
490360.04, 3859110.04	0.0156	0.0031598	9.97E-07	9.40E-08	5.69E-05	1.80E-08	1.69E-09
490410.04, 3859110.04	0.01478	0.0029937	9.45E-07	8.91E-08	5.39E-05	1.70E-08	1.60E-09
490460.04, 3859110.04	0.01439	0.0029147	9.20E-07	8.67E-08	5.25E-05	1.66E-08	1.56E-09
490510.04, 3859110.04	0.01352	0.0027385	8.64E-07	8.15E-08	4.93E-05	1.56E-08	1.47E-09
490560.04, 3859110.04	0.01316	0.0026656	8.41E-07	7.93E-08	4.80E-05	1.51E-08	1.43E-09
490610.04, 3859110.04	0.01277	0.0025866	8.16E-07	7.70E-08	4.66E-05	1.47E-08	1.39E-09
490660.04, 3859110.04	0.01232	0.0024955	7.88E-07	7.43E-08	4.49E-05	1.42E-08	1.34E-09
490710.04, 3859110.04	0.01217	0.0024651	7.78E-07	7.34E-08	4.44E-05	1.40E-08	1.32E-09
490760.04, 3859110.04	0.01188	0.0024063	7.59E-07	7.16E-08	4.33E-05	1.37E-08	1.29E-09
490810.04, 3859110.04	0.0115	0.0023294	7.35E-07	6.93E-08	4.19E-05	1.32E-08	1.25E-09
490860.04, 3859110.04	0.01114	0.0022564	7.12E-07	6.71E-08	4.06E-05	1.28E-08	1.21E-09
490360.04, 3859160.04	0.01589	0.0032186	1.02E-06	9.58E-08	5.79E-05	1.83E-08	1.72E-09
490410.04, 3859160.04	0.01508	0.0030545	9.64E-07	9.09E-08	5.50E-05	1.74E-08	1.64E-09
490460.04, 3859160.04	0.01448	0.002933	9.26E-07	8.73E-08	5.28E-05	1.67E-08	1.57E-09
490510.04, 3859160.04	0.01389	0.0028135	8.88E-07	8.37E-08	5.07E-05	1.60E-08	1.51E-09
490560.04, 3859160.04	0.01319	0.0026717	8.43E-07	7.95E-08	4.81E-05	1.52E-08	1.43E-09
490610.04, 3859160.04	0.01287	0.0026069	8.23E-07	7.76E-08	4.69E-05	1.48E-08	1.40E-09
490660.04, 3859160.04	0.01203	0.0024367	7.69E-07	7.25E-08	4.39E-05	1.38E-08	1.31E-09
490710.04, 3859160.04	0.01185	0.0024003	7.58E-07	7.14E-08	4.32E-05	1.36E-08	1.29E-09
490760.04, 3859160.04	0.01136	0.002301	7.26E-07	6.85E-08	4.14E-05	1.31E-08	1.23E-09
490810.04, 3859160.04	0.01119	0.0022666	7.15E-07	6.74E-08	4.08E-05	1.29E-08	1.21E-09
490860.04, 3859160.04	0.01098	0.002224	7.02E-07	6.62E-08	4.00E-05	1.26E-08	1.19E-09
490360.04, 3859210.04	0.0162	0.0032814	1.04E-06	9.76E-08	5.91E-05	1.86E-08	1.76E-09
490410.04, 3859210.04	0.01584	0.0032084	1.01E-06	9.55E-08	5.78E-05	1.82E-08	1.72E-09
490460.04, 3859210.04	0.01433	0.0029026	9.16E-07	8.64E-08	5.23E-05	1.65E-08	1.56E-09
490510.04, 3859210.04	0.01397	0.0028297	8.93E-07	8.42E-08	5.09E-05	1.61E-08	1.52E-09
490560.04, 3859210.04	0.01362	0.0027588	8.71E-07	8.21E-08	4.97E-05	1.57E-08	1.48E-09
490610.04, 3859210.04	0.01308	0.0026494	8.36E-07	7.88E-08	4.77E-05	1.51E-08	1.42E-09
490660.04, 3859210.04	0.01205	0.0024408	7.70E-07	7.26E-08	4.39E-05	1.39E-08	1.31E-09
490710.04, 3859210.04	0.01137	0.002303	7.27E-07	6.85E-08	4.15E-05	1.31E-08	1.23E-09
490760.04, 3859210.04	0.01144	0.0023172	7.31E-07	6.90E-08	4.17E-05	1.32E-08	1.24E-09
490810.04, 3859210.04	0.0115	0.0023294	7.35E-07	6.93E-08	4.19E-05	1.32E-08	1.25E-09
490860.04, 3859210.04	0.01153	0.0023354	7.37E-07	6.95E-08	4.20E-05	1.33E-08	1.25E-09
490360.04, 3859260.04	0.01632	0.0033057	1.04E-06	9.84E-08	5.95E-05	1.88E-08	1.77E-09
490410.04, 3859260.04	0.01579	0.0031983	1.01E-06	9.52E-08	5.76E-05	1.82E-08	1.71E-09
490460.04, 3859260.04	0.01547	0.0031335	9.89E-07	9.32E-08	5.64E-05	1.78E-08	1.68E-09
490510.04, 3859260.04	0.01443	0.0029228	9.22E-07	8.70E-08	5.26E-05	1.66E-08	1.57E-09
490560.04, 3859260.04	0.01446	0.0029289	9.24E-07	8.72E-08	5.27E-05	1.66E-08	1.57E-09
490610.04, 3859260.04	0.01351	0.0027365	8.64E-07	8.14E-08	4.93E-05	1.55E-08	1.47E-09
490660.04, 3859260.04	0.0135	0.0027345	8.63E-07	8.14E-08	4.92E-05	1.55E-08	1.46E-09
490710.04, 3859260.04	0.01233	0.0024975	7.88E-07	7.43E-08	4.50E-05	1.42E-08	1.34E-09
490760.04, 3859260.04	0.01244	0.0025198	7.95E-07	7.50E-08	4.54E-05	1.43E-08	1.35E-09
490810.04, 3859260.04	0.01239	0.0025096	7.92E-07	7.47E-08	4.52E-05	1.43E-08	1.34E-09
490860.04, 3859260.04	0.01233	0.0024975	7.88E-07	7.43E-08	4.50E-05	1.42E-08	1.34E-09
490360.04, 3859310.04	0.01717	0.0034778	1.10E-06	1.03E-07	6.26E-05	1.98E-08	1.86E-09
490410.04, 3859310.04	0.01653	0.0033482	1.06E-06	9.96E-08	6.03E-05	1.90E-08	1.79E-09
490460.04, 3859310.04	0.01607	0.003255	1.03E-06	9.69E-08	5.86E-05	1.85E-08	1.74E-09
490510.04, 3859310.04	0.01583	0.0032064	1.01E-06	9.54E-08	5.77E-05	1.82E-08	1.72E-09
490560.04, 3859310.04	0.01552	0.0031436	9.92E-07	9.35E-08	5.66E-05	1.79E-08	1.68E-09
490610.04, 3859310.04	0.0153	0.0030991	9.78E-07	9.22E-08	5.58E-05	1.76E-08	1.66E-09
490660.04, 3859310.04	0.01487	0.003012	9.51E-07	8.96E-08	5.42E-05	1.71E-08	1.61E-09
490710.04, 3859310.04	0.01388	0.0028114	8.87E-07	8.37E-08	5.06E-05	1.60E-08	1.51E-09
490760.04, 3859310.04	0.01348	0.0027304	8.62E-07	8.13E-08	4.92E-05	1.55E-08	1.46E-09
490810.04, 3859310.04	0.01336	0.0027061	8.54E-07	8.05E-08	4.87E-05	1.54E-08	1.45E-09
490860.04, 3859310.04	0.01304	0.0026413	8.34E-07	7.86E-08	4.76E-05	1.50E-08	1.42E-09
490360.04, 3859360.04	0.01832	0.0037108	1.17E-06	1.10E-07	6.68E-05	2.11E-08	1.99E-09

490410.04, 3859360.04	0.01786	0.0036176	1.14E-06	1.08E-07	6.51E-05	2.06E-08	1.94E-09
490460.04, 3859360.04	0.01753	0.0035508	1.12E-06	1.06E-07	6.39E-05	2.02E-08	1.90E-09
490510.04, 3859360.04	0.01718	0.0034799	1.10E-06	1.04E-07	6.26E-05	1.98E-08	1.86E-09
490560.04, 3859360.04	0.01655	0.0033523	1.06E-06	9.98E-08	6.04E-05	1.90E-08	1.80E-09
490610.04, 3859360.04	0.01603	0.0032469	1.02E-06	9.66E-08	5.85E-05	1.84E-08	1.74E-09
490660.04, 3859360.04	0.01568	0.003176	1.00E-06	9.45E-08	5.72E-05	1.80E-08	1.70E-09
490710.04, 3859360.04	0.01502	0.0030424	9.60E-07	9.05E-08	5.48E-05	1.73E-08	1.63E-09
490760.04, 3859360.04	0.01436	0.0029087	9.18E-07	8.66E-08	5.24E-05	1.65E-08	1.56E-09
490810.04, 3859360.04	0.0144	0.0029168	9.21E-07	8.68E-08	5.25E-05	1.66E-08	1.56E-09
490860.04, 3859360.04	0.01411	0.002858	9.02E-07	8.50E-08	5.15E-05	1.62E-08	1.53E-09
490360.04, 3859410.04	0.01981	0.0040126	1.27E-06	1.19E-07	7.22E-05	2.28E-08	2.15E-09
490410.04, 3859410.04	0.01933	0.0039154	1.24E-06	1.17E-07	7.05E-05	2.22E-08	2.10E-09
490460.04, 3859410.04	0.01888	0.0038242	1.21E-06	1.14E-07	6.88E-05	2.17E-08	2.05E-09
490510.04, 3859410.04	0.01841	0.003729	1.18E-06	1.11E-07	6.71E-05	2.12E-08	2.00E-09
490560.04, 3859410.04	0.01798	0.0036419	1.15E-06	1.08E-07	6.56E-05	2.07E-08	1.95E-09
490610.04, 3859410.04	0.01756	0.0035568	1.12E-06	1.06E-07	6.40E-05	2.02E-08	1.91E-09
490660.04, 3859410.04	0.01609	0.0032591	1.03E-06	9.70E-08	5.87E-05	1.85E-08	1.75E-09
490710.04, 3859410.04	0.0151	0.0030586	9.65E-07	9.10E-08	5.51E-05	1.74E-08	1.64E-09
490760.04, 3859410.04	0.01471	0.0029796	9.40E-07	8.87E-08	5.36E-05	1.69E-08	1.60E-09
490810.04, 3859410.04	0.01534	0.0031072	9.81E-07	9.25E-08	5.59E-05	1.77E-08	1.66E-09
490860.04, 3859410.04	0.01548	0.0031355	9.90E-07	9.33E-08	5.65E-05	1.78E-08	1.68E-09
490360.04, 3859460.04	0.02141	0.0043367	1.37E-06	1.29E-07	7.81E-05	2.46E-08	2.32E-09
490410.04, 3859460.04	0.02065	0.0041827	1.32E-06	1.24E-07	7.53E-05	2.38E-08	2.24E-09
490460.04, 3859460.04	0.02016	0.0040835	1.29E-06	1.22E-07	7.35E-05	2.32E-08	2.19E-09
490510.04, 3859460.04	0.01965	0.0039802	1.26E-06	1.18E-07	7.17E-05	2.26E-08	2.13E-09
490560.04, 3859460.04	0.01923	0.0038951	1.23E-06	1.16E-07	7.01E-05	2.21E-08	2.09E-09
490610.04, 3859460.04	0.01864	0.0037756	1.19E-06	1.12E-07	6.80E-05	2.15E-08	2.02E-09
490660.04, 3859460.04	0.018	0.003646	1.15E-06	1.08E-07	6.56E-05	2.07E-08	1.95E-09
490710.04, 3859460.04	0.01655	0.0033523	1.06E-06	9.98E-08	6.04E-05	1.90E-08	1.80E-09
490760.04, 3859460.04	0.01712	0.0034677	1.09E-06	1.03E-07	6.24E-05	1.97E-08	1.86E-09
490810.04, 3859460.04	0.01668	0.0033786	1.07E-06	1.01E-07	6.08E-05	1.92E-08	1.81E-09
490860.04, 3859460.04	0.01669	0.0033806	1.07E-06	1.01E-07	6.09E-05	1.92E-08	1.81E-09
490360.04, 3859510.04	0.02307	0.0046729	1.47E-06	1.39E-07	8.41E-05	2.66E-08	2.50E-09
490410.04, 3859510.04	0.02251	0.0045595	1.44E-06	1.36E-07	8.21E-05	2.59E-08	2.44E-09
490460.04, 3859510.04	0.02177	0.0044096	1.39E-06	1.31E-07	7.94E-05	2.51E-08	2.36E-09
490510.04, 3859510.04	0.02119	0.0042921	1.35E-06	1.28E-07	7.73E-05	2.44E-08	2.30E-09
490560.04, 3859510.04	0.02063	0.0041787	1.32E-06	1.24E-07	7.52E-05	2.37E-08	2.24E-09
490610.04, 3859510.04	0.01998	0.004047	1.28E-06	1.20E-07	7.29E-05	2.30E-08	2.17E-09
490660.04, 3859510.04	0.01939	0.0039275	1.24E-06	1.17E-07	7.07E-05	2.23E-08	2.10E-09
490710.04, 3859510.04	0.0188	0.003808	1.20E-06	1.13E-07	6.86E-05	2.16E-08	2.04E-09
490760.04, 3859510.04	0.01833	0.0037128	1.17E-06	1.10E-07	6.68E-05	2.11E-08	1.99E-09
490810.04, 3859510.04	0.01808	0.0036622	1.16E-06	1.09E-07	6.59E-05	2.08E-08	1.96E-09
490860.04, 3859510.04	0.01773	0.0035913	1.13E-06	1.07E-07	6.47E-05	2.04E-08	1.92E-09
490360.04, 3859560.04	0.02491	0.0050456	1.59E-06	1.50E-07	9.08E-05	2.87E-08	2.70E-09
490410.04, 3859560.04	0.02436	0.0049342	1.56E-06	1.47E-07	8.88E-05	2.80E-08	2.64E-09
490460.04, 3859560.04	0.02371	0.0048025	1.52E-06	1.43E-07	8.65E-05	2.73E-08	2.57E-09
490510.04, 3859560.04	0.02278	0.0046142	1.46E-06	1.37E-07	8.31E-05	2.62E-08	2.47E-09
490560.04, 3859560.04	0.02232	0.004521	1.43E-06	1.35E-07	8.14E-05	2.57E-08	2.42E-09
490610.04, 3859560.04	0.02158	0.0043711	1.38E-06	1.30E-07	7.87E-05	2.48E-08	2.34E-09
490660.04, 3859560.04	0.02095	0.0042435	1.34E-06	1.26E-07	7.64E-05	2.41E-08	2.27E-09
490710.04, 3859560.04	0.02027	0.0041058	1.30E-06	1.22E-07	7.39E-05	2.33E-08	2.20E-09
490760.04, 3859560.04	0.01946	0.0039417	1.24E-06	1.17E-07	7.10E-05	2.24E-08	2.11E-09
490810.04, 3859560.04	0.01898	0.0038445	1.21E-06	1.14E-07	6.92E-05	2.18E-08	2.06E-09
490860.04, 3859560.04	0.01851	0.0037493	1.18E-06	1.12E-07	6.75E-05	2.13E-08	2.01E-09
490187.25, 3859422.08	0.02221	0.0044987	1.42E-06	1.34E-07	8.10E-05	2.56E-08	2.41E-09
490237.25, 3859422.08	0.02161	0.0043772	1.38E-06	1.30E-07	7.88E-05	2.49E-08	2.35E-09
490287.25, 3859422.08	0.02105	0.0042638	1.35E-06	1.27E-07	7.68E-05	2.42E-08	2.28E-09
490337.25, 3859422.08	0.02033	0.0041179	1.30E-06	1.23E-07	7.41E-05	2.34E-08	2.21E-09
490187.25, 3859472.08	0.02367	0.0047944	1.51E-06	1.43E-07	8.63E-05	2.72E-08	2.57E-09
490237.25, 3859472.08	0.02319	0.0046972	1.48E-06	1.40E-07	8.46E-05	2.67E-08	2.52E-09

490287.25, 3859472.08	0.0224	0.0045372	1.43E-06	1.35E-07	8.17E-05	2.58E-08	2.43E-09
490337.25, 3859472.08	0.02199	0.0044542	1.41E-06	1.33E-07	8.02E-05	2.53E-08	2.39E-09
490297.07, 3859500.42	0.0233	0.0047195	1.49E-06	1.40E-07	8.50E-05	2.68E-08	2.53E-09
490327.07, 3859500.42	0.02324	0.0047073	1.49E-06	1.40E-07	8.47E-05	2.67E-08	2.52E-09
490297.07, 3859530.42	0.02465	0.0049929	1.58E-06	1.49E-07	8.99E-05	2.84E-08	2.67E-09
490327.07, 3859530.42	0.02427	0.004916	1.55E-06	1.46E-07	8.85E-05	2.79E-08	2.63E-09
490319.73, 3859055.34	0.01623	0.0032874	1.04E-06	9.78E-08	5.92E-05	1.87E-08	1.76E-09
490319.73, 3859105.34	0.01623	0.0032874	1.04E-06	9.78E-08	5.92E-05	1.87E-08	1.76E-09
490069.73, 3859155.34	0.01783	0.0036115	1.14E-06	1.07E-07	6.50E-05	2.05E-08	1.93E-09
490119.73, 3859155.34	0.01777	0.0035994	1.14E-06	1.07E-07	6.48E-05	2.05E-08	1.93E-09
490269.73, 3859155.34	0.01732	0.0035082	1.11E-06	1.04E-07	6.32E-05	1.99E-08	1.88E-09
490319.73, 3859155.34	0.01655	0.0033523	1.06E-06	9.98E-08	6.04E-05	1.90E-08	1.80E-09
490069.73, 3859205.34	0.01871	0.0037898	1.20E-06	1.13E-07	6.82E-05	2.15E-08	2.03E-09
490119.73, 3859205.34	0.01896	0.0038404	1.21E-06	1.14E-07	6.91E-05	2.18E-08	2.06E-09
490169.73, 3859205.34	0.01873	0.0037938	1.20E-06	1.13E-07	6.83E-05	2.16E-08	2.03E-09
490219.73, 3859205.34	0.01804	0.0036541	1.15E-06	1.09E-07	6.58E-05	2.08E-08	1.96E-09
490269.73, 3859205.34	0.01709	0.0034616	1.09E-06	1.03E-07	6.23E-05	1.97E-08	1.85E-09
490319.73, 3859205.34	0.0167	0.0033826	1.07E-06	1.01E-07	6.09E-05	1.92E-08	1.81E-09
490069.73, 3859255.34	0.01922	0.0038931	1.23E-06	1.16E-07	7.01E-05	2.21E-08	2.09E-09
490119.73, 3859255.34	0.01934	0.0039174	1.24E-06	1.17E-07	7.05E-05	2.23E-08	2.10E-09
490169.73, 3859255.34	0.01915	0.0038789	1.22E-06	1.15E-07	6.98E-05	2.20E-08	2.08E-09
490219.73, 3859255.34	0.01845	0.0037371	1.18E-06	1.11E-07	6.73E-05	2.12E-08	2.00E-09
490269.73, 3859255.34	0.01769	0.0035832	1.13E-06	1.07E-07	6.45E-05	2.04E-08	1.92E-09
490319.73, 3859255.34	0.01722	0.003488	1.10E-06	1.04E-07	6.28E-05	1.98E-08	1.87E-09
490069.73, 3859305.34	0.01987	0.0040247	1.27E-06	1.20E-07	7.25E-05	2.29E-08	2.16E-09
490119.73, 3859305.34	0.02003	0.0040571	1.28E-06	1.21E-07	7.30E-05	2.31E-08	2.17E-09
490169.73, 3859305.34	0.01981	0.0040126	1.27E-06	1.19E-07	7.22E-05	2.28E-08	2.15E-09
490219.73, 3859305.34	0.01921	0.0038911	1.23E-06	1.16E-07	7.01E-05	2.21E-08	2.08E-09
490269.73, 3859305.34	0.01859	0.0037655	1.19E-06	1.12E-07	6.78E-05	2.14E-08	2.02E-09
490319.73, 3859305.34	0.01776	0.0035974	1.14E-06	1.07E-07	6.48E-05	2.04E-08	1.93E-09
490069.73, 3859355.34	0.0211	0.0042739	1.35E-06	1.27E-07	7.69E-05	2.43E-08	2.29E-09
490119.73, 3859355.34	0.0212	0.0042941	1.36E-06	1.28E-07	7.73E-05	2.44E-08	2.30E-09
490169.73, 3859355.34	0.02089	0.0042313	1.34E-06	1.26E-07	7.62E-05	2.40E-08	2.27E-09
490219.73, 3859355.34	0.02019	0.0040896	1.29E-06	1.22E-07	7.36E-05	2.32E-08	2.19E-09
490269.73, 3859355.34	0.01964	0.0039782	1.26E-06	1.18E-07	7.16E-05	2.26E-08	2.13E-09
490319.73, 3859355.34	0.01887	0.0038222	1.21E-06	1.14E-07	6.88E-05	2.17E-08	2.05E-09
490069.73, 3859405.34	0.0225	0.0045575	1.44E-06	1.36E-07	8.20E-05	2.59E-08	2.44E-09
490119.73, 3859405.34	0.02241	0.0045392	1.43E-06	1.35E-07	8.17E-05	2.58E-08	2.43E-09
490169.73, 3859405.34	0.02195	0.0044461	1.40E-06	1.32E-07	8.00E-05	2.53E-08	2.38E-09
490219.73, 3859405.34	0.02144	0.0043427	1.37E-06	1.29E-07	7.82E-05	2.47E-08	2.33E-09
490269.73, 3859405.34	0.0207	0.0041929	1.32E-06	1.25E-07	7.55E-05	2.38E-08	2.25E-09
490319.73, 3859405.34	0.01998	0.004047	1.28E-06	1.20E-07	7.29E-05	2.30E-08	2.17E-09
490161.89, 3859541.83	0.02603	0.0052725	1.66E-06	1.57E-07	9.49E-05	3.00E-08	2.82E-09
490171.89, 3859541.83	0.02594	0.0052542	1.66E-06	1.56E-07	9.46E-05	2.99E-08	2.81E-09
490161.89, 3859551.83	0.02628	0.0053231	1.68E-06	1.58E-07	9.58E-05	3.02E-08	2.85E-09
490171.89, 3859551.83	0.02622	0.005311	1.68E-06	1.58E-07	9.56E-05	3.02E-08	2.85E-09
489799.72, 3859348.21	0.02145	0.0043448	1.37E-06	1.29E-07	7.82E-05	2.47E-08	2.33E-09
489819.72, 3859348.21	0.02144	0.0043427	1.37E-06	1.29E-07	7.82E-05	2.47E-08	2.33E-09
489799.72, 3859368.21	0.02188	0.0044319	1.40E-06	1.32E-07	7.98E-05	2.52E-08	2.37E-09
489819.72, 3859368.21	0.02178	0.0044116	1.39E-06	1.31E-07	7.94E-05	2.51E-08	2.36E-09
489775.41, 3859329.72	0.02128	0.0043103	1.36E-06	1.28E-07	7.76E-05	2.45E-08	2.31E-09
489795.41, 3859329.72	0.02125	0.0043043	1.36E-06	1.28E-07	7.75E-05	2.45E-08	2.31E-09
489775.41, 3859349.72	0.02159	0.0043731	1.38E-06	1.30E-07	7.87E-05	2.48E-08	2.34E-09
489795.41, 3859349.72	0.02148	0.0043509	1.37E-06	1.29E-07	7.83E-05	2.47E-08	2.33E-09
489595.05, 3859219.43	0.01995	0.0040409	1.28E-06	1.20E-07	7.28E-05	2.30E-08	2.16E-09
489615.05, 3859219.43	0.0198	0.0040106	1.27E-06	1.19E-07	7.22E-05	2.28E-08	2.15E-09
489595.05, 3859239.43	0.02032	0.0041159	1.30E-06	1.22E-07	7.41E-05	2.34E-08	2.21E-09
489615.05, 3859239.43	0.02014	0.0040794	1.29E-06	1.21E-07	7.34E-05	2.32E-08	2.19E-09
489372.4, 3859092.58	0.01889	0.0038262	1.21E-06	1.14E-07	6.89E-05	2.17E-08	2.05E-09
489422.4, 3859092.58	0.01871	0.0037898	1.20E-06	1.13E-07	6.82E-05	2.15E-08	2.03E-09

489372.4, 3859142.58	0.01957	0.003964	1.25E-06	1.18E-07	7.14E-05	2.25E-08	2.12E-09
489422.4, 3859142.58	0.01943	0.0039356	1.24E-06	1.17E-07	7.09E-05	2.24E-08	2.11E-09
488870.84, 3858666.64	0.01616	0.0032733	1.03E-06	9.74E-08	5.89E-05	1.86E-08	1.75E-09
488900.84, 3858666.64	0.0161	0.0032611	1.03E-06	9.70E-08	5.87E-05	1.85E-08	1.75E-09
488870.84, 3858696.64	0.01641	0.0033239	1.05E-06	9.89E-08	5.98E-05	1.89E-08	1.78E-09
488900.84, 3858696.64	0.01633	0.0033077	1.04E-06	9.84E-08	5.96E-05	1.88E-08	1.77E-09
488889.67, 3858683.97	0.01623	0.0032874	1.04E-06	9.78E-08	5.92E-05	1.87E-08	1.76E-09
488919.67, 3858683.97	0.01621	0.0032834	1.04E-06	9.77E-08	5.91E-05	1.87E-08	1.76E-09
488889.67, 3858713.97	0.01649	0.0033401	1.05E-06	9.94E-08	6.01E-05	1.90E-08	1.79E-09
488919.67, 3858713.97	0.01642	0.0033259	1.05E-06	9.90E-08	5.99E-05	1.89E-08	1.78E-09
488906.61, 3858703.33	0.01638	0.0033178	1.05E-06	9.87E-08	5.97E-05	1.89E-08	1.78E-09
488936.61, 3858703.33	0.01628	0.0032976	1.04E-06	9.81E-08	5.94E-05	1.87E-08	1.77E-09
488906.61, 3858733.33	0.0165	0.0033421	1.05E-06	9.95E-08	6.02E-05	1.90E-08	1.79E-09
488936.61, 3858733.33	0.01647	0.0033361	1.05E-06	9.93E-08	6.01E-05	1.90E-08	1.79E-09
488637.63, 3858467.85	0.01538	0.0031153	9.83E-07	9.27E-08	5.61E-05	1.77E-08	1.67E-09
488662.63, 3858467.85	0.01545	0.0031295	9.88E-07	9.31E-08	5.63E-05	1.78E-08	1.68E-09
488637.63, 3858492.85	0.01552	0.0031436	9.92E-07	9.35E-08	5.66E-05	1.79E-08	1.68E-09
488662.63, 3858492.85	0.01555	0.0031497	9.94E-07	9.37E-08	5.67E-05	1.79E-08	1.69E-09
488687.63, 3858492.85	0.01552	0.0031436	9.92E-07	9.35E-08	5.66E-05	1.79E-08	1.68E-09
488637.63, 3858517.85	0.01575	0.0031902	1.01E-06	9.49E-08	5.74E-05	1.81E-08	1.71E-09
488662.63, 3858517.85	0.01572	0.0031841	1.00E-06	9.48E-08	5.73E-05	1.81E-08	1.71E-09
488687.63, 3858517.85	0.01573	0.0031862	1.01E-06	9.48E-08	5.74E-05	1.81E-08	1.71E-09
488194.42, 3857168.98	0.00831	0.0016832	5.31E-07	5.01E-08	3.03E-05	9.56E-09	9.02E-10
488244.42, 3857168.98	0.00859	0.0017399	5.49E-07	5.18E-08	3.13E-05	9.89E-09	9.32E-10
488294.42, 3857168.98	0.00881	0.0017845	5.63E-07	5.31E-08	3.21E-05	1.01E-08	9.56E-10
488244.42, 3857218.98	0.00861	0.001744	5.50E-07	5.19E-08	3.14E-05	9.91E-09	9.34E-10
488294.42, 3857218.98	0.00885	0.0017926	5.66E-07	5.33E-08	3.23E-05	1.02E-08	9.60E-10
488294.42, 3857268.98	0.00896	0.0018149	5.73E-07	5.40E-08	3.27E-05	1.03E-08	9.72E-10
488139.13, 3857111.68	0.00804	0.0016285	5.14E-07	4.85E-08	2.93E-05	9.25E-09	8.72E-10
488189.13, 3857111.68	0.00835	0.0016913	5.34E-07	5.03E-08	3.04E-05	9.61E-09	9.06E-10
488189.13, 3857161.68	0.00829	0.0016792	5.30E-07	5.00E-08	3.02E-05	9.54E-09	9.00E-10
487951.04, 3856961.26	0.00737	0.0014928	4.71E-07	4.44E-08	2.69E-05	8.48E-09	8.00E-10
488001.04, 3856961.26	0.00753	0.0015252	4.81E-07	4.54E-08	2.75E-05	8.67E-09	8.17E-10
488051.04, 3856961.26	0.00762	0.0015435	4.87E-07	4.59E-08	2.78E-05	8.77E-09	8.27E-10
488101.04, 3856961.26	0.00794	0.0016083	5.08E-07	4.79E-08	2.90E-05	9.14E-09	8.62E-10
487951.04, 3857011.26	0.00748	0.0015151	4.78E-07	4.51E-08	2.73E-05	8.61E-09	8.12E-10
488001.04, 3857011.26	0.00753	0.0015252	4.81E-07	4.54E-08	2.75E-05	8.67E-09	8.17E-10
488051.04, 3857011.26	0.00762	0.0015435	4.87E-07	4.59E-08	2.78E-05	8.77E-09	8.27E-10
488101.04, 3857011.26	0.00792	0.0016042	5.06E-07	4.77E-08	2.89E-05	9.12E-09	8.59E-10
488001.04, 3857061.26	0.0076	0.0015394	4.86E-07	4.58E-08	2.77E-05	8.75E-09	8.25E-10
488051.04, 3857061.26	0.00774	0.0015678	4.95E-07	4.67E-08	2.82E-05	8.91E-09	8.40E-10
488101.04, 3857061.26	0.00795	0.0016103	5.08E-07	4.79E-08	2.90E-05	9.15E-09	8.63E-10
487638.98, 3856673.79	0.00629	0.0012741	4.02E-07	3.79E-08	2.29E-05	7.24E-09	6.83E-10
487688.98, 3856673.79	0.00642	0.0013004	4.10E-07	3.87E-08	2.34E-05	7.39E-09	6.97E-10
487638.98, 3856723.79	0.00635	0.0012862	4.06E-07	3.83E-08	2.32E-05	7.31E-09	6.89E-10
487688.98, 3856723.79	0.00646	0.0013085	4.13E-07	3.89E-08	2.36E-05	7.44E-09	7.01E-10
486324.61, 3855740.57	0.00416	0.0008426	2.66E-07	2.51E-08	1.52E-05	4.79E-09	4.51E-10
486374.61, 3855740.57	0.00409	0.0008284	2.61E-07	2.47E-08	1.49E-05	4.71E-09	4.44E-10
486424.61, 3855740.57	0.0041	0.0008305	2.62E-07	2.47E-08	1.50E-05	4.72E-09	4.45E-10
486324.61, 3855790.57	0.00415	0.0008406	2.65E-07	2.50E-08	1.51E-05	4.78E-09	4.50E-10
486374.61, 3855790.57	0.00409	0.0008284	2.61E-07	2.47E-08	1.49E-05	4.71E-09	4.44E-10
486424.61, 3855790.57	0.00413	0.0008365	2.64E-07	2.49E-08	1.51E-05	4.75E-09	4.48E-10
486324.61, 3855840.57	0.00413	0.0008365	2.64E-07	2.49E-08	1.51E-05	4.75E-09	4.48E-10
486374.61, 3855840.57	0.00416	0.0008426	2.66E-07	2.51E-08	1.52E-05	4.79E-09	4.51E-10
486424.61, 3855840.57	0.00417	0.0008446	2.67E-07	2.51E-08	1.52E-05	4.80E-09	4.53E-10
486324.61, 3855890.57	0.0042	0.0008507	2.69E-07	2.53E-08	1.53E-05	4.83E-09	4.56E-10
486374.61, 3855890.57	0.00422	0.0008548	2.70E-07	2.54E-08	1.54E-05	4.86E-09	4.58E-10
486424.61, 3855890.57	0.00421	0.0008528	2.69E-07	2.54E-08	1.54E-05	4.85E-09	4.57E-10
488735.69, 3858285.64	0.0149	0.003018	9.53E-07	8.98E-08	5.43E-05	1.71E-08	1.62E-09
488765.69, 3858285.64	0.01494	0.0030262	9.55E-07	9.01E-08	5.45E-05	1.72E-08	1.62E-09

488735.69, 3858315.64	0.01495	0.0030282	9.56E-07	9.01E-08	5.45E-05	1.72E-08	1.62E-09
488765.69, 3858315.64	0.01497	0.0030322	9.57E-07	9.02E-08	5.46E-05	1.72E-08	1.62E-09
478676.63, 3849871.93	0.00243	0.0004922	1.55E-07	1.46E-08	8.86E-06	2.80E-09	2.64E-10
479326.63, 3849871.93	0.00199	0.0004031	1.27E-07	1.20E-08	7.26E-06	2.29E-09	2.16E-10
479376.63, 3849871.93	0.00197	0.000399	1.26E-07	1.19E-08	7.18E-06	2.27E-09	2.14E-10
479426.63, 3849871.93	0.00191	0.0003869	1.22E-07	1.15E-08	6.97E-06	2.20E-09	2.07E-10
478726.63, 3849921.93	0.00248	0.0005023	1.59E-07	1.49E-08	9.04E-06	2.85E-09	2.69E-10
478776.63, 3849921.93	0.00245	0.0004963	1.57E-07	1.48E-08	8.93E-06	2.82E-09	2.66E-10
478826.63, 3849921.93	0.00242	0.0004902	1.55E-07	1.46E-08	8.82E-06	2.79E-09	2.63E-10
478976.63, 3849921.93	0.00231	0.0004679	1.48E-07	1.39E-08	8.42E-06	2.66E-09	2.51E-10
479026.63, 3849921.93	0.00231	0.0004679	1.48E-07	1.39E-08	8.42E-06	2.66E-09	2.51E-10
479076.63, 3849921.93	0.00229	0.0004638	1.46E-07	1.38E-08	8.35E-06	2.64E-09	2.49E-10
479126.63, 3849921.93	0.00225	0.0004557	1.44E-07	1.36E-08	8.20E-06	2.59E-09	2.44E-10
479176.63, 3849921.93	0.00223	0.0004517	1.43E-07	1.34E-08	8.13E-06	2.57E-09	2.42E-10
479226.63, 3849921.93	0.00212	0.0004294	1.36E-07	1.28E-08	7.73E-06	2.44E-09	2.30E-10
479276.63, 3849921.93	0.00205	0.0004152	1.31E-07	1.24E-08	7.48E-06	2.36E-09	2.22E-10
479326.63, 3849921.93	0.00212	0.0004294	1.36E-07	1.28E-08	7.73E-06	2.44E-09	2.30E-10
479376.63, 3849921.93	0.00202	0.0004092	1.29E-07	1.22E-08	7.37E-06	2.32E-09	2.19E-10
479426.63, 3849921.93	0.00206	0.0004173	1.32E-07	1.24E-08	7.51E-06	2.37E-09	2.24E-10
478726.63, 3849971.93	0.00254	0.0005145	1.62E-07	1.53E-08	9.26E-06	2.92E-09	2.76E-10
478776.63, 3849971.93	0.00252	0.0005104	1.61E-07	1.52E-08	9.19E-06	2.90E-09	2.73E-10
478826.63, 3849971.93	0.00249	0.0005044	1.59E-07	1.50E-08	9.08E-06	2.87E-09	2.70E-10
478976.63, 3849971.93	0.00243	0.0004922	1.55E-07	1.46E-08	8.86E-06	2.80E-09	2.64E-10
479026.63, 3849971.93	0.00239	0.0004841	1.53E-07	1.44E-08	8.72E-06	2.75E-09	2.59E-10
479076.63, 3849971.93	0.00235	0.000476	1.50E-07	1.42E-08	8.57E-06	2.70E-09	2.55E-10
479126.63, 3849971.93	0.00232	0.0004699	1.48E-07	1.40E-08	8.46E-06	2.67E-09	2.52E-10
479176.63, 3849971.93	0.00223	0.0004517	1.43E-07	1.34E-08	8.13E-06	2.57E-09	2.42E-10
479226.63, 3849971.93	0.00214	0.0004335	1.37E-07	1.29E-08	7.80E-06	2.46E-09	2.32E-10
479276.63, 3849971.93	0.0022	0.0004456	1.41E-07	1.33E-08	8.02E-06	2.53E-09	2.39E-10
479326.63, 3849971.93	0.00217	0.0004395	1.39E-07	1.31E-08	7.91E-06	2.50E-09	2.35E-10
479376.63, 3849971.93	0.00212	0.0004294	1.36E-07	1.28E-08	7.73E-06	2.44E-09	2.30E-10
479426.63, 3849971.93	0.00212	0.0004294	1.36E-07	1.28E-08	7.73E-06	2.44E-09	2.30E-10
478726.63, 3850021.93	0.00259	0.0005246	1.66E-07	1.56E-08	9.44E-06	2.98E-09	2.81E-10
478776.63, 3850021.93	0.00257	0.0005206	1.64E-07	1.55E-08	9.37E-06	2.96E-09	2.79E-10
478826.63, 3850021.93	0.00256	0.0005185	1.64E-07	1.54E-08	9.34E-06	2.95E-09	2.78E-10
478976.63, 3850021.93	0.00251	0.0005084	1.60E-07	1.51E-08	9.15E-06	2.89E-09	2.72E-10
478726.63, 3850071.93	0.00265	0.0005368	1.69E-07	1.60E-08	9.66E-06	3.05E-09	2.88E-10
478776.63, 3850071.93	0.00264	0.0005347	1.69E-07	1.59E-08	9.63E-06	3.04E-09	2.86E-10
478826.63, 3850071.93	0.00262	0.0005307	1.67E-07	1.58E-08	9.55E-06	3.02E-09	2.84E-10
478876.63, 3850071.93	0.00261	0.0005287	1.67E-07	1.57E-08	9.52E-06	3.00E-09	2.83E-10
478976.63, 3850071.93	0.00258	0.0005226	1.65E-07	1.56E-08	9.41E-06	2.97E-09	2.80E-10
478726.63, 3850121.93	0.0027	0.0005469	1.73E-07	1.63E-08	9.85E-06	3.11E-09	2.93E-10
478776.63, 3850121.93	0.0027	0.0005469	1.73E-07	1.63E-08	9.85E-06	3.11E-09	2.93E-10
478826.63, 3850121.93	0.00269	0.0005449	1.72E-07	1.62E-08	9.81E-06	3.10E-09	2.92E-10
478876.63, 3850121.93	0.00267	0.0005408	1.71E-07	1.61E-08	9.74E-06	3.07E-09	2.90E-10
478976.63, 3850121.93	0.00266	0.0005388	1.70E-07	1.60E-08	9.70E-06	3.06E-09	2.89E-10
479026.63, 3850121.93	0.00264	0.0005347	1.69E-07	1.59E-08	9.63E-06	3.04E-09	2.86E-10
479076.63, 3850121.93	0.00261	0.0005287	1.67E-07	1.57E-08	9.52E-06	3.00E-09	2.83E-10
479126.63, 3850121.93	0.00258	0.0005226	1.65E-07	1.56E-08	9.41E-06	2.97E-09	2.80E-10
478776.63, 3850171.93	0.00274	0.000555	1.75E-07	1.65E-08	9.99E-06	3.15E-09	2.97E-10
478826.63, 3850171.93	0.00274	0.000555	1.75E-07	1.65E-08	9.99E-06	3.15E-09	2.97E-10
478876.63, 3850171.93	0.00273	0.000553	1.75E-07	1.65E-08	9.96E-06	3.14E-09	2.96E-10
478976.63, 3850171.93	0.00273	0.000553	1.75E-07	1.65E-08	9.96E-06	3.14E-09	2.96E-10
479026.63, 3850171.93	0.00273	0.000553	1.75E-07	1.65E-08	9.96E-06	3.14E-09	2.96E-10
479076.63, 3850171.93	0.0027	0.0005469	1.73E-07	1.63E-08	9.85E-06	3.11E-09	2.93E-10
479126.63, 3850171.93	0.00267	0.0005408	1.71E-07	1.61E-08	9.74E-06	3.07E-09	2.90E-10
479176.63, 3850171.93	0.00266	0.0005388	1.70E-07	1.60E-08	9.70E-06	3.06E-09	2.89E-10
479226.63, 3850171.93	0.00267	0.0005408	1.71E-07	1.61E-08	9.74E-06	3.07E-09	2.90E-10
479276.63, 3850171.93	0.0027	0.0005469	1.73E-07	1.63E-08	9.85E-06	3.11E-09	2.93E-10
479326.63, 3850171.93	0.00264	0.0005347	1.69E-07	1.59E-08	9.63E-06	3.04E-09	2.86E-10

479376.63, 3850171.93	0.00258	0.0005226	1.65E-07	1.56E-08	9.41E-06	2.97E-09	2.80E-10
478676.63, 3850221.93	0.00272	0.0005509	1.74E-07	1.64E-08	9.92E-06	3.13E-09	2.95E-10
478726.63, 3850221.93	0.00276	0.000559	1.76E-07	1.66E-08	1.01E-05	3.18E-09	3.00E-10
478976.63, 3850221.93	0.0028	0.0005672	1.79E-07	1.69E-08	1.02E-05	3.22E-09	3.04E-10
479026.63, 3850221.93	0.0028	0.0005672	1.79E-07	1.69E-08	1.02E-05	3.22E-09	3.04E-10
479076.63, 3850221.93	0.00278	0.0005631	1.78E-07	1.68E-08	1.01E-05	3.20E-09	3.02E-10
479126.63, 3850221.93	0.00276	0.000559	1.76E-07	1.66E-08	1.01E-05	3.18E-09	3.00E-10
479176.63, 3850221.93	0.00276	0.000559	1.76E-07	1.66E-08	1.01E-05	3.18E-09	3.00E-10
479226.63, 3850221.93	0.00277	0.0005611	1.77E-07	1.67E-08	1.01E-05	3.19E-09	3.01E-10
479276.63, 3850221.93	0.00277	0.0005611	1.77E-07	1.67E-08	1.01E-05	3.19E-09	3.01E-10
479326.63, 3850221.93	0.00272	0.0005509	1.74E-07	1.64E-08	9.92E-06	3.13E-09	2.95E-10
479376.63, 3850221.93	0.00268	0.0005428	1.71E-07	1.62E-08	9.77E-06	3.08E-09	2.91E-10
478676.63, 3850271.93	0.00273	0.000553	1.75E-07	1.65E-08	9.96E-06	3.14E-09	2.96E-10
478726.63, 3850271.93	0.00277	0.0005611	1.77E-07	1.67E-08	1.01E-05	3.19E-09	3.01E-10
478976.63, 3850271.93	0.00285	0.0005773	1.82E-07	1.72E-08	1.04E-05	3.28E-09	3.09E-10
479026.63, 3850271.93	0.00287	0.0005813	1.83E-07	1.73E-08	1.05E-05	3.30E-09	3.11E-10
479076.63, 3850271.93	0.00287	0.0005813	1.83E-07	1.73E-08	1.05E-05	3.30E-09	3.11E-10
479126.63, 3850271.93	0.00286	0.0005793	1.83E-07	1.72E-08	1.04E-05	3.29E-09	3.10E-10
479176.63, 3850271.93	0.00286	0.0005793	1.83E-07	1.72E-08	1.04E-05	3.29E-09	3.10E-10
479226.63, 3850271.93	0.00286	0.0005793	1.83E-07	1.72E-08	1.04E-05	3.29E-09	3.10E-10
479276.63, 3850271.93	0.00285	0.0005773	1.82E-07	1.72E-08	1.04E-05	3.28E-09	3.09E-10
479326.63, 3850271.93	0.0028	0.0005672	1.79E-07	1.69E-08	1.02E-05	3.22E-09	3.04E-10
479376.63, 3850271.93	0.00273	0.000553	1.75E-07	1.65E-08	9.96E-06	3.14E-09	2.96E-10
479053.24, 3850293.52	0.0029	0.0005874	1.85E-07	1.75E-08	1.06E-05	3.34E-09	3.15E-10
479103.24, 3850293.52	0.0029	0.0005874	1.85E-07	1.75E-08	1.06E-05	3.34E-09	3.15E-10
479153.24, 3850293.52	0.00289	0.0005854	1.85E-07	1.74E-08	1.05E-05	3.33E-09	3.14E-10
479203.24, 3850293.52	0.0029	0.0005874	1.85E-07	1.75E-08	1.06E-05	3.34E-09	3.15E-10
479253.24, 3850293.52	0.00289	0.0005854	1.85E-07	1.74E-08	1.05E-05	3.33E-09	3.14E-10
479303.24, 3850293.52	0.00285	0.0005773	1.82E-07	1.72E-08	1.04E-05	3.28E-09	3.09E-10
479353.24, 3850293.52	0.00279	0.0005651	1.78E-07	1.68E-08	1.02E-05	3.21E-09	3.03E-10
479153.24, 3850343.52	0.00298	0.0006036	1.91E-07	1.80E-08	1.09E-05	3.43E-09	3.23E-10
479203.24, 3850343.52	0.00298	0.0006036	1.91E-07	1.80E-08	1.09E-05	3.43E-09	3.23E-10
479253.24, 3850343.52	0.00296	0.0005996	1.89E-07	1.78E-08	1.08E-05	3.41E-09	3.21E-10
479303.24, 3850343.52	0.00291	0.0005894	1.86E-07	1.75E-08	1.06E-05	3.35E-09	3.16E-10
479353.24, 3850343.52	0.00287	0.0005813	1.83E-07	1.73E-08	1.05E-05	3.30E-09	3.11E-10
479203.24, 3850393.52	0.00305	0.0006178	1.95E-07	1.84E-08	1.11E-05	3.51E-09	3.31E-10
479253.24, 3850393.52	0.00303	0.0006137	1.94E-07	1.83E-08	1.10E-05	3.49E-09	3.29E-10
479303.24, 3850393.52	0.00299	0.0006056	1.91E-07	1.80E-08	1.09E-05	3.44E-09	3.24E-10
479353.24, 3850393.52	0.00294	0.0005955	1.88E-07	1.77E-08	1.07E-05	3.38E-09	3.19E-10
479403.24, 3850393.52	0.0029	0.0005874	1.85E-07	1.75E-08	1.06E-05	3.34E-09	3.15E-10
479453.24, 3850393.52	0.00283	0.0005732	1.81E-07	1.71E-08	1.03E-05	3.26E-09	3.07E-10
479503.24, 3850393.52	0.00275	0.000557	1.76E-07	1.66E-08	1.00E-05	3.17E-09	2.98E-10
479303.24, 3850443.52	0.00304	0.0006158	1.94E-07	1.83E-08	1.11E-05	3.50E-09	3.30E-10
479353.24, 3850443.52	0.00299	0.0006056	1.91E-07	1.80E-08	1.09E-05	3.44E-09	3.24E-10
479403.24, 3850443.52	0.00293	0.0005935	1.87E-07	1.77E-08	1.07E-05	3.37E-09	3.18E-10
479453.24, 3850443.52	0.00287	0.0005813	1.83E-07	1.73E-08	1.05E-05	3.30E-09	3.11E-10
479503.24, 3850443.52	0.0028	0.0005672	1.79E-07	1.69E-08	1.02E-05	3.22E-09	3.04E-10
480327.18, 3850987.04	0.00339	0.0006867	2.17E-07	2.04E-08	1.24E-05	3.90E-09	3.68E-10
480377.18, 3850987.04	0.00334	0.0006765	2.14E-07	2.01E-08	1.22E-05	3.84E-09	3.62E-10
480427.18, 3850987.04	0.00327	0.0006624	2.09E-07	1.97E-08	1.19E-05	3.76E-09	3.55E-10
480477.18, 3850987.04	0.00319	0.0006461	2.04E-07	1.92E-08	1.16E-05	3.67E-09	3.46E-10
480327.18, 3851037.04	0.00349	0.0007069	2.23E-07	2.10E-08	1.27E-05	4.02E-09	3.79E-10
480377.18, 3851037.04	0.00343	0.0006948	2.19E-07	2.07E-08	1.25E-05	3.95E-09	3.72E-10
480427.18, 3851037.04	0.00337	0.0006826	2.15E-07	2.03E-08	1.23E-05	3.88E-09	3.66E-10
480477.18, 3851037.04	0.00331	0.0006705	2.12E-07	2.00E-08	1.21E-05	3.81E-09	3.59E-10
480622.06, 3851087.39	0.00328	0.0006644	2.10E-07	1.98E-08	1.20E-05	3.78E-09	3.56E-10
480672.06, 3851087.39	0.00324	0.0006563	2.07E-07	1.95E-08	1.18E-05	3.73E-09	3.52E-10
480622.06, 3851137.39	0.0034	0.0006887	2.17E-07	2.05E-08	1.24E-05	3.91E-09	3.69E-10
480672.06, 3851137.39	0.00336	0.0006806	2.15E-07	2.03E-08	1.23E-05	3.87E-09	3.65E-10
480722.06, 3851137.39	0.00333	0.0006745	2.13E-07	2.01E-08	1.21E-05	3.83E-09	3.61E-10

480622.06, 3851187.39	0.00352	0.000713	2.25E-07	2.12E-08	1.28E-05	4.05E-09	3.82E-10
480672.06, 3851187.39	0.00349	0.0007069	2.23E-07	2.10E-08	1.27E-05	4.02E-09	3.79E-10
480722.06, 3851187.39	0.00346	0.0007008	2.21E-07	2.09E-08	1.26E-05	3.98E-09	3.75E-10
471363.09, 3845877.25	0.00084	0.0001701	5.37E-08	5.06E-09	3.06E-06	9.67E-10	9.12E-11
471863.09, 3845877.25	0.00088	0.0001782	5.63E-08	5.30E-09	3.21E-06	1.01E-09	9.55E-11
472363.09, 3845877.25	0.00097	0.0001965	6.20E-08	5.85E-09	3.54E-06	1.12E-09	1.05E-10
472863.09, 3845877.25	0.00091	0.0001843	5.82E-08	5.49E-09	3.32E-06	1.05E-09	9.88E-11
473363.09, 3845877.25	0.00092	0.0001863	5.88E-08	5.55E-09	3.35E-06	1.06E-09	9.98E-11
473863.09, 3845877.25	0.00091	0.0001843	5.82E-08	5.49E-09	3.32E-06	1.05E-09	9.88E-11
474363.09, 3845877.25	0.00092	0.0001863	5.88E-08	5.55E-09	3.35E-06	1.06E-09	9.98E-11
474863.09, 3845877.25	0.00094	0.0001904	6.01E-08	5.67E-09	3.43E-06	1.08E-09	1.02E-10
475363.09, 3845877.25	0.00098	0.0001985	6.27E-08	5.91E-09	3.57E-06	1.13E-09	1.06E-10
475863.09, 3845877.25	0.00102	0.0002066	6.52E-08	6.15E-09	3.72E-06	1.17E-09	1.11E-10
476363.09, 3845877.25	0.00102	0.0002066	6.52E-08	6.15E-09	3.72E-06	1.17E-09	1.11E-10
476863.09, 3845877.25	0.00101	0.0002046	6.46E-08	6.09E-09	3.68E-06	1.16E-09	1.10E-10
477363.09, 3845877.25	0.00102	0.0002066	6.52E-08	6.15E-09	3.72E-06	1.17E-09	1.11E-10
477863.09, 3845877.25	0.001	0.0002026	6.39E-08	6.03E-09	3.65E-06	1.15E-09	1.09E-10
478363.09, 3845877.25	0.001	0.0002026	6.39E-08	6.03E-09	3.65E-06	1.15E-09	1.09E-10
478863.09, 3845877.25	0.00098	0.0001985	6.27E-08	5.91E-09	3.57E-06	1.13E-09	1.06E-10
479363.09, 3845877.25	0.00096	0.0001945	6.14E-08	5.79E-09	3.50E-06	1.10E-09	1.04E-10
479863.09, 3845877.25	0.0009	0.0001823	5.75E-08	5.42E-09	3.28E-06	1.04E-09	9.77E-11
480363.09, 3845877.25	0.00082	0.0001661	5.24E-08	4.94E-09	2.99E-06	9.44E-10	8.90E-11
480863.09, 3845877.25	0.00076	0.0001539	4.86E-08	4.58E-09	2.77E-06	8.75E-10	8.25E-11
481363.09, 3845877.25	0.00071	0.0001438	4.54E-08	4.28E-09	2.59E-06	8.17E-10	7.70E-11
481863.09, 3845877.25	0.00068	0.0001377	4.35E-08	4.10E-09	2.48E-06	7.83E-10	7.38E-11
482363.09, 3845877.25	0.00066	0.0001337	4.22E-08	3.98E-09	2.41E-06	7.60E-10	7.16E-11
482863.09, 3845877.25	0.00062	0.0001256	3.96E-08	3.74E-09	2.26E-06	7.14E-10	6.73E-11
483363.09, 3845877.25	0.00057	0.0001155	3.64E-08	3.44E-09	2.08E-06	6.56E-10	6.19E-11
483863.09, 3845877.25	0.00059	0.0001195	3.77E-08	3.56E-09	2.15E-06	6.79E-10	6.40E-11
484363.09, 3845877.25	0.00058	0.0001175	3.71E-08	3.50E-09	2.12E-06	6.68E-10	6.29E-11
484863.09, 3845877.25	0.00058	0.0001175	3.71E-08	3.50E-09	2.12E-06	6.68E-10	6.29E-11
485363.09, 3845877.25	0.00057	0.0001155	3.64E-08	3.44E-09	2.08E-06	6.56E-10	6.19E-11
485863.09, 3845877.25	0.00056	0.0001134	3.58E-08	3.38E-09	2.04E-06	6.45E-10	6.08E-11
486363.09, 3845877.25	0.00053	0.0001074	3.39E-08	3.19E-09	1.93E-06	6.10E-10	5.75E-11
486863.09, 3845877.25	0.00051	0.0001033	3.26E-08	3.07E-09	1.86E-06	5.87E-10	5.53E-11
487363.09, 3845877.25	0.0005	0.0001013	3.20E-08	3.01E-09	1.82E-06	5.75E-10	5.43E-11
487863.09, 3845877.25	0.00048	9.723E-05	3.07E-08	2.89E-09	1.75E-06	5.52E-10	5.21E-11
488363.09, 3845877.25	0.00048	9.723E-05	3.07E-08	2.89E-09	1.75E-06	5.52E-10	5.21E-11
488863.09, 3845877.25	0.0005	0.0001013	3.20E-08	3.01E-09	1.82E-06	5.75E-10	5.43E-11
489363.09, 3845877.25	0.00051	0.0001033	3.26E-08	3.07E-09	1.86E-06	5.87E-10	5.53E-11
489863.09, 3845877.25	0.00048	9.723E-05	3.07E-08	2.89E-09	1.75E-06	5.52E-10	5.21E-11
490363.09, 3845877.25	0.00044	8.912E-05	2.81E-08	2.65E-09	1.60E-06	5.06E-10	4.77E-11
490863.09, 3845877.25	0.00039	7.9E-05	2.49E-08	2.35E-09	1.42E-06	4.49E-10	4.23E-11
491363.09, 3845877.25	0.00039	7.9E-05	2.49E-08	2.35E-09	1.42E-06	4.49E-10	4.23E-11
491863.09, 3845877.25	0.00039	7.9E-05	2.49E-08	2.35E-09	1.42E-06	4.49E-10	4.23E-11
492363.09, 3845877.25	0.00036	7.292E-05	2.30E-08	2.17E-09	1.31E-06	4.14E-10	3.91E-11
492863.09, 3845877.25	0.00039	7.9E-05	2.49E-08	2.35E-09	1.42E-06	4.49E-10	4.23E-11
493363.09, 3845877.25	0.0004	8.102E-05	2.56E-08	2.41E-09	1.46E-06	4.60E-10	4.34E-11
493863.09, 3845877.25	0.00039	7.9E-05	2.49E-08	2.35E-09	1.42E-06	4.49E-10	4.23E-11
494363.09, 3845877.25	0.00037	7.494E-05	2.37E-08	2.23E-09	1.35E-06	4.26E-10	4.02E-11
494863.09, 3845877.25	0.00036	7.292E-05	2.30E-08	2.17E-09	1.31E-06	4.14E-10	3.91E-11
495363.09, 3845877.25	0.00038	7.697E-05	2.43E-08	2.29E-09	1.39E-06	4.37E-10	4.12E-11
495863.09, 3845877.25	0.00038	7.697E-05	2.43E-08	2.29E-09	1.39E-06	4.37E-10	4.12E-11
496363.09, 3845877.25	0.00037	7.494E-05	2.37E-08	2.23E-09	1.35E-06	4.26E-10	4.02E-11
496863.09, 3845877.25	0.00035	7.089E-05	2.24E-08	2.11E-09	1.28E-06	4.03E-10	3.80E-11
497363.09, 3845877.25	0.00036	7.292E-05	2.30E-08	2.17E-09	1.31E-06	4.14E-10	3.91E-11
497863.09, 3845877.25	0.00037	7.494E-05	2.37E-08	2.23E-09	1.35E-06	4.26E-10	4.02E-11
498363.09, 3845877.25	0.00039	7.9E-05	2.49E-08	2.35E-09	1.42E-06	4.49E-10	4.23E-11
471363.09, 3846377.25	0.00112	0.0002269	7.16E-08	6.75E-09	4.08E-06	1.29E-09	1.22E-10
471863.09, 3846377.25	0.00104	0.0002107	6.65E-08	6.27E-09	3.79E-06	1.20E-09	1.13E-10

472363.09, 3846377.25	0.0009	0.0001823	5.75E-08	5.42E-09	3.28E-06	1.04E-09	9.77E-11
472863.09, 3846377.25	0.00097	0.0001965	6.20E-08	5.85E-09	3.54E-06	1.12E-09	1.05E-10
473363.09, 3846377.25	0.00099	0.0002005	6.33E-08	5.97E-09	3.61E-06	1.14E-09	1.07E-10
473863.09, 3846377.25	0.00103	0.0002086	6.58E-08	6.21E-09	3.76E-06	1.19E-09	1.12E-10
474363.09, 3846377.25	0.00103	0.0002086	6.58E-08	6.21E-09	3.76E-06	1.19E-09	1.12E-10
474863.09, 3846377.25	0.00104	0.0002107	6.65E-08	6.27E-09	3.79E-06	1.20E-09	1.13E-10
475363.09, 3846377.25	0.00104	0.0002107	6.65E-08	6.27E-09	3.79E-06	1.20E-09	1.13E-10
475863.09, 3846377.25	0.00108	0.0002188	6.90E-08	6.51E-09	3.94E-06	1.24E-09	1.17E-10
476363.09, 3846377.25	0.00107	0.0002167	6.84E-08	6.45E-09	3.90E-06	1.23E-09	1.16E-10
476863.09, 3846377.25	0.00108	0.0002188	6.90E-08	6.51E-09	3.94E-06	1.24E-09	1.17E-10
477363.09, 3846377.25	0.00108	0.0002188	6.90E-08	6.51E-09	3.94E-06	1.24E-09	1.17E-10
477863.09, 3846377.25	0.00106	0.0002147	6.78E-08	6.39E-09	3.87E-06	1.22E-09	1.15E-10
478363.09, 3846377.25	0.00105	0.0002127	6.71E-08	6.33E-09	3.83E-06	1.21E-09	1.14E-10
478863.09, 3846377.25	0.00108	0.0002188	6.90E-08	6.51E-09	3.94E-06	1.24E-09	1.17E-10
479363.09, 3846377.25	0.00106	0.0002147	6.78E-08	6.39E-09	3.87E-06	1.22E-09	1.15E-10
479863.09, 3846377.25	0.001	0.0002026	6.39E-08	6.03E-09	3.65E-06	1.15E-09	1.09E-10
480363.09, 3846377.25	0.00095	0.0001924	6.07E-08	5.73E-09	3.46E-06	1.09E-09	1.03E-10
480863.09, 3846377.25	0.00085	0.0001722	5.43E-08	5.12E-09	3.10E-06	9.78E-10	9.22E-11
481363.09, 3846377.25	0.00079	0.00016	5.05E-08	4.76E-09	2.88E-06	9.09E-10	8.57E-11
481863.09, 3846377.25	0.00074	0.0001499	4.73E-08	4.46E-09	2.70E-06	8.52E-10	8.03E-11
482363.09, 3846377.25	0.0007	0.0001418	4.48E-08	4.22E-09	2.55E-06	8.06E-10	7.60E-11
482863.09, 3846377.25	0.00067	0.0001357	4.28E-08	4.04E-09	2.44E-06	7.71E-10	7.27E-11
483363.09, 3846377.25	0.00067	0.0001357	4.28E-08	4.04E-09	2.44E-06	7.71E-10	7.27E-11
483863.09, 3846377.25	0.00064	0.0001296	4.09E-08	3.86E-09	2.33E-06	7.37E-10	6.95E-11
484363.09, 3846377.25	0.00061	0.0001236	3.90E-08	3.68E-09	2.22E-06	7.02E-10	6.62E-11
484863.09, 3846377.25	0.00061	0.0001236	3.90E-08	3.68E-09	2.22E-06	7.02E-10	6.62E-11
485363.09, 3846377.25	0.00062	0.0001256	3.96E-08	3.74E-09	2.26E-06	7.14E-10	6.73E-11
485863.09, 3846377.25	0.0006	0.0001215	3.84E-08	3.62E-09	2.19E-06	6.91E-10	6.51E-11
486363.09, 3846377.25	0.00056	0.0001134	3.58E-08	3.38E-09	2.04E-06	6.45E-10	6.08E-11
486863.09, 3846377.25	0.00053	0.0001074	3.39E-08	3.19E-09	1.93E-06	6.10E-10	5.75E-11
487363.09, 3846377.25	0.00053	0.0001074	3.39E-08	3.19E-09	1.93E-06	6.10E-10	5.75E-11
487863.09, 3846377.25	0.00054	0.0001094	3.45E-08	3.25E-09	1.97E-06	6.22E-10	5.86E-11
488363.09, 3846377.25	0.00053	0.0001074	3.39E-08	3.19E-09	1.93E-06	6.10E-10	5.75E-11
488863.09, 3846377.25	0.00053	0.0001074	3.39E-08	3.19E-09	1.93E-06	6.10E-10	5.75E-11
489363.09, 3846377.25	0.00053	0.0001074	3.39E-08	3.19E-09	1.93E-06	6.10E-10	5.75E-11
489863.09, 3846377.25	0.00052	0.0001053	3.32E-08	3.13E-09	1.90E-06	5.98E-10	5.64E-11
490363.09, 3846377.25	0.00046	9.317E-05	2.94E-08	2.77E-09	1.68E-06	5.29E-10	4.99E-11
490863.09, 3846377.25	0.00042	8.507E-05	2.69E-08	2.53E-09	1.53E-06	4.83E-10	4.56E-11
491363.09, 3846377.25	0.0004	8.102E-05	2.56E-08	2.41E-09	1.46E-06	4.60E-10	4.34E-11
491863.09, 3846377.25	0.00041	8.305E-05	2.62E-08	2.47E-09	1.50E-06	4.72E-10	4.45E-11
492363.09, 3846377.25	0.0004	8.102E-05	2.56E-08	2.41E-09	1.46E-06	4.60E-10	4.34E-11
492863.09, 3846377.25	0.0004	8.102E-05	2.56E-08	2.41E-09	1.46E-06	4.60E-10	4.34E-11
493363.09, 3846377.25	0.00043	8.71E-05	2.75E-08	2.59E-09	1.57E-06	4.95E-10	4.67E-11
493863.09, 3846377.25	0.00042	8.507E-05	2.69E-08	2.53E-09	1.53E-06	4.83E-10	4.56E-11
494363.09, 3846377.25	0.00039	7.9E-05	2.49E-08	2.35E-09	1.42E-06	4.49E-10	4.23E-11
494863.09, 3846377.25	0.00038	7.697E-05	2.43E-08	2.29E-09	1.39E-06	4.37E-10	4.12E-11
495363.09, 3846377.25	0.0004	8.102E-05	2.56E-08	2.41E-09	1.46E-06	4.60E-10	4.34E-11
495863.09, 3846377.25	0.0004	8.102E-05	2.56E-08	2.41E-09	1.46E-06	4.60E-10	4.34E-11
496363.09, 3846377.25	0.00039	7.9E-05	2.49E-08	2.35E-09	1.42E-06	4.49E-10	4.23E-11
496863.09, 3846377.25	0.00037	7.494E-05	2.37E-08	2.23E-09	1.35E-06	4.26E-10	4.02E-11
497363.09, 3846377.25	0.00038	7.697E-05	2.43E-08	2.29E-09	1.39E-06	4.37E-10	4.12E-11
497863.09, 3846377.25	0.00039	7.9E-05	2.49E-08	2.35E-09	1.42E-06	4.49E-10	4.23E-11
498363.09, 3846377.25	0.00041	8.305E-05	2.62E-08	2.47E-09	1.50E-06	4.72E-10	4.45E-11
471363.09, 3846877.25	0.00117	0.000237	7.48E-08	7.05E-09	4.27E-06	1.35E-09	1.27E-10
471863.09, 3846877.25	0.0012	0.0002431	7.67E-08	7.23E-09	4.38E-06	1.38E-09	1.30E-10
472363.09, 3846877.25	0.00114	0.0002309	7.29E-08	6.87E-09	4.16E-06	1.31E-09	1.24E-10
472863.09, 3846877.25	0.0009	0.0001823	5.75E-08	5.42E-09	3.28E-06	1.04E-09	9.77E-11
473363.09, 3846877.25	0.00103	0.0002086	6.58E-08	6.21E-09	3.76E-06	1.19E-09	1.12E-10
473863.09, 3846877.25	0.00113	0.0002289	7.22E-08	6.81E-09	4.12E-06	1.30E-09	1.23E-10
474363.09, 3846877.25	0.00113	0.0002289	7.22E-08	6.81E-09	4.12E-06	1.30E-09	1.23E-10

474863.09, 3846877.25	0.00112	0.0002269	7.16E-08	6.75E-09	4.08E-06	1.29E-09	1.22E-10
475363.09, 3846877.25	0.00109	0.0002208	6.97E-08	6.57E-09	3.97E-06	1.25E-09	1.18E-10
475863.09, 3846877.25	0.00114	0.0002309	7.29E-08	6.87E-09	4.16E-06	1.31E-09	1.24E-10
476363.09, 3846877.25	0.00115	0.0002329	7.35E-08	6.93E-09	4.19E-06	1.32E-09	1.25E-10
476863.09, 3846877.25	0.00113	0.0002289	7.22E-08	6.81E-09	4.12E-06	1.30E-09	1.23E-10
477363.09, 3846877.25	0.00115	0.0002329	7.35E-08	6.93E-09	4.19E-06	1.32E-09	1.25E-10
477863.09, 3846877.25	0.00113	0.0002289	7.22E-08	6.81E-09	4.12E-06	1.30E-09	1.23E-10
478363.09, 3846877.25	0.00114	0.0002309	7.29E-08	6.87E-09	4.16E-06	1.31E-09	1.24E-10
478863.09, 3846877.25	0.00117	0.000237	7.48E-08	7.05E-09	4.27E-06	1.35E-09	1.27E-10
479363.09, 3846877.25	0.00115	0.0002329	7.35E-08	6.93E-09	4.19E-06	1.32E-09	1.25E-10
479863.09, 3846877.25	0.00104	0.0002107	6.65E-08	6.27E-09	3.79E-06	1.20E-09	1.13E-10
480363.09, 3846877.25	0.00096	0.0001945	6.14E-08	5.79E-09	3.50E-06	1.10E-09	1.04E-10
480863.09, 3846877.25	0.0009	0.0001823	5.75E-08	5.42E-09	3.28E-06	1.04E-09	9.77E-11
481363.09, 3846877.25	0.00086	0.0001742	5.50E-08	5.18E-09	3.14E-06	9.90E-10	9.33E-11
481863.09, 3846877.25	0.00081	0.0001641	5.18E-08	4.88E-09	2.95E-06	9.32E-10	8.79E-11
482363.09, 3846877.25	0.00074	0.0001499	4.73E-08	4.46E-09	2.70E-06	8.52E-10	8.03E-11
482863.09, 3846877.25	0.00073	0.0001479	4.67E-08	4.40E-09	2.66E-06	8.40E-10	7.92E-11
483363.09, 3846877.25	0.00072	0.0001458	4.60E-08	4.34E-09	2.63E-06	8.29E-10	7.81E-11
483863.09, 3846877.25	0.00071	0.0001438	4.54E-08	4.28E-09	2.59E-06	8.17E-10	7.70E-11
484363.09, 3846877.25	0.00067	0.0001357	4.28E-08	4.04E-09	2.44E-06	7.71E-10	7.27E-11
484863.09, 3846877.25	0.00064	0.0001296	4.09E-08	3.86E-09	2.33E-06	7.37E-10	6.95E-11
485363.09, 3846877.25	0.00065	0.0001317	4.16E-08	3.92E-09	2.37E-06	7.48E-10	7.05E-11
485863.09, 3846877.25	0.00064	0.0001296	4.09E-08	3.86E-09	2.33E-06	7.37E-10	6.95E-11
486363.09, 3846877.25	0.00063	0.0001276	4.03E-08	3.80E-09	2.30E-06	7.25E-10	6.84E-11
486863.09, 3846877.25	0.00059	0.0001195	3.77E-08	3.56E-09	2.15E-06	6.79E-10	6.40E-11
487363.09, 3846877.25	0.00058	0.0001175	3.71E-08	3.50E-09	2.12E-06	6.68E-10	6.29E-11
487863.09, 3846877.25	0.00057	0.0001155	3.64E-08	3.44E-09	2.08E-06	6.56E-10	6.19E-11
488363.09, 3846877.25	0.00056	0.0001134	3.58E-08	3.38E-09	2.04E-06	6.45E-10	6.08E-11
488863.09, 3846877.25	0.00056	0.0001134	3.58E-08	3.38E-09	2.04E-06	6.45E-10	6.08E-11
489363.09, 3846877.25	0.00056	0.0001134	3.58E-08	3.38E-09	2.04E-06	6.45E-10	6.08E-11
489863.09, 3846877.25	0.00056	0.0001134	3.58E-08	3.38E-09	2.04E-06	6.45E-10	6.08E-11
490363.09, 3846877.25	0.0005	0.0001013	3.20E-08	3.01E-09	1.82E-06	5.75E-10	5.43E-11
490863.09, 3846877.25	0.00048	9.723E-05	3.07E-08	2.89E-09	1.75E-06	5.52E-10	5.21E-11
491363.09, 3846877.25	0.00045	9.115E-05	2.88E-08	2.71E-09	1.64E-06	5.18E-10	4.88E-11
491863.09, 3846877.25	0.00042	8.507E-05	2.69E-08	2.53E-09	1.53E-06	4.83E-10	4.56E-11
492363.09, 3846877.25	0.00045	9.115E-05	2.88E-08	2.71E-09	1.64E-06	5.18E-10	4.88E-11
492863.09, 3846877.25	0.00045	9.115E-05	2.88E-08	2.71E-09	1.64E-06	5.18E-10	4.88E-11
493363.09, 3846877.25	0.00046	9.317E-05	2.94E-08	2.77E-09	1.68E-06	5.29E-10	4.99E-11
493863.09, 3846877.25	0.00044	8.912E-05	2.81E-08	2.65E-09	1.60E-06	5.06E-10	4.77E-11
494363.09, 3846877.25	0.00041	8.305E-05	2.62E-08	2.47E-09	1.50E-06	4.72E-10	4.45E-11
494863.09, 3846877.25	0.0004	8.102E-05	2.56E-08	2.41E-09	1.46E-06	4.60E-10	4.34E-11
495363.09, 3846877.25	0.00041	8.305E-05	2.62E-08	2.47E-09	1.50E-06	4.72E-10	4.45E-11
495863.09, 3846877.25	0.00041	8.305E-05	2.62E-08	2.47E-09	1.50E-06	4.72E-10	4.45E-11
496363.09, 3846877.25	0.0004	8.102E-05	2.56E-08	2.41E-09	1.46E-06	4.60E-10	4.34E-11
496863.09, 3846877.25	0.00038	7.697E-05	2.43E-08	2.29E-09	1.39E-06	4.37E-10	4.12E-11
497363.09, 3846877.25	0.00039	7.9E-05	2.49E-08	2.35E-09	1.42E-06	4.49E-10	4.23E-11
497863.09, 3846877.25	0.00041	8.305E-05	2.62E-08	2.47E-09	1.50E-06	4.72E-10	4.45E-11
498363.09, 3846877.25	0.00043	8.71E-05	2.75E-08	2.59E-09	1.57E-06	4.95E-10	4.67E-11
471363.09, 3847377.25	0.00125	0.0002532	7.99E-08	7.53E-09	4.56E-06	1.44E-09	1.36E-10
471863.09, 3847377.25	0.00125	0.0002532	7.99E-08	7.53E-09	4.56E-06	1.44E-09	1.36E-10
472363.09, 3847377.25	0.00126	0.0002552	8.06E-08	7.59E-09	4.59E-06	1.45E-09	1.37E-10
472863.09, 3847377.25	0.00119	0.000241	7.61E-08	7.17E-09	4.34E-06	1.37E-09	1.29E-10
473363.09, 3847377.25	0.00101	0.0002046	6.46E-08	6.09E-09	3.68E-06	1.16E-09	1.10E-10
473863.09, 3847377.25	0.00112	0.0002269	7.16E-08	6.75E-09	4.08E-06	1.29E-09	1.22E-10
474363.09, 3847377.25	0.00126	0.0002552	8.06E-08	7.59E-09	4.59E-06	1.45E-09	1.37E-10
474863.09, 3847377.25	0.00123	0.0002491	7.86E-08	7.41E-09	4.49E-06	1.42E-09	1.33E-10
475363.09, 3847377.25	0.00117	0.000237	7.48E-08	7.05E-09	4.27E-06	1.35E-09	1.27E-10
475863.09, 3847377.25	0.00123	0.0002491	7.86E-08	7.41E-09	4.49E-06	1.42E-09	1.33E-10
476363.09, 3847377.25	0.00132	0.0002674	8.44E-08	7.96E-09	4.81E-06	1.52E-09	1.43E-10
476863.09, 3847377.25	0.00124	0.0002512	7.93E-08	7.47E-09	4.52E-06	1.43E-09	1.35E-10

477363.09, 3847377.25	0.00123	0.0002491	7.86E-08	7.41E-09	4.49E-06	1.42E-09	1.33E-10
477863.09, 3847377.25	0.00122	0.0002471	7.80E-08	7.35E-09	4.45E-06	1.40E-09	1.32E-10
478363.09, 3847377.25	0.00123	0.0002491	7.86E-08	7.41E-09	4.49E-06	1.42E-09	1.33E-10
478863.09, 3847377.25	0.00122	0.0002471	7.80E-08	7.35E-09	4.45E-06	1.40E-09	1.32E-10
479363.09, 3847377.25	0.0011	0.0002228	7.03E-08	6.63E-09	4.01E-06	1.27E-09	1.19E-10
479863.09, 3847377.25	0.001	0.0002026	6.39E-08	6.03E-09	3.65E-06	1.15E-09	1.09E-10
480363.09, 3847377.25	0.00092	0.0001863	5.88E-08	5.55E-09	3.35E-06	1.06E-09	9.98E-11
480863.09, 3847377.25	0.00089	0.0001803	5.69E-08	5.36E-09	3.25E-06	1.02E-09	9.66E-11
481363.09, 3847377.25	0.00088	0.0001782	5.63E-08	5.30E-09	3.21E-06	1.01E-09	9.55E-11
481863.09, 3847377.25	0.00089	0.0001803	5.69E-08	5.36E-09	3.25E-06	1.02E-09	9.66E-11
482363.09, 3847377.25	0.00083	0.0001681	5.31E-08	5.00E-09	3.03E-06	9.55E-10	9.01E-11
482863.09, 3847377.25	0.00078	0.000158	4.99E-08	4.70E-09	2.84E-06	8.98E-10	8.46E-11
483363.09, 3847377.25	0.00076	0.0001539	4.86E-08	4.58E-09	2.77E-06	8.75E-10	8.25E-11
483863.09, 3847377.25	0.00076	0.0001539	4.86E-08	4.58E-09	2.77E-06	8.75E-10	8.25E-11
484363.09, 3847377.25	0.00075	0.0001519	4.79E-08	4.52E-09	2.73E-06	8.63E-10	8.14E-11
484863.09, 3847377.25	0.0007	0.0001418	4.48E-08	4.22E-09	2.55E-06	8.06E-10	7.60E-11
485363.09, 3847377.25	0.00068	0.0001377	4.35E-08	4.10E-09	2.48E-06	7.83E-10	7.38E-11
485863.09, 3847377.25	0.00068	0.0001377	4.35E-08	4.10E-09	2.48E-06	7.83E-10	7.38E-11
486363.09, 3847377.25	0.00069	0.0001398	4.41E-08	4.16E-09	2.52E-06	7.94E-10	7.49E-11
486863.09, 3847377.25	0.00065	0.0001317	4.16E-08	3.92E-09	2.37E-06	7.48E-10	7.05E-11
487363.09, 3847377.25	0.00063	0.0001276	4.03E-08	3.80E-09	2.30E-06	7.25E-10	6.84E-11
487863.09, 3847377.25	0.00061	0.0001236	3.90E-08	3.68E-09	2.22E-06	7.02E-10	6.62E-11
488363.09, 3847377.25	0.0006	0.0001215	3.84E-08	3.62E-09	2.19E-06	6.91E-10	6.51E-11
488863.09, 3847377.25	0.0006	0.0001215	3.84E-08	3.62E-09	2.19E-06	6.91E-10	6.51E-11
489363.09, 3847377.25	0.00059	0.0001195	3.77E-08	3.56E-09	2.15E-06	6.79E-10	6.40E-11
489863.09, 3847377.25	0.00059	0.0001195	3.77E-08	3.56E-09	2.15E-06	6.79E-10	6.40E-11
490363.09, 3847377.25	0.00057	0.0001155	3.64E-08	3.44E-09	2.08E-06	6.56E-10	6.19E-11
490863.09, 3847377.25	0.00055	0.0001114	3.52E-08	3.32E-09	2.01E-06	6.33E-10	5.97E-11
491363.09, 3847377.25	0.00051	0.0001033	3.26E-08	3.07E-09	1.86E-06	5.87E-10	5.53E-11
491863.09, 3847377.25	0.00049	9.925E-05	3.13E-08	2.95E-09	1.79E-06	5.64E-10	5.32E-11
492363.09, 3847377.25	0.00048	9.723E-05	3.07E-08	2.89E-09	1.75E-06	5.52E-10	5.21E-11
492863.09, 3847377.25	0.00049	9.925E-05	3.13E-08	2.95E-09	1.79E-06	5.64E-10	5.32E-11
493363.09, 3847377.25	0.00049	9.925E-05	3.13E-08	2.95E-09	1.79E-06	5.64E-10	5.32E-11
493863.09, 3847377.25	0.00047	9.52E-05	3.00E-08	2.83E-09	1.71E-06	5.41E-10	5.10E-11
494363.09, 3847377.25	0.00043	8.71E-05	2.75E-08	2.59E-09	1.57E-06	4.95E-10	4.67E-11
494863.09, 3847377.25	0.00041	8.305E-05	2.62E-08	2.47E-09	1.50E-06	4.72E-10	4.45E-11
495363.09, 3847377.25	0.00042	8.507E-05	2.69E-08	2.53E-09	1.53E-06	4.83E-10	4.56E-11
495863.09, 3847377.25	0.00042	8.507E-05	2.69E-08	2.53E-09	1.53E-06	4.83E-10	4.56E-11
496363.09, 3847377.25	0.0004	8.102E-05	2.56E-08	2.41E-09	1.46E-06	4.60E-10	4.34E-11
496863.09, 3847377.25	0.00039	7.9E-05	2.49E-08	2.35E-09	1.42E-06	4.49E-10	4.23E-11
497363.09, 3847377.25	0.00041	8.305E-05	2.62E-08	2.47E-09	1.50E-06	4.72E-10	4.45E-11
497863.09, 3847377.25	0.00043	8.71E-05	2.75E-08	2.59E-09	1.57E-06	4.95E-10	4.67E-11
498363.09, 3847377.25	0.00045	9.115E-05	2.88E-08	2.71E-09	1.64E-06	5.18E-10	4.88E-11
471363.09, 3847877.25	0.00149	0.0003018	9.53E-08	8.98E-09	5.43E-06	1.71E-09	1.62E-10
471863.09, 3847877.25	0.00146	0.0002957	9.33E-08	8.80E-09	5.32E-06	1.68E-09	1.58E-10
472363.09, 3847877.25	0.00138	0.0002795	8.82E-08	8.32E-09	5.03E-06	1.59E-09	1.50E-10
472863.09, 3847877.25	0.00136	0.0002755	8.69E-08	8.20E-09	4.96E-06	1.57E-09	1.48E-10
473363.09, 3847877.25	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
473863.09, 3847877.25	0.00129	0.0002613	8.25E-08	7.78E-09	4.70E-06	1.48E-09	1.40E-10
474363.09, 3847877.25	0.00117	0.000237	7.48E-08	7.05E-09	4.27E-06	1.35E-09	1.27E-10
474863.09, 3847877.25	0.00135	0.0002734	8.63E-08	8.14E-09	4.92E-06	1.55E-09	1.46E-10
475363.09, 3847877.25	0.00132	0.0002674	8.44E-08	7.96E-09	4.81E-06	1.52E-09	1.43E-10
475863.09, 3847877.25	0.00126	0.0002552	8.06E-08	7.59E-09	4.59E-06	1.45E-09	1.37E-10
476363.09, 3847877.25	0.00142	0.0002876	9.08E-08	8.56E-09	5.18E-06	1.63E-09	1.54E-10
476863.09, 3847877.25	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
477363.09, 3847877.25	0.00138	0.0002795	8.82E-08	8.32E-09	5.03E-06	1.59E-09	1.50E-10
477863.09, 3847877.25	0.00134	0.0002714	8.57E-08	8.08E-09	4.89E-06	1.54E-09	1.45E-10
478363.09, 3847877.25	0.00131	0.0002653	8.37E-08	7.90E-09	4.78E-06	1.51E-09	1.42E-10
478863.09, 3847877.25	0.00127	0.0002572	8.12E-08	7.66E-09	4.63E-06	1.46E-09	1.38E-10
479363.09, 3847877.25	0.00107	0.0002167	6.84E-08	6.45E-09	3.90E-06	1.23E-09	1.16E-10

479863.09, 3847877.25	0.00091	0.0001843	5.82E-08	5.49E-09	3.32E-06	1.05E-09	9.88E-11
480363.09, 3847877.25	0.00096	0.0001945	6.14E-08	5.79E-09	3.50E-06	1.10E-09	1.04E-10
480863.09, 3847877.25	0.00095	0.0001924	6.07E-08	5.73E-09	3.46E-06	1.09E-09	1.03E-10
481363.09, 3847877.25	0.00095	0.0001924	6.07E-08	5.73E-09	3.46E-06	1.09E-09	1.03E-10
481863.09, 3847877.25	0.001	0.0002026	6.39E-08	6.03E-09	3.65E-06	1.15E-09	1.09E-10
482363.09, 3847877.25	0.00093	0.0001884	5.95E-08	5.61E-09	3.39E-06	1.07E-09	1.01E-10
482863.09, 3847877.25	0.00086	0.0001742	5.50E-08	5.18E-09	3.14E-06	9.90E-10	9.33E-11
483363.09, 3847877.25	0.00082	0.0001661	5.24E-08	4.94E-09	2.99E-06	9.44E-10	8.90E-11
483863.09, 3847877.25	0.00081	0.0001641	5.18E-08	4.88E-09	2.95E-06	9.32E-10	8.79E-11
484363.09, 3847877.25	0.00082	0.0001661	5.24E-08	4.94E-09	2.99E-06	9.44E-10	8.90E-11
484863.09, 3847877.25	0.00079	0.00016	5.05E-08	4.76E-09	2.88E-06	9.09E-10	8.57E-11
485363.09, 3847877.25	0.00074	0.0001499	4.73E-08	4.46E-09	2.70E-06	8.52E-10	8.03E-11
485863.09, 3847877.25	0.00072	0.0001458	4.60E-08	4.34E-09	2.63E-06	8.29E-10	7.81E-11
486363.09, 3847877.25	0.00072	0.0001458	4.60E-08	4.34E-09	2.63E-06	8.29E-10	7.81E-11
486863.09, 3847877.25	0.00071	0.0001438	4.54E-08	4.28E-09	2.59E-06	8.17E-10	7.70E-11
487363.09, 3847877.25	0.00068	0.0001377	4.35E-08	4.10E-09	2.48E-06	7.83E-10	7.38E-11
487863.09, 3847877.25	0.00065	0.0001317	4.16E-08	3.92E-09	2.37E-06	7.48E-10	7.05E-11
488363.09, 3847877.25	0.00064	0.0001296	4.09E-08	3.86E-09	2.33E-06	7.37E-10	6.95E-11
488863.09, 3847877.25	0.00063	0.0001276	4.03E-08	3.80E-09	2.30E-06	7.25E-10	6.84E-11
489363.09, 3847877.25	0.00063	0.0001276	4.03E-08	3.80E-09	2.30E-06	7.25E-10	6.84E-11
489863.09, 3847877.25	0.00065	0.0001317	4.16E-08	3.92E-09	2.37E-06	7.48E-10	7.05E-11
490363.09, 3847877.25	0.00065	0.0001317	4.16E-08	3.92E-09	2.37E-06	7.48E-10	7.05E-11
490863.09, 3847877.25	0.00063	0.0001276	4.03E-08	3.80E-09	2.30E-06	7.25E-10	6.84E-11
491363.09, 3847877.25	0.00057	0.0001155	3.64E-08	3.44E-09	2.08E-06	6.56E-10	6.19E-11
491863.09, 3847877.25	0.00053	0.0001074	3.39E-08	3.19E-09	1.93E-06	6.10E-10	5.75E-11
492363.09, 3847877.25	0.00052	0.0001053	3.32E-08	3.13E-09	1.90E-06	5.98E-10	5.64E-11
492863.09, 3847877.25	0.00052	0.0001053	3.32E-08	3.13E-09	1.90E-06	5.98E-10	5.64E-11
493363.09, 3847877.25	0.0005	0.0001013	3.20E-08	3.01E-09	1.82E-06	5.75E-10	5.43E-11
493863.09, 3847877.25	0.00048	9.723E-05	3.07E-08	2.89E-09	1.75E-06	5.52E-10	5.21E-11
494363.09, 3847877.25	0.00044	8.912E-05	2.81E-08	2.65E-09	1.60E-06	5.06E-10	4.77E-11
494863.09, 3847877.25	0.00042	8.507E-05	2.69E-08	2.53E-09	1.53E-06	4.83E-10	4.56E-11
495363.09, 3847877.25	0.00042	8.507E-05	2.69E-08	2.53E-09	1.53E-06	4.83E-10	4.56E-11
495863.09, 3847877.25	0.00038	7.697E-05	2.43E-08	2.29E-09	1.39E-06	4.37E-10	4.12E-11
496363.09, 3847877.25	0.0004	8.102E-05	2.56E-08	2.41E-09	1.46E-06	4.60E-10	4.34E-11
496863.09, 3847877.25	0.0004	8.102E-05	2.56E-08	2.41E-09	1.46E-06	4.60E-10	4.34E-11
497363.09, 3847877.25	0.00041	8.305E-05	2.62E-08	2.47E-09	1.50E-06	4.72E-10	4.45E-11
497863.09, 3847877.25	0.00045	9.115E-05	2.88E-08	2.71E-09	1.64E-06	5.18E-10	4.88E-11
498363.09, 3847877.25	0.00047	9.52E-05	3.00E-08	2.83E-09	1.71E-06	5.41E-10	5.10E-11
471363.09, 3848377.25	0.00157	0.000318	1.00E-07	9.46E-09	5.73E-06	1.81E-09	1.70E-10
471863.09, 3848377.25	0.00162	0.0003281	1.04E-07	9.76E-09	5.91E-06	1.86E-09	1.76E-10
472363.09, 3848377.25	0.00159	0.0003221	1.02E-07	9.58E-09	5.80E-06	1.83E-09	1.73E-10
472863.09, 3848377.25	0.00154	0.0003119	9.85E-08	9.28E-09	5.62E-06	1.77E-09	1.67E-10
473363.09, 3848377.25	0.00146	0.0002957	9.33E-08	8.80E-09	5.32E-06	1.68E-09	1.58E-10
473863.09, 3848377.25	0.00149	0.0003018	9.53E-08	8.98E-09	5.43E-06	1.71E-09	1.62E-10
474363.09, 3848377.25	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
474863.09, 3848377.25	0.00125	0.0002532	7.99E-08	7.53E-09	4.56E-06	1.44E-09	1.36E-10
475363.09, 3848377.25	0.00153	0.0003099	9.78E-08	9.22E-09	5.58E-06	1.76E-09	1.66E-10
475863.09, 3848377.25	0.00147	0.0002978	9.40E-08	8.86E-09	5.36E-06	1.69E-09	1.60E-10
476363.09, 3848377.25	0.00136	0.0002755	8.69E-08	8.20E-09	4.96E-06	1.57E-09	1.48E-10
476863.09, 3848377.25	0.00164	0.0003322	1.05E-07	9.89E-09	5.98E-06	1.89E-09	1.78E-10
477363.09, 3848377.25	0.00153	0.0003099	9.78E-08	9.22E-09	5.58E-06	1.76E-09	1.66E-10
477863.09, 3848377.25	0.0015	0.0003038	9.59E-08	9.04E-09	5.47E-06	1.73E-09	1.63E-10
478363.09, 3848377.25	0.00142	0.0002876	9.08E-08	8.56E-09	5.18E-06	1.63E-09	1.54E-10
478863.09, 3848377.25	0.00129	0.0002613	8.25E-08	7.78E-09	4.70E-06	1.48E-09	1.40E-10
479363.09, 3848377.25	0.00112	0.0002269	7.16E-08	6.75E-09	4.08E-06	1.29E-09	1.22E-10
479863.09, 3848377.25	0.00082	0.0001661	5.24E-08	4.94E-09	2.99E-06	9.44E-10	8.90E-11
480363.09, 3848377.25	0.00093	0.0001884	5.95E-08	5.61E-09	3.39E-06	1.07E-09	1.01E-10
480863.09, 3848377.25	0.00108	0.0002188	6.90E-08	6.51E-09	3.94E-06	1.24E-09	1.17E-10
481363.09, 3848377.25	0.00112	0.0002269	7.16E-08	6.75E-09	4.08E-06	1.29E-09	1.22E-10
481863.09, 3848377.25	0.00112	0.0002269	7.16E-08	6.75E-09	4.08E-06	1.29E-09	1.22E-10

482363.09, 3848377.25	0.00108	0.0002188	6.90E-08	6.51E-09	3.94E-06	1.24E-09	1.17E-10
482863.09, 3848377.25	0.00097	0.0001965	6.20E-08	5.85E-09	3.54E-06	1.12E-09	1.05E-10
483363.09, 3848377.25	0.00091	0.0001843	5.82E-08	5.49E-09	3.32E-06	1.05E-09	9.88E-11
483863.09, 3848377.25	0.00086	0.0001742	5.50E-08	5.18E-09	3.14E-06	9.90E-10	9.33E-11
484363.09, 3848377.25	0.00086	0.0001742	5.50E-08	5.18E-09	3.14E-06	9.90E-10	9.33E-11
484863.09, 3848377.25	0.00088	0.0001782	5.63E-08	5.30E-09	3.21E-06	1.01E-09	9.55E-11
485363.09, 3848377.25	0.00083	0.0001681	5.31E-08	5.00E-09	3.03E-06	9.55E-10	9.01E-11
485863.09, 3848377.25	0.00078	0.000158	4.99E-08	4.70E-09	2.84E-06	8.98E-10	8.46E-11
486363.09, 3848377.25	0.00076	0.0001539	4.86E-08	4.58E-09	2.77E-06	8.75E-10	8.25E-11
486863.09, 3848377.25	0.00075	0.0001519	4.79E-08	4.52E-09	2.73E-06	8.63E-10	8.14E-11
487363.09, 3848377.25	0.00073	0.0001479	4.67E-08	4.40E-09	2.66E-06	8.40E-10	7.92E-11
487863.09, 3848377.25	0.0007	0.0001418	4.48E-08	4.22E-09	2.55E-06	8.06E-10	7.60E-11
488363.09, 3848377.25	0.00069	0.0001398	4.41E-08	4.16E-09	2.52E-06	7.94E-10	7.49E-11
488863.09, 3848377.25	0.00068	0.0001377	4.35E-08	4.10E-09	2.48E-06	7.83E-10	7.38E-11
489363.09, 3848377.25	0.00068	0.0001377	4.35E-08	4.10E-09	2.48E-06	7.83E-10	7.38E-11
489863.09, 3848377.25	0.00069	0.0001398	4.41E-08	4.16E-09	2.52E-06	7.94E-10	7.49E-11
490363.09, 3848377.25	0.0007	0.0001418	4.48E-08	4.22E-09	2.55E-06	8.06E-10	7.60E-11
490863.09, 3848377.25	0.00068	0.0001377	4.35E-08	4.10E-09	2.48E-06	7.83E-10	7.38E-11
491363.09, 3848377.25	0.00063	0.0001276	4.03E-08	3.80E-09	2.30E-06	7.25E-10	6.84E-11
491863.09, 3848377.25	0.00058	0.0001175	3.71E-08	3.50E-09	2.12E-06	6.68E-10	6.29E-11
492363.09, 3848377.25	0.00054	0.0001094	3.45E-08	3.25E-09	1.97E-06	6.22E-10	5.86E-11
492863.09, 3848377.25	0.00052	0.0001053	3.32E-08	3.13E-09	1.90E-06	5.98E-10	5.64E-11
493363.09, 3848377.25	0.00051	0.0001033	3.26E-08	3.07E-09	1.86E-06	5.87E-10	5.53E-11
493863.09, 3848377.25	0.00048	9.723E-05	3.07E-08	2.89E-09	1.75E-06	5.52E-10	5.21E-11
494363.09, 3848377.25	0.00044	8.912E-05	2.81E-08	2.65E-09	1.60E-06	5.06E-10	4.77E-11
494863.09, 3848377.25	0.00042	8.507E-05	2.69E-08	2.53E-09	1.53E-06	4.83E-10	4.56E-11
495363.09, 3848377.25	0.0004	8.102E-05	2.56E-08	2.41E-09	1.46E-06	4.60E-10	4.34E-11
495863.09, 3848377.25	0.0004	8.102E-05	2.56E-08	2.41E-09	1.46E-06	4.60E-10	4.34E-11
496363.09, 3848377.25	0.0004	8.102E-05	2.56E-08	2.41E-09	1.46E-06	4.60E-10	4.34E-11
496863.09, 3848377.25	0.00039	7.9E-05	2.49E-08	2.35E-09	1.42E-06	4.49E-10	4.23E-11
497363.09, 3848377.25	0.00041	8.305E-05	2.62E-08	2.47E-09	1.50E-06	4.72E-10	4.45E-11
497863.09, 3848377.25	0.00048	9.723E-05	3.07E-08	2.89E-09	1.75E-06	5.52E-10	5.21E-11
498363.09, 3848377.25	0.00048	9.723E-05	3.07E-08	2.89E-09	1.75E-06	5.52E-10	5.21E-11
471363.09, 3848877.25	0.00153	0.0003099	9.78E-08	9.22E-09	5.58E-06	1.76E-09	1.66E-10
471863.09, 3848877.25	0.00165	0.0003342	1.05E-07	9.95E-09	6.02E-06	1.90E-09	1.79E-10
472363.09, 3848877.25	0.00172	0.0003484	1.10E-07	1.04E-08	6.27E-06	1.98E-09	1.87E-10
472863.09, 3848877.25	0.00176	0.0003565	1.13E-07	1.06E-08	6.42E-06	2.03E-09	1.91E-10
473363.09, 3848877.25	0.00177	0.0003585	1.13E-07	1.07E-08	6.45E-06	2.04E-09	1.92E-10
473863.09, 3848877.25	0.00165	0.0003342	1.05E-07	9.95E-09	6.02E-06	1.90E-09	1.79E-10
474363.09, 3848877.25	0.00165	0.0003342	1.05E-07	9.95E-09	6.02E-06	1.90E-09	1.79E-10
474863.09, 3848877.25	0.00139	0.0002815	8.89E-08	8.38E-09	5.07E-06	1.60E-09	1.51E-10
475363.09, 3848877.25	0.00142	0.0002876	9.08E-08	8.56E-09	5.18E-06	1.63E-09	1.54E-10
475863.09, 3848877.25	0.00165	0.0003342	1.05E-07	9.95E-09	6.02E-06	1.90E-09	1.79E-10
476363.09, 3848877.25	0.00168	0.0003403	1.07E-07	1.01E-08	6.13E-06	1.93E-09	1.82E-10
476863.09, 3848877.25	0.00157	0.000318	1.00E-07	9.46E-09	5.73E-06	1.81E-09	1.70E-10
477363.09, 3848877.25	0.00194	0.000393	1.24E-07	1.17E-08	7.07E-06	2.23E-09	2.11E-10
477863.09, 3848877.25	0.00173	0.0003504	1.11E-07	1.04E-08	6.31E-06	1.99E-09	1.88E-10
478363.09, 3848877.25	0.00167	0.0003383	1.07E-07	1.01E-08	6.09E-06	1.92E-09	1.81E-10
478863.09, 3848877.25	0.00146	0.0002957	9.33E-08	8.80E-09	5.32E-06	1.68E-09	1.58E-10
479363.09, 3848877.25	0.0013	0.0002633	8.31E-08	7.84E-09	4.74E-06	1.50E-09	1.41E-10
479863.09, 3848877.25	0.00118	0.000239	7.54E-08	7.11E-09	4.30E-06	1.36E-09	1.28E-10
480363.09, 3848877.25	0.00123	0.0002491	7.86E-08	7.41E-09	4.49E-06	1.42E-09	1.33E-10
480863.09, 3848877.25	0.00128	0.0002593	8.18E-08	7.72E-09	4.67E-06	1.47E-09	1.39E-10
481363.09, 3848877.25	0.00131	0.0002653	8.37E-08	7.90E-09	4.78E-06	1.51E-09	1.42E-10
481863.09, 3848877.25	0.00123	0.0002491	7.86E-08	7.41E-09	4.49E-06	1.42E-09	1.33E-10
482363.09, 3848877.25	0.00113	0.0002289	7.22E-08	6.81E-09	4.12E-06	1.30E-09	1.23E-10
482863.09, 3848877.25	0.00104	0.0002107	6.65E-08	6.27E-09	3.79E-06	1.20E-09	1.13E-10
483363.09, 3848877.25	0.00094	0.0001904	6.01E-08	5.67E-09	3.43E-06	1.08E-09	1.02E-10
483863.09, 3848877.25	0.00088	0.0001782	5.63E-08	5.30E-09	3.21E-06	1.01E-09	9.55E-11
484363.09, 3848877.25	0.00091	0.0001843	5.82E-08	5.49E-09	3.32E-06	1.05E-09	9.88E-11

484863.09, 3848877.25	0.00095	0.0001924	6.07E-08	5.73E-09	3.46E-06	1.09E-09	1.03E-10
485363.09, 3848877.25	0.00093	0.0001884	5.95E-08	5.61E-09	3.39E-06	1.07E-09	1.01E-10
485863.09, 3848877.25	0.00087	0.0001762	5.56E-08	5.24E-09	3.17E-06	1.00E-09	9.44E-11
486363.09, 3848877.25	0.00081	0.0001641	5.18E-08	4.88E-09	2.95E-06	9.32E-10	8.79E-11
486863.09, 3848877.25	0.00079	0.00016	5.05E-08	4.76E-09	2.88E-06	9.09E-10	8.57E-11
487363.09, 3848877.25	0.00079	0.00016	5.05E-08	4.76E-09	2.88E-06	9.09E-10	8.57E-11
487863.09, 3848877.25	0.00076	0.0001539	4.86E-08	4.58E-09	2.77E-06	8.75E-10	8.25E-11
488363.09, 3848877.25	0.00074	0.0001499	4.73E-08	4.46E-09	2.70E-06	8.52E-10	8.03E-11
488863.09, 3848877.25	0.00073	0.0001479	4.67E-08	4.40E-09	2.66E-06	8.40E-10	7.92E-11
489363.09, 3848877.25	0.00072	0.0001458	4.60E-08	4.34E-09	2.63E-06	8.29E-10	7.81E-11
489863.09, 3848877.25	0.00072	0.0001458	4.60E-08	4.34E-09	2.63E-06	8.29E-10	7.81E-11
490363.09, 3848877.25	0.00073	0.0001479	4.67E-08	4.40E-09	2.66E-06	8.40E-10	7.92E-11
490863.09, 3848877.25	0.00072	0.0001458	4.60E-08	4.34E-09	2.63E-06	8.29E-10	7.81E-11
491363.09, 3848877.25	0.00068	0.0001377	4.35E-08	4.10E-09	2.48E-06	7.83E-10	7.38E-11
491863.09, 3848877.25	0.00061	0.0001236	3.90E-08	3.68E-09	2.22E-06	7.02E-10	6.62E-11
492363.09, 3848877.25	0.00056	0.0001134	3.58E-08	3.38E-09	2.04E-06	6.45E-10	6.08E-11
492863.09, 3848877.25	0.00052	0.0001053	3.32E-08	3.13E-09	1.90E-06	5.98E-10	5.64E-11
493363.09, 3848877.25	0.00049	9.925E-05	3.13E-08	2.95E-09	1.79E-06	5.64E-10	5.32E-11
493863.09, 3848877.25	0.00048	9.723E-05	3.07E-08	2.89E-09	1.75E-06	5.52E-10	5.21E-11
494363.09, 3848877.25	0.00045	9.115E-05	2.88E-08	2.71E-09	1.64E-06	5.18E-10	4.88E-11
494863.09, 3848877.25	0.00043	8.71E-05	2.75E-08	2.59E-09	1.57E-06	4.95E-10	4.67E-11
495363.09, 3848877.25	0.00043	8.71E-05	2.75E-08	2.59E-09	1.57E-06	4.95E-10	4.67E-11
495863.09, 3848877.25	0.00041	8.305E-05	2.62E-08	2.47E-09	1.50E-06	4.72E-10	4.45E-11
496363.09, 3848877.25	0.0004	8.102E-05	2.56E-08	2.41E-09	1.46E-06	4.60E-10	4.34E-11
496863.09, 3848877.25	0.00042	8.507E-05	2.69E-08	2.53E-09	1.53E-06	4.83E-10	4.56E-11
497363.09, 3848877.25	0.00046	9.317E-05	2.94E-08	2.77E-09	1.68E-06	5.29E-10	4.99E-11
497863.09, 3848877.25	0.00049	9.925E-05	3.13E-08	2.95E-09	1.79E-06	5.64E-10	5.32E-11
498363.09, 3848877.25	0.0005	0.0001013	3.20E-08	3.01E-09	1.82E-06	5.75E-10	5.43E-11
471363.09, 3849377.25	0.00129	0.0002613	8.25E-08	7.78E-09	4.70E-06	1.48E-09	1.40E-10
471863.09, 3849377.25	0.00156	0.000316	9.97E-08	9.40E-09	5.69E-06	1.80E-09	1.69E-10
472363.09, 3849377.25	0.00171	0.0003464	1.09E-07	1.03E-08	6.24E-06	1.97E-09	1.86E-10
472863.09, 3849377.25	0.00182	0.0003686	1.16E-07	1.10E-08	6.64E-06	2.09E-09	1.98E-10
473363.09, 3849377.25	0.00189	0.0003828	1.21E-07	1.14E-08	6.89E-06	2.18E-09	2.05E-10
473863.09, 3849377.25	0.00194	0.000393	1.24E-07	1.17E-08	7.07E-06	2.23E-09	2.11E-10
474363.09, 3849377.25	0.00189	0.0003828	1.21E-07	1.14E-08	6.89E-06	2.18E-09	2.05E-10
474863.09, 3849377.25	0.00178	0.0003605	1.14E-07	1.07E-08	6.49E-06	2.05E-09	1.93E-10
475363.09, 3849377.25	0.00171	0.0003464	1.09E-07	1.03E-08	6.24E-06	1.97E-09	1.86E-10
475863.09, 3849377.25	0.00188	0.0003808	1.20E-07	1.13E-08	6.86E-06	2.16E-09	2.04E-10
476363.09, 3849377.25	0.00203	0.0004112	1.30E-07	1.22E-08	7.40E-06	2.34E-09	2.20E-10
476863.09, 3849377.25	0.00209	0.0004233	1.34E-07	1.26E-08	7.62E-06	2.41E-09	2.27E-10
477363.09, 3849377.25	0.00208	0.0004213	1.33E-07	1.25E-08	7.59E-06	2.39E-09	2.26E-10
477863.09, 3849377.25	0.00203	0.0004112	1.30E-07	1.22E-08	7.40E-06	2.34E-09	2.20E-10
478363.09, 3849377.25	0.00195	0.000395	1.25E-07	1.18E-08	7.11E-06	2.24E-09	2.12E-10
478863.09, 3849377.25	0.00166	0.0003362	1.06E-07	1.00E-08	6.05E-06	1.91E-09	1.80E-10
479363.09, 3849377.25	0.00155	0.000314	9.91E-08	9.34E-09	5.65E-06	1.78E-09	1.68E-10
479863.09, 3849377.25	0.00135	0.0002734	8.63E-08	8.14E-09	4.92E-06	1.55E-09	1.46E-10
480363.09, 3849377.25	0.0015	0.0003038	9.59E-08	9.04E-09	5.47E-06	1.73E-09	1.63E-10
480863.09, 3849377.25	0.00147	0.0002978	9.40E-08	8.86E-09	5.36E-06	1.69E-09	1.60E-10
481363.09, 3849377.25	0.00137	0.0002775	8.76E-08	8.26E-09	5.00E-06	1.58E-09	1.49E-10
481863.09, 3849377.25	0.00119	0.000241	7.61E-08	7.17E-09	4.34E-06	1.37E-09	1.29E-10
482363.09, 3849377.25	0.00116	0.000235	7.42E-08	6.99E-09	4.23E-06	1.34E-09	1.26E-10
482863.09, 3849377.25	0.00109	0.0002208	6.97E-08	6.57E-09	3.97E-06	1.25E-09	1.18E-10
483363.09, 3849377.25	0.00102	0.0002066	6.52E-08	6.15E-09	3.72E-06	1.17E-09	1.11E-10
483863.09, 3849377.25	0.00092	0.0001863	5.88E-08	5.55E-09	3.35E-06	1.06E-09	9.98E-11
484363.09, 3849377.25	0.00097	0.0001965	6.20E-08	5.85E-09	3.54E-06	1.12E-09	1.05E-10
484863.09, 3849377.25	0.00102	0.0002066	6.52E-08	6.15E-09	3.72E-06	1.17E-09	1.11E-10
485363.09, 3849377.25	0.00102	0.0002066	6.52E-08	6.15E-09	3.72E-06	1.17E-09	1.11E-10
485863.09, 3849377.25	0.00092	0.0001863	5.88E-08	5.55E-09	3.35E-06	1.06E-09	9.98E-11
486363.09, 3849377.25	0.00083	0.0001681	5.31E-08	5.00E-09	3.03E-06	9.55E-10	9.01E-11
486863.09, 3849377.25	0.00083	0.0001681	5.31E-08	5.00E-09	3.03E-06	9.55E-10	9.01E-11

487363.09, 3849377.25	0.00083	0.0001681	5.31E-08	5.00E-09	3.03E-06	9.55E-10	9.01E-11
487863.09, 3849377.25	0.00083	0.0001681	5.31E-08	5.00E-09	3.03E-06	9.55E-10	9.01E-11
488363.09, 3849377.25	0.00081	0.0001641	5.18E-08	4.88E-09	2.95E-06	9.32E-10	8.79E-11
488863.09, 3849377.25	0.00079	0.00016	5.05E-08	4.76E-09	2.88E-06	9.09E-10	8.57E-11
489363.09, 3849377.25	0.00077	0.000156	4.92E-08	4.64E-09	2.81E-06	8.86E-10	8.36E-11
489863.09, 3849377.25	0.00076	0.0001539	4.86E-08	4.58E-09	2.77E-06	8.75E-10	8.25E-11
490363.09, 3849377.25	0.00076	0.0001539	4.86E-08	4.58E-09	2.77E-06	8.75E-10	8.25E-11
490863.09, 3849377.25	0.00076	0.0001539	4.86E-08	4.58E-09	2.77E-06	8.75E-10	8.25E-11
491363.09, 3849377.25	0.00074	0.0001499	4.73E-08	4.46E-09	2.70E-06	8.52E-10	8.03E-11
491863.09, 3849377.25	0.00066	0.0001337	4.22E-08	3.98E-09	2.41E-06	7.60E-10	7.16E-11
492363.09, 3849377.25	0.0006	0.0001215	3.84E-08	3.62E-09	2.19E-06	6.91E-10	6.51E-11
492863.09, 3849377.25	0.00055	0.0001114	3.52E-08	3.32E-09	2.01E-06	6.33E-10	5.97E-11
493363.09, 3849377.25	0.00052	0.0001053	3.32E-08	3.13E-09	1.90E-06	5.98E-10	5.64E-11
493863.09, 3849377.25	0.0005	0.0001013	3.20E-08	3.01E-09	1.82E-06	5.75E-10	5.43E-11
494363.09, 3849377.25	0.00048	9.723E-05	3.07E-08	2.89E-09	1.75E-06	5.52E-10	5.21E-11
494863.09, 3849377.25	0.00049	9.925E-05	3.13E-08	2.95E-09	1.79E-06	5.64E-10	5.32E-11
495363.09, 3849377.25	0.00049	9.925E-05	3.13E-08	2.95E-09	1.79E-06	5.64E-10	5.32E-11
495863.09, 3849377.25	0.00042	8.507E-05	2.69E-08	2.53E-09	1.53E-06	4.83E-10	4.56E-11
496363.09, 3849377.25	0.00041	8.305E-05	2.62E-08	2.47E-09	1.50E-06	4.72E-10	4.45E-11
496863.09, 3849377.25	0.00046	9.317E-05	2.94E-08	2.77E-09	1.68E-06	5.29E-10	4.99E-11
497363.09, 3849377.25	0.00048	9.723E-05	3.07E-08	2.89E-09	1.75E-06	5.52E-10	5.21E-11
497863.09, 3849377.25	0.00054	0.0001094	3.45E-08	3.25E-09	1.97E-06	6.22E-10	5.86E-11
498363.09, 3849377.25	0.00052	0.0001053	3.32E-08	3.13E-09	1.90E-06	5.98E-10	5.64E-11
471363.09, 3849877.25	0.00104	0.0002107	6.65E-08	6.27E-09	3.79E-06	1.20E-09	1.13E-10
471863.09, 3849877.25	0.00126	0.0002552	8.06E-08	7.59E-09	4.59E-06	1.45E-09	1.37E-10
472363.09, 3849877.25	0.00153	0.0003099	9.78E-08	9.22E-09	5.58E-06	1.76E-09	1.66E-10
472863.09, 3849877.25	0.00176	0.0003565	1.13E-07	1.06E-08	6.42E-06	2.03E-09	1.91E-10
473363.09, 3849877.25	0.00187	0.0003788	1.20E-07	1.13E-08	6.82E-06	2.15E-09	2.03E-10
473863.09, 3849877.25	0.002	0.0004051	1.28E-07	1.21E-08	7.29E-06	2.30E-09	2.17E-10
474363.09, 3849877.25	0.00211	0.0004274	1.35E-07	1.27E-08	7.69E-06	2.43E-09	2.29E-10
474863.09, 3849877.25	0.00214	0.0004335	1.37E-07	1.29E-08	7.80E-06	2.46E-09	2.32E-10
475363.09, 3849877.25	0.00199	0.0004031	1.27E-07	1.20E-08	7.26E-06	2.29E-09	2.16E-10
475863.09, 3849877.25	0.00192	0.0003889	1.23E-07	1.16E-08	7.00E-06	2.21E-09	2.08E-10
476363.09, 3849877.25	0.00198	0.0004011	1.27E-07	1.19E-08	7.22E-06	2.28E-09	2.15E-10
476863.09, 3849877.25	0.0022	0.0004456	1.41E-07	1.33E-08	8.02E-06	2.53E-09	2.39E-10
477363.09, 3849877.25	0.00246	0.0004983	1.57E-07	1.48E-08	8.97E-06	2.83E-09	2.67E-10
477863.09, 3849877.25	0.00247	0.0005003	1.58E-07	1.49E-08	9.01E-06	2.84E-09	2.68E-10
478363.09, 3849877.25	0.00241	0.0004882	1.54E-07	1.45E-08	8.79E-06	2.77E-09	2.62E-10
478863.09, 3849877.25	0.00235	0.000476	1.50E-07	1.42E-08	8.57E-06	2.70E-09	2.55E-10
479363.09, 3849877.25	0.00197	0.000399	1.26E-07	1.19E-08	7.18E-06	2.27E-09	2.14E-10
479863.09, 3849877.25	0.00189	0.0003828	1.21E-07	1.14E-08	6.89E-06	2.18E-09	2.05E-10
480363.09, 3849877.25	0.00166	0.0003362	1.06E-07	1.00E-08	6.05E-06	1.91E-09	1.80E-10
480863.09, 3849877.25	0.00148	0.0002998	9.46E-08	8.92E-09	5.40E-06	1.70E-09	1.61E-10
481363.09, 3849877.25	0.00142	0.0002876	9.08E-08	8.56E-09	5.18E-06	1.63E-09	1.54E-10
481863.09, 3849877.25	0.00118	0.000239	7.54E-08	7.11E-09	4.30E-06	1.36E-09	1.28E-10
482363.09, 3849877.25	0.00113	0.0002289	7.22E-08	6.81E-09	4.12E-06	1.30E-09	1.23E-10
482863.09, 3849877.25	0.00112	0.0002269	7.16E-08	6.75E-09	4.08E-06	1.29E-09	1.22E-10
483363.09, 3849877.25	0.00108	0.0002188	6.90E-08	6.51E-09	3.94E-06	1.24E-09	1.17E-10
483863.09, 3849877.25	0.00105	0.0002127	6.71E-08	6.33E-09	3.83E-06	1.21E-09	1.14E-10
484363.09, 3849877.25	0.00108	0.0002188	6.90E-08	6.51E-09	3.94E-06	1.24E-09	1.17E-10
484863.09, 3849877.25	0.00115	0.0002329	7.35E-08	6.93E-09	4.19E-06	1.32E-09	1.25E-10
485363.09, 3849877.25	0.00109	0.0002208	6.97E-08	6.57E-09	3.97E-06	1.25E-09	1.18E-10
485863.09, 3849877.25	0.00103	0.0002086	6.58E-08	6.21E-09	3.76E-06	1.19E-09	1.12E-10
486363.09, 3849877.25	0.00097	0.0001965	6.20E-08	5.85E-09	3.54E-06	1.12E-09	1.05E-10
486863.09, 3849877.25	0.00093	0.0001884	5.95E-08	5.61E-09	3.39E-06	1.07E-09	1.01E-10
487363.09, 3849877.25	0.00089	0.0001803	5.69E-08	5.36E-09	3.25E-06	1.02E-09	9.66E-11
487863.09, 3849877.25	0.00089	0.0001803	5.69E-08	5.36E-09	3.25E-06	1.02E-09	9.66E-11
488363.09, 3849877.25	0.00088	0.0001782	5.63E-08	5.30E-09	3.21E-06	1.01E-09	9.55E-11
488863.09, 3849877.25	0.00086	0.0001742	5.50E-08	5.18E-09	3.14E-06	9.90E-10	9.33E-11
489363.09, 3849877.25	0.00083	0.0001681	5.31E-08	5.00E-09	3.03E-06	9.55E-10	9.01E-11

489863.09, 3849877.25	0.00081	0.0001641	5.18E-08	4.88E-09	2.95E-06	9.32E-10	8.79E-11
490363.09, 3849877.25	0.0008	0.000162	5.11E-08	4.82E-09	2.92E-06	9.21E-10	8.68E-11
490863.09, 3849877.25	0.00081	0.0001641	5.18E-08	4.88E-09	2.95E-06	9.32E-10	8.79E-11
491363.09, 3849877.25	0.0008	0.000162	5.11E-08	4.82E-09	2.92E-06	9.21E-10	8.68E-11
491863.09, 3849877.25	0.00072	0.0001458	4.60E-08	4.34E-09	2.63E-06	8.29E-10	7.81E-11
492363.09, 3849877.25	0.00065	0.0001317	4.16E-08	3.92E-09	2.37E-06	7.48E-10	7.05E-11
492863.09, 3849877.25	0.0006	0.0001215	3.84E-08	3.62E-09	2.19E-06	6.91E-10	6.51E-11
493363.09, 3849877.25	0.00057	0.0001155	3.64E-08	3.44E-09	2.08E-06	6.56E-10	6.19E-11
493863.09, 3849877.25	0.00053	0.0001074	3.39E-08	3.19E-09	1.93E-06	6.10E-10	5.75E-11
494363.09, 3849877.25	0.00057	0.0001155	3.64E-08	3.44E-09	2.08E-06	6.56E-10	6.19E-11
494863.09, 3849877.25	0.00056	0.0001134	3.58E-08	3.38E-09	2.04E-06	6.45E-10	6.08E-11
495363.09, 3849877.25	0.00051	0.0001033	3.26E-08	3.07E-09	1.86E-06	5.87E-10	5.53E-11
495863.09, 3849877.25	0.00053	0.0001074	3.39E-08	3.19E-09	1.93E-06	6.10E-10	5.75E-11
496363.09, 3849877.25	0.00053	0.0001074	3.39E-08	3.19E-09	1.93E-06	6.10E-10	5.75E-11
496863.09, 3849877.25	0.00051	0.0001033	3.26E-08	3.07E-09	1.86E-06	5.87E-10	5.53E-11
497363.09, 3849877.25	0.00055	0.0001114	3.52E-08	3.32E-09	2.01E-06	6.33E-10	5.97E-11
497863.09, 3849877.25	0.00057	0.0001155	3.64E-08	3.44E-09	2.08E-06	6.56E-10	6.19E-11
498363.09, 3849877.25	0.00055	0.0001114	3.52E-08	3.32E-09	2.01E-06	6.33E-10	5.97E-11
471363.09, 3850377.25	0.00091	0.0001843	5.82E-08	5.49E-09	3.32E-06	1.05E-09	9.88E-11
471863.09, 3850377.25	0.00107	0.0002167	6.84E-08	6.45E-09	3.90E-06	1.23E-09	1.16E-10
472363.09, 3850377.25	0.00118	0.000239	7.54E-08	7.11E-09	4.30E-06	1.36E-09	1.28E-10
472863.09, 3850377.25	0.00149	0.0003018	9.53E-08	8.98E-09	5.43E-06	1.71E-09	1.62E-10
473363.09, 3850377.25	0.00161	0.0003261	1.03E-07	9.70E-09	5.87E-06	1.85E-09	1.75E-10
473863.09, 3850377.25	0.00185	0.0003747	1.18E-07	1.12E-08	6.75E-06	2.13E-09	2.01E-10
474363.09, 3850377.25	0.00206	0.0004173	1.32E-07	1.24E-08	7.51E-06	2.37E-09	2.24E-10
474863.09, 3850377.25	0.00222	0.0004497	1.42E-07	1.34E-08	8.10E-06	2.56E-09	2.41E-10
475363.09, 3850377.25	0.00235	0.000476	1.50E-07	1.42E-08	8.57E-06	2.70E-09	2.55E-10
475863.09, 3850377.25	0.00232	0.0004699	1.48E-07	1.40E-08	8.46E-06	2.67E-09	2.52E-10
476363.09, 3850377.25	0.00216	0.0004375	1.38E-07	1.30E-08	7.88E-06	2.49E-09	2.34E-10
476863.09, 3850377.25	0.00212	0.0004294	1.36E-07	1.28E-08	7.73E-06	2.44E-09	2.30E-10
477363.09, 3850377.25	0.00232	0.0004699	1.48E-07	1.40E-08	8.46E-06	2.67E-09	2.52E-10
477863.09, 3850377.25	0.00251	0.0005084	1.60E-07	1.51E-08	9.15E-06	2.89E-09	2.72E-10
478363.09, 3850377.25	0.00256	0.0005185	1.64E-07	1.54E-08	9.34E-06	2.95E-09	2.78E-10
478863.09, 3850377.25	0.00292	0.0005915	1.87E-07	1.76E-08	1.06E-05	3.36E-09	3.17E-10
479363.09, 3850377.25	0.00291	0.0005894	1.86E-07	1.75E-08	1.06E-05	3.35E-09	3.16E-10
479863.09, 3850377.25	0.00236	0.000478	1.51E-07	1.42E-08	8.61E-06	2.72E-09	2.56E-10
480363.09, 3850377.25	0.0021	0.0004254	1.34E-07	1.27E-08	7.66E-06	2.42E-09	2.28E-10
480863.09, 3850377.25	0.00211	0.0004274	1.35E-07	1.27E-08	7.69E-06	2.43E-09	2.29E-10
481363.09, 3850377.25	0.00152	0.0003079	9.72E-08	9.16E-09	5.54E-06	1.75E-09	1.65E-10
481863.09, 3850377.25	0.0015	0.0003038	9.59E-08	9.04E-09	5.47E-06	1.73E-09	1.63E-10
482363.09, 3850377.25	0.00146	0.0002957	9.33E-08	8.80E-09	5.32E-06	1.68E-09	1.58E-10
482863.09, 3850377.25	0.00126	0.0002552	8.06E-08	7.59E-09	4.59E-06	1.45E-09	1.37E-10
483363.09, 3850377.25	0.00121	0.0002451	7.74E-08	7.29E-09	4.41E-06	1.39E-09	1.31E-10
483863.09, 3850377.25	0.00126	0.0002552	8.06E-08	7.59E-09	4.59E-06	1.45E-09	1.37E-10
484363.09, 3850377.25	0.00129	0.0002613	8.25E-08	7.78E-09	4.70E-06	1.48E-09	1.40E-10
484863.09, 3850377.25	0.00131	0.0002653	8.37E-08	7.90E-09	4.78E-06	1.51E-09	1.42E-10
485363.09, 3850377.25	0.00123	0.0002491	7.86E-08	7.41E-09	4.49E-06	1.42E-09	1.33E-10
485863.09, 3850377.25	0.00115	0.0002329	7.35E-08	6.93E-09	4.19E-06	1.32E-09	1.25E-10
486363.09, 3850377.25	0.00114	0.0002309	7.29E-08	6.87E-09	4.16E-06	1.31E-09	1.24E-10
486863.09, 3850377.25	0.00108	0.0002188	6.90E-08	6.51E-09	3.94E-06	1.24E-09	1.17E-10
487363.09, 3850377.25	0.00098	0.0001985	6.27E-08	5.91E-09	3.57E-06	1.13E-09	1.06E-10
487863.09, 3850377.25	0.00095	0.0001924	6.07E-08	5.73E-09	3.46E-06	1.09E-09	1.03E-10
488363.09, 3850377.25	0.00095	0.0001924	6.07E-08	5.73E-09	3.46E-06	1.09E-09	1.03E-10
488863.09, 3850377.25	0.00094	0.0001904	6.01E-08	5.67E-09	3.43E-06	1.08E-09	1.02E-10
489363.09, 3850377.25	0.0009	0.0001823	5.75E-08	5.42E-09	3.28E-06	1.04E-09	9.77E-11
489863.09, 3850377.25	0.00087	0.0001762	5.56E-08	5.24E-09	3.17E-06	1.00E-09	9.44E-11
490363.09, 3850377.25	0.00085	0.0001722	5.43E-08	5.12E-09	3.10E-06	9.78E-10	9.22E-11
490863.09, 3850377.25	0.00086	0.0001742	5.50E-08	5.18E-09	3.14E-06	9.90E-10	9.33E-11
491363.09, 3850377.25	0.00086	0.0001742	5.50E-08	5.18E-09	3.14E-06	9.90E-10	9.33E-11
491863.09, 3850377.25	0.00079	0.00016	5.05E-08	4.76E-09	2.88E-06	9.09E-10	8.57E-11

492363.09, 3850377.25	0.0007	0.0001418	4.48E-08	4.22E-09	2.55E-06	8.06E-10	7.60E-11
492863.09, 3850377.25	0.00065	0.0001317	4.16E-08	3.92E-09	2.37E-06	7.48E-10	7.05E-11
493363.09, 3850377.25	0.00062	0.0001256	3.96E-08	3.74E-09	2.26E-06	7.14E-10	6.73E-11
493863.09, 3850377.25	0.00064	0.0001296	4.09E-08	3.86E-09	2.33E-06	7.37E-10	6.95E-11
494363.09, 3850377.25	0.00062	0.0001256	3.96E-08	3.74E-09	2.26E-06	7.14E-10	6.73E-11
494863.09, 3850377.25	0.00061	0.0001236	3.90E-08	3.68E-09	2.22E-06	7.02E-10	6.62E-11
495363.09, 3850377.25	0.00061	0.0001236	3.90E-08	3.68E-09	2.22E-06	7.02E-10	6.62E-11
495863.09, 3850377.25	0.00059	0.0001195	3.77E-08	3.56E-09	2.15E-06	6.79E-10	6.40E-11
496363.09, 3850377.25	0.00059	0.0001195	3.77E-08	3.56E-09	2.15E-06	6.79E-10	6.40E-11
496863.09, 3850377.25	0.00059	0.0001195	3.77E-08	3.56E-09	2.15E-06	6.79E-10	6.40E-11
497363.09, 3850377.25	0.00059	0.0001195	3.77E-08	3.56E-09	2.15E-06	6.79E-10	6.40E-11
497863.09, 3850377.25	0.0006	0.0001215	3.84E-08	3.62E-09	2.19E-06	6.91E-10	6.51E-11
498363.09, 3850377.25	0.00058	0.0001175	3.71E-08	3.50E-09	2.12E-06	6.68E-10	6.29E-11
471363.09, 3850877.25	0.00102	0.0002066	6.52E-08	6.15E-09	3.72E-06	1.17E-09	1.11E-10
471863.09, 3850877.25	0.00107	0.0002167	6.84E-08	6.45E-09	3.90E-06	1.23E-09	1.16E-10
472363.09, 3850877.25	0.00116	0.000235	7.42E-08	6.99E-09	4.23E-06	1.34E-09	1.26E-10
472863.09, 3850877.25	0.00137	0.0002775	8.76E-08	8.26E-09	5.00E-06	1.58E-09	1.49E-10
473363.09, 3850877.25	0.0013	0.0002633	8.31E-08	7.84E-09	4.74E-06	1.50E-09	1.41E-10
473863.09, 3850877.25	0.00152	0.0003079	9.72E-08	9.16E-09	5.54E-06	1.75E-09	1.65E-10
474363.09, 3850877.25	0.00191	0.0003869	1.22E-07	1.15E-08	6.97E-06	2.20E-09	2.07E-10
474863.09, 3850877.25	0.00211	0.0004274	1.35E-07	1.27E-08	7.69E-06	2.43E-09	2.29E-10
475363.09, 3850877.25	0.0023	0.0004659	1.47E-07	1.39E-08	8.39E-06	2.65E-09	2.50E-10
475863.09, 3850877.25	0.00249	0.0005044	1.59E-07	1.50E-08	9.08E-06	2.87E-09	2.70E-10
476363.09, 3850877.25	0.0026	0.0005266	1.66E-07	1.57E-08	9.48E-06	2.99E-09	2.82E-10
476863.09, 3850877.25	0.00254	0.0005145	1.62E-07	1.53E-08	9.26E-06	2.92E-09	2.76E-10
477363.09, 3850877.25	0.00244	0.0004942	1.56E-07	1.47E-08	8.90E-06	2.81E-09	2.65E-10
477863.09, 3850877.25	0.0025	0.0005064	1.60E-07	1.51E-08	9.12E-06	2.88E-09	2.71E-10
478363.09, 3850877.25	0.0027	0.0005469	1.73E-07	1.63E-08	9.85E-06	3.11E-09	2.93E-10
478863.09, 3850877.25	0.0031	0.0006279	1.98E-07	1.87E-08	1.13E-05	3.57E-09	3.36E-10
479363.09, 3850877.25	0.00335	0.0006786	2.14E-07	2.02E-08	1.22E-05	3.86E-09	3.64E-10
479863.09, 3850877.25	0.00316	0.0006401	2.02E-07	1.90E-08	1.15E-05	3.64E-09	3.43E-10
480363.09, 3850877.25	0.00314	0.000636	2.01E-07	1.89E-08	1.15E-05	3.61E-09	3.41E-10
480863.09, 3850877.25	0.00271	0.0005489	1.73E-07	1.63E-08	9.88E-06	3.12E-09	2.94E-10
481363.09, 3850877.25	0.00247	0.0005003	1.58E-07	1.49E-08	9.01E-06	2.84E-09	2.68E-10
481863.09, 3850877.25	0.00214	0.0004335	1.37E-07	1.29E-08	7.80E-06	2.46E-09	2.32E-10
482363.09, 3850877.25	0.00176	0.0003565	1.13E-07	1.06E-08	6.42E-06	2.03E-09	1.91E-10
482863.09, 3850877.25	0.00156	0.000316	9.97E-08	9.40E-09	5.69E-06	1.80E-09	1.69E-10
483363.09, 3850877.25	0.00141	0.0002856	9.01E-08	8.50E-09	5.14E-06	1.62E-09	1.53E-10
483863.09, 3850877.25	0.00146	0.0002957	9.33E-08	8.80E-09	5.32E-06	1.68E-09	1.58E-10
484363.09, 3850877.25	0.00157	0.000318	1.00E-07	9.46E-09	5.73E-06	1.81E-09	1.70E-10
484863.09, 3850877.25	0.00147	0.0002978	9.40E-08	8.86E-09	5.36E-06	1.69E-09	1.60E-10
485363.09, 3850877.25	0.00142	0.0002876	9.08E-08	8.56E-09	5.18E-06	1.63E-09	1.54E-10
485863.09, 3850877.25	0.00126	0.0002552	8.06E-08	7.59E-09	4.59E-06	1.45E-09	1.37E-10
486363.09, 3850877.25	0.00125	0.0002532	7.99E-08	7.53E-09	4.56E-06	1.44E-09	1.36E-10
486863.09, 3850877.25	0.00122	0.0002471	7.80E-08	7.35E-09	4.45E-06	1.40E-09	1.32E-10
487363.09, 3850877.25	0.00113	0.0002289	7.22E-08	6.81E-09	4.12E-06	1.30E-09	1.23E-10
487863.09, 3850877.25	0.00103	0.0002086	6.58E-08	6.21E-09	3.76E-06	1.19E-09	1.12E-10
488363.09, 3850877.25	0.00101	0.0002046	6.46E-08	6.09E-09	3.68E-06	1.16E-09	1.10E-10
488863.09, 3850877.25	0.00102	0.0002066	6.52E-08	6.15E-09	3.72E-06	1.17E-09	1.11E-10
489363.09, 3850877.25	0.001	0.0002026	6.39E-08	6.03E-09	3.65E-06	1.15E-09	1.09E-10
489863.09, 3850877.25	0.00094	0.0001904	6.01E-08	5.67E-09	3.43E-06	1.08E-09	1.02E-10
490363.09, 3850877.25	0.00092	0.0001863	5.88E-08	5.55E-09	3.35E-06	1.06E-09	9.98E-11
490863.09, 3850877.25	0.00092	0.0001863	5.88E-08	5.55E-09	3.35E-06	1.06E-09	9.98E-11
491363.09, 3850877.25	0.00093	0.0001884	5.95E-08	5.61E-09	3.39E-06	1.07E-09	1.01E-10
491863.09, 3850877.25	0.00088	0.0001782	5.63E-08	5.30E-09	3.21E-06	1.01E-09	9.55E-11
492363.09, 3850877.25	0.00079	0.00016	5.05E-08	4.76E-09	2.88E-06	9.09E-10	8.57E-11
492863.09, 3850877.25	0.00073	0.0001479	4.67E-08	4.40E-09	2.66E-06	8.40E-10	7.92E-11
493363.09, 3850877.25	0.0007	0.0001418	4.48E-08	4.22E-09	2.55E-06	8.06E-10	7.60E-11
493863.09, 3850877.25	0.00073	0.0001479	4.67E-08	4.40E-09	2.66E-06	8.40E-10	7.92E-11
494363.09, 3850877.25	0.00071	0.0001438	4.54E-08	4.28E-09	2.59E-06	8.17E-10	7.70E-11

494863.09, 3850877.25	0.00069	0.0001398	4.41E-08	4.16E-09	2.52E-06	7.94E-10	7.49E-11
495363.09, 3850877.25	0.00067	0.0001357	4.28E-08	4.04E-09	2.44E-06	7.71E-10	7.27E-11
495863.09, 3850877.25	0.00066	0.0001337	4.22E-08	3.98E-09	2.41E-06	7.60E-10	7.16E-11
496363.09, 3850877.25	0.00065	0.0001317	4.16E-08	3.92E-09	2.37E-06	7.48E-10	7.05E-11
496863.09, 3850877.25	0.00064	0.0001296	4.09E-08	3.86E-09	2.33E-06	7.37E-10	6.95E-11
497363.09, 3850877.25	0.00064	0.0001296	4.09E-08	3.86E-09	2.33E-06	7.37E-10	6.95E-11
497863.09, 3850877.25	0.00064	0.0001296	4.09E-08	3.86E-09	2.33E-06	7.37E-10	6.95E-11
498363.09, 3850877.25	0.00061	0.0001236	3.90E-08	3.68E-09	2.22E-06	7.02E-10	6.62E-11
471363.09, 3851377.25	0.00114	0.0002309	7.29E-08	6.87E-09	4.16E-06	1.31E-09	1.24E-10
471863.09, 3851377.25	0.00127	0.0002572	8.12E-08	7.66E-09	4.63E-06	1.46E-09	1.38E-10
472363.09, 3851377.25	0.00123	0.0002491	7.86E-08	7.41E-09	4.49E-06	1.42E-09	1.33E-10
472863.09, 3851377.25	0.00122	0.0002471	7.80E-08	7.35E-09	4.45E-06	1.40E-09	1.32E-10
473363.09, 3851377.25	0.00115	0.0002329	7.35E-08	6.93E-09	4.19E-06	1.32E-09	1.25E-10
473863.09, 3851377.25	0.0012	0.0002431	7.67E-08	7.23E-09	4.38E-06	1.38E-09	1.30E-10
474363.09, 3851377.25	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
474863.09, 3851377.25	0.00172	0.0003484	1.10E-07	1.04E-08	6.27E-06	1.98E-09	1.87E-10
475363.09, 3851377.25	0.00203	0.0004112	1.30E-07	1.22E-08	7.40E-06	2.34E-09	2.20E-10
475863.09, 3851377.25	0.00225	0.0004557	1.44E-07	1.36E-08	8.20E-06	2.59E-09	2.44E-10
476363.09, 3851377.25	0.00245	0.0004963	1.57E-07	1.48E-08	8.93E-06	2.82E-09	2.66E-10
476863.09, 3851377.25	0.00245	0.0004963	1.57E-07	1.48E-08	8.93E-06	2.82E-09	2.66E-10
477363.09, 3851377.25	0.00283	0.0005732	1.81E-07	1.71E-08	1.03E-05	3.26E-09	3.07E-10
477863.09, 3851377.25	0.00278	0.0005631	1.78E-07	1.68E-08	1.01E-05	3.20E-09	3.02E-10
478363.09, 3851377.25	0.00265	0.0005368	1.69E-07	1.60E-08	9.66E-06	3.05E-09	2.88E-10
478863.09, 3851377.25	0.00284	0.0005753	1.82E-07	1.71E-08	1.04E-05	3.27E-09	3.08E-10
479363.09, 3851377.25	0.00316	0.0006401	2.02E-07	1.90E-08	1.15E-05	3.64E-09	3.43E-10
479863.09, 3851377.25	0.00366	0.0007413	2.34E-07	2.21E-08	1.33E-05	4.21E-09	3.97E-10
480363.09, 3851377.25	0.00394	0.0007981	2.52E-07	2.37E-08	1.44E-05	4.53E-09	4.28E-10
480863.09, 3851377.25	0.00379	0.0007677	2.42E-07	2.28E-08	1.38E-05	4.36E-09	4.11E-10
481363.09, 3851377.25	0.00324	0.0006563	2.07E-07	1.95E-08	1.18E-05	3.73E-09	3.52E-10
481863.09, 3851377.25	0.00267	0.0005408	1.71E-07	1.61E-08	9.74E-06	3.07E-09	2.90E-10
482363.09, 3851377.25	0.00239	0.0004841	1.53E-07	1.44E-08	8.72E-06	2.75E-09	2.59E-10
482863.09, 3851377.25	0.00189	0.0003828	1.21E-07	1.14E-08	6.89E-06	2.18E-09	2.05E-10
483363.09, 3851377.25	0.00168	0.0003403	1.07E-07	1.01E-08	6.13E-06	1.93E-09	1.82E-10
483863.09, 3851377.25	0.00162	0.0003281	1.04E-07	9.76E-09	5.91E-06	1.86E-09	1.76E-10
484363.09, 3851377.25	0.0019	0.0003849	1.21E-07	1.15E-08	6.93E-06	2.19E-09	2.06E-10
484863.09, 3851377.25	0.0016	0.0003241	1.02E-07	9.64E-09	5.83E-06	1.84E-09	1.74E-10
485363.09, 3851377.25	0.00166	0.0003362	1.06E-07	1.00E-08	6.05E-06	1.91E-09	1.80E-10
485863.09, 3851377.25	0.00145	0.0002937	9.27E-08	8.74E-09	5.29E-06	1.67E-09	1.57E-10
486363.09, 3851377.25	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
486863.09, 3851377.25	0.00135	0.0002734	8.63E-08	8.14E-09	4.92E-06	1.55E-09	1.46E-10
487363.09, 3851377.25	0.00125	0.0002532	7.99E-08	7.53E-09	4.56E-06	1.44E-09	1.36E-10
487863.09, 3851377.25	0.00118	0.000239	7.54E-08	7.11E-09	4.30E-06	1.36E-09	1.28E-10
488363.09, 3851377.25	0.00109	0.0002208	6.97E-08	6.57E-09	3.97E-06	1.25E-09	1.18E-10
488863.09, 3851377.25	0.00109	0.0002208	6.97E-08	6.57E-09	3.97E-06	1.25E-09	1.18E-10
489363.09, 3851377.25	0.00108	0.0002188	6.90E-08	6.51E-09	3.94E-06	1.24E-09	1.17E-10
489863.09, 3851377.25	0.00105	0.0002127	6.71E-08	6.33E-09	3.83E-06	1.21E-09	1.14E-10
490363.09, 3851377.25	0.00099	0.0002005	6.33E-08	5.97E-09	3.61E-06	1.14E-09	1.07E-10
490863.09, 3851377.25	0.00097	0.0001965	6.20E-08	5.85E-09	3.54E-06	1.12E-09	1.05E-10
491363.09, 3851377.25	0.00099	0.0002005	6.33E-08	5.97E-09	3.61E-06	1.14E-09	1.07E-10
491863.09, 3851377.25	0.00096	0.0001945	6.14E-08	5.79E-09	3.50E-06	1.10E-09	1.04E-10
492363.09, 3851377.25	0.00089	0.0001803	5.69E-08	5.36E-09	3.25E-06	1.02E-09	9.66E-11
492863.09, 3851377.25	0.00081	0.0001641	5.18E-08	4.88E-09	2.95E-06	9.32E-10	8.79E-11
493363.09, 3851377.25	0.00074	0.0001499	4.73E-08	4.46E-09	2.70E-06	8.52E-10	8.03E-11
493863.09, 3851377.25	0.00076	0.0001539	4.86E-08	4.58E-09	2.77E-06	8.75E-10	8.25E-11
494363.09, 3851377.25	0.0008	0.000162	5.11E-08	4.82E-09	2.92E-06	9.21E-10	8.68E-11
494863.09, 3851377.25	0.00075	0.0001519	4.79E-08	4.52E-09	2.73E-06	8.63E-10	8.14E-11
495363.09, 3851377.25	0.00075	0.0001519	4.79E-08	4.52E-09	2.73E-06	8.63E-10	8.14E-11
495863.09, 3851377.25	0.00074	0.0001499	4.73E-08	4.46E-09	2.70E-06	8.52E-10	8.03E-11
496363.09, 3851377.25	0.00072	0.0001458	4.60E-08	4.34E-09	2.63E-06	8.29E-10	7.81E-11
496863.09, 3851377.25	0.00069	0.0001398	4.41E-08	4.16E-09	2.52E-06	7.94E-10	7.49E-11

497363.09, 3851377.25	0.00069	0.0001398	4.41E-08	4.16E-09	2.52E-06	7.94E-10	7.49E-11
497863.09, 3851377.25	0.00068	0.0001377	4.35E-08	4.10E-09	2.48E-06	7.83E-10	7.38E-11
498363.09, 3851377.25	0.00064	0.0001296	4.09E-08	3.86E-09	2.33E-06	7.37E-10	6.95E-11
471363.09, 3851877.25	0.00137	0.0002775	8.76E-08	8.26E-09	5.00E-06	1.58E-09	1.49E-10
471863.09, 3851877.25	0.00127	0.0002572	8.12E-08	7.66E-09	4.63E-06	1.46E-09	1.38E-10
472363.09, 3851877.25	0.00131	0.0002653	8.37E-08	7.90E-09	4.78E-06	1.51E-09	1.42E-10
472863.09, 3851877.25	0.00133	0.0002694	8.50E-08	8.02E-09	4.85E-06	1.53E-09	1.44E-10
473363.09, 3851877.25	0.00122	0.0002471	7.80E-08	7.35E-09	4.45E-06	1.40E-09	1.32E-10
473863.09, 3851877.25	0.0012	0.0002431	7.67E-08	7.23E-09	4.38E-06	1.38E-09	1.30E-10
474363.09, 3851877.25	0.00132	0.0002674	8.44E-08	7.96E-09	4.81E-06	1.52E-09	1.43E-10
474863.09, 3851877.25	0.00151	0.0003059	9.65E-08	9.10E-09	5.51E-06	1.74E-09	1.64E-10
475363.09, 3851877.25	0.00169	0.0003423	1.08E-07	1.02E-08	6.16E-06	1.95E-09	1.83E-10
475863.09, 3851877.25	0.00182	0.0003686	1.16E-07	1.10E-08	6.64E-06	2.09E-09	1.98E-10
476363.09, 3851877.25	0.0018	0.0003646	1.15E-07	1.08E-08	6.56E-06	2.07E-09	1.95E-10
476863.09, 3851877.25	0.00207	0.0004193	1.32E-07	1.25E-08	7.55E-06	2.38E-09	2.25E-10
477363.09, 3851877.25	0.00232	0.0004699	1.48E-07	1.40E-08	8.46E-06	2.67E-09	2.52E-10
477863.09, 3851877.25	0.00236	0.000478	1.51E-07	1.42E-08	8.61E-06	2.72E-09	2.56E-10
478363.09, 3851877.25	0.00231	0.0004679	1.48E-07	1.39E-08	8.42E-06	2.66E-09	2.51E-10
478863.09, 3851877.25	0.00237	0.0004801	1.52E-07	1.43E-08	8.64E-06	2.73E-09	2.57E-10
479363.09, 3851877.25	0.00282	0.0005712	1.80E-07	1.70E-08	1.03E-05	3.25E-09	3.06E-10
479863.09, 3851877.25	0.00333	0.0006745	2.13E-07	2.01E-08	1.21E-05	3.83E-09	3.61E-10
480363.09, 3851877.25	0.00373	0.0007555	2.38E-07	2.25E-08	1.36E-05	4.29E-09	4.05E-10
480863.09, 3851877.25	0.00425	0.0008609	2.72E-07	2.56E-08	1.55E-05	4.89E-09	4.61E-10
481363.09, 3851877.25	0.00448	0.0009074	2.86E-07	2.70E-08	1.63E-05	5.16E-09	4.86E-10
481863.09, 3851877.25	0.00345	0.0006988	2.21E-07	2.08E-08	1.26E-05	3.97E-09	3.74E-10
482363.09, 3851877.25	0.00233	0.0004719	1.49E-07	1.40E-08	8.50E-06	2.68E-09	2.53E-10
482863.09, 3851877.25	0.00191	0.0003869	1.22E-07	1.15E-08	6.97E-06	2.20E-09	2.07E-10
483363.09, 3851877.25	0.00195	0.000395	1.25E-07	1.18E-08	7.11E-06	2.24E-09	2.12E-10
483863.09, 3851877.25	0.00192	0.0003889	1.23E-07	1.16E-08	7.00E-06	2.21E-09	2.08E-10
484363.09, 3851877.25	0.00221	0.0004476	1.41E-07	1.33E-08	8.06E-06	2.54E-09	2.40E-10
484863.09, 3851877.25	0.00207	0.0004193	1.32E-07	1.25E-08	7.55E-06	2.38E-09	2.25E-10
485363.09, 3851877.25	0.002	0.0004051	1.28E-07	1.21E-08	7.29E-06	2.30E-09	2.17E-10
485863.09, 3851877.25	0.00186	0.0003767	1.19E-07	1.12E-08	6.78E-06	2.14E-09	2.02E-10
486363.09, 3851877.25	0.00161	0.0003261	1.03E-07	9.70E-09	5.87E-06	1.85E-09	1.75E-10
486863.09, 3851877.25	0.0015	0.0003038	9.59E-08	9.04E-09	5.47E-06	1.73E-09	1.63E-10
487363.09, 3851877.25	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
487863.09, 3851877.25	0.00131	0.0002653	8.37E-08	7.90E-09	4.78E-06	1.51E-09	1.42E-10
488363.09, 3851877.25	0.0012	0.0002431	7.67E-08	7.23E-09	4.38E-06	1.38E-09	1.30E-10
488863.09, 3851877.25	0.00112	0.0002269	7.16E-08	6.75E-09	4.08E-06	1.29E-09	1.22E-10
489363.09, 3851877.25	0.00111	0.0002248	7.10E-08	6.69E-09	4.05E-06	1.28E-09	1.20E-10
489863.09, 3851877.25	0.00108	0.0002188	6.90E-08	6.51E-09	3.94E-06	1.24E-09	1.17E-10
490363.09, 3851877.25	0.00104	0.0002107	6.65E-08	6.27E-09	3.79E-06	1.20E-09	1.13E-10
490863.09, 3851877.25	0.00102	0.0002066	6.52E-08	6.15E-09	3.72E-06	1.17E-09	1.11E-10
491363.09, 3851877.25	0.00104	0.0002107	6.65E-08	6.27E-09	3.79E-06	1.20E-09	1.13E-10
491863.09, 3851877.25	0.00106	0.0002147	6.78E-08	6.39E-09	3.87E-06	1.22E-09	1.15E-10
492363.09, 3851877.25	0.00099	0.0002005	6.33E-08	5.97E-09	3.61E-06	1.14E-09	1.07E-10
492863.09, 3851877.25	0.00086	0.0001742	5.50E-08	5.18E-09	3.14E-06	9.90E-10	9.33E-11
493363.09, 3851877.25	0.00086	0.0001742	5.50E-08	5.18E-09	3.14E-06	9.90E-10	9.33E-11
493863.09, 3851877.25	0.00091	0.0001843	5.82E-08	5.49E-09	3.32E-06	1.05E-09	9.88E-11
494363.09, 3851877.25	0.0009	0.0001823	5.75E-08	5.42E-09	3.28E-06	1.04E-09	9.77E-11
494863.09, 3851877.25	0.00087	0.0001762	5.56E-08	5.24E-09	3.17E-06	1.00E-09	9.44E-11
495363.09, 3851877.25	0.00084	0.0001701	5.37E-08	5.06E-09	3.06E-06	9.67E-10	9.12E-11
495863.09, 3851877.25	0.00082	0.0001661	5.24E-08	4.94E-09	2.99E-06	9.44E-10	8.90E-11
496363.09, 3851877.25	0.00079	0.00016	5.05E-08	4.76E-09	2.88E-06	9.09E-10	8.57E-11
496863.09, 3851877.25	0.00075	0.0001519	4.79E-08	4.52E-09	2.73E-06	8.63E-10	8.14E-11
497363.09, 3851877.25	0.00074	0.0001499	4.73E-08	4.46E-09	2.70E-06	8.52E-10	8.03E-11
497863.09, 3851877.25	0.00071	0.0001438	4.54E-08	4.28E-09	2.59E-06	8.17E-10	7.70E-11
498363.09, 3851877.25	0.00067	0.0001357	4.28E-08	4.04E-09	2.44E-06	7.71E-10	7.27E-11
471363.09, 3852377.25	0.00125	0.0002532	7.99E-08	7.53E-09	4.56E-06	1.44E-09	1.36E-10
471863.09, 3852377.25	0.0014	0.0002836	8.95E-08	8.44E-09	5.11E-06	1.61E-09	1.52E-10

472363.09, 3852377.25	0.00148	0.0002998	9.46E-08	8.92E-09	5.40E-06	1.70E-09	1.61E-10
472863.09, 3852377.25	0.00148	0.0002998	9.46E-08	8.92E-09	5.40E-06	1.70E-09	1.61E-10
473363.09, 3852377.25	0.00142	0.0002876	9.08E-08	8.56E-09	5.18E-06	1.63E-09	1.54E-10
473863.09, 3852377.25	0.00136	0.0002755	8.69E-08	8.20E-09	4.96E-06	1.57E-09	1.48E-10
474363.09, 3852377.25	0.00132	0.0002674	8.44E-08	7.96E-09	4.81E-06	1.52E-09	1.43E-10
474863.09, 3852377.25	0.00151	0.0003059	9.65E-08	9.10E-09	5.51E-06	1.74E-09	1.64E-10
475363.09, 3852377.25	0.00152	0.0003079	9.72E-08	9.16E-09	5.54E-06	1.75E-09	1.65E-10
475863.09, 3852377.25	0.00154	0.0003119	9.85E-08	9.28E-09	5.62E-06	1.77E-09	1.67E-10
476363.09, 3852377.25	0.00152	0.0003079	9.72E-08	9.16E-09	5.54E-06	1.75E-09	1.65E-10
476863.09, 3852377.25	0.00162	0.0003281	1.04E-07	9.76E-09	5.91E-06	1.86E-09	1.76E-10
477363.09, 3852377.25	0.00168	0.0003403	1.07E-07	1.01E-08	6.13E-06	1.93E-09	1.82E-10
477863.09, 3852377.25	0.00162	0.0003281	1.04E-07	9.76E-09	5.91E-06	1.86E-09	1.76E-10
478363.09, 3852377.25	0.00155	0.000314	9.91E-08	9.34E-09	5.65E-06	1.78E-09	1.68E-10
478863.09, 3852377.25	0.00172	0.0003484	1.10E-07	1.04E-08	6.27E-06	1.98E-09	1.87E-10
479363.09, 3852377.25	0.00183	0.0003707	1.17E-07	1.10E-08	6.67E-06	2.11E-09	1.99E-10
479863.09, 3852377.25	0.00236	0.000478	1.51E-07	1.42E-08	8.61E-06	2.72E-09	2.56E-10
480363.09, 3852377.25	0.00353	0.000715	2.26E-07	2.13E-08	1.29E-05	4.06E-09	3.83E-10
480863.09, 3852377.25	0.0039	0.00079	2.49E-07	2.35E-08	1.42E-05	4.49E-09	4.23E-10
481363.09, 3852377.25	0.00444	0.0008993	2.84E-07	2.68E-08	1.62E-05	5.11E-09	4.82E-10
481863.09, 3852377.25	0.00492	0.0009966	3.15E-07	2.97E-08	1.79E-05	5.66E-09	5.34E-10
482363.09, 3852377.25	0.00383	0.0007758	2.45E-07	2.31E-08	1.40E-05	4.41E-09	4.16E-10
482863.09, 3852377.25	0.0029	0.0005874	1.85E-07	1.75E-08	1.06E-05	3.34E-09	3.15E-10
483363.09, 3852377.25	0.00225	0.0004557	1.44E-07	1.36E-08	8.20E-06	2.59E-09	2.44E-10
483863.09, 3852377.25	0.00211	0.0004274	1.35E-07	1.27E-08	7.69E-06	2.43E-09	2.29E-10
484363.09, 3852377.25	0.00239	0.0004841	1.53E-07	1.44E-08	8.72E-06	2.75E-09	2.59E-10
484863.09, 3852377.25	0.00256	0.0005185	1.64E-07	1.54E-08	9.34E-06	2.95E-09	2.78E-10
485363.09, 3852377.25	0.00262	0.0005307	1.67E-07	1.58E-08	9.55E-06	3.02E-09	2.84E-10
485863.09, 3852377.25	0.00225	0.0004557	1.44E-07	1.36E-08	8.20E-06	2.59E-09	2.44E-10
486363.09, 3852377.25	0.00187	0.0003788	1.20E-07	1.13E-08	6.82E-06	2.15E-09	2.03E-10
486863.09, 3852377.25	0.00166	0.0003362	1.06E-07	1.00E-08	6.05E-06	1.91E-09	1.80E-10
487363.09, 3852377.25	0.00149	0.0003018	9.53E-08	8.98E-09	5.43E-06	1.71E-09	1.62E-10
487863.09, 3852377.25	0.0014	0.0002836	8.95E-08	8.44E-09	5.11E-06	1.61E-09	1.52E-10
488363.09, 3852377.25	0.00132	0.0002674	8.44E-08	7.96E-09	4.81E-06	1.52E-09	1.43E-10
488863.09, 3852377.25	0.00118	0.000239	7.54E-08	7.11E-09	4.30E-06	1.36E-09	1.28E-10
489363.09, 3852377.25	0.00113	0.0002289	7.22E-08	6.81E-09	4.12E-06	1.30E-09	1.23E-10
489863.09, 3852377.25	0.0011	0.0002228	7.03E-08	6.63E-09	4.01E-06	1.27E-09	1.19E-10
490363.09, 3852377.25	0.00109	0.0002208	6.97E-08	6.57E-09	3.97E-06	1.25E-09	1.18E-10
490863.09, 3852377.25	0.00108	0.0002188	6.90E-08	6.51E-09	3.94E-06	1.24E-09	1.17E-10
491363.09, 3852377.25	0.00112	0.0002269	7.16E-08	6.75E-09	4.08E-06	1.29E-09	1.22E-10
491863.09, 3852377.25	0.00116	0.000235	7.42E-08	6.99E-09	4.23E-06	1.34E-09	1.26E-10
492363.09, 3852377.25	0.00114	0.0002309	7.29E-08	6.87E-09	4.16E-06	1.31E-09	1.24E-10
492863.09, 3852377.25	0.00109	0.0002208	6.97E-08	6.57E-09	3.97E-06	1.25E-09	1.18E-10
493363.09, 3852377.25	0.00104	0.0002107	6.65E-08	6.27E-09	3.79E-06	1.20E-09	1.13E-10
493863.09, 3852377.25	0.00101	0.0002046	6.46E-08	6.09E-09	3.68E-06	1.16E-09	1.10E-10
494363.09, 3852377.25	0.00103	0.0002086	6.58E-08	6.21E-09	3.76E-06	1.19E-09	1.12E-10
494863.09, 3852377.25	0.00099	0.0002005	6.33E-08	5.97E-09	3.61E-06	1.14E-09	1.07E-10
495363.09, 3852377.25	0.00095	0.0001924	6.07E-08	5.73E-09	3.46E-06	1.09E-09	1.03E-10
495863.09, 3852377.25	0.00089	0.0001803	5.69E-08	5.36E-09	3.25E-06	1.02E-09	9.66E-11
496363.09, 3852377.25	0.00085	0.0001722	5.43E-08	5.12E-09	3.10E-06	9.78E-10	9.22E-11
496863.09, 3852377.25	0.00081	0.0001641	5.18E-08	4.88E-09	2.95E-06	9.32E-10	8.79E-11
497363.09, 3852377.25	0.00078	0.000158	4.99E-08	4.70E-09	2.84E-06	8.98E-10	8.46E-11
497863.09, 3852377.25	0.00073	0.0001479	4.67E-08	4.40E-09	2.66E-06	8.40E-10	7.92E-11
498363.09, 3852377.25	0.00069	0.0001398	4.41E-08	4.16E-09	2.52E-06	7.94E-10	7.49E-11
471363.09, 3852877.25	0.00121	0.0002451	7.74E-08	7.29E-09	4.41E-06	1.39E-09	1.31E-10
471863.09, 3852877.25	0.0013	0.0002633	8.31E-08	7.84E-09	4.74E-06	1.50E-09	1.41E-10
472363.09, 3852877.25	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
472863.09, 3852877.25	0.00156	0.000316	9.97E-08	9.40E-09	5.69E-06	1.80E-09	1.69E-10
473363.09, 3852877.25	0.00167	0.0003383	1.07E-07	1.01E-08	6.09E-06	1.92E-09	1.81E-10
473863.09, 3852877.25	0.00173	0.0003504	1.11E-07	1.04E-08	6.31E-06	1.99E-09	1.88E-10
474363.09, 3852877.25	0.00172	0.0003484	1.10E-07	1.04E-08	6.27E-06	1.98E-09	1.87E-10

474863.09, 3852877.25	0.00152	0.0003079	9.72E-08	9.16E-09	5.54E-06	1.75E-09	1.65E-10
475363.09, 3852877.25	0.00153	0.0003099	9.78E-08	9.22E-09	5.58E-06	1.76E-09	1.66E-10
475863.09, 3852877.25	0.00149	0.0003018	9.53E-08	8.98E-09	5.43E-06	1.71E-09	1.62E-10
476363.09, 3852877.25	0.00141	0.0002856	9.01E-08	8.50E-09	5.14E-06	1.62E-09	1.53E-10
476863.09, 3852877.25	0.00132	0.0002674	8.44E-08	7.96E-09	4.81E-06	1.52E-09	1.43E-10
477363.09, 3852877.25	0.00128	0.0002593	8.18E-08	7.72E-09	4.67E-06	1.47E-09	1.39E-10
477863.09, 3852877.25	0.00126	0.0002552	8.06E-08	7.59E-09	4.59E-06	1.45E-09	1.37E-10
478363.09, 3852877.25	0.00124	0.0002512	7.93E-08	7.47E-09	4.52E-06	1.43E-09	1.35E-10
478863.09, 3852877.25	0.00136	0.0002755	8.69E-08	8.20E-09	4.96E-06	1.57E-09	1.48E-10
479363.09, 3852877.25	0.00152	0.0003079	9.72E-08	9.16E-09	5.54E-06	1.75E-09	1.65E-10
479863.09, 3852877.25	0.00199	0.0004031	1.27E-07	1.20E-08	7.26E-06	2.29E-09	2.16E-10
480363.09, 3852877.25	0.00306	0.0006198	1.96E-07	1.84E-08	1.12E-05	3.52E-09	3.32E-10
480863.09, 3852877.25	0.00329	0.0006664	2.10E-07	1.98E-08	1.20E-05	3.79E-09	3.57E-10
481363.09, 3852877.25	0.00415	0.0008406	2.65E-07	2.50E-08	1.51E-05	4.78E-09	4.50E-10
481863.09, 3852877.25	0.00466	0.0009439	2.98E-07	2.81E-08	1.70E-05	5.36E-09	5.06E-10
482363.09, 3852877.25	0.00526	0.0010654	3.36E-07	3.17E-08	1.92E-05	6.05E-09	5.71E-10
482863.09, 3852877.25	0.00444	0.0008993	2.84E-07	2.68E-08	1.62E-05	5.11E-09	4.82E-10
483363.09, 3852877.25	0.00325	0.0006583	2.08E-07	1.96E-08	1.19E-05	3.74E-09	3.53E-10
483863.09, 3852877.25	0.00235	0.000476	1.50E-07	1.42E-08	8.57E-06	2.70E-09	2.55E-10
484363.09, 3852877.25	0.00273	0.000553	1.75E-07	1.65E-08	9.96E-06	3.14E-09	2.96E-10
484863.09, 3852877.25	0.00294	0.0005955	1.88E-07	1.77E-08	1.07E-05	3.38E-09	3.19E-10
485363.09, 3852877.25	0.00235	0.000476	1.50E-07	1.42E-08	8.57E-06	2.70E-09	2.55E-10
485863.09, 3852877.25	0.00217	0.0004395	1.39E-07	1.31E-08	7.91E-06	2.50E-09	2.35E-10
486363.09, 3852877.25	0.00195	0.000395	1.25E-07	1.18E-08	7.11E-06	2.24E-09	2.12E-10
486863.09, 3852877.25	0.00178	0.0003605	1.14E-07	1.07E-08	6.49E-06	2.05E-09	1.93E-10
487363.09, 3852877.25	0.00156	0.000316	9.97E-08	9.40E-09	5.69E-06	1.80E-09	1.69E-10
487863.09, 3852877.25	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
488363.09, 3852877.25	0.00128	0.0002593	8.18E-08	7.72E-09	4.67E-06	1.47E-09	1.39E-10
488863.09, 3852877.25	0.00127	0.0002572	8.12E-08	7.66E-09	4.63E-06	1.46E-09	1.38E-10
489363.09, 3852877.25	0.0012	0.0002431	7.67E-08	7.23E-09	4.38E-06	1.38E-09	1.30E-10
489863.09, 3852877.25	0.00119	0.000241	7.61E-08	7.17E-09	4.34E-06	1.37E-09	1.29E-10
490363.09, 3852877.25	0.00125	0.0002532	7.99E-08	7.53E-09	4.56E-06	1.44E-09	1.36E-10
490863.09, 3852877.25	0.00126	0.0002552	8.06E-08	7.59E-09	4.59E-06	1.45E-09	1.37E-10
491363.09, 3852877.25	0.00128	0.0002593	8.18E-08	7.72E-09	4.67E-06	1.47E-09	1.39E-10
491863.09, 3852877.25	0.00131	0.0002653	8.37E-08	7.90E-09	4.78E-06	1.51E-09	1.42E-10
492363.09, 3852877.25	0.00132	0.0002674	8.44E-08	7.96E-09	4.81E-06	1.52E-09	1.43E-10
492863.09, 3852877.25	0.00129	0.0002613	8.25E-08	7.78E-09	4.70E-06	1.48E-09	1.40E-10
493363.09, 3852877.25	0.00119	0.000241	7.61E-08	7.17E-09	4.34E-06	1.37E-09	1.29E-10
493863.09, 3852877.25	0.00114	0.0002309	7.29E-08	6.87E-09	4.16E-06	1.31E-09	1.24E-10
494363.09, 3852877.25	0.00116	0.000235	7.42E-08	6.99E-09	4.23E-06	1.34E-09	1.26E-10
494863.09, 3852877.25	0.00113	0.0002289	7.22E-08	6.81E-09	4.12E-06	1.30E-09	1.23E-10
495363.09, 3852877.25	0.00103	0.0002086	6.58E-08	6.21E-09	3.76E-06	1.19E-09	1.12E-10
495863.09, 3852877.25	0.00095	0.0001924	6.07E-08	5.73E-09	3.46E-06	1.09E-09	1.03E-10
496363.09, 3852877.25	0.00091	0.0001843	5.82E-08	5.49E-09	3.32E-06	1.05E-09	9.88E-11
496863.09, 3852877.25	0.00087	0.0001762	5.56E-08	5.24E-09	3.17E-06	1.00E-09	9.44E-11
497363.09, 3852877.25	0.00083	0.0001681	5.31E-08	5.00E-09	3.03E-06	9.55E-10	9.01E-11
497863.09, 3852877.25	0.00073	0.0001479	4.67E-08	4.40E-09	2.66E-06	8.40E-10	7.92E-11
498363.09, 3852877.25	0.00071	0.0001438	4.54E-08	4.28E-09	2.59E-06	8.17E-10	7.70E-11
471363.09, 3853377.25	0.00116	0.000235	7.42E-08	6.99E-09	4.23E-06	1.34E-09	1.26E-10
471863.09, 3853377.25	0.00125	0.0002532	7.99E-08	7.53E-09	4.56E-06	1.44E-09	1.36E-10
472363.09, 3853377.25	0.00134	0.0002714	8.57E-08	8.08E-09	4.89E-06	1.54E-09	1.45E-10
472863.09, 3853377.25	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
473363.09, 3853377.25	0.00153	0.0003099	9.78E-08	9.22E-09	5.58E-06	1.76E-09	1.66E-10
473863.09, 3853377.25	0.00166	0.0003362	1.06E-07	1.00E-08	6.05E-06	1.91E-09	1.80E-10
474363.09, 3853377.25	0.00177	0.0003585	1.13E-07	1.07E-08	6.45E-06	2.04E-09	1.92E-10
474863.09, 3853377.25	0.00171	0.0003464	1.09E-07	1.03E-08	6.24E-06	1.97E-09	1.86E-10
475363.09, 3853377.25	0.00162	0.0003281	1.04E-07	9.76E-09	5.91E-06	1.86E-09	1.76E-10
475863.09, 3853377.25	0.00151	0.0003059	9.65E-08	9.10E-09	5.51E-06	1.74E-09	1.64E-10
476363.09, 3853377.25	0.00139	0.0002815	8.89E-08	8.38E-09	5.07E-06	1.60E-09	1.51E-10
476863.09, 3853377.25	0.00125	0.0002532	7.99E-08	7.53E-09	4.56E-06	1.44E-09	1.36E-10

477363.09, 3853377.25	0.00123	0.0002491	7.86E-08	7.41E-09	4.49E-06	1.42E-09	1.33E-10
477863.09, 3853377.25	0.00124	0.0002512	7.93E-08	7.47E-09	4.52E-06	1.43E-09	1.35E-10
478363.09, 3853377.25	0.00119	0.000241	7.61E-08	7.17E-09	4.34E-06	1.37E-09	1.29E-10
478863.09, 3853377.25	0.00114	0.0002309	7.29E-08	6.87E-09	4.16E-06	1.31E-09	1.24E-10
479363.09, 3853377.25	0.0014	0.0002836	8.95E-08	8.44E-09	5.11E-06	1.61E-09	1.52E-10
479863.09, 3853377.25	0.0017	0.0003443	1.09E-07	1.02E-08	6.20E-06	1.96E-09	1.84E-10
480363.09, 3853377.25	0.0024	0.0004861	1.53E-07	1.45E-08	8.75E-06	2.76E-09	2.60E-10
480863.09, 3853377.25	0.00222	0.0004497	1.42E-07	1.34E-08	8.10E-06	2.56E-09	2.41E-10
481363.09, 3853377.25	0.00287	0.0005813	1.83E-07	1.73E-08	1.05E-05	3.30E-09	3.11E-10
481863.09, 3853377.25	0.00452	0.0009155	2.89E-07	2.72E-08	1.65E-05	5.20E-09	4.91E-10
482363.09, 3853377.25	0.00484	0.0009804	3.09E-07	2.92E-08	1.76E-05	5.57E-09	5.25E-10
482863.09, 3853377.25	0.00532	0.0010776	3.40E-07	3.21E-08	1.94E-05	6.12E-09	5.77E-10
483363.09, 3853377.25	0.00411	0.0008325	2.63E-07	2.48E-08	1.50E-05	4.73E-09	4.46E-10
483863.09, 3853377.25	0.00341	0.0006907	2.18E-07	2.06E-08	1.24E-05	3.92E-09	3.70E-10
484363.09, 3853377.25	0.00326	0.0006603	2.08E-07	1.97E-08	1.19E-05	3.75E-09	3.54E-10
484863.09, 3853377.25	0.00262	0.0005307	1.67E-07	1.58E-08	9.55E-06	3.02E-09	2.84E-10
485363.09, 3853377.25	0.0021	0.0004254	1.34E-07	1.27E-08	7.66E-06	2.42E-09	2.28E-10
485863.09, 3853377.25	0.00184	0.0003727	1.18E-07	1.11E-08	6.71E-06	2.12E-09	2.00E-10
486363.09, 3853377.25	0.0019	0.0003849	1.21E-07	1.15E-08	6.93E-06	2.19E-09	2.06E-10
486863.09, 3853377.25	0.0019	0.0003849	1.21E-07	1.15E-08	6.93E-06	2.19E-09	2.06E-10
487363.09, 3853377.25	0.00182	0.0003686	1.16E-07	1.10E-08	6.64E-06	2.09E-09	1.98E-10
487863.09, 3853377.25	0.00169	0.0003423	1.08E-07	1.02E-08	6.16E-06	1.95E-09	1.83E-10
488363.09, 3853377.25	0.00164	0.0003322	1.05E-07	9.89E-09	5.98E-06	1.89E-09	1.78E-10
488863.09, 3853377.25	0.0016	0.0003241	1.02E-07	9.64E-09	5.83E-06	1.84E-09	1.74E-10
489363.09, 3853377.25	0.00151	0.0003059	9.65E-08	9.10E-09	5.51E-06	1.74E-09	1.64E-10
489863.09, 3853377.25	0.00141	0.0002856	9.01E-08	8.50E-09	5.14E-06	1.62E-09	1.53E-10
490363.09, 3853377.25	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
490863.09, 3853377.25	0.00141	0.0002856	9.01E-08	8.50E-09	5.14E-06	1.62E-09	1.53E-10
491363.09, 3853377.25	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
491863.09, 3853377.25	0.00145	0.0002937	9.27E-08	8.74E-09	5.29E-06	1.67E-09	1.57E-10
492363.09, 3853377.25	0.00151	0.0003059	9.65E-08	9.10E-09	5.51E-06	1.74E-09	1.64E-10
492863.09, 3853377.25	0.0015	0.0003038	9.59E-08	9.04E-09	5.47E-06	1.73E-09	1.63E-10
493363.09, 3853377.25	0.0014	0.0002836	8.95E-08	8.44E-09	5.11E-06	1.61E-09	1.52E-10
493863.09, 3853377.25	0.0013	0.0002633	8.31E-08	7.84E-09	4.74E-06	1.50E-09	1.41E-10
494363.09, 3853377.25	0.00129	0.0002613	8.25E-08	7.78E-09	4.70E-06	1.48E-09	1.40E-10
494863.09, 3853377.25	0.00122	0.0002471	7.80E-08	7.35E-09	4.45E-06	1.40E-09	1.32E-10
495363.09, 3853377.25	0.00114	0.0002309	7.29E-08	6.87E-09	4.16E-06	1.31E-09	1.24E-10
495863.09, 3853377.25	0.00106	0.0002147	6.78E-08	6.39E-09	3.87E-06	1.22E-09	1.15E-10
496363.09, 3853377.25	0.00098	0.0001985	6.27E-08	5.91E-09	3.57E-06	1.13E-09	1.06E-10
496863.09, 3853377.25	0.00091	0.0001843	5.82E-08	5.49E-09	3.32E-06	1.05E-09	9.88E-11
497363.09, 3853377.25	0.00085	0.0001722	5.43E-08	5.12E-09	3.10E-06	9.78E-10	9.22E-11
497863.09, 3853377.25	0.00073	0.0001479	4.67E-08	4.40E-09	2.66E-06	8.40E-10	7.92E-11
498363.09, 3853377.25	0.00068	0.0001377	4.35E-08	4.10E-09	2.48E-06	7.83E-10	7.38E-11
471363.09, 3853877.25	0.00116	0.000235	7.42E-08	6.99E-09	4.23E-06	1.34E-09	1.26E-10
471863.09, 3853877.25	0.00119	0.000241	7.61E-08	7.17E-09	4.34E-06	1.37E-09	1.29E-10
472363.09, 3853877.25	0.00124	0.0002512	7.93E-08	7.47E-09	4.52E-06	1.43E-09	1.35E-10
472863.09, 3853877.25	0.00132	0.0002674	8.44E-08	7.96E-09	4.81E-06	1.52E-09	1.43E-10
473363.09, 3853877.25	0.0014	0.0002836	8.95E-08	8.44E-09	5.11E-06	1.61E-09	1.52E-10
473863.09, 3853877.25	0.00148	0.0002998	9.46E-08	8.92E-09	5.40E-06	1.70E-09	1.61E-10
474363.09, 3853877.25	0.00158	0.00032	1.01E-07	9.52E-09	5.76E-06	1.82E-09	1.71E-10
474863.09, 3853877.25	0.00168	0.0003403	1.07E-07	1.01E-08	6.13E-06	1.93E-09	1.82E-10
475363.09, 3853877.25	0.00169	0.0003423	1.08E-07	1.02E-08	6.16E-06	1.95E-09	1.83E-10
475863.09, 3853877.25	0.00154	0.0003119	9.85E-08	9.28E-09	5.62E-06	1.77E-09	1.67E-10
476363.09, 3853877.25	0.00136	0.0002755	8.69E-08	8.20E-09	4.96E-06	1.57E-09	1.48E-10
476863.09, 3853877.25	0.00119	0.000241	7.61E-08	7.17E-09	4.34E-06	1.37E-09	1.29E-10
477363.09, 3853877.25	0.00121	0.0002451	7.74E-08	7.29E-09	4.41E-06	1.39E-09	1.31E-10
477863.09, 3853877.25	0.00125	0.0002532	7.99E-08	7.53E-09	4.56E-06	1.44E-09	1.36E-10
478363.09, 3853877.25	0.00126	0.0002552	8.06E-08	7.59E-09	4.59E-06	1.45E-09	1.37E-10
478863.09, 3853877.25	0.00114	0.0002309	7.29E-08	6.87E-09	4.16E-06	1.31E-09	1.24E-10
479363.09, 3853877.25	0.00125	0.0002532	7.99E-08	7.53E-09	4.56E-06	1.44E-09	1.36E-10

479863.09, 3853877.25	0.00157	0.000318	1.00E-07	9.46E-09	5.73E-06	1.81E-09	1.70E-10
480363.09, 3853877.25	0.00194	0.000393	1.24E-07	1.17E-08	7.07E-06	2.23E-09	2.11E-10
480863.09, 3853877.25	0.00273	0.000553	1.75E-07	1.65E-08	9.96E-06	3.14E-09	2.96E-10
481363.09, 3853877.25	0.00325	0.0006583	2.08E-07	1.96E-08	1.19E-05	3.74E-09	3.53E-10
481863.09, 3853877.25	0.00519	0.0010513	3.32E-07	3.13E-08	1.89E-05	5.97E-09	5.63E-10
482363.09, 3853877.25	0.00517	0.0010472	3.31E-07	3.12E-08	1.89E-05	5.95E-09	5.61E-10
482863.09, 3853877.25	0.00449	0.0009095	2.87E-07	2.71E-08	1.64E-05	5.17E-09	4.87E-10
483363.09, 3853877.25	0.00409	0.0008284	2.61E-07	2.47E-08	1.49E-05	4.71E-09	4.44E-10
483863.09, 3853877.25	0.00416	0.0008426	2.66E-07	2.51E-08	1.52E-05	4.79E-09	4.51E-10
484363.09, 3853877.25	0.00337	0.0006826	2.15E-07	2.03E-08	1.23E-05	3.88E-09	3.66E-10
484863.09, 3853877.25	0.00261	0.0005287	1.67E-07	1.57E-08	9.52E-06	3.00E-09	2.83E-10
485363.09, 3853877.25	0.002	0.0004051	1.28E-07	1.21E-08	7.29E-06	2.30E-09	2.17E-10
485863.09, 3853877.25	0.0021	0.0004254	1.34E-07	1.27E-08	7.66E-06	2.42E-09	2.28E-10
486363.09, 3853877.25	0.00213	0.0004314	1.36E-07	1.28E-08	7.77E-06	2.45E-09	2.31E-10
486863.09, 3853877.25	0.00208	0.0004213	1.33E-07	1.25E-08	7.59E-06	2.39E-09	2.26E-10
487363.09, 3853877.25	0.00213	0.0004314	1.36E-07	1.28E-08	7.77E-06	2.45E-09	2.31E-10
487863.09, 3853877.25	0.00211	0.0004274	1.35E-07	1.27E-08	7.69E-06	2.43E-09	2.29E-10
488363.09, 3853877.25	0.00199	0.0004031	1.27E-07	1.20E-08	7.26E-06	2.29E-09	2.16E-10
488863.09, 3853877.25	0.00196	0.000397	1.25E-07	1.18E-08	7.15E-06	2.26E-09	2.13E-10
489363.09, 3853877.25	0.00186	0.0003767	1.19E-07	1.12E-08	6.78E-06	2.14E-09	2.02E-10
489863.09, 3853877.25	0.00174	0.0003524	1.11E-07	1.05E-08	6.35E-06	2.00E-09	1.89E-10
490363.09, 3853877.25	0.00165	0.0003342	1.05E-07	9.95E-09	6.02E-06	1.90E-09	1.79E-10
490863.09, 3853877.25	0.00164	0.0003322	1.05E-07	9.89E-09	5.98E-06	1.89E-09	1.78E-10
491363.09, 3853877.25	0.00166	0.0003362	1.06E-07	1.00E-08	6.05E-06	1.91E-09	1.80E-10
491863.09, 3853877.25	0.00167	0.0003383	1.07E-07	1.01E-08	6.09E-06	1.92E-09	1.81E-10
492363.09, 3853877.25	0.00172	0.0003484	1.10E-07	1.04E-08	6.27E-06	1.98E-09	1.87E-10
492863.09, 3853877.25	0.00176	0.0003565	1.13E-07	1.06E-08	6.42E-06	2.03E-09	1.91E-10
493363.09, 3853877.25	0.00165	0.0003342	1.05E-07	9.95E-09	6.02E-06	1.90E-09	1.79E-10
493863.09, 3853877.25	0.00147	0.0002978	9.40E-08	8.86E-09	5.36E-06	1.69E-09	1.60E-10
494363.09, 3853877.25	0.00144	0.0002917	9.21E-08	8.68E-09	5.25E-06	1.66E-09	1.56E-10
494863.09, 3853877.25	0.00138	0.0002795	8.82E-08	8.32E-09	5.03E-06	1.59E-09	1.50E-10
495363.09, 3853877.25	0.00123	0.0002491	7.86E-08	7.41E-09	4.49E-06	1.42E-09	1.33E-10
495863.09, 3853877.25	0.0011	0.0002228	7.03E-08	6.63E-09	4.01E-06	1.27E-09	1.19E-10
496363.09, 3853877.25	0.00102	0.0002066	6.52E-08	6.15E-09	3.72E-06	1.17E-09	1.11E-10
496863.09, 3853877.25	0.00096	0.0001945	6.14E-08	5.79E-09	3.50E-06	1.10E-09	1.04E-10
497363.09, 3853877.25	0.0009	0.0001823	5.75E-08	5.42E-09	3.28E-06	1.04E-09	9.77E-11
497863.09, 3853877.25	0.00083	0.0001681	5.31E-08	5.00E-09	3.03E-06	9.55E-10	9.01E-11
498363.09, 3853877.25	0.0008	0.000162	5.11E-08	4.82E-09	2.92E-06	9.21E-10	8.68E-11
471363.09, 3854377.25	0.00133	0.0002694	8.50E-08	8.02E-09	4.85E-06	1.53E-09	1.44E-10
471863.09, 3854377.25	0.00134	0.0002714	8.57E-08	8.08E-09	4.89E-06	1.54E-09	1.45E-10
472363.09, 3854377.25	0.00132	0.0002674	8.44E-08	7.96E-09	4.81E-06	1.52E-09	1.43E-10
472863.09, 3854377.25	0.00131	0.0002653	8.37E-08	7.90E-09	4.78E-06	1.51E-09	1.42E-10
473363.09, 3854377.25	0.00132	0.0002674	8.44E-08	7.96E-09	4.81E-06	1.52E-09	1.43E-10
473863.09, 3854377.25	0.00138	0.0002795	8.82E-08	8.32E-09	5.03E-06	1.59E-09	1.50E-10
474363.09, 3854377.25	0.00148	0.0002998	9.46E-08	8.92E-09	5.40E-06	1.70E-09	1.61E-10
474863.09, 3854377.25	0.00151	0.0003059	9.65E-08	9.10E-09	5.51E-06	1.74E-09	1.64E-10
475363.09, 3854377.25	0.00144	0.0002917	9.21E-08	8.68E-09	5.25E-06	1.66E-09	1.56E-10
475863.09, 3854377.25	0.00129	0.0002613	8.25E-08	7.78E-09	4.70E-06	1.48E-09	1.40E-10
476363.09, 3854377.25	0.00126	0.0002552	8.06E-08	7.59E-09	4.59E-06	1.45E-09	1.37E-10
476863.09, 3854377.25	0.00125	0.0002532	7.99E-08	7.53E-09	4.56E-06	1.44E-09	1.36E-10
477363.09, 3854377.25	0.00122	0.0002471	7.80E-08	7.35E-09	4.45E-06	1.40E-09	1.32E-10
477863.09, 3854377.25	0.0012	0.0002431	7.67E-08	7.23E-09	4.38E-06	1.38E-09	1.30E-10
478363.09, 3854377.25	0.00125	0.0002532	7.99E-08	7.53E-09	4.56E-06	1.44E-09	1.36E-10
478863.09, 3854377.25	0.00127	0.0002572	8.12E-08	7.66E-09	4.63E-06	1.46E-09	1.38E-10
479363.09, 3854377.25	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
479863.09, 3854377.25	0.00154	0.0003119	9.85E-08	9.28E-09	5.62E-06	1.77E-09	1.67E-10
480363.09, 3854377.25	0.00175	0.0003545	1.12E-07	1.05E-08	6.38E-06	2.01E-09	1.90E-10
480863.09, 3854377.25	0.00224	0.0004537	1.43E-07	1.35E-08	8.17E-06	2.58E-09	2.43E-10
481363.09, 3854377.25	0.00286	0.0005793	1.83E-07	1.72E-08	1.04E-05	3.29E-09	3.10E-10
481863.09, 3854377.25	0.00542	0.0010978	3.46E-07	3.27E-08	1.98E-05	6.24E-09	5.88E-10

482363.09, 3854377.25	0.00595	0.0012052	3.80E-07	3.59E-08	2.17E-05	6.85E-09	6.46E-10
482863.09, 3854377.25	0.00504	0.0010209	3.22E-07	3.04E-08	1.84E-05	5.80E-09	5.47E-10
483363.09, 3854377.25	0.00403	0.0008163	2.58E-07	2.43E-08	1.47E-05	4.64E-09	4.37E-10
483863.09, 3854377.25	0.00325	0.0006583	2.08E-07	1.96E-08	1.19E-05	3.74E-09	3.53E-10
484363.09, 3854377.25	0.00287	0.0005813	1.83E-07	1.73E-08	1.05E-05	3.30E-09	3.11E-10
484863.09, 3854377.25	0.00245	0.0004963	1.57E-07	1.48E-08	8.93E-06	2.82E-09	2.66E-10
485363.09, 3854377.25	0.00267	0.0005408	1.71E-07	1.61E-08	9.74E-06	3.07E-09	2.90E-10
485863.09, 3854377.25	0.00227	0.0004598	1.45E-07	1.37E-08	8.28E-06	2.61E-09	2.46E-10
486363.09, 3854377.25	0.0024	0.0004861	1.53E-07	1.45E-08	8.75E-06	2.76E-09	2.60E-10
486863.09, 3854377.25	0.00238	0.0004821	1.52E-07	1.43E-08	8.68E-06	2.74E-09	2.58E-10
487363.09, 3854377.25	0.00252	0.0005104	1.61E-07	1.52E-08	9.19E-06	2.90E-09	2.73E-10
487863.09, 3854377.25	0.00264	0.0005347	1.69E-07	1.59E-08	9.63E-06	3.04E-09	2.86E-10
488363.09, 3854377.25	0.00251	0.0005084	1.60E-07	1.51E-08	9.15E-06	2.89E-09	2.72E-10
488863.09, 3854377.25	0.00238	0.0004821	1.52E-07	1.43E-08	8.68E-06	2.74E-09	2.58E-10
489363.09, 3854377.25	0.00229	0.0004638	1.46E-07	1.38E-08	8.35E-06	2.64E-09	2.49E-10
489863.09, 3854377.25	0.0022	0.0004456	1.41E-07	1.33E-08	8.02E-06	2.53E-09	2.39E-10
490363.09, 3854377.25	0.00201	0.0004071	1.28E-07	1.21E-08	7.33E-06	2.31E-09	2.18E-10
490863.09, 3854377.25	0.00174	0.0003524	1.11E-07	1.05E-08	6.35E-06	2.00E-09	1.89E-10
491363.09, 3854377.25	0.00184	0.0003727	1.18E-07	1.11E-08	6.71E-06	2.12E-09	2.00E-10
491863.09, 3854377.25	0.00196	0.000397	1.25E-07	1.18E-08	7.15E-06	2.26E-09	2.13E-10
492363.09, 3854377.25	0.002	0.0004051	1.28E-07	1.21E-08	7.29E-06	2.30E-09	2.17E-10
492863.09, 3854377.25	0.00201	0.0004071	1.28E-07	1.21E-08	7.33E-06	2.31E-09	2.18E-10
493363.09, 3854377.25	0.00191	0.0003869	1.22E-07	1.15E-08	6.97E-06	2.20E-09	2.07E-10
493863.09, 3854377.25	0.00169	0.0003423	1.08E-07	1.02E-08	6.16E-06	1.95E-09	1.83E-10
494363.09, 3854377.25	0.0016	0.0003241	1.02E-07	9.64E-09	5.83E-06	1.84E-09	1.74E-10
494863.09, 3854377.25	0.00141	0.0002856	9.01E-08	8.50E-09	5.14E-06	1.62E-09	1.53E-10
495363.09, 3854377.25	0.00123	0.0002491	7.86E-08	7.41E-09	4.49E-06	1.42E-09	1.33E-10
495863.09, 3854377.25	0.0011	0.0002228	7.03E-08	6.63E-09	4.01E-06	1.27E-09	1.19E-10
496363.09, 3854377.25	0.00103	0.0002086	6.58E-08	6.21E-09	3.76E-06	1.19E-09	1.12E-10
496863.09, 3854377.25	0.00098	0.0001985	6.27E-08	5.91E-09	3.57E-06	1.13E-09	1.06E-10
497363.09, 3854377.25	0.0009	0.0001823	5.75E-08	5.42E-09	3.28E-06	1.04E-09	9.77E-11
497863.09, 3854377.25	0.00092	0.0001863	5.88E-08	5.55E-09	3.35E-06	1.06E-09	9.98E-11
498363.09, 3854377.25	0.00091	0.0001843	5.82E-08	5.49E-09	3.32E-06	1.05E-09	9.88E-11
471363.09, 3854877.25	0.00153	0.0003099	9.78E-08	9.22E-09	5.58E-06	1.76E-09	1.66E-10
471863.09, 3854877.25	0.00156	0.000316	9.97E-08	9.40E-09	5.69E-06	1.80E-09	1.69E-10
472363.09, 3854877.25	0.00156	0.000316	9.97E-08	9.40E-09	5.69E-06	1.80E-09	1.69E-10
472863.09, 3854877.25	0.00151	0.0003059	9.65E-08	9.10E-09	5.51E-06	1.74E-09	1.64E-10
473363.09, 3854877.25	0.0015	0.0003038	9.59E-08	9.04E-09	5.47E-06	1.73E-09	1.63E-10
473863.09, 3854877.25	0.00148	0.0002998	9.46E-08	8.92E-09	5.40E-06	1.70E-09	1.61E-10
474363.09, 3854877.25	0.00149	0.0003018	9.53E-08	8.98E-09	5.43E-06	1.71E-09	1.62E-10
474863.09, 3854877.25	0.00136	0.0002755	8.69E-08	8.20E-09	4.96E-06	1.57E-09	1.48E-10
475363.09, 3854877.25	0.00129	0.0002613	8.25E-08	7.78E-09	4.70E-06	1.48E-09	1.40E-10
475863.09, 3854877.25	0.00124	0.0002512	7.93E-08	7.47E-09	4.52E-06	1.43E-09	1.35E-10
476363.09, 3854877.25	0.00113	0.0002289	7.22E-08	6.81E-09	4.12E-06	1.30E-09	1.23E-10
476863.09, 3854877.25	0.00112	0.0002269	7.16E-08	6.75E-09	4.08E-06	1.29E-09	1.22E-10
477363.09, 3854877.25	0.00119	0.000241	7.61E-08	7.17E-09	4.34E-06	1.37E-09	1.29E-10
477863.09, 3854877.25	0.00126	0.0002552	8.06E-08	7.59E-09	4.59E-06	1.45E-09	1.37E-10
478363.09, 3854877.25	0.00139	0.0002815	8.89E-08	8.38E-09	5.07E-06	1.60E-09	1.51E-10
478863.09, 3854877.25	0.00157	0.000318	1.00E-07	9.46E-09	5.73E-06	1.81E-09	1.70E-10
479363.09, 3854877.25	0.00175	0.0003545	1.12E-07	1.05E-08	6.38E-06	2.01E-09	1.90E-10
479863.09, 3854877.25	0.00188	0.0003808	1.20E-07	1.13E-08	6.86E-06	2.16E-09	2.04E-10
480363.09, 3854877.25	0.002	0.0004051	1.28E-07	1.21E-08	7.29E-06	2.30E-09	2.17E-10
480863.09, 3854877.25	0.00237	0.0004801	1.52E-07	1.43E-08	8.64E-06	2.73E-09	2.57E-10
481363.09, 3854877.25	0.00277	0.0005611	1.77E-07	1.67E-08	1.01E-05	3.19E-09	3.01E-10
481863.09, 3854877.25	0.00271	0.0005489	1.73E-07	1.63E-08	9.88E-06	3.12E-09	2.94E-10
482363.09, 3854877.25	0.0059	0.0011951	3.77E-07	3.56E-08	2.15E-05	6.79E-09	6.40E-10
482863.09, 3854877.25	0.00584	0.0011829	3.73E-07	3.52E-08	2.13E-05	6.72E-09	6.34E-10
483363.09, 3854877.25	0.00567	0.0011485	3.62E-07	3.42E-08	2.07E-05	6.53E-09	6.15E-10
483863.09, 3854877.25	0.00402	0.0008143	2.57E-07	2.42E-08	1.47E-05	4.63E-09	4.36E-10
484363.09, 3854877.25	0.00314	0.000636	2.01E-07	1.89E-08	1.15E-05	3.61E-09	3.41E-10

484863.09, 3854877.25	0.0032	0.0006482	2.05E-07	1.93E-08	1.17E-05	3.68E-09	3.47E-10
485363.09, 3854877.25	0.00332	0.0006725	2.12E-07	2.00E-08	1.21E-05	3.82E-09	3.60E-10
485863.09, 3854877.25	0.00313	0.000634	2.00E-07	1.89E-08	1.14E-05	3.60E-09	3.40E-10
486363.09, 3854877.25	0.00287	0.0005813	1.83E-07	1.73E-08	1.05E-05	3.30E-09	3.11E-10
486863.09, 3854877.25	0.00278	0.0005631	1.78E-07	1.68E-08	1.01E-05	3.20E-09	3.02E-10
487363.09, 3854877.25	0.003	0.0006077	1.92E-07	1.81E-08	1.09E-05	3.45E-09	3.26E-10
487863.09, 3854877.25	0.00324	0.0006563	2.07E-07	1.95E-08	1.18E-05	3.73E-09	3.52E-10
488363.09, 3854877.25	0.00329	0.0006664	2.10E-07	1.98E-08	1.20E-05	3.79E-09	3.57E-10
488863.09, 3854877.25	0.00313	0.000634	2.00E-07	1.89E-08	1.14E-05	3.60E-09	3.40E-10
489363.09, 3854877.25	0.00294	0.0005955	1.88E-07	1.77E-08	1.07E-05	3.38E-09	3.19E-10
489863.09, 3854877.25	0.00264	0.0005347	1.69E-07	1.59E-08	9.63E-06	3.04E-09	2.86E-10
490363.09, 3854877.25	0.00212	0.0004294	1.36E-07	1.28E-08	7.73E-06	2.44E-09	2.30E-10
490863.09, 3854877.25	0.00179	0.0003626	1.14E-07	1.08E-08	6.53E-06	2.06E-09	1.94E-10
491363.09, 3854877.25	0.00178	0.0003605	1.14E-07	1.07E-08	6.49E-06	2.05E-09	1.93E-10
491863.09, 3854877.25	0.00228	0.0004618	1.46E-07	1.37E-08	8.31E-06	2.62E-09	2.47E-10
492363.09, 3854877.25	0.00234	0.000474	1.50E-07	1.41E-08	8.53E-06	2.69E-09	2.54E-10
492863.09, 3854877.25	0.00229	0.0004638	1.46E-07	1.38E-08	8.35E-06	2.64E-09	2.49E-10
493363.09, 3854877.25	0.00218	0.0004416	1.39E-07	1.31E-08	7.95E-06	2.51E-09	2.37E-10
493863.09, 3854877.25	0.00195	0.000395	1.25E-07	1.18E-08	7.11E-06	2.24E-09	2.12E-10
494363.09, 3854877.25	0.00158	0.00032	1.01E-07	9.52E-09	5.76E-06	1.82E-09	1.71E-10
494863.09, 3854877.25	0.00137	0.0002775	8.76E-08	8.26E-09	5.00E-06	1.58E-09	1.49E-10
495363.09, 3854877.25	0.00122	0.0002471	7.80E-08	7.35E-09	4.45E-06	1.40E-09	1.32E-10
495863.09, 3854877.25	0.00111	0.0002248	7.10E-08	6.69E-09	4.05E-06	1.28E-09	1.20E-10
496363.09, 3854877.25	0.00099	0.0002005	6.33E-08	5.97E-09	3.61E-06	1.14E-09	1.07E-10
496863.09, 3854877.25	0.00095	0.0001924	6.07E-08	5.73E-09	3.46E-06	1.09E-09	1.03E-10
497363.09, 3854877.25	0.00095	0.0001924	6.07E-08	5.73E-09	3.46E-06	1.09E-09	1.03E-10
497863.09, 3854877.25	0.00101	0.0002046	6.46E-08	6.09E-09	3.68E-06	1.16E-09	1.10E-10
498363.09, 3854877.25	0.00105	0.0002127	6.71E-08	6.33E-09	3.83E-06	1.21E-09	1.14E-10
471363.09, 3855377.25	0.00161	0.0003261	1.03E-07	9.70E-09	5.87E-06	1.85E-09	1.75E-10
471863.09, 3855377.25	0.00164	0.0003322	1.05E-07	9.89E-09	5.98E-06	1.89E-09	1.78E-10
472363.09, 3855377.25	0.0017	0.0003443	1.09E-07	1.02E-08	6.20E-06	1.96E-09	1.84E-10
472863.09, 3855377.25	0.00172	0.0003484	1.10E-07	1.04E-08	6.27E-06	1.98E-09	1.87E-10
473363.09, 3855377.25	0.00179	0.0003626	1.14E-07	1.08E-08	6.53E-06	2.06E-09	1.94E-10
473863.09, 3855377.25	0.00181	0.0003666	1.16E-07	1.09E-08	6.60E-06	2.08E-09	1.96E-10
474363.09, 3855377.25	0.00176	0.0003565	1.13E-07	1.06E-08	6.42E-06	2.03E-09	1.91E-10
474863.09, 3855377.25	0.00154	0.0003119	9.85E-08	9.28E-09	5.62E-06	1.77E-09	1.67E-10
475363.09, 3855377.25	0.00123	0.0002491	7.86E-08	7.41E-09	4.49E-06	1.42E-09	1.33E-10
475863.09, 3855377.25	0.00116	0.000235	7.42E-08	6.99E-09	4.23E-06	1.34E-09	1.26E-10
476363.09, 3855377.25	0.0012	0.0002431	7.67E-08	7.23E-09	4.38E-06	1.38E-09	1.30E-10
476863.09, 3855377.25	0.00121	0.0002451	7.74E-08	7.29E-09	4.41E-06	1.39E-09	1.31E-10
477363.09, 3855377.25	0.00126	0.0002552	8.06E-08	7.59E-09	4.59E-06	1.45E-09	1.37E-10
477863.09, 3855377.25	0.00138	0.0002795	8.82E-08	8.32E-09	5.03E-06	1.59E-09	1.50E-10
478363.09, 3855377.25	0.00151	0.0003059	9.65E-08	9.10E-09	5.51E-06	1.74E-09	1.64E-10
478863.09, 3855377.25	0.00167	0.0003383	1.07E-07	1.01E-08	6.09E-06	1.92E-09	1.81E-10
479363.09, 3855377.25	0.00194	0.000393	1.24E-07	1.17E-08	7.07E-06	2.23E-09	2.11E-10
479863.09, 3855377.25	0.00215	0.0004355	1.37E-07	1.30E-08	7.84E-06	2.47E-09	2.33E-10
480363.09, 3855377.25	0.00239	0.0004841	1.53E-07	1.44E-08	8.72E-06	2.75E-09	2.59E-10
480863.09, 3855377.25	0.00279	0.0005651	1.78E-07	1.68E-08	1.02E-05	3.21E-09	3.03E-10
481363.09, 3855377.25	0.00343	0.0006948	2.19E-07	2.07E-08	1.25E-05	3.95E-09	3.72E-10
481863.09, 3855377.25	0.00448	0.0009074	2.86E-07	2.70E-08	1.63E-05	5.16E-09	4.86E-10
482363.09, 3855377.25	0.00609	0.0012336	3.89E-07	3.67E-08	2.22E-05	7.01E-09	6.61E-10
482863.09, 3855377.25	0.00644	0.0013044	4.12E-07	3.88E-08	2.35E-05	7.41E-09	6.99E-10
483363.09, 3855377.25	0.00702	0.0014219	4.49E-07	4.23E-08	2.56E-05	8.08E-09	7.62E-10
483863.09, 3855377.25	0.00665	0.001347	4.25E-07	4.01E-08	2.43E-05	7.65E-09	7.22E-10
484363.09, 3855377.25	0.0046	0.0009317	2.94E-07	2.77E-08	1.68E-05	5.29E-09	4.99E-10
484863.09, 3855377.25	0.00422	0.0008548	2.70E-07	2.54E-08	1.54E-05	4.86E-09	4.58E-10
485363.09, 3855377.25	0.00386	0.0007819	2.47E-07	2.33E-08	1.41E-05	4.44E-09	4.19E-10
485863.09, 3855377.25	0.00399	0.0008082	2.55E-07	2.41E-08	1.46E-05	4.59E-09	4.33E-10
486363.09, 3855377.25	0.00383	0.0007758	2.45E-07	2.31E-08	1.40E-05	4.41E-09	4.16E-10
486863.09, 3855377.25	0.00345	0.0006988	2.21E-07	2.08E-08	1.26E-05	3.97E-09	3.74E-10

487363.09, 3855377.25	0.00358	0.0007251	2.29E-07	2.16E-08	1.31E-05	4.12E-09	3.88E-10
487863.09, 3855377.25	0.0039	0.00079	2.49E-07	2.35E-08	1.42E-05	4.49E-09	4.23E-10
488363.09, 3855377.25	0.0043	0.000871	2.75E-07	2.59E-08	1.57E-05	4.95E-09	4.67E-10
488863.09, 3855377.25	0.00433	0.0008771	2.77E-07	2.61E-08	1.58E-05	4.98E-09	4.70E-10
489363.09, 3855377.25	0.00388	0.0007859	2.48E-07	2.34E-08	1.41E-05	4.47E-09	4.21E-10
489863.09, 3855377.25	0.00344	0.0006968	2.20E-07	2.07E-08	1.25E-05	3.96E-09	3.73E-10
490363.09, 3855377.25	0.00321	0.0006502	2.05E-07	1.93E-08	1.17E-05	3.69E-09	3.48E-10
490863.09, 3855377.25	0.00226	0.0004578	1.44E-07	1.36E-08	8.24E-06	2.60E-09	2.45E-10
491363.09, 3855377.25	0.00204	0.0004132	1.30E-07	1.23E-08	7.44E-06	2.35E-09	2.21E-10
491863.09, 3855377.25	0.0026	0.0005266	1.66E-07	1.57E-08	9.48E-06	2.99E-09	2.82E-10
492363.09, 3855377.25	0.00272	0.0005509	1.74E-07	1.64E-08	9.92E-06	3.13E-09	2.95E-10
492863.09, 3855377.25	0.00261	0.0005287	1.67E-07	1.57E-08	9.52E-06	3.00E-09	2.83E-10
493363.09, 3855377.25	0.00237	0.0004801	1.52E-07	1.43E-08	8.64E-06	2.73E-09	2.57E-10
493863.09, 3855377.25	0.00191	0.0003869	1.22E-07	1.15E-08	6.97E-06	2.20E-09	2.07E-10
494363.09, 3855377.25	0.00159	0.0003221	1.02E-07	9.58E-09	5.80E-06	1.83E-09	1.73E-10
494863.09, 3855377.25	0.00138	0.0002795	8.82E-08	8.32E-09	5.03E-06	1.59E-09	1.50E-10
495363.09, 3855377.25	0.00121	0.0002451	7.74E-08	7.29E-09	4.41E-06	1.39E-09	1.31E-10
495863.09, 3855377.25	0.00108	0.0002188	6.90E-08	6.51E-09	3.94E-06	1.24E-09	1.17E-10
496363.09, 3855377.25	0.00105	0.0002127	6.71E-08	6.33E-09	3.83E-06	1.21E-09	1.14E-10
496863.09, 3855377.25	0.00106	0.0002147	6.78E-08	6.39E-09	3.87E-06	1.22E-09	1.15E-10
497363.09, 3855377.25	0.00109	0.0002208	6.97E-08	6.57E-09	3.97E-06	1.25E-09	1.18E-10
497863.09, 3855377.25	0.00115	0.0002329	7.35E-08	6.93E-09	4.19E-06	1.32E-09	1.25E-10
498363.09, 3855377.25	0.00128	0.0002593	8.18E-08	7.72E-09	4.67E-06	1.47E-09	1.39E-10
471363.09, 3855877.25	0.00171	0.0003464	1.09E-07	1.03E-08	6.24E-06	1.97E-09	1.86E-10
471863.09, 3855877.25	0.00173	0.0003504	1.11E-07	1.04E-08	6.31E-06	1.99E-09	1.88E-10
472363.09, 3855877.25	0.0018	0.0003646	1.15E-07	1.08E-08	6.56E-06	2.07E-09	1.95E-10
472863.09, 3855877.25	0.0018	0.0003646	1.15E-07	1.08E-08	6.56E-06	2.07E-09	1.95E-10
473363.09, 3855877.25	0.00189	0.0003828	1.21E-07	1.14E-08	6.89E-06	2.18E-09	2.05E-10
473863.09, 3855877.25	0.00196	0.000397	1.25E-07	1.18E-08	7.15E-06	2.26E-09	2.13E-10
474363.09, 3855877.25	0.00198	0.0004011	1.27E-07	1.19E-08	7.22E-06	2.28E-09	2.15E-10
474863.09, 3855877.25	0.00176	0.0003565	1.13E-07	1.06E-08	6.42E-06	2.03E-09	1.91E-10
475363.09, 3855877.25	0.00146	0.0002957	9.33E-08	8.80E-09	5.32E-06	1.68E-09	1.58E-10
475863.09, 3855877.25	0.00116	0.000235	7.42E-08	6.99E-09	4.23E-06	1.34E-09	1.26E-10
476363.09, 3855877.25	0.00117	0.000237	7.48E-08	7.05E-09	4.27E-06	1.35E-09	1.27E-10
476863.09, 3855877.25	0.00129	0.0002613	8.25E-08	7.78E-09	4.70E-06	1.48E-09	1.40E-10
477363.09, 3855877.25	0.00133	0.0002694	8.50E-08	8.02E-09	4.85E-06	1.53E-09	1.44E-10
477863.09, 3855877.25	0.00139	0.0002815	8.89E-08	8.38E-09	5.07E-06	1.60E-09	1.51E-10
478363.09, 3855877.25	0.0015	0.0003038	9.59E-08	9.04E-09	5.47E-06	1.73E-09	1.63E-10
478863.09, 3855877.25	0.00168	0.0003403	1.07E-07	1.01E-08	6.13E-06	1.93E-09	1.82E-10
479363.09, 3855877.25	0.00194	0.000393	1.24E-07	1.17E-08	7.07E-06	2.23E-09	2.11E-10
479863.09, 3855877.25	0.00228	0.0004618	1.46E-07	1.37E-08	8.31E-06	2.62E-09	2.47E-10
480363.09, 3855877.25	0.00285	0.0005773	1.82E-07	1.72E-08	1.04E-05	3.28E-09	3.09E-10
480863.09, 3855877.25	0.00358	0.0007251	2.29E-07	2.16E-08	1.31E-05	4.12E-09	3.88E-10
481363.09, 3855877.25	0.00336	0.0006806	2.15E-07	2.03E-08	1.23E-05	3.87E-09	3.65E-10
481863.09, 3855877.25	0.00489	0.0009905	3.13E-07	2.95E-08	1.78E-05	5.63E-09	5.31E-10
482363.09, 3855877.25	0.00646	0.0013085	4.13E-07	3.89E-08	2.36E-05	7.44E-09	7.01E-10
482863.09, 3855877.25	0.00653	0.0013227	4.17E-07	3.94E-08	2.38E-05	7.52E-09	7.09E-10
483363.09, 3855877.25	0.00713	0.0014442	4.56E-07	4.30E-08	2.60E-05	8.21E-09	7.74E-10
483863.09, 3855877.25	0.00785	0.00159	5.02E-07	4.73E-08	2.86E-05	9.03E-09	8.52E-10
484363.09, 3855877.25	0.00701	0.0014199	4.48E-07	4.23E-08	2.56E-05	8.07E-09	7.61E-10
484863.09, 3855877.25	0.00596	0.0012072	3.81E-07	3.59E-08	2.17E-05	6.86E-09	6.47E-10
485363.09, 3855877.25	0.00535	0.0010837	3.42E-07	3.22E-08	1.95E-05	6.16E-09	5.81E-10
485863.09, 3855877.25	0.00451	0.0009135	2.88E-07	2.72E-08	1.64E-05	5.19E-09	4.89E-10
486363.09, 3855877.25	0.0042	0.0008507	2.69E-07	2.53E-08	1.53E-05	4.83E-09	4.56E-10
486863.09, 3855877.25	0.00437	0.0008852	2.79E-07	2.63E-08	1.59E-05	5.03E-09	4.74E-10
487363.09, 3855877.25	0.00467	0.0009459	2.99E-07	2.81E-08	1.70E-05	5.37E-09	5.07E-10
487863.09, 3855877.25	0.0048	0.0009723	3.07E-07	2.89E-08	1.75E-05	5.52E-09	5.21E-10
488363.09, 3855877.25	0.00519	0.0010513	3.32E-07	3.13E-08	1.89E-05	5.97E-09	5.63E-10
488863.09, 3855877.25	0.00568	0.0011505	3.63E-07	3.42E-08	2.07E-05	6.54E-09	6.16E-10
489363.09, 3855877.25	0.00558	0.0011302	3.57E-07	3.36E-08	2.03E-05	6.42E-09	6.06E-10

489863.09, 3855877.25	0.00489	0.0009905	3.13E-07	2.95E-08	1.78E-05	5.63E-09	5.31E-10
490363.09, 3855877.25	0.00445	0.0009014	2.84E-07	2.68E-08	1.62E-05	5.12E-09	4.83E-10
490863.09, 3855877.25	0.00374	0.0007576	2.39E-07	2.25E-08	1.36E-05	4.30E-09	4.06E-10
491363.09, 3855877.25	0.00298	0.0006036	1.91E-07	1.80E-08	1.09E-05	3.43E-09	3.23E-10
491863.09, 3855877.25	0.00323	0.0006542	2.06E-07	1.95E-08	1.18E-05	3.72E-09	3.51E-10
492363.09, 3855877.25	0.00309	0.0006259	1.98E-07	1.86E-08	1.13E-05	3.56E-09	3.35E-10
492863.09, 3855877.25	0.00294	0.0005955	1.88E-07	1.77E-08	1.07E-05	3.38E-09	3.19E-10
493363.09, 3855877.25	0.00243	0.0004922	1.55E-07	1.46E-08	8.86E-06	2.80E-09	2.64E-10
493863.09, 3855877.25	0.002	0.0004051	1.28E-07	1.21E-08	7.29E-06	2.30E-09	2.17E-10
494363.09, 3855877.25	0.00164	0.0003322	1.05E-07	9.89E-09	5.98E-06	1.89E-09	1.78E-10
494863.09, 3855877.25	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
495363.09, 3855877.25	0.0012	0.0002431	7.67E-08	7.23E-09	4.38E-06	1.38E-09	1.30E-10
495863.09, 3855877.25	0.00114	0.0002309	7.29E-08	6.87E-09	4.16E-06	1.31E-09	1.24E-10
496363.09, 3855877.25	0.00116	0.000235	7.42E-08	6.99E-09	4.23E-06	1.34E-09	1.26E-10
496863.09, 3855877.25	0.00121	0.0002451	7.74E-08	7.29E-09	4.41E-06	1.39E-09	1.31E-10
497363.09, 3855877.25	0.00127	0.0002572	8.12E-08	7.66E-09	4.63E-06	1.46E-09	1.38E-10
497863.09, 3855877.25	0.00139	0.0002815	8.89E-08	8.38E-09	5.07E-06	1.60E-09	1.51E-10
498363.09, 3855877.25	0.00165	0.0003342	1.05E-07	9.95E-09	6.02E-06	1.90E-09	1.79E-10
471363.09, 3856377.25	0.00171	0.0003464	1.09E-07	1.03E-08	6.24E-06	1.97E-09	1.86E-10
471863.09, 3856377.25	0.00176	0.0003565	1.13E-07	1.06E-08	6.42E-06	2.03E-09	1.91E-10
472363.09, 3856377.25	0.00185	0.0003747	1.18E-07	1.12E-08	6.75E-06	2.13E-09	2.01E-10
472863.09, 3856377.25	0.00196	0.000397	1.25E-07	1.18E-08	7.15E-06	2.26E-09	2.13E-10
473363.09, 3856377.25	0.00203	0.0004112	1.30E-07	1.22E-08	7.40E-06	2.34E-09	2.20E-10
473863.09, 3856377.25	0.00215	0.0004355	1.37E-07	1.30E-08	7.84E-06	2.47E-09	2.33E-10
474363.09, 3856377.25	0.00207	0.0004193	1.32E-07	1.25E-08	7.55E-06	2.38E-09	2.25E-10
474863.09, 3856377.25	0.00194	0.000393	1.24E-07	1.17E-08	7.07E-06	2.23E-09	2.11E-10
475363.09, 3856377.25	0.00174	0.0003524	1.11E-07	1.05E-08	6.35E-06	2.00E-09	1.89E-10
475863.09, 3856377.25	0.00159	0.0003221	1.02E-07	9.58E-09	5.80E-06	1.83E-09	1.73E-10
476363.09, 3856377.25	0.00156	0.000316	9.97E-08	9.40E-09	5.69E-06	1.80E-09	1.69E-10
476863.09, 3856377.25	0.00155	0.000314	9.91E-08	9.34E-09	5.65E-06	1.78E-09	1.68E-10
477363.09, 3856377.25	0.00155	0.000314	9.91E-08	9.34E-09	5.65E-06	1.78E-09	1.68E-10
477863.09, 3856377.25	0.00144	0.0002917	9.21E-08	8.68E-09	5.25E-06	1.66E-09	1.56E-10
478363.09, 3856377.25	0.00139	0.0002815	8.89E-08	8.38E-09	5.07E-06	1.60E-09	1.51E-10
478863.09, 3856377.25	0.00159	0.0003221	1.02E-07	9.58E-09	5.80E-06	1.83E-09	1.73E-10
479363.09, 3856377.25	0.0017	0.0003443	1.09E-07	1.02E-08	6.20E-06	1.96E-09	1.84E-10
479863.09, 3856377.25	0.00201	0.0004071	1.28E-07	1.21E-08	7.33E-06	2.31E-09	2.18E-10
480363.09, 3856377.25	0.00251	0.0005084	1.60E-07	1.51E-08	9.15E-06	2.89E-09	2.72E-10
480863.09, 3856377.25	0.0033	0.0006684	2.11E-07	1.99E-08	1.20E-05	3.80E-09	3.58E-10
481363.09, 3856377.25	0.00451	0.0009135	2.88E-07	2.72E-08	1.64E-05	5.19E-09	4.89E-10
481863.09, 3856377.25	0.00659	0.0013348	4.21E-07	3.97E-08	2.40E-05	7.58E-09	7.15E-10
482363.09, 3856377.25	0.00831	0.0016832	5.31E-07	5.01E-08	3.03E-05	9.56E-09	9.02E-10
482863.09, 3856377.25	0.00793	0.0016063	5.07E-07	4.78E-08	2.89E-05	9.13E-09	8.61E-10
483363.09, 3856377.25	0.00766	0.0015516	4.90E-07	4.62E-08	2.79E-05	8.82E-09	8.31E-10
483863.09, 3856377.25	0.00772	0.0015637	4.94E-07	4.65E-08	2.82E-05	8.89E-09	8.38E-10
484363.09, 3856377.25	0.00849	0.0017197	5.43E-07	5.12E-08	3.10E-05	9.77E-09	9.21E-10
484863.09, 3856377.25	0.00885	0.0017926	5.66E-07	5.33E-08	3.23E-05	1.02E-08	9.60E-10
485363.09, 3856377.25	0.00747	0.0015131	4.78E-07	4.50E-08	2.72E-05	8.60E-09	8.11E-10
485863.09, 3856377.25	0.00637	0.0012903	4.07E-07	3.84E-08	2.32E-05	7.33E-09	6.91E-10
486363.09, 3856377.25	0.00471	0.000954	3.01E-07	2.84E-08	1.72E-05	5.42E-09	5.11E-10
486863.09, 3856377.25	0.00479	0.0009702	3.06E-07	2.89E-08	1.75E-05	5.51E-09	5.20E-10
487363.09, 3856377.25	0.00551	0.0011161	3.52E-07	3.32E-08	2.01E-05	6.34E-09	5.98E-10
487863.09, 3856377.25	0.00643	0.0013024	4.11E-07	3.88E-08	2.34E-05	7.40E-09	6.98E-10
488363.09, 3856377.25	0.00651	0.0013186	4.16E-07	3.92E-08	2.37E-05	7.49E-09	7.06E-10
488863.09, 3856377.25	0.00698	0.0014138	4.46E-07	4.21E-08	2.55E-05	8.03E-09	7.57E-10
489363.09, 3856377.25	0.00747	0.0015131	4.78E-07	4.50E-08	2.72E-05	8.60E-09	8.11E-10
489863.09, 3856377.25	0.00736	0.0014908	4.71E-07	4.44E-08	2.68E-05	8.47E-09	7.99E-10
490363.09, 3856377.25	0.00608	0.0012315	3.89E-07	3.66E-08	2.22E-05	7.00E-09	6.60E-10
490863.09, 3856377.25	0.00508	0.001029	3.25E-07	3.06E-08	1.85E-05	5.85E-09	5.51E-10
491363.09, 3856377.25	0.00468	0.000948	2.99E-07	2.82E-08	1.71E-05	5.39E-09	5.08E-10
491863.09, 3856377.25	0.00403	0.0008163	2.58E-07	2.43E-08	1.47E-05	4.64E-09	4.37E-10

492363.09, 3856377.25	0.00344	0.0006968	2.20E-07	2.07E-08	1.25E-05	3.96E-09	3.73E-10
492863.09, 3856377.25	0.00295	0.0005975	1.89E-07	1.78E-08	1.08E-05	3.40E-09	3.20E-10
493363.09, 3856377.25	0.00235	0.000476	1.50E-07	1.42E-08	8.57E-06	2.70E-09	2.55E-10
493863.09, 3856377.25	0.00209	0.0004233	1.34E-07	1.26E-08	7.62E-06	2.41E-09	2.27E-10
494363.09, 3856377.25	0.00176	0.0003565	1.13E-07	1.06E-08	6.42E-06	2.03E-09	1.91E-10
494863.09, 3856377.25	0.00152	0.0003079	9.72E-08	9.16E-09	5.54E-06	1.75E-09	1.65E-10
495363.09, 3856377.25	0.00135	0.0002734	8.63E-08	8.14E-09	4.92E-06	1.55E-09	1.46E-10
495863.09, 3856377.25	0.0013	0.0002633	8.31E-08	7.84E-09	4.74E-06	1.50E-09	1.41E-10
496363.09, 3856377.25	0.00133	0.0002694	8.50E-08	8.02E-09	4.85E-06	1.53E-09	1.44E-10
496863.09, 3856377.25	0.00142	0.0002876	9.08E-08	8.56E-09	5.18E-06	1.63E-09	1.54E-10
497363.09, 3856377.25	0.00155	0.000314	9.91E-08	9.34E-09	5.65E-06	1.78E-09	1.68E-10
497863.09, 3856377.25	0.00176	0.0003565	1.13E-07	1.06E-08	6.42E-06	2.03E-09	1.91E-10
498363.09, 3856377.25	0.00213	0.0004314	1.36E-07	1.28E-08	7.77E-06	2.45E-09	2.31E-10
471363.09, 3856877.25	0.00167	0.0003383	1.07E-07	1.01E-08	6.09E-06	1.92E-09	1.81E-10
471863.09, 3856877.25	0.00171	0.0003464	1.09E-07	1.03E-08	6.24E-06	1.97E-09	1.86E-10
472363.09, 3856877.25	0.00181	0.0003666	1.16E-07	1.09E-08	6.60E-06	2.08E-09	1.96E-10
472863.09, 3856877.25	0.0019	0.0003849	1.21E-07	1.15E-08	6.93E-06	2.19E-09	2.06E-10
473363.09, 3856877.25	0.00209	0.0004233	1.34E-07	1.26E-08	7.62E-06	2.41E-09	2.27E-10
473863.09, 3856877.25	0.0022	0.0004456	1.41E-07	1.33E-08	8.02E-06	2.53E-09	2.39E-10
474363.09, 3856877.25	0.00214	0.0004335	1.37E-07	1.29E-08	7.80E-06	2.46E-09	2.32E-10
474863.09, 3856877.25	0.00202	0.0004092	1.29E-07	1.22E-08	7.37E-06	2.32E-09	2.19E-10
475363.09, 3856877.25	0.00189	0.0003828	1.21E-07	1.14E-08	6.89E-06	2.18E-09	2.05E-10
475863.09, 3856877.25	0.00185	0.0003747	1.18E-07	1.12E-08	6.75E-06	2.13E-09	2.01E-10
476363.09, 3856877.25	0.00178	0.0003605	1.14E-07	1.07E-08	6.49E-06	2.05E-09	1.93E-10
476863.09, 3856877.25	0.00179	0.0003626	1.14E-07	1.08E-08	6.53E-06	2.06E-09	1.94E-10
477363.09, 3856877.25	0.00175	0.0003545	1.12E-07	1.05E-08	6.38E-06	2.01E-09	1.90E-10
477863.09, 3856877.25	0.0016	0.0003241	1.02E-07	9.64E-09	5.83E-06	1.84E-09	1.74E-10
478363.09, 3856877.25	0.00153	0.0003099	9.78E-08	9.22E-09	5.58E-06	1.76E-09	1.66E-10
478863.09, 3856877.25	0.00161	0.0003261	1.03E-07	9.70E-09	5.87E-06	1.85E-09	1.75E-10
479363.09, 3856877.25	0.00169	0.0003423	1.08E-07	1.02E-08	6.16E-06	1.95E-09	1.83E-10
479863.09, 3856877.25	0.00212	0.0004294	1.36E-07	1.28E-08	7.73E-06	2.44E-09	2.30E-10
480363.09, 3856877.25	0.00242	0.0004902	1.55E-07	1.46E-08	8.82E-06	2.79E-09	2.63E-10
480863.09, 3856877.25	0.00289	0.0005854	1.85E-07	1.74E-08	1.05E-05	3.33E-09	3.14E-10
481363.09, 3856877.25	0.00364	0.0007373	2.33E-07	2.19E-08	1.33E-05	4.19E-09	3.95E-10
481863.09, 3856877.25	0.00466	0.0009439	2.98E-07	2.81E-08	1.70E-05	5.36E-09	5.06E-10
482363.09, 3856877.25	0.00781	0.0015819	4.99E-07	4.71E-08	2.85E-05	8.99E-09	8.48E-10
482863.09, 3856877.25	0.00946	0.0019162	6.05E-07	5.70E-08	3.45E-05	1.09E-08	1.03E-09
483363.09, 3856877.25	0.00992	0.0020093	6.34E-07	5.98E-08	3.62E-05	1.14E-08	1.08E-09
483863.09, 3856877.25	0.00961	0.0019465	6.14E-07	5.79E-08	3.50E-05	1.11E-08	1.04E-09
484363.09, 3856877.25	0.00908	0.0018392	5.80E-07	5.47E-08	3.31E-05	1.05E-08	9.85E-10
484863.09, 3856877.25	0.00938	0.0019	6.00E-07	5.65E-08	3.42E-05	1.08E-08	1.02E-09
485363.09, 3856877.25	0.00913	0.0018493	5.84E-07	5.50E-08	3.33E-05	1.05E-08	9.91E-10
485863.09, 3856877.25	0.0085	0.0017217	5.43E-07	5.12E-08	3.10E-05	9.78E-09	9.22E-10
486363.09, 3856877.25	0.00556	0.0011262	3.55E-07	3.35E-08	2.03E-05	6.40E-09	6.03E-10
486863.09, 3856877.25	0.00591	0.0011971	3.78E-07	3.56E-08	2.16E-05	6.80E-09	6.41E-10
487363.09, 3856877.25	0.00631	0.0012781	4.03E-07	3.80E-08	2.30E-05	7.26E-09	6.85E-10
487863.09, 3856877.25	0.00707	0.0014321	4.52E-07	4.26E-08	2.58E-05	8.14E-09	7.67E-10
488363.09, 3856877.25	0.00858	0.0017379	5.49E-07	5.17E-08	3.13E-05	9.88E-09	9.31E-10
488863.09, 3856877.25	0.00895	0.0018129	5.72E-07	5.39E-08	3.26E-05	1.03E-08	9.71E-10
489363.09, 3856877.25	0.00936	0.0018959	5.98E-07	5.64E-08	3.41E-05	1.08E-08	1.02E-09
489863.09, 3856877.25	0.00944	0.0019121	6.03E-07	5.69E-08	3.44E-05	1.09E-08	1.02E-09
490363.09, 3856877.25	0.00854	0.0017298	5.46E-07	5.15E-08	3.11E-05	9.83E-09	9.27E-10
490863.09, 3856877.25	0.00694	0.0014057	4.44E-07	4.18E-08	2.53E-05	7.99E-09	7.53E-10
491363.09, 3856877.25	0.0057	0.0011546	3.64E-07	3.44E-08	2.08E-05	6.56E-09	6.19E-10
491863.09, 3856877.25	0.00499	0.0010107	3.19E-07	3.01E-08	1.82E-05	5.74E-09	5.42E-10
492363.09, 3856877.25	0.00356	0.0007211	2.28E-07	2.15E-08	1.30E-05	4.10E-09	3.86E-10
492863.09, 3856877.25	0.00312	0.000632	1.99E-07	1.88E-08	1.14E-05	3.59E-09	3.39E-10
493363.09, 3856877.25	0.0027	0.0005469	1.73E-07	1.63E-08	9.85E-06	3.11E-09	2.93E-10
493863.09, 3856877.25	0.00229	0.0004638	1.46E-07	1.38E-08	8.35E-06	2.64E-09	2.49E-10
494363.09, 3856877.25	0.00193	0.0003909	1.23E-07	1.16E-08	7.04E-06	2.22E-09	2.09E-10

494863.09, 3856877.25	0.00176	0.0003565	1.13E-07	1.06E-08	6.42E-06	2.03E-09	1.91E-10
495363.09, 3856877.25	0.00165	0.0003342	1.05E-07	9.95E-09	6.02E-06	1.90E-09	1.79E-10
495863.09, 3856877.25	0.00161	0.0003261	1.03E-07	9.70E-09	5.87E-06	1.85E-09	1.75E-10
496363.09, 3856877.25	0.00165	0.0003342	1.05E-07	9.95E-09	6.02E-06	1.90E-09	1.79E-10
496863.09, 3856877.25	0.00177	0.0003585	1.13E-07	1.07E-08	6.45E-06	2.04E-09	1.92E-10
497363.09, 3856877.25	0.00194	0.000393	1.24E-07	1.17E-08	7.07E-06	2.23E-09	2.11E-10
497863.09, 3856877.25	0.00233	0.0004719	1.49E-07	1.40E-08	8.50E-06	2.68E-09	2.53E-10
498363.09, 3856877.25	0.00291	0.0005894	1.86E-07	1.75E-08	1.06E-05	3.35E-09	3.16E-10
471363.09, 3857377.25	0.00148	0.0002998	9.46E-08	8.92E-09	5.40E-06	1.70E-09	1.61E-10
471863.09, 3857377.25	0.00155	0.000314	9.91E-08	9.34E-09	5.65E-06	1.78E-09	1.68E-10
472363.09, 3857377.25	0.00166	0.0003362	1.06E-07	1.00E-08	6.05E-06	1.91E-09	1.80E-10
472863.09, 3857377.25	0.00179	0.0003626	1.14E-07	1.08E-08	6.53E-06	2.06E-09	1.94E-10
473363.09, 3857377.25	0.00195	0.000395	1.25E-07	1.18E-08	7.11E-06	2.24E-09	2.12E-10
473863.09, 3857377.25	0.00215	0.0004355	1.37E-07	1.30E-08	7.84E-06	2.47E-09	2.33E-10
474363.09, 3857377.25	0.00203	0.0004112	1.30E-07	1.22E-08	7.40E-06	2.34E-09	2.20E-10
474863.09, 3857377.25	0.00177	0.0003585	1.13E-07	1.07E-08	6.45E-06	2.04E-09	1.92E-10
475363.09, 3857377.25	0.00159	0.0003221	1.02E-07	9.58E-09	5.80E-06	1.83E-09	1.73E-10
475863.09, 3857377.25	0.00159	0.0003221	1.02E-07	9.58E-09	5.80E-06	1.83E-09	1.73E-10
476363.09, 3857377.25	0.00177	0.0003585	1.13E-07	1.07E-08	6.45E-06	2.04E-09	1.92E-10
476863.09, 3857377.25	0.00186	0.0003767	1.19E-07	1.12E-08	6.78E-06	2.14E-09	2.02E-10
477363.09, 3857377.25	0.00179	0.0003626	1.14E-07	1.08E-08	6.53E-06	2.06E-09	1.94E-10
477863.09, 3857377.25	0.00169	0.0003423	1.08E-07	1.02E-08	6.16E-06	1.95E-09	1.83E-10
478363.09, 3857377.25	0.00161	0.0003261	1.03E-07	9.70E-09	5.87E-06	1.85E-09	1.75E-10
478863.09, 3857377.25	0.00158	0.00032	1.01E-07	9.52E-09	5.76E-06	1.82E-09	1.71E-10
479363.09, 3857377.25	0.0018	0.0003646	1.15E-07	1.08E-08	6.56E-06	2.07E-09	1.95E-10
479863.09, 3857377.25	0.0024	0.0004861	1.53E-07	1.45E-08	8.75E-06	2.76E-09	2.60E-10
480363.09, 3857377.25	0.00217	0.0004395	1.39E-07	1.31E-08	7.91E-06	2.50E-09	2.35E-10
480863.09, 3857377.25	0.00356	0.0007211	2.28E-07	2.15E-08	1.30E-05	4.10E-09	3.86E-10
481363.09, 3857377.25	0.0035	0.0007089	2.24E-07	2.11E-08	1.28E-05	4.03E-09	3.80E-10
481863.09, 3857377.25	0.00377	0.0007636	2.41E-07	2.27E-08	1.37E-05	4.34E-09	4.09E-10
482363.09, 3857377.25	0.0052	0.0010533	3.32E-07	3.13E-08	1.90E-05	5.98E-09	5.64E-10
482863.09, 3857377.25	0.00684	0.0013855	4.37E-07	4.12E-08	2.49E-05	7.87E-09	7.42E-10
483363.09, 3857377.25	0.00871	0.0017642	5.57E-07	5.25E-08	3.18E-05	1.00E-08	9.45E-10
483863.09, 3857377.25	0.01049	0.0021248	6.71E-07	6.32E-08	3.83E-05	1.21E-08	1.14E-09
484363.09, 3857377.25	0.01164	0.0023577	7.44E-07	7.02E-08	4.24E-05	1.34E-08	1.26E-09
484863.09, 3857377.25	0.01169	0.0023679	7.47E-07	7.05E-08	4.26E-05	1.35E-08	1.27E-09
485363.09, 3857377.25	0.01138	0.0023051	7.28E-07	6.86E-08	4.15E-05	1.31E-08	1.23E-09
485863.09, 3857377.25	0.01156	0.0023415	7.39E-07	6.97E-08	4.22E-05	1.33E-08	1.25E-09
486363.09, 3857377.25	0.0088	0.0017825	5.63E-07	5.30E-08	3.21E-05	1.01E-08	9.55E-10
486863.09, 3857377.25	0.00681	0.0013794	4.35E-07	4.10E-08	2.48E-05	7.84E-09	7.39E-10
487363.09, 3857377.25	0.00776	0.0015718	4.96E-07	4.68E-08	2.83E-05	8.93E-09	8.42E-10
487863.09, 3857377.25	0.00883	0.0017885	5.64E-07	5.32E-08	3.22E-05	1.02E-08	9.58E-10
488363.09, 3857377.25	0.00962	0.0019486	6.15E-07	5.80E-08	3.51E-05	1.11E-08	1.04E-09
488863.09, 3857377.25	0.01101	0.0022301	7.04E-07	6.64E-08	4.01E-05	1.27E-08	1.19E-09
489363.09, 3857377.25	0.0119	0.0024104	7.61E-07	7.17E-08	4.34E-05	1.37E-08	1.29E-09
489863.09, 3857377.25	0.01094	0.0022159	6.99E-07	6.59E-08	3.99E-05	1.26E-08	1.19E-09
490363.09, 3857377.25	0.01016	0.0020579	6.50E-07	6.12E-08	3.71E-05	1.17E-08	1.10E-09
490863.09, 3857377.25	0.00956	0.0019364	6.11E-07	5.76E-08	3.49E-05	1.10E-08	1.04E-09
491363.09, 3857377.25	0.00793	0.0016063	5.07E-07	4.78E-08	2.89E-05	9.13E-09	8.61E-10
491863.09, 3857377.25	0.00591	0.0011971	3.78E-07	3.56E-08	2.16E-05	6.80E-09	6.41E-10
492363.09, 3857377.25	0.00403	0.0008163	2.58E-07	2.43E-08	1.47E-05	4.64E-09	4.37E-10
492863.09, 3857377.25	0.00334	0.0006765	2.14E-07	2.01E-08	1.22E-05	3.84E-09	3.62E-10
493363.09, 3857377.25	0.00284	0.0005753	1.82E-07	1.71E-08	1.04E-05	3.27E-09	3.08E-10
493863.09, 3857377.25	0.00262	0.0005307	1.67E-07	1.58E-08	9.55E-06	3.02E-09	2.84E-10
494363.09, 3857377.25	0.00236	0.000478	1.51E-07	1.42E-08	8.61E-06	2.72E-09	2.56E-10
494863.09, 3857377.25	0.00221	0.0004476	1.41E-07	1.33E-08	8.06E-06	2.54E-09	2.40E-10
495363.09, 3857377.25	0.00213	0.0004314	1.36E-07	1.28E-08	7.77E-06	2.45E-09	2.31E-10
495863.09, 3857377.25	0.0021	0.0004254	1.34E-07	1.27E-08	7.66E-06	2.42E-09	2.28E-10
496363.09, 3857377.25	0.00219	0.0004436	1.40E-07	1.32E-08	7.99E-06	2.52E-09	2.38E-10
496863.09, 3857377.25	0.00233	0.0004719	1.49E-07	1.40E-08	8.50E-06	2.68E-09	2.53E-10

497363.09, 3857377.25	0.00263	0.0005327	1.68E-07	1.59E-08	9.59E-06	3.03E-09	2.85E-10
497863.09, 3857377.25	0.0032	0.0006482	2.05E-07	1.93E-08	1.17E-05	3.68E-09	3.47E-10
498363.09, 3857377.25	0.00417	0.0008446	2.67E-07	2.51E-08	1.52E-05	4.80E-09	4.53E-10
471363.09, 3857877.25	0.00137	0.0002775	8.76E-08	8.26E-09	5.00E-06	1.58E-09	1.49E-10
471863.09, 3857877.25	0.00138	0.0002795	8.82E-08	8.32E-09	5.03E-06	1.59E-09	1.50E-10
472363.09, 3857877.25	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
472863.09, 3857877.25	0.00154	0.0003119	9.85E-08	9.28E-09	5.62E-06	1.77E-09	1.67E-10
473363.09, 3857877.25	0.00164	0.0003322	1.05E-07	9.89E-09	5.98E-06	1.89E-09	1.78E-10
473863.09, 3857877.25	0.0018	0.0003646	1.15E-07	1.08E-08	6.56E-06	2.07E-09	1.95E-10
474363.09, 3857877.25	0.00171	0.0003464	1.09E-07	1.03E-08	6.24E-06	1.97E-09	1.86E-10
474863.09, 3857877.25	0.00158	0.00032	1.01E-07	9.52E-09	5.76E-06	1.82E-09	1.71E-10
475363.09, 3857877.25	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
475863.09, 3857877.25	0.00119	0.000241	7.61E-08	7.17E-09	4.34E-06	1.37E-09	1.29E-10
476363.09, 3857877.25	0.00157	0.000318	1.00E-07	9.46E-09	5.73E-06	1.81E-09	1.70E-10
476863.09, 3857877.25	0.00172	0.0003484	1.10E-07	1.04E-08	6.27E-06	1.98E-09	1.87E-10
477363.09, 3857877.25	0.00174	0.0003524	1.11E-07	1.05E-08	6.35E-06	2.00E-09	1.89E-10
477863.09, 3857877.25	0.00176	0.0003565	1.13E-07	1.06E-08	6.42E-06	2.03E-09	1.91E-10
478363.09, 3857877.25	0.00152	0.0003079	9.72E-08	9.16E-09	5.54E-06	1.75E-09	1.65E-10
478863.09, 3857877.25	0.00147	0.0002978	9.40E-08	8.86E-09	5.36E-06	1.69E-09	1.60E-10
479363.09, 3857877.25	0.00247	0.0005003	1.58E-07	1.49E-08	9.01E-06	2.84E-09	2.68E-10
479863.09, 3857877.25	0.00329	0.0006664	2.10E-07	1.98E-08	1.20E-05	3.79E-09	3.57E-10
480363.09, 3857877.25	0.00375	0.0007596	2.40E-07	2.26E-08	1.37E-05	4.32E-09	4.07E-10
480863.09, 3857877.25	0.00395	0.0008001	2.53E-07	2.38E-08	1.44E-05	4.55E-09	4.29E-10
481363.09, 3857877.25	0.00414	0.0008386	2.65E-07	2.50E-08	1.51E-05	4.76E-09	4.49E-10
481863.09, 3857877.25	0.00454	0.0009196	2.90E-07	2.74E-08	1.66E-05	5.23E-09	4.93E-10
482363.09, 3857877.25	0.00556	0.0011262	3.55E-07	3.35E-08	2.03E-05	6.40E-09	6.03E-10
482863.09, 3857877.25	0.00747	0.0015131	4.78E-07	4.50E-08	2.72E-05	8.60E-09	8.11E-10
483363.09, 3857877.25	0.00751	0.0015212	4.80E-07	4.53E-08	2.74E-05	8.64E-09	8.15E-10
483863.09, 3857877.25	0.0078	0.0015799	4.99E-07	4.70E-08	2.84E-05	8.98E-09	8.46E-10
484363.09, 3857877.25	0.00925	0.0018736	5.91E-07	5.58E-08	3.37E-05	1.06E-08	1.00E-09
484863.09, 3857877.25	0.01142	0.0023132	7.30E-07	6.88E-08	4.16E-05	1.31E-08	1.24E-09
485363.09, 3857877.25	0.01342	0.0027183	8.58E-07	8.09E-08	4.89E-05	1.54E-08	1.46E-09
485863.09, 3857877.25	0.01412	0.0028601	9.03E-07	8.51E-08	5.15E-05	1.63E-08	1.53E-09
486363.09, 3857877.25	0.01388	0.0028114	8.87E-07	8.37E-08	5.06E-05	1.60E-08	1.51E-09
486863.09, 3857877.25	0.01317	0.0026676	8.42E-07	7.94E-08	4.80E-05	1.52E-08	1.43E-09
487363.09, 3857877.25	0.01132	0.0022929	7.24E-07	6.82E-08	4.13E-05	1.30E-08	1.23E-09
487863.09, 3857877.25	0.01097	0.002222	7.01E-07	6.61E-08	4.00E-05	1.26E-08	1.19E-09
488363.09, 3857877.25	0.01212	0.0024549	7.75E-07	7.31E-08	4.42E-05	1.39E-08	1.32E-09
488863.09, 3857877.25	0.01324	0.0026818	8.46E-07	7.98E-08	4.83E-05	1.52E-08	1.44E-09
489363.09, 3857877.25	0.01276	0.0025846	8.16E-07	7.69E-08	4.65E-05	1.47E-08	1.38E-09
489863.09, 3857877.25	0.01249	0.0025299	7.98E-07	7.53E-08	4.55E-05	1.44E-08	1.36E-09
490363.09, 3857877.25	0.01244	0.0025198	7.95E-07	7.50E-08	4.54E-05	1.43E-08	1.35E-09
490863.09, 3857877.25	0.01161	0.0023516	7.42E-07	7.00E-08	4.23E-05	1.34E-08	1.26E-09
491363.09, 3857877.25	0.00943	0.0019101	6.03E-07	5.68E-08	3.44E-05	1.09E-08	1.02E-09
491863.09, 3857877.25	0.00664	0.001345	4.24E-07	4.00E-08	2.42E-05	7.64E-09	7.21E-10
492363.09, 3857877.25	0.00454	0.0009196	2.90E-07	2.74E-08	1.66E-05	5.23E-09	4.93E-10
492863.09, 3857877.25	0.00378	0.0007657	2.42E-07	2.28E-08	1.38E-05	4.35E-09	4.10E-10
493363.09, 3857877.25	0.00347	0.0007029	2.22E-07	2.09E-08	1.27E-05	3.99E-09	3.77E-10
493863.09, 3857877.25	0.0033	0.0006684	2.11E-07	1.99E-08	1.20E-05	3.80E-09	3.58E-10
494363.09, 3857877.25	0.00311	0.0006299	1.99E-07	1.87E-08	1.13E-05	3.58E-09	3.37E-10
494863.09, 3857877.25	0.00293	0.0005935	1.87E-07	1.77E-08	1.07E-05	3.37E-09	3.18E-10
495363.09, 3857877.25	0.00288	0.0005834	1.84E-07	1.74E-08	1.05E-05	3.31E-09	3.13E-10
495863.09, 3857877.25	0.00291	0.0005894	1.86E-07	1.75E-08	1.06E-05	3.35E-09	3.16E-10
496363.09, 3857877.25	0.00302	0.0006117	1.93E-07	1.82E-08	1.10E-05	3.48E-09	3.28E-10
496863.09, 3857877.25	0.00331	0.0006705	2.12E-07	2.00E-08	1.21E-05	3.81E-09	3.59E-10
497363.09, 3857877.25	0.00375	0.0007596	2.40E-07	2.26E-08	1.37E-05	4.32E-09	4.07E-10
497863.09, 3857877.25	0.00469	0.00095	3.00E-07	2.83E-08	1.71E-05	5.40E-09	5.09E-10
498363.09, 3857877.25	0.00604	0.0012234	3.86E-07	3.64E-08	2.20E-05	6.95E-09	6.55E-10
471363.09, 3858377.25	0.00166	0.0003362	1.06E-07	1.00E-08	6.05E-06	1.91E-09	1.80E-10
471863.09, 3858377.25	0.00164	0.0003322	1.05E-07	9.89E-09	5.98E-06	1.89E-09	1.78E-10

472363.09, 3858377.25	0.00162	0.0003281	1.04E-07	9.76E-09	5.91E-06	1.86E-09	1.76E-10
472863.09, 3858377.25	0.00165	0.0003342	1.05E-07	9.95E-09	6.02E-06	1.90E-09	1.79E-10
473363.09, 3858377.25	0.00176	0.0003565	1.13E-07	1.06E-08	6.42E-06	2.03E-09	1.91E-10
473863.09, 3858377.25	0.00169	0.0003423	1.08E-07	1.02E-08	6.16E-06	1.95E-09	1.83E-10
474363.09, 3858377.25	0.00155	0.000314	9.91E-08	9.34E-09	5.65E-06	1.78E-09	1.68E-10
474863.09, 3858377.25	0.00146	0.0002957	9.33E-08	8.80E-09	5.32E-06	1.68E-09	1.58E-10
475363.09, 3858377.25	0.00139	0.0002815	8.89E-08	8.38E-09	5.07E-06	1.60E-09	1.51E-10
475863.09, 3858377.25	0.00135	0.0002734	8.63E-08	8.14E-09	4.92E-06	1.55E-09	1.46E-10
476363.09, 3858377.25	0.00142	0.0002876	9.08E-08	8.56E-09	5.18E-06	1.63E-09	1.54E-10
476863.09, 3858377.25	0.00151	0.0003059	9.65E-08	9.10E-09	5.51E-06	1.74E-09	1.64E-10
477363.09, 3858377.25	0.00155	0.000314	9.91E-08	9.34E-09	5.65E-06	1.78E-09	1.68E-10
477863.09, 3858377.25	0.00172	0.0003484	1.10E-07	1.04E-08	6.27E-06	1.98E-09	1.87E-10
478363.09, 3858377.25	0.00182	0.0003686	1.16E-07	1.10E-08	6.64E-06	2.09E-09	1.98E-10
478863.09, 3858377.25	0.0017	0.0003443	1.09E-07	1.02E-08	6.20E-06	1.96E-09	1.84E-10
479363.09, 3858377.25	0.00245	0.0004963	1.57E-07	1.48E-08	8.93E-06	2.82E-09	2.66E-10
479863.09, 3858377.25	0.00352	0.000713	2.25E-07	2.12E-08	1.28E-05	4.05E-09	3.82E-10
480363.09, 3858377.25	0.00424	0.0008588	2.71E-07	2.56E-08	1.55E-05	4.88E-09	4.60E-10
480863.09, 3858377.25	0.00457	0.0009257	2.92E-07	2.75E-08	1.67E-05	5.26E-09	4.96E-10
481363.09, 3858377.25	0.00488	0.0009885	3.12E-07	2.94E-08	1.78E-05	5.62E-09	5.30E-10
481863.09, 3858377.25	0.00496	0.0010047	3.17E-07	2.99E-08	1.81E-05	5.71E-09	5.38E-10
482363.09, 3858377.25	0.00525	0.0010634	3.36E-07	3.16E-08	1.91E-05	6.04E-09	5.70E-10
482863.09, 3858377.25	0.00645	0.0013065	4.12E-07	3.89E-08	2.35E-05	7.42E-09	7.00E-10
483363.09, 3858377.25	0.0085	0.0017217	5.43E-07	5.12E-08	3.10E-05	9.78E-09	9.22E-10
483863.09, 3858377.25	0.00951	0.0019263	6.08E-07	5.73E-08	3.47E-05	1.09E-08	1.03E-09
484363.09, 3858377.25	0.00967	0.0019587	6.18E-07	5.83E-08	3.53E-05	1.11E-08	1.05E-09
484863.09, 3858377.25	0.00964	0.0019526	6.16E-07	5.81E-08	3.52E-05	1.11E-08	1.05E-09
485363.09, 3858377.25	0.01039	0.0021045	6.64E-07	6.26E-08	3.79E-05	1.20E-08	1.13E-09
485863.09, 3858377.25	0.01239	0.0025096	7.92E-07	7.47E-08	4.52E-05	1.43E-08	1.34E-09
486363.09, 3858377.25	0.01519	0.0030768	9.71E-07	9.16E-08	5.54E-05	1.75E-08	1.65E-09
486863.09, 3858377.25	0.01727	0.0034981	1.10E-06	1.04E-07	6.30E-05	1.99E-08	1.87E-09
487363.09, 3858377.25	0.01741	0.0035265	1.11E-06	1.05E-07	6.35E-05	2.00E-08	1.89E-09
487863.09, 3858377.25	0.01602	0.0032449	1.02E-06	9.66E-08	5.84E-05	1.84E-08	1.74E-09
488363.09, 3858377.25	0.01529	0.003097	9.77E-07	9.22E-08	5.58E-05	1.76E-08	1.66E-09
488863.09, 3858377.25	0.01521	0.0030808	9.72E-07	9.17E-08	5.55E-05	1.75E-08	1.65E-09
489363.09, 3858377.25	0.01452	0.0029411	9.28E-07	8.75E-08	5.29E-05	1.67E-08	1.58E-09
489863.09, 3858377.25	0.01448	0.002933	9.26E-07	8.73E-08	5.28E-05	1.67E-08	1.57E-09
490363.09, 3858377.25	0.01382	0.0027993	8.84E-07	8.33E-08	5.04E-05	1.59E-08	1.50E-09
490863.09, 3858377.25	0.01404	0.0028439	8.98E-07	8.46E-08	5.12E-05	1.62E-08	1.52E-09
491363.09, 3858377.25	0.01053	0.0021329	6.73E-07	6.35E-08	3.84E-05	1.21E-08	1.14E-09
491863.09, 3858377.25	0.00709	0.0014361	4.53E-07	4.27E-08	2.59E-05	8.16E-09	7.69E-10
492363.09, 3858377.25	0.00538	0.0010897	3.44E-07	3.24E-08	1.96E-05	6.19E-09	5.84E-10
492863.09, 3858377.25	0.00516	0.0010452	3.30E-07	3.11E-08	1.88E-05	5.94E-09	5.60E-10
493363.09, 3858377.25	0.00481	0.0009743	3.07E-07	2.90E-08	1.75E-05	5.54E-09	5.22E-10
493863.09, 3858377.25	0.00454	0.0009196	2.90E-07	2.74E-08	1.66E-05	5.23E-09	4.93E-10
494363.09, 3858377.25	0.00442	0.0008953	2.83E-07	2.66E-08	1.61E-05	5.09E-09	4.80E-10
494863.09, 3858377.25	0.00425	0.0008609	2.72E-07	2.56E-08	1.55E-05	4.89E-09	4.61E-10
495363.09, 3858377.25	0.00412	0.0008345	2.63E-07	2.48E-08	1.50E-05	4.74E-09	4.47E-10
495863.09, 3858377.25	0.00424	0.0008588	2.71E-07	2.56E-08	1.55E-05	4.88E-09	4.60E-10
496363.09, 3858377.25	0.00441	0.0008933	2.82E-07	2.66E-08	1.61E-05	5.08E-09	4.79E-10
496863.09, 3858377.25	0.00497	0.0010067	3.18E-07	3.00E-08	1.81E-05	5.72E-09	5.39E-10
497363.09, 3858377.25	0.00574	0.0011627	3.67E-07	3.46E-08	2.09E-05	6.61E-09	6.23E-10
497863.09, 3858377.25	0.00742	0.0015029	4.74E-07	4.47E-08	2.71E-05	8.54E-09	8.05E-10
498363.09, 3858377.25	0.0096	0.0019445	6.14E-07	5.79E-08	3.50E-05	1.10E-08	1.04E-09
471363.09, 3858877.25	0.0017	0.0003443	1.09E-07	1.02E-08	6.20E-06	1.96E-09	1.84E-10
471863.09, 3858877.25	0.00172	0.0003484	1.10E-07	1.04E-08	6.27E-06	1.98E-09	1.87E-10
472363.09, 3858877.25	0.00184	0.0003727	1.18E-07	1.11E-08	6.71E-06	2.12E-09	2.00E-10
472863.09, 3858877.25	0.00193	0.0003909	1.23E-07	1.16E-08	7.04E-06	2.22E-09	2.09E-10
473363.09, 3858877.25	0.00211	0.0004274	1.35E-07	1.27E-08	7.69E-06	2.43E-09	2.29E-10
473863.09, 3858877.25	0.00203	0.0004112	1.30E-07	1.22E-08	7.40E-06	2.34E-09	2.20E-10
474363.09, 3858877.25	0.00177	0.0003585	1.13E-07	1.07E-08	6.45E-06	2.04E-09	1.92E-10

474863.09, 3858877.25	0.00142	0.0002876	9.08E-08	8.56E-09	5.18E-06	1.63E-09	1.54E-10
475363.09, 3858877.25	0.00136	0.0002755	8.69E-08	8.20E-09	4.96E-06	1.57E-09	1.48E-10
475863.09, 3858877.25	0.00142	0.0002876	9.08E-08	8.56E-09	5.18E-06	1.63E-09	1.54E-10
476363.09, 3858877.25	0.00132	0.0002674	8.44E-08	7.96E-09	4.81E-06	1.52E-09	1.43E-10
476863.09, 3858877.25	0.0014	0.0002836	8.95E-08	8.44E-09	5.11E-06	1.61E-09	1.52E-10
477363.09, 3858877.25	0.00145	0.0002937	9.27E-08	8.74E-09	5.29E-06	1.67E-09	1.57E-10
477863.09, 3858877.25	0.00155	0.000314	9.91E-08	9.34E-09	5.65E-06	1.78E-09	1.68E-10
478363.09, 3858877.25	0.00183	0.0003707	1.17E-07	1.10E-08	6.67E-06	2.11E-09	1.99E-10
478863.09, 3858877.25	0.00184	0.0003727	1.18E-07	1.11E-08	6.71E-06	2.12E-09	2.00E-10
479363.09, 3858877.25	0.00184	0.0003727	1.18E-07	1.11E-08	6.71E-06	2.12E-09	2.00E-10
479863.09, 3858877.25	0.00319	0.0006461	2.04E-07	1.92E-08	1.16E-05	3.67E-09	3.46E-10
480363.09, 3858877.25	0.00382	0.0007738	2.44E-07	2.30E-08	1.39E-05	4.40E-09	4.15E-10
480863.09, 3858877.25	0.00449	0.0009095	2.87E-07	2.71E-08	1.64E-05	5.17E-09	4.87E-10
481363.09, 3858877.25	0.00491	0.0009945	3.14E-07	2.96E-08	1.79E-05	5.65E-09	5.33E-10
481863.09, 3858877.25	0.00538	0.0010897	3.44E-07	3.24E-08	1.96E-05	6.19E-09	5.84E-10
482363.09, 3858877.25	0.00566	0.0011465	3.62E-07	3.41E-08	2.06E-05	6.51E-09	6.14E-10
482863.09, 3858877.25	0.00624	0.0012639	3.99E-07	3.76E-08	2.28E-05	7.18E-09	6.77E-10
483363.09, 3858877.25	0.00964	0.0019526	6.16E-07	5.81E-08	3.52E-05	1.11E-08	1.05E-09
483863.09, 3858877.25	0.01063	0.0021531	6.80E-07	6.41E-08	3.88E-05	1.22E-08	1.15E-09
484363.09, 3858877.25	0.01104	0.0022362	7.06E-07	6.65E-08	4.03E-05	1.27E-08	1.20E-09
484863.09, 3858877.25	0.01147	0.0023233	7.33E-07	6.91E-08	4.18E-05	1.32E-08	1.24E-09
485363.09, 3858877.25	0.01212	0.0024549	7.75E-07	7.31E-08	4.42E-05	1.39E-08	1.32E-09
485863.09, 3858877.25	0.01245	0.0025218	7.96E-07	7.50E-08	4.54E-05	1.43E-08	1.35E-09
486363.09, 3858877.25	0.01291	0.002615	8.25E-07	7.78E-08	4.71E-05	1.49E-08	1.40E-09
486863.09, 3858877.25	0.01395	0.0028256	8.92E-07	8.41E-08	5.09E-05	1.61E-08	1.51E-09
487363.09, 3858877.25	0.01589	0.0032186	1.02E-06	9.58E-08	5.79E-05	1.83E-08	1.72E-09
487863.09, 3858877.25	0.01962	0.0039741	1.25E-06	1.18E-07	7.15E-05	2.26E-08	2.13E-09
488363.09, 3858877.25	0.01994	0.0040389	1.27E-06	1.20E-07	7.27E-05	2.29E-08	2.16E-09
488863.09, 3858877.25	0.01797	0.0036399	1.15E-06	1.08E-07	6.55E-05	2.07E-08	1.95E-09
489363.09, 3858877.25	0.01675	0.0033928	1.07E-06	1.01E-07	6.11E-05	1.93E-08	1.82E-09
489863.09, 3858877.25	0.01702	0.0034475	1.09E-06	1.03E-07	6.21E-05	1.96E-08	1.85E-09
490363.09, 3858877.25	0.01558	0.0031558	9.96E-07	9.39E-08	5.68E-05	1.79E-08	1.69E-09
490863.09, 3858877.25	0.01182	0.0023942	7.56E-07	7.12E-08	4.31E-05	1.36E-08	1.28E-09
491363.09, 3858877.25	0.00903	0.0018291	5.77E-07	5.44E-08	3.29E-05	1.04E-08	9.80E-10
491863.09, 3858877.25	0.0073	0.0014786	4.67E-07	4.40E-08	2.66E-05	8.40E-09	7.92E-10
492363.09, 3858877.25	0.0079	0.0016002	5.05E-07	4.76E-08	2.88E-05	9.09E-09	8.57E-10
492863.09, 3858877.25	0.00888	0.0017987	5.68E-07	5.35E-08	3.24E-05	1.02E-08	9.64E-10
493363.09, 3858877.25	0.00738	0.0014948	4.72E-07	4.45E-08	2.69E-05	8.49E-09	8.01E-10
493863.09, 3858877.25	0.0065	0.0013166	4.16E-07	3.92E-08	2.37E-05	7.48E-09	7.05E-10
494363.09, 3858877.25	0.00655	0.0013267	4.19E-07	3.95E-08	2.39E-05	7.54E-09	7.11E-10
494863.09, 3858877.25	0.00666	0.001349	4.26E-07	4.01E-08	2.43E-05	7.67E-09	7.23E-10
495363.09, 3858877.25	0.00653	0.0013227	4.17E-07	3.94E-08	2.38E-05	7.52E-09	7.09E-10
495863.09, 3858877.25	0.00669	0.0013551	4.28E-07	4.03E-08	2.44E-05	7.70E-09	7.26E-10
496363.09, 3858877.25	0.00716	0.0014503	4.58E-07	4.32E-08	2.61E-05	8.24E-09	7.77E-10
496863.09, 3858877.25	0.00811	0.0016427	5.18E-07	4.89E-08	2.96E-05	9.33E-09	8.80E-10
497363.09, 3858877.25	0.00962	0.0019486	6.15E-07	5.80E-08	3.51E-05	1.11E-08	1.04E-09
497863.09, 3858877.25	0.0124	0.0025117	7.93E-07	7.47E-08	4.52E-05	1.43E-08	1.35E-09
498363.09, 3858877.25	0.01605	0.003251	1.03E-06	9.67E-08	5.85E-05	1.85E-08	1.74E-09
471363.09, 3859377.25	0.00157	0.000318	1.00E-07	9.46E-09	5.73E-06	1.81E-09	1.70E-10
471863.09, 3859377.25	0.00162	0.0003281	1.04E-07	9.76E-09	5.91E-06	1.86E-09	1.76E-10
472363.09, 3859377.25	0.00174	0.0003524	1.11E-07	1.05E-08	6.35E-06	2.00E-09	1.89E-10
472863.09, 3859377.25	0.00185	0.0003747	1.18E-07	1.12E-08	6.75E-06	2.13E-09	2.01E-10
473363.09, 3859377.25	0.002	0.0004051	1.28E-07	1.21E-08	7.29E-06	2.30E-09	2.17E-10
473863.09, 3859377.25	0.00204	0.0004132	1.30E-07	1.23E-08	7.44E-06	2.35E-09	2.21E-10
474363.09, 3859377.25	0.00172	0.0003484	1.10E-07	1.04E-08	6.27E-06	1.98E-09	1.87E-10
474863.09, 3859377.25	0.00151	0.0003059	9.65E-08	9.10E-09	5.51E-06	1.74E-09	1.64E-10
475363.09, 3859377.25	0.00139	0.0002815	8.89E-08	8.38E-09	5.07E-06	1.60E-09	1.51E-10
475863.09, 3859377.25	0.00131	0.0002653	8.37E-08	7.90E-09	4.78E-06	1.51E-09	1.42E-10
476363.09, 3859377.25	0.00133	0.0002694	8.50E-08	8.02E-09	4.85E-06	1.53E-09	1.44E-10
476863.09, 3859377.25	0.00131	0.0002653	8.37E-08	7.90E-09	4.78E-06	1.51E-09	1.42E-10

477363.09, 3859377.25	0.00138	0.0002795	8.82E-08	8.32E-09	5.03E-06	1.59E-09	1.50E-10
477863.09, 3859377.25	0.00163	0.0003302	1.04E-07	9.83E-09	5.94E-06	1.88E-09	1.77E-10
478363.09, 3859377.25	0.00184	0.0003727	1.18E-07	1.11E-08	6.71E-06	2.12E-09	2.00E-10
478863.09, 3859377.25	0.00211	0.0004274	1.35E-07	1.27E-08	7.69E-06	2.43E-09	2.29E-10
479363.09, 3859377.25	0.00239	0.0004841	1.53E-07	1.44E-08	8.72E-06	2.75E-09	2.59E-10
479863.09, 3859377.25	0.00272	0.0005509	1.74E-07	1.64E-08	9.92E-06	3.13E-09	2.95E-10
480363.09, 3859377.25	0.00317	0.0006421	2.03E-07	1.91E-08	1.16E-05	3.65E-09	3.44E-10
480863.09, 3859377.25	0.00367	0.0007434	2.35E-07	2.21E-08	1.34E-05	4.22E-09	3.98E-10
481363.09, 3859377.25	0.00411	0.0008325	2.63E-07	2.48E-08	1.50E-05	4.73E-09	4.46E-10
481863.09, 3859377.25	0.00458	0.0009277	2.93E-07	2.76E-08	1.67E-05	5.27E-09	4.97E-10
482363.09, 3859377.25	0.00503	0.0010188	3.22E-07	3.03E-08	1.83E-05	5.79E-09	5.46E-10
482863.09, 3859377.25	0.00588	0.001191	3.76E-07	3.54E-08	2.14E-05	6.77E-09	6.38E-10
483363.09, 3859377.25	0.00786	0.0015921	5.02E-07	4.74E-08	2.87E-05	9.05E-09	8.53E-10
483863.09, 3859377.25	0.01095	0.002218	7.00E-07	6.60E-08	3.99E-05	1.26E-08	1.19E-09
484363.09, 3859377.25	0.01183	0.0023962	7.56E-07	7.13E-08	4.31E-05	1.36E-08	1.28E-09
484863.09, 3859377.25	0.01261	0.0025542	8.06E-07	7.60E-08	4.60E-05	1.45E-08	1.37E-09
485363.09, 3859377.25	0.01356	0.0027466	8.67E-07	8.17E-08	4.94E-05	1.56E-08	1.47E-09
485863.09, 3859377.25	0.01452	0.0029411	9.28E-07	8.75E-08	5.29E-05	1.67E-08	1.58E-09
486363.09, 3859377.25	0.01525	0.0030889	9.75E-07	9.19E-08	5.56E-05	1.76E-08	1.65E-09
486863.09, 3859377.25	0.01619	0.0032793	1.04E-06	9.76E-08	5.90E-05	1.86E-08	1.76E-09
487363.09, 3859377.25	0.01699	0.0034414	1.09E-06	1.02E-07	6.20E-05	1.96E-08	1.84E-09
487863.09, 3859377.25	0.01663	0.0033685	1.06E-06	1.00E-07	6.06E-05	1.91E-08	1.80E-09
488363.09, 3859377.25	0.01807	0.0036601	1.16E-06	1.09E-07	6.59E-05	2.08E-08	1.96E-09
488863.09, 3859377.25	0.02116	0.004286	1.35E-06	1.28E-07	7.72E-05	2.44E-08	2.30E-09
489363.09, 3859377.25	0.02287	0.0046324	1.46E-06	1.38E-07	8.34E-05	2.63E-08	2.48E-09
489863.09, 3859377.25	0.02189	0.0044339	1.40E-06	1.32E-07	7.98E-05	2.52E-08	2.38E-09
490363.09, 3859377.25	0.01877	0.0038019	1.20E-06	1.13E-07	6.84E-05	2.16E-08	2.04E-09
490863.09, 3859377.25	0.01461	0.0029593	9.34E-07	8.81E-08	5.33E-05	1.68E-08	1.59E-09
491363.09, 3859377.25	0.01007	0.0020397	6.44E-07	6.07E-08	3.67E-05	1.16E-08	1.09E-09
491863.09, 3859377.25	0.01254	0.00254	8.02E-07	7.56E-08	4.57E-05	1.44E-08	1.36E-09
492363.09, 3859377.25	0.01353	0.0027406	8.65E-07	8.16E-08	4.93E-05	1.56E-08	1.47E-09
492863.09, 3859377.25	0.01447	0.002931	9.25E-07	8.72E-08	5.28E-05	1.67E-08	1.57E-09
493363.09, 3859377.25	0.01215	0.002461	7.77E-07	7.32E-08	4.43E-05	1.40E-08	1.32E-09
493863.09, 3859377.25	0.01113	0.0022544	7.12E-07	6.71E-08	4.06E-05	1.28E-08	1.21E-09
494363.09, 3859377.25	0.01156	0.0023415	7.39E-07	6.97E-08	4.22E-05	1.33E-08	1.25E-09
494863.09, 3859377.25	0.01128	0.0022848	7.21E-07	6.80E-08	4.11E-05	1.30E-08	1.22E-09
495363.09, 3859377.25	0.01167	0.0023638	7.46E-07	7.03E-08	4.26E-05	1.34E-08	1.27E-09
495863.09, 3859377.25	0.01183	0.0023962	7.56E-07	7.13E-08	4.31E-05	1.36E-08	1.28E-09
496363.09, 3859377.25	0.01303	0.0026393	8.33E-07	7.85E-08	4.75E-05	1.50E-08	1.41E-09
496863.09, 3859377.25	0.01424	0.0028844	9.10E-07	8.58E-08	5.19E-05	1.64E-08	1.55E-09
497363.09, 3859377.25	0.01766	0.0035771	1.13E-06	1.06E-07	6.44E-05	2.03E-08	1.92E-09
497863.09, 3859377.25	0.02306	0.0046709	1.47E-06	1.39E-07	8.41E-05	2.65E-08	2.50E-09
498363.09, 3859377.25	0.02976	0.006028	1.90E-06	1.79E-07	1.09E-04	3.43E-08	3.23E-09
471363.09, 3859877.25	0.00178	0.0003605	1.14E-07	1.07E-08	6.49E-06	2.05E-09	1.93E-10
471863.09, 3859877.25	0.00184	0.0003727	1.18E-07	1.11E-08	6.71E-06	2.12E-09	2.00E-10
472363.09, 3859877.25	0.00187	0.0003788	1.20E-07	1.13E-08	6.82E-06	2.15E-09	2.03E-10
472863.09, 3859877.25	0.00199	0.0004031	1.27E-07	1.20E-08	7.26E-06	2.29E-09	2.16E-10
473363.09, 3859877.25	0.00209	0.0004233	1.34E-07	1.26E-08	7.62E-06	2.41E-09	2.27E-10
473863.09, 3859877.25	0.00213	0.0004314	1.36E-07	1.28E-08	7.77E-06	2.45E-09	2.31E-10
474363.09, 3859877.25	0.00177	0.0003585	1.13E-07	1.07E-08	6.45E-06	2.04E-09	1.92E-10
474863.09, 3859877.25	0.00154	0.0003119	9.85E-08	9.28E-09	5.62E-06	1.77E-09	1.67E-10
475363.09, 3859877.25	0.00131	0.0002653	8.37E-08	7.90E-09	4.78E-06	1.51E-09	1.42E-10
475863.09, 3859877.25	0.00117	0.000237	7.48E-08	7.05E-09	4.27E-06	1.35E-09	1.27E-10
476363.09, 3859877.25	0.00109	0.0002208	6.97E-08	6.57E-09	3.97E-06	1.25E-09	1.18E-10
476863.09, 3859877.25	0.00117	0.000237	7.48E-08	7.05E-09	4.27E-06	1.35E-09	1.27E-10
477363.09, 3859877.25	0.00123	0.0002491	7.86E-08	7.41E-09	4.49E-06	1.42E-09	1.33E-10
477863.09, 3859877.25	0.00144	0.0002917	9.21E-08	8.68E-09	5.25E-06	1.66E-09	1.56E-10
478363.09, 3859877.25	0.0017	0.0003443	1.09E-07	1.02E-08	6.20E-06	1.96E-09	1.84E-10
478863.09, 3859877.25	0.00205	0.0004152	1.31E-07	1.24E-08	7.48E-06	2.36E-09	2.22E-10
479363.09, 3859877.25	0.00257	0.0005206	1.64E-07	1.55E-08	9.37E-06	2.96E-09	2.79E-10

479863.09, 3859877.25	0.00315	0.000638	2.01E-07	1.90E-08	1.15E-05	3.63E-09	3.42E-10
480363.09, 3859877.25	0.00393	0.000796	2.51E-07	2.37E-08	1.43E-05	4.52E-09	4.26E-10
480863.09, 3859877.25	0.00439	0.0008892	2.81E-07	2.65E-08	1.60E-05	5.05E-09	4.76E-10
481363.09, 3859877.25	0.00474	0.0009601	3.03E-07	2.86E-08	1.73E-05	5.46E-09	5.14E-10
481863.09, 3859877.25	0.00486	0.0009844	3.11E-07	2.93E-08	1.77E-05	5.59E-09	5.27E-10
482363.09, 3859877.25	0.00507	0.0010269	3.24E-07	3.06E-08	1.85E-05	5.84E-09	5.50E-10
482863.09, 3859877.25	0.00533	0.0010796	3.41E-07	3.21E-08	1.94E-05	6.13E-09	5.78E-10
483363.09, 3859877.25	0.00581	0.0011768	3.71E-07	3.50E-08	2.12E-05	6.69E-09	6.30E-10
483863.09, 3859877.25	0.00885	0.0017926	5.66E-07	5.33E-08	3.23E-05	1.02E-08	9.60E-10
484363.09, 3859877.25	0.01041	0.0021086	6.66E-07	6.27E-08	3.80E-05	1.20E-08	1.13E-09
484863.09, 3859877.25	0.01161	0.0023516	7.42E-07	7.00E-08	4.23E-05	1.34E-08	1.26E-09
485363.09, 3859877.25	0.013	0.0026332	8.31E-07	7.84E-08	4.74E-05	1.50E-08	1.41E-09
485863.09, 3859877.25	0.0146	0.0029573	9.33E-07	8.80E-08	5.32E-05	1.68E-08	1.58E-09
486363.09, 3859877.25	0.01619	0.0032793	1.04E-06	9.76E-08	5.90E-05	1.86E-08	1.76E-09
486863.09, 3859877.25	0.01735	0.0035143	1.11E-06	1.05E-07	6.33E-05	2.00E-08	1.88E-09
487363.09, 3859877.25	0.01943	0.0039356	1.24E-06	1.17E-07	7.09E-05	2.24E-08	2.11E-09
487863.09, 3859877.25	0.01951	0.0039518	1.25E-06	1.18E-07	7.11E-05	2.25E-08	2.12E-09
488363.09, 3859877.25	0.02155	0.004365	1.38E-06	1.30E-07	7.86E-05	2.48E-08	2.34E-09
488863.09, 3859877.25	0.02159	0.0043731	1.38E-06	1.30E-07	7.87E-05	2.48E-08	2.34E-09
489363.09, 3859877.25	0.02133	0.0043205	1.36E-06	1.29E-07	7.78E-05	2.45E-08	2.31E-09
489863.09, 3859877.25	0.02395	0.0048512	1.53E-06	1.44E-07	8.73E-05	2.76E-08	2.60E-09
490363.09, 3859877.25	0.033	0.0066843	2.11E-06	1.99E-07	1.20E-04	3.80E-08	3.58E-09
490863.09, 3859877.25	0.02866	0.0058052	1.83E-06	1.73E-07	1.05E-04	3.30E-08	3.11E-09
491363.09, 3859877.25	0.02892	0.0058579	1.85E-06	1.74E-07	1.05E-04	3.33E-08	3.14E-09
491863.09, 3859877.25	0.03021	0.0061191	1.93E-06	1.82E-07	1.10E-04	3.48E-08	3.28E-09
492363.09, 3859877.25	0.03041	0.0061597	1.94E-06	1.83E-07	1.11E-04	3.50E-08	3.30E-09
492863.09, 3859877.25	0.02627	0.0053211	1.68E-06	1.58E-07	9.58E-05	3.02E-08	2.85E-09
493363.09, 3859877.25	0.02515	0.0050942	1.61E-06	1.52E-07	9.17E-05	2.89E-08	2.73E-09
493863.09, 3859877.25	0.0254	0.0051449	1.62E-06	1.53E-07	9.26E-05	2.92E-08	2.76E-09
494363.09, 3859877.25	0.02365	0.0047904	1.51E-06	1.43E-07	8.62E-05	2.72E-08	2.57E-09
494863.09, 3859877.25	0.02555	0.0051752	1.63E-06	1.54E-07	9.32E-05	2.94E-08	2.77E-09
495363.09, 3859877.25	0.02575	0.0052158	1.65E-06	1.55E-07	9.39E-05	2.96E-08	2.79E-09
495863.09, 3859877.25	0.02532	0.0051287	1.62E-06	1.53E-07	9.23E-05	2.91E-08	2.75E-09
496363.09, 3859877.25	0.02486	0.0050355	1.59E-06	1.50E-07	9.07E-05	2.86E-08	2.70E-09
496863.09, 3859877.25	0.02426	0.004914	1.55E-06	1.46E-07	8.85E-05	2.79E-08	2.63E-09
497363.09, 3859877.25	0.03163	0.0064068	2.02E-06	1.91E-07	1.15E-04	3.64E-08	3.43E-09
497863.09, 3859877.25	0.04489	0.0090926	2.87E-06	2.71E-07	1.64E-04	5.17E-08	4.87E-09
498363.09, 3859877.25	0.06132	0.0124206	3.92E-06	3.70E-07	2.24E-04	7.06E-08	6.65E-09
471363.09, 3860377.25	0.00188	0.0003808	1.20E-07	1.13E-08	6.86E-06	2.16E-09	2.04E-10
471863.09, 3860377.25	0.00194	0.000393	1.24E-07	1.17E-08	7.07E-06	2.23E-09	2.11E-10
472363.09, 3860377.25	0.00204	0.0004132	1.30E-07	1.23E-08	7.44E-06	2.35E-09	2.21E-10
472863.09, 3860377.25	0.00217	0.0004395	1.39E-07	1.31E-08	7.91E-06	2.50E-09	2.35E-10
473363.09, 3860377.25	0.00227	0.0004598	1.45E-07	1.37E-08	8.28E-06	2.61E-09	2.46E-10
473863.09, 3860377.25	0.00229	0.0004638	1.46E-07	1.38E-08	8.35E-06	2.64E-09	2.49E-10
474363.09, 3860377.25	0.00214	0.0004335	1.37E-07	1.29E-08	7.80E-06	2.46E-09	2.32E-10
474863.09, 3860377.25	0.00189	0.0003828	1.21E-07	1.14E-08	6.89E-06	2.18E-09	2.05E-10
475363.09, 3860377.25	0.00165	0.0003342	1.05E-07	9.95E-09	6.02E-06	1.90E-09	1.79E-10
475863.09, 3860377.25	0.00149	0.0003018	9.53E-08	8.98E-09	5.43E-06	1.71E-09	1.62E-10
476363.09, 3860377.25	0.00138	0.0002795	8.82E-08	8.32E-09	5.03E-06	1.59E-09	1.50E-10
476863.09, 3860377.25	0.00137	0.0002775	8.76E-08	8.26E-09	5.00E-06	1.58E-09	1.49E-10
477363.09, 3860377.25	0.00125	0.0002532	7.99E-08	7.53E-09	4.56E-06	1.44E-09	1.36E-10
477863.09, 3860377.25	0.00135	0.0002734	8.63E-08	8.14E-09	4.92E-06	1.55E-09	1.46E-10
478363.09, 3860377.25	0.00163	0.0003302	1.04E-07	9.83E-09	5.94E-06	1.88E-09	1.77E-10
478863.09, 3860377.25	0.002	0.0004051	1.28E-07	1.21E-08	7.29E-06	2.30E-09	2.17E-10
479363.09, 3860377.25	0.0025	0.0005064	1.60E-07	1.51E-08	9.12E-06	2.88E-09	2.71E-10
479863.09, 3860377.25	0.00317	0.0006421	2.03E-07	1.91E-08	1.16E-05	3.65E-09	3.44E-10
480363.09, 3860377.25	0.00389	0.0007879	2.49E-07	2.34E-08	1.42E-05	4.48E-09	4.22E-10
480863.09, 3860377.25	0.00449	0.0009095	2.87E-07	2.71E-08	1.64E-05	5.17E-09	4.87E-10
481363.09, 3860377.25	0.00484	0.0009804	3.09E-07	2.92E-08	1.76E-05	5.57E-09	5.25E-10
481863.09, 3860377.25	0.00533	0.0010796	3.41E-07	3.21E-08	1.94E-05	6.13E-09	5.78E-10

482363.09, 3860377.25	0.00571	0.0011566	3.65E-07	3.44E-08	2.08E-05	6.57E-09	6.20E-10
482863.09, 3860377.25	0.00606	0.0012275	3.87E-07	3.65E-08	2.21E-05	6.97E-09	6.58E-10
483363.09, 3860377.25	0.00714	0.0014462	4.56E-07	4.30E-08	2.60E-05	8.22E-09	7.75E-10
483863.09, 3860377.25	0.00778	0.0015759	4.97E-07	4.69E-08	2.84E-05	8.95E-09	8.44E-10
484363.09, 3860377.25	0.01063	0.0021531	6.80E-07	6.41E-08	3.88E-05	1.22E-08	1.15E-09
484863.09, 3860377.25	0.0114	0.0023091	7.29E-07	6.87E-08	4.16E-05	1.31E-08	1.24E-09
485363.09, 3860377.25	0.01227	0.0024853	7.84E-07	7.40E-08	4.47E-05	1.41E-08	1.33E-09
485863.09, 3860377.25	0.01306	0.0026453	8.35E-07	7.87E-08	4.76E-05	1.50E-08	1.42E-09
486363.09, 3860377.25	0.01446	0.0029289	9.24E-07	8.72E-08	5.27E-05	1.66E-08	1.57E-09
486863.09, 3860377.25	0.01621	0.0032834	1.04E-06	9.77E-08	5.91E-05	1.87E-08	1.76E-09
487363.09, 3860377.25	0.01847	0.0037412	1.18E-06	1.11E-07	6.74E-05	2.13E-08	2.00E-09
487863.09, 3860377.25	0.02009	0.0040693	1.28E-06	1.21E-07	7.33E-05	2.31E-08	2.18E-09
488363.09, 3860377.25	0.02269	0.0045959	1.45E-06	1.37E-07	8.27E-05	2.61E-08	2.46E-09
488863.09, 3860377.25	0.02517	0.0050983	1.61E-06	1.52E-07	9.18E-05	2.90E-08	2.73E-09
489363.09, 3860377.25	0.02821	0.005714	1.80E-06	1.70E-07	1.03E-04	3.25E-08	3.06E-09
489863.09, 3860377.25	0.03001	0.0060786	1.92E-06	1.81E-07	1.09E-04	3.45E-08	3.26E-09
490363.09, 3860377.25	0.03631	0.0073547	2.32E-06	2.19E-07	1.32E-04	4.18E-08	3.94E-09
490863.09, 3860377.25	0.04424	0.008961	2.83E-06	2.67E-07	1.61E-04	5.09E-08	4.80E-09
491363.09, 3860377.25	0.06244	0.0126474	3.99E-06	3.76E-07	2.28E-04	7.19E-08	6.78E-09
491863.09, 3860377.25	0.07962	0.0161273	5.09E-06	4.80E-07	2.90E-04	9.16E-08	8.64E-09
492363.09, 3860377.25	0.06791	0.0137554	4.34E-06	4.09E-07	2.48E-04	7.82E-08	7.37E-09
492863.09, 3860377.25	0.07309	0.0148046	4.67E-06	4.41E-07	2.67E-04	8.41E-08	7.93E-09
493363.09, 3860377.25	0.06745	0.0136622	4.31E-06	4.07E-07	2.46E-04	7.76E-08	7.32E-09
493863.09, 3860377.25	0.08923	0.0180739	5.70E-06	5.38E-07	3.25E-04	1.03E-07	9.68E-09
494363.09, 3860377.25	0.0794	0.0160828	5.08E-06	4.79E-07	2.90E-04	9.14E-08	8.62E-09
494863.09, 3860377.25	0.08029	0.016263	5.13E-06	4.84E-07	2.93E-04	9.24E-08	8.71E-09
495363.09, 3860377.25	0.07238	0.0146608	4.63E-06	4.36E-07	2.64E-04	8.33E-08	7.85E-09
495863.09, 3860377.25	0.05735	0.0116164	3.67E-06	3.46E-07	2.09E-04	6.60E-08	6.22E-09
496363.09, 3860377.25	0.05298	0.0107313	3.39E-06	3.19E-07	1.93E-04	6.10E-08	5.75E-09
496863.09, 3860377.25	0.0563	0.0114038	3.60E-06	3.39E-07	2.05E-04	6.48E-08	6.11E-09
497363.09, 3860377.25	0.05652	0.0114483	3.61E-06	3.41E-07	2.06E-04	6.51E-08	6.13E-09
497863.09, 3860377.25	0.07326	0.0148391	4.68E-06	4.42E-07	2.67E-04	8.43E-08	7.95E-09
498363.09, 3860377.25	0.09653	0.0195525	6.17E-06	5.82E-07	3.52E-04	1.11E-07	1.05E-08
471363.09, 3860877.25	0.00217	0.0004395	1.39E-07	1.31E-08	7.91E-06	2.50E-09	2.35E-10
471863.09, 3860877.25	0.00225	0.0004557	1.44E-07	1.36E-08	8.20E-06	2.59E-09	2.44E-10
472363.09, 3860877.25	0.00231	0.0004679	1.48E-07	1.39E-08	8.42E-06	2.66E-09	2.51E-10
472863.09, 3860877.25	0.00245	0.0004963	1.57E-07	1.48E-08	8.93E-06	2.82E-09	2.66E-10
473363.09, 3860877.25	0.00249	0.0005044	1.59E-07	1.50E-08	9.08E-06	2.87E-09	2.70E-10
473863.09, 3860877.25	0.0025	0.0005064	1.60E-07	1.51E-08	9.12E-06	2.88E-09	2.71E-10
474363.09, 3860877.25	0.00244	0.0004942	1.56E-07	1.47E-08	8.90E-06	2.81E-09	2.65E-10
474863.09, 3860877.25	0.00237	0.0004801	1.52E-07	1.43E-08	8.64E-06	2.73E-09	2.57E-10
475363.09, 3860877.25	0.00214	0.0004335	1.37E-07	1.29E-08	7.80E-06	2.46E-09	2.32E-10
475863.09, 3860877.25	0.0019	0.0003849	1.21E-07	1.15E-08	6.93E-06	2.19E-09	2.06E-10
476363.09, 3860877.25	0.00169	0.0003423	1.08E-07	1.02E-08	6.16E-06	1.95E-09	1.83E-10
476863.09, 3860877.25	0.00165	0.0003342	1.05E-07	9.95E-09	6.02E-06	1.90E-09	1.79E-10
477363.09, 3860877.25	0.00169	0.0003423	1.08E-07	1.02E-08	6.16E-06	1.95E-09	1.83E-10
477863.09, 3860877.25	0.00159	0.0003221	1.02E-07	9.58E-09	5.80E-06	1.83E-09	1.73E-10
478363.09, 3860877.25	0.0014	0.0002836	8.95E-08	8.44E-09	5.11E-06	1.61E-09	1.52E-10
478863.09, 3860877.25	0.00186	0.0003767	1.19E-07	1.12E-08	6.78E-06	2.14E-09	2.02E-10
479363.09, 3860877.25	0.00245	0.0004963	1.57E-07	1.48E-08	8.93E-06	2.82E-09	2.66E-10
479863.09, 3860877.25	0.0033	0.0006684	2.11E-07	1.99E-08	1.20E-05	3.80E-09	3.58E-10
480363.09, 3860877.25	0.00412	0.0008345	2.63E-07	2.48E-08	1.50E-05	4.74E-09	4.47E-10
480863.09, 3860877.25	0.00466	0.0009439	2.98E-07	2.81E-08	1.70E-05	5.36E-09	5.06E-10
481363.09, 3860877.25	0.00516	0.0010452	3.30E-07	3.11E-08	1.88E-05	5.94E-09	5.60E-10
481863.09, 3860877.25	0.00539	0.0010918	3.45E-07	3.25E-08	1.97E-05	6.20E-09	5.85E-10
482363.09, 3860877.25	0.00595	0.0012052	3.80E-07	3.59E-08	2.17E-05	6.85E-09	6.46E-10
482863.09, 3860877.25	0.00632	0.0012801	4.04E-07	3.81E-08	2.30E-05	7.27E-09	6.86E-10
483363.09, 3860877.25	0.00682	0.0013814	4.36E-07	4.11E-08	2.49E-05	7.85E-09	7.40E-10
483863.09, 3860877.25	0.00758	0.0015354	4.85E-07	4.57E-08	2.76E-05	8.72E-09	8.23E-10
484363.09, 3860877.25	0.00948	0.0019202	6.06E-07	5.71E-08	3.46E-05	1.09E-08	1.03E-09

484863.09, 3860877.25	0.01174	0.002378	7.51E-07	7.08E-08	4.28E-05	1.35E-08	1.27E-09
485363.09, 3860877.25	0.01264	0.0025603	8.08E-07	7.62E-08	4.61E-05	1.45E-08	1.37E-09
485863.09, 3860877.25	0.01317	0.0026676	8.42E-07	7.94E-08	4.80E-05	1.52E-08	1.43E-09
486363.09, 3860877.25	0.01528	0.003095	9.77E-07	9.21E-08	5.57E-05	1.76E-08	1.66E-09
486863.09, 3860877.25	0.01703	0.0034495	1.09E-06	1.03E-07	6.21E-05	1.96E-08	1.85E-09
487363.09, 3860877.25	0.01888	0.0038242	1.21E-06	1.14E-07	6.88E-05	2.17E-08	2.05E-09
487863.09, 3860877.25	0.0211	0.0042739	1.35E-06	1.27E-07	7.69E-05	2.43E-08	2.29E-09
488363.09, 3860877.25	0.02054	0.0041605	1.31E-06	1.24E-07	7.49E-05	2.36E-08	2.23E-09
488863.09, 3860877.25	0.02491	0.0050456	1.59E-06	1.50E-07	9.08E-05	2.87E-08	2.70E-09
489363.09, 3860877.25	0.02501	0.0050659	1.60E-06	1.51E-07	9.12E-05	2.88E-08	2.71E-09
489863.09, 3860877.25	0.03483	0.0070549	2.23E-06	2.10E-07	1.27E-04	4.01E-08	3.78E-09
490363.09, 3860877.25	0.04141	0.0083877	2.65E-06	2.50E-07	1.51E-04	4.77E-08	4.49E-09
490863.09, 3860877.25	0.05244	0.0106219	3.35E-06	3.16E-07	1.91E-04	6.04E-08	5.69E-09
491363.09, 3860877.25	0.07008	0.014195	4.48E-06	4.22E-07	2.56E-04	8.07E-08	7.60E-09
491863.09, 3860877.25	0.09838	0.0199272	6.29E-06	5.93E-07	3.59E-04	1.13E-07	1.07E-08
492363.09, 3860877.25	0.33365	0.067582	2.13E-05	2.01E-06	1.22E-03	3.84E-07	3.62E-08
492863.09, 3860877.25	1.47674	0.299119	9.44E-05	8.90E-06	5.39E-03	1.70E-06	1.60E-07
493363.09, 3860877.25	0.5713	0.1157189	3.65E-05	3.44E-06	2.08E-03	6.58E-07	6.20E-08
493863.09, 3860877.25	0.48308	0.0978496	3.09E-05	2.91E-06	1.76E-03	5.56E-07	5.24E-08
494363.09, 3860877.25	0.41128	0.0833062	2.63E-05	2.48E-06	1.50E-03	4.73E-07	4.46E-08
494863.09, 3860877.25	0.31828	0.0644688	2.03E-05	1.92E-06	1.16E-03	3.66E-07	3.45E-08
495363.09, 3860877.25	0.2569	0.052036	1.64E-05	1.55E-06	9.37E-04	2.96E-07	2.79E-08
495863.09, 3860877.25	0.24259	0.0491375	1.55E-05	1.46E-06	8.85E-04	2.79E-07	2.63E-08
496363.09, 3860877.25	0.19747	0.0399983	1.26E-05	1.19E-06	7.20E-04	2.27E-07	2.14E-08
496863.09, 3860877.25	0.14894	0.0301683	9.52E-06	8.98E-07	5.43E-04	1.71E-07	1.62E-08
497363.09, 3860877.25	0.15548	0.031493	9.94E-06	9.37E-07	5.67E-04	1.79E-07	1.69E-08
497863.09, 3860877.25	0.14627	0.0296275	9.35E-06	8.82E-07	5.33E-04	1.68E-07	1.59E-08
498363.09, 3860877.25	0.16946	0.0343247	1.08E-05	1.02E-06	6.18E-04	1.95E-07	1.84E-08
471363.09, 3861377.25	0.00219	0.0004436	1.40E-07	1.32E-08	7.99E-06	2.52E-09	2.38E-10
471863.09, 3861377.25	0.00227	0.0004598	1.45E-07	1.37E-08	8.28E-06	2.61E-09	2.46E-10
472363.09, 3861377.25	0.00236	0.000478	1.51E-07	1.42E-08	8.61E-06	2.72E-09	2.56E-10
472863.09, 3861377.25	0.00251	0.0005084	1.60E-07	1.51E-08	9.15E-06	2.89E-09	2.72E-10
473363.09, 3861377.25	0.00258	0.0005226	1.65E-07	1.56E-08	9.41E-06	2.97E-09	2.80E-10
473863.09, 3861377.25	0.00254	0.0005145	1.62E-07	1.53E-08	9.26E-06	2.92E-09	2.76E-10
474363.09, 3861377.25	0.00269	0.0005449	1.72E-07	1.62E-08	9.81E-06	3.10E-09	2.92E-10
474863.09, 3861377.25	0.00259	0.0005246	1.66E-07	1.56E-08	9.44E-06	2.98E-09	2.81E-10
475363.09, 3861377.25	0.00274	0.000555	1.75E-07	1.65E-08	9.99E-06	3.15E-09	2.97E-10
475863.09, 3861377.25	0.00249	0.0005044	1.59E-07	1.50E-08	9.08E-06	2.87E-09	2.70E-10
476363.09, 3861377.25	0.00226	0.0004578	1.44E-07	1.36E-08	8.24E-06	2.60E-09	2.45E-10
476863.09, 3861377.25	0.00214	0.0004335	1.37E-07	1.29E-08	7.80E-06	2.46E-09	2.32E-10
477363.09, 3861377.25	0.00209	0.0004233	1.34E-07	1.26E-08	7.62E-06	2.41E-09	2.27E-10
477863.09, 3861377.25	0.00177	0.0003585	1.13E-07	1.07E-08	6.45E-06	2.04E-09	1.92E-10
478363.09, 3861377.25	0.00146	0.0002957	9.33E-08	8.80E-09	5.32E-06	1.68E-09	1.58E-10
478863.09, 3861377.25	0.0016	0.0003241	1.02E-07	9.64E-09	5.83E-06	1.84E-09	1.74E-10
479363.09, 3861377.25	0.00233	0.0004719	1.49E-07	1.40E-08	8.50E-06	2.68E-09	2.53E-10
479863.09, 3861377.25	0.00333	0.0006745	2.13E-07	2.01E-08	1.21E-05	3.83E-09	3.61E-10
480363.09, 3861377.25	0.00453	0.0009176	2.90E-07	2.73E-08	1.65E-05	5.21E-09	4.92E-10
480863.09, 3861377.25	0.00532	0.0010776	3.40E-07	3.21E-08	1.94E-05	6.12E-09	5.77E-10
481363.09, 3861377.25	0.00588	0.001191	3.76E-07	3.54E-08	2.14E-05	6.77E-09	6.38E-10
481863.09, 3861377.25	0.00618	0.0012518	3.95E-07	3.73E-08	2.25E-05	7.11E-09	6.71E-10
482363.09, 3861377.25	0.00671	0.0013591	4.29E-07	4.04E-08	2.45E-05	7.72E-09	7.28E-10
482863.09, 3861377.25	0.00727	0.0014726	4.65E-07	4.38E-08	2.65E-05	8.37E-09	7.89E-10
483363.09, 3861377.25	0.00785	0.00159	5.02E-07	4.73E-08	2.86E-05	9.03E-09	8.52E-10
483863.09, 3861377.25	0.00881	0.0017845	5.63E-07	5.31E-08	3.21E-05	1.01E-08	9.56E-10
484363.09, 3861377.25	0.00915	0.0018534	5.85E-07	5.52E-08	3.34E-05	1.05E-08	9.93E-10
484863.09, 3861377.25	0.01185	0.0024003	7.58E-07	7.14E-08	4.32E-05	1.36E-08	1.29E-09
485363.09, 3861377.25	0.01398	0.0028317	8.94E-07	8.43E-08	5.10E-05	1.61E-08	1.52E-09
485863.09, 3861377.25	0.01498	0.0030343	9.58E-07	9.03E-08	5.46E-05	1.72E-08	1.63E-09
486363.09, 3861377.25	0.01652	0.0033462	1.06E-06	9.96E-08	6.02E-05	1.90E-08	1.79E-09
486863.09, 3861377.25	0.01821	0.0036885	1.16E-06	1.10E-07	6.64E-05	2.10E-08	1.98E-09

487363.09, 3861377.25	0.02036	0.004124	1.30E-06	1.23E-07	7.42E-05	2.34E-08	2.21E-09
487863.09, 3861377.25	0.02273	0.004604	1.45E-06	1.37E-07	8.29E-05	2.62E-08	2.47E-09
488363.09, 3861377.25	0.02619	0.0053049	1.67E-06	1.58E-07	9.55E-05	3.01E-08	2.84E-09
488863.09, 3861377.25	0.029	0.0058741	1.85E-06	1.75E-07	1.06E-04	3.34E-08	3.15E-09
489363.09, 3861377.25	0.03408	0.006903	2.18E-06	2.05E-07	1.24E-04	3.92E-08	3.70E-09
489863.09, 3861377.25	0.03954	0.008009	2.53E-06	2.38E-07	1.44E-04	4.55E-08	4.29E-09
490363.09, 3861377.25	0.04863	0.0098502	3.11E-06	2.93E-07	1.77E-04	5.60E-08	5.28E-09
490863.09, 3861377.25	0.06059	0.0122727	3.87E-06	3.65E-07	2.21E-04	6.97E-08	6.58E-09
491363.09, 3861377.25	0.07896	0.0159936	5.05E-06	4.76E-07	2.88E-04	9.09E-08	8.57E-09
491863.09, 3861377.25	0.10923	0.0221249	6.98E-06	6.58E-07	3.98E-04	1.26E-07	1.19E-08
492363.09, 3861377.25	0.18497	0.0374663	1.18E-05	1.11E-06	6.75E-04	2.13E-07	2.01E-08
492863.09, 3861377.25	0.30768	0.0623217	1.97E-05	1.85E-06	1.12E-03	3.54E-07	3.34E-08
493363.09, 3861377.25	0.5424	0.1098651	3.47E-05	3.27E-06	1.98E-03	6.24E-07	5.89E-08
493863.09, 3861377.25	1.10513	0.2238481	7.07E-05	6.66E-06	4.03E-03	1.27E-06	1.20E-07
494363.09, 3861377.25	4.19193	0.8490905	2.68E-04	2.53E-05	1.53E-02	4.82E-06	4.55E-07
494863.09, 3861377.25	2.18158	0.4418869	1.39E-04	1.31E-05	7.96E-03	2.51E-06	2.37E-07
495363.09, 3861377.25	1.72418	0.3492389	1.10E-04	1.04E-05	6.29E-03	1.98E-06	1.87E-07
495863.09, 3861377.25	1.75944	0.3563809	1.12E-04	1.06E-05	6.42E-03	2.03E-06	1.91E-07
496363.09, 3861377.25	1.34722	0.2728843	8.61E-05	8.12E-06	4.91E-03	1.55E-06	1.46E-07
496863.09, 3861377.25	0.70641	0.1430859	4.52E-05	4.26E-06	2.58E-03	8.13E-07	7.67E-08
497363.09, 3861377.25	0.58674	0.1188463	3.75E-05	3.54E-06	2.14E-03	6.75E-07	6.37E-08
497863.09, 3861377.25	0.4547	0.0921011	2.91E-05	2.74E-06	1.66E-03	5.23E-07	4.93E-08
498363.09, 3861377.25	0.37619	0.0761986	2.40E-05	2.27E-06	1.37E-03	4.33E-07	4.08E-08
471363.09, 3861877.25	0.00201	0.0004071	1.28E-07	1.21E-08	7.33E-06	2.31E-09	2.18E-10
471863.09, 3861877.25	0.00208	0.0004213	1.33E-07	1.25E-08	7.59E-06	2.39E-09	2.26E-10
472363.09, 3861877.25	0.00216	0.0004375	1.38E-07	1.30E-08	7.88E-06	2.49E-09	2.34E-10
472863.09, 3861877.25	0.00227	0.0004598	1.45E-07	1.37E-08	8.28E-06	2.61E-09	2.46E-10
473363.09, 3861877.25	0.00236	0.000478	1.51E-07	1.42E-08	8.61E-06	2.72E-09	2.56E-10
473863.09, 3861877.25	0.00237	0.0004801	1.52E-07	1.43E-08	8.64E-06	2.73E-09	2.57E-10
474363.09, 3861877.25	0.00246	0.0004983	1.57E-07	1.48E-08	8.97E-06	2.83E-09	2.67E-10
474863.09, 3861877.25	0.00249	0.0005044	1.59E-07	1.50E-08	9.08E-06	2.87E-09	2.70E-10
475363.09, 3861877.25	0.00258	0.0005226	1.65E-07	1.56E-08	9.41E-06	2.97E-09	2.80E-10
475863.09, 3861877.25	0.00274	0.000555	1.75E-07	1.65E-08	9.99E-06	3.15E-09	2.97E-10
476363.09, 3861877.25	0.00271	0.0005489	1.73E-07	1.63E-08	9.88E-06	3.12E-09	2.94E-10
476863.09, 3861877.25	0.00248	0.0005023	1.59E-07	1.49E-08	9.04E-06	2.85E-09	2.69E-10
477363.09, 3861877.25	0.00227	0.0004598	1.45E-07	1.37E-08	8.28E-06	2.61E-09	2.46E-10
477863.09, 3861877.25	0.00165	0.0003342	1.05E-07	9.95E-09	6.02E-06	1.90E-09	1.79E-10
478363.09, 3861877.25	0.0013	0.0002633	8.31E-08	7.84E-09	4.74E-06	1.50E-09	1.41E-10
478863.09, 3861877.25	0.00159	0.0003221	1.02E-07	9.58E-09	5.80E-06	1.83E-09	1.73E-10
479363.09, 3861877.25	0.00154	0.0003119	9.85E-08	9.28E-09	5.62E-06	1.77E-09	1.67E-10
479863.09, 3861877.25	0.00284	0.0005753	1.82E-07	1.71E-08	1.04E-05	3.27E-09	3.08E-10
480363.09, 3861877.25	0.00446	0.0009034	2.85E-07	2.69E-08	1.63E-05	5.13E-09	4.84E-10
480863.09, 3861877.25	0.00521	0.0010553	3.33E-07	3.14E-08	1.90E-05	6.00E-09	5.65E-10
481363.09, 3861877.25	0.00582	0.0011789	3.72E-07	3.51E-08	2.12E-05	6.70E-09	6.32E-10
481863.09, 3861877.25	0.00625	0.001266	4.00E-07	3.77E-08	2.28E-05	7.19E-09	6.78E-10
482363.09, 3861877.25	0.00676	0.0013693	4.32E-07	4.07E-08	2.47E-05	7.78E-09	7.34E-10
482863.09, 3861877.25	0.00712	0.0014422	4.55E-07	4.29E-08	2.60E-05	8.19E-09	7.73E-10
483363.09, 3861877.25	0.00784	0.001588	5.01E-07	4.73E-08	2.86E-05	9.02E-09	8.51E-10
483863.09, 3861877.25	0.00871	0.0017642	5.57E-07	5.25E-08	3.18E-05	1.00E-08	9.45E-10
484363.09, 3861877.25	0.01024	0.0020741	6.55E-07	6.17E-08	3.73E-05	1.18E-08	1.11E-09
484863.09, 3861877.25	0.01093	0.0022139	6.99E-07	6.59E-08	3.99E-05	1.26E-08	1.19E-09
485363.09, 3861877.25	0.0132	0.0026737	8.44E-07	7.96E-08	4.81E-05	1.52E-08	1.43E-09
485863.09, 3861877.25	0.01568	0.003176	1.00E-06	9.45E-08	5.72E-05	1.80E-08	1.70E-09
486363.09, 3861877.25	0.01722	0.003488	1.10E-06	1.04E-07	6.28E-05	1.98E-08	1.87E-09
486863.09, 3861877.25	0.01909	0.0038667	1.22E-06	1.15E-07	6.96E-05	2.20E-08	2.07E-09
487363.09, 3861877.25	0.02131	0.0043164	1.36E-06	1.28E-07	7.77E-05	2.45E-08	2.31E-09
487863.09, 3861877.25	0.02431	0.0049241	1.55E-06	1.47E-07	8.87E-05	2.80E-08	2.64E-09
488363.09, 3861877.25	0.02802	0.0056756	1.79E-06	1.69E-07	1.02E-04	3.22E-08	3.04E-09
488863.09, 3861877.25	0.03204	0.0064898	2.05E-06	1.93E-07	1.17E-04	3.69E-08	3.48E-09
489363.09, 3861877.25	0.03786	0.0076687	2.42E-06	2.28E-07	1.38E-04	4.36E-08	4.11E-09

489863.09, 3861877.25	0.04428	0.0089691	2.83E-06	2.67E-07	1.61E-04	5.10E-08	4.81E-09
490363.09, 3861877.25	0.05593	0.0113288	3.58E-06	3.37E-07	2.04E-04	6.44E-08	6.07E-09
490863.09, 3861877.25	0.0675	0.0136724	4.32E-06	4.07E-07	2.46E-04	7.77E-08	7.32E-09
491363.09, 3861877.25	0.08354	0.0169213	5.34E-06	5.04E-07	3.05E-04	9.62E-08	9.07E-09
491863.09, 3861877.25	0.10958	0.0221958	7.01E-06	6.61E-07	4.00E-04	1.26E-07	1.19E-08
492363.09, 3861877.25	0.1523	0.0308489	9.74E-06	9.18E-07	5.55E-04	1.75E-07	1.65E-08
492863.09, 3861877.25	0.20811	0.0421534	1.33E-05	1.25E-06	7.59E-04	2.40E-07	2.26E-08
493363.09, 3861877.25	0.28812	0.0583597	1.84E-05	1.74E-06	1.05E-03	3.32E-07	3.13E-08
493863.09, 3861877.25	0.42486	0.0860569	2.72E-05	2.56E-06	1.55E-03	4.89E-07	4.61E-08
494363.09, 3861877.25	0.76464	0.1548806	4.89E-05	4.61E-06	2.79E-03	8.80E-07	8.30E-08
494863.09, 3861877.25	1.76754	0.3580216	1.13E-04	1.07E-05	6.45E-03	2.03E-06	1.92E-07
495363.09, 3861877.25	6.42675	1.3017613	4.11E-04	3.87E-05	2.34E-02	7.40E-06	6.97E-07
495863.09, 3861877.25	9.53674	1.931701	6.10E-04	5.75E-05	3.48E-02	1.10E-05	1.03E-06
496363.09, 3861877.25	5.6593	1.1463116	3.62E-04	3.41E-05	2.06E-02	6.51E-06	6.14E-07
496863.09, 3861877.25	1.24007	0.2511806	7.93E-05	7.47E-06	4.52E-03	1.43E-06	1.35E-07
497363.09, 3861877.25	1.71288	0.34695	1.10E-04	1.03E-05	6.25E-03	1.97E-06	1.86E-07
497863.09, 3861877.25	1.42348	0.288331	9.10E-05	8.58E-06	5.19E-03	1.64E-06	1.54E-07
498363.09, 3861877.25	1.14476	0.2318753	7.32E-05	6.90E-06	4.17E-03	1.32E-06	1.24E-07
471363.09, 3862377.25	0.0023	0.0004659	1.47E-07	1.39E-08	8.39E-06	2.65E-09	2.50E-10
471863.09, 3862377.25	0.00236	0.000478	1.51E-07	1.42E-08	8.61E-06	2.72E-09	2.56E-10
472363.09, 3862377.25	0.00251	0.0005084	1.60E-07	1.51E-08	9.15E-06	2.89E-09	2.72E-10
472863.09, 3862377.25	0.00262	0.0005307	1.67E-07	1.58E-08	9.55E-06	3.02E-09	2.84E-10
473363.09, 3862377.25	0.00272	0.0005509	1.74E-07	1.64E-08	9.92E-06	3.13E-09	2.95E-10
473863.09, 3862377.25	0.00283	0.0005732	1.81E-07	1.71E-08	1.03E-05	3.26E-09	3.07E-10
474363.09, 3862377.25	0.00286	0.0005793	1.83E-07	1.72E-08	1.04E-05	3.29E-09	3.10E-10
474863.09, 3862377.25	0.00278	0.0005631	1.78E-07	1.68E-08	1.01E-05	3.20E-09	3.02E-10
475363.09, 3862377.25	0.00307	0.0006218	1.96E-07	1.85E-08	1.12E-05	3.53E-09	3.33E-10
475863.09, 3862377.25	0.00329	0.0006664	2.10E-07	1.98E-08	1.20E-05	3.79E-09	3.57E-10
476363.09, 3862377.25	0.00332	0.0006725	2.12E-07	2.00E-08	1.21E-05	3.82E-09	3.60E-10
476863.09, 3862377.25	0.00321	0.0006502	2.05E-07	1.93E-08	1.17E-05	3.69E-09	3.48E-10
477363.09, 3862377.25	0.00286	0.0005793	1.83E-07	1.72E-08	1.04E-05	3.29E-09	3.10E-10
477863.09, 3862377.25	0.00196	0.000397	1.25E-07	1.18E-08	7.15E-06	2.26E-09	2.13E-10
478363.09, 3862377.25	0.00165	0.0003342	1.05E-07	9.95E-09	6.02E-06	1.90E-09	1.79E-10
478863.09, 3862377.25	0.00179	0.0003626	1.14E-07	1.08E-08	6.53E-06	2.06E-09	1.94E-10
479363.09, 3862377.25	0.00201	0.0004071	1.28E-07	1.21E-08	7.33E-06	2.31E-09	2.18E-10
479863.09, 3862377.25	0.00349	0.0007069	2.23E-07	2.10E-08	1.27E-05	4.02E-09	3.79E-10
480363.09, 3862377.25	0.00519	0.0010513	3.32E-07	3.13E-08	1.89E-05	5.97E-09	5.63E-10
480863.09, 3862377.25	0.00604	0.0012234	3.86E-07	3.64E-08	2.20E-05	6.95E-09	6.55E-10
481363.09, 3862377.25	0.00653	0.0013227	4.17E-07	3.94E-08	2.38E-05	7.52E-09	7.09E-10
481863.09, 3862377.25	0.00723	0.0014645	4.62E-07	4.36E-08	2.64E-05	8.32E-09	7.85E-10
482363.09, 3862377.25	0.00773	0.0015657	4.94E-07	4.66E-08	2.82E-05	8.90E-09	8.39E-10
482863.09, 3862377.25	0.00821	0.001663	5.25E-07	4.95E-08	2.99E-05	9.45E-09	8.91E-10
483363.09, 3862377.25	0.00874	0.0017703	5.59E-07	5.27E-08	3.19E-05	1.01E-08	9.48E-10
483863.09, 3862377.25	0.01053	0.0021329	6.73E-07	6.35E-08	3.84E-05	1.21E-08	1.14E-09
484363.09, 3862377.25	0.01104	0.0022362	7.06E-07	6.65E-08	4.03E-05	1.27E-08	1.20E-09
484863.09, 3862377.25	0.01361	0.0027568	8.70E-07	8.20E-08	4.96E-05	1.57E-08	1.48E-09
485363.09, 3862377.25	0.01607	0.003255	1.03E-06	9.69E-08	5.86E-05	1.85E-08	1.74E-09
485863.09, 3862377.25	0.01778	0.0036014	1.14E-06	1.07E-07	6.48E-05	2.05E-08	1.93E-09
486363.09, 3862377.25	0.02019	0.0040896	1.29E-06	1.22E-07	7.36E-05	2.32E-08	2.19E-09
486863.09, 3862377.25	0.02241	0.0045392	1.43E-06	1.35E-07	8.17E-05	2.58E-08	2.43E-09
487363.09, 3862377.25	0.0249	0.0050436	1.59E-06	1.50E-07	9.08E-05	2.87E-08	2.70E-09
487863.09, 3862377.25	0.02792	0.0056553	1.78E-06	1.68E-07	1.02E-04	3.21E-08	3.03E-09
488363.09, 3862377.25	0.03185	0.0064513	2.04E-06	1.92E-07	1.16E-04	3.67E-08	3.46E-09
488863.09, 3862377.25	0.03598	0.0072879	2.30E-06	2.17E-07	1.31E-04	4.14E-08	3.90E-09
489363.09, 3862377.25	0.04128	0.0083614	2.64E-06	2.49E-07	1.51E-04	4.75E-08	4.48E-09
489863.09, 3862377.25	0.04789	0.0097003	3.06E-06	2.89E-07	1.75E-04	5.51E-08	5.20E-09
490363.09, 3862377.25	0.05575	0.0112924	3.56E-06	3.36E-07	2.03E-04	6.42E-08	6.05E-09
490863.09, 3862377.25	0.06761	0.0136946	4.32E-06	4.08E-07	2.47E-04	7.78E-08	7.34E-09
491363.09, 3862377.25	0.08358	0.0169294	5.34E-06	5.04E-07	3.05E-04	9.62E-08	9.07E-09
491863.09, 3862377.25	0.10808	0.021892	6.91E-06	6.51E-07	3.94E-04	1.24E-07	1.17E-08

492363.09, 3862377.25	0.13699	0.0277478	8.76E-06	8.26E-07	5.00E-04	1.58E-07	1.49E-08
492863.09, 3862377.25	0.1728	0.0350013	1.10E-05	1.04E-06	6.30E-04	1.99E-07	1.88E-08
493363.09, 3862377.25	0.22069	0.0447016	1.41E-05	1.33E-06	8.05E-04	2.54E-07	2.39E-08
493863.09, 3862377.25	0.293	0.0593482	1.87E-05	1.77E-06	1.07E-03	3.37E-07	3.18E-08
494363.09, 3862377.25	0.39918	0.0808553	2.55E-05	2.41E-06	1.46E-03	4.59E-07	4.33E-08
494863.09, 3862377.25	0.56482	0.1144063	3.61E-05	3.40E-06	2.06E-03	6.50E-07	6.13E-08
495363.09, 3862377.25	0.76095	0.1541332	4.86E-05	4.59E-06	2.77E-03	8.76E-07	8.26E-08
495863.09, 3862377.25	1.06687	0.2160984	6.82E-05	6.43E-06	3.89E-03	1.23E-06	1.16E-07
496363.09, 3862377.25	1.54361	0.3126638	9.87E-05	9.30E-06	5.63E-03	1.78E-06	1.68E-07
496863.09, 3862377.25	2.3874	0.4835765	1.53E-04	1.44E-05	8.71E-03	2.75E-06	2.59E-07
497363.09, 3862377.25	3.49681	0.7082914	2.24E-04	2.11E-05	1.28E-02	4.02E-06	3.79E-07
497863.09, 3862377.25	3.47624	0.7041249	2.22E-04	2.10E-05	1.27E-02	4.00E-06	3.77E-07
498363.09, 3862377.25	2.50652	0.5077046	1.60E-04	1.51E-05	9.14E-03	2.88E-06	2.72E-07
471363.09, 3862877.25	0.00272	0.0005509	1.74E-07	1.64E-08	9.92E-06	3.13E-09	2.95E-10
471863.09, 3862877.25	0.00283	0.0005732	1.81E-07	1.71E-08	1.03E-05	3.26E-09	3.07E-10
472363.09, 3862877.25	0.00298	0.0006036	1.91E-07	1.80E-08	1.09E-05	3.43E-09	3.23E-10
472863.09, 3862877.25	0.00307	0.0006218	1.96E-07	1.85E-08	1.12E-05	3.53E-09	3.33E-10
473363.09, 3862877.25	0.00322	0.0006522	2.06E-07	1.94E-08	1.17E-05	3.71E-09	3.49E-10
473863.09, 3862877.25	0.00335	0.0006786	2.14E-07	2.02E-08	1.22E-05	3.86E-09	3.64E-10
474363.09, 3862877.25	0.00338	0.0006846	2.16E-07	2.04E-08	1.23E-05	3.89E-09	3.67E-10
474863.09, 3862877.25	0.00345	0.0006988	2.21E-07	2.08E-08	1.26E-05	3.97E-09	3.74E-10
475363.09, 3862877.25	0.00375	0.0007596	2.40E-07	2.26E-08	1.37E-05	4.32E-09	4.07E-10
475863.09, 3862877.25	0.00394	0.0007981	2.52E-07	2.37E-08	1.44E-05	4.53E-09	4.28E-10
476363.09, 3862877.25	0.00402	0.0008143	2.57E-07	2.42E-08	1.47E-05	4.63E-09	4.36E-10
476863.09, 3862877.25	0.0039	0.00079	2.49E-07	2.35E-08	1.42E-05	4.49E-09	4.23E-10
477363.09, 3862877.25	0.00372	0.0007535	2.38E-07	2.24E-08	1.36E-05	4.28E-09	4.04E-10
477863.09, 3862877.25	0.00297	0.0006016	1.90E-07	1.79E-08	1.08E-05	3.42E-09	3.22E-10
478363.09, 3862877.25	0.00222	0.0004497	1.42E-07	1.34E-08	8.10E-06	2.56E-09	2.41E-10
478863.09, 3862877.25	0.00223	0.0004517	1.43E-07	1.34E-08	8.13E-06	2.57E-09	2.42E-10
479363.09, 3862877.25	0.00251	0.0005084	1.60E-07	1.51E-08	9.15E-06	2.89E-09	2.72E-10
479863.09, 3862877.25	0.00542	0.0010978	3.46E-07	3.27E-08	1.98E-05	6.24E-09	5.88E-10
480363.09, 3862877.25	0.0071	0.0014381	4.54E-07	4.28E-08	2.59E-05	8.17E-09	7.70E-10
480863.09, 3862877.25	0.0077	0.0015597	4.92E-07	4.64E-08	2.81E-05	8.86E-09	8.36E-10
481363.09, 3862877.25	0.00889	0.0018007	5.68E-07	5.36E-08	3.24E-05	1.02E-08	9.65E-10
481863.09, 3862877.25	0.00818	0.0016569	5.23E-07	4.93E-08	2.98E-05	9.41E-09	8.88E-10
482363.09, 3862877.25	0.01037	0.0021005	6.63E-07	6.25E-08	3.78E-05	1.19E-08	1.13E-09
482863.09, 3862877.25	0.01075	0.0021775	6.87E-07	6.48E-08	3.92E-05	1.24E-08	1.17E-09
483363.09, 3862877.25	0.0115	0.0023294	7.35E-07	6.93E-08	4.19E-05	1.32E-08	1.25E-09
483863.09, 3862877.25	0.01276	0.0025846	8.16E-07	7.69E-08	4.65E-05	1.47E-08	1.38E-09
484363.09, 3862877.25	0.01359	0.0027527	8.69E-07	8.19E-08	4.96E-05	1.56E-08	1.47E-09
484863.09, 3862877.25	0.01614	0.0032692	1.03E-06	9.73E-08	5.89E-05	1.86E-08	1.75E-09
485363.09, 3862877.25	0.01771	0.0035872	1.13E-06	1.07E-07	6.46E-05	2.04E-08	1.92E-09
485863.09, 3862877.25	0.01966	0.0039822	1.26E-06	1.19E-07	7.17E-05	2.26E-08	2.13E-09
486363.09, 3862877.25	0.02113	0.00428	1.35E-06	1.27E-07	7.71E-05	2.43E-08	2.29E-09
486863.09, 3862877.25	0.02393	0.0048471	1.53E-06	1.44E-07	8.73E-05	2.75E-08	2.60E-09
487363.09, 3862877.25	0.02642	0.0053515	1.69E-06	1.59E-07	9.63E-05	3.04E-08	2.87E-09
487863.09, 3862877.25	0.02955	0.0059855	1.89E-06	1.78E-07	1.08E-04	3.40E-08	3.21E-09
488363.09, 3862877.25	0.0333	0.006745	2.13E-06	2.01E-07	1.21E-04	3.83E-08	3.61E-09
488863.09, 3862877.25	0.03749	0.0075937	2.40E-06	2.26E-07	1.37E-04	4.31E-08	4.07E-09
489363.09, 3862877.25	0.04213	0.0085336	2.69E-06	2.54E-07	1.54E-04	4.85E-08	4.57E-09
489863.09, 3862877.25	0.04756	0.0096334	3.04E-06	2.87E-07	1.73E-04	5.47E-08	5.16E-09
490363.09, 3862877.25	0.05455	0.0110493	3.49E-06	3.29E-07	1.99E-04	6.28E-08	5.92E-09
490863.09, 3862877.25	0.06326	0.0128135	4.04E-06	3.81E-07	2.31E-04	7.28E-08	6.86E-09
491363.09, 3862877.25	0.07112	0.0144056	4.55E-06	4.29E-07	2.59E-04	8.19E-08	7.72E-09
491863.09, 3862877.25	0.09176	0.0185863	5.87E-06	5.53E-07	3.35E-04	1.06E-07	9.96E-09
492363.09, 3862877.25	0.10984	0.0222485	7.02E-06	6.62E-07	4.01E-04	1.26E-07	1.19E-08
492863.09, 3862877.25	0.13147	0.0266297	8.40E-06	7.92E-07	4.79E-04	1.51E-07	1.43E-08
493363.09, 3862877.25	0.15758	0.0319184	1.01E-05	9.50E-07	5.75E-04	1.81E-07	1.71E-08
493863.09, 3862877.25	0.19674	0.0398504	1.26E-05	1.19E-06	7.17E-04	2.26E-07	2.13E-08
494363.09, 3862877.25	0.2578	0.0522183	1.65E-05	1.55E-06	9.40E-04	2.97E-07	2.80E-08

494863.09, 3862877.25	0.32269	0.065362	2.06E-05	1.95E-06	1.18E-03	3.71E-07	3.50E-08
495363.09, 3862877.25	0.37704	0.0763708	2.41E-05	2.27E-06	1.37E-03	4.34E-07	4.09E-08
495863.09, 3862877.25	0.42449	0.085982	2.71E-05	2.56E-06	1.55E-03	4.89E-07	4.61E-08
496363.09, 3862877.25	0.46719	0.094631	2.99E-05	2.82E-06	1.70E-03	5.38E-07	5.07E-08
496863.09, 3862877.25	0.53697	0.1087652	3.43E-05	3.24E-06	1.96E-03	6.18E-07	5.83E-08
497363.09, 3862877.25	0.62576	0.1267499	4.00E-05	3.77E-06	2.28E-03	7.20E-07	6.79E-08
497863.09, 3862877.25	0.67791	0.1373131	4.33E-05	4.09E-06	2.47E-03	7.80E-07	7.36E-08
498363.09, 3862877.25	0.65609	0.1328934	4.19E-05	3.95E-06	2.39E-03	7.55E-07	7.12E-08
471363.09, 3863377.25	0.0032	0.0006482	2.05E-07	1.93E-08	1.17E-05	3.68E-09	3.47E-10
471863.09, 3863377.25	0.00331	0.0006705	2.12E-07	2.00E-08	1.21E-05	3.81E-09	3.59E-10
472363.09, 3863377.25	0.00348	0.0007049	2.22E-07	2.10E-08	1.27E-05	4.01E-09	3.78E-10
472863.09, 3863377.25	0.00371	0.0007515	2.37E-07	2.24E-08	1.35E-05	4.27E-09	4.03E-10
473363.09, 3863377.25	0.00395	0.0008001	2.53E-07	2.38E-08	1.44E-05	4.55E-09	4.29E-10
473863.09, 3863377.25	0.00411	0.0008325	2.63E-07	2.48E-08	1.50E-05	4.73E-09	4.46E-10
474363.09, 3863377.25	0.00423	0.0008568	2.70E-07	2.55E-08	1.54E-05	4.87E-09	4.59E-10
474863.09, 3863377.25	0.00469	0.00095	3.00E-07	2.83E-08	1.71E-05	5.40E-09	5.09E-10
475363.09, 3863377.25	0.00475	0.0009621	3.04E-07	2.86E-08	1.73E-05	5.47E-09	5.15E-10
475863.09, 3863377.25	0.00475	0.0009621	3.04E-07	2.86E-08	1.73E-05	5.47E-09	5.15E-10
476363.09, 3863377.25	0.00494	0.0010006	3.16E-07	2.98E-08	1.80E-05	5.69E-09	5.36E-10
476863.09, 3863377.25	0.00506	0.0010249	3.23E-07	3.05E-08	1.85E-05	5.82E-09	5.49E-10
477363.09, 3863377.25	0.00489	0.0009905	3.13E-07	2.95E-08	1.78E-05	5.63E-09	5.31E-10
477863.09, 3863377.25	0.00415	0.0008406	2.65E-07	2.50E-08	1.51E-05	4.78E-09	4.50E-10
478363.09, 3863377.25	0.00306	0.0006198	1.96E-07	1.84E-08	1.12E-05	3.52E-09	3.32E-10
478863.09, 3863377.25	0.00341	0.0006907	2.18E-07	2.06E-08	1.24E-05	3.92E-09	3.70E-10
479363.09, 3863377.25	0.00475	0.0009621	3.04E-07	2.86E-08	1.73E-05	5.47E-09	5.15E-10
479863.09, 3863377.25	0.00748	0.0015151	4.78E-07	4.51E-08	2.73E-05	8.61E-09	8.12E-10
480363.09, 3863377.25	0.00848	0.0017177	5.42E-07	5.11E-08	3.09E-05	9.76E-09	9.20E-10
480863.09, 3863377.25	0.0088	0.0017825	5.63E-07	5.30E-08	3.21E-05	1.01E-08	9.55E-10
481363.09, 3863377.25	0.00989	0.0020033	6.32E-07	5.96E-08	3.61E-05	1.14E-08	1.07E-09
481863.09, 3863377.25	0.01041	0.0021086	6.66E-07	6.27E-08	3.80E-05	1.20E-08	1.13E-09
482363.09, 3863377.25	0.01089	0.0022058	6.96E-07	6.56E-08	3.97E-05	1.25E-08	1.18E-09
482863.09, 3863377.25	0.01172	0.0023739	7.49E-07	7.06E-08	4.27E-05	1.35E-08	1.27E-09
483363.09, 3863377.25	0.01242	0.0025157	7.94E-07	7.49E-08	4.53E-05	1.43E-08	1.35E-09
483863.09, 3863377.25	0.01352	0.0027385	8.64E-07	8.15E-08	4.93E-05	1.56E-08	1.47E-09
484363.09, 3863377.25	0.01516	0.0030707	9.69E-07	9.14E-08	5.53E-05	1.74E-08	1.65E-09
484863.09, 3863377.25	0.01665	0.0033725	1.06E-06	1.00E-07	6.07E-05	1.92E-08	1.81E-09
485363.09, 3863377.25	0.01888	0.0038242	1.21E-06	1.14E-07	6.88E-05	2.17E-08	2.05E-09
485863.09, 3863377.25	0.02073	0.0041989	1.33E-06	1.25E-07	7.56E-05	2.39E-08	2.25E-09
486363.09, 3863377.25	0.02252	0.0045615	1.44E-06	1.36E-07	8.21E-05	2.59E-08	2.44E-09
486863.09, 3863377.25	0.02449	0.0049605	1.57E-06	1.48E-07	8.93E-05	2.82E-08	2.66E-09
487363.09, 3863377.25	0.02669	0.0054062	1.71E-06	1.61E-07	9.73E-05	3.07E-08	2.90E-09
487863.09, 3863377.25	0.02896	0.005866	1.85E-06	1.75E-07	1.06E-04	3.33E-08	3.14E-09
488363.09, 3863377.25	0.0312	0.0063197	1.99E-06	1.88E-07	1.14E-04	3.59E-08	3.39E-09
488863.09, 3863377.25	0.03367	0.00682	2.15E-06	2.03E-07	1.23E-04	3.88E-08	3.65E-09
489363.09, 3863377.25	0.03762	0.0076201	2.41E-06	2.27E-07	1.37E-04	4.33E-08	4.08E-09
489863.09, 3863377.25	0.04218	0.0085437	2.70E-06	2.54E-07	1.54E-04	4.85E-08	4.58E-09
490363.09, 3863377.25	0.04771	0.0096638	3.05E-06	2.88E-07	1.74E-04	5.49E-08	5.18E-09
490863.09, 3863377.25	0.05417	0.0109723	3.46E-06	3.27E-07	1.98E-04	6.23E-08	5.88E-09
491363.09, 3863377.25	0.06331	0.0128237	4.05E-06	3.82E-07	2.31E-04	7.29E-08	6.87E-09
491863.09, 3863377.25	0.07322	0.014831	4.68E-06	4.41E-07	2.67E-04	8.43E-08	7.95E-09
492363.09, 3863377.25	0.07802	0.0158032	4.99E-06	4.70E-07	2.85E-04	8.98E-08	8.47E-09
492863.09, 3863377.25	0.06318	0.0127973	4.04E-06	3.81E-07	2.30E-04	7.27E-08	6.86E-09
493363.09, 3863377.25	0.04641	0.0094005	2.97E-06	2.80E-07	1.69E-04	5.34E-08	5.04E-09
493863.09, 3863377.25	0.05583	0.0113086	3.57E-06	3.37E-07	2.04E-04	6.43E-08	6.06E-09
494363.09, 3863377.25	0.10477	0.0212215	6.70E-06	6.32E-07	3.82E-04	1.21E-07	1.14E-08
494863.09, 3863377.25	0.114	0.0230911	7.29E-06	6.87E-07	4.16E-04	1.31E-07	1.24E-08
495363.09, 3863377.25	0.09361	0.018961	5.98E-06	5.64E-07	3.41E-04	1.08E-07	1.02E-08
495863.09, 3863377.25	0.08759	0.0177417	5.60E-06	5.28E-07	3.19E-04	1.01E-07	9.51E-09
496363.09, 3863377.25	0.26441	0.0535572	1.69E-05	1.59E-06	9.64E-04	3.04E-07	2.87E-08
496863.09, 3863377.25	0.26172	0.0530123	1.67E-05	1.58E-06	9.54E-04	3.01E-07	2.84E-08

497363.09, 3863377.25	0.2956	0.0598748	1.89E-05	1.78E-06	1.08E-03	3.40E-07	3.21E-08
497863.09, 3863377.25	0.31904	0.0646227	2.04E-05	1.92E-06	1.16E-03	3.67E-07	3.46E-08
498363.09, 3863377.25	0.33384	0.0676205	2.13E-05	2.01E-06	1.22E-03	3.84E-07	3.62E-08
471363.09, 3863877.25	0.00366	0.0007413	2.34E-07	2.21E-08	1.33E-05	4.21E-09	3.97E-10
471863.09, 3863877.25	0.00359	0.0007272	2.30E-07	2.16E-08	1.31E-05	4.13E-09	3.90E-10
472363.09, 3863877.25	0.00387	0.0007839	2.47E-07	2.33E-08	1.41E-05	4.45E-09	4.20E-10
472863.09, 3863877.25	0.0041	0.0008305	2.62E-07	2.47E-08	1.50E-05	4.72E-09	4.45E-10
473363.09, 3863877.25	0.00449	0.0009095	2.87E-07	2.71E-08	1.64E-05	5.17E-09	4.87E-10
473863.09, 3863877.25	0.00454	0.0009196	2.90E-07	2.74E-08	1.66E-05	5.23E-09	4.93E-10
474363.09, 3863877.25	0.00476	0.0009642	3.04E-07	2.87E-08	1.74E-05	5.48E-09	5.17E-10
474863.09, 3863877.25	0.00516	0.0010452	3.30E-07	3.11E-08	1.88E-05	5.94E-09	5.60E-10
475363.09, 3863877.25	0.00503	0.0010188	3.22E-07	3.03E-08	1.83E-05	5.79E-09	5.46E-10
475863.09, 3863877.25	0.00537	0.0010877	3.43E-07	3.24E-08	1.96E-05	6.18E-09	5.83E-10
476363.09, 3863877.25	0.00537	0.0010877	3.43E-07	3.24E-08	1.96E-05	6.18E-09	5.83E-10
476863.09, 3863877.25	0.00567	0.0011485	3.62E-07	3.42E-08	2.07E-05	6.53E-09	6.15E-10
477363.09, 3863877.25	0.00559	0.0011323	3.57E-07	3.37E-08	2.04E-05	6.43E-09	6.07E-10
477863.09, 3863877.25	0.00489	0.0009905	3.13E-07	2.95E-08	1.78E-05	5.63E-09	5.31E-10
478363.09, 3863877.25	0.00368	0.0007454	2.35E-07	2.22E-08	1.34E-05	4.24E-09	3.99E-10
478863.09, 3863877.25	0.00525	0.0010634	3.36E-07	3.16E-08	1.91E-05	6.04E-09	5.70E-10
479363.09, 3863877.25	0.00674	0.0013652	4.31E-07	4.06E-08	2.46E-05	7.76E-09	7.31E-10
479863.09, 3863877.25	0.00791	0.0016022	5.06E-07	4.77E-08	2.88E-05	9.10E-09	8.58E-10
480363.09, 3863877.25	0.00885	0.0017926	5.66E-07	5.33E-08	3.23E-05	1.02E-08	9.60E-10
480863.09, 3863877.25	0.00936	0.0018959	5.98E-07	5.64E-08	3.41E-05	1.08E-08	1.02E-09
481363.09, 3863877.25	0.01018	0.002062	6.51E-07	6.14E-08	3.71E-05	1.17E-08	1.10E-09
481863.09, 3863877.25	0.01104	0.0022362	7.06E-07	6.65E-08	4.03E-05	1.27E-08	1.20E-09
482363.09, 3863877.25	0.01166	0.0023618	7.45E-07	7.03E-08	4.25E-05	1.34E-08	1.27E-09
482863.09, 3863877.25	0.01272	0.0025765	8.13E-07	7.67E-08	4.64E-05	1.46E-08	1.38E-09
483363.09, 3863877.25	0.01377	0.0027892	8.80E-07	8.30E-08	5.02E-05	1.58E-08	1.49E-09
483863.09, 3863877.25	0.01463	0.0029634	9.35E-07	8.82E-08	5.34E-05	1.68E-08	1.59E-09
484363.09, 3863877.25	0.01598	0.0032368	1.02E-06	9.63E-08	5.83E-05	1.84E-08	1.73E-09
484863.09, 3863877.25	0.01712	0.0034677	1.09E-06	1.03E-07	6.24E-05	1.97E-08	1.86E-09
485363.09, 3863877.25	0.01841	0.003729	1.18E-06	1.11E-07	6.71E-05	2.12E-08	2.00E-09
485863.09, 3863877.25	0.01935	0.0039194	1.24E-06	1.17E-07	7.06E-05	2.23E-08	2.10E-09
486363.09, 3863877.25	0.02084	0.0042212	1.33E-06	1.26E-07	7.60E-05	2.40E-08	2.26E-09
486863.09, 3863877.25	0.02223	0.0045028	1.42E-06	1.34E-07	8.11E-05	2.56E-08	2.41E-09
487363.09, 3863877.25	0.02385	0.0048309	1.52E-06	1.44E-07	8.70E-05	2.75E-08	2.59E-09
487863.09, 3863877.25	0.02574	0.0052137	1.65E-06	1.55E-07	9.39E-05	2.96E-08	2.79E-09
488363.09, 3863877.25	0.02789	0.0056492	1.78E-06	1.68E-07	1.02E-04	3.21E-08	3.03E-09
488863.09, 3863877.25	0.0305	0.0061779	1.95E-06	1.84E-07	1.11E-04	3.51E-08	3.31E-09
489363.09, 3863877.25	0.03376	0.0068382	2.16E-06	2.03E-07	1.23E-04	3.89E-08	3.66E-09
489863.09, 3863877.25	0.03767	0.0076302	2.41E-06	2.27E-07	1.37E-04	4.34E-08	4.09E-09
490363.09, 3863877.25	0.04235	0.0085781	2.71E-06	2.55E-07	1.54E-04	4.87E-08	4.60E-09
490863.09, 3863877.25	0.04701	0.009522	3.01E-06	2.83E-07	1.71E-04	5.41E-08	5.10E-09
491363.09, 3863877.25	0.05182	0.0104963	3.31E-06	3.12E-07	1.89E-04	5.96E-08	5.62E-09
491863.09, 3863877.25	0.04415	0.0089427	2.82E-06	2.66E-07	1.61E-04	5.08E-08	4.79E-09
492363.09, 3863877.25	0.02256	0.0045696	1.44E-06	1.36E-07	8.23E-05	2.60E-08	2.45E-09
492863.09, 3863877.25	0.01439	0.0029147	9.20E-07	8.67E-08	5.25E-05	1.66E-08	1.56E-09
493363.09, 3863877.25	0.01626	0.0032935	1.04E-06	9.80E-08	5.93E-05	1.87E-08	1.76E-09
493863.09, 3863877.25	0.02492	0.0050476	1.59E-06	1.50E-07	9.09E-05	2.87E-08	2.70E-09
494363.09, 3863877.25	0.0353	0.0071501	2.26E-06	2.13E-07	1.29E-04	4.06E-08	3.83E-09
494863.09, 3863877.25	0.04577	0.0092709	2.93E-06	2.76E-07	1.67E-04	5.27E-08	4.97E-09
495363.09, 3863877.25	0.05164	0.0104599	3.30E-06	3.11E-07	1.88E-04	5.94E-08	5.60E-09
495863.09, 3863877.25	0.05306	0.0107475	3.39E-06	3.20E-07	1.93E-04	6.11E-08	5.76E-09
496363.09, 3863877.25	0.09697	0.0196416	6.20E-06	5.84E-07	3.54E-04	1.12E-07	1.05E-08
496863.09, 3863877.25	0.16252	0.032919	1.04E-05	9.80E-07	5.93E-04	1.87E-07	1.76E-08
497363.09, 3863877.25	0.1907	0.038627	1.22E-05	1.15E-06	6.95E-04	2.19E-07	2.07E-08
497863.09, 3863877.25	0.19882	0.0402717	1.27E-05	1.20E-06	7.25E-04	2.29E-07	2.16E-08
498363.09, 3863877.25	0.19735	0.039974	1.26E-05	1.19E-06	7.20E-04	2.27E-07	2.14E-08
471363.09, 3864377.25	0.00358	0.0007251	2.29E-07	2.16E-08	1.31E-05	4.12E-09	3.88E-10
471863.09, 3864377.25	0.00368	0.0007454	2.35E-07	2.22E-08	1.34E-05	4.24E-09	3.99E-10

472363.09, 3864377.25	0.00384	0.0007778	2.45E-07	2.31E-08	1.40E-05	4.42E-09	4.17E-10
472863.09, 3864377.25	0.00397	0.0008041	2.54E-07	2.39E-08	1.45E-05	4.57E-09	4.31E-10
473363.09, 3864377.25	0.00438	0.0008872	2.80E-07	2.64E-08	1.60E-05	5.04E-09	4.75E-10
473863.09, 3864377.25	0.00461	0.0009338	2.95E-07	2.78E-08	1.68E-05	5.31E-09	5.00E-10
474363.09, 3864377.25	0.00469	0.00095	3.00E-07	2.83E-08	1.71E-05	5.40E-09	5.09E-10
474863.09, 3864377.25	0.00505	0.0010229	3.23E-07	3.04E-08	1.84E-05	5.81E-09	5.48E-10
475363.09, 3864377.25	0.00511	0.001035	3.27E-07	3.08E-08	1.86E-05	5.88E-09	5.55E-10
475863.09, 3864377.25	0.00539	0.0010918	3.45E-07	3.25E-08	1.97E-05	6.20E-09	5.85E-10
476363.09, 3864377.25	0.00555	0.0011242	3.55E-07	3.35E-08	2.02E-05	6.39E-09	6.02E-10
476863.09, 3864377.25	0.00563	0.0011404	3.60E-07	3.39E-08	2.05E-05	6.48E-09	6.11E-10
477363.09, 3864377.25	0.00614	0.0012437	3.93E-07	3.70E-08	2.24E-05	7.07E-09	6.66E-10
477863.09, 3864377.25	0.00657	0.0013308	4.20E-07	3.96E-08	2.40E-05	7.56E-09	7.13E-10
478363.09, 3864377.25	0.00696	0.0014098	4.45E-07	4.20E-08	2.54E-05	8.01E-09	7.55E-10
478863.09, 3864377.25	0.00737	0.0014928	4.71E-07	4.44E-08	2.69E-05	8.48E-09	8.00E-10
479363.09, 3864377.25	0.00822	0.001665	5.25E-07	4.95E-08	3.00E-05	9.46E-09	8.92E-10
479863.09, 3864377.25	0.00882	0.0017865	5.64E-07	5.32E-08	3.22E-05	1.02E-08	9.57E-10
480363.09, 3864377.25	0.00934	0.0018919	5.97E-07	5.63E-08	3.41E-05	1.07E-08	1.01E-09
480863.09, 3864377.25	0.01038	0.0021025	6.64E-07	6.26E-08	3.79E-05	1.19E-08	1.13E-09
481363.09, 3864377.25	0.01114	0.0022564	7.12E-07	6.71E-08	4.06E-05	1.28E-08	1.21E-09
481863.09, 3864377.25	0.01176	0.002382	7.52E-07	7.09E-08	4.29E-05	1.35E-08	1.28E-09
482363.09, 3864377.25	0.01235	0.0025015	7.90E-07	7.44E-08	4.50E-05	1.42E-08	1.34E-09
482863.09, 3864377.25	0.01296	0.0026251	8.29E-07	7.81E-08	4.73E-05	1.49E-08	1.41E-09
483363.09, 3864377.25	0.01368	0.0027709	8.75E-07	8.25E-08	4.99E-05	1.57E-08	1.48E-09
483863.09, 3864377.25	0.01437	0.0029107	9.19E-07	8.66E-08	5.24E-05	1.65E-08	1.56E-09
484363.09, 3864377.25	0.01506	0.0030505	9.63E-07	9.08E-08	5.49E-05	1.73E-08	1.63E-09
484863.09, 3864377.25	0.01603	0.0032469	1.02E-06	9.66E-08	5.85E-05	1.84E-08	1.74E-09
485363.09, 3864377.25	0.0171	0.0034637	1.09E-06	1.03E-07	6.24E-05	1.97E-08	1.86E-09
485863.09, 3864377.25	0.01824	0.0036946	1.17E-06	1.10E-07	6.65E-05	2.10E-08	1.98E-09
486363.09, 3864377.25	0.01944	0.0039376	1.24E-06	1.17E-07	7.09E-05	2.24E-08	2.11E-09
486863.09, 3864377.25	0.02067	0.0041868	1.32E-06	1.25E-07	7.54E-05	2.38E-08	2.24E-09
487363.09, 3864377.25	0.02182	0.0044197	1.39E-06	1.32E-07	7.96E-05	2.51E-08	2.37E-09
487863.09, 3864377.25	0.0234	0.0047398	1.50E-06	1.41E-07	8.53E-05	2.69E-08	2.54E-09
488363.09, 3864377.25	0.02565	0.0051955	1.64E-06	1.55E-07	9.35E-05	2.95E-08	2.78E-09
488863.09, 3864377.25	0.02742	0.005554	1.75E-06	1.65E-07	1.00E-04	3.16E-08	2.98E-09
489363.09, 3864377.25	0.02969	0.0060138	1.90E-06	1.79E-07	1.08E-04	3.42E-08	3.22E-09
489863.09, 3864377.25	0.03223	0.0065283	2.06E-06	1.94E-07	1.18E-04	3.71E-08	3.50E-09
490363.09, 3864377.25	0.03509	0.0071076	2.24E-06	2.12E-07	1.28E-04	4.04E-08	3.81E-09
490863.09, 3864377.25	0.03762	0.0076201	2.41E-06	2.27E-07	1.37E-04	4.33E-08	4.08E-09
491363.09, 3864377.25	0.02332	0.0047235	1.49E-06	1.41E-07	8.50E-05	2.68E-08	2.53E-09
491863.09, 3864377.25	0.00276	0.000559	1.76E-07	1.66E-08	1.01E-05	3.18E-09	3.00E-10
492363.09, 3864377.25	0.00601	0.0012173	3.84E-07	3.62E-08	2.19E-05	6.92E-09	6.52E-10
492863.09, 3864377.25	0.00325	0.0006583	2.08E-07	1.96E-08	1.19E-05	3.74E-09	3.53E-10
493363.09, 3864377.25	0.00567	0.0011485	3.62E-07	3.42E-08	2.07E-05	6.53E-09	6.15E-10
493863.09, 3864377.25	0.01148	0.0023253	7.34E-07	6.92E-08	4.19E-05	1.32E-08	1.25E-09
494363.09, 3864377.25	0.01821	0.0036885	1.16E-06	1.10E-07	6.64E-05	2.10E-08	1.98E-09
494863.09, 3864377.25	0.02717	0.0055034	1.74E-06	1.64E-07	9.91E-05	3.13E-08	2.95E-09
495363.09, 3864377.25	0.03423	0.0069334	2.19E-06	2.06E-07	1.25E-04	3.94E-08	3.71E-09
495863.09, 3864377.25	0.03704	0.0075026	2.37E-06	2.23E-07	1.35E-04	4.26E-08	4.02E-09
496363.09, 3864377.25	0.04654	0.0094268	2.98E-06	2.81E-07	1.70E-04	5.36E-08	5.05E-09
496863.09, 3864377.25	0.06073	0.0123011	3.88E-06	3.66E-07	2.21E-04	6.99E-08	6.59E-09
497363.09, 3864377.25	0.09993	0.0202412	6.39E-06	6.02E-07	3.64E-04	1.15E-07	1.08E-08
497863.09, 3864377.25	0.09952	0.0201581	6.36E-06	6.00E-07	3.63E-04	1.15E-07	1.08E-08
498363.09, 3864377.25	0.13727	0.0278045	8.78E-06	8.27E-07	5.01E-04	1.58E-07	1.49E-08
471363.09, 3864877.25	0.00353	0.000715	2.26E-07	2.13E-08	1.29E-05	4.06E-09	3.83E-10
471863.09, 3864877.25	0.00365	0.0007393	2.33E-07	2.20E-08	1.33E-05	4.20E-09	3.96E-10
472363.09, 3864877.25	0.00384	0.0007778	2.45E-07	2.31E-08	1.40E-05	4.42E-09	4.17E-10
472863.09, 3864877.25	0.00406	0.0008224	2.60E-07	2.45E-08	1.48E-05	4.67E-09	4.41E-10
473363.09, 3864877.25	0.00449	0.0009095	2.87E-07	2.71E-08	1.64E-05	5.17E-09	4.87E-10
473863.09, 3864877.25	0.00482	0.0009763	3.08E-07	2.91E-08	1.76E-05	5.55E-09	5.23E-10
474363.09, 3864877.25	0.00504	0.0010209	3.22E-07	3.04E-08	1.84E-05	5.80E-09	5.47E-10

474863.09, 3864877.25	0.00533	0.0010796	3.41E-07	3.21E-08	1.94E-05	6.13E-09	5.78E-10
475363.09, 3864877.25	0.00563	0.0011404	3.60E-07	3.39E-08	2.05E-05	6.48E-09	6.11E-10
475863.09, 3864877.25	0.00602	0.0012194	3.85E-07	3.63E-08	2.20E-05	6.93E-09	6.53E-10
476363.09, 3864877.25	0.00628	0.001272	4.01E-07	3.79E-08	2.29E-05	7.23E-09	6.81E-10
476863.09, 3864877.25	0.00626	0.001268	4.00E-07	3.77E-08	2.28E-05	7.20E-09	6.79E-10
477363.09, 3864877.25	0.00682	0.0013814	4.36E-07	4.11E-08	2.49E-05	7.85E-09	7.40E-10
477863.09, 3864877.25	0.00731	0.0014807	4.67E-07	4.41E-08	2.67E-05	8.41E-09	7.93E-10
478363.09, 3864877.25	0.00783	0.001586	5.01E-07	4.72E-08	2.86E-05	9.01E-09	8.50E-10
478863.09, 3864877.25	0.0084	0.0017015	5.37E-07	5.06E-08	3.06E-05	9.67E-09	9.12E-10
479363.09, 3864877.25	0.00898	0.0018189	5.74E-07	5.41E-08	3.27E-05	1.03E-08	9.74E-10
479863.09, 3864877.25	0.00954	0.0019324	6.10E-07	5.75E-08	3.48E-05	1.10E-08	1.04E-09
480363.09, 3864877.25	0.00988	0.0020012	6.32E-07	5.96E-08	3.60E-05	1.14E-08	1.07E-09
480863.09, 3864877.25	0.01043	0.0021126	6.67E-07	6.29E-08	3.80E-05	1.20E-08	1.13E-09
481363.09, 3864877.25	0.01083	0.0021937	6.92E-07	6.53E-08	3.95E-05	1.25E-08	1.18E-09
481863.09, 3864877.25	0.01124	0.0022767	7.19E-07	6.78E-08	4.10E-05	1.29E-08	1.22E-09
482363.09, 3864877.25	0.01161	0.0023516	7.42E-07	7.00E-08	4.23E-05	1.34E-08	1.26E-09
482863.09, 3864877.25	0.01208	0.0024468	7.72E-07	7.28E-08	4.41E-05	1.39E-08	1.31E-09
483363.09, 3864877.25	0.01271	0.0025745	8.13E-07	7.66E-08	4.63E-05	1.46E-08	1.38E-09
483863.09, 3864877.25	0.01361	0.0027568	8.70E-07	8.20E-08	4.96E-05	1.57E-08	1.48E-09
484363.09, 3864877.25	0.01449	0.002935	9.26E-07	8.73E-08	5.28E-05	1.67E-08	1.57E-09
484863.09, 3864877.25	0.0154	0.0031193	9.85E-07	9.28E-08	5.62E-05	1.77E-08	1.67E-09
485363.09, 3864877.25	0.01609	0.0032591	1.03E-06	9.70E-08	5.87E-05	1.85E-08	1.75E-09
485863.09, 3864877.25	0.01689	0.0034211	1.08E-06	1.02E-07	6.16E-05	1.94E-08	1.83E-09
486363.09, 3864877.25	0.01766	0.0035771	1.13E-06	1.06E-07	6.44E-05	2.03E-08	1.92E-09
486863.09, 3864877.25	0.01868	0.0037837	1.19E-06	1.13E-07	6.81E-05	2.15E-08	2.03E-09
487363.09, 3864877.25	0.02011	0.0040734	1.29E-06	1.21E-07	7.33E-05	2.31E-08	2.18E-09
487863.09, 3864877.25	0.02155	0.004365	1.38E-06	1.30E-07	7.86E-05	2.48E-08	2.34E-09
488363.09, 3864877.25	0.02297	0.0046527	1.47E-06	1.38E-07	8.38E-05	2.64E-08	2.49E-09
488863.09, 3864877.25	0.02442	0.0049464	1.56E-06	1.47E-07	8.91E-05	2.81E-08	2.65E-09
489363.09, 3864877.25	0.0259	0.0052461	1.66E-06	1.56E-07	9.44E-05	2.98E-08	2.81E-09
489863.09, 3864877.25	0.02761	0.0055925	1.77E-06	1.66E-07	1.01E-04	3.18E-08	3.00E-09
490363.09, 3864877.25	0.02918	0.0059105	1.87E-06	1.76E-07	1.06E-04	3.36E-08	3.17E-09
490863.09, 3864877.25	0.0094	0.001904	6.01E-07	5.67E-08	3.43E-05	1.08E-08	1.02E-09
491363.09, 3864877.25	0.02076	0.004205	1.33E-06	1.25E-07	7.57E-05	2.39E-08	2.25E-09
491863.09, 3864877.25	0.0091	0.0018432	5.82E-07	5.49E-08	3.32E-05	1.05E-08	9.88E-10
492363.09, 3864877.25	0.0018	0.0003646	1.15E-07	1.08E-08	6.56E-06	2.07E-09	1.95E-10
492863.09, 3864877.25	0.00224	0.0004537	1.43E-07	1.35E-08	8.17E-06	2.58E-09	2.43E-10
493363.09, 3864877.25	0.00232	0.0004699	1.48E-07	1.40E-08	8.46E-06	2.67E-09	2.52E-10
493863.09, 3864877.25	0.00617	0.0012498	3.94E-07	3.72E-08	2.25E-05	7.10E-09	6.70E-10
494363.09, 3864877.25	0.01274	0.0025805	8.14E-07	7.68E-08	4.65E-05	1.47E-08	1.38E-09
494863.09, 3864877.25	0.01635	0.0033118	1.05E-06	9.86E-08	5.96E-05	1.88E-08	1.77E-09
495363.09, 3864877.25	0.02134	0.0043225	1.36E-06	1.29E-07	7.78E-05	2.46E-08	2.32E-09
495863.09, 3864877.25	0.03472	0.0070327	2.22E-06	2.09E-07	1.27E-04	4.00E-08	3.77E-09
496363.09, 3864877.25	0.02874	0.0058214	1.84E-06	1.73E-07	1.05E-04	3.31E-08	3.12E-09
496863.09, 3864877.25	0.0325	0.006583	2.08E-06	1.96E-07	1.19E-04	3.74E-08	3.53E-09
497363.09, 3864877.25	0.04488	0.0090906	2.87E-06	2.71E-07	1.64E-04	5.17E-08	4.87E-09
497863.09, 3864877.25	0.05403	0.010944	3.45E-06	3.26E-07	1.97E-04	6.22E-08	5.86E-09
498363.09, 3864877.25	0.07889	0.0159795	5.04E-06	4.76E-07	2.88E-04	9.08E-08	8.56E-09
471363.09, 3865377.25	0.00391	0.000792	2.50E-07	2.36E-08	1.43E-05	4.50E-09	4.24E-10
471863.09, 3865377.25	0.00409	0.0008284	2.61E-07	2.47E-08	1.49E-05	4.71E-09	4.44E-10
472363.09, 3865377.25	0.00433	0.0008771	2.77E-07	2.61E-08	1.58E-05	4.98E-09	4.70E-10
472863.09, 3865377.25	0.00443	0.0008973	2.83E-07	2.67E-08	1.62E-05	5.10E-09	4.81E-10
473363.09, 3865377.25	0.00498	0.0010087	3.18E-07	3.00E-08	1.82E-05	5.73E-09	5.40E-10
473863.09, 3865377.25	0.00533	0.0010796	3.41E-07	3.21E-08	1.94E-05	6.13E-09	5.78E-10
474363.09, 3865377.25	0.00561	0.0011363	3.59E-07	3.38E-08	2.05E-05	6.46E-09	6.09E-10
474863.09, 3865377.25	0.00579	0.0011728	3.70E-07	3.49E-08	2.11E-05	6.66E-09	6.28E-10
475363.09, 3865377.25	0.00622	0.0012599	3.98E-07	3.75E-08	2.27E-05	7.16E-09	6.75E-10
475863.09, 3865377.25	0.00646	0.0013085	4.13E-07	3.89E-08	2.36E-05	7.44E-09	7.01E-10
476363.09, 3865377.25	0.00543	0.0010999	3.47E-07	3.27E-08	1.98E-05	6.25E-09	5.89E-10
476863.09, 3865377.25	0.00335	0.0006786	2.14E-07	2.02E-08	1.22E-05	3.86E-09	3.64E-10

477363.09, 3865377.25	0.00622	0.0012599	3.98E-07	3.75E-08	2.27E-05	7.16E-09	6.75E-10
477863.09, 3865377.25	0.00759	0.0015374	4.85E-07	4.57E-08	2.77E-05	8.74E-09	8.24E-10
478363.09, 3865377.25	0.00794	0.0016083	5.08E-07	4.79E-08	2.90E-05	9.14E-09	8.62E-10
478863.09, 3865377.25	0.00841	0.0017035	5.38E-07	5.07E-08	3.07E-05	9.68E-09	9.13E-10
479363.09, 3865377.25	0.00873	0.0017683	5.58E-07	5.26E-08	3.18E-05	1.00E-08	9.47E-10
479863.09, 3865377.25	0.00888	0.0017987	5.68E-07	5.35E-08	3.24E-05	1.02E-08	9.64E-10
480363.09, 3865377.25	0.00922	0.0018675	5.89E-07	5.56E-08	3.36E-05	1.06E-08	1.00E-09
480863.09, 3865377.25	0.00958	0.0019405	6.12E-07	5.77E-08	3.49E-05	1.10E-08	1.04E-09
481363.09, 3865377.25	0.01	0.0020255	6.39E-07	6.03E-08	3.65E-05	1.15E-08	1.09E-09
481863.09, 3865377.25	0.01055	0.0021369	6.74E-07	6.36E-08	3.85E-05	1.21E-08	1.14E-09
482363.09, 3865377.25	0.01115	0.0022585	7.13E-07	6.72E-08	4.07E-05	1.28E-08	1.21E-09
482863.09, 3865377.25	0.01183	0.0023962	7.56E-07	7.13E-08	4.31E-05	1.36E-08	1.28E-09
483363.09, 3865377.25	0.0125	0.0025319	7.99E-07	7.53E-08	4.56E-05	1.44E-08	1.36E-09
483863.09, 3865377.25	0.01309	0.0026514	8.37E-07	7.89E-08	4.77E-05	1.51E-08	1.42E-09
484363.09, 3865377.25	0.01355	0.0027446	8.66E-07	8.17E-08	4.94E-05	1.56E-08	1.47E-09
484863.09, 3865377.25	0.01396	0.0028276	8.92E-07	8.41E-08	5.09E-05	1.61E-08	1.51E-09
485363.09, 3865377.25	0.01449	0.002935	9.26E-07	8.73E-08	5.28E-05	1.67E-08	1.57E-09
485863.09, 3865377.25	0.01534	0.0031072	9.81E-07	9.25E-08	5.59E-05	1.77E-08	1.66E-09
486363.09, 3865377.25	0.01631	0.0033036	1.04E-06	9.83E-08	5.95E-05	1.88E-08	1.77E-09
486863.09, 3865377.25	0.01759	0.0035629	1.12E-06	1.06E-07	6.41E-05	2.02E-08	1.91E-09
487363.09, 3865377.25	0.01884	0.0038161	1.20E-06	1.14E-07	6.87E-05	2.17E-08	2.04E-09
487863.09, 3865377.25	0.01979	0.0040085	1.27E-06	1.19E-07	7.22E-05	2.28E-08	2.15E-09
488363.09, 3865377.25	0.02022	0.0040956	1.29E-06	1.22E-07	7.37E-05	2.33E-08	2.19E-09
488863.09, 3865377.25	0.02061	0.0041746	1.32E-06	1.24E-07	7.52E-05	2.37E-08	2.24E-09
489363.09, 3865377.25	0.02148	0.0043509	1.37E-06	1.29E-07	7.83E-05	2.47E-08	2.33E-09
489863.09, 3865377.25	0.02224	0.0045048	1.42E-06	1.34E-07	8.11E-05	2.56E-08	2.41E-09
490363.09, 3865377.25	0.01005	0.0020357	6.42E-07	6.06E-08	3.66E-05	1.16E-08	1.09E-09
490863.09, 3865377.25	0.00891	0.0018048	5.70E-07	5.37E-08	3.25E-05	1.03E-08	9.67E-10
491363.09, 3865377.25	0.00816	0.0016528	5.22E-07	4.92E-08	2.98E-05	9.39E-09	8.86E-10
491863.09, 3865377.25	0.00807	0.0016346	5.16E-07	4.86E-08	2.94E-05	9.29E-09	8.76E-10
492363.09, 3865377.25	0.00383	0.0007758	2.45E-07	2.31E-08	1.40E-05	4.41E-09	4.16E-10
492863.09, 3865377.25	0.00251	0.0005084	1.60E-07	1.51E-08	9.15E-06	2.89E-09	2.72E-10
493363.09, 3865377.25	0.00211	0.0004274	1.35E-07	1.27E-08	7.69E-06	2.43E-09	2.29E-10
493863.09, 3865377.25	0.00323	0.0006542	2.06E-07	1.95E-08	1.18E-05	3.72E-09	3.51E-10
494363.09, 3865377.25	0.00621	0.0012579	3.97E-07	3.74E-08	2.26E-05	7.15E-09	6.74E-10
494863.09, 3865377.25	0.01035	0.0020964	6.62E-07	6.24E-08	3.77E-05	1.19E-08	1.12E-09
495363.09, 3865377.25	0.01151	0.0023314	7.36E-07	6.94E-08	4.20E-05	1.32E-08	1.25E-09
495863.09, 3865377.25	0.01914	0.0038769	1.22E-06	1.15E-07	6.98E-05	2.20E-08	2.08E-09
496363.09, 3865377.25	0.01644	0.00333	1.05E-06	9.91E-08	6.00E-05	1.89E-08	1.78E-09
496863.09, 3865377.25	0.01687	0.0034171	1.08E-06	1.02E-07	6.15E-05	1.94E-08	1.83E-09
497363.09, 3865377.25	0.02571	0.0052077	1.64E-06	1.55E-07	9.38E-05	2.96E-08	2.79E-09
497863.09, 3865377.25	0.03258	0.0065992	2.08E-06	1.96E-07	1.19E-04	3.75E-08	3.54E-09
498363.09, 3865377.25	0.03095	0.006269	1.98E-06	1.87E-07	1.13E-04	3.56E-08	3.36E-09
471363.09, 3865877.25	0.00429	0.000869	2.74E-07	2.59E-08	1.56E-05	4.94E-09	4.66E-10
471863.09, 3865877.25	0.00454	0.0009196	2.90E-07	2.74E-08	1.66E-05	5.23E-09	4.93E-10
472363.09, 3865877.25	0.00439	0.0008892	2.81E-07	2.65E-08	1.60E-05	5.05E-09	4.76E-10
472863.09, 3865877.25	0.00503	0.0010188	3.22E-07	3.03E-08	1.83E-05	5.79E-09	5.46E-10
473363.09, 3865877.25	0.00538	0.0010897	3.44E-07	3.24E-08	1.96E-05	6.19E-09	5.84E-10
473863.09, 3865877.25	0.00557	0.0011282	3.56E-07	3.36E-08	2.03E-05	6.41E-09	6.04E-10
474363.09, 3865877.25	0.00583	0.0011809	3.73E-07	3.51E-08	2.13E-05	6.71E-09	6.33E-10
474863.09, 3865877.25	0.00596	0.0012072	3.81E-07	3.59E-08	2.17E-05	6.86E-09	6.47E-10
475363.09, 3865877.25	0.00625	0.001266	4.00E-07	3.77E-08	2.28E-05	7.19E-09	6.78E-10
475863.09, 3865877.25	0.00639	0.0012943	4.09E-07	3.85E-08	2.33E-05	7.35E-09	6.93E-10
476363.09, 3865877.25	0.00446	0.0009034	2.85E-07	2.69E-08	1.63E-05	5.13E-09	4.84E-10
476863.09, 3865877.25	0.00328	0.0006644	2.10E-07	1.98E-08	1.20E-05	3.78E-09	3.56E-10
477363.09, 3865877.25	0.00545	0.0011039	3.48E-07	3.29E-08	1.99E-05	6.27E-09	5.91E-10
477863.09, 3865877.25	0.00692	0.0014017	4.42E-07	4.17E-08	2.52E-05	7.96E-09	7.51E-10
478363.09, 3865877.25	0.00723	0.0014645	4.62E-07	4.36E-08	2.64E-05	8.32E-09	7.85E-10
478863.09, 3865877.25	0.00754	0.0015273	4.82E-07	4.54E-08	2.75E-05	8.68E-09	8.18E-10
479363.09, 3865877.25	0.00786	0.0015921	5.02E-07	4.74E-08	2.87E-05	9.05E-09	8.53E-10

479863.09, 3865877.25	0.00831	0.0016832	5.31E-07	5.01E-08	3.03E-05	9.56E-09	9.02E-10
480363.09, 3865877.25	0.00881	0.0017845	5.63E-07	5.31E-08	3.21E-05	1.01E-08	9.56E-10
480863.09, 3865877.25	0.00933	0.0018898	5.96E-07	5.62E-08	3.40E-05	1.07E-08	1.01E-09
481363.09, 3865877.25	0.00986	0.0019972	6.30E-07	5.94E-08	3.60E-05	1.13E-08	1.07E-09
481863.09, 3865877.25	0.01034	0.0020944	6.61E-07	6.23E-08	3.77E-05	1.19E-08	1.12E-09
482363.09, 3865877.25	0.01085	0.0021977	6.94E-07	6.54E-08	3.96E-05	1.25E-08	1.18E-09
482863.09, 3865877.25	0.01127	0.0022828	7.20E-07	6.79E-08	4.11E-05	1.30E-08	1.22E-09
483363.09, 3865877.25	0.01169	0.0023679	7.47E-07	7.05E-08	4.26E-05	1.35E-08	1.27E-09
483863.09, 3865877.25	0.01184	0.0023982	7.57E-07	7.14E-08	4.32E-05	1.36E-08	1.28E-09
484363.09, 3865877.25	0.01232	0.0024955	7.88E-07	7.43E-08	4.49E-05	1.42E-08	1.34E-09
484863.09, 3865877.25	0.01307	0.0026474	8.36E-07	7.88E-08	4.77E-05	1.50E-08	1.42E-09
485363.09, 3865877.25	0.01389	0.0028135	8.88E-07	8.37E-08	5.07E-05	1.60E-08	1.51E-09
485863.09, 3865877.25	0.01479	0.0029958	9.46E-07	8.91E-08	5.39E-05	1.70E-08	1.60E-09
486363.09, 3865877.25	0.01566	0.003172	1.00E-06	9.44E-08	5.71E-05	1.80E-08	1.70E-09
486863.09, 3865877.25	0.01625	0.0032915	1.04E-06	9.79E-08	5.93E-05	1.87E-08	1.76E-09
487363.09, 3865877.25	0.01646	0.003334	1.05E-06	9.92E-08	6.00E-05	1.89E-08	1.79E-09
487863.09, 3865877.25	0.01645	0.003332	1.05E-06	9.92E-08	6.00E-05	1.89E-08	1.79E-09
488363.09, 3865877.25	0.01718	0.0034799	1.10E-06	1.04E-07	6.26E-05	1.98E-08	1.86E-09
488863.09, 3865877.25	0.01804	0.0036541	1.15E-06	1.09E-07	6.58E-05	2.08E-08	1.96E-09
489363.09, 3865877.25	0.01898	0.0038445	1.21E-06	1.14E-07	6.92E-05	2.18E-08	2.06E-09
489863.09, 3865877.25	0.02025	0.0041017	1.29E-06	1.22E-07	7.38E-05	2.33E-08	2.20E-09
490363.09, 3865877.25	0.01594	0.0032287	1.02E-06	9.61E-08	5.81E-05	1.83E-08	1.73E-09
490863.09, 3865877.25	0.0092	0.0018635	5.88E-07	5.55E-08	3.35E-05	1.06E-08	9.98E-10
491363.09, 3865877.25	0.00638	0.0012923	4.08E-07	3.85E-08	2.33E-05	7.34E-09	6.92E-10
491863.09, 3865877.25	0.00716	0.0014503	4.58E-07	4.32E-08	2.61E-05	8.24E-09	7.77E-10
492363.09, 3865877.25	0.00595	0.0012052	3.80E-07	3.59E-08	2.17E-05	6.85E-09	6.46E-10
492863.09, 3865877.25	0.00278	0.0005631	1.78E-07	1.68E-08	1.01E-05	3.20E-09	3.02E-10
493363.09, 3865877.25	0.00246	0.0004983	1.57E-07	1.48E-08	8.97E-06	2.83E-09	2.67E-10
493863.09, 3865877.25	0.00356	0.0007211	2.28E-07	2.15E-08	1.30E-05	4.10E-09	3.86E-10
494363.09, 3865877.25	0.00558	0.0011302	3.57E-07	3.36E-08	2.03E-05	6.42E-09	6.06E-10
494863.09, 3865877.25	0.01066	0.0021592	6.81E-07	6.43E-08	3.89E-05	1.23E-08	1.16E-09
495363.09, 3865877.25	0.01133	0.0022949	7.24E-07	6.83E-08	4.13E-05	1.30E-08	1.23E-09
495863.09, 3865877.25	0.01033	0.0020924	6.60E-07	6.23E-08	3.77E-05	1.19E-08	1.12E-09
496363.09, 3865877.25	0.0094	0.001904	6.01E-07	5.67E-08	3.43E-05	1.08E-08	1.02E-09
496863.09, 3865877.25	0.0088	0.0017825	5.63E-07	5.30E-08	3.21E-05	1.01E-08	9.55E-10
497363.09, 3865877.25	0.01238	0.0025076	7.91E-07	7.46E-08	4.51E-05	1.42E-08	1.34E-09
497863.09, 3865877.25	0.01553	0.0031457	9.93E-07	9.36E-08	5.66E-05	1.79E-08	1.69E-09
498363.09, 3865877.25	0.01454	0.0029451	9.30E-07	8.76E-08	5.30E-05	1.67E-08	1.58E-09
471363.09, 3866377.25	0.00449	0.0009095	2.87E-07	2.71E-08	1.64E-05	5.17E-09	4.87E-10
471863.09, 3866377.25	0.00447	0.0009054	2.86E-07	2.69E-08	1.63E-05	5.14E-09	4.85E-10
472363.09, 3866377.25	0.00467	0.0009459	2.99E-07	2.81E-08	1.70E-05	5.37E-09	5.07E-10
472863.09, 3866377.25	0.00519	0.0010513	3.32E-07	3.13E-08	1.89E-05	5.97E-09	5.63E-10
473363.09, 3866377.25	0.00535	0.0010837	3.42E-07	3.22E-08	1.95E-05	6.16E-09	5.81E-10
473863.09, 3866377.25	0.00556	0.0011262	3.55E-07	3.35E-08	2.03E-05	6.40E-09	6.03E-10
474363.09, 3866377.25	0.00573	0.0011606	3.66E-07	3.45E-08	2.09E-05	6.59E-09	6.22E-10
474863.09, 3866377.25	0.00579	0.0011728	3.70E-07	3.49E-08	2.11E-05	6.66E-09	6.28E-10
475363.09, 3866377.25	0.00591	0.0011971	3.78E-07	3.56E-08	2.16E-05	6.80E-09	6.41E-10
475863.09, 3866377.25	0.00601	0.0012173	3.84E-07	3.62E-08	2.19E-05	6.92E-09	6.52E-10
476363.09, 3866377.25	0.00459	0.0009297	2.93E-07	2.77E-08	1.67E-05	5.28E-09	4.98E-10
476863.09, 3866377.25	0.00264	0.0005347	1.69E-07	1.59E-08	9.63E-06	3.04E-09	2.86E-10
477363.09, 3866377.25	0.0039	0.00079	2.49E-07	2.35E-08	1.42E-05	4.49E-09	4.23E-10
477863.09, 3866377.25	0.00607	0.0012295	3.88E-07	3.66E-08	2.21E-05	6.99E-09	6.59E-10
478363.09, 3866377.25	0.00692	0.0014017	4.42E-07	4.17E-08	2.52E-05	7.96E-09	7.51E-10
478863.09, 3866377.25	0.0074	0.0014989	4.73E-07	4.46E-08	2.70E-05	8.52E-09	8.03E-10
479363.09, 3866377.25	0.00784	0.001588	5.01E-07	4.73E-08	2.86E-05	9.02E-09	8.51E-10
479863.09, 3866377.25	0.00822	0.001665	5.25E-07	4.95E-08	3.00E-05	9.46E-09	8.92E-10
480363.09, 3866377.25	0.00859	0.0017399	5.49E-07	5.18E-08	3.13E-05	9.89E-09	9.32E-10
480863.09, 3866377.25	0.00894	0.0018108	5.72E-07	5.39E-08	3.26E-05	1.03E-08	9.70E-10
481363.09, 3866377.25	0.00921	0.0018655	5.89E-07	5.55E-08	3.36E-05	1.06E-08	9.99E-10
481863.09, 3866377.25	0.00971	0.0019668	6.21E-07	5.85E-08	3.54E-05	1.12E-08	1.05E-09

482363.09, 3866377.25	0.01007	0.0020397	6.44E-07	6.07E-08	3.67E-05	1.16E-08	1.09E-09
482863.09, 3866377.25	0.0105	0.0021268	6.71E-07	6.33E-08	3.83E-05	1.21E-08	1.14E-09
483363.09, 3866377.25	0.011	0.0022281	7.03E-07	6.63E-08	4.01E-05	1.27E-08	1.19E-09
483863.09, 3866377.25	0.01155	0.0023395	7.38E-07	6.96E-08	4.21E-05	1.33E-08	1.25E-09
484363.09, 3866377.25	0.01214	0.002459	7.76E-07	7.32E-08	4.43E-05	1.40E-08	1.32E-09
484863.09, 3866377.25	0.01251	0.0025339	8.00E-07	7.54E-08	4.56E-05	1.44E-08	1.36E-09
485363.09, 3866377.25	0.01332	0.002698	8.52E-07	8.03E-08	4.86E-05	1.53E-08	1.45E-09
485863.09, 3866377.25	0.0138	0.0027952	8.82E-07	8.32E-08	5.03E-05	1.59E-08	1.50E-09
486363.09, 3866377.25	0.01374	0.0027831	8.78E-07	8.28E-08	5.01E-05	1.58E-08	1.49E-09
486863.09, 3866377.25	0.01379	0.0027932	8.82E-07	8.31E-08	5.03E-05	1.59E-08	1.50E-09
487363.09, 3866377.25	0.01272	0.0025765	8.13E-07	7.67E-08	4.64E-05	1.46E-08	1.38E-09
487863.09, 3866377.25	0.01125	0.0022787	7.19E-07	6.78E-08	4.10E-05	1.29E-08	1.22E-09
488363.09, 3866377.25	0.01235	0.0025015	7.90E-07	7.44E-08	4.50E-05	1.42E-08	1.34E-09
488863.09, 3866377.25	0.01	0.0020255	6.39E-07	6.03E-08	3.65E-05	1.15E-08	1.09E-09
489363.09, 3866377.25	0.00892	0.0018068	5.70E-07	5.38E-08	3.25E-05	1.03E-08	9.68E-10
489863.09, 3866377.25	0.00598	0.0012113	3.82E-07	3.60E-08	2.18E-05	6.88E-09	6.49E-10
490363.09, 3866377.25	0.01475	0.0029877	9.43E-07	8.89E-08	5.38E-05	1.70E-08	1.60E-09
490863.09, 3866377.25	0.01743	0.0035305	1.11E-06	1.05E-07	6.36E-05	2.01E-08	1.89E-09
491363.09, 3866377.25	0.01348	0.0027304	8.62E-07	8.13E-08	4.92E-05	1.55E-08	1.46E-09
491863.09, 3866377.25	0.00491	0.0009945	3.14E-07	2.96E-08	1.79E-05	5.65E-09	5.33E-10
492363.09, 3866377.25	0.00602	0.0012194	3.85E-07	3.63E-08	2.20E-05	6.93E-09	6.53E-10
492863.09, 3866377.25	0.00348	0.0007049	2.22E-07	2.10E-08	1.27E-05	4.01E-09	3.78E-10
493363.09, 3866377.25	0.00427	0.0008649	2.73E-07	2.57E-08	1.56E-05	4.91E-09	4.63E-10
493863.09, 3866377.25	0.00529	0.0010715	3.38E-07	3.19E-08	1.93E-05	6.09E-09	5.74E-10
494363.09, 3866377.25	0.00838	0.0016974	5.36E-07	5.05E-08	3.06E-05	9.64E-09	9.09E-10
494863.09, 3866377.25	0.00766	0.0015516	4.90E-07	4.62E-08	2.79E-05	8.82E-09	8.31E-10
495363.09, 3866377.25	0.00622	0.0012599	3.98E-07	3.75E-08	2.27E-05	7.16E-09	6.75E-10
495863.09, 3866377.25	0.00531	0.0010756	3.39E-07	3.20E-08	1.94E-05	6.11E-09	5.76E-10
496363.09, 3866377.25	0.00517	0.0010472	3.31E-07	3.12E-08	1.89E-05	5.95E-09	5.61E-10
496863.09, 3866377.25	0.00501	0.0010148	3.20E-07	3.02E-08	1.83E-05	5.77E-09	5.44E-10
497363.09, 3866377.25	0.0057	0.0011546	3.64E-07	3.44E-08	2.08E-05	6.56E-09	6.19E-10
497863.09, 3866377.25	0.00782	0.001584	5.00E-07	4.71E-08	2.85E-05	9.00E-09	8.49E-10
498363.09, 3866377.25	0.0072	0.0014584	4.60E-07	4.34E-08	2.63E-05	8.29E-09	7.81E-10
474494.92, 3848334.16	0.00138	0.0002795	8.82E-08	8.32E-09	5.03E-06	1.59E-09	1.50E-10
475167.27, 3848920.79	0.00144	0.0002917	9.21E-08	8.68E-09	5.25E-06	1.66E-09	1.56E-10
475297.89, 3848997.96	0.00146	0.0002957	9.33E-08	8.80E-09	5.32E-06	1.68E-09	1.58E-10
475439.05, 3849062	0.00141	0.0002856	9.01E-08	8.50E-09	5.14E-06	1.62E-09	1.53E-10
475486.86, 3849061.09	0.0014	0.0002836	8.95E-08	8.44E-09	5.11E-06	1.61E-09	1.52E-10
475538.46, 3849075.56	0.00142	0.0002876	9.08E-08	8.56E-09	5.18E-06	1.63E-09	1.54E-10
475751.79, 3849137.15	0.00156	0.000316	9.97E-08	9.40E-09	5.69E-06	1.80E-09	1.69E-10
476303.62, 3849223.38	0.00185	0.0003747	1.18E-07	1.12E-08	6.75E-06	2.13E-09	2.01E-10
476304.51, 3849238.92	0.00185	0.0003747	1.18E-07	1.12E-08	6.75E-06	2.13E-09	2.01E-10
476365.04, 3849247.98	0.00189	0.0003828	1.21E-07	1.14E-08	6.89E-06	2.18E-09	2.05E-10
476444.86, 3849267.13	0.00187	0.0003788	1.20E-07	1.13E-08	6.82E-06	2.15E-09	2.03E-10
476550.75, 3849300.66	0.00198	0.0004011	1.27E-07	1.19E-08	7.22E-06	2.28E-09	2.15E-10
476656.71, 3849346.88	0.00203	0.0004112	1.30E-07	1.22E-08	7.40E-06	2.34E-09	2.20E-10
476873.55, 3849454.53	0.00215	0.0004355	1.37E-07	1.30E-08	7.84E-06	2.47E-09	2.33E-10
477700, 3849859.7	0.00254	0.0005145	1.62E-07	1.53E-08	9.26E-06	2.92E-09	2.76E-10
477743.16, 3849856.38	0.00254	0.0005145	1.62E-07	1.53E-08	9.26E-06	2.92E-09	2.76E-10
478477.35, 3850216.33	0.00261	0.0005287	1.67E-07	1.57E-08	9.52E-06	3.00E-09	2.83E-10
478485.8, 3850201.6	0.00261	0.0005287	1.67E-07	1.57E-08	9.52E-06	3.00E-09	2.83E-10
479113.21, 3850501.53	0.0031	0.0006279	1.98E-07	1.87E-08	1.13E-05	3.57E-09	3.36E-10
479108.11, 3850382.28	0.00301	0.0006097	1.92E-07	1.81E-08	1.10E-05	3.46E-09	3.27E-10
479689.85, 3850674.28	0.00292	0.0005915	1.87E-07	1.76E-08	1.06E-05	3.36E-09	3.17E-10
479952.42, 3850774.28	0.00296	0.0005996	1.89E-07	1.78E-08	1.08E-05	3.41E-09	3.21E-10
479911.32, 3850884.85	0.00315	0.000638	2.01E-07	1.90E-08	1.15E-05	3.63E-09	3.42E-10
480500.92, 3851178.12	0.00359	0.0007272	2.30E-07	2.16E-08	1.31E-05	4.13E-09	3.90E-10
480738.01, 3851289.27	0.0037	0.0007494	2.37E-07	2.23E-08	1.35E-05	4.26E-09	4.02E-10
481055.42, 3851443.58	0.0038	0.0007697	2.43E-07	2.29E-08	1.39E-05	4.37E-09	4.12E-10
481110.22, 3851443.15	0.00374	0.0007576	2.39E-07	2.25E-08	1.36E-05	4.30E-09	4.06E-10

481111.1, 3851417.45	0.00367	0.0007434	2.35E-07	2.21E-08	1.34E-05	4.22E-09	3.98E-10
482248.44, 3852605.09	0.00515	0.0010432	3.29E-07	3.10E-08	1.88E-05	5.93E-09	5.59E-10
482273.34, 3852632.31	0.00516	0.0010452	3.30E-07	3.11E-08	1.88E-05	5.94E-09	5.60E-10
482665.46, 3853038.72	0.00536	0.0010857	3.43E-07	3.23E-08	1.95E-05	6.17E-09	5.82E-10
483077.95, 3853844.31	0.00448	0.0009074	2.86E-07	2.70E-08	1.63E-05	5.16E-09	4.86E-10
483121.38, 3853909.38	0.00434	0.0008791	2.77E-07	2.62E-08	1.58E-05	5.00E-09	4.71E-10
483492.64, 3853911.49	0.00424	0.0008588	2.71E-07	2.56E-08	1.55E-05	4.88E-09	4.60E-10
483498.29, 3854204.73	0.00396	0.0008021	2.53E-07	2.39E-08	1.44E-05	4.56E-09	4.30E-10
484132.44, 3854662.55	0.00273	0.000553	1.75E-07	1.65E-08	9.96E-06	3.14E-09	2.96E-10
484627.62, 3854876.13	0.00312	0.000632	1.99E-07	1.88E-08	1.14E-05	3.59E-09	3.39E-10
484756.14, 3854949.04	0.00327	0.0006624	2.09E-07	1.97E-08	1.19E-05	3.76E-09	3.55E-10
486697.51, 3856599.17	0.00512	0.0010371	3.27E-07	3.09E-08	1.87E-05	5.89E-09	5.56E-10
487105.31, 3856962.27	0.00647	0.0013105	4.14E-07	3.90E-08	2.36E-05	7.45E-09	7.02E-10
487157.57, 3856901.7	0.00632	0.0012801	4.04E-07	3.81E-08	2.30E-05	7.27E-09	6.86E-10
487173.5, 3856853.74	0.00617	0.0012498	3.94E-07	3.72E-08	2.25E-05	7.10E-09	6.70E-10
487564.41, 3856860.83	0.00649	0.0013146	4.15E-07	3.91E-08	2.37E-05	7.47E-09	7.04E-10
487563.31, 3856931.58	0.00669	0.0013551	4.28E-07	4.03E-08	2.44E-05	7.70E-09	7.26E-10
487782.7, 3856926.85	0.007	0.0014179	4.48E-07	4.22E-08	2.55E-05	8.06E-09	7.60E-10
487782.39, 3856757.07	0.00672	0.0013612	4.30E-07	4.05E-08	2.45E-05	7.73E-09	7.29E-10
487917.26, 3856752.41	0.00713	0.0014442	4.56E-07	4.30E-08	2.60E-05	8.21E-09	7.74E-10
487919.57, 3856953.35	0.00737	0.0014928	4.71E-07	4.44E-08	2.69E-05	8.48E-09	8.00E-10
487932.76, 3857000.32	0.00742	0.0015029	4.74E-07	4.47E-08	2.71E-05	8.54E-09	8.05E-10
487960.5, 3857044.75	0.00752	0.0015232	4.81E-07	4.53E-08	2.74E-05	8.66E-09	8.16E-10
488016.54, 3857089.54	0.0077	0.0015597	4.92E-07	4.64E-08	2.81E-05	8.86E-09	8.36E-10
488114.39, 3857165.47	0.0081	0.0016407	5.18E-07	4.88E-08	2.95E-05	9.32E-09	8.79E-10
488171.49, 3857234.24	0.00849	0.0017197	5.43E-07	5.12E-08	3.10E-05	9.77E-09	9.21E-10
488193.16, 3857297.8	0.00889	0.0018007	5.68E-07	5.36E-08	3.24E-05	1.02E-08	9.65E-10
488189.27, 3857649.94	0.01069	0.0021653	6.83E-07	6.44E-08	3.90E-05	1.23E-08	1.16E-09
488127.43, 3857732.32	0.01066	0.0021592	6.81E-07	6.43E-08	3.89E-05	1.23E-08	1.16E-09
488149.93, 3857752.94	0.01071	0.0021693	6.85E-07	6.46E-08	3.91E-05	1.23E-08	1.16E-09
488144.76, 3857758.71	0.01069	0.0021653	6.83E-07	6.44E-08	3.90E-05	1.23E-08	1.16E-09
488335.58, 3857932.55	0.01223	0.0024772	7.82E-07	7.37E-08	4.46E-05	1.41E-08	1.33E-09
488372.29, 3857943.79	0.01245	0.0025218	7.96E-07	7.50E-08	4.54E-05	1.43E-08	1.35E-09
488828.64, 3857936.4	0.01355	0.0027446	8.66E-07	8.17E-08	4.94E-05	1.56E-08	1.47E-09
488829.08, 3857959.58	0.01357	0.0027487	8.68E-07	8.18E-08	4.95E-05	1.56E-08	1.47E-09
488351.61, 3857964.55	0.01244	0.0025198	7.95E-07	7.50E-08	4.54E-05	1.43E-08	1.35E-09
488316.87, 3857947.65	0.01221	0.0024732	7.81E-07	7.36E-08	4.45E-05	1.41E-08	1.33E-09
488129.1, 3857775.77	0.01065	0.0021572	6.81E-07	6.42E-08	3.88E-05	1.23E-08	1.16E-09
488062.53, 3857846.13	0.01067	0.0021612	6.82E-07	6.43E-08	3.89E-05	1.23E-08	1.16E-09
488330.41, 3858091.34	0.01234	0.0024995	7.89E-07	7.44E-08	4.50E-05	1.42E-08	1.34E-09
488470.87, 3858174.45	0.01332	0.002698	8.52E-07	8.03E-08	4.86E-05	1.53E-08	1.45E-09
488568.9, 3858262.31	0.01487	0.003012	9.51E-07	8.96E-08	5.42E-05	1.71E-08	1.61E-09
488964.27, 3858025.71	0.0139	0.0028155	8.89E-07	8.38E-08	5.07E-05	1.60E-08	1.51E-09
489147.25, 3857956.64	0.01341	0.0027162	8.57E-07	8.08E-08	4.89E-05	1.54E-08	1.46E-09
489343.52, 3857932.45	0.0129	0.0026129	8.25E-07	7.78E-08	4.70E-05	1.48E-08	1.40E-09
489866.19, 3857923.19	0.01262	0.0025562	8.07E-07	7.61E-08	4.60E-05	1.45E-08	1.37E-09
489955.65, 3857902.27	0.01241	0.0025137	7.93E-07	7.48E-08	4.53E-05	1.43E-08	1.35E-09
490079.44, 3857847.9	0.01273	0.0025785	8.14E-07	7.67E-08	4.64E-05	1.47E-08	1.38E-09
490108.49, 3857934.13	0.01281	0.0025947	8.19E-07	7.72E-08	4.67E-05	1.47E-08	1.39E-09
489884.48, 3858014.17	0.01277	0.0025866	8.16E-07	7.70E-08	4.66E-05	1.47E-08	1.39E-09
489326.56, 3858025.86	0.01339	0.0027122	8.56E-07	8.07E-08	4.88E-05	1.54E-08	1.45E-09
489130.38, 3858056.71	0.01346	0.0027264	8.60E-07	8.11E-08	4.91E-05	1.55E-08	1.46E-09
488936.49, 3858143.93	0.01431	0.0028985	9.15E-07	8.63E-08	5.22E-05	1.65E-08	1.55E-09
488638.08, 3858327.45	0.0151	0.0030586	9.65E-07	9.10E-08	5.51E-05	1.74E-08	1.64E-09
488663.79, 3858349.57	0.01509	0.0030565	9.65E-07	9.10E-08	5.50E-05	1.74E-08	1.64E-09
488694.56, 3858349.5	0.01509	0.0030565	9.65E-07	9.10E-08	5.50E-05	1.74E-08	1.64E-09
488694.35, 3858336.75	0.01508	0.0030545	9.64E-07	9.09E-08	5.50E-05	1.74E-08	1.64E-09
488712.81, 3858336.38	0.01507	0.0030525	9.63E-07	9.08E-08	5.50E-05	1.73E-08	1.64E-09
488713.23, 3858367.46	0.01513	0.0030646	9.67E-07	9.12E-08	5.52E-05	1.74E-08	1.64E-09
488704.63, 3858384.05	0.0152	0.0030788	9.72E-07	9.16E-08	5.54E-05	1.75E-08	1.65E-09

488604.15, 3858488.29	0.01554	0.0031477	9.93E-07	9.37E-08	5.67E-05	1.79E-08	1.69E-09
488605.66, 3858550.47	0.01594	0.0032287	1.02E-06	9.61E-08	5.81E-05	1.83E-08	1.73E-09
488692.68, 3858548.71	0.01594	0.0032287	1.02E-06	9.61E-08	5.81E-05	1.83E-08	1.73E-09
488759.93, 3858461.81	0.01535	0.0031092	9.81E-07	9.25E-08	5.60E-05	1.77E-08	1.67E-09
488816.57, 3858541.79	0.01567	0.003174	1.00E-06	9.45E-08	5.71E-05	1.80E-08	1.70E-09
488944.63, 3858656.77	0.01602	0.0032449	1.02E-06	9.66E-08	5.84E-05	1.84E-08	1.74E-09
489134.91, 3858830.7	0.01671	0.0033847	1.07E-06	1.01E-07	6.09E-05	1.92E-08	1.81E-09
489193.99, 3858886.05	0.01702	0.0034475	1.09E-06	1.03E-07	6.21E-05	1.96E-08	1.85E-09
489295.2, 3858954.34	0.01749	0.0035427	1.12E-06	1.05E-07	6.38E-05	2.01E-08	1.90E-09
489295.64, 3858992.74	0.01792	0.0036298	1.15E-06	1.08E-07	6.53E-05	2.06E-08	1.94E-09
489183.74, 3858911.72	0.01723	0.00349	1.10E-06	1.04E-07	6.28E-05	1.98E-08	1.87E-09
488873.37, 3858625.59	0.01595	0.0032307	1.02E-06	9.61E-08	5.82E-05	1.84E-08	1.73E-09
488842.84, 3858658.69	0.01632	0.0033057	1.04E-06	9.84E-08	5.95E-05	1.88E-08	1.77E-09
488856.39, 3858670.93	0.01627	0.0032955	1.04E-06	9.81E-08	5.93E-05	1.87E-08	1.77E-09
488805.7, 3858724.5	0.01676	0.0033948	1.07E-06	1.01E-07	6.11E-05	1.93E-08	1.82E-09
488805.87, 3858804.16	0.01747	0.0035386	1.12E-06	1.05E-07	6.37E-05	2.01E-08	1.90E-09
488995.78, 3858936.96	0.01821	0.0036885	1.16E-06	1.10E-07	6.64E-05	2.10E-08	1.98E-09
489130.76, 3859017.38	0.01847	0.0037412	1.18E-06	1.11E-07	6.74E-05	2.13E-08	2.00E-09
489130.92, 3859052.24	0.01881	0.00381	1.20E-06	1.13E-07	6.86E-05	2.16E-08	2.04E-09
489200.33, 3859090.6	0.01919	0.003887	1.23E-06	1.16E-07	7.00E-05	2.21E-08	2.08E-09
489296.07, 3859143.7	0.01979	0.0040085	1.27E-06	1.19E-07	7.22E-05	2.28E-08	2.15E-09
489296.43, 3858954.74	0.01749	0.0035427	1.12E-06	1.05E-07	6.38E-05	2.01E-08	1.90E-09
489410.33, 3859033.19	0.01802	0.00365	1.15E-06	1.09E-07	6.57E-05	2.07E-08	1.96E-09
489371.37, 3859089.8	0.01886	0.0038202	1.21E-06	1.14E-07	6.88E-05	2.17E-08	2.05E-09
489390.52, 3859102.82	0.01899	0.0038465	1.21E-06	1.14E-07	6.93E-05	2.19E-08	2.06E-09
489382.3, 3859114.53	0.01911	0.0038708	1.22E-06	1.15E-07	6.97E-05	2.20E-08	2.07E-09
489363.04, 3859102.45	0.01899	0.0038465	1.21E-06	1.14E-07	6.93E-05	2.19E-08	2.06E-09
489337.52, 3859140.71	0.01966	0.0039822	1.26E-06	1.19E-07	7.17E-05	2.26E-08	2.13E-09
489375.14, 3859164.55	0.01987	0.0040247	1.27E-06	1.20E-07	7.25E-05	2.29E-08	2.16E-09
489409.3, 3859114.5	0.0191	0.0038688	1.22E-06	1.15E-07	6.97E-05	2.20E-08	2.07E-09
489434.87, 3859131.81	0.01919	0.003887	1.23E-06	1.16E-07	7.00E-05	2.21E-08	2.08E-09
489471.87, 3859075.75	0.0183	0.0037067	1.17E-06	1.10E-07	6.67E-05	2.11E-08	1.99E-09
489602.62, 3859164.69	0.01911	0.0038708	1.22E-06	1.15E-07	6.97E-05	2.20E-08	2.07E-09
489558.29, 3859232.45	0.02018	0.0040875	1.29E-06	1.22E-07	7.36E-05	2.32E-08	2.19E-09
489620.11, 3859273.56	0.02082	0.0042172	1.33E-06	1.25E-07	7.59E-05	2.40E-08	2.26E-09
489666.06, 3859206.42	0.01966	0.0039822	1.26E-06	1.19E-07	7.17E-05	2.26E-08	2.13E-09
489787.9, 3859285.65	0.02061	0.0041746	1.32E-06	1.24E-07	7.52E-05	2.37E-08	2.24E-09
489752.17, 3859343.13	0.02166	0.0043873	1.38E-06	1.31E-07	7.90E-05	2.49E-08	2.35E-09
489814.94, 3859385.33	0.02224	0.0045048	1.42E-06	1.34E-07	8.11E-05	2.56E-08	2.41E-09
489853.42, 3859330.74	0.02124	0.0043022	1.36E-06	1.28E-07	7.75E-05	2.44E-08	2.30E-09
489969.5, 3859401.91	0.02229	0.0045149	1.42E-06	1.34E-07	8.13E-05	2.57E-08	2.42E-09
490166.91, 3859486.96	0.02434	0.0049302	1.56E-06	1.47E-07	8.88E-05	2.80E-08	2.64E-09
490128.86, 3859571.46	0.02664	0.005396	1.70E-06	1.61E-07	9.71E-05	3.07E-08	2.89E-09
490186.65, 3859593.65	0.02708	0.0054852	1.73E-06	1.63E-07	9.88E-05	3.12E-08	2.94E-09
490223.74, 3859517.48	0.02489	0.0050416	1.59E-06	1.50E-07	9.08E-05	2.86E-08	2.70E-09
490846.34, 3859817.22	0.02732	0.0055338	1.75E-06	1.65E-07	9.96E-05	3.14E-08	2.96E-09
490925.65, 3859844.59	0.0272	0.0055095	1.74E-06	1.64E-07	9.92E-05	3.13E-08	2.95E-09
491159.29, 3859896.28	0.02927	0.0059287	1.87E-06	1.76E-07	1.07E-04	3.37E-08	3.18E-09
491370.69, 3859960.89	0.03653	0.0073993	2.34E-06	2.20E-07	1.33E-04	4.20E-08	3.96E-09
491330.28, 3860063.17	0.04565	0.0092466	2.92E-06	2.75E-07	1.66E-04	5.25E-08	4.95E-09
491636.45, 3860180.75	0.05188	0.0105085	3.32E-06	3.13E-07	1.89E-04	5.97E-08	5.63E-09
491617.94, 3860203.93	0.05394	0.0109257	3.45E-06	3.25E-07	1.97E-04	6.21E-08	5.85E-09
491805.68, 3860271.59	0.06074	0.0123031	3.88E-06	3.66E-07	2.21E-04	6.99E-08	6.59E-09
491654.23, 3860414.02	0.06425	0.0130141	4.11E-06	3.87E-07	2.34E-04	7.39E-08	6.97E-09
491592.62, 3860510.76	0.07174	0.0145312	4.59E-06	4.32E-07	2.62E-04	8.26E-08	7.79E-09
491475.41, 3860368.93	0.06654	0.0134779	4.25E-06	4.01E-07	2.43E-04	7.66E-08	7.22E-09
491445.61, 3860337.28	0.06505	0.0131761	4.16E-06	3.92E-07	2.37E-04	7.49E-08	7.06E-09
491399.05, 3860300.37	0.06179	0.0125158	3.95E-06	3.72E-07	2.25E-04	7.11E-08	6.71E-09
491228.84, 3860235.98	0.05684	0.0115131	3.63E-06	3.43E-07	2.07E-04	6.54E-08	6.17E-09
491228.47, 3860174.57	0.05335	0.0108062	3.41E-06	3.22E-07	1.95E-04	6.14E-08	5.79E-09

491145.77, 3860112.55	0.04764	0.0096497	3.05E-06	2.87E-07	1.74E-04	5.48E-08	5.17E-09
490844.41, 3859966.22	0.03527	0.0071441	2.25E-06	2.13E-07	1.29E-04	4.06E-08	3.83E-09
490845.55, 3859928.15	0.03368	0.006822	2.15E-06	2.03E-07	1.23E-04	3.88E-08	3.65E-09
490046.91, 3859625.6	0.02745	0.0055601	1.75E-06	1.65E-07	1.00E-04	3.16E-08	2.98E-09
489970.48, 3859589.4	0.02634	0.0053353	1.68E-06	1.59E-07	9.61E-05	3.03E-08	2.86E-09
489865.89, 3859529.06	0.02476	0.0050152	1.58E-06	1.49E-07	9.03E-05	2.85E-08	2.69E-09
489826.89, 3859531.74	0.02468	0.004999	1.58E-06	1.49E-07	9.00E-05	2.84E-08	2.68E-09
489410.47, 3859303.06	0.02185	0.0044258	1.40E-06	1.32E-07	7.97E-05	2.51E-08	2.37E-09
489407.15, 3859286.09	0.02162	0.0043792	1.38E-06	1.30E-07	7.88E-05	2.49E-08	2.35E-09
488806.07, 3858963.62	0.01937	0.0039235	1.24E-06	1.17E-07	7.06E-05	2.23E-08	2.10E-09
488817.64, 3859546.3	0.01881	0.00381	1.20E-06	1.13E-07	6.86E-05	2.16E-08	2.04E-09
489187.25, 3859549.52	0.02163	0.0043812	1.38E-06	1.30E-07	7.89E-05	2.49E-08	2.35E-09
489187.66, 3859523.74	0.02193	0.004442	1.40E-06	1.32E-07	8.00E-05	2.52E-08	2.38E-09
489232.59, 3859522.85	0.02213	0.0044825	1.41E-06	1.33E-07	8.07E-05	2.55E-08	2.40E-09
489224.98, 3859759.91	0.0208	0.0042131	1.33E-06	1.25E-07	7.59E-05	2.39E-08	2.26E-09
488401.39, 3859763.34	0.02067	0.0041868	1.32E-06	1.25E-07	7.54E-05	2.38E-08	2.24E-09
488405.51, 3859966.16	0.02227	0.0045109	1.42E-06	1.34E-07	8.12E-05	2.56E-08	2.42E-09
489202.85, 3859956.57	0.02292	0.0046425	1.47E-06	1.38E-07	8.36E-05	2.64E-08	2.49E-09
489191.9, 3860676.74	0.02667	0.0054021	1.70E-06	1.61E-07	9.73E-05	3.07E-08	2.89E-09
488392.82, 3860687.88	0.02082	0.0042172	1.33E-06	1.25E-07	7.59E-05	2.40E-08	2.26E-09
488392.82, 3860760.27	0.02031	0.0041139	1.30E-06	1.22E-07	7.41E-05	2.34E-08	2.20E-09
487549.05, 3860777.45	0.01913	0.0038749	1.22E-06	1.15E-07	6.98E-05	2.20E-08	2.08E-09
487554.62, 3859571.83	0.01805	0.0036561	1.15E-06	1.09E-07	6.58E-05	2.08E-08	1.96E-09
485949.46, 3859558.54	0.01522	0.0030829	9.73E-07	9.17E-08	5.55E-05	1.75E-08	1.65E-09
485947.55, 3857943.61	0.01401	0.0028378	8.96E-07	8.44E-08	5.11E-05	1.61E-08	1.52E-09
484738.38, 3857940.21	0.0103	0.0020863	6.58E-07	6.21E-08	3.76E-05	1.19E-08	1.12E-09
484737.06, 3857535.68	0.01229	0.0024894	7.86E-07	7.41E-08	4.48E-05	1.41E-08	1.33E-09
483730.2, 3857530.13	0.00901	0.001825	5.76E-07	5.43E-08	3.29E-05	1.04E-08	9.78E-10
483727.27, 3857130.01	0.0106	0.0021471	6.78E-07	6.39E-08	3.87E-05	1.22E-08	1.15E-09
483124.42, 3857123.45	0.00928	0.0018797	5.93E-07	5.59E-08	3.38E-05	1.07E-08	1.01E-09
483111.13, 3855921.03	0.00681	0.0013794	4.35E-07	4.10E-08	2.48E-05	7.84E-09	7.39E-10
482701.73, 3855918.24	0.00647	0.0013105	4.14E-07	3.90E-08	2.36E-05	7.45E-09	7.02E-10
482668.02, 3853521.78	0.0051	0.001033	3.26E-07	3.07E-08	1.86E-05	5.87E-09	5.53E-10
482579.91, 3853219.19	0.00531	0.0010756	3.39E-07	3.20E-08	1.94E-05	6.11E-09	5.76E-10
482434.06, 3852961.94	0.00526	0.0010654	3.36E-07	3.17E-08	1.92E-05	6.05E-09	5.71E-10
482332.11, 3852832.85	0.00526	0.0010654	3.36E-07	3.17E-08	1.92E-05	6.05E-09	5.71E-10
481334.99, 3851818.96	0.00438	0.0008872	2.80E-07	2.64E-08	1.60E-05	5.04E-09	4.75E-10
481127.62, 3851646.36	0.00424	0.0008588	2.71E-07	2.56E-08	1.55E-05	4.88E-09	4.60E-10
481025.04, 3851591.73	0.00419	0.0008487	2.68E-07	2.53E-08	1.53E-05	4.82E-09	4.55E-10
480513.6, 3851335.76	0.00392	0.000794	2.51E-07	2.36E-08	1.43E-05	4.51E-09	4.25E-10
480523.56, 3851317.66	0.0039	0.00079	2.49E-07	2.35E-08	1.42E-05	4.49E-09	4.23E-10
476921.56, 3849569.11	0.00226	0.0004578	1.44E-07	1.36E-08	8.24E-06	2.60E-09	2.45E-10
476521.19, 3849373.96	0.00202	0.0004092	1.29E-07	1.22E-08	7.37E-06	2.32E-09	2.19E-10
476391.45, 3849333.38	0.00198	0.0004011	1.27E-07	1.19E-08	7.22E-06	2.28E-09	2.15E-10
476219.41, 3849304.29	0.00191	0.0003869	1.22E-07	1.15E-08	6.97E-06	2.20E-09	2.07E-10
475679.11, 3849218.47	0.00161	0.0003261	1.03E-07	9.70E-09	5.87E-06	1.85E-09	1.75E-10
475677.71, 3849233.88	0.00163	0.0003302	1.04E-07	9.83E-09	5.94E-06	1.88E-09	1.77E-10
475492.74, 3849204.66	0.00126	0.0002552	8.06E-08	7.59E-09	4.59E-06	1.45E-09	1.37E-10
475497.64, 3849158.75	0.00136	0.0002755	8.69E-08	8.20E-09	4.96E-06	1.57E-09	1.48E-10
475391.35, 3849141.94	0.00145	0.0002937	9.27E-08	8.74E-09	5.29E-06	1.67E-09	1.57E-10
475277, 3849095.47	0.00148	0.0002998	9.46E-08	8.92E-09	5.40E-06	1.70E-09	1.61E-10
475183.93, 3849025.66	0.00148	0.0002998	9.46E-08	8.92E-09	5.40E-06	1.70E-09	1.61E-10
474453.23, 3848378.77	0.0014	0.0002836	8.95E-08	8.44E-09	5.11E-06	1.61E-09	1.52E-10
474569.63, 3848399.34	0.00139	0.0002815	8.89E-08	8.38E-09	5.07E-06	1.60E-09	1.51E-10
474644.33, 3848464.52	0.00141	0.0002856	9.01E-08	8.50E-09	5.14E-06	1.62E-09	1.53E-10
474719.04, 3848529.7	0.00142	0.0002876	9.08E-08	8.56E-09	5.18E-06	1.63E-09	1.54E-10
474793.74, 3848594.88	0.0014	0.0002836	8.95E-08	8.44E-09	5.11E-06	1.61E-09	1.52E-10
474868.45, 3848660.07	0.00137	0.0002775	8.76E-08	8.26E-09	5.00E-06	1.58E-09	1.49E-10
474943.15, 3848725.25	0.00136	0.0002755	8.69E-08	8.20E-09	4.96E-06	1.57E-09	1.48E-10
475017.86, 3848790.43	0.00138	0.0002795	8.82E-08	8.32E-09	5.03E-06	1.59E-09	1.50E-10

475092.56, 3848855.61	0.00141	0.0002856	9.01E-08	8.50E-09	5.14E-06	1.62E-09	1.53E-10
475232.58, 3848959.38	0.00145	0.0002937	9.27E-08	8.74E-09	5.29E-06	1.67E-09	1.57E-10
475368.47, 3849029.98	0.00145	0.0002937	9.27E-08	8.74E-09	5.29E-06	1.67E-09	1.57E-10
475609.57, 3849096.09	0.00146	0.0002957	9.33E-08	8.80E-09	5.32E-06	1.68E-09	1.58E-10
475680.68, 3849116.62	0.00153	0.0003099	9.78E-08	9.22E-09	5.58E-06	1.76E-09	1.66E-10
475843.76, 3849151.52	0.00163	0.0003302	1.04E-07	9.83E-09	5.94E-06	1.88E-09	1.77E-10
475935.73, 3849165.89	0.00173	0.0003504	1.11E-07	1.04E-08	6.31E-06	1.99E-09	1.88E-10
476027.71, 3849180.26	0.00181	0.0003666	1.16E-07	1.09E-08	6.60E-06	2.08E-09	1.96E-10
476119.68, 3849194.64	0.00179	0.0003626	1.14E-07	1.08E-08	6.53E-06	2.06E-09	1.94E-10
476211.65, 3849209.01	0.00181	0.0003666	1.16E-07	1.09E-08	6.60E-06	2.08E-09	1.96E-10
476497.8, 3849283.9	0.00194	0.000393	1.24E-07	1.17E-08	7.07E-06	2.23E-09	2.11E-10
476603.73, 3849323.77	0.00201	0.0004071	1.28E-07	1.21E-08	7.33E-06	2.31E-09	2.18E-10
476728.99, 3849382.76	0.00208	0.0004213	1.33E-07	1.25E-08	7.59E-06	2.39E-09	2.26E-10
476801.27, 3849418.65	0.00212	0.0004294	1.36E-07	1.28E-08	7.73E-06	2.44E-09	2.30E-10
476956.2, 3849495.05	0.00221	0.0004476	1.41E-07	1.33E-08	8.06E-06	2.54E-09	2.40E-10
477038.84, 3849535.56	0.00222	0.0004497	1.42E-07	1.34E-08	8.10E-06	2.56E-09	2.41E-10
477121.48, 3849576.08	0.00227	0.0004598	1.45E-07	1.37E-08	8.28E-06	2.61E-09	2.46E-10
477204.13, 3849616.6	0.00222	0.0004497	1.42E-07	1.34E-08	8.10E-06	2.56E-09	2.41E-10
477286.78, 3849657.12	0.00214	0.0004335	1.37E-07	1.29E-08	7.80E-06	2.46E-09	2.32E-10
477369.42, 3849697.63	0.00229	0.0004638	1.46E-07	1.38E-08	8.35E-06	2.64E-09	2.49E-10
477452.07, 3849738.15	0.00236	0.000478	1.51E-07	1.42E-08	8.61E-06	2.72E-09	2.56E-10
477534.71, 3849778.67	0.00247	0.0005003	1.58E-07	1.49E-08	9.01E-06	2.84E-09	2.68E-10
477617.35, 3849819.18	0.00249	0.0005044	1.59E-07	1.50E-08	9.08E-06	2.87E-09	2.70E-10
477824.74, 3849896.37	0.00255	0.0005165	1.63E-07	1.54E-08	9.30E-06	2.93E-09	2.77E-10
477906.31, 3849936.37	0.00249	0.0005044	1.59E-07	1.50E-08	9.08E-06	2.87E-09	2.70E-10
477987.89, 3849976.36	0.00257	0.0005206	1.64E-07	1.55E-08	9.37E-06	2.96E-09	2.79E-10
478069.47, 3850016.36	0.0025	0.0005064	1.60E-07	1.51E-08	9.12E-06	2.88E-09	2.71E-10
478151.04, 3850056.35	0.00244	0.0004942	1.56E-07	1.47E-08	8.90E-06	2.81E-09	2.65E-10
478232.62, 3850096.35	0.00247	0.0005003	1.58E-07	1.49E-08	9.01E-06	2.84E-09	2.68E-10
478314.2, 3850136.34	0.00252	0.0005104	1.61E-07	1.52E-08	9.19E-06	2.90E-09	2.73E-10
478395.77, 3850176.34	0.00256	0.0005185	1.64E-07	1.54E-08	9.34E-06	2.95E-09	2.78E-10
478575.43, 3850244.45	0.00267	0.0005408	1.71E-07	1.61E-08	9.74E-06	3.07E-09	2.90E-10
478665.06, 3850287.29	0.00273	0.000553	1.75E-07	1.65E-08	9.96E-06	3.14E-09	2.96E-10
478754.69, 3850330.14	0.0028	0.0005672	1.79E-07	1.69E-08	1.02E-05	3.22E-09	3.04E-10
478844.32, 3850372.99	0.00289	0.0005854	1.85E-07	1.74E-08	1.05E-05	3.33E-09	3.14E-10
478933.95, 3850415.84	0.003	0.0006077	1.92E-07	1.81E-08	1.09E-05	3.45E-09	3.26E-10
479023.58, 3850458.68	0.003	0.0006077	1.92E-07	1.81E-08	1.09E-05	3.45E-09	3.26E-10
479110.66, 3850441.9	0.00308	0.0006239	1.97E-07	1.86E-08	1.12E-05	3.54E-09	3.34E-10
479191.22, 3850423.99	0.00308	0.0006239	1.97E-07	1.86E-08	1.12E-05	3.54E-09	3.34E-10
479274.32, 3850465.71	0.00309	0.0006259	1.98E-07	1.86E-08	1.13E-05	3.56E-09	3.35E-10
479357.43, 3850507.42	0.00303	0.0006137	1.94E-07	1.83E-08	1.10E-05	3.49E-09	3.29E-10
479440.53, 3850549.14	0.00296	0.0005996	1.89E-07	1.78E-08	1.08E-05	3.41E-09	3.21E-10
479523.64, 3850590.85	0.00292	0.0005915	1.87E-07	1.76E-08	1.06E-05	3.36E-09	3.17E-10
479606.74, 3850632.57	0.00292	0.0005915	1.87E-07	1.76E-08	1.06E-05	3.36E-09	3.17E-10
479777.37, 3850707.61	0.0029	0.0005874	1.85E-07	1.75E-08	1.06E-05	3.34E-09	3.15E-10
479864.9, 3850740.95	0.00293	0.0005935	1.87E-07	1.77E-08	1.07E-05	3.37E-09	3.18E-10
479931.87, 3850829.56	0.00304	0.0006158	1.94E-07	1.83E-08	1.11E-05	3.50E-09	3.30E-10
479995.55, 3850926.75	0.00326	0.0006603	2.08E-07	1.97E-08	1.19E-05	3.75E-09	3.54E-10
480079.78, 3850968.64	0.00336	0.0006806	2.15E-07	2.03E-08	1.23E-05	3.87E-09	3.65E-10
480164.01, 3851010.54	0.00346	0.0007008	2.21E-07	2.09E-08	1.26E-05	3.98E-09	3.75E-10
480248.23, 3851052.43	0.00356	0.0007211	2.28E-07	2.15E-08	1.30E-05	4.10E-09	3.86E-10
480332.46, 3851094.33	0.00361	0.0007312	2.31E-07	2.18E-08	1.32E-05	4.15E-09	3.92E-10
480416.69, 3851136.22	0.00359	0.0007272	2.30E-07	2.16E-08	1.31E-05	4.13E-09	3.90E-10
480579.95, 3851215.17	0.00362	0.0007332	2.31E-07	2.18E-08	1.32E-05	4.17E-09	3.93E-10
480658.98, 3851252.22	0.00365	0.0007393	2.33E-07	2.20E-08	1.33E-05	4.20E-09	3.96E-10
480817.36, 3851327.85	0.00372	0.0007535	2.38E-07	2.24E-08	1.36E-05	4.28E-09	4.04E-10
480896.71, 3851366.42	0.00373	0.0007555	2.38E-07	2.25E-08	1.36E-05	4.29E-09	4.05E-10
480976.07, 3851405	0.00376	0.0007616	2.40E-07	2.27E-08	1.37E-05	4.33E-09	4.08E-10
481178, 3851487.31	0.00379	0.0007677	2.42E-07	2.28E-08	1.38E-05	4.36E-09	4.11E-10
481244.9, 3851557.17	0.00389	0.0007879	2.49E-07	2.34E-08	1.42E-05	4.48E-09	4.22E-10

481311.81, 3851627.03	0.00396	0.0008021	2.53E-07	2.39E-08	1.44E-05	4.56E-09	4.30E-10
481378.71, 3851696.89	0.00402	0.0008143	2.57E-07	2.42E-08	1.47E-05	4.63E-09	4.36E-10
481445.61, 3851766.76	0.00408	0.0008264	2.61E-07	2.46E-08	1.49E-05	4.70E-09	4.43E-10
481512.51, 3851836.62	0.00412	0.0008345	2.63E-07	2.48E-08	1.50E-05	4.74E-09	4.47E-10
481579.42, 3851906.48	0.00415	0.0008406	2.65E-07	2.50E-08	1.51E-05	4.78E-09	4.50E-10
481646.32, 3851976.34	0.0042	0.0008507	2.69E-07	2.53E-08	1.53E-05	4.83E-09	4.56E-10
481713.22, 3852046.2	0.00415	0.0008406	2.65E-07	2.50E-08	1.51E-05	4.78E-09	4.50E-10
481780.12, 3852116.06	0.00424	0.0008588	2.71E-07	2.56E-08	1.55E-05	4.88E-09	4.60E-10
481847.03, 3852185.92	0.00438	0.0008872	2.80E-07	2.64E-08	1.60E-05	5.04E-09	4.75E-10
481913.93, 3852255.78	0.00455	0.0009216	2.91E-07	2.74E-08	1.66E-05	5.24E-09	4.94E-10
481980.83, 3852325.65	0.00476	0.0009642	3.04E-07	2.87E-08	1.74E-05	5.48E-09	5.17E-10
482047.73, 3852395.51	0.00487	0.0009864	3.11E-07	2.94E-08	1.78E-05	5.61E-09	5.28E-10
482114.64, 3852465.37	0.00505	0.0010229	3.23E-07	3.04E-08	1.84E-05	5.81E-09	5.48E-10
482181.54, 3852535.23	0.00507	0.0010269	3.24E-07	3.06E-08	1.85E-05	5.84E-09	5.50E-10
482338.69, 3852700.04	0.00524	0.0010614	3.35E-07	3.16E-08	1.91E-05	6.03E-09	5.69E-10
482404.05, 3852767.78	0.00529	0.0010715	3.38E-07	3.19E-08	1.93E-05	6.09E-09	5.74E-10
482469.4, 3852835.52	0.00534	0.0010816	3.41E-07	3.22E-08	1.95E-05	6.15E-09	5.79E-10
482534.75, 3852903.25	0.00532	0.0010776	3.40E-07	3.21E-08	1.94E-05	6.12E-09	5.77E-10
482600.11, 3852970.99	0.00536	0.0010857	3.43E-07	3.23E-08	1.95E-05	6.17E-09	5.82E-10
482706.71, 3853119.28	0.00529	0.0010715	3.38E-07	3.19E-08	1.93E-05	6.09E-09	5.74E-10
482747.96, 3853199.84	0.00532	0.0010776	3.40E-07	3.21E-08	1.94E-05	6.12E-09	5.77E-10
482789.21, 3853280.4	0.00536	0.0010857	3.43E-07	3.23E-08	1.95E-05	6.17E-09	5.82E-10
482830.46, 3853360.96	0.00534	0.0010816	3.41E-07	3.22E-08	1.95E-05	6.15E-09	5.79E-10
482871.71, 3853441.52	0.0053	0.0010735	3.39E-07	3.19E-08	1.93E-05	6.10E-09	5.75E-10
482912.95, 3853522.07	0.00514	0.0010411	3.29E-07	3.10E-08	1.87E-05	5.92E-09	5.58E-10
482954.2, 3853602.63	0.005	0.0010128	3.20E-07	3.01E-08	1.82E-05	5.75E-09	5.43E-10
482995.45, 3853683.19	0.00484	0.0009804	3.09E-07	2.92E-08	1.76E-05	5.57E-09	5.25E-10
483036.7, 3853763.75	0.00468	0.000948	2.99E-07	2.82E-08	1.71E-05	5.39E-09	5.08E-10
483214.2, 3853909.91	0.00408	0.0008264	2.61E-07	2.46E-08	1.49E-05	4.70E-09	4.43E-10
483307.01, 3853910.44	0.00417	0.0008446	2.67E-07	2.51E-08	1.52E-05	4.80E-09	4.53E-10
483399.83, 3853910.96	0.00419	0.0008487	2.68E-07	2.53E-08	1.53E-05	4.82E-09	4.55E-10
483494.52, 3854009.24	0.00419	0.0008487	2.68E-07	2.53E-08	1.53E-05	4.82E-09	4.55E-10
483496.41, 3854106.98	0.00415	0.0008406	2.65E-07	2.50E-08	1.51E-05	4.78E-09	4.50E-10
483577.56, 3854261.96	0.00377	0.0007636	2.41E-07	2.27E-08	1.37E-05	4.34E-09	4.09E-10
483656.83, 3854319.19	0.00358	0.0007251	2.29E-07	2.16E-08	1.31E-05	4.12E-09	3.88E-10
483736.1, 3854376.41	0.0034	0.0006887	2.17E-07	2.05E-08	1.24E-05	3.91E-09	3.69E-10
483815.36, 3854433.64	0.00325	0.0006583	2.08E-07	1.96E-08	1.19E-05	3.74E-09	3.53E-10
483894.63, 3854490.87	0.0031	0.0006279	1.98E-07	1.87E-08	1.13E-05	3.57E-09	3.36E-10
483973.9, 3854548.09	0.00297	0.0006016	1.90E-07	1.79E-08	1.08E-05	3.42E-09	3.22E-10
484053.17, 3854605.32	0.00291	0.0005894	1.86E-07	1.75E-08	1.06E-05	3.35E-09	3.16E-10
484214.97, 3854698.15	0.00276	0.000559	1.76E-07	1.66E-08	1.01E-05	3.18E-09	3.00E-10
484297.5, 3854733.74	0.00283	0.0005732	1.81E-07	1.71E-08	1.03E-05	3.26E-09	3.07E-10
484380.03, 3854769.34	0.00284	0.0005753	1.82E-07	1.71E-08	1.04E-05	3.27E-09	3.08E-10
484462.56, 3854804.94	0.00302	0.0006117	1.93E-07	1.82E-08	1.10E-05	3.48E-09	3.28E-10
484545.09, 3854840.53	0.00302	0.0006117	1.93E-07	1.82E-08	1.10E-05	3.48E-09	3.28E-10
484691.88, 3854912.58	0.0032	0.0006482	2.05E-07	1.93E-08	1.17E-05	3.68E-09	3.47E-10
484830.81, 3855012.51	0.00325	0.0006583	2.08E-07	1.96E-08	1.19E-05	3.74E-09	3.53E-10
484905.48, 3855075.97	0.00355	0.0007191	2.27E-07	2.14E-08	1.29E-05	4.09E-09	3.85E-10
484980.14, 3855139.44	0.00368	0.0007454	2.35E-07	2.22E-08	1.34E-05	4.24E-09	3.99E-10
485054.81, 3855202.91	0.00374	0.0007576	2.39E-07	2.25E-08	1.36E-05	4.30E-09	4.06E-10
485129.48, 3855266.37	0.00369	0.0007474	2.36E-07	2.22E-08	1.35E-05	4.25E-09	4.00E-10
485204.15, 3855329.84	0.00384	0.0007778	2.45E-07	2.31E-08	1.40E-05	4.42E-09	4.17E-10
485278.82, 3855393.31	0.00389	0.0007879	2.49E-07	2.34E-08	1.42E-05	4.48E-09	4.22E-10
485353.48, 3855456.77	0.00399	0.0008082	2.55E-07	2.41E-08	1.46E-05	4.59E-09	4.33E-10
485428.15, 3855520.24	0.00403	0.0008163	2.58E-07	2.43E-08	1.47E-05	4.64E-09	4.37E-10
485502.82, 3855583.71	0.00409	0.0008284	2.61E-07	2.47E-08	1.49E-05	4.71E-09	4.44E-10
485577.49, 3855647.17	0.00426	0.0008629	2.72E-07	2.57E-08	1.55E-05	4.90E-09	4.62E-10
485652.16, 3855710.64	0.00444	0.0008993	2.84E-07	2.68E-08	1.62E-05	5.11E-09	4.82E-10
485726.83, 3855774.1	0.00451	0.0009135	2.88E-07	2.72E-08	1.64E-05	5.19E-09	4.89E-10
485801.49, 3855837.57	0.00453	0.0009176	2.90E-07	2.73E-08	1.65E-05	5.21E-09	4.92E-10

485876.16, 3855901.04	0.00461	0.0009338	2.95E-07	2.78E-08	1.68E-05	5.31E-09	5.00E-10
485950.83, 3855964.5	0.00464	0.0009398	2.97E-07	2.80E-08	1.69E-05	5.34E-09	5.04E-10
486025.5, 3856027.97	0.0046	0.0009317	2.94E-07	2.77E-08	1.68E-05	5.29E-09	4.99E-10
486100.17, 3856091.44	0.00486	0.0009844	3.11E-07	2.93E-08	1.77E-05	5.59E-09	5.27E-10
486174.83, 3856154.9	0.00479	0.0009702	3.06E-07	2.89E-08	1.75E-05	5.51E-09	5.20E-10
486249.5, 3856218.37	0.00456	0.0009236	2.92E-07	2.75E-08	1.66E-05	5.25E-09	4.95E-10
486324.17, 3856281.84	0.00442	0.0008953	2.83E-07	2.66E-08	1.61E-05	5.09E-09	4.80E-10
486398.84, 3856345.3	0.00455	0.0009216	2.91E-07	2.74E-08	1.66E-05	5.24E-09	4.94E-10
486473.51, 3856408.77	0.00461	0.0009338	2.95E-07	2.78E-08	1.68E-05	5.31E-09	5.00E-10
486548.17, 3856472.24	0.00476	0.0009642	3.04E-07	2.87E-08	1.74E-05	5.48E-09	5.17E-10
486622.84, 3856535.7	0.00493	0.0009986	3.15E-07	2.97E-08	1.80E-05	5.67E-09	5.35E-10
486765.48, 3856659.69	0.00536	0.0010857	3.43E-07	3.23E-08	1.95E-05	6.17E-09	5.82E-10
486833.44, 3856720.2	0.00555	0.0011242	3.55E-07	3.35E-08	2.02E-05	6.39E-09	6.02E-10
486901.41, 3856780.72	0.00579	0.0011728	3.70E-07	3.49E-08	2.11E-05	6.66E-09	6.28E-10
486969.38, 3856841.24	0.00601	0.0012173	3.84E-07	3.62E-08	2.19E-05	6.92E-09	6.52E-10
487037.34, 3856901.75	0.00623	0.0012619	3.98E-07	3.76E-08	2.27E-05	7.17E-09	6.76E-10
487271.23, 3856855.51	0.0062	0.0012558	3.96E-07	3.74E-08	2.26E-05	7.14E-09	6.73E-10
487368.95, 3856857.29	0.00626	0.001268	4.00E-07	3.77E-08	2.28E-05	7.20E-09	6.79E-10
487466.68, 3856859.06	0.00638	0.0012923	4.08E-07	3.85E-08	2.33E-05	7.34E-09	6.92E-10
487636.44, 3856930	0.00675	0.0013672	4.32E-07	4.07E-08	2.46E-05	7.77E-09	7.32E-10
487709.57, 3856928.43	0.00688	0.0013936	4.40E-07	4.15E-08	2.51E-05	7.92E-09	7.47E-10
487782.55, 3856841.96	0.00683	0.0013834	4.37E-07	4.12E-08	2.49E-05	7.86E-09	7.41E-10
487849.83, 3856754.74	0.00689	0.0013956	4.40E-07	4.15E-08	2.51E-05	7.93E-09	7.48E-10
487918.03, 3856819.39	0.0072	0.0014584	4.60E-07	4.34E-08	2.63E-05	8.29E-09	7.81E-10
487918.8, 3856886.37	0.0073	0.0014786	4.67E-07	4.40E-08	2.66E-05	8.40E-09	7.92E-10
488065.46, 3857127.5	0.00792	0.0016042	5.06E-07	4.77E-08	2.89E-05	9.12E-09	8.59E-10
488192.19, 3857385.83	0.00927	0.0018777	5.93E-07	5.59E-08	3.38E-05	1.07E-08	1.01E-09
488191.21, 3857473.87	0.00977	0.0019789	6.25E-07	5.89E-08	3.56E-05	1.12E-08	1.06E-09
488190.24, 3857561.9	0.01026	0.0020782	6.56E-07	6.18E-08	3.74E-05	1.18E-08	1.11E-09
488158.35, 3857691.13	0.01073	0.0021734	6.86E-07	6.47E-08	3.91E-05	1.23E-08	1.16E-09
488208.37, 3857816.66	0.01131	0.0022909	7.23E-07	6.82E-08	4.12E-05	1.30E-08	1.23E-09
488271.97, 3857874.6	0.01172	0.0023739	7.49E-07	7.06E-08	4.27E-05	1.35E-08	1.27E-09
488463.56, 3857942.31	0.01277	0.0025866	8.16E-07	7.70E-08	4.66E-05	1.47E-08	1.39E-09
488554.83, 3857940.83	0.01304	0.0026413	8.34E-07	7.86E-08	4.76E-05	1.50E-08	1.42E-09
488646.1, 3857939.36	0.01326	0.0026859	8.48E-07	7.99E-08	4.84E-05	1.53E-08	1.44E-09
488737.37, 3857937.88	0.01341	0.0027162	8.57E-07	8.08E-08	4.89E-05	1.54E-08	1.46E-09
488733.59, 3857960.57	0.01343	0.0027203	8.59E-07	8.10E-08	4.90E-05	1.55E-08	1.46E-09
488638.09, 3857961.57	0.01329	0.0026919	8.50E-07	8.01E-08	4.85E-05	1.53E-08	1.44E-09
488542.6, 3857962.56	0.0131	0.0026535	8.37E-07	7.90E-08	4.78E-05	1.51E-08	1.42E-09
488447.1, 3857963.56	0.0128	0.0025927	8.18E-07	7.72E-08	4.67E-05	1.47E-08	1.39E-09
488254.28, 3857890.36	0.01173	0.002376	7.50E-07	7.07E-08	4.28E-05	1.35E-08	1.27E-09
488191.69, 3857833.06	0.01127	0.0022828	7.20E-07	6.79E-08	4.11E-05	1.30E-08	1.22E-09
488129.5, 3857907.43	0.01137	0.002303	7.27E-07	6.85E-08	4.15E-05	1.31E-08	1.23E-09
488196.47, 3857968.73	0.01178	0.0023861	7.53E-07	7.10E-08	4.30E-05	1.36E-08	1.28E-09
488263.44, 3858030.04	0.01211	0.0024529	7.74E-07	7.30E-08	4.42E-05	1.39E-08	1.31E-09
488400.64, 3858132.9	0.01282	0.0025967	8.20E-07	7.73E-08	4.68E-05	1.48E-08	1.39E-09
488519.89, 3858218.38	0.01434	0.0029046	9.17E-07	8.64E-08	5.23E-05	1.65E-08	1.56E-09
488647.97, 3858214.99	0.01474	0.0029856	9.42E-07	8.88E-08	5.38E-05	1.70E-08	1.60E-09
488727.05, 3858167.67	0.01465	0.0029674	9.37E-07	8.83E-08	5.34E-05	1.69E-08	1.59E-09
488806.12, 3858120.35	0.01441	0.0029188	9.21E-07	8.69E-08	5.25E-05	1.66E-08	1.56E-09
488885.2, 3858073.03	0.01416	0.0028682	9.05E-07	8.54E-08	5.16E-05	1.63E-08	1.54E-09
489055.76, 3857991.17	0.01366	0.0027669	8.73E-07	8.23E-08	4.98E-05	1.57E-08	1.48E-09
489245.39, 3857944.54	0.01296	0.0026251	8.29E-07	7.81E-08	4.73E-05	1.49E-08	1.41E-09
489430.63, 3857930.91	0.01273	0.0025785	8.14E-07	7.67E-08	4.64E-05	1.47E-08	1.38E-09
489517.74, 3857929.36	0.01264	0.0025603	8.08E-07	7.62E-08	4.61E-05	1.45E-08	1.37E-09
489604.85, 3857927.82	0.0125	0.0025319	7.99E-07	7.53E-08	4.56E-05	1.44E-08	1.36E-09
489691.97, 3857926.28	0.01254	0.00254	8.02E-07	7.56E-08	4.57E-05	1.44E-08	1.36E-09
489779.08, 3857924.73	0.01257	0.0025461	8.04E-07	7.58E-08	4.58E-05	1.45E-08	1.36E-09
490017.55, 3857875.08	0.01235	0.0025015	7.90E-07	7.44E-08	4.50E-05	1.42E-08	1.34E-09
490033.82, 3857960.81	0.01283	0.0025988	8.20E-07	7.73E-08	4.68E-05	1.48E-08	1.39E-09

489959.15, 3857987.49	0.01272	0.0025765	8.13E-07	7.67E-08	4.64E-05	1.46E-08	1.38E-09
489791.49, 3858016.12	0.01267	0.0025664	8.10E-07	7.64E-08	4.62E-05	1.46E-08	1.37E-09
489698.51, 3858018.07	0.01273	0.0025785	8.14E-07	7.67E-08	4.64E-05	1.47E-08	1.38E-09
489605.52, 3858020.01	0.01285	0.0026028	8.21E-07	7.75E-08	4.69E-05	1.48E-08	1.39E-09
489512.53, 3858021.96	0.01303	0.0026393	8.33E-07	7.85E-08	4.75E-05	1.50E-08	1.41E-09
489419.55, 3858023.91	0.01331	0.002696	8.51E-07	8.02E-08	4.85E-05	1.53E-08	1.44E-09
489228.47, 3858041.29	0.01318	0.0026697	8.43E-07	7.94E-08	4.81E-05	1.52E-08	1.43E-09
489065.75, 3858085.78	0.01384	0.0028033	8.85E-07	8.34E-08	5.05E-05	1.59E-08	1.50E-09
489001.12, 3858114.86	0.01403	0.0028418	8.97E-07	8.46E-08	5.12E-05	1.61E-08	1.52E-09
488861.89, 3858189.81	0.0143	0.0028965	9.14E-07	8.62E-08	5.21E-05	1.65E-08	1.55E-09
488787.29, 3858235.69	0.01481	0.0029998	9.47E-07	8.93E-08	5.40E-05	1.70E-08	1.61E-09
488712.68, 3858281.57	0.01465	0.0029674	9.37E-07	8.83E-08	5.34E-05	1.69E-08	1.59E-09
488654.39, 3858436.17	0.01532	0.0031031	9.79E-07	9.23E-08	5.59E-05	1.76E-08	1.66E-09
488726.3, 3858505.26	0.0156	0.0031598	9.97E-07	9.40E-08	5.69E-05	1.80E-08	1.69E-09
488880.6, 3858599.28	0.01586	0.0032125	1.01E-06	9.56E-08	5.78E-05	1.83E-08	1.72E-09
489008.06, 3858714.75	0.01626	0.0032935	1.04E-06	9.80E-08	5.93E-05	1.87E-08	1.76E-09
489071.48, 3858772.72	0.01641	0.0033239	1.05E-06	9.89E-08	5.98E-05	1.89E-08	1.78E-09
489244.59, 3858920.19	0.01718	0.0034799	1.10E-06	1.04E-07	6.26E-05	1.98E-08	1.86E-09
489239.69, 3858952.23	0.01752	0.0035487	1.12E-06	1.06E-07	6.39E-05	2.02E-08	1.90E-09
489121.67, 3858854.49	0.01695	0.0034333	1.08E-06	1.02E-07	6.18E-05	1.95E-08	1.84E-09
489059.59, 3858797.27	0.01665	0.0033725	1.06E-06	1.00E-07	6.07E-05	1.92E-08	1.81E-09
488997.52, 3858740.04	0.01629	0.0032996	1.04E-06	9.82E-08	5.94E-05	1.87E-08	1.77E-09
488935.44, 3858682.82	0.01615	0.0032712	1.03E-06	9.73E-08	5.89E-05	1.86E-08	1.75E-09
488869.17, 3858848.43	0.0177	0.0035852	1.13E-06	1.07E-07	6.45E-05	2.04E-08	1.92E-09
488932.48, 3858892.69	0.01807	0.0036601	1.16E-06	1.09E-07	6.59E-05	2.08E-08	1.96E-09
489063.27, 3858977.17	0.01837	0.0037209	1.17E-06	1.11E-07	6.70E-05	2.11E-08	1.99E-09
489248.2, 3859117.15	0.01936	0.0039214	1.24E-06	1.17E-07	7.06E-05	2.23E-08	2.10E-09
489296.25, 3859049.22	0.01857	0.0037614	1.19E-06	1.12E-07	6.77E-05	2.14E-08	2.02E-09
489353.38, 3858993.96	0.01773	0.0035913	1.13E-06	1.07E-07	6.47E-05	2.04E-08	1.92E-09
489537.24, 3859120.22	0.01857	0.0037614	1.19E-06	1.12E-07	6.77E-05	2.14E-08	2.02E-09
489726.98, 3859246.04	0.02012	0.0040754	1.29E-06	1.21E-07	7.34E-05	2.32E-08	2.18E-09
489911.46, 3859366.33	0.02109	0.0042719	1.35E-06	1.27E-07	7.69E-05	2.43E-08	2.29E-09
490035.3, 3859430.26	0.02326	0.0047114	1.49E-06	1.40E-07	8.48E-05	2.68E-08	2.52E-09
490101.11, 3859458.61	0.02376	0.0048127	1.52E-06	1.43E-07	8.66E-05	2.73E-08	2.58E-09
490312.68, 3859560.3	0.02576	0.0052178	1.65E-06	1.55E-07	9.39E-05	2.96E-08	2.80E-09
490401.63, 3859603.12	0.02632	0.0053312	1.68E-06	1.59E-07	9.60E-05	3.03E-08	2.86E-09
490490.57, 3859645.94	0.02672	0.0054122	1.71E-06	1.61E-07	9.74E-05	3.08E-08	2.90E-09
490579.51, 3859688.76	0.02674	0.0054163	1.71E-06	1.61E-07	9.75E-05	3.08E-08	2.90E-09
490668.45, 3859731.58	0.02596	0.0052583	1.66E-06	1.56E-07	9.47E-05	2.99E-08	2.82E-09
490757.4, 3859774.4	0.02728	0.0055257	1.74E-06	1.64E-07	9.95E-05	3.14E-08	2.96E-09
491003.53, 3859861.82	0.02755	0.0055804	1.76E-06	1.66E-07	1.00E-04	3.17E-08	2.99E-09
491081.41, 3859879.05	0.02862	0.0057971	1.83E-06	1.73E-07	1.04E-04	3.29E-08	3.11E-09
491229.76, 3859917.82	0.03149	0.0063784	2.01E-06	1.90E-07	1.15E-04	3.62E-08	3.42E-09
491300.22, 3859939.35	0.0338	0.0068463	2.16E-06	2.04E-07	1.23E-04	3.89E-08	3.67E-09
491350.48, 3860012.03	0.04134	0.0083736	2.64E-06	2.49E-07	1.51E-04	4.76E-08	4.49E-09
491406.82, 3860092.56	0.04891	0.0099069	3.13E-06	2.95E-07	1.78E-04	5.63E-08	5.31E-09
491483.36, 3860121.96	0.04955	0.0100365	3.17E-06	2.99E-07	1.81E-04	5.70E-08	5.38E-09
491559.91, 3860151.35	0.05194	0.0105206	3.32E-06	3.13E-07	1.89E-04	5.98E-08	5.64E-09
491711.81, 3860237.76	0.04065	0.0082338	2.60E-06	2.45E-07	1.48E-04	4.68E-08	4.41E-09
491755.2, 3860319.07	0.06928	0.0140329	4.43E-06	4.18E-07	2.53E-04	7.97E-08	7.52E-09
491704.71, 3860366.54	0.06905	0.0139863	4.41E-06	4.16E-07	2.52E-04	7.95E-08	7.49E-09
491623.42, 3860462.39	0.0706	0.0143003	4.51E-06	4.26E-07	2.57E-04	8.13E-08	7.66E-09
491534.02, 3860439.84	0.04399	0.0089103	2.81E-06	2.65E-07	1.60E-04	5.06E-08	4.77E-09
491313.95, 3860268.17	0.06057	0.0122687	3.87E-06	3.65E-07	2.21E-04	6.97E-08	6.57E-09
491187.12, 3860143.56	0.04999	0.0101257	3.20E-06	3.01E-07	1.82E-04	5.75E-08	5.42E-09
491070.43, 3860075.97	0.04334	0.0087787	2.77E-06	2.61E-07	1.58E-04	4.99E-08	4.70E-09
490995.09, 3860039.38	0.04093	0.0082905	2.62E-06	2.47E-07	1.49E-04	4.71E-08	4.44E-09
490919.75, 3860002.8	0.03956	0.008013	2.53E-06	2.38E-07	1.44E-04	4.55E-08	4.29E-09
490756.81, 3859894.53	0.03269	0.0066215	2.09E-06	1.97E-07	1.19E-04	3.76E-08	3.55E-09
490668.07, 3859860.92	0.03291	0.006666	2.10E-06	1.98E-07	1.20E-04	3.79E-08	3.57E-09

490579.34, 3859827.3	0.03192	0.0064655	2.04E-06	1.92E-07	1.16E-04	3.67E-08	3.46E-09
490490.6, 3859793.68	0.03214	0.0065101	2.05E-06	1.94E-07	1.17E-04	3.70E-08	3.49E-09
490401.86, 3859760.07	0.03201	0.0064837	2.05E-06	1.93E-07	1.17E-04	3.68E-08	3.47E-09
490313.12, 3859726.45	0.03114	0.0063075	1.99E-06	1.88E-07	1.14E-04	3.58E-08	3.38E-09
490224.39, 3859692.83	0.02999	0.0060746	1.92E-06	1.81E-07	1.09E-04	3.45E-08	3.25E-09
490135.65, 3859659.22	0.02846	0.0057647	1.82E-06	1.72E-07	1.04E-04	3.28E-08	3.09E-09
489918.18, 3859559.23	0.02536	0.0051368	1.62E-06	1.53E-07	9.25E-05	2.92E-08	2.75E-09
489743.61, 3859486	0.02402	0.0048653	1.54E-06	1.45E-07	8.76E-05	2.76E-08	2.61E-09
489660.32, 3859440.27	0.02348	0.004756	1.50E-06	1.42E-07	8.56E-05	2.70E-08	2.55E-09
489577.04, 3859394.53	0.02287	0.0046324	1.46E-06	1.38E-07	8.34E-05	2.63E-08	2.48E-09
489493.75, 3859348.8	0.02245	0.0045473	1.44E-06	1.35E-07	8.19E-05	2.58E-08	2.44E-09
489321.28, 3859240.02	0.02126	0.0043063	1.36E-06	1.28E-07	7.75E-05	2.45E-08	2.31E-09
489235.41, 3859193.96	0.02047	0.0041463	1.31E-06	1.23E-07	7.46E-05	2.36E-08	2.22E-09
489149.54, 3859147.89	0.02059	0.0041706	1.32E-06	1.24E-07	7.51E-05	2.37E-08	2.23E-09
489063.68, 3859101.82	0.02007	0.0040653	1.28E-06	1.21E-07	7.32E-05	2.31E-08	2.18E-09
488977.81, 3859055.75	0.01951	0.0039518	1.25E-06	1.18E-07	7.11E-05	2.25E-08	2.12E-09
488891.94, 3859009.69	0.01966	0.0039822	1.26E-06	1.19E-07	7.17E-05	2.26E-08	2.13E-09
488808, 3859060.73	0.02046	0.0041442	1.31E-06	1.23E-07	7.46E-05	2.35E-08	2.22E-09
488809.93, 3859157.85	0.02134	0.0043225	1.36E-06	1.29E-07	7.78E-05	2.46E-08	2.32E-09
488811.85, 3859254.96	0.02169	0.0043934	1.39E-06	1.31E-07	7.91E-05	2.50E-08	2.35E-09
488813.78, 3859352.07	0.02121	0.0042962	1.36E-06	1.28E-07	7.73E-05	2.44E-08	2.30E-09
488815.71, 3859449.19	0.01986	0.0040227	1.27E-06	1.20E-07	7.24E-05	2.29E-08	2.16E-09
488910.04, 3859547.1	0.01959	0.003968	1.25E-06	1.18E-07	7.14E-05	2.25E-08	2.13E-09
489002.45, 3859547.91	0.02023	0.0040977	1.29E-06	1.22E-07	7.38E-05	2.33E-08	2.20E-09
489094.85, 3859548.71	0.02082	0.0042172	1.33E-06	1.25E-07	7.59E-05	2.40E-08	2.26E-09
489230.05, 3859601.87	0.02148	0.0043509	1.37E-06	1.29E-07	7.83E-05	2.47E-08	2.33E-09
489227.52, 3859680.89	0.02072	0.0041969	1.32E-06	1.25E-07	7.56E-05	2.38E-08	2.25E-09
489133.47, 3859760.29	0.02053	0.0041584	1.31E-06	1.24E-07	7.49E-05	2.36E-08	2.23E-09
489041.96, 3859760.67	0.0204	0.0041321	1.30E-06	1.23E-07	7.44E-05	2.35E-08	2.21E-09
488950.45, 3859761.05	0.02042	0.0041361	1.31E-06	1.23E-07	7.45E-05	2.35E-08	2.22E-09
488858.94, 3859761.43	0.0203	0.0041118	1.30E-06	1.22E-07	7.40E-05	2.34E-08	2.20E-09
488767.43, 3859761.82	0.02055	0.0041625	1.31E-06	1.24E-07	7.49E-05	2.37E-08	2.23E-09
488675.92, 3859762.2	0.02045	0.0041422	1.31E-06	1.23E-07	7.46E-05	2.35E-08	2.22E-09
488584.41, 3859762.58	0.02059	0.0041706	1.32E-06	1.24E-07	7.51E-05	2.37E-08	2.23E-09
488492.9, 3859762.96	0.02056	0.0041645	1.31E-06	1.24E-07	7.50E-05	2.37E-08	2.23E-09
488402.76, 3859830.95	0.021	0.0042536	1.34E-06	1.27E-07	7.66E-05	2.42E-08	2.28E-09
488404.14, 3859898.55	0.02182	0.0044197	1.39E-06	1.32E-07	7.96E-05	2.51E-08	2.37E-09
488505.18, 3859964.96	0.02247	0.0045514	1.44E-06	1.35E-07	8.19E-05	2.59E-08	2.44E-09
488604.84, 3859963.76	0.02262	0.0045818	1.45E-06	1.36E-07	8.25E-05	2.60E-08	2.45E-09
488704.51, 3859962.56	0.02267	0.0045919	1.45E-06	1.37E-07	8.27E-05	2.61E-08	2.46E-09
488804.18, 3859961.37	0.02265	0.0045878	1.45E-06	1.37E-07	8.26E-05	2.61E-08	2.46E-09
488903.85, 3859960.17	0.02262	0.0045818	1.45E-06	1.36E-07	8.25E-05	2.60E-08	2.45E-09
489003.52, 3859958.97	0.02278	0.0046142	1.46E-06	1.37E-07	8.31E-05	2.62E-08	2.47E-09
489103.18, 3859957.77	0.02295	0.0046486	1.47E-06	1.38E-07	8.37E-05	2.64E-08	2.49E-09
489201.48, 3860046.59	0.02401	0.0048633	1.53E-06	1.45E-07	8.76E-05	2.76E-08	2.61E-09
489200.11, 3860136.61	0.02519	0.0051023	1.61E-06	1.52E-07	9.19E-05	2.90E-08	2.73E-09
489198.74, 3860226.63	0.02602	0.0052704	1.66E-06	1.57E-07	9.49E-05	2.99E-08	2.82E-09
489197.38, 3860316.66	0.0267	0.0054082	1.71E-06	1.61E-07	9.74E-05	3.07E-08	2.90E-09
489196.01, 3860406.68	0.02683	0.0054345	1.72E-06	1.62E-07	9.78E-05	3.09E-08	2.91E-09
489194.64, 3860496.7	0.02744	0.0055581	1.75E-06	1.65E-07	1.00E-04	3.16E-08	2.98E-09
489193.27, 3860586.72	0.02712	0.0054933	1.73E-06	1.63E-07	9.89E-05	3.12E-08	2.94E-09
489092.02, 3860678.13	0.02616	0.0052988	1.67E-06	1.58E-07	9.54E-05	3.01E-08	2.84E-09
488992.13, 3860679.53	0.0256	0.0051854	1.64E-06	1.54E-07	9.34E-05	2.95E-08	2.78E-09
488892.24, 3860680.92	0.02486	0.0050355	1.59E-06	1.50E-07	9.07E-05	2.86E-08	2.70E-09
488792.36, 3860682.31	0.0243	0.0049221	1.55E-06	1.46E-07	8.86E-05	2.80E-08	2.64E-09
488692.48, 3860683.7	0.02355	0.0047701	1.51E-06	1.42E-07	8.59E-05	2.71E-08	2.56E-09
488592.59, 3860685.09	0.02333	0.0047256	1.49E-06	1.41E-07	8.51E-05	2.69E-08	2.53E-09
488492.71, 3860686.49	0.02226	0.0045088	1.42E-06	1.34E-07	8.12E-05	2.56E-08	2.42E-09
488299.07, 3860762.18	0.01964	0.0039782	1.26E-06	1.18E-07	7.16E-05	2.26E-08	2.13E-09
488205.32, 3860764.09	0.01996	0.004043	1.28E-06	1.20E-07	7.28E-05	2.30E-08	2.17E-09

488111.56, 3860766	0.02043	0.0041382	1.31E-06	1.23E-07	7.45E-05	2.35E-08	2.22E-09
488017.81, 3860767.91	0.02075	0.004203	1.33E-06	1.25E-07	7.57E-05	2.39E-08	2.25E-09
487924.06, 3860769.81	0.02076	0.004205	1.33E-06	1.25E-07	7.57E-05	2.39E-08	2.25E-09
487830.31, 3860771.72	0.02061	0.0041746	1.32E-06	1.24E-07	7.52E-05	2.37E-08	2.24E-09
487736.55, 3860773.63	0.02032	0.0041159	1.30E-06	1.22E-07	7.41E-05	2.34E-08	2.21E-09
487642.8, 3860775.54	0.01985	0.0040207	1.27E-06	1.20E-07	7.24E-05	2.28E-08	2.15E-09
487549.48, 3860684.71	0.01888	0.0038242	1.21E-06	1.14E-07	6.88E-05	2.17E-08	2.05E-09
487549.91, 3860591.97	0.01886	0.0038202	1.21E-06	1.14E-07	6.88E-05	2.17E-08	2.05E-09
487550.34, 3860499.23	0.01889	0.0038262	1.21E-06	1.14E-07	6.89E-05	2.17E-08	2.05E-09
487550.76, 3860406.49	0.0192	0.003889	1.23E-06	1.16E-07	7.00E-05	2.21E-08	2.08E-09
487551.19, 3860313.75	0.01981	0.0040126	1.27E-06	1.19E-07	7.22E-05	2.28E-08	2.15E-09
487551.62, 3860221.01	0.02019	0.0040896	1.29E-06	1.22E-07	7.36E-05	2.32E-08	2.19E-09
487552.05, 3860128.27	0.02009	0.0040693	1.28E-06	1.21E-07	7.33E-05	2.31E-08	2.18E-09
487552.48, 3860035.53	0.02001	0.0040531	1.28E-06	1.21E-07	7.30E-05	2.30E-08	2.17E-09
487552.91, 3859942.79	0.02024	0.0040997	1.29E-06	1.22E-07	7.38E-05	2.33E-08	2.20E-09
487553.33, 3859850.05	0.01973	0.0039964	1.26E-06	1.19E-07	7.19E-05	2.27E-08	2.14E-09
487553.76, 3859757.31	0.01932	0.0039133	1.24E-06	1.16E-07	7.05E-05	2.22E-08	2.10E-09
487554.19, 3859664.57	0.01884	0.0038161	1.20E-06	1.14E-07	6.87E-05	2.17E-08	2.04E-09
487460.2, 3859571.05	0.01826	0.0036986	1.17E-06	1.10E-07	6.66E-05	2.10E-08	1.98E-09
487365.78, 3859570.27	0.01803	0.003652	1.15E-06	1.09E-07	6.57E-05	2.08E-08	1.96E-09
487271.36, 3859569.48	0.01785	0.0036156	1.14E-06	1.08E-07	6.51E-05	2.05E-08	1.94E-09
487176.94, 3859568.7	0.01767	0.0035791	1.13E-06	1.07E-07	6.44E-05	2.03E-08	1.92E-09
487082.51, 3859567.92	0.01744	0.0035325	1.11E-06	1.05E-07	6.36E-05	2.01E-08	1.89E-09
486988.09, 3859567.14	0.01724	0.003492	1.10E-06	1.04E-07	6.29E-05	1.98E-08	1.87E-09
486893.67, 3859566.36	0.01704	0.0034515	1.09E-06	1.03E-07	6.21E-05	1.96E-08	1.85E-09
486799.25, 3859565.58	0.01686	0.0034151	1.08E-06	1.02E-07	6.15E-05	1.94E-08	1.83E-09
486704.83, 3859564.79	0.01667	0.0033766	1.07E-06	1.00E-07	6.08E-05	1.92E-08	1.81E-09
486610.41, 3859564.01	0.01647	0.0033361	1.05E-06	9.93E-08	6.01E-05	1.90E-08	1.79E-09
486515.99, 3859563.23	0.01637	0.0033158	1.05E-06	9.87E-08	5.97E-05	1.88E-08	1.78E-09
486421.57, 3859562.45	0.0162	0.0032814	1.04E-06	9.76E-08	5.91E-05	1.86E-08	1.76E-09
486327.14, 3859561.67	0.01595	0.0032307	1.02E-06	9.61E-08	5.82E-05	1.84E-08	1.73E-09
486232.72, 3859560.89	0.01581	0.0032024	1.01E-06	9.53E-08	5.77E-05	1.82E-08	1.72E-09
486138.3, 3859560.1	0.01561	0.0031619	9.98E-07	9.41E-08	5.69E-05	1.80E-08	1.69E-09
486043.88, 3859559.32	0.01542	0.0031234	9.86E-07	9.29E-08	5.62E-05	1.77E-08	1.67E-09
485949.35, 3859463.54	0.015	0.0030383	9.59E-07	9.04E-08	5.47E-05	1.73E-08	1.63E-09
485949.24, 3859368.55	0.01466	0.0029694	9.37E-07	8.84E-08	5.35E-05	1.69E-08	1.59E-09
485949.12, 3859273.55	0.01424	0.0028844	9.10E-07	8.58E-08	5.19E-05	1.64E-08	1.55E-09
485949.01, 3859178.56	0.01386	0.0028074	8.86E-07	8.35E-08	5.05E-05	1.60E-08	1.50E-09
485948.9, 3859083.56	0.01344	0.0027223	8.59E-07	8.10E-08	4.90E-05	1.55E-08	1.46E-09
485948.79, 3858988.56	0.01312	0.0026575	8.39E-07	7.91E-08	4.78E-05	1.51E-08	1.42E-09
485948.67, 3858893.57	0.01275	0.0025826	8.15E-07	7.69E-08	4.65E-05	1.47E-08	1.38E-09
485948.56, 3858798.57	0.01212	0.0024549	7.75E-07	7.31E-08	4.42E-05	1.39E-08	1.32E-09
485948.45, 3858703.58	0.01179	0.0023881	7.54E-07	7.11E-08	4.30E-05	1.36E-08	1.28E-09
485948.34, 3858608.58	0.01156	0.0023415	7.39E-07	6.97E-08	4.22E-05	1.33E-08	1.25E-09
485948.22, 3858513.59	0.01182	0.0023942	7.56E-07	7.12E-08	4.31E-05	1.36E-08	1.28E-09
485948.11, 3858418.59	0.01257	0.0025461	8.04E-07	7.58E-08	4.58E-05	1.45E-08	1.36E-09
485948, 3858323.59	0.01336	0.0027061	8.54E-07	8.05E-08	4.87E-05	1.54E-08	1.45E-09
485947.89, 3858228.6	0.01422	0.0028803	9.09E-07	8.57E-08	5.19E-05	1.64E-08	1.54E-09
485947.77, 3858133.6	0.01478	0.0029937	9.45E-07	8.91E-08	5.39E-05	1.70E-08	1.60E-09
485947.66, 3858038.61	0.01464	0.0029654	9.36E-07	8.82E-08	5.34E-05	1.68E-08	1.59E-09
485854.54, 3857943.35	0.01449	0.002935	9.26E-07	8.73E-08	5.28E-05	1.67E-08	1.57E-09
485761.52, 3857943.09	0.01441	0.0029188	9.21E-07	8.69E-08	5.25E-05	1.66E-08	1.56E-09
485668.51, 3857942.83	0.01418	0.0028722	9.07E-07	8.55E-08	5.17E-05	1.63E-08	1.54E-09
485575.5, 3857942.56	0.01402	0.0028398	8.96E-07	8.45E-08	5.11E-05	1.61E-08	1.52E-09
485482.48, 3857942.3	0.01371	0.002777	8.76E-07	8.26E-08	5.00E-05	1.58E-08	1.49E-09
485389.47, 3857942.04	0.01336	0.0027061	8.54E-07	8.05E-08	4.87E-05	1.54E-08	1.45E-09
485296.46, 3857941.78	0.01298	0.0026291	8.30E-07	7.82E-08	4.73E-05	1.49E-08	1.41E-09
485203.45, 3857941.52	0.01247	0.0025258	7.97E-07	7.52E-08	4.55E-05	1.44E-08	1.35E-09
485110.43, 3857941.26	0.01206	0.0024428	7.71E-07	7.27E-08	4.40E-05	1.39E-08	1.31E-09
485017.42, 3857940.99	0.01168	0.0023658	7.47E-07	7.04E-08	4.26E-05	1.34E-08	1.27E-09

484924.41, 3857940.73	0.01128	0.0022848	7.21E-07	6.80E-08	4.11E-05	1.30E-08	1.22E-09
484831.39, 3857940.47	0.01083	0.0021937	6.92E-07	6.53E-08	3.95E-05	1.25E-08	1.18E-09
484738.12, 3857859.3	0.01107	0.0022423	7.08E-07	6.67E-08	4.04E-05	1.27E-08	1.20E-09
484737.85, 3857778.4	0.0116	0.0023496	7.42E-07	6.99E-08	4.23E-05	1.34E-08	1.26E-09
484737.59, 3857697.49	0.01201	0.0024327	7.68E-07	7.24E-08	4.38E-05	1.38E-08	1.30E-09
484737.32, 3857616.59	0.01228	0.0024874	7.85E-07	7.40E-08	4.48E-05	1.41E-08	1.33E-09
484645.53, 3857535.18	0.01212	0.0024549	7.75E-07	7.31E-08	4.42E-05	1.39E-08	1.32E-09
484553.99, 3857534.67	0.01197	0.0024246	7.65E-07	7.22E-08	4.37E-05	1.38E-08	1.30E-09
484462.46, 3857534.17	0.01172	0.0023739	7.49E-07	7.06E-08	4.27E-05	1.35E-08	1.27E-09
484370.93, 3857533.66	0.01146	0.0023213	7.33E-07	6.91E-08	4.18E-05	1.32E-08	1.24E-09
484279.4, 3857533.16	0.01114	0.0022564	7.12E-07	6.71E-08	4.06E-05	1.28E-08	1.21E-09
484187.86, 3857532.65	0.01083	0.0021937	6.92E-07	6.53E-08	3.95E-05	1.25E-08	1.18E-09
484096.33, 3857532.15	0.01045	0.0021167	6.68E-07	6.30E-08	3.81E-05	1.20E-08	1.13E-09
484004.8, 3857531.64	0.01012	0.0020498	6.47E-07	6.10E-08	3.69E-05	1.16E-08	1.10E-09
483913.27, 3857531.14	0.00985	0.0019952	6.30E-07	5.94E-08	3.59E-05	1.13E-08	1.07E-09
483821.73, 3857530.63	0.00951	0.0019263	6.08E-07	5.73E-08	3.47E-05	1.09E-08	1.03E-09
483729.61, 3857450.11	0.00969	0.0019627	6.19E-07	5.84E-08	3.53E-05	1.12E-08	1.05E-09
483729.03, 3857370.08	0.01005	0.0020357	6.42E-07	6.06E-08	3.66E-05	1.16E-08	1.09E-09
483728.44, 3857290.06	0.01038	0.0021025	6.64E-07	6.26E-08	3.79E-05	1.19E-08	1.13E-09
483727.86, 3857210.03	0.01057	0.002141	6.76E-07	6.37E-08	3.85E-05	1.22E-08	1.15E-09
483641.15, 3857129.07	0.01043	0.0021126	6.67E-07	6.29E-08	3.80E-05	1.20E-08	1.13E-09
483555.03, 3857128.14	0.0103	0.0020863	6.58E-07	6.21E-08	3.76E-05	1.19E-08	1.12E-09
483468.91, 3857127.2	0.01026	0.0020782	6.56E-07	6.18E-08	3.74E-05	1.18E-08	1.11E-09
483382.78, 3857126.26	0.01001	0.0020276	6.40E-07	6.03E-08	3.65E-05	1.15E-08	1.09E-09
483296.66, 3857125.32	0.00982	0.0019891	6.28E-07	5.92E-08	3.58E-05	1.13E-08	1.07E-09
483210.54, 3857124.39	0.00965	0.0019546	6.17E-07	5.82E-08	3.52E-05	1.11E-08	1.05E-09
483123.4, 3857030.96	0.00974	0.0019729	6.23E-07	5.87E-08	3.55E-05	1.12E-08	1.06E-09
483122.38, 3856938.46	0.00979	0.001983	6.26E-07	5.90E-08	3.57E-05	1.13E-08	1.06E-09
483121.35, 3856845.97	0.00963	0.0019506	6.16E-07	5.80E-08	3.51E-05	1.11E-08	1.05E-09
483120.33, 3856753.47	0.00945	0.0019141	6.04E-07	5.70E-08	3.45E-05	1.09E-08	1.03E-09
483119.31, 3856660.98	0.00913	0.0018493	5.84E-07	5.50E-08	3.33E-05	1.05E-08	9.91E-10
483118.29, 3856568.49	0.00868	0.0017582	5.55E-07	5.23E-08	3.17E-05	9.99E-09	9.42E-10
483117.26, 3856475.99	0.00818	0.0016569	5.23E-07	4.93E-08	2.98E-05	9.41E-09	8.88E-10
483116.24, 3856383.5	0.00776	0.0015718	4.96E-07	4.68E-08	2.83E-05	8.93E-09	8.42E-10
483115.22, 3856291.01	0.0074	0.0014989	4.73E-07	4.46E-08	2.70E-05	8.52E-09	8.03E-10
483114.2, 3856198.51	0.00719	0.0014564	4.60E-07	4.33E-08	2.62E-05	8.28E-09	7.80E-10
483113.17, 3856106.02	0.0069	0.0013976	4.41E-07	4.16E-08	2.52E-05	7.94E-09	7.49E-10
483112.15, 3856013.52	0.00682	0.0013814	4.36E-07	4.11E-08	2.49E-05	7.85E-09	7.40E-10
483029.25, 3855920.47	0.00664	0.001345	4.24E-07	4.00E-08	2.42E-05	7.64E-09	7.21E-10
482947.37, 3855919.91	0.00659	0.0013348	4.21E-07	3.97E-08	2.40E-05	7.58E-09	7.15E-10
482865.49, 3855919.36	0.00658	0.0013328	4.21E-07	3.97E-08	2.40E-05	7.57E-09	7.14E-10
482783.61, 3855918.8	0.0065	0.0013166	4.16E-07	3.92E-08	2.37E-05	7.48E-09	7.05E-10
482700.33, 3855818.39	0.00638	0.0012923	4.08E-07	3.85E-08	2.33E-05	7.34E-09	6.92E-10
482698.92, 3855718.54	0.00627	0.00127	4.01E-07	3.78E-08	2.29E-05	7.22E-09	6.80E-10
482697.52, 3855618.68	0.00629	0.0012741	4.02E-07	3.79E-08	2.29E-05	7.24E-09	6.83E-10
482696.11, 3855518.83	0.00621	0.0012579	3.97E-07	3.74E-08	2.26E-05	7.15E-09	6.74E-10
482694.71, 3855418.98	0.00624	0.0012639	3.99E-07	3.76E-08	2.28E-05	7.18E-09	6.77E-10
482693.3, 3855319.13	0.00624	0.0012639	3.99E-07	3.76E-08	2.28E-05	7.18E-09	6.77E-10
482691.9, 3855219.27	0.00614	0.0012437	3.93E-07	3.70E-08	2.24E-05	7.07E-09	6.66E-10
482690.49, 3855119.42	0.00613	0.0012417	3.92E-07	3.69E-08	2.24E-05	7.06E-09	6.65E-10
482689.09, 3855019.57	0.00592	0.0011991	3.78E-07	3.57E-08	2.16E-05	6.81E-09	6.42E-10
482687.68, 3854919.71	0.00588	0.001191	3.76E-07	3.54E-08	2.14E-05	6.77E-09	6.38E-10
482686.28, 3854819.86	0.00575	0.0011647	3.68E-07	3.47E-08	2.10E-05	6.62E-09	6.24E-10
482684.88, 3854720.01	0.00579	0.0011728	3.70E-07	3.49E-08	2.11E-05	6.66E-09	6.28E-10
482683.47, 3854620.16	0.00562	0.0011384	3.59E-07	3.39E-08	2.05E-05	6.47E-09	6.10E-10
482682.07, 3854520.31	0.00556	0.0011262	3.55E-07	3.35E-08	2.03E-05	6.40E-09	6.03E-10
482680.66, 3854420.45	0.00546	0.0011059	3.49E-07	3.29E-08	1.99E-05	6.28E-09	5.93E-10
482679.26, 3854320.6	0.00536	0.0010857	3.43E-07	3.23E-08	1.95E-05	6.17E-09	5.82E-10
482677.85, 3854220.75	0.005	0.0010128	3.20E-07	3.01E-08	1.82E-05	5.75E-09	5.43E-10
482676.45, 3854120.9	0.00505	0.0010229	3.23E-07	3.04E-08	1.84E-05	5.81E-09	5.48E-10

482675.04, 3854021.04	0.00506	0.0010249	3.23E-07	3.05E-08	1.85E-05	5.82E-09	5.49E-10
482673.64, 3853921.19	0.00502	0.0010168	3.21E-07	3.03E-08	1.83E-05	5.78E-09	5.45E-10
482672.23, 3853821.34	0.005	0.0010128	3.20E-07	3.01E-08	1.82E-05	5.75E-09	5.43E-10
482670.83, 3853721.48	0.00493	0.0009986	3.15E-07	2.97E-08	1.80E-05	5.67E-09	5.35E-10
482669.42, 3853621.63	0.00504	0.0010209	3.22E-07	3.04E-08	1.84E-05	5.80E-09	5.47E-10
482645.99, 3853446.13	0.00516	0.0010452	3.30E-07	3.11E-08	1.88E-05	5.94E-09	5.60E-10
482623.96, 3853370.48	0.00522	0.0010573	3.34E-07	3.15E-08	1.90E-05	6.01E-09	5.66E-10
482601.94, 3853294.84	0.00527	0.0010675	3.37E-07	3.18E-08	1.92E-05	6.07E-09	5.72E-10
482531.29, 3853133.44	0.00529	0.0010715	3.38E-07	3.19E-08	1.93E-05	6.09E-09	5.74E-10
482482.68, 3853047.69	0.00522	0.0010573	3.34E-07	3.15E-08	1.90E-05	6.01E-09	5.66E-10
482383.08, 3852897.4	0.00527	0.0010675	3.37E-07	3.18E-08	1.92E-05	6.07E-09	5.72E-10
482265.64, 3852765.26	0.00523	0.0010594	3.34E-07	3.15E-08	1.91E-05	6.02E-09	5.68E-10
482199.16, 3852697.66	0.00518	0.0010492	3.31E-07	3.12E-08	1.89E-05	5.96E-09	5.62E-10
482132.69, 3852630.07	0.00511	0.001035	3.27E-07	3.08E-08	1.86E-05	5.88E-09	5.55E-10
482066.21, 3852562.48	0.00505	0.0010229	3.23E-07	3.04E-08	1.84E-05	5.81E-09	5.48E-10
481999.74, 3852494.89	0.00501	0.0010148	3.20E-07	3.02E-08	1.83E-05	5.77E-09	5.44E-10
481933.26, 3852427.29	0.00498	0.0010087	3.18E-07	3.00E-08	1.82E-05	5.73E-09	5.40E-10
481866.79, 3852359.7	0.00488	0.0009885	3.12E-07	2.94E-08	1.78E-05	5.62E-09	5.30E-10
481800.31, 3852292.11	0.00477	0.0009662	3.05E-07	2.88E-08	1.74E-05	5.49E-09	5.18E-10
481733.84, 3852224.52	0.00468	0.000948	2.99E-07	2.82E-08	1.71E-05	5.39E-09	5.08E-10
481667.36, 3852156.92	0.00454	0.0009196	2.90E-07	2.74E-08	1.66E-05	5.23E-09	4.93E-10
481600.89, 3852089.33	0.00452	0.0009155	2.89E-07	2.72E-08	1.65E-05	5.20E-09	4.91E-10
481534.41, 3852021.74	0.00453	0.0009176	2.90E-07	2.73E-08	1.65E-05	5.21E-09	4.92E-10
481467.94, 3851954.15	0.0045	0.0009115	2.88E-07	2.71E-08	1.64E-05	5.18E-09	4.88E-10
481401.46, 3851886.55	0.00441	0.0008933	2.82E-07	2.66E-08	1.61E-05	5.08E-09	4.79E-10
481265.87, 3851761.43	0.00435	0.0008811	2.78E-07	2.62E-08	1.59E-05	5.01E-09	4.72E-10
481196.74, 3851703.89	0.00429	0.000869	2.74E-07	2.59E-08	1.56E-05	4.94E-09	4.66E-10
481076.33, 3851619.04	0.00422	0.0008548	2.70E-07	2.54E-08	1.54E-05	4.86E-09	4.58E-10
480939.8, 3851549.07	0.00412	0.0008345	2.63E-07	2.48E-08	1.50E-05	4.74E-09	4.47E-10
480854.56, 3851506.41	0.00407	0.0008244	2.60E-07	2.45E-08	1.48E-05	4.68E-09	4.42E-10
480769.32, 3851463.75	0.00401	0.0008122	2.56E-07	2.42E-08	1.46E-05	4.62E-09	4.35E-10
480684.08, 3851421.08	0.00395	0.0008001	2.53E-07	2.38E-08	1.44E-05	4.55E-09	4.29E-10
480598.84, 3851378.42	0.00394	0.0007981	2.52E-07	2.37E-08	1.44E-05	4.53E-09	4.28E-10
480435.71, 3851275.01	0.00384	0.0007778	2.45E-07	2.31E-08	1.40E-05	4.42E-09	4.17E-10
480347.85, 3851232.36	0.0038	0.0007697	2.43E-07	2.29E-08	1.39E-05	4.37E-09	4.12E-10
480260, 3851189.72	0.00375	0.0007596	2.40E-07	2.26E-08	1.37E-05	4.32E-09	4.07E-10
480172.15, 3851147.07	0.0037	0.0007494	2.37E-07	2.23E-08	1.35E-05	4.26E-09	4.02E-10
480084.29, 3851104.42	0.00363	0.0007353	2.32E-07	2.19E-08	1.32E-05	4.18E-09	3.94E-10
479996.44, 3851061.77	0.00355	0.0007191	2.27E-07	2.14E-08	1.29E-05	4.09E-09	3.85E-10
479908.58, 3851019.13	0.00335	0.0006786	2.14E-07	2.02E-08	1.22E-05	3.86E-09	3.64E-10
479820.73, 3850976.48	0.0033	0.0006684	2.11E-07	1.99E-08	1.20E-05	3.80E-09	3.58E-10
479732.88, 3850933.83	0.00325	0.0006583	2.08E-07	1.96E-08	1.19E-05	3.74E-09	3.53E-10
479645.02, 3850891.18	0.00321	0.0006502	2.05E-07	1.93E-08	1.17E-05	3.69E-09	3.48E-10
479557.17, 3850848.54	0.0032	0.0006482	2.05E-07	1.93E-08	1.17E-05	3.68E-09	3.47E-10
479469.32, 3850805.89	0.00313	0.000634	2.00E-07	1.89E-08	1.14E-05	3.60E-09	3.40E-10
479381.46, 3850763.24	0.00314	0.000636	2.01E-07	1.89E-08	1.15E-05	3.61E-09	3.41E-10
479293.61, 3850720.59	0.00321	0.0006502	2.05E-07	1.93E-08	1.17E-05	3.69E-09	3.48E-10
479205.76, 3850677.95	0.00325	0.0006583	2.08E-07	1.96E-08	1.19E-05	3.74E-09	3.53E-10
479117.9, 3850635.3	0.00332	0.0006725	2.12E-07	2.00E-08	1.21E-05	3.82E-09	3.60E-10
479030.05, 3850592.65	0.00327	0.0006624	2.09E-07	1.97E-08	1.19E-05	3.76E-09	3.55E-10
478942.19, 3850550	0.00318	0.0006441	2.03E-07	1.92E-08	1.16E-05	3.66E-09	3.45E-10
478854.34, 3850507.36	0.00294	0.0005955	1.88E-07	1.77E-08	1.07E-05	3.38E-09	3.19E-10
478766.49, 3850464.71	0.00283	0.0005732	1.81E-07	1.71E-08	1.03E-05	3.26E-09	3.07E-10
478678.63, 3850422.06	0.00277	0.0005611	1.77E-07	1.67E-08	1.01E-05	3.19E-09	3.01E-10
478590.78, 3850379.41	0.00269	0.0005449	1.72E-07	1.62E-08	9.81E-06	3.10E-09	2.92E-10
478502.93, 3850336.77	0.00264	0.0005347	1.69E-07	1.59E-08	9.63E-06	3.04E-09	2.86E-10
478415.07, 3850294.12	0.00261	0.0005287	1.67E-07	1.57E-08	9.52E-06	3.00E-09	2.83E-10
478327.22, 3850251.47	0.00254	0.0005145	1.62E-07	1.53E-08	9.26E-06	2.92E-09	2.76E-10
478239.36, 3850208.82	0.00249	0.0005044	1.59E-07	1.50E-08	9.08E-06	2.87E-09	2.70E-10
478151.51, 3850166.18	0.00245	0.0004963	1.57E-07	1.48E-08	8.93E-06	2.82E-09	2.66E-10

478063.66, 3850123.53	0.00241	0.0004882	1.54E-07	1.45E-08	8.79E-06	2.77E-09	2.62E-10
477975.8, 3850080.88	0.00255	0.0005165	1.63E-07	1.54E-08	9.30E-06	2.93E-09	2.77E-10
477887.95, 3850038.23	0.00256	0.0005185	1.64E-07	1.54E-08	9.34E-06	2.95E-09	2.78E-10
477800.1, 3849995.59	0.0026	0.0005266	1.66E-07	1.57E-08	9.48E-06	2.99E-09	2.82E-10
477712.24, 3849952.94	0.00259	0.0005246	1.66E-07	1.56E-08	9.44E-06	2.98E-09	2.81E-10
477624.39, 3849910.29	0.00258	0.0005226	1.65E-07	1.56E-08	9.41E-06	2.97E-09	2.80E-10
477536.54, 3849867.64	0.00258	0.0005226	1.65E-07	1.56E-08	9.41E-06	2.97E-09	2.80E-10
477448.68, 3849825	0.00255	0.0005165	1.63E-07	1.54E-08	9.30E-06	2.93E-09	2.77E-10
477360.83, 3849782.35	0.00252	0.0005104	1.61E-07	1.52E-08	9.19E-06	2.90E-09	2.73E-10
477272.97, 3849739.7	0.00243	0.0004922	1.55E-07	1.46E-08	8.86E-06	2.80E-09	2.64E-10
477185.12, 3849697.05	0.00241	0.0004882	1.54E-07	1.45E-08	8.79E-06	2.77E-09	2.62E-10
477097.27, 3849654.41	0.00242	0.0004902	1.55E-07	1.46E-08	8.82E-06	2.79E-09	2.63E-10
477009.41, 3849611.76	0.00232	0.0004699	1.48E-07	1.40E-08	8.46E-06	2.67E-09	2.52E-10
476841.49, 3849530.08	0.00223	0.0004517	1.43E-07	1.34E-08	8.13E-06	2.57E-09	2.42E-10
476761.41, 3849491.05	0.00222	0.0004497	1.42E-07	1.34E-08	8.10E-06	2.56E-09	2.41E-10
476681.34, 3849452.02	0.00217	0.0004395	1.39E-07	1.31E-08	7.91E-06	2.50E-09	2.35E-10
476601.26, 3849412.99	0.00211	0.0004274	1.35E-07	1.27E-08	7.69E-06	2.43E-09	2.29E-10
476456.32, 3849353.67	0.00194	0.000393	1.24E-07	1.17E-08	7.07E-06	2.23E-09	2.11E-10
476305.43, 3849318.83	0.00195	0.000395	1.25E-07	1.18E-08	7.11E-06	2.24E-09	2.12E-10
476129.36, 3849289.99	0.00189	0.0003828	1.21E-07	1.14E-08	6.89E-06	2.18E-09	2.05E-10
476039.31, 3849275.68	0.00183	0.0003707	1.17E-07	1.10E-08	6.67E-06	2.11E-09	1.99E-10
475949.26, 3849261.38	0.00178	0.0003605	1.14E-07	1.07E-08	6.49E-06	2.05E-09	1.93E-10
475859.21, 3849247.08	0.00175	0.0003545	1.12E-07	1.05E-08	6.38E-06	2.01E-09	1.90E-10
475769.16, 3849232.77	0.00167	0.0003383	1.07E-07	1.01E-08	6.09E-06	1.92E-09	1.81E-10
475585.22, 3849219.27	0.00127	0.0002572	8.12E-08	7.66E-09	4.63E-06	1.46E-09	1.38E-10
475444.49, 3849150.34	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
475334.17, 3849118.71	0.0015	0.0003038	9.59E-08	9.04E-09	5.47E-06	1.73E-09	1.63E-10
475230.46, 3849060.57	0.00149	0.0003018	9.53E-08	8.98E-09	5.43E-06	1.71E-09	1.62E-10
475110.86, 3848960.97	0.00147	0.0002978	9.40E-08	8.86E-09	5.36E-06	1.69E-09	1.60E-10
475037.79, 3848896.28	0.00143	0.0002897	9.14E-08	8.62E-09	5.21E-06	1.65E-09	1.55E-10
474964.72, 3848831.59	0.0014	0.0002836	8.95E-08	8.44E-09	5.11E-06	1.61E-09	1.52E-10
474891.65, 3848766.9	0.00139	0.0002815	8.89E-08	8.38E-09	5.07E-06	1.60E-09	1.51E-10
474818.58, 3848702.21	0.00139	0.0002815	8.89E-08	8.38E-09	5.07E-06	1.60E-09	1.51E-10
474745.51, 3848637.53	0.00142	0.0002876	9.08E-08	8.56E-09	5.18E-06	1.63E-09	1.54E-10
474672.44, 3848572.84	0.00147	0.0002978	9.40E-08	8.86E-09	5.36E-06	1.69E-09	1.60E-10
474599.37, 3848508.15	0.00141	0.0002856	9.01E-08	8.50E-09	5.14E-06	1.62E-09	1.53E-10
474526.3, 3848443.46	0.0014	0.0002836	8.95E-08	8.44E-09	5.11E-06	1.61E-09	1.52E-10

		No Replacements			With Replacements		
	Concentration /s:	2.03E-01	Worker		3.65E-03	Worker	
X, Y	[µg/m^3] at 1 g/s		Dose	Risk		Dose	Risk
485973.61, 3854936.51	0.0032	0.00064817	7.35E-08	2.89E-08	1.17E-05	1.32E-09	5.20E-10
486023.61, 3854936.51	0.00315	0.00063804	7.24E-08	2.84E-08	1.15E-05	1.30E-09	5.12E-10
486073.61, 3854936.51	0.00312	0.00063197	7.17E-08	2.82E-08	1.14E-05	1.29E-09	5.07E-10
486123.61, 3854936.51	0.00305	0.00061779	7.01E-08	2.75E-08	1.11E-05	1.26E-09	4.96E-10
486173.61, 3854936.51	0.00304	0.00061576	6.98E-08	2.74E-08	1.11E-05	1.26E-09	4.94E-10
486223.61, 3854936.51	0.003	0.00060766	6.89E-08	2.71E-08	1.09E-05	1.24E-09	4.87E-10
486273.61, 3854936.51	0.00297	0.00060158	6.82E-08	2.68E-08	1.08E-05	1.23E-09	4.83E-10
486323.61, 3854936.51	0.00295	0.00059753	6.78E-08	2.66E-08	1.08E-05	1.22E-09	4.79E-10
485973.61, 3854986.51	0.00329	0.0006664	7.56E-08	2.97E-08	1.20E-05	1.36E-09	5.35E-10
486023.61, 3854986.51	0.00325	0.0006583	7.47E-08	2.93E-08	1.19E-05	1.34E-09	5.28E-10
486073.61, 3854986.51	0.0032	0.00064817	7.35E-08	2.89E-08	1.17E-05	1.32E-09	5.20E-10
486123.61, 3854986.51	0.00316	0.00064007	7.26E-08	2.85E-08	1.15E-05	1.31E-09	5.13E-10
486173.61, 3854986.51	0.00314	0.00063602	7.21E-08	2.83E-08	1.15E-05	1.30E-09	5.10E-10
486223.61, 3854986.51	0.00309	0.00062589	7.10E-08	2.79E-08	1.13E-05	1.28E-09	5.02E-10
486273.61, 3854986.51	0.00303	0.00061374	6.96E-08	2.73E-08	1.10E-05	1.25E-09	4.92E-10
486323.61, 3854986.51	0.00304	0.00061576	6.98E-08	2.74E-08	1.11E-05	1.26E-09	4.94E-10
485973.61, 3855036.51	0.0034	0.00068868	7.81E-08	3.07E-08	1.24E-05	1.41E-09	5.52E-10
486023.61, 3855036.51	0.00335	0.00067855	7.70E-08	3.02E-08	1.22E-05	1.39E-09	5.44E-10
486073.61, 3855036.51	0.00329	0.0006664	7.56E-08	2.97E-08	1.20E-05	1.36E-09	5.35E-10
486123.61, 3855036.51	0.00324	0.00065627	7.44E-08	2.92E-08	1.18E-05	1.34E-09	5.26E-10
486173.61, 3855036.51	0.00322	0.00065222	7.40E-08	2.91E-08	1.17E-05	1.33E-09	5.23E-10
486223.61, 3855036.51	0.00316	0.00064007	7.26E-08	2.85E-08	1.15E-05	1.31E-09	5.13E-10
486273.61, 3855036.51	0.00315	0.00063804	7.24E-08	2.84E-08	1.15E-05	1.30E-09	5.12E-10
486323.61, 3855036.51	0.00311	0.00062994	7.15E-08	2.81E-08	1.13E-05	1.29E-09	5.05E-10
485973.61, 3855086.51	0.00349	0.00070691	8.02E-08	3.15E-08	1.27E-05	1.44E-09	5.67E-10
486023.61, 3855086.51	0.00346	0.00070084	7.95E-08	3.12E-08	1.26E-05	1.43E-09	5.62E-10
486073.61, 3855086.51	0.00339	0.00068666	7.79E-08	3.06E-08	1.24E-05	1.40E-09	5.51E-10
486123.61, 3855086.51	0.00336	0.00068058	7.72E-08	3.03E-08	1.23E-05	1.39E-09	5.46E-10
486173.61, 3855086.51	0.0033	0.00066843	7.58E-08	2.98E-08	1.20E-05	1.36E-09	5.36E-10
486223.61, 3855086.51	0.00327	0.00066235	7.51E-08	2.95E-08	1.19E-05	1.35E-09	5.31E-10
485973.61, 3855136.51	0.0036	0.00072919	8.27E-08	3.25E-08	1.31E-05	1.49E-09	5.85E-10
486023.61, 3855136.51	0.00355	0.00071907	8.16E-08	3.20E-08	1.29E-05	1.47E-09	5.77E-10
486073.61, 3855136.51	0.0035	0.00070894	8.04E-08	3.16E-08	1.28E-05	1.45E-09	5.69E-10
486123.61, 3855136.51	0.00346	0.00070084	7.95E-08	3.12E-08	1.26E-05	1.43E-09	5.62E-10
486173.61, 3855136.51	0.00341	0.00069071	7.83E-08	3.08E-08	1.24E-05	1.41E-09	5.54E-10
486223.61, 3855136.51	0.00337	0.00068261	7.74E-08	3.04E-08	1.23E-05	1.39E-09	5.48E-10
485973.61, 3855186.51	0.0037	0.00074945	8.50E-08	3.34E-08	1.35E-05	1.53E-09	6.01E-10
486023.61, 3855186.51	0.00366	0.00074135	8.41E-08	3.30E-08	1.33E-05	1.51E-09	5.95E-10
486073.61, 3855186.51	0.0036	0.00072919	8.27E-08	3.25E-08	1.31E-05	1.49E-09	5.85E-10
486123.61, 3855186.51	0.00354	0.00071704	8.13E-08	3.20E-08	1.29E-05	1.46E-09	5.75E-10
486173.61, 3855186.51	0.0035	0.00070894	8.04E-08	3.16E-08	1.28E-05	1.45E-09	5.69E-10
486223.61, 3855186.51	0.00345	0.00069881	7.93E-08	3.11E-08	1.26E-05	1.43E-09	5.61E-10
486273.61, 3855186.51	0.0034	0.00068868	7.81E-08	3.07E-08	1.24E-05	1.41E-09	5.52E-10
486323.61, 3855186.51	0.00342	0.00069273	7.86E-08	3.09E-08	1.25E-05	1.41E-09	5.56E-10
485973.61, 3855236.51	0.00378	0.00076565	8.68E-08	3.41E-08	1.38E-05	1.56E-09	6.14E-10
486023.61, 3855236.51	0.00373	0.00075552	8.57E-08	3.37E-08	1.36E-05	1.54E-09	6.06E-10
486073.61, 3855236.51	0.00367	0.00074337	8.43E-08	3.31E-08	1.34E-05	1.52E-09	5.96E-10
486123.61, 3855236.51	0.00363	0.00073527	8.34E-08	3.28E-08	1.32E-05	1.50E-09	5.90E-10
486173.61, 3855236.51	0.00359	0.00072717	8.25E-08	3.24E-08	1.31E-05	1.48E-09	5.83E-10
486223.61, 3855236.51	0.00354	0.00071704	8.13E-08	3.20E-08	1.29E-05	1.46E-09	5.75E-10
486273.61, 3855236.51	0.00346	0.00070084	7.95E-08	3.12E-08	1.26E-05	1.43E-09	5.62E-10
486323.61, 3855236.51	0.00352	0.00071299	8.09E-08	3.18E-08	1.28E-05	1.46E-09	5.72E-10
485973.61, 3855286.51	0.00385	0.00077983	8.85E-08	3.47E-08	1.40E-05	1.59E-09	6.26E-10
486023.61, 3855286.51	0.0038	0.0007697	8.73E-08	3.43E-08	1.39E-05	1.57E-09	6.17E-10
486073.61, 3855286.51	0.00375	0.00075958	8.62E-08	3.38E-08	1.37E-05	1.55E-09	6.09E-10
486123.61, 3855286.51	0.0037	0.00074945	8.50E-08	3.34E-08	1.35E-05	1.53E-09	6.01E-10
486173.61, 3855286.51	0.00365	0.00073932	8.39E-08	3.29E-08	1.33E-05	1.51E-09	5.93E-10

486223.61, 3855286.51	0.00362	0.00073324	8.32E-08	3.27E-08	1.32E-05	1.50E-09	5.88E-10
486123.61, 3855336.51	0.00376	0.0007616	8.64E-08	3.39E-08	1.37E-05	1.56E-09	6.11E-10
486173.61, 3855336.51	0.00373	0.00075552	8.57E-08	3.37E-08	1.36E-05	1.54E-09	6.06E-10
486223.61, 3855336.51	0.00369	0.00074742	8.48E-08	3.33E-08	1.35E-05	1.53E-09	6.00E-10
486123.61, 3855386.51	0.00382	0.00077375	8.78E-08	3.45E-08	1.39E-05	1.58E-09	6.21E-10
486173.61, 3855386.51	0.00379	0.00076768	8.71E-08	3.42E-08	1.38E-05	1.57E-09	6.16E-10
486223.61, 3855386.51	0.00377	0.00076363	8.66E-08	3.40E-08	1.37E-05	1.56E-09	6.13E-10
486533.18, 3855443.15	0.00372	0.0007535	8.55E-08	3.36E-08	1.36E-05	1.54E-09	6.04E-10
486583.18, 3855443.15	0.00368	0.0007454	8.45E-08	3.32E-08	1.34E-05	1.52E-09	5.98E-10
486633.18, 3855443.15	0.00364	0.0007373	8.36E-08	3.29E-08	1.33E-05	1.51E-09	5.91E-10
486683.18, 3855443.15	0.00362	0.00073324	8.32E-08	3.27E-08	1.32E-05	1.50E-09	5.88E-10
486533.18, 3855493.15	0.0038	0.0007697	8.73E-08	3.43E-08	1.39E-05	1.57E-09	6.17E-10
486583.18, 3855493.15	0.00377	0.00076363	8.66E-08	3.40E-08	1.37E-05	1.56E-09	6.13E-10
486633.18, 3855493.15	0.00373	0.00075552	8.57E-08	3.37E-08	1.36E-05	1.54E-09	6.06E-10
486683.18, 3855493.15	0.0037	0.00074945	8.50E-08	3.34E-08	1.35E-05	1.53E-09	6.01E-10
486533.18, 3855543.15	0.00388	0.00078591	8.91E-08	3.50E-08	1.41E-05	1.60E-09	6.30E-10
486583.18, 3855543.15	0.00383	0.00077578	8.80E-08	3.46E-08	1.40E-05	1.58E-09	6.22E-10
486633.18, 3855543.15	0.00381	0.00077173	8.75E-08	3.44E-08	1.39E-05	1.58E-09	6.19E-10
486683.18, 3855543.15	0.00375	0.00075958	8.62E-08	3.38E-08	1.37E-05	1.55E-09	6.09E-10
486533.18, 3855593.15	0.00394	0.00079806	9.05E-08	3.56E-08	1.44E-05	1.63E-09	6.40E-10
486583.18, 3855593.15	0.00391	0.00079198	8.98E-08	3.53E-08	1.43E-05	1.62E-09	6.35E-10
486633.18, 3855593.15	0.00388	0.00078591	8.91E-08	3.50E-08	1.41E-05	1.60E-09	6.30E-10
486683.18, 3855593.15	0.00386	0.00078186	8.87E-08	3.48E-08	1.41E-05	1.60E-09	6.27E-10
486533.18, 3855643.15	0.00399	0.00080819	9.17E-08	3.60E-08	1.46E-05	1.65E-09	6.48E-10
486583.18, 3855643.15	0.00397	0.00080414	9.12E-08	3.58E-08	1.45E-05	1.64E-09	6.45E-10
486633.18, 3855643.15	0.00395	0.00080009	9.07E-08	3.57E-08	1.44E-05	1.63E-09	6.42E-10
486683.18, 3855643.15	0.00393	0.00079604	9.03E-08	3.55E-08	1.43E-05	1.63E-09	6.39E-10
486533.18, 3855693.15	0.00405	0.00082034	9.30E-08	3.66E-08	1.48E-05	1.68E-09	6.58E-10
486583.18, 3855693.15	0.00401	0.00081224	9.21E-08	3.62E-08	1.46E-05	1.66E-09	6.52E-10
486633.18, 3855693.15	0.00397	0.00080414	9.12E-08	3.58E-08	1.45E-05	1.64E-09	6.45E-10
486683.18, 3855693.15	0.00398	0.00080616	9.14E-08	3.59E-08	1.45E-05	1.65E-09	6.47E-10
486733.18, 3855693.15	0.00402	0.00081427	9.24E-08	3.63E-08	1.47E-05	1.66E-09	6.53E-10
486783.18, 3855693.15	0.00407	0.00082439	9.35E-08	3.67E-08	1.48E-05	1.68E-09	6.61E-10
486533.18, 3855743.15	0.00408	0.00082642	9.37E-08	3.68E-08	1.49E-05	1.69E-09	6.63E-10
486583.18, 3855743.15	0.00403	0.00081629	9.26E-08	3.64E-08	1.47E-05	1.67E-09	6.55E-10
486633.18, 3855743.15	0.00401	0.00081224	9.21E-08	3.62E-08	1.46E-05	1.66E-09	6.52E-10
486683.18, 3855743.15	0.00405	0.00082034	9.30E-08	3.66E-08	1.48E-05	1.68E-09	6.58E-10
486733.18, 3855743.15	0.00407	0.00082439	9.35E-08	3.67E-08	1.48E-05	1.68E-09	6.61E-10
486783.18, 3855743.15	0.00414	0.00083857	9.51E-08	3.74E-08	1.51E-05	1.71E-09	6.73E-10
486533.18, 3855793.15	0.00411	0.0008325	9.44E-08	3.71E-08	1.50E-05	1.70E-09	6.68E-10
486583.18, 3855793.15	0.00402	0.00081427	9.24E-08	3.63E-08	1.47E-05	1.66E-09	6.53E-10
486633.18, 3855793.15	0.00407	0.00082439	9.35E-08	3.67E-08	1.48E-05	1.68E-09	6.61E-10
486683.18, 3855793.15	0.00412	0.00083452	9.47E-08	3.72E-08	1.50E-05	1.70E-09	6.69E-10
486733.18, 3855793.15	0.00415	0.0008406	9.53E-08	3.75E-08	1.51E-05	1.72E-09	6.74E-10
486783.18, 3855793.15	0.00419	0.0008487	9.63E-08	3.78E-08	1.53E-05	1.73E-09	6.81E-10
486533.18, 3855843.15	0.0041	0.00083047	9.42E-08	3.70E-08	1.50E-05	1.70E-09	6.66E-10
486583.18, 3855843.15	0.00405	0.00082034	9.30E-08	3.66E-08	1.48E-05	1.68E-09	6.58E-10
486633.18, 3855843.15	0.0041	0.00083047	9.42E-08	3.70E-08	1.50E-05	1.70E-09	6.66E-10
486683.18, 3855843.15	0.00416	0.00084262	9.56E-08	3.75E-08	1.52E-05	1.72E-09	6.76E-10
486733.18, 3855843.15	0.00421	0.00085275	9.67E-08	3.80E-08	1.54E-05	1.74E-09	6.84E-10
486783.18, 3855843.15	0.00425	0.00086085	9.76E-08	3.84E-08	1.55E-05	1.76E-09	6.91E-10
486533.18, 3855893.15	0.00405	0.00082034	9.30E-08	3.66E-08	1.48E-05	1.68E-09	6.58E-10
486583.18, 3855893.15	0.00409	0.00082844	9.40E-08	3.69E-08	1.49E-05	1.69E-09	6.65E-10
486633.18, 3855893.15	0.00413	0.00083655	9.49E-08	3.73E-08	1.51E-05	1.71E-09	6.71E-10
486683.18, 3855893.15	0.00419	0.0008487	9.63E-08	3.78E-08	1.53E-05	1.73E-09	6.81E-10
486733.18, 3855893.15	0.00424	0.00085883	9.74E-08	3.83E-08	1.55E-05	1.75E-09	6.89E-10
486783.18, 3855893.15	0.00431	0.00087301	9.90E-08	3.89E-08	1.57E-05	1.78E-09	7.00E-10
486533.18, 3855943.15	0.00405	0.00082034	9.30E-08	3.66E-08	1.48E-05	1.68E-09	6.58E-10
486583.18, 3855943.15	0.00413	0.00083655	9.49E-08	3.73E-08	1.51E-05	1.71E-09	6.71E-10
486633.18, 3855943.15	0.00416	0.00084262	9.56E-08	3.75E-08	1.52E-05	1.72E-09	6.76E-10
486683.18, 3855943.15	0.00423	0.0008568	9.72E-08	3.82E-08	1.54E-05	1.75E-09	6.87E-10

486733.18, 3855943.15	0.00427	0.0008649	9.81E-08	3.85E-08	1.56E-05	1.77E-09	6.94E-10
486783.18, 3855943.15	0.00434	0.00087908	9.97E-08	3.92E-08	1.58E-05	1.80E-09	7.05E-10
486533.18, 3855993.15	0.00409	0.00082844	9.40E-08	3.69E-08	1.49E-05	1.69E-09	6.65E-10
486583.18, 3855993.15	0.00414	0.00083857	9.51E-08	3.74E-08	1.51E-05	1.71E-09	6.73E-10
486633.18, 3855993.15	0.00419	0.0008487	9.63E-08	3.78E-08	1.53E-05	1.73E-09	6.81E-10
486683.18, 3855993.15	0.00425	0.00086085	9.76E-08	3.84E-08	1.55E-05	1.76E-09	6.91E-10
486733.18, 3855993.15	0.0043	0.00087098	9.88E-08	3.88E-08	1.57E-05	1.78E-09	6.99E-10
486783.18, 3855993.15	0.00437	0.00088516	1.00E-07	3.94E-08	1.59E-05	1.81E-09	7.10E-10
486533.18, 3856043.15	0.00411	0.0008325	9.44E-08	3.71E-08	1.50E-05	1.70E-09	6.68E-10
486583.18, 3856043.15	0.00417	0.00084465	9.58E-08	3.76E-08	1.52E-05	1.72E-09	6.78E-10
486633.18, 3856043.15	0.00421	0.00085275	9.67E-08	3.80E-08	1.54E-05	1.74E-09	6.84E-10
486683.18, 3856043.15	0.00428	0.00086693	9.83E-08	3.86E-08	1.56E-05	1.77E-09	6.95E-10
486733.18, 3856043.15	0.00433	0.00087706	9.95E-08	3.91E-08	1.58E-05	1.79E-09	7.04E-10
486783.18, 3856043.15	0.00441	0.00089326	1.01E-07	3.98E-08	1.61E-05	1.82E-09	7.17E-10
486533.18, 3856093.15	0.00415	0.0008406	9.53E-08	3.75E-08	1.51E-05	1.72E-09	6.74E-10
486583.18, 3856093.15	0.0042	0.00085073	9.65E-08	3.79E-08	1.53E-05	1.74E-09	6.82E-10
486633.18, 3856093.15	0.00425	0.00086085	9.76E-08	3.84E-08	1.55E-05	1.76E-09	6.91E-10
486683.18, 3856093.15	0.00431	0.00087301	9.90E-08	3.89E-08	1.57E-05	1.78E-09	7.00E-10
486733.18, 3856093.15	0.00436	0.00088313	1.00E-07	3.94E-08	1.59E-05	1.80E-09	7.08E-10
486783.18, 3856093.15	0.00443	0.00089731	1.02E-07	4.00E-08	1.62E-05	1.83E-09	7.20E-10
486533.18, 3856143.15	0.00419	0.0008487	9.63E-08	3.78E-08	1.53E-05	1.73E-09	6.81E-10
486583.18, 3856143.15	0.00422	0.00085478	9.70E-08	3.81E-08	1.54E-05	1.75E-09	6.86E-10
486633.18, 3856143.15	0.00428	0.00086693	9.83E-08	3.86E-08	1.56E-05	1.77E-09	6.95E-10
486683.18, 3856143.15	0.00433	0.00087706	9.95E-08	3.91E-08	1.58E-05	1.79E-09	7.04E-10
486733.18, 3856143.15	0.00439	0.00088921	1.01E-07	3.96E-08	1.60E-05	1.82E-09	7.13E-10
486783.18, 3856143.15	0.00448	0.00090744	1.03E-07	4.04E-08	1.63E-05	1.85E-09	7.28E-10
486533.18, 3856193.15	0.00424	0.00085883	9.74E-08	3.83E-08	1.55E-05	1.75E-09	6.89E-10
486583.18, 3856193.15	0.00426	0.00086288	9.79E-08	3.84E-08	1.55E-05	1.76E-09	6.92E-10
486633.18, 3856193.15	0.00431	0.00087301	9.90E-08	3.89E-08	1.57E-05	1.78E-09	7.00E-10
486683.18, 3856193.15	0.00438	0.00088718	1.01E-07	3.95E-08	1.60E-05	1.81E-09	7.12E-10
486733.18, 3856193.15	0.00443	0.00089731	1.02E-07	4.00E-08	1.62E-05	1.83E-09	7.20E-10
486783.18, 3856193.15	0.00451	0.00091352	1.04E-07	4.07E-08	1.64E-05	1.87E-09	7.33E-10
486533.18, 3856243.15	0.0043	0.00087098	9.88E-08	3.88E-08	1.57E-05	1.78E-09	6.99E-10
486583.18, 3856243.15	0.00432	0.00087503	9.93E-08	3.90E-08	1.58E-05	1.79E-09	7.02E-10
486633.18, 3856243.15	0.00436	0.00088313	1.00E-07	3.94E-08	1.59E-05	1.80E-09	7.08E-10
486683.18, 3856243.15	0.00441	0.00089326	1.01E-07	3.98E-08	1.61E-05	1.82E-09	7.17E-10
486733.18, 3856243.15	0.00448	0.00090744	1.03E-07	4.04E-08	1.63E-05	1.85E-09	7.28E-10
486783.18, 3856243.15	0.00454	0.00091959	1.04E-07	4.10E-08	1.66E-05	1.88E-09	7.38E-10
486533.18, 3856293.15	0.00438	0.00088718	1.01E-07	3.95E-08	1.60E-05	1.81E-09	7.12E-10
486583.18, 3856293.15	0.00439	0.00088921	1.01E-07	3.96E-08	1.60E-05	1.82E-09	7.13E-10
486633.18, 3856293.15	0.00442	0.00089529	1.02E-07	3.99E-08	1.61E-05	1.83E-09	7.18E-10
486683.18, 3856293.15	0.00447	0.00090541	1.03E-07	4.03E-08	1.63E-05	1.85E-09	7.26E-10
486733.18, 3856293.15	0.00454	0.00091959	1.04E-07	4.10E-08	1.66E-05	1.88E-09	7.38E-10
486783.18, 3856293.15	0.00459	0.00092972	1.05E-07	4.14E-08	1.67E-05	1.90E-09	7.46E-10
486783.18, 3856343.15	0.00467	0.00094593	1.07E-07	4.22E-08	1.70E-05	1.93E-09	7.59E-10
486833.18, 3856343.15	0.00473	0.00095808	1.09E-07	4.27E-08	1.72E-05	1.96E-09	7.69E-10
486883.18, 3856343.15	0.0048	0.00097226	1.10E-07	4.33E-08	1.75E-05	1.99E-09	7.80E-10
486783.18, 3856393.15	0.00473	0.00095808	1.09E-07	4.27E-08	1.72E-05	1.96E-09	7.69E-10
486833.18, 3856393.15	0.00479	0.00097023	1.10E-07	4.32E-08	1.75E-05	1.98E-09	7.78E-10
486883.18, 3856393.15	0.00483	0.00097833	1.11E-07	4.36E-08	1.76E-05	2.00E-09	7.85E-10
487208.74, 3856886.11	0.00629	0.00127406	1.45E-07	5.68E-08	2.29E-05	2.60E-09	1.02E-09
487258.74, 3856886.11	0.00631	0.00127811	1.45E-07	5.70E-08	2.30E-05	2.61E-09	1.03E-09
487308.74, 3856886.11	0.00633	0.00128216	1.45E-07	5.71E-08	2.31E-05	2.62E-09	1.03E-09
487358.74, 3856886.11	0.00634	0.00128419	1.46E-07	5.72E-08	2.31E-05	2.62E-09	1.03E-09
487208.74, 3856936.11	0.00646	0.0013085	1.48E-07	5.83E-08	2.36E-05	2.67E-09	1.05E-09
487258.74, 3856936.11	0.00648	0.00131255	1.49E-07	5.85E-08	2.36E-05	2.68E-09	1.05E-09
487308.74, 3856936.11	0.00651	0.00131862	1.50E-07	5.88E-08	2.37E-05	2.69E-09	1.06E-09
487358.74, 3856936.11	0.00653	0.00132267	1.50E-07	5.89E-08	2.38E-05	2.70E-09	1.06E-09
487208.74, 3856986.11	0.00663	0.00134293	1.52E-07	5.98E-08	2.42E-05	2.74E-09	1.08E-09
487258.74, 3856986.11	0.00668	0.00135306	1.53E-07	6.03E-08	2.44E-05	2.76E-09	1.09E-09
487308.74, 3856986.11	0.00669	0.00135508	1.54E-07	6.04E-08	2.44E-05	2.77E-09	1.09E-09

487358.74, 3856986.11	0.00674	0.00136521	1.55E-07	6.08E-08	2.46E-05	2.79E-09	1.10E-09
487208.74, 3857036.11	0.00679	0.00137534	1.56E-07	6.13E-08	2.48E-05	2.81E-09	1.10E-09
487258.74, 3857036.11	0.00683	0.00138344	1.57E-07	6.16E-08	2.49E-05	2.83E-09	1.11E-09
487308.74, 3857036.11	0.00689	0.00139559	1.58E-07	6.22E-08	2.51E-05	2.85E-09	1.12E-09
487358.74, 3857036.11	0.00693	0.0014037	1.59E-07	6.25E-08	2.53E-05	2.87E-09	1.13E-09
487427.14, 3856878.23	0.0064	0.00129634	1.47E-07	5.78E-08	2.33E-05	2.65E-09	1.04E-09
487477.14, 3856878.23	0.00645	0.00130647	1.48E-07	5.82E-08	2.35E-05	2.67E-09	1.05E-09
487527.14, 3856878.23	0.0065	0.0013166	1.49E-07	5.87E-08	2.37E-05	2.69E-09	1.06E-09
487427.14, 3856928.23	0.00657	0.00133078	1.51E-07	5.93E-08	2.40E-05	2.72E-09	1.07E-09
487477.14, 3856928.23	0.00659	0.00133483	1.51E-07	5.95E-08	2.40E-05	2.73E-09	1.07E-09
487527.14, 3856928.23	0.00664	0.00134496	1.53E-07	5.99E-08	2.42E-05	2.75E-09	1.08E-09
487577.14, 3856928.23	0.0067	0.00135711	1.54E-07	6.05E-08	2.44E-05	2.77E-09	1.09E-09
487627.14, 3856928.23	0.00673	0.00136319	1.55E-07	6.07E-08	2.45E-05	2.78E-09	1.09E-09
487677.14, 3856928.23	0.00681	0.00137939	1.56E-07	6.15E-08	2.48E-05	2.82E-09	1.11E-09
487727.14, 3856928.23	0.00692	0.00140167	1.59E-07	6.25E-08	2.52E-05	2.86E-09	1.12E-09
487777.14, 3856928.23	0.00699	0.00141585	1.61E-07	6.31E-08	2.55E-05	2.89E-09	1.14E-09
487427.14, 3856978.23	0.00673	0.00136319	1.55E-07	6.07E-08	2.45E-05	2.78E-09	1.09E-09
487477.14, 3856978.23	0.00678	0.00137331	1.56E-07	6.12E-08	2.47E-05	2.80E-09	1.10E-09
487527.14, 3856978.23	0.00682	0.00138142	1.57E-07	6.16E-08	2.49E-05	2.82E-09	1.11E-09
487577.14, 3856978.23	0.00686	0.00138952	1.58E-07	6.19E-08	2.50E-05	2.84E-09	1.11E-09
487627.14, 3856978.23	0.00688	0.00139357	1.58E-07	6.21E-08	2.51E-05	2.85E-09	1.12E-09
487677.14, 3856978.23	0.00696	0.00140977	1.60E-07	6.28E-08	2.54E-05	2.88E-09	1.13E-09
487727.14, 3856978.23	0.00694	0.00140572	1.59E-07	6.26E-08	2.53E-05	2.87E-09	1.13E-09
487777.14, 3856978.23	0.00714	0.00144623	1.64E-07	6.44E-08	2.60E-05	2.95E-09	1.16E-09
487427.14, 3857028.23	0.00694	0.00140572	1.59E-07	6.26E-08	2.53E-05	2.87E-09	1.13E-09
487477.14, 3857028.23	0.00698	0.00141382	1.60E-07	6.30E-08	2.55E-05	2.89E-09	1.13E-09
487527.14, 3857028.23	0.007	0.00141788	1.61E-07	6.32E-08	2.55E-05	2.90E-09	1.14E-09
487577.14, 3857028.23	0.00704	0.00142598	1.62E-07	6.35E-08	2.57E-05	2.91E-09	1.14E-09
487627.14, 3857028.23	0.00705	0.001428	1.62E-07	6.36E-08	2.57E-05	2.92E-09	1.15E-09
487677.14, 3857028.23	0.0071	0.00143813	1.63E-07	6.41E-08	2.59E-05	2.94E-09	1.15E-09
487727.14, 3857028.23	0.0072	0.00145839	1.65E-07	6.50E-08	2.63E-05	2.98E-09	1.17E-09
487777.14, 3857028.23	0.00728	0.00147459	1.67E-07	6.57E-08	2.65E-05	3.01E-09	1.18E-09
487427.14, 3857078.23	0.00714	0.00144623	1.64E-07	6.44E-08	2.60E-05	2.95E-09	1.16E-09
487477.14, 3857078.23	0.00716	0.00145028	1.64E-07	6.46E-08	2.61E-05	2.96E-09	1.16E-09
487527.14, 3857078.23	0.0072	0.00145839	1.65E-07	6.50E-08	2.63E-05	2.98E-09	1.17E-09
487577.14, 3857078.23	0.00723	0.00146446	1.66E-07	6.53E-08	2.64E-05	2.99E-09	1.17E-09
487627.14, 3857078.23	0.00725	0.00146851	1.67E-07	6.54E-08	2.64E-05	3.00E-09	1.18E-09
487677.14, 3857078.23	0.0073	0.00147864	1.68E-07	6.59E-08	2.66E-05	3.02E-09	1.19E-09
487727.14, 3857078.23	0.00737	0.00149282	1.69E-07	6.65E-08	2.69E-05	3.05E-09	1.20E-09
487777.14, 3857078.23	0.00741	0.00150092	1.70E-07	6.69E-08	2.70E-05	3.06E-09	1.20E-09
487427.14, 3857128.23	0.00734	0.00148674	1.69E-07	6.62E-08	2.68E-05	3.04E-09	1.19E-09
487477.14, 3857128.23	0.00735	0.00148877	1.69E-07	6.63E-08	2.68E-05	3.04E-09	1.19E-09
487527.14, 3857128.23	0.00737	0.00149282	1.69E-07	6.65E-08	2.69E-05	3.05E-09	1.20E-09
487577.14, 3857128.23	0.00741	0.00150092	1.70E-07	6.69E-08	2.70E-05	3.06E-09	1.20E-09
487627.14, 3857128.23	0.00745	0.00150902	1.71E-07	6.72E-08	2.72E-05	3.08E-09	1.21E-09
487677.14, 3857128.23	0.00747	0.00151308	1.72E-07	6.74E-08	2.72E-05	3.09E-09	1.21E-09
487727.14, 3857128.23	0.00757	0.00153333	1.74E-07	6.83E-08	2.76E-05	3.13E-09	1.23E-09
487777.14, 3857128.23	0.0076	0.00153941	1.75E-07	6.86E-08	2.77E-05	3.14E-09	1.23E-09
488049.44, 3856539.39	0.00715	0.00144826	1.64E-07	6.45E-08	2.61E-05	2.96E-09	1.16E-09
488099.44, 3856539.39	0.00716	0.00145028	1.64E-07	6.46E-08	2.61E-05	2.96E-09	1.16E-09
488149.44, 3856539.39	0.00719	0.00145636	1.65E-07	6.49E-08	2.62E-05	2.97E-09	1.17E-09
488049.44, 3856589.39	0.00729	0.00147662	1.67E-07	6.58E-08	2.66E-05	3.02E-09	1.18E-09
488099.44, 3856589.39	0.00733	0.00148472	1.68E-07	6.62E-08	2.67E-05	3.03E-09	1.19E-09
488149.44, 3856589.39	0.00737	0.00149282	1.69E-07	6.65E-08	2.69E-05	3.05E-09	1.20E-09
488199.44, 3856589.39	0.00737	0.00149282	1.69E-07	6.65E-08	2.69E-05	3.05E-09	1.20E-09
488249.44, 3856589.39	0.00748	0.0015151	1.72E-07	6.75E-08	2.73E-05	3.09E-09	1.22E-09
488049.44, 3856639.39	0.00739	0.00149687	1.70E-07	6.67E-08	2.69E-05	3.06E-09	1.20E-09
488099.44, 3856639.39	0.00745	0.00150902	1.71E-07	6.72E-08	2.72E-05	3.08E-09	1.21E-09
488149.44, 3856639.39	0.00751	0.00152118	1.73E-07	6.78E-08	2.74E-05	3.11E-09	1.22E-09
488199.44, 3856639.39	0.00759	0.00153738	1.74E-07	6.85E-08	2.77E-05	3.14E-09	1.23E-09
488249.44, 3856639.39	0.00765	0.00154954	1.76E-07	6.90E-08	2.79E-05	3.16E-09	1.24E-09

488299.44, 3856639.39	0.00769	0.00155764	1.77E-07	6.94E-08	2.80E-05	3.18E-09	1.25E-09
488349.44, 3856639.39	0.0077	0.00155966	1.77E-07	6.95E-08	2.81E-05	3.18E-09	1.25E-09
488399.44, 3856639.39	0.00777	0.00157384	1.79E-07	7.01E-08	2.83E-05	3.21E-09	1.26E-09
488099.44, 3856689.39	0.00757	0.00153333	1.74E-07	6.83E-08	2.76E-05	3.13E-09	1.23E-09
488149.44, 3856689.39	0.00764	0.00154751	1.76E-07	6.90E-08	2.79E-05	3.16E-09	1.24E-09
488199.44, 3856689.39	0.00774	0.00156776	1.78E-07	6.99E-08	2.82E-05	3.20E-09	1.26E-09
488249.44, 3856689.39	0.00778	0.00157587	1.79E-07	7.02E-08	2.84E-05	3.22E-09	1.26E-09
488299.44, 3856689.39	0.00789	0.00159815	1.81E-07	7.12E-08	2.88E-05	3.26E-09	1.28E-09
488349.44, 3856689.39	0.00792	0.00160422	1.82E-07	7.15E-08	2.89E-05	3.28E-09	1.29E-09
488399.44, 3856689.39	0.00787	0.0015941	1.81E-07	7.10E-08	2.87E-05	3.26E-09	1.28E-09
488099.44, 3856739.39	0.00768	0.00155561	1.76E-07	6.93E-08	2.80E-05	3.18E-09	1.25E-09
488149.44, 3856739.39	0.00774	0.00156776	1.78E-07	6.99E-08	2.82E-05	3.20E-09	1.26E-09
488199.44, 3856739.39	0.00789	0.00159815	1.81E-07	7.12E-08	2.88E-05	3.26E-09	1.28E-09
488249.44, 3856739.39	0.00795	0.0016103	1.83E-07	7.18E-08	2.90E-05	3.29E-09	1.29E-09
488299.44, 3856739.39	0.00794	0.00160828	1.82E-07	7.17E-08	2.90E-05	3.28E-09	1.29E-09
488349.44, 3856739.39	0.00811	0.00164271	1.86E-07	7.32E-08	2.96E-05	3.35E-09	1.32E-09
488399.44, 3856739.39	0.00825	0.00167107	1.90E-07	7.45E-08	3.01E-05	3.41E-09	1.34E-09
487999.44, 3856789.39	0.00739	0.00149687	1.70E-07	6.67E-08	2.69E-05	3.06E-09	1.20E-09
488049.44, 3856789.39	0.00752	0.0015232	1.73E-07	6.79E-08	2.74E-05	3.11E-09	1.22E-09
488099.44, 3856789.39	0.00771	0.00156169	1.77E-07	6.96E-08	2.81E-05	3.19E-09	1.25E-09
488149.44, 3856789.39	0.00782	0.00158397	1.80E-07	7.06E-08	2.85E-05	3.23E-09	1.27E-09
488199.44, 3856789.39	0.00796	0.00161233	1.83E-07	7.18E-08	2.90E-05	3.29E-09	1.29E-09
488249.44, 3856789.39	0.00806	0.00163258	1.85E-07	7.27E-08	2.94E-05	3.33E-09	1.31E-09
488299.44, 3856789.39	0.00809	0.00163866	1.86E-07	7.30E-08	2.95E-05	3.35E-09	1.31E-09
488349.44, 3856789.39	0.00829	0.00167917	1.90E-07	7.48E-08	3.02E-05	3.43E-09	1.35E-09
488399.44, 3856789.39	0.00843	0.00170753	1.94E-07	7.61E-08	3.07E-05	3.49E-09	1.37E-09
487949.44, 3856839.39	0.00727	0.00147256	1.67E-07	6.56E-08	2.65E-05	3.01E-09	1.18E-09
487999.44, 3856839.39	0.00741	0.00150092	1.70E-07	6.69E-08	2.70E-05	3.06E-09	1.20E-09
488049.44, 3856839.39	0.00755	0.00152928	1.73E-07	6.81E-08	2.75E-05	3.12E-09	1.23E-09
488099.44, 3856839.39	0.00771	0.00156169	1.77E-07	6.96E-08	2.81E-05	3.19E-09	1.25E-09
488149.44, 3856839.39	0.00788	0.00159612	1.81E-07	7.11E-08	2.87E-05	3.26E-09	1.28E-09
488199.44, 3856839.39	0.00804	0.00162853	1.85E-07	7.26E-08	2.93E-05	3.33E-09	1.31E-09
487949.44, 3856889.39	0.00729	0.00147662	1.67E-07	6.58E-08	2.66E-05	3.02E-09	1.18E-09
487999.44, 3856889.39	0.00747	0.00151308	1.72E-07	6.74E-08	2.72E-05	3.09E-09	1.21E-09
488049.44, 3856889.39	0.00756	0.00153131	1.74E-07	6.82E-08	2.76E-05	3.13E-09	1.23E-09
488099.44, 3856889.39	0.00775	0.00156979	1.78E-07	6.99E-08	2.83E-05	3.21E-09	1.26E-09
488635.86, 3857895.05	0.01289	0.00261092	2.96E-07	1.16E-07	4.70E-05	5.33E-09	2.09E-09
489137.64, 3857804.15	0.01294	0.00262104	2.97E-07	1.17E-07	4.72E-05	5.35E-09	2.10E-09
488617.32, 3857859.41	0.01268	0.00256838	2.91E-07	1.14E-07	4.62E-05	5.24E-09	2.06E-09
488667.32, 3857859.41	0.01269	0.00257041	2.92E-07	1.15E-07	4.63E-05	5.25E-09	2.06E-09
488717.32, 3857859.41	0.01271	0.00257446	2.92E-07	1.15E-07	4.63E-05	5.26E-09	2.07E-09
488767.32, 3857859.41	0.01291	0.00261497	2.97E-07	1.17E-07	4.71E-05	5.34E-09	2.10E-09
488617.32, 3857909.41	0.01293	0.00261902	2.97E-07	1.17E-07	4.72E-05	5.35E-09	2.10E-09
488667.32, 3857909.41	0.01317	0.00266763	3.03E-07	1.19E-07	4.80E-05	5.45E-09	2.14E-09
488717.32, 3857909.41	0.013	0.0026332	2.99E-07	1.17E-07	4.74E-05	5.38E-09	2.11E-09
488767.32, 3857909.41	0.01316	0.00266561	3.02E-07	1.19E-07	4.80E-05	5.44E-09	2.14E-09
488417.32, 3857959.41	0.01269	0.00257041	2.92E-07	1.15E-07	4.63E-05	5.25E-09	2.06E-09
488467.32, 3857959.41	0.01285	0.00260281	2.95E-07	1.16E-07	4.69E-05	5.32E-09	2.09E-09
488517.32, 3857959.41	0.01302	0.00263725	2.99E-07	1.18E-07	4.75E-05	5.39E-09	2.12E-09
488567.32, 3857959.41	0.01319	0.00267168	3.03E-07	1.19E-07	4.81E-05	5.46E-09	2.14E-09
488617.32, 3857959.41	0.01325	0.00268384	3.04E-07	1.20E-07	4.83E-05	5.48E-09	2.15E-09
488667.32, 3857959.41	0.01329	0.00269194	3.05E-07	1.20E-07	4.85E-05	5.50E-09	2.16E-09
488717.32, 3857959.41	0.01342	0.00271827	3.08E-07	1.21E-07	4.89E-05	5.55E-09	2.18E-09
488767.32, 3857959.41	0.01346	0.00272637	3.09E-07	1.21E-07	4.91E-05	5.57E-09	2.19E-09
488417.32, 3858009.41	0.01287	0.00260686	2.96E-07	1.16E-07	4.69E-05	5.32E-09	2.09E-09
488467.32, 3858009.41	0.0131	0.00265345	3.01E-07	1.18E-07	4.78E-05	5.42E-09	2.13E-09
488517.32, 3858009.41	0.01329	0.00269194	3.05E-07	1.20E-07	4.85E-05	5.50E-09	2.16E-09
488567.32, 3858009.41	0.01351	0.0027365	3.10E-07	1.22E-07	4.93E-05	5.59E-09	2.20E-09
488617.32, 3858009.41	0.01353	0.00274055	3.11E-07	1.22E-07	4.93E-05	5.60E-09	2.20E-09
488667.32, 3858009.41	0.01355	0.0027446	3.11E-07	1.22E-07	4.94E-05	5.60E-09	2.20E-09
488717.32, 3858009.41	0.01364	0.00276283	3.13E-07	1.23E-07	4.97E-05	5.64E-09	2.22E-09

488767.32, 3858009.41	0.01372	0.00277904	3.15E-07	1.24E-07	5.00E-05	5.67E-09	2.23E-09
488417.32, 3858059.41	0.01311	0.00265548	3.01E-07	1.18E-07	4.78E-05	5.42E-09	2.13E-09
488467.32, 3858059.41	0.01336	0.00270612	3.07E-07	1.21E-07	4.87E-05	5.53E-09	2.17E-09
488517.32, 3858059.41	0.01356	0.00274663	3.12E-07	1.22E-07	4.94E-05	5.61E-09	2.20E-09
488567.32, 3858059.41	0.01377	0.00278916	3.16E-07	1.24E-07	5.02E-05	5.70E-09	2.24E-09
488617.32, 3858059.41	0.01393	0.00282157	3.20E-07	1.26E-07	5.08E-05	5.76E-09	2.26E-09
488667.32, 3858059.41	0.01394	0.0028236	3.20E-07	1.26E-07	5.08E-05	5.77E-09	2.27E-09
488417.32, 3858109.41	0.01309	0.00265143	3.01E-07	1.18E-07	4.77E-05	5.41E-09	2.13E-09
488467.32, 3858109.41	0.01343	0.00272029	3.09E-07	1.21E-07	4.90E-05	5.55E-09	2.18E-09
488517.32, 3858109.41	0.01375	0.00278511	3.16E-07	1.24E-07	5.01E-05	5.69E-09	2.23E-09
488567.32, 3858109.41	0.01397	0.00282967	3.21E-07	1.26E-07	5.09E-05	5.78E-09	2.27E-09
488617.32, 3858109.41	0.01421	0.00287829	3.26E-07	1.28E-07	5.18E-05	5.88E-09	2.31E-09
488667.32, 3858109.41	0.01422	0.00288031	3.27E-07	1.28E-07	5.19E-05	5.88E-09	2.31E-09
488769.93, 3858449.27	0.01532	0.00310312	3.52E-07	1.38E-07	5.59E-05	6.34E-09	2.49E-09
488819.93, 3858449.27	0.01536	0.00311122	3.53E-07	1.39E-07	5.60E-05	6.35E-09	2.50E-09
488819.93, 3858499.27	0.01554	0.00314768	3.57E-07	1.40E-07	5.67E-05	6.43E-09	2.53E-09
488869.93, 3858499.27	0.01555	0.00314971	3.57E-07	1.40E-07	5.67E-05	6.43E-09	2.53E-09
488869.93, 3858549.27	0.01572	0.00318414	3.61E-07	1.42E-07	5.73E-05	6.50E-09	2.55E-09
489438.17, 3859571.48	0.0232	0.00469924	5.33E-07	2.09E-07	8.46E-05	9.60E-09	3.77E-09
489488.17, 3859571.48	0.02359	0.00477824	5.42E-07	2.13E-07	8.60E-05	9.76E-09	3.83E-09
489538.17, 3859571.48	0.02396	0.00485318	5.50E-07	2.16E-07	8.74E-05	9.91E-09	3.89E-09
489588.17, 3859571.48	0.02454	0.00497067	5.64E-07	2.21E-07	8.95E-05	1.02E-08	3.99E-09
489438.17, 3859621.48	0.02286	0.00463038	5.25E-07	2.06E-07	8.34E-05	9.46E-09	3.71E-09
489488.17, 3859621.48	0.02339	0.00473773	5.37E-07	2.11E-07	8.53E-05	9.67E-09	3.80E-09
489538.17, 3859621.48	0.02384	0.00482888	5.48E-07	2.15E-07	8.69E-05	9.86E-09	3.87E-09
489588.17, 3859621.48	0.02405	0.00487141	5.53E-07	2.17E-07	8.77E-05	9.95E-09	3.91E-09
489238.17, 3859671.48	0.02078	0.00420906	4.77E-07	1.88E-07	7.58E-05	8.60E-09	3.38E-09
489288.17, 3859671.48	0.02122	0.00429819	4.88E-07	1.92E-07	7.74E-05	8.78E-09	3.45E-09
489338.17, 3859671.48	0.02155	0.00436503	4.95E-07	1.95E-07	7.86E-05	8.91E-09	3.50E-09
489388.17, 3859671.48	0.02171	0.00439744	4.99E-07	1.96E-07	7.92E-05	8.98E-09	3.53E-09
489438.17, 3859671.48	0.02229	0.00451492	5.12E-07	2.01E-07	8.13E-05	9.22E-09	3.62E-09
489488.17, 3859671.48	0.0225	0.00455746	5.17E-07	2.03E-07	8.20E-05	9.31E-09	3.66E-09
489538.17, 3859671.48	0.0229	0.00463848	5.26E-07	2.07E-07	8.35E-05	9.47E-09	3.72E-09
489588.17, 3859671.48	0.02322	0.00470329	5.33E-07	2.10E-07	8.47E-05	9.60E-09	3.77E-09
489238.17, 3859721.48	0.02059	0.00417058	4.73E-07	1.86E-07	7.51E-05	8.52E-09	3.35E-09
489288.17, 3859721.48	0.02057	0.00416653	4.73E-07	1.86E-07	7.50E-05	8.51E-09	3.34E-09
489338.17, 3859721.48	0.02082	0.00421717	4.78E-07	1.88E-07	7.59E-05	8.61E-09	3.38E-09
489388.17, 3859721.48	0.02115	0.00428401	4.86E-07	1.91E-07	7.71E-05	8.75E-09	3.44E-09
489438.17, 3859721.48	0.02162	0.00437921	4.97E-07	1.95E-07	7.88E-05	8.94E-09	3.51E-09
489488.17, 3859721.48	0.02169	0.00439339	4.98E-07	1.96E-07	7.91E-05	8.97E-09	3.52E-09
489538.17, 3859721.48	0.02196	0.00444808	5.05E-07	1.98E-07	8.01E-05	9.08E-09	3.57E-09
489588.17, 3859721.48	0.02228	0.00451289	5.12E-07	2.01E-07	8.12E-05	9.22E-09	3.62E-09
489238.17, 3859771.48	0.02066	0.00418476	4.75E-07	1.86E-07	7.53E-05	8.55E-09	3.36E-09
489288.17, 3859771.48	0.02052	0.0041564	4.71E-07	1.85E-07	7.48E-05	8.49E-09	3.33E-09
489338.17, 3859771.48	0.02078	0.00420906	4.77E-07	1.88E-07	7.58E-05	8.60E-09	3.38E-09
489388.17, 3859771.48	0.0209	0.00423337	4.80E-07	1.89E-07	7.62E-05	8.64E-09	3.40E-09
489438.17, 3859771.48	0.02128	0.00431034	4.89E-07	1.92E-07	7.76E-05	8.80E-09	3.46E-09
489488.17, 3859771.48	0.02106	0.00426578	4.84E-07	1.90E-07	7.68E-05	8.71E-09	3.42E-09
489538.17, 3859771.48	0.02105	0.00426375	4.84E-07	1.90E-07	7.68E-05	8.71E-09	3.42E-09
489588.17, 3859771.48	0.02146	0.0043468	4.93E-07	1.94E-07	7.83E-05	8.88E-09	3.49E-09
489238.17, 3859821.48	0.02114	0.00428198	4.86E-07	1.91E-07	7.71E-05	8.74E-09	3.44E-09
489288.17, 3859821.48	0.02087	0.00422729	4.79E-07	1.88E-07	7.61E-05	8.63E-09	3.39E-09
489338.17, 3859821.48	0.02095	0.0042435	4.81E-07	1.89E-07	7.64E-05	8.67E-09	3.40E-09
489388.17, 3859821.48	0.02099	0.0042516	4.82E-07	1.89E-07	7.65E-05	8.68E-09	3.41E-09
489438.17, 3859821.48	0.02076	0.00420501	4.77E-07	1.87E-07	7.57E-05	8.59E-09	3.37E-09
489488.17, 3859821.48	0.0206	0.0041726	4.73E-07	1.86E-07	7.51E-05	8.52E-09	3.35E-09
489538.17, 3859821.48	0.02047	0.00414627	4.70E-07	1.85E-07	7.46E-05	8.47E-09	3.33E-09
489588.17, 3859821.48	0.02072	0.00419691	4.76E-07	1.87E-07	7.56E-05	8.57E-09	3.37E-09
489238.17, 3859871.48	0.02165	0.00438529	4.97E-07	1.95E-07	7.90E-05	8.95E-09	3.52E-09
489288.17, 3859871.48	0.02153	0.00436098	4.95E-07	1.94E-07	7.85E-05	8.91E-09	3.50E-09
489338.17, 3859871.48	0.02143	0.00434072	4.92E-07	1.93E-07	7.81E-05	8.86E-09	3.48E-09

489388.17, 3859871.48	0.02113	0.00427996	4.85E-07	1.91E-07	7.71E-05	8.74E-09	3.43E-09
489438.17, 3859871.48	0.02053	0.00415843	4.72E-07	1.85E-07	7.49E-05	8.49E-09	3.34E-09
489488.17, 3859871.48	0.01984	0.00401866	4.56E-07	1.79E-07	7.23E-05	8.21E-09	3.22E-09
489538.17, 3859871.48	0.02008	0.00406728	4.61E-07	1.81E-07	7.32E-05	8.31E-09	3.26E-09
489588.17, 3859871.48	0.02009	0.0040693	4.62E-07	1.81E-07	7.33E-05	8.31E-09	3.26E-09
489238.17, 3859921.48	0.02204	0.00446428	5.06E-07	1.99E-07	8.04E-05	9.12E-09	3.58E-09
489288.17, 3859921.48	0.02168	0.00439136	4.98E-07	1.96E-07	7.91E-05	8.97E-09	3.52E-09
489338.17, 3859921.48	0.02152	0.00435895	4.94E-07	1.94E-07	7.85E-05	8.90E-09	3.50E-09
489388.17, 3859921.48	0.02102	0.00425768	4.83E-07	1.90E-07	7.67E-05	8.69E-09	3.42E-09
489438.17, 3859921.48	0.02018	0.00408753	4.64E-07	1.82E-07	7.36E-05	8.35E-09	3.28E-09
489488.17, 3859921.48	0.01991	0.00403284	4.57E-07	1.80E-07	7.26E-05	8.24E-09	3.24E-09
489538.17, 3859921.48	0.01989	0.00402879	4.57E-07	1.80E-07	7.25E-05	8.23E-09	3.23E-09
489588.17, 3859921.48	0.019	0.00384852	4.37E-07	1.71E-07	6.93E-05	7.86E-09	3.09E-09
489238.17, 3859971.48	0.02234	0.00452505	5.13E-07	2.02E-07	8.15E-05	9.24E-09	3.63E-09
489288.17, 3859971.48	0.02217	0.00449061	5.09E-07	2.00E-07	8.08E-05	9.17E-09	3.60E-09
489338.17, 3859971.48	0.02177	0.00440959	5.00E-07	1.96E-07	7.94E-05	9.00E-09	3.54E-09
489388.17, 3859971.48	0.02099	0.0042516	4.82E-07	1.89E-07	7.65E-05	8.68E-09	3.41E-09
489438.17, 3859971.48	0.01994	0.00403892	4.58E-07	1.80E-07	7.27E-05	8.25E-09	3.24E-09
489488.17, 3859971.48	0.01873	0.00379383	4.30E-07	1.69E-07	6.83E-05	7.75E-09	3.04E-09
489538.17, 3859971.48	0.01812	0.00367027	4.16E-07	1.64E-07	6.61E-05	7.49E-09	2.94E-09
489588.17, 3859971.48	0.01774	0.0035933	4.08E-07	1.60E-07	6.47E-05	7.34E-09	2.88E-09
483577.7, 3854071	0.00415	0.0008406	9.53E-08	3.75E-08	1.51E-05	1.72E-09	6.74E-10
483627.7, 3854071	0.00413	0.00083655	9.49E-08	3.73E-08	1.51E-05	1.71E-09	6.71E-10
483677.7, 3854071	0.00409	0.00082844	9.40E-08	3.69E-08	1.49E-05	1.69E-09	6.65E-10
483727.7, 3854071	0.00404	0.00081832	9.28E-08	3.65E-08	1.47E-05	1.67E-09	6.56E-10
483777.7, 3854071	0.00395	0.00080009	9.07E-08	3.57E-08	1.44E-05	1.63E-09	6.42E-10
483577.7, 3854121	0.0041	0.00083047	9.42E-08	3.70E-08	1.50E-05	1.70E-09	6.66E-10
483627.7, 3854121	0.00404	0.00081832	9.28E-08	3.65E-08	1.47E-05	1.67E-09	6.56E-10
483677.7, 3854121	0.00395	0.00080009	9.07E-08	3.57E-08	1.44E-05	1.63E-09	6.42E-10
483727.7, 3854121	0.00385	0.00077983	8.85E-08	3.47E-08	1.40E-05	1.59E-09	6.26E-10
483777.7, 3854121	0.00381	0.00077173	8.75E-08	3.44E-08	1.39E-05	1.58E-09	6.19E-10
483577.7, 3854171	0.00396	0.00080211	9.10E-08	3.57E-08	1.44E-05	1.64E-09	6.43E-10
483627.7, 3854171	0.00385	0.00077983	8.85E-08	3.47E-08	1.40E-05	1.59E-09	6.26E-10
483677.7, 3854171	0.00378	0.00076565	8.68E-08	3.41E-08	1.38E-05	1.56E-09	6.14E-10
483727.7, 3854171	0.00373	0.00075552	8.57E-08	3.37E-08	1.36E-05	1.54E-09	6.06E-10
483777.7, 3854171	0.00367	0.00074337	8.43E-08	3.31E-08	1.34E-05	1.52E-09	5.96E-10
483827.7, 3854171	0.00357	0.00072312	8.20E-08	3.22E-08	1.30E-05	1.48E-09	5.80E-10
483877.7, 3854171	0.00353	0.00071501	8.11E-08	3.19E-08	1.29E-05	1.46E-09	5.74E-10
483727.7, 3854221	0.00363	0.00073527	8.34E-08	3.28E-08	1.32E-05	1.50E-09	5.90E-10
483777.7, 3854221	0.00357	0.00072312	8.20E-08	3.22E-08	1.30E-05	1.48E-09	5.80E-10
483827.7, 3854221	0.00357	0.00072312	8.20E-08	3.22E-08	1.30E-05	1.48E-09	5.80E-10
483877.7, 3854221	0.0035	0.00070894	8.04E-08	3.16E-08	1.28E-05	1.45E-09	5.69E-10
489150.19, 3858726.45	0.01595	0.00323073	3.66E-07	1.44E-07	5.82E-05	6.60E-09	2.59E-09
489200.19, 3858726.45	0.01599	0.00323883	3.67E-07	1.44E-07	5.83E-05	6.61E-09	2.60E-09
489150.19, 3858776.45	0.01631	0.00330365	3.75E-07	1.47E-07	5.95E-05	6.75E-09	2.65E-09
489200.19, 3858776.45	0.01615	0.00327124	3.71E-07	1.46E-07	5.89E-05	6.68E-09	2.62E-09
488919.6, 3856400.76	0.00709	0.00143611	1.63E-07	6.40E-08	2.59E-05	2.93E-09	1.15E-09
488919.6, 3856450.76	0.00723	0.00146446	1.66E-07	6.53E-08	2.64E-05	2.99E-09	1.17E-09
488969.6, 3856450.76	0.00725	0.00146851	1.67E-07	6.54E-08	2.64E-05	3.00E-09	1.18E-09
488919.6, 3856500.76	0.00737	0.00149282	1.69E-07	6.65E-08	2.69E-05	3.05E-09	1.20E-09
488969.6, 3856500.76	0.00743	0.00150497	1.71E-07	6.71E-08	2.71E-05	3.07E-09	1.21E-09
488919.6, 3856550.76	0.00756	0.00153131	1.74E-07	6.82E-08	2.76E-05	3.13E-09	1.23E-09
488969.6, 3856550.76	0.00759	0.00153738	1.74E-07	6.85E-08	2.77E-05	3.14E-09	1.23E-09
488819.6, 3856600.76	0.00762	0.00154346	1.75E-07	6.88E-08	2.78E-05	3.15E-09	1.24E-09
488869.6, 3856600.76	0.00765	0.00154954	1.76E-07	6.90E-08	2.79E-05	3.16E-09	1.24E-09
488919.6, 3856600.76	0.00771	0.00156169	1.77E-07	6.96E-08	2.81E-05	3.19E-09	1.25E-09
488819.6, 3856650.76	0.00781	0.00158194	1.79E-07	7.05E-08	2.85E-05	3.23E-09	1.27E-09
488869.6, 3856650.76	0.00783	0.00158599	1.80E-07	7.07E-08	2.86E-05	3.24E-09	1.27E-09
488819.6, 3856700.76	0.00804	0.00162853	1.85E-07	7.26E-08	2.93E-05	3.33E-09	1.31E-09
488869.6, 3856700.76	0.00803	0.00162651	1.84E-07	7.25E-08	2.93E-05	3.32E-09	1.30E-09
488819.6, 3856750.76	0.00825	0.00167107	1.90E-07	7.45E-08	3.01E-05	3.41E-09	1.34E-09

488869.6, 3856750.76	0.00827	0.00167512	1.90E-07	7.46E-08	3.02E-05	3.42E-09	1.34E-09
488819.6, 3857050.76	0.00988	0.00200123	2.27E-07	8.92E-08	3.60E-05	4.09E-09	1.61E-09
488869.6, 3857050.76	0.00997	0.00201946	2.29E-07	9.00E-08	3.64E-05	4.12E-09	1.62E-09
488919.6, 3857050.76	0.01	0.00202554	2.30E-07	9.03E-08	3.65E-05	4.14E-09	1.62E-09
488819.6, 3857100.76	0.01009	0.00204377	2.32E-07	9.11E-08	3.68E-05	4.17E-09	1.64E-09
488869.6, 3857100.76	0.01017	0.00205997	2.34E-07	9.18E-08	3.71E-05	4.21E-09	1.65E-09
488919.6, 3857100.76	0.01027	0.00208023	2.36E-07	9.27E-08	3.75E-05	4.25E-09	1.67E-09
488819.6, 3857150.76	0.01027	0.00208023	2.36E-07	9.27E-08	3.75E-05	4.25E-09	1.67E-09
488869.6, 3857150.76	0.0104	0.00210656	2.39E-07	9.39E-08	3.79E-05	4.30E-09	1.69E-09
488919.6, 3857150.76	0.01049	0.00212479	2.41E-07	9.47E-08	3.83E-05	4.34E-09	1.70E-09
488969.6, 3857150.76	0.01056	0.00213897	2.43E-07	9.53E-08	3.85E-05	4.37E-09	1.72E-09
488819.6, 3857200.76	0.01043	0.00211263	2.40E-07	9.41E-08	3.80E-05	4.31E-09	1.69E-09
488869.6, 3857200.76	0.01059	0.00214504	2.43E-07	9.56E-08	3.86E-05	4.38E-09	1.72E-09
488919.6, 3857200.76	0.01072	0.00217137	2.46E-07	9.68E-08	3.91E-05	4.43E-09	1.74E-09
488969.6, 3857200.76	0.01079	0.00218555	2.48E-07	9.74E-08	3.93E-05	4.46E-09	1.75E-09
488819.6, 3857250.76	0.01054	0.00213491	2.42E-07	9.51E-08	3.84E-05	4.36E-09	1.71E-09
488869.6, 3857250.76	0.01071	0.00216935	2.46E-07	9.67E-08	3.91E-05	4.43E-09	1.74E-09
488919.6, 3857250.76	0.01086	0.00219973	2.50E-07	9.80E-08	3.96E-05	4.49E-09	1.76E-09
488969.6, 3857250.76	0.01099	0.00222606	2.52E-07	9.92E-08	4.01E-05	4.55E-09	1.79E-09
488819.6, 3857300.76	0.01067	0.00216125	2.45E-07	9.63E-08	3.89E-05	4.41E-09	1.73E-09
488869.6, 3857300.76	0.01085	0.00219771	2.49E-07	9.79E-08	3.96E-05	4.49E-09	1.76E-09
488919.6, 3857300.76	0.01104	0.00223619	2.54E-07	9.96E-08	4.03E-05	4.57E-09	1.79E-09
488819.6, 3857450.76	0.01106	0.00224024	2.54E-07	9.98E-08	4.03E-05	4.57E-09	1.80E-09
488869.6, 3857450.76	0.0112	0.0022686	2.57E-07	1.01E-07	4.08E-05	4.63E-09	1.82E-09
488919.6, 3857450.76	0.01145	0.00231924	2.63E-07	1.03E-07	4.18E-05	4.74E-09	1.86E-09
488819.6, 3857500.76	0.01118	0.00226455	2.57E-07	1.01E-07	4.08E-05	4.62E-09	1.82E-09
488869.6, 3857500.76	0.01138	0.00230506	2.61E-07	1.03E-07	4.15E-05	4.71E-09	1.85E-09
488919.6, 3857500.76	0.0116	0.00234962	2.67E-07	1.05E-07	4.23E-05	4.80E-09	1.88E-09
488819.6, 3857550.76	0.01137	0.00230303	2.61E-07	1.03E-07	4.15E-05	4.70E-09	1.85E-09
488869.6, 3857550.76	0.01154	0.00233747	2.65E-07	1.04E-07	4.21E-05	4.77E-09	1.88E-09
488919.6, 3857550.76	0.01178	0.00238608	2.71E-07	1.06E-07	4.30E-05	4.87E-09	1.91E-09
489663.71, 3860900.05	0.0327	0.0066235	7.51E-07	2.95E-07	1.19E-04	1.35E-08	5.31E-09
489813.71, 3860900.05	0.03414	0.00691518	7.84E-07	3.08E-07	1.24E-04	1.41E-08	5.55E-09
489863.71, 3860900.05	0.03494	0.00707722	8.03E-07	3.15E-07	1.27E-04	1.45E-08	5.68E-09
489913.71, 3860900.05	0.03512	0.00711368	8.07E-07	3.17E-07	1.28E-04	1.45E-08	5.71E-09
489963.71, 3860900.05	0.03592	0.00727573	8.25E-07	3.24E-07	1.31E-04	1.49E-08	5.84E-09
490013.71, 3860900.05	0.03604	0.00730003	8.28E-07	3.25E-07	1.31E-04	1.49E-08	5.86E-09
490063.71, 3860900.05	0.03649	0.00739118	8.38E-07	3.29E-07	1.33E-04	1.51E-08	5.93E-09
489663.71, 3860950.05	0.03276	0.00663566	7.53E-07	2.96E-07	1.19E-04	1.36E-08	5.32E-09
489813.71, 3860950.05	0.03419	0.00692531	7.86E-07	3.09E-07	1.25E-04	1.41E-08	5.56E-09
489863.71, 3860950.05	0.03505	0.0070995	8.05E-07	3.16E-07	1.28E-04	1.45E-08	5.70E-09
489913.71, 3860950.05	0.03538	0.00716635	8.13E-07	3.19E-07	1.29E-04	1.46E-08	5.75E-09
489963.71, 3860950.05	0.03604	0.00730003	8.28E-07	3.25E-07	1.31E-04	1.49E-08	5.86E-09
490013.71, 3860950.05	0.03646	0.0073851	8.38E-07	3.29E-07	1.33E-04	1.51E-08	5.92E-09
490063.71, 3860950.05	0.03683	0.00746005	8.46E-07	3.32E-07	1.34E-04	1.52E-08	5.98E-09
489513.71, 3861000.05	0.0313	0.00633993	7.19E-07	2.83E-07	1.14E-04	1.29E-08	5.09E-09
489563.71, 3861000.05	0.03192	0.00646551	7.33E-07	2.88E-07	1.16E-04	1.32E-08	5.19E-09
489613.71, 3861000.05	0.03234	0.00655058	7.43E-07	2.92E-07	1.18E-04	1.34E-08	5.26E-09
489663.71, 3861000.05	0.03288	0.00665996	7.55E-07	2.97E-07	1.20E-04	1.36E-08	5.34E-09
489713.71, 3861000.05	0.03357	0.00679972	7.71E-07	3.03E-07	1.22E-04	1.39E-08	5.45E-09
489763.71, 3861000.05	0.03414	0.00691518	7.84E-07	3.08E-07	1.24E-04	1.41E-08	5.55E-09
489813.71, 3861000.05	0.03435	0.00695772	7.89E-07	3.10E-07	1.25E-04	1.42E-08	5.58E-09
489863.71, 3861000.05	0.03523	0.00713596	8.09E-07	3.18E-07	1.28E-04	1.46E-08	5.72E-09
489913.71, 3861000.05	0.03559	0.00720888	8.18E-07	3.21E-07	1.30E-04	1.47E-08	5.78E-09
489963.71, 3861000.05	0.03641	0.00737498	8.37E-07	3.29E-07	1.33E-04	1.51E-08	5.92E-09
490013.71, 3861000.05	0.03688	0.00747018	8.47E-07	3.33E-07	1.34E-04	1.53E-08	5.99E-09
490063.71, 3861000.05	0.03739	0.00757348	8.59E-07	3.37E-07	1.36E-04	1.55E-08	6.08E-09
489513.71, 3861050.05	0.03141	0.00636221	7.22E-07	2.83E-07	1.15E-04	1.30E-08	5.10E-09
489563.71, 3861050.05	0.03208	0.00649792	7.37E-07	2.90E-07	1.17E-04	1.33E-08	5.21E-09
489613.71, 3861050.05	0.03233	0.00654856	7.43E-07	2.92E-07	1.18E-04	1.34E-08	5.25E-09
489663.71, 3861050.05	0.03319	0.00672275	7.63E-07	3.00E-07	1.21E-04	1.37E-08	5.39E-09

489713.71, 3861050.05	0.03396	0.00687872	7.80E-07	3.07E-07	1.24E-04	1.40E-08	5.52E-09
489763.71, 3861050.05	0.0345	0.0069881	7.93E-07	3.11E-07	1.26E-04	1.43E-08	5.61E-09
489813.71, 3861050.05	0.03494	0.00707722	8.03E-07	3.15E-07	1.27E-04	1.45E-08	5.68E-09
489863.71, 3861050.05	0.03564	0.00721901	8.19E-07	3.22E-07	1.30E-04	1.47E-08	5.79E-09
489913.71, 3861050.05	0.03625	0.00734257	8.33E-07	3.27E-07	1.32E-04	1.50E-08	5.89E-09
489963.71, 3861050.05	0.03693	0.0074803	8.48E-07	3.33E-07	1.35E-04	1.53E-08	6.00E-09
490013.71, 3861050.05	0.03726	0.00754715	8.56E-07	3.36E-07	1.36E-04	1.54E-08	6.05E-09
490063.71, 3861050.05	0.03791	0.00767881	8.71E-07	3.42E-07	1.38E-04	1.57E-08	6.16E-09
489513.71, 3861100.05	0.03129	0.0063379	7.19E-07	2.82E-07	1.14E-04	1.29E-08	5.08E-09
489563.71, 3861100.05	0.03238	0.00655869	7.44E-07	2.92E-07	1.18E-04	1.34E-08	5.26E-09
489613.71, 3861100.05	0.03348	0.00678149	7.69E-07	3.02E-07	1.22E-04	1.38E-08	5.44E-09
489663.71, 3861100.05	0.03404	0.00689492	7.82E-07	3.07E-07	1.24E-04	1.41E-08	5.53E-09
489713.71, 3861100.05	0.03461	0.00701038	7.95E-07	3.12E-07	1.26E-04	1.43E-08	5.62E-09
489763.71, 3861100.05	0.0352	0.00712989	8.09E-07	3.18E-07	1.28E-04	1.46E-08	5.72E-09
489813.71, 3861100.05	0.03567	0.00722509	8.20E-07	3.22E-07	1.30E-04	1.48E-08	5.80E-09
489863.71, 3861100.05	0.03599	0.0072899	8.27E-07	3.25E-07	1.31E-04	1.49E-08	5.85E-09
489913.71, 3861100.05	0.03689	0.0074722	8.48E-07	3.33E-07	1.35E-04	1.53E-08	5.99E-09
489963.71, 3861100.05	0.03753	0.00760184	8.62E-07	3.39E-07	1.37E-04	1.55E-08	6.10E-09
490013.71, 3861100.05	0.03836	0.00776996	8.81E-07	3.46E-07	1.40E-04	1.59E-08	6.23E-09
490063.71, 3861100.05	0.03898	0.00789554	8.96E-07	3.52E-07	1.42E-04	1.61E-08	6.33E-09
489713.71, 3861150.05	0.03519	0.00712786	8.08E-07	3.18E-07	1.28E-04	1.46E-08	5.72E-09
489763.71, 3861150.05	0.03573	0.00723724	8.21E-07	3.22E-07	1.30E-04	1.48E-08	5.81E-09
489813.71, 3861150.05	0.03623	0.00733852	8.32E-07	3.27E-07	1.32E-04	1.50E-08	5.89E-09
489863.71, 3861150.05	0.03686	0.00746613	8.47E-07	3.33E-07	1.34E-04	1.52E-08	5.99E-09
489913.71, 3861150.05	0.03759	0.00761399	8.64E-07	3.39E-07	1.37E-04	1.55E-08	6.11E-09
489963.71, 3861150.05	0.03842	0.00778211	8.83E-07	3.47E-07	1.40E-04	1.59E-08	6.24E-09
490013.71, 3861150.05	0.03924	0.0079482	9.02E-07	3.54E-07	1.43E-04	1.62E-08	6.38E-09
490063.71, 3861150.05	0.03977	0.00805556	9.14E-07	3.59E-07	1.45E-04	1.64E-08	6.46E-09
489613.71, 3861200.05	0.03466	0.00702051	7.96E-07	3.13E-07	1.26E-04	1.43E-08	5.63E-09
489663.71, 3861200.05	0.03519	0.00712786	8.08E-07	3.18E-07	1.28E-04	1.46E-08	5.72E-09
489713.71, 3861200.05	0.03571	0.00723319	8.20E-07	3.22E-07	1.30E-04	1.48E-08	5.80E-09
489763.71, 3861200.05	0.03627	0.00734662	8.33E-07	3.27E-07	1.32E-04	1.50E-08	5.89E-09
489813.71, 3861200.05	0.0368	0.00745397	8.45E-07	3.32E-07	1.34E-04	1.52E-08	5.98E-09
489863.71, 3861200.05	0.03725	0.00754512	8.56E-07	3.36E-07	1.36E-04	1.54E-08	6.05E-09
489913.71, 3861200.05	0.03804	0.00770514	8.74E-07	3.43E-07	1.39E-04	1.57E-08	6.18E-09
489963.71, 3861200.05	0.03895	0.00788946	8.95E-07	3.52E-07	1.42E-04	1.61E-08	6.33E-09
490013.71, 3861200.05	0.03966	0.00803328	9.11E-07	3.58E-07	1.45E-04	1.64E-08	6.44E-09
490063.71, 3861200.05	0.04052	0.00820747	9.31E-07	3.66E-07	1.48E-04	1.68E-08	6.58E-09
489513.71, 3861250.05	0.03414	0.00691518	7.84E-07	3.08E-07	1.24E-04	1.41E-08	5.55E-09
489563.71, 3861250.05	0.03452	0.00699215	7.93E-07	3.12E-07	1.26E-04	1.43E-08	5.61E-09
489613.71, 3861250.05	0.035	0.00708938	8.04E-07	3.16E-07	1.28E-04	1.45E-08	5.69E-09
489663.71, 3861250.05	0.03564	0.00721901	8.19E-07	3.22E-07	1.30E-04	1.47E-08	5.79E-09
489713.71, 3861250.05	0.0362	0.00733244	8.32E-07	3.27E-07	1.32E-04	1.50E-08	5.88E-09
489763.71, 3861250.05	0.03676	0.00744587	8.45E-07	3.32E-07	1.34E-04	1.52E-08	5.97E-09
489813.71, 3861250.05	0.03736	0.0075674	8.58E-07	3.37E-07	1.36E-04	1.55E-08	6.07E-09
489863.71, 3861250.05	0.03798	0.00769299	8.73E-07	3.43E-07	1.39E-04	1.57E-08	6.17E-09
489913.71, 3861250.05	0.03855	0.00780844	8.86E-07	3.48E-07	1.41E-04	1.59E-08	6.26E-09
489963.71, 3861250.05	0.03929	0.00795833	9.03E-07	3.55E-07	1.43E-04	1.63E-08	6.38E-09
490013.71, 3861250.05	0.04012	0.00812645	9.22E-07	3.62E-07	1.46E-04	1.66E-08	6.52E-09
490063.71, 3861250.05	0.0412	0.00834521	9.47E-07	3.72E-07	1.50E-04	1.70E-08	6.69E-09
489528.13, 3861308.47	0.03496	0.00708127	8.03E-07	3.16E-07	1.27E-04	1.45E-08	5.68E-09
489578.13, 3861308.47	0.03544	0.0071785	8.14E-07	3.20E-07	1.29E-04	1.47E-08	5.76E-09
489628.13, 3861308.47	0.03598	0.00728788	8.27E-07	3.25E-07	1.31E-04	1.49E-08	5.85E-09
489678.13, 3861308.47	0.03647	0.00738713	8.38E-07	3.29E-07	1.33E-04	1.51E-08	5.93E-09
489728.13, 3861308.47	0.03703	0.00750056	8.51E-07	3.34E-07	1.35E-04	1.53E-08	6.02E-09
489778.13, 3861308.47	0.03771	0.0076383	8.66E-07	3.40E-07	1.38E-04	1.56E-08	6.13E-09
489678.13, 3861358.47	0.03722	0.00753904	8.55E-07	3.36E-07	1.36E-04	1.54E-08	6.05E-09
489728.13, 3861358.47	0.03782	0.00766058	8.69E-07	3.41E-07	1.38E-04	1.56E-08	6.15E-09
489528.13, 3861408.47	0.03644	0.00738105	8.37E-07	3.29E-07	1.33E-04	1.51E-08	5.92E-09
489578.13, 3861408.47	0.03695	0.00748436	8.49E-07	3.34E-07	1.35E-04	1.53E-08	6.00E-09
489628.13, 3861408.47	0.03721	0.00753702	8.55E-07	3.36E-07	1.36E-04	1.54E-08	6.05E-09

489678.13, 3861408.47	0.03792	0.00768083	8.71E-07	3.42E-07	1.38E-04	1.57E-08	6.16E-09
489728.13, 3861408.47	0.03865	0.0078287	8.88E-07	3.49E-07	1.41E-04	1.60E-08	6.28E-09
489528.13, 3861458.47	0.03702	0.00749853	8.51E-07	3.34E-07	1.35E-04	1.53E-08	6.02E-09
489578.13, 3861458.47	0.03751	0.00759779	8.62E-07	3.39E-07	1.37E-04	1.55E-08	6.10E-09
489628.13, 3861458.47	0.03806	0.00770919	8.74E-07	3.44E-07	1.39E-04	1.57E-08	6.18E-09
489678.13, 3861458.47	0.03872	0.00784288	8.90E-07	3.49E-07	1.41E-04	1.60E-08	6.29E-09
489728.13, 3861458.47	0.03959	0.0080191	9.10E-07	3.57E-07	1.44E-04	1.64E-08	6.43E-09
489528.13, 3861508.47	0.03757	0.00760994	8.63E-07	3.39E-07	1.37E-04	1.55E-08	6.10E-09
489578.13, 3861508.47	0.03816	0.00772945	8.77E-07	3.44E-07	1.39E-04	1.58E-08	6.20E-09
489628.13, 3861508.47	0.03879	0.00785705	8.91E-07	3.50E-07	1.41E-04	1.60E-08	6.30E-09
489678.13, 3861508.47	0.0395	0.00800087	9.07E-07	3.57E-07	1.44E-04	1.63E-08	6.42E-09
489728.13, 3861508.47	0.04024	0.00815076	9.24E-07	3.63E-07	1.47E-04	1.66E-08	6.54E-09
489628.13, 3861558.47	0.03906	0.00791174	8.97E-07	3.53E-07	1.42E-04	1.62E-08	6.35E-09
489678.13, 3861558.47	0.03952	0.00800492	9.08E-07	3.57E-07	1.44E-04	1.63E-08	6.42E-09
489728.13, 3861558.47	0.04024	0.00815076	9.24E-07	3.63E-07	1.47E-04	1.66E-08	6.54E-09
489357.08, 3861015.81	0.02968	0.00601179	6.82E-07	2.68E-07	1.08E-04	1.23E-08	4.82E-09
489407.08, 3861015.81	0.03041	0.00615965	6.99E-07	2.74E-07	1.11E-04	1.26E-08	4.94E-09
489457.08, 3861015.81	0.03097	0.00627308	7.12E-07	2.80E-07	1.13E-04	1.28E-08	5.03E-09
489357.08, 3861065.81	0.0299	0.00605635	6.87E-07	2.70E-07	1.09E-04	1.24E-08	4.86E-09
489407.08, 3861065.81	0.03067	0.00621232	7.05E-07	2.77E-07	1.12E-04	1.27E-08	4.98E-09
489457.08, 3861065.81	0.03123	0.00632575	7.17E-07	2.82E-07	1.14E-04	1.29E-08	5.07E-09
489357.08, 3861115.81	0.0303	0.00613737	6.96E-07	2.73E-07	1.10E-04	1.25E-08	4.92E-09
489407.08, 3861115.81	0.03078	0.0062346	7.07E-07	2.78E-07	1.12E-04	1.27E-08	5.00E-09
489457.08, 3861115.81	0.0313	0.00633993	7.19E-07	2.83E-07	1.14E-04	1.29E-08	5.09E-09
489407.08, 3861165.81	0.03094	0.00626701	7.11E-07	2.79E-07	1.13E-04	1.28E-08	5.03E-09
489457.08, 3861165.81	0.03168	0.0064169	7.28E-07	2.86E-07	1.16E-04	1.31E-08	5.15E-09
489407.08, 3861215.81	0.0321	0.00650197	7.37E-07	2.90E-07	1.17E-04	1.33E-08	5.22E-09
489457.08, 3861215.81	0.0327	0.0066235	7.51E-07	2.95E-07	1.19E-04	1.35E-08	5.31E-09
489407.08, 3861265.81	0.03323	0.00673086	7.63E-07	3.00E-07	1.21E-04	1.37E-08	5.40E-09
489457.08, 3861265.81	0.03367	0.00681998	7.74E-07	3.04E-07	1.23E-04	1.39E-08	5.47E-09
489309.86, 3861110.14	0.0299	0.00605635	6.87E-07	2.70E-07	1.09E-04	1.24E-08	4.86E-09
489407.08, 3861315.81	0.03382	0.00685036	7.77E-07	3.05E-07	1.23E-04	1.40E-08	5.50E-09
489457.08, 3861315.81	0.03425	0.00693746	7.87E-07	3.09E-07	1.25E-04	1.42E-08	5.57E-09
488906.03, 3861006.75	0.02454	0.00497067	5.64E-07	2.21E-07	8.95E-05	1.02E-08	3.99E-09
488956.03, 3861006.75	0.02461	0.00498484	5.65E-07	2.22E-07	8.97E-05	1.02E-08	4.00E-09
488904.24, 3861051.87	0.02259	0.00457569	5.19E-07	2.04E-07	8.24E-05	9.34E-09	3.67E-09
488954.24, 3861051.87	0.02401	0.00486331	5.52E-07	2.17E-07	8.76E-05	9.93E-09	3.90E-09
489004.24, 3861051.87	0.02358	0.00477621	5.42E-07	2.13E-07	8.60E-05	9.75E-09	3.83E-09
488804.24, 3861101.87	0.02333	0.00472558	5.36E-07	2.11E-07	8.51E-05	9.65E-09	3.79E-09
488854.24, 3861101.87	0.02315	0.00468912	5.32E-07	2.09E-07	8.44E-05	9.58E-09	3.76E-09
488904.24, 3861101.87	0.02531	0.00512663	5.81E-07	2.28E-07	9.23E-05	1.05E-08	4.11E-09
488954.24, 3861101.87	0.02619	0.00530488	6.02E-07	2.36E-07	9.55E-05	1.08E-08	4.26E-09
489004.24, 3861101.87	0.02653	0.00537375	6.10E-07	2.39E-07	9.67E-05	1.10E-08	4.31E-09
488804.24, 3861151.87	0.02586	0.00523804	5.94E-07	2.33E-07	9.43E-05	1.07E-08	4.20E-09
488854.24, 3861151.87	0.02648	0.00536362	6.08E-07	2.39E-07	9.66E-05	1.10E-08	4.30E-09
489129.49, 3861187.55	0.02941	0.0059571	6.76E-07	2.65E-07	1.07E-04	1.22E-08	4.78E-09
489179.49, 3861187.55	0.02995	0.00606648	6.88E-07	2.70E-07	1.09E-04	1.24E-08	4.87E-09
488804.24, 3861201.87	0.02631	0.00532919	6.04E-07	2.37E-07	9.59E-05	1.09E-08	4.28E-09
488854.24, 3861201.87	0.02717	0.00550338	6.24E-07	2.45E-07	9.91E-05	1.12E-08	4.41E-09
489129.49, 3861237.55	0.02953	0.00598141	6.78E-07	2.67E-07	1.08E-04	1.22E-08	4.80E-09
489179.49, 3861237.55	0.03036	0.00614953	6.98E-07	2.74E-07	1.11E-04	1.26E-08	4.93E-09
488804.24, 3861251.87	0.02657	0.00538185	6.10E-07	2.40E-07	9.69E-05	1.10E-08	4.32E-09
488854.24, 3861251.87	0.02763	0.00559656	6.35E-07	2.49E-07	1.01E-04	1.14E-08	4.49E-09
488804.24, 3861301.87	0.02726	0.00552161	6.26E-07	2.46E-07	9.94E-05	1.13E-08	4.43E-09
488854.24, 3861301.87	0.02806	0.00568365	6.45E-07	2.53E-07	1.02E-04	1.16E-08	4.56E-09
490943.5, 3860181.97	0.04616	0.00934987	1.06E-06	4.17E-07	1.68E-04	1.91E-08	7.50E-09
490993.5, 3860181.97	0.04775	0.00967193	1.10E-06	4.31E-07	1.74E-04	1.98E-08	7.76E-09
491043.5, 3860181.97	0.04928	0.00998184	1.13E-06	4.45E-07	1.80E-04	2.04E-08	8.01E-09
491093.5, 3860181.97	0.05139	0.01040923	1.18E-06	4.64E-07	1.87E-04	2.13E-08	8.35E-09
490943.5, 3860231.97	0.04585	0.00928708	1.05E-06	4.14E-07	1.67E-04	1.90E-08	7.45E-09
490993.5, 3860231.97	0.04645	0.00940861	1.07E-06	4.19E-07	1.69E-04	1.92E-08	7.55E-09

491043.5, 3860231.97	0.04886	0.00989677	1.12E-06	4.41E-07	1.78E-04	2.02E-08	7.94E-09
491093.5, 3860231.97	0.05129	0.01038897	1.18E-06	4.63E-07	1.87E-04	2.12E-08	8.33E-09
490943.5, 3860281.97	0.04558	0.00923239	1.05E-06	4.11E-07	1.66E-04	1.89E-08	7.41E-09
490993.5, 3860281.97	0.04637	0.00939241	1.07E-06	4.19E-07	1.69E-04	1.92E-08	7.53E-09
491043.5, 3860281.97	0.04836	0.00979549	1.11E-06	4.36E-07	1.76E-04	2.00E-08	7.86E-09
491093.5, 3860281.97	0.05059	0.01024719	1.16E-06	4.57E-07	1.84E-04	2.09E-08	8.22E-09
490943.5, 3860331.97	0.04589	0.00929518	1.05E-06	4.14E-07	1.67E-04	1.90E-08	7.46E-09
490993.5, 3860331.97	0.04753	0.00962737	1.09E-06	4.29E-07	1.73E-04	1.97E-08	7.72E-09
491043.5, 3860331.97	0.04925	0.00997576	1.13E-06	4.45E-07	1.80E-04	2.04E-08	8.00E-09
491093.5, 3860331.97	0.05107	0.01034441	1.17E-06	4.61E-07	1.86E-04	2.11E-08	8.30E-09
490086.72, 3859935.12	0.0275	0.00557022	6.32E-07	2.48E-07	1.00E-04	1.14E-08	4.47E-09
490136.72, 3859935.12	0.02848	0.00576873	6.54E-07	2.57E-07	1.04E-04	1.18E-08	4.63E-09
490186.72, 3859935.12	0.02945	0.0059652	6.77E-07	2.66E-07	1.07E-04	1.22E-08	4.79E-09
490236.72, 3859935.12	0.0304	0.00615763	6.98E-07	2.74E-07	1.11E-04	1.26E-08	4.94E-09
490286.72, 3859935.12	0.03154	0.00638854	7.25E-07	2.85E-07	1.15E-04	1.30E-08	5.13E-09
490336.72, 3859935.12	0.03268	0.00661945	7.51E-07	2.95E-07	1.19E-04	1.35E-08	5.31E-09
490386.72, 3859935.12	0.03359	0.00680378	7.72E-07	3.03E-07	1.22E-04	1.39E-08	5.46E-09
490436.72, 3859935.12	0.03459	0.00700633	7.95E-07	3.12E-07	1.26E-04	1.43E-08	5.62E-09
490486.72, 3859935.12	0.0354	0.0071704	8.13E-07	3.20E-07	1.29E-04	1.46E-08	5.75E-09
490536.72, 3859935.12	0.03517	0.00712381	8.08E-07	3.17E-07	1.28E-04	1.45E-08	5.71E-09
490586.72, 3859935.12	0.03457	0.00700228	7.94E-07	3.12E-07	1.26E-04	1.43E-08	5.62E-09
490636.72, 3859935.12	0.03476	0.00704076	7.99E-07	3.14E-07	1.27E-04	1.44E-08	5.65E-09
490686.72, 3859935.12	0.03347	0.00677947	7.69E-07	3.02E-07	1.22E-04	1.38E-08	5.44E-09
490736.72, 3859935.12	0.03298	0.00668022	7.58E-07	2.98E-07	1.20E-04	1.36E-08	5.36E-09
490086.72, 3859985.12	0.02691	0.00545072	6.18E-07	2.43E-07	9.81E-05	1.11E-08	4.37E-09
490136.72, 3859985.12	0.02791	0.00565327	6.41E-07	2.52E-07	1.02E-04	1.15E-08	4.54E-09
490186.72, 3859985.12	0.02868	0.00580924	6.59E-07	2.59E-07	1.05E-04	1.19E-08	4.66E-09
490236.72, 3859985.12	0.02933	0.0059409	6.74E-07	2.65E-07	1.07E-04	1.21E-08	4.77E-09
490286.72, 3859985.12	0.03045	0.00616776	7.00E-07	2.75E-07	1.11E-04	1.26E-08	4.95E-09
490336.72, 3859985.12	0.03164	0.0064088	7.27E-07	2.86E-07	1.15E-04	1.31E-08	5.14E-09
490386.72, 3859985.12	0.03319	0.00672275	7.63E-07	3.00E-07	1.21E-04	1.37E-08	5.39E-09
490436.72, 3859985.12	0.03442	0.00697189	7.91E-07	3.11E-07	1.26E-04	1.42E-08	5.59E-09
490486.72, 3859985.12	0.03541	0.00717242	8.14E-07	3.20E-07	1.29E-04	1.46E-08	5.75E-09
490536.72, 3859985.12	0.03588	0.00726762	8.24E-07	3.24E-07	1.31E-04	1.48E-08	5.83E-09
490586.72, 3859985.12	0.03593	0.00727775	8.25E-07	3.24E-07	1.31E-04	1.49E-08	5.84E-09
490636.72, 3859985.12	0.03558	0.00720686	8.17E-07	3.21E-07	1.30E-04	1.47E-08	5.78E-09
490686.72, 3859985.12	0.03392	0.00687062	7.79E-07	3.06E-07	1.24E-04	1.40E-08	5.51E-09
490736.72, 3859985.12	0.03471	0.00703064	7.97E-07	3.13E-07	1.27E-04	1.44E-08	5.64E-09
490786.72, 3859985.12	0.03516	0.00712178	8.08E-07	3.17E-07	1.28E-04	1.45E-08	5.71E-09
490086.72, 3860035.12	0.02677	0.00542236	6.15E-07	2.42E-07	9.76E-05	1.11E-08	4.35E-09
490136.72, 3860035.12	0.02756	0.00558238	6.33E-07	2.49E-07	1.01E-04	1.14E-08	4.48E-09
490186.72, 3860035.12	0.02833	0.00573834	6.51E-07	2.56E-07	1.03E-04	1.17E-08	4.60E-09
490236.72, 3860035.12	0.02913	0.00590039	6.69E-07	2.63E-07	1.06E-04	1.20E-08	4.73E-09
490286.72, 3860035.12	0.03018	0.00611307	6.93E-07	2.72E-07	1.10E-04	1.25E-08	4.90E-09
490336.72, 3860035.12	0.03091	0.00626093	7.10E-07	2.79E-07	1.13E-04	1.28E-08	5.02E-09
490386.72, 3860035.12	0.03245	0.00657286	7.46E-07	2.93E-07	1.18E-04	1.34E-08	5.27E-09
490436.72, 3860035.12	0.03381	0.00684834	7.77E-07	3.05E-07	1.23E-04	1.40E-08	5.49E-09
490486.72, 3860035.12	0.03502	0.00709343	8.05E-07	3.16E-07	1.28E-04	1.45E-08	5.69E-09
490536.72, 3860035.12	0.03578	0.00724737	8.22E-07	3.23E-07	1.30E-04	1.48E-08	5.81E-09
490586.72, 3860035.12	0.03655	0.00740333	8.40E-07	3.30E-07	1.33E-04	1.51E-08	5.94E-09
490636.72, 3860035.12	0.03771	0.0076383	8.66E-07	3.40E-07	1.38E-04	1.56E-08	6.13E-09
490686.72, 3860035.12	0.03769	0.00763425	8.66E-07	3.40E-07	1.37E-04	1.56E-08	6.12E-09
490736.72, 3860035.12	0.0363	0.0073527	8.34E-07	3.28E-07	1.32E-04	1.50E-08	5.90E-09
490786.72, 3860035.12	0.03689	0.0074722	8.48E-07	3.33E-07	1.35E-04	1.53E-08	5.99E-09
490836.72, 3860035.12	0.03768	0.00763222	8.66E-07	3.40E-07	1.37E-04	1.56E-08	6.12E-09
490086.72, 3860085.12	0.02616	0.0052988	6.01E-07	2.36E-07	9.54E-05	1.08E-08	4.25E-09
490136.72, 3860085.12	0.02774	0.00561884	6.37E-07	2.50E-07	1.01E-04	1.15E-08	4.51E-09
490186.72, 3860085.12	0.02804	0.0056796	6.44E-07	2.53E-07	1.02E-04	1.16E-08	4.56E-09
490236.72, 3860085.12	0.02883	0.00583962	6.62E-07	2.60E-07	1.05E-04	1.19E-08	4.68E-09
490286.72, 3860085.12	0.0297	0.00601584	6.82E-07	2.68E-07	1.08E-04	1.23E-08	4.83E-09
490336.72, 3860085.12	0.03083	0.00624473	7.08E-07	2.78E-07	1.12E-04	1.28E-08	5.01E-09

490386.72, 3860085.12	0.03199	0.00647969	7.35E-07	2.89E-07	1.17E-04	1.32E-08	5.20E-09
490436.72, 3860085.12	0.03324	0.00673288	7.64E-07	3.00E-07	1.21E-04	1.37E-08	5.40E-09
490486.72, 3860085.12	0.03466	0.00702051	7.96E-07	3.13E-07	1.26E-04	1.43E-08	5.63E-09
490536.72, 3860085.12	0.03561	0.00721293	8.18E-07	3.21E-07	1.30E-04	1.47E-08	5.79E-09
490586.72, 3860085.12	0.03653	0.00739928	8.39E-07	3.30E-07	1.33E-04	1.51E-08	5.94E-09
490636.72, 3860085.12	0.03775	0.0076464	8.67E-07	3.41E-07	1.38E-04	1.56E-08	6.13E-09
490686.72, 3860085.12	0.03834	0.0077659	8.81E-07	3.46E-07	1.40E-04	1.59E-08	6.23E-09
490736.72, 3860085.12	0.03845	0.00778819	8.83E-07	3.47E-07	1.40E-04	1.59E-08	6.25E-09
490786.72, 3860085.12	0.0385	0.00779831	8.85E-07	3.47E-07	1.40E-04	1.59E-08	6.26E-09
490836.72, 3860085.12	0.03951	0.00800289	9.08E-07	3.57E-07	1.44E-04	1.63E-08	6.42E-09
490086.72, 3860135.12	0.02831	0.00573429	6.50E-07	2.56E-07	1.03E-04	1.17E-08	4.60E-09
490136.72, 3860135.12	0.02855	0.00578291	6.56E-07	2.58E-07	1.04E-04	1.18E-08	4.64E-09
490186.72, 3860135.12	0.02878	0.00582949	6.61E-07	2.60E-07	1.05E-04	1.19E-08	4.68E-09
490236.72, 3860135.12	0.0295	0.00597533	6.78E-07	2.66E-07	1.08E-04	1.22E-08	4.79E-09
490286.72, 3860135.12	0.03012	0.00610091	6.92E-07	2.72E-07	1.10E-04	1.25E-08	4.89E-09
490336.72, 3860135.12	0.03088	0.00625486	7.09E-07	2.79E-07	1.13E-04	1.28E-08	5.02E-09
490386.72, 3860135.12	0.03191	0.00646349	7.33E-07	2.88E-07	1.16E-04	1.32E-08	5.19E-09
490436.72, 3860135.12	0.03318	0.00672073	7.62E-07	2.99E-07	1.21E-04	1.37E-08	5.39E-09
490486.72, 3860135.12	0.03433	0.00695367	7.89E-07	3.10E-07	1.25E-04	1.42E-08	5.58E-09
490536.72, 3860135.12	0.03518	0.00712584	8.08E-07	3.18E-07	1.28E-04	1.46E-08	5.72E-09
490586.72, 3860135.12	0.03628	0.00734864	8.34E-07	3.27E-07	1.32E-04	1.50E-08	5.90E-09
490636.72, 3860135.12	0.03746	0.00758766	8.61E-07	3.38E-07	1.37E-04	1.55E-08	6.09E-09
490686.72, 3860135.12	0.03871	0.00784085	8.89E-07	3.49E-07	1.41E-04	1.60E-08	6.29E-09
490736.72, 3860135.12	0.03961	0.00802315	9.10E-07	3.58E-07	1.44E-04	1.64E-08	6.44E-09
490786.72, 3860135.12	0.03987	0.00807581	9.16E-07	3.60E-07	1.45E-04	1.65E-08	6.48E-09
490836.72, 3860135.12	0.04109	0.00832293	9.44E-07	3.71E-07	1.50E-04	1.70E-08	6.68E-09
490086.72, 3860185.12	0.02963	0.00600166	6.81E-07	2.67E-07	1.08E-04	1.23E-08	4.81E-09
490136.72, 3860185.12	0.02956	0.00598748	6.79E-07	2.67E-07	1.08E-04	1.22E-08	4.80E-09
490186.72, 3860185.12	0.02975	0.00602597	6.83E-07	2.69E-07	1.08E-04	1.23E-08	4.83E-09
490236.72, 3860185.12	0.03035	0.0061475	6.97E-07	2.74E-07	1.11E-04	1.26E-08	4.93E-09
490286.72, 3860185.12	0.03099	0.00627714	7.12E-07	2.80E-07	1.13E-04	1.28E-08	5.04E-09
490336.72, 3860185.12	0.03172	0.006425	7.29E-07	2.86E-07	1.16E-04	1.31E-08	5.15E-09
490386.72, 3860185.12	0.03253	0.00658907	7.47E-07	2.94E-07	1.19E-04	1.35E-08	5.29E-09
490436.72, 3860185.12	0.03343	0.00677137	7.68E-07	3.02E-07	1.22E-04	1.38E-08	5.43E-09
490486.72, 3860185.12	0.03447	0.00698202	7.92E-07	3.11E-07	1.26E-04	1.43E-08	5.60E-09
490536.72, 3860185.12	0.03536	0.0071623	8.12E-07	3.19E-07	1.29E-04	1.46E-08	5.75E-09
490586.72, 3860185.12	0.03603	0.00729801	8.28E-07	3.25E-07	1.31E-04	1.49E-08	5.85E-09
490636.72, 3860185.12	0.03735	0.00756538	8.58E-07	3.37E-07	1.36E-04	1.54E-08	6.07E-09
490686.72, 3860185.12	0.03832	0.00776185	8.80E-07	3.46E-07	1.40E-04	1.58E-08	6.23E-09
490736.72, 3860185.12	0.03987	0.00807581	9.16E-07	3.60E-07	1.45E-04	1.65E-08	6.48E-09
490786.72, 3860185.12	0.04083	0.00827026	9.38E-07	3.69E-07	1.49E-04	1.69E-08	6.63E-09
490836.72, 3860185.12	0.04187	0.00848092	9.62E-07	3.78E-07	1.53E-04	1.73E-08	6.80E-09
490086.72, 3860235.12	0.03064	0.00620624	7.04E-07	2.77E-07	1.12E-04	1.27E-08	4.98E-09
490136.72, 3860235.12	0.0308	0.00623865	7.08E-07	2.78E-07	1.12E-04	1.27E-08	5.00E-09
490186.72, 3860235.12	0.03096	0.00627106	7.11E-07	2.79E-07	1.13E-04	1.28E-08	5.03E-09
490236.72, 3860235.12	0.03142	0.00636423	7.22E-07	2.84E-07	1.15E-04	1.30E-08	5.11E-09
490286.72, 3860235.12	0.03202	0.00648577	7.36E-07	2.89E-07	1.17E-04	1.32E-08	5.20E-09
490336.72, 3860235.12	0.03264	0.00661135	7.50E-07	2.95E-07	1.19E-04	1.35E-08	5.30E-09
490386.72, 3860235.12	0.03335	0.00675516	7.66E-07	3.01E-07	1.22E-04	1.38E-08	5.42E-09
490436.72, 3860235.12	0.03405	0.00689695	7.82E-07	3.07E-07	1.24E-04	1.41E-08	5.53E-09
490486.72, 3860235.12	0.03499	0.00708735	8.04E-07	3.16E-07	1.28E-04	1.45E-08	5.69E-09
490536.72, 3860235.12	0.03578	0.00724737	8.22E-07	3.23E-07	1.30E-04	1.48E-08	5.81E-09
490586.72, 3860235.12	0.03654	0.00740131	8.39E-07	3.30E-07	1.33E-04	1.51E-08	5.94E-09
490636.72, 3860235.12	0.03744	0.00758361	8.60E-07	3.38E-07	1.37E-04	1.55E-08	6.08E-09
490686.72, 3860235.12	0.03838	0.00777401	8.82E-07	3.46E-07	1.40E-04	1.59E-08	6.24E-09
490736.72, 3860235.12	0.03959	0.0080191	9.10E-07	3.57E-07	1.44E-04	1.64E-08	6.43E-09
490786.72, 3860235.12	0.04094	0.00829254	9.41E-07	3.70E-07	1.49E-04	1.69E-08	6.65E-09
490086.72, 3860285.12	0.03179	0.00643918	7.30E-07	2.87E-07	1.16E-04	1.31E-08	5.17E-09
490136.72, 3860285.12	0.03192	0.00646551	7.33E-07	2.88E-07	1.16E-04	1.32E-08	5.19E-09
490186.72, 3860285.12	0.03228	0.00653843	7.42E-07	2.91E-07	1.18E-04	1.34E-08	5.25E-09
490236.72, 3860285.12	0.03252	0.00658704	7.47E-07	2.94E-07	1.19E-04	1.35E-08	5.28E-09

490286.72, 3860285.12	0.03319	0.00672275	7.63E-07	3.00E-07	1.21E-04	1.37E-08	5.39E-09
490336.72, 3860285.12	0.03385	0.00685644	7.78E-07	3.06E-07	1.23E-04	1.40E-08	5.50E-09
490386.72, 3860285.12	0.03436	0.00695974	7.89E-07	3.10E-07	1.25E-04	1.42E-08	5.58E-09
490436.72, 3860285.12	0.03511	0.00711166	8.07E-07	3.17E-07	1.28E-04	1.45E-08	5.71E-09
490486.72, 3860285.12	0.03583	0.0072575	8.23E-07	3.23E-07	1.31E-04	1.48E-08	5.82E-09
490536.72, 3860285.12	0.03678	0.00744992	8.45E-07	3.32E-07	1.34E-04	1.52E-08	5.98E-09
490586.72, 3860285.12	0.03765	0.00762614	8.65E-07	3.40E-07	1.37E-04	1.56E-08	6.12E-09
490636.72, 3860285.12	0.03842	0.00778211	8.83E-07	3.47E-07	1.40E-04	1.59E-08	6.24E-09
490686.72, 3860285.12	0.03911	0.00792187	8.99E-07	3.53E-07	1.43E-04	1.62E-08	6.36E-09
490736.72, 3860285.12	0.04007	0.00811632	9.21E-07	3.62E-07	1.46E-04	1.66E-08	6.51E-09
490786.72, 3860285.12	0.041	0.0083047	9.42E-07	3.70E-07	1.50E-04	1.70E-08	6.66E-09
490086.72, 3860335.12	0.03287	0.00665794	7.55E-07	2.97E-07	1.20E-04	1.36E-08	5.34E-09
490136.72, 3860335.12	0.03296	0.00667617	7.57E-07	2.97E-07	1.20E-04	1.36E-08	5.36E-09
490186.72, 3860335.12	0.03338	0.00676124	7.67E-07	3.01E-07	1.22E-04	1.38E-08	5.42E-09
490236.72, 3860335.12	0.03359	0.00680378	7.72E-07	3.03E-07	1.22E-04	1.39E-08	5.46E-09
490286.72, 3860335.12	0.03425	0.00693746	7.87E-07	3.09E-07	1.25E-04	1.42E-08	5.57E-09
490336.72, 3860335.12	0.03498	0.00708532	8.04E-07	3.16E-07	1.28E-04	1.45E-08	5.68E-09
490386.72, 3860335.12	0.03562	0.00721496	8.18E-07	3.21E-07	1.30E-04	1.47E-08	5.79E-09
490436.72, 3860335.12	0.0363	0.0073527	8.34E-07	3.28E-07	1.32E-04	1.50E-08	5.90E-09
490486.72, 3860335.12	0.03707	0.00750866	8.52E-07	3.35E-07	1.35E-04	1.53E-08	6.02E-09
490536.72, 3860335.12	0.0377	0.00763627	8.66E-07	3.40E-07	1.37E-04	1.56E-08	6.13E-09
490586.72, 3860335.12	0.03867	0.00783275	8.88E-07	3.49E-07	1.41E-04	1.60E-08	6.28E-09
490636.72, 3860335.12	0.03946	0.00799276	9.07E-07	3.56E-07	1.44E-04	1.63E-08	6.41E-09
490686.72, 3860335.12	0.04024	0.00815076	9.24E-07	3.63E-07	1.47E-04	1.66E-08	6.54E-09
490736.72, 3860335.12	0.04104	0.0083128	9.43E-07	3.70E-07	1.50E-04	1.70E-08	6.67E-09
490786.72, 3860335.12	0.0415	0.00840597	9.53E-07	3.75E-07	1.51E-04	1.72E-08	6.74E-09
490086.72, 3860385.12	0.03363	0.00681188	7.73E-07	3.04E-07	1.23E-04	1.39E-08	5.46E-09
490136.72, 3860385.12	0.03373	0.00683213	7.75E-07	3.04E-07	1.23E-04	1.40E-08	5.48E-09
490186.72, 3860385.12	0.03436	0.00695974	7.89E-07	3.10E-07	1.25E-04	1.42E-08	5.58E-09
490236.72, 3860385.12	0.03471	0.00703064	7.97E-07	3.13E-07	1.27E-04	1.44E-08	5.64E-09
490286.72, 3860385.12	0.03534	0.00715824	8.12E-07	3.19E-07	1.29E-04	1.46E-08	5.74E-09
490336.72, 3860385.12	0.036	0.00729193	8.27E-07	3.25E-07	1.31E-04	1.49E-08	5.85E-09
490386.72, 3860385.12	0.03676	0.00744587	8.45E-07	3.32E-07	1.34E-04	1.52E-08	5.97E-09
490436.72, 3860385.12	0.03749	0.00759373	8.61E-07	3.38E-07	1.37E-04	1.55E-08	6.09E-09
490486.72, 3860385.12	0.03813	0.00772337	8.76E-07	3.44E-07	1.39E-04	1.58E-08	6.20E-09
490536.72, 3860385.12	0.03888	0.00787528	8.93E-07	3.51E-07	1.42E-04	1.61E-08	6.32E-09
490586.72, 3860385.12	0.03968	0.00803733	9.12E-07	3.58E-07	1.45E-04	1.64E-08	6.45E-09
490636.72, 3860385.12	0.04063	0.00822975	9.33E-07	3.67E-07	1.48E-04	1.68E-08	6.60E-09
490686.72, 3860385.12	0.04133	0.00837154	9.50E-07	3.73E-07	1.51E-04	1.71E-08	6.72E-09
490736.72, 3860385.12	0.04233	0.00857409	9.73E-07	3.82E-07	1.54E-04	1.75E-08	6.88E-09
490786.72, 3860385.12	0.04318	0.00874626	9.92E-07	3.90E-07	1.57E-04	1.79E-08	7.02E-09
490136.72, 3860435.12	0.0346	0.00700835	7.95E-07	3.12E-07	1.26E-04	1.43E-08	5.62E-09
490186.72, 3860435.12	0.03494	0.00707722	8.03E-07	3.15E-07	1.27E-04	1.45E-08	5.68E-09
490236.72, 3860435.12	0.03548	0.0071866	8.15E-07	3.20E-07	1.29E-04	1.47E-08	5.77E-09
490286.72, 3860435.12	0.03614	0.00732029	8.30E-07	3.26E-07	1.32E-04	1.49E-08	5.87E-09
490336.72, 3860435.12	0.037	0.00749448	8.50E-07	3.34E-07	1.35E-04	1.53E-08	6.01E-09
490386.72, 3860435.12	0.03771	0.0076383	8.66E-07	3.40E-07	1.38E-04	1.56E-08	6.13E-09
490436.72, 3860435.12	0.03849	0.00779629	8.84E-07	3.47E-07	1.40E-04	1.59E-08	6.25E-09
490486.72, 3860435.12	0.03929	0.00795833	9.03E-07	3.55E-07	1.43E-04	1.63E-08	6.38E-09
490536.72, 3860435.12	0.04002	0.00810619	9.19E-07	3.61E-07	1.46E-04	1.66E-08	6.50E-09
490586.72, 3860435.12	0.04094	0.00829254	9.41E-07	3.70E-07	1.49E-04	1.69E-08	6.65E-09
490636.72, 3860435.12	0.04193	0.00849307	9.63E-07	3.78E-07	1.53E-04	1.73E-08	6.81E-09
490686.72, 3860435.12	0.04276	0.00866119	9.82E-07	3.86E-07	1.56E-04	1.77E-08	6.95E-09
490736.72, 3860435.12	0.04343	0.0087969	9.98E-07	3.92E-07	1.58E-04	1.80E-08	7.06E-09
490786.72, 3860435.12	0.04446	0.00900553	1.02E-06	4.01E-07	1.62E-04	1.84E-08	7.22E-09
490136.72, 3860485.12	0.0348	0.00704887	8.00E-07	3.14E-07	1.27E-04	1.44E-08	5.65E-09
490186.72, 3860485.12	0.03536	0.0071623	8.12E-07	3.19E-07	1.29E-04	1.46E-08	5.75E-09
490236.72, 3860485.12	0.03612	0.00731624	8.30E-07	3.26E-07	1.32E-04	1.49E-08	5.87E-09
490286.72, 3860485.12	0.03667	0.00742764	8.42E-07	3.31E-07	1.34E-04	1.52E-08	5.96E-09
490336.72, 3860485.12	0.03756	0.00760791	8.63E-07	3.39E-07	1.37E-04	1.55E-08	6.10E-09
490386.72, 3860485.12	0.03826	0.0077497	8.79E-07	3.45E-07	1.40E-04	1.58E-08	6.22E-09

490436.72, 3860485.12	0.03879	0.00785705	8.91E-07	3.50E-07	1.41E-04	1.60E-08	6.30E-09
490486.72, 3860485.12	0.03983	0.00806771	9.15E-07	3.59E-07	1.45E-04	1.65E-08	6.47E-09
490536.72, 3860485.12	0.04093	0.00829052	9.40E-07	3.69E-07	1.49E-04	1.69E-08	6.65E-09
490586.72, 3860485.12	0.04199	0.00850523	9.65E-07	3.79E-07	1.53E-04	1.74E-08	6.82E-09
490636.72, 3860485.12	0.04283	0.00867537	9.84E-07	3.87E-07	1.56E-04	1.77E-08	6.96E-09
490686.72, 3860485.12	0.04399	0.00891033	1.01E-06	3.97E-07	1.60E-04	1.82E-08	7.15E-09
490736.72, 3860485.12	0.04485	0.00908453	1.03E-06	4.05E-07	1.64E-04	1.86E-08	7.29E-09
490786.72, 3860485.12	0.04579	0.00927493	1.05E-06	4.13E-07	1.67E-04	1.89E-08	7.44E-09
490136.72, 3860535.12	0.03513	0.00711571	8.07E-07	3.17E-07	1.28E-04	1.45E-08	5.71E-09
490186.72, 3860535.12	0.03511	0.00711166	8.07E-07	3.17E-07	1.28E-04	1.45E-08	5.71E-09
490236.72, 3860535.12	0.03642	0.007377	8.37E-07	3.29E-07	1.33E-04	1.51E-08	5.92E-09
490286.72, 3860535.12	0.03728	0.0075512	8.56E-07	3.36E-07	1.36E-04	1.54E-08	6.06E-09
490336.72, 3860535.12	0.03795	0.00768691	8.72E-07	3.43E-07	1.38E-04	1.57E-08	6.17E-09
490386.72, 3860535.12	0.03846	0.00779021	8.84E-07	3.47E-07	1.40E-04	1.59E-08	6.25E-09
490436.72, 3860535.12	0.03908	0.00791579	8.98E-07	3.53E-07	1.43E-04	1.62E-08	6.35E-09
490486.72, 3860535.12	0.0399	0.00808189	9.17E-07	3.60E-07	1.46E-04	1.65E-08	6.48E-09
490536.72, 3860535.12	0.03996	0.00809404	9.18E-07	3.61E-07	1.46E-04	1.65E-08	6.49E-09
490586.72, 3860535.12	0.04228	0.00856397	9.71E-07	3.82E-07	1.54E-04	1.75E-08	6.87E-09
490636.72, 3860535.12	0.04351	0.00881311	1.00E-06	3.93E-07	1.59E-04	1.80E-08	7.07E-09
490686.72, 3860535.12	0.04454	0.00902174	1.02E-06	4.02E-07	1.62E-04	1.84E-08	7.24E-09
490736.72, 3860535.12	0.0458	0.00927695	1.05E-06	4.13E-07	1.67E-04	1.89E-08	7.44E-09
490786.72, 3860535.12	0.04676	0.00947141	1.07E-06	4.22E-07	1.71E-04	1.93E-08	7.60E-09
490136.72, 3860585.12	0.03486	0.00706102	8.01E-07	3.15E-07	1.27E-04	1.44E-08	5.66E-09
490186.72, 3860585.12	0.03697	0.00748841	8.49E-07	3.34E-07	1.35E-04	1.53E-08	6.01E-09
490236.72, 3860585.12	0.03719	0.00753297	8.54E-07	3.36E-07	1.36E-04	1.54E-08	6.04E-09
490286.72, 3860585.12	0.03762	0.00762007	8.64E-07	3.40E-07	1.37E-04	1.56E-08	6.11E-09
490336.72, 3860585.12	0.03837	0.00777198	8.82E-07	3.46E-07	1.40E-04	1.59E-08	6.23E-09
490386.72, 3860585.12	0.03919	0.00793808	9.00E-07	3.54E-07	1.43E-04	1.62E-08	6.37E-09
490436.72, 3860585.12	0.03896	0.00789149	8.95E-07	3.52E-07	1.42E-04	1.61E-08	6.33E-09
490486.72, 3860585.12	0.03891	0.00788136	8.94E-07	3.51E-07	1.42E-04	1.61E-08	6.32E-09
490536.72, 3860585.12	0.04021	0.00814468	9.24E-07	3.63E-07	1.47E-04	1.66E-08	6.53E-09
490586.72, 3860585.12	0.04299	0.00870778	9.88E-07	3.88E-07	1.57E-04	1.78E-08	6.99E-09
490636.72, 3860585.12	0.04401	0.00891438	1.01E-06	3.97E-07	1.60E-04	1.82E-08	7.15E-09
490686.72, 3860585.12	0.04515	0.00914529	1.04E-06	4.08E-07	1.65E-04	1.87E-08	7.34E-09
490736.72, 3860585.12	0.04629	0.00937621	1.06E-06	4.18E-07	1.69E-04	1.91E-08	7.52E-09
490786.72, 3860585.12	0.04763	0.00964763	1.09E-06	4.30E-07	1.74E-04	1.97E-08	7.74E-09
490136.72, 3860635.12	0.03365	0.00681593	7.73E-07	3.04E-07	1.23E-04	1.39E-08	5.47E-09
490186.72, 3860635.12	0.03565	0.00722104	8.19E-07	3.22E-07	1.30E-04	1.47E-08	5.79E-09
490236.72, 3860635.12	0.03713	0.00752082	8.53E-07	3.35E-07	1.35E-04	1.54E-08	6.03E-09
490286.72, 3860635.12	0.03825	0.00774768	8.79E-07	3.45E-07	1.39E-04	1.58E-08	6.22E-09
490336.72, 3860635.12	0.03884	0.00786718	8.92E-07	3.51E-07	1.42E-04	1.61E-08	6.31E-09
490386.72, 3860635.12	0.03952	0.00800492	9.08E-07	3.57E-07	1.44E-04	1.63E-08	6.42E-09
490436.72, 3860635.12	0.04042	0.00818722	9.29E-07	3.65E-07	1.47E-04	1.67E-08	6.57E-09
490486.72, 3860635.12	0.04116	0.00833711	9.46E-07	3.71E-07	1.50E-04	1.70E-08	6.69E-09
490536.72, 3860635.12	0.04156	0.00841813	9.55E-07	3.75E-07	1.52E-04	1.72E-08	6.75E-09
490586.72, 3860635.12	0.04319	0.00874829	9.92E-07	3.90E-07	1.57E-04	1.79E-08	7.02E-09
490636.72, 3860635.12	0.04416	0.00894477	1.01E-06	3.99E-07	1.61E-04	1.83E-08	7.18E-09
490686.72, 3860635.12	0.04538	0.00919188	1.04E-06	4.10E-07	1.65E-04	1.88E-08	7.37E-09
490736.72, 3860635.12	0.04693	0.00950584	1.08E-06	4.24E-07	1.71E-04	1.94E-08	7.63E-09
490786.72, 3860635.12	0.04812	0.00974688	1.11E-06	4.34E-07	1.75E-04	1.99E-08	7.82E-09
490136.72, 3860685.12	0.0344	0.00696784	7.90E-07	3.10E-07	1.25E-04	1.42E-08	5.59E-09
490186.72, 3860685.12	0.03367	0.00681998	7.74E-07	3.04E-07	1.23E-04	1.39E-08	5.47E-09
490236.72, 3860685.12	0.03617	0.00732636	8.31E-07	3.26E-07	1.32E-04	1.50E-08	5.88E-09
490286.72, 3860685.12	0.03882	0.00786313	8.92E-07	3.50E-07	1.42E-04	1.61E-08	6.31E-09
490336.72, 3860685.12	0.03908	0.00791579	8.98E-07	3.53E-07	1.43E-04	1.62E-08	6.35E-09
490386.72, 3860685.12	0.03981	0.00806366	9.15E-07	3.59E-07	1.45E-04	1.65E-08	6.47E-09
490436.72, 3860685.12	0.04098	0.00830065	9.41E-07	3.70E-07	1.49E-04	1.70E-08	6.66E-09
490486.72, 3860685.12	0.0422	0.00854776	9.70E-07	3.81E-07	1.54E-04	1.75E-08	6.86E-09
490536.72, 3860685.12	0.04298	0.00870575	9.87E-07	3.88E-07	1.57E-04	1.78E-08	6.98E-09
490586.72, 3860685.12	0.04388	0.00888805	1.01E-06	3.96E-07	1.60E-04	1.81E-08	7.13E-09
490636.72, 3860685.12	0.04468	0.00905009	1.03E-06	4.03E-07	1.63E-04	1.85E-08	7.26E-09

490686.72, 3860685.12	0.04549	0.00921416	1.05E-06	4.11E-07	1.66E-04	1.88E-08	7.39E-09
490736.72, 3860685.12	0.04692	0.00950381	1.08E-06	4.23E-07	1.71E-04	1.94E-08	7.62E-09
490786.72, 3860685.12	0.04765	0.00965168	1.09E-06	4.30E-07	1.74E-04	1.97E-08	7.74E-09
490136.72, 3860735.12	0.03632	0.00735675	8.34E-07	3.28E-07	1.32E-04	1.50E-08	5.90E-09
490186.72, 3860735.12	0.03742	0.00757956	8.60E-07	3.38E-07	1.36E-04	1.55E-08	6.08E-09
490236.72, 3860735.12	0.03825	0.00774768	8.79E-07	3.45E-07	1.39E-04	1.58E-08	6.22E-09
490286.72, 3860735.12	0.03894	0.00788744	8.95E-07	3.51E-07	1.42E-04	1.61E-08	6.33E-09
490336.72, 3860735.12	0.03974	0.00804948	9.13E-07	3.59E-07	1.45E-04	1.64E-08	6.46E-09
490386.72, 3860735.12	0.04025	0.00815278	9.25E-07	3.63E-07	1.47E-04	1.66E-08	6.54E-09
490436.72, 3860735.12	0.0401	0.0081224	9.21E-07	3.62E-07	1.46E-04	1.66E-08	6.52E-09
490486.72, 3860735.12	0.04163	0.00843231	9.56E-07	3.76E-07	1.52E-04	1.72E-08	6.76E-09
490536.72, 3860735.12	0.04369	0.00884957	1.00E-06	3.94E-07	1.59E-04	1.81E-08	7.10E-09
490586.72, 3860735.12	0.04486	0.00908655	1.03E-06	4.05E-07	1.64E-04	1.86E-08	7.29E-09
490636.72, 3860735.12	0.04587	0.00929113	1.05E-06	4.14E-07	1.67E-04	1.90E-08	7.45E-09
490686.72, 3860735.12	0.04639	0.00939646	1.07E-06	4.19E-07	1.69E-04	1.92E-08	7.54E-09
490736.72, 3860735.12	0.04699	0.00951799	1.08E-06	4.24E-07	1.71E-04	1.94E-08	7.64E-09
490136.72, 3860785.12	0.03733	0.00756133	8.58E-07	3.37E-07	1.36E-04	1.54E-08	6.07E-09
490186.72, 3860785.12	0.03802	0.00770109	8.73E-07	3.43E-07	1.39E-04	1.57E-08	6.18E-09
490236.72, 3860785.12	0.03884	0.00786718	8.92E-07	3.51E-07	1.42E-04	1.61E-08	6.31E-09
490286.72, 3860785.12	0.0396	0.00802112	9.10E-07	3.57E-07	1.44E-04	1.64E-08	6.43E-09
490336.72, 3860785.12	0.04046	0.00819532	9.30E-07	3.65E-07	1.48E-04	1.67E-08	6.57E-09
490386.72, 3860785.12	0.04066	0.00823583	9.34E-07	3.67E-07	1.48E-04	1.68E-08	6.61E-09
490436.72, 3860785.12	0.04158	0.00842218	9.55E-07	3.75E-07	1.52E-04	1.72E-08	6.76E-09
490486.72, 3860785.12	0.04191	0.00848902	9.63E-07	3.78E-07	1.53E-04	1.73E-08	6.81E-09
490536.72, 3860785.12	0.04342	0.00879488	9.98E-07	3.92E-07	1.58E-04	1.80E-08	7.06E-09
490586.72, 3860785.12	0.04552	0.00922024	1.05E-06	4.11E-07	1.66E-04	1.88E-08	7.40E-09
490636.72, 3860785.12	0.04679	0.00947748	1.07E-06	4.22E-07	1.71E-04	1.94E-08	7.60E-09
490686.72, 3860785.12	0.04767	0.00965573	1.10E-06	4.30E-07	1.74E-04	1.97E-08	7.75E-09
490736.72, 3860785.12	0.04818	0.00975903	1.11E-06	4.35E-07	1.76E-04	1.99E-08	7.83E-09
490086.72, 3860835.12	0.03689	0.0074722	8.48E-07	3.33E-07	1.35E-04	1.53E-08	5.99E-09
490136.72, 3860835.12	0.03723	0.00754107	8.55E-07	3.36E-07	1.36E-04	1.54E-08	6.05E-09
490186.72, 3860835.12	0.03823	0.00774362	8.78E-07	3.45E-07	1.39E-04	1.58E-08	6.21E-09
490236.72, 3860835.12	0.03914	0.00792795	8.99E-07	3.53E-07	1.43E-04	1.62E-08	6.36E-09
490286.72, 3860835.12	0.0398	0.00806163	9.14E-07	3.59E-07	1.45E-04	1.65E-08	6.47E-09
490336.72, 3860835.12	0.0408	0.00826419	9.37E-07	3.68E-07	1.49E-04	1.69E-08	6.63E-09
490386.72, 3860835.12	0.04169	0.00844446	9.58E-07	3.76E-07	1.52E-04	1.72E-08	6.77E-09
490436.72, 3860835.12	0.04221	0.00854979	9.70E-07	3.81E-07	1.54E-04	1.75E-08	6.86E-09
490486.72, 3860835.12	0.04291	0.00869157	9.86E-07	3.87E-07	1.56E-04	1.77E-08	6.97E-09
490536.72, 3860835.12	0.04399	0.00891033	1.01E-06	3.97E-07	1.60E-04	1.82E-08	7.15E-09
490586.72, 3860835.12	0.04553	0.00922227	1.05E-06	4.11E-07	1.66E-04	1.88E-08	7.40E-09
490636.72, 3860835.12	0.04708	0.00953622	1.08E-06	4.25E-07	1.72E-04	1.95E-08	7.65E-09
490686.72, 3860835.12	0.04816	0.00975498	1.11E-06	4.35E-07	1.76E-04	1.99E-08	7.83E-09
490736.72, 3860835.12	0.0488	0.00988462	1.12E-06	4.40E-07	1.78E-04	2.02E-08	7.93E-09
490086.72, 3860885.12	0.03668	0.00742967	8.43E-07	3.31E-07	1.34E-04	1.52E-08	5.96E-09
490136.72, 3860885.12	0.03738	0.00757145	8.59E-07	3.37E-07	1.36E-04	1.55E-08	6.07E-09
490186.72, 3860885.12	0.03825	0.00774768	8.79E-07	3.45E-07	1.39E-04	1.58E-08	6.22E-09
490236.72, 3860885.12	0.03906	0.00791174	8.97E-07	3.53E-07	1.42E-04	1.62E-08	6.35E-09
490286.72, 3860885.12	0.03994	0.00808999	9.18E-07	3.60E-07	1.46E-04	1.65E-08	6.49E-09
490336.72, 3860885.12	0.041	0.0083047	9.42E-07	3.70E-07	1.50E-04	1.70E-08	6.66E-09
490386.72, 3860885.12	0.0417	0.00844649	9.58E-07	3.76E-07	1.52E-04	1.72E-08	6.78E-09
490436.72, 3860885.12	0.0423	0.00856802	9.72E-07	3.82E-07	1.54E-04	1.75E-08	6.87E-09
490486.72, 3860885.12	0.04318	0.00874626	9.92E-07	3.90E-07	1.57E-04	1.79E-08	7.02E-09
490536.72, 3860885.12	0.04429	0.0089711	1.02E-06	4.00E-07	1.62E-04	1.83E-08	7.20E-09
490586.72, 3860885.12	0.04566	0.0092486	1.05E-06	4.12E-07	1.67E-04	1.89E-08	7.42E-09
490636.72, 3860885.12	0.04719	0.0095585	1.08E-06	4.26E-07	1.72E-04	1.95E-08	7.67E-09
490686.72, 3860885.12	0.04851	0.00982588	1.11E-06	4.38E-07	1.77E-04	2.01E-08	7.88E-09
490736.72, 3860885.12	0.04972	0.01007096	1.14E-06	4.49E-07	1.81E-04	2.06E-08	8.08E-09
490086.72, 3860935.12	0.03707	0.00750866	8.52E-07	3.35E-07	1.35E-04	1.53E-08	6.02E-09
490136.72, 3860935.12	0.03808	0.00771324	8.75E-07	3.44E-07	1.39E-04	1.58E-08	6.19E-09
490186.72, 3860935.12	0.03864	0.00782667	8.88E-07	3.49E-07	1.41E-04	1.60E-08	6.28E-09
490236.72, 3860935.12	0.03932	0.00796441	9.03E-07	3.55E-07	1.43E-04	1.63E-08	6.39E-09

490286.72, 3860935.12	0.03999	0.00810012	9.19E-07	3.61E-07	1.46E-04	1.65E-08	6.50E-09
490336.72, 3860935.12	0.04107	0.00831888	9.44E-07	3.71E-07	1.50E-04	1.70E-08	6.67E-09
490386.72, 3860935.12	0.04169	0.00844446	9.58E-07	3.76E-07	1.52E-04	1.72E-08	6.77E-09
490436.72, 3860935.12	0.04234	0.00857612	9.73E-07	3.82E-07	1.54E-04	1.75E-08	6.88E-09
490486.72, 3860935.12	0.04338	0.00878678	9.97E-07	3.92E-07	1.58E-04	1.79E-08	7.05E-09
490536.72, 3860935.12	0.04437	0.0089873	1.02E-06	4.00E-07	1.62E-04	1.84E-08	7.21E-09
490586.72, 3860935.12	0.04574	0.0092648	1.05E-06	4.13E-07	1.67E-04	1.89E-08	7.43E-09
490636.72, 3860935.12	0.04723	0.00956661	1.09E-06	4.26E-07	1.72E-04	1.95E-08	7.67E-09
490686.72, 3860935.12	0.04861	0.00984613	1.12E-06	4.39E-07	1.77E-04	2.01E-08	7.90E-09
490736.72, 3860935.12	0.05002	0.01013173	1.15E-06	4.51E-07	1.82E-04	2.07E-08	8.13E-09
490786.72, 3860935.12	0.05137	0.01040518	1.18E-06	4.64E-07	1.87E-04	2.12E-08	8.35E-09
490836.72, 3860935.12	0.05223	0.01057937	1.20E-06	4.71E-07	1.90E-04	2.16E-08	8.49E-09
490086.72, 3860985.12	0.03738	0.00757145	8.59E-07	3.37E-07	1.36E-04	1.55E-08	6.07E-09
490136.72, 3860985.12	0.03814	0.00772539	8.76E-07	3.44E-07	1.39E-04	1.58E-08	6.20E-09
490186.72, 3860985.12	0.03865	0.0078287	8.88E-07	3.49E-07	1.41E-04	1.60E-08	6.28E-09
490236.72, 3860985.12	0.0397	0.00804138	9.12E-07	3.58E-07	1.45E-04	1.64E-08	6.45E-09
490286.72, 3860985.12	0.04058	0.00821963	9.32E-07	3.66E-07	1.48E-04	1.68E-08	6.59E-09
490336.72, 3860985.12	0.04143	0.0083918	9.52E-07	3.74E-07	1.51E-04	1.71E-08	6.73E-09
490386.72, 3860985.12	0.04218	0.00854371	9.69E-07	3.81E-07	1.54E-04	1.74E-08	6.85E-09
490436.72, 3860985.12	0.04258	0.00862473	9.78E-07	3.84E-07	1.55E-04	1.76E-08	6.92E-09
490486.72, 3860985.12	0.04364	0.00883944	1.00E-06	3.94E-07	1.59E-04	1.81E-08	7.09E-09
490536.72, 3860985.12	0.04492	0.00909871	1.03E-06	4.05E-07	1.64E-04	1.86E-08	7.30E-09
490586.72, 3860985.12	0.04624	0.00936608	1.06E-06	4.17E-07	1.69E-04	1.91E-08	7.51E-09
490636.72, 3860985.12	0.04739	0.00959902	1.09E-06	4.28E-07	1.73E-04	1.96E-08	7.70E-09
490686.72, 3860985.12	0.04894	0.00991297	1.12E-06	4.42E-07	1.78E-04	2.02E-08	7.95E-09
490736.72, 3860985.12	0.05054	0.01023706	1.16E-06	4.56E-07	1.84E-04	2.09E-08	8.21E-09
490786.72, 3860985.12	0.05192	0.01051658	1.19E-06	4.69E-07	1.89E-04	2.15E-08	8.44E-09
490836.72, 3860985.12	0.05303	0.01074142	1.22E-06	4.79E-07	1.93E-04	2.19E-08	8.62E-09
490086.72, 3861035.12	0.03808	0.00771324	8.75E-07	3.44E-07	1.39E-04	1.58E-08	6.19E-09
490136.72, 3861035.12	0.03874	0.00784693	8.90E-07	3.50E-07	1.41E-04	1.60E-08	6.30E-09
490186.72, 3861035.12	0.03953	0.00800694	9.08E-07	3.57E-07	1.44E-04	1.64E-08	6.42E-09
490236.72, 3861035.12	0.0402	0.00814265	9.24E-07	3.63E-07	1.47E-04	1.66E-08	6.53E-09
490286.72, 3861035.12	0.04127	0.00835939	9.48E-07	3.72E-07	1.50E-04	1.71E-08	6.71E-09
490336.72, 3861035.12	0.04226	0.00855992	9.71E-07	3.81E-07	1.54E-04	1.75E-08	6.87E-09
490386.72, 3861035.12	0.04272	0.00865309	9.81E-07	3.86E-07	1.56E-04	1.77E-08	6.94E-09
490436.72, 3861035.12	0.0432	0.00875032	9.93E-07	3.90E-07	1.58E-04	1.79E-08	7.02E-09
490486.72, 3861035.12	0.04417	0.00894679	1.01E-06	3.99E-07	1.61E-04	1.83E-08	7.18E-09
490536.72, 3861035.12	0.0454	0.00919593	1.04E-06	4.10E-07	1.66E-04	1.88E-08	7.38E-09
490586.72, 3861035.12	0.04677	0.00947343	1.07E-06	4.22E-07	1.71E-04	1.93E-08	7.60E-09
490636.72, 3861035.12	0.04823	0.00976916	1.11E-06	4.35E-07	1.76E-04	1.99E-08	7.84E-09
490686.72, 3861035.12	0.04976	0.01007907	1.14E-06	4.49E-07	1.81E-04	2.06E-08	8.09E-09
490736.72, 3861035.12	0.0513	0.010391	1.18E-06	4.63E-07	1.87E-04	2.12E-08	8.34E-09
490786.72, 3861035.12	0.05263	0.0106604	1.21E-06	4.75E-07	1.92E-04	2.18E-08	8.55E-09
490836.72, 3861035.12	0.05392	0.01092169	1.24E-06	4.87E-07	1.97E-04	2.23E-08	8.76E-09
490086.72, 3861085.12	0.03889	0.00787731	8.93E-07	3.51E-07	1.42E-04	1.61E-08	6.32E-09
490136.72, 3861085.12	0.0393	0.00796036	9.03E-07	3.55E-07	1.43E-04	1.63E-08	6.39E-09
490186.72, 3861085.12	0.03965	0.00803125	9.11E-07	3.58E-07	1.45E-04	1.64E-08	6.44E-09
490236.72, 3861085.12	0.04075	0.00825406	9.36E-07	3.68E-07	1.49E-04	1.69E-08	6.62E-09
490286.72, 3861085.12	0.04179	0.00846471	9.60E-07	3.77E-07	1.52E-04	1.73E-08	6.79E-09
490336.72, 3861085.12	0.04287	0.00868347	9.85E-07	3.87E-07	1.56E-04	1.77E-08	6.97E-09
490386.72, 3861085.12	0.04344	0.00879893	9.98E-07	3.92E-07	1.58E-04	1.80E-08	7.06E-09
490436.72, 3861085.12	0.04431	0.00897515	1.02E-06	4.00E-07	1.62E-04	1.83E-08	7.20E-09
490486.72, 3861085.12	0.04526	0.00916758	1.04E-06	4.09E-07	1.65E-04	1.87E-08	7.35E-09
490536.72, 3861085.12	0.04601	0.00931949	1.06E-06	4.15E-07	1.68E-04	1.90E-08	7.48E-09
490586.72, 3861085.12	0.04744	0.00960914	1.09E-06	4.28E-07	1.73E-04	1.96E-08	7.71E-09
490636.72, 3861085.12	0.04922	0.00996969	1.13E-06	4.44E-07	1.79E-04	2.04E-08	8.00E-09
490686.72, 3861085.12	0.05077	0.01028365	1.17E-06	4.58E-07	1.85E-04	2.10E-08	8.25E-09
490736.72, 3861085.12	0.05216	0.0105652	1.20E-06	4.71E-07	1.90E-04	2.16E-08	8.48E-09
490786.72, 3861085.12	0.05357	0.0108508	1.23E-06	4.84E-07	1.95E-04	2.22E-08	8.70E-09
490836.72, 3861085.12	0.05502	0.0111445	1.26E-06	4.97E-07	2.01E-04	2.28E-08	8.94E-09
490086.72, 3861135.12	0.03975	0.00805151	9.13E-07	3.59E-07	1.45E-04	1.64E-08	6.46E-09

490136.72, 3861135.12	0.0403	0.00816291	9.26E-07	3.64E-07	1.47E-04	1.67E-08	6.55E-09
490186.72, 3861135.12	0.04078	0.00826014	9.37E-07	3.68E-07	1.49E-04	1.69E-08	6.63E-09
490236.72, 3861135.12	0.04143	0.0083918	9.52E-07	3.74E-07	1.51E-04	1.71E-08	6.73E-09
490286.72, 3861135.12	0.04232	0.00857207	9.72E-07	3.82E-07	1.54E-04	1.75E-08	6.88E-09
490336.72, 3861135.12	0.04339	0.0087888	9.97E-07	3.92E-07	1.58E-04	1.79E-08	7.05E-09
490386.72, 3861135.12	0.04423	0.00895895	1.02E-06	3.99E-07	1.61E-04	1.83E-08	7.19E-09
490436.72, 3861135.12	0.04523	0.0091615	1.04E-06	4.08E-07	1.65E-04	1.87E-08	7.35E-09
490486.72, 3861135.12	0.04615	0.00934785	1.06E-06	4.17E-07	1.68E-04	1.91E-08	7.50E-09
490536.72, 3861135.12	0.04716	0.00955243	1.08E-06	4.26E-07	1.72E-04	1.95E-08	7.66E-09
490586.72, 3861135.12	0.04845	0.00981372	1.11E-06	4.37E-07	1.77E-04	2.00E-08	7.87E-09
490636.72, 3861135.12	0.05014	0.01015604	1.15E-06	4.53E-07	1.83E-04	2.07E-08	8.15E-09
490686.72, 3861135.12	0.05155	0.01044164	1.18E-06	4.65E-07	1.88E-04	2.13E-08	8.38E-09
490736.72, 3861135.12	0.0529	0.01071509	1.22E-06	4.77E-07	1.93E-04	2.19E-08	8.60E-09
490786.72, 3861135.12	0.05437	0.01101284	1.25E-06	4.91E-07	1.98E-04	2.25E-08	8.83E-09
490836.72, 3861135.12	0.056	0.011343	1.29E-06	5.05E-07	2.04E-04	2.32E-08	9.10E-09
490086.72, 3861185.12	0.04057	0.0082176	9.32E-07	3.66E-07	1.48E-04	1.68E-08	6.59E-09
490136.72, 3861185.12	0.0415	0.00840597	9.53E-07	3.75E-07	1.51E-04	1.72E-08	6.74E-09
490186.72, 3861185.12	0.04217	0.00854169	9.69E-07	3.81E-07	1.54E-04	1.74E-08	6.85E-09
490236.72, 3861185.12	0.04279	0.00866727	9.83E-07	3.86E-07	1.56E-04	1.77E-08	6.95E-09
490286.72, 3861185.12	0.04324	0.00875842	9.93E-07	3.90E-07	1.58E-04	1.79E-08	7.03E-09
490336.72, 3861185.12	0.04473	0.00906022	1.03E-06	4.04E-07	1.63E-04	1.85E-08	7.27E-09
490386.72, 3861185.12	0.04557	0.00923037	1.05E-06	4.11E-07	1.66E-04	1.88E-08	7.40E-09
490436.72, 3861185.12	0.04621	0.00936	1.06E-06	4.17E-07	1.69E-04	1.91E-08	7.51E-09
490486.72, 3861185.12	0.04726	0.00957268	1.09E-06	4.27E-07	1.72E-04	1.95E-08	7.68E-09
490536.72, 3861185.12	0.04768	0.00965776	1.10E-06	4.30E-07	1.74E-04	1.97E-08	7.75E-09
490586.72, 3861185.12	0.04917	0.00995956	1.13E-06	4.44E-07	1.79E-04	2.03E-08	7.99E-09
490636.72, 3861185.12	0.05121	0.01037277	1.18E-06	4.62E-07	1.87E-04	2.12E-08	8.32E-09
490686.72, 3861185.12	0.05267	0.0106685	1.21E-06	4.75E-07	1.92E-04	2.18E-08	8.56E-09
490736.72, 3861185.12	0.05376	0.01088928	1.24E-06	4.85E-07	1.96E-04	2.22E-08	8.74E-09
490786.72, 3861185.12	0.0551	0.0111607	1.27E-06	4.97E-07	2.01E-04	2.28E-08	8.95E-09
490836.72, 3861185.12	0.0567	0.01148479	1.30E-06	5.12E-07	2.07E-04	2.35E-08	9.21E-09
490086.72, 3861235.12	0.04147	0.0083999	9.53E-07	3.74E-07	1.51E-04	1.72E-08	6.74E-09
490136.72, 3861235.12	0.04236	0.00858017	9.73E-07	3.82E-07	1.54E-04	1.75E-08	6.88E-09
490186.72, 3861235.12	0.04302	0.00871386	9.88E-07	3.88E-07	1.57E-04	1.78E-08	6.99E-09
490236.72, 3861235.12	0.04403	0.00891843	1.01E-06	3.97E-07	1.61E-04	1.82E-08	7.15E-09
490386.72, 3861235.12	0.04689	0.00949774	1.08E-06	4.23E-07	1.71E-04	1.94E-08	7.62E-09
490436.72, 3861235.12	0.04799	0.00972055	1.10E-06	4.33E-07	1.75E-04	1.98E-08	7.80E-09
490486.72, 3861235.12	0.04902	0.00992918	1.13E-06	4.42E-07	1.79E-04	2.03E-08	7.97E-09
490536.72, 3861235.12	0.04907	0.00993931	1.13E-06	4.43E-07	1.79E-04	2.03E-08	7.97E-09
490586.72, 3861235.12	0.04961	0.01004868	1.14E-06	4.48E-07	1.81E-04	2.05E-08	8.06E-09
490636.72, 3861235.12	0.05225	0.01058343	1.20E-06	4.72E-07	1.91E-04	2.16E-08	8.49E-09
490686.72, 3861235.12	0.05364	0.01086498	1.23E-06	4.84E-07	1.96E-04	2.22E-08	8.72E-09
490736.72, 3861235.12	0.05468	0.01107563	1.26E-06	4.94E-07	1.99E-04	2.26E-08	8.89E-09
490786.72, 3861235.12	0.05576	0.01129439	1.28E-06	5.03E-07	2.03E-04	2.31E-08	9.06E-09
490836.72, 3861235.12	0.05732	0.01161037	1.32E-06	5.17E-07	2.09E-04	2.37E-08	9.31E-09
490086.72, 3861285.12	0.04207	0.00852143	9.67E-07	3.80E-07	1.53E-04	1.74E-08	6.84E-09
490136.72, 3861285.12	0.04255	0.00861866	9.78E-07	3.84E-07	1.55E-04	1.76E-08	6.91E-09
490186.72, 3861285.12	0.04378	0.0088678	1.01E-06	3.95E-07	1.60E-04	1.81E-08	7.11E-09
490236.72, 3861285.12	0.04479	0.00907238	1.03E-06	4.04E-07	1.63E-04	1.85E-08	7.28E-09
490386.72, 3861285.12	0.0478	0.00968206	1.10E-06	4.31E-07	1.74E-04	1.98E-08	7.77E-09
490436.72, 3861285.12	0.04863	0.00985018	1.12E-06	4.39E-07	1.77E-04	2.01E-08	7.90E-09
490486.72, 3861285.12	0.04986	0.01009932	1.15E-06	4.50E-07	1.82E-04	2.06E-08	8.10E-09
490536.72, 3861285.12	0.05084	0.01029782	1.17E-06	4.59E-07	1.85E-04	2.10E-08	8.26E-09
490586.72, 3861285.12	0.05168	0.01046797	1.19E-06	4.66E-07	1.88E-04	2.14E-08	8.40E-09
490636.72, 3861285.12	0.05348	0.01083257	1.23E-06	4.83E-07	1.95E-04	2.21E-08	8.69E-09
490686.72, 3861285.12	0.05474	0.01108778	1.26E-06	4.94E-07	2.00E-04	2.26E-08	8.89E-09
490736.72, 3861285.12	0.05526	0.01119311	1.27E-06	4.99E-07	2.02E-04	2.29E-08	8.98E-09
490786.72, 3861285.12	0.0567	0.01148479	1.30E-06	5.12E-07	2.07E-04	2.35E-08	9.21E-09
490836.72, 3861285.12	0.05853	0.01185546	1.34E-06	5.28E-07	2.13E-04	2.42E-08	9.51E-09
490061.24, 3859716.13	0.0288	0.00583354	6.62E-07	2.60E-07	1.05E-04	1.19E-08	4.68E-09
490111.24, 3859716.13	0.02923	0.00592064	6.72E-07	2.64E-07	1.07E-04	1.21E-08	4.75E-09

490161.24, 3859716.13	0.0298	0.0060361	6.85E-07	2.69E-07	1.09E-04	1.23E-08	4.84E-09
490211.24, 3859716.13	0.03052	0.00618194	7.01E-07	2.75E-07	1.11E-04	1.26E-08	4.96E-09
490061.24, 3859766.13	0.02859	0.00579101	6.57E-07	2.58E-07	1.04E-04	1.18E-08	4.65E-09
490111.24, 3859766.13	0.02935	0.00594495	6.74E-07	2.65E-07	1.07E-04	1.21E-08	4.77E-09
490161.24, 3859766.13	0.03018	0.00611307	6.93E-07	2.72E-07	1.10E-04	1.25E-08	4.90E-09
490211.24, 3859766.13	0.03083	0.00624473	7.08E-07	2.78E-07	1.12E-04	1.28E-08	5.01E-09
490061.24, 3859816.13	0.02829	0.00573024	6.50E-07	2.55E-07	1.03E-04	1.17E-08	4.60E-09
490111.24, 3859816.13	0.02928	0.00593077	6.73E-07	2.64E-07	1.07E-04	1.21E-08	4.76E-09
490161.24, 3859816.13	0.03013	0.00610294	6.92E-07	2.72E-07	1.10E-04	1.25E-08	4.90E-09
490211.24, 3859816.13	0.03098	0.00627511	7.12E-07	2.80E-07	1.13E-04	1.28E-08	5.03E-09
490061.24, 3859866.13	0.02782	0.00563504	6.39E-07	2.51E-07	1.01E-04	1.15E-08	4.52E-09
490111.24, 3859866.13	0.02879	0.00583152	6.61E-07	2.60E-07	1.05E-04	1.19E-08	4.68E-09
490161.24, 3859866.13	0.02967	0.00600977	6.82E-07	2.68E-07	1.08E-04	1.23E-08	4.82E-09
490211.24, 3859866.13	0.03055	0.00618801	7.02E-07	2.76E-07	1.11E-04	1.26E-08	4.96E-09
490061.24, 3859916.13	0.02736	0.00554187	6.29E-07	2.47E-07	9.98E-05	1.13E-08	4.45E-09
490111.24, 3859916.13	0.02818	0.00570796	6.47E-07	2.54E-07	1.03E-04	1.17E-08	4.58E-09
490161.24, 3859916.13	0.02912	0.00589836	6.69E-07	2.63E-07	1.06E-04	1.20E-08	4.73E-09
490211.24, 3859916.13	0.03017	0.00611104	6.93E-07	2.72E-07	1.10E-04	1.25E-08	4.90E-09
490229.25, 3859815.26	0.0311	0.00629942	7.15E-07	2.81E-07	1.13E-04	1.29E-08	5.05E-09
490279.25, 3859815.26	0.03198	0.00647766	7.35E-07	2.89E-07	1.17E-04	1.32E-08	5.20E-09
490329.25, 3859815.26	0.03283	0.00664983	7.54E-07	2.96E-07	1.20E-04	1.36E-08	5.33E-09
490379.25, 3859815.26	0.0331	0.00670452	7.60E-07	2.99E-07	1.21E-04	1.37E-08	5.38E-09
490429.25, 3859815.26	0.03287	0.00665794	7.55E-07	2.97E-07	1.20E-04	1.36E-08	5.34E-09
490229.25, 3859865.26	0.03087	0.00625283	7.09E-07	2.79E-07	1.13E-04	1.28E-08	5.02E-09
490279.25, 3859865.26	0.03185	0.00645133	7.32E-07	2.87E-07	1.16E-04	1.32E-08	5.18E-09
490329.25, 3859865.26	0.03282	0.00664781	7.54E-07	2.96E-07	1.20E-04	1.36E-08	5.33E-09
490379.25, 3859865.26	0.0335	0.00678555	7.70E-07	3.02E-07	1.22E-04	1.39E-08	5.44E-09
490429.25, 3859865.26	0.03395	0.00687669	7.80E-07	3.06E-07	1.24E-04	1.40E-08	5.52E-09
490229.25, 3859915.26	0.03047	0.00617181	7.00E-07	2.75E-07	1.11E-04	1.26E-08	4.95E-09
490279.25, 3859915.26	0.03167	0.00641487	7.28E-07	2.86E-07	1.15E-04	1.31E-08	5.15E-09
490329.25, 3859915.26	0.03268	0.00661945	7.51E-07	2.95E-07	1.19E-04	1.35E-08	5.31E-09
490379.25, 3859915.26	0.03355	0.00679567	7.71E-07	3.03E-07	1.22E-04	1.39E-08	5.45E-09
490429.25, 3859915.26	0.03444	0.00697595	7.91E-07	3.11E-07	1.26E-04	1.42E-08	5.60E-09
490451.43, 3859872.59	0.03434	0.00695569	7.89E-07	3.10E-07	1.25E-04	1.42E-08	5.58E-09
490501.43, 3859872.59	0.03428	0.00694354	7.88E-07	3.09E-07	1.25E-04	1.42E-08	5.57E-09
490551.43, 3859872.59	0.03346	0.00677744	7.69E-07	3.02E-07	1.22E-04	1.38E-08	5.44E-09
490601.43, 3859872.59	0.03266	0.0066154	7.50E-07	2.95E-07	1.19E-04	1.35E-08	5.31E-09
490451.43, 3859922.59	0.0348	0.00704887	8.00E-07	3.14E-07	1.27E-04	1.44E-08	5.65E-09
490501.43, 3859922.59	0.03527	0.00714407	8.10E-07	3.18E-07	1.29E-04	1.46E-08	5.73E-09
490551.43, 3859922.59	0.03494	0.00707722	8.03E-07	3.15E-07	1.27E-04	1.45E-08	5.68E-09
490601.43, 3859922.59	0.0342	0.00692733	7.86E-07	3.09E-07	1.25E-04	1.41E-08	5.56E-09
482129.67, 3852241.07	0.00425	0.00086085	9.76E-08	3.84E-08	1.55E-05	1.76E-09	6.91E-10
482029.67, 3852291.07	0.00457	0.00092567	1.05E-07	4.12E-08	1.67E-05	1.89E-09	7.43E-10
482079.67, 3852291.07	0.00449	0.00090947	1.03E-07	4.05E-08	1.64E-05	1.86E-09	7.30E-10
482129.67, 3852291.07	0.0044	0.00089124	1.01E-07	3.97E-08	1.60E-05	1.82E-09	7.15E-10
482179.67, 3852291.07	0.00425	0.00086085	9.76E-08	3.84E-08	1.55E-05	1.76E-09	6.91E-10
482229.67, 3852291.07	0.00405	0.00082034	9.30E-08	3.66E-08	1.48E-05	1.68E-09	6.58E-10
482029.67, 3852341.07	0.00473	0.00095808	1.09E-07	4.27E-08	1.72E-05	1.96E-09	7.69E-10
482079.67, 3852341.07	0.00465	0.00094187	1.07E-07	4.20E-08	1.70E-05	1.92E-09	7.56E-10
482129.67, 3852341.07	0.00457	0.00092567	1.05E-07	4.12E-08	1.67E-05	1.89E-09	7.43E-10
482179.67, 3852341.07	0.00444	0.00089934	1.02E-07	4.01E-08	1.62E-05	1.84E-09	7.21E-10
482259.06, 3852400.14	0.00459	0.00092972	1.05E-07	4.14E-08	1.67E-05	1.90E-09	7.46E-10
482309.06, 3852400.14	0.00427	0.0008649	9.81E-08	3.85E-08	1.56E-05	1.77E-09	6.94E-10
482209.06, 3852450.14	0.00494	0.00100061	1.13E-07	4.46E-08	1.80E-05	2.04E-09	8.03E-10
482259.06, 3852450.14	0.00482	0.00097631	1.11E-07	4.35E-08	1.76E-05	1.99E-09	7.83E-10
482309.06, 3852450.14	0.00448	0.00090744	1.03E-07	4.04E-08	1.63E-05	1.85E-09	7.28E-10
482209.06, 3852500.14	0.00506	0.00102492	1.16E-07	4.57E-08	1.85E-05	2.09E-09	8.22E-10
482259.06, 3852500.14	0.00494	0.00100061	1.13E-07	4.46E-08	1.80E-05	2.04E-09	8.03E-10
482309.06, 3852500.14	0.00478	0.00096821	1.10E-07	4.31E-08	1.74E-05	1.98E-09	7.77E-10
482283.91, 3852513.62	0.00492	0.00099656	1.13E-07	4.44E-08	1.79E-05	2.04E-09	7.99E-10
482333.91, 3852513.62	0.00468	0.00094795	1.08E-07	4.22E-08	1.71E-05	1.94E-09	7.60E-10

482283.91, 3852563.62	0.00511	0.00103505	1.17E-07	4.61E-08	1.86E-05	2.11E-09	8.30E-10
482333.91, 3852563.62	0.00501	0.00101479	1.15E-07	4.52E-08	1.83E-05	2.07E-09	8.14E-10
482383.91, 3852563.62	0.00483	0.00097833	1.11E-07	4.36E-08	1.76E-05	2.00E-09	7.85E-10
482283.91, 3852613.62	0.00515	0.00104315	1.18E-07	4.65E-08	1.88E-05	2.13E-09	8.37E-10
482333.91, 3852613.62	0.00514	0.00104113	1.18E-07	4.64E-08	1.87E-05	2.13E-09	8.35E-10
482383.91, 3852613.62	0.00511	0.00103505	1.17E-07	4.61E-08	1.86E-05	2.11E-09	8.30E-10
482602.38, 3852600.87	0.00422	0.00085478	9.70E-08	3.81E-08	1.54E-05	1.75E-09	6.86E-10
482652.38, 3852600.87	0.00422	0.00085478	9.70E-08	3.81E-08	1.54E-05	1.75E-09	6.86E-10
482702.38, 3852600.87	0.00396	0.00080211	9.10E-08	3.57E-08	1.44E-05	1.64E-09	6.43E-10
482552.38, 3852650.87	0.00459	0.00092972	1.05E-07	4.14E-08	1.67E-05	1.90E-09	7.46E-10
482602.38, 3852650.87	0.00456	0.00092364	1.05E-07	4.12E-08	1.66E-05	1.89E-09	7.41E-10
482652.38, 3852650.87	0.00446	0.00090339	1.02E-07	4.03E-08	1.63E-05	1.84E-09	7.25E-10
482702.38, 3852650.87	0.00429	0.00086895	9.86E-08	3.87E-08	1.56E-05	1.77E-09	6.97E-10
482552.38, 3852700.87	0.00486	0.00098441	1.12E-07	4.39E-08	1.77E-05	2.01E-09	7.90E-10
482602.38, 3852700.87	0.0048	0.00097226	1.10E-07	4.33E-08	1.75E-05	1.99E-09	7.80E-10
482652.38, 3852700.87	0.00485	0.00098238	1.11E-07	4.38E-08	1.77E-05	2.01E-09	7.88E-10
482702.38, 3852700.87	0.0047	0.000952	1.08E-07	4.24E-08	1.71E-05	1.94E-09	7.64E-10
482452.38, 3852750.87	0.00522	0.00105733	1.20E-07	4.71E-08	1.90E-05	2.16E-09	8.48E-10
482521.29, 3852749.74	0.00511	0.00103505	1.17E-07	4.61E-08	1.86E-05	2.11E-09	8.30E-10
482571.29, 3852749.74	0.00504	0.00102087	1.16E-07	4.55E-08	1.84E-05	2.08E-09	8.19E-10
482521.29, 3852799.74	0.00527	0.00106746	1.21E-07	4.76E-08	1.92E-05	2.18E-09	8.56E-10
482571.29, 3852799.74	0.00522	0.00105733	1.20E-07	4.71E-08	1.90E-05	2.16E-09	8.48E-10
482621.29, 3852799.74	0.00514	0.00104113	1.18E-07	4.64E-08	1.87E-05	2.13E-09	8.35E-10
482571.29, 3852849.74	0.00529	0.00107151	1.22E-07	4.77E-08	1.93E-05	2.19E-09	8.60E-10
482621.29, 3852849.74	0.0052	0.00105328	1.19E-07	4.69E-08	1.90E-05	2.15E-09	8.45E-10
482577.42, 3852901.55	0.00531	0.00107556	1.22E-07	4.79E-08	1.94E-05	2.20E-09	8.63E-10
482627.42, 3852901.55	0.00522	0.00105733	1.20E-07	4.71E-08	1.90E-05	2.16E-09	8.48E-10
482629.96, 3852955.85	0.00528	0.00106948	1.21E-07	4.77E-08	1.93E-05	2.18E-09	8.58E-10
482679.96, 3852955.85	0.00521	0.0010553	1.20E-07	4.70E-08	1.90E-05	2.15E-09	8.47E-10
482781.63, 3853034.48	0.00511	0.00103505	1.17E-07	4.61E-08	1.86E-05	2.11E-09	8.30E-10
482831.63, 3853034.48	0.00501	0.00101479	1.15E-07	4.52E-08	1.83E-05	2.07E-09	8.14E-10
482881.63, 3853034.48	0.00492	0.00099656	1.13E-07	4.44E-08	1.79E-05	2.04E-09	7.99E-10
482781.63, 3853084.48	0.00518	0.00104923	1.19E-07	4.68E-08	1.89E-05	2.14E-09	8.42E-10
482831.63, 3853084.48	0.00508	0.00102897	1.17E-07	4.59E-08	1.85E-05	2.10E-09	8.25E-10
482881.63, 3853084.48	0.00501	0.00101479	1.15E-07	4.52E-08	1.83E-05	2.07E-09	8.14E-10
482781.63, 3853134.48	0.00526	0.00106543	1.21E-07	4.75E-08	1.92E-05	2.18E-09	8.55E-10
482831.63, 3853134.48	0.00518	0.00104923	1.19E-07	4.68E-08	1.89E-05	2.14E-09	8.42E-10
482881.63, 3853134.48	0.00515	0.00104315	1.18E-07	4.65E-08	1.88E-05	2.13E-09	8.37E-10
482831.63, 3853184.48	0.00526	0.00106543	1.21E-07	4.75E-08	1.92E-05	2.18E-09	8.55E-10
482881.63, 3853184.48	0.00524	0.00106138	1.20E-07	4.73E-08	1.91E-05	2.17E-09	8.51E-10
484154.84, 3854250.98	0.00323	0.00065425	7.42E-08	2.92E-08	1.18E-05	1.34E-09	5.25E-10
484204.84, 3854250.98	0.00323	0.00065425	7.42E-08	2.92E-08	1.18E-05	1.34E-09	5.25E-10
484154.84, 3854300.98	0.00311	0.00062994	7.15E-08	2.81E-08	1.13E-05	1.29E-09	5.05E-10
484204.84, 3854300.98	0.00314	0.00063602	7.21E-08	2.83E-08	1.15E-05	1.30E-09	5.10E-10
484074.19, 3854519.8	0.00286	0.0005793	6.57E-08	2.58E-08	1.04E-05	1.18E-09	4.65E-10
484124.19, 3854519.8	0.00284	0.00057525	6.52E-08	2.56E-08	1.04E-05	1.17E-09	4.61E-10
484074.19, 3854569.8	0.00283	0.00057323	6.50E-08	2.55E-08	1.03E-05	1.17E-09	4.60E-10
484124.19, 3854569.8	0.00278	0.0005631	6.39E-08	2.51E-08	1.01E-05	1.15E-09	4.52E-10
485205.11, 3855188.89	0.00362	0.00073324	8.32E-08	3.27E-08	1.32E-05	1.50E-09	5.88E-10
485255.11, 3855188.89	0.00358	0.00072514	8.22E-08	3.23E-08	1.31E-05	1.48E-09	5.82E-10
485205.11, 3855238.89	0.00357	0.00072312	8.20E-08	3.22E-08	1.30E-05	1.48E-09	5.80E-10
485255.11, 3855238.89	0.00359	0.00072717	8.25E-08	3.24E-08	1.31E-05	1.48E-09	5.83E-10
485205.11, 3855288.89	0.00365	0.00073932	8.39E-08	3.29E-08	1.33E-05	1.51E-09	5.93E-10
485255.11, 3855288.89	0.0037	0.00074945	8.50E-08	3.34E-08	1.35E-05	1.53E-09	6.01E-10
485255.11, 3855338.89	0.00382	0.00077375	8.78E-08	3.45E-08	1.39E-05	1.58E-09	6.21E-10
485305.11, 3855338.89	0.00378	0.00076565	8.68E-08	3.41E-08	1.38E-05	1.56E-09	6.14E-10
485852.5, 3855635.28	0.00417	0.00084465	9.58E-08	3.76E-08	1.52E-05	1.72E-09	6.78E-10
485902.5, 3855635.28	0.00413	0.00083655	9.49E-08	3.73E-08	1.51E-05	1.71E-09	6.71E-10
485852.5, 3855685.28	0.0042	0.00085073	9.65E-08	3.79E-08	1.53E-05	1.74E-09	6.82E-10
485902.5, 3855685.28	0.00416	0.00084262	9.56E-08	3.75E-08	1.52E-05	1.72E-09	6.76E-10
485852.5, 3855735.28	0.00425	0.00086085	9.76E-08	3.84E-08	1.55E-05	1.76E-09	6.91E-10

485902.5, 3855735.28	0.00422	0.00085478	9.70E-08	3.81E-08	1.54E-05	1.75E-09	6.86E-10
485852.5, 3855785.28	0.00434	0.00087908	9.97E-08	3.92E-08	1.58E-05	1.80E-09	7.05E-10
485902.5, 3855785.28	0.00425	0.00086085	9.76E-08	3.84E-08	1.55E-05	1.76E-09	6.91E-10
486809.46, 3856465.28	0.00488	0.00098846	1.12E-07	4.40E-08	1.78E-05	2.02E-09	7.93E-10
486859.46, 3856465.28	0.00493	0.00099859	1.13E-07	4.45E-08	1.80E-05	2.04E-09	8.01E-10
486909.46, 3856465.28	0.00495	0.00100264	1.14E-07	4.47E-08	1.81E-05	2.05E-09	8.04E-10
486809.46, 3856515.28	0.00499	0.00101074	1.15E-07	4.50E-08	1.82E-05	2.06E-09	8.11E-10
486859.46, 3856515.28	0.00504	0.00102087	1.16E-07	4.55E-08	1.84E-05	2.08E-09	8.19E-10
486909.46, 3856515.28	0.00507	0.00102695	1.16E-07	4.58E-08	1.85E-05	2.10E-09	8.24E-10
486980.94, 3856357.95	0.00491	0.00099454	1.13E-07	4.43E-08	1.79E-05	2.03E-09	7.98E-10
487030.94, 3856357.95	0.00498	0.00100872	1.14E-07	4.49E-08	1.82E-05	2.06E-09	8.09E-10
486980.94, 3856407.95	0.00497	0.00100669	1.14E-07	4.49E-08	1.81E-05	2.06E-09	8.08E-10
487030.94, 3856407.95	0.00502	0.00101682	1.15E-07	4.53E-08	1.83E-05	2.08E-09	8.16E-10
487447.18, 3856437.45	0.0057	0.00115456	1.31E-07	5.14E-08	2.08E-05	2.36E-09	9.26E-10
487497.18, 3856437.45	0.0058	0.00117481	1.33E-07	5.23E-08	2.12E-05	2.40E-09	9.42E-10
487547.18, 3856437.45	0.00591	0.00119709	1.36E-07	5.33E-08	2.16E-05	2.44E-09	9.60E-10
487447.18, 3856487.45	0.00574	0.00116266	1.32E-07	5.18E-08	2.09E-05	2.37E-09	9.33E-10
487497.18, 3856487.45	0.00584	0.00118291	1.34E-07	5.27E-08	2.13E-05	2.42E-09	9.49E-10
487547.18, 3856487.45	0.00595	0.00120519	1.37E-07	5.37E-08	2.17E-05	2.46E-09	9.67E-10
487447.18, 3856537.45	0.00579	0.00117279	1.33E-07	5.23E-08	2.11E-05	2.39E-09	9.41E-10
487497.18, 3856537.45	0.00587	0.00118899	1.35E-07	5.30E-08	2.14E-05	2.43E-09	9.54E-10
487547.18, 3856537.45	0.00599	0.0012133	1.38E-07	5.41E-08	2.18E-05	2.48E-09	9.73E-10
489285.89, 3858826.54	0.01646	0.00333403	3.78E-07	1.49E-07	6.00E-05	6.81E-09	2.67E-09
489335.89, 3858826.54	0.01647	0.00333606	3.78E-07	1.49E-07	6.01E-05	6.81E-09	2.68E-09
489385.89, 3858826.54	0.0164	0.00332188	3.77E-07	1.48E-07	5.98E-05	6.78E-09	2.66E-09
489435.89, 3858826.54	0.01641	0.0033239	3.77E-07	1.48E-07	5.98E-05	6.79E-09	2.67E-09
489485.89, 3858826.54	0.01646	0.00333403	3.78E-07	1.49E-07	6.00E-05	6.81E-09	2.67E-09
489535.89, 3858826.54	0.01652	0.00334619	3.80E-07	1.49E-07	6.02E-05	6.83E-09	2.68E-09
489585.89, 3858826.54	0.0166	0.00336239	3.81E-07	1.50E-07	6.05E-05	6.87E-09	2.70E-09
489635.89, 3858826.54	0.01663	0.00336847	3.82E-07	1.50E-07	6.06E-05	6.88E-09	2.70E-09
489685.89, 3858826.54	0.01664	0.00337049	3.82E-07	1.50E-07	6.07E-05	6.88E-09	2.70E-09
489735.89, 3858826.54	0.01663	0.00336847	3.82E-07	1.50E-07	6.06E-05	6.88E-09	2.70E-09
489785.89, 3858826.54	0.0167	0.00338265	3.84E-07	1.51E-07	6.09E-05	6.91E-09	2.71E-09
489835.89, 3858826.54	0.01664	0.00337049	3.82E-07	1.50E-07	6.07E-05	6.88E-09	2.70E-09
489885.89, 3858826.54	0.01671	0.00338467	3.84E-07	1.51E-07	6.09E-05	6.91E-09	2.72E-09
489935.89, 3858826.54	0.01674	0.00339075	3.85E-07	1.51E-07	6.10E-05	6.92E-09	2.72E-09
489985.89, 3858826.54	0.01673	0.00338872	3.84E-07	1.51E-07	6.10E-05	6.92E-09	2.72E-09
490035.89, 3858826.54	0.01659	0.00336036	3.81E-07	1.50E-07	6.05E-05	6.86E-09	2.70E-09
489285.89, 3858876.54	0.01677	0.00339682	3.85E-07	1.51E-07	6.12E-05	6.94E-09	2.73E-09
489335.89, 3858876.54	0.01672	0.0033867	3.84E-07	1.51E-07	6.10E-05	6.92E-09	2.72E-09
489385.89, 3858876.54	0.01671	0.00338467	3.84E-07	1.51E-07	6.09E-05	6.91E-09	2.72E-09
489435.89, 3858876.54	0.0167	0.00338265	3.84E-07	1.51E-07	6.09E-05	6.91E-09	2.71E-09
489485.89, 3858876.54	0.01671	0.00338467	3.84E-07	1.51E-07	6.09E-05	6.91E-09	2.72E-09
489535.89, 3858876.54	0.01673	0.00338872	3.84E-07	1.51E-07	6.10E-05	6.92E-09	2.72E-09
489585.89, 3858876.54	0.01669	0.00338062	3.83E-07	1.51E-07	6.09E-05	6.90E-09	2.71E-09
489635.89, 3858876.54	0.01678	0.00339885	3.86E-07	1.51E-07	6.12E-05	6.94E-09	2.73E-09
489685.89, 3858876.54	0.01682	0.00340695	3.86E-07	1.52E-07	6.13E-05	6.96E-09	2.73E-09
489735.89, 3858876.54	0.01681	0.00340493	3.86E-07	1.52E-07	6.13E-05	6.95E-09	2.73E-09
489785.89, 3858876.54	0.01691	0.00342518	3.89E-07	1.53E-07	6.17E-05	6.99E-09	2.75E-09
489835.89, 3858876.54	0.01691	0.00342518	3.89E-07	1.53E-07	6.17E-05	6.99E-09	2.75E-09
489885.89, 3858876.54	0.01708	0.00345962	3.92E-07	1.54E-07	6.23E-05	7.06E-09	2.78E-09
489935.89, 3858876.54	0.01702	0.00344746	3.91E-07	1.54E-07	6.21E-05	7.04E-09	2.77E-09
489985.89, 3858876.54	0.01691	0.00342518	3.89E-07	1.53E-07	6.17E-05	6.99E-09	2.75E-09
490035.89, 3858876.54	0.01682	0.00340695	3.86E-07	1.52E-07	6.13E-05	6.96E-09	2.73E-09
489285.89, 3858926.54	0.01725	0.00349405	3.96E-07	1.56E-07	6.29E-05	7.13E-09	2.80E-09
489335.89, 3858926.54	0.01716	0.00347582	3.94E-07	1.55E-07	6.26E-05	7.10E-09	2.79E-09
489385.89, 3858926.54	0.01703	0.00344949	3.91E-07	1.54E-07	6.21E-05	7.04E-09	2.77E-09
489435.89, 3858926.54	0.01701	0.00344544	3.91E-07	1.54E-07	6.20E-05	7.04E-09	2.76E-09
489485.89, 3858926.54	0.01698	0.00343936	3.90E-07	1.53E-07	6.19E-05	7.02E-09	2.76E-09
489535.89, 3858926.54	0.01696	0.00343531	3.90E-07	1.53E-07	6.18E-05	7.02E-09	2.76E-09
489585.89, 3858926.54	0.01695	0.00343328	3.89E-07	1.53E-07	6.18E-05	7.01E-09	2.75E-09

489635.89, 3858926.54	0.01698	0.00343936	3.90E-07	1.53E-07	6.19E-05	7.02E-09	2.76E-09
489685.89, 3858926.54	0.01695	0.00343328	3.89E-07	1.53E-07	6.18E-05	7.01E-09	2.75E-09
489735.89, 3858926.54	0.01707	0.00345759	3.92E-07	1.54E-07	6.22E-05	7.06E-09	2.77E-09
489785.89, 3858926.54	0.01722	0.00348797	3.96E-07	1.55E-07	6.28E-05	7.12E-09	2.80E-09
489835.89, 3858926.54	0.01721	0.00348595	3.95E-07	1.55E-07	6.28E-05	7.12E-09	2.80E-09
489885.89, 3858926.54	0.01732	0.00350823	3.98E-07	1.56E-07	6.32E-05	7.16E-09	2.81E-09
489935.89, 3858926.54	0.01734	0.00351228	3.98E-07	1.57E-07	6.32E-05	7.17E-09	2.82E-09
489985.89, 3858926.54	0.01722	0.00348797	3.96E-07	1.55E-07	6.28E-05	7.12E-09	2.80E-09
490035.89, 3858926.54	0.01691	0.00342518	3.89E-07	1.53E-07	6.17E-05	6.99E-09	2.75E-09
489335.89, 3858976.54	0.01766	0.0035771	4.06E-07	1.59E-07	6.44E-05	7.30E-09	2.87E-09
489385.89, 3858976.54	0.01748	0.00354064	4.02E-07	1.58E-07	6.37E-05	7.23E-09	2.84E-09
489435.89, 3858976.54	0.0175	0.00354469	4.02E-07	1.58E-07	6.38E-05	7.24E-09	2.84E-09
489485.89, 3858976.54	0.01739	0.00352241	4.00E-07	1.57E-07	6.34E-05	7.19E-09	2.83E-09
489535.89, 3858976.54	0.01727	0.0034981	3.97E-07	1.56E-07	6.30E-05	7.14E-09	2.81E-09
489585.89, 3858976.54	0.0173	0.00350418	3.97E-07	1.56E-07	6.31E-05	7.16E-09	2.81E-09
489635.89, 3858976.54	0.01727	0.0034981	3.97E-07	1.56E-07	6.30E-05	7.14E-09	2.81E-09
489685.89, 3858976.54	0.01722	0.00348797	3.96E-07	1.55E-07	6.28E-05	7.12E-09	2.80E-09
489735.89, 3858976.54	0.01729	0.00350215	3.97E-07	1.56E-07	6.31E-05	7.15E-09	2.81E-09
489785.89, 3858976.54	0.01748	0.00354064	4.02E-07	1.58E-07	6.37E-05	7.23E-09	2.84E-09
489835.89, 3858976.54	0.01761	0.00356697	4.05E-07	1.59E-07	6.42E-05	7.28E-09	2.86E-09
489885.89, 3858976.54	0.01749	0.00354266	4.02E-07	1.58E-07	6.38E-05	7.23E-09	2.84E-09
489935.89, 3858976.54	0.01746	0.00353659	4.01E-07	1.58E-07	6.37E-05	7.22E-09	2.84E-09
489985.89, 3858976.54	0.01746	0.00353659	4.01E-07	1.58E-07	6.37E-05	7.22E-09	2.84E-09
490035.89, 3858976.54	0.01656	0.00335429	3.80E-07	1.49E-07	6.04E-05	6.85E-09	2.69E-09
489385.89, 3859026.54	0.01804	0.00365407	4.14E-07	1.63E-07	6.58E-05	7.46E-09	2.93E-09
489435.89, 3859026.54	0.01793	0.00363179	4.12E-07	1.62E-07	6.54E-05	7.42E-09	2.91E-09
489485.89, 3859026.54	0.0178	0.00360545	4.09E-07	1.61E-07	6.49E-05	7.36E-09	2.89E-09
489535.89, 3859026.54	0.01774	0.0035933	4.08E-07	1.60E-07	6.47E-05	7.34E-09	2.88E-09
489585.89, 3859026.54	0.0176	0.00356494	4.04E-07	1.59E-07	6.42E-05	7.28E-09	2.86E-09
489635.89, 3859026.54	0.01758	0.00356089	4.04E-07	1.59E-07	6.41E-05	7.27E-09	2.86E-09
489685.89, 3859026.54	0.01757	0.00355887	4.04E-07	1.59E-07	6.41E-05	7.27E-09	2.86E-09
489735.89, 3859026.54	0.01768	0.00358115	4.06E-07	1.60E-07	6.45E-05	7.31E-09	2.87E-09
489785.89, 3859026.54	0.01779	0.00360343	4.09E-07	1.61E-07	6.49E-05	7.36E-09	2.89E-09
489835.89, 3859026.54	0.01768	0.00358115	4.06E-07	1.60E-07	6.45E-05	7.31E-09	2.87E-09
489885.89, 3859026.54	0.01769	0.00358317	4.06E-07	1.60E-07	6.45E-05	7.32E-09	2.87E-09
489935.89, 3859026.54	0.01762	0.00356899	4.05E-07	1.59E-07	6.43E-05	7.29E-09	2.86E-09
489985.89, 3859026.54	0.01755	0.00355482	4.03E-07	1.58E-07	6.40E-05	7.26E-09	2.85E-09
490035.89, 3859026.54	0.01648	0.00333808	3.79E-07	1.49E-07	6.01E-05	6.82E-09	2.68E-09
489485.89, 3859076.54	0.01832	0.00371078	4.21E-07	1.65E-07	6.68E-05	7.58E-09	2.98E-09
489535.89, 3859076.54	0.01817	0.0036804	4.17E-07	1.64E-07	6.63E-05	7.52E-09	2.95E-09
489585.89, 3859076.54	0.01803	0.00365204	4.14E-07	1.63E-07	6.57E-05	7.46E-09	2.93E-09
489635.89, 3859076.54	0.01807	0.00366014	4.15E-07	1.63E-07	6.59E-05	7.47E-09	2.94E-09
489685.89, 3859076.54	0.01809	0.00366419	4.16E-07	1.63E-07	6.60E-05	7.48E-09	2.94E-09
489735.89, 3859076.54	0.01812	0.00367027	4.16E-07	1.64E-07	6.61E-05	7.49E-09	2.94E-09
489785.89, 3859076.54	0.01815	0.00367635	4.17E-07	1.64E-07	6.62E-05	7.51E-09	2.95E-09
489835.89, 3859076.54	0.01807	0.00366014	4.15E-07	1.63E-07	6.59E-05	7.47E-09	2.94E-09
489885.89, 3859076.54	0.01799	0.00364394	4.13E-07	1.62E-07	6.56E-05	7.44E-09	2.92E-09
489935.89, 3859076.54	0.01798	0.00364191	4.13E-07	1.62E-07	6.56E-05	7.44E-09	2.92E-09
489985.89, 3859076.54	0.0178	0.00360545	4.09E-07	1.61E-07	6.49E-05	7.36E-09	2.89E-09
490035.89, 3859076.54	0.01684	0.003411	3.87E-07	1.52E-07	6.14E-05	6.97E-09	2.74E-09
489585.89, 3859126.54	0.01865	0.00377762	4.28E-07	1.68E-07	6.80E-05	7.71E-09	3.03E-09
489635.89, 3859126.54	0.01867	0.00378168	4.29E-07	1.69E-07	6.81E-05	7.72E-09	3.03E-09
489685.89, 3859126.54	0.01863	0.00377357	4.28E-07	1.68E-07	6.79E-05	7.71E-09	3.03E-09
489735.89, 3859126.54	0.01859	0.00376547	4.27E-07	1.68E-07	6.78E-05	7.69E-09	3.02E-09
489785.89, 3859126.54	0.01859	0.00376547	4.27E-07	1.68E-07	6.78E-05	7.69E-09	3.02E-09
489835.89, 3859126.54	0.01848	0.00374319	4.25E-07	1.67E-07	6.74E-05	7.64E-09	3.00E-09
489885.89, 3859126.54	0.01829	0.00370471	4.20E-07	1.65E-07	6.67E-05	7.57E-09	2.97E-09
489935.89, 3859126.54	0.01827	0.00370065	4.20E-07	1.65E-07	6.66E-05	7.56E-09	2.97E-09
489985.89, 3859126.54	0.01777	0.00359938	4.08E-07	1.60E-07	6.48E-05	7.35E-09	2.89E-09
490035.89, 3859126.54	0.01729	0.00350215	3.97E-07	1.56E-07	6.31E-05	7.15E-09	2.81E-09
489585.89, 3859176.54	0.01921	0.00389105	4.41E-07	1.73E-07	7.01E-05	7.95E-09	3.12E-09

489635.89, 3859176.54	0.01923	0.00389511	4.42E-07	1.74E-07	7.01E-05	7.95E-09	3.12E-09
489685.89, 3859176.54	0.01928	0.00390523	4.43E-07	1.74E-07	7.03E-05	7.97E-09	3.13E-09
489735.89, 3859176.54	0.0193	0.00390928	4.43E-07	1.74E-07	7.04E-05	7.98E-09	3.14E-09
489785.89, 3859176.54	0.01912	0.00387282	4.39E-07	1.73E-07	6.97E-05	7.91E-09	3.11E-09
489835.89, 3859176.54	0.01899	0.00384649	4.36E-07	1.71E-07	6.93E-05	7.85E-09	3.09E-09
489885.89, 3859176.54	0.01878	0.00380396	4.31E-07	1.70E-07	6.85E-05	7.77E-09	3.05E-09
489935.89, 3859176.54	0.01872	0.0037918	4.30E-07	1.69E-07	6.83E-05	7.74E-09	3.04E-09
489985.89, 3859176.54	0.01815	0.00367635	4.17E-07	1.64E-07	6.62E-05	7.51E-09	2.95E-09
490035.89, 3859176.54	0.01814	0.00367432	4.17E-07	1.64E-07	6.62E-05	7.50E-09	2.95E-09
489685.89, 3859226.54	0.01981	0.00401259	4.55E-07	1.79E-07	7.22E-05	8.19E-09	3.22E-09
489735.89, 3859226.54	0.01993	0.00403689	4.58E-07	1.80E-07	7.27E-05	8.24E-09	3.24E-09
489785.89, 3859226.54	0.0198	0.00401056	4.55E-07	1.79E-07	7.22E-05	8.19E-09	3.22E-09
489835.89, 3859226.54	0.0195	0.0039498	4.48E-07	1.76E-07	7.11E-05	8.07E-09	3.17E-09
489885.89, 3859226.54	0.01933	0.00391536	4.44E-07	1.74E-07	7.05E-05	8.00E-09	3.14E-09
489935.89, 3859226.54	0.01911	0.0038708	4.39E-07	1.72E-07	6.97E-05	7.90E-09	3.11E-09
489985.89, 3859226.54	0.01833	0.00371281	4.21E-07	1.65E-07	6.68E-05	7.58E-09	2.98E-09
490035.89, 3859226.54	0.01842	0.00373104	4.23E-07	1.66E-07	6.72E-05	7.62E-09	2.99E-09
489735.89, 3859276.54	0.02053	0.00415843	4.72E-07	1.85E-07	7.49E-05	8.49E-09	3.34E-09
489785.89, 3859276.54	0.02051	0.00415437	4.71E-07	1.85E-07	7.48E-05	8.48E-09	3.33E-09
489835.89, 3859276.54	0.02016	0.00408348	4.63E-07	1.82E-07	7.35E-05	8.34E-09	3.28E-09
489885.89, 3859276.54	0.02002	0.00405512	4.60E-07	1.81E-07	7.30E-05	8.28E-09	3.25E-09
489935.89, 3859276.54	0.01965	0.00398018	4.51E-07	1.77E-07	7.17E-05	8.13E-09	3.19E-09
489985.89, 3859276.54	0.01867	0.00378168	4.29E-07	1.69E-07	6.81E-05	7.72E-09	3.03E-09
490035.89, 3859276.54	0.01907	0.0038627	4.38E-07	1.72E-07	6.95E-05	7.89E-09	3.10E-09
490458.06, 3859590.74	0.02501	0.00506587	5.75E-07	2.26E-07	9.12E-05	1.03E-08	4.06E-09
490508.06, 3859590.74	0.0242	0.0049018	5.56E-07	2.18E-07	8.82E-05	1.00E-08	3.93E-09
490558.06, 3859590.74	0.02345	0.00474988	5.39E-07	2.12E-07	8.55E-05	9.70E-09	3.81E-09
490608.06, 3859590.74	0.02263	0.00458379	5.20E-07	2.04E-07	8.25E-05	9.36E-09	3.68E-09
490658.06, 3859590.74	0.02179	0.00441364	5.01E-07	1.97E-07	7.95E-05	9.01E-09	3.54E-09
490708.06, 3859590.74	0.02102	0.00425768	4.83E-07	1.90E-07	7.67E-05	8.69E-09	3.42E-09
490758.06, 3859590.74	0.02023	0.00409766	4.65E-07	1.83E-07	7.38E-05	8.37E-09	3.29E-09
490808.06, 3859590.74	0.01976	0.00400246	4.54E-07	1.78E-07	7.21E-05	8.17E-09	3.21E-09
490858.06, 3859590.74	0.01924	0.00389713	4.42E-07	1.74E-07	7.02E-05	7.96E-09	3.13E-09
490458.06, 3859640.74	0.02695	0.00545882	6.19E-07	2.43E-07	9.83E-05	1.11E-08	4.38E-09
490508.06, 3859640.74	0.02621	0.00530893	6.02E-07	2.37E-07	9.56E-05	1.08E-08	4.26E-09
490558.06, 3859640.74	0.02548	0.00516107	5.85E-07	2.30E-07	9.29E-05	1.05E-08	4.14E-09
490608.06, 3859640.74	0.02436	0.00493421	5.60E-07	2.20E-07	8.88E-05	1.01E-08	3.96E-09
490658.06, 3859640.74	0.02323	0.00470532	5.34E-07	2.10E-07	8.47E-05	9.61E-09	3.77E-09
490708.06, 3859640.74	0.02239	0.00453518	5.14E-07	2.02E-07	8.16E-05	9.26E-09	3.64E-09
490758.06, 3859640.74	0.0215	0.0043549	4.94E-07	1.94E-07	7.84E-05	8.89E-09	3.49E-09
490808.06, 3859640.74	0.02108	0.00426983	4.84E-07	1.90E-07	7.69E-05	8.72E-09	3.43E-09
490858.06, 3859640.74	0.02071	0.00419489	4.76E-07	1.87E-07	7.55E-05	8.57E-09	3.37E-09
490608.06, 3859690.74	0.02611	0.00528867	6.00E-07	2.36E-07	9.52E-05	1.08E-08	4.24E-09
490658.06, 3859690.74	0.02488	0.00503953	5.72E-07	2.25E-07	9.07E-05	1.03E-08	4.04E-09
490708.06, 3859690.74	0.02391	0.00484306	5.49E-07	2.16E-07	8.72E-05	9.89E-09	3.89E-09
490758.06, 3859690.74	0.0229	0.00463848	5.26E-07	2.07E-07	8.35E-05	9.47E-09	3.72E-09
490808.06, 3859690.74	0.02227	0.00451087	5.12E-07	2.01E-07	8.12E-05	9.21E-09	3.62E-09
490858.06, 3859690.74	0.02228	0.00451289	5.12E-07	2.01E-07	8.12E-05	9.22E-09	3.62E-09
490708.06, 3859740.74	0.02584	0.00523398	5.94E-07	2.33E-07	9.42E-05	1.07E-08	4.20E-09
490758.06, 3859740.74	0.0254	0.00514486	5.84E-07	2.29E-07	9.26E-05	1.05E-08	4.13E-09
490808.06, 3859740.74	0.02474	0.00501118	5.68E-07	2.23E-07	9.02E-05	1.02E-08	4.02E-09
490858.06, 3859740.74	0.02436	0.00493421	5.60E-07	2.20E-07	8.88E-05	1.01E-08	3.96E-09
490786.56, 3859749.39	0.02547	0.00515904	5.85E-07	2.30E-07	9.29E-05	1.05E-08	4.14E-09
490836.56, 3859749.39	0.02486	0.00503548	5.71E-07	2.24E-07	9.07E-05	1.03E-08	4.04E-09
490786.56, 3859799.39	0.02784	0.00563909	6.40E-07	2.51E-07	1.02E-04	1.15E-08	4.52E-09
490836.56, 3859799.39	0.02712	0.00549325	6.23E-07	2.45E-07	9.89E-05	1.12E-08	4.41E-09
492307.84, 3854508.36	0.00208	0.00042131	4.78E-08	1.88E-08	7.59E-06	8.60E-10	3.38E-10
486445.7, 3854753.6	0.00274	0.000555	6.30E-08	2.47E-08	9.99E-06	1.13E-09	4.45E-10
472599.75, 3877830.11	0.00209	0.00042334	4.80E-08	1.89E-08	7.62E-06	8.64E-10	3.40E-10
493107.48, 3866840.19	0.00311	0.00062994	7.15E-08	2.81E-08	1.13E-05	1.29E-09	5.05E-10
495815.79, 3861662.87	5.7316	1.1609562	1.32E-04	5.17E-05	2.09E-02	2.37E-06	9.31E-07

480272.33, 3841389.2	0.00045	9.1149E-05	1.03E-08	4.06E-09	1.64E-06	1.86E-10	7.31E-11
497005.18, 3862813.64	0.63176	0.12796526	1.45E-05	5.70E-06	2.30E-03	2.61E-07	1.03E-07
493677.33, 3860302.55	0.06899	0.01397417	1.59E-06	6.23E-07	2.52E-04	2.85E-08	1.12E-08
493727.33, 3860302.55	0.07002	0.0141828	1.61E-06	6.32E-07	2.55E-04	2.90E-08	1.14E-08
493777.33, 3860302.55	0.07046	0.01427193	1.62E-06	6.36E-07	2.57E-04	2.91E-08	1.14E-08
493827.33, 3860302.55	0.07061	0.01430231	1.62E-06	6.37E-07	2.57E-04	2.92E-08	1.15E-08
493877.33, 3860302.55	0.07161	0.01450486	1.65E-06	6.46E-07	2.61E-04	2.96E-08	1.16E-08
493927.33, 3860302.55	0.07309	0.01480464	1.68E-06	6.60E-07	2.67E-04	3.02E-08	1.19E-08
493977.33, 3860302.55	0.07031	0.01424154	1.62E-06	6.35E-07	2.56E-04	2.91E-08	1.14E-08
494027.33, 3860302.55	0.06955	0.0140876	1.60E-06	6.28E-07	2.54E-04	2.88E-08	1.13E-08
493677.33, 3860352.55	0.07808	0.01581538	1.79E-06	7.05E-07	2.85E-04	3.23E-08	1.27E-08
493727.33, 3860352.55	0.0802	0.0162448	1.84E-06	7.24E-07	2.92E-04	3.32E-08	1.30E-08
493777.33, 3860352.55	0.0822	0.01664991	1.89E-06	7.42E-07	3.00E-04	3.40E-08	1.34E-08
493827.33, 3860352.55	0.08324	0.01686056	1.91E-06	7.51E-07	3.04E-04	3.44E-08	1.35E-08
493877.33, 3860352.55	0.08317	0.01684638	1.91E-06	7.51E-07	3.03E-04	3.44E-08	1.35E-08
493927.33, 3860352.55	0.08172	0.01655268	1.88E-06	7.38E-07	2.98E-04	3.38E-08	1.33E-08
493977.33, 3860352.55	0.07949	0.01610099	1.83E-06	7.17E-07	2.90E-04	3.29E-08	1.29E-08
494027.33, 3860352.55	0.08006	0.01621644	1.84E-06	7.23E-07	2.92E-04	3.31E-08	1.30E-08
493677.33, 3860402.55	0.09126	0.01848504	2.10E-06	8.24E-07	3.33E-04	3.77E-08	1.48E-08
493727.33, 3860402.55	0.09353	0.01894484	2.15E-06	8.44E-07	3.41E-04	3.87E-08	1.52E-08
493777.33, 3860402.55	0.0917	0.01857416	2.11E-06	8.28E-07	3.34E-04	3.79E-08	1.49E-08
493827.33, 3860402.55	0.09518	0.01927905	2.19E-06	8.59E-07	3.47E-04	3.94E-08	1.55E-08
493877.33, 3860402.55	0.09686	0.01961934	2.23E-06	8.74E-07	3.53E-04	4.01E-08	1.57E-08
493927.33, 3860402.55	0.09119	0.01847086	2.10E-06	8.23E-07	3.33E-04	3.77E-08	1.48E-08
493977.33, 3860402.55	0.0907	0.01837161	2.08E-06	8.19E-07	3.31E-04	3.75E-08	1.47E-08
494027.33, 3860402.55	0.09231	0.01869772	2.12E-06	8.33E-07	3.37E-04	3.82E-08	1.50E-08
493677.33, 3860452.55	0.10419	0.02110406	2.39E-06	9.40E-07	3.80E-04	4.31E-08	1.69E-08
493727.33, 3860452.55	0.10974	0.02222823	2.52E-06	9.90E-07	4.00E-04	4.54E-08	1.78E-08
493777.33, 3860452.55	0.11168	0.02262119	2.57E-06	1.01E-06	4.07E-04	4.62E-08	1.81E-08
493827.33, 3860452.55	0.11041	0.02236394	2.54E-06	9.97E-07	4.03E-04	4.57E-08	1.79E-08
493877.33, 3860452.55	0.11005	0.02229102	2.53E-06	9.93E-07	4.01E-04	4.55E-08	1.79E-08
493927.33, 3860452.55	0.10584	0.02143827	2.43E-06	9.55E-07	3.86E-04	4.38E-08	1.72E-08
493977.33, 3860452.55	0.10674	0.02162057	2.45E-06	9.63E-07	3.89E-04	4.41E-08	1.73E-08
494027.33, 3860452.55	0.10772	0.02181907	2.47E-06	9.72E-07	3.93E-04	4.46E-08	1.75E-08
493677.33, 3860502.55	0.12137	0.02458393	2.79E-06	1.10E-06	4.43E-04	5.02E-08	1.97E-08
493727.33, 3860502.55	0.12601	0.02552378	2.90E-06	1.14E-06	4.60E-04	5.21E-08	2.05E-08
493777.33, 3860502.55	0.12783	0.02589243	2.94E-06	1.15E-06	4.66E-04	5.29E-08	2.08E-08
493827.33, 3860502.55	0.12941	0.02621246	2.97E-06	1.17E-06	4.72E-04	5.35E-08	2.10E-08
493877.33, 3860502.55	0.12764	0.02585394	2.93E-06	1.15E-06	4.65E-04	5.28E-08	2.07E-08
493927.33, 3860502.55	0.12422	0.02516121	2.85E-06	1.12E-06	4.53E-04	5.14E-08	2.02E-08
493977.33, 3860502.55	0.12628	0.02557847	2.90E-06	1.14E-06	4.61E-04	5.22E-08	2.05E-08
494027.33, 3860502.55	0.12655	0.02563316	2.91E-06	1.14E-06	4.61E-04	5.23E-08	2.06E-08
493627.33, 3860552.55	0.1412	0.02860057	3.24E-06	1.27E-06	5.15E-04	5.84E-08	2.29E-08
493677.33, 3860552.55	0.1465	0.0296741	3.37E-06	1.32E-06	5.34E-04	6.06E-08	2.38E-08
493727.33, 3860552.55	0.15074	0.03053293	3.46E-06	1.36E-06	5.50E-04	6.23E-08	2.45E-08
493777.33, 3860552.55	0.15083	0.03055116	3.47E-06	1.36E-06	5.50E-04	6.24E-08	2.45E-08
493827.33, 3860552.55	0.14832	0.03004275	3.41E-06	1.34E-06	5.41E-04	6.13E-08	2.41E-08
493877.33, 3860552.55	0.15138	0.03066256	3.48E-06	1.37E-06	5.52E-04	6.26E-08	2.46E-08
493927.33, 3860552.55	0.14943	0.03026758	3.43E-06	1.35E-06	5.45E-04	6.18E-08	2.43E-08
493977.33, 3860552.55	0.14633	0.02963967	3.36E-06	1.32E-06	5.34E-04	6.05E-08	2.38E-08
494027.33, 3860552.55	0.14822	0.03002249	3.41E-06	1.34E-06	5.41E-04	6.13E-08	2.41E-08
493627.33, 3860602.55	0.1685	0.03413028	3.87E-06	1.52E-06	6.14E-04	6.97E-08	2.74E-08
493727.33, 3860602.55	0.18439	0.03734886	4.24E-06	1.66E-06	6.72E-04	7.63E-08	3.00E-08
493777.33, 3860602.55	0.17807	0.03606872	4.09E-06	1.61E-06	6.49E-04	7.37E-08	2.89E-08
493827.33, 3860602.55	0.17859	0.03617405	4.10E-06	1.61E-06	6.51E-04	7.39E-08	2.90E-08
493877.33, 3860602.55	0.17423	0.03529091	4.00E-06	1.57E-06	6.35E-04	7.21E-08	2.83E-08
493927.33, 3860602.55	0.17322	0.03508633	3.98E-06	1.56E-06	6.32E-04	7.16E-08	2.81E-08
493977.33, 3860602.55	0.17125	0.0346873	3.93E-06	1.55E-06	6.24E-04	7.08E-08	2.78E-08
494027.33, 3860602.55	0.17482	0.03541042	4.02E-06	1.58E-06	6.38E-04	7.23E-08	2.84E-08
493627.33, 3860652.55	0.2056	0.04164502	4.72E-06	1.86E-06	7.50E-04	8.50E-08	3.34E-08
493727.33, 3860652.55	0.22214	0.04499526	5.10E-06	2.00E-06	8.10E-04	9.19E-08	3.61E-08

493777.33, 3860652.55	0.21663	0.04387919	4.98E-06	1.96E-06	7.90E-04	8.96E-08	3.52E-08
493827.33, 3860652.55	0.21148	0.04283603	4.86E-06	1.91E-06	7.71E-04	8.75E-08	3.44E-08
493877.33, 3860652.55	0.20472	0.04146677	4.70E-06	1.85E-06	7.47E-04	8.47E-08	3.33E-08
493927.33, 3860652.55	0.20364	0.04124801	4.68E-06	1.84E-06	7.43E-04	8.42E-08	3.31E-08
493977.33, 3860652.55	0.20327	0.04117307	4.67E-06	1.83E-06	7.41E-04	8.41E-08	3.30E-08
494027.33, 3860652.55	0.1985	0.04020689	4.56E-06	1.79E-06	7.24E-04	8.21E-08	3.23E-08
494311.06, 3858401.99	0.00453	0.00091757	1.04E-07	4.09E-08	1.65E-05	1.87E-09	7.36E-10
494361.06, 3858401.99	0.00451	0.00091352	1.04E-07	4.07E-08	1.64E-05	1.87E-09	7.33E-10
494411.06, 3858401.99	0.00449	0.00090947	1.03E-07	4.05E-08	1.64E-05	1.86E-09	7.30E-10
494461.06, 3858401.99	0.00448	0.00090744	1.03E-07	4.04E-08	1.63E-05	1.85E-09	7.28E-10
494511.06, 3858401.99	0.00446	0.00090339	1.02E-07	4.03E-08	1.63E-05	1.84E-09	7.25E-10
494561.06, 3858401.99	0.00445	0.00090136	1.02E-07	4.02E-08	1.62E-05	1.84E-09	7.23E-10
494611.06, 3858401.99	0.00442	0.00089529	1.02E-07	3.99E-08	1.61E-05	1.83E-09	7.18E-10
494661.06, 3858401.99	0.0044	0.00089124	1.01E-07	3.97E-08	1.60E-05	1.82E-09	7.15E-10
494711.06, 3858401.99	0.00437	0.00088516	1.00E-07	3.94E-08	1.59E-05	1.81E-09	7.10E-10
494761.06, 3858401.99	0.00436	0.00088313	1.00E-07	3.94E-08	1.59E-05	1.80E-09	7.08E-10
494811.06, 3858401.99	0.00435	0.00088111	9.99E-08	3.93E-08	1.59E-05	1.80E-09	7.07E-10
494861.06, 3858401.99	0.00434	0.00087908	9.97E-08	3.92E-08	1.58E-05	1.80E-09	7.05E-10
494911.06, 3858401.99	0.00433	0.00087706	9.95E-08	3.91E-08	1.58E-05	1.79E-09	7.04E-10
494961.06, 3858401.99	0.00432	0.00087503	9.93E-08	3.90E-08	1.58E-05	1.79E-09	7.02E-10
495011.06, 3858401.99	0.0043	0.00087098	9.88E-08	3.88E-08	1.57E-05	1.78E-09	6.99E-10
495061.06, 3858401.99	0.00429	0.00086895	9.86E-08	3.87E-08	1.56E-05	1.77E-09	6.97E-10
495111.06, 3858401.99	0.00426	0.00086288	9.79E-08	3.84E-08	1.55E-05	1.76E-09	6.92E-10
495161.06, 3858401.99	0.00426	0.00086288	9.79E-08	3.84E-08	1.55E-05	1.76E-09	6.92E-10
495211.06, 3858401.99	0.00423	0.0008568	9.72E-08	3.82E-08	1.54E-05	1.75E-09	6.87E-10
495261.06, 3858401.99	0.00422	0.00085478	9.70E-08	3.81E-08	1.54E-05	1.75E-09	6.86E-10
495311.06, 3858401.99	0.0042	0.00085073	9.65E-08	3.79E-08	1.53E-05	1.74E-09	6.82E-10
495361.06, 3858401.99	0.0042	0.00085073	9.65E-08	3.79E-08	1.53E-05	1.74E-09	6.82E-10
495411.06, 3858401.99	0.00421	0.00085275	9.67E-08	3.80E-08	1.54E-05	1.74E-09	6.84E-10
495461.06, 3858401.99	0.00422	0.00085478	9.70E-08	3.81E-08	1.54E-05	1.75E-09	6.86E-10
495511.06, 3858401.99	0.00422	0.00085478	9.70E-08	3.81E-08	1.54E-05	1.75E-09	6.86E-10
495561.06, 3858401.99	0.00419	0.0008487	9.63E-08	3.78E-08	1.53E-05	1.73E-09	6.81E-10
495611.06, 3858401.99	0.0042	0.00085073	9.65E-08	3.79E-08	1.53E-05	1.74E-09	6.82E-10
495661.06, 3858401.99	0.00425	0.00086085	9.76E-08	3.84E-08	1.55E-05	1.76E-09	6.91E-10
494311.06, 3858451.99	0.00471	0.00095403	1.08E-07	4.25E-08	1.72E-05	1.95E-09	7.65E-10
494361.06, 3858451.99	0.0047	0.000952	1.08E-07	4.24E-08	1.71E-05	1.94E-09	7.64E-10
494411.06, 3858451.99	0.00469	0.00094998	1.08E-07	4.23E-08	1.71E-05	1.94E-09	7.62E-10
494461.06, 3858451.99	0.00468	0.00094795	1.08E-07	4.22E-08	1.71E-05	1.94E-09	7.60E-10
494511.06, 3858451.99	0.00467	0.00094593	1.07E-07	4.22E-08	1.70E-05	1.93E-09	7.59E-10
494561.06, 3858451.99	0.00464	0.00093985	1.07E-07	4.19E-08	1.69E-05	1.92E-09	7.54E-10
494611.06, 3858451.99	0.00462	0.0009358	1.06E-07	4.17E-08	1.68E-05	1.91E-09	7.51E-10
494661.06, 3858451.99	0.00459	0.00092972	1.05E-07	4.14E-08	1.67E-05	1.90E-09	7.46E-10
494711.06, 3858451.99	0.00457	0.00092567	1.05E-07	4.12E-08	1.67E-05	1.89E-09	7.43E-10
494761.06, 3858451.99	0.00455	0.00092162	1.05E-07	4.11E-08	1.66E-05	1.88E-09	7.39E-10
494811.06, 3858451.99	0.00454	0.00091959	1.04E-07	4.10E-08	1.66E-05	1.88E-09	7.38E-10
494861.06, 3858451.99	0.00453	0.00091757	1.04E-07	4.09E-08	1.65E-05	1.87E-09	7.36E-10
494911.06, 3858451.99	0.0045	0.00091149	1.03E-07	4.06E-08	1.64E-05	1.86E-09	7.31E-10
494961.06, 3858451.99	0.0045	0.00091149	1.03E-07	4.06E-08	1.64E-05	1.86E-09	7.31E-10
495011.06, 3858451.99	0.00449	0.00090947	1.03E-07	4.05E-08	1.64E-05	1.86E-09	7.30E-10
495061.06, 3858451.99	0.00449	0.00090947	1.03E-07	4.05E-08	1.64E-05	1.86E-09	7.30E-10
495111.06, 3858451.99	0.00445	0.00090136	1.02E-07	4.02E-08	1.62E-05	1.84E-09	7.23E-10
495161.06, 3858451.99	0.00443	0.00089731	1.02E-07	4.00E-08	1.62E-05	1.83E-09	7.20E-10
495211.06, 3858451.99	0.0044	0.00089124	1.01E-07	3.97E-08	1.60E-05	1.82E-09	7.15E-10
495261.06, 3858451.99	0.00438	0.00088718	1.01E-07	3.95E-08	1.60E-05	1.81E-09	7.12E-10
495311.06, 3858451.99	0.00438	0.00088718	1.01E-07	3.95E-08	1.60E-05	1.81E-09	7.12E-10
495361.06, 3858451.99	0.00438	0.00088718	1.01E-07	3.95E-08	1.60E-05	1.81E-09	7.12E-10
495411.06, 3858451.99	0.00439	0.00088921	1.01E-07	3.96E-08	1.60E-05	1.82E-09	7.13E-10
495461.06, 3858451.99	0.0044	0.00089124	1.01E-07	3.97E-08	1.60E-05	1.82E-09	7.15E-10
495511.06, 3858451.99	0.00439	0.00088921	1.01E-07	3.96E-08	1.60E-05	1.82E-09	7.13E-10
495561.06, 3858451.99	0.00441	0.00089326	1.01E-07	3.98E-08	1.61E-05	1.82E-09	7.17E-10
495611.06, 3858451.99	0.00441	0.00089326	1.01E-07	3.98E-08	1.61E-05	1.82E-09	7.17E-10

495661.06, 3858451.99	0.00443	0.00089731	1.02E-07	4.00E-08	1.62E-05	1.83E-09	7.20E-10
494311.06, 3858501.99	0.00487	0.00098644	1.12E-07	4.40E-08	1.78E-05	2.01E-09	7.91E-10
494361.06, 3858501.99	0.00487	0.00098644	1.12E-07	4.40E-08	1.78E-05	2.01E-09	7.91E-10
494411.06, 3858501.99	0.00486	0.00098441	1.12E-07	4.39E-08	1.77E-05	2.01E-09	7.90E-10
494461.06, 3858501.99	0.00486	0.00098441	1.12E-07	4.39E-08	1.77E-05	2.01E-09	7.90E-10
494511.06, 3858501.99	0.00484	0.00098036	1.11E-07	4.37E-08	1.76E-05	2.00E-09	7.86E-10
494561.06, 3858501.99	0.00484	0.00098036	1.11E-07	4.37E-08	1.76E-05	2.00E-09	7.86E-10
494611.06, 3858501.99	0.00482	0.00097631	1.11E-07	4.35E-08	1.76E-05	1.99E-09	7.83E-10
494661.06, 3858501.99	0.0048	0.00097226	1.10E-07	4.33E-08	1.75E-05	1.99E-09	7.80E-10
494711.06, 3858501.99	0.00478	0.00096821	1.10E-07	4.31E-08	1.74E-05	1.98E-09	7.77E-10
494761.06, 3858501.99	0.00476	0.00096416	1.09E-07	4.30E-08	1.74E-05	1.97E-09	7.73E-10
494811.06, 3858501.99	0.00473	0.00095808	1.09E-07	4.27E-08	1.72E-05	1.96E-09	7.69E-10
494861.06, 3858501.99	0.00473	0.00095808	1.09E-07	4.27E-08	1.72E-05	1.96E-09	7.69E-10
494911.06, 3858501.99	0.00471	0.00095403	1.08E-07	4.25E-08	1.72E-05	1.95E-09	7.65E-10
494961.06, 3858501.99	0.0047	0.000952	1.08E-07	4.24E-08	1.71E-05	1.94E-09	7.64E-10
495011.06, 3858501.99	0.00468	0.00094795	1.08E-07	4.22E-08	1.71E-05	1.94E-09	7.60E-10
495061.06, 3858501.99	0.00468	0.00094795	1.08E-07	4.22E-08	1.71E-05	1.94E-09	7.60E-10
495111.06, 3858501.99	0.00464	0.00093985	1.07E-07	4.19E-08	1.69E-05	1.92E-09	7.54E-10
495161.06, 3858501.99	0.0046	0.00093175	1.06E-07	4.15E-08	1.68E-05	1.90E-09	7.47E-10
495211.06, 3858501.99	0.00458	0.0009277	1.05E-07	4.13E-08	1.67E-05	1.89E-09	7.44E-10
495261.06, 3858501.99	0.00456	0.00092364	1.05E-07	4.12E-08	1.66E-05	1.89E-09	7.41E-10
495311.06, 3858501.99	0.00456	0.00092364	1.05E-07	4.12E-08	1.66E-05	1.89E-09	7.41E-10
495361.06, 3858501.99	0.00457	0.00092567	1.05E-07	4.12E-08	1.67E-05	1.89E-09	7.43E-10
495411.06, 3858501.99	0.00458	0.0009277	1.05E-07	4.13E-08	1.67E-05	1.89E-09	7.44E-10
495461.06, 3858501.99	0.00459	0.00092972	1.05E-07	4.14E-08	1.67E-05	1.90E-09	7.46E-10
495511.06, 3858501.99	0.00459	0.00092972	1.05E-07	4.14E-08	1.67E-05	1.90E-09	7.46E-10
495561.06, 3858501.99	0.00461	0.00093377	1.06E-07	4.16E-08	1.68E-05	1.91E-09	7.49E-10
495611.06, 3858501.99	0.00457	0.00092567	1.05E-07	4.12E-08	1.67E-05	1.89E-09	7.43E-10
495661.06, 3858501.99	0.00463	0.00093782	1.06E-07	4.18E-08	1.69E-05	1.92E-09	7.52E-10
494311.06, 3858551.99	0.00495	0.00100264	1.14E-07	4.47E-08	1.81E-05	2.05E-09	8.04E-10
494361.06, 3858551.99	0.00497	0.00100669	1.14E-07	4.49E-08	1.81E-05	2.06E-09	8.08E-10
494411.06, 3858551.99	0.00506	0.00102492	1.16E-07	4.57E-08	1.85E-05	2.09E-09	8.22E-10
494461.06, 3858551.99	0.00507	0.00102695	1.16E-07	4.58E-08	1.85E-05	2.10E-09	8.24E-10
494511.06, 3858551.99	0.00506	0.00102492	1.16E-07	4.57E-08	1.85E-05	2.09E-09	8.22E-10
494561.06, 3858551.99	0.00505	0.0010229	1.16E-07	4.56E-08	1.84E-05	2.09E-09	8.21E-10
494611.06, 3858551.99	0.00503	0.00101884	1.16E-07	4.54E-08	1.83E-05	2.08E-09	8.17E-10
494661.06, 3858551.99	0.00502	0.00101682	1.15E-07	4.53E-08	1.83E-05	2.08E-09	8.16E-10
494711.06, 3858551.99	0.00499	0.00101074	1.15E-07	4.50E-08	1.82E-05	2.06E-09	8.11E-10
494761.06, 3858551.99	0.00497	0.00100669	1.14E-07	4.49E-08	1.81E-05	2.06E-09	8.08E-10
494811.06, 3858551.99	0.00497	0.00100669	1.14E-07	4.49E-08	1.81E-05	2.06E-09	8.08E-10
494861.06, 3858551.99	0.00496	0.00100467	1.14E-07	4.48E-08	1.81E-05	2.05E-09	8.06E-10
494911.06, 3858551.99	0.00494	0.00100061	1.13E-07	4.46E-08	1.80E-05	2.04E-09	8.03E-10
494961.06, 3858551.99	0.00492	0.00099656	1.13E-07	4.44E-08	1.79E-05	2.04E-09	7.99E-10
495011.06, 3858551.99	0.00489	0.00099049	1.12E-07	4.41E-08	1.78E-05	2.02E-09	7.95E-10
495061.06, 3858551.99	0.00487	0.00098644	1.12E-07	4.40E-08	1.78E-05	2.01E-09	7.91E-10
495111.06, 3858551.99	0.00483	0.00097833	1.11E-07	4.36E-08	1.76E-05	2.00E-09	7.85E-10
495161.06, 3858551.99	0.0048	0.00097226	1.10E-07	4.33E-08	1.75E-05	1.99E-09	7.80E-10
495211.06, 3858551.99	0.00478	0.00096821	1.10E-07	4.31E-08	1.74E-05	1.98E-09	7.77E-10
495261.06, 3858551.99	0.00477	0.00096618	1.10E-07	4.31E-08	1.74E-05	1.97E-09	7.75E-10
495311.06, 3858551.99	0.00477	0.00096618	1.10E-07	4.31E-08	1.74E-05	1.97E-09	7.75E-10
495361.06, 3858551.99	0.00477	0.00096618	1.10E-07	4.31E-08	1.74E-05	1.97E-09	7.75E-10
495411.06, 3858551.99	0.00479	0.00097023	1.10E-07	4.32E-08	1.75E-05	1.98E-09	7.78E-10
495461.06, 3858551.99	0.00479	0.00097023	1.10E-07	4.32E-08	1.75E-05	1.98E-09	7.78E-10
495511.06, 3858551.99	0.00481	0.00097428	1.11E-07	4.34E-08	1.75E-05	1.99E-09	7.82E-10
495561.06, 3858551.99	0.00481	0.00097428	1.11E-07	4.34E-08	1.75E-05	1.99E-09	7.82E-10
495611.06, 3858551.99	0.00482	0.00097631	1.11E-07	4.35E-08	1.76E-05	1.99E-09	7.83E-10
495661.06, 3858551.99	0.00483	0.00097833	1.11E-07	4.36E-08	1.76E-05	2.00E-09	7.85E-10
494311.06, 3858601.99	0.00505	0.0010229	1.16E-07	4.56E-08	1.84E-05	2.09E-09	8.21E-10
494361.06, 3858601.99	0.00513	0.0010391	1.18E-07	4.63E-08	1.87E-05	2.12E-09	8.34E-10
494411.06, 3858601.99	0.00529	0.00107151	1.22E-07	4.77E-08	1.93E-05	2.19E-09	8.60E-10
494461.06, 3858601.99	0.0053	0.00107353	1.22E-07	4.78E-08	1.93E-05	2.19E-09	8.61E-10

494511.06, 3858601.99	0.00525	0.00106341	1.21E-07	4.74E-08	1.91E-05	2.17E-09	8.53E-10
494561.06, 3858601.99	0.00529	0.00107151	1.22E-07	4.77E-08	1.93E-05	2.19E-09	8.60E-10
494611.06, 3858601.99	0.00526	0.00106543	1.21E-07	4.75E-08	1.92E-05	2.18E-09	8.55E-10
494661.06, 3858601.99	0.00525	0.00106341	1.21E-07	4.74E-08	1.91E-05	2.17E-09	8.53E-10
494711.06, 3858601.99	0.00523	0.00105936	1.20E-07	4.72E-08	1.91E-05	2.16E-09	8.50E-10
494761.06, 3858601.99	0.00521	0.0010553	1.20E-07	4.70E-08	1.90E-05	2.15E-09	8.47E-10
494811.06, 3858601.99	0.00518	0.00104923	1.19E-07	4.68E-08	1.89E-05	2.14E-09	8.42E-10
494861.06, 3858601.99	0.00518	0.00104923	1.19E-07	4.68E-08	1.89E-05	2.14E-09	8.42E-10
494911.06, 3858601.99	0.00516	0.00104518	1.19E-07	4.66E-08	1.88E-05	2.13E-09	8.38E-10
494961.06, 3858601.99	0.00515	0.00104315	1.18E-07	4.65E-08	1.88E-05	2.13E-09	8.37E-10
495011.06, 3858601.99	0.00513	0.0010391	1.18E-07	4.63E-08	1.87E-05	2.12E-09	8.34E-10
495061.06, 3858601.99	0.00508	0.00102897	1.17E-07	4.59E-08	1.85E-05	2.10E-09	8.25E-10
495111.06, 3858601.99	0.00503	0.00101884	1.16E-07	4.54E-08	1.83E-05	2.08E-09	8.17E-10
495161.06, 3858601.99	0.005	0.00101277	1.15E-07	4.51E-08	1.82E-05	2.07E-09	8.12E-10
495211.06, 3858601.99	0.00499	0.00101074	1.15E-07	4.50E-08	1.82E-05	2.06E-09	8.11E-10
495261.06, 3858601.99	0.00498	0.00100872	1.14E-07	4.49E-08	1.82E-05	2.06E-09	8.09E-10
495311.06, 3858601.99	0.00498	0.00100872	1.14E-07	4.49E-08	1.82E-05	2.06E-09	8.09E-10
495361.06, 3858601.99	0.00499	0.00101074	1.15E-07	4.50E-08	1.82E-05	2.06E-09	8.11E-10
495411.06, 3858601.99	0.005	0.00101277	1.15E-07	4.51E-08	1.82E-05	2.07E-09	8.12E-10
495461.06, 3858601.99	0.00501	0.00101479	1.15E-07	4.52E-08	1.83E-05	2.07E-09	8.14E-10
495511.06, 3858601.99	0.00502	0.00101682	1.15E-07	4.53E-08	1.83E-05	2.08E-09	8.16E-10
495561.06, 3858601.99	0.00503	0.00101884	1.16E-07	4.54E-08	1.83E-05	2.08E-09	8.17E-10
495611.06, 3858601.99	0.00503	0.00101884	1.16E-07	4.54E-08	1.83E-05	2.08E-09	8.17E-10
495661.06, 3858601.99	0.00505	0.0010229	1.16E-07	4.56E-08	1.84E-05	2.09E-09	8.21E-10
494311.06, 3858651.99	0.0052	0.00105328	1.19E-07	4.69E-08	1.90E-05	2.15E-09	8.45E-10
494361.06, 3858651.99	0.00528	0.00106948	1.21E-07	4.77E-08	1.93E-05	2.18E-09	8.58E-10
494411.06, 3858651.99	0.00543	0.00109987	1.25E-07	4.90E-08	1.98E-05	2.25E-09	8.82E-10
494461.06, 3858651.99	0.00553	0.00112012	1.27E-07	4.99E-08	2.02E-05	2.29E-09	8.99E-10
494511.06, 3858651.99	0.00552	0.0011181	1.27E-07	4.98E-08	2.01E-05	2.28E-09	8.97E-10
494561.06, 3858651.99	0.00552	0.0011181	1.27E-07	4.98E-08	2.01E-05	2.28E-09	8.97E-10
494611.06, 3858651.99	0.00551	0.00111607	1.27E-07	4.97E-08	2.01E-05	2.28E-09	8.95E-10
494661.06, 3858651.99	0.00549	0.00111202	1.26E-07	4.96E-08	2.00E-05	2.27E-09	8.92E-10
494711.06, 3858651.99	0.00547	0.00110797	1.26E-07	4.94E-08	1.99E-05	2.26E-09	8.89E-10
494761.06, 3858651.99	0.00546	0.00110594	1.25E-07	4.93E-08	1.99E-05	2.26E-09	8.87E-10
494811.06, 3858651.99	0.00544	0.00110189	1.25E-07	4.91E-08	1.98E-05	2.25E-09	8.84E-10
494861.06, 3858651.99	0.00542	0.00109784	1.25E-07	4.89E-08	1.98E-05	2.24E-09	8.81E-10
494911.06, 3858651.99	0.0054	0.00109379	1.24E-07	4.87E-08	1.97E-05	2.23E-09	8.77E-10
494961.06, 3858651.99	0.00538	0.00108974	1.24E-07	4.86E-08	1.96E-05	2.23E-09	8.74E-10
495011.06, 3858651.99	0.00536	0.00108569	1.23E-07	4.84E-08	1.95E-05	2.22E-09	8.71E-10
495061.06, 3858651.99	0.00532	0.00107759	1.22E-07	4.80E-08	1.94E-05	2.20E-09	8.64E-10
495111.06, 3858651.99	0.00526	0.00106543	1.21E-07	4.75E-08	1.92E-05	2.18E-09	8.55E-10
495161.06, 3858651.99	0.00524	0.00106138	1.20E-07	4.73E-08	1.91E-05	2.17E-09	8.51E-10
495211.06, 3858651.99	0.00521	0.0010553	1.20E-07	4.70E-08	1.90E-05	2.15E-09	8.47E-10
495261.06, 3858651.99	0.00521	0.0010553	1.20E-07	4.70E-08	1.90E-05	2.15E-09	8.47E-10
495311.06, 3858651.99	0.00521	0.0010553	1.20E-07	4.70E-08	1.90E-05	2.15E-09	8.47E-10
495361.06, 3858651.99	0.00522	0.00105733	1.20E-07	4.71E-08	1.90E-05	2.16E-09	8.48E-10
495411.06, 3858651.99	0.00524	0.00106138	1.20E-07	4.73E-08	1.91E-05	2.17E-09	8.51E-10
495461.06, 3858651.99	0.00526	0.00106543	1.21E-07	4.75E-08	1.92E-05	2.18E-09	8.55E-10
495511.06, 3858651.99	0.00526	0.00106543	1.21E-07	4.75E-08	1.92E-05	2.18E-09	8.55E-10
495561.06, 3858651.99	0.00526	0.00106543	1.21E-07	4.75E-08	1.92E-05	2.18E-09	8.55E-10
495611.06, 3858651.99	0.00526	0.00106543	1.21E-07	4.75E-08	1.92E-05	2.18E-09	8.55E-10
495661.06, 3858651.99	0.00528	0.00106948	1.21E-07	4.77E-08	1.93E-05	2.18E-09	8.58E-10
494311.06, 3858701.99	0.00541	0.00109581	1.24E-07	4.88E-08	1.97E-05	2.24E-09	8.79E-10
494361.06, 3858701.99	0.00554	0.00112215	1.27E-07	5.00E-08	2.02E-05	2.29E-09	9.00E-10
494411.06, 3858701.99	0.00566	0.00114645	1.30E-07	5.11E-08	2.06E-05	2.34E-09	9.20E-10
494461.06, 3858701.99	0.00568	0.0011505	1.30E-07	5.13E-08	2.07E-05	2.35E-09	9.23E-10
494511.06, 3858701.99	0.00577	0.00116873	1.33E-07	5.21E-08	2.10E-05	2.39E-09	9.38E-10
494561.06, 3858701.99	0.00577	0.00116873	1.33E-07	5.21E-08	2.10E-05	2.39E-09	9.38E-10
494611.06, 3858701.99	0.00573	0.00116063	1.32E-07	5.17E-08	2.09E-05	2.37E-09	9.31E-10
494661.06, 3858701.99	0.00574	0.00116266	1.32E-07	5.18E-08	2.09E-05	2.37E-09	9.33E-10
494711.06, 3858701.99	0.00565	0.00114443	1.30E-07	5.10E-08	2.06E-05	2.34E-09	9.18E-10

494761.06, 3858701.99	0.0057	0.00115456	1.31E-07	5.14E-08	2.08E-05	2.36E-09	9.26E-10
494811.06, 3858701.99	0.00568	0.0011505	1.30E-07	5.13E-08	2.07E-05	2.35E-09	9.23E-10
494861.06, 3858701.99	0.00567	0.00114848	1.30E-07	5.12E-08	2.07E-05	2.35E-09	9.21E-10
494911.06, 3858701.99	0.00566	0.00114645	1.30E-07	5.11E-08	2.06E-05	2.34E-09	9.20E-10
494961.06, 3858701.99	0.00561	0.00113633	1.29E-07	5.06E-08	2.05E-05	2.32E-09	9.12E-10
495011.06, 3858701.99	0.00558	0.00113025	1.28E-07	5.04E-08	2.03E-05	2.31E-09	9.07E-10
495061.06, 3858701.99	0.00556	0.0011262	1.28E-07	5.02E-08	2.03E-05	2.30E-09	9.03E-10
495111.06, 3858701.99	0.00552	0.0011181	1.27E-07	4.98E-08	2.01E-05	2.28E-09	8.97E-10
495161.06, 3858701.99	0.00549	0.00111202	1.26E-07	4.96E-08	2.00E-05	2.27E-09	8.92E-10
495211.06, 3858701.99	0.00547	0.00110797	1.26E-07	4.94E-08	1.99E-05	2.26E-09	8.89E-10
495261.06, 3858701.99	0.00547	0.00110797	1.26E-07	4.94E-08	1.99E-05	2.26E-09	8.89E-10
495311.06, 3858701.99	0.00548	0.00110999	1.26E-07	4.95E-08	2.00E-05	2.27E-09	8.90E-10
495361.06, 3858701.99	0.00549	0.00111202	1.26E-07	4.96E-08	2.00E-05	2.27E-09	8.92E-10
495411.06, 3858701.99	0.00551	0.00111607	1.27E-07	4.97E-08	2.01E-05	2.28E-09	8.95E-10
495461.06, 3858701.99	0.00552	0.0011181	1.27E-07	4.98E-08	2.01E-05	2.28E-09	8.97E-10
495511.06, 3858701.99	0.00551	0.00111607	1.27E-07	4.97E-08	2.01E-05	2.28E-09	8.95E-10
495561.06, 3858701.99	0.00551	0.00111607	1.27E-07	4.97E-08	2.01E-05	2.28E-09	8.95E-10
495611.06, 3858701.99	0.00552	0.0011181	1.27E-07	4.98E-08	2.01E-05	2.28E-09	8.97E-10
495661.06, 3858701.99	0.00553	0.00112012	1.27E-07	4.99E-08	2.02E-05	2.29E-09	8.99E-10
494311.06, 3858751.99	0.00562	0.00113835	1.29E-07	5.07E-08	2.05E-05	2.32E-09	9.13E-10
494361.06, 3858751.99	0.0058	0.00117481	1.33E-07	5.23E-08	2.12E-05	2.40E-09	9.42E-10
494411.06, 3858751.99	0.00591	0.00119709	1.36E-07	5.33E-08	2.16E-05	2.44E-09	9.60E-10
494461.06, 3858751.99	0.00594	0.00120317	1.36E-07	5.36E-08	2.17E-05	2.46E-09	9.65E-10
494511.06, 3858751.99	0.00605	0.00122545	1.39E-07	5.46E-08	2.21E-05	2.50E-09	9.83E-10
494561.06, 3858751.99	0.00599	0.0012133	1.38E-07	5.41E-08	2.18E-05	2.48E-09	9.73E-10
494611.06, 3858751.99	0.00598	0.00121127	1.37E-07	5.40E-08	2.18E-05	2.47E-09	9.72E-10
494661.06, 3858751.99	0.00593	0.00120114	1.36E-07	5.35E-08	2.16E-05	2.45E-09	9.64E-10
494711.06, 3858751.99	0.00589	0.00119304	1.35E-07	5.32E-08	2.15E-05	2.44E-09	9.57E-10
494761.06, 3858751.99	0.00597	0.00120924	1.37E-07	5.39E-08	2.18E-05	2.47E-09	9.70E-10
494811.06, 3858751.99	0.00594	0.00120317	1.36E-07	5.36E-08	2.17E-05	2.46E-09	9.65E-10
494861.06, 3858751.99	0.00592	0.00119912	1.36E-07	5.34E-08	2.16E-05	2.45E-09	9.62E-10
494911.06, 3858751.99	0.00589	0.00119304	1.35E-07	5.32E-08	2.15E-05	2.44E-09	9.57E-10
494961.06, 3858751.99	0.00587	0.00118899	1.35E-07	5.30E-08	2.14E-05	2.43E-09	9.54E-10
495011.06, 3858751.99	0.00586	0.00118696	1.35E-07	5.29E-08	2.14E-05	2.42E-09	9.52E-10
495061.06, 3858751.99	0.00582	0.00117886	1.34E-07	5.25E-08	2.12E-05	2.41E-09	9.46E-10
495111.06, 3858751.99	0.00578	0.00117076	1.33E-07	5.22E-08	2.11E-05	2.39E-09	9.39E-10
495161.06, 3858751.99	0.00575	0.00116468	1.32E-07	5.19E-08	2.10E-05	2.38E-09	9.34E-10
495211.06, 3858751.99	0.00573	0.00116063	1.32E-07	5.17E-08	2.09E-05	2.37E-09	9.31E-10
495261.06, 3858751.99	0.00573	0.00116063	1.32E-07	5.17E-08	2.09E-05	2.37E-09	9.31E-10
495311.06, 3858751.99	0.00575	0.00116468	1.32E-07	5.19E-08	2.10E-05	2.38E-09	9.34E-10
495361.06, 3858751.99	0.00576	0.00116671	1.32E-07	5.20E-08	2.10E-05	2.38E-09	9.36E-10
495411.06, 3858751.99	0.00578	0.00117076	1.33E-07	5.22E-08	2.11E-05	2.39E-09	9.39E-10
495461.06, 3858751.99	0.00579	0.00117279	1.33E-07	5.23E-08	2.11E-05	2.39E-09	9.41E-10
495511.06, 3858751.99	0.0058	0.00117481	1.33E-07	5.23E-08	2.12E-05	2.40E-09	9.42E-10
495561.06, 3858751.99	0.00581	0.00117684	1.33E-07	5.24E-08	2.12E-05	2.40E-09	9.44E-10
495611.06, 3858751.99	0.00582	0.00117886	1.34E-07	5.25E-08	2.12E-05	2.41E-09	9.46E-10
495661.06, 3858751.99	0.00583	0.00118089	1.34E-07	5.26E-08	2.13E-05	2.41E-09	9.47E-10
494311.06, 3858801.99	0.00586	0.00118696	1.35E-07	5.29E-08	2.14E-05	2.42E-09	9.52E-10
494361.06, 3858801.99	0.00606	0.00122747	1.39E-07	5.47E-08	2.21E-05	2.51E-09	9.85E-10
494411.06, 3858801.99	0.00615	0.0012457	1.41E-07	5.55E-08	2.24E-05	2.54E-09	9.99E-10
494461.06, 3858801.99	0.00621	0.00125786	1.43E-07	5.60E-08	2.26E-05	2.57E-09	1.01E-09
494511.06, 3858801.99	0.00634	0.00128419	1.46E-07	5.72E-08	2.31E-05	2.62E-09	1.03E-09
494561.06, 3858801.99	0.00635	0.00128622	1.46E-07	5.73E-08	2.32E-05	2.63E-09	1.03E-09
494611.06, 3858801.99	0.00634	0.00128419	1.46E-07	5.72E-08	2.31E-05	2.62E-09	1.03E-09
494661.06, 3858801.99	0.00631	0.00127811	1.45E-07	5.70E-08	2.30E-05	2.61E-09	1.03E-09
494711.06, 3858801.99	0.00628	0.00127204	1.44E-07	5.67E-08	2.29E-05	2.60E-09	1.02E-09
494761.06, 3858801.99	0.00624	0.00126393	1.43E-07	5.63E-08	2.28E-05	2.58E-09	1.01E-09
494811.06, 3858801.99	0.0062	0.00125583	1.42E-07	5.60E-08	2.26E-05	2.56E-09	1.01E-09
494861.06, 3858801.99	0.0062	0.00125583	1.42E-07	5.60E-08	2.26E-05	2.56E-09	1.01E-09
494911.06, 3858801.99	0.00617	0.00124976	1.42E-07	5.57E-08	2.25E-05	2.55E-09	1.00E-09
494961.06, 3858801.99	0.00615	0.0012457	1.41E-07	5.55E-08	2.24E-05	2.54E-09	9.99E-10

495011.06, 3858801.99	0.00612	0.00123963	1.41E-07	5.52E-08	2.23E-05	2.53E-09	9.94E-10
495061.06, 3858801.99	0.0061	0.00123558	1.40E-07	5.51E-08	2.22E-05	2.52E-09	9.91E-10
495111.06, 3858801.99	0.00605	0.00122545	1.39E-07	5.46E-08	2.21E-05	2.50E-09	9.83E-10
495161.06, 3858801.99	0.00602	0.00121937	1.38E-07	5.43E-08	2.20E-05	2.49E-09	9.78E-10
495211.06, 3858801.99	0.00601	0.00121735	1.38E-07	5.42E-08	2.19E-05	2.49E-09	9.77E-10
495261.06, 3858801.99	0.00602	0.00121937	1.38E-07	5.43E-08	2.20E-05	2.49E-09	9.78E-10
495311.06, 3858801.99	0.00604	0.00122342	1.39E-07	5.45E-08	2.20E-05	2.50E-09	9.81E-10
495361.06, 3858801.99	0.00605	0.00122545	1.39E-07	5.46E-08	2.21E-05	2.50E-09	9.83E-10
495411.06, 3858801.99	0.00608	0.00123153	1.40E-07	5.49E-08	2.22E-05	2.51E-09	9.88E-10
495461.06, 3858801.99	0.00609	0.00123355	1.40E-07	5.50E-08	2.22E-05	2.52E-09	9.90E-10
495511.06, 3858801.99	0.00609	0.00123355	1.40E-07	5.50E-08	2.22E-05	2.52E-09	9.90E-10
495561.06, 3858801.99	0.0061	0.00123558	1.40E-07	5.51E-08	2.22E-05	2.52E-09	9.91E-10
495611.06, 3858801.99	0.0061	0.00123558	1.40E-07	5.51E-08	2.22E-05	2.52E-09	9.91E-10
495661.06, 3858801.99	0.00613	0.00124165	1.41E-07	5.53E-08	2.24E-05	2.54E-09	9.96E-10
494311.06, 3858851.99	0.00625	0.00126596	1.44E-07	5.64E-08	2.28E-05	2.59E-09	1.02E-09
494361.06, 3858851.99	0.0064	0.00129634	1.47E-07	5.78E-08	2.33E-05	2.65E-09	1.04E-09
494411.06, 3858851.99	0.00645	0.00130647	1.48E-07	5.82E-08	2.35E-05	2.67E-09	1.05E-09
494461.06, 3858851.99	0.00651	0.00131862	1.50E-07	5.88E-08	2.37E-05	2.69E-09	1.06E-09
494511.06, 3858851.99	0.00664	0.00134496	1.53E-07	5.99E-08	2.42E-05	2.75E-09	1.08E-09
494561.06, 3858851.99	0.00665	0.00134698	1.53E-07	6.00E-08	2.43E-05	2.75E-09	1.08E-09
494611.06, 3858851.99	0.00663	0.00134293	1.52E-07	5.98E-08	2.42E-05	2.74E-09	1.08E-09
494661.06, 3858851.99	0.00661	0.00133888	1.52E-07	5.97E-08	2.41E-05	2.73E-09	1.07E-09
494711.06, 3858851.99	0.00656	0.00132875	1.51E-07	5.92E-08	2.39E-05	2.71E-09	1.07E-09
494761.06, 3858851.99	0.00652	0.00132065	1.50E-07	5.88E-08	2.38E-05	2.70E-09	1.06E-09
494811.06, 3858851.99	0.0065	0.0013166	1.49E-07	5.87E-08	2.37E-05	2.69E-09	1.06E-09
494861.06, 3858851.99	0.0065	0.0013166	1.49E-07	5.87E-08	2.37E-05	2.69E-09	1.06E-09
494911.06, 3858851.99	0.00647	0.00131052	1.49E-07	5.84E-08	2.36E-05	2.68E-09	1.05E-09
494961.06, 3858851.99	0.00645	0.00130647	1.48E-07	5.82E-08	2.35E-05	2.67E-09	1.05E-09
495011.06, 3858851.99	0.00643	0.00130242	1.48E-07	5.80E-08	2.34E-05	2.66E-09	1.04E-09
495061.06, 3858851.99	0.0064	0.00129634	1.47E-07	5.78E-08	2.33E-05	2.65E-09	1.04E-09
495111.06, 3858851.99	0.00633	0.00128216	1.45E-07	5.71E-08	2.31E-05	2.62E-09	1.03E-09
495161.06, 3858851.99	0.0063	0.00127609	1.45E-07	5.69E-08	2.30E-05	2.61E-09	1.02E-09
495211.06, 3858851.99	0.00632	0.00128014	1.45E-07	5.70E-08	2.30E-05	2.61E-09	1.03E-09
495261.06, 3858851.99	0.00633	0.00128216	1.45E-07	5.71E-08	2.31E-05	2.62E-09	1.03E-09
495311.06, 3858851.99	0.00635	0.00128622	1.46E-07	5.73E-08	2.32E-05	2.63E-09	1.03E-09
495361.06, 3858851.99	0.00636	0.00128824	1.46E-07	5.74E-08	2.32E-05	2.63E-09	1.03E-09
495411.06, 3858851.99	0.00638	0.00129229	1.47E-07	5.76E-08	2.33E-05	2.64E-09	1.04E-09
495461.06, 3858851.99	0.0064	0.00129634	1.47E-07	5.78E-08	2.33E-05	2.65E-09	1.04E-09
495511.06, 3858851.99	0.00638	0.00129229	1.47E-07	5.76E-08	2.33E-05	2.64E-09	1.04E-09
495561.06, 3858851.99	0.0064	0.00129634	1.47E-07	5.78E-08	2.33E-05	2.65E-09	1.04E-09
495611.06, 3858851.99	0.0064	0.00129634	1.47E-07	5.78E-08	2.33E-05	2.65E-09	1.04E-09
495661.06, 3858851.99	0.00643	0.00130242	1.48E-07	5.80E-08	2.34E-05	2.66E-09	1.04E-09
494311.06, 3858901.99	0.00656	0.00132875	1.51E-07	5.92E-08	2.39E-05	2.71E-09	1.07E-09
494361.06, 3858901.99	0.00671	0.00135913	1.54E-07	6.06E-08	2.45E-05	2.78E-09	1.09E-09
494411.06, 3858901.99	0.00678	0.00137331	1.56E-07	6.12E-08	2.47E-05	2.80E-09	1.10E-09
494461.06, 3858901.99	0.00694	0.00140572	1.59E-07	6.26E-08	2.53E-05	2.87E-09	1.13E-09
494511.06, 3858901.99	0.00699	0.00141585	1.61E-07	6.31E-08	2.55E-05	2.89E-09	1.14E-09
494561.06, 3858901.99	0.00698	0.00141382	1.60E-07	6.30E-08	2.55E-05	2.89E-09	1.13E-09
494611.06, 3858901.99	0.00693	0.0014037	1.59E-07	6.25E-08	2.53E-05	2.87E-09	1.13E-09
494661.06, 3858901.99	0.00692	0.00140167	1.59E-07	6.25E-08	2.52E-05	2.86E-09	1.12E-09
494711.06, 3858901.99	0.00688	0.00139357	1.58E-07	6.21E-08	2.51E-05	2.85E-09	1.12E-09
494761.06, 3858901.99	0.00683	0.00138344	1.57E-07	6.16E-08	2.49E-05	2.83E-09	1.11E-09
494811.06, 3858901.99	0.00682	0.00138142	1.57E-07	6.16E-08	2.49E-05	2.82E-09	1.11E-09
494861.06, 3858901.99	0.00682	0.00138142	1.57E-07	6.16E-08	2.49E-05	2.82E-09	1.11E-09
494911.06, 3858901.99	0.00677	0.00137129	1.56E-07	6.11E-08	2.47E-05	2.80E-09	1.10E-09
494961.06, 3858901.99	0.00676	0.00136926	1.55E-07	6.10E-08	2.47E-05	2.80E-09	1.10E-09
495011.06, 3858901.99	0.00674	0.00136521	1.55E-07	6.08E-08	2.46E-05	2.79E-09	1.10E-09
495061.06, 3858901.99	0.00669	0.00135508	1.54E-07	6.04E-08	2.44E-05	2.77E-09	1.09E-09
495111.06, 3858901.99	0.00662	0.0013409	1.52E-07	5.98E-08	2.41E-05	2.74E-09	1.08E-09
495161.06, 3858901.99	0.00661	0.00133888	1.52E-07	5.97E-08	2.41E-05	2.73E-09	1.07E-09
495211.06, 3858901.99	0.00664	0.00134496	1.53E-07	5.99E-08	2.42E-05	2.75E-09	1.08E-09

495261.06, 3858901.99	0.00666	0.00134901	1.53E-07	6.01E-08	2.43E-05	2.75E-09	1.08E-09
495311.06, 3858901.99	0.00668	0.00135306	1.53E-07	6.03E-08	2.44E-05	2.76E-09	1.09E-09
495361.06, 3858901.99	0.00669	0.00135508	1.54E-07	6.04E-08	2.44E-05	2.77E-09	1.09E-09
495411.06, 3858901.99	0.00672	0.00136116	1.54E-07	6.07E-08	2.45E-05	2.78E-09	1.09E-09
495461.06, 3858901.99	0.00673	0.00136319	1.55E-07	6.07E-08	2.45E-05	2.78E-09	1.09E-09
495511.06, 3858901.99	0.00672	0.00136116	1.54E-07	6.07E-08	2.45E-05	2.78E-09	1.09E-09
495561.06, 3858901.99	0.00673	0.00136319	1.55E-07	6.07E-08	2.45E-05	2.78E-09	1.09E-09
495611.06, 3858901.99	0.00673	0.00136319	1.55E-07	6.07E-08	2.45E-05	2.78E-09	1.09E-09
495661.06, 3858901.99	0.00677	0.00137129	1.56E-07	6.11E-08	2.47E-05	2.80E-09	1.10E-09
494311.06, 3858951.99	0.00695	0.00140775	1.60E-07	6.27E-08	2.53E-05	2.87E-09	1.13E-09
494361.06, 3858951.99	0.00706	0.00143003	1.62E-07	6.37E-08	2.57E-05	2.92E-09	1.15E-09
494411.06, 3858951.99	0.0071	0.00143813	1.63E-07	6.41E-08	2.59E-05	2.94E-09	1.15E-09
494461.06, 3858951.99	0.00729	0.00147662	1.67E-07	6.58E-08	2.66E-05	3.02E-09	1.18E-09
494511.06, 3858951.99	0.00733	0.00148472	1.68E-07	6.62E-08	2.67E-05	3.03E-09	1.19E-09
494561.06, 3858951.99	0.00732	0.00148269	1.68E-07	6.61E-08	2.67E-05	3.03E-09	1.19E-09
494611.06, 3858951.99	0.00729	0.00147662	1.67E-07	6.58E-08	2.66E-05	3.02E-09	1.18E-09
494661.06, 3858951.99	0.00725	0.00146851	1.67E-07	6.54E-08	2.64E-05	3.00E-09	1.18E-09
494711.06, 3858951.99	0.00719	0.00145636	1.65E-07	6.49E-08	2.62E-05	2.97E-09	1.17E-09
494761.06, 3858951.99	0.00717	0.00145231	1.65E-07	6.47E-08	2.61E-05	2.97E-09	1.17E-09
494811.06, 3858951.99	0.00717	0.00145231	1.65E-07	6.47E-08	2.61E-05	2.97E-09	1.17E-09
494861.06, 3858951.99	0.00716	0.00145028	1.64E-07	6.46E-08	2.61E-05	2.96E-09	1.16E-09
494911.06, 3858951.99	0.00714	0.00144623	1.64E-07	6.44E-08	2.60E-05	2.95E-09	1.16E-09
494961.06, 3858951.99	0.00714	0.00144623	1.64E-07	6.44E-08	2.60E-05	2.95E-09	1.16E-09
495011.06, 3858951.99	0.00706	0.00143003	1.62E-07	6.37E-08	2.57E-05	2.92E-09	1.15E-09
495061.06, 3858951.99	0.00698	0.00141382	1.60E-07	6.30E-08	2.55E-05	2.89E-09	1.13E-09
495111.06, 3858951.99	0.00693	0.0014037	1.59E-07	6.25E-08	2.53E-05	2.87E-09	1.13E-09
495161.06, 3858951.99	0.00698	0.00141382	1.60E-07	6.30E-08	2.55E-05	2.89E-09	1.13E-09
495211.06, 3858951.99	0.007	0.00141788	1.61E-07	6.32E-08	2.55E-05	2.90E-09	1.14E-09
495261.06, 3858951.99	0.00702	0.00142193	1.61E-07	6.34E-08	2.56E-05	2.90E-09	1.14E-09
495311.06, 3858951.99	0.00702	0.00142193	1.61E-07	6.34E-08	2.56E-05	2.90E-09	1.14E-09
495361.06, 3858951.99	0.00704	0.00142598	1.62E-07	6.35E-08	2.57E-05	2.91E-09	1.14E-09
495411.06, 3858951.99	0.00707	0.00143205	1.62E-07	6.38E-08	2.58E-05	2.92E-09	1.15E-09
495461.06, 3858951.99	0.00708	0.00143408	1.63E-07	6.39E-08	2.58E-05	2.93E-09	1.15E-09
495511.06, 3858951.99	0.00711	0.00144016	1.63E-07	6.42E-08	2.59E-05	2.94E-09	1.16E-09
495561.06, 3858951.99	0.00709	0.00143611	1.63E-07	6.40E-08	2.59E-05	2.93E-09	1.15E-09
495611.06, 3858951.99	0.00709	0.00143611	1.63E-07	6.40E-08	2.59E-05	2.93E-09	1.15E-09
495661.06, 3858951.99	0.00713	0.00144421	1.64E-07	6.44E-08	2.60E-05	2.95E-09	1.16E-09
494311.06, 3859001.99	0.00733	0.00148472	1.68E-07	6.62E-08	2.67E-05	3.03E-09	1.19E-09
494361.06, 3859001.99	0.00741	0.00150092	1.70E-07	6.69E-08	2.70E-05	3.06E-09	1.20E-09
494411.06, 3859001.99	0.00761	0.00154143	1.75E-07	6.87E-08	2.78E-05	3.15E-09	1.24E-09
494461.06, 3859001.99	0.00767	0.00155359	1.76E-07	6.92E-08	2.80E-05	3.17E-09	1.25E-09
494511.06, 3859001.99	0.00771	0.00156169	1.77E-07	6.96E-08	2.81E-05	3.19E-09	1.25E-09
494561.06, 3859001.99	0.00768	0.00155561	1.76E-07	6.93E-08	2.80E-05	3.18E-09	1.25E-09
494611.06, 3859001.99	0.00765	0.00154954	1.76E-07	6.90E-08	2.79E-05	3.16E-09	1.24E-09
494661.06, 3859001.99	0.0076	0.00153941	1.75E-07	6.86E-08	2.77E-05	3.14E-09	1.23E-09
494711.06, 3859001.99	0.00754	0.00152725	1.73E-07	6.81E-08	2.75E-05	3.12E-09	1.23E-09
494761.06, 3859001.99	0.00753	0.00152523	1.73E-07	6.80E-08	2.75E-05	3.11E-09	1.22E-09
494811.06, 3859001.99	0.00755	0.00152928	1.73E-07	6.81E-08	2.75E-05	3.12E-09	1.23E-09
494861.06, 3859001.99	0.00753	0.00152523	1.73E-07	6.80E-08	2.75E-05	3.11E-09	1.22E-09
494911.06, 3859001.99	0.00751	0.00152118	1.73E-07	6.78E-08	2.74E-05	3.11E-09	1.22E-09
494961.06, 3859001.99	0.00749	0.00151713	1.72E-07	6.76E-08	2.73E-05	3.10E-09	1.22E-09
495011.06, 3859001.99	0.00734	0.00148674	1.69E-07	6.62E-08	2.68E-05	3.04E-09	1.19E-09
495061.06, 3859001.99	0.00733	0.00148472	1.68E-07	6.62E-08	2.67E-05	3.03E-09	1.19E-09
495111.06, 3859001.99	0.00728	0.00147459	1.67E-07	6.57E-08	2.65E-05	3.01E-09	1.18E-09
495161.06, 3859001.99	0.00736	0.00149079	1.69E-07	6.64E-08	2.68E-05	3.04E-09	1.20E-09
495211.06, 3859001.99	0.00737	0.00149282	1.69E-07	6.65E-08	2.69E-05	3.05E-09	1.20E-09
495261.06, 3859001.99	0.0074	0.0014989	1.70E-07	6.68E-08	2.70E-05	3.06E-09	1.20E-09
495311.06, 3859001.99	0.00741	0.00150092	1.70E-07	6.69E-08	2.70E-05	3.06E-09	1.20E-09
495361.06, 3859001.99	0.00744	0.001507	1.71E-07	6.72E-08	2.71E-05	3.08E-09	1.21E-09
495411.06, 3859001.99	0.00745	0.00150902	1.71E-07	6.72E-08	2.72E-05	3.08E-09	1.21E-09
495461.06, 3859001.99	0.00747	0.00151308	1.72E-07	6.74E-08	2.72E-05	3.09E-09	1.21E-09

495511.06, 3859001.99	0.00746	0.00151105	1.71E-07	6.73E-08	2.72E-05	3.09E-09	1.21E-09
495561.06, 3859001.99	0.00747	0.00151308	1.72E-07	6.74E-08	2.72E-05	3.09E-09	1.21E-09
495611.06, 3859001.99	0.00748	0.0015151	1.72E-07	6.75E-08	2.73E-05	3.09E-09	1.22E-09
495661.06, 3859001.99	0.00754	0.00152725	1.73E-07	6.81E-08	2.75E-05	3.12E-09	1.23E-09
494311.06, 3859051.99	0.00773	0.00156574	1.78E-07	6.98E-08	2.82E-05	3.20E-09	1.26E-09
494361.06, 3859051.99	0.00796	0.00161233	1.83E-07	7.18E-08	2.90E-05	3.29E-09	1.29E-09
494411.06, 3859051.99	0.00802	0.00162448	1.84E-07	7.24E-08	2.92E-05	3.32E-09	1.30E-09
494461.06, 3859051.99	0.00806	0.00163258	1.85E-07	7.27E-08	2.94E-05	3.33E-09	1.31E-09
494511.06, 3859051.99	0.00806	0.00163258	1.85E-07	7.27E-08	2.94E-05	3.33E-09	1.31E-09
494561.06, 3859051.99	0.00806	0.00163258	1.85E-07	7.27E-08	2.94E-05	3.33E-09	1.31E-09
494611.06, 3859051.99	0.00803	0.00162651	1.84E-07	7.25E-08	2.93E-05	3.32E-09	1.30E-09
494661.06, 3859051.99	0.00799	0.0016184	1.84E-07	7.21E-08	2.91E-05	3.30E-09	1.30E-09
494711.06, 3859051.99	0.00796	0.00161233	1.83E-07	7.18E-08	2.90E-05	3.29E-09	1.29E-09
494761.06, 3859051.99	0.00793	0.00160625	1.82E-07	7.16E-08	2.89E-05	3.28E-09	1.29E-09
494811.06, 3859051.99	0.00793	0.00160625	1.82E-07	7.16E-08	2.89E-05	3.28E-09	1.29E-09
494861.06, 3859051.99	0.00793	0.00160625	1.82E-07	7.16E-08	2.89E-05	3.28E-09	1.29E-09
494911.06, 3859051.99	0.0079	0.00160017	1.81E-07	7.13E-08	2.88E-05	3.27E-09	1.28E-09
494961.06, 3859051.99	0.00781	0.00158194	1.79E-07	7.05E-08	2.85E-05	3.23E-09	1.27E-09
495011.06, 3859051.99	0.00776	0.00157182	1.78E-07	7.00E-08	2.83E-05	3.21E-09	1.26E-09
495061.06, 3859051.99	0.00772	0.00156371	1.77E-07	6.97E-08	2.82E-05	3.19E-09	1.25E-09
495111.06, 3859051.99	0.00772	0.00156371	1.77E-07	6.97E-08	2.82E-05	3.19E-09	1.25E-09
495161.06, 3859051.99	0.00778	0.00157587	1.79E-07	7.02E-08	2.84E-05	3.22E-09	1.26E-09
495211.06, 3859051.99	0.00777	0.00157384	1.79E-07	7.01E-08	2.83E-05	3.21E-09	1.26E-09
495261.06, 3859051.99	0.00782	0.00158397	1.80E-07	7.06E-08	2.85E-05	3.23E-09	1.27E-09
495311.06, 3859051.99	0.00783	0.00158599	1.80E-07	7.07E-08	2.86E-05	3.24E-09	1.27E-09
495361.06, 3859051.99	0.00785	0.00159005	1.80E-07	7.09E-08	2.86E-05	3.25E-09	1.28E-09
495411.06, 3859051.99	0.00788	0.00159612	1.81E-07	7.11E-08	2.87E-05	3.26E-09	1.28E-09
495461.06, 3859051.99	0.0079	0.00160017	1.81E-07	7.13E-08	2.88E-05	3.27E-09	1.28E-09
495511.06, 3859051.99	0.00789	0.00159815	1.81E-07	7.12E-08	2.88E-05	3.26E-09	1.28E-09
495561.06, 3859051.99	0.00789	0.00159815	1.81E-07	7.12E-08	2.88E-05	3.26E-09	1.28E-09
495611.06, 3859051.99	0.00789	0.00159815	1.81E-07	7.12E-08	2.88E-05	3.26E-09	1.28E-09
495661.06, 3859051.99	0.00795	0.0016103	1.83E-07	7.18E-08	2.90E-05	3.29E-09	1.29E-09
494311.06, 3859101.99	0.00832	0.00168525	1.91E-07	7.51E-08	3.03E-05	3.44E-09	1.35E-09
494361.06, 3859101.99	0.00839	0.00169942	1.93E-07	7.57E-08	3.06E-05	3.47E-09	1.36E-09
494411.06, 3859101.99	0.00847	0.00171563	1.95E-07	7.64E-08	3.09E-05	3.50E-09	1.38E-09
494461.06, 3859101.99	0.0085	0.00172171	1.95E-07	7.67E-08	3.10E-05	3.52E-09	1.38E-09
494511.06, 3859101.99	0.00849	0.00171968	1.95E-07	7.66E-08	3.10E-05	3.51E-09	1.38E-09
494561.06, 3859101.99	0.00848	0.00171765	1.95E-07	7.65E-08	3.09E-05	3.51E-09	1.38E-09
494611.06, 3859101.99	0.00842	0.0017055	1.93E-07	7.60E-08	3.07E-05	3.48E-09	1.37E-09
494661.06, 3859101.99	0.00841	0.00170348	1.93E-07	7.59E-08	3.07E-05	3.48E-09	1.37E-09
494711.06, 3859101.99	0.00835	0.00169132	1.92E-07	7.54E-08	3.04E-05	3.45E-09	1.36E-09
494761.06, 3859101.99	0.00838	0.0016974	1.93E-07	7.56E-08	3.06E-05	3.47E-09	1.36E-09
494811.06, 3859101.99	0.00837	0.00169537	1.92E-07	7.55E-08	3.05E-05	3.46E-09	1.36E-09
494861.06, 3859101.99	0.00836	0.00169335	1.92E-07	7.55E-08	3.05E-05	3.46E-09	1.36E-09
494911.06, 3859101.99	0.00832	0.00168525	1.91E-07	7.51E-08	3.03E-05	3.44E-09	1.35E-09
494961.06, 3859101.99	0.00823	0.00166702	1.89E-07	7.43E-08	3.00E-05	3.40E-09	1.34E-09
495011.06, 3859101.99	0.00812	0.00164474	1.87E-07	7.33E-08	2.96E-05	3.36E-09	1.32E-09
495061.06, 3859101.99	0.00815	0.00165081	1.87E-07	7.36E-08	2.97E-05	3.37E-09	1.32E-09
495111.06, 3859101.99	0.00815	0.00165081	1.87E-07	7.36E-08	2.97E-05	3.37E-09	1.32E-09
495161.06, 3859101.99	0.00821	0.00166297	1.89E-07	7.41E-08	2.99E-05	3.40E-09	1.33E-09
495211.06, 3859101.99	0.00822	0.00166499	1.89E-07	7.42E-08	3.00E-05	3.40E-09	1.34E-09
495261.06, 3859101.99	0.00826	0.00167309	1.90E-07	7.46E-08	3.01E-05	3.42E-09	1.34E-09
495311.06, 3859101.99	0.00823	0.00166702	1.89E-07	7.43E-08	3.00E-05	3.40E-09	1.34E-09
495361.06, 3859101.99	0.00832	0.00168525	1.91E-07	7.51E-08	3.03E-05	3.44E-09	1.35E-09
495411.06, 3859101.99	0.00834	0.0016893	1.92E-07	7.53E-08	3.04E-05	3.45E-09	1.36E-09
495461.06, 3859101.99	0.00825	0.00167107	1.90E-07	7.45E-08	3.01E-05	3.41E-09	1.34E-09
495511.06, 3859101.99	0.00827	0.00167512	1.90E-07	7.46E-08	3.02E-05	3.42E-09	1.34E-09
495561.06, 3859101.99	0.00836	0.00169335	1.92E-07	7.55E-08	3.05E-05	3.46E-09	1.36E-09
495611.06, 3859101.99	0.00836	0.00169335	1.92E-07	7.55E-08	3.05E-05	3.46E-09	1.36E-09
495661.06, 3859101.99	0.0084	0.00170145	1.93E-07	7.58E-08	3.06E-05	3.47E-09	1.36E-09
494311.06, 3859151.99	0.0088	0.00178247	2.02E-07	7.94E-08	3.21E-05	3.64E-09	1.43E-09

494361.06, 3859151.99	0.00889	0.0018007	2.04E-07	8.02E-08	3.24E-05	3.68E-09	1.44E-09
494411.06, 3859151.99	0.00893	0.0018088	2.05E-07	8.06E-08	3.26E-05	3.69E-09	1.45E-09
494461.06, 3859151.99	0.00895	0.00181285	2.06E-07	8.08E-08	3.26E-05	3.70E-09	1.45E-09
494511.06, 3859151.99	0.00893	0.0018088	2.05E-07	8.06E-08	3.26E-05	3.69E-09	1.45E-09
494561.06, 3859151.99	0.00893	0.0018088	2.05E-07	8.06E-08	3.26E-05	3.69E-09	1.45E-09
494611.06, 3859151.99	0.00889	0.0018007	2.04E-07	8.02E-08	3.24E-05	3.68E-09	1.44E-09
494661.06, 3859151.99	0.00888	0.00179868	2.04E-07	8.01E-08	3.24E-05	3.67E-09	1.44E-09
494711.06, 3859151.99	0.00889	0.0018007	2.04E-07	8.02E-08	3.24E-05	3.68E-09	1.44E-09
494761.06, 3859151.99	0.00884	0.00179057	2.03E-07	7.98E-08	3.22E-05	3.66E-09	1.44E-09
494811.06, 3859151.99	0.00882	0.00178652	2.03E-07	7.96E-08	3.22E-05	3.65E-09	1.43E-09
494861.06, 3859151.99	0.00883	0.00178855	2.03E-07	7.97E-08	3.22E-05	3.65E-09	1.43E-09
494911.06, 3859151.99	0.00877	0.0017764	2.01E-07	7.92E-08	3.20E-05	3.63E-09	1.43E-09
494961.06, 3859151.99	0.00861	0.00174399	1.98E-07	7.77E-08	3.14E-05	3.56E-09	1.40E-09
495011.06, 3859151.99	0.00857	0.00173588	1.97E-07	7.74E-08	3.13E-05	3.54E-09	1.39E-09
495061.06, 3859151.99	0.0086	0.00174196	1.98E-07	7.76E-08	3.14E-05	3.56E-09	1.40E-09
495111.06, 3859151.99	0.00862	0.00174601	1.98E-07	7.78E-08	3.14E-05	3.57E-09	1.40E-09
495161.06, 3859151.99	0.00869	0.00176019	2.00E-07	7.84E-08	3.17E-05	3.59E-09	1.41E-09
495211.06, 3859151.99	0.00871	0.00176424	2.00E-07	7.86E-08	3.18E-05	3.60E-09	1.42E-09
495261.06, 3859151.99	0.00874	0.00177032	2.01E-07	7.89E-08	3.19E-05	3.62E-09	1.42E-09
495311.06, 3859151.99	0.00877	0.0017764	2.01E-07	7.92E-08	3.20E-05	3.63E-09	1.43E-09
495361.06, 3859151.99	0.00879	0.00178045	2.02E-07	7.93E-08	3.21E-05	3.64E-09	1.43E-09
495411.06, 3859151.99	0.00885	0.0017926	2.03E-07	7.99E-08	3.23E-05	3.66E-09	1.44E-09
495461.06, 3859151.99	0.00887	0.00179665	2.04E-07	8.01E-08	3.23E-05	3.67E-09	1.44E-09
495511.06, 3859151.99	0.00885	0.0017926	2.03E-07	7.99E-08	3.23E-05	3.66E-09	1.44E-09
495561.06, 3859151.99	0.00886	0.00179462	2.04E-07	8.00E-08	3.23E-05	3.66E-09	1.44E-09
495611.06, 3859151.99	0.00888	0.00179868	2.04E-07	8.01E-08	3.24E-05	3.67E-09	1.44E-09
495661.06, 3859151.99	0.0089	0.00180273	2.04E-07	8.03E-08	3.25E-05	3.68E-09	1.45E-09
494311.06, 3859201.99	0.00933	0.00188983	2.14E-07	8.42E-08	3.40E-05	3.86E-09	1.52E-09
494361.06, 3859201.99	0.00939	0.00190198	2.16E-07	8.48E-08	3.42E-05	3.88E-09	1.53E-09
494411.06, 3859201.99	0.00944	0.00191211	2.17E-07	8.52E-08	3.44E-05	3.90E-09	1.53E-09
494461.06, 3859201.99	0.00944	0.00191211	2.17E-07	8.52E-08	3.44E-05	3.90E-09	1.53E-09
494511.06, 3859201.99	0.00946	0.00191616	2.17E-07	8.54E-08	3.45E-05	3.91E-09	1.54E-09
494561.06, 3859201.99	0.00941	0.00190603	2.16E-07	8.49E-08	3.43E-05	3.89E-09	1.53E-09
494611.06, 3859201.99	0.00939	0.00190198	2.16E-07	8.48E-08	3.42E-05	3.88E-09	1.53E-09
494661.06, 3859201.99	0.00939	0.00190198	2.16E-07	8.48E-08	3.42E-05	3.88E-09	1.53E-09
494711.06, 3859201.99	0.00939	0.00190198	2.16E-07	8.48E-08	3.42E-05	3.88E-09	1.53E-09
494761.06, 3859201.99	0.00935	0.00189388	2.15E-07	8.44E-08	3.41E-05	3.87E-09	1.52E-09
494811.06, 3859201.99	0.00933	0.00188983	2.14E-07	8.42E-08	3.40E-05	3.86E-09	1.52E-09
494861.06, 3859201.99	0.00922	0.00186754	2.12E-07	8.32E-08	3.36E-05	3.81E-09	1.50E-09
494911.06, 3859201.99	0.00922	0.00186754	2.12E-07	8.32E-08	3.36E-05	3.81E-09	1.50E-09
494961.06, 3859201.99	0.00913	0.00184931	2.10E-07	8.24E-08	3.33E-05	3.78E-09	1.48E-09
495011.06, 3859201.99	0.00899	0.00182096	2.07E-07	8.11E-08	3.28E-05	3.72E-09	1.46E-09
495061.06, 3859201.99	0.00911	0.00184526	2.09E-07	8.22E-08	3.32E-05	3.77E-09	1.48E-09
495111.06, 3859201.99	0.00916	0.00185539	2.10E-07	8.27E-08	3.34E-05	3.79E-09	1.49E-09
495161.06, 3859201.99	0.0092	0.00186349	2.11E-07	8.30E-08	3.35E-05	3.81E-09	1.49E-09
495211.06, 3859201.99	0.00921	0.00186552	2.12E-07	8.31E-08	3.36E-05	3.81E-09	1.50E-09
495261.06, 3859201.99	0.00926	0.00187565	2.13E-07	8.36E-08	3.38E-05	3.83E-09	1.50E-09
495311.06, 3859201.99	0.00929	0.00188172	2.13E-07	8.38E-08	3.39E-05	3.84E-09	1.51E-09
495361.06, 3859201.99	0.00932	0.0018878	2.14E-07	8.41E-08	3.40E-05	3.85E-09	1.51E-09
495411.06, 3859201.99	0.00938	0.00189995	2.16E-07	8.47E-08	3.42E-05	3.88E-09	1.52E-09
495461.06, 3859201.99	0.0094	0.001904	2.16E-07	8.48E-08	3.43E-05	3.89E-09	1.53E-09
495511.06, 3859201.99	0.00942	0.00190805	2.16E-07	8.50E-08	3.44E-05	3.90E-09	1.53E-09
495561.06, 3859201.99	0.0094	0.001904	2.16E-07	8.48E-08	3.43E-05	3.89E-09	1.53E-09
495611.06, 3859201.99	0.00941	0.00190603	2.16E-07	8.49E-08	3.43E-05	3.89E-09	1.53E-09
495661.06, 3859201.99	0.00944	0.00191211	2.17E-07	8.52E-08	3.44E-05	3.90E-09	1.53E-09
494311.06, 3859251.99	0.00991	0.00200731	2.28E-07	8.94E-08	3.61E-05	4.10E-09	1.61E-09
494361.06, 3859251.99	0.00994	0.00201338	2.28E-07	8.97E-08	3.62E-05	4.11E-09	1.62E-09
494411.06, 3859251.99	0.00994	0.00201338	2.28E-07	8.97E-08	3.62E-05	4.11E-09	1.62E-09
494461.06, 3859251.99	0.00998	0.00202148	2.29E-07	9.01E-08	3.64E-05	4.13E-09	1.62E-09
494511.06, 3859251.99	0.00994	0.00201338	2.28E-07	8.97E-08	3.62E-05	4.11E-09	1.62E-09
494561.06, 3859251.99	0.00994	0.00201338	2.28E-07	8.97E-08	3.62E-05	4.11E-09	1.62E-09

494611.06, 3859251.99	0.00991	0.00200731	2.28E-07	8.94E-08	3.61E-05	4.10E-09	1.61E-09
494661.06, 3859251.99	0.00994	0.00201338	2.28E-07	8.97E-08	3.62E-05	4.11E-09	1.62E-09
494711.06, 3859251.99	0.00994	0.00201338	2.28E-07	8.97E-08	3.62E-05	4.11E-09	1.62E-09
494761.06, 3859251.99	0.00974	0.00197287	2.24E-07	8.79E-08	3.55E-05	4.03E-09	1.58E-09
494811.06, 3859251.99	0.00988	0.00200123	2.27E-07	8.92E-08	3.60E-05	4.09E-09	1.61E-09
494861.06, 3859251.99	0.00968	0.00196072	2.22E-07	8.74E-08	3.53E-05	4.00E-09	1.57E-09
494911.06, 3859251.99	0.0097	0.00196477	2.23E-07	8.75E-08	3.54E-05	4.01E-09	1.58E-09
494961.06, 3859251.99	0.00968	0.00196072	2.22E-07	8.74E-08	3.53E-05	4.00E-09	1.57E-09
495011.06, 3859251.99	0.00965	0.00195464	2.22E-07	8.71E-08	3.52E-05	3.99E-09	1.57E-09
495061.06, 3859251.99	0.00971	0.0019668	2.23E-07	8.76E-08	3.54E-05	4.02E-09	1.58E-09
495111.06, 3859251.99	0.00973	0.00197085	2.24E-07	8.78E-08	3.55E-05	4.02E-09	1.58E-09
495161.06, 3859251.99	0.00977	0.00197895	2.24E-07	8.82E-08	3.56E-05	4.04E-09	1.59E-09
495211.06, 3859251.99	0.00979	0.001983	2.25E-07	8.84E-08	3.57E-05	4.05E-09	1.59E-09
495261.06, 3859251.99	0.00975	0.0019749	2.24E-07	8.80E-08	3.56E-05	4.03E-09	1.58E-09
495311.06, 3859251.99	0.00988	0.00200123	2.27E-07	8.92E-08	3.60E-05	4.09E-09	1.61E-09
495361.06, 3859251.99	0.00991	0.00200731	2.28E-07	8.94E-08	3.61E-05	4.10E-09	1.61E-09
495411.06, 3859251.99	0.00997	0.00201946	2.29E-07	9.00E-08	3.64E-05	4.12E-09	1.62E-09
495461.06, 3859251.99	0.01	0.00202554	2.30E-07	9.03E-08	3.65E-05	4.14E-09	1.62E-09
495511.06, 3859251.99	0.00998	0.00202148	2.29E-07	9.01E-08	3.64E-05	4.13E-09	1.62E-09
495561.06, 3859251.99	0.00999	0.00202351	2.30E-07	9.02E-08	3.64E-05	4.13E-09	1.62E-09
495611.06, 3859251.99	0.00999	0.00202351	2.30E-07	9.02E-08	3.64E-05	4.13E-09	1.62E-09
495661.06, 3859251.99	0.01001	0.00202756	2.30E-07	9.03E-08	3.65E-05	4.14E-09	1.63E-09
494311.06, 3859301.99	0.01054	0.00213491	2.42E-07	9.51E-08	3.84E-05	4.36E-09	1.71E-09
494361.06, 3859301.99	0.01056	0.00213897	2.43E-07	9.53E-08	3.85E-05	4.37E-09	1.72E-09
494411.06, 3859301.99	0.01055	0.00213694	2.42E-07	9.52E-08	3.85E-05	4.36E-09	1.71E-09
494461.06, 3859301.99	0.01053	0.00213289	2.42E-07	9.50E-08	3.84E-05	4.36E-09	1.71E-09
494511.06, 3859301.99	0.01052	0.00213086	2.42E-07	9.50E-08	3.84E-05	4.35E-09	1.71E-09
494561.06, 3859301.99	0.01053	0.00213289	2.42E-07	9.50E-08	3.84E-05	4.36E-09	1.71E-09
494611.06, 3859301.99	0.01052	0.00213086	2.42E-07	9.50E-08	3.84E-05	4.35E-09	1.71E-09
494661.06, 3859301.99	0.01052	0.00213086	2.42E-07	9.50E-08	3.84E-05	4.35E-09	1.71E-09
494711.06, 3859301.99	0.0105	0.00212681	2.41E-07	9.48E-08	3.83E-05	4.34E-09	1.71E-09
494761.06, 3859301.99	0.01049	0.00212479	2.41E-07	9.47E-08	3.83E-05	4.34E-09	1.70E-09
494811.06, 3859301.99	0.01044	0.00211466	2.40E-07	9.42E-08	3.81E-05	4.32E-09	1.70E-09
494861.06, 3859301.99	0.01032	0.00209035	2.37E-07	9.31E-08	3.76E-05	4.27E-09	1.68E-09
494911.06, 3859301.99	0.0103	0.0020863	2.37E-07	9.30E-08	3.76E-05	4.26E-09	1.67E-09
494961.06, 3859301.99	0.01014	0.00205389	2.33E-07	9.15E-08	3.70E-05	4.19E-09	1.65E-09
495011.06, 3859301.99	0.01014	0.00205389	2.33E-07	9.15E-08	3.70E-05	4.19E-09	1.65E-09
495061.06, 3859301.99	0.01022	0.0020701	2.35E-07	9.22E-08	3.73E-05	4.23E-09	1.66E-09
495111.06, 3859301.99	0.01025	0.00207617	2.35E-07	9.25E-08	3.74E-05	4.24E-09	1.67E-09
495161.06, 3859301.99	0.01034	0.0020944	2.38E-07	9.33E-08	3.77E-05	4.28E-09	1.68E-09
495211.06, 3859301.99	0.01043	0.00211263	2.40E-07	9.41E-08	3.80E-05	4.31E-09	1.69E-09
495261.06, 3859301.99	0.01049	0.00212479	2.41E-07	9.47E-08	3.83E-05	4.34E-09	1.70E-09
495311.06, 3859301.99	0.01048	0.00212276	2.41E-07	9.46E-08	3.82E-05	4.33E-09	1.70E-09
495361.06, 3859301.99	0.01055	0.00213694	2.42E-07	9.52E-08	3.85E-05	4.36E-09	1.71E-09
495411.06, 3859301.99	0.01059	0.00214504	2.43E-07	9.56E-08	3.86E-05	4.38E-09	1.72E-09
495461.06, 3859301.99	0.01064	0.00215517	2.44E-07	9.60E-08	3.88E-05	4.40E-09	1.73E-09
495511.06, 3859301.99	0.01064	0.00215517	2.44E-07	9.60E-08	3.88E-05	4.40E-09	1.73E-09
495561.06, 3859301.99	0.0106	0.00214707	2.44E-07	9.57E-08	3.87E-05	4.38E-09	1.72E-09
495611.06, 3859301.99	0.01062	0.00215112	2.44E-07	9.59E-08	3.87E-05	4.39E-09	1.73E-09
495661.06, 3859301.99	0.01064	0.00215517	2.44E-07	9.60E-08	3.88E-05	4.40E-09	1.73E-09
494311.06, 3859351.99	0.01119	0.00226657	2.57E-07	1.01E-07	4.08E-05	4.63E-09	1.82E-09
494361.06, 3859351.99	0.0112	0.0022686	2.57E-07	1.01E-07	4.08E-05	4.63E-09	1.82E-09
494411.06, 3859351.99	0.01116	0.0022605	2.56E-07	1.01E-07	4.07E-05	4.62E-09	1.81E-09
494461.06, 3859351.99	0.01116	0.0022605	2.56E-07	1.01E-07	4.07E-05	4.62E-09	1.81E-09
494511.06, 3859351.99	0.01115	0.00225847	2.56E-07	1.01E-07	4.07E-05	4.61E-09	1.81E-09
494561.06, 3859351.99	0.01118	0.00226455	2.57E-07	1.01E-07	4.08E-05	4.62E-09	1.82E-09
494611.06, 3859351.99	0.01118	0.00226455	2.57E-07	1.01E-07	4.08E-05	4.62E-09	1.82E-09
494661.06, 3859351.99	0.01117	0.00226252	2.57E-07	1.01E-07	4.07E-05	4.62E-09	1.82E-09
494711.06, 3859351.99	0.01114	0.00225645	2.56E-07	1.01E-07	4.06E-05	4.61E-09	1.81E-09
494761.06, 3859351.99	0.01092	0.00221189	2.51E-07	9.86E-08	3.98E-05	4.52E-09	1.77E-09
494811.06, 3859351.99	0.01093	0.00221391	2.51E-07	9.87E-08	3.99E-05	4.52E-09	1.78E-09

494861.06, 3859351.99	0.01094	0.00221594	2.51E-07	9.87E-08	3.99E-05	4.53E-09	1.78E-09
494911.06, 3859351.99	0.01097	0.00222201	2.52E-07	9.90E-08	4.00E-05	4.54E-09	1.78E-09
494961.06, 3859351.99	0.01094	0.00221594	2.51E-07	9.87E-08	3.99E-05	4.53E-09	1.78E-09
495011.06, 3859351.99	0.01094	0.00221594	2.51E-07	9.87E-08	3.99E-05	4.53E-09	1.78E-09
495061.06, 3859351.99	0.01107	0.00224227	2.54E-07	9.99E-08	4.04E-05	4.58E-09	1.80E-09
495111.06, 3859351.99	0.01107	0.00224227	2.54E-07	9.99E-08	4.04E-05	4.58E-09	1.80E-09
495161.06, 3859351.99	0.01111	0.00225037	2.55E-07	1.00E-07	4.05E-05	4.60E-09	1.81E-09
495211.06, 3859351.99	0.01114	0.00225645	2.56E-07	1.01E-07	4.06E-05	4.61E-09	1.81E-09
495261.06, 3859351.99	0.01121	0.00227063	2.58E-07	1.01E-07	4.09E-05	4.64E-09	1.82E-09
495311.06, 3859351.99	0.01121	0.00227063	2.58E-07	1.01E-07	4.09E-05	4.64E-09	1.82E-09
495361.06, 3859351.99	0.01124	0.0022767	2.58E-07	1.01E-07	4.10E-05	4.65E-09	1.83E-09
495411.06, 3859351.99	0.0113	0.00228886	2.60E-07	1.02E-07	4.12E-05	4.67E-09	1.84E-09
495461.06, 3859351.99	0.01137	0.00230303	2.61E-07	1.03E-07	4.15E-05	4.70E-09	1.85E-09
495511.06, 3859351.99	0.01134	0.00229696	2.61E-07	1.02E-07	4.14E-05	4.69E-09	1.84E-09
495561.06, 3859351.99	0.01134	0.00229696	2.61E-07	1.02E-07	4.14E-05	4.69E-09	1.84E-09
495611.06, 3859351.99	0.01137	0.00230303	2.61E-07	1.03E-07	4.15E-05	4.70E-09	1.85E-09
495661.06, 3859351.99	0.01134	0.00229696	2.61E-07	1.02E-07	4.14E-05	4.69E-09	1.84E-09
494311.06, 3859401.99	0.01196	0.00242254	2.75E-07	1.08E-07	4.36E-05	4.95E-09	1.94E-09
494361.06, 3859401.99	0.0119	0.00241039	2.73E-07	1.07E-07	4.34E-05	4.92E-09	1.93E-09
494411.06, 3859401.99	0.01184	0.00239823	2.72E-07	1.07E-07	4.32E-05	4.90E-09	1.92E-09
494461.06, 3859401.99	0.01185	0.00240026	2.72E-07	1.07E-07	4.32E-05	4.90E-09	1.93E-09
494511.06, 3859401.99	0.0119	0.00241039	2.73E-07	1.07E-07	4.34E-05	4.92E-09	1.93E-09
494561.06, 3859401.99	0.01192	0.00241444	2.74E-07	1.08E-07	4.35E-05	4.93E-09	1.94E-09
494611.06, 3859401.99	0.0119	0.00241039	2.73E-07	1.07E-07	4.34E-05	4.92E-09	1.93E-09
494661.06, 3859401.99	0.01193	0.00241646	2.74E-07	1.08E-07	4.35E-05	4.93E-09	1.94E-09
494711.06, 3859401.99	0.01194	0.00241849	2.74E-07	1.08E-07	4.35E-05	4.94E-09	1.94E-09
494761.06, 3859401.99	0.0116	0.00234962	2.67E-07	1.05E-07	4.23E-05	4.80E-09	1.88E-09
494811.06, 3859401.99	0.01179	0.00238811	2.71E-07	1.06E-07	4.30E-05	4.88E-09	1.92E-09
494861.06, 3859401.99	0.01169	0.00236785	2.69E-07	1.06E-07	4.26E-05	4.84E-09	1.90E-09
494911.06, 3859401.99	0.01156	0.00234152	2.66E-07	1.04E-07	4.22E-05	4.78E-09	1.88E-09
494961.06, 3859401.99	0.01168	0.00236583	2.68E-07	1.05E-07	4.26E-05	4.83E-09	1.90E-09
495011.06, 3859401.99	0.01173	0.00237595	2.69E-07	1.06E-07	4.28E-05	4.85E-09	1.91E-09
495061.06, 3859401.99	0.01165	0.00235975	2.68E-07	1.05E-07	4.25E-05	4.82E-09	1.89E-09
495111.06, 3859401.99	0.01167	0.0023638	2.68E-07	1.05E-07	4.26E-05	4.83E-09	1.90E-09
495161.06, 3859401.99	0.01185	0.00240026	2.72E-07	1.07E-07	4.32E-05	4.90E-09	1.93E-09
495211.06, 3859401.99	0.01193	0.00241646	2.74E-07	1.08E-07	4.35E-05	4.93E-09	1.94E-09
495261.06, 3859401.99	0.01197	0.00242457	2.75E-07	1.08E-07	4.37E-05	4.95E-09	1.95E-09
495311.06, 3859401.99	0.012	0.00243064	2.76E-07	1.08E-07	4.38E-05	4.96E-09	1.95E-09
495361.06, 3859401.99	0.01209	0.00244887	2.78E-07	1.09E-07	4.41E-05	5.00E-09	1.96E-09
495411.06, 3859401.99	0.01214	0.002459	2.79E-07	1.10E-07	4.43E-05	5.02E-09	1.97E-09
495461.06, 3859401.99	0.01215	0.00246103	2.79E-07	1.10E-07	4.43E-05	5.03E-09	1.97E-09
495511.06, 3859401.99	0.01213	0.00245698	2.79E-07	1.09E-07	4.42E-05	5.02E-09	1.97E-09
495561.06, 3859401.99	0.01208	0.00244685	2.78E-07	1.09E-07	4.41E-05	5.00E-09	1.96E-09
495611.06, 3859401.99	0.01209	0.00244887	2.78E-07	1.09E-07	4.41E-05	5.00E-09	1.96E-09
495661.06, 3859401.99	0.01212	0.00245495	2.78E-07	1.09E-07	4.42E-05	5.01E-09	1.97E-09
494311.06, 3859451.99	0.0127	0.00257243	2.92E-07	1.15E-07	4.63E-05	5.25E-09	2.06E-09
494361.06, 3859451.99	0.01266	0.00256433	2.91E-07	1.14E-07	4.62E-05	5.24E-09	2.06E-09
494411.06, 3859451.99	0.01253	0.002538	2.88E-07	1.13E-07	4.57E-05	5.18E-09	2.04E-09
494461.06, 3859451.99	0.01262	0.00255623	2.90E-07	1.14E-07	4.60E-05	5.22E-09	2.05E-09
494511.06, 3859451.99	0.01262	0.00255623	2.90E-07	1.14E-07	4.60E-05	5.22E-09	2.05E-09
494561.06, 3859451.99	0.01265	0.0025623	2.91E-07	1.14E-07	4.61E-05	5.23E-09	2.06E-09
494611.06, 3859451.99	0.01273	0.00257851	2.92E-07	1.15E-07	4.64E-05	5.27E-09	2.07E-09
494661.06, 3859451.99	0.01271	0.00257446	2.92E-07	1.15E-07	4.63E-05	5.26E-09	2.07E-09
494711.06, 3859451.99	0.01269	0.00257041	2.92E-07	1.15E-07	4.63E-05	5.25E-09	2.06E-09
494761.06, 3859451.99	0.0127	0.00257243	2.92E-07	1.15E-07	4.63E-05	5.25E-09	2.06E-09
494811.06, 3859451.99	0.01263	0.00255825	2.90E-07	1.14E-07	4.61E-05	5.22E-09	2.05E-09
494861.06, 3859451.99	0.01258	0.00254812	2.89E-07	1.14E-07	4.59E-05	5.20E-09	2.04E-09
494911.06, 3859451.99	0.01256	0.00254407	2.89E-07	1.13E-07	4.58E-05	5.20E-09	2.04E-09
494961.06, 3859451.99	0.01259	0.00255015	2.89E-07	1.14E-07	4.59E-05	5.21E-09	2.05E-09
495011.06, 3859451.99	0.01261	0.0025542	2.90E-07	1.14E-07	4.60E-05	5.22E-09	2.05E-09
495061.06, 3859451.99	0.01263	0.00255825	2.90E-07	1.14E-07	4.61E-05	5.22E-09	2.05E-09

495111.06, 3859451.99	0.01265	0.0025623	2.91E-07	1.14E-07	4.61E-05	5.23E-09	2.06E-09
495161.06, 3859451.99	0.01272	0.00257648	2.92E-07	1.15E-07	4.64E-05	5.26E-09	2.07E-09
495211.06, 3859451.99	0.01281	0.00259471	2.94E-07	1.16E-07	4.67E-05	5.30E-09	2.08E-09
495261.06, 3859451.99	0.01289	0.00261092	2.96E-07	1.16E-07	4.70E-05	5.33E-09	2.09E-09
495311.06, 3859451.99	0.01292	0.00261699	2.97E-07	1.17E-07	4.71E-05	5.34E-09	2.10E-09
495361.06, 3859451.99	0.01296	0.00262509	2.98E-07	1.17E-07	4.73E-05	5.36E-09	2.11E-09
495411.06, 3859451.99	0.01299	0.00263117	2.98E-07	1.17E-07	4.74E-05	5.37E-09	2.11E-09
495461.06, 3859451.99	0.01303	0.00263927	2.99E-07	1.18E-07	4.75E-05	5.39E-09	2.12E-09
495511.06, 3859451.99	0.01298	0.00262915	2.98E-07	1.17E-07	4.73E-05	5.37E-09	2.11E-09
495561.06, 3859451.99	0.01298	0.00262915	2.98E-07	1.17E-07	4.73E-05	5.37E-09	2.11E-09
495611.06, 3859451.99	0.01298	0.00262915	2.98E-07	1.17E-07	4.73E-05	5.37E-09	2.11E-09
495661.06, 3859451.99	0.01299	0.00263117	2.98E-07	1.17E-07	4.74E-05	5.37E-09	2.11E-09
494311.06, 3859501.99	0.01359	0.0027527	3.12E-07	1.23E-07	4.96E-05	5.62E-09	2.21E-09
494361.06, 3859501.99	0.01352	0.00273852	3.11E-07	1.22E-07	4.93E-05	5.59E-09	2.20E-09
494411.06, 3859501.99	0.01329	0.00269194	3.05E-07	1.20E-07	4.85E-05	5.50E-09	2.16E-09
494461.06, 3859501.99	0.01351	0.0027365	3.10E-07	1.22E-07	4.93E-05	5.59E-09	2.20E-09
494511.06, 3859501.99	0.01348	0.00273042	3.10E-07	1.22E-07	4.92E-05	5.58E-09	2.19E-09
494561.06, 3859501.99	0.01347	0.0027284	3.09E-07	1.22E-07	4.91E-05	5.57E-09	2.19E-09
494611.06, 3859501.99	0.01367	0.00276891	3.14E-07	1.23E-07	4.98E-05	5.65E-09	2.22E-09
494661.06, 3859501.99	0.01361	0.00275675	3.13E-07	1.23E-07	4.96E-05	5.63E-09	2.21E-09
494711.06, 3859501.99	0.01351	0.0027365	3.10E-07	1.22E-07	4.93E-05	5.59E-09	2.20E-09
494761.06, 3859501.99	0.01364	0.00276283	3.13E-07	1.23E-07	4.97E-05	5.64E-09	2.22E-09
494811.06, 3859501.99	0.01346	0.00272637	3.09E-07	1.21E-07	4.91E-05	5.57E-09	2.19E-09
494861.06, 3859501.99	0.01347	0.0027284	3.09E-07	1.22E-07	4.91E-05	5.57E-09	2.19E-09
494911.06, 3859501.99	0.01352	0.00273852	3.11E-07	1.22E-07	4.93E-05	5.59E-09	2.20E-09
494961.06, 3859501.99	0.01348	0.00273042	3.10E-07	1.22E-07	4.92E-05	5.58E-09	2.19E-09
495011.06, 3859501.99	0.01354	0.00274258	3.11E-07	1.22E-07	4.94E-05	5.60E-09	2.20E-09
495061.06, 3859501.99	0.0136	0.00275473	3.12E-07	1.23E-07	4.96E-05	5.63E-09	2.21E-09
495111.06, 3859501.99	0.01358	0.00275068	3.12E-07	1.23E-07	4.95E-05	5.62E-09	2.21E-09
495161.06, 3859501.99	0.01366	0.00276688	3.14E-07	1.23E-07	4.98E-05	5.65E-09	2.22E-09
495211.06, 3859501.99	0.01376	0.00278714	3.16E-07	1.24E-07	5.02E-05	5.69E-09	2.24E-09
495261.06, 3859501.99	0.01382	0.00279929	3.18E-07	1.25E-07	5.04E-05	5.72E-09	2.25E-09
495311.06, 3859501.99	0.0139	0.0028155	3.19E-07	1.25E-07	5.07E-05	5.75E-09	2.26E-09
495361.06, 3859501.99	0.01394	0.0028236	3.20E-07	1.26E-07	5.08E-05	5.77E-09	2.27E-09
495411.06, 3859501.99	0.01399	0.00283372	3.21E-07	1.26E-07	5.10E-05	5.79E-09	2.27E-09
495461.06, 3859501.99	0.01401	0.00283778	3.22E-07	1.26E-07	5.11E-05	5.79E-09	2.28E-09
495511.06, 3859501.99	0.01374	0.00278309	3.16E-07	1.24E-07	5.01E-05	5.68E-09	2.23E-09
495561.06, 3859501.99	0.01397	0.00282967	3.21E-07	1.26E-07	5.09E-05	5.78E-09	2.27E-09
495611.06, 3859501.99	0.01396	0.00282765	3.21E-07	1.26E-07	5.09E-05	5.77E-09	2.27E-09
495661.06, 3859501.99	0.01394	0.0028236	3.20E-07	1.26E-07	5.08E-05	5.77E-09	2.27E-09
494311.06, 3859551.99	0.01454	0.00294513	3.34E-07	1.31E-07	5.30E-05	6.01E-09	2.36E-09
494361.06, 3859551.99	0.01395	0.00282562	3.20E-07	1.26E-07	5.09E-05	5.77E-09	2.27E-09
494411.06, 3859551.99	0.01395	0.00282562	3.20E-07	1.26E-07	5.09E-05	5.77E-09	2.27E-09
494461.06, 3859551.99	0.01445	0.0029269	3.32E-07	1.30E-07	5.27E-05	5.98E-09	2.35E-09
494511.06, 3859551.99	0.01442	0.00292082	3.31E-07	1.30E-07	5.26E-05	5.96E-09	2.34E-09
494561.06, 3859551.99	0.01444	0.00292487	3.32E-07	1.30E-07	5.27E-05	5.97E-09	2.35E-09
494611.06, 3859551.99	0.01455	0.00294715	3.34E-07	1.31E-07	5.31E-05	6.02E-09	2.36E-09
494661.06, 3859551.99	0.01461	0.00295931	3.36E-07	1.32E-07	5.33E-05	6.04E-09	2.37E-09
494711.06, 3859551.99	0.01433	0.00290259	3.29E-07	1.29E-07	5.23E-05	5.93E-09	2.33E-09
494761.06, 3859551.99	0.01463	0.00296336	3.36E-07	1.32E-07	5.34E-05	6.05E-09	2.38E-09
494811.06, 3859551.99	0.01447	0.00293095	3.32E-07	1.31E-07	5.28E-05	5.99E-09	2.35E-09
494861.06, 3859551.99	0.0145	0.00293703	3.33E-07	1.31E-07	5.29E-05	6.00E-09	2.36E-09
494911.06, 3859551.99	0.01447	0.00293095	3.32E-07	1.31E-07	5.28E-05	5.99E-09	2.35E-09
494961.06, 3859551.99	0.01453	0.0029431	3.34E-07	1.31E-07	5.30E-05	6.01E-09	2.36E-09
495011.06, 3859551.99	0.01463	0.00296336	3.36E-07	1.32E-07	5.34E-05	6.05E-09	2.38E-09
495061.06, 3859551.99	0.01466	0.00296944	3.37E-07	1.32E-07	5.35E-05	6.06E-09	2.38E-09
495111.06, 3859551.99	0.01466	0.00296944	3.37E-07	1.32E-07	5.35E-05	6.06E-09	2.38E-09
495161.06, 3859551.99	0.01476	0.00298969	3.39E-07	1.33E-07	5.38E-05	6.11E-09	2.40E-09
495211.06, 3859551.99	0.01488	0.003014	3.42E-07	1.34E-07	5.43E-05	6.15E-09	2.42E-09
495261.06, 3859551.99	0.01489	0.00301602	3.42E-07	1.34E-07	5.43E-05	6.16E-09	2.42E-09
495311.06, 3859551.99	0.01493	0.00302413	3.43E-07	1.35E-07	5.44E-05	6.18E-09	2.43E-09

495361.06, 3859551.99	0.015	0.0030383	3.45E-07	1.35E-07	5.47E-05	6.20E-09	2.44E-09
495411.06, 3859551.99	0.01508	0.00305451	3.46E-07	1.36E-07	5.50E-05	6.24E-09	2.45E-09
495461.06, 3859551.99	0.01503	0.00304438	3.45E-07	1.36E-07	5.48E-05	6.22E-09	2.44E-09
495511.06, 3859551.99	0.01498	0.00303425	3.44E-07	1.35E-07	5.46E-05	6.20E-09	2.43E-09
495561.06, 3859551.99	0.01499	0.00303628	3.44E-07	1.35E-07	5.47E-05	6.20E-09	2.44E-09
495611.06, 3859551.99	0.01501	0.00304033	3.45E-07	1.35E-07	5.47E-05	6.21E-09	2.44E-09
495661.06, 3859551.99	0.01499	0.00303628	3.44E-07	1.35E-07	5.47E-05	6.20E-09	2.44E-09
494311.06, 3859601.99	0.01569	0.00317807	3.60E-07	1.42E-07	5.72E-05	6.49E-09	2.55E-09
494361.06, 3859601.99	0.01508	0.00305451	3.46E-07	1.36E-07	5.50E-05	6.24E-09	2.45E-09
494411.06, 3859601.99	0.01519	0.00307679	3.49E-07	1.37E-07	5.54E-05	6.28E-09	2.47E-09
494461.06, 3859601.99	0.01552	0.00314363	3.57E-07	1.40E-07	5.66E-05	6.42E-09	2.52E-09
494511.06, 3859601.99	0.01536	0.00311122	3.53E-07	1.39E-07	5.60E-05	6.35E-09	2.50E-09
494561.06, 3859601.99	0.01559	0.00315781	3.58E-07	1.41E-07	5.69E-05	6.45E-09	2.53E-09
494611.06, 3859601.99	0.01573	0.00318617	3.61E-07	1.42E-07	5.74E-05	6.51E-09	2.56E-09
494661.06, 3859601.99	0.01529	0.00309704	3.51E-07	1.38E-07	5.58E-05	6.32E-09	2.48E-09
494711.06, 3859601.99	0.0154	0.00311933	3.54E-07	1.39E-07	5.62E-05	6.37E-09	2.50E-09
494761.06, 3859601.99	0.01584	0.00320845	3.64E-07	1.43E-07	5.78E-05	6.55E-09	2.57E-09
494811.06, 3859601.99	0.01564	0.00316794	3.59E-07	1.41E-07	5.70E-05	6.47E-09	2.54E-09
494861.06, 3859601.99	0.01568	0.00317604	3.60E-07	1.42E-07	5.72E-05	6.49E-09	2.55E-09
494911.06, 3859601.99	0.01557	0.00315376	3.58E-07	1.41E-07	5.68E-05	6.44E-09	2.53E-09
494961.06, 3859601.99	0.0158	0.00320035	3.63E-07	1.43E-07	5.76E-05	6.54E-09	2.57E-09
495011.06, 3859601.99	0.01567	0.00317401	3.60E-07	1.41E-07	5.71E-05	6.48E-09	2.55E-09
495061.06, 3859601.99	0.01584	0.00320845	3.64E-07	1.43E-07	5.78E-05	6.55E-09	2.57E-09
495111.06, 3859601.99	0.01581	0.00320237	3.63E-07	1.43E-07	5.77E-05	6.54E-09	2.57E-09
495161.06, 3859601.99	0.01594	0.0032287	3.66E-07	1.44E-07	5.81E-05	6.59E-09	2.59E-09
495211.06, 3859601.99	0.016	0.00324086	3.68E-07	1.44E-07	5.83E-05	6.62E-09	2.60E-09
495261.06, 3859601.99	0.01609	0.00325909	3.70E-07	1.45E-07	5.87E-05	6.66E-09	2.61E-09
495311.06, 3859601.99	0.01618	0.00327732	3.72E-07	1.46E-07	5.90E-05	6.69E-09	2.63E-09
495361.06, 3859601.99	0.01622	0.00328542	3.73E-07	1.46E-07	5.91E-05	6.71E-09	2.64E-09
495411.06, 3859601.99	0.0163	0.00330162	3.74E-07	1.47E-07	5.94E-05	6.74E-09	2.65E-09
495461.06, 3859601.99	0.01619	0.00327934	3.72E-07	1.46E-07	5.90E-05	6.70E-09	2.63E-09
495511.06, 3859601.99	0.0161	0.00326111	3.70E-07	1.45E-07	5.87E-05	6.66E-09	2.62E-09
495561.06, 3859601.99	0.01621	0.00328339	3.72E-07	1.46E-07	5.91E-05	6.70E-09	2.63E-09
495611.06, 3859601.99	0.01609	0.00325909	3.70E-07	1.45E-07	5.87E-05	6.66E-09	2.61E-09
495661.06, 3859601.99	0.01616	0.00327327	3.71E-07	1.46E-07	5.89E-05	6.68E-09	2.63E-09
494311.06, 3859651.99	0.01673	0.00338872	3.84E-07	1.51E-07	6.10E-05	6.92E-09	2.72E-09
494361.06, 3859651.99	0.01632	0.00330567	3.75E-07	1.47E-07	5.95E-05	6.75E-09	2.65E-09
494411.06, 3859651.99	0.0164	0.00332188	3.77E-07	1.48E-07	5.98E-05	6.78E-09	2.66E-09
494461.06, 3859651.99	0.01676	0.0033948	3.85E-07	1.51E-07	6.11E-05	6.93E-09	2.72E-09
494511.06, 3859651.99	0.01677	0.00339682	3.85E-07	1.51E-07	6.12E-05	6.94E-09	2.73E-09
494561.06, 3859651.99	0.01688	0.0034191	3.88E-07	1.52E-07	6.16E-05	6.98E-09	2.74E-09
494611.06, 3859651.99	0.01697	0.00343733	3.90E-07	1.53E-07	6.19E-05	7.02E-09	2.76E-09
494661.06, 3859651.99	0.01628	0.00329757	3.74E-07	1.47E-07	5.94E-05	6.73E-09	2.65E-09
494711.06, 3859651.99	0.01643	0.00332796	3.77E-07	1.48E-07	5.99E-05	6.80E-09	2.67E-09
494761.06, 3859651.99	0.01698	0.00343936	3.90E-07	1.53E-07	6.19E-05	7.02E-09	2.76E-09
494811.06, 3859651.99	0.01691	0.00342518	3.89E-07	1.53E-07	6.17E-05	6.99E-09	2.75E-09
494861.06, 3859651.99	0.01701	0.00344544	3.91E-07	1.54E-07	6.20E-05	7.04E-09	2.76E-09
494911.06, 3859651.99	0.017	0.00344341	3.91E-07	1.53E-07	6.20E-05	7.03E-09	2.76E-09
494961.06, 3859651.99	0.01706	0.00345556	3.92E-07	1.54E-07	6.22E-05	7.06E-09	2.77E-09
495011.06, 3859651.99	0.01708	0.00345962	3.92E-07	1.54E-07	6.23E-05	7.06E-09	2.78E-09
495061.06, 3859651.99	0.0172	0.00348392	3.95E-07	1.55E-07	6.27E-05	7.11E-09	2.79E-09
495111.06, 3859651.99	0.0172	0.00348392	3.95E-07	1.55E-07	6.27E-05	7.11E-09	2.79E-09
495161.06, 3859651.99	0.01727	0.0034981	3.97E-07	1.56E-07	6.30E-05	7.14E-09	2.81E-09
495211.06, 3859651.99	0.01738	0.00352038	3.99E-07	1.57E-07	6.34E-05	7.19E-09	2.82E-09
495261.06, 3859651.99	0.01742	0.00352848	4.00E-07	1.57E-07	6.35E-05	7.21E-09	2.83E-09
495311.06, 3859651.99	0.01749	0.00354266	4.02E-07	1.58E-07	6.38E-05	7.23E-09	2.84E-09
495361.06, 3859651.99	0.01757	0.00355887	4.04E-07	1.59E-07	6.41E-05	7.27E-09	2.86E-09
495411.06, 3859651.99	0.0176	0.00356494	4.04E-07	1.59E-07	6.42E-05	7.28E-09	2.86E-09
495461.06, 3859651.99	0.01748	0.00354064	4.02E-07	1.58E-07	6.37E-05	7.23E-09	2.84E-09
495511.06, 3859651.99	0.01741	0.00352646	4.00E-07	1.57E-07	6.35E-05	7.20E-09	2.83E-09
495561.06, 3859651.99	0.01746	0.00353659	4.01E-07	1.58E-07	6.37E-05	7.22E-09	2.84E-09

495611.06, 3859651.99	0.01746	0.00353659	4.01E-07	1.58E-07	6.37E-05	7.22E-09	2.84E-09
495661.06, 3859651.99	0.01745	0.00353456	4.01E-07	1.57E-07	6.36E-05	7.22E-09	2.84E-09
494311.06, 3859701.99	0.01709	0.00346164	3.93E-07	1.54E-07	6.23E-05	7.07E-09	2.78E-09
494361.06, 3859701.99	0.01739	0.00352241	4.00E-07	1.57E-07	6.34E-05	7.19E-09	2.83E-09
494411.06, 3859701.99	0.01761	0.00356697	4.05E-07	1.59E-07	6.42E-05	7.28E-09	2.86E-09
494461.06, 3859701.99	0.01813	0.0036723	4.17E-07	1.64E-07	6.61E-05	7.50E-09	2.95E-09
494511.06, 3859701.99	0.01819	0.00368445	4.18E-07	1.64E-07	6.63E-05	7.52E-09	2.96E-09
494561.06, 3859701.99	0.01833	0.00371281	4.21E-07	1.65E-07	6.68E-05	7.58E-09	2.98E-09
494611.06, 3859701.99	0.01846	0.00373914	4.24E-07	1.67E-07	6.73E-05	7.64E-09	3.00E-09
494661.06, 3859701.99	0.01801	0.00364799	4.14E-07	1.63E-07	6.57E-05	7.45E-09	2.93E-09
494711.06, 3859701.99	0.01829	0.00370471	4.20E-07	1.65E-07	6.67E-05	7.57E-09	2.97E-09
494761.06, 3859701.99	0.01828	0.00370268	4.20E-07	1.65E-07	6.67E-05	7.56E-09	2.97E-09
494811.06, 3859701.99	0.01825	0.0036966	4.19E-07	1.65E-07	6.66E-05	7.55E-09	2.97E-09
494861.06, 3859701.99	0.01851	0.00374927	4.25E-07	1.67E-07	6.75E-05	7.66E-09	3.01E-09
494911.06, 3859701.99	0.0185	0.00374724	4.25E-07	1.67E-07	6.75E-05	7.65E-09	3.01E-09
494961.06, 3859701.99	0.01849	0.00374522	4.25E-07	1.67E-07	6.74E-05	7.65E-09	3.00E-09
495011.06, 3859701.99	0.01862	0.00377155	4.28E-07	1.68E-07	6.79E-05	7.70E-09	3.03E-09
495061.06, 3859701.99	0.01868	0.0037837	4.29E-07	1.69E-07	6.81E-05	7.73E-09	3.04E-09
495111.06, 3859701.99	0.01873	0.00379383	4.30E-07	1.69E-07	6.83E-05	7.75E-09	3.04E-09
495161.06, 3859701.99	0.01875	0.00379788	4.31E-07	1.69E-07	6.84E-05	7.76E-09	3.05E-09
495211.06, 3859701.99	0.01875	0.00379788	4.31E-07	1.69E-07	6.84E-05	7.76E-09	3.05E-09
495261.06, 3859701.99	0.01895	0.00383839	4.35E-07	1.71E-07	6.91E-05	7.84E-09	3.08E-09
495311.06, 3859701.99	0.01895	0.00383839	4.35E-07	1.71E-07	6.91E-05	7.84E-09	3.08E-09
495361.06, 3859701.99	0.01897	0.00384244	4.36E-07	1.71E-07	6.92E-05	7.85E-09	3.08E-09
495411.06, 3859701.99	0.0189	0.00382826	4.34E-07	1.71E-07	6.89E-05	7.82E-09	3.07E-09
495461.06, 3859701.99	0.01889	0.00382624	4.34E-07	1.70E-07	6.89E-05	7.81E-09	3.07E-09
495511.06, 3859701.99	0.01868	0.0037837	4.29E-07	1.69E-07	6.81E-05	7.73E-09	3.04E-09
495561.06, 3859701.99	0.01889	0.00382624	4.34E-07	1.70E-07	6.89E-05	7.81E-09	3.07E-09
495611.06, 3859701.99	0.0189	0.00382826	4.34E-07	1.71E-07	6.89E-05	7.82E-09	3.07E-09
495661.06, 3859701.99	0.0189	0.00382826	4.34E-07	1.71E-07	6.89E-05	7.82E-09	3.07E-09
494311.06, 3859751.99	0.01901	0.00385054	4.37E-07	1.72E-07	6.93E-05	7.86E-09	3.09E-09
494361.06, 3859751.99	0.01908	0.00386472	4.38E-07	1.72E-07	6.96E-05	7.89E-09	3.10E-09
494411.06, 3859751.99	0.01909	0.00386675	4.39E-07	1.72E-07	6.96E-05	7.90E-09	3.10E-09
494461.06, 3859751.99	0.01958	0.003966	4.50E-07	1.77E-07	7.14E-05	8.10E-09	3.18E-09
494511.06, 3859751.99	0.0199	0.00403082	4.57E-07	1.80E-07	7.26E-05	8.23E-09	3.23E-09
494561.06, 3859751.99	0.01995	0.00404094	4.58E-07	1.80E-07	7.28E-05	8.25E-09	3.24E-09
494611.06, 3859751.99	0.0199	0.00403082	4.57E-07	1.80E-07	7.26E-05	8.23E-09	3.23E-09
494661.06, 3859751.99	0.01909	0.00386675	4.39E-07	1.72E-07	6.96E-05	7.90E-09	3.10E-09
494711.06, 3859751.99	0.01994	0.00403892	4.58E-07	1.80E-07	7.27E-05	8.25E-09	3.24E-09
494761.06, 3859751.99	0.02012	0.00407538	4.62E-07	1.82E-07	7.34E-05	8.32E-09	3.27E-09
494811.06, 3859751.99	0.02011	0.00407335	4.62E-07	1.82E-07	7.33E-05	8.32E-09	3.27E-09
494861.06, 3859751.99	0.0202	0.00409158	4.64E-07	1.82E-07	7.37E-05	8.36E-09	3.28E-09
494911.06, 3859751.99	0.02026	0.00410374	4.65E-07	1.83E-07	7.39E-05	8.38E-09	3.29E-09
494961.06, 3859751.99	0.02032	0.00411589	4.67E-07	1.83E-07	7.41E-05	8.40E-09	3.30E-09
495011.06, 3859751.99	0.02035	0.00412197	4.68E-07	1.84E-07	7.42E-05	8.42E-09	3.31E-09
495061.06, 3859751.99	0.0205	0.00415235	4.71E-07	1.85E-07	7.48E-05	8.48E-09	3.33E-09
495111.06, 3859751.99	0.02054	0.00416045	4.72E-07	1.85E-07	7.49E-05	8.50E-09	3.34E-09
495161.06, 3859751.99	0.02054	0.00416045	4.72E-07	1.85E-07	7.49E-05	8.50E-09	3.34E-09
495211.06, 3859751.99	0.02052	0.0041564	4.71E-07	1.85E-07	7.48E-05	8.49E-09	3.33E-09
495261.06, 3859751.99	0.02062	0.00417666	4.74E-07	1.86E-07	7.52E-05	8.53E-09	3.35E-09
495311.06, 3859751.99	0.02063	0.00417868	4.74E-07	1.86E-07	7.52E-05	8.53E-09	3.35E-09
495361.06, 3859751.99	0.02065	0.00418273	4.74E-07	1.86E-07	7.53E-05	8.54E-09	3.36E-09
495411.06, 3859751.99	0.02067	0.00418678	4.75E-07	1.87E-07	7.54E-05	8.55E-09	3.36E-09
495461.06, 3859751.99	0.02055	0.00416248	4.72E-07	1.85E-07	7.49E-05	8.50E-09	3.34E-09
495511.06, 3859751.99	0.02043	0.00413817	4.69E-07	1.84E-07	7.45E-05	8.45E-09	3.32E-09
495561.06, 3859751.99	0.02044	0.0041402	4.70E-07	1.84E-07	7.45E-05	8.45E-09	3.32E-09
495611.06, 3859751.99	0.02046	0.00414425	4.70E-07	1.85E-07	7.46E-05	8.46E-09	3.32E-09
495661.06, 3859751.99	0.02054	0.00416045	4.72E-07	1.85E-07	7.49E-05	8.50E-09	3.34E-09
494311.06, 3859801.99	0.02091	0.0042354	4.80E-07	1.89E-07	7.63E-05	8.65E-09	3.40E-09
494361.06, 3859801.99	0.0208	0.00421311	4.78E-07	1.88E-07	7.59E-05	8.60E-09	3.38E-09
494411.06, 3859801.99	0.02068	0.00418881	4.75E-07	1.87E-07	7.54E-05	8.55E-09	3.36E-09

494461.06, 3859801.99	0.02117	0.00428806	4.86E-07	1.91E-07	7.72E-05	8.76E-09	3.44E-09
494511.06, 3859801.99	0.02172	0.00439946	4.99E-07	1.96E-07	7.92E-05	8.98E-09	3.53E-09
494561.06, 3859801.99	0.0218	0.00441567	5.01E-07	1.97E-07	7.95E-05	9.02E-09	3.54E-09
494611.06, 3859801.99	0.02148	0.00435085	4.93E-07	1.94E-07	7.83E-05	8.88E-09	3.49E-09
494661.06, 3859801.99	0.02153	0.00436098	4.95E-07	1.94E-07	7.85E-05	8.91E-09	3.50E-09
494711.06, 3859801.99	0.02149	0.00435288	4.94E-07	1.94E-07	7.84E-05	8.89E-09	3.49E-09
494761.06, 3859801.99	0.022	0.00445618	5.05E-07	1.99E-07	8.02E-05	9.10E-09	3.57E-09
494811.06, 3859801.99	0.02203	0.00446226	5.06E-07	1.99E-07	8.03E-05	9.11E-09	3.58E-09
494861.06, 3859801.99	0.02218	0.00449264	5.10E-07	2.00E-07	8.09E-05	9.17E-09	3.60E-09
494911.06, 3859801.99	0.02211	0.00447846	5.08E-07	2.00E-07	8.06E-05	9.15E-09	3.59E-09
494961.06, 3859801.99	0.02217	0.00449061	5.09E-07	2.00E-07	8.08E-05	9.17E-09	3.60E-09
495011.06, 3859801.99	0.02221	0.00449872	5.10E-07	2.00E-07	8.10E-05	9.19E-09	3.61E-09
495061.06, 3859801.99	0.02234	0.00452505	5.13E-07	2.02E-07	8.15E-05	9.24E-09	3.63E-09
495111.06, 3859801.99	0.02232	0.004521	5.13E-07	2.01E-07	8.14E-05	9.23E-09	3.63E-09
495161.06, 3859801.99	0.02232	0.004521	5.13E-07	2.01E-07	8.14E-05	9.23E-09	3.63E-09
495211.06, 3859801.99	0.02243	0.00454328	5.15E-07	2.02E-07	8.18E-05	9.28E-09	3.64E-09
495261.06, 3859801.99	0.02241	0.00453923	5.15E-07	2.02E-07	8.17E-05	9.27E-09	3.64E-09
495311.06, 3859801.99	0.02252	0.00456151	5.17E-07	2.03E-07	8.21E-05	9.31E-09	3.66E-09
495361.06, 3859801.99	0.02251	0.00455948	5.17E-07	2.03E-07	8.21E-05	9.31E-09	3.66E-09
495411.06, 3859801.99	0.02241	0.00453923	5.15E-07	2.02E-07	8.17E-05	9.27E-09	3.64E-09
495461.06, 3859801.99	0.0224	0.0045372	5.15E-07	2.02E-07	8.17E-05	9.27E-09	3.64E-09
495511.06, 3859801.99	0.02223	0.00450277	5.11E-07	2.01E-07	8.11E-05	9.19E-09	3.61E-09
495561.06, 3859801.99	0.02228	0.00451289	5.12E-07	2.01E-07	8.12E-05	9.22E-09	3.62E-09
495611.06, 3859801.99	0.02246	0.00454935	5.16E-07	2.03E-07	8.19E-05	9.29E-09	3.65E-09
495661.06, 3859801.99	0.02235	0.00452707	5.13E-07	2.02E-07	8.15E-05	9.24E-09	3.63E-09
494311.06, 3859851.99	0.02285	0.00462835	5.25E-07	2.06E-07	8.33E-05	9.45E-09	3.71E-09
494361.06, 3859851.99	0.02284	0.00462632	5.25E-07	2.06E-07	8.33E-05	9.45E-09	3.71E-09
494411.06, 3859851.99	0.02276	0.00461012	5.23E-07	2.05E-07	8.30E-05	9.41E-09	3.70E-09
494461.06, 3859851.99	0.02286	0.00463038	5.25E-07	2.06E-07	8.34E-05	9.46E-09	3.71E-09
494511.06, 3859851.99	0.02328	0.00471545	5.35E-07	2.10E-07	8.49E-05	9.63E-09	3.78E-09
494561.06, 3859851.99	0.02379	0.00481875	5.47E-07	2.15E-07	8.68E-05	9.84E-09	3.87E-09
494611.06, 3859851.99	0.02334	0.0047276	5.36E-07	2.11E-07	8.51E-05	9.65E-09	3.79E-09
494661.06, 3859851.99	0.0237	0.00480052	5.44E-07	2.14E-07	8.64E-05	9.80E-09	3.85E-09
494711.06, 3859851.99	0.02354	0.00476811	5.41E-07	2.12E-07	8.58E-05	9.74E-09	3.83E-09
494761.06, 3859851.99	0.02406	0.00487344	5.53E-07	2.17E-07	8.77E-05	9.95E-09	3.91E-09
494811.06, 3859851.99	0.02413	0.00488762	5.54E-07	2.18E-07	8.80E-05	9.98E-09	3.92E-09
494861.06, 3859851.99	0.02435	0.00493218	5.59E-07	2.20E-07	8.88E-05	1.01E-08	3.96E-09
494911.06, 3859851.99	0.02429	0.00492003	5.58E-07	2.19E-07	8.86E-05	1.00E-08	3.95E-09
494961.06, 3859851.99	0.02435	0.00493218	5.59E-07	2.20E-07	8.88E-05	1.01E-08	3.96E-09
495011.06, 3859851.99	0.02442	0.00494636	5.61E-07	2.20E-07	8.91E-05	1.01E-08	3.97E-09
495061.06, 3859851.99	0.02457	0.00497674	5.64E-07	2.22E-07	8.96E-05	1.02E-08	3.99E-09
495111.06, 3859851.99	0.0245	0.00496256	5.63E-07	2.21E-07	8.93E-05	1.01E-08	3.98E-09
495161.06, 3859851.99	0.02452	0.00496661	5.63E-07	2.21E-07	8.94E-05	1.01E-08	3.98E-09
495211.06, 3859851.99	0.02457	0.00497674	5.64E-07	2.22E-07	8.96E-05	1.02E-08	3.99E-09
495261.06, 3859851.99	0.02458	0.00497877	5.65E-07	2.22E-07	8.96E-05	1.02E-08	3.99E-09
495311.06, 3859851.99	0.02467	0.004997	5.67E-07	2.23E-07	9.00E-05	1.02E-08	4.01E-09
495361.06, 3859851.99	0.02468	0.00499902	5.67E-07	2.23E-07	9.00E-05	1.02E-08	4.01E-09
495411.06, 3859851.99	0.02458	0.00497877	5.65E-07	2.22E-07	8.96E-05	1.02E-08	3.99E-09
495461.06, 3859851.99	0.02449	0.00496054	5.63E-07	2.21E-07	8.93E-05	1.01E-08	3.98E-09
495511.06, 3859851.99	0.02434	0.00493015	5.59E-07	2.20E-07	8.88E-05	1.01E-08	3.96E-09
495561.06, 3859851.99	0.02445	0.00495244	5.62E-07	2.21E-07	8.92E-05	1.01E-08	3.97E-09
495611.06, 3859851.99	0.02452	0.00496661	5.63E-07	2.21E-07	8.94E-05	1.01E-08	3.98E-09
495661.06, 3859851.99	0.02439	0.00494028	5.60E-07	2.20E-07	8.89E-05	1.01E-08	3.96E-09
494311.06, 3859901.99	0.02502	0.00506789	5.75E-07	2.26E-07	9.12E-05	1.03E-08	4.07E-09
494361.06, 3859901.99	0.02465	0.00499295	5.66E-07	2.22E-07	8.99E-05	1.02E-08	4.01E-09
494411.06, 3859901.99	0.02502	0.00506789	5.75E-07	2.26E-07	9.12E-05	1.03E-08	4.07E-09
494461.06, 3859901.99	0.02513	0.00509017	5.77E-07	2.27E-07	9.16E-05	1.04E-08	4.08E-09
494511.06, 3859901.99	0.02542	0.00514891	5.84E-07	2.29E-07	9.27E-05	1.05E-08	4.13E-09
494561.06, 3859901.99	0.02618	0.00530285	6.01E-07	2.36E-07	9.55E-05	1.08E-08	4.25E-09
494611.06, 3859901.99	0.02556	0.00517727	5.87E-07	2.31E-07	9.32E-05	1.06E-08	4.15E-09
494661.06, 3859901.99	0.02622	0.00531096	6.02E-07	2.37E-07	9.56E-05	1.08E-08	4.26E-09

494711.06, 3859901.99	0.02569	0.0052036	5.90E-07	2.32E-07	9.37E-05	1.06E-08	4.17E-09
494761.06, 3859901.99	0.02615	0.00529678	6.01E-07	2.36E-07	9.54E-05	1.08E-08	4.25E-09
494811.06, 3859901.99	0.02661	0.00538995	6.11E-07	2.40E-07	9.70E-05	1.10E-08	4.32E-09
494861.06, 3859901.99	0.02684	0.00543654	6.17E-07	2.42E-07	9.79E-05	1.11E-08	4.36E-09
494911.06, 3859901.99	0.02673	0.00541426	6.14E-07	2.41E-07	9.75E-05	1.11E-08	4.34E-09
494961.06, 3859901.99	0.02689	0.00544667	6.18E-07	2.43E-07	9.81E-05	1.11E-08	4.37E-09
495011.06, 3859901.99	0.02687	0.00544262	6.17E-07	2.43E-07	9.80E-05	1.11E-08	4.37E-09
495061.06, 3859901.99	0.02693	0.00545477	6.19E-07	2.43E-07	9.82E-05	1.11E-08	4.38E-09
495111.06, 3859901.99	0.02682	0.00543249	6.16E-07	2.42E-07	9.78E-05	1.11E-08	4.36E-09
495161.06, 3859901.99	0.02677	0.00542236	6.15E-07	2.42E-07	9.76E-05	1.11E-08	4.35E-09
495211.06, 3859901.99	0.02698	0.0054649	6.20E-07	2.44E-07	9.84E-05	1.12E-08	4.38E-09
495261.06, 3859901.99	0.02679	0.00542641	6.15E-07	2.42E-07	9.77E-05	1.11E-08	4.35E-09
495311.06, 3859901.99	0.02696	0.00546085	6.19E-07	2.43E-07	9.83E-05	1.12E-08	4.38E-09
495361.06, 3859901.99	0.02691	0.00545072	6.18E-07	2.43E-07	9.81E-05	1.11E-08	4.37E-09
495411.06, 3859901.99	0.02677	0.00542236	6.15E-07	2.42E-07	9.76E-05	1.11E-08	4.35E-09
495461.06, 3859901.99	0.0267	0.00540818	6.13E-07	2.41E-07	9.74E-05	1.10E-08	4.34E-09
495511.06, 3859901.99	0.02679	0.00542641	6.15E-07	2.42E-07	9.77E-05	1.11E-08	4.35E-09
495561.06, 3859901.99	0.02687	0.00544262	6.17E-07	2.43E-07	9.80E-05	1.11E-08	4.37E-09
495611.06, 3859901.99	0.02675	0.00541831	6.15E-07	2.41E-07	9.75E-05	1.11E-08	4.35E-09
495661.06, 3859901.99	0.0266	0.00538793	6.11E-07	2.40E-07	9.70E-05	1.10E-08	4.32E-09
494311.06, 3859951.99	0.02768	0.00560668	6.36E-07	2.50E-07	1.01E-04	1.14E-08	4.50E-09
494361.06, 3859951.99	0.02755	0.00558035	6.33E-07	2.49E-07	1.00E-04	1.14E-08	4.48E-09
494411.06, 3859951.99	0.02755	0.00558035	6.33E-07	2.49E-07	1.00E-04	1.14E-08	4.48E-09
494461.06, 3859951.99	0.02767	0.00560466	6.36E-07	2.50E-07	1.01E-04	1.14E-08	4.50E-09
494511.06, 3859951.99	0.02801	0.00567353	6.44E-07	2.53E-07	1.02E-04	1.16E-08	4.55E-09
494561.06, 3859951.99	0.02907	0.00588823	6.68E-07	2.62E-07	1.06E-04	1.20E-08	4.72E-09
494611.06, 3859951.99	0.02845	0.00576265	6.54E-07	2.57E-07	1.04E-04	1.18E-08	4.62E-09
494661.06, 3859951.99	0.02916	0.00590646	6.70E-07	2.63E-07	1.06E-04	1.21E-08	4.74E-09
494711.06, 3859951.99	0.02869	0.00581126	6.59E-07	2.59E-07	1.05E-04	1.19E-08	4.66E-09
494761.06, 3859951.99	0.02904	0.00588216	6.67E-07	2.62E-07	1.06E-04	1.20E-08	4.72E-09
494811.06, 3859951.99	0.02926	0.00592672	6.72E-07	2.64E-07	1.07E-04	1.21E-08	4.75E-09
494861.06, 3859951.99	0.0297	0.00601584	6.82E-07	2.68E-07	1.08E-04	1.23E-08	4.83E-09
494911.06, 3859951.99	0.02953	0.00598141	6.78E-07	2.67E-07	1.08E-04	1.22E-08	4.80E-09
494961.06, 3859951.99	0.02944	0.00596318	6.76E-07	2.66E-07	1.07E-04	1.22E-08	4.78E-09
495011.06, 3859951.99	0.02944	0.00596318	6.76E-07	2.66E-07	1.07E-04	1.22E-08	4.78E-09
495061.06, 3859951.99	0.02957	0.00598951	6.79E-07	2.67E-07	1.08E-04	1.22E-08	4.80E-09
495111.06, 3859951.99	0.02944	0.00596318	6.76E-07	2.66E-07	1.07E-04	1.22E-08	4.78E-09
495161.06, 3859951.99	0.02935	0.00594495	6.74E-07	2.65E-07	1.07E-04	1.21E-08	4.77E-09
495211.06, 3859951.99	0.02927	0.00592874	6.72E-07	2.64E-07	1.07E-04	1.21E-08	4.76E-09
495261.06, 3859951.99	0.0293	0.00593482	6.73E-07	2.64E-07	1.07E-04	1.21E-08	4.76E-09
495311.06, 3859951.99	0.02954	0.00598343	6.79E-07	2.67E-07	1.08E-04	1.22E-08	4.80E-09
495361.06, 3859951.99	0.0296	0.00599559	6.80E-07	2.67E-07	1.08E-04	1.22E-08	4.81E-09
495411.06, 3859951.99	0.02945	0.0059652	6.77E-07	2.66E-07	1.07E-04	1.22E-08	4.79E-09
495461.06, 3859951.99	0.02938	0.00595102	6.75E-07	2.65E-07	1.07E-04	1.22E-08	4.77E-09
495511.06, 3859951.99	0.02929	0.00593279	6.73E-07	2.64E-07	1.07E-04	1.21E-08	4.76E-09
495561.06, 3859951.99	0.02955	0.00598546	6.79E-07	2.67E-07	1.08E-04	1.22E-08	4.80E-09
495611.06, 3859951.99	0.0294	0.00595508	6.75E-07	2.65E-07	1.07E-04	1.22E-08	4.78E-09
495661.06, 3859951.99	0.02915	0.00590444	6.70E-07	2.63E-07	1.06E-04	1.21E-08	4.74E-09
494311.06, 3860001.99	0.03069	0.00621637	7.05E-07	2.77E-07	1.12E-04	1.27E-08	4.99E-09
494361.06, 3860001.99	0.03074	0.0062265	7.06E-07	2.77E-07	1.12E-04	1.27E-08	5.00E-09
494411.06, 3860001.99	0.03039	0.0061556	6.98E-07	2.74E-07	1.11E-04	1.26E-08	4.94E-09
494461.06, 3860001.99	0.03071	0.00622042	7.06E-07	2.77E-07	1.12E-04	1.27E-08	4.99E-09
494511.06, 3860001.99	0.03062	0.00620219	7.03E-07	2.76E-07	1.12E-04	1.27E-08	4.98E-09
494561.06, 3860001.99	0.03226	0.00653438	7.41E-07	2.91E-07	1.18E-04	1.33E-08	5.24E-09
494611.06, 3860001.99	0.03204	0.00648982	7.36E-07	2.89E-07	1.17E-04	1.33E-08	5.21E-09
494661.06, 3860001.99	0.03237	0.00655666	7.44E-07	2.92E-07	1.18E-04	1.34E-08	5.26E-09
494711.06, 3860001.99	0.03123	0.00632575	7.17E-07	2.82E-07	1.14E-04	1.29E-08	5.07E-09
494761.06, 3860001.99	0.03222	0.00652628	7.40E-07	2.91E-07	1.17E-04	1.33E-08	5.24E-09
494811.06, 3860001.99	0.0326	0.00660325	7.49E-07	2.94E-07	1.19E-04	1.35E-08	5.30E-09
494861.06, 3860001.99	0.03309	0.0067025	7.60E-07	2.99E-07	1.21E-04	1.37E-08	5.38E-09
494911.06, 3860001.99	0.03186	0.00645336	7.32E-07	2.88E-07	1.16E-04	1.32E-08	5.18E-09

494961.06, 3860001.99	0.03233	0.00654856	7.43E-07	2.92E-07	1.18E-04	1.34E-08	5.25E-09
495011.06, 3860001.99	0.03222	0.00652628	7.40E-07	2.91E-07	1.17E-04	1.33E-08	5.24E-09
495061.06, 3860001.99	0.03264	0.00661135	7.50E-07	2.95E-07	1.19E-04	1.35E-08	5.30E-09
495111.06, 3860001.99	0.03248	0.00657894	7.46E-07	2.93E-07	1.18E-04	1.34E-08	5.28E-09
495161.06, 3860001.99	0.03235	0.00655261	7.43E-07	2.92E-07	1.18E-04	1.34E-08	5.26E-09
495211.06, 3860001.99	0.0327	0.0066235	7.51E-07	2.95E-07	1.19E-04	1.35E-08	5.31E-09
495261.06, 3860001.99	0.03259	0.00660122	7.49E-07	2.94E-07	1.19E-04	1.35E-08	5.30E-09
495311.06, 3860001.99	0.03267	0.00661743	7.51E-07	2.95E-07	1.19E-04	1.35E-08	5.31E-09
495361.06, 3860001.99	0.03217	0.00651615	7.39E-07	2.90E-07	1.17E-04	1.33E-08	5.23E-09
495411.06, 3860001.99	0.03257	0.00659717	7.48E-07	2.94E-07	1.19E-04	1.35E-08	5.29E-09
495461.06, 3860001.99	0.03252	0.00658704	7.47E-07	2.94E-07	1.19E-04	1.35E-08	5.28E-09
495511.06, 3860001.99	0.03249	0.00658097	7.46E-07	2.93E-07	1.18E-04	1.34E-08	5.28E-09
495561.06, 3860001.99	0.03269	0.00662148	7.51E-07	2.95E-07	1.19E-04	1.35E-08	5.31E-09
495611.06, 3860001.99	0.03243	0.00656881	7.45E-07	2.93E-07	1.18E-04	1.34E-08	5.27E-09
495661.06, 3860001.99	0.03223	0.0065283	7.40E-07	2.91E-07	1.18E-04	1.33E-08	5.24E-09
494411.06, 3860051.99	0.03407	0.006901	7.83E-07	3.08E-07	1.24E-04	1.41E-08	5.54E-09
494461.06, 3860051.99	0.03408	0.00690303	7.83E-07	3.08E-07	1.24E-04	1.41E-08	5.54E-09
494511.06, 3860051.99	0.03417	0.00692126	7.85E-07	3.08E-07	1.25E-04	1.41E-08	5.55E-09
494561.06, 3860051.99	0.03527	0.00714407	8.10E-07	3.18E-07	1.29E-04	1.46E-08	5.73E-09
494611.06, 3860051.99	0.0358	0.00725142	8.22E-07	3.23E-07	1.31E-04	1.48E-08	5.82E-09
494661.06, 3860051.99	0.03618	0.00732839	8.31E-07	3.27E-07	1.32E-04	1.50E-08	5.88E-09
494711.06, 3860051.99	0.0355	0.00719065	8.16E-07	3.20E-07	1.29E-04	1.47E-08	5.77E-09
494761.06, 3860051.99	0.03592	0.00727573	8.25E-07	3.24E-07	1.31E-04	1.49E-08	5.84E-09
494811.06, 3860051.99	0.03676	0.00744587	8.45E-07	3.32E-07	1.34E-04	1.52E-08	5.97E-09
494861.06, 3860051.99	0.03746	0.00758766	8.61E-07	3.38E-07	1.37E-04	1.55E-08	6.09E-09
494911.06, 3860051.99	0.03695	0.00748436	8.49E-07	3.34E-07	1.35E-04	1.53E-08	6.00E-09
494961.06, 3860051.99	0.03641	0.00737498	8.37E-07	3.29E-07	1.33E-04	1.51E-08	5.92E-09
495011.06, 3860051.99	0.03613	0.00731826	8.30E-07	3.26E-07	1.32E-04	1.49E-08	5.87E-09
495061.06, 3860051.99	0.03612	0.00731624	8.30E-07	3.26E-07	1.32E-04	1.49E-08	5.87E-09
495111.06, 3860051.99	0.03575	0.00724129	8.21E-07	3.23E-07	1.30E-04	1.48E-08	5.81E-09
495161.06, 3860051.99	0.03579	0.00724939	8.22E-07	3.23E-07	1.31E-04	1.48E-08	5.82E-09
495211.06, 3860051.99	0.03565	0.00722104	8.19E-07	3.22E-07	1.30E-04	1.47E-08	5.79E-09
495261.06, 3860051.99	0.03584	0.00725952	8.23E-07	3.23E-07	1.31E-04	1.48E-08	5.82E-09
495311.06, 3860051.99	0.03613	0.00731826	8.30E-07	3.26E-07	1.32E-04	1.49E-08	5.87E-09
495361.06, 3860051.99	0.03624	0.00734054	8.33E-07	3.27E-07	1.32E-04	1.50E-08	5.89E-09
495411.06, 3860051.99	0.03624	0.00734054	8.33E-07	3.27E-07	1.32E-04	1.50E-08	5.89E-09
495461.06, 3860051.99	0.03611	0.00731421	8.30E-07	3.26E-07	1.32E-04	1.49E-08	5.87E-09
495511.06, 3860051.99	0.03624	0.00734054	8.33E-07	3.27E-07	1.32E-04	1.50E-08	5.89E-09
495561.06, 3860051.99	0.03619	0.00733041	8.31E-07	3.27E-07	1.32E-04	1.50E-08	5.88E-09
495611.06, 3860051.99	0.03601	0.00729396	8.27E-07	3.25E-07	1.31E-04	1.49E-08	5.85E-09
495661.06, 3860051.99	0.03562	0.00721496	8.18E-07	3.21E-07	1.30E-04	1.47E-08	5.79E-09
494411.06, 3860101.99	0.03725	0.00754512	8.56E-07	3.36E-07	1.36E-04	1.54E-08	6.05E-09
494461.06, 3860101.99	0.03831	0.00775983	8.80E-07	3.46E-07	1.40E-04	1.58E-08	6.23E-09
494511.06, 3860101.99	0.03773	0.00764235	8.67E-07	3.41E-07	1.38E-04	1.56E-08	6.13E-09
494561.06, 3860101.99	0.03834	0.0077659	8.81E-07	3.46E-07	1.40E-04	1.59E-08	6.23E-09
494611.06, 3860101.99	0.03966	0.00803328	9.11E-07	3.58E-07	1.45E-04	1.64E-08	6.44E-09
494661.06, 3860101.99	0.04028	0.00815886	9.25E-07	3.64E-07	1.47E-04	1.67E-08	6.55E-09
494711.06, 3860101.99	0.03968	0.00803733	9.12E-07	3.58E-07	1.45E-04	1.64E-08	6.45E-09
494761.06, 3860101.99	0.04011	0.00812442	9.22E-07	3.62E-07	1.46E-04	1.66E-08	6.52E-09
494811.06, 3860101.99	0.0406	0.00822368	9.33E-07	3.66E-07	1.48E-04	1.68E-08	6.60E-09
494861.06, 3860101.99	0.0413	0.00836546	9.49E-07	3.73E-07	1.51E-04	1.71E-08	6.71E-09
494911.06, 3860101.99	0.04022	0.00814671	9.24E-07	3.63E-07	1.47E-04	1.66E-08	6.54E-09
494961.06, 3860101.99	0.04045	0.00819329	9.29E-07	3.65E-07	1.48E-04	1.67E-08	6.57E-09
495011.06, 3860101.99	0.04013	0.00812848	9.22E-07	3.62E-07	1.46E-04	1.66E-08	6.52E-09
495061.06, 3860101.99	0.03994	0.00808999	9.18E-07	3.60E-07	1.46E-04	1.65E-08	6.49E-09
495111.06, 3860101.99	0.03943	0.00798669	9.06E-07	3.56E-07	1.44E-04	1.63E-08	6.41E-09
495161.06, 3860101.99	0.03977	0.00805556	9.14E-07	3.59E-07	1.45E-04	1.64E-08	6.46E-09
495211.06, 3860101.99	0.03981	0.00806366	9.15E-07	3.59E-07	1.45E-04	1.65E-08	6.47E-09
495261.06, 3860101.99	0.0398	0.00806163	9.14E-07	3.59E-07	1.45E-04	1.65E-08	6.47E-09
495311.06, 3860101.99	0.03994	0.00808999	9.18E-07	3.60E-07	1.46E-04	1.65E-08	6.49E-09
495361.06, 3860101.99	0.04033	0.00816899	9.27E-07	3.64E-07	1.47E-04	1.67E-08	6.55E-09

495411.06, 3860101.99	0.04026	0.00815481	9.25E-07	3.63E-07	1.47E-04	1.67E-08	6.54E-09
495461.06, 3860101.99	0.03972	0.00804543	9.13E-07	3.59E-07	1.45E-04	1.64E-08	6.45E-09
495511.06, 3860101.99	0.04004	0.00811025	9.20E-07	3.61E-07	1.46E-04	1.66E-08	6.51E-09
495561.06, 3860101.99	0.04032	0.00816696	9.26E-07	3.64E-07	1.47E-04	1.67E-08	6.55E-09
495611.06, 3860101.99	0.03976	0.00805353	9.13E-07	3.59E-07	1.45E-04	1.64E-08	6.46E-09
495661.06, 3860101.99	0.03974	0.00804948	9.13E-07	3.59E-07	1.45E-04	1.64E-08	6.46E-09
494861.06, 3860151.99	0.04659	0.00943697	1.07E-06	4.21E-07	1.70E-04	1.93E-08	7.57E-09
494911.06, 3860151.99	0.04557	0.00923037	1.05E-06	4.11E-07	1.66E-04	1.88E-08	7.40E-09
494961.06, 3860151.99	0.04531	0.0091777	1.04E-06	4.09E-07	1.65E-04	1.87E-08	7.36E-09
495011.06, 3860151.99	0.0449	0.00909466	1.03E-06	4.05E-07	1.64E-04	1.86E-08	7.30E-09
495061.06, 3860151.99	0.04455	0.00902376	1.02E-06	4.02E-07	1.62E-04	1.84E-08	7.24E-09
495111.06, 3860151.99	0.04455	0.00902376	1.02E-06	4.02E-07	1.62E-04	1.84E-08	7.24E-09
495161.06, 3860151.99	0.04467	0.00904807	1.03E-06	4.03E-07	1.63E-04	1.85E-08	7.26E-09
495211.06, 3860151.99	0.04456	0.00902579	1.02E-06	4.02E-07	1.62E-04	1.84E-08	7.24E-09
495261.06, 3860151.99	0.04474	0.00906225	1.03E-06	4.04E-07	1.63E-04	1.85E-08	7.27E-09
495311.06, 3860151.99	0.04486	0.00908655	1.03E-06	4.05E-07	1.64E-04	1.86E-08	7.29E-09
495361.06, 3860151.99	0.04506	0.00912707	1.04E-06	4.07E-07	1.64E-04	1.86E-08	7.32E-09
495411.06, 3860151.99	0.04501	0.00911694	1.03E-06	4.06E-07	1.64E-04	1.86E-08	7.31E-09
495461.06, 3860151.99	0.04497	0.00910884	1.03E-06	4.06E-07	1.64E-04	1.86E-08	7.31E-09
495511.06, 3860151.99	0.04466	0.00904604	1.03E-06	4.03E-07	1.63E-04	1.85E-08	7.26E-09
495561.06, 3860151.99	0.04477	0.00906832	1.03E-06	4.04E-07	1.63E-04	1.85E-08	7.27E-09
495611.06, 3860151.99	0.04452	0.00901769	1.02E-06	4.02E-07	1.62E-04	1.84E-08	7.23E-09
495661.06, 3860151.99	0.04415	0.00894274	1.01E-06	3.98E-07	1.61E-04	1.83E-08	7.17E-09
495718.25, 3859442.96	0.01283	0.00259876	2.95E-07	1.16E-07	4.68E-05	5.31E-09	2.08E-09
495818.25, 3859442.96	0.01286	0.00260484	2.95E-07	1.16E-07	4.69E-05	5.32E-09	2.09E-09
495918.25, 3859442.96	0.01296	0.00262509	2.98E-07	1.17E-07	4.73E-05	5.36E-09	2.11E-09
496018.25, 3859442.96	0.01311	0.00265548	3.01E-07	1.18E-07	4.78E-05	5.42E-09	2.13E-09
496118.25, 3859442.96	0.01347	0.0027284	3.09E-07	1.22E-07	4.91E-05	5.57E-09	2.19E-09
496218.25, 3859442.96	0.01385	0.00280537	3.18E-07	1.25E-07	5.05E-05	5.73E-09	2.25E-09
496318.25, 3859442.96	0.01411	0.00285803	3.24E-07	1.27E-07	5.15E-05	5.84E-09	2.29E-09
496418.25, 3859442.96	0.0144	0.00291677	3.31E-07	1.30E-07	5.25E-05	5.96E-09	2.34E-09
495718.25, 3859542.96	0.01481	0.00299982	3.40E-07	1.34E-07	5.40E-05	6.13E-09	2.41E-09
495818.25, 3859542.96	0.01489	0.00301602	3.42E-07	1.34E-07	5.43E-05	6.16E-09	2.42E-09
495918.25, 3859542.96	0.01494	0.00302615	3.43E-07	1.35E-07	5.45E-05	6.18E-09	2.43E-09
496018.25, 3859542.96	0.01506	0.00305046	3.46E-07	1.36E-07	5.49E-05	6.23E-09	2.45E-09
496118.25, 3859542.96	0.01549	0.00313756	3.56E-07	1.40E-07	5.65E-05	6.41E-09	2.52E-09
496218.25, 3859542.96	0.0159	0.0032206	3.65E-07	1.44E-07	5.80E-05	6.58E-09	2.58E-09
496318.25, 3859542.96	0.01631	0.00330365	3.75E-07	1.47E-07	5.95E-05	6.75E-09	2.65E-09
496418.25, 3859542.96	0.01658	0.00335834	3.81E-07	1.50E-07	6.05E-05	6.86E-09	2.69E-09
495718.25, 3859642.96	0.01716	0.00347582	3.94E-07	1.55E-07	6.26E-05	7.10E-09	2.79E-09
495818.25, 3859642.96	0.01719	0.0034819	3.95E-07	1.55E-07	6.27E-05	7.11E-09	2.79E-09
495918.25, 3859642.96	0.01734	0.00351228	3.98E-07	1.57E-07	6.32E-05	7.17E-09	2.82E-09
496018.25, 3859642.96	0.01746	0.00353659	4.01E-07	1.58E-07	6.37E-05	7.22E-09	2.84E-09
496118.25, 3859642.96	0.01803	0.00365204	4.14E-07	1.63E-07	6.57E-05	7.46E-09	2.93E-09
496218.25, 3859642.96	0.01859	0.00376547	4.27E-07	1.68E-07	6.78E-05	7.69E-09	3.02E-09
496318.25, 3859642.96	0.01891	0.00383029	4.34E-07	1.71E-07	6.90E-05	7.82E-09	3.07E-09
496418.25, 3859642.96	0.01862	0.00377155	4.28E-07	1.68E-07	6.79E-05	7.70E-09	3.03E-09
495718.25, 3859742.96	0.02026	0.00410374	4.65E-07	1.83E-07	7.39E-05	8.38E-09	3.29E-09
495818.25, 3859742.96	0.02018	0.00408753	4.64E-07	1.82E-07	7.36E-05	8.35E-09	3.28E-09
495918.25, 3859742.96	0.02027	0.00410576	4.66E-07	1.83E-07	7.39E-05	8.38E-09	3.29E-09
496018.25, 3859742.96	0.02036	0.00412399	4.68E-07	1.84E-07	7.42E-05	8.42E-09	3.31E-09
496118.25, 3859742.96	0.02101	0.00425565	4.83E-07	1.90E-07	7.66E-05	8.69E-09	3.41E-09
496218.25, 3859742.96	0.02188	0.00443187	5.03E-07	1.97E-07	7.98E-05	9.05E-09	3.56E-09
496318.25, 3859742.96	0.02154	0.004363	4.95E-07	1.94E-07	7.85E-05	8.91E-09	3.50E-09
496418.25, 3859742.96	0.02099	0.0042516	4.82E-07	1.89E-07	7.65E-05	8.68E-09	3.41E-09
495718.25, 3859842.96	0.02402	0.00486534	5.52E-07	2.17E-07	8.76E-05	9.94E-09	3.90E-09
495818.25, 3859842.96	0.02403	0.00486736	5.52E-07	2.17E-07	8.76E-05	9.94E-09	3.90E-09
495918.25, 3859842.96	0.02407	0.00487547	5.53E-07	2.17E-07	8.78E-05	9.96E-09	3.91E-09
496018.25, 3859842.96	0.0244	0.00494231	5.61E-07	2.20E-07	8.90E-05	1.01E-08	3.96E-09
496118.25, 3859842.96	0.025	0.00506384	5.74E-07	2.26E-07	9.12E-05	1.03E-08	4.06E-09
496218.25, 3859842.96	0.025	0.00506384	5.74E-07	2.26E-07	9.12E-05	1.03E-08	4.06E-09

496318.25, 3859842.96	0.02372	0.00480457	5.45E-07	2.14E-07	8.65E-05	9.81E-09	3.85E-09
496418.25, 3859842.96	0.0234	0.00473975	5.38E-07	2.11E-07	8.53E-05	9.68E-09	3.80E-09
495718.25, 3859942.96	0.02876	0.00582544	6.61E-07	2.60E-07	1.05E-04	1.19E-08	4.67E-09
495818.25, 3859942.96	0.02868	0.00580924	6.59E-07	2.59E-07	1.05E-04	1.19E-08	4.66E-09
495918.25, 3859942.96	0.02893	0.00585988	6.65E-07	2.61E-07	1.05E-04	1.20E-08	4.70E-09
496018.25, 3859942.96	0.02997	0.00607053	6.89E-07	2.71E-07	1.09E-04	1.24E-08	4.87E-09
496118.25, 3859942.96	0.02941	0.0059571	6.76E-07	2.65E-07	1.07E-04	1.22E-08	4.78E-09
496218.25, 3859942.96	0.02828	0.00572822	6.50E-07	2.55E-07	1.03E-04	1.17E-08	4.60E-09
496318.25, 3859942.96	0.02752	0.00557428	6.32E-07	2.48E-07	1.00E-04	1.14E-08	4.47E-09
496418.25, 3859942.96	0.02664	0.00539603	6.12E-07	2.40E-07	9.71E-05	1.10E-08	4.33E-09
496856.82, 3858864.83	0.00798	0.00161638	1.83E-07	7.20E-08	2.91E-05	3.30E-09	1.30E-09
496956.82, 3858864.83	0.0082	0.00166094	1.88E-07	7.40E-08	2.99E-05	3.39E-09	1.33E-09
497056.82, 3858864.83	0.00846	0.0017136	1.94E-07	7.64E-08	3.09E-05	3.50E-09	1.37E-09
497156.82, 3858864.83	0.00872	0.00176627	2.00E-07	7.87E-08	3.18E-05	3.61E-09	1.42E-09
497256.82, 3858864.83	0.00903	0.00182906	2.07E-07	8.15E-08	3.29E-05	3.74E-09	1.47E-09
496856.82, 3858964.83	0.00892	0.00180678	2.05E-07	8.05E-08	3.25E-05	3.69E-09	1.45E-09
496956.82, 3858964.83	0.00915	0.00185337	2.10E-07	8.26E-08	3.34E-05	3.78E-09	1.49E-09
497056.82, 3858964.83	0.00943	0.00191008	2.17E-07	8.51E-08	3.44E-05	3.90E-09	1.53E-09
497156.82, 3858964.83	0.00971	0.0019668	2.23E-07	8.76E-08	3.54E-05	4.02E-09	1.58E-09
497256.82, 3858964.83	0.01012	0.00204984	2.33E-07	9.13E-08	3.69E-05	4.19E-09	1.64E-09
496856.82, 3859064.83	0.00994	0.00201338	2.28E-07	8.97E-08	3.62E-05	4.11E-09	1.62E-09
496956.82, 3859064.83	0.01022	0.0020701	2.35E-07	9.22E-08	3.73E-05	4.23E-09	1.66E-09
497056.82, 3859064.83	0.01053	0.00213289	2.42E-07	9.50E-08	3.84E-05	4.36E-09	1.71E-09
497156.82, 3859064.83	0.01086	0.00219973	2.50E-07	9.80E-08	3.96E-05	4.49E-09	1.76E-09
497256.82, 3859064.83	0.01138	0.00230506	2.61E-07	1.03E-07	4.15E-05	4.71E-09	1.85E-09
496856.82, 3859164.83	0.01106	0.00224024	2.54E-07	9.98E-08	4.03E-05	4.57E-09	1.80E-09
496956.82, 3859164.83	0.01135	0.00229898	2.61E-07	1.02E-07	4.14E-05	4.69E-09	1.84E-09
497056.82, 3859164.83	0.01172	0.00237393	2.69E-07	1.06E-07	4.27E-05	4.85E-09	1.90E-09
497156.82, 3859164.83	0.01221	0.00247318	2.81E-07	1.10E-07	4.45E-05	5.05E-09	1.98E-09
497256.82, 3859164.83	0.01287	0.00260686	2.96E-07	1.16E-07	4.69E-05	5.32E-09	2.09E-09
496856.82, 3859264.83	0.01228	0.00248736	2.82E-07	1.11E-07	4.48E-05	5.08E-09	2.00E-09
496956.82, 3859264.83	0.0127	0.00257243	2.92E-07	1.15E-07	4.63E-05	5.25E-09	2.06E-09
497056.82, 3859264.83	0.01324	0.00268181	3.04E-07	1.20E-07	4.83E-05	5.48E-09	2.15E-09
497156.82, 3859264.83	0.01381	0.00279727	3.17E-07	1.25E-07	5.04E-05	5.71E-09	2.24E-09
497256.82, 3859264.83	0.01454	0.00294513	3.34E-07	1.31E-07	5.30E-05	6.01E-09	2.36E-09
497088.92, 3858620.93	0.0065	0.0013166	1.49E-07	5.87E-08	2.37E-05	2.69E-09	1.06E-09
497138.92, 3858620.93	0.00661	0.00133888	1.52E-07	5.97E-08	2.41E-05	2.73E-09	1.07E-09
497188.92, 3858620.93	0.00677	0.00137129	1.56E-07	6.11E-08	2.47E-05	2.80E-09	1.10E-09
497238.92, 3858620.93	0.00689	0.00139559	1.58E-07	6.22E-08	2.51E-05	2.85E-09	1.12E-09
497088.92, 3858670.93	0.00687	0.00139154	1.58E-07	6.20E-08	2.51E-05	2.84E-09	1.12E-09
497138.92, 3858670.93	0.00701	0.0014199	1.61E-07	6.33E-08	2.56E-05	2.90E-09	1.14E-09
497188.92, 3858670.93	0.00712	0.00144218	1.64E-07	6.43E-08	2.60E-05	2.94E-09	1.16E-09
497238.92, 3858670.93	0.00726	0.00147054	1.67E-07	6.55E-08	2.65E-05	3.00E-09	1.18E-09
497088.92, 3858720.93	0.00727	0.00147256	1.67E-07	6.56E-08	2.65E-05	3.01E-09	1.18E-09
497138.92, 3858720.93	0.00734	0.00148674	1.69E-07	6.62E-08	2.68E-05	3.04E-09	1.19E-09
497188.92, 3858720.93	0.00746	0.00151105	1.71E-07	6.73E-08	2.72E-05	3.09E-09	1.21E-09
497238.92, 3858720.93	0.00766	0.00155156	1.76E-07	6.91E-08	2.79E-05	3.17E-09	1.24E-09
497088.92, 3858770.93	0.00765	0.00154954	1.76E-07	6.90E-08	2.79E-05	3.16E-09	1.24E-09
497138.92, 3858770.93	0.00777	0.00157384	1.79E-07	7.01E-08	2.83E-05	3.21E-09	1.26E-09
497188.92, 3858770.93	0.00785	0.00159005	1.80E-07	7.09E-08	2.86E-05	3.25E-09	1.28E-09
497238.92, 3858770.93	0.00808	0.00163663	1.86E-07	7.29E-08	2.95E-05	3.34E-09	1.31E-09
497396.65, 3858622.63	0.00748	0.0015151	1.72E-07	6.75E-08	2.73E-05	3.09E-09	1.22E-09
497496.65, 3858622.63	0.00786	0.00159207	1.81E-07	7.09E-08	2.87E-05	3.25E-09	1.28E-09
497596.65, 3858622.63	0.00828	0.00167714	1.90E-07	7.47E-08	3.02E-05	3.42E-09	1.35E-09
497696.65, 3858622.63	0.0087	0.00176222	2.00E-07	7.85E-08	3.17E-05	3.60E-09	1.41E-09
497796.65, 3858622.63	0.00916	0.00185539	2.10E-07	8.27E-08	3.34E-05	3.79E-09	1.49E-09
497896.65, 3858622.63	0.00966	0.00195667	2.22E-07	8.72E-08	3.52E-05	4.00E-09	1.57E-09
497396.65, 3858722.63	0.00833	0.00168727	1.91E-07	7.52E-08	3.04E-05	3.45E-09	1.35E-09
497496.65, 3858722.63	0.00873	0.00176829	2.01E-07	7.88E-08	3.18E-05	3.61E-09	1.42E-09
497596.65, 3858722.63	0.00924	0.0018716	2.12E-07	8.34E-08	3.37E-05	3.82E-09	1.50E-09
497696.65, 3858722.63	0.00971	0.0019668	2.23E-07	8.76E-08	3.54E-05	4.02E-09	1.58E-09

497796.65, 3858722.63	0.01017	0.00205997	2.34E-07	9.18E-08	3.71E-05	4.21E-09	1.65E-09
497896.65, 3858722.63	0.01069	0.0021653	2.46E-07	9.65E-08	3.90E-05	4.42E-09	1.74E-09
497396.65, 3858822.63	0.00923	0.00186957	2.12E-07	8.33E-08	3.37E-05	3.82E-09	1.50E-09
497496.65, 3858822.63	0.00966	0.00195667	2.22E-07	8.72E-08	3.52E-05	4.00E-09	1.57E-09
497596.65, 3858822.63	0.01017	0.00205997	2.34E-07	9.18E-08	3.71E-05	4.21E-09	1.65E-09
497696.65, 3858822.63	0.01078	0.00218353	2.48E-07	9.73E-08	3.93E-05	4.46E-09	1.75E-09
497796.65, 3858822.63	0.01122	0.00227265	2.58E-07	1.01E-07	4.09E-05	4.64E-09	1.82E-09
497896.65, 3858822.63	0.01197	0.00242457	2.75E-07	1.08E-07	4.37E-05	4.95E-09	1.95E-09
497396.65, 3858922.63	0.01027	0.00208023	2.36E-07	9.27E-08	3.75E-05	4.25E-09	1.67E-09
497496.65, 3858922.63	0.01087	0.00220176	2.50E-07	9.81E-08	3.96E-05	4.50E-09	1.77E-09
497596.65, 3858922.63	0.01131	0.00229088	2.60E-07	1.02E-07	4.12E-05	4.68E-09	1.84E-09
497696.65, 3858922.63	0.01193	0.00241646	2.74E-07	1.08E-07	4.35E-05	4.93E-09	1.94E-09
497796.65, 3858922.63	0.01273	0.00257851	2.92E-07	1.15E-07	4.64E-05	5.27E-09	2.07E-09
497896.65, 3858922.63	0.01343	0.00272029	3.09E-07	1.21E-07	4.90E-05	5.55E-09	2.18E-09
497364.44, 3858201.52	0.00498	0.00100872	1.14E-07	4.49E-08	1.82E-05	2.06E-09	8.09E-10
497414.44, 3858201.52	0.00504	0.00102087	1.16E-07	4.55E-08	1.84E-05	2.08E-09	8.19E-10
497464.44, 3858201.52	0.00515	0.00104315	1.18E-07	4.65E-08	1.88E-05	2.13E-09	8.37E-10
497514.44, 3858201.52	0.0053	0.00107353	1.22E-07	4.78E-08	1.93E-05	2.19E-09	8.61E-10
497564.44, 3858201.52	0.0054	0.00109379	1.24E-07	4.87E-08	1.97E-05	2.23E-09	8.77E-10
497614.44, 3858201.52	0.00552	0.0011181	1.27E-07	4.98E-08	2.01E-05	2.28E-09	8.97E-10
497364.44, 3858251.52	0.00521	0.0010553	1.20E-07	4.70E-08	1.90E-05	2.15E-09	8.47E-10
497414.44, 3858251.52	0.00533	0.00107961	1.22E-07	4.81E-08	1.94E-05	2.20E-09	8.66E-10
497464.44, 3858251.52	0.00542	0.00109784	1.25E-07	4.89E-08	1.98E-05	2.24E-09	8.81E-10
497514.44, 3858251.52	0.0055	0.00111404	1.26E-07	4.96E-08	2.01E-05	2.27E-09	8.94E-10
497564.44, 3858251.52	0.00561	0.00113633	1.29E-07	5.06E-08	2.05E-05	2.32E-09	9.12E-10
497614.44, 3858251.52	0.00573	0.00116063	1.32E-07	5.17E-08	2.09E-05	2.37E-09	9.31E-10
497364.44, 3858301.52	0.00542	0.00109784	1.25E-07	4.89E-08	1.98E-05	2.24E-09	8.81E-10
497414.44, 3858301.52	0.00556	0.0011262	1.28E-07	5.02E-08	2.03E-05	2.30E-09	9.03E-10
497464.44, 3858301.52	0.00564	0.0011424	1.30E-07	5.09E-08	2.06E-05	2.33E-09	9.16E-10
497514.44, 3858301.52	0.00574	0.00116266	1.32E-07	5.18E-08	2.09E-05	2.37E-09	9.33E-10
497564.44, 3858301.52	0.00584	0.00118291	1.34E-07	5.27E-08	2.13E-05	2.42E-09	9.49E-10
497614.44, 3858301.52	0.00596	0.00120722	1.37E-07	5.38E-08	2.17E-05	2.47E-09	9.68E-10
497364.44, 3858351.52	0.00569	0.00115253	1.31E-07	5.14E-08	2.07E-05	2.35E-09	9.25E-10
497414.44, 3858351.52	0.00578	0.00117076	1.33E-07	5.22E-08	2.11E-05	2.39E-09	9.39E-10
497464.44, 3858351.52	0.00589	0.00119304	1.35E-07	5.32E-08	2.15E-05	2.44E-09	9.57E-10
497514.44, 3858351.52	0.006	0.00121532	1.38E-07	5.42E-08	2.19E-05	2.48E-09	9.75E-10
497564.44, 3858351.52	0.0061	0.00123558	1.40E-07	5.51E-08	2.22E-05	2.52E-09	9.91E-10
497614.44, 3858351.52	0.00622	0.00125988	1.43E-07	5.61E-08	2.27E-05	2.57E-09	1.01E-09
497364.44, 3858401.52	0.00587	0.00118899	1.35E-07	5.30E-08	2.14E-05	2.43E-09	9.54E-10
497414.44, 3858401.52	0.00603	0.0012214	1.39E-07	5.44E-08	2.20E-05	2.49E-09	9.80E-10
497464.44, 3858401.52	0.00614	0.00124368	1.41E-07	5.54E-08	2.24E-05	2.54E-09	9.98E-10
497514.44, 3858401.52	0.00626	0.00126799	1.44E-07	5.65E-08	2.28E-05	2.59E-09	1.02E-09
497564.44, 3858401.52	0.00643	0.00130242	1.48E-07	5.80E-08	2.34E-05	2.66E-09	1.04E-09
497614.44, 3858401.52	0.00654	0.0013247	1.50E-07	5.90E-08	2.38E-05	2.71E-09	1.06E-09
493478.11, 3860497.94	0.11291	0.02287033	2.59E-06	1.02E-06	4.12E-04	4.67E-08	1.83E-08
493528.11, 3860497.94	0.11557	0.02340912	2.66E-06	1.04E-06	4.21E-04	4.78E-08	1.88E-08
493478.11, 3860547.94	0.13422	0.02718674	3.08E-06	1.21E-06	4.89E-04	5.55E-08	2.18E-08
493528.11, 3860547.94	0.13835	0.02802329	3.18E-06	1.25E-06	5.05E-04	5.72E-08	2.25E-08
493478.11, 3860597.94	0.15997	0.0324025	3.68E-06	1.44E-06	5.83E-04	6.62E-08	2.60E-08
493528.11, 3860597.94	0.16497	0.03341527	3.79E-06	1.49E-06	6.02E-04	6.82E-08	2.68E-08
493561.88, 3860524.64	0.12826	0.02597952	2.95E-06	1.16E-06	4.68E-04	5.31E-08	2.08E-08
493591.88, 3860524.64	0.12792	0.02591066	2.94E-06	1.15E-06	4.66E-04	5.29E-08	2.08E-08
493561.88, 3860554.64	0.14325	0.0290158	3.29E-06	1.29E-06	5.22E-04	5.93E-08	2.33E-08
493591.88, 3860554.64	0.14139	0.02863905	3.25E-06	1.28E-06	5.16E-04	5.85E-08	2.30E-08
492880.5, 3860293.11	0.06024	0.01220183	1.38E-06	5.44E-07	2.20E-04	2.49E-08	9.79E-09
492930.5, 3860293.11	0.05924	0.01199928	1.36E-06	5.35E-07	2.16E-04	2.45E-08	9.63E-09
492980.5, 3860293.11	0.05817	0.01178254	1.34E-06	5.25E-07	2.12E-04	2.41E-08	9.45E-09
493030.5, 3860293.11	0.04813	0.0097489	1.11E-06	4.34E-07	1.76E-04	1.99E-08	7.82E-09
493080.5, 3860293.11	0.04699	0.00951799	1.08E-06	4.24E-07	1.71E-04	1.94E-08	7.64E-09
493130.5, 3860293.11	0.05205	0.01054291	1.20E-06	4.70E-07	1.90E-04	2.15E-08	8.46E-09
493180.5, 3860293.11	0.05673	0.01149087	1.30E-06	5.12E-07	2.07E-04	2.35E-08	9.22E-09

493230.5, 3860293.11	0.05819	0.01178659	1.34E-06	5.25E-07	2.12E-04	2.41E-08	9.46E-09
493280.5, 3860293.11	0.05547	0.01123565	1.27E-06	5.01E-07	2.02E-04	2.29E-08	9.01E-09
493330.5, 3860293.11	0.05484	0.01110804	1.26E-06	4.95E-07	2.00E-04	2.27E-08	8.91E-09
493380.5, 3860293.11	0.05511	0.01116273	1.27E-06	4.97E-07	2.01E-04	2.28E-08	8.96E-09
492880.5, 3860343.11	0.06705	0.01358122	1.54E-06	6.05E-07	2.45E-04	2.77E-08	1.09E-08
492930.5, 3860343.11	0.06667	0.01350425	1.53E-06	6.02E-07	2.43E-04	2.76E-08	1.08E-08
492980.5, 3860343.11	0.05942	0.01203573	1.37E-06	5.36E-07	2.17E-04	2.46E-08	9.66E-09
493030.5, 3860343.11	0.05529	0.01119919	1.27E-06	4.99E-07	2.02E-04	2.29E-08	8.98E-09
493080.5, 3860343.11	0.05472	0.01108373	1.26E-06	4.94E-07	2.00E-04	2.26E-08	8.89E-09
493130.5, 3860343.11	0.05766	0.01167924	1.32E-06	5.20E-07	2.10E-04	2.38E-08	9.37E-09
493180.5, 3860343.11	0.06029	0.01221196	1.39E-06	5.44E-07	2.20E-04	2.49E-08	9.80E-09
493230.5, 3860343.11	0.06578	0.01332398	1.51E-06	5.94E-07	2.40E-04	2.72E-08	1.07E-08
493280.5, 3860343.11	0.06291	0.01274265	1.45E-06	5.68E-07	2.29E-04	2.60E-08	1.02E-08
493330.5, 3860343.11	0.06156	0.0124692	1.41E-06	5.56E-07	2.24E-04	2.55E-08	1.00E-08
493380.5, 3860343.11	0.06214	0.01258668	1.43E-06	5.61E-07	2.27E-04	2.57E-08	1.01E-08
492880.5, 3860393.11	0.07537	0.01526646	1.73E-06	6.80E-07	2.75E-04	3.12E-08	1.22E-08
492930.5, 3860393.11	0.07358	0.01490389	1.69E-06	6.64E-07	2.68E-04	3.04E-08	1.20E-08
492980.5, 3860393.11	0.06593	0.01335436	1.51E-06	5.95E-07	2.40E-04	2.73E-08	1.07E-08
493030.5, 3860393.11	0.06305	0.012771	1.45E-06	5.69E-07	2.30E-04	2.61E-08	1.02E-08
493080.5, 3860393.11	0.0623	0.01261909	1.43E-06	5.62E-07	2.27E-04	2.58E-08	1.01E-08
493130.5, 3860393.11	0.06701	0.01357312	1.54E-06	6.05E-07	2.44E-04	2.77E-08	1.09E-08
493180.5, 3860393.11	0.07406	0.01500112	1.70E-06	6.68E-07	2.70E-04	3.06E-08	1.20E-08
493230.5, 3860393.11	0.07513	0.01521785	1.73E-06	6.78E-07	2.74E-04	3.11E-08	1.22E-08
493280.5, 3860393.11	0.0719	0.0145636	1.65E-06	6.49E-07	2.62E-04	2.97E-08	1.17E-08
493330.5, 3860393.11	0.07057	0.01429421	1.62E-06	6.37E-07	2.57E-04	2.92E-08	1.15E-08
493380.5, 3860393.11	0.0709	0.01436105	1.63E-06	6.40E-07	2.59E-04	2.93E-08	1.15E-08
492880.5, 3860443.11	0.08385	0.01698412	1.93E-06	7.57E-07	3.06E-04	3.47E-08	1.36E-08
492930.5, 3860443.11	0.08512	0.01724136	1.96E-06	7.68E-07	3.10E-04	3.52E-08	1.38E-08
492980.5, 3860443.11	0.07901	0.01600376	1.82E-06	7.13E-07	2.88E-04	3.27E-08	1.28E-08
493030.5, 3860443.11	0.07799	0.01579716	1.79E-06	7.04E-07	2.84E-04	3.23E-08	1.27E-08
493080.5, 3860443.11	0.07481	0.01515303	1.72E-06	6.75E-07	2.73E-04	3.09E-08	1.22E-08
493130.5, 3860443.11	0.07541	0.01527457	1.73E-06	6.81E-07	2.75E-04	3.12E-08	1.23E-08
493180.5, 3860443.11	0.0886	0.01794625	2.04E-06	8.00E-07	3.23E-04	3.66E-08	1.44E-08
493230.5, 3860443.11	0.08495	0.01720693	1.95E-06	7.67E-07	3.10E-04	3.51E-08	1.38E-08
493280.5, 3860443.11	0.08425	0.01706514	1.94E-06	7.60E-07	3.07E-04	3.48E-08	1.37E-08
493330.5, 3860443.11	0.08123	0.01645343	1.87E-06	7.33E-07	2.96E-04	3.36E-08	1.32E-08
493380.5, 3860443.11	0.08376	0.01696589	1.92E-06	7.56E-07	3.05E-04	3.46E-08	1.36E-08
493180.5, 3860493.11	0.10035	0.02032625	2.31E-06	9.06E-07	3.66E-04	4.15E-08	1.63E-08
493230.5, 3860493.11	0.09953	0.02016016	2.29E-06	8.98E-07	3.63E-04	4.12E-08	1.62E-08
493280.5, 3860493.11	0.09819	0.01988874	2.26E-06	8.86E-07	3.58E-04	4.06E-08	1.60E-08
493330.5, 3860493.11	0.09837	0.0199252	2.26E-06	8.88E-07	3.59E-04	4.07E-08	1.60E-08
493380.5, 3860493.11	0.10197	0.02065439	2.34E-06	9.20E-07	3.72E-04	4.22E-08	1.66E-08
493330.5, 3860543.11	0.11667	0.02363193	2.68E-06	1.05E-06	4.25E-04	4.83E-08	1.90E-08
493380.5, 3860543.11	0.12171	0.0246528	2.80E-06	1.10E-06	4.44E-04	5.03E-08	1.98E-08
494135.94, 3860876.85	0.42597	0.08628176	9.79E-06	3.84E-06	1.55E-03	1.76E-07	6.92E-08
494185.94, 3860876.85	0.42169	0.08541483	9.69E-06	3.81E-06	1.54E-03	1.74E-07	6.85E-08
494135.94, 3860926.85	0.51668	0.10465539	1.19E-05	4.66E-06	1.88E-03	2.14E-07	8.40E-08
494185.94, 3860926.85	0.50581	0.10245364	1.16E-05	4.57E-06	1.84E-03	2.09E-07	8.22E-08
494135.94, 3860976.85	0.62279	0.12614836	1.43E-05	5.62E-06	2.27E-03	2.58E-07	1.01E-07
494185.94, 3860976.85	0.60622	0.12279204	1.39E-05	5.47E-06	2.21E-03	2.51E-07	9.85E-08
494135.94, 3861026.85	0.76018	0.15397719	1.75E-05	6.86E-06	2.77E-03	3.14E-07	1.24E-07
494185.94, 3861026.85	0.7334	0.14855281	1.68E-05	6.62E-06	2.67E-03	3.03E-07	1.19E-07
494135.94, 3861076.85	0.92965	0.18830395	2.14E-05	8.39E-06	3.39E-03	3.85E-07	1.51E-07
494185.94, 3861076.85	0.89431	0.18114571	2.05E-05	8.07E-06	3.26E-03	3.70E-07	1.45E-07
490360.04, 3858710.04	0.01589	0.00321858	3.65E-07	1.43E-07	5.79E-05	6.57E-09	2.58E-09
490410.04, 3858710.04	0.01548	0.00313553	3.56E-07	1.40E-07	5.65E-05	6.40E-09	2.52E-09
490460.04, 3858710.04	0.01477	0.00299172	3.39E-07	1.33E-07	5.39E-05	6.11E-09	2.40E-09
490510.04, 3858710.04	0.01441	0.0029188	3.31E-07	1.30E-07	5.25E-05	5.96E-09	2.34E-09
490560.04, 3858710.04	0.01415	0.00286613	3.25E-07	1.28E-07	5.16E-05	5.85E-09	2.30E-09
490610.04, 3858710.04	0.01385	0.00280537	3.18E-07	1.25E-07	5.05E-05	5.73E-09	2.25E-09
490660.04, 3858710.04	0.01381	0.00279727	3.17E-07	1.25E-07	5.04E-05	5.71E-09	2.24E-09

490710.04, 3858710.04	0.01342	0.00271827	3.08E-07	1.21E-07	4.89E-05	5.55E-09	2.18E-09
490760.04, 3858710.04	0.01315	0.00266358	3.02E-07	1.19E-07	4.80E-05	5.44E-09	2.14E-09
490810.04, 3858710.04	0.01293	0.00261902	2.97E-07	1.17E-07	4.72E-05	5.35E-09	2.10E-09
490860.04, 3858710.04	0.0126	0.00255218	2.89E-07	1.14E-07	4.59E-05	5.21E-09	2.05E-09
490360.04, 3858760.04	0.01604	0.00324896	3.69E-07	1.45E-07	5.85E-05	6.63E-09	2.61E-09
490410.04, 3858760.04	0.0156	0.00315984	3.58E-07	1.41E-07	5.69E-05	6.45E-09	2.53E-09
490460.04, 3858760.04	0.01507	0.00305248	3.46E-07	1.36E-07	5.50E-05	6.23E-09	2.45E-09
490510.04, 3858760.04	0.01453	0.0029431	3.34E-07	1.31E-07	5.30E-05	6.01E-09	2.36E-09
490560.04, 3858760.04	0.01419	0.00287424	3.26E-07	1.28E-07	5.17E-05	5.87E-09	2.31E-09
490610.04, 3858760.04	0.0138	0.00279524	3.17E-07	1.25E-07	5.03E-05	5.71E-09	2.24E-09
490660.04, 3858760.04	0.01349	0.00273245	3.10E-07	1.22E-07	4.92E-05	5.58E-09	2.19E-09
490710.04, 3858760.04	0.01318	0.00266966	3.03E-07	1.19E-07	4.81E-05	5.45E-09	2.14E-09
490760.04, 3858760.04	0.01281	0.00259471	2.94E-07	1.16E-07	4.67E-05	5.30E-09	2.08E-09
490810.04, 3858760.04	0.01252	0.00253597	2.88E-07	1.13E-07	4.57E-05	5.18E-09	2.03E-09
490860.04, 3858760.04	0.01234	0.00249951	2.84E-07	1.11E-07	4.50E-05	5.10E-09	2.01E-09
490360.04, 3858810.04	0.01589	0.00321858	3.65E-07	1.43E-07	5.79E-05	6.57E-09	2.58E-09
490410.04, 3858810.04	0.01546	0.00313148	3.55E-07	1.40E-07	5.64E-05	6.39E-09	2.51E-09
490460.04, 3858810.04	0.01501	0.00304033	3.45E-07	1.35E-07	5.47E-05	6.21E-09	2.44E-09
490510.04, 3858810.04	0.01475	0.00298767	3.39E-07	1.33E-07	5.38E-05	6.10E-09	2.40E-09
490560.04, 3858810.04	0.01442	0.00292082	3.31E-07	1.30E-07	5.26E-05	5.96E-09	2.34E-09
490610.04, 3858810.04	0.0139	0.0028155	3.19E-07	1.25E-07	5.07E-05	5.75E-09	2.26E-09
490660.04, 3858810.04	0.01352	0.00273852	3.11E-07	1.22E-07	4.93E-05	5.59E-09	2.20E-09
490710.04, 3858810.04	0.0131	0.00265345	3.01E-07	1.18E-07	4.78E-05	5.42E-09	2.13E-09
490760.04, 3858810.04	0.01256	0.00254407	2.89E-07	1.13E-07	4.58E-05	5.20E-09	2.04E-09
490810.04, 3858810.04	0.01245	0.00252179	2.86E-07	1.12E-07	4.54E-05	5.15E-09	2.02E-09
490860.04, 3858810.04	0.01212	0.00245495	2.78E-07	1.09E-07	4.42E-05	5.01E-09	1.97E-09
490360.04, 3858860.04	0.01548	0.00313553	3.56E-07	1.40E-07	5.65E-05	6.40E-09	2.52E-09
490410.04, 3858860.04	0.01546	0.00313148	3.55E-07	1.40E-07	5.64E-05	6.39E-09	2.51E-09
490460.04, 3858860.04	0.01496	0.0030302	3.44E-07	1.35E-07	5.46E-05	6.19E-09	2.43E-09
490510.04, 3858860.04	0.01492	0.0030221	3.43E-07	1.35E-07	5.44E-05	6.17E-09	2.42E-09
490560.04, 3858860.04	0.0145	0.00293703	3.33E-07	1.31E-07	5.29E-05	6.00E-09	2.36E-09
490610.04, 3858860.04	0.01384	0.00280334	3.18E-07	1.25E-07	5.05E-05	5.72E-09	2.25E-09
490660.04, 3858860.04	0.01351	0.0027365	3.10E-07	1.22E-07	4.93E-05	5.59E-09	2.20E-09
490710.04, 3858860.04	0.01329	0.00269194	3.05E-07	1.20E-07	4.85E-05	5.50E-09	2.16E-09
490760.04, 3858860.04	0.01276	0.00258458	2.93E-07	1.15E-07	4.65E-05	5.28E-09	2.07E-09
490810.04, 3858860.04	0.01232	0.00249546	2.83E-07	1.11E-07	4.49E-05	5.10E-09	2.00E-09
490860.04, 3858860.04	0.0119	0.00241039	2.73E-07	1.07E-07	4.34E-05	4.92E-09	1.93E-09
490360.04, 3858910.04	0.01581	0.00320237	3.63E-07	1.43E-07	5.77E-05	6.54E-09	2.57E-09
490410.04, 3858910.04	0.01553	0.00314566	3.57E-07	1.40E-07	5.66E-05	6.42E-09	2.52E-09
490460.04, 3858910.04	0.01519	0.00307679	3.49E-07	1.37E-07	5.54E-05	6.28E-09	2.47E-09
490510.04, 3858910.04	0.01479	0.00299577	3.40E-07	1.33E-07	5.39E-05	6.12E-09	2.40E-09
490560.04, 3858910.04	0.01434	0.00290462	3.29E-07	1.29E-07	5.23E-05	5.93E-09	2.33E-09
490610.04, 3858910.04	0.01386	0.00280739	3.18E-07	1.25E-07	5.05E-05	5.73E-09	2.25E-09
490660.04, 3858910.04	0.01353	0.00274055	3.11E-07	1.22E-07	4.93E-05	5.60E-09	2.20E-09
490710.04, 3858910.04	0.0131	0.00265345	3.01E-07	1.18E-07	4.78E-05	5.42E-09	2.13E-09
490760.04, 3858910.04	0.01257	0.0025461	2.89E-07	1.13E-07	4.58E-05	5.20E-09	2.04E-09
490810.04, 3858910.04	0.01225	0.00248128	2.81E-07	1.11E-07	4.47E-05	5.07E-09	1.99E-09
490860.04, 3858910.04	0.01177	0.00238406	2.70E-07	1.06E-07	4.29E-05	4.87E-09	1.91E-09
490360.04, 3858960.04	0.01569	0.00317807	3.60E-07	1.42E-07	5.72E-05	6.49E-09	2.55E-09
490410.04, 3858960.04	0.01528	0.00309502	3.51E-07	1.38E-07	5.57E-05	6.32E-09	2.48E-09
490460.04, 3858960.04	0.01484	0.0030059	3.41E-07	1.34E-07	5.41E-05	6.14E-09	2.41E-09
490510.04, 3858960.04	0.01452	0.00294108	3.34E-07	1.31E-07	5.29E-05	6.01E-09	2.36E-09
490560.04, 3858960.04	0.01418	0.00287221	3.26E-07	1.28E-07	5.17E-05	5.87E-09	2.30E-09
490610.04, 3858960.04	0.01364	0.00276283	3.13E-07	1.23E-07	4.97E-05	5.64E-09	2.22E-09
490660.04, 3858960.04	0.01354	0.00274258	3.11E-07	1.22E-07	4.94E-05	5.60E-09	2.20E-09
490710.04, 3858960.04	0.01301	0.00263522	2.99E-07	1.17E-07	4.74E-05	5.38E-09	2.11E-09
490760.04, 3858960.04	0.01259	0.00255015	2.89E-07	1.14E-07	4.59E-05	5.21E-09	2.05E-09
490810.04, 3858960.04	0.01217	0.00246508	2.80E-07	1.10E-07	4.44E-05	5.03E-09	1.98E-09
490860.04, 3858960.04	0.01166	0.00236177	2.68E-07	1.05E-07	4.25E-05	4.82E-09	1.89E-09
490360.04, 3859010.04	0.01562	0.00316389	3.59E-07	1.41E-07	5.70E-05	6.46E-09	2.54E-09
490410.04, 3859010.04	0.01511	0.00306058	3.47E-07	1.36E-07	5.51E-05	6.25E-09	2.46E-09

490460.04, 3859010.04	0.0145	0.00293703	3.33E-07	1.31E-07	5.29E-05	6.00E-09	2.36E-09
490510.04, 3859010.04	0.01397	0.00282967	3.21E-07	1.26E-07	5.09E-05	5.78E-09	2.27E-09
490560.04, 3859010.04	0.01386	0.00280739	3.18E-07	1.25E-07	5.05E-05	5.73E-09	2.25E-09
490610.04, 3859010.04	0.01339	0.00271219	3.08E-07	1.21E-07	4.88E-05	5.54E-09	2.18E-09
490660.04, 3859010.04	0.01335	0.00270409	3.07E-07	1.20E-07	4.87E-05	5.52E-09	2.17E-09
490710.04, 3859010.04	0.01284	0.00260079	2.95E-07	1.16E-07	4.68E-05	5.31E-09	2.09E-09
490760.04, 3859010.04	0.01243	0.00251774	2.86E-07	1.12E-07	4.53E-05	5.14E-09	2.02E-09
490810.04, 3859010.04	0.01201	0.00243267	2.76E-07	1.08E-07	4.38E-05	4.97E-09	1.95E-09
490860.04, 3859010.04	0.01164	0.00235772	2.67E-07	1.05E-07	4.24E-05	4.81E-09	1.89E-09
490360.04, 3859060.04	0.01547	0.0031335	3.55E-07	1.40E-07	5.64E-05	6.40E-09	2.51E-09
490410.04, 3859060.04	0.01468	0.00297349	3.37E-07	1.32E-07	5.35E-05	6.07E-09	2.39E-09
490460.04, 3859060.04	0.01419	0.00287424	3.26E-07	1.28E-07	5.17E-05	5.87E-09	2.31E-09
490510.04, 3859060.04	0.01383	0.00280132	3.18E-07	1.25E-07	5.04E-05	5.72E-09	2.25E-09
490560.04, 3859060.04	0.01336	0.00270612	3.07E-07	1.21E-07	4.87E-05	5.53E-09	2.17E-09
490610.04, 3859060.04	0.01317	0.00266763	3.03E-07	1.19E-07	4.80E-05	5.45E-09	2.14E-09
490660.04, 3859060.04	0.01302	0.00263725	2.99E-07	1.18E-07	4.75E-05	5.39E-09	2.12E-09
490710.04, 3859060.04	0.01256	0.00254407	2.89E-07	1.13E-07	4.58E-05	5.20E-09	2.04E-09
490760.04, 3859060.04	0.01219	0.00246913	2.80E-07	1.10E-07	4.45E-05	5.04E-09	1.98E-09
490810.04, 3859060.04	0.0118	0.00239013	2.71E-07	1.07E-07	4.30E-05	4.88E-09	1.92E-09
490860.04, 3859060.04	0.01146	0.00232126	2.63E-07	1.03E-07	4.18E-05	4.74E-09	1.86E-09
490360.04, 3859110.04	0.0156	0.00315984	3.58E-07	1.41E-07	5.69E-05	6.45E-09	2.53E-09
490410.04, 3859110.04	0.01478	0.00299374	3.40E-07	1.33E-07	5.39E-05	6.11E-09	2.40E-09
490460.04, 3859110.04	0.01439	0.00291475	3.31E-07	1.30E-07	5.25E-05	5.95E-09	2.34E-09
490510.04, 3859110.04	0.01352	0.00273852	3.11E-07	1.22E-07	4.93E-05	5.59E-09	2.20E-09
490560.04, 3859110.04	0.01316	0.00266561	3.02E-07	1.19E-07	4.80E-05	5.44E-09	2.14E-09
490610.04, 3859110.04	0.01277	0.00258661	2.93E-07	1.15E-07	4.66E-05	5.28E-09	2.08E-09
490660.04, 3859110.04	0.01232	0.00249546	2.83E-07	1.11E-07	4.49E-05	5.10E-09	2.00E-09
490710.04, 3859110.04	0.01217	0.00246508	2.80E-07	1.10E-07	4.44E-05	5.03E-09	1.98E-09
490760.04, 3859110.04	0.01188	0.00240634	2.73E-07	1.07E-07	4.33E-05	4.91E-09	1.93E-09
490810.04, 3859110.04	0.0115	0.00232937	2.64E-07	1.04E-07	4.19E-05	4.76E-09	1.87E-09
490860.04, 3859110.04	0.01114	0.00225645	2.56E-07	1.01E-07	4.06E-05	4.61E-09	1.81E-09
490360.04, 3859160.04	0.01589	0.00321858	3.65E-07	1.43E-07	5.79E-05	6.57E-09	2.58E-09
490410.04, 3859160.04	0.01508	0.00305451	3.46E-07	1.36E-07	5.50E-05	6.24E-09	2.45E-09
490460.04, 3859160.04	0.01448	0.00293298	3.33E-07	1.31E-07	5.28E-05	5.99E-09	2.35E-09
490510.04, 3859160.04	0.01389	0.00281347	3.19E-07	1.25E-07	5.07E-05	5.75E-09	2.26E-09
490560.04, 3859160.04	0.01319	0.00267168	3.03E-07	1.19E-07	4.81E-05	5.46E-09	2.14E-09
490610.04, 3859160.04	0.01287	0.00260686	2.96E-07	1.16E-07	4.69E-05	5.32E-09	2.09E-09
490660.04, 3859160.04	0.01203	0.00243672	2.76E-07	1.09E-07	4.39E-05	4.98E-09	1.95E-09
490710.04, 3859160.04	0.01185	0.00240026	2.72E-07	1.07E-07	4.32E-05	4.90E-09	1.93E-09
490760.04, 3859160.04	0.01136	0.00230101	2.61E-07	1.03E-07	4.14E-05	4.70E-09	1.85E-09
490810.04, 3859160.04	0.01119	0.00226657	2.57E-07	1.01E-07	4.08E-05	4.63E-09	1.82E-09
490860.04, 3859160.04	0.01098	0.00222404	2.52E-07	9.91E-08	4.00E-05	4.54E-09	1.78E-09
490360.04, 3859210.04	0.0162	0.00328137	3.72E-07	1.46E-07	5.91E-05	6.70E-09	2.63E-09
490410.04, 3859210.04	0.01584	0.00320845	3.64E-07	1.43E-07	5.78E-05	6.55E-09	2.57E-09
490460.04, 3859210.04	0.01433	0.00290259	3.29E-07	1.29E-07	5.23E-05	5.93E-09	2.33E-09
490510.04, 3859210.04	0.01397	0.00282967	3.21E-07	1.26E-07	5.09E-05	5.78E-09	2.27E-09
490560.04, 3859210.04	0.01362	0.00275878	3.13E-07	1.23E-07	4.97E-05	5.63E-09	2.21E-09
490610.04, 3859210.04	0.01308	0.0026494	3.01E-07	1.18E-07	4.77E-05	5.41E-09	2.13E-09
490660.04, 3859210.04	0.01205	0.00244077	2.77E-07	1.09E-07	4.39E-05	4.98E-09	1.96E-09
490710.04, 3859210.04	0.01137	0.00230303	2.61E-07	1.03E-07	4.15E-05	4.70E-09	1.85E-09
490760.04, 3859210.04	0.01144	0.00231721	2.63E-07	1.03E-07	4.17E-05	4.73E-09	1.86E-09
490810.04, 3859210.04	0.0115	0.00232937	2.64E-07	1.04E-07	4.19E-05	4.76E-09	1.87E-09
490860.04, 3859210.04	0.01153	0.00233544	2.65E-07	1.04E-07	4.20E-05	4.77E-09	1.87E-09
490360.04, 3859260.04	0.01632	0.00330567	3.75E-07	1.47E-07	5.95E-05	6.75E-09	2.65E-09
490410.04, 3859260.04	0.01579	0.00319832	3.63E-07	1.43E-07	5.76E-05	6.53E-09	2.57E-09
490460.04, 3859260.04	0.01547	0.0031335	3.55E-07	1.40E-07	5.64E-05	6.40E-09	2.51E-09
490510.04, 3859260.04	0.01443	0.00292285	3.32E-07	1.30E-07	5.26E-05	5.97E-09	2.34E-09
490560.04, 3859260.04	0.01446	0.00292893	3.32E-07	1.31E-07	5.27E-05	5.98E-09	2.35E-09
490610.04, 3859260.04	0.01351	0.0027365	3.10E-07	1.22E-07	4.93E-05	5.59E-09	2.20E-09
490660.04, 3859260.04	0.0135	0.00273447	3.10E-07	1.22E-07	4.92E-05	5.58E-09	2.19E-09
490710.04, 3859260.04	0.01233	0.00249749	2.83E-07	1.11E-07	4.50E-05	5.10E-09	2.00E-09

490760.04, 3859260.04	0.01244	0.00251977	2.86E-07	1.12E-07	4.54E-05	5.15E-09	2.02E-09
490810.04, 3859260.04	0.01239	0.00250964	2.85E-07	1.12E-07	4.52E-05	5.12E-09	2.01E-09
490860.04, 3859260.04	0.01233	0.00249749	2.83E-07	1.11E-07	4.50E-05	5.10E-09	2.00E-09
490360.04, 3859310.04	0.01717	0.00347785	3.94E-07	1.55E-07	6.26E-05	7.10E-09	2.79E-09
490410.04, 3859310.04	0.01653	0.00334821	3.80E-07	1.49E-07	6.03E-05	6.84E-09	2.69E-09
490460.04, 3859310.04	0.01607	0.00325504	3.69E-07	1.45E-07	5.86E-05	6.65E-09	2.61E-09
490510.04, 3859310.04	0.01583	0.00320642	3.64E-07	1.43E-07	5.77E-05	6.55E-09	2.57E-09
490560.04, 3859310.04	0.01552	0.00314363	3.57E-07	1.40E-07	5.66E-05	6.42E-09	2.52E-09
490610.04, 3859310.04	0.0153	0.00309907	3.52E-07	1.38E-07	5.58E-05	6.33E-09	2.49E-09
490660.04, 3859310.04	0.01487	0.00301197	3.42E-07	1.34E-07	5.42E-05	6.15E-09	2.42E-09
490710.04, 3859310.04	0.01388	0.00281144	3.19E-07	1.25E-07	5.06E-05	5.74E-09	2.26E-09
490760.04, 3859310.04	0.01348	0.00273042	3.10E-07	1.22E-07	4.92E-05	5.58E-09	2.19E-09
490810.04, 3859310.04	0.01336	0.00270612	3.07E-07	1.21E-07	4.87E-05	5.53E-09	2.17E-09
490860.04, 3859310.04	0.01304	0.0026413	3.00E-07	1.18E-07	4.76E-05	5.39E-09	2.12E-09
490360.04, 3859360.04	0.01832	0.00371078	4.21E-07	1.65E-07	6.68E-05	7.58E-09	2.98E-09
490410.04, 3859360.04	0.01786	0.00361761	4.10E-07	1.61E-07	6.51E-05	7.39E-09	2.90E-09
490460.04, 3859360.04	0.01753	0.00355076	4.03E-07	1.58E-07	6.39E-05	7.25E-09	2.85E-09
490510.04, 3859360.04	0.01718	0.00347987	3.95E-07	1.55E-07	6.26E-05	7.11E-09	2.79E-09
490560.04, 3859360.04	0.01655	0.00335226	3.80E-07	1.49E-07	6.04E-05	6.85E-09	2.69E-09
490610.04, 3859360.04	0.01603	0.00324693	3.68E-07	1.45E-07	5.85E-05	6.63E-09	2.60E-09
490660.04, 3859360.04	0.01568	0.00317604	3.60E-07	1.42E-07	5.72E-05	6.49E-09	2.55E-09
490710.04, 3859360.04	0.01502	0.00304236	3.45E-07	1.36E-07	5.48E-05	6.21E-09	2.44E-09
490760.04, 3859360.04	0.01436	0.00290867	3.30E-07	1.30E-07	5.24E-05	5.94E-09	2.33E-09
490810.04, 3859360.04	0.0144	0.00291677	3.31E-07	1.30E-07	5.25E-05	5.96E-09	2.34E-09
490860.04, 3859360.04	0.01411	0.00285803	3.24E-07	1.27E-07	5.15E-05	5.84E-09	2.29E-09
490360.04, 3859410.04	0.01981	0.00401259	4.55E-07	1.79E-07	7.22E-05	8.19E-09	3.22E-09
490410.04, 3859410.04	0.01933	0.00391536	4.44E-07	1.74E-07	7.05E-05	8.00E-09	3.14E-09
490460.04, 3859410.04	0.01888	0.00382421	4.34E-07	1.70E-07	6.88E-05	7.81E-09	3.07E-09
490510.04, 3859410.04	0.01841	0.00372901	4.23E-07	1.66E-07	6.71E-05	7.61E-09	2.99E-09
490560.04, 3859410.04	0.01798	0.00364191	4.13E-07	1.62E-07	6.56E-05	7.44E-09	2.92E-09
490610.04, 3859410.04	0.01756	0.00355684	4.03E-07	1.58E-07	6.40E-05	7.26E-09	2.85E-09
490660.04, 3859410.04	0.01609	0.00325909	3.70E-07	1.45E-07	5.87E-05	6.66E-09	2.61E-09
490710.04, 3859410.04	0.0151	0.00305856	3.47E-07	1.36E-07	5.51E-05	6.25E-09	2.45E-09
490760.04, 3859410.04	0.01471	0.00297956	3.38E-07	1.33E-07	5.36E-05	6.08E-09	2.39E-09
490810.04, 3859410.04	0.01534	0.00310717	3.52E-07	1.38E-07	5.59E-05	6.34E-09	2.49E-09
490860.04, 3859410.04	0.01548	0.00313553	3.56E-07	1.40E-07	5.65E-05	6.40E-09	2.52E-09
490360.04, 3859460.04	0.02141	0.00433667	4.92E-07	1.93E-07	7.81E-05	8.86E-09	3.48E-09
490410.04, 3859460.04	0.02065	0.00418273	4.74E-07	1.86E-07	7.53E-05	8.54E-09	3.36E-09
490460.04, 3859460.04	0.02016	0.00408348	4.63E-07	1.82E-07	7.35E-05	8.34E-09	3.28E-09
490510.04, 3859460.04	0.01965	0.00398018	4.51E-07	1.77E-07	7.17E-05	8.13E-09	3.19E-09
490560.04, 3859460.04	0.01923	0.00389511	4.42E-07	1.74E-07	7.01E-05	7.95E-09	3.12E-09
490610.04, 3859460.04	0.01864	0.0037756	4.28E-07	1.68E-07	6.80E-05	7.71E-09	3.03E-09
490660.04, 3859460.04	0.018	0.00364596	4.14E-07	1.62E-07	6.56E-05	7.45E-09	2.92E-09
490710.04, 3859460.04	0.01655	0.00335226	3.80E-07	1.49E-07	6.04E-05	6.85E-09	2.69E-09
490760.04, 3859460.04	0.01712	0.00346772	3.93E-07	1.55E-07	6.24E-05	7.08E-09	2.78E-09
490810.04, 3859460.04	0.01668	0.00337859	3.83E-07	1.51E-07	6.08E-05	6.90E-09	2.71E-09
490860.04, 3859460.04	0.01669	0.00338062	3.83E-07	1.51E-07	6.09E-05	6.90E-09	2.71E-09
490360.04, 3859510.04	0.02307	0.00467291	5.30E-07	2.08E-07	8.41E-05	9.54E-09	3.75E-09
490410.04, 3859510.04	0.02251	0.00455948	5.17E-07	2.03E-07	8.21E-05	9.31E-09	3.66E-09
490460.04, 3859510.04	0.02177	0.00440959	5.00E-07	1.96E-07	7.94E-05	9.00E-09	3.54E-09
490510.04, 3859510.04	0.02119	0.00429211	4.87E-07	1.91E-07	7.73E-05	8.76E-09	3.44E-09
490560.04, 3859510.04	0.02063	0.00417868	4.74E-07	1.86E-07	7.52E-05	8.53E-09	3.35E-09
490610.04, 3859510.04	0.01998	0.00404702	4.59E-07	1.80E-07	7.29E-05	8.26E-09	3.25E-09
490660.04, 3859510.04	0.01939	0.00392751	4.45E-07	1.75E-07	7.07E-05	8.02E-09	3.15E-09
490710.04, 3859510.04	0.0188	0.00380801	4.32E-07	1.70E-07	6.86E-05	7.78E-09	3.05E-09
490760.04, 3859510.04	0.01833	0.00371281	4.21E-07	1.65E-07	6.68E-05	7.58E-09	2.98E-09
490810.04, 3859510.04	0.01808	0.00366217	4.15E-07	1.63E-07	6.59E-05	7.48E-09	2.94E-09
490860.04, 3859510.04	0.01773	0.00359128	4.07E-07	1.60E-07	6.47E-05	7.33E-09	2.88E-09
490360.04, 3859560.04	0.02491	0.00504561	5.72E-07	2.25E-07	9.08E-05	1.03E-08	4.05E-09
490410.04, 3859560.04	0.02436	0.00493421	5.60E-07	2.20E-07	8.88E-05	1.01E-08	3.96E-09
490460.04, 3859560.04	0.02371	0.00480255	5.45E-07	2.14E-07	8.65E-05	9.81E-09	3.85E-09

490510.04, 3859560.04	0.02278	0.00461417	5.23E-07	2.06E-07	8.31E-05	9.42E-09	3.70E-09
490560.04, 3859560.04	0.02232	0.004521	5.13E-07	2.01E-07	8.14E-05	9.23E-09	3.63E-09
490610.04, 3859560.04	0.02158	0.00437111	4.96E-07	1.95E-07	7.87E-05	8.93E-09	3.51E-09
490660.04, 3859560.04	0.02095	0.0042435	4.81E-07	1.89E-07	7.64E-05	8.67E-09	3.40E-09
490710.04, 3859560.04	0.02027	0.00410576	4.66E-07	1.83E-07	7.39E-05	8.38E-09	3.29E-09
490760.04, 3859560.04	0.01946	0.00394169	4.47E-07	1.76E-07	7.10E-05	8.05E-09	3.16E-09
490810.04, 3859560.04	0.01898	0.00384447	4.36E-07	1.71E-07	6.92E-05	7.85E-09	3.08E-09
490860.04, 3859560.04	0.01851	0.00374927	4.25E-07	1.67E-07	6.75E-05	7.66E-09	3.01E-09
490187.25, 3859422.08	0.02221	0.00449872	5.10E-07	2.00E-07	8.10E-05	9.19E-09	3.61E-09
490237.25, 3859422.08	0.02161	0.00437718	4.96E-07	1.95E-07	7.88E-05	8.94E-09	3.51E-09
490287.25, 3859422.08	0.02105	0.00426375	4.84E-07	1.90E-07	7.68E-05	8.71E-09	3.42E-09
490337.25, 3859422.08	0.02033	0.00411791	4.67E-07	1.83E-07	7.41E-05	8.41E-09	3.30E-09
490187.25, 3859472.08	0.02367	0.00479444	5.44E-07	2.14E-07	8.63E-05	9.79E-09	3.85E-09
490237.25, 3859472.08	0.02319	0.00469722	5.33E-07	2.09E-07	8.46E-05	9.59E-09	3.77E-09
490287.25, 3859472.08	0.0224	0.0045372	5.15E-07	2.02E-07	8.17E-05	9.27E-09	3.64E-09
490337.25, 3859472.08	0.02199	0.00445415	5.05E-07	1.98E-07	8.02E-05	9.10E-09	3.57E-09
490297.07, 3859500.42	0.0233	0.0047195	5.35E-07	2.10E-07	8.50E-05	9.64E-09	3.79E-09
490327.07, 3859500.42	0.02324	0.00470735	5.34E-07	2.10E-07	8.47E-05	9.61E-09	3.78E-09
490297.07, 3859530.42	0.02465	0.00499295	5.66E-07	2.22E-07	8.99E-05	1.02E-08	4.01E-09
490327.07, 3859530.42	0.02427	0.00491598	5.58E-07	2.19E-07	8.85E-05	1.00E-08	3.94E-09
490319.73, 3859055.34	0.01623	0.00328744	3.73E-07	1.46E-07	5.92E-05	6.71E-09	2.64E-09
490319.73, 3859105.34	0.01623	0.00328744	3.73E-07	1.46E-07	5.92E-05	6.71E-09	2.64E-09
490069.73, 3859155.34	0.01783	0.00361153	4.10E-07	1.61E-07	6.50E-05	7.37E-09	2.90E-09
490119.73, 3859155.34	0.01777	0.00359938	4.08E-07	1.60E-07	6.48E-05	7.35E-09	2.89E-09
490269.73, 3859155.34	0.01732	0.00350823	3.98E-07	1.56E-07	6.32E-05	7.16E-09	2.81E-09
490319.73, 3859155.34	0.01655	0.00335226	3.80E-07	1.49E-07	6.04E-05	6.85E-09	2.69E-09
490069.73, 3859205.34	0.01871	0.00378978	4.30E-07	1.69E-07	6.82E-05	7.74E-09	3.04E-09
490119.73, 3859205.34	0.01896	0.00384042	4.36E-07	1.71E-07	6.91E-05	7.84E-09	3.08E-09
490169.73, 3859205.34	0.01873	0.00379383	4.30E-07	1.69E-07	6.83E-05	7.75E-09	3.04E-09
490219.73, 3859205.34	0.01804	0.00365407	4.14E-07	1.63E-07	6.58E-05	7.46E-09	2.93E-09
490269.73, 3859205.34	0.01709	0.00346164	3.93E-07	1.54E-07	6.23E-05	7.07E-09	2.78E-09
490319.73, 3859205.34	0.0167	0.00338265	3.84E-07	1.51E-07	6.09E-05	6.91E-09	2.71E-09
490069.73, 3859255.34	0.01922	0.00389308	4.42E-07	1.73E-07	7.01E-05	7.95E-09	3.12E-09
490119.73, 3859255.34	0.01934	0.00391739	4.44E-07	1.75E-07	7.05E-05	8.00E-09	3.14E-09
490169.73, 3859255.34	0.01915	0.0038789	4.40E-07	1.73E-07	6.98E-05	7.92E-09	3.11E-09
490219.73, 3859255.34	0.01845	0.00373711	4.24E-07	1.67E-07	6.73E-05	7.63E-09	3.00E-09
490269.73, 3859255.34	0.01769	0.00358317	4.06E-07	1.60E-07	6.45E-05	7.32E-09	2.87E-09
490319.73, 3859255.34	0.01722	0.00348797	3.96E-07	1.55E-07	6.28E-05	7.12E-09	2.80E-09
490069.73, 3859305.34	0.01987	0.00402474	4.57E-07	1.79E-07	7.25E-05	8.22E-09	3.23E-09
490119.73, 3859305.34	0.02003	0.00405715	4.60E-07	1.81E-07	7.30E-05	8.28E-09	3.25E-09
490169.73, 3859305.34	0.01981	0.00401259	4.55E-07	1.79E-07	7.22E-05	8.19E-09	3.22E-09
490219.73, 3859305.34	0.01921	0.00389105	4.41E-07	1.73E-07	7.01E-05	7.95E-09	3.12E-09
490269.73, 3859305.34	0.01859	0.00376547	4.27E-07	1.68E-07	6.78E-05	7.69E-09	3.02E-09
490319.73, 3859305.34	0.01776	0.00359735	4.08E-07	1.60E-07	6.48E-05	7.35E-09	2.89E-09
490069.73, 3859355.34	0.0211	0.00427388	4.85E-07	1.90E-07	7.69E-05	8.73E-09	3.43E-09
490119.73, 3859355.34	0.0212	0.00429414	4.87E-07	1.91E-07	7.73E-05	8.77E-09	3.44E-09
490169.73, 3859355.34	0.02089	0.00423134	4.80E-07	1.89E-07	7.62E-05	8.64E-09	3.39E-09
490219.73, 3859355.34	0.02019	0.00408956	4.64E-07	1.82E-07	7.36E-05	8.35E-09	3.28E-09
490269.73, 3859355.34	0.01964	0.00397815	4.51E-07	1.77E-07	7.16E-05	8.12E-09	3.19E-09
490319.73, 3859355.34	0.01887	0.00382219	4.34E-07	1.70E-07	6.88E-05	7.81E-09	3.07E-09
490069.73, 3859405.34	0.0225	0.00455746	5.17E-07	2.03E-07	8.20E-05	9.31E-09	3.66E-09
490119.73, 3859405.34	0.02241	0.00453923	5.15E-07	2.02E-07	8.17E-05	9.27E-09	3.64E-09
490169.73, 3859405.34	0.02195	0.00444605	5.04E-07	1.98E-07	8.00E-05	9.08E-09	3.57E-09
490219.73, 3859405.34	0.02144	0.00434275	4.93E-07	1.94E-07	7.82E-05	8.87E-09	3.48E-09
490269.73, 3859405.34	0.0207	0.00419286	4.76E-07	1.87E-07	7.55E-05	8.56E-09	3.36E-09
490319.73, 3859405.34	0.01998	0.00404702	4.59E-07	1.80E-07	7.29E-05	8.26E-09	3.25E-09
490161.89, 3859541.83	0.02603	0.00527247	5.98E-07	2.35E-07	9.49E-05	1.08E-08	4.23E-09
490171.89, 3859541.83	0.02594	0.00525424	5.96E-07	2.34E-07	9.46E-05	1.07E-08	4.22E-09
490161.89, 3859551.83	0.02628	0.00532311	6.04E-07	2.37E-07	9.58E-05	1.09E-08	4.27E-09
490171.89, 3859551.83	0.02622	0.00531096	6.02E-07	2.37E-07	9.56E-05	1.08E-08	4.26E-09
489799.72, 3859348.21	0.02145	0.00434477	4.93E-07	1.94E-07	7.82E-05	8.87E-09	3.49E-09

489819.72, 3859348.21	0.02144	0.00434275	4.93E-07	1.94E-07	7.82E-05	8.87E-09	3.48E-09
489799.72, 3859368.21	0.02188	0.00443187	5.03E-07	1.97E-07	7.98E-05	9.05E-09	3.56E-09
489819.72, 3859368.21	0.02178	0.00441162	5.00E-07	1.97E-07	7.94E-05	9.01E-09	3.54E-09
489775.41, 3859329.72	0.02128	0.00431034	4.89E-07	1.92E-07	7.76E-05	8.80E-09	3.46E-09
489795.41, 3859329.72	0.02125	0.00430426	4.88E-07	1.92E-07	7.75E-05	8.79E-09	3.45E-09
489775.41, 3859349.72	0.02159	0.00437313	4.96E-07	1.95E-07	7.87E-05	8.93E-09	3.51E-09
489795.41, 3859349.72	0.02148	0.00435085	4.93E-07	1.94E-07	7.83E-05	8.88E-09	3.49E-09
489595.05, 3859219.43	0.01995	0.00404094	4.58E-07	1.80E-07	7.28E-05	8.25E-09	3.24E-09
489615.05, 3859219.43	0.0198	0.00401056	4.55E-07	1.79E-07	7.22E-05	8.19E-09	3.22E-09
489595.05, 3859239.43	0.02032	0.00411589	4.67E-07	1.83E-07	7.41E-05	8.40E-09	3.30E-09
489615.05, 3859239.43	0.02014	0.00407943	4.63E-07	1.82E-07	7.34E-05	8.33E-09	3.27E-09
489372.4, 3859092.58	0.01889	0.00382624	4.34E-07	1.70E-07	6.89E-05	7.81E-09	3.07E-09
489422.4, 3859092.58	0.01871	0.00378978	4.30E-07	1.69E-07	6.82E-05	7.74E-09	3.04E-09
489372.4, 3859142.58	0.01957	0.00396397	4.50E-07	1.77E-07	7.14E-05	8.09E-09	3.18E-09
489422.4, 3859142.58	0.01943	0.00393562	4.46E-07	1.75E-07	7.09E-05	8.04E-09	3.16E-09
488870.84, 3858666.64	0.01616	0.00327327	3.71E-07	1.46E-07	5.89E-05	6.68E-09	2.63E-09
488900.84, 3858666.64	0.0161	0.00326111	3.70E-07	1.45E-07	5.87E-05	6.66E-09	2.62E-09
488870.84, 3858696.64	0.01641	0.0033239	3.77E-07	1.48E-07	5.98E-05	6.79E-09	2.67E-09
488900.84, 3858696.64	0.01633	0.0033077	3.75E-07	1.47E-07	5.96E-05	6.75E-09	2.65E-09
488889.67, 3858683.97	0.01623	0.00328744	3.73E-07	1.46E-07	5.92E-05	6.71E-09	2.64E-09
488919.67, 3858683.97	0.01621	0.00328339	3.72E-07	1.46E-07	5.91E-05	6.70E-09	2.63E-09
488889.67, 3858713.97	0.01649	0.00334011	3.79E-07	1.49E-07	6.01E-05	6.82E-09	2.68E-09
488919.67, 3858713.97	0.01642	0.00332593	3.77E-07	1.48E-07	5.99E-05	6.79E-09	2.67E-09
488906.61, 3858703.33	0.01638	0.00331783	3.76E-07	1.48E-07	5.97E-05	6.78E-09	2.66E-09
488936.61, 3858703.33	0.01628	0.00329757	3.74E-07	1.47E-07	5.94E-05	6.73E-09	2.65E-09
488906.61, 3858733.33	0.0165	0.00334213	3.79E-07	1.49E-07	6.02E-05	6.82E-09	2.68E-09
488936.61, 3858733.33	0.01647	0.00333606	3.78E-07	1.49E-07	6.01E-05	6.81E-09	2.68E-09
488637.63, 3858467.85	0.01538	0.00311527	3.53E-07	1.39E-07	5.61E-05	6.36E-09	2.50E-09
488662.63, 3858467.85	0.01545	0.00312945	3.55E-07	1.39E-07	5.63E-05	6.39E-09	2.51E-09
488637.63, 3858492.85	0.01552	0.00314363	3.57E-07	1.40E-07	5.66E-05	6.42E-09	2.52E-09
488662.63, 3858492.85	0.01555	0.00314971	3.57E-07	1.40E-07	5.67E-05	6.43E-09	2.53E-09
488687.63, 3858492.85	0.01552	0.00314363	3.57E-07	1.40E-07	5.66E-05	6.42E-09	2.52E-09
488637.63, 3858517.85	0.01575	0.00319022	3.62E-07	1.42E-07	5.74E-05	6.51E-09	2.56E-09
488662.63, 3858517.85	0.01572	0.00318414	3.61E-07	1.42E-07	5.73E-05	6.50E-09	2.55E-09
488687.63, 3858517.85	0.01573	0.00318617	3.61E-07	1.42E-07	5.74E-05	6.51E-09	2.56E-09
488194.42, 3857168.98	0.00831	0.00168322	1.91E-07	7.50E-08	3.03E-05	3.44E-09	1.35E-09
488244.42, 3857168.98	0.00859	0.00173994	1.97E-07	7.75E-08	3.13E-05	3.55E-09	1.40E-09
488294.42, 3857168.98	0.00881	0.0017845	2.02E-07	7.95E-08	3.21E-05	3.64E-09	1.43E-09
488244.42, 3857218.98	0.00861	0.00174399	1.98E-07	7.77E-08	3.14E-05	3.56E-09	1.40E-09
488294.42, 3857218.98	0.00885	0.0017926	2.03E-07	7.99E-08	3.23E-05	3.66E-09	1.44E-09
488294.42, 3857268.98	0.00896	0.00181488	2.06E-07	8.09E-08	3.27E-05	3.71E-09	1.46E-09
488139.13, 3857111.68	0.00804	0.00162853	1.85E-07	7.26E-08	2.93E-05	3.33E-09	1.31E-09
488189.13, 3857111.68	0.00835	0.00169132	1.92E-07	7.54E-08	3.04E-05	3.45E-09	1.36E-09
488189.13, 3857161.68	0.00829	0.00167917	1.90E-07	7.48E-08	3.02E-05	3.43E-09	1.35E-09
487951.04, 3856961.26	0.00737	0.00149282	1.69E-07	6.65E-08	2.69E-05	3.05E-09	1.20E-09
488001.04, 3856961.26	0.00753	0.00152523	1.73E-07	6.80E-08	2.75E-05	3.11E-09	1.22E-09
488051.04, 3856961.26	0.00762	0.00154346	1.75E-07	6.88E-08	2.78E-05	3.15E-09	1.24E-09
488101.04, 3856961.26	0.00794	0.00160828	1.82E-07	7.17E-08	2.90E-05	3.28E-09	1.29E-09
487951.04, 3857011.26	0.00748	0.0015151	1.72E-07	6.75E-08	2.73E-05	3.09E-09	1.22E-09
488001.04, 3857011.26	0.00753	0.00152523	1.73E-07	6.80E-08	2.75E-05	3.11E-09	1.22E-09
488051.04, 3857011.26	0.00762	0.00154346	1.75E-07	6.88E-08	2.78E-05	3.15E-09	1.24E-09
488101.04, 3857011.26	0.00792	0.00160422	1.82E-07	7.15E-08	2.89E-05	3.28E-09	1.29E-09
488001.04, 3857061.26	0.0076	0.00153941	1.75E-07	6.86E-08	2.77E-05	3.14E-09	1.23E-09
488051.04, 3857061.26	0.00774	0.00156776	1.78E-07	6.99E-08	2.82E-05	3.20E-09	1.26E-09
488101.04, 3857061.26	0.00795	0.0016103	1.83E-07	7.18E-08	2.90E-05	3.29E-09	1.29E-09
487638.98, 3856673.79	0.00629	0.00127406	1.45E-07	5.68E-08	2.29E-05	2.60E-09	1.02E-09
487688.98, 3856673.79	0.00642	0.00130039	1.47E-07	5.79E-08	2.34E-05	2.66E-09	1.04E-09
487638.98, 3856723.79	0.00635	0.00128622	1.46E-07	5.73E-08	2.32E-05	2.63E-09	1.03E-09
487688.98, 3856723.79	0.00646	0.0013085	1.48E-07	5.83E-08	2.36E-05	2.67E-09	1.05E-09
486324.61, 3855740.57	0.00416	0.00084262	9.56E-08	3.75E-08	1.52E-05	1.72E-09	6.76E-10
486374.61, 3855740.57	0.00409	0.00082844	9.40E-08	3.69E-08	1.49E-05	1.69E-09	6.65E-10

486424.61, 3855740.57	0.0041	0.00083047	9.42E-08	3.70E-08	1.50E-05	1.70E-09	6.66E-10
486324.61, 3855790.57	0.00415	0.0008406	9.53E-08	3.75E-08	1.51E-05	1.72E-09	6.74E-10
486374.61, 3855790.57	0.00409	0.00082844	9.40E-08	3.69E-08	1.49E-05	1.69E-09	6.65E-10
486424.61, 3855790.57	0.00413	0.00083655	9.49E-08	3.73E-08	1.51E-05	1.71E-09	6.71E-10
486324.61, 3855840.57	0.00413	0.00083655	9.49E-08	3.73E-08	1.51E-05	1.71E-09	6.71E-10
486374.61, 3855840.57	0.00416	0.00084262	9.56E-08	3.75E-08	1.52E-05	1.72E-09	6.76E-10
486424.61, 3855840.57	0.00417	0.00084465	9.58E-08	3.76E-08	1.52E-05	1.72E-09	6.78E-10
486324.61, 3855890.57	0.0042	0.00085073	9.65E-08	3.79E-08	1.53E-05	1.74E-09	6.82E-10
486374.61, 3855890.57	0.00422	0.00085478	9.70E-08	3.81E-08	1.54E-05	1.75E-09	6.86E-10
486424.61, 3855890.57	0.00421	0.00085275	9.67E-08	3.80E-08	1.54E-05	1.74E-09	6.84E-10
488735.69, 3858285.64	0.0149	0.00301805	3.42E-07	1.34E-07	5.43E-05	6.16E-09	2.42E-09
488765.69, 3858285.64	0.01494	0.00302615	3.43E-07	1.35E-07	5.45E-05	6.18E-09	2.43E-09
488735.69, 3858315.64	0.01495	0.00302818	3.43E-07	1.35E-07	5.45E-05	6.18E-09	2.43E-09
488765.69, 3858315.64	0.01497	0.00303223	3.44E-07	1.35E-07	5.46E-05	6.19E-09	2.43E-09
478676.63, 3849871.93	0.00243	0.00049221	5.58E-08	2.19E-08	8.86E-06	1.01E-09	3.95E-10
479326.63, 3849871.93	0.00199	0.00040308	4.57E-08	1.80E-08	7.26E-06	8.23E-10	3.23E-10
479376.63, 3849871.93	0.00197	0.00039903	4.53E-08	1.78E-08	7.18E-06	8.15E-10	3.20E-10
479426.63, 3849871.93	0.00191	0.00038688	4.39E-08	1.72E-08	6.97E-06	7.90E-10	3.10E-10
478726.63, 3849921.93	0.00248	0.00050233	5.70E-08	2.24E-08	9.04E-06	1.03E-09	4.03E-10
478776.63, 3849921.93	0.00245	0.00049626	5.63E-08	2.21E-08	8.93E-06	1.01E-09	3.98E-10
478826.63, 3849921.93	0.00242	0.00049018	5.56E-08	2.18E-08	8.82E-06	1.00E-09	3.93E-10
478976.63, 3849921.93	0.00231	0.0004679	5.31E-08	2.08E-08	8.42E-06	9.55E-10	3.75E-10
479026.63, 3849921.93	0.00231	0.0004679	5.31E-08	2.08E-08	8.42E-06	9.55E-10	3.75E-10
479076.63, 3849921.93	0.00229	0.00046385	5.26E-08	2.07E-08	8.35E-06	9.47E-10	3.72E-10
479126.63, 3849921.93	0.00225	0.00045575	5.17E-08	2.03E-08	8.20E-06	9.31E-10	3.66E-10
479176.63, 3849921.93	0.00223	0.00045169	5.12E-08	2.01E-08	8.13E-06	9.22E-10	3.62E-10
479226.63, 3849921.93	0.00212	0.00042941	4.87E-08	1.91E-08	7.73E-06	8.77E-10	3.44E-10
479276.63, 3849921.93	0.00205	0.00041523	4.71E-08	1.85E-08	7.48E-06	8.48E-10	3.33E-10
479326.63, 3849921.93	0.00212	0.00042941	4.87E-08	1.91E-08	7.73E-06	8.77E-10	3.44E-10
479376.63, 3849921.93	0.00202	0.00040916	4.64E-08	1.82E-08	7.37E-06	8.36E-10	3.28E-10
479426.63, 3849921.93	0.00206	0.00041726	4.73E-08	1.86E-08	7.51E-06	8.52E-10	3.35E-10
478726.63, 3849971.93	0.00254	0.00051449	5.84E-08	2.29E-08	9.26E-06	1.05E-09	4.13E-10
478776.63, 3849971.93	0.00252	0.00051044	5.79E-08	2.27E-08	9.19E-06	1.04E-09	4.09E-10
478826.63, 3849971.93	0.00249	0.00050436	5.72E-08	2.25E-08	9.08E-06	1.03E-09	4.05E-10
478976.63, 3849971.93	0.00243	0.00049221	5.58E-08	2.19E-08	8.86E-06	1.01E-09	3.95E-10
479026.63, 3849971.93	0.00239	0.0004841	5.49E-08	2.16E-08	8.72E-06	9.89E-10	3.88E-10
479076.63, 3849971.93	0.00235	0.000476	5.40E-08	2.12E-08	8.57E-06	9.72E-10	3.82E-10
479126.63, 3849971.93	0.00232	0.00046992	5.33E-08	2.09E-08	8.46E-06	9.60E-10	3.77E-10
479176.63, 3849971.93	0.00223	0.00045169	5.12E-08	2.01E-08	8.13E-06	9.22E-10	3.62E-10
479226.63, 3849971.93	0.00214	0.00043346	4.92E-08	1.93E-08	7.80E-06	8.85E-10	3.48E-10
479276.63, 3849971.93	0.0022	0.00044562	5.05E-08	1.99E-08	8.02E-06	9.10E-10	3.57E-10
479326.63, 3849971.93	0.00217	0.00043954	4.99E-08	1.96E-08	7.91E-06	8.98E-10	3.53E-10
479376.63, 3849971.93	0.00212	0.00042941	4.87E-08	1.91E-08	7.73E-06	8.77E-10	3.44E-10
479426.63, 3849971.93	0.00212	0.00042941	4.87E-08	1.91E-08	7.73E-06	8.77E-10	3.44E-10
478726.63, 3850021.93	0.00259	0.00052461	5.95E-08	2.34E-08	9.44E-06	1.07E-09	4.21E-10
478776.63, 3850021.93	0.00257	0.00052056	5.90E-08	2.32E-08	9.37E-06	1.06E-09	4.18E-10
478826.63, 3850021.93	0.00256	0.00051854	5.88E-08	2.31E-08	9.34E-06	1.06E-09	4.16E-10
478976.63, 3850021.93	0.00251	0.00050841	5.77E-08	2.27E-08	9.15E-06	1.04E-09	4.08E-10
478726.63, 3850071.93	0.00265	0.00053677	6.09E-08	2.39E-08	9.66E-06	1.10E-09	4.31E-10
478776.63, 3850071.93	0.00264	0.00053474	6.07E-08	2.38E-08	9.63E-06	1.09E-09	4.29E-10
478826.63, 3850071.93	0.00262	0.00053069	6.02E-08	2.36E-08	9.55E-06	1.08E-09	4.26E-10
478876.63, 3850071.93	0.00261	0.00052866	6.00E-08	2.36E-08	9.52E-06	1.08E-09	4.24E-10
478976.63, 3850071.93	0.00258	0.00052259	5.93E-08	2.33E-08	9.41E-06	1.07E-09	4.19E-10
478726.63, 3850121.93	0.0027	0.00054689	6.20E-08	2.44E-08	9.85E-06	1.12E-09	4.39E-10
478776.63, 3850121.93	0.0027	0.00054689	6.20E-08	2.44E-08	9.85E-06	1.12E-09	4.39E-10
478826.63, 3850121.93	0.00269	0.00054487	6.18E-08	2.43E-08	9.81E-06	1.11E-09	4.37E-10
478876.63, 3850121.93	0.00267	0.00054082	6.13E-08	2.41E-08	9.74E-06	1.10E-09	4.34E-10
478976.63, 3850121.93	0.00266	0.00053879	6.11E-08	2.40E-08	9.70E-06	1.10E-09	4.32E-10
479026.63, 3850121.93	0.00264	0.00053474	6.07E-08	2.38E-08	9.63E-06	1.09E-09	4.29E-10
479076.63, 3850121.93	0.00261	0.00052866	6.00E-08	2.36E-08	9.52E-06	1.08E-09	4.24E-10
479126.63, 3850121.93	0.00258	0.00052259	5.93E-08	2.33E-08	9.41E-06	1.07E-09	4.19E-10

478776.63, 3850171.93	0.00274	0.000555	6.30E-08	2.47E-08	9.99E-06	1.13E-09	4.45E-10
478826.63, 3850171.93	0.00274	0.000555	6.30E-08	2.47E-08	9.99E-06	1.13E-09	4.45E-10
478876.63, 3850171.93	0.00273	0.00055297	6.27E-08	2.46E-08	9.96E-06	1.13E-09	4.44E-10
478976.63, 3850171.93	0.00273	0.00055297	6.27E-08	2.46E-08	9.96E-06	1.13E-09	4.44E-10
479026.63, 3850171.93	0.00273	0.00055297	6.27E-08	2.46E-08	9.96E-06	1.13E-09	4.44E-10
479076.63, 3850171.93	0.0027	0.00054689	6.20E-08	2.44E-08	9.85E-06	1.12E-09	4.39E-10
479126.63, 3850171.93	0.00267	0.00054082	6.13E-08	2.41E-08	9.74E-06	1.10E-09	4.34E-10
479176.63, 3850171.93	0.00266	0.00053879	6.11E-08	2.40E-08	9.70E-06	1.10E-09	4.32E-10
479226.63, 3850171.93	0.00267	0.00054082	6.13E-08	2.41E-08	9.74E-06	1.10E-09	4.34E-10
479276.63, 3850171.93	0.0027	0.00054689	6.20E-08	2.44E-08	9.85E-06	1.12E-09	4.39E-10
479326.63, 3850171.93	0.00264	0.00053474	6.07E-08	2.38E-08	9.63E-06	1.09E-09	4.29E-10
479376.63, 3850171.93	0.00258	0.00052259	5.93E-08	2.33E-08	9.41E-06	1.07E-09	4.19E-10
478676.63, 3850221.93	0.00272	0.00055095	6.25E-08	2.45E-08	9.92E-06	1.13E-09	4.42E-10
478726.63, 3850221.93	0.00276	0.00055905	6.34E-08	2.49E-08	1.01E-05	1.14E-09	4.48E-10
478976.63, 3850221.93	0.0028	0.00056715	6.43E-08	2.53E-08	1.02E-05	1.16E-09	4.55E-10
479026.63, 3850221.93	0.0028	0.00056715	6.43E-08	2.53E-08	1.02E-05	1.16E-09	4.55E-10
479076.63, 3850221.93	0.00278	0.0005631	6.39E-08	2.51E-08	1.01E-05	1.15E-09	4.52E-10
479126.63, 3850221.93	0.00276	0.00055905	6.34E-08	2.49E-08	1.01E-05	1.14E-09	4.48E-10
479176.63, 3850221.93	0.00276	0.00055905	6.34E-08	2.49E-08	1.01E-05	1.14E-09	4.48E-10
479226.63, 3850221.93	0.00277	0.00056107	6.36E-08	2.50E-08	1.01E-05	1.15E-09	4.50E-10
479276.63, 3850221.93	0.00277	0.00056107	6.36E-08	2.50E-08	1.01E-05	1.15E-09	4.50E-10
479326.63, 3850221.93	0.00272	0.00055095	6.25E-08	2.45E-08	9.92E-06	1.13E-09	4.42E-10
479376.63, 3850221.93	0.00268	0.00054284	6.16E-08	2.42E-08	9.77E-06	1.11E-09	4.35E-10
478676.63, 3850271.93	0.00273	0.00055297	6.27E-08	2.46E-08	9.96E-06	1.13E-09	4.44E-10
478726.63, 3850271.93	0.00277	0.00056107	6.36E-08	2.50E-08	1.01E-05	1.15E-09	4.50E-10
478976.63, 3850271.93	0.00285	0.00057728	6.55E-08	2.57E-08	1.04E-05	1.18E-09	4.63E-10
479026.63, 3850271.93	0.00287	0.00058133	6.59E-08	2.59E-08	1.05E-05	1.19E-09	4.66E-10
479076.63, 3850271.93	0.00287	0.00058133	6.59E-08	2.59E-08	1.05E-05	1.19E-09	4.66E-10
479126.63, 3850271.93	0.00286	0.0005793	6.57E-08	2.58E-08	1.04E-05	1.18E-09	4.65E-10
479176.63, 3850271.93	0.00286	0.0005793	6.57E-08	2.58E-08	1.04E-05	1.18E-09	4.65E-10
479226.63, 3850271.93	0.00286	0.0005793	6.57E-08	2.58E-08	1.04E-05	1.18E-09	4.65E-10
479276.63, 3850271.93	0.00285	0.00057728	6.55E-08	2.57E-08	1.04E-05	1.18E-09	4.63E-10
479326.63, 3850271.93	0.0028	0.00056715	6.43E-08	2.53E-08	1.02E-05	1.16E-09	4.55E-10
479376.63, 3850271.93	0.00273	0.00055297	6.27E-08	2.46E-08	9.96E-06	1.13E-09	4.44E-10
479053.24, 3850293.52	0.0029	0.00058741	6.66E-08	2.62E-08	1.06E-05	1.20E-09	4.71E-10
479103.24, 3850293.52	0.0029	0.00058741	6.66E-08	2.62E-08	1.06E-05	1.20E-09	4.71E-10
479153.24, 3850293.52	0.00289	0.00058538	6.64E-08	2.61E-08	1.05E-05	1.20E-09	4.70E-10
479203.24, 3850293.52	0.0029	0.00058741	6.66E-08	2.62E-08	1.06E-05	1.20E-09	4.71E-10
479253.24, 3850293.52	0.00289	0.00058538	6.64E-08	2.61E-08	1.05E-05	1.20E-09	4.70E-10
479303.24, 3850293.52	0.00285	0.00057728	6.55E-08	2.57E-08	1.04E-05	1.18E-09	4.63E-10
479353.24, 3850293.52	0.00279	0.00056512	6.41E-08	2.52E-08	1.02E-05	1.15E-09	4.53E-10
479153.24, 3850343.52	0.00298	0.00060361	6.85E-08	2.69E-08	1.09E-05	1.23E-09	4.84E-10
479203.24, 3850343.52	0.00298	0.00060361	6.85E-08	2.69E-08	1.09E-05	1.23E-09	4.84E-10
479253.24, 3850343.52	0.00296	0.00059956	6.80E-08	2.67E-08	1.08E-05	1.22E-09	4.81E-10
479303.24, 3850343.52	0.00291	0.00058943	6.69E-08	2.63E-08	1.06E-05	1.20E-09	4.73E-10
479353.24, 3850343.52	0.00287	0.00058133	6.59E-08	2.59E-08	1.05E-05	1.19E-09	4.66E-10
479203.24, 3850393.52	0.00305	0.00061779	7.01E-08	2.75E-08	1.11E-05	1.26E-09	4.96E-10
479253.24, 3850393.52	0.00303	0.00061374	6.96E-08	2.73E-08	1.10E-05	1.25E-09	4.92E-10
479303.24, 3850393.52	0.00299	0.00060564	6.87E-08	2.70E-08	1.09E-05	1.24E-09	4.86E-10
479353.24, 3850393.52	0.00294	0.00059551	6.75E-08	2.65E-08	1.07E-05	1.22E-09	4.78E-10
479403.24, 3850393.52	0.0029	0.00058741	6.66E-08	2.62E-08	1.06E-05	1.20E-09	4.71E-10
479453.24, 3850393.52	0.00283	0.00057323	6.50E-08	2.55E-08	1.03E-05	1.17E-09	4.60E-10
479503.24, 3850393.52	0.00275	0.00055702	6.32E-08	2.48E-08	1.00E-05	1.14E-09	4.47E-10
479303.24, 3850443.52	0.00304	0.00061576	6.98E-08	2.74E-08	1.11E-05	1.26E-09	4.94E-10
479353.24, 3850443.52	0.00299	0.00060564	6.87E-08	2.70E-08	1.09E-05	1.24E-09	4.86E-10
479403.24, 3850443.52	0.00293	0.00059348	6.73E-08	2.64E-08	1.07E-05	1.21E-09	4.76E-10
479453.24, 3850443.52	0.00287	0.00058133	6.59E-08	2.59E-08	1.05E-05	1.19E-09	4.66E-10
479503.24, 3850443.52	0.0028	0.00056715	6.43E-08	2.53E-08	1.02E-05	1.16E-09	4.55E-10
480327.18, 3850987.04	0.00339	0.00068666	7.79E-08	3.06E-08	1.24E-05	1.40E-09	5.51E-10
480377.18, 3850987.04	0.00334	0.00067653	7.67E-08	3.01E-08	1.22E-05	1.38E-09	5.43E-10
480427.18, 3850987.04	0.00327	0.00066235	7.51E-08	2.95E-08	1.19E-05	1.35E-09	5.31E-10

480477.18, 3850987.04	0.00319	0.00064615	7.33E-08	2.88E-08	1.16E-05	1.32E-09	5.18E-10
480327.18, 3851037.04	0.00349	0.00070691	8.02E-08	3.15E-08	1.27E-05	1.44E-09	5.67E-10
480377.18, 3851037.04	0.00343	0.00069476	7.88E-08	3.10E-08	1.25E-05	1.42E-09	5.57E-10
480427.18, 3851037.04	0.00337	0.00068261	7.74E-08	3.04E-08	1.23E-05	1.39E-09	5.48E-10
480477.18, 3851037.04	0.00331	0.00067045	7.60E-08	2.99E-08	1.21E-05	1.37E-09	5.38E-10
480622.06, 3851087.39	0.00328	0.00066438	7.54E-08	2.96E-08	1.20E-05	1.36E-09	5.33E-10
480672.06, 3851087.39	0.00324	0.00065627	7.44E-08	2.92E-08	1.18E-05	1.34E-09	5.26E-10
480622.06, 3851137.39	0.0034	0.00068868	7.81E-08	3.07E-08	1.24E-05	1.41E-09	5.52E-10
480672.06, 3851137.39	0.00336	0.00068058	7.72E-08	3.03E-08	1.23E-05	1.39E-09	5.46E-10
480722.06, 3851137.39	0.00333	0.0006745	7.65E-08	3.01E-08	1.21E-05	1.38E-09	5.41E-10
480622.06, 3851187.39	0.00352	0.00071299	8.09E-08	3.18E-08	1.28E-05	1.46E-09	5.72E-10
480672.06, 3851187.39	0.00349	0.00070691	8.02E-08	3.15E-08	1.27E-05	1.44E-09	5.67E-10
480722.06, 3851187.39	0.00346	0.00070084	7.95E-08	3.12E-08	1.26E-05	1.43E-09	5.62E-10
471363.09, 3845877.25	0.00084	0.00017015	1.93E-08	7.58E-09	3.06E-06	3.47E-10	1.36E-10
471863.09, 3845877.25	0.00088	0.00017825	2.02E-08	7.94E-09	3.21E-06	3.64E-10	1.43E-10
472363.09, 3845877.25	0.00097	0.00019648	2.23E-08	8.75E-09	3.54E-06	4.01E-10	1.58E-10
472863.09, 3845877.25	0.00091	0.00018432	2.09E-08	8.21E-09	3.32E-06	3.76E-10	1.48E-10
473363.09, 3845877.25	0.00092	0.00018635	2.11E-08	8.30E-09	3.35E-06	3.81E-10	1.49E-10
473863.09, 3845877.25	0.00091	0.00018432	2.09E-08	8.21E-09	3.32E-06	3.76E-10	1.48E-10
474363.09, 3845877.25	0.00092	0.00018635	2.11E-08	8.30E-09	3.35E-06	3.81E-10	1.49E-10
474863.09, 3845877.25	0.00094	0.0001904	2.16E-08	8.48E-09	3.43E-06	3.89E-10	1.53E-10
475363.09, 3845877.25	0.00098	0.0001985	2.25E-08	8.85E-09	3.57E-06	4.05E-10	1.59E-10
475863.09, 3845877.25	0.00102	0.0002066	2.34E-08	9.21E-09	3.72E-06	4.22E-10	1.66E-10
476363.09, 3845877.25	0.00102	0.0002066	2.34E-08	9.21E-09	3.72E-06	4.22E-10	1.66E-10
476863.09, 3845877.25	0.00101	0.00020458	2.32E-08	9.12E-09	3.68E-06	4.18E-10	1.64E-10
477363.09, 3845877.25	0.00102	0.0002066	2.34E-08	9.21E-09	3.72E-06	4.22E-10	1.66E-10
477863.09, 3845877.25	0.001	0.00020255	2.30E-08	9.03E-09	3.65E-06	4.14E-10	1.62E-10
478363.09, 3845877.25	0.001	0.00020255	2.30E-08	9.03E-09	3.65E-06	4.14E-10	1.62E-10
478863.09, 3845877.25	0.00098	0.0001985	2.25E-08	8.85E-09	3.57E-06	4.05E-10	1.59E-10
479363.09, 3845877.25	0.00096	0.00019445	2.21E-08	8.66E-09	3.50E-06	3.97E-10	1.56E-10
479863.09, 3845877.25	0.0009	0.0001823	2.07E-08	8.12E-09	3.28E-06	3.72E-10	1.46E-10
480363.09, 3845877.25	0.00082	0.00016609	1.88E-08	7.40E-09	2.99E-06	3.39E-10	1.33E-10
480863.09, 3845877.25	0.00076	0.00015394	1.75E-08	6.86E-09	2.77E-06	3.14E-10	1.23E-10
481363.09, 3845877.25	0.00071	0.00014381	1.63E-08	6.41E-09	2.59E-06	2.94E-10	1.15E-10
481863.09, 3845877.25	0.00068	0.00013774	1.56E-08	6.14E-09	2.48E-06	2.81E-10	1.10E-10
482363.09, 3845877.25	0.00066	0.00013369	1.52E-08	5.96E-09	2.41E-06	2.73E-10	1.07E-10
482863.09, 3845877.25	0.00062	0.00012558	1.42E-08	5.60E-09	2.26E-06	2.56E-10	1.01E-10
483363.09, 3845877.25	0.00057	0.00011546	1.31E-08	5.14E-09	2.08E-06	2.36E-10	9.26E-11
483863.09, 3845877.25	0.00059	0.00011951	1.36E-08	5.33E-09	2.15E-06	2.44E-10	9.59E-11
484363.09, 3845877.25	0.00058	0.00011748	1.33E-08	5.23E-09	2.12E-06	2.40E-10	9.42E-11
484863.09, 3845877.25	0.00058	0.00011748	1.33E-08	5.23E-09	2.12E-06	2.40E-10	9.42E-11
485363.09, 3845877.25	0.00057	0.00011546	1.31E-08	5.14E-09	2.08E-06	2.36E-10	9.26E-11
485863.09, 3845877.25	0.00056	0.00011343	1.29E-08	5.05E-09	2.04E-06	2.32E-10	9.10E-11
486363.09, 3845877.25	0.00053	0.00010735	1.22E-08	4.78E-09	1.93E-06	2.19E-10	8.61E-11
486863.09, 3845877.25	0.00051	0.0001033	1.17E-08	4.60E-09	1.86E-06	2.11E-10	8.29E-11
487363.09, 3845877.25	0.0005	0.00010128	1.15E-08	4.51E-09	1.82E-06	2.07E-10	8.12E-11
487863.09, 3845877.25	0.00048	9.7226E-05	1.10E-08	4.33E-09	1.75E-06	1.99E-10	7.80E-11
488363.09, 3845877.25	0.00048	9.7226E-05	1.10E-08	4.33E-09	1.75E-06	1.99E-10	7.80E-11
488863.09, 3845877.25	0.0005	0.00010128	1.15E-08	4.51E-09	1.82E-06	2.07E-10	8.12E-11
489363.09, 3845877.25	0.00051	0.0001033	1.17E-08	4.60E-09	1.86E-06	2.11E-10	8.29E-11
489863.09, 3845877.25	0.00048	9.7226E-05	1.10E-08	4.33E-09	1.75E-06	1.99E-10	7.80E-11
490363.09, 3845877.25	0.00044	8.9124E-05	1.01E-08	3.97E-09	1.60E-06	1.82E-10	7.15E-11
490863.09, 3845877.25	0.00039	7.8996E-05	8.96E-09	3.52E-09	1.42E-06	1.61E-10	6.34E-11
491363.09, 3845877.25	0.00039	7.8996E-05	8.96E-09	3.52E-09	1.42E-06	1.61E-10	6.34E-11
491863.09, 3845877.25	0.00039	7.8996E-05	8.96E-09	3.52E-09	1.42E-06	1.61E-10	6.34E-11
492363.09, 3845877.25	0.00036	7.2919E-05	8.27E-09	3.25E-09	1.31E-06	1.49E-10	5.85E-11
492863.09, 3845877.25	0.00039	7.8996E-05	8.96E-09	3.52E-09	1.42E-06	1.61E-10	6.34E-11
493363.09, 3845877.25	0.0004	8.1021E-05	9.19E-09	3.61E-09	1.46E-06	1.65E-10	6.50E-11
493863.09, 3845877.25	0.00039	7.8996E-05	8.96E-09	3.52E-09	1.42E-06	1.61E-10	6.34E-11
494363.09, 3845877.25	0.00037	7.4945E-05	8.50E-09	3.34E-09	1.35E-06	1.53E-10	6.01E-11
494863.09, 3845877.25	0.00036	7.2919E-05	8.27E-09	3.25E-09	1.31E-06	1.49E-10	5.85E-11

495363.09, 3845877.25	0.00038	7.697E-05	8.73E-09	3.43E-09	1.39E-06	1.57E-10	6.17E-11
495863.09, 3845877.25	0.00038	7.697E-05	8.73E-09	3.43E-09	1.39E-06	1.57E-10	6.17E-11
496363.09, 3845877.25	0.00037	7.4945E-05	8.50E-09	3.34E-09	1.35E-06	1.53E-10	6.01E-11
496863.09, 3845877.25	0.00035	7.0894E-05	8.04E-09	3.16E-09	1.28E-06	1.45E-10	5.69E-11
497363.09, 3845877.25	0.00036	7.2919E-05	8.27E-09	3.25E-09	1.31E-06	1.49E-10	5.85E-11
497863.09, 3845877.25	0.00037	7.4945E-05	8.50E-09	3.34E-09	1.35E-06	1.53E-10	6.01E-11
498363.09, 3845877.25	0.00039	7.8996E-05	8.96E-09	3.52E-09	1.42E-06	1.61E-10	6.34E-11
471363.09, 3846377.25	0.00112	0.00022686	2.57E-08	1.01E-08	4.08E-06	4.63E-10	1.82E-10
471863.09, 3846377.25	0.00104	0.00021066	2.39E-08	9.39E-09	3.79E-06	4.30E-10	1.69E-10
472363.09, 3846377.25	0.0009	0.0001823	2.07E-08	8.12E-09	3.28E-06	3.72E-10	1.46E-10
472863.09, 3846377.25	0.00097	0.00019648	2.23E-08	8.75E-09	3.54E-06	4.01E-10	1.58E-10
473363.09, 3846377.25	0.00099	0.00020053	2.27E-08	8.94E-09	3.61E-06	4.09E-10	1.61E-10
473863.09, 3846377.25	0.00103	0.00020863	2.37E-08	9.30E-09	3.76E-06	4.26E-10	1.67E-10
474363.09, 3846377.25	0.00103	0.00020863	2.37E-08	9.30E-09	3.76E-06	4.26E-10	1.67E-10
474863.09, 3846377.25	0.00104	0.00021066	2.39E-08	9.39E-09	3.79E-06	4.30E-10	1.69E-10
475363.09, 3846377.25	0.00104	0.00021066	2.39E-08	9.39E-09	3.79E-06	4.30E-10	1.69E-10
475863.09, 3846377.25	0.00108	0.00021876	2.48E-08	9.75E-09	3.94E-06	4.47E-10	1.75E-10
476363.09, 3846377.25	0.00107	0.00021673	2.46E-08	9.66E-09	3.90E-06	4.43E-10	1.74E-10
476863.09, 3846377.25	0.00108	0.00021876	2.48E-08	9.75E-09	3.94E-06	4.47E-10	1.75E-10
477363.09, 3846377.25	0.00108	0.00021876	2.48E-08	9.75E-09	3.94E-06	4.47E-10	1.75E-10
477863.09, 3846377.25	0.00106	0.00021471	2.44E-08	9.57E-09	3.87E-06	4.38E-10	1.72E-10
478363.09, 3846377.25	0.00105	0.00021268	2.41E-08	9.48E-09	3.83E-06	4.34E-10	1.71E-10
478863.09, 3846377.25	0.00108	0.00021876	2.48E-08	9.75E-09	3.94E-06	4.47E-10	1.75E-10
479363.09, 3846377.25	0.00106	0.00021471	2.44E-08	9.57E-09	3.87E-06	4.38E-10	1.72E-10
479863.09, 3846377.25	0.001	0.00020255	2.30E-08	9.03E-09	3.65E-06	4.14E-10	1.62E-10
480363.09, 3846377.25	0.00095	0.00019243	2.18E-08	8.57E-09	3.46E-06	3.93E-10	1.54E-10
480863.09, 3846377.25	0.00085	0.00017217	1.95E-08	7.67E-09	3.10E-06	3.52E-10	1.38E-10
481363.09, 3846377.25	0.00079	0.00016002	1.81E-08	7.13E-09	2.88E-06	3.27E-10	1.28E-10
481863.09, 3846377.25	0.00074	0.00014989	1.70E-08	6.68E-09	2.70E-06	3.06E-10	1.20E-10
482363.09, 3846377.25	0.0007	0.00014179	1.61E-08	6.32E-09	2.55E-06	2.90E-10	1.14E-10
482863.09, 3846377.25	0.00067	0.00013571	1.54E-08	6.05E-09	2.44E-06	2.77E-10	1.09E-10
483363.09, 3846377.25	0.00067	0.00013571	1.54E-08	6.05E-09	2.44E-06	2.77E-10	1.09E-10
483863.09, 3846377.25	0.00064	0.00012963	1.47E-08	5.78E-09	2.33E-06	2.65E-10	1.04E-10
484363.09, 3846377.25	0.00061	0.00012356	1.40E-08	5.51E-09	2.22E-06	2.52E-10	9.91E-11
484863.09, 3846377.25	0.00061	0.00012356	1.40E-08	5.51E-09	2.22E-06	2.52E-10	9.91E-11
485363.09, 3846377.25	0.00062	0.00012558	1.42E-08	5.60E-09	2.26E-06	2.56E-10	1.01E-10
485863.09, 3846377.25	0.0006	0.00012153	1.38E-08	5.42E-09	2.19E-06	2.48E-10	9.75E-11
486363.09, 3846377.25	0.00056	0.00011343	1.29E-08	5.05E-09	2.04E-06	2.32E-10	9.10E-11
486863.09, 3846377.25	0.00053	0.00010735	1.22E-08	4.78E-09	1.93E-06	2.19E-10	8.61E-11
487363.09, 3846377.25	0.00053	0.00010735	1.22E-08	4.78E-09	1.93E-06	2.19E-10	8.61E-11
487863.09, 3846377.25	0.00054	0.00010938	1.24E-08	4.87E-09	1.97E-06	2.23E-10	8.77E-11
488363.09, 3846377.25	0.00053	0.00010735	1.22E-08	4.78E-09	1.93E-06	2.19E-10	8.61E-11
488863.09, 3846377.25	0.00053	0.00010735	1.22E-08	4.78E-09	1.93E-06	2.19E-10	8.61E-11
489363.09, 3846377.25	0.00053	0.00010735	1.22E-08	4.78E-09	1.93E-06	2.19E-10	8.61E-11
489863.09, 3846377.25	0.00052	0.00010533	1.19E-08	4.69E-09	1.90E-06	2.15E-10	8.45E-11
490363.09, 3846377.25	0.00046	9.3175E-05	1.06E-08	4.15E-09	1.68E-06	1.90E-10	7.47E-11
490863.09, 3846377.25	0.00042	8.5073E-05	9.65E-09	3.79E-09	1.53E-06	1.74E-10	6.82E-11
491363.09, 3846377.25	0.0004	8.1021E-05	9.19E-09	3.61E-09	1.46E-06	1.65E-10	6.50E-11
491863.09, 3846377.25	0.00041	8.3047E-05	9.42E-09	3.70E-09	1.50E-06	1.70E-10	6.66E-11
492363.09, 3846377.25	0.0004	8.1021E-05	9.19E-09	3.61E-09	1.46E-06	1.65E-10	6.50E-11
492863.09, 3846377.25	0.0004	8.1021E-05	9.19E-09	3.61E-09	1.46E-06	1.65E-10	6.50E-11
493363.09, 3846377.25	0.00043	8.7098E-05	9.88E-09	3.88E-09	1.57E-06	1.78E-10	6.99E-11
493863.09, 3846377.25	0.00042	8.5073E-05	9.65E-09	3.79E-09	1.53E-06	1.74E-10	6.82E-11
494363.09, 3846377.25	0.00039	7.8996E-05	8.96E-09	3.52E-09	1.42E-06	1.61E-10	6.34E-11
494863.09, 3846377.25	0.00038	7.697E-05	8.73E-09	3.43E-09	1.39E-06	1.57E-10	6.17E-11
495363.09, 3846377.25	0.0004	8.1021E-05	9.19E-09	3.61E-09	1.46E-06	1.65E-10	6.50E-11
495863.09, 3846377.25	0.0004	8.1021E-05	9.19E-09	3.61E-09	1.46E-06	1.65E-10	6.50E-11
496363.09, 3846377.25	0.00039	7.8996E-05	8.96E-09	3.52E-09	1.42E-06	1.61E-10	6.34E-11
496863.09, 3846377.25	0.00037	7.4945E-05	8.50E-09	3.34E-09	1.35E-06	1.53E-10	6.01E-11
497363.09, 3846377.25	0.00038	7.697E-05	8.73E-09	3.43E-09	1.39E-06	1.57E-10	6.17E-11
497863.09, 3846377.25	0.00039	7.8996E-05	8.96E-09	3.52E-09	1.42E-06	1.61E-10	6.34E-11

498363.09, 3846377.25	0.00041	8.3047E-05	9.42E-09	3.70E-09	1.50E-06	1.70E-10	6.66E-11
471363.09, 3846877.25	0.00117	0.00023699	2.69E-08	1.06E-08	4.27E-06	4.84E-10	1.90E-10
471863.09, 3846877.25	0.0012	0.00024306	2.76E-08	1.08E-08	4.38E-06	4.96E-10	1.95E-10
472363.09, 3846877.25	0.00114	0.00023091	2.62E-08	1.03E-08	4.16E-06	4.72E-10	1.85E-10
472863.09, 3846877.25	0.0009	0.0001823	2.07E-08	8.12E-09	3.28E-06	3.72E-10	1.46E-10
473363.09, 3846877.25	0.00103	0.00020863	2.37E-08	9.30E-09	3.76E-06	4.26E-10	1.67E-10
473863.09, 3846877.25	0.00113	0.00022889	2.60E-08	1.02E-08	4.12E-06	4.67E-10	1.84E-10
474363.09, 3846877.25	0.00113	0.00022889	2.60E-08	1.02E-08	4.12E-06	4.67E-10	1.84E-10
474863.09, 3846877.25	0.00112	0.00022686	2.57E-08	1.01E-08	4.08E-06	4.63E-10	1.82E-10
475363.09, 3846877.25	0.00109	0.00022078	2.50E-08	9.84E-09	3.97E-06	4.51E-10	1.77E-10
475863.09, 3846877.25	0.00114	0.00023091	2.62E-08	1.03E-08	4.16E-06	4.72E-10	1.85E-10
476363.09, 3846877.25	0.00115	0.00023294	2.64E-08	1.04E-08	4.19E-06	4.76E-10	1.87E-10
476863.09, 3846877.25	0.00113	0.00022889	2.60E-08	1.02E-08	4.12E-06	4.67E-10	1.84E-10
477363.09, 3846877.25	0.00115	0.00023294	2.64E-08	1.04E-08	4.19E-06	4.76E-10	1.87E-10
477863.09, 3846877.25	0.00113	0.00022889	2.60E-08	1.02E-08	4.12E-06	4.67E-10	1.84E-10
478363.09, 3846877.25	0.00114	0.00023091	2.62E-08	1.03E-08	4.16E-06	4.72E-10	1.85E-10
478863.09, 3846877.25	0.00117	0.00023699	2.69E-08	1.06E-08	4.27E-06	4.84E-10	1.90E-10
479363.09, 3846877.25	0.00115	0.00023294	2.64E-08	1.04E-08	4.19E-06	4.76E-10	1.87E-10
479863.09, 3846877.25	0.00104	0.00021066	2.39E-08	9.39E-09	3.79E-06	4.30E-10	1.69E-10
480363.09, 3846877.25	0.00096	0.00019445	2.21E-08	8.66E-09	3.50E-06	3.97E-10	1.56E-10
480863.09, 3846877.25	0.0009	0.0001823	2.07E-08	8.12E-09	3.28E-06	3.72E-10	1.46E-10
481363.09, 3846877.25	0.00086	0.0001742	1.98E-08	7.76E-09	3.14E-06	3.56E-10	1.40E-10
481863.09, 3846877.25	0.00081	0.00016407	1.86E-08	7.31E-09	2.95E-06	3.35E-10	1.32E-10
482363.09, 3846877.25	0.00074	0.00014989	1.70E-08	6.68E-09	2.70E-06	3.06E-10	1.20E-10
482863.09, 3846877.25	0.00073	0.00014786	1.68E-08	6.59E-09	2.66E-06	3.02E-10	1.19E-10
483363.09, 3846877.25	0.00072	0.00014584	1.65E-08	6.50E-09	2.63E-06	2.98E-10	1.17E-10
483863.09, 3846877.25	0.00071	0.00014381	1.63E-08	6.41E-09	2.59E-06	2.94E-10	1.15E-10
484363.09, 3846877.25	0.00067	0.00013571	1.54E-08	6.05E-09	2.44E-06	2.77E-10	1.09E-10
484863.09, 3846877.25	0.00064	0.00012963	1.47E-08	5.78E-09	2.33E-06	2.65E-10	1.04E-10
485363.09, 3846877.25	0.00065	0.00013166	1.49E-08	5.87E-09	2.37E-06	2.69E-10	1.06E-10
485863.09, 3846877.25	0.00064	0.00012963	1.47E-08	5.78E-09	2.33E-06	2.65E-10	1.04E-10
486363.09, 3846877.25	0.00063	0.00012761	1.45E-08	5.69E-09	2.30E-06	2.61E-10	1.02E-10
486863.09, 3846877.25	0.00059	0.00011951	1.36E-08	5.33E-09	2.15E-06	2.44E-10	9.59E-11
487363.09, 3846877.25	0.00058	0.00011748	1.33E-08	5.23E-09	2.12E-06	2.40E-10	9.42E-11
487863.09, 3846877.25	0.00057	0.00011546	1.31E-08	5.14E-09	2.08E-06	2.36E-10	9.26E-11
488363.09, 3846877.25	0.00056	0.00011343	1.29E-08	5.05E-09	2.04E-06	2.32E-10	9.10E-11
488863.09, 3846877.25	0.00056	0.00011343	1.29E-08	5.05E-09	2.04E-06	2.32E-10	9.10E-11
489363.09, 3846877.25	0.00056	0.00011343	1.29E-08	5.05E-09	2.04E-06	2.32E-10	9.10E-11
489863.09, 3846877.25	0.00056	0.00011343	1.29E-08	5.05E-09	2.04E-06	2.32E-10	9.10E-11
490363.09, 3846877.25	0.0005	0.00010128	1.15E-08	4.51E-09	1.82E-06	2.07E-10	8.12E-11
490863.09, 3846877.25	0.00048	9.7226E-05	1.10E-08	4.33E-09	1.75E-06	1.99E-10	7.80E-11
491363.09, 3846877.25	0.00045	9.1149E-05	1.03E-08	4.06E-09	1.64E-06	1.86E-10	7.31E-11
491863.09, 3846877.25	0.00042	8.5073E-05	9.65E-09	3.79E-09	1.53E-06	1.74E-10	6.82E-11
492363.09, 3846877.25	0.00045	9.1149E-05	1.03E-08	4.06E-09	1.64E-06	1.86E-10	7.31E-11
492863.09, 3846877.25	0.00045	9.1149E-05	1.03E-08	4.06E-09	1.64E-06	1.86E-10	7.31E-11
493363.09, 3846877.25	0.00046	9.3175E-05	1.06E-08	4.15E-09	1.68E-06	1.90E-10	7.47E-11
493863.09, 3846877.25	0.00044	8.9124E-05	1.01E-08	3.97E-09	1.60E-06	1.82E-10	7.15E-11
494363.09, 3846877.25	0.00041	8.3047E-05	9.42E-09	3.70E-09	1.50E-06	1.70E-10	6.66E-11
494863.09, 3846877.25	0.0004	8.1021E-05	9.19E-09	3.61E-09	1.46E-06	1.65E-10	6.50E-11
495363.09, 3846877.25	0.00041	8.3047E-05	9.42E-09	3.70E-09	1.50E-06	1.70E-10	6.66E-11
495863.09, 3846877.25	0.00041	8.3047E-05	9.42E-09	3.70E-09	1.50E-06	1.70E-10	6.66E-11
496363.09, 3846877.25	0.0004	8.1021E-05	9.19E-09	3.61E-09	1.46E-06	1.65E-10	6.50E-11
496863.09, 3846877.25	0.00038	7.697E-05	8.73E-09	3.43E-09	1.39E-06	1.57E-10	6.17E-11
497363.09, 3846877.25	0.00039	7.8996E-05	8.96E-09	3.52E-09	1.42E-06	1.61E-10	6.34E-11
497863.09, 3846877.25	0.00041	8.3047E-05	9.42E-09	3.70E-09	1.50E-06	1.70E-10	6.66E-11
498363.09, 3846877.25	0.00043	8.7098E-05	9.88E-09	3.88E-09	1.57E-06	1.78E-10	6.99E-11
471363.09, 3847377.25	0.00125	0.00025319	2.87E-08	1.13E-08	4.56E-06	5.17E-10	2.03E-10
471863.09, 3847377.25	0.00125	0.00025319	2.87E-08	1.13E-08	4.56E-06	5.17E-10	2.03E-10
472363.09, 3847377.25	0.00126	0.00025522	2.89E-08	1.14E-08	4.59E-06	5.21E-10	2.05E-10
472863.09, 3847377.25	0.00119	0.00024104	2.73E-08	1.07E-08	4.34E-06	4.92E-10	1.93E-10
473363.09, 3847377.25	0.00101	0.00020458	2.32E-08	9.12E-09	3.68E-06	4.18E-10	1.64E-10

473863.09, 3847377.25	0.00112	0.00022686	2.57E-08	1.01E-08	4.08E-06	4.63E-10	1.82E-10
474363.09, 3847377.25	0.00126	0.00025522	2.89E-08	1.14E-08	4.59E-06	5.21E-10	2.05E-10
474863.09, 3847377.25	0.00123	0.00024914	2.83E-08	1.11E-08	4.49E-06	5.09E-10	2.00E-10
475363.09, 3847377.25	0.00117	0.00023699	2.69E-08	1.06E-08	4.27E-06	4.84E-10	1.90E-10
475863.09, 3847377.25	0.00123	0.00024914	2.83E-08	1.11E-08	4.49E-06	5.09E-10	2.00E-10
476363.09, 3847377.25	0.00132	0.00026737	3.03E-08	1.19E-08	4.81E-06	5.46E-10	2.14E-10
476863.09, 3847377.25	0.00124	0.00025117	2.85E-08	1.12E-08	4.52E-06	5.13E-10	2.01E-10
477363.09, 3847377.25	0.00123	0.00024914	2.83E-08	1.11E-08	4.49E-06	5.09E-10	2.00E-10
477863.09, 3847377.25	0.00122	0.00024712	2.80E-08	1.10E-08	4.45E-06	5.05E-10	1.98E-10
478363.09, 3847377.25	0.00123	0.00024914	2.83E-08	1.11E-08	4.49E-06	5.09E-10	2.00E-10
478863.09, 3847377.25	0.00122	0.00024712	2.80E-08	1.10E-08	4.45E-06	5.05E-10	1.98E-10
479363.09, 3847377.25	0.0011	0.00022281	2.53E-08	9.93E-09	4.01E-06	4.55E-10	1.79E-10
479863.09, 3847377.25	0.001	0.00020255	2.30E-08	9.03E-09	3.65E-06	4.14E-10	1.62E-10
480363.09, 3847377.25	0.00092	0.00018635	2.11E-08	8.30E-09	3.35E-06	3.81E-10	1.49E-10
480863.09, 3847377.25	0.00089	0.00018027	2.04E-08	8.03E-09	3.25E-06	3.68E-10	1.45E-10
481363.09, 3847377.25	0.00088	0.00017825	2.02E-08	7.94E-09	3.21E-06	3.64E-10	1.43E-10
481863.09, 3847377.25	0.00089	0.00018027	2.04E-08	8.03E-09	3.25E-06	3.68E-10	1.45E-10
482363.09, 3847377.25	0.00083	0.00016812	1.91E-08	7.49E-09	3.03E-06	3.43E-10	1.35E-10
482863.09, 3847377.25	0.00078	0.00015799	1.79E-08	7.04E-09	2.84E-06	3.23E-10	1.27E-10
483363.09, 3847377.25	0.00076	0.00015394	1.75E-08	6.86E-09	2.77E-06	3.14E-10	1.23E-10
483863.09, 3847377.25	0.00076	0.00015394	1.75E-08	6.86E-09	2.77E-06	3.14E-10	1.23E-10
484363.09, 3847377.25	0.00075	0.00015192	1.72E-08	6.77E-09	2.73E-06	3.10E-10	1.22E-10
484863.09, 3847377.25	0.0007	0.00014179	1.61E-08	6.32E-09	2.55E-06	2.90E-10	1.14E-10
485363.09, 3847377.25	0.00068	0.00013774	1.56E-08	6.14E-09	2.48E-06	2.81E-10	1.10E-10
485863.09, 3847377.25	0.00068	0.00013774	1.56E-08	6.14E-09	2.48E-06	2.81E-10	1.10E-10
486363.09, 3847377.25	0.00069	0.00013976	1.59E-08	6.23E-09	2.52E-06	2.85E-10	1.12E-10
486863.09, 3847377.25	0.00065	0.00013166	1.49E-08	5.87E-09	2.37E-06	2.69E-10	1.06E-10
487363.09, 3847377.25	0.00063	0.00012761	1.45E-08	5.69E-09	2.30E-06	2.61E-10	1.02E-10
487863.09, 3847377.25	0.00061	0.00012356	1.40E-08	5.51E-09	2.22E-06	2.52E-10	9.91E-11
488363.09, 3847377.25	0.0006	0.00012153	1.38E-08	5.42E-09	2.19E-06	2.48E-10	9.75E-11
488863.09, 3847377.25	0.0006	0.00012153	1.38E-08	5.42E-09	2.19E-06	2.48E-10	9.75E-11
489363.09, 3847377.25	0.00059	0.00011951	1.36E-08	5.33E-09	2.15E-06	2.44E-10	9.59E-11
489863.09, 3847377.25	0.00059	0.00011951	1.36E-08	5.33E-09	2.15E-06	2.44E-10	9.59E-11
490363.09, 3847377.25	0.00057	0.00011546	1.31E-08	5.14E-09	2.08E-06	2.36E-10	9.26E-11
490863.09, 3847377.25	0.00055	0.0001114	1.26E-08	4.96E-09	2.01E-06	2.27E-10	8.94E-11
491363.09, 3847377.25	0.00051	0.0001033	1.17E-08	4.60E-09	1.86E-06	2.11E-10	8.29E-11
491863.09, 3847377.25	0.00049	9.9251E-05	1.13E-08	4.42E-09	1.79E-06	2.03E-10	7.96E-11
492363.09, 3847377.25	0.00048	9.7226E-05	1.10E-08	4.33E-09	1.75E-06	1.99E-10	7.80E-11
492863.09, 3847377.25	0.00049	9.9251E-05	1.13E-08	4.42E-09	1.79E-06	2.03E-10	7.96E-11
493363.09, 3847377.25	0.00049	9.9251E-05	1.13E-08	4.42E-09	1.79E-06	2.03E-10	7.96E-11
493863.09, 3847377.25	0.00047	9.52E-05	1.08E-08	4.24E-09	1.71E-06	1.94E-10	7.64E-11
494363.09, 3847377.25	0.00043	8.7098E-05	9.88E-09	3.88E-09	1.57E-06	1.78E-10	6.99E-11
494863.09, 3847377.25	0.00041	8.3047E-05	9.42E-09	3.70E-09	1.50E-06	1.70E-10	6.66E-11
495363.09, 3847377.25	0.00042	8.5073E-05	9.65E-09	3.79E-09	1.53E-06	1.74E-10	6.82E-11
495863.09, 3847377.25	0.00042	8.5073E-05	9.65E-09	3.79E-09	1.53E-06	1.74E-10	6.82E-11
496363.09, 3847377.25	0.0004	8.1021E-05	9.19E-09	3.61E-09	1.46E-06	1.65E-10	6.50E-11
496863.09, 3847377.25	0.00039	7.8996E-05	8.96E-09	3.52E-09	1.42E-06	1.61E-10	6.34E-11
497363.09, 3847377.25	0.00041	8.3047E-05	9.42E-09	3.70E-09	1.50E-06	1.70E-10	6.66E-11
497863.09, 3847377.25	0.00043	8.7098E-05	9.88E-09	3.88E-09	1.57E-06	1.78E-10	6.99E-11
498363.09, 3847377.25	0.00045	9.1149E-05	1.03E-08	4.06E-09	1.64E-06	1.86E-10	7.31E-11
471363.09, 3847877.25	0.00149	0.0003018	3.42E-08	1.34E-08	5.43E-06	6.16E-10	2.42E-10
471863.09, 3847877.25	0.00146	0.00029573	3.35E-08	1.32E-08	5.32E-06	6.04E-10	2.37E-10
472363.09, 3847877.25	0.00138	0.00027952	3.17E-08	1.25E-08	5.03E-06	5.71E-10	2.24E-10
472863.09, 3847877.25	0.00136	0.00027547	3.12E-08	1.23E-08	4.96E-06	5.63E-10	2.21E-10
473363.09, 3847877.25	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
473863.09, 3847877.25	0.00129	0.00026129	2.96E-08	1.16E-08	4.70E-06	5.34E-10	2.10E-10
474363.09, 3847877.25	0.00117	0.00023699	2.69E-08	1.06E-08	4.27E-06	4.84E-10	1.90E-10
474863.09, 3847877.25	0.00135	0.00027345	3.10E-08	1.22E-08	4.92E-06	5.58E-10	2.19E-10
475363.09, 3847877.25	0.00132	0.00026737	3.03E-08	1.19E-08	4.81E-06	5.46E-10	2.14E-10
475863.09, 3847877.25	0.00126	0.00025522	2.89E-08	1.14E-08	4.59E-06	5.21E-10	2.05E-10
476363.09, 3847877.25	0.00142	0.00028763	3.26E-08	1.28E-08	5.18E-06	5.87E-10	2.31E-10

476863.09, 3847877.25	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
477363.09, 3847877.25	0.00138	0.00027952	3.17E-08	1.25E-08	5.03E-06	5.71E-10	2.24E-10
477863.09, 3847877.25	0.00134	0.00027142	3.08E-08	1.21E-08	4.89E-06	5.54E-10	2.18E-10
478363.09, 3847877.25	0.00131	0.00026535	3.01E-08	1.18E-08	4.78E-06	5.42E-10	2.13E-10
478863.09, 3847877.25	0.00127	0.00025724	2.92E-08	1.15E-08	4.63E-06	5.25E-10	2.06E-10
479363.09, 3847877.25	0.00107	0.00021673	2.46E-08	9.66E-09	3.90E-06	4.43E-10	1.74E-10
479863.09, 3847877.25	0.00091	0.00018432	2.09E-08	8.21E-09	3.32E-06	3.76E-10	1.48E-10
480363.09, 3847877.25	0.00096	0.00019445	2.21E-08	8.66E-09	3.50E-06	3.97E-10	1.56E-10
480863.09, 3847877.25	0.00095	0.00019243	2.18E-08	8.57E-09	3.46E-06	3.93E-10	1.54E-10
481363.09, 3847877.25	0.00095	0.00019243	2.18E-08	8.57E-09	3.46E-06	3.93E-10	1.54E-10
481863.09, 3847877.25	0.001	0.00020255	2.30E-08	9.03E-09	3.65E-06	4.14E-10	1.62E-10
482363.09, 3847877.25	0.00093	0.00018837	2.14E-08	8.39E-09	3.39E-06	3.85E-10	1.51E-10
482863.09, 3847877.25	0.00086	0.0001742	1.98E-08	7.76E-09	3.14E-06	3.56E-10	1.40E-10
483363.09, 3847877.25	0.00082	0.00016609	1.88E-08	7.40E-09	2.99E-06	3.39E-10	1.33E-10
483863.09, 3847877.25	0.00081	0.00016407	1.86E-08	7.31E-09	2.95E-06	3.35E-10	1.32E-10
484363.09, 3847877.25	0.00082	0.00016609	1.88E-08	7.40E-09	2.99E-06	3.39E-10	1.33E-10
484863.09, 3847877.25	0.00079	0.00016002	1.81E-08	7.13E-09	2.88E-06	3.27E-10	1.28E-10
485363.09, 3847877.25	0.00074	0.00014989	1.70E-08	6.68E-09	2.70E-06	3.06E-10	1.20E-10
485863.09, 3847877.25	0.00072	0.00014584	1.65E-08	6.50E-09	2.63E-06	2.98E-10	1.17E-10
486363.09, 3847877.25	0.00072	0.00014584	1.65E-08	6.50E-09	2.63E-06	2.98E-10	1.17E-10
486863.09, 3847877.25	0.00071	0.00014381	1.63E-08	6.41E-09	2.59E-06	2.94E-10	1.15E-10
487363.09, 3847877.25	0.00068	0.00013774	1.56E-08	6.14E-09	2.48E-06	2.81E-10	1.10E-10
487863.09, 3847877.25	0.00065	0.00013166	1.49E-08	5.87E-09	2.37E-06	2.69E-10	1.06E-10
488363.09, 3847877.25	0.00064	0.00012963	1.47E-08	5.78E-09	2.33E-06	2.65E-10	1.04E-10
488863.09, 3847877.25	0.00063	0.00012761	1.45E-08	5.69E-09	2.30E-06	2.61E-10	1.02E-10
489363.09, 3847877.25	0.00063	0.00012761	1.45E-08	5.69E-09	2.30E-06	2.61E-10	1.02E-10
489863.09, 3847877.25	0.00065	0.00013166	1.49E-08	5.87E-09	2.37E-06	2.69E-10	1.06E-10
490363.09, 3847877.25	0.00065	0.00013166	1.49E-08	5.87E-09	2.37E-06	2.69E-10	1.06E-10
490863.09, 3847877.25	0.00063	0.00012761	1.45E-08	5.69E-09	2.30E-06	2.61E-10	1.02E-10
491363.09, 3847877.25	0.00057	0.00011546	1.31E-08	5.14E-09	2.08E-06	2.36E-10	9.26E-11
491863.09, 3847877.25	0.00053	0.00010735	1.22E-08	4.78E-09	1.93E-06	2.19E-10	8.61E-11
492363.09, 3847877.25	0.00052	0.00010533	1.19E-08	4.69E-09	1.90E-06	2.15E-10	8.45E-11
492863.09, 3847877.25	0.00052	0.00010533	1.19E-08	4.69E-09	1.90E-06	2.15E-10	8.45E-11
493363.09, 3847877.25	0.0005	0.00010128	1.15E-08	4.51E-09	1.82E-06	2.07E-10	8.12E-11
493863.09, 3847877.25	0.00048	9.7226E-05	1.10E-08	4.33E-09	1.75E-06	1.99E-10	7.80E-11
494363.09, 3847877.25	0.00044	8.9124E-05	1.01E-08	3.97E-09	1.60E-06	1.82E-10	7.15E-11
494863.09, 3847877.25	0.00042	8.5073E-05	9.65E-09	3.79E-09	1.53E-06	1.74E-10	6.82E-11
495363.09, 3847877.25	0.00042	8.5073E-05	9.65E-09	3.79E-09	1.53E-06	1.74E-10	6.82E-11
495863.09, 3847877.25	0.00038	7.697E-05	8.73E-09	3.43E-09	1.39E-06	1.57E-10	6.17E-11
496363.09, 3847877.25	0.0004	8.1021E-05	9.19E-09	3.61E-09	1.46E-06	1.65E-10	6.50E-11
496863.09, 3847877.25	0.0004	8.1021E-05	9.19E-09	3.61E-09	1.46E-06	1.65E-10	6.50E-11
497363.09, 3847877.25	0.00041	8.3047E-05	9.42E-09	3.70E-09	1.50E-06	1.70E-10	6.66E-11
497863.09, 3847877.25	0.00045	9.1149E-05	1.03E-08	4.06E-09	1.64E-06	1.86E-10	7.31E-11
498363.09, 3847877.25	0.00047	9.52E-05	1.08E-08	4.24E-09	1.71E-06	1.94E-10	7.64E-11
471363.09, 3848377.25	0.00157	0.00031801	3.61E-08	1.42E-08	5.73E-06	6.49E-10	2.55E-10
471863.09, 3848377.25	0.00162	0.00032814	3.72E-08	1.46E-08	5.91E-06	6.70E-10	2.63E-10
472363.09, 3848377.25	0.00159	0.00032206	3.65E-08	1.44E-08	5.80E-06	6.58E-10	2.58E-10
472863.09, 3848377.25	0.00154	0.00031193	3.54E-08	1.39E-08	5.62E-06	6.37E-10	2.50E-10
473363.09, 3848377.25	0.00146	0.00029573	3.35E-08	1.32E-08	5.32E-06	6.04E-10	2.37E-10
473863.09, 3848377.25	0.00149	0.0003018	3.42E-08	1.34E-08	5.43E-06	6.16E-10	2.42E-10
474363.09, 3848377.25	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
474863.09, 3848377.25	0.00125	0.00025319	2.87E-08	1.13E-08	4.56E-06	5.17E-10	2.03E-10
475363.09, 3848377.25	0.00153	0.00030991	3.52E-08	1.38E-08	5.58E-06	6.33E-10	2.49E-10
475863.09, 3848377.25	0.00147	0.00029775	3.38E-08	1.33E-08	5.36E-06	6.08E-10	2.39E-10
476363.09, 3848377.25	0.00136	0.00027547	3.12E-08	1.23E-08	4.96E-06	5.63E-10	2.21E-10
476863.09, 3848377.25	0.00164	0.00033219	3.77E-08	1.48E-08	5.98E-06	6.78E-10	2.66E-10
477363.09, 3848377.25	0.00153	0.00030991	3.52E-08	1.38E-08	5.58E-06	6.33E-10	2.49E-10
477863.09, 3848377.25	0.0015	0.00030383	3.45E-08	1.35E-08	5.47E-06	6.20E-10	2.44E-10
478363.09, 3848377.25	0.00142	0.00028763	3.26E-08	1.28E-08	5.18E-06	5.87E-10	2.31E-10
478863.09, 3848377.25	0.00129	0.00026129	2.96E-08	1.16E-08	4.70E-06	5.34E-10	2.10E-10
479363.09, 3848377.25	0.00112	0.00022686	2.57E-08	1.01E-08	4.08E-06	4.63E-10	1.82E-10

479863.09, 3848377.25	0.00082	0.00016609	1.88E-08	7.40E-09	2.99E-06	3.39E-10	1.33E-10
480363.09, 3848377.25	0.00093	0.00018837	2.14E-08	8.39E-09	3.39E-06	3.85E-10	1.51E-10
480863.09, 3848377.25	0.00108	0.00021876	2.48E-08	9.75E-09	3.94E-06	4.47E-10	1.75E-10
481363.09, 3848377.25	0.00112	0.00022686	2.57E-08	1.01E-08	4.08E-06	4.63E-10	1.82E-10
481863.09, 3848377.25	0.00112	0.00022686	2.57E-08	1.01E-08	4.08E-06	4.63E-10	1.82E-10
482363.09, 3848377.25	0.00108	0.00021876	2.48E-08	9.75E-09	3.94E-06	4.47E-10	1.75E-10
482863.09, 3848377.25	0.00097	0.00019648	2.23E-08	8.75E-09	3.54E-06	4.01E-10	1.58E-10
483363.09, 3848377.25	0.00091	0.00018432	2.09E-08	8.21E-09	3.32E-06	3.76E-10	1.48E-10
483863.09, 3848377.25	0.00086	0.0001742	1.98E-08	7.76E-09	3.14E-06	3.56E-10	1.40E-10
484363.09, 3848377.25	0.00086	0.0001742	1.98E-08	7.76E-09	3.14E-06	3.56E-10	1.40E-10
484863.09, 3848377.25	0.00088	0.00017825	2.02E-08	7.94E-09	3.21E-06	3.64E-10	1.43E-10
485363.09, 3848377.25	0.00083	0.00016812	1.91E-08	7.49E-09	3.03E-06	3.43E-10	1.35E-10
485863.09, 3848377.25	0.00078	0.00015799	1.79E-08	7.04E-09	2.84E-06	3.23E-10	1.27E-10
486363.09, 3848377.25	0.00076	0.00015394	1.75E-08	6.86E-09	2.77E-06	3.14E-10	1.23E-10
486863.09, 3848377.25	0.00075	0.00015192	1.72E-08	6.77E-09	2.73E-06	3.10E-10	1.22E-10
487363.09, 3848377.25	0.00073	0.00014786	1.68E-08	6.59E-09	2.66E-06	3.02E-10	1.19E-10
487863.09, 3848377.25	0.0007	0.00014179	1.61E-08	6.32E-09	2.55E-06	2.90E-10	1.14E-10
488363.09, 3848377.25	0.00069	0.00013976	1.59E-08	6.23E-09	2.52E-06	2.85E-10	1.12E-10
488863.09, 3848377.25	0.00068	0.00013774	1.56E-08	6.14E-09	2.48E-06	2.81E-10	1.10E-10
489363.09, 3848377.25	0.00068	0.00013774	1.56E-08	6.14E-09	2.48E-06	2.81E-10	1.10E-10
489863.09, 3848377.25	0.00069	0.00013976	1.59E-08	6.23E-09	2.52E-06	2.85E-10	1.12E-10
490363.09, 3848377.25	0.0007	0.00014179	1.61E-08	6.32E-09	2.55E-06	2.90E-10	1.14E-10
490863.09, 3848377.25	0.00068	0.00013774	1.56E-08	6.14E-09	2.48E-06	2.81E-10	1.10E-10
491363.09, 3848377.25	0.00063	0.00012761	1.45E-08	5.69E-09	2.30E-06	2.61E-10	1.02E-10
491863.09, 3848377.25	0.00058	0.00011748	1.33E-08	5.23E-09	2.12E-06	2.40E-10	9.42E-11
492363.09, 3848377.25	0.00054	0.00010938	1.24E-08	4.87E-09	1.97E-06	2.23E-10	8.77E-11
492863.09, 3848377.25	0.00052	0.00010533	1.19E-08	4.69E-09	1.90E-06	2.15E-10	8.45E-11
493363.09, 3848377.25	0.00051	0.0001033	1.17E-08	4.60E-09	1.86E-06	2.11E-10	8.29E-11
493863.09, 3848377.25	0.00048	9.7226E-05	1.10E-08	4.33E-09	1.75E-06	1.99E-10	7.80E-11
494363.09, 3848377.25	0.00044	8.9124E-05	1.01E-08	3.97E-09	1.60E-06	1.82E-10	7.15E-11
494863.09, 3848377.25	0.00042	8.5073E-05	9.65E-09	3.79E-09	1.53E-06	1.74E-10	6.82E-11
495363.09, 3848377.25	0.0004	8.1021E-05	9.19E-09	3.61E-09	1.46E-06	1.65E-10	6.50E-11
495863.09, 3848377.25	0.0004	8.1021E-05	9.19E-09	3.61E-09	1.46E-06	1.65E-10	6.50E-11
496363.09, 3848377.25	0.0004	8.1021E-05	9.19E-09	3.61E-09	1.46E-06	1.65E-10	6.50E-11
496863.09, 3848377.25	0.00039	7.8996E-05	8.96E-09	3.52E-09	1.42E-06	1.61E-10	6.34E-11
497363.09, 3848377.25	0.00041	8.3047E-05	9.42E-09	3.70E-09	1.50E-06	1.70E-10	6.66E-11
497863.09, 3848377.25	0.00048	9.7226E-05	1.10E-08	4.33E-09	1.75E-06	1.99E-10	7.80E-11
498363.09, 3848377.25	0.00048	9.7226E-05	1.10E-08	4.33E-09	1.75E-06	1.99E-10	7.80E-11
471363.09, 3848877.25	0.00153	0.00030991	3.52E-08	1.38E-08	5.58E-06	6.33E-10	2.49E-10
471863.09, 3848877.25	0.00165	0.00033421	3.79E-08	1.49E-08	6.02E-06	6.82E-10	2.68E-10
472363.09, 3848877.25	0.00172	0.00034839	3.95E-08	1.55E-08	6.27E-06	7.11E-10	2.79E-10
472863.09, 3848877.25	0.00176	0.00035649	4.04E-08	1.59E-08	6.42E-06	7.28E-10	2.86E-10
473363.09, 3848877.25	0.00177	0.00035852	4.07E-08	1.60E-08	6.45E-06	7.32E-10	2.88E-10
473863.09, 3848877.25	0.00165	0.00033421	3.79E-08	1.49E-08	6.02E-06	6.82E-10	2.68E-10
474363.09, 3848877.25	0.00165	0.00033421	3.79E-08	1.49E-08	6.02E-06	6.82E-10	2.68E-10
474863.09, 3848877.25	0.00139	0.00028155	3.19E-08	1.25E-08	5.07E-06	5.75E-10	2.26E-10
475363.09, 3848877.25	0.00142	0.00028763	3.26E-08	1.28E-08	5.18E-06	5.87E-10	2.31E-10
475863.09, 3848877.25	0.00165	0.00033421	3.79E-08	1.49E-08	6.02E-06	6.82E-10	2.68E-10
476363.09, 3848877.25	0.00168	0.00034029	3.86E-08	1.52E-08	6.13E-06	6.95E-10	2.73E-10
476863.09, 3848877.25	0.00157	0.00031801	3.61E-08	1.42E-08	5.73E-06	6.49E-10	2.55E-10
477363.09, 3848877.25	0.00194	0.00039295	4.46E-08	1.75E-08	7.07E-06	8.02E-10	3.15E-10
477863.09, 3848877.25	0.00173	0.00035042	3.97E-08	1.56E-08	6.31E-06	7.16E-10	2.81E-10
478363.09, 3848877.25	0.00167	0.00033826	3.84E-08	1.51E-08	6.09E-06	6.91E-10	2.71E-10
478863.09, 3848877.25	0.00146	0.00029573	3.35E-08	1.32E-08	5.32E-06	6.04E-10	2.37E-10
479363.09, 3848877.25	0.0013	0.00026332	2.99E-08	1.17E-08	4.74E-06	5.38E-10	2.11E-10
479863.09, 3848877.25	0.00118	0.00023901	2.71E-08	1.07E-08	4.30E-06	4.88E-10	1.92E-10
480363.09, 3848877.25	0.00123	0.00024914	2.83E-08	1.11E-08	4.49E-06	5.09E-10	2.00E-10
480863.09, 3848877.25	0.00128	0.00025927	2.94E-08	1.16E-08	4.67E-06	5.29E-10	2.08E-10
481363.09, 3848877.25	0.00131	0.00026535	3.01E-08	1.18E-08	4.78E-06	5.42E-10	2.13E-10
481863.09, 3848877.25	0.00123	0.00024914	2.83E-08	1.11E-08	4.49E-06	5.09E-10	2.00E-10
482363.09, 3848877.25	0.00113	0.00022889	2.60E-08	1.02E-08	4.12E-06	4.67E-10	1.84E-10

482863.09, 3848877.25	0.00104	0.00021066	2.39E-08	9.39E-09	3.79E-06	4.30E-10	1.69E-10
483363.09, 3848877.25	0.00094	0.0001904	2.16E-08	8.48E-09	3.43E-06	3.89E-10	1.53E-10
483863.09, 3848877.25	0.00088	0.00017825	2.02E-08	7.94E-09	3.21E-06	3.64E-10	1.43E-10
484363.09, 3848877.25	0.00091	0.00018432	2.09E-08	8.21E-09	3.32E-06	3.76E-10	1.48E-10
484863.09, 3848877.25	0.00095	0.00019243	2.18E-08	8.57E-09	3.46E-06	3.93E-10	1.54E-10
485363.09, 3848877.25	0.00093	0.00018837	2.14E-08	8.39E-09	3.39E-06	3.85E-10	1.51E-10
485863.09, 3848877.25	0.00087	0.00017622	2.00E-08	7.85E-09	3.17E-06	3.60E-10	1.41E-10
486363.09, 3848877.25	0.00081	0.00016407	1.86E-08	7.31E-09	2.95E-06	3.35E-10	1.32E-10
486863.09, 3848877.25	0.00079	0.00016002	1.81E-08	7.13E-09	2.88E-06	3.27E-10	1.28E-10
487363.09, 3848877.25	0.00079	0.00016002	1.81E-08	7.13E-09	2.88E-06	3.27E-10	1.28E-10
487863.09, 3848877.25	0.00076	0.00015394	1.75E-08	6.86E-09	2.77E-06	3.14E-10	1.23E-10
488363.09, 3848877.25	0.00074	0.00014989	1.70E-08	6.68E-09	2.70E-06	3.06E-10	1.20E-10
488863.09, 3848877.25	0.00073	0.00014786	1.68E-08	6.59E-09	2.66E-06	3.02E-10	1.19E-10
489363.09, 3848877.25	0.00072	0.00014584	1.65E-08	6.50E-09	2.63E-06	2.98E-10	1.17E-10
489863.09, 3848877.25	0.00072	0.00014584	1.65E-08	6.50E-09	2.63E-06	2.98E-10	1.17E-10
490363.09, 3848877.25	0.00073	0.00014786	1.68E-08	6.59E-09	2.66E-06	3.02E-10	1.19E-10
490863.09, 3848877.25	0.00072	0.00014584	1.65E-08	6.50E-09	2.63E-06	2.98E-10	1.17E-10
491363.09, 3848877.25	0.00068	0.00013774	1.56E-08	6.14E-09	2.48E-06	2.81E-10	1.10E-10
491863.09, 3848877.25	0.00061	0.00012356	1.40E-08	5.51E-09	2.22E-06	2.52E-10	9.91E-11
492363.09, 3848877.25	0.00056	0.00011343	1.29E-08	5.05E-09	2.04E-06	2.32E-10	9.10E-11
492863.09, 3848877.25	0.00052	0.00010533	1.19E-08	4.69E-09	1.90E-06	2.15E-10	8.45E-11
493363.09, 3848877.25	0.00049	9.9251E-05	1.13E-08	4.42E-09	1.79E-06	2.03E-10	7.96E-11
493863.09, 3848877.25	0.00048	9.7226E-05	1.10E-08	4.33E-09	1.75E-06	1.99E-10	7.80E-11
494363.09, 3848877.25	0.00045	9.1149E-05	1.03E-08	4.06E-09	1.64E-06	1.86E-10	7.31E-11
494863.09, 3848877.25	0.00043	8.7098E-05	9.88E-09	3.88E-09	1.57E-06	1.78E-10	6.99E-11
495363.09, 3848877.25	0.00043	8.7098E-05	9.88E-09	3.88E-09	1.57E-06	1.78E-10	6.99E-11
495863.09, 3848877.25	0.00041	8.3047E-05	9.42E-09	3.70E-09	1.50E-06	1.70E-10	6.66E-11
496363.09, 3848877.25	0.0004	8.1021E-05	9.19E-09	3.61E-09	1.46E-06	1.65E-10	6.50E-11
496863.09, 3848877.25	0.00042	8.5073E-05	9.65E-09	3.79E-09	1.53E-06	1.74E-10	6.82E-11
497363.09, 3848877.25	0.00046	9.3175E-05	1.06E-08	4.15E-09	1.68E-06	1.90E-10	7.47E-11
497863.09, 3848877.25	0.00049	9.9251E-05	1.13E-08	4.42E-09	1.79E-06	2.03E-10	7.96E-11
498363.09, 3848877.25	0.0005	0.00010128	1.15E-08	4.51E-09	1.82E-06	2.07E-10	8.12E-11
471363.09, 3849377.25	0.00129	0.00026129	2.96E-08	1.16E-08	4.70E-06	5.34E-10	2.10E-10
471863.09, 3849377.25	0.00156	0.00031598	3.58E-08	1.41E-08	5.69E-06	6.45E-10	2.53E-10
472363.09, 3849377.25	0.00171	0.00034637	3.93E-08	1.54E-08	6.24E-06	7.07E-10	2.78E-10
472863.09, 3849377.25	0.00182	0.00036865	4.18E-08	1.64E-08	6.64E-06	7.53E-10	2.96E-10
473363.09, 3849377.25	0.00189	0.00038283	4.34E-08	1.71E-08	6.89E-06	7.82E-10	3.07E-10
473863.09, 3849377.25	0.00194	0.00039295	4.46E-08	1.75E-08	7.07E-06	8.02E-10	3.15E-10
474363.09, 3849377.25	0.00189	0.00038283	4.34E-08	1.71E-08	6.89E-06	7.82E-10	3.07E-10
474863.09, 3849377.25	0.00178	0.00036055	4.09E-08	1.61E-08	6.49E-06	7.36E-10	2.89E-10
475363.09, 3849377.25	0.00171	0.00034637	3.93E-08	1.54E-08	6.24E-06	7.07E-10	2.78E-10
475863.09, 3849377.25	0.00188	0.0003808	4.32E-08	1.70E-08	6.86E-06	7.78E-10	3.05E-10
476363.09, 3849377.25	0.00203	0.00041118	4.66E-08	1.83E-08	7.40E-06	8.40E-10	3.30E-10
476863.09, 3849377.25	0.00209	0.00042334	4.80E-08	1.89E-08	7.62E-06	8.64E-10	3.40E-10
477363.09, 3849377.25	0.00208	0.00042131	4.78E-08	1.88E-08	7.59E-06	8.60E-10	3.38E-10
477863.09, 3849377.25	0.00203	0.00041118	4.66E-08	1.83E-08	7.40E-06	8.40E-10	3.30E-10
478363.09, 3849377.25	0.00195	0.00039498	4.48E-08	1.76E-08	7.11E-06	8.07E-10	3.17E-10
478863.09, 3849377.25	0.00166	0.00033624	3.81E-08	1.50E-08	6.05E-06	6.87E-10	2.70E-10
479363.09, 3849377.25	0.00155	0.00031396	3.56E-08	1.40E-08	5.65E-06	6.41E-10	2.52E-10
479863.09, 3849377.25	0.00135	0.00027345	3.10E-08	1.22E-08	4.92E-06	5.58E-10	2.19E-10
480363.09, 3849377.25	0.0015	0.00030383	3.45E-08	1.35E-08	5.47E-06	6.20E-10	2.44E-10
480863.09, 3849377.25	0.00147	0.00029775	3.38E-08	1.33E-08	5.36E-06	6.08E-10	2.39E-10
481363.09, 3849377.25	0.00137	0.0002775	3.15E-08	1.24E-08	5.00E-06	5.67E-10	2.23E-10
481863.09, 3849377.25	0.00119	0.00024104	2.73E-08	1.07E-08	4.34E-06	4.92E-10	1.93E-10
482363.09, 3849377.25	0.00116	0.00023496	2.67E-08	1.05E-08	4.23E-06	4.80E-10	1.88E-10
482863.09, 3849377.25	0.00109	0.00022078	2.50E-08	9.84E-09	3.97E-06	4.51E-10	1.77E-10
483363.09, 3849377.25	0.00102	0.0002066	2.34E-08	9.21E-09	3.72E-06	4.22E-10	1.66E-10
483863.09, 3849377.25	0.00092	0.00018635	2.11E-08	8.30E-09	3.35E-06	3.81E-10	1.49E-10
484363.09, 3849377.25	0.00097	0.00019648	2.23E-08	8.75E-09	3.54E-06	4.01E-10	1.58E-10
484863.09, 3849377.25	0.00102	0.0002066	2.34E-08	9.21E-09	3.72E-06	4.22E-10	1.66E-10
485363.09, 3849377.25	0.00102	0.0002066	2.34E-08	9.21E-09	3.72E-06	4.22E-10	1.66E-10

485863.09, 3849377.25	0.00092	0.00018635	2.11E-08	8.30E-09	3.35E-06	3.81E-10	1.49E-10
486363.09, 3849377.25	0.00083	0.00016812	1.91E-08	7.49E-09	3.03E-06	3.43E-10	1.35E-10
486863.09, 3849377.25	0.00083	0.00016812	1.91E-08	7.49E-09	3.03E-06	3.43E-10	1.35E-10
487363.09, 3849377.25	0.00083	0.00016812	1.91E-08	7.49E-09	3.03E-06	3.43E-10	1.35E-10
487863.09, 3849377.25	0.00083	0.00016812	1.91E-08	7.49E-09	3.03E-06	3.43E-10	1.35E-10
488363.09, 3849377.25	0.00081	0.00016407	1.86E-08	7.31E-09	2.95E-06	3.35E-10	1.32E-10
488863.09, 3849377.25	0.00079	0.00016002	1.81E-08	7.13E-09	2.88E-06	3.27E-10	1.28E-10
489363.09, 3849377.25	0.00077	0.00015597	1.77E-08	6.95E-09	2.81E-06	3.18E-10	1.25E-10
489863.09, 3849377.25	0.00076	0.00015394	1.75E-08	6.86E-09	2.77E-06	3.14E-10	1.23E-10
490363.09, 3849377.25	0.00076	0.00015394	1.75E-08	6.86E-09	2.77E-06	3.14E-10	1.23E-10
490863.09, 3849377.25	0.00076	0.00015394	1.75E-08	6.86E-09	2.77E-06	3.14E-10	1.23E-10
491363.09, 3849377.25	0.00074	0.00014989	1.70E-08	6.68E-09	2.70E-06	3.06E-10	1.20E-10
491863.09, 3849377.25	0.00066	0.00013369	1.52E-08	5.96E-09	2.41E-06	2.73E-10	1.07E-10
492363.09, 3849377.25	0.0006	0.00012153	1.38E-08	5.42E-09	2.19E-06	2.48E-10	9.75E-11
492863.09, 3849377.25	0.00055	0.0001114	1.26E-08	4.96E-09	2.01E-06	2.27E-10	8.94E-11
493363.09, 3849377.25	0.00052	0.00010533	1.19E-08	4.69E-09	1.90E-06	2.15E-10	8.45E-11
493863.09, 3849377.25	0.0005	0.00010128	1.15E-08	4.51E-09	1.82E-06	2.07E-10	8.12E-11
494363.09, 3849377.25	0.00048	9.7226E-05	1.10E-08	4.33E-09	1.75E-06	1.99E-10	7.80E-11
494863.09, 3849377.25	0.00049	9.9251E-05	1.13E-08	4.42E-09	1.79E-06	2.03E-10	7.96E-11
495363.09, 3849377.25	0.00049	9.9251E-05	1.13E-08	4.42E-09	1.79E-06	2.03E-10	7.96E-11
495863.09, 3849377.25	0.00042	8.5073E-05	9.65E-09	3.79E-09	1.53E-06	1.74E-10	6.82E-11
496363.09, 3849377.25	0.00041	8.3047E-05	9.42E-09	3.70E-09	1.50E-06	1.70E-10	6.66E-11
496863.09, 3849377.25	0.00046	9.3175E-05	1.06E-08	4.15E-09	1.68E-06	1.90E-10	7.47E-11
497363.09, 3849377.25	0.00048	9.7226E-05	1.10E-08	4.33E-09	1.75E-06	1.99E-10	7.80E-11
497863.09, 3849377.25	0.00054	0.00010938	1.24E-08	4.87E-09	1.97E-06	2.23E-10	8.77E-11
498363.09, 3849377.25	0.00052	0.00010533	1.19E-08	4.69E-09	1.90E-06	2.15E-10	8.45E-11
471363.09, 3849877.25	0.00104	0.00021066	2.39E-08	9.39E-09	3.79E-06	4.30E-10	1.69E-10
471863.09, 3849877.25	0.00126	0.00025522	2.89E-08	1.14E-08	4.59E-06	5.21E-10	2.05E-10
472363.09, 3849877.25	0.00153	0.00030991	3.52E-08	1.38E-08	5.58E-06	6.33E-10	2.49E-10
472863.09, 3849877.25	0.00176	0.00035649	4.04E-08	1.59E-08	6.42E-06	7.28E-10	2.86E-10
473363.09, 3849877.25	0.00187	0.00037878	4.30E-08	1.69E-08	6.82E-06	7.73E-10	3.04E-10
473863.09, 3849877.25	0.002	0.00040511	4.59E-08	1.81E-08	7.29E-06	8.27E-10	3.25E-10
474363.09, 3849877.25	0.00211	0.00042739	4.85E-08	1.90E-08	7.69E-06	8.73E-10	3.43E-10
474863.09, 3849877.25	0.00214	0.00043346	4.92E-08	1.93E-08	7.80E-06	8.85E-10	3.48E-10
475363.09, 3849877.25	0.00199	0.00040308	4.57E-08	1.80E-08	7.26E-06	8.23E-10	3.23E-10
475863.09, 3849877.25	0.00192	0.0003889	4.41E-08	1.73E-08	7.00E-06	7.94E-10	3.12E-10
476363.09, 3849877.25	0.00198	0.00040106	4.55E-08	1.79E-08	7.22E-06	8.19E-10	3.22E-10
476863.09, 3849877.25	0.0022	0.00044562	5.05E-08	1.99E-08	8.02E-06	9.10E-10	3.57E-10
477363.09, 3849877.25	0.00246	0.00049828	5.65E-08	2.22E-08	8.97E-06	1.02E-09	4.00E-10
477863.09, 3849877.25	0.00247	0.00050031	5.67E-08	2.23E-08	9.01E-06	1.02E-09	4.01E-10
478363.09, 3849877.25	0.00241	0.00048815	5.54E-08	2.18E-08	8.79E-06	9.97E-10	3.92E-10
478863.09, 3849877.25	0.00235	0.000476	5.40E-08	2.12E-08	8.57E-06	9.72E-10	3.82E-10
479363.09, 3849877.25	0.00197	0.00039903	4.53E-08	1.78E-08	7.18E-06	8.15E-10	3.20E-10
479863.09, 3849877.25	0.00189	0.00038283	4.34E-08	1.71E-08	6.89E-06	7.82E-10	3.07E-10
480363.09, 3849877.25	0.00166	0.00033624	3.81E-08	1.50E-08	6.05E-06	6.87E-10	2.70E-10
480863.09, 3849877.25	0.00148	0.00029978	3.40E-08	1.34E-08	5.40E-06	6.12E-10	2.40E-10
481363.09, 3849877.25	0.00142	0.00028763	3.26E-08	1.28E-08	5.18E-06	5.87E-10	2.31E-10
481863.09, 3849877.25	0.00118	0.00023901	2.71E-08	1.07E-08	4.30E-06	4.88E-10	1.92E-10
482363.09, 3849877.25	0.00113	0.00022889	2.60E-08	1.02E-08	4.12E-06	4.67E-10	1.84E-10
482863.09, 3849877.25	0.00112	0.00022686	2.57E-08	1.01E-08	4.08E-06	4.63E-10	1.82E-10
483363.09, 3849877.25	0.00108	0.00021876	2.48E-08	9.75E-09	3.94E-06	4.47E-10	1.75E-10
483863.09, 3849877.25	0.00105	0.00021268	2.41E-08	9.48E-09	3.83E-06	4.34E-10	1.71E-10
484363.09, 3849877.25	0.00108	0.00021876	2.48E-08	9.75E-09	3.94E-06	4.47E-10	1.75E-10
484863.09, 3849877.25	0.00115	0.00023294	2.64E-08	1.04E-08	4.19E-06	4.76E-10	1.87E-10
485363.09, 3849877.25	0.00109	0.00022078	2.50E-08	9.84E-09	3.97E-06	4.51E-10	1.77E-10
485863.09, 3849877.25	0.00103	0.00020863	2.37E-08	9.30E-09	3.76E-06	4.26E-10	1.67E-10
486363.09, 3849877.25	0.00097	0.00019648	2.23E-08	8.75E-09	3.54E-06	4.01E-10	1.58E-10
486863.09, 3849877.25	0.00093	0.00018837	2.14E-08	8.39E-09	3.39E-06	3.85E-10	1.51E-10
487363.09, 3849877.25	0.00089	0.00018027	2.04E-08	8.03E-09	3.25E-06	3.68E-10	1.45E-10
487863.09, 3849877.25	0.00089	0.00018027	2.04E-08	8.03E-09	3.25E-06	3.68E-10	1.45E-10
488363.09, 3849877.25	0.00088	0.00017825	2.02E-08	7.94E-09	3.21E-06	3.64E-10	1.43E-10

488863.09, 3849877.25	0.00086	0.0001742	1.98E-08	7.76E-09	3.14E-06	3.56E-10	1.40E-10
489363.09, 3849877.25	0.00083	0.00016812	1.91E-08	7.49E-09	3.03E-06	3.43E-10	1.35E-10
489863.09, 3849877.25	0.00081	0.00016407	1.86E-08	7.31E-09	2.95E-06	3.35E-10	1.32E-10
490363.09, 3849877.25	0.0008	0.00016204	1.84E-08	7.22E-09	2.92E-06	3.31E-10	1.30E-10
490863.09, 3849877.25	0.00081	0.00016407	1.86E-08	7.31E-09	2.95E-06	3.35E-10	1.32E-10
491363.09, 3849877.25	0.0008	0.00016204	1.84E-08	7.22E-09	2.92E-06	3.31E-10	1.30E-10
491863.09, 3849877.25	0.00072	0.00014584	1.65E-08	6.50E-09	2.63E-06	2.98E-10	1.17E-10
492363.09, 3849877.25	0.00065	0.00013166	1.49E-08	5.87E-09	2.37E-06	2.69E-10	1.06E-10
492863.09, 3849877.25	0.0006	0.00012153	1.38E-08	5.42E-09	2.19E-06	2.48E-10	9.75E-11
493363.09, 3849877.25	0.00057	0.00011546	1.31E-08	5.14E-09	2.08E-06	2.36E-10	9.26E-11
493863.09, 3849877.25	0.00053	0.00010735	1.22E-08	4.78E-09	1.93E-06	2.19E-10	8.61E-11
494363.09, 3849877.25	0.00057	0.00011546	1.31E-08	5.14E-09	2.08E-06	2.36E-10	9.26E-11
494863.09, 3849877.25	0.00056	0.00011343	1.29E-08	5.05E-09	2.04E-06	2.32E-10	9.10E-11
495363.09, 3849877.25	0.00051	0.0001033	1.17E-08	4.60E-09	1.86E-06	2.11E-10	8.29E-11
495863.09, 3849877.25	0.00053	0.00010735	1.22E-08	4.78E-09	1.93E-06	2.19E-10	8.61E-11
496363.09, 3849877.25	0.00053	0.00010735	1.22E-08	4.78E-09	1.93E-06	2.19E-10	8.61E-11
496863.09, 3849877.25	0.00051	0.0001033	1.17E-08	4.60E-09	1.86E-06	2.11E-10	8.29E-11
497363.09, 3849877.25	0.00055	0.0001114	1.26E-08	4.96E-09	2.01E-06	2.27E-10	8.94E-11
497863.09, 3849877.25	0.00057	0.00011546	1.31E-08	5.14E-09	2.08E-06	2.36E-10	9.26E-11
498363.09, 3849877.25	0.00055	0.0001114	1.26E-08	4.96E-09	2.01E-06	2.27E-10	8.94E-11
471363.09, 3850377.25	0.00091	0.00018432	2.09E-08	8.21E-09	3.32E-06	3.76E-10	1.48E-10
471863.09, 3850377.25	0.00107	0.00021673	2.46E-08	9.66E-09	3.90E-06	4.43E-10	1.74E-10
472363.09, 3850377.25	0.00118	0.00023901	2.71E-08	1.07E-08	4.30E-06	4.88E-10	1.92E-10
472863.09, 3850377.25	0.00149	0.0003018	3.42E-08	1.34E-08	5.43E-06	6.16E-10	2.42E-10
473363.09, 3850377.25	0.00161	0.00032611	3.70E-08	1.45E-08	5.87E-06	6.66E-10	2.62E-10
473863.09, 3850377.25	0.00185	0.00037472	4.25E-08	1.67E-08	6.75E-06	7.65E-10	3.01E-10
474363.09, 3850377.25	0.00206	0.00041726	4.73E-08	1.86E-08	7.51E-06	8.52E-10	3.35E-10
474863.09, 3850377.25	0.00222	0.00044967	5.10E-08	2.00E-08	8.10E-06	9.18E-10	3.61E-10
475363.09, 3850377.25	0.00235	0.000476	5.40E-08	2.12E-08	8.57E-06	9.72E-10	3.82E-10
475863.09, 3850377.25	0.00232	0.00046992	5.33E-08	2.09E-08	8.46E-06	9.60E-10	3.77E-10
476363.09, 3850377.25	0.00216	0.00043752	4.96E-08	1.95E-08	7.88E-06	8.93E-10	3.51E-10
476863.09, 3850377.25	0.00212	0.00042941	4.87E-08	1.91E-08	7.73E-06	8.77E-10	3.44E-10
477363.09, 3850377.25	0.00232	0.00046992	5.33E-08	2.09E-08	8.46E-06	9.60E-10	3.77E-10
477863.09, 3850377.25	0.00251	0.00050841	5.77E-08	2.27E-08	9.15E-06	1.04E-09	4.08E-10
478363.09, 3850377.25	0.00256	0.00051854	5.88E-08	2.31E-08	9.34E-06	1.06E-09	4.16E-10
478863.09, 3850377.25	0.00292	0.00059146	6.71E-08	2.64E-08	1.06E-05	1.21E-09	4.74E-10
479363.09, 3850377.25	0.00291	0.00058943	6.69E-08	2.63E-08	1.06E-05	1.20E-09	4.73E-10
479863.09, 3850377.25	0.00236	0.00047803	5.42E-08	2.13E-08	8.61E-06	9.76E-10	3.83E-10
480363.09, 3850377.25	0.0021	0.00042536	4.82E-08	1.90E-08	7.66E-06	8.69E-10	3.41E-10
480863.09, 3850377.25	0.00211	0.00042739	4.85E-08	1.90E-08	7.69E-06	8.73E-10	3.43E-10
481363.09, 3850377.25	0.00152	0.00030788	3.49E-08	1.37E-08	5.54E-06	6.29E-10	2.47E-10
481863.09, 3850377.25	0.0015	0.00030383	3.45E-08	1.35E-08	5.47E-06	6.20E-10	2.44E-10
482363.09, 3850377.25	0.00146	0.00029573	3.35E-08	1.32E-08	5.32E-06	6.04E-10	2.37E-10
482863.09, 3850377.25	0.00126	0.00025522	2.89E-08	1.14E-08	4.59E-06	5.21E-10	2.05E-10
483363.09, 3850377.25	0.00121	0.00024509	2.78E-08	1.09E-08	4.41E-06	5.00E-10	1.97E-10
483863.09, 3850377.25	0.00126	0.00025522	2.89E-08	1.14E-08	4.59E-06	5.21E-10	2.05E-10
484363.09, 3850377.25	0.00129	0.00026129	2.96E-08	1.16E-08	4.70E-06	5.34E-10	2.10E-10
484863.09, 3850377.25	0.00131	0.00026535	3.01E-08	1.18E-08	4.78E-06	5.42E-10	2.13E-10
485363.09, 3850377.25	0.00123	0.00024914	2.83E-08	1.11E-08	4.49E-06	5.09E-10	2.00E-10
485863.09, 3850377.25	0.00115	0.00023294	2.64E-08	1.04E-08	4.19E-06	4.76E-10	1.87E-10
486363.09, 3850377.25	0.00114	0.00023091	2.62E-08	1.03E-08	4.16E-06	4.72E-10	1.85E-10
486863.09, 3850377.25	0.00108	0.00021876	2.48E-08	9.75E-09	3.94E-06	4.47E-10	1.75E-10
487363.09, 3850377.25	0.00098	0.0001985	2.25E-08	8.85E-09	3.57E-06	4.05E-10	1.59E-10
487863.09, 3850377.25	0.00095	0.00019243	2.18E-08	8.57E-09	3.46E-06	3.93E-10	1.54E-10
488363.09, 3850377.25	0.00095	0.00019243	2.18E-08	8.57E-09	3.46E-06	3.93E-10	1.54E-10
488863.09, 3850377.25	0.00094	0.0001904	2.16E-08	8.48E-09	3.43E-06	3.89E-10	1.53E-10
489363.09, 3850377.25	0.0009	0.0001823	2.07E-08	8.12E-09	3.28E-06	3.72E-10	1.46E-10
489863.09, 3850377.25	0.00087	0.00017622	2.00E-08	7.85E-09	3.17E-06	3.60E-10	1.41E-10
490363.09, 3850377.25	0.00085	0.00017217	1.95E-08	7.67E-09	3.10E-06	3.52E-10	1.38E-10
490863.09, 3850377.25	0.00086	0.0001742	1.98E-08	7.76E-09	3.14E-06	3.56E-10	1.40E-10
491363.09, 3850377.25	0.00086	0.0001742	1.98E-08	7.76E-09	3.14E-06	3.56E-10	1.40E-10

491863.09, 3850377.25	0.00079	0.00016002	1.81E-08	7.13E-09	2.88E-06	3.27E-10	1.28E-10
492363.09, 3850377.25	0.0007	0.00014179	1.61E-08	6.32E-09	2.55E-06	2.90E-10	1.14E-10
492863.09, 3850377.25	0.00065	0.00013166	1.49E-08	5.87E-09	2.37E-06	2.69E-10	1.06E-10
493363.09, 3850377.25	0.00062	0.00012558	1.42E-08	5.60E-09	2.26E-06	2.56E-10	1.01E-10
493863.09, 3850377.25	0.00064	0.00012963	1.47E-08	5.78E-09	2.33E-06	2.65E-10	1.04E-10
494363.09, 3850377.25	0.00062	0.00012558	1.42E-08	5.60E-09	2.26E-06	2.56E-10	1.01E-10
494863.09, 3850377.25	0.00061	0.00012356	1.40E-08	5.51E-09	2.22E-06	2.52E-10	9.91E-11
495363.09, 3850377.25	0.00061	0.00012356	1.40E-08	5.51E-09	2.22E-06	2.52E-10	9.91E-11
495863.09, 3850377.25	0.00059	0.00011951	1.36E-08	5.33E-09	2.15E-06	2.44E-10	9.59E-11
496363.09, 3850377.25	0.00059	0.00011951	1.36E-08	5.33E-09	2.15E-06	2.44E-10	9.59E-11
496863.09, 3850377.25	0.00059	0.00011951	1.36E-08	5.33E-09	2.15E-06	2.44E-10	9.59E-11
497363.09, 3850377.25	0.00059	0.00011951	1.36E-08	5.33E-09	2.15E-06	2.44E-10	9.59E-11
497863.09, 3850377.25	0.0006	0.00012153	1.38E-08	5.42E-09	2.19E-06	2.48E-10	9.75E-11
498363.09, 3850377.25	0.00058	0.00011748	1.33E-08	5.23E-09	2.12E-06	2.40E-10	9.42E-11
471363.09, 3850877.25	0.00102	0.0002066	2.34E-08	9.21E-09	3.72E-06	4.22E-10	1.66E-10
471863.09, 3850877.25	0.00107	0.00021673	2.46E-08	9.66E-09	3.90E-06	4.43E-10	1.74E-10
472363.09, 3850877.25	0.00116	0.00023496	2.67E-08	1.05E-08	4.23E-06	4.80E-10	1.88E-10
472863.09, 3850877.25	0.00137	0.0002775	3.15E-08	1.24E-08	5.00E-06	5.67E-10	2.23E-10
473363.09, 3850877.25	0.0013	0.00026332	2.99E-08	1.17E-08	4.74E-06	5.38E-10	2.11E-10
473863.09, 3850877.25	0.00152	0.00030788	3.49E-08	1.37E-08	5.54E-06	6.29E-10	2.47E-10
474363.09, 3850877.25	0.00191	0.00038688	4.39E-08	1.72E-08	6.97E-06	7.90E-10	3.10E-10
474863.09, 3850877.25	0.00211	0.00042739	4.85E-08	1.90E-08	7.69E-06	8.73E-10	3.43E-10
475363.09, 3850877.25	0.0023	0.00046587	5.28E-08	2.08E-08	8.39E-06	9.51E-10	3.74E-10
475863.09, 3850877.25	0.00249	0.00050436	5.72E-08	2.25E-08	9.08E-06	1.03E-09	4.05E-10
476363.09, 3850877.25	0.0026	0.00052664	5.97E-08	2.35E-08	9.48E-06	1.08E-09	4.22E-10
476863.09, 3850877.25	0.00254	0.00051449	5.84E-08	2.29E-08	9.26E-06	1.05E-09	4.13E-10
477363.09, 3850877.25	0.00244	0.00049423	5.61E-08	2.20E-08	8.90E-06	1.01E-09	3.96E-10
477863.09, 3850877.25	0.0025	0.00050638	5.74E-08	2.26E-08	9.12E-06	1.03E-09	4.06E-10
478363.09, 3850877.25	0.0027	0.00054689	6.20E-08	2.44E-08	9.85E-06	1.12E-09	4.39E-10
478863.09, 3850877.25	0.0031	0.00062792	7.12E-08	2.80E-08	1.13E-05	1.28E-09	5.04E-10
479363.09, 3850877.25	0.00335	0.00067855	7.70E-08	3.02E-08	1.22E-05	1.39E-09	5.44E-10
479863.09, 3850877.25	0.00316	0.00064007	7.26E-08	2.85E-08	1.15E-05	1.31E-09	5.13E-10
480363.09, 3850877.25	0.00314	0.00063602	7.21E-08	2.83E-08	1.15E-05	1.30E-09	5.10E-10
480863.09, 3850877.25	0.00271	0.00054892	6.23E-08	2.45E-08	9.88E-06	1.12E-09	4.40E-10
481363.09, 3850877.25	0.00247	0.00050031	5.67E-08	2.23E-08	9.01E-06	1.02E-09	4.01E-10
481863.09, 3850877.25	0.00214	0.00043346	4.92E-08	1.93E-08	7.80E-06	8.85E-10	3.48E-10
482363.09, 3850877.25	0.00176	0.00035649	4.04E-08	1.59E-08	6.42E-06	7.28E-10	2.86E-10
482863.09, 3850877.25	0.00156	0.00031598	3.58E-08	1.41E-08	5.69E-06	6.45E-10	2.53E-10
483363.09, 3850877.25	0.00141	0.0002856	3.24E-08	1.27E-08	5.14E-06	5.83E-10	2.29E-10
483863.09, 3850877.25	0.00146	0.00029573	3.35E-08	1.32E-08	5.32E-06	6.04E-10	2.37E-10
484363.09, 3850877.25	0.00157	0.00031801	3.61E-08	1.42E-08	5.73E-06	6.49E-10	2.55E-10
484863.09, 3850877.25	0.00147	0.00029775	3.38E-08	1.33E-08	5.36E-06	6.08E-10	2.39E-10
485363.09, 3850877.25	0.00142	0.00028763	3.26E-08	1.28E-08	5.18E-06	5.87E-10	2.31E-10
485863.09, 3850877.25	0.00126	0.00025522	2.89E-08	1.14E-08	4.59E-06	5.21E-10	2.05E-10
486363.09, 3850877.25	0.00125	0.00025319	2.87E-08	1.13E-08	4.56E-06	5.17E-10	2.03E-10
486863.09, 3850877.25	0.00122	0.00024712	2.80E-08	1.10E-08	4.45E-06	5.05E-10	1.98E-10
487363.09, 3850877.25	0.00113	0.00022889	2.60E-08	1.02E-08	4.12E-06	4.67E-10	1.84E-10
487863.09, 3850877.25	0.00103	0.00020863	2.37E-08	9.30E-09	3.76E-06	4.26E-10	1.67E-10
488363.09, 3850877.25	0.00101	0.00020458	2.32E-08	9.12E-09	3.68E-06	4.18E-10	1.64E-10
488863.09, 3850877.25	0.00102	0.0002066	2.34E-08	9.21E-09	3.72E-06	4.22E-10	1.66E-10
489363.09, 3850877.25	0.001	0.00020255	2.30E-08	9.03E-09	3.65E-06	4.14E-10	1.62E-10
489863.09, 3850877.25	0.00094	0.0001904	2.16E-08	8.48E-09	3.43E-06	3.89E-10	1.53E-10
490363.09, 3850877.25	0.00092	0.00018635	2.11E-08	8.30E-09	3.35E-06	3.81E-10	1.49E-10
490863.09, 3850877.25	0.00092	0.00018635	2.11E-08	8.30E-09	3.35E-06	3.81E-10	1.49E-10
491363.09, 3850877.25	0.00093	0.00018837	2.14E-08	8.39E-09	3.39E-06	3.85E-10	1.51E-10
491863.09, 3850877.25	0.00088	0.00017825	2.02E-08	7.94E-09	3.21E-06	3.64E-10	1.43E-10
492363.09, 3850877.25	0.00079	0.00016002	1.81E-08	7.13E-09	2.88E-06	3.27E-10	1.28E-10
492863.09, 3850877.25	0.00073	0.00014786	1.68E-08	6.59E-09	2.66E-06	3.02E-10	1.19E-10
493363.09, 3850877.25	0.0007	0.00014179	1.61E-08	6.32E-09	2.55E-06	2.90E-10	1.14E-10
493863.09, 3850877.25	0.00073	0.00014786	1.68E-08	6.59E-09	2.66E-06	3.02E-10	1.19E-10
494363.09, 3850877.25	0.00071	0.00014381	1.63E-08	6.41E-09	2.59E-06	2.94E-10	1.15E-10

494863.09, 3850877.25	0.00069	0.00013976	1.59E-08	6.23E-09	2.52E-06	2.85E-10	1.12E-10
495363.09, 3850877.25	0.00067	0.00013571	1.54E-08	6.05E-09	2.44E-06	2.77E-10	1.09E-10
495863.09, 3850877.25	0.00066	0.00013369	1.52E-08	5.96E-09	2.41E-06	2.73E-10	1.07E-10
496363.09, 3850877.25	0.00065	0.00013166	1.49E-08	5.87E-09	2.37E-06	2.69E-10	1.06E-10
496863.09, 3850877.25	0.00064	0.00012963	1.47E-08	5.78E-09	2.33E-06	2.65E-10	1.04E-10
497363.09, 3850877.25	0.00064	0.00012963	1.47E-08	5.78E-09	2.33E-06	2.65E-10	1.04E-10
497863.09, 3850877.25	0.00064	0.00012963	1.47E-08	5.78E-09	2.33E-06	2.65E-10	1.04E-10
498363.09, 3850877.25	0.00061	0.00012356	1.40E-08	5.51E-09	2.22E-06	2.52E-10	9.91E-11
471363.09, 3851377.25	0.00114	0.00023091	2.62E-08	1.03E-08	4.16E-06	4.72E-10	1.85E-10
471863.09, 3851377.25	0.00127	0.00025724	2.92E-08	1.15E-08	4.63E-06	5.25E-10	2.06E-10
472363.09, 3851377.25	0.00123	0.00024914	2.83E-08	1.11E-08	4.49E-06	5.09E-10	2.00E-10
472863.09, 3851377.25	0.00122	0.00024712	2.80E-08	1.10E-08	4.45E-06	5.05E-10	1.98E-10
473363.09, 3851377.25	0.00115	0.00023294	2.64E-08	1.04E-08	4.19E-06	4.76E-10	1.87E-10
473863.09, 3851377.25	0.0012	0.00024306	2.76E-08	1.08E-08	4.38E-06	4.96E-10	1.95E-10
474363.09, 3851377.25	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
474863.09, 3851377.25	0.00172	0.00034839	3.95E-08	1.55E-08	6.27E-06	7.11E-10	2.79E-10
475363.09, 3851377.25	0.00203	0.00041118	4.66E-08	1.83E-08	7.40E-06	8.40E-10	3.30E-10
475863.09, 3851377.25	0.00225	0.00045575	5.17E-08	2.03E-08	8.20E-06	9.31E-10	3.66E-10
476363.09, 3851377.25	0.00245	0.00049626	5.63E-08	2.21E-08	8.93E-06	1.01E-09	3.98E-10
476863.09, 3851377.25	0.00245	0.00049626	5.63E-08	2.21E-08	8.93E-06	1.01E-09	3.98E-10
477363.09, 3851377.25	0.00283	0.00057323	6.50E-08	2.55E-08	1.03E-05	1.17E-09	4.60E-10
477863.09, 3851377.25	0.00278	0.0005631	6.39E-08	2.51E-08	1.01E-05	1.15E-09	4.52E-10
478363.09, 3851377.25	0.00265	0.00053677	6.09E-08	2.39E-08	9.66E-06	1.10E-09	4.31E-10
478863.09, 3851377.25	0.00284	0.00057525	6.52E-08	2.56E-08	1.04E-05	1.17E-09	4.61E-10
479363.09, 3851377.25	0.00316	0.00064007	7.26E-08	2.85E-08	1.15E-05	1.31E-09	5.13E-10
479863.09, 3851377.25	0.00366	0.00074135	8.41E-08	3.30E-08	1.33E-05	1.51E-09	5.95E-10
480363.09, 3851377.25	0.00394	0.00079806	9.05E-08	3.56E-08	1.44E-05	1.63E-09	6.40E-10
480863.09, 3851377.25	0.00379	0.00076768	8.71E-08	3.42E-08	1.38E-05	1.57E-09	6.16E-10
481363.09, 3851377.25	0.00324	0.00065627	7.44E-08	2.92E-08	1.18E-05	1.34E-09	5.26E-10
481863.09, 3851377.25	0.00267	0.00054082	6.13E-08	2.41E-08	9.74E-06	1.10E-09	4.34E-10
482363.09, 3851377.25	0.00239	0.0004841	5.49E-08	2.16E-08	8.72E-06	9.89E-10	3.88E-10
482863.09, 3851377.25	0.00189	0.00038283	4.34E-08	1.71E-08	6.89E-06	7.82E-10	3.07E-10
483363.09, 3851377.25	0.00168	0.00034029	3.86E-08	1.52E-08	6.13E-06	6.95E-10	2.73E-10
483863.09, 3851377.25	0.00162	0.00032814	3.72E-08	1.46E-08	5.91E-06	6.70E-10	2.63E-10
484363.09, 3851377.25	0.0019	0.00038485	4.37E-08	1.71E-08	6.93E-06	7.86E-10	3.09E-10
484863.09, 3851377.25	0.0016	0.00032409	3.68E-08	1.44E-08	5.83E-06	6.62E-10	2.60E-10
485363.09, 3851377.25	0.00166	0.00033624	3.81E-08	1.50E-08	6.05E-06	6.87E-10	2.70E-10
485863.09, 3851377.25	0.00145	0.0002937	3.33E-08	1.31E-08	5.29E-06	6.00E-10	2.36E-10
486363.09, 3851377.25	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
486863.09, 3851377.25	0.00135	0.00027345	3.10E-08	1.22E-08	4.92E-06	5.58E-10	2.19E-10
487363.09, 3851377.25	0.00125	0.00025319	2.87E-08	1.13E-08	4.56E-06	5.17E-10	2.03E-10
487863.09, 3851377.25	0.00118	0.00023901	2.71E-08	1.07E-08	4.30E-06	4.88E-10	1.92E-10
488363.09, 3851377.25	0.00109	0.00022078	2.50E-08	9.84E-09	3.97E-06	4.51E-10	1.77E-10
488863.09, 3851377.25	0.00109	0.00022078	2.50E-08	9.84E-09	3.97E-06	4.51E-10	1.77E-10
489363.09, 3851377.25	0.00108	0.00021876	2.48E-08	9.75E-09	3.94E-06	4.47E-10	1.75E-10
489863.09, 3851377.25	0.00105	0.00021268	2.41E-08	9.48E-09	3.83E-06	4.34E-10	1.71E-10
490363.09, 3851377.25	0.00099	0.00020053	2.27E-08	8.94E-09	3.61E-06	4.09E-10	1.61E-10
490863.09, 3851377.25	0.00097	0.00019648	2.23E-08	8.75E-09	3.54E-06	4.01E-10	1.58E-10
491363.09, 3851377.25	0.00099	0.00020053	2.27E-08	8.94E-09	3.61E-06	4.09E-10	1.61E-10
491863.09, 3851377.25	0.00096	0.00019445	2.21E-08	8.66E-09	3.50E-06	3.97E-10	1.56E-10
492363.09, 3851377.25	0.00089	0.00018027	2.04E-08	8.03E-09	3.25E-06	3.68E-10	1.45E-10
492863.09, 3851377.25	0.00081	0.00016407	1.86E-08	7.31E-09	2.95E-06	3.35E-10	1.32E-10
493363.09, 3851377.25	0.00074	0.00014989	1.70E-08	6.68E-09	2.70E-06	3.06E-10	1.20E-10
493863.09, 3851377.25	0.00076	0.00015394	1.75E-08	6.86E-09	2.77E-06	3.14E-10	1.23E-10
494363.09, 3851377.25	0.0008	0.00016204	1.84E-08	7.22E-09	2.92E-06	3.31E-10	1.30E-10
494863.09, 3851377.25	0.00075	0.00015192	1.72E-08	6.77E-09	2.73E-06	3.10E-10	1.22E-10
495363.09, 3851377.25	0.00075	0.00015192	1.72E-08	6.77E-09	2.73E-06	3.10E-10	1.22E-10
495863.09, 3851377.25	0.00074	0.00014989	1.70E-08	6.68E-09	2.70E-06	3.06E-10	1.20E-10
496363.09, 3851377.25	0.00072	0.00014584	1.65E-08	6.50E-09	2.63E-06	2.98E-10	1.17E-10
496863.09, 3851377.25	0.00069	0.00013976	1.59E-08	6.23E-09	2.52E-06	2.85E-10	1.12E-10
497363.09, 3851377.25	0.00069	0.00013976	1.59E-08	6.23E-09	2.52E-06	2.85E-10	1.12E-10

497863.09, 3851377.25	0.00068	0.00013774	1.56E-08	6.14E-09	2.48E-06	2.81E-10	1.10E-10
498363.09, 3851377.25	0.00064	0.00012963	1.47E-08	5.78E-09	2.33E-06	2.65E-10	1.04E-10
471363.09, 3851877.25	0.00137	0.0002775	3.15E-08	1.24E-08	5.00E-06	5.67E-10	2.23E-10
471863.09, 3851877.25	0.00127	0.00025724	2.92E-08	1.15E-08	4.63E-06	5.25E-10	2.06E-10
472363.09, 3851877.25	0.00131	0.00026535	3.01E-08	1.18E-08	4.78E-06	5.42E-10	2.13E-10
472863.09, 3851877.25	0.00133	0.0002694	3.06E-08	1.20E-08	4.85E-06	5.50E-10	2.16E-10
473363.09, 3851877.25	0.00122	0.00024712	2.80E-08	1.10E-08	4.45E-06	5.05E-10	1.98E-10
473863.09, 3851877.25	0.0012	0.00024306	2.76E-08	1.08E-08	4.38E-06	4.96E-10	1.95E-10
474363.09, 3851877.25	0.00132	0.00026737	3.03E-08	1.19E-08	4.81E-06	5.46E-10	2.14E-10
474863.09, 3851877.25	0.00151	0.00030586	3.47E-08	1.36E-08	5.51E-06	6.25E-10	2.45E-10
475363.09, 3851877.25	0.00169	0.00034232	3.88E-08	1.53E-08	6.16E-06	6.99E-10	2.75E-10
475863.09, 3851877.25	0.00182	0.00036865	4.18E-08	1.64E-08	6.64E-06	7.53E-10	2.96E-10
476363.09, 3851877.25	0.0018	0.0003646	4.14E-08	1.62E-08	6.56E-06	7.45E-10	2.92E-10
476863.09, 3851877.25	0.00207	0.00041929	4.76E-08	1.87E-08	7.55E-06	8.56E-10	3.36E-10
477363.09, 3851877.25	0.00232	0.00046992	5.33E-08	2.09E-08	8.46E-06	9.60E-10	3.77E-10
477863.09, 3851877.25	0.00236	0.00047803	5.42E-08	2.13E-08	8.61E-06	9.76E-10	3.83E-10
478363.09, 3851877.25	0.00231	0.0004679	5.31E-08	2.08E-08	8.42E-06	9.55E-10	3.75E-10
478863.09, 3851877.25	0.00237	0.00048005	5.44E-08	2.14E-08	8.64E-06	9.80E-10	3.85E-10
479363.09, 3851877.25	0.00282	0.0005712	6.48E-08	2.55E-08	1.03E-05	1.17E-09	4.58E-10
479863.09, 3851877.25	0.00333	0.0006745	7.65E-08	3.01E-08	1.21E-05	1.38E-09	5.41E-10
480363.09, 3851877.25	0.00373	0.00075552	8.57E-08	3.37E-08	1.36E-05	1.54E-09	6.06E-10
480863.09, 3851877.25	0.00425	0.00086085	9.76E-08	3.84E-08	1.55E-05	1.76E-09	6.91E-10
481363.09, 3851877.25	0.00448	0.00090744	1.03E-07	4.04E-08	1.63E-05	1.85E-09	7.28E-10
481863.09, 3851877.25	0.00345	0.00069881	7.93E-08	3.11E-08	1.26E-05	1.43E-09	5.61E-10
482363.09, 3851877.25	0.00233	0.00047195	5.35E-08	2.10E-08	8.50E-06	9.64E-10	3.79E-10
482863.09, 3851877.25	0.00191	0.00038688	4.39E-08	1.72E-08	6.97E-06	7.90E-10	3.10E-10
483363.09, 3851877.25	0.00195	0.00039498	4.48E-08	1.76E-08	7.11E-06	8.07E-10	3.17E-10
483863.09, 3851877.25	0.00192	0.0003889	4.41E-08	1.73E-08	7.00E-06	7.94E-10	3.12E-10
484363.09, 3851877.25	0.00221	0.00044764	5.08E-08	1.99E-08	8.06E-06	9.14E-10	3.59E-10
484863.09, 3851877.25	0.00207	0.00041929	4.76E-08	1.87E-08	7.55E-06	8.56E-10	3.36E-10
485363.09, 3851877.25	0.002	0.00040511	4.59E-08	1.81E-08	7.29E-06	8.27E-10	3.25E-10
485863.09, 3851877.25	0.00186	0.00037675	4.27E-08	1.68E-08	6.78E-06	7.69E-10	3.02E-10
486363.09, 3851877.25	0.00161	0.00032611	3.70E-08	1.45E-08	5.87E-06	6.66E-10	2.62E-10
486863.09, 3851877.25	0.0015	0.00030383	3.45E-08	1.35E-08	5.47E-06	6.20E-10	2.44E-10
487363.09, 3851877.25	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
487863.09, 3851877.25	0.00131	0.00026535	3.01E-08	1.18E-08	4.78E-06	5.42E-10	2.13E-10
488363.09, 3851877.25	0.0012	0.00024306	2.76E-08	1.08E-08	4.38E-06	4.96E-10	1.95E-10
488863.09, 3851877.25	0.00112	0.00022686	2.57E-08	1.01E-08	4.08E-06	4.63E-10	1.82E-10
489363.09, 3851877.25	0.00111	0.00022483	2.55E-08	1.00E-08	4.05E-06	4.59E-10	1.80E-10
489863.09, 3851877.25	0.00108	0.00021876	2.48E-08	9.75E-09	3.94E-06	4.47E-10	1.75E-10
490363.09, 3851877.25	0.00104	0.00021066	2.39E-08	9.39E-09	3.79E-06	4.30E-10	1.69E-10
490863.09, 3851877.25	0.00102	0.0002066	2.34E-08	9.21E-09	3.72E-06	4.22E-10	1.66E-10
491363.09, 3851877.25	0.00104	0.00021066	2.39E-08	9.39E-09	3.79E-06	4.30E-10	1.69E-10
491863.09, 3851877.25	0.00106	0.00021471	2.44E-08	9.57E-09	3.87E-06	4.38E-10	1.72E-10
492363.09, 3851877.25	0.00099	0.00020053	2.27E-08	8.94E-09	3.61E-06	4.09E-10	1.61E-10
492863.09, 3851877.25	0.00086	0.0001742	1.98E-08	7.76E-09	3.14E-06	3.56E-10	1.40E-10
493363.09, 3851877.25	0.00086	0.0001742	1.98E-08	7.76E-09	3.14E-06	3.56E-10	1.40E-10
493863.09, 3851877.25	0.00091	0.00018432	2.09E-08	8.21E-09	3.32E-06	3.76E-10	1.48E-10
494363.09, 3851877.25	0.0009	0.0001823	2.07E-08	8.12E-09	3.28E-06	3.72E-10	1.46E-10
494863.09, 3851877.25	0.00087	0.00017622	2.00E-08	7.85E-09	3.17E-06	3.60E-10	1.41E-10
495363.09, 3851877.25	0.00084	0.00017015	1.93E-08	7.58E-09	3.06E-06	3.47E-10	1.36E-10
495863.09, 3851877.25	0.00082	0.00016609	1.88E-08	7.40E-09	2.99E-06	3.39E-10	1.33E-10
496363.09, 3851877.25	0.00079	0.00016002	1.81E-08	7.13E-09	2.88E-06	3.27E-10	1.28E-10
496863.09, 3851877.25	0.00075	0.00015192	1.72E-08	6.77E-09	2.73E-06	3.10E-10	1.22E-10
497363.09, 3851877.25	0.00074	0.00014989	1.70E-08	6.68E-09	2.70E-06	3.06E-10	1.20E-10
497863.09, 3851877.25	0.00071	0.00014381	1.63E-08	6.41E-09	2.59E-06	2.94E-10	1.15E-10
498363.09, 3851877.25	0.00067	0.00013571	1.54E-08	6.05E-09	2.44E-06	2.77E-10	1.09E-10
471363.09, 3852377.25	0.00125	0.00025319	2.87E-08	1.13E-08	4.56E-06	5.17E-10	2.03E-10
471863.09, 3852377.25	0.0014	0.00028358	3.22E-08	1.26E-08	5.11E-06	5.79E-10	2.27E-10
472363.09, 3852377.25	0.00148	0.00029978	3.40E-08	1.34E-08	5.40E-06	6.12E-10	2.40E-10
472863.09, 3852377.25	0.00148	0.00029978	3.40E-08	1.34E-08	5.40E-06	6.12E-10	2.40E-10

473363.09, 3852377.25	0.00142	0.00028763	3.26E-08	1.28E-08	5.18E-06	5.87E-10	2.31E-10
473863.09, 3852377.25	0.00136	0.00027547	3.12E-08	1.23E-08	4.96E-06	5.63E-10	2.21E-10
474363.09, 3852377.25	0.00132	0.00026737	3.03E-08	1.19E-08	4.81E-06	5.46E-10	2.14E-10
474863.09, 3852377.25	0.00151	0.00030586	3.47E-08	1.36E-08	5.51E-06	6.25E-10	2.45E-10
475363.09, 3852377.25	0.00152	0.00030788	3.49E-08	1.37E-08	5.54E-06	6.29E-10	2.47E-10
475863.09, 3852377.25	0.00154	0.00031193	3.54E-08	1.39E-08	5.62E-06	6.37E-10	2.50E-10
476363.09, 3852377.25	0.00152	0.00030788	3.49E-08	1.37E-08	5.54E-06	6.29E-10	2.47E-10
476863.09, 3852377.25	0.00162	0.00032814	3.72E-08	1.46E-08	5.91E-06	6.70E-10	2.63E-10
477363.09, 3852377.25	0.00168	0.00034029	3.86E-08	1.52E-08	6.13E-06	6.95E-10	2.73E-10
477863.09, 3852377.25	0.00162	0.00032814	3.72E-08	1.46E-08	5.91E-06	6.70E-10	2.63E-10
478363.09, 3852377.25	0.00155	0.00031396	3.56E-08	1.40E-08	5.65E-06	6.41E-10	2.52E-10
478863.09, 3852377.25	0.00172	0.00034839	3.95E-08	1.55E-08	6.27E-06	7.11E-10	2.79E-10
479363.09, 3852377.25	0.00183	0.00037067	4.20E-08	1.65E-08	6.67E-06	7.57E-10	2.97E-10
479863.09, 3852377.25	0.00236	0.00047803	5.42E-08	2.13E-08	8.61E-06	9.76E-10	3.83E-10
480363.09, 3852377.25	0.00353	0.00071501	8.11E-08	3.19E-08	1.29E-05	1.46E-09	5.74E-10
480863.09, 3852377.25	0.0039	0.00078996	8.96E-08	3.52E-08	1.42E-05	1.61E-09	6.34E-10
481363.09, 3852377.25	0.00444	0.00089934	1.02E-07	4.01E-08	1.62E-05	1.84E-09	7.21E-10
481863.09, 3852377.25	0.00492	0.00099656	1.13E-07	4.44E-08	1.79E-05	2.04E-09	7.99E-10
482363.09, 3852377.25	0.00383	0.00077578	8.80E-08	3.46E-08	1.40E-05	1.58E-09	6.22E-10
482863.09, 3852377.25	0.0029	0.00058741	6.66E-08	2.62E-08	1.06E-05	1.20E-09	4.71E-10
483363.09, 3852377.25	0.00225	0.00045575	5.17E-08	2.03E-08	8.20E-06	9.31E-10	3.66E-10
483863.09, 3852377.25	0.00211	0.00042739	4.85E-08	1.90E-08	7.69E-06	8.73E-10	3.43E-10
484363.09, 3852377.25	0.00239	0.0004841	5.49E-08	2.16E-08	8.72E-06	9.89E-10	3.88E-10
484863.09, 3852377.25	0.00256	0.00051854	5.88E-08	2.31E-08	9.34E-06	1.06E-09	4.16E-10
485363.09, 3852377.25	0.00262	0.00053069	6.02E-08	2.36E-08	9.55E-06	1.08E-09	4.26E-10
485863.09, 3852377.25	0.00225	0.00045575	5.17E-08	2.03E-08	8.20E-06	9.31E-10	3.66E-10
486363.09, 3852377.25	0.00187	0.00037878	4.30E-08	1.69E-08	6.82E-06	7.73E-10	3.04E-10
486863.09, 3852377.25	0.00166	0.00033624	3.81E-08	1.50E-08	6.05E-06	6.87E-10	2.70E-10
487363.09, 3852377.25	0.00149	0.0003018	3.42E-08	1.34E-08	5.43E-06	6.16E-10	2.42E-10
487863.09, 3852377.25	0.0014	0.00028358	3.22E-08	1.26E-08	5.11E-06	5.79E-10	2.27E-10
488363.09, 3852377.25	0.00132	0.00026737	3.03E-08	1.19E-08	4.81E-06	5.46E-10	2.14E-10
488863.09, 3852377.25	0.00118	0.00023901	2.71E-08	1.07E-08	4.30E-06	4.88E-10	1.92E-10
489363.09, 3852377.25	0.00113	0.00022889	2.60E-08	1.02E-08	4.12E-06	4.67E-10	1.84E-10
489863.09, 3852377.25	0.0011	0.00022281	2.53E-08	9.93E-09	4.01E-06	4.55E-10	1.79E-10
490363.09, 3852377.25	0.00109	0.00022078	2.50E-08	9.84E-09	3.97E-06	4.51E-10	1.77E-10
490863.09, 3852377.25	0.00108	0.00021876	2.48E-08	9.75E-09	3.94E-06	4.47E-10	1.75E-10
491363.09, 3852377.25	0.00112	0.00022686	2.57E-08	1.01E-08	4.08E-06	4.63E-10	1.82E-10
491863.09, 3852377.25	0.00116	0.00023496	2.67E-08	1.05E-08	4.23E-06	4.80E-10	1.88E-10
492363.09, 3852377.25	0.00114	0.00023091	2.62E-08	1.03E-08	4.16E-06	4.72E-10	1.85E-10
492863.09, 3852377.25	0.00109	0.00022078	2.50E-08	9.84E-09	3.97E-06	4.51E-10	1.77E-10
493363.09, 3852377.25	0.00104	0.00021066	2.39E-08	9.39E-09	3.79E-06	4.30E-10	1.69E-10
493863.09, 3852377.25	0.00101	0.00020458	2.32E-08	9.12E-09	3.68E-06	4.18E-10	1.64E-10
494363.09, 3852377.25	0.00103	0.00020863	2.37E-08	9.30E-09	3.76E-06	4.26E-10	1.67E-10
494863.09, 3852377.25	0.00099	0.00020053	2.27E-08	8.94E-09	3.61E-06	4.09E-10	1.61E-10
495363.09, 3852377.25	0.00095	0.00019243	2.18E-08	8.57E-09	3.46E-06	3.93E-10	1.54E-10
495863.09, 3852377.25	0.00089	0.00018027	2.04E-08	8.03E-09	3.25E-06	3.68E-10	1.45E-10
496363.09, 3852377.25	0.00085	0.00017217	1.95E-08	7.67E-09	3.10E-06	3.52E-10	1.38E-10
496863.09, 3852377.25	0.00081	0.00016407	1.86E-08	7.31E-09	2.95E-06	3.35E-10	1.32E-10
497363.09, 3852377.25	0.00078	0.00015799	1.79E-08	7.04E-09	2.84E-06	3.23E-10	1.27E-10
497863.09, 3852377.25	0.00073	0.00014786	1.68E-08	6.59E-09	2.66E-06	3.02E-10	1.19E-10
498363.09, 3852377.25	0.00069	0.00013976	1.59E-08	6.23E-09	2.52E-06	2.85E-10	1.12E-10
471363.09, 3852877.25	0.00121	0.00024509	2.78E-08	1.09E-08	4.41E-06	5.00E-10	1.97E-10
471863.09, 3852877.25	0.0013	0.00026332	2.99E-08	1.17E-08	4.74E-06	5.38E-10	2.11E-10
472363.09, 3852877.25	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
472863.09, 3852877.25	0.00156	0.00031598	3.58E-08	1.41E-08	5.69E-06	6.45E-10	2.53E-10
473363.09, 3852877.25	0.00167	0.00033826	3.84E-08	1.51E-08	6.09E-06	6.91E-10	2.71E-10
473863.09, 3852877.25	0.00173	0.00035042	3.97E-08	1.56E-08	6.31E-06	7.16E-10	2.81E-10
474363.09, 3852877.25	0.00172	0.00034839	3.95E-08	1.55E-08	6.27E-06	7.11E-10	2.79E-10
474863.09, 3852877.25	0.00152	0.00030788	3.49E-08	1.37E-08	5.54E-06	6.29E-10	2.47E-10
475363.09, 3852877.25	0.00153	0.00030991	3.52E-08	1.38E-08	5.58E-06	6.33E-10	2.49E-10
475863.09, 3852877.25	0.00149	0.0003018	3.42E-08	1.34E-08	5.43E-06	6.16E-10	2.42E-10

476363.09, 3852877.25	0.00141	0.0002856	3.24E-08	1.27E-08	5.14E-06	5.83E-10	2.29E-10
476863.09, 3852877.25	0.00132	0.00026737	3.03E-08	1.19E-08	4.81E-06	5.46E-10	2.14E-10
477363.09, 3852877.25	0.00128	0.00025927	2.94E-08	1.16E-08	4.67E-06	5.29E-10	2.08E-10
477863.09, 3852877.25	0.00126	0.00025522	2.89E-08	1.14E-08	4.59E-06	5.21E-10	2.05E-10
478363.09, 3852877.25	0.00124	0.00025117	2.85E-08	1.12E-08	4.52E-06	5.13E-10	2.01E-10
478863.09, 3852877.25	0.00136	0.00027547	3.12E-08	1.23E-08	4.96E-06	5.63E-10	2.21E-10
479363.09, 3852877.25	0.00152	0.00030788	3.49E-08	1.37E-08	5.54E-06	6.29E-10	2.47E-10
479863.09, 3852877.25	0.00199	0.00040308	4.57E-08	1.80E-08	7.26E-06	8.23E-10	3.23E-10
480363.09, 3852877.25	0.00306	0.00061981	7.03E-08	2.76E-08	1.12E-05	1.27E-09	4.97E-10
480863.09, 3852877.25	0.00329	0.0006664	7.56E-08	2.97E-08	1.20E-05	1.36E-09	5.35E-10
481363.09, 3852877.25	0.00415	0.0008406	9.53E-08	3.75E-08	1.51E-05	1.72E-09	6.74E-10
481863.09, 3852877.25	0.00466	0.0009439	1.07E-07	4.21E-08	1.70E-05	1.93E-09	7.57E-10
482363.09, 3852877.25	0.00526	0.00106543	1.21E-07	4.75E-08	1.92E-05	2.18E-09	8.55E-10
482863.09, 3852877.25	0.00444	0.00089934	1.02E-07	4.01E-08	1.62E-05	1.84E-09	7.21E-10
483363.09, 3852877.25	0.00325	0.0006583	7.47E-08	2.93E-08	1.19E-05	1.34E-09	5.28E-10
483863.09, 3852877.25	0.00235	0.000476	5.40E-08	2.12E-08	8.57E-06	9.72E-10	3.82E-10
484363.09, 3852877.25	0.00273	0.00055297	6.27E-08	2.46E-08	9.96E-06	1.13E-09	4.44E-10
484863.09, 3852877.25	0.00294	0.00059551	6.75E-08	2.65E-08	1.07E-05	1.22E-09	4.78E-10
485363.09, 3852877.25	0.00235	0.000476	5.40E-08	2.12E-08	8.57E-06	9.72E-10	3.82E-10
485863.09, 3852877.25	0.00217	0.00043954	4.99E-08	1.96E-08	7.91E-06	8.98E-10	3.53E-10
486363.09, 3852877.25	0.00195	0.00039498	4.48E-08	1.76E-08	7.11E-06	8.07E-10	3.17E-10
486863.09, 3852877.25	0.00178	0.00036055	4.09E-08	1.61E-08	6.49E-06	7.36E-10	2.89E-10
487363.09, 3852877.25	0.00156	0.00031598	3.58E-08	1.41E-08	5.69E-06	6.45E-10	2.53E-10
487863.09, 3852877.25	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
488363.09, 3852877.25	0.00128	0.00025927	2.94E-08	1.16E-08	4.67E-06	5.29E-10	2.08E-10
488863.09, 3852877.25	0.00127	0.00025724	2.92E-08	1.15E-08	4.63E-06	5.25E-10	2.06E-10
489363.09, 3852877.25	0.0012	0.00024306	2.76E-08	1.08E-08	4.38E-06	4.96E-10	1.95E-10
489863.09, 3852877.25	0.00119	0.00024104	2.73E-08	1.07E-08	4.34E-06	4.92E-10	1.93E-10
490363.09, 3852877.25	0.00125	0.00025319	2.87E-08	1.13E-08	4.56E-06	5.17E-10	2.03E-10
490863.09, 3852877.25	0.00126	0.00025522	2.89E-08	1.14E-08	4.59E-06	5.21E-10	2.05E-10
491363.09, 3852877.25	0.00128	0.00025927	2.94E-08	1.16E-08	4.67E-06	5.29E-10	2.08E-10
491863.09, 3852877.25	0.00131	0.00026535	3.01E-08	1.18E-08	4.78E-06	5.42E-10	2.13E-10
492363.09, 3852877.25	0.00132	0.00026737	3.03E-08	1.19E-08	4.81E-06	5.46E-10	2.14E-10
492863.09, 3852877.25	0.00129	0.00026129	2.96E-08	1.16E-08	4.70E-06	5.34E-10	2.10E-10
493363.09, 3852877.25	0.00119	0.00024104	2.73E-08	1.07E-08	4.34E-06	4.92E-10	1.93E-10
493863.09, 3852877.25	0.00114	0.00023091	2.62E-08	1.03E-08	4.16E-06	4.72E-10	1.85E-10
494363.09, 3852877.25	0.00116	0.00023496	2.67E-08	1.05E-08	4.23E-06	4.80E-10	1.88E-10
494863.09, 3852877.25	0.00113	0.00022889	2.60E-08	1.02E-08	4.12E-06	4.67E-10	1.84E-10
495363.09, 3852877.25	0.00103	0.00020863	2.37E-08	9.30E-09	3.76E-06	4.26E-10	1.67E-10
495863.09, 3852877.25	0.00095	0.00019243	2.18E-08	8.57E-09	3.46E-06	3.93E-10	1.54E-10
496363.09, 3852877.25	0.00091	0.00018432	2.09E-08	8.21E-09	3.32E-06	3.76E-10	1.48E-10
496863.09, 3852877.25	0.00087	0.00017622	2.00E-08	7.85E-09	3.17E-06	3.60E-10	1.41E-10
497363.09, 3852877.25	0.00083	0.00016812	1.91E-08	7.49E-09	3.03E-06	3.43E-10	1.35E-10
497863.09, 3852877.25	0.00073	0.00014786	1.68E-08	6.59E-09	2.66E-06	3.02E-10	1.19E-10
498363.09, 3852877.25	0.00071	0.00014381	1.63E-08	6.41E-09	2.59E-06	2.94E-10	1.15E-10
471363.09, 3853377.25	0.00116	0.00023496	2.67E-08	1.05E-08	4.23E-06	4.80E-10	1.88E-10
471863.09, 3853377.25	0.00125	0.00025319	2.87E-08	1.13E-08	4.56E-06	5.17E-10	2.03E-10
472363.09, 3853377.25	0.00134	0.00027142	3.08E-08	1.21E-08	4.89E-06	5.54E-10	2.18E-10
472863.09, 3853377.25	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
473363.09, 3853377.25	0.00153	0.00030991	3.52E-08	1.38E-08	5.58E-06	6.33E-10	2.49E-10
473863.09, 3853377.25	0.00166	0.00033624	3.81E-08	1.50E-08	6.05E-06	6.87E-10	2.70E-10
474363.09, 3853377.25	0.00177	0.00035852	4.07E-08	1.60E-08	6.45E-06	7.32E-10	2.88E-10
474863.09, 3853377.25	0.00171	0.00034637	3.93E-08	1.54E-08	6.24E-06	7.07E-10	2.78E-10
475363.09, 3853377.25	0.00162	0.00032814	3.72E-08	1.46E-08	5.91E-06	6.70E-10	2.63E-10
475863.09, 3853377.25	0.00151	0.00030586	3.47E-08	1.36E-08	5.51E-06	6.25E-10	2.45E-10
476363.09, 3853377.25	0.00139	0.00028155	3.19E-08	1.25E-08	5.07E-06	5.75E-10	2.26E-10
476863.09, 3853377.25	0.00125	0.00025319	2.87E-08	1.13E-08	4.56E-06	5.17E-10	2.03E-10
477363.09, 3853377.25	0.00123	0.00024914	2.83E-08	1.11E-08	4.49E-06	5.09E-10	2.00E-10
477863.09, 3853377.25	0.00124	0.00025117	2.85E-08	1.12E-08	4.52E-06	5.13E-10	2.01E-10
478363.09, 3853377.25	0.00119	0.00024104	2.73E-08	1.07E-08	4.34E-06	4.92E-10	1.93E-10
478863.09, 3853377.25	0.00114	0.00023091	2.62E-08	1.03E-08	4.16E-06	4.72E-10	1.85E-10

479363.09, 3853377.25	0.0014	0.00028358	3.22E-08	1.26E-08	5.11E-06	5.79E-10	2.27E-10
479863.09, 3853377.25	0.0017	0.00034434	3.91E-08	1.53E-08	6.20E-06	7.03E-10	2.76E-10
480363.09, 3853377.25	0.0024	0.00048613	5.51E-08	2.17E-08	8.75E-06	9.93E-10	3.90E-10
480863.09, 3853377.25	0.00222	0.00044967	5.10E-08	2.00E-08	8.10E-06	9.18E-10	3.61E-10
481363.09, 3853377.25	0.00287	0.00058133	6.59E-08	2.59E-08	1.05E-05	1.19E-09	4.66E-10
481863.09, 3853377.25	0.00452	0.00091554	1.04E-07	4.08E-08	1.65E-05	1.87E-09	7.34E-10
482363.09, 3853377.25	0.00484	0.00098036	1.11E-07	4.37E-08	1.76E-05	2.00E-09	7.86E-10
482863.09, 3853377.25	0.00532	0.00107759	1.22E-07	4.80E-08	1.94E-05	2.20E-09	8.64E-10
483363.09, 3853377.25	0.00411	0.0008325	9.44E-08	3.71E-08	1.50E-05	1.70E-09	6.68E-10
483863.09, 3853377.25	0.00341	0.00069071	7.83E-08	3.08E-08	1.24E-05	1.41E-09	5.54E-10
484363.09, 3853377.25	0.00326	0.00066032	7.49E-08	2.94E-08	1.19E-05	1.35E-09	5.30E-10
484863.09, 3853377.25	0.00262	0.00053069	6.02E-08	2.36E-08	9.55E-06	1.08E-09	4.26E-10
485363.09, 3853377.25	0.0021	0.00042536	4.82E-08	1.90E-08	7.66E-06	8.69E-10	3.41E-10
485863.09, 3853377.25	0.00184	0.0003727	4.23E-08	1.66E-08	6.71E-06	7.61E-10	2.99E-10
486363.09, 3853377.25	0.0019	0.00038485	4.37E-08	1.71E-08	6.93E-06	7.86E-10	3.09E-10
486863.09, 3853377.25	0.0019	0.00038485	4.37E-08	1.71E-08	6.93E-06	7.86E-10	3.09E-10
487363.09, 3853377.25	0.00182	0.00036865	4.18E-08	1.64E-08	6.64E-06	7.53E-10	2.96E-10
487863.09, 3853377.25	0.00169	0.00034232	3.88E-08	1.53E-08	6.16E-06	6.99E-10	2.75E-10
488363.09, 3853377.25	0.00164	0.00033219	3.77E-08	1.48E-08	5.98E-06	6.78E-10	2.66E-10
488863.09, 3853377.25	0.0016	0.00032409	3.68E-08	1.44E-08	5.83E-06	6.62E-10	2.60E-10
489363.09, 3853377.25	0.00151	0.00030586	3.47E-08	1.36E-08	5.51E-06	6.25E-10	2.45E-10
489863.09, 3853377.25	0.00141	0.0002856	3.24E-08	1.27E-08	5.14E-06	5.83E-10	2.29E-10
490363.09, 3853377.25	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
490863.09, 3853377.25	0.00141	0.0002856	3.24E-08	1.27E-08	5.14E-06	5.83E-10	2.29E-10
491363.09, 3853377.25	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
491863.09, 3853377.25	0.00145	0.0002937	3.33E-08	1.31E-08	5.29E-06	6.00E-10	2.36E-10
492363.09, 3853377.25	0.00151	0.00030586	3.47E-08	1.36E-08	5.51E-06	6.25E-10	2.45E-10
492863.09, 3853377.25	0.0015	0.00030383	3.45E-08	1.35E-08	5.47E-06	6.20E-10	2.44E-10
493363.09, 3853377.25	0.0014	0.00028358	3.22E-08	1.26E-08	5.11E-06	5.79E-10	2.27E-10
493863.09, 3853377.25	0.0013	0.00026332	2.99E-08	1.17E-08	4.74E-06	5.38E-10	2.11E-10
494363.09, 3853377.25	0.00129	0.00026129	2.96E-08	1.16E-08	4.70E-06	5.34E-10	2.10E-10
494863.09, 3853377.25	0.00122	0.00024712	2.80E-08	1.10E-08	4.45E-06	5.05E-10	1.98E-10
495363.09, 3853377.25	0.00114	0.00023091	2.62E-08	1.03E-08	4.16E-06	4.72E-10	1.85E-10
495863.09, 3853377.25	0.00106	0.00021471	2.44E-08	9.57E-09	3.87E-06	4.38E-10	1.72E-10
496363.09, 3853377.25	0.00098	0.0001985	2.25E-08	8.85E-09	3.57E-06	4.05E-10	1.59E-10
496863.09, 3853377.25	0.00091	0.00018432	2.09E-08	8.21E-09	3.32E-06	3.76E-10	1.48E-10
497363.09, 3853377.25	0.00085	0.00017217	1.95E-08	7.67E-09	3.10E-06	3.52E-10	1.38E-10
497863.09, 3853377.25	0.00073	0.00014786	1.68E-08	6.59E-09	2.66E-06	3.02E-10	1.19E-10
498363.09, 3853377.25	0.00068	0.00013774	1.56E-08	6.14E-09	2.48E-06	2.81E-10	1.10E-10
471363.09, 3853877.25	0.00116	0.00023496	2.67E-08	1.05E-08	4.23E-06	4.80E-10	1.88E-10
471863.09, 3853877.25	0.00119	0.00024104	2.73E-08	1.07E-08	4.34E-06	4.92E-10	1.93E-10
472363.09, 3853877.25	0.00124	0.00025117	2.85E-08	1.12E-08	4.52E-06	5.13E-10	2.01E-10
472863.09, 3853877.25	0.00132	0.00026737	3.03E-08	1.19E-08	4.81E-06	5.46E-10	2.14E-10
473363.09, 3853877.25	0.0014	0.00028358	3.22E-08	1.26E-08	5.11E-06	5.79E-10	2.27E-10
473863.09, 3853877.25	0.00148	0.00029978	3.40E-08	1.34E-08	5.40E-06	6.12E-10	2.40E-10
474363.09, 3853877.25	0.00158	0.00032003	3.63E-08	1.43E-08	5.76E-06	6.54E-10	2.57E-10
474863.09, 3853877.25	0.00168	0.00034029	3.86E-08	1.52E-08	6.13E-06	6.95E-10	2.73E-10
475363.09, 3853877.25	0.00169	0.00034232	3.88E-08	1.53E-08	6.16E-06	6.99E-10	2.75E-10
475863.09, 3853877.25	0.00154	0.00031193	3.54E-08	1.39E-08	5.62E-06	6.37E-10	2.50E-10
476363.09, 3853877.25	0.00136	0.00027547	3.12E-08	1.23E-08	4.96E-06	5.63E-10	2.21E-10
476863.09, 3853877.25	0.00119	0.00024104	2.73E-08	1.07E-08	4.34E-06	4.92E-10	1.93E-10
477363.09, 3853877.25	0.00121	0.00024509	2.78E-08	1.09E-08	4.41E-06	5.00E-10	1.97E-10
477863.09, 3853877.25	0.00125	0.00025319	2.87E-08	1.13E-08	4.56E-06	5.17E-10	2.03E-10
478363.09, 3853877.25	0.00126	0.00025522	2.89E-08	1.14E-08	4.59E-06	5.21E-10	2.05E-10
478863.09, 3853877.25	0.00114	0.00023091	2.62E-08	1.03E-08	4.16E-06	4.72E-10	1.85E-10
479363.09, 3853877.25	0.00125	0.00025319	2.87E-08	1.13E-08	4.56E-06	5.17E-10	2.03E-10
479863.09, 3853877.25	0.00157	0.00031801	3.61E-08	1.42E-08	5.73E-06	6.49E-10	2.55E-10
480363.09, 3853877.25	0.00194	0.00039295	4.46E-08	1.75E-08	7.07E-06	8.02E-10	3.15E-10
480863.09, 3853877.25	0.00273	0.00055297	6.27E-08	2.46E-08	9.96E-06	1.13E-09	4.44E-10
481363.09, 3853877.25	0.00325	0.0006583	7.47E-08	2.93E-08	1.19E-05	1.34E-09	5.28E-10
481863.09, 3853877.25	0.00519	0.00105125	1.19E-07	4.68E-08	1.89E-05	2.15E-09	8.43E-10

482363.09, 3853877.25	0.00517	0.0010472	1.19E-07	4.67E-08	1.89E-05	2.14E-09	8.40E-10
482863.09, 3853877.25	0.00449	0.00090947	1.03E-07	4.05E-08	1.64E-05	1.86E-09	7.30E-10
483363.09, 3853877.25	0.00409	0.00082844	9.40E-08	3.69E-08	1.49E-05	1.69E-09	6.65E-10
483863.09, 3853877.25	0.00416	0.00084262	9.56E-08	3.75E-08	1.52E-05	1.72E-09	6.76E-10
484363.09, 3853877.25	0.00337	0.00068261	7.74E-08	3.04E-08	1.23E-05	1.39E-09	5.48E-10
484863.09, 3853877.25	0.00261	0.00052866	6.00E-08	2.36E-08	9.52E-06	1.08E-09	4.24E-10
485363.09, 3853877.25	0.002	0.00040511	4.59E-08	1.81E-08	7.29E-06	8.27E-10	3.25E-10
485863.09, 3853877.25	0.0021	0.00042536	4.82E-08	1.90E-08	7.66E-06	8.69E-10	3.41E-10
486363.09, 3853877.25	0.00213	0.00043144	4.89E-08	1.92E-08	7.77E-06	8.81E-10	3.46E-10
486863.09, 3853877.25	0.00208	0.00042131	4.78E-08	1.88E-08	7.59E-06	8.60E-10	3.38E-10
487363.09, 3853877.25	0.00213	0.00043144	4.89E-08	1.92E-08	7.77E-06	8.81E-10	3.46E-10
487863.09, 3853877.25	0.00211	0.00042739	4.85E-08	1.90E-08	7.69E-06	8.73E-10	3.43E-10
488363.09, 3853877.25	0.00199	0.00040308	4.57E-08	1.80E-08	7.26E-06	8.23E-10	3.23E-10
488863.09, 3853877.25	0.00196	0.00039701	4.50E-08	1.77E-08	7.15E-06	8.11E-10	3.18E-10
489363.09, 3853877.25	0.00186	0.00037675	4.27E-08	1.68E-08	6.78E-06	7.69E-10	3.02E-10
489863.09, 3853877.25	0.00174	0.00035244	4.00E-08	1.57E-08	6.35E-06	7.20E-10	2.83E-10
490363.09, 3853877.25	0.00165	0.00033421	3.79E-08	1.49E-08	6.02E-06	6.82E-10	2.68E-10
490863.09, 3853877.25	0.00164	0.00033219	3.77E-08	1.48E-08	5.98E-06	6.78E-10	2.66E-10
491363.09, 3853877.25	0.00166	0.00033624	3.81E-08	1.50E-08	6.05E-06	6.87E-10	2.70E-10
491863.09, 3853877.25	0.00167	0.00033826	3.84E-08	1.51E-08	6.09E-06	6.91E-10	2.71E-10
492363.09, 3853877.25	0.00172	0.00034839	3.95E-08	1.55E-08	6.27E-06	7.11E-10	2.79E-10
492863.09, 3853877.25	0.00176	0.00035649	4.04E-08	1.59E-08	6.42E-06	7.28E-10	2.86E-10
493363.09, 3853877.25	0.00165	0.00033421	3.79E-08	1.49E-08	6.02E-06	6.82E-10	2.68E-10
493863.09, 3853877.25	0.00147	0.00029775	3.38E-08	1.33E-08	5.36E-06	6.08E-10	2.39E-10
494363.09, 3853877.25	0.00144	0.00029168	3.31E-08	1.30E-08	5.25E-06	5.96E-10	2.34E-10
494863.09, 3853877.25	0.00138	0.00027952	3.17E-08	1.25E-08	5.03E-06	5.71E-10	2.24E-10
495363.09, 3853877.25	0.00123	0.00024914	2.83E-08	1.11E-08	4.49E-06	5.09E-10	2.00E-10
495863.09, 3853877.25	0.0011	0.00022281	2.53E-08	9.93E-09	4.01E-06	4.55E-10	1.79E-10
496363.09, 3853877.25	0.00102	0.0002066	2.34E-08	9.21E-09	3.72E-06	4.22E-10	1.66E-10
496863.09, 3853877.25	0.00096	0.00019445	2.21E-08	8.66E-09	3.50E-06	3.97E-10	1.56E-10
497363.09, 3853877.25	0.0009	0.0001823	2.07E-08	8.12E-09	3.28E-06	3.72E-10	1.46E-10
497863.09, 3853877.25	0.00083	0.00016812	1.91E-08	7.49E-09	3.03E-06	3.43E-10	1.35E-10
498363.09, 3853877.25	0.0008	0.00016204	1.84E-08	7.22E-09	2.92E-06	3.31E-10	1.30E-10
471363.09, 3854377.25	0.00133	0.0002694	3.06E-08	1.20E-08	4.85E-06	5.50E-10	2.16E-10
471863.09, 3854377.25	0.00134	0.00027142	3.08E-08	1.21E-08	4.89E-06	5.54E-10	2.18E-10
472363.09, 3854377.25	0.00132	0.00026737	3.03E-08	1.19E-08	4.81E-06	5.46E-10	2.14E-10
472863.09, 3854377.25	0.00131	0.00026535	3.01E-08	1.18E-08	4.78E-06	5.42E-10	2.13E-10
473363.09, 3854377.25	0.00132	0.00026737	3.03E-08	1.19E-08	4.81E-06	5.46E-10	2.14E-10
473863.09, 3854377.25	0.00138	0.00027952	3.17E-08	1.25E-08	5.03E-06	5.71E-10	2.24E-10
474363.09, 3854377.25	0.00148	0.00029978	3.40E-08	1.34E-08	5.40E-06	6.12E-10	2.40E-10
474863.09, 3854377.25	0.00151	0.00030586	3.47E-08	1.36E-08	5.51E-06	6.25E-10	2.45E-10
475363.09, 3854377.25	0.00144	0.00029168	3.31E-08	1.30E-08	5.25E-06	5.96E-10	2.34E-10
475863.09, 3854377.25	0.00129	0.00026129	2.96E-08	1.16E-08	4.70E-06	5.34E-10	2.10E-10
476363.09, 3854377.25	0.00126	0.00025522	2.89E-08	1.14E-08	4.59E-06	5.21E-10	2.05E-10
476863.09, 3854377.25	0.00125	0.00025319	2.87E-08	1.13E-08	4.56E-06	5.17E-10	2.03E-10
477363.09, 3854377.25	0.00122	0.00024712	2.80E-08	1.10E-08	4.45E-06	5.05E-10	1.98E-10
477863.09, 3854377.25	0.0012	0.00024306	2.76E-08	1.08E-08	4.38E-06	4.96E-10	1.95E-10
478363.09, 3854377.25	0.00125	0.00025319	2.87E-08	1.13E-08	4.56E-06	5.17E-10	2.03E-10
478863.09, 3854377.25	0.00127	0.00025724	2.92E-08	1.15E-08	4.63E-06	5.25E-10	2.06E-10
479363.09, 3854377.25	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
479863.09, 3854377.25	0.00154	0.00031193	3.54E-08	1.39E-08	5.62E-06	6.37E-10	2.50E-10
480363.09, 3854377.25	0.00175	0.00035447	4.02E-08	1.58E-08	6.38E-06	7.24E-10	2.84E-10
480863.09, 3854377.25	0.00224	0.00045372	5.15E-08	2.02E-08	8.17E-06	9.27E-10	3.64E-10
481363.09, 3854377.25	0.00286	0.0005793	6.57E-08	2.58E-08	1.04E-05	1.18E-09	4.65E-10
481863.09, 3854377.25	0.00542	0.00109784	1.25E-07	4.89E-08	1.98E-05	2.24E-09	8.81E-10
482363.09, 3854377.25	0.00595	0.00120519	1.37E-07	5.37E-08	2.17E-05	2.46E-09	9.67E-10
482863.09, 3854377.25	0.00504	0.00102087	1.16E-07	4.55E-08	1.84E-05	2.08E-09	8.19E-10
483363.09, 3854377.25	0.00403	0.00081629	9.26E-08	3.64E-08	1.47E-05	1.67E-09	6.55E-10
483863.09, 3854377.25	0.00325	0.0006583	7.47E-08	2.93E-08	1.19E-05	1.34E-09	5.28E-10
484363.09, 3854377.25	0.00287	0.00058133	6.59E-08	2.59E-08	1.05E-05	1.19E-09	4.66E-10
484863.09, 3854377.25	0.00245	0.00049626	5.63E-08	2.21E-08	8.93E-06	1.01E-09	3.98E-10

485363.09, 3854377.25	0.00267	0.00054082	6.13E-08	2.41E-08	9.74E-06	1.10E-09	4.34E-10
485863.09, 3854377.25	0.00227	0.0004598	5.22E-08	2.05E-08	8.28E-06	9.39E-10	3.69E-10
486363.09, 3854377.25	0.0024	0.00048613	5.51E-08	2.17E-08	8.75E-06	9.93E-10	3.90E-10
486863.09, 3854377.25	0.00238	0.00048208	5.47E-08	2.15E-08	8.68E-06	9.84E-10	3.87E-10
487363.09, 3854377.25	0.00252	0.00051044	5.79E-08	2.27E-08	9.19E-06	1.04E-09	4.09E-10
487863.09, 3854377.25	0.00264	0.00053474	6.07E-08	2.38E-08	9.63E-06	1.09E-09	4.29E-10
488363.09, 3854377.25	0.00251	0.00050841	5.77E-08	2.27E-08	9.15E-06	1.04E-09	4.08E-10
488863.09, 3854377.25	0.00238	0.00048208	5.47E-08	2.15E-08	8.68E-06	9.84E-10	3.87E-10
489363.09, 3854377.25	0.00229	0.00046385	5.26E-08	2.07E-08	8.35E-06	9.47E-10	3.72E-10
489863.09, 3854377.25	0.0022	0.00044562	5.05E-08	1.99E-08	8.02E-06	9.10E-10	3.57E-10
490363.09, 3854377.25	0.00201	0.00040713	4.62E-08	1.81E-08	7.33E-06	8.31E-10	3.27E-10
490863.09, 3854377.25	0.00174	0.00035244	4.00E-08	1.57E-08	6.35E-06	7.20E-10	2.83E-10
491363.09, 3854377.25	0.00184	0.0003727	4.23E-08	1.66E-08	6.71E-06	7.61E-10	2.99E-10
491863.09, 3854377.25	0.00196	0.00039701	4.50E-08	1.77E-08	7.15E-06	8.11E-10	3.18E-10
492363.09, 3854377.25	0.002	0.00040511	4.59E-08	1.81E-08	7.29E-06	8.27E-10	3.25E-10
492863.09, 3854377.25	0.00201	0.00040713	4.62E-08	1.81E-08	7.33E-06	8.31E-10	3.27E-10
493363.09, 3854377.25	0.00191	0.00038688	4.39E-08	1.72E-08	6.97E-06	7.90E-10	3.10E-10
493863.09, 3854377.25	0.00169	0.00034232	3.88E-08	1.53E-08	6.16E-06	6.99E-10	2.75E-10
494363.09, 3854377.25	0.0016	0.00032409	3.68E-08	1.44E-08	5.83E-06	6.62E-10	2.60E-10
494863.09, 3854377.25	0.00141	0.0002856	3.24E-08	1.27E-08	5.14E-06	5.83E-10	2.29E-10
495363.09, 3854377.25	0.00123	0.00024914	2.83E-08	1.11E-08	4.49E-06	5.09E-10	2.00E-10
495863.09, 3854377.25	0.0011	0.00022281	2.53E-08	9.93E-09	4.01E-06	4.55E-10	1.79E-10
496363.09, 3854377.25	0.00103	0.00020863	2.37E-08	9.30E-09	3.76E-06	4.26E-10	1.67E-10
496863.09, 3854377.25	0.00098	0.0001985	2.25E-08	8.85E-09	3.57E-06	4.05E-10	1.59E-10
497363.09, 3854377.25	0.0009	0.0001823	2.07E-08	8.12E-09	3.28E-06	3.72E-10	1.46E-10
497863.09, 3854377.25	0.00092	0.00018635	2.11E-08	8.30E-09	3.35E-06	3.81E-10	1.49E-10
498363.09, 3854377.25	0.00091	0.00018432	2.09E-08	8.21E-09	3.32E-06	3.76E-10	1.48E-10
471363.09, 3854877.25	0.00153	0.00030991	3.52E-08	1.38E-08	5.58E-06	6.33E-10	2.49E-10
471863.09, 3854877.25	0.00156	0.00031598	3.58E-08	1.41E-08	5.69E-06	6.45E-10	2.53E-10
472363.09, 3854877.25	0.00156	0.00031598	3.58E-08	1.41E-08	5.69E-06	6.45E-10	2.53E-10
472863.09, 3854877.25	0.00151	0.00030586	3.47E-08	1.36E-08	5.51E-06	6.25E-10	2.45E-10
473363.09, 3854877.25	0.0015	0.00030383	3.45E-08	1.35E-08	5.47E-06	6.20E-10	2.44E-10
473863.09, 3854877.25	0.00148	0.00029978	3.40E-08	1.34E-08	5.40E-06	6.12E-10	2.40E-10
474363.09, 3854877.25	0.00149	0.0003018	3.42E-08	1.34E-08	5.43E-06	6.16E-10	2.42E-10
474863.09, 3854877.25	0.00136	0.00027547	3.12E-08	1.23E-08	4.96E-06	5.63E-10	2.21E-10
475363.09, 3854877.25	0.00129	0.00026129	2.96E-08	1.16E-08	4.70E-06	5.34E-10	2.10E-10
475863.09, 3854877.25	0.00124	0.00025117	2.85E-08	1.12E-08	4.52E-06	5.13E-10	2.01E-10
476363.09, 3854877.25	0.00113	0.00022889	2.60E-08	1.02E-08	4.12E-06	4.67E-10	1.84E-10
476863.09, 3854877.25	0.00112	0.00022686	2.57E-08	1.01E-08	4.08E-06	4.63E-10	1.82E-10
477363.09, 3854877.25	0.00119	0.00024104	2.73E-08	1.07E-08	4.34E-06	4.92E-10	1.93E-10
477863.09, 3854877.25	0.00126	0.00025522	2.89E-08	1.14E-08	4.59E-06	5.21E-10	2.05E-10
478363.09, 3854877.25	0.00139	0.00028155	3.19E-08	1.25E-08	5.07E-06	5.75E-10	2.26E-10
478863.09, 3854877.25	0.00157	0.00031801	3.61E-08	1.42E-08	5.73E-06	6.49E-10	2.55E-10
479363.09, 3854877.25	0.00175	0.00035447	4.02E-08	1.58E-08	6.38E-06	7.24E-10	2.84E-10
479863.09, 3854877.25	0.00188	0.0003808	4.32E-08	1.70E-08	6.86E-06	7.78E-10	3.05E-10
480363.09, 3854877.25	0.002	0.00040511	4.59E-08	1.81E-08	7.29E-06	8.27E-10	3.25E-10
480863.09, 3854877.25	0.00237	0.00048005	5.44E-08	2.14E-08	8.64E-06	9.80E-10	3.85E-10
481363.09, 3854877.25	0.00277	0.00056107	6.36E-08	2.50E-08	1.01E-05	1.15E-09	4.50E-10
481863.09, 3854877.25	0.00271	0.00054892	6.23E-08	2.45E-08	9.88E-06	1.12E-09	4.40E-10
482363.09, 3854877.25	0.0059	0.00119507	1.36E-07	5.33E-08	2.15E-05	2.44E-09	9.59E-10
482863.09, 3854877.25	0.00584	0.00118291	1.34E-07	5.27E-08	2.13E-05	2.42E-09	9.49E-10
483363.09, 3854877.25	0.00567	0.00114848	1.30E-07	5.12E-08	2.07E-05	2.35E-09	9.21E-10
483863.09, 3854877.25	0.00402	0.00081427	9.24E-08	3.63E-08	1.47E-05	1.66E-09	6.53E-10
484363.09, 3854877.25	0.00314	0.00063602	7.21E-08	2.83E-08	1.15E-05	1.30E-09	5.10E-10
484863.09, 3854877.25	0.0032	0.00064817	7.35E-08	2.89E-08	1.17E-05	1.32E-09	5.20E-10
485363.09, 3854877.25	0.00332	0.00067248	7.63E-08	3.00E-08	1.21E-05	1.37E-09	5.39E-10
485863.09, 3854877.25	0.00313	0.00063399	7.19E-08	2.83E-08	1.14E-05	1.29E-09	5.09E-10
486363.09, 3854877.25	0.00287	0.00058133	6.59E-08	2.59E-08	1.05E-05	1.19E-09	4.66E-10
486863.09, 3854877.25	0.00278	0.0005631	6.39E-08	2.51E-08	1.01E-05	1.15E-09	4.52E-10
487363.09, 3854877.25	0.003	0.00060766	6.89E-08	2.71E-08	1.09E-05	1.24E-09	4.87E-10
487863.09, 3854877.25	0.00324	0.00065627	7.44E-08	2.92E-08	1.18E-05	1.34E-09	5.26E-10

488363.09, 3854877.25	0.00329	0.0006664	7.56E-08	2.97E-08	1.20E-05	1.36E-09	5.35E-10
488863.09, 3854877.25	0.00313	0.00063399	7.19E-08	2.83E-08	1.14E-05	1.29E-09	5.09E-10
489363.09, 3854877.25	0.00294	0.00059551	6.75E-08	2.65E-08	1.07E-05	1.22E-09	4.78E-10
489863.09, 3854877.25	0.00264	0.00053474	6.07E-08	2.38E-08	9.63E-06	1.09E-09	4.29E-10
490363.09, 3854877.25	0.00212	0.00042941	4.87E-08	1.91E-08	7.73E-06	8.77E-10	3.44E-10
490863.09, 3854877.25	0.00179	0.00036257	4.11E-08	1.62E-08	6.53E-06	7.40E-10	2.91E-10
491363.09, 3854877.25	0.00178	0.00036055	4.09E-08	1.61E-08	6.49E-06	7.36E-10	2.89E-10
491863.09, 3854877.25	0.00228	0.00046182	5.24E-08	2.06E-08	8.31E-06	9.43E-10	3.70E-10
492363.09, 3854877.25	0.00234	0.00047398	5.38E-08	2.11E-08	8.53E-06	9.68E-10	3.80E-10
492863.09, 3854877.25	0.00229	0.00046385	5.26E-08	2.07E-08	8.35E-06	9.47E-10	3.72E-10
493363.09, 3854877.25	0.00218	0.00044157	5.01E-08	1.97E-08	7.95E-06	9.02E-10	3.54E-10
493863.09, 3854877.25	0.00195	0.00039498	4.48E-08	1.76E-08	7.11E-06	8.07E-10	3.17E-10
494363.09, 3854877.25	0.00158	0.00032003	3.63E-08	1.43E-08	5.76E-06	6.54E-10	2.57E-10
494863.09, 3854877.25	0.00137	0.0002775	3.15E-08	1.24E-08	5.00E-06	5.67E-10	2.23E-10
495363.09, 3854877.25	0.00122	0.00024712	2.80E-08	1.10E-08	4.45E-06	5.05E-10	1.98E-10
495863.09, 3854877.25	0.00111	0.00022483	2.55E-08	1.00E-08	4.05E-06	4.59E-10	1.80E-10
496363.09, 3854877.25	0.00099	0.00020053	2.27E-08	8.94E-09	3.61E-06	4.09E-10	1.61E-10
496863.09, 3854877.25	0.00095	0.00019243	2.18E-08	8.57E-09	3.46E-06	3.93E-10	1.54E-10
497363.09, 3854877.25	0.00095	0.00019243	2.18E-08	8.57E-09	3.46E-06	3.93E-10	1.54E-10
497863.09, 3854877.25	0.00101	0.00020458	2.32E-08	9.12E-09	3.68E-06	4.18E-10	1.64E-10
498363.09, 3854877.25	0.00105	0.00021268	2.41E-08	9.48E-09	3.83E-06	4.34E-10	1.71E-10
471363.09, 3855377.25	0.00161	0.00032611	3.70E-08	1.45E-08	5.87E-06	6.66E-10	2.62E-10
471863.09, 3855377.25	0.00164	0.00033219	3.77E-08	1.48E-08	5.98E-06	6.78E-10	2.66E-10
472363.09, 3855377.25	0.0017	0.00034434	3.91E-08	1.53E-08	6.20E-06	7.03E-10	2.76E-10
472863.09, 3855377.25	0.00172	0.00034839	3.95E-08	1.55E-08	6.27E-06	7.11E-10	2.79E-10
473363.09, 3855377.25	0.00179	0.00036257	4.11E-08	1.62E-08	6.53E-06	7.40E-10	2.91E-10
473863.09, 3855377.25	0.00181	0.00036662	4.16E-08	1.63E-08	6.60E-06	7.49E-10	2.94E-10
474363.09, 3855377.25	0.00176	0.00035649	4.04E-08	1.59E-08	6.42E-06	7.28E-10	2.86E-10
474863.09, 3855377.25	0.00154	0.00031193	3.54E-08	1.39E-08	5.62E-06	6.37E-10	2.50E-10
475363.09, 3855377.25	0.00123	0.00024914	2.83E-08	1.11E-08	4.49E-06	5.09E-10	2.00E-10
475863.09, 3855377.25	0.00116	0.00023496	2.67E-08	1.05E-08	4.23E-06	4.80E-10	1.88E-10
476363.09, 3855377.25	0.0012	0.00024306	2.76E-08	1.08E-08	4.38E-06	4.96E-10	1.95E-10
476863.09, 3855377.25	0.00121	0.00024509	2.78E-08	1.09E-08	4.41E-06	5.00E-10	1.97E-10
477363.09, 3855377.25	0.00126	0.00025522	2.89E-08	1.14E-08	4.59E-06	5.21E-10	2.05E-10
477863.09, 3855377.25	0.00138	0.00027952	3.17E-08	1.25E-08	5.03E-06	5.71E-10	2.24E-10
478363.09, 3855377.25	0.00151	0.00030586	3.47E-08	1.36E-08	5.51E-06	6.25E-10	2.45E-10
478863.09, 3855377.25	0.00167	0.00033826	3.84E-08	1.51E-08	6.09E-06	6.91E-10	2.71E-10
479363.09, 3855377.25	0.00194	0.00039295	4.46E-08	1.75E-08	7.07E-06	8.02E-10	3.15E-10
479863.09, 3855377.25	0.00215	0.00043549	4.94E-08	1.94E-08	7.84E-06	8.89E-10	3.49E-10
480363.09, 3855377.25	0.00239	0.0004841	5.49E-08	2.16E-08	8.72E-06	9.89E-10	3.88E-10
480863.09, 3855377.25	0.00279	0.00056512	6.41E-08	2.52E-08	1.02E-05	1.15E-09	4.53E-10
481363.09, 3855377.25	0.00343	0.00069476	7.88E-08	3.10E-08	1.25E-05	1.42E-09	5.57E-10
481863.09, 3855377.25	0.00448	0.00090744	1.03E-07	4.04E-08	1.63E-05	1.85E-09	7.28E-10
482363.09, 3855377.25	0.00609	0.00123355	1.40E-07	5.50E-08	2.22E-05	2.52E-09	9.90E-10
482863.09, 3855377.25	0.00644	0.00130445	1.48E-07	5.81E-08	2.35E-05	2.66E-09	1.05E-09
483363.09, 3855377.25	0.00702	0.00142193	1.61E-07	6.34E-08	2.56E-05	2.90E-09	1.14E-09
483863.09, 3855377.25	0.00665	0.00134698	1.53E-07	6.00E-08	2.43E-05	2.75E-09	1.08E-09
484363.09, 3855377.25	0.0046	0.00093175	1.06E-07	4.15E-08	1.68E-05	1.90E-09	7.47E-10
484863.09, 3855377.25	0.00422	0.00085478	9.70E-08	3.81E-08	1.54E-05	1.75E-09	6.86E-10
485363.09, 3855377.25	0.00386	0.00078186	8.87E-08	3.48E-08	1.41E-05	1.60E-09	6.27E-10
485863.09, 3855377.25	0.00399	0.00080819	9.17E-08	3.60E-08	1.46E-05	1.65E-09	6.48E-10
486363.09, 3855377.25	0.00383	0.00077578	8.80E-08	3.46E-08	1.40E-05	1.58E-09	6.22E-10
486863.09, 3855377.25	0.00345	0.00069881	7.93E-08	3.11E-08	1.26E-05	1.43E-09	5.61E-10
487363.09, 3855377.25	0.00358	0.00072514	8.22E-08	3.23E-08	1.31E-05	1.48E-09	5.82E-10
487863.09, 3855377.25	0.0039	0.00078996	8.96E-08	3.52E-08	1.42E-05	1.61E-09	6.34E-10
488363.09, 3855377.25	0.0043	0.00087098	9.88E-08	3.88E-08	1.57E-05	1.78E-09	6.99E-10
488863.09, 3855377.25	0.00433	0.00087706	9.95E-08	3.91E-08	1.58E-05	1.79E-09	7.04E-10
489363.09, 3855377.25	0.00388	0.00078591	8.91E-08	3.50E-08	1.41E-05	1.60E-09	6.30E-10
489863.09, 3855377.25	0.00344	0.00069678	7.90E-08	3.10E-08	1.25E-05	1.42E-09	5.59E-10
490363.09, 3855377.25	0.00321	0.0006502	7.37E-08	2.90E-08	1.17E-05	1.33E-09	5.22E-10
490863.09, 3855377.25	0.00226	0.00045777	5.19E-08	2.04E-08	8.24E-06	9.35E-10	3.67E-10

491363.09, 3855377.25	0.00204	0.00041321	4.69E-08	1.84E-08	7.44E-06	8.44E-10	3.31E-10
491863.09, 3855377.25	0.0026	0.00052664	5.97E-08	2.35E-08	9.48E-06	1.08E-09	4.22E-10
492363.09, 3855377.25	0.00272	0.00055095	6.25E-08	2.45E-08	9.92E-06	1.13E-09	4.42E-10
492863.09, 3855377.25	0.00261	0.00052866	6.00E-08	2.36E-08	9.52E-06	1.08E-09	4.24E-10
493363.09, 3855377.25	0.00237	0.00048005	5.44E-08	2.14E-08	8.64E-06	9.80E-10	3.85E-10
493863.09, 3855377.25	0.00191	0.00038688	4.39E-08	1.72E-08	6.97E-06	7.90E-10	3.10E-10
494363.09, 3855377.25	0.00159	0.00032206	3.65E-08	1.44E-08	5.80E-06	6.58E-10	2.58E-10
494863.09, 3855377.25	0.00138	0.00027952	3.17E-08	1.25E-08	5.03E-06	5.71E-10	2.24E-10
495363.09, 3855377.25	0.00121	0.00024509	2.78E-08	1.09E-08	4.41E-06	5.00E-10	1.97E-10
495863.09, 3855377.25	0.00108	0.00021876	2.48E-08	9.75E-09	3.94E-06	4.47E-10	1.75E-10
496363.09, 3855377.25	0.00105	0.00021268	2.41E-08	9.48E-09	3.83E-06	4.34E-10	1.71E-10
496863.09, 3855377.25	0.00106	0.00021471	2.44E-08	9.57E-09	3.87E-06	4.38E-10	1.72E-10
497363.09, 3855377.25	0.00109	0.00022078	2.50E-08	9.84E-09	3.97E-06	4.51E-10	1.77E-10
497863.09, 3855377.25	0.00115	0.00023294	2.64E-08	1.04E-08	4.19E-06	4.76E-10	1.87E-10
498363.09, 3855377.25	0.00128	0.00025927	2.94E-08	1.16E-08	4.67E-06	5.29E-10	2.08E-10
471363.09, 3855877.25	0.00171	0.00034637	3.93E-08	1.54E-08	6.24E-06	7.07E-10	2.78E-10
471863.09, 3855877.25	0.00173	0.00035042	3.97E-08	1.56E-08	6.31E-06	7.16E-10	2.81E-10
472363.09, 3855877.25	0.0018	0.0003646	4.14E-08	1.62E-08	6.56E-06	7.45E-10	2.92E-10
472863.09, 3855877.25	0.0018	0.0003646	4.14E-08	1.62E-08	6.56E-06	7.45E-10	2.92E-10
473363.09, 3855877.25	0.00189	0.00038283	4.34E-08	1.71E-08	6.89E-06	7.82E-10	3.07E-10
473863.09, 3855877.25	0.00196	0.00039701	4.50E-08	1.77E-08	7.15E-06	8.11E-10	3.18E-10
474363.09, 3855877.25	0.00198	0.00040106	4.55E-08	1.79E-08	7.22E-06	8.19E-10	3.22E-10
474863.09, 3855877.25	0.00176	0.00035649	4.04E-08	1.59E-08	6.42E-06	7.28E-10	2.86E-10
475363.09, 3855877.25	0.00146	0.00029573	3.35E-08	1.32E-08	5.32E-06	6.04E-10	2.37E-10
475863.09, 3855877.25	0.00116	0.00023496	2.67E-08	1.05E-08	4.23E-06	4.80E-10	1.88E-10
476363.09, 3855877.25	0.00117	0.00023699	2.69E-08	1.06E-08	4.27E-06	4.84E-10	1.90E-10
476863.09, 3855877.25	0.00129	0.00026129	2.96E-08	1.16E-08	4.70E-06	5.34E-10	2.10E-10
477363.09, 3855877.25	0.00133	0.0002694	3.06E-08	1.20E-08	4.85E-06	5.50E-10	2.16E-10
477863.09, 3855877.25	0.00139	0.00028155	3.19E-08	1.25E-08	5.07E-06	5.75E-10	2.26E-10
478363.09, 3855877.25	0.0015	0.00030383	3.45E-08	1.35E-08	5.47E-06	6.20E-10	2.44E-10
478863.09, 3855877.25	0.00168	0.00034029	3.86E-08	1.52E-08	6.13E-06	6.95E-10	2.73E-10
479363.09, 3855877.25	0.00194	0.00039295	4.46E-08	1.75E-08	7.07E-06	8.02E-10	3.15E-10
479863.09, 3855877.25	0.00228	0.00046182	5.24E-08	2.06E-08	8.31E-06	9.43E-10	3.70E-10
480363.09, 3855877.25	0.00285	0.00057728	6.55E-08	2.57E-08	1.04E-05	1.18E-09	4.63E-10
480863.09, 3855877.25	0.00358	0.00072514	8.22E-08	3.23E-08	1.31E-05	1.48E-09	5.82E-10
481363.09, 3855877.25	0.00336	0.00068058	7.72E-08	3.03E-08	1.23E-05	1.39E-09	5.46E-10
481863.09, 3855877.25	0.00489	0.00099049	1.12E-07	4.41E-08	1.78E-05	2.02E-09	7.95E-10
482363.09, 3855877.25	0.00646	0.0013085	1.48E-07	5.83E-08	2.36E-05	2.67E-09	1.05E-09
482863.09, 3855877.25	0.00653	0.00132267	1.50E-07	5.89E-08	2.38E-05	2.70E-09	1.06E-09
483363.09, 3855877.25	0.00713	0.00144421	1.64E-07	6.44E-08	2.60E-05	2.95E-09	1.16E-09
483863.09, 3855877.25	0.00785	0.00159005	1.80E-07	7.09E-08	2.86E-05	3.25E-09	1.28E-09
484363.09, 3855877.25	0.00701	0.0014199	1.61E-07	6.33E-08	2.56E-05	2.90E-09	1.14E-09
484863.09, 3855877.25	0.00596	0.00120722	1.37E-07	5.38E-08	2.17E-05	2.47E-09	9.68E-10
485363.09, 3855877.25	0.00535	0.00108366	1.23E-07	4.83E-08	1.95E-05	2.21E-09	8.69E-10
485863.09, 3855877.25	0.00451	0.00091352	1.04E-07	4.07E-08	1.64E-05	1.87E-09	7.33E-10
486363.09, 3855877.25	0.0042	0.00085073	9.65E-08	3.79E-08	1.53E-05	1.74E-09	6.82E-10
486863.09, 3855877.25	0.00437	0.00088516	1.00E-07	3.94E-08	1.59E-05	1.81E-09	7.10E-10
487363.09, 3855877.25	0.00467	0.00094593	1.07E-07	4.22E-08	1.70E-05	1.93E-09	7.59E-10
487863.09, 3855877.25	0.0048	0.00097226	1.10E-07	4.33E-08	1.75E-05	1.99E-09	7.80E-10
488363.09, 3855877.25	0.00519	0.00105125	1.19E-07	4.68E-08	1.89E-05	2.15E-09	8.43E-10
488863.09, 3855877.25	0.00568	0.0011505	1.30E-07	5.13E-08	2.07E-05	2.35E-09	9.23E-10
489363.09, 3855877.25	0.00558	0.00113025	1.28E-07	5.04E-08	2.03E-05	2.31E-09	9.07E-10
489863.09, 3855877.25	0.00489	0.00099049	1.12E-07	4.41E-08	1.78E-05	2.02E-09	7.95E-10
490363.09, 3855877.25	0.00445	0.00090136	1.02E-07	4.02E-08	1.62E-05	1.84E-09	7.23E-10
490863.09, 3855877.25	0.00374	0.00075755	8.59E-08	3.38E-08	1.36E-05	1.55E-09	6.08E-10
491363.09, 3855877.25	0.00298	0.00060361	6.85E-08	2.69E-08	1.09E-05	1.23E-09	4.84E-10
491863.09, 3855877.25	0.00323	0.00065425	7.42E-08	2.92E-08	1.18E-05	1.34E-09	5.25E-10
492363.09, 3855877.25	0.00309	0.00062589	7.10E-08	2.79E-08	1.13E-05	1.28E-09	5.02E-10
492863.09, 3855877.25	0.00294	0.00059551	6.75E-08	2.65E-08	1.07E-05	1.22E-09	4.78E-10
493363.09, 3855877.25	0.00243	0.00049221	5.58E-08	2.19E-08	8.86E-06	1.01E-09	3.95E-10
493863.09, 3855877.25	0.002	0.00040511	4.59E-08	1.81E-08	7.29E-06	8.27E-10	3.25E-10

494363.09, 3855877.25	0.00164	0.00033219	3.77E-08	1.48E-08	5.98E-06	6.78E-10	2.66E-10
494863.09, 3855877.25	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
495363.09, 3855877.25	0.0012	0.00024306	2.76E-08	1.08E-08	4.38E-06	4.96E-10	1.95E-10
495863.09, 3855877.25	0.00114	0.00023091	2.62E-08	1.03E-08	4.16E-06	4.72E-10	1.85E-10
496363.09, 3855877.25	0.00116	0.00023496	2.67E-08	1.05E-08	4.23E-06	4.80E-10	1.88E-10
496863.09, 3855877.25	0.00121	0.00024509	2.78E-08	1.09E-08	4.41E-06	5.00E-10	1.97E-10
497363.09, 3855877.25	0.00127	0.00025724	2.92E-08	1.15E-08	4.63E-06	5.25E-10	2.06E-10
497863.09, 3855877.25	0.00139	0.00028155	3.19E-08	1.25E-08	5.07E-06	5.75E-10	2.26E-10
498363.09, 3855877.25	0.00165	0.00033421	3.79E-08	1.49E-08	6.02E-06	6.82E-10	2.68E-10
471363.09, 3856377.25	0.00171	0.00034637	3.93E-08	1.54E-08	6.24E-06	7.07E-10	2.78E-10
471863.09, 3856377.25	0.00176	0.00035649	4.04E-08	1.59E-08	6.42E-06	7.28E-10	2.86E-10
472363.09, 3856377.25	0.00185	0.00037472	4.25E-08	1.67E-08	6.75E-06	7.65E-10	3.01E-10
472863.09, 3856377.25	0.00196	0.00039701	4.50E-08	1.77E-08	7.15E-06	8.11E-10	3.18E-10
473363.09, 3856377.25	0.00203	0.00041118	4.66E-08	1.83E-08	7.40E-06	8.40E-10	3.30E-10
473863.09, 3856377.25	0.00215	0.00043549	4.94E-08	1.94E-08	7.84E-06	8.89E-10	3.49E-10
474363.09, 3856377.25	0.00207	0.00041929	4.76E-08	1.87E-08	7.55E-06	8.56E-10	3.36E-10
474863.09, 3856377.25	0.00194	0.00039295	4.46E-08	1.75E-08	7.07E-06	8.02E-10	3.15E-10
475363.09, 3856377.25	0.00174	0.00035244	4.00E-08	1.57E-08	6.35E-06	7.20E-10	2.83E-10
475863.09, 3856377.25	0.00159	0.00032206	3.65E-08	1.44E-08	5.80E-06	6.58E-10	2.58E-10
476363.09, 3856377.25	0.00156	0.00031598	3.58E-08	1.41E-08	5.69E-06	6.45E-10	2.53E-10
476863.09, 3856377.25	0.00155	0.00031396	3.56E-08	1.40E-08	5.65E-06	6.41E-10	2.52E-10
477363.09, 3856377.25	0.00155	0.00031396	3.56E-08	1.40E-08	5.65E-06	6.41E-10	2.52E-10
477863.09, 3856377.25	0.00144	0.00029168	3.31E-08	1.30E-08	5.25E-06	5.96E-10	2.34E-10
478363.09, 3856377.25	0.00139	0.00028155	3.19E-08	1.25E-08	5.07E-06	5.75E-10	2.26E-10
478863.09, 3856377.25	0.00159	0.00032206	3.65E-08	1.44E-08	5.80E-06	6.58E-10	2.58E-10
479363.09, 3856377.25	0.0017	0.00034434	3.91E-08	1.53E-08	6.20E-06	7.03E-10	2.76E-10
479863.09, 3856377.25	0.00201	0.00040713	4.62E-08	1.81E-08	7.33E-06	8.31E-10	3.27E-10
480363.09, 3856377.25	0.00251	0.00050841	5.77E-08	2.27E-08	9.15E-06	1.04E-09	4.08E-10
480863.09, 3856377.25	0.0033	0.00066843	7.58E-08	2.98E-08	1.20E-05	1.36E-09	5.36E-10
481363.09, 3856377.25	0.00451	0.00091352	1.04E-07	4.07E-08	1.64E-05	1.87E-09	7.33E-10
481863.09, 3856377.25	0.00659	0.00133483	1.51E-07	5.95E-08	2.40E-05	2.73E-09	1.07E-09
482363.09, 3856377.25	0.00831	0.00168322	1.91E-07	7.50E-08	3.03E-05	3.44E-09	1.35E-09
482863.09, 3856377.25	0.00793	0.00160625	1.82E-07	7.16E-08	2.89E-05	3.28E-09	1.29E-09
483363.09, 3856377.25	0.00766	0.00155156	1.76E-07	6.91E-08	2.79E-05	3.17E-09	1.24E-09
483863.09, 3856377.25	0.00772	0.00156371	1.77E-07	6.97E-08	2.82E-05	3.19E-09	1.25E-09
484363.09, 3856377.25	0.00849	0.00171968	1.95E-07	7.66E-08	3.10E-05	3.51E-09	1.38E-09
484863.09, 3856377.25	0.00885	0.0017926	2.03E-07	7.99E-08	3.23E-05	3.66E-09	1.44E-09
485363.09, 3856377.25	0.00747	0.00151308	1.72E-07	6.74E-08	2.72E-05	3.09E-09	1.21E-09
485863.09, 3856377.25	0.00637	0.00129027	1.46E-07	5.75E-08	2.32E-05	2.63E-09	1.04E-09
486363.09, 3856377.25	0.00471	0.00095403	1.08E-07	4.25E-08	1.72E-05	1.95E-09	7.65E-10
486863.09, 3856377.25	0.00479	0.00097023	1.10E-07	4.32E-08	1.75E-05	1.98E-09	7.78E-10
487363.09, 3856377.25	0.00551	0.00111607	1.27E-07	4.97E-08	2.01E-05	2.28E-09	8.95E-10
487863.09, 3856377.25	0.00643	0.00130242	1.48E-07	5.80E-08	2.34E-05	2.66E-09	1.04E-09
488363.09, 3856377.25	0.00651	0.00131862	1.50E-07	5.88E-08	2.37E-05	2.69E-09	1.06E-09
488863.09, 3856377.25	0.00698	0.00141382	1.60E-07	6.30E-08	2.55E-05	2.89E-09	1.13E-09
489363.09, 3856377.25	0.00747	0.00151308	1.72E-07	6.74E-08	2.72E-05	3.09E-09	1.21E-09
489863.09, 3856377.25	0.00736	0.00149079	1.69E-07	6.64E-08	2.68E-05	3.04E-09	1.20E-09
490363.09, 3856377.25	0.00608	0.00123153	1.40E-07	5.49E-08	2.22E-05	2.51E-09	9.88E-10
490863.09, 3856377.25	0.00508	0.00102897	1.17E-07	4.59E-08	1.85E-05	2.10E-09	8.25E-10
491363.09, 3856377.25	0.00468	0.00094795	1.08E-07	4.22E-08	1.71E-05	1.94E-09	7.60E-10
491863.09, 3856377.25	0.00403	0.00081629	9.26E-08	3.64E-08	1.47E-05	1.67E-09	6.55E-10
492363.09, 3856377.25	0.00344	0.00069678	7.90E-08	3.10E-08	1.25E-05	1.42E-09	5.59E-10
492863.09, 3856377.25	0.00295	0.00059753	6.78E-08	2.66E-08	1.08E-05	1.22E-09	4.79E-10
493363.09, 3856377.25	0.00235	0.000476	5.40E-08	2.12E-08	8.57E-06	9.72E-10	3.82E-10
493863.09, 3856377.25	0.00209	0.00042334	4.80E-08	1.89E-08	7.62E-06	8.64E-10	3.40E-10
494363.09, 3856377.25	0.00176	0.00035649	4.04E-08	1.59E-08	6.42E-06	7.28E-10	2.86E-10
494863.09, 3856377.25	0.00152	0.00030788	3.49E-08	1.37E-08	5.54E-06	6.29E-10	2.47E-10
495363.09, 3856377.25	0.00135	0.00027345	3.10E-08	1.22E-08	4.92E-06	5.58E-10	2.19E-10
495863.09, 3856377.25	0.0013	0.00026332	2.99E-08	1.17E-08	4.74E-06	5.38E-10	2.11E-10
496363.09, 3856377.25	0.00133	0.0002694	3.06E-08	1.20E-08	4.85E-06	5.50E-10	2.16E-10
496863.09, 3856377.25	0.00142	0.00028763	3.26E-08	1.28E-08	5.18E-06	5.87E-10	2.31E-10

497363.09, 3856377.25	0.00155	0.00031396	3.56E-08	1.40E-08	5.65E-06	6.41E-10	2.52E-10
497863.09, 3856377.25	0.00176	0.00035649	4.04E-08	1.59E-08	6.42E-06	7.28E-10	2.86E-10
498363.09, 3856377.25	0.00213	0.00043144	4.89E-08	1.92E-08	7.77E-06	8.81E-10	3.46E-10
471363.09, 3856877.25	0.00167	0.00033826	3.84E-08	1.51E-08	6.09E-06	6.91E-10	2.71E-10
471863.09, 3856877.25	0.00171	0.00034637	3.93E-08	1.54E-08	6.24E-06	7.07E-10	2.78E-10
472363.09, 3856877.25	0.00181	0.00036662	4.16E-08	1.63E-08	6.60E-06	7.49E-10	2.94E-10
472863.09, 3856877.25	0.0019	0.00038485	4.37E-08	1.71E-08	6.93E-06	7.86E-10	3.09E-10
473363.09, 3856877.25	0.00209	0.00042334	4.80E-08	1.89E-08	7.62E-06	8.64E-10	3.40E-10
473863.09, 3856877.25	0.0022	0.00044562	5.05E-08	1.99E-08	8.02E-06	9.10E-10	3.57E-10
474363.09, 3856877.25	0.00214	0.00043346	4.92E-08	1.93E-08	7.80E-06	8.85E-10	3.48E-10
474863.09, 3856877.25	0.00202	0.00040916	4.64E-08	1.82E-08	7.37E-06	8.36E-10	3.28E-10
475363.09, 3856877.25	0.00189	0.00038283	4.34E-08	1.71E-08	6.89E-06	7.82E-10	3.07E-10
475863.09, 3856877.25	0.00185	0.00037472	4.25E-08	1.67E-08	6.75E-06	7.65E-10	3.01E-10
476363.09, 3856877.25	0.00178	0.00036055	4.09E-08	1.61E-08	6.49E-06	7.36E-10	2.89E-10
476863.09, 3856877.25	0.00179	0.00036257	4.11E-08	1.62E-08	6.53E-06	7.40E-10	2.91E-10
477363.09, 3856877.25	0.00175	0.00035447	4.02E-08	1.58E-08	6.38E-06	7.24E-10	2.84E-10
477863.09, 3856877.25	0.0016	0.00032409	3.68E-08	1.44E-08	5.83E-06	6.62E-10	2.60E-10
478363.09, 3856877.25	0.00153	0.00030991	3.52E-08	1.38E-08	5.58E-06	6.33E-10	2.49E-10
478863.09, 3856877.25	0.00161	0.00032611	3.70E-08	1.45E-08	5.87E-06	6.66E-10	2.62E-10
479363.09, 3856877.25	0.00169	0.00034232	3.88E-08	1.53E-08	6.16E-06	6.99E-10	2.75E-10
479863.09, 3856877.25	0.00212	0.00042941	4.87E-08	1.91E-08	7.73E-06	8.77E-10	3.44E-10
480363.09, 3856877.25	0.00242	0.00049018	5.56E-08	2.18E-08	8.82E-06	1.00E-09	3.93E-10
480863.09, 3856877.25	0.00289	0.00058538	6.64E-08	2.61E-08	1.05E-05	1.20E-09	4.70E-10
481363.09, 3856877.25	0.00364	0.0007373	8.36E-08	3.29E-08	1.33E-05	1.51E-09	5.91E-10
481863.09, 3856877.25	0.00466	0.0009439	1.07E-07	4.21E-08	1.70E-05	1.93E-09	7.57E-10
482363.09, 3856877.25	0.00781	0.00158194	1.79E-07	7.05E-08	2.85E-05	3.23E-09	1.27E-09
482863.09, 3856877.25	0.00946	0.00191616	2.17E-07	8.54E-08	3.45E-05	3.91E-09	1.54E-09
483363.09, 3856877.25	0.00992	0.00200933	2.28E-07	8.95E-08	3.62E-05	4.10E-09	1.61E-09
483863.09, 3856877.25	0.00961	0.00194654	2.21E-07	8.67E-08	3.50E-05	3.97E-09	1.56E-09
484363.09, 3856877.25	0.00908	0.00183919	2.09E-07	8.20E-08	3.31E-05	3.76E-09	1.48E-09
484863.09, 3856877.25	0.00938	0.00189995	2.16E-07	8.47E-08	3.42E-05	3.88E-09	1.52E-09
485363.09, 3856877.25	0.00913	0.00184931	2.10E-07	8.24E-08	3.33E-05	3.78E-09	1.48E-09
485863.09, 3856877.25	0.0085	0.00172171	1.95E-07	7.67E-08	3.10E-05	3.52E-09	1.38E-09
486363.09, 3856877.25	0.00556	0.0011262	1.28E-07	5.02E-08	2.03E-05	2.30E-09	9.03E-10
486863.09, 3856877.25	0.00591	0.00119709	1.36E-07	5.33E-08	2.16E-05	2.44E-09	9.60E-10
487363.09, 3856877.25	0.00631	0.00127811	1.45E-07	5.70E-08	2.30E-05	2.61E-09	1.03E-09
487863.09, 3856877.25	0.00707	0.00143205	1.62E-07	6.38E-08	2.58E-05	2.92E-09	1.15E-09
488363.09, 3856877.25	0.00858	0.00173791	1.97E-07	7.74E-08	3.13E-05	3.55E-09	1.39E-09
488863.09, 3856877.25	0.00895	0.00181285	2.06E-07	8.08E-08	3.26E-05	3.70E-09	1.45E-09
489363.09, 3856877.25	0.00936	0.0018959	2.15E-07	8.45E-08	3.41E-05	3.87E-09	1.52E-09
489863.09, 3856877.25	0.00944	0.00191211	2.17E-07	8.52E-08	3.44E-05	3.90E-09	1.53E-09
490363.09, 3856877.25	0.00854	0.00172981	1.96E-07	7.71E-08	3.11E-05	3.53E-09	1.39E-09
490863.09, 3856877.25	0.00694	0.00140572	1.59E-07	6.26E-08	2.53E-05	2.87E-09	1.13E-09
491363.09, 3856877.25	0.0057	0.00115456	1.31E-07	5.14E-08	2.08E-05	2.36E-09	9.26E-10
491863.09, 3856877.25	0.00499	0.00101074	1.15E-07	4.50E-08	1.82E-05	2.06E-09	8.11E-10
492363.09, 3856877.25	0.00356	0.00072109	8.18E-08	3.21E-08	1.30E-05	1.47E-09	5.78E-10
492863.09, 3856877.25	0.00312	0.00063197	7.17E-08	2.82E-08	1.14E-05	1.29E-09	5.07E-10
493363.09, 3856877.25	0.0027	0.00054689	6.20E-08	2.44E-08	9.85E-06	1.12E-09	4.39E-10
493863.09, 3856877.25	0.00229	0.00046385	5.26E-08	2.07E-08	8.35E-06	9.47E-10	3.72E-10
494363.09, 3856877.25	0.00193	0.00039093	4.43E-08	1.74E-08	7.04E-06	7.98E-10	3.14E-10
494863.09, 3856877.25	0.00176	0.00035649	4.04E-08	1.59E-08	6.42E-06	7.28E-10	2.86E-10
495363.09, 3856877.25	0.00165	0.00033421	3.79E-08	1.49E-08	6.02E-06	6.82E-10	2.68E-10
495863.09, 3856877.25	0.00161	0.00032611	3.70E-08	1.45E-08	5.87E-06	6.66E-10	2.62E-10
496363.09, 3856877.25	0.00165	0.00033421	3.79E-08	1.49E-08	6.02E-06	6.82E-10	2.68E-10
496863.09, 3856877.25	0.00177	0.00035852	4.07E-08	1.60E-08	6.45E-06	7.32E-10	2.88E-10
497363.09, 3856877.25	0.00194	0.00039295	4.46E-08	1.75E-08	7.07E-06	8.02E-10	3.15E-10
497863.09, 3856877.25	0.00233	0.00047195	5.35E-08	2.10E-08	8.50E-06	9.64E-10	3.79E-10
498363.09, 3856877.25	0.00291	0.00058943	6.69E-08	2.63E-08	1.06E-05	1.20E-09	4.73E-10
471363.09, 3857377.25	0.00148	0.00029978	3.40E-08	1.34E-08	5.40E-06	6.12E-10	2.40E-10
471863.09, 3857377.25	0.00155	0.00031396	3.56E-08	1.40E-08	5.65E-06	6.41E-10	2.52E-10
472363.09, 3857377.25	0.00166	0.00033624	3.81E-08	1.50E-08	6.05E-06	6.87E-10	2.70E-10

472863.09, 3857377.25	0.00179	0.00036257	4.11E-08	1.62E-08	6.53E-06	7.40E-10	2.91E-10
473363.09, 3857377.25	0.00195	0.00039498	4.48E-08	1.76E-08	7.11E-06	8.07E-10	3.17E-10
473863.09, 3857377.25	0.00215	0.00043549	4.94E-08	1.94E-08	7.84E-06	8.89E-10	3.49E-10
474363.09, 3857377.25	0.00203	0.00041118	4.66E-08	1.83E-08	7.40E-06	8.40E-10	3.30E-10
474863.09, 3857377.25	0.00177	0.00035852	4.07E-08	1.60E-08	6.45E-06	7.32E-10	2.88E-10
475363.09, 3857377.25	0.00159	0.00032206	3.65E-08	1.44E-08	5.80E-06	6.58E-10	2.58E-10
475863.09, 3857377.25	0.00159	0.00032206	3.65E-08	1.44E-08	5.80E-06	6.58E-10	2.58E-10
476363.09, 3857377.25	0.00177	0.00035852	4.07E-08	1.60E-08	6.45E-06	7.32E-10	2.88E-10
476863.09, 3857377.25	0.00186	0.00037675	4.27E-08	1.68E-08	6.78E-06	7.69E-10	3.02E-10
477363.09, 3857377.25	0.00179	0.00036257	4.11E-08	1.62E-08	6.53E-06	7.40E-10	2.91E-10
477863.09, 3857377.25	0.00169	0.00034232	3.88E-08	1.53E-08	6.16E-06	6.99E-10	2.75E-10
478363.09, 3857377.25	0.00161	0.00032611	3.70E-08	1.45E-08	5.87E-06	6.66E-10	2.62E-10
478863.09, 3857377.25	0.00158	0.00032003	3.63E-08	1.43E-08	5.76E-06	6.54E-10	2.57E-10
479363.09, 3857377.25	0.0018	0.0003646	4.14E-08	1.62E-08	6.56E-06	7.45E-10	2.92E-10
479863.09, 3857377.25	0.0024	0.00048613	5.51E-08	2.17E-08	8.75E-06	9.93E-10	3.90E-10
480363.09, 3857377.25	0.00217	0.00043954	4.99E-08	1.96E-08	7.91E-06	8.98E-10	3.53E-10
480863.09, 3857377.25	0.00356	0.00072109	8.18E-08	3.21E-08	1.30E-05	1.47E-09	5.78E-10
481363.09, 3857377.25	0.0035	0.00070894	8.04E-08	3.16E-08	1.28E-05	1.45E-09	5.69E-10
481863.09, 3857377.25	0.00377	0.00076363	8.66E-08	3.40E-08	1.37E-05	1.56E-09	6.13E-10
482363.09, 3857377.25	0.0052	0.00105328	1.19E-07	4.69E-08	1.90E-05	2.15E-09	8.45E-10
482863.09, 3857377.25	0.00684	0.00138547	1.57E-07	6.17E-08	2.49E-05	2.83E-09	1.11E-09
483363.09, 3857377.25	0.00871	0.00176424	2.00E-07	7.86E-08	3.18E-05	3.60E-09	1.42E-09
483863.09, 3857377.25	0.01049	0.00212479	2.41E-07	9.47E-08	3.83E-05	4.34E-09	1.70E-09
484363.09, 3857377.25	0.01164	0.00235772	2.67E-07	1.05E-07	4.24E-05	4.81E-09	1.89E-09
484863.09, 3857377.25	0.01169	0.00236785	2.69E-07	1.06E-07	4.26E-05	4.84E-09	1.90E-09
485363.09, 3857377.25	0.01138	0.00230506	2.61E-07	1.03E-07	4.15E-05	4.71E-09	1.85E-09
485863.09, 3857377.25	0.01156	0.00234152	2.66E-07	1.04E-07	4.22E-05	4.78E-09	1.88E-09
486363.09, 3857377.25	0.0088	0.00178247	2.02E-07	7.94E-08	3.21E-05	3.64E-09	1.43E-09
486863.09, 3857377.25	0.00681	0.00137939	1.56E-07	6.15E-08	2.48E-05	2.82E-09	1.11E-09
487363.09, 3857377.25	0.00776	0.00157182	1.78E-07	7.00E-08	2.83E-05	3.21E-09	1.26E-09
487863.09, 3857377.25	0.00883	0.00178855	2.03E-07	7.97E-08	3.22E-05	3.65E-09	1.43E-09
488363.09, 3857377.25	0.00962	0.00194857	2.21E-07	8.68E-08	3.51E-05	3.98E-09	1.56E-09
488863.09, 3857377.25	0.01101	0.00223012	2.53E-07	9.94E-08	4.01E-05	4.55E-09	1.79E-09
489363.09, 3857377.25	0.0119	0.00241039	2.73E-07	1.07E-07	4.34E-05	4.92E-09	1.93E-09
489863.09, 3857377.25	0.01094	0.00221594	2.51E-07	9.87E-08	3.99E-05	4.53E-09	1.78E-09
490363.09, 3857377.25	0.01016	0.00205794	2.33E-07	9.17E-08	3.71E-05	4.20E-09	1.65E-09
490863.09, 3857377.25	0.00956	0.00193641	2.20E-07	8.63E-08	3.49E-05	3.95E-09	1.55E-09
491363.09, 3857377.25	0.00793	0.00160625	1.82E-07	7.16E-08	2.89E-05	3.28E-09	1.29E-09
491863.09, 3857377.25	0.00591	0.00119709	1.36E-07	5.33E-08	2.16E-05	2.44E-09	9.60E-10
492363.09, 3857377.25	0.00403	0.00081629	9.26E-08	3.64E-08	1.47E-05	1.67E-09	6.55E-10
492863.09, 3857377.25	0.00334	0.00067653	7.67E-08	3.01E-08	1.22E-05	1.38E-09	5.43E-10
493363.09, 3857377.25	0.00284	0.00057525	6.52E-08	2.56E-08	1.04E-05	1.17E-09	4.61E-10
493863.09, 3857377.25	0.00262	0.00053069	6.02E-08	2.36E-08	9.55E-06	1.08E-09	4.26E-10
494363.09, 3857377.25	0.00236	0.00047803	5.42E-08	2.13E-08	8.61E-06	9.76E-10	3.83E-10
494863.09, 3857377.25	0.00221	0.00044764	5.08E-08	1.99E-08	8.06E-06	9.14E-10	3.59E-10
495363.09, 3857377.25	0.00213	0.00043144	4.89E-08	1.92E-08	7.77E-06	8.81E-10	3.46E-10
495863.09, 3857377.25	0.0021	0.00042536	4.82E-08	1.90E-08	7.66E-06	8.69E-10	3.41E-10
496363.09, 3857377.25	0.00219	0.00044359	5.03E-08	1.98E-08	7.99E-06	9.06E-10	3.56E-10
496863.09, 3857377.25	0.00233	0.00047195	5.35E-08	2.10E-08	8.50E-06	9.64E-10	3.79E-10
497363.09, 3857377.25	0.00263	0.00053272	6.04E-08	2.37E-08	9.59E-06	1.09E-09	4.27E-10
497863.09, 3857377.25	0.0032	0.00064817	7.35E-08	2.89E-08	1.17E-05	1.32E-09	5.20E-10
498363.09, 3857377.25	0.00417	0.00084465	9.58E-08	3.76E-08	1.52E-05	1.72E-09	6.78E-10
471363.09, 3857877.25	0.00137	0.0002775	3.15E-08	1.24E-08	5.00E-06	5.67E-10	2.23E-10
471863.09, 3857877.25	0.00138	0.00027952	3.17E-08	1.25E-08	5.03E-06	5.71E-10	2.24E-10
472363.09, 3857877.25	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
472863.09, 3857877.25	0.00154	0.00031193	3.54E-08	1.39E-08	5.62E-06	6.37E-10	2.50E-10
473363.09, 3857877.25	0.00164	0.00033219	3.77E-08	1.48E-08	5.98E-06	6.78E-10	2.66E-10
473863.09, 3857877.25	0.0018	0.0003646	4.14E-08	1.62E-08	6.56E-06	7.45E-10	2.92E-10
474363.09, 3857877.25	0.00171	0.00034637	3.93E-08	1.54E-08	6.24E-06	7.07E-10	2.78E-10
474863.09, 3857877.25	0.00158	0.00032003	3.63E-08	1.43E-08	5.76E-06	6.54E-10	2.57E-10
475363.09, 3857877.25	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10

475863.09, 3857877.25	0.00119	0.00024104	2.73E-08	1.07E-08	4.34E-06	4.92E-10	1.93E-10
476363.09, 3857877.25	0.00157	0.00031801	3.61E-08	1.42E-08	5.73E-06	6.49E-10	2.55E-10
476863.09, 3857877.25	0.00172	0.00034839	3.95E-08	1.55E-08	6.27E-06	7.11E-10	2.79E-10
477363.09, 3857877.25	0.00174	0.00035244	4.00E-08	1.57E-08	6.35E-06	7.20E-10	2.83E-10
477863.09, 3857877.25	0.00176	0.00035649	4.04E-08	1.59E-08	6.42E-06	7.28E-10	2.86E-10
478363.09, 3857877.25	0.00152	0.00030788	3.49E-08	1.37E-08	5.54E-06	6.29E-10	2.47E-10
478863.09, 3857877.25	0.00147	0.00029775	3.38E-08	1.33E-08	5.36E-06	6.08E-10	2.39E-10
479363.09, 3857877.25	0.00247	0.00050031	5.67E-08	2.23E-08	9.01E-06	1.02E-09	4.01E-10
479863.09, 3857877.25	0.00329	0.0006664	7.56E-08	2.97E-08	1.20E-05	1.36E-09	5.35E-10
480363.09, 3857877.25	0.00375	0.00075958	8.62E-08	3.38E-08	1.37E-05	1.55E-09	6.09E-10
480863.09, 3857877.25	0.00395	0.00080009	9.07E-08	3.57E-08	1.44E-05	1.63E-09	6.42E-10
481363.09, 3857877.25	0.00414	0.00083857	9.51E-08	3.74E-08	1.51E-05	1.71E-09	6.73E-10
481863.09, 3857877.25	0.00454	0.00091959	1.04E-07	4.10E-08	1.66E-05	1.88E-09	7.38E-10
482363.09, 3857877.25	0.00556	0.0011262	1.28E-07	5.02E-08	2.03E-05	2.30E-09	9.03E-10
482863.09, 3857877.25	0.00747	0.00151308	1.72E-07	6.74E-08	2.72E-05	3.09E-09	1.21E-09
483363.09, 3857877.25	0.00751	0.00152118	1.73E-07	6.78E-08	2.74E-05	3.11E-09	1.22E-09
483863.09, 3857877.25	0.0078	0.00157992	1.79E-07	7.04E-08	2.84E-05	3.23E-09	1.27E-09
484363.09, 3857877.25	0.00925	0.00187362	2.13E-07	8.35E-08	3.37E-05	3.83E-09	1.50E-09
484863.09, 3857877.25	0.01142	0.00231316	2.62E-07	1.03E-07	4.16E-05	4.72E-09	1.86E-09
485363.09, 3857877.25	0.01342	0.00271827	3.08E-07	1.21E-07	4.89E-05	5.55E-09	2.18E-09
485863.09, 3857877.25	0.01412	0.00286006	3.24E-07	1.27E-07	5.15E-05	5.84E-09	2.29E-09
486363.09, 3857877.25	0.01388	0.00281144	3.19E-07	1.25E-07	5.06E-05	5.74E-09	2.26E-09
486863.09, 3857877.25	0.01317	0.00266763	3.03E-07	1.19E-07	4.80E-05	5.45E-09	2.14E-09
487363.09, 3857877.25	0.01132	0.00229291	2.60E-07	1.02E-07	4.13E-05	4.68E-09	1.84E-09
487863.09, 3857877.25	0.01097	0.00222201	2.52E-07	9.90E-08	4.00E-05	4.54E-09	1.78E-09
488363.09, 3857877.25	0.01212	0.00245495	2.78E-07	1.09E-07	4.42E-05	5.01E-09	1.97E-09
488863.09, 3857877.25	0.01324	0.00268181	3.04E-07	1.20E-07	4.83E-05	5.48E-09	2.15E-09
489363.09, 3857877.25	0.01276	0.00258458	2.93E-07	1.15E-07	4.65E-05	5.28E-09	2.07E-09
489863.09, 3857877.25	0.01249	0.00252989	2.87E-07	1.13E-07	4.55E-05	5.17E-09	2.03E-09
490363.09, 3857877.25	0.01244	0.00251977	2.86E-07	1.12E-07	4.54E-05	5.15E-09	2.02E-09
490863.09, 3857877.25	0.01161	0.00235165	2.67E-07	1.05E-07	4.23E-05	4.80E-09	1.89E-09
491363.09, 3857877.25	0.00943	0.00191008	2.17E-07	8.51E-08	3.44E-05	3.90E-09	1.53E-09
491863.09, 3857877.25	0.00664	0.00134496	1.53E-07	5.99E-08	2.42E-05	2.75E-09	1.08E-09
492363.09, 3857877.25	0.00454	0.00091959	1.04E-07	4.10E-08	1.66E-05	1.88E-09	7.38E-10
492863.09, 3857877.25	0.00378	0.00076565	8.68E-08	3.41E-08	1.38E-05	1.56E-09	6.14E-10
493363.09, 3857877.25	0.00347	0.00070286	7.97E-08	3.13E-08	1.27E-05	1.44E-09	5.64E-10
493863.09, 3857877.25	0.0033	0.00066843	7.58E-08	2.98E-08	1.20E-05	1.36E-09	5.36E-10
494363.09, 3857877.25	0.00311	0.00062994	7.15E-08	2.81E-08	1.13E-05	1.29E-09	5.05E-10
494863.09, 3857877.25	0.00293	0.00059348	6.73E-08	2.64E-08	1.07E-05	1.21E-09	4.76E-10
495363.09, 3857877.25	0.00288	0.00058335	6.62E-08	2.60E-08	1.05E-05	1.19E-09	4.68E-10
495863.09, 3857877.25	0.00291	0.00058943	6.69E-08	2.63E-08	1.06E-05	1.20E-09	4.73E-10
496363.09, 3857877.25	0.00302	0.00061171	6.94E-08	2.73E-08	1.10E-05	1.25E-09	4.91E-10
496863.09, 3857877.25	0.00331	0.00067045	7.60E-08	2.99E-08	1.21E-05	1.37E-09	5.38E-10
497363.09, 3857877.25	0.00375	0.00075958	8.62E-08	3.38E-08	1.37E-05	1.55E-09	6.09E-10
497863.09, 3857877.25	0.00469	0.00094998	1.08E-07	4.23E-08	1.71E-05	1.94E-09	7.62E-10
498363.09, 3857877.25	0.00604	0.00122342	1.39E-07	5.45E-08	2.20E-05	2.50E-09	9.81E-10
471363.09, 3858377.25	0.00166	0.00033624	3.81E-08	1.50E-08	6.05E-06	6.87E-10	2.70E-10
471863.09, 3858377.25	0.00164	0.00033219	3.77E-08	1.48E-08	5.98E-06	6.78E-10	2.66E-10
472363.09, 3858377.25	0.00162	0.00032814	3.72E-08	1.46E-08	5.91E-06	6.70E-10	2.63E-10
472863.09, 3858377.25	0.00165	0.00033421	3.79E-08	1.49E-08	6.02E-06	6.82E-10	2.68E-10
473363.09, 3858377.25	0.00176	0.00035649	4.04E-08	1.59E-08	6.42E-06	7.28E-10	2.86E-10
473863.09, 3858377.25	0.00169	0.00034232	3.88E-08	1.53E-08	6.16E-06	6.99E-10	2.75E-10
474363.09, 3858377.25	0.00155	0.00031396	3.56E-08	1.40E-08	5.65E-06	6.41E-10	2.52E-10
474863.09, 3858377.25	0.00146	0.00029573	3.35E-08	1.32E-08	5.32E-06	6.04E-10	2.37E-10
475363.09, 3858377.25	0.00139	0.00028155	3.19E-08	1.25E-08	5.07E-06	5.75E-10	2.26E-10
475863.09, 3858377.25	0.00135	0.00027345	3.10E-08	1.22E-08	4.92E-06	5.58E-10	2.19E-10
476363.09, 3858377.25	0.00142	0.00028763	3.26E-08	1.28E-08	5.18E-06	5.87E-10	2.31E-10
476863.09, 3858377.25	0.00151	0.00030586	3.47E-08	1.36E-08	5.51E-06	6.25E-10	2.45E-10
477363.09, 3858377.25	0.00155	0.00031396	3.56E-08	1.40E-08	5.65E-06	6.41E-10	2.52E-10
477863.09, 3858377.25	0.00172	0.00034839	3.95E-08	1.55E-08	6.27E-06	7.11E-10	2.79E-10
478363.09, 3858377.25	0.00182	0.00036865	4.18E-08	1.64E-08	6.64E-06	7.53E-10	2.96E-10

478863.09, 3858377.25	0.0017	0.00034434	3.91E-08	1.53E-08	6.20E-06	7.03E-10	2.76E-10
479363.09, 3858377.25	0.00245	0.00049626	5.63E-08	2.21E-08	8.93E-06	1.01E-09	3.98E-10
479863.09, 3858377.25	0.00352	0.00071299	8.09E-08	3.18E-08	1.28E-05	1.46E-09	5.72E-10
480363.09, 3858377.25	0.00424	0.00085883	9.74E-08	3.83E-08	1.55E-05	1.75E-09	6.89E-10
480863.09, 3858377.25	0.00457	0.00092567	1.05E-07	4.12E-08	1.67E-05	1.89E-09	7.43E-10
481363.09, 3858377.25	0.00488	0.00098846	1.12E-07	4.40E-08	1.78E-05	2.02E-09	7.93E-10
481863.09, 3858377.25	0.00496	0.00100467	1.14E-07	4.48E-08	1.81E-05	2.05E-09	8.06E-10
482363.09, 3858377.25	0.00525	0.00106341	1.21E-07	4.74E-08	1.91E-05	2.17E-09	8.53E-10
482863.09, 3858377.25	0.00645	0.00130647	1.48E-07	5.82E-08	2.35E-05	2.67E-09	1.05E-09
483363.09, 3858377.25	0.0085	0.00172171	1.95E-07	7.67E-08	3.10E-05	3.52E-09	1.38E-09
483863.09, 3858377.25	0.00951	0.00192628	2.18E-07	8.58E-08	3.47E-05	3.93E-09	1.55E-09
484363.09, 3858377.25	0.00967	0.00195869	2.22E-07	8.73E-08	3.53E-05	4.00E-09	1.57E-09
484863.09, 3858377.25	0.00964	0.00195262	2.21E-07	8.70E-08	3.52E-05	3.99E-09	1.57E-09
485363.09, 3858377.25	0.01039	0.00210453	2.39E-07	9.38E-08	3.79E-05	4.30E-09	1.69E-09
485863.09, 3858377.25	0.01239	0.00250964	2.85E-07	1.12E-07	4.52E-05	5.12E-09	2.01E-09
486363.09, 3858377.25	0.01519	0.00307679	3.49E-07	1.37E-07	5.54E-05	6.28E-09	2.47E-09
486863.09, 3858377.25	0.01727	0.0034981	3.97E-07	1.56E-07	6.30E-05	7.14E-09	2.81E-09
487363.09, 3858377.25	0.01741	0.00352646	4.00E-07	1.57E-07	6.35E-05	7.20E-09	2.83E-09
487863.09, 3858377.25	0.01602	0.00324491	3.68E-07	1.45E-07	5.84E-05	6.63E-09	2.60E-09
488363.09, 3858377.25	0.01529	0.00309704	3.51E-07	1.38E-07	5.58E-05	6.32E-09	2.48E-09
488863.09, 3858377.25	0.01521	0.00308084	3.49E-07	1.37E-07	5.55E-05	6.29E-09	2.47E-09
489363.09, 3858377.25	0.01452	0.00294108	3.34E-07	1.31E-07	5.29E-05	6.01E-09	2.36E-09
489863.09, 3858377.25	0.01448	0.00293298	3.33E-07	1.31E-07	5.28E-05	5.99E-09	2.35E-09
490363.09, 3858377.25	0.01382	0.00279929	3.18E-07	1.25E-07	5.04E-05	5.72E-09	2.25E-09
490863.09, 3858377.25	0.01404	0.00284385	3.23E-07	1.27E-07	5.12E-05	5.81E-09	2.28E-09
491363.09, 3858377.25	0.01053	0.00213289	2.42E-07	9.50E-08	3.84E-05	4.36E-09	1.71E-09
491863.09, 3858377.25	0.00709	0.00143611	1.63E-07	6.40E-08	2.59E-05	2.93E-09	1.15E-09
492363.09, 3858377.25	0.00538	0.00108974	1.24E-07	4.86E-08	1.96E-05	2.23E-09	8.74E-10
492863.09, 3858377.25	0.00516	0.00104518	1.19E-07	4.66E-08	1.88E-05	2.13E-09	8.38E-10
493363.09, 3858377.25	0.00481	0.00097428	1.11E-07	4.34E-08	1.75E-05	1.99E-09	7.82E-10
493863.09, 3858377.25	0.00454	0.00091959	1.04E-07	4.10E-08	1.66E-05	1.88E-09	7.38E-10
494363.09, 3858377.25	0.00442	0.00089529	1.02E-07	3.99E-08	1.61E-05	1.83E-09	7.18E-10
494863.09, 3858377.25	0.00425	0.00086085	9.76E-08	3.84E-08	1.55E-05	1.76E-09	6.91E-10
495363.09, 3858377.25	0.00412	0.00083452	9.47E-08	3.72E-08	1.50E-05	1.70E-09	6.69E-10
495863.09, 3858377.25	0.00424	0.00085883	9.74E-08	3.83E-08	1.55E-05	1.75E-09	6.89E-10
496363.09, 3858377.25	0.00441	0.00089326	1.01E-07	3.98E-08	1.61E-05	1.82E-09	7.17E-10
496863.09, 3858377.25	0.00497	0.00100669	1.14E-07	4.49E-08	1.81E-05	2.06E-09	8.08E-10
497363.09, 3858377.25	0.00574	0.00116266	1.32E-07	5.18E-08	2.09E-05	2.37E-09	9.33E-10
497863.09, 3858377.25	0.00742	0.00150295	1.70E-07	6.70E-08	2.71E-05	3.07E-09	1.21E-09
498363.09, 3858377.25	0.0096	0.00194451	2.21E-07	8.66E-08	3.50E-05	3.97E-09	1.56E-09
471363.09, 3858877.25	0.0017	0.00034434	3.91E-08	1.53E-08	6.20E-06	7.03E-10	2.76E-10
471863.09, 3858877.25	0.00172	0.00034839	3.95E-08	1.55E-08	6.27E-06	7.11E-10	2.79E-10
472363.09, 3858877.25	0.00184	0.0003727	4.23E-08	1.66E-08	6.71E-06	7.61E-10	2.99E-10
472863.09, 3858877.25	0.00193	0.00039093	4.43E-08	1.74E-08	7.04E-06	7.98E-10	3.14E-10
473363.09, 3858877.25	0.00211	0.00042739	4.85E-08	1.90E-08	7.69E-06	8.73E-10	3.43E-10
473863.09, 3858877.25	0.00203	0.00041118	4.66E-08	1.83E-08	7.40E-06	8.40E-10	3.30E-10
474363.09, 3858877.25	0.00177	0.00035852	4.07E-08	1.60E-08	6.45E-06	7.32E-10	2.88E-10
474863.09, 3858877.25	0.00142	0.00028763	3.26E-08	1.28E-08	5.18E-06	5.87E-10	2.31E-10
475363.09, 3858877.25	0.00136	0.00027547	3.12E-08	1.23E-08	4.96E-06	5.63E-10	2.21E-10
475863.09, 3858877.25	0.00142	0.00028763	3.26E-08	1.28E-08	5.18E-06	5.87E-10	2.31E-10
476363.09, 3858877.25	0.00132	0.00026737	3.03E-08	1.19E-08	4.81E-06	5.46E-10	2.14E-10
476863.09, 3858877.25	0.0014	0.00028358	3.22E-08	1.26E-08	5.11E-06	5.79E-10	2.27E-10
477363.09, 3858877.25	0.00145	0.0002937	3.33E-08	1.31E-08	5.29E-06	6.00E-10	2.36E-10
477863.09, 3858877.25	0.00155	0.00031396	3.56E-08	1.40E-08	5.65E-06	6.41E-10	2.52E-10
478363.09, 3858877.25	0.00183	0.00037067	4.20E-08	1.65E-08	6.67E-06	7.57E-10	2.97E-10
478863.09, 3858877.25	0.00184	0.0003727	4.23E-08	1.66E-08	6.71E-06	7.61E-10	2.99E-10
479363.09, 3858877.25	0.00184	0.0003727	4.23E-08	1.66E-08	6.71E-06	7.61E-10	2.99E-10
479863.09, 3858877.25	0.00319	0.00064615	7.33E-08	2.88E-08	1.16E-05	1.32E-09	5.18E-10
480363.09, 3858877.25	0.00382	0.00077375	8.78E-08	3.45E-08	1.39E-05	1.58E-09	6.21E-10
480863.09, 3858877.25	0.00449	0.00090947	1.03E-07	4.05E-08	1.64E-05	1.86E-09	7.30E-10
481363.09, 3858877.25	0.00491	0.00099454	1.13E-07	4.43E-08	1.79E-05	2.03E-09	7.98E-10

481863.09, 3858877.25	0.00538	0.00108974	1.24E-07	4.86E-08	1.96E-05	2.23E-09	8.74E-10
482363.09, 3858877.25	0.00566	0.00114645	1.30E-07	5.11E-08	2.06E-05	2.34E-09	9.20E-10
482863.09, 3858877.25	0.00624	0.00126393	1.43E-07	5.63E-08	2.28E-05	2.58E-09	1.01E-09
483363.09, 3858877.25	0.00964	0.00195262	2.21E-07	8.70E-08	3.52E-05	3.99E-09	1.57E-09
483863.09, 3858877.25	0.01063	0.00215314	2.44E-07	9.59E-08	3.88E-05	4.40E-09	1.73E-09
484363.09, 3858877.25	0.01104	0.00223619	2.54E-07	9.96E-08	4.03E-05	4.57E-09	1.79E-09
484863.09, 3858877.25	0.01147	0.00232329	2.64E-07	1.04E-07	4.18E-05	4.74E-09	1.86E-09
485363.09, 3858877.25	0.01212	0.00245495	2.78E-07	1.09E-07	4.42E-05	5.01E-09	1.97E-09
485863.09, 3858877.25	0.01245	0.00252179	2.86E-07	1.12E-07	4.54E-05	5.15E-09	2.02E-09
486363.09, 3858877.25	0.01291	0.00261497	2.97E-07	1.17E-07	4.71E-05	5.34E-09	2.10E-09
486863.09, 3858877.25	0.01395	0.00282562	3.20E-07	1.26E-07	5.09E-05	5.77E-09	2.27E-09
487363.09, 3858877.25	0.01589	0.00321858	3.65E-07	1.43E-07	5.79E-05	6.57E-09	2.58E-09
487863.09, 3858877.25	0.01962	0.0039741	4.51E-07	1.77E-07	7.15E-05	8.12E-09	3.19E-09
488363.09, 3858877.25	0.01994	0.00403892	4.58E-07	1.80E-07	7.27E-05	8.25E-09	3.24E-09
488863.09, 3858877.25	0.01797	0.00363989	4.13E-07	1.62E-07	6.55E-05	7.43E-09	2.92E-09
489363.09, 3858877.25	0.01675	0.00339277	3.85E-07	1.51E-07	6.11E-05	6.93E-09	2.72E-09
489863.09, 3858877.25	0.01702	0.00344746	3.91E-07	1.54E-07	6.21E-05	7.04E-09	2.77E-09
490363.09, 3858877.25	0.01558	0.00315579	3.58E-07	1.41E-07	5.68E-05	6.44E-09	2.53E-09
490863.09, 3858877.25	0.01182	0.00239418	2.72E-07	1.07E-07	4.31E-05	4.89E-09	1.92E-09
491363.09, 3858877.25	0.00903	0.00182906	2.07E-07	8.15E-08	3.29E-05	3.74E-09	1.47E-09
491863.09, 3858877.25	0.0073	0.00147864	1.68E-07	6.59E-08	2.66E-05	3.02E-09	1.19E-09
492363.09, 3858877.25	0.0079	0.00160017	1.81E-07	7.13E-08	2.88E-05	3.27E-09	1.28E-09
492863.09, 3858877.25	0.00888	0.00179868	2.04E-07	8.01E-08	3.24E-05	3.67E-09	1.44E-09
493363.09, 3858877.25	0.00738	0.00149485	1.70E-07	6.66E-08	2.69E-05	3.05E-09	1.20E-09
493863.09, 3858877.25	0.0065	0.0013166	1.49E-07	5.87E-08	2.37E-05	2.69E-09	1.06E-09
494363.09, 3858877.25	0.00655	0.00132673	1.50E-07	5.91E-08	2.39E-05	2.71E-09	1.06E-09
494863.09, 3858877.25	0.00666	0.00134901	1.53E-07	6.01E-08	2.43E-05	2.75E-09	1.08E-09
495363.09, 3858877.25	0.00653	0.00132267	1.50E-07	5.89E-08	2.38E-05	2.70E-09	1.06E-09
495863.09, 3858877.25	0.00669	0.00135508	1.54E-07	6.04E-08	2.44E-05	2.77E-09	1.09E-09
496363.09, 3858877.25	0.00716	0.00145028	1.64E-07	6.46E-08	2.61E-05	2.96E-09	1.16E-09
496863.09, 3858877.25	0.00811	0.00164271	1.86E-07	7.32E-08	2.96E-05	3.35E-09	1.32E-09
497363.09, 3858877.25	0.00962	0.00194857	2.21E-07	8.68E-08	3.51E-05	3.98E-09	1.56E-09
497863.09, 3858877.25	0.0124	0.00251166	2.85E-07	1.12E-07	4.52E-05	5.13E-09	2.01E-09
498363.09, 3858877.25	0.01605	0.00325099	3.69E-07	1.45E-07	5.85E-05	6.64E-09	2.61E-09
471363.09, 3859377.25	0.00157	0.00031801	3.61E-08	1.42E-08	5.73E-06	6.49E-10	2.55E-10
471863.09, 3859377.25	0.00162	0.00032814	3.72E-08	1.46E-08	5.91E-06	6.70E-10	2.63E-10
472363.09, 3859377.25	0.00174	0.00035244	4.00E-08	1.57E-08	6.35E-06	7.20E-10	2.83E-10
472863.09, 3859377.25	0.00185	0.00037472	4.25E-08	1.67E-08	6.75E-06	7.65E-10	3.01E-10
473363.09, 3859377.25	0.002	0.00040511	4.59E-08	1.81E-08	7.29E-06	8.27E-10	3.25E-10
473863.09, 3859377.25	0.00204	0.00041321	4.69E-08	1.84E-08	7.44E-06	8.44E-10	3.31E-10
474363.09, 3859377.25	0.00172	0.00034839	3.95E-08	1.55E-08	6.27E-06	7.11E-10	2.79E-10
474863.09, 3859377.25	0.00151	0.00030586	3.47E-08	1.36E-08	5.51E-06	6.25E-10	2.45E-10
475363.09, 3859377.25	0.00139	0.00028155	3.19E-08	1.25E-08	5.07E-06	5.75E-10	2.26E-10
475863.09, 3859377.25	0.00131	0.00026535	3.01E-08	1.18E-08	4.78E-06	5.42E-10	2.13E-10
476363.09, 3859377.25	0.00133	0.0002694	3.06E-08	1.20E-08	4.85E-06	5.50E-10	2.16E-10
476863.09, 3859377.25	0.00131	0.00026535	3.01E-08	1.18E-08	4.78E-06	5.42E-10	2.13E-10
477363.09, 3859377.25	0.00138	0.00027952	3.17E-08	1.25E-08	5.03E-06	5.71E-10	2.24E-10
477863.09, 3859377.25	0.00163	0.00033016	3.74E-08	1.47E-08	5.94E-06	6.74E-10	2.65E-10
478363.09, 3859377.25	0.00184	0.0003727	4.23E-08	1.66E-08	6.71E-06	7.61E-10	2.99E-10
478863.09, 3859377.25	0.00211	0.00042739	4.85E-08	1.90E-08	7.69E-06	8.73E-10	3.43E-10
479363.09, 3859377.25	0.00239	0.0004841	5.49E-08	2.16E-08	8.72E-06	9.89E-10	3.88E-10
479863.09, 3859377.25	0.00272	0.00055095	6.25E-08	2.45E-08	9.92E-06	1.13E-09	4.42E-10
480363.09, 3859377.25	0.00317	0.00064209	7.28E-08	2.86E-08	1.16E-05	1.31E-09	5.15E-10
480863.09, 3859377.25	0.00367	0.00074337	8.43E-08	3.31E-08	1.34E-05	1.52E-09	5.96E-10
481363.09, 3859377.25	0.00411	0.0008325	9.44E-08	3.71E-08	1.50E-05	1.70E-09	6.68E-10
481863.09, 3859377.25	0.00458	0.0009277	1.05E-07	4.13E-08	1.67E-05	1.89E-09	7.44E-10
482363.09, 3859377.25	0.00503	0.00101884	1.16E-07	4.54E-08	1.83E-05	2.08E-09	8.17E-10
482863.09, 3859377.25	0.00588	0.00119102	1.35E-07	5.31E-08	2.14E-05	2.43E-09	9.55E-10
483363.09, 3859377.25	0.00786	0.00159207	1.81E-07	7.09E-08	2.87E-05	3.25E-09	1.28E-09
483863.09, 3859377.25	0.01095	0.00221796	2.52E-07	9.88E-08	3.99E-05	4.53E-09	1.78E-09
484363.09, 3859377.25	0.01183	0.00239621	2.72E-07	1.07E-07	4.31E-05	4.89E-09	1.92E-09

484863.09, 3859377.25	0.01261	0.0025542	2.90E-07	1.14E-07	4.60E-05	5.22E-09	2.05E-09
485363.09, 3859377.25	0.01356	0.00274663	3.12E-07	1.22E-07	4.94E-05	5.61E-09	2.20E-09
485863.09, 3859377.25	0.01452	0.00294108	3.34E-07	1.31E-07	5.29E-05	6.01E-09	2.36E-09
486363.09, 3859377.25	0.01525	0.00308894	3.50E-07	1.38E-07	5.56E-05	6.31E-09	2.48E-09
486863.09, 3859377.25	0.01619	0.00327934	3.72E-07	1.46E-07	5.90E-05	6.70E-09	2.63E-09
487363.09, 3859377.25	0.01699	0.00344139	3.90E-07	1.53E-07	6.20E-05	7.03E-09	2.76E-09
487863.09, 3859377.25	0.01663	0.00336847	3.82E-07	1.50E-07	6.06E-05	6.88E-09	2.70E-09
488363.09, 3859377.25	0.01807	0.00366014	4.15E-07	1.63E-07	6.59E-05	7.47E-09	2.94E-09
488863.09, 3859377.25	0.02116	0.00428603	4.86E-07	1.91E-07	7.72E-05	8.75E-09	3.44E-09
489363.09, 3859377.25	0.02287	0.0046324	5.25E-07	2.06E-07	8.34E-05	9.46E-09	3.72E-09
489863.09, 3859377.25	0.02189	0.0044339	5.03E-07	1.98E-07	7.98E-05	9.05E-09	3.56E-09
490363.09, 3859377.25	0.01877	0.00380193	4.31E-07	1.69E-07	6.84E-05	7.76E-09	3.05E-09
490863.09, 3859377.25	0.01461	0.00295931	3.36E-07	1.32E-07	5.33E-05	6.04E-09	2.37E-09
491363.09, 3859377.25	0.01007	0.00203971	2.31E-07	9.09E-08	3.67E-05	4.17E-09	1.64E-09
491863.09, 3859377.25	0.01254	0.00254002	2.88E-07	1.13E-07	4.57E-05	5.19E-09	2.04E-09
492363.09, 3859377.25	0.01353	0.00274055	3.11E-07	1.22E-07	4.93E-05	5.60E-09	2.20E-09
492863.09, 3859377.25	0.01447	0.00293095	3.32E-07	1.31E-07	5.28E-05	5.99E-09	2.35E-09
493363.09, 3859377.25	0.01215	0.00246103	2.79E-07	1.10E-07	4.43E-05	5.03E-09	1.97E-09
493863.09, 3859377.25	0.01113	0.00225442	2.56E-07	1.00E-07	4.06E-05	4.60E-09	1.81E-09
494363.09, 3859377.25	0.01156	0.00234152	2.66E-07	1.04E-07	4.22E-05	4.78E-09	1.88E-09
494863.09, 3859377.25	0.01128	0.0022848	2.59E-07	1.02E-07	4.11E-05	4.67E-09	1.83E-09
495363.09, 3859377.25	0.01167	0.0023638	2.68E-07	1.05E-07	4.26E-05	4.83E-09	1.90E-09
495863.09, 3859377.25	0.01183	0.00239621	2.72E-07	1.07E-07	4.31E-05	4.89E-09	1.92E-09
496363.09, 3859377.25	0.01303	0.00263927	2.99E-07	1.18E-07	4.75E-05	5.39E-09	2.12E-09
496863.09, 3859377.25	0.01424	0.00288436	3.27E-07	1.29E-07	5.19E-05	5.89E-09	2.31E-09
497363.09, 3859377.25	0.01766	0.0035771	4.06E-07	1.59E-07	6.44E-05	7.30E-09	2.87E-09
497863.09, 3859377.25	0.02306	0.00467089	5.30E-07	2.08E-07	8.41E-05	9.54E-09	3.75E-09
498363.09, 3859377.25	0.02976	0.006028	6.84E-07	2.69E-07	1.09E-04	1.23E-08	4.84E-09
471363.09, 3859877.25	0.00178	0.00036055	4.09E-08	1.61E-08	6.49E-06	7.36E-10	2.89E-10
471863.09, 3859877.25	0.00184	0.0003727	4.23E-08	1.66E-08	6.71E-06	7.61E-10	2.99E-10
472363.09, 3859877.25	0.00187	0.00037878	4.30E-08	1.69E-08	6.82E-06	7.73E-10	3.04E-10
472863.09, 3859877.25	0.00199	0.00040308	4.57E-08	1.80E-08	7.26E-06	8.23E-10	3.23E-10
473363.09, 3859877.25	0.00209	0.00042334	4.80E-08	1.89E-08	7.62E-06	8.64E-10	3.40E-10
473863.09, 3859877.25	0.00213	0.00043144	4.89E-08	1.92E-08	7.77E-06	8.81E-10	3.46E-10
474363.09, 3859877.25	0.00177	0.00035852	4.07E-08	1.60E-08	6.45E-06	7.32E-10	2.88E-10
474863.09, 3859877.25	0.00154	0.00031193	3.54E-08	1.39E-08	5.62E-06	6.37E-10	2.50E-10
475363.09, 3859877.25	0.00131	0.00026535	3.01E-08	1.18E-08	4.78E-06	5.42E-10	2.13E-10
475863.09, 3859877.25	0.00117	0.00023699	2.69E-08	1.06E-08	4.27E-06	4.84E-10	1.90E-10
476363.09, 3859877.25	0.00109	0.00022078	2.50E-08	9.84E-09	3.97E-06	4.51E-10	1.77E-10
476863.09, 3859877.25	0.00117	0.00023699	2.69E-08	1.06E-08	4.27E-06	4.84E-10	1.90E-10
477363.09, 3859877.25	0.00123	0.00024914	2.83E-08	1.11E-08	4.49E-06	5.09E-10	2.00E-10
477863.09, 3859877.25	0.00144	0.00029168	3.31E-08	1.30E-08	5.25E-06	5.96E-10	2.34E-10
478363.09, 3859877.25	0.0017	0.00034434	3.91E-08	1.53E-08	6.20E-06	7.03E-10	2.76E-10
478863.09, 3859877.25	0.00205	0.00041523	4.71E-08	1.85E-08	7.48E-06	8.48E-10	3.33E-10
479363.09, 3859877.25	0.00257	0.00052056	5.90E-08	2.32E-08	9.37E-06	1.06E-09	4.18E-10
479863.09, 3859877.25	0.00315	0.00063804	7.24E-08	2.84E-08	1.15E-05	1.30E-09	5.12E-10
480363.09, 3859877.25	0.00393	0.00079604	9.03E-08	3.55E-08	1.43E-05	1.63E-09	6.39E-10
480863.09, 3859877.25	0.00439	0.00088921	1.01E-07	3.96E-08	1.60E-05	1.82E-09	7.13E-10
481363.09, 3859877.25	0.00474	0.0009601	1.09E-07	4.28E-08	1.73E-05	1.96E-09	7.70E-10
481863.09, 3859877.25	0.00486	0.00098441	1.12E-07	4.39E-08	1.77E-05	2.01E-09	7.90E-10
482363.09, 3859877.25	0.00507	0.00102695	1.16E-07	4.58E-08	1.85E-05	2.10E-09	8.24E-10
482863.09, 3859877.25	0.00533	0.00107961	1.22E-07	4.81E-08	1.94E-05	2.20E-09	8.66E-10
483363.09, 3859877.25	0.00581	0.00117684	1.33E-07	5.24E-08	2.12E-05	2.40E-09	9.44E-10
483863.09, 3859877.25	0.00885	0.0017926	2.03E-07	7.99E-08	3.23E-05	3.66E-09	1.44E-09
484363.09, 3859877.25	0.01041	0.00210858	2.39E-07	9.40E-08	3.80E-05	4.31E-09	1.69E-09
484863.09, 3859877.25	0.01161	0.00235165	2.67E-07	1.05E-07	4.23E-05	4.80E-09	1.89E-09
485363.09, 3859877.25	0.013	0.0026332	2.99E-07	1.17E-07	4.74E-05	5.38E-09	2.11E-09
485863.09, 3859877.25	0.0146	0.00295728	3.35E-07	1.32E-07	5.32E-05	6.04E-09	2.37E-09
486363.09, 3859877.25	0.01619	0.00327934	3.72E-07	1.46E-07	5.90E-05	6.70E-09	2.63E-09
486863.09, 3859877.25	0.01735	0.0035143	3.99E-07	1.57E-07	6.33E-05	7.18E-09	2.82E-09
487363.09, 3859877.25	0.01943	0.00393562	4.46E-07	1.75E-07	7.09E-05	8.04E-09	3.16E-09

487863.09, 3859877.25	0.01951	0.00395182	4.48E-07	1.76E-07	7.11E-05	8.07E-09	3.17E-09
488363.09, 3859877.25	0.02155	0.00436503	4.95E-07	1.95E-07	7.86E-05	8.91E-09	3.50E-09
488863.09, 3859877.25	0.02159	0.00437313	4.96E-07	1.95E-07	7.87E-05	8.93E-09	3.51E-09
489363.09, 3859877.25	0.02133	0.00432047	4.90E-07	1.93E-07	7.78E-05	8.82E-09	3.47E-09
489863.09, 3859877.25	0.02395	0.00485116	5.50E-07	2.16E-07	8.73E-05	9.91E-09	3.89E-09
490363.09, 3859877.25	0.033	0.00668427	7.58E-07	2.98E-07	1.20E-04	1.36E-08	5.36E-09
490863.09, 3859877.25	0.02866	0.00580519	6.58E-07	2.59E-07	1.05E-04	1.19E-08	4.66E-09
491363.09, 3859877.25	0.02892	0.00585785	6.64E-07	2.61E-07	1.05E-04	1.20E-08	4.70E-09
491863.09, 3859877.25	0.03021	0.00611914	6.94E-07	2.73E-07	1.10E-04	1.25E-08	4.91E-09
492363.09, 3859877.25	0.03041	0.00615965	6.99E-07	2.74E-07	1.11E-04	1.26E-08	4.94E-09
492863.09, 3859877.25	0.02627	0.00532108	6.04E-07	2.37E-07	9.58E-05	1.09E-08	4.27E-09
493363.09, 3859877.25	0.02515	0.00509422	5.78E-07	2.27E-07	9.17E-05	1.04E-08	4.09E-09
493863.09, 3859877.25	0.0254	0.00514486	5.84E-07	2.29E-07	9.26E-05	1.05E-08	4.13E-09
494363.09, 3859877.25	0.02365	0.00479039	5.43E-07	2.13E-07	8.62E-05	9.78E-09	3.84E-09
494863.09, 3859877.25	0.02555	0.00517524	5.87E-07	2.31E-07	9.32E-05	1.06E-08	4.15E-09
495363.09, 3859877.25	0.02575	0.00521576	5.92E-07	2.32E-07	9.39E-05	1.07E-08	4.18E-09
495863.09, 3859877.25	0.02532	0.00512866	5.82E-07	2.29E-07	9.23E-05	1.05E-08	4.11E-09
496363.09, 3859877.25	0.02486	0.00503548	5.71E-07	2.24E-07	9.07E-05	1.03E-08	4.04E-09
496863.09, 3859877.25	0.02426	0.00491395	5.57E-07	2.19E-07	8.85E-05	1.00E-08	3.94E-09
497363.09, 3859877.25	0.03163	0.00640677	7.27E-07	2.85E-07	1.15E-04	1.31E-08	5.14E-09
497863.09, 3859877.25	0.04489	0.00909263	1.03E-06	4.05E-07	1.64E-04	1.86E-08	7.29E-09
498363.09, 3859877.25	0.06132	0.01242059	1.41E-06	5.53E-07	2.24E-04	2.54E-08	9.96E-09
471363.09, 3860377.25	0.00188	0.0003808	4.32E-08	1.70E-08	6.86E-06	7.78E-10	3.05E-10
471863.09, 3860377.25	0.00194	0.00039295	4.46E-08	1.75E-08	7.07E-06	8.02E-10	3.15E-10
472363.09, 3860377.25	0.00204	0.00041321	4.69E-08	1.84E-08	7.44E-06	8.44E-10	3.31E-10
472863.09, 3860377.25	0.00217	0.00043954	4.99E-08	1.96E-08	7.91E-06	8.98E-10	3.53E-10
473363.09, 3860377.25	0.00227	0.0004598	5.22E-08	2.05E-08	8.28E-06	9.39E-10	3.69E-10
473863.09, 3860377.25	0.00229	0.00046385	5.26E-08	2.07E-08	8.35E-06	9.47E-10	3.72E-10
474363.09, 3860377.25	0.00214	0.00043346	4.92E-08	1.93E-08	7.80E-06	8.85E-10	3.48E-10
474863.09, 3860377.25	0.00189	0.00038283	4.34E-08	1.71E-08	6.89E-06	7.82E-10	3.07E-10
475363.09, 3860377.25	0.00165	0.00033421	3.79E-08	1.49E-08	6.02E-06	6.82E-10	2.68E-10
475863.09, 3860377.25	0.00149	0.0003018	3.42E-08	1.34E-08	5.43E-06	6.16E-10	2.42E-10
476363.09, 3860377.25	0.00138	0.00027952	3.17E-08	1.25E-08	5.03E-06	5.71E-10	2.24E-10
476863.09, 3860377.25	0.00137	0.0002775	3.15E-08	1.24E-08	5.00E-06	5.67E-10	2.23E-10
477363.09, 3860377.25	0.00125	0.00025319	2.87E-08	1.13E-08	4.56E-06	5.17E-10	2.03E-10
477863.09, 3860377.25	0.00135	0.00027345	3.10E-08	1.22E-08	4.92E-06	5.58E-10	2.19E-10
478363.09, 3860377.25	0.00163	0.00033016	3.74E-08	1.47E-08	5.94E-06	6.74E-10	2.65E-10
478863.09, 3860377.25	0.002	0.00040511	4.59E-08	1.81E-08	7.29E-06	8.27E-10	3.25E-10
479363.09, 3860377.25	0.0025	0.00050638	5.74E-08	2.26E-08	9.12E-06	1.03E-09	4.06E-10
479863.09, 3860377.25	0.00317	0.00064209	7.28E-08	2.86E-08	1.16E-05	1.31E-09	5.15E-10
480363.09, 3860377.25	0.00389	0.00078793	8.94E-08	3.51E-08	1.42E-05	1.61E-09	6.32E-10
480863.09, 3860377.25	0.00449	0.00090947	1.03E-07	4.05E-08	1.64E-05	1.86E-09	7.30E-10
481363.09, 3860377.25	0.00484	0.00098036	1.11E-07	4.37E-08	1.76E-05	2.00E-09	7.86E-10
481863.09, 3860377.25	0.00533	0.00107961	1.22E-07	4.81E-08	1.94E-05	2.20E-09	8.66E-10
482363.09, 3860377.25	0.00571	0.00115658	1.31E-07	5.15E-08	2.08E-05	2.36E-09	9.28E-10
482863.09, 3860377.25	0.00606	0.00122747	1.39E-07	5.47E-08	2.21E-05	2.51E-09	9.85E-10
483363.09, 3860377.25	0.00714	0.00144623	1.64E-07	6.44E-08	2.60E-05	2.95E-09	1.16E-09
483863.09, 3860377.25	0.00778	0.00157587	1.79E-07	7.02E-08	2.84E-05	3.22E-09	1.26E-09
484363.09, 3860377.25	0.01063	0.00215314	2.44E-07	9.59E-08	3.88E-05	4.40E-09	1.73E-09
484863.09, 3860377.25	0.0114	0.00230911	2.62E-07	1.03E-07	4.16E-05	4.72E-09	1.85E-09
485363.09, 3860377.25	0.01227	0.00248533	2.82E-07	1.11E-07	4.47E-05	5.08E-09	1.99E-09
485863.09, 3860377.25	0.01306	0.00264535	3.00E-07	1.18E-07	4.76E-05	5.40E-09	2.12E-09
486363.09, 3860377.25	0.01446	0.00292893	3.32E-07	1.31E-07	5.27E-05	5.98E-09	2.35E-09
486863.09, 3860377.25	0.01621	0.00328339	3.72E-07	1.46E-07	5.91E-05	6.70E-09	2.63E-09
487363.09, 3860377.25	0.01847	0.00374116	4.24E-07	1.67E-07	6.74E-05	7.64E-09	3.00E-09
487863.09, 3860377.25	0.02009	0.0040693	4.62E-07	1.81E-07	7.33E-05	8.31E-09	3.26E-09
488363.09, 3860377.25	0.02269	0.00459594	5.21E-07	2.05E-07	8.27E-05	9.39E-09	3.69E-09
488863.09, 3860377.25	0.02517	0.00509827	5.78E-07	2.27E-07	9.18E-05	1.04E-08	4.09E-09
489363.09, 3860377.25	0.02821	0.00571404	6.48E-07	2.55E-07	1.03E-04	1.17E-08	4.58E-09
489863.09, 3860377.25	0.03001	0.00607863	6.89E-07	2.71E-07	1.09E-04	1.24E-08	4.88E-09
490363.09, 3860377.25	0.03631	0.00735472	8.34E-07	3.28E-07	1.32E-04	1.50E-08	5.90E-09

490863.09, 3860377.25	0.04424	0.00896097	1.02E-06	3.99E-07	1.61E-04	1.83E-08	7.19E-09
491363.09, 3860377.25	0.06244	0.01264745	1.43E-06	5.64E-07	2.28E-04	2.58E-08	1.01E-08
491863.09, 3860377.25	0.07962	0.01612732	1.83E-06	7.19E-07	2.90E-04	3.29E-08	1.29E-08
492363.09, 3860377.25	0.06791	0.01375541	1.56E-06	6.13E-07	2.48E-04	2.81E-08	1.10E-08
492863.09, 3860377.25	0.07309	0.01480464	1.68E-06	6.60E-07	2.67E-04	3.02E-08	1.19E-08
493363.09, 3860377.25	0.06745	0.01366224	1.55E-06	6.09E-07	2.46E-04	2.79E-08	1.10E-08
493863.09, 3860377.25	0.08923	0.01807386	2.05E-06	8.05E-07	3.25E-04	3.69E-08	1.45E-08
494363.09, 3860377.25	0.0794	0.01608276	1.82E-06	7.17E-07	2.90E-04	3.28E-08	1.29E-08
494863.09, 3860377.25	0.08029	0.01626303	1.84E-06	7.25E-07	2.93E-04	3.32E-08	1.30E-08
495363.09, 3860377.25	0.07238	0.01466083	1.66E-06	6.53E-07	2.64E-04	2.99E-08	1.18E-08
495863.09, 3860377.25	0.05735	0.01161645	1.32E-06	5.18E-07	2.09E-04	2.37E-08	9.32E-09
496363.09, 3860377.25	0.05298	0.01073129	1.22E-06	4.78E-07	1.93E-04	2.19E-08	8.61E-09
496863.09, 3860377.25	0.0563	0.01140377	1.29E-06	5.08E-07	2.05E-04	2.33E-08	9.15E-09
497363.09, 3860377.25	0.05652	0.01144833	1.30E-06	5.10E-07	2.06E-04	2.34E-08	9.18E-09
497863.09, 3860377.25	0.07326	0.01483908	1.68E-06	6.61E-07	2.67E-04	3.03E-08	1.19E-08
498363.09, 3860377.25	0.09653	0.0195525	2.22E-06	8.71E-07	3.52E-04	3.99E-08	1.57E-08
471363.09, 3860877.25	0.00217	0.00043954	4.99E-08	1.96E-08	7.91E-06	8.98E-10	3.53E-10
471863.09, 3860877.25	0.00225	0.00045575	5.17E-08	2.03E-08	8.20E-06	9.31E-10	3.66E-10
472363.09, 3860877.25	0.00231	0.0004679	5.31E-08	2.08E-08	8.42E-06	9.55E-10	3.75E-10
472863.09, 3860877.25	0.00245	0.00049626	5.63E-08	2.21E-08	8.93E-06	1.01E-09	3.98E-10
473363.09, 3860877.25	0.00249	0.00050436	5.72E-08	2.25E-08	9.08E-06	1.03E-09	4.05E-10
473863.09, 3860877.25	0.0025	0.00050638	5.74E-08	2.26E-08	9.12E-06	1.03E-09	4.06E-10
474363.09, 3860877.25	0.00244	0.00049423	5.61E-08	2.20E-08	8.90E-06	1.01E-09	3.96E-10
474863.09, 3860877.25	0.00237	0.00048005	5.44E-08	2.14E-08	8.64E-06	9.80E-10	3.85E-10
475363.09, 3860877.25	0.00214	0.00043346	4.92E-08	1.93E-08	7.80E-06	8.85E-10	3.48E-10
475863.09, 3860877.25	0.0019	0.00038485	4.37E-08	1.71E-08	6.93E-06	7.86E-10	3.09E-10
476363.09, 3860877.25	0.00169	0.00034232	3.88E-08	1.53E-08	6.16E-06	6.99E-10	2.75E-10
476863.09, 3860877.25	0.00165	0.00033421	3.79E-08	1.49E-08	6.02E-06	6.82E-10	2.68E-10
477363.09, 3860877.25	0.00169	0.00034232	3.88E-08	1.53E-08	6.16E-06	6.99E-10	2.75E-10
477863.09, 3860877.25	0.00159	0.00032206	3.65E-08	1.44E-08	5.80E-06	6.58E-10	2.58E-10
478363.09, 3860877.25	0.0014	0.00028358	3.22E-08	1.26E-08	5.11E-06	5.79E-10	2.27E-10
478863.09, 3860877.25	0.00186	0.00037675	4.27E-08	1.68E-08	6.78E-06	7.69E-10	3.02E-10
479363.09, 3860877.25	0.00245	0.00049626	5.63E-08	2.21E-08	8.93E-06	1.01E-09	3.98E-10
479863.09, 3860877.25	0.0033	0.00066843	7.58E-08	2.98E-08	1.20E-05	1.36E-09	5.36E-10
480363.09, 3860877.25	0.00412	0.00083452	9.47E-08	3.72E-08	1.50E-05	1.70E-09	6.69E-10
480863.09, 3860877.25	0.00466	0.0009439	1.07E-07	4.21E-08	1.70E-05	1.93E-09	7.57E-10
481363.09, 3860877.25	0.00516	0.00104518	1.19E-07	4.66E-08	1.88E-05	2.13E-09	8.38E-10
481863.09, 3860877.25	0.00539	0.00109176	1.24E-07	4.86E-08	1.97E-05	2.23E-09	8.76E-10
482363.09, 3860877.25	0.00595	0.00120519	1.37E-07	5.37E-08	2.17E-05	2.46E-09	9.67E-10
482863.09, 3860877.25	0.00632	0.00128014	1.45E-07	5.70E-08	2.30E-05	2.61E-09	1.03E-09
483363.09, 3860877.25	0.00682	0.00138142	1.57E-07	6.16E-08	2.49E-05	2.82E-09	1.11E-09
483863.09, 3860877.25	0.00758	0.00153536	1.74E-07	6.84E-08	2.76E-05	3.14E-09	1.23E-09
484363.09, 3860877.25	0.00948	0.00192021	2.18E-07	8.56E-08	3.46E-05	3.92E-09	1.54E-09
484863.09, 3860877.25	0.01174	0.00237798	2.70E-07	1.06E-07	4.28E-05	4.86E-09	1.91E-09
485363.09, 3860877.25	0.01264	0.00256028	2.90E-07	1.14E-07	4.61E-05	5.23E-09	2.05E-09
485863.09, 3860877.25	0.01317	0.00266763	3.03E-07	1.19E-07	4.80E-05	5.45E-09	2.14E-09
486363.09, 3860877.25	0.01528	0.00309502	3.51E-07	1.38E-07	5.57E-05	6.32E-09	2.48E-09
486863.09, 3860877.25	0.01703	0.00344949	3.91E-07	1.54E-07	6.21E-05	7.04E-09	2.77E-09
487363.09, 3860877.25	0.01888	0.00382421	4.34E-07	1.70E-07	6.88E-05	7.81E-09	3.07E-09
487863.09, 3860877.25	0.0211	0.00427388	4.85E-07	1.90E-07	7.69E-05	8.73E-09	3.43E-09
488363.09, 3860877.25	0.02054	0.00416045	4.72E-07	1.85E-07	7.49E-05	8.50E-09	3.34E-09
488863.09, 3860877.25	0.02491	0.00504561	5.72E-07	2.25E-07	9.08E-05	1.03E-08	4.05E-09
489363.09, 3860877.25	0.02501	0.00506587	5.75E-07	2.26E-07	9.12E-05	1.03E-08	4.06E-09
489863.09, 3860877.25	0.03483	0.00705494	8.00E-07	3.14E-07	1.27E-04	1.44E-08	5.66E-09
490363.09, 3860877.25	0.04141	0.00838774	9.51E-07	3.74E-07	1.51E-04	1.71E-08	6.73E-09
490863.09, 3860877.25	0.05244	0.01062191	1.20E-06	4.73E-07	1.91E-04	2.17E-08	8.52E-09
491363.09, 3860877.25	0.07008	0.01419496	1.61E-06	6.33E-07	2.56E-04	2.90E-08	1.14E-08
491863.09, 3860877.25	0.09838	0.01992722	2.26E-06	8.88E-07	3.59E-04	4.07E-08	1.60E-08
492363.09, 3860877.25	0.33365	0.06758201	7.67E-06	3.01E-06	1.22E-03	1.38E-07	5.42E-08
492863.09, 3860877.25	1.47674	0.299119	3.39E-05	1.33E-05	5.39E-03	6.11E-07	2.40E-07
493363.09, 3860877.25	0.5713	0.11571887	1.31E-05	5.16E-06	2.08E-03	2.36E-07	9.28E-08

493863.09, 3860877.25	0.48308	0.09784959	1.11E-05	4.36E-06	1.76E-03	2.00E-07	7.85E-08
494363.09, 3860877.25	0.41128	0.08330624	9.45E-06	3.71E-06	1.50E-03	1.70E-07	6.68E-08
494863.09, 3860877.25	0.31828	0.06446876	7.31E-06	2.87E-06	1.16E-03	1.32E-07	5.17E-08
495363.09, 3860877.25	0.2569	0.05203602	5.90E-06	2.32E-06	9.37E-04	1.06E-07	4.17E-08
495863.09, 3860877.25	0.24259	0.04913748	5.57E-06	2.19E-06	8.85E-04	1.00E-07	3.94E-08
496363.09, 3860877.25	0.19747	0.03999826	4.54E-06	1.78E-06	7.20E-04	8.17E-08	3.21E-08
496863.09, 3860877.25	0.14894	0.03016833	3.42E-06	1.34E-06	5.43E-04	6.16E-08	2.42E-08
497363.09, 3860877.25	0.15548	0.03149303	3.57E-06	1.40E-06	5.67E-04	6.43E-08	2.53E-08
497863.09, 3860877.25	0.14627	0.02962751	3.36E-06	1.32E-06	5.33E-04	6.05E-08	2.38E-08
498363.09, 3860877.25	0.16946	0.03432473	3.89E-06	1.53E-06	6.18E-04	7.01E-08	2.75E-08
471363.09, 3861377.25	0.00219	0.00044359	5.03E-08	1.98E-08	7.99E-06	9.06E-10	3.56E-10
471863.09, 3861377.25	0.00227	0.0004598	5.22E-08	2.05E-08	8.28E-06	9.39E-10	3.69E-10
472363.09, 3861377.25	0.00236	0.00047803	5.42E-08	2.13E-08	8.61E-06	9.76E-10	3.83E-10
472863.09, 3861377.25	0.00251	0.00050841	5.77E-08	2.27E-08	9.15E-06	1.04E-09	4.08E-10
473363.09, 3861377.25	0.00258	0.00052259	5.93E-08	2.33E-08	9.41E-06	1.07E-09	4.19E-10
473863.09, 3861377.25	0.00254	0.00051449	5.84E-08	2.29E-08	9.26E-06	1.05E-09	4.13E-10
474363.09, 3861377.25	0.00269	0.00054487	6.18E-08	2.43E-08	9.81E-06	1.11E-09	4.37E-10
474863.09, 3861377.25	0.00259	0.00052461	5.95E-08	2.34E-08	9.44E-06	1.07E-09	4.21E-10
475363.09, 3861377.25	0.00274	0.000555	6.30E-08	2.47E-08	9.99E-06	1.13E-09	4.45E-10
475863.09, 3861377.25	0.00249	0.00050436	5.72E-08	2.25E-08	9.08E-06	1.03E-09	4.05E-10
476363.09, 3861377.25	0.00226	0.00045777	5.19E-08	2.04E-08	8.24E-06	9.35E-10	3.67E-10
476863.09, 3861377.25	0.00214	0.00043346	4.92E-08	1.93E-08	7.80E-06	8.85E-10	3.48E-10
477363.09, 3861377.25	0.00209	0.00042334	4.80E-08	1.89E-08	7.62E-06	8.64E-10	3.40E-10
477863.09, 3861377.25	0.00177	0.00035852	4.07E-08	1.60E-08	6.45E-06	7.32E-10	2.88E-10
478363.09, 3861377.25	0.00146	0.00029573	3.35E-08	1.32E-08	5.32E-06	6.04E-10	2.37E-10
478863.09, 3861377.25	0.0016	0.00032409	3.68E-08	1.44E-08	5.83E-06	6.62E-10	2.60E-10
479363.09, 3861377.25	0.00233	0.00047195	5.35E-08	2.10E-08	8.50E-06	9.64E-10	3.79E-10
479863.09, 3861377.25	0.00333	0.0006745	7.65E-08	3.01E-08	1.21E-05	1.38E-09	5.41E-10
480363.09, 3861377.25	0.00453	0.00091757	1.04E-07	4.09E-08	1.65E-05	1.87E-09	7.36E-10
480863.09, 3861377.25	0.00532	0.00107759	1.22E-07	4.80E-08	1.94E-05	2.20E-09	8.64E-10
481363.09, 3861377.25	0.00588	0.00119102	1.35E-07	5.31E-08	2.14E-05	2.43E-09	9.55E-10
481863.09, 3861377.25	0.00618	0.00125178	1.42E-07	5.58E-08	2.25E-05	2.56E-09	1.00E-09
482363.09, 3861377.25	0.00671	0.00135913	1.54E-07	6.06E-08	2.45E-05	2.78E-09	1.09E-09
482863.09, 3861377.25	0.00727	0.00147256	1.67E-07	6.56E-08	2.65E-05	3.01E-09	1.18E-09
483363.09, 3861377.25	0.00785	0.00159005	1.80E-07	7.09E-08	2.86E-05	3.25E-09	1.28E-09
483863.09, 3861377.25	0.00881	0.0017845	2.02E-07	7.95E-08	3.21E-05	3.64E-09	1.43E-09
484363.09, 3861377.25	0.00915	0.00185337	2.10E-07	8.26E-08	3.34E-05	3.78E-09	1.49E-09
484863.09, 3861377.25	0.01185	0.00240026	2.72E-07	1.07E-07	4.32E-05	4.90E-09	1.93E-09
485363.09, 3861377.25	0.01398	0.0028317	3.21E-07	1.26E-07	5.10E-05	5.78E-09	2.27E-09
485863.09, 3861377.25	0.01498	0.00303425	3.44E-07	1.35E-07	5.46E-05	6.20E-09	2.43E-09
486363.09, 3861377.25	0.01652	0.00334619	3.80E-07	1.49E-07	6.02E-05	6.83E-09	2.68E-09
486863.09, 3861377.25	0.01821	0.0036885	4.18E-07	1.64E-07	6.64E-05	7.53E-09	2.96E-09
487363.09, 3861377.25	0.02036	0.00412399	4.68E-07	1.84E-07	7.42E-05	8.42E-09	3.31E-09
487863.09, 3861377.25	0.02273	0.00460404	5.22E-07	2.05E-07	8.29E-05	9.40E-09	3.69E-09
488363.09, 3861377.25	0.02619	0.00530488	6.02E-07	2.36E-07	9.55E-05	1.08E-08	4.26E-09
488863.09, 3861377.25	0.029	0.00587405	6.66E-07	2.62E-07	1.06E-04	1.20E-08	4.71E-09
489363.09, 3861377.25	0.03408	0.00690303	7.83E-07	3.08E-07	1.24E-04	1.41E-08	5.54E-09
489863.09, 3861377.25	0.03954	0.00800897	9.08E-07	3.57E-07	1.44E-04	1.64E-08	6.43E-09
490363.09, 3861377.25	0.04863	0.00985018	1.12E-06	4.39E-07	1.77E-04	2.01E-08	7.90E-09
490863.09, 3861377.25	0.06059	0.01227272	1.39E-06	5.47E-07	2.21E-04	2.51E-08	9.85E-09
491363.09, 3861377.25	0.07896	0.01599363	1.81E-06	7.13E-07	2.88E-04	3.27E-08	1.28E-08
491863.09, 3861377.25	0.10923	0.02212493	2.51E-06	9.86E-07	3.98E-04	4.52E-08	1.77E-08
492363.09, 3861377.25	0.18497	0.03746634	4.25E-06	1.67E-06	6.75E-04	7.65E-08	3.01E-08
492863.09, 3861377.25	0.30768	0.06232169	7.07E-06	2.78E-06	1.12E-03	1.27E-07	5.00E-08
493363.09, 3861377.25	0.5424	0.10986507	1.25E-05	4.90E-06	1.98E-03	2.24E-07	8.81E-08
493863.09, 3861377.25	1.10513	0.22384806	2.54E-05	9.97E-06	4.03E-03	4.57E-07	1.80E-07
494363.09, 3861377.25	4.19193	0.8490905	9.63E-05	3.78E-05	1.53E-02	1.73E-06	6.81E-07
494863.09, 3861377.25	2.18158	0.44188688	5.01E-05	1.97E-05	7.96E-03	9.02E-07	3.54E-07
495363.09, 3861377.25	1.72418	0.34923886	3.96E-05	1.56E-05	6.29E-03	7.13E-07	2.80E-07
495863.09, 3861377.25	1.75944	0.3563809	4.04E-05	1.59E-05	6.42E-03	7.28E-07	2.86E-07
496363.09, 3861377.25	1.34722	0.27288426	3.10E-05	1.22E-05	4.91E-03	5.57E-07	2.19E-07

496863.09, 3861377.25	0.70641	0.14308589	1.62E-05	6.38E-06	2.58E-03	2.92E-07	1.15E-07
497363.09, 3861377.25	0.58674	0.1188463	1.35E-05	5.30E-06	2.14E-03	2.43E-07	9.53E-08
497863.09, 3861377.25	0.4547	0.09210112	1.04E-05	4.10E-06	1.66E-03	1.88E-07	7.39E-08
498363.09, 3861377.25	0.37619	0.07619864	8.64E-06	3.40E-06	1.37E-03	1.56E-07	6.11E-08
471363.09, 3861877.25	0.00201	0.00040713	4.62E-08	1.81E-08	7.33E-06	8.31E-10	3.27E-10
471863.09, 3861877.25	0.00208	0.00042131	4.78E-08	1.88E-08	7.59E-06	8.60E-10	3.38E-10
472363.09, 3861877.25	0.00216	0.00043752	4.96E-08	1.95E-08	7.88E-06	8.93E-10	3.51E-10
472863.09, 3861877.25	0.00227	0.0004598	5.22E-08	2.05E-08	8.28E-06	9.39E-10	3.69E-10
473363.09, 3861877.25	0.00236	0.00047803	5.42E-08	2.13E-08	8.61E-06	9.76E-10	3.83E-10
473863.09, 3861877.25	0.00237	0.00048005	5.44E-08	2.14E-08	8.64E-06	9.80E-10	3.85E-10
474363.09, 3861877.25	0.00246	0.00049828	5.65E-08	2.22E-08	8.97E-06	1.02E-09	4.00E-10
474863.09, 3861877.25	0.00249	0.00050436	5.72E-08	2.25E-08	9.08E-06	1.03E-09	4.05E-10
475363.09, 3861877.25	0.00258	0.00052259	5.93E-08	2.33E-08	9.41E-06	1.07E-09	4.19E-10
475863.09, 3861877.25	0.00274	0.000555	6.30E-08	2.47E-08	9.99E-06	1.13E-09	4.45E-10
476363.09, 3861877.25	0.00271	0.00054892	6.23E-08	2.45E-08	9.88E-06	1.12E-09	4.40E-10
476863.09, 3861877.25	0.00248	0.00050233	5.70E-08	2.24E-08	9.04E-06	1.03E-09	4.03E-10
477363.09, 3861877.25	0.00227	0.0004598	5.22E-08	2.05E-08	8.28E-06	9.39E-10	3.69E-10
477863.09, 3861877.25	0.00165	0.00033421	3.79E-08	1.49E-08	6.02E-06	6.82E-10	2.68E-10
478363.09, 3861877.25	0.0013	0.00026332	2.99E-08	1.17E-08	4.74E-06	5.38E-10	2.11E-10
478863.09, 3861877.25	0.00159	0.00032206	3.65E-08	1.44E-08	5.80E-06	6.58E-10	2.58E-10
479363.09, 3861877.25	0.00154	0.00031193	3.54E-08	1.39E-08	5.62E-06	6.37E-10	2.50E-10
479863.09, 3861877.25	0.00284	0.00057525	6.52E-08	2.56E-08	1.04E-05	1.17E-09	4.61E-10
480363.09, 3861877.25	0.00446	0.00090339	1.02E-07	4.03E-08	1.63E-05	1.84E-09	7.25E-10
480863.09, 3861877.25	0.00521	0.0010553	1.20E-07	4.70E-08	1.90E-05	2.15E-09	8.47E-10
481363.09, 3861877.25	0.00582	0.00117886	1.34E-07	5.25E-08	2.12E-05	2.41E-09	9.46E-10
481863.09, 3861877.25	0.00625	0.00126596	1.44E-07	5.64E-08	2.28E-05	2.59E-09	1.02E-09
482363.09, 3861877.25	0.00676	0.00136926	1.55E-07	6.10E-08	2.47E-05	2.80E-09	1.10E-09
482863.09, 3861877.25	0.00712	0.00144218	1.64E-07	6.43E-08	2.60E-05	2.94E-09	1.16E-09
483363.09, 3861877.25	0.00784	0.00158802	1.80E-07	7.08E-08	2.86E-05	3.24E-09	1.27E-09
483863.09, 3861877.25	0.00871	0.00176424	2.00E-07	7.86E-08	3.18E-05	3.60E-09	1.42E-09
484363.09, 3861877.25	0.01024	0.00207415	2.35E-07	9.24E-08	3.73E-05	4.24E-09	1.66E-09
484863.09, 3861877.25	0.01093	0.00221391	2.51E-07	9.87E-08	3.99E-05	4.52E-09	1.78E-09
485363.09, 3861877.25	0.0132	0.00267371	3.03E-07	1.19E-07	4.81E-05	5.46E-09	2.14E-09
485863.09, 3861877.25	0.01568	0.00317604	3.60E-07	1.42E-07	5.72E-05	6.49E-09	2.55E-09
486363.09, 3861877.25	0.01722	0.00348797	3.96E-07	1.55E-07	6.28E-05	7.12E-09	2.80E-09
486863.09, 3861877.25	0.01909	0.00386675	4.39E-07	1.72E-07	6.96E-05	7.90E-09	3.10E-09
487363.09, 3861877.25	0.02131	0.00431642	4.90E-07	1.92E-07	7.77E-05	8.81E-09	3.46E-09
487863.09, 3861877.25	0.02431	0.00492408	5.59E-07	2.19E-07	8.87E-05	1.01E-08	3.95E-09
488363.09, 3861877.25	0.02802	0.00567555	6.44E-07	2.53E-07	1.02E-04	1.16E-08	4.55E-09
488863.09, 3861877.25	0.03204	0.00648982	7.36E-07	2.89E-07	1.17E-04	1.33E-08	5.21E-09
489363.09, 3861877.25	0.03786	0.00766868	8.70E-07	3.42E-07	1.38E-04	1.57E-08	6.15E-09
489863.09, 3861877.25	0.04428	0.00896907	1.02E-06	4.00E-07	1.61E-04	1.83E-08	7.20E-09
490363.09, 3861877.25	0.05593	0.01132882	1.28E-06	5.05E-07	2.04E-04	2.31E-08	9.09E-09
490863.09, 3861877.25	0.0675	0.01367237	1.55E-06	6.09E-07	2.46E-04	2.79E-08	1.10E-08
491363.09, 3861877.25	0.08354	0.01692133	1.92E-06	7.54E-07	3.05E-04	3.46E-08	1.36E-08
491863.09, 3861877.25	0.10958	0.02219582	2.52E-06	9.89E-07	4.00E-04	4.53E-08	1.78E-08
492363.09, 3861877.25	0.1523	0.03084891	3.50E-06	1.37E-06	5.55E-04	6.30E-08	2.47E-08
492863.09, 3861877.25	0.20811	0.04215343	4.78E-06	1.88E-06	7.59E-04	8.61E-08	3.38E-08
493363.09, 3861877.25	0.28812	0.05835974	6.62E-06	2.60E-06	1.05E-03	1.19E-07	4.68E-08
493863.09, 3861877.25	0.42486	0.08605692	9.76E-06	3.83E-06	1.55E-03	1.76E-07	6.90E-08
494363.09, 3861877.25	0.76464	0.15488058	1.76E-05	6.90E-06	2.79E-03	3.16E-07	1.24E-07
494863.09, 3861877.25	1.76754	0.35802159	4.06E-05	1.60E-05	6.45E-03	7.31E-07	2.87E-07
495363.09, 3861877.25	6.42675	1.30176134	1.48E-04	5.80E-05	2.34E-02	2.66E-06	1.04E-06
495863.09, 3861877.25	9.53674	1.931701	2.19E-04	8.61E-05	3.48E-02	3.94E-06	1.55E-06
496363.09, 3861877.25	5.6593	1.14631158	1.30E-04	5.11E-05	2.06E-02	2.34E-06	9.20E-07
496863.09, 3861877.25	1.24007	0.25118064	2.85E-05	1.12E-05	4.52E-03	5.13E-07	2.02E-07
497363.09, 3861877.25	1.71288	0.34695001	3.94E-05	1.55E-05	6.25E-03	7.08E-07	2.78E-07
497863.09, 3861877.25	1.42348	0.288331	3.27E-05	1.28E-05	5.19E-03	5.89E-07	2.31E-07
498363.09, 3861877.25	1.14476	0.23187526	2.63E-05	1.03E-05	4.17E-03	4.73E-07	1.86E-07
471363.09, 3862377.25	0.0023	0.00046587	5.28E-08	2.08E-08	8.39E-06	9.51E-10	3.74E-10
471863.09, 3862377.25	0.00236	0.00047803	5.42E-08	2.13E-08	8.61E-06	9.76E-10	3.83E-10

472363.09, 3862377.25	0.00251	0.00050841	5.77E-08	2.27E-08	9.15E-06	1.04E-09	4.08E-10
472863.09, 3862377.25	0.00262	0.00053069	6.02E-08	2.36E-08	9.55E-06	1.08E-09	4.26E-10
473363.09, 3862377.25	0.00272	0.00055095	6.25E-08	2.45E-08	9.92E-06	1.13E-09	4.42E-10
473863.09, 3862377.25	0.00283	0.00057323	6.50E-08	2.55E-08	1.03E-05	1.17E-09	4.60E-10
474363.09, 3862377.25	0.00286	0.0005793	6.57E-08	2.58E-08	1.04E-05	1.18E-09	4.65E-10
474863.09, 3862377.25	0.00278	0.0005631	6.39E-08	2.51E-08	1.01E-05	1.15E-09	4.52E-10
475363.09, 3862377.25	0.00307	0.00062184	7.05E-08	2.77E-08	1.12E-05	1.27E-09	4.99E-10
475863.09, 3862377.25	0.00329	0.0006664	7.56E-08	2.97E-08	1.20E-05	1.36E-09	5.35E-10
476363.09, 3862377.25	0.00332	0.00067248	7.63E-08	3.00E-08	1.21E-05	1.37E-09	5.39E-10
476863.09, 3862377.25	0.00321	0.0006502	7.37E-08	2.90E-08	1.17E-05	1.33E-09	5.22E-10
477363.09, 3862377.25	0.00286	0.0005793	6.57E-08	2.58E-08	1.04E-05	1.18E-09	4.65E-10
477863.09, 3862377.25	0.00196	0.00039701	4.50E-08	1.77E-08	7.15E-06	8.11E-10	3.18E-10
478363.09, 3862377.25	0.00165	0.00033421	3.79E-08	1.49E-08	6.02E-06	6.82E-10	2.68E-10
478863.09, 3862377.25	0.00179	0.00036257	4.11E-08	1.62E-08	6.53E-06	7.40E-10	2.91E-10
479363.09, 3862377.25	0.00201	0.00040713	4.62E-08	1.81E-08	7.33E-06	8.31E-10	3.27E-10
479863.09, 3862377.25	0.00349	0.00070691	8.02E-08	3.15E-08	1.27E-05	1.44E-09	5.67E-10
480363.09, 3862377.25	0.00519	0.00105125	1.19E-07	4.68E-08	1.89E-05	2.15E-09	8.43E-10
480863.09, 3862377.25	0.00604	0.00122342	1.39E-07	5.45E-08	2.20E-05	2.50E-09	9.81E-10
481363.09, 3862377.25	0.00653	0.00132267	1.50E-07	5.89E-08	2.38E-05	2.70E-09	1.06E-09
481863.09, 3862377.25	0.00723	0.00146446	1.66E-07	6.53E-08	2.64E-05	2.99E-09	1.17E-09
482363.09, 3862377.25	0.00773	0.00156574	1.78E-07	6.98E-08	2.82E-05	3.20E-09	1.26E-09
482863.09, 3862377.25	0.00821	0.00166297	1.89E-07	7.41E-08	2.99E-05	3.40E-09	1.33E-09
483363.09, 3862377.25	0.00874	0.00177032	2.01E-07	7.89E-08	3.19E-05	3.62E-09	1.42E-09
483863.09, 3862377.25	0.01053	0.00213289	2.42E-07	9.50E-08	3.84E-05	4.36E-09	1.71E-09
484363.09, 3862377.25	0.01104	0.00223619	2.54E-07	9.96E-08	4.03E-05	4.57E-09	1.79E-09
484863.09, 3862377.25	0.01361	0.00275675	3.13E-07	1.23E-07	4.96E-05	5.63E-09	2.21E-09
485363.09, 3862377.25	0.01607	0.00325504	3.69E-07	1.45E-07	5.86E-05	6.65E-09	2.61E-09
485863.09, 3862377.25	0.01778	0.0036014	4.08E-07	1.60E-07	6.48E-05	7.35E-09	2.89E-09
486363.09, 3862377.25	0.02019	0.00408956	4.64E-07	1.82E-07	7.36E-05	8.35E-09	3.28E-09
486863.09, 3862377.25	0.02241	0.00453923	5.15E-07	2.02E-07	8.17E-05	9.27E-09	3.64E-09
487363.09, 3862377.25	0.0249	0.00504358	5.72E-07	2.25E-07	9.08E-05	1.03E-08	4.05E-09
487863.09, 3862377.25	0.02792	0.0056553	6.41E-07	2.52E-07	1.02E-04	1.15E-08	4.54E-09
488363.09, 3862377.25	0.03185	0.00645133	7.32E-07	2.87E-07	1.16E-04	1.32E-08	5.18E-09
488863.09, 3862377.25	0.03598	0.00728788	8.27E-07	3.25E-07	1.31E-04	1.49E-08	5.85E-09
489363.09, 3862377.25	0.04128	0.00836141	9.48E-07	3.73E-07	1.51E-04	1.71E-08	6.71E-09
489863.09, 3862377.25	0.04789	0.00970029	1.10E-06	4.32E-07	1.75E-04	1.98E-08	7.78E-09
490363.09, 3862377.25	0.05575	0.01129236	1.28E-06	5.03E-07	2.03E-04	2.31E-08	9.06E-09
490863.09, 3862377.25	0.06761	0.01369465	1.55E-06	6.10E-07	2.47E-04	2.80E-08	1.10E-08
491363.09, 3862377.25	0.08358	0.01692943	1.92E-06	7.54E-07	3.05E-04	3.46E-08	1.36E-08
491863.09, 3862377.25	0.10808	0.02189199	2.48E-06	9.76E-07	3.94E-04	4.47E-08	1.76E-08
492363.09, 3862377.25	0.13699	0.02774782	3.15E-06	1.24E-06	5.00E-04	5.67E-08	2.23E-08
492863.09, 3862377.25	0.1728	0.03500126	3.97E-06	1.56E-06	6.30E-04	7.15E-08	2.81E-08
493363.09, 3862377.25	0.22069	0.04470155	5.07E-06	1.99E-06	8.05E-04	9.13E-08	3.59E-08
493863.09, 3862377.25	0.293	0.0593482	6.73E-06	2.64E-06	1.07E-03	1.21E-07	4.76E-08
494363.09, 3862377.25	0.39918	0.08085535	9.17E-06	3.60E-06	1.46E-03	1.65E-07	6.49E-08
494863.09, 3862377.25	0.56482	0.11440632	1.30E-05	5.10E-06	2.06E-03	2.34E-07	9.18E-08
495363.09, 3862377.25	0.76095	0.15413316	1.75E-05	6.87E-06	2.77E-03	3.15E-07	1.24E-07
495863.09, 3862377.25	1.06687	0.21609836	2.45E-05	9.63E-06	3.89E-03	4.41E-07	1.73E-07
496363.09, 3862377.25	1.54361	0.31266376	3.55E-05	1.39E-05	5.63E-03	6.38E-07	2.51E-07
496863.09, 3862377.25	2.3874	0.48357646	5.48E-05	2.15E-05	8.71E-03	9.87E-07	3.88E-07
497363.09, 3862377.25	3.49681	0.70829145	8.03E-05	3.16E-05	1.28E-02	1.45E-06	5.68E-07
497863.09, 3862377.25	3.47624	0.70412492	7.99E-05	3.14E-05	1.27E-02	1.44E-06	5.65E-07
498363.09, 3862377.25	2.50652	0.50770464	5.76E-05	2.26E-05	9.14E-03	1.04E-06	4.07E-07
471363.09, 3862877.25	0.00272	0.00055095	6.25E-08	2.45E-08	9.92E-06	1.13E-09	4.42E-10
471863.09, 3862877.25	0.00283	0.00057323	6.50E-08	2.55E-08	1.03E-05	1.17E-09	4.60E-10
472363.09, 3862877.25	0.00298	0.00060361	6.85E-08	2.69E-08	1.09E-05	1.23E-09	4.84E-10
472863.09, 3862877.25	0.00307	0.00062184	7.05E-08	2.77E-08	1.12E-05	1.27E-09	4.99E-10
473363.09, 3862877.25	0.00322	0.00065222	7.40E-08	2.91E-08	1.17E-05	1.33E-09	5.23E-10
473863.09, 3862877.25	0.00335	0.00067855	7.70E-08	3.02E-08	1.22E-05	1.39E-09	5.44E-10
474363.09, 3862877.25	0.00338	0.00068463	7.77E-08	3.05E-08	1.23E-05	1.40E-09	5.49E-10
474863.09, 3862877.25	0.00345	0.00069881	7.93E-08	3.11E-08	1.26E-05	1.43E-09	5.61E-10

475363.09, 3862877.25	0.00375	0.00075958	8.62E-08	3.38E-08	1.37E-05	1.55E-09	6.09E-10
475863.09, 3862877.25	0.00394	0.00079806	9.05E-08	3.56E-08	1.44E-05	1.63E-09	6.40E-10
476363.09, 3862877.25	0.00402	0.00081427	9.24E-08	3.63E-08	1.47E-05	1.66E-09	6.53E-10
476863.09, 3862877.25	0.0039	0.00078996	8.96E-08	3.52E-08	1.42E-05	1.61E-09	6.34E-10
477363.09, 3862877.25	0.00372	0.0007535	8.55E-08	3.36E-08	1.36E-05	1.54E-09	6.04E-10
477863.09, 3862877.25	0.00297	0.00060158	6.82E-08	2.68E-08	1.08E-05	1.23E-09	4.83E-10
478363.09, 3862877.25	0.00222	0.00044967	5.10E-08	2.00E-08	8.10E-06	9.18E-10	3.61E-10
478863.09, 3862877.25	0.00223	0.00045169	5.12E-08	2.01E-08	8.13E-06	9.22E-10	3.62E-10
479363.09, 3862877.25	0.00251	0.00050841	5.77E-08	2.27E-08	9.15E-06	1.04E-09	4.08E-10
479863.09, 3862877.25	0.00542	0.00109784	1.25E-07	4.89E-08	1.98E-05	2.24E-09	8.81E-10
480363.09, 3862877.25	0.0071	0.00143813	1.63E-07	6.41E-08	2.59E-05	2.94E-09	1.15E-09
480863.09, 3862877.25	0.0077	0.00155966	1.77E-07	6.95E-08	2.81E-05	3.18E-09	1.25E-09
481363.09, 3862877.25	0.00889	0.0018007	2.04E-07	8.02E-08	3.24E-05	3.68E-09	1.44E-09
481863.09, 3862877.25	0.00818	0.00165689	1.88E-07	7.38E-08	2.98E-05	3.38E-09	1.33E-09
482363.09, 3862877.25	0.01037	0.00210048	2.38E-07	9.36E-08	3.78E-05	4.29E-09	1.69E-09
482863.09, 3862877.25	0.01075	0.00217745	2.47E-07	9.70E-08	3.92E-05	4.45E-09	1.75E-09
483363.09, 3862877.25	0.0115	0.00232937	2.64E-07	1.04E-07	4.19E-05	4.76E-09	1.87E-09
483863.09, 3862877.25	0.01276	0.00258458	2.93E-07	1.15E-07	4.65E-05	5.28E-09	2.07E-09
484363.09, 3862877.25	0.01359	0.0027527	3.12E-07	1.23E-07	4.96E-05	5.62E-09	2.21E-09
484863.09, 3862877.25	0.01614	0.00326922	3.71E-07	1.46E-07	5.89E-05	6.68E-09	2.62E-09
485363.09, 3862877.25	0.01771	0.00358722	4.07E-07	1.60E-07	6.46E-05	7.33E-09	2.88E-09
485863.09, 3862877.25	0.01966	0.0039822	4.52E-07	1.77E-07	7.17E-05	8.13E-09	3.19E-09
486363.09, 3862877.25	0.02113	0.00427996	4.85E-07	1.91E-07	7.71E-05	8.74E-09	3.43E-09
486863.09, 3862877.25	0.02393	0.00484711	5.50E-07	2.16E-07	8.73E-05	9.90E-09	3.89E-09
487363.09, 3862877.25	0.02642	0.00535147	6.07E-07	2.38E-07	9.63E-05	1.09E-08	4.29E-09
487863.09, 3862877.25	0.02955	0.00598546	6.79E-07	2.67E-07	1.08E-04	1.22E-08	4.80E-09
488363.09, 3862877.25	0.0333	0.00674503	7.65E-07	3.01E-07	1.21E-04	1.38E-08	5.41E-09
488863.09, 3862877.25	0.03749	0.00759373	8.61E-07	3.38E-07	1.37E-04	1.55E-08	6.09E-09
489363.09, 3862877.25	0.04213	0.00853358	9.68E-07	3.80E-07	1.54E-04	1.74E-08	6.85E-09
489863.09, 3862877.25	0.04756	0.00963345	1.09E-06	4.29E-07	1.73E-04	1.97E-08	7.73E-09
490363.09, 3862877.25	0.05455	0.0110493	1.25E-06	4.92E-07	1.99E-04	2.26E-08	8.86E-09
490863.09, 3862877.25	0.06326	0.01281354	1.45E-06	5.71E-07	2.31E-04	2.62E-08	1.03E-08
491363.09, 3862877.25	0.07112	0.01440561	1.63E-06	6.42E-07	2.59E-04	2.94E-08	1.16E-08
491863.09, 3862877.25	0.09176	0.01858632	2.11E-06	8.28E-07	3.35E-04	3.80E-08	1.49E-08
492363.09, 3862877.25	0.10984	0.02224849	2.52E-06	9.91E-07	4.01E-04	4.54E-08	1.78E-08
492863.09, 3862877.25	0.13147	0.02662972	3.02E-06	1.19E-06	4.79E-04	5.44E-08	2.14E-08
493363.09, 3862877.25	0.15758	0.0319184	3.62E-06	1.42E-06	5.75E-04	6.52E-08	2.56E-08
493863.09, 3862877.25	0.19674	0.03985039	4.52E-06	1.78E-06	7.17E-04	8.14E-08	3.20E-08
494363.09, 3862877.25	0.2578	0.05221832	5.92E-06	2.33E-06	9.40E-04	1.07E-07	4.19E-08
494863.09, 3862877.25	0.32269	0.06536202	7.41E-06	2.91E-06	1.18E-03	1.33E-07	5.24E-08
495363.09, 3862877.25	0.37704	0.07637081	8.66E-06	3.40E-06	1.37E-03	1.56E-07	6.13E-08
495863.09, 3862877.25	0.42449	0.08598198	9.75E-06	3.83E-06	1.55E-03	1.76E-07	6.90E-08
496363.09, 3862877.25	0.46719	0.09463102	1.07E-05	4.22E-06	1.70E-03	1.93E-07	7.59E-08
496863.09, 3862877.25	0.53697	0.10876521	1.23E-05	4.85E-06	1.96E-03	2.22E-07	8.73E-08
497363.09, 3862877.25	0.62576	0.12674994	1.44E-05	5.65E-06	2.28E-03	2.59E-07	1.02E-07
497863.09, 3862877.25	0.67791	0.13731311	1.56E-05	6.12E-06	2.47E-03	2.80E-07	1.10E-07
498363.09, 3862877.25	0.65609	0.13289339	1.51E-05	5.92E-06	2.39E-03	2.71E-07	1.07E-07
471363.09, 3863377.25	0.0032	0.00064817	7.35E-08	2.89E-08	1.17E-05	1.32E-09	5.20E-10
471863.09, 3863377.25	0.00331	0.00067045	7.60E-08	2.99E-08	1.21E-05	1.37E-09	5.38E-10
472363.09, 3863377.25	0.00348	0.00070489	8.00E-08	3.14E-08	1.27E-05	1.44E-09	5.65E-10
472863.09, 3863377.25	0.00371	0.00075147	8.52E-08	3.35E-08	1.35E-05	1.53E-09	6.03E-10
473363.09, 3863377.25	0.00395	0.00080009	9.07E-08	3.57E-08	1.44E-05	1.63E-09	6.42E-10
473863.09, 3863377.25	0.00411	0.0008325	9.44E-08	3.71E-08	1.50E-05	1.70E-09	6.68E-10
474363.09, 3863377.25	0.00423	0.0008568	9.72E-08	3.82E-08	1.54E-05	1.75E-09	6.87E-10
474863.09, 3863377.25	0.00469	0.00094998	1.08E-07	4.23E-08	1.71E-05	1.94E-09	7.62E-10
475363.09, 3863377.25	0.00475	0.00096213	1.09E-07	4.29E-08	1.73E-05	1.96E-09	7.72E-10
475863.09, 3863377.25	0.00475	0.00096213	1.09E-07	4.29E-08	1.73E-05	1.96E-09	7.72E-10
476363.09, 3863377.25	0.00494	0.00100061	1.13E-07	4.46E-08	1.80E-05	2.04E-09	8.03E-10
476863.09, 3863377.25	0.00506	0.00102492	1.16E-07	4.57E-08	1.85E-05	2.09E-09	8.22E-10
477363.09, 3863377.25	0.00489	0.00099049	1.12E-07	4.41E-08	1.78E-05	2.02E-09	7.95E-10
477863.09, 3863377.25	0.00415	0.0008406	9.53E-08	3.75E-08	1.51E-05	1.72E-09	6.74E-10

478363.09, 3863377.25	0.00306	0.00061981	7.03E-08	2.76E-08	1.12E-05	1.27E-09	4.97E-10
478863.09, 3863377.25	0.00341	0.00069071	7.83E-08	3.08E-08	1.24E-05	1.41E-09	5.54E-10
479363.09, 3863377.25	0.00475	0.00096213	1.09E-07	4.29E-08	1.73E-05	1.96E-09	7.72E-10
479863.09, 3863377.25	0.00748	0.0015151	1.72E-07	6.75E-08	2.73E-05	3.09E-09	1.22E-09
480363.09, 3863377.25	0.00848	0.00171765	1.95E-07	7.65E-08	3.09E-05	3.51E-09	1.38E-09
480863.09, 3863377.25	0.0088	0.00178247	2.02E-07	7.94E-08	3.21E-05	3.64E-09	1.43E-09
481363.09, 3863377.25	0.00989	0.00200326	2.27E-07	8.93E-08	3.61E-05	4.09E-09	1.61E-09
481863.09, 3863377.25	0.01041	0.00210858	2.39E-07	9.40E-08	3.80E-05	4.31E-09	1.69E-09
482363.09, 3863377.25	0.01089	0.00220581	2.50E-07	9.83E-08	3.97E-05	4.50E-09	1.77E-09
482863.09, 3863377.25	0.01172	0.00237393	2.69E-07	1.06E-07	4.27E-05	4.85E-09	1.90E-09
483363.09, 3863377.25	0.01242	0.00251572	2.85E-07	1.12E-07	4.53E-05	5.14E-09	2.02E-09
483863.09, 3863377.25	0.01352	0.00273852	3.11E-07	1.22E-07	4.93E-05	5.59E-09	2.20E-09
484363.09, 3863377.25	0.01516	0.00307071	3.48E-07	1.37E-07	5.53E-05	6.27E-09	2.46E-09
484863.09, 3863377.25	0.01665	0.00337252	3.83E-07	1.50E-07	6.07E-05	6.89E-09	2.71E-09
485363.09, 3863377.25	0.01888	0.00382421	4.34E-07	1.70E-07	6.88E-05	7.81E-09	3.07E-09
485863.09, 3863377.25	0.02073	0.00419894	4.76E-07	1.87E-07	7.56E-05	8.57E-09	3.37E-09
486363.09, 3863377.25	0.02252	0.00456151	5.17E-07	2.03E-07	8.21E-05	9.31E-09	3.66E-09
486863.09, 3863377.25	0.02449	0.00496054	5.63E-07	2.21E-07	8.93E-05	1.01E-08	3.98E-09
487363.09, 3863377.25	0.02669	0.00540616	6.13E-07	2.41E-07	9.73E-05	1.10E-08	4.34E-09
487863.09, 3863377.25	0.02896	0.00586595	6.65E-07	2.61E-07	1.06E-04	1.20E-08	4.71E-09
488363.09, 3863377.25	0.0312	0.00631967	7.17E-07	2.82E-07	1.14E-04	1.29E-08	5.07E-09
488863.09, 3863377.25	0.03367	0.00681998	7.74E-07	3.04E-07	1.23E-04	1.39E-08	5.47E-09
489363.09, 3863377.25	0.03762	0.00762007	8.64E-07	3.40E-07	1.37E-04	1.56E-08	6.11E-09
489863.09, 3863377.25	0.04218	0.00854371	9.69E-07	3.81E-07	1.54E-04	1.74E-08	6.85E-09
490363.09, 3863377.25	0.04771	0.00966383	1.10E-06	4.31E-07	1.74E-04	1.97E-08	7.75E-09
490863.09, 3863377.25	0.05417	0.01097233	1.24E-06	4.89E-07	1.98E-04	2.24E-08	8.80E-09
491363.09, 3863377.25	0.06331	0.01282367	1.45E-06	5.71E-07	2.31E-04	2.62E-08	1.03E-08
491863.09, 3863377.25	0.07322	0.01483097	1.68E-06	6.61E-07	2.67E-04	3.03E-08	1.19E-08
492363.09, 3863377.25	0.07802	0.01580323	1.79E-06	7.04E-07	2.85E-04	3.23E-08	1.27E-08
492863.09, 3863377.25	0.06318	0.01279734	1.45E-06	5.70E-07	2.30E-04	2.61E-08	1.03E-08
493363.09, 3863377.25	0.04641	0.00940051	1.07E-06	4.19E-07	1.69E-04	1.92E-08	7.54E-09
493863.09, 3863377.25	0.05583	0.01130857	1.28E-06	5.04E-07	2.04E-04	2.31E-08	9.07E-09
494363.09, 3863377.25	0.10477	0.02122154	2.41E-06	9.46E-07	3.82E-04	4.33E-08	1.70E-08
494863.09, 3863377.25	0.114	0.02309111	2.62E-06	1.03E-06	4.16E-04	4.72E-08	1.85E-08
495363.09, 3863377.25	0.09361	0.01896104	2.15E-06	8.45E-07	3.41E-04	3.87E-08	1.52E-08
495863.09, 3863377.25	0.08759	0.01774167	2.01E-06	7.91E-07	3.19E-04	3.62E-08	1.42E-08
496363.09, 3863377.25	0.26441	0.0535572	6.07E-06	2.39E-06	9.64E-04	1.09E-07	4.30E-08
496863.09, 3863377.25	0.26172	0.05301233	6.01E-06	2.36E-06	9.54E-04	1.08E-07	4.25E-08
497363.09, 3863377.25	0.2956	0.05987484	6.79E-06	2.67E-06	1.08E-03	1.22E-07	4.80E-08
497863.09, 3863377.25	0.31904	0.0646227	7.33E-06	2.88E-06	1.16E-03	1.32E-07	5.18E-08
498363.09, 3863377.25	0.33384	0.06762049	7.67E-06	3.01E-06	1.22E-03	1.38E-07	5.42E-08
471363.09, 3863877.25	0.00366	0.00074135	8.41E-08	3.30E-08	1.33E-05	1.51E-09	5.95E-10
471863.09, 3863877.25	0.00359	0.00072717	8.25E-08	3.24E-08	1.31E-05	1.48E-09	5.83E-10
472363.09, 3863877.25	0.00387	0.00078388	8.89E-08	3.49E-08	1.41E-05	1.60E-09	6.29E-10
472863.09, 3863877.25	0.0041	0.00083047	9.42E-08	3.70E-08	1.50E-05	1.70E-09	6.66E-10
473363.09, 3863877.25	0.00449	0.00090947	1.03E-07	4.05E-08	1.64E-05	1.86E-09	7.30E-10
473863.09, 3863877.25	0.00454	0.00091959	1.04E-07	4.10E-08	1.66E-05	1.88E-09	7.38E-10
474363.09, 3863877.25	0.00476	0.00096416	1.09E-07	4.30E-08	1.74E-05	1.97E-09	7.73E-10
474863.09, 3863877.25	0.00516	0.00104518	1.19E-07	4.66E-08	1.88E-05	2.13E-09	8.38E-10
475363.09, 3863877.25	0.00503	0.00101884	1.16E-07	4.54E-08	1.83E-05	2.08E-09	8.17E-10
475863.09, 3863877.25	0.00537	0.00108771	1.23E-07	4.85E-08	1.96E-05	2.22E-09	8.73E-10
476363.09, 3863877.25	0.00537	0.00108771	1.23E-07	4.85E-08	1.96E-05	2.22E-09	8.73E-10
476863.09, 3863877.25	0.00567	0.00114848	1.30E-07	5.12E-08	2.07E-05	2.35E-09	9.21E-10
477363.09, 3863877.25	0.00559	0.00113227	1.28E-07	5.05E-08	2.04E-05	2.31E-09	9.08E-10
477863.09, 3863877.25	0.00489	0.00099049	1.12E-07	4.41E-08	1.78E-05	2.02E-09	7.95E-10
478363.09, 3863877.25	0.00368	0.0007454	8.45E-08	3.32E-08	1.34E-05	1.52E-09	5.98E-10
478863.09, 3863877.25	0.00525	0.00106341	1.21E-07	4.74E-08	1.91E-05	2.17E-09	8.53E-10
479363.09, 3863877.25	0.00674	0.00136521	1.55E-07	6.08E-08	2.46E-05	2.79E-09	1.10E-09
479863.09, 3863877.25	0.00791	0.0016022	1.82E-07	7.14E-08	2.88E-05	3.27E-09	1.29E-09
480363.09, 3863877.25	0.00885	0.0017926	2.03E-07	7.99E-08	3.23E-05	3.66E-09	1.44E-09
480863.09, 3863877.25	0.00936	0.0018959	2.15E-07	8.45E-08	3.41E-05	3.87E-09	1.52E-09

481363.09, 3863877.25	0.01018	0.002062	2.34E-07	9.19E-08	3.71E-05	4.21E-09	1.65E-09
481863.09, 3863877.25	0.01104	0.00223619	2.54E-07	9.96E-08	4.03E-05	4.57E-09	1.79E-09
482363.09, 3863877.25	0.01166	0.00236177	2.68E-07	1.05E-07	4.25E-05	4.82E-09	1.89E-09
482863.09, 3863877.25	0.01272	0.00257648	2.92E-07	1.15E-07	4.64E-05	5.26E-09	2.07E-09
483363.09, 3863877.25	0.01377	0.00278916	3.16E-07	1.24E-07	5.02E-05	5.70E-09	2.24E-09
483863.09, 3863877.25	0.01463	0.00296336	3.36E-07	1.32E-07	5.34E-05	6.05E-09	2.38E-09
484363.09, 3863877.25	0.01598	0.00323681	3.67E-07	1.44E-07	5.83E-05	6.61E-09	2.60E-09
484863.09, 3863877.25	0.01712	0.00346772	3.93E-07	1.55E-07	6.24E-05	7.08E-09	2.78E-09
485363.09, 3863877.25	0.01841	0.00372901	4.23E-07	1.66E-07	6.71E-05	7.61E-09	2.99E-09
485863.09, 3863877.25	0.01935	0.00391941	4.45E-07	1.75E-07	7.06E-05	8.00E-09	3.14E-09
486363.09, 3863877.25	0.02084	0.00422122	4.79E-07	1.88E-07	7.60E-05	8.62E-09	3.39E-09
486863.09, 3863877.25	0.02223	0.00450277	5.11E-07	2.01E-07	8.11E-05	9.19E-09	3.61E-09
487363.09, 3863877.25	0.02385	0.0048309	5.48E-07	2.15E-07	8.70E-05	9.86E-09	3.88E-09
487863.09, 3863877.25	0.02574	0.00521373	5.91E-07	2.32E-07	9.39E-05	1.06E-08	4.18E-09
488363.09, 3863877.25	0.02789	0.00564922	6.41E-07	2.52E-07	1.02E-04	1.15E-08	4.53E-09
488863.09, 3863877.25	0.0305	0.00617788	7.01E-07	2.75E-07	1.11E-04	1.26E-08	4.96E-09
489363.09, 3863877.25	0.03376	0.00683821	7.76E-07	3.05E-07	1.23E-04	1.40E-08	5.49E-09
489863.09, 3863877.25	0.03767	0.00763019	8.65E-07	3.40E-07	1.37E-04	1.56E-08	6.12E-09
490363.09, 3863877.25	0.04235	0.00857814	9.73E-07	3.82E-07	1.54E-04	1.75E-08	6.88E-09
490863.09, 3863877.25	0.04701	0.00952204	1.08E-06	4.24E-07	1.71E-04	1.94E-08	7.64E-09
491363.09, 3863877.25	0.05182	0.01049633	1.19E-06	4.68E-07	1.89E-04	2.14E-08	8.42E-09
491863.09, 3863877.25	0.04415	0.00894274	1.01E-06	3.98E-07	1.61E-04	1.83E-08	7.17E-09
492363.09, 3863877.25	0.02256	0.00456961	5.18E-07	2.04E-07	8.23E-05	9.33E-09	3.67E-09
492863.09, 3863877.25	0.01439	0.00291475	3.31E-07	1.30E-07	5.25E-05	5.95E-09	2.34E-09
493363.09, 3863877.25	0.01626	0.00329352	3.74E-07	1.47E-07	5.93E-05	6.73E-09	2.64E-09
493863.09, 3863877.25	0.02492	0.00504764	5.73E-07	2.25E-07	9.09E-05	1.03E-08	4.05E-09
494363.09, 3863877.25	0.0353	0.00715014	8.11E-07	3.19E-07	1.29E-04	1.46E-08	5.74E-09
494863.09, 3863877.25	0.04577	0.00927088	1.05E-06	4.13E-07	1.67E-04	1.89E-08	7.44E-09
495363.09, 3863877.25	0.05164	0.01045987	1.19E-06	4.66E-07	1.88E-04	2.14E-08	8.39E-09
495863.09, 3863877.25	0.05306	0.01074749	1.22E-06	4.79E-07	1.93E-04	2.19E-08	8.62E-09
496363.09, 3863877.25	0.09697	0.01964162	2.23E-06	8.75E-07	3.54E-04	4.01E-08	1.58E-08
496863.09, 3863877.25	0.16252	0.03291901	3.73E-06	1.47E-06	5.93E-04	6.72E-08	2.64E-08
497363.09, 3863877.25	0.1907	0.03862697	4.38E-06	1.72E-06	6.95E-04	7.89E-08	3.10E-08
497863.09, 3863877.25	0.19882	0.04027171	4.57E-06	1.79E-06	7.25E-04	8.22E-08	3.23E-08
498363.09, 3863877.25	0.19735	0.03997395	4.53E-06	1.78E-06	7.20E-04	8.16E-08	3.21E-08
471363.09, 3864377.25	0.00358	0.00072514	8.22E-08	3.23E-08	1.31E-05	1.48E-09	5.82E-10
471863.09, 3864377.25	0.00368	0.0007454	8.45E-08	3.32E-08	1.34E-05	1.52E-09	5.98E-10
472363.09, 3864377.25	0.00384	0.00077781	8.82E-08	3.47E-08	1.40E-05	1.59E-09	6.24E-10
472863.09, 3864377.25	0.00397	0.00080414	9.12E-08	3.58E-08	1.45E-05	1.64E-09	6.45E-10
473363.09, 3864377.25	0.00438	0.00088718	1.01E-07	3.95E-08	1.60E-05	1.81E-09	7.12E-10
473863.09, 3864377.25	0.00461	0.00093377	1.06E-07	4.16E-08	1.68E-05	1.91E-09	7.49E-10
474363.09, 3864377.25	0.00469	0.00094998	1.08E-07	4.23E-08	1.71E-05	1.94E-09	7.62E-10
474863.09, 3864377.25	0.00505	0.0010229	1.16E-07	4.56E-08	1.84E-05	2.09E-09	8.21E-10
475363.09, 3864377.25	0.00511	0.00103505	1.17E-07	4.61E-08	1.86E-05	2.11E-09	8.30E-10
475863.09, 3864377.25	0.00539	0.00109176	1.24E-07	4.86E-08	1.97E-05	2.23E-09	8.76E-10
476363.09, 3864377.25	0.00555	0.00112417	1.28E-07	5.01E-08	2.02E-05	2.30E-09	9.02E-10
476863.09, 3864377.25	0.00563	0.00114038	1.29E-07	5.08E-08	2.05E-05	2.33E-09	9.15E-10
477363.09, 3864377.25	0.00614	0.00124368	1.41E-07	5.54E-08	2.24E-05	2.54E-09	9.98E-10
477863.09, 3864377.25	0.00657	0.00133078	1.51E-07	5.93E-08	2.40E-05	2.72E-09	1.07E-09
478363.09, 3864377.25	0.00696	0.00140977	1.60E-07	6.28E-08	2.54E-05	2.88E-09	1.13E-09
478863.09, 3864377.25	0.00737	0.00149282	1.69E-07	6.65E-08	2.69E-05	3.05E-09	1.20E-09
479363.09, 3864377.25	0.00822	0.00166499	1.89E-07	7.42E-08	3.00E-05	3.40E-09	1.34E-09
479863.09, 3864377.25	0.00882	0.00178652	2.03E-07	7.96E-08	3.22E-05	3.65E-09	1.43E-09
480363.09, 3864377.25	0.00934	0.00189185	2.15E-07	8.43E-08	3.41E-05	3.86E-09	1.52E-09
480863.09, 3864377.25	0.01038	0.00210251	2.38E-07	9.37E-08	3.79E-05	4.29E-09	1.69E-09
481363.09, 3864377.25	0.01114	0.00225645	2.56E-07	1.01E-07	4.06E-05	4.61E-09	1.81E-09
481863.09, 3864377.25	0.01176	0.00238203	2.70E-07	1.06E-07	4.29E-05	4.86E-09	1.91E-09
482363.09, 3864377.25	0.01235	0.00250154	2.84E-07	1.11E-07	4.50E-05	5.11E-09	2.01E-09
482863.09, 3864377.25	0.01296	0.00262509	2.98E-07	1.17E-07	4.73E-05	5.36E-09	2.11E-09
483363.09, 3864377.25	0.01368	0.00277093	3.14E-07	1.23E-07	4.99E-05	5.66E-09	2.22E-09
483863.09, 3864377.25	0.01437	0.0029107	3.30E-07	1.30E-07	5.24E-05	5.94E-09	2.34E-09

484363.09, 3864377.25	0.01506	0.00305046	3.46E-07	1.36E-07	5.49E-05	6.23E-09	2.45E-09
484863.09, 3864377.25	0.01603	0.00324693	3.68E-07	1.45E-07	5.85E-05	6.63E-09	2.60E-09
485363.09, 3864377.25	0.0171	0.00346367	3.93E-07	1.54E-07	6.24E-05	7.07E-09	2.78E-09
485863.09, 3864377.25	0.01824	0.00369458	4.19E-07	1.65E-07	6.65E-05	7.54E-09	2.96E-09
486363.09, 3864377.25	0.01944	0.00393764	4.47E-07	1.75E-07	7.09E-05	8.04E-09	3.16E-09
486863.09, 3864377.25	0.02067	0.00418678	4.75E-07	1.87E-07	7.54E-05	8.55E-09	3.36E-09
487363.09, 3864377.25	0.02182	0.00441972	5.01E-07	1.97E-07	7.96E-05	9.03E-09	3.55E-09
487863.09, 3864377.25	0.0234	0.00473975	5.38E-07	2.11E-07	8.53E-05	9.68E-09	3.80E-09
488363.09, 3864377.25	0.02565	0.0051955	5.89E-07	2.32E-07	9.35E-05	1.06E-08	4.17E-09
488863.09, 3864377.25	0.02742	0.00555402	6.30E-07	2.47E-07	1.00E-04	1.13E-08	4.46E-09
489363.09, 3864377.25	0.02969	0.00601382	6.82E-07	2.68E-07	1.08E-04	1.23E-08	4.82E-09
489863.09, 3864377.25	0.03223	0.0065283	7.40E-07	2.91E-07	1.18E-04	1.33E-08	5.24E-09
490363.09, 3864377.25	0.03509	0.00710761	8.06E-07	3.17E-07	1.28E-04	1.45E-08	5.70E-09
490863.09, 3864377.25	0.03762	0.00762007	8.64E-07	3.40E-07	1.37E-04	1.56E-08	6.11E-09
491363.09, 3864377.25	0.02332	0.00472355	5.36E-07	2.10E-07	8.50E-05	9.65E-09	3.79E-09
491863.09, 3864377.25	0.00276	0.00055905	6.34E-08	2.49E-08	1.01E-05	1.14E-09	4.48E-10
492363.09, 3864377.25	0.00601	0.00121735	1.38E-07	5.42E-08	2.19E-05	2.49E-09	9.77E-10
492863.09, 3864377.25	0.00325	0.0006583	7.47E-08	2.93E-08	1.19E-05	1.34E-09	5.28E-10
493363.09, 3864377.25	0.00567	0.00114848	1.30E-07	5.12E-08	2.07E-05	2.35E-09	9.21E-10
493863.09, 3864377.25	0.01148	0.00232532	2.64E-07	1.04E-07	4.19E-05	4.75E-09	1.87E-09
494363.09, 3864377.25	0.01821	0.0036885	4.18E-07	1.64E-07	6.64E-05	7.53E-09	2.96E-09
494863.09, 3864377.25	0.02717	0.00550338	6.24E-07	2.45E-07	9.91E-05	1.12E-08	4.41E-09
495363.09, 3864377.25	0.03423	0.00693341	7.86E-07	3.09E-07	1.25E-04	1.42E-08	5.56E-09
495863.09, 3864377.25	0.03704	0.00750259	8.51E-07	3.34E-07	1.35E-04	1.53E-08	6.02E-09
496363.09, 3864377.25	0.04654	0.00942684	1.07E-06	4.20E-07	1.70E-04	1.92E-08	7.56E-09
496863.09, 3864377.25	0.06073	0.01230108	1.40E-06	5.48E-07	2.21E-04	2.51E-08	9.87E-09
497363.09, 3864377.25	0.09993	0.02024118	2.30E-06	9.02E-07	3.64E-04	4.13E-08	1.62E-08
497863.09, 3864377.25	0.09952	0.02015813	2.29E-06	8.98E-07	3.63E-04	4.12E-08	1.62E-08
498363.09, 3864377.25	0.13727	0.02780453	3.15E-06	1.24E-06	5.01E-04	5.68E-08	2.23E-08
471363.09, 3864877.25	0.00353	0.00071501	8.11E-08	3.19E-08	1.29E-05	1.46E-09	5.74E-10
471863.09, 3864877.25	0.00365	0.00073932	8.39E-08	3.29E-08	1.33E-05	1.51E-09	5.93E-10
472363.09, 3864877.25	0.00384	0.00077781	8.82E-08	3.47E-08	1.40E-05	1.59E-09	6.24E-10
472863.09, 3864877.25	0.00406	0.00082237	9.33E-08	3.66E-08	1.48E-05	1.68E-09	6.60E-10
473363.09, 3864877.25	0.00449	0.00090947	1.03E-07	4.05E-08	1.64E-05	1.86E-09	7.30E-10
473863.09, 3864877.25	0.00482	0.00097631	1.11E-07	4.35E-08	1.76E-05	1.99E-09	7.83E-10
474363.09, 3864877.25	0.00504	0.00102087	1.16E-07	4.55E-08	1.84E-05	2.08E-09	8.19E-10
474863.09, 3864877.25	0.00533	0.00107961	1.22E-07	4.81E-08	1.94E-05	2.20E-09	8.66E-10
475363.09, 3864877.25	0.00563	0.00114038	1.29E-07	5.08E-08	2.05E-05	2.33E-09	9.15E-10
475863.09, 3864877.25	0.00602	0.00121937	1.38E-07	5.43E-08	2.20E-05	2.49E-09	9.78E-10
476363.09, 3864877.25	0.00628	0.00127204	1.44E-07	5.67E-08	2.29E-05	2.60E-09	1.02E-09
476863.09, 3864877.25	0.00626	0.00126799	1.44E-07	5.65E-08	2.28E-05	2.59E-09	1.02E-09
477363.09, 3864877.25	0.00682	0.00138142	1.57E-07	6.16E-08	2.49E-05	2.82E-09	1.11E-09
477863.09, 3864877.25	0.00731	0.00148067	1.68E-07	6.60E-08	2.67E-05	3.02E-09	1.19E-09
478363.09, 3864877.25	0.00783	0.00158599	1.80E-07	7.07E-08	2.86E-05	3.24E-09	1.27E-09
478863.09, 3864877.25	0.0084	0.00170145	1.93E-07	7.58E-08	3.06E-05	3.47E-09	1.36E-09
479363.09, 3864877.25	0.00898	0.00181893	2.06E-07	8.11E-08	3.27E-05	3.71E-09	1.46E-09
479863.09, 3864877.25	0.00954	0.00193236	2.19E-07	8.61E-08	3.48E-05	3.95E-09	1.55E-09
480363.09, 3864877.25	0.00988	0.00200123	2.27E-07	8.92E-08	3.60E-05	4.09E-09	1.61E-09
480863.09, 3864877.25	0.01043	0.00211263	2.40E-07	9.41E-08	3.80E-05	4.31E-09	1.69E-09
481363.09, 3864877.25	0.01083	0.00219366	2.49E-07	9.77E-08	3.95E-05	4.48E-09	1.76E-09
481863.09, 3864877.25	0.01124	0.0022767	2.58E-07	1.01E-07	4.10E-05	4.65E-09	1.83E-09
482363.09, 3864877.25	0.01161	0.00235165	2.67E-07	1.05E-07	4.23E-05	4.80E-09	1.89E-09
482863.09, 3864877.25	0.01208	0.00244685	2.78E-07	1.09E-07	4.41E-05	5.00E-09	1.96E-09
483363.09, 3864877.25	0.01271	0.00257446	2.92E-07	1.15E-07	4.63E-05	5.26E-09	2.07E-09
483863.09, 3864877.25	0.01361	0.00275675	3.13E-07	1.23E-07	4.96E-05	5.63E-09	2.21E-09
484363.09, 3864877.25	0.01449	0.002935	3.33E-07	1.31E-07	5.28E-05	5.99E-09	2.35E-09
484863.09, 3864877.25	0.0154	0.00311933	3.54E-07	1.39E-07	5.62E-05	6.37E-09	2.50E-09
485363.09, 3864877.25	0.01609	0.00325909	3.70E-07	1.45E-07	5.87E-05	6.66E-09	2.61E-09
485863.09, 3864877.25	0.01689	0.00342113	3.88E-07	1.52E-07	6.16E-05	6.99E-09	2.74E-09
486363.09, 3864877.25	0.01766	0.0035771	4.06E-07	1.59E-07	6.44E-05	7.30E-09	2.87E-09
486863.09, 3864877.25	0.01868	0.0037837	4.29E-07	1.69E-07	6.81E-05	7.73E-09	3.04E-09

487363.09, 3864877.25	0.02011	0.00407335	4.62E-07	1.82E-07	7.33E-05	8.32E-09	3.27E-09
487863.09, 3864877.25	0.02155	0.00436503	4.95E-07	1.95E-07	7.86E-05	8.91E-09	3.50E-09
488363.09, 3864877.25	0.02297	0.00465266	5.28E-07	2.07E-07	8.38E-05	9.50E-09	3.73E-09
488863.09, 3864877.25	0.02442	0.00494636	5.61E-07	2.20E-07	8.91E-05	1.01E-08	3.97E-09
489363.09, 3864877.25	0.0259	0.00524614	5.95E-07	2.34E-07	9.44E-05	1.07E-08	4.21E-09
489863.09, 3864877.25	0.02761	0.0055925	6.34E-07	2.49E-07	1.01E-04	1.14E-08	4.49E-09
490363.09, 3864877.25	0.02918	0.00591051	6.70E-07	2.63E-07	1.06E-04	1.21E-08	4.74E-09
490863.09, 3864877.25	0.0094	0.001904	2.16E-07	8.48E-08	3.43E-05	3.89E-09	1.53E-09
491363.09, 3864877.25	0.02076	0.00420501	4.77E-07	1.87E-07	7.57E-05	8.59E-09	3.37E-09
491863.09, 3864877.25	0.0091	0.00184324	2.09E-07	8.21E-08	3.32E-05	3.76E-09	1.48E-09
492363.09, 3864877.25	0.0018	0.0003646	4.14E-08	1.62E-08	6.56E-06	7.45E-10	2.92E-10
492863.09, 3864877.25	0.00224	0.00045372	5.15E-08	2.02E-08	8.17E-06	9.27E-10	3.64E-10
493363.09, 3864877.25	0.00232	0.00046992	5.33E-08	2.09E-08	8.46E-06	9.60E-10	3.77E-10
493863.09, 3864877.25	0.00617	0.00124976	1.42E-07	5.57E-08	2.25E-05	2.55E-09	1.00E-09
494363.09, 3864877.25	0.01274	0.00258053	2.93E-07	1.15E-07	4.65E-05	5.27E-09	2.07E-09
494863.09, 3864877.25	0.01635	0.00331175	3.76E-07	1.48E-07	5.96E-05	6.76E-09	2.66E-09
495363.09, 3864877.25	0.02134	0.00432249	4.90E-07	1.93E-07	7.78E-05	8.83E-09	3.47E-09
495863.09, 3864877.25	0.03472	0.00703266	7.98E-07	3.13E-07	1.27E-04	1.44E-08	5.64E-09
496363.09, 3864877.25	0.02874	0.00582139	6.60E-07	2.59E-07	1.05E-04	1.19E-08	4.67E-09
496863.09, 3864877.25	0.0325	0.00658299	7.47E-07	2.93E-07	1.19E-04	1.34E-08	5.28E-09
497363.09, 3864877.25	0.04488	0.00909061	1.03E-06	4.05E-07	1.64E-04	1.86E-08	7.29E-09
497863.09, 3864877.25	0.05403	0.01094397	1.24E-06	4.88E-07	1.97E-04	2.23E-08	8.78E-09
498363.09, 3864877.25	0.07889	0.01597945	1.81E-06	7.12E-07	2.88E-04	3.26E-08	1.28E-08
471363.09, 3865377.25	0.00391	0.00079198	8.98E-08	3.53E-08	1.43E-05	1.62E-09	6.35E-10
471863.09, 3865377.25	0.00409	0.00082844	9.40E-08	3.69E-08	1.49E-05	1.69E-09	6.65E-10
472363.09, 3865377.25	0.00433	0.00087706	9.95E-08	3.91E-08	1.58E-05	1.79E-09	7.04E-10
472863.09, 3865377.25	0.00443	0.00089731	1.02E-07	4.00E-08	1.62E-05	1.83E-09	7.20E-10
473363.09, 3865377.25	0.00498	0.00100872	1.14E-07	4.49E-08	1.82E-05	2.06E-09	8.09E-10
473863.09, 3865377.25	0.00533	0.00107961	1.22E-07	4.81E-08	1.94E-05	2.20E-09	8.66E-10
474363.09, 3865377.25	0.00561	0.00113633	1.29E-07	5.06E-08	2.05E-05	2.32E-09	9.12E-10
474863.09, 3865377.25	0.00579	0.00117279	1.33E-07	5.23E-08	2.11E-05	2.39E-09	9.41E-10
475363.09, 3865377.25	0.00622	0.00125988	1.43E-07	5.61E-08	2.27E-05	2.57E-09	1.01E-09
475863.09, 3865377.25	0.00646	0.0013085	1.48E-07	5.83E-08	2.36E-05	2.67E-09	1.05E-09
476363.09, 3865377.25	0.00543	0.00109987	1.25E-07	4.90E-08	1.98E-05	2.25E-09	8.82E-10
476863.09, 3865377.25	0.00335	0.00067855	7.70E-08	3.02E-08	1.22E-05	1.39E-09	5.44E-10
477363.09, 3865377.25	0.00622	0.00125988	1.43E-07	5.61E-08	2.27E-05	2.57E-09	1.01E-09
477863.09, 3865377.25	0.00759	0.00153738	1.74E-07	6.85E-08	2.77E-05	3.14E-09	1.23E-09
478363.09, 3865377.25	0.00794	0.00160828	1.82E-07	7.17E-08	2.90E-05	3.28E-09	1.29E-09
478863.09, 3865377.25	0.00841	0.00170348	1.93E-07	7.59E-08	3.07E-05	3.48E-09	1.37E-09
479363.09, 3865377.25	0.00873	0.00176829	2.01E-07	7.88E-08	3.18E-05	3.61E-09	1.42E-09
479863.09, 3865377.25	0.00888	0.00179868	2.04E-07	8.01E-08	3.24E-05	3.67E-09	1.44E-09
480363.09, 3865377.25	0.00922	0.00186754	2.12E-07	8.32E-08	3.36E-05	3.81E-09	1.50E-09
480863.09, 3865377.25	0.00958	0.00194046	2.20E-07	8.65E-08	3.49E-05	3.96E-09	1.56E-09
481363.09, 3865377.25	0.01	0.00202554	2.30E-07	9.03E-08	3.65E-05	4.14E-09	1.62E-09
481863.09, 3865377.25	0.01055	0.00213694	2.42E-07	9.52E-08	3.85E-05	4.36E-09	1.71E-09
482363.09, 3865377.25	0.01115	0.00225847	2.56E-07	1.01E-07	4.07E-05	4.61E-09	1.81E-09
482863.09, 3865377.25	0.01183	0.00239621	2.72E-07	1.07E-07	4.31E-05	4.89E-09	1.92E-09
483363.09, 3865377.25	0.0125	0.00253192	2.87E-07	1.13E-07	4.56E-05	5.17E-09	2.03E-09
483863.09, 3865377.25	0.01309	0.00265143	3.01E-07	1.18E-07	4.77E-05	5.41E-09	2.13E-09
484363.09, 3865377.25	0.01355	0.0027446	3.11E-07	1.22E-07	4.94E-05	5.60E-09	2.20E-09
484863.09, 3865377.25	0.01396	0.00282765	3.21E-07	1.26E-07	5.09E-05	5.77E-09	2.27E-09
485363.09, 3865377.25	0.01449	0.002935	3.33E-07	1.31E-07	5.28E-05	5.99E-09	2.35E-09
485863.09, 3865377.25	0.01534	0.00310717	3.52E-07	1.38E-07	5.59E-05	6.34E-09	2.49E-09
486363.09, 3865377.25	0.01631	0.00330365	3.75E-07	1.47E-07	5.95E-05	6.75E-09	2.65E-09
486863.09, 3865377.25	0.01759	0.00356292	4.04E-07	1.59E-07	6.41E-05	7.28E-09	2.86E-09
487363.09, 3865377.25	0.01884	0.00381611	4.33E-07	1.70E-07	6.87E-05	7.79E-09	3.06E-09
487863.09, 3865377.25	0.01979	0.00400854	4.55E-07	1.79E-07	7.22E-05	8.19E-09	3.22E-09
488363.09, 3865377.25	0.02022	0.00409563	4.65E-07	1.83E-07	7.37E-05	8.36E-09	3.29E-09
488863.09, 3865377.25	0.02061	0.00417463	4.74E-07	1.86E-07	7.52E-05	8.52E-09	3.35E-09
489363.09, 3865377.25	0.02148	0.00435085	4.93E-07	1.94E-07	7.83E-05	8.88E-09	3.49E-09
489863.09, 3865377.25	0.02224	0.00450479	5.11E-07	2.01E-07	8.11E-05	9.20E-09	3.61E-09

490363.09, 3865377.25	0.01005	0.00203566	2.31E-07	9.07E-08	3.66E-05	4.16E-09	1.63E-09
490863.09, 3865377.25	0.00891	0.00180475	2.05E-07	8.04E-08	3.25E-05	3.69E-09	1.45E-09
491363.09, 3865377.25	0.00816	0.00165284	1.87E-07	7.36E-08	2.98E-05	3.38E-09	1.33E-09
491863.09, 3865377.25	0.00807	0.00163461	1.85E-07	7.28E-08	2.94E-05	3.34E-09	1.31E-09
492363.09, 3865377.25	0.00383	0.00077578	8.80E-08	3.46E-08	1.40E-05	1.58E-09	6.22E-10
492863.09, 3865377.25	0.00251	0.00050841	5.77E-08	2.27E-08	9.15E-06	1.04E-09	4.08E-10
493363.09, 3865377.25	0.00211	0.00042739	4.85E-08	1.90E-08	7.69E-06	8.73E-10	3.43E-10
493863.09, 3865377.25	0.00323	0.00065425	7.42E-08	2.92E-08	1.18E-05	1.34E-09	5.25E-10
494363.09, 3865377.25	0.00621	0.00125786	1.43E-07	5.60E-08	2.26E-05	2.57E-09	1.01E-09
494863.09, 3865377.25	0.01035	0.00209643	2.38E-07	9.34E-08	3.77E-05	4.28E-09	1.68E-09
495363.09, 3865377.25	0.01151	0.00233139	2.64E-07	1.04E-07	4.20E-05	4.76E-09	1.87E-09
495863.09, 3865377.25	0.01914	0.00387688	4.40E-07	1.73E-07	6.98E-05	7.92E-09	3.11E-09
496363.09, 3865377.25	0.01644	0.00332998	3.78E-07	1.48E-07	6.00E-05	6.80E-09	2.67E-09
496863.09, 3865377.25	0.01687	0.00341708	3.88E-07	1.52E-07	6.15E-05	6.98E-09	2.74E-09
497363.09, 3865377.25	0.02571	0.00520765	5.91E-07	2.32E-07	9.38E-05	1.06E-08	4.18E-09
497863.09, 3865377.25	0.03258	0.0065992	7.49E-07	2.94E-07	1.19E-04	1.35E-08	5.29E-09
498363.09, 3865377.25	0.03095	0.00626903	7.11E-07	2.79E-07	1.13E-04	1.28E-08	5.03E-09
471363.09, 3865877.25	0.00429	0.00086895	9.86E-08	3.87E-08	1.56E-05	1.77E-09	6.97E-10
471863.09, 3865877.25	0.00454	0.00091959	1.04E-07	4.10E-08	1.66E-05	1.88E-09	7.38E-10
472363.09, 3865877.25	0.00439	0.00088921	1.01E-07	3.96E-08	1.60E-05	1.82E-09	7.13E-10
472863.09, 3865877.25	0.00503	0.00101884	1.16E-07	4.54E-08	1.83E-05	2.08E-09	8.17E-10
473363.09, 3865877.25	0.00538	0.00108974	1.24E-07	4.86E-08	1.96E-05	2.23E-09	8.74E-10
473863.09, 3865877.25	0.00557	0.00112822	1.28E-07	5.03E-08	2.03E-05	2.30E-09	9.05E-10
474363.09, 3865877.25	0.00583	0.00118089	1.34E-07	5.26E-08	2.13E-05	2.41E-09	9.47E-10
474863.09, 3865877.25	0.00596	0.00120722	1.37E-07	5.38E-08	2.17E-05	2.47E-09	9.68E-10
475363.09, 3865877.25	0.00625	0.00126596	1.44E-07	5.64E-08	2.28E-05	2.59E-09	1.02E-09
475863.09, 3865877.25	0.00639	0.00129432	1.47E-07	5.77E-08	2.33E-05	2.64E-09	1.04E-09
476363.09, 3865877.25	0.00446	0.00090339	1.02E-07	4.03E-08	1.63E-05	1.84E-09	7.25E-10
476863.09, 3865877.25	0.00328	0.00066438	7.54E-08	2.96E-08	1.20E-05	1.36E-09	5.33E-10
477363.09, 3865877.25	0.00545	0.00110392	1.25E-07	4.92E-08	1.99E-05	2.25E-09	8.86E-10
477863.09, 3865877.25	0.00692	0.00140167	1.59E-07	6.25E-08	2.52E-05	2.86E-09	1.12E-09
478363.09, 3865877.25	0.00723	0.00146446	1.66E-07	6.53E-08	2.64E-05	2.99E-09	1.17E-09
478863.09, 3865877.25	0.00754	0.00152725	1.73E-07	6.81E-08	2.75E-05	3.12E-09	1.23E-09
479363.09, 3865877.25	0.00786	0.00159207	1.81E-07	7.09E-08	2.87E-05	3.25E-09	1.28E-09
479863.09, 3865877.25	0.00831	0.00168322	1.91E-07	7.50E-08	3.03E-05	3.44E-09	1.35E-09
480363.09, 3865877.25	0.00881	0.0017845	2.02E-07	7.95E-08	3.21E-05	3.64E-09	1.43E-09
480863.09, 3865877.25	0.00933	0.00188983	2.14E-07	8.42E-08	3.40E-05	3.86E-09	1.52E-09
481363.09, 3865877.25	0.00986	0.00199718	2.27E-07	8.90E-08	3.60E-05	4.08E-09	1.60E-09
481863.09, 3865877.25	0.01034	0.0020944	2.38E-07	9.33E-08	3.77E-05	4.28E-09	1.68E-09
482363.09, 3865877.25	0.01085	0.00219771	2.49E-07	9.79E-08	3.96E-05	4.49E-09	1.76E-09
482863.09, 3865877.25	0.01127	0.00228278	2.59E-07	1.02E-07	4.11E-05	4.66E-09	1.83E-09
483363.09, 3865877.25	0.01169	0.00236785	2.69E-07	1.06E-07	4.26E-05	4.84E-09	1.90E-09
483863.09, 3865877.25	0.01184	0.00239823	2.72E-07	1.07E-07	4.32E-05	4.90E-09	1.92E-09
484363.09, 3865877.25	0.01232	0.00249546	2.83E-07	1.11E-07	4.49E-05	5.10E-09	2.00E-09
484863.09, 3865877.25	0.01307	0.00264738	3.00E-07	1.18E-07	4.77E-05	5.41E-09	2.12E-09
485363.09, 3865877.25	0.01389	0.00281347	3.19E-07	1.25E-07	5.07E-05	5.75E-09	2.26E-09
485863.09, 3865877.25	0.01479	0.00299577	3.40E-07	1.33E-07	5.39E-05	6.12E-09	2.40E-09
486363.09, 3865877.25	0.01566	0.00317199	3.60E-07	1.41E-07	5.71E-05	6.48E-09	2.54E-09
486863.09, 3865877.25	0.01625	0.0032915	3.73E-07	1.47E-07	5.93E-05	6.72E-09	2.64E-09
487363.09, 3865877.25	0.01646	0.00333403	3.78E-07	1.49E-07	6.00E-05	6.81E-09	2.67E-09
487863.09, 3865877.25	0.01645	0.00333201	3.78E-07	1.48E-07	6.00E-05	6.80E-09	2.67E-09
488363.09, 3865877.25	0.01718	0.00347987	3.95E-07	1.55E-07	6.26E-05	7.11E-09	2.79E-09
488863.09, 3865877.25	0.01804	0.00365407	4.14E-07	1.63E-07	6.58E-05	7.46E-09	2.93E-09
489363.09, 3865877.25	0.01898	0.00384447	4.36E-07	1.71E-07	6.92E-05	7.85E-09	3.08E-09
489863.09, 3865877.25	0.02025	0.00410171	4.65E-07	1.83E-07	7.38E-05	8.38E-09	3.29E-09
490363.09, 3865877.25	0.01594	0.0032287	3.66E-07	1.44E-07	5.81E-05	6.59E-09	2.59E-09
490863.09, 3865877.25	0.0092	0.00186349	2.11E-07	8.30E-08	3.35E-05	3.81E-09	1.49E-09
491363.09, 3865877.25	0.00638	0.00129229	1.47E-07	5.76E-08	2.33E-05	2.64E-09	1.04E-09
491863.09, 3865877.25	0.00716	0.00145028	1.64E-07	6.46E-08	2.61E-05	2.96E-09	1.16E-09
492363.09, 3865877.25	0.00595	0.00120519	1.37E-07	5.37E-08	2.17E-05	2.46E-09	9.67E-10
492863.09, 3865877.25	0.00278	0.0005631	6.39E-08	2.51E-08	1.01E-05	1.15E-09	4.52E-10

493363.09, 3865877.25	0.00246	0.00049828	5.65E-08	2.22E-08	8.97E-06	1.02E-09	4.00E-10
493863.09, 3865877.25	0.00356	0.00072109	8.18E-08	3.21E-08	1.30E-05	1.47E-09	5.78E-10
494363.09, 3865877.25	0.00558	0.00113025	1.28E-07	5.04E-08	2.03E-05	2.31E-09	9.07E-10
494863.09, 3865877.25	0.01066	0.00215922	2.45E-07	9.62E-08	3.89E-05	4.41E-09	1.73E-09
495363.09, 3865877.25	0.01133	0.00229493	2.60E-07	1.02E-07	4.13E-05	4.69E-09	1.84E-09
495863.09, 3865877.25	0.01033	0.00209238	2.37E-07	9.32E-08	3.77E-05	4.27E-09	1.68E-09
496363.09, 3865877.25	0.0094	0.001904	2.16E-07	8.48E-08	3.43E-05	3.89E-09	1.53E-09
496863.09, 3865877.25	0.0088	0.00178247	2.02E-07	7.94E-08	3.21E-05	3.64E-09	1.43E-09
497363.09, 3865877.25	0.01238	0.00250761	2.84E-07	1.12E-07	4.51E-05	5.12E-09	2.01E-09
497863.09, 3865877.25	0.01553	0.00314566	3.57E-07	1.40E-07	5.66E-05	6.42E-09	2.52E-09
498363.09, 3865877.25	0.01454	0.00294513	3.34E-07	1.31E-07	5.30E-05	6.01E-09	2.36E-09
471363.09, 3866377.25	0.00449	0.00090947	1.03E-07	4.05E-08	1.64E-05	1.86E-09	7.30E-10
471863.09, 3866377.25	0.00447	0.00090541	1.03E-07	4.03E-08	1.63E-05	1.85E-09	7.26E-10
472363.09, 3866377.25	0.00467	0.00094593	1.07E-07	4.22E-08	1.70E-05	1.93E-09	7.59E-10
472863.09, 3866377.25	0.00519	0.00105125	1.19E-07	4.68E-08	1.89E-05	2.15E-09	8.43E-10
473363.09, 3866377.25	0.00535	0.00108366	1.23E-07	4.83E-08	1.95E-05	2.21E-09	8.69E-10
473863.09, 3866377.25	0.00556	0.0011262	1.28E-07	5.02E-08	2.03E-05	2.30E-09	9.03E-10
474363.09, 3866377.25	0.00573	0.00116063	1.32E-07	5.17E-08	2.09E-05	2.37E-09	9.31E-10
474863.09, 3866377.25	0.00579	0.00117279	1.33E-07	5.23E-08	2.11E-05	2.39E-09	9.41E-10
475363.09, 3866377.25	0.00591	0.00119709	1.36E-07	5.33E-08	2.16E-05	2.44E-09	9.60E-10
475863.09, 3866377.25	0.00601	0.00121735	1.38E-07	5.42E-08	2.19E-05	2.49E-09	9.77E-10
476363.09, 3866377.25	0.00459	0.00092972	1.05E-07	4.14E-08	1.67E-05	1.90E-09	7.46E-10
476863.09, 3866377.25	0.00264	0.00053474	6.07E-08	2.38E-08	9.63E-06	1.09E-09	4.29E-10
477363.09, 3866377.25	0.0039	0.00078996	8.96E-08	3.52E-08	1.42E-05	1.61E-09	6.34E-10
477863.09, 3866377.25	0.00607	0.0012295	1.39E-07	5.48E-08	2.21E-05	2.51E-09	9.86E-10
478363.09, 3866377.25	0.00692	0.00140167	1.59E-07	6.25E-08	2.52E-05	2.86E-09	1.12E-09
478863.09, 3866377.25	0.0074	0.0014989	1.70E-07	6.68E-08	2.70E-05	3.06E-09	1.20E-09
479363.09, 3866377.25	0.00784	0.00158802	1.80E-07	7.08E-08	2.86E-05	3.24E-09	1.27E-09
479863.09, 3866377.25	0.00822	0.00166499	1.89E-07	7.42E-08	3.00E-05	3.40E-09	1.34E-09
480363.09, 3866377.25	0.00859	0.00173994	1.97E-07	7.75E-08	3.13E-05	3.55E-09	1.40E-09
480863.09, 3866377.25	0.00894	0.00181083	2.05E-07	8.07E-08	3.26E-05	3.70E-09	1.45E-09
481363.09, 3866377.25	0.00921	0.00186552	2.12E-07	8.31E-08	3.36E-05	3.81E-09	1.50E-09
481863.09, 3866377.25	0.00971	0.0019668	2.23E-07	8.76E-08	3.54E-05	4.02E-09	1.58E-09
482363.09, 3866377.25	0.01007	0.00203971	2.31E-07	9.09E-08	3.67E-05	4.17E-09	1.64E-09
482863.09, 3866377.25	0.0105	0.00212681	2.41E-07	9.48E-08	3.83E-05	4.34E-09	1.71E-09
483363.09, 3866377.25	0.011	0.00222809	2.53E-07	9.93E-08	4.01E-05	4.55E-09	1.79E-09
483863.09, 3866377.25	0.01155	0.00233949	2.65E-07	1.04E-07	4.21E-05	4.78E-09	1.88E-09
484363.09, 3866377.25	0.01214	0.002459	2.79E-07	1.10E-07	4.43E-05	5.02E-09	1.97E-09
484863.09, 3866377.25	0.01251	0.00253395	2.87E-07	1.13E-07	4.56E-05	5.17E-09	2.03E-09
485363.09, 3866377.25	0.01332	0.00269801	3.06E-07	1.20E-07	4.86E-05	5.51E-09	2.16E-09
485863.09, 3866377.25	0.0138	0.00279524	3.17E-07	1.25E-07	5.03E-05	5.71E-09	2.24E-09
486363.09, 3866377.25	0.01374	0.00278309	3.16E-07	1.24E-07	5.01E-05	5.68E-09	2.23E-09
486863.09, 3866377.25	0.01379	0.00279321	3.17E-07	1.24E-07	5.03E-05	5.70E-09	2.24E-09
487363.09, 3866377.25	0.01272	0.00257648	2.92E-07	1.15E-07	4.64E-05	5.26E-09	2.07E-09
487863.09, 3866377.25	0.01125	0.00227873	2.58E-07	1.02E-07	4.10E-05	4.65E-09	1.83E-09
488363.09, 3866377.25	0.01235	0.00250154	2.84E-07	1.11E-07	4.50E-05	5.11E-09	2.01E-09
488863.09, 3866377.25	0.01	0.00202554	2.30E-07	9.03E-08	3.65E-05	4.14E-09	1.62E-09
489363.09, 3866377.25	0.00892	0.00180678	2.05E-07	8.05E-08	3.25E-05	3.69E-09	1.45E-09
489863.09, 3866377.25	0.00598	0.00121127	1.37E-07	5.40E-08	2.18E-05	2.47E-09	9.72E-10
490363.09, 3866377.25	0.01475	0.00298767	3.39E-07	1.33E-07	5.38E-05	6.10E-09	2.40E-09
490863.09, 3866377.25	0.01743	0.00353051	4.00E-07	1.57E-07	6.36E-05	7.21E-09	2.83E-09
491363.09, 3866377.25	0.01348	0.00273042	3.10E-07	1.22E-07	4.92E-05	5.58E-09	2.19E-09
491863.09, 3866377.25	0.00491	0.00099454	1.13E-07	4.43E-08	1.79E-05	2.03E-09	7.98E-10
492363.09, 3866377.25	0.00602	0.00121937	1.38E-07	5.43E-08	2.20E-05	2.49E-09	9.78E-10
492863.09, 3866377.25	0.00348	0.00070489	8.00E-08	3.14E-08	1.27E-05	1.44E-09	5.65E-10
493363.09, 3866377.25	0.00427	0.0008649	9.81E-08	3.85E-08	1.56E-05	1.77E-09	6.94E-10
493863.09, 3866377.25	0.00529	0.00107151	1.22E-07	4.77E-08	1.93E-05	2.19E-09	8.60E-10
494363.09, 3866377.25	0.00838	0.0016974	1.93E-07	7.56E-08	3.06E-05	3.47E-09	1.36E-09
494863.09, 3866377.25	0.00766	0.00155156	1.76E-07	6.91E-08	2.79E-05	3.17E-09	1.24E-09
495363.09, 3866377.25	0.00622	0.00125988	1.43E-07	5.61E-08	2.27E-05	2.57E-09	1.01E-09
495863.09, 3866377.25	0.00531	0.00107556	1.22E-07	4.79E-08	1.94E-05	2.20E-09	8.63E-10

496363.09, 3866377.25	0.00517	0.0010472	1.19E-07	4.67E-08	1.89E-05	2.14E-09	8.40E-10
496863.09, 3866377.25	0.00501	0.00101479	1.15E-07	4.52E-08	1.83E-05	2.07E-09	8.14E-10
497363.09, 3866377.25	0.0057	0.00115456	1.31E-07	5.14E-08	2.08E-05	2.36E-09	9.26E-10
497863.09, 3866377.25	0.00782	0.00158397	1.80E-07	7.06E-08	2.85E-05	3.23E-09	1.27E-09
498363.09, 3866377.25	0.0072	0.00145839	1.65E-07	6.50E-08	2.63E-05	2.98E-09	1.17E-09
474494.92, 3848334.16	0.00138	0.00027952	3.17E-08	1.25E-08	5.03E-06	5.71E-10	2.24E-10
475167.27, 3848920.79	0.00144	0.00029168	3.31E-08	1.30E-08	5.25E-06	5.96E-10	2.34E-10
475297.89, 3848997.96	0.00146	0.00029573	3.35E-08	1.32E-08	5.32E-06	6.04E-10	2.37E-10
475439.05, 3849062	0.00141	0.0002856	3.24E-08	1.27E-08	5.14E-06	5.83E-10	2.29E-10
475486.86, 3849061.09	0.0014	0.00028358	3.22E-08	1.26E-08	5.11E-06	5.79E-10	2.27E-10
475538.46, 3849075.56	0.00142	0.00028763	3.26E-08	1.28E-08	5.18E-06	5.87E-10	2.31E-10
475751.79, 3849137.15	0.00156	0.00031598	3.58E-08	1.41E-08	5.69E-06	6.45E-10	2.53E-10
476303.62, 3849223.38	0.00185	0.00037472	4.25E-08	1.67E-08	6.75E-06	7.65E-10	3.01E-10
476304.51, 3849238.92	0.00185	0.00037472	4.25E-08	1.67E-08	6.75E-06	7.65E-10	3.01E-10
476365.04, 3849247.98	0.00189	0.00038283	4.34E-08	1.71E-08	6.89E-06	7.82E-10	3.07E-10
476444.86, 3849267.13	0.00187	0.00037878	4.30E-08	1.69E-08	6.82E-06	7.73E-10	3.04E-10
476550.75, 3849300.66	0.00198	0.00040106	4.55E-08	1.79E-08	7.22E-06	8.19E-10	3.22E-10
476656.71, 3849346.88	0.00203	0.00041118	4.66E-08	1.83E-08	7.40E-06	8.40E-10	3.30E-10
476873.55, 3849454.53	0.00215	0.00043549	4.94E-08	1.94E-08	7.84E-06	8.89E-10	3.49E-10
477700, 3849859.7	0.00254	0.00051449	5.84E-08	2.29E-08	9.26E-06	1.05E-09	4.13E-10
477743.16, 3849856.38	0.00254	0.00051449	5.84E-08	2.29E-08	9.26E-06	1.05E-09	4.13E-10
478477.35, 3850216.33	0.00261	0.00052866	6.00E-08	2.36E-08	9.52E-06	1.08E-09	4.24E-10
478485.8, 3850201.6	0.00261	0.00052866	6.00E-08	2.36E-08	9.52E-06	1.08E-09	4.24E-10
479113.21, 3850501.53	0.0031	0.00062792	7.12E-08	2.80E-08	1.13E-05	1.28E-09	5.04E-10
479108.11, 3850382.28	0.00301	0.00060969	6.92E-08	2.72E-08	1.10E-05	1.25E-09	4.89E-10
479689.85, 3850674.28	0.00292	0.00059146	6.71E-08	2.64E-08	1.06E-05	1.21E-09	4.74E-10
479952.42, 3850774.28	0.00296	0.00059956	6.80E-08	2.67E-08	1.08E-05	1.22E-09	4.81E-10
479911.32, 3850884.85	0.00315	0.00063804	7.24E-08	2.84E-08	1.15E-05	1.30E-09	5.12E-10
480500.92, 3851178.12	0.00359	0.00072717	8.25E-08	3.24E-08	1.31E-05	1.48E-09	5.83E-10
480738.01, 3851289.27	0.0037	0.00074945	8.50E-08	3.34E-08	1.35E-05	1.53E-09	6.01E-10
481055.42, 3851443.58	0.0038	0.0007697	8.73E-08	3.43E-08	1.39E-05	1.57E-09	6.17E-10
481110.22, 3851443.15	0.00374	0.00075755	8.59E-08	3.38E-08	1.36E-05	1.55E-09	6.08E-10
481111.1, 3851417.45	0.00367	0.00074337	8.43E-08	3.31E-08	1.34E-05	1.52E-09	5.96E-10
482248.44, 3852605.09	0.00515	0.00104315	1.18E-07	4.65E-08	1.88E-05	2.13E-09	8.37E-10
482273.34, 3852632.31	0.00516	0.00104518	1.19E-07	4.66E-08	1.88E-05	2.13E-09	8.38E-10
482665.46, 3853038.72	0.00536	0.00108569	1.23E-07	4.84E-08	1.95E-05	2.22E-09	8.71E-10
483077.95, 3853844.31	0.00448	0.00090744	1.03E-07	4.04E-08	1.63E-05	1.85E-09	7.28E-10
483121.38, 3853909.38	0.00434	0.00087908	9.97E-08	3.92E-08	1.58E-05	1.80E-09	7.05E-10
483492.64, 3853911.49	0.00424	0.00085883	9.74E-08	3.83E-08	1.55E-05	1.75E-09	6.89E-10
483498.29, 3854204.73	0.00396	0.00080211	9.10E-08	3.57E-08	1.44E-05	1.64E-09	6.43E-10
484132.44, 3854662.55	0.00273	0.00055297	6.27E-08	2.46E-08	9.96E-06	1.13E-09	4.44E-10
484627.62, 3854876.13	0.00312	0.00063197	7.17E-08	2.82E-08	1.14E-05	1.29E-09	5.07E-10
484756.14, 3854949.04	0.00327	0.00066235	7.51E-08	2.95E-08	1.19E-05	1.35E-09	5.31E-10
486697.51, 3856599.17	0.00512	0.00103707	1.18E-07	4.62E-08	1.87E-05	2.12E-09	8.32E-10
487105.31, 3856962.27	0.00647	0.00131052	1.49E-07	5.84E-08	2.36E-05	2.68E-09	1.05E-09
487157.57, 3856901.7	0.00632	0.00128014	1.45E-07	5.70E-08	2.30E-05	2.61E-09	1.03E-09
487173.5, 3856853.74	0.00617	0.00124976	1.42E-07	5.57E-08	2.25E-05	2.55E-09	1.00E-09
487564.41, 3856860.83	0.00649	0.00131457	1.49E-07	5.86E-08	2.37E-05	2.68E-09	1.05E-09
487563.31, 3856931.58	0.00669	0.00135508	1.54E-07	6.04E-08	2.44E-05	2.77E-09	1.09E-09
487782.7, 3856926.85	0.007	0.00141788	1.61E-07	6.32E-08	2.55E-05	2.90E-09	1.14E-09
487782.39, 3856757.07	0.00672	0.00136116	1.54E-07	6.07E-08	2.45E-05	2.78E-09	1.09E-09
487917.26, 3856752.41	0.00713	0.00144421	1.64E-07	6.44E-08	2.60E-05	2.95E-09	1.16E-09
487919.57, 3856953.35	0.00737	0.00149282	1.69E-07	6.65E-08	2.69E-05	3.05E-09	1.20E-09
487932.76, 3857000.32	0.00742	0.00150295	1.70E-07	6.70E-08	2.71E-05	3.07E-09	1.21E-09
487960.5, 3857044.75	0.00752	0.0015232	1.73E-07	6.79E-08	2.74E-05	3.11E-09	1.22E-09
488016.54, 3857089.54	0.0077	0.00155966	1.77E-07	6.95E-08	2.81E-05	3.18E-09	1.25E-09
488114.39, 3857165.47	0.0081	0.00164068	1.86E-07	7.31E-08	2.95E-05	3.35E-09	1.32E-09
488171.49, 3857234.24	0.00849	0.00171968	1.95E-07	7.66E-08	3.10E-05	3.51E-09	1.38E-09
488193.16, 3857297.8	0.00889	0.0018007	2.04E-07	8.02E-08	3.24E-05	3.68E-09	1.44E-09
488189.27, 3857649.94	0.01069	0.0021653	2.46E-07	9.65E-08	3.90E-05	4.42E-09	1.74E-09
488127.43, 3857732.32	0.01066	0.00215922	2.45E-07	9.62E-08	3.89E-05	4.41E-09	1.73E-09

488149.93, 3857752.94	0.01071	0.00216935	2.46E-07	9.67E-08	3.91E-05	4.43E-09	1.74E-09
488144.76, 3857758.71	0.01069	0.0021653	2.46E-07	9.65E-08	3.90E-05	4.42E-09	1.74E-09
488335.58, 3857932.55	0.01223	0.00247723	2.81E-07	1.10E-07	4.46E-05	5.06E-09	1.99E-09
488372.29, 3857943.79	0.01245	0.00252179	2.86E-07	1.12E-07	4.54E-05	5.15E-09	2.02E-09
488828.64, 3857936.4	0.01355	0.0027446	3.11E-07	1.22E-07	4.94E-05	5.60E-09	2.20E-09
488829.08, 3857959.58	0.01357	0.00274865	3.12E-07	1.22E-07	4.95E-05	5.61E-09	2.21E-09
488351.61, 3857964.55	0.01244	0.00251977	2.86E-07	1.12E-07	4.54E-05	5.15E-09	2.02E-09
488316.87, 3857947.65	0.01221	0.00247318	2.81E-07	1.10E-07	4.45E-05	5.05E-09	1.98E-09
488129.1, 3857775.77	0.01065	0.0021572	2.45E-07	9.61E-08	3.88E-05	4.41E-09	1.73E-09
488062.53, 3857846.13	0.01067	0.00216125	2.45E-07	9.63E-08	3.89E-05	4.41E-09	1.73E-09
488330.41, 3858091.34	0.01234	0.00249951	2.84E-07	1.11E-07	4.50E-05	5.10E-09	2.01E-09
488470.87, 3858174.45	0.01332	0.00269801	3.06E-07	1.20E-07	4.86E-05	5.51E-09	2.16E-09
488568.9, 3858262.31	0.01487	0.00301197	3.42E-07	1.34E-07	5.42E-05	6.15E-09	2.42E-09
488964.27, 3858025.71	0.0139	0.0028155	3.19E-07	1.25E-07	5.07E-05	5.75E-09	2.26E-09
489147.25, 3857956.64	0.01341	0.00271624	3.08E-07	1.21E-07	4.89E-05	5.55E-09	2.18E-09
489343.52, 3857932.45	0.0129	0.00261294	2.96E-07	1.16E-07	4.70E-05	5.34E-09	2.10E-09
489866.19, 3857923.19	0.01262	0.00255623	2.90E-07	1.14E-07	4.60E-05	5.22E-09	2.05E-09
489955.65, 3857902.27	0.01241	0.00251369	2.85E-07	1.12E-07	4.53E-05	5.13E-09	2.02E-09
490079.44, 3857847.9	0.01273	0.00257851	2.92E-07	1.15E-07	4.64E-05	5.27E-09	2.07E-09
490108.49, 3857934.13	0.01281	0.00259471	2.94E-07	1.16E-07	4.67E-05	5.30E-09	2.08E-09
489884.48, 3858014.17	0.01277	0.00258661	2.93E-07	1.15E-07	4.66E-05	5.28E-09	2.08E-09
489326.56, 3858025.86	0.01339	0.00271219	3.08E-07	1.21E-07	4.88E-05	5.54E-09	2.18E-09
489130.38, 3858056.71	0.01346	0.00272637	3.09E-07	1.21E-07	4.91E-05	5.57E-09	2.19E-09
488936.49, 3858143.93	0.01431	0.00289854	3.29E-07	1.29E-07	5.22E-05	5.92E-09	2.33E-09
488638.08, 3858327.45	0.0151	0.00305856	3.47E-07	1.36E-07	5.51E-05	6.25E-09	2.45E-09
488663.79, 3858349.57	0.01509	0.00305653	3.47E-07	1.36E-07	5.50E-05	6.24E-09	2.45E-09
488694.56, 3858349.5	0.01509	0.00305653	3.47E-07	1.36E-07	5.50E-05	6.24E-09	2.45E-09
488694.35, 3858336.75	0.01508	0.00305451	3.46E-07	1.36E-07	5.50E-05	6.24E-09	2.45E-09
488712.81, 3858336.38	0.01507	0.00305248	3.46E-07	1.36E-07	5.50E-05	6.23E-09	2.45E-09
488713.23, 3858367.46	0.01513	0.00306464	3.48E-07	1.37E-07	5.52E-05	6.26E-09	2.46E-09
488704.63, 3858384.05	0.0152	0.00307881	3.49E-07	1.37E-07	5.54E-05	6.29E-09	2.47E-09
488604.15, 3858488.29	0.01554	0.00314768	3.57E-07	1.40E-07	5.67E-05	6.43E-09	2.53E-09
488605.66, 3858550.47	0.01594	0.0032287	3.66E-07	1.44E-07	5.81E-05	6.59E-09	2.59E-09
488692.68, 3858548.71	0.01594	0.0032287	3.66E-07	1.44E-07	5.81E-05	6.59E-09	2.59E-09
488759.93, 3858461.81	0.01535	0.0031092	3.53E-07	1.39E-07	5.60E-05	6.35E-09	2.49E-09
488816.57, 3858541.79	0.01567	0.00317401	3.60E-07	1.41E-07	5.71E-05	6.48E-09	2.55E-09
488944.63, 3858656.77	0.01602	0.00324491	3.68E-07	1.45E-07	5.84E-05	6.63E-09	2.60E-09
489134.91, 3858830.7	0.01671	0.00338467	3.84E-07	1.51E-07	6.09E-05	6.91E-09	2.72E-09
489193.99, 3858886.05	0.01702	0.00344746	3.91E-07	1.54E-07	6.21E-05	7.04E-09	2.77E-09
489295.2, 3858954.34	0.01749	0.00354266	4.02E-07	1.58E-07	6.38E-05	7.23E-09	2.84E-09
489295.64, 3858992.74	0.01792	0.00362976	4.12E-07	1.62E-07	6.53E-05	7.41E-09	2.91E-09
489183.74, 3858911.72	0.01723	0.00349	3.96E-07	1.56E-07	6.28E-05	7.13E-09	2.80E-09
488873.37, 3858625.59	0.01595	0.00323073	3.66E-07	1.44E-07	5.82E-05	6.60E-09	2.59E-09
488842.84, 3858658.69	0.01632	0.00330567	3.75E-07	1.47E-07	5.95E-05	6.75E-09	2.65E-09
488856.39, 3858670.93	0.01627	0.00329555	3.74E-07	1.47E-07	5.93E-05	6.73E-09	2.64E-09
488805.7, 3858724.5	0.01676	0.0033948	3.85E-07	1.51E-07	6.11E-05	6.93E-09	2.72E-09
488805.87, 3858804.16	0.01747	0.00353861	4.01E-07	1.58E-07	6.37E-05	7.23E-09	2.84E-09
488995.78, 3858936.96	0.01821	0.0036885	4.18E-07	1.64E-07	6.64E-05	7.53E-09	2.96E-09
489130.76, 3859017.38	0.01847	0.00374116	4.24E-07	1.67E-07	6.74E-05	7.64E-09	3.00E-09
489130.92, 3859052.24	0.01881	0.00381003	4.32E-07	1.70E-07	6.86E-05	7.78E-09	3.06E-09
489200.33, 3859090.6	0.01919	0.003887	4.41E-07	1.73E-07	7.00E-05	7.94E-09	3.12E-09
489296.07, 3859143.7	0.01979	0.00400854	4.55E-07	1.79E-07	7.22E-05	8.19E-09	3.22E-09
489296.43, 3858954.74	0.01749	0.00354266	4.02E-07	1.58E-07	6.38E-05	7.23E-09	2.84E-09
489410.33, 3859033.19	0.01802	0.00365002	4.14E-07	1.63E-07	6.57E-05	7.45E-09	2.93E-09
489371.37, 3859089.8	0.01886	0.00382016	4.33E-07	1.70E-07	6.88E-05	7.80E-09	3.06E-09
489390.52, 3859102.82	0.01899	0.00384649	4.36E-07	1.71E-07	6.93E-05	7.85E-09	3.09E-09
489382.3, 3859114.53	0.01911	0.0038708	4.39E-07	1.72E-07	6.97E-05	7.90E-09	3.11E-09
489363.04, 3859102.45	0.01899	0.00384649	4.36E-07	1.71E-07	6.93E-05	7.85E-09	3.09E-09
489337.52, 3859140.71	0.01966	0.0039822	4.52E-07	1.77E-07	7.17E-05	8.13E-09	3.19E-09
489375.14, 3859164.55	0.01987	0.00402474	4.57E-07	1.79E-07	7.25E-05	8.22E-09	3.23E-09
489409.3, 3859114.5	0.0191	0.00386877	4.39E-07	1.72E-07	6.97E-05	7.90E-09	3.10E-09

489434.87, 3859131.81	0.01919	0.003887	4.41E-07	1.73E-07	7.00E-05	7.94E-09	3.12E-09
489471.87, 3859075.75	0.0183	0.00370673	4.20E-07	1.65E-07	6.67E-05	7.57E-09	2.97E-09
489602.62, 3859164.69	0.01911	0.0038708	4.39E-07	1.72E-07	6.97E-05	7.90E-09	3.11E-09
489558.29, 3859232.45	0.02018	0.00408753	4.64E-07	1.82E-07	7.36E-05	8.35E-09	3.28E-09
489620.11, 3859273.56	0.02082	0.00421717	4.78E-07	1.88E-07	7.59E-05	8.61E-09	3.38E-09
489666.06, 3859206.42	0.01966	0.0039822	4.52E-07	1.77E-07	7.17E-05	8.13E-09	3.19E-09
489787.9, 3859285.65	0.02061	0.00417463	4.74E-07	1.86E-07	7.52E-05	8.52E-09	3.35E-09
489752.17, 3859343.13	0.02166	0.00438731	4.98E-07	1.95E-07	7.90E-05	8.96E-09	3.52E-09
489814.94, 3859385.33	0.02224	0.00450479	5.11E-07	2.01E-07	8.11E-05	9.20E-09	3.61E-09
489853.42, 3859330.74	0.02124	0.00430224	4.88E-07	1.92E-07	7.75E-05	8.79E-09	3.45E-09
489969.5, 3859401.91	0.02229	0.00451492	5.12E-07	2.01E-07	8.13E-05	9.22E-09	3.62E-09
490166.91, 3859486.96	0.02434	0.00493015	5.59E-07	2.20E-07	8.88E-05	1.01E-08	3.96E-09
490128.86, 3859571.46	0.02664	0.00539603	6.12E-07	2.40E-07	9.71E-05	1.10E-08	4.33E-09
490186.65, 3859593.65	0.02708	0.00548515	6.22E-07	2.44E-07	9.88E-05	1.12E-08	4.40E-09
490223.74, 3859517.48	0.02489	0.00504156	5.72E-07	2.25E-07	9.08E-05	1.03E-08	4.04E-09
490846.34, 3859817.22	0.02732	0.00553376	6.28E-07	2.47E-07	9.96E-05	1.13E-08	4.44E-09
490925.65, 3859844.59	0.0272	0.00550946	6.25E-07	2.45E-07	9.92E-05	1.13E-08	4.42E-09
491159.29, 3859896.28	0.02927	0.00592874	6.72E-07	2.64E-07	1.07E-04	1.21E-08	4.76E-09
491370.69, 3859960.89	0.03653	0.00739928	8.39E-07	3.30E-07	1.33E-04	1.51E-08	5.94E-09
491330.28, 3860063.17	0.04565	0.00924657	1.05E-06	4.12E-07	1.66E-04	1.89E-08	7.42E-09
491636.45, 3860180.75	0.05188	0.01050848	1.19E-06	4.68E-07	1.89E-04	2.15E-08	8.43E-09
491617.94, 3860203.93	0.05394	0.01092574	1.24E-06	4.87E-07	1.97E-04	2.23E-08	8.76E-09
491805.68, 3860271.59	0.06074	0.01230311	1.40E-06	5.48E-07	2.21E-04	2.51E-08	9.87E-09
491654.23, 3860414.02	0.06425	0.01301407	1.48E-06	5.80E-07	2.34E-04	2.66E-08	1.04E-08
491592.62, 3860510.76	0.07174	0.0145312	1.65E-06	6.48E-07	2.62E-04	2.97E-08	1.17E-08
491475.41, 3860368.93	0.06654	0.01347792	1.53E-06	6.01E-07	2.43E-04	2.75E-08	1.08E-08
491445.61, 3860337.28	0.06505	0.01317611	1.49E-06	5.87E-07	2.37E-04	2.69E-08	1.06E-08
491399.05, 3860300.37	0.06179	0.01251579	1.42E-06	5.58E-07	2.25E-04	2.56E-08	1.00E-08
491228.84, 3860235.98	0.05684	0.01151315	1.31E-06	5.13E-07	2.07E-04	2.35E-08	9.24E-09
491228.47, 3860174.57	0.05335	0.01080623	1.23E-06	4.82E-07	1.95E-04	2.21E-08	8.67E-09
491145.77, 3860112.55	0.04764	0.00964965	1.09E-06	4.30E-07	1.74E-04	1.97E-08	7.74E-09
490844.41, 3859966.22	0.03527	0.00714407	8.10E-07	3.18E-07	1.29E-04	1.46E-08	5.73E-09
490845.55, 3859928.15	0.03368	0.00682201	7.74E-07	3.04E-07	1.23E-04	1.39E-08	5.47E-09
490046.91, 3859625.6	0.02745	0.0055601	6.31E-07	2.48E-07	1.00E-04	1.14E-08	4.46E-09
489970.48, 3859589.4	0.02634	0.00533526	6.05E-07	2.38E-07	9.61E-05	1.09E-08	4.28E-09
489865.89, 3859529.06	0.02476	0.00501523	5.69E-07	2.23E-07	9.03E-05	1.02E-08	4.02E-09
489826.89, 3859531.74	0.02468	0.00499902	5.67E-07	2.23E-07	9.00E-05	1.02E-08	4.01E-09
489410.47, 3859303.06	0.02185	0.0044258	5.02E-07	1.97E-07	7.97E-05	9.04E-09	3.55E-09
489407.15, 3859286.09	0.02162	0.00437921	4.97E-07	1.95E-07	7.88E-05	8.94E-09	3.51E-09
488806.07, 3858963.62	0.01937	0.00392346	4.45E-07	1.75E-07	7.06E-05	8.01E-09	3.15E-09
488817.64, 3859546.3	0.01881	0.00381003	4.32E-07	1.70E-07	6.86E-05	7.78E-09	3.06E-09
489187.25, 3859549.52	0.02163	0.00438123	4.97E-07	1.95E-07	7.89E-05	8.95E-09	3.51E-09
489187.66, 3859523.74	0.02193	0.004442	5.04E-07	1.98E-07	8.00E-05	9.07E-09	3.56E-09
489232.59, 3859522.85	0.02213	0.00448251	5.08E-07	2.00E-07	8.07E-05	9.15E-09	3.60E-09
489224.98, 3859759.91	0.0208	0.00421311	4.78E-07	1.88E-07	7.59E-05	8.60E-09	3.38E-09
488401.39, 3859763.34	0.02067	0.00418678	4.75E-07	1.87E-07	7.54E-05	8.55E-09	3.36E-09
488405.51, 3859966.16	0.02227	0.00451087	5.12E-07	2.01E-07	8.12E-05	9.21E-09	3.62E-09
489202.85, 3859956.57	0.02292	0.00464253	5.27E-07	2.07E-07	8.36E-05	9.48E-09	3.72E-09
489191.9, 3860676.74	0.02667	0.0054021	6.13E-07	2.41E-07	9.73E-05	1.10E-08	4.33E-09
488392.82, 3860687.88	0.02082	0.00421717	4.78E-07	1.88E-07	7.59E-05	8.61E-09	3.38E-09
488392.82, 3860760.27	0.02031	0.00411386	4.67E-07	1.83E-07	7.41E-05	8.40E-09	3.30E-09
487549.05, 3860777.45	0.01913	0.00387485	4.40E-07	1.73E-07	6.98E-05	7.91E-09	3.11E-09
487554.62, 3859571.83	0.01805	0.00365609	4.15E-07	1.63E-07	6.58E-05	7.47E-09	2.93E-09
485949.46, 3859558.54	0.01522	0.00308287	3.50E-07	1.37E-07	5.55E-05	6.30E-09	2.47E-09
485947.55, 3857943.61	0.01401	0.00283778	3.22E-07	1.26E-07	5.11E-05	5.79E-09	2.28E-09
484738.38, 3857940.21	0.0103	0.0020863	2.37E-07	9.30E-08	3.76E-05	4.26E-09	1.67E-09
484737.06, 3857535.68	0.01229	0.00248938	2.82E-07	1.11E-07	4.48E-05	5.08E-09	2.00E-09
483730.2, 3857530.13	0.00901	0.00182501	2.07E-07	8.13E-08	3.29E-05	3.73E-09	1.46E-09
483727.27, 3857130.01	0.0106	0.00214707	2.44E-07	9.57E-08	3.87E-05	4.38E-09	1.72E-09
483124.42, 3857123.45	0.00928	0.0018797	2.13E-07	8.38E-08	3.38E-05	3.84E-09	1.51E-09
483111.13, 3855921.03	0.00681	0.00137939	1.56E-07	6.15E-08	2.48E-05	2.82E-09	1.11E-09

482701.73, 3855918.24	0.00647	0.00131052	1.49E-07	5.84E-08	2.36E-05	2.68E-09	1.05E-09
482668.02, 3853521.78	0.0051	0.00103302	1.17E-07	4.60E-08	1.86E-05	2.11E-09	8.29E-10
482579.91, 3853219.19	0.00531	0.00107556	1.22E-07	4.79E-08	1.94E-05	2.20E-09	8.63E-10
482434.06, 3852961.94	0.00526	0.00106543	1.21E-07	4.75E-08	1.92E-05	2.18E-09	8.55E-10
482332.11, 3852832.85	0.00526	0.00106543	1.21E-07	4.75E-08	1.92E-05	2.18E-09	8.55E-10
481334.99, 3851818.96	0.00438	0.00088718	1.01E-07	3.95E-08	1.60E-05	1.81E-09	7.12E-10
481127.62, 3851646.36	0.00424	0.00085883	9.74E-08	3.83E-08	1.55E-05	1.75E-09	6.89E-10
481025.04, 3851591.73	0.00419	0.0008487	9.63E-08	3.78E-08	1.53E-05	1.73E-09	6.81E-10
480513.6, 3851335.76	0.00392	0.00079401	9.01E-08	3.54E-08	1.43E-05	1.62E-09	6.37E-10
480523.56, 3851317.66	0.0039	0.00078996	8.96E-08	3.52E-08	1.42E-05	1.61E-09	6.34E-10
476921.56, 3849569.11	0.00226	0.00045777	5.19E-08	2.04E-08	8.24E-06	9.35E-10	3.67E-10
476521.19, 3849373.96	0.00202	0.00040916	4.64E-08	1.82E-08	7.37E-06	8.36E-10	3.28E-10
476391.45, 3849333.38	0.00198	0.00040106	4.55E-08	1.79E-08	7.22E-06	8.19E-10	3.22E-10
476219.41, 3849304.29	0.00191	0.00038688	4.39E-08	1.72E-08	6.97E-06	7.90E-10	3.10E-10
475679.11, 3849218.47	0.00161	0.00032611	3.70E-08	1.45E-08	5.87E-06	6.66E-10	2.62E-10
475677.71, 3849233.88	0.00163	0.00033016	3.74E-08	1.47E-08	5.94E-06	6.74E-10	2.65E-10
475492.74, 3849204.66	0.00126	0.00025522	2.89E-08	1.14E-08	4.59E-06	5.21E-10	2.05E-10
475497.64, 3849158.75	0.00136	0.00027547	3.12E-08	1.23E-08	4.96E-06	5.63E-10	2.21E-10
475391.35, 3849141.94	0.00145	0.0002937	3.33E-08	1.31E-08	5.29E-06	6.00E-10	2.36E-10
475277, 3849095.47	0.00148	0.00029978	3.40E-08	1.34E-08	5.40E-06	6.12E-10	2.40E-10
475183.93, 3849025.66	0.00148	0.00029978	3.40E-08	1.34E-08	5.40E-06	6.12E-10	2.40E-10
474453.23, 3848378.77	0.0014	0.00028358	3.22E-08	1.26E-08	5.11E-06	5.79E-10	2.27E-10
474569.63, 3848399.34	0.00139	0.00028155	3.19E-08	1.25E-08	5.07E-06	5.75E-10	2.26E-10
474644.33, 3848464.52	0.00141	0.0002856	3.24E-08	1.27E-08	5.14E-06	5.83E-10	2.29E-10
474719.04, 3848529.7	0.00142	0.00028763	3.26E-08	1.28E-08	5.18E-06	5.87E-10	2.31E-10
474793.74, 3848594.88	0.0014	0.00028358	3.22E-08	1.26E-08	5.11E-06	5.79E-10	2.27E-10
474868.45, 3848660.07	0.00137	0.0002775	3.15E-08	1.24E-08	5.00E-06	5.67E-10	2.23E-10
474943.15, 3848725.25	0.00136	0.00027547	3.12E-08	1.23E-08	4.96E-06	5.63E-10	2.21E-10
475017.86, 3848790.43	0.00138	0.00027952	3.17E-08	1.25E-08	5.03E-06	5.71E-10	2.24E-10
475092.56, 3848855.61	0.00141	0.0002856	3.24E-08	1.27E-08	5.14E-06	5.83E-10	2.29E-10
475232.58, 3848959.38	0.00145	0.0002937	3.33E-08	1.31E-08	5.29E-06	6.00E-10	2.36E-10
475368.47, 3849029.98	0.00145	0.0002937	3.33E-08	1.31E-08	5.29E-06	6.00E-10	2.36E-10
475609.57, 3849096.09	0.00146	0.00029573	3.35E-08	1.32E-08	5.32E-06	6.04E-10	2.37E-10
475680.68, 3849116.62	0.00153	0.00030991	3.52E-08	1.38E-08	5.58E-06	6.33E-10	2.49E-10
475843.76, 3849151.52	0.00163	0.00033016	3.74E-08	1.47E-08	5.94E-06	6.74E-10	2.65E-10
475935.73, 3849165.89	0.00173	0.00035042	3.97E-08	1.56E-08	6.31E-06	7.16E-10	2.81E-10
476027.71, 3849180.26	0.00181	0.00036662	4.16E-08	1.63E-08	6.60E-06	7.49E-10	2.94E-10
476119.68, 3849194.64	0.00179	0.00036257	4.11E-08	1.62E-08	6.53E-06	7.40E-10	2.91E-10
476211.65, 3849209.01	0.00181	0.00036662	4.16E-08	1.63E-08	6.60E-06	7.49E-10	2.94E-10
476497.8, 3849283.9	0.00194	0.00039295	4.46E-08	1.75E-08	7.07E-06	8.02E-10	3.15E-10
476603.73, 3849323.77	0.00201	0.00040713	4.62E-08	1.81E-08	7.33E-06	8.31E-10	3.27E-10
476728.99, 3849382.76	0.00208	0.00042131	4.78E-08	1.88E-08	7.59E-06	8.60E-10	3.38E-10
476801.27, 3849418.65	0.00212	0.00042941	4.87E-08	1.91E-08	7.73E-06	8.77E-10	3.44E-10
476956.2, 3849495.05	0.00221	0.00044764	5.08E-08	1.99E-08	8.06E-06	9.14E-10	3.59E-10
477038.84, 3849535.56	0.00222	0.00044967	5.10E-08	2.00E-08	8.10E-06	9.18E-10	3.61E-10
477121.48, 3849576.08	0.00227	0.0004598	5.22E-08	2.05E-08	8.28E-06	9.39E-10	3.69E-10
477204.13, 3849616.6	0.00222	0.00044967	5.10E-08	2.00E-08	8.10E-06	9.18E-10	3.61E-10
477286.78, 3849657.12	0.00214	0.00043346	4.92E-08	1.93E-08	7.80E-06	8.85E-10	3.48E-10
477369.42, 3849697.63	0.00229	0.00046385	5.26E-08	2.07E-08	8.35E-06	9.47E-10	3.72E-10
477452.07, 3849738.15	0.00236	0.00047803	5.42E-08	2.13E-08	8.61E-06	9.76E-10	3.83E-10
477534.71, 3849778.67	0.00247	0.00050031	5.67E-08	2.23E-08	9.01E-06	1.02E-09	4.01E-10
477617.35, 3849819.18	0.00249	0.00050436	5.72E-08	2.25E-08	9.08E-06	1.03E-09	4.05E-10
477824.74, 3849896.37	0.00255	0.00051651	5.86E-08	2.30E-08	9.30E-06	1.05E-09	4.14E-10
477906.31, 3849936.37	0.00249	0.00050436	5.72E-08	2.25E-08	9.08E-06	1.03E-09	4.05E-10
477987.89, 3849976.36	0.00257	0.00052056	5.90E-08	2.32E-08	9.37E-06	1.06E-09	4.18E-10
478069.47, 3850016.36	0.0025	0.00050638	5.74E-08	2.26E-08	9.12E-06	1.03E-09	4.06E-10
478151.04, 3850056.35	0.00244	0.00049423	5.61E-08	2.20E-08	8.90E-06	1.01E-09	3.96E-10
478232.62, 3850096.35	0.00247	0.00050031	5.67E-08	2.23E-08	9.01E-06	1.02E-09	4.01E-10
478314.2, 3850136.34	0.00252	0.00051044	5.79E-08	2.27E-08	9.19E-06	1.04E-09	4.09E-10
478395.77, 3850176.34	0.00256	0.00051854	5.88E-08	2.31E-08	9.34E-06	1.06E-09	4.16E-10
478575.43, 3850244.45	0.00267	0.00054082	6.13E-08	2.41E-08	9.74E-06	1.10E-09	4.34E-10

478665.06, 3850287.29	0.00273	0.00055297	6.27E-08	2.46E-08	9.96E-06	1.13E-09	4.44E-10
478754.69, 3850330.14	0.0028	0.00056715	6.43E-08	2.53E-08	1.02E-05	1.16E-09	4.55E-10
478844.32, 3850372.99	0.00289	0.00058538	6.64E-08	2.61E-08	1.05E-05	1.20E-09	4.70E-10
478933.95, 3850415.84	0.003	0.00060766	6.89E-08	2.71E-08	1.09E-05	1.24E-09	4.87E-10
479023.58, 3850458.68	0.003	0.00060766	6.89E-08	2.71E-08	1.09E-05	1.24E-09	4.87E-10
479110.66, 3850441.9	0.00308	0.00062387	7.08E-08	2.78E-08	1.12E-05	1.27E-09	5.00E-10
479191.22, 3850423.99	0.00308	0.00062387	7.08E-08	2.78E-08	1.12E-05	1.27E-09	5.00E-10
479274.32, 3850465.71	0.00309	0.00062589	7.10E-08	2.79E-08	1.13E-05	1.28E-09	5.02E-10
479357.43, 3850507.42	0.00303	0.00061374	6.96E-08	2.73E-08	1.10E-05	1.25E-09	4.92E-10
479440.53, 3850549.14	0.00296	0.00059956	6.80E-08	2.67E-08	1.08E-05	1.22E-09	4.81E-10
479523.64, 3850590.85	0.00292	0.00059146	6.71E-08	2.64E-08	1.06E-05	1.21E-09	4.74E-10
479606.74, 3850632.57	0.00292	0.00059146	6.71E-08	2.64E-08	1.06E-05	1.21E-09	4.74E-10
479777.37, 3850707.61	0.0029	0.00058741	6.66E-08	2.62E-08	1.06E-05	1.20E-09	4.71E-10
479864.9, 3850740.95	0.00293	0.00059348	6.73E-08	2.64E-08	1.07E-05	1.21E-09	4.76E-10
479931.87, 3850829.56	0.00304	0.00061576	6.98E-08	2.74E-08	1.11E-05	1.26E-09	4.94E-10
479995.55, 3850926.75	0.00326	0.00066032	7.49E-08	2.94E-08	1.19E-05	1.35E-09	5.30E-10
480079.78, 3850968.64	0.00336	0.00068058	7.72E-08	3.03E-08	1.23E-05	1.39E-09	5.46E-10
480164.01, 3851010.54	0.00346	0.00070084	7.95E-08	3.12E-08	1.26E-05	1.43E-09	5.62E-10
480248.23, 3851052.43	0.00356	0.00072109	8.18E-08	3.21E-08	1.30E-05	1.47E-09	5.78E-10
480332.46, 3851094.33	0.00361	0.00073122	8.29E-08	3.26E-08	1.32E-05	1.49E-09	5.87E-10
480416.69, 3851136.22	0.00359	0.00072717	8.25E-08	3.24E-08	1.31E-05	1.48E-09	5.83E-10
480579.95, 3851215.17	0.00362	0.00073324	8.32E-08	3.27E-08	1.32E-05	1.50E-09	5.88E-10
480658.98, 3851252.22	0.00365	0.00073932	8.39E-08	3.29E-08	1.33E-05	1.51E-09	5.93E-10
480817.36, 3851327.85	0.00372	0.0007535	8.55E-08	3.36E-08	1.36E-05	1.54E-09	6.04E-10
480896.71, 3851366.42	0.00373	0.00075552	8.57E-08	3.37E-08	1.36E-05	1.54E-09	6.06E-10
480976.07, 3851405	0.00376	0.0007616	8.64E-08	3.39E-08	1.37E-05	1.56E-09	6.11E-10
481178, 3851487.31	0.00379	0.00076768	8.71E-08	3.42E-08	1.38E-05	1.57E-09	6.16E-10
481244.9, 3851557.17	0.00389	0.00078793	8.94E-08	3.51E-08	1.42E-05	1.61E-09	6.32E-10
481311.81, 3851627.03	0.00396	0.00080211	9.10E-08	3.57E-08	1.44E-05	1.64E-09	6.43E-10
481378.71, 3851696.89	0.00402	0.00081427	9.24E-08	3.63E-08	1.47E-05	1.66E-09	6.53E-10
481445.61, 3851766.76	0.00408	0.00082642	9.37E-08	3.68E-08	1.49E-05	1.69E-09	6.63E-10
481512.51, 3851836.62	0.00412	0.00083452	9.47E-08	3.72E-08	1.50E-05	1.70E-09	6.69E-10
481579.42, 3851906.48	0.00415	0.0008406	9.53E-08	3.75E-08	1.51E-05	1.72E-09	6.74E-10
481646.32, 3851976.34	0.0042	0.00085073	9.65E-08	3.79E-08	1.53E-05	1.74E-09	6.82E-10
481713.22, 3852046.2	0.00415	0.0008406	9.53E-08	3.75E-08	1.51E-05	1.72E-09	6.74E-10
481780.12, 3852116.06	0.00424	0.00085883	9.74E-08	3.83E-08	1.55E-05	1.75E-09	6.89E-10
481847.03, 3852185.92	0.00438	0.00088718	1.01E-07	3.95E-08	1.60E-05	1.81E-09	7.12E-10
481913.93, 3852255.78	0.00455	0.00092162	1.05E-07	4.11E-08	1.66E-05	1.88E-09	7.39E-10
481980.83, 3852325.65	0.00476	0.00096416	1.09E-07	4.30E-08	1.74E-05	1.97E-09	7.73E-10
482047.73, 3852395.51	0.00487	0.00098644	1.12E-07	4.40E-08	1.78E-05	2.01E-09	7.91E-10
482114.64, 3852465.37	0.00505	0.0010229	1.16E-07	4.56E-08	1.84E-05	2.09E-09	8.21E-10
482181.54, 3852535.23	0.00507	0.00102695	1.16E-07	4.58E-08	1.85E-05	2.10E-09	8.24E-10
482338.69, 3852700.04	0.00524	0.00106138	1.20E-07	4.73E-08	1.91E-05	2.17E-09	8.51E-10
482404.05, 3852767.78	0.00529	0.00107151	1.22E-07	4.77E-08	1.93E-05	2.19E-09	8.60E-10
482469.4, 3852835.52	0.00534	0.00108164	1.23E-07	4.82E-08	1.95E-05	2.21E-09	8.68E-10
482534.75, 3852903.25	0.00532	0.00107759	1.22E-07	4.80E-08	1.94E-05	2.20E-09	8.64E-10
482600.11, 3852970.99	0.00536	0.00108569	1.23E-07	4.84E-08	1.95E-05	2.22E-09	8.71E-10
482706.71, 3853119.28	0.00529	0.00107151	1.22E-07	4.77E-08	1.93E-05	2.19E-09	8.60E-10
482747.96, 3853199.84	0.00532	0.00107759	1.22E-07	4.80E-08	1.94E-05	2.20E-09	8.64E-10
482789.21, 3853280.4	0.00536	0.00108569	1.23E-07	4.84E-08	1.95E-05	2.22E-09	8.71E-10
482830.46, 3853360.96	0.00534	0.00108164	1.23E-07	4.82E-08	1.95E-05	2.21E-09	8.68E-10
482871.71, 3853441.52	0.0053	0.00107353	1.22E-07	4.78E-08	1.93E-05	2.19E-09	8.61E-10
482912.95, 3853522.07	0.00514	0.00104113	1.18E-07	4.64E-08	1.87E-05	2.13E-09	8.35E-10
482954.2, 3853602.63	0.005	0.00101277	1.15E-07	4.51E-08	1.82E-05	2.07E-09	8.12E-10
482995.45, 3853683.19	0.00484	0.00098036	1.11E-07	4.37E-08	1.76E-05	2.00E-09	7.86E-10
483036.7, 3853763.75	0.00468	0.00094795	1.08E-07	4.22E-08	1.71E-05	1.94E-09	7.60E-10
483214.2, 3853909.91	0.00408	0.00082642	9.37E-08	3.68E-08	1.49E-05	1.69E-09	6.63E-10
483307.01, 3853910.44	0.00417	0.00084465	9.58E-08	3.76E-08	1.52E-05	1.72E-09	6.78E-10
483399.83, 3853910.96	0.00419	0.0008487	9.63E-08	3.78E-08	1.53E-05	1.73E-09	6.81E-10
483494.52, 3854009.24	0.00419	0.0008487	9.63E-08	3.78E-08	1.53E-05	1.73E-09	6.81E-10
483496.41, 3854106.98	0.00415	0.0008406	9.53E-08	3.75E-08	1.51E-05	1.72E-09	6.74E-10

483577.56, 3854261.96	0.00377	0.00076363	8.66E-08	3.40E-08	1.37E-05	1.56E-09	6.13E-10
483656.83, 3854319.19	0.00358	0.00072514	8.22E-08	3.23E-08	1.31E-05	1.48E-09	5.82E-10
483736.1, 3854376.41	0.0034	0.00068868	7.81E-08	3.07E-08	1.24E-05	1.41E-09	5.52E-10
483815.36, 3854433.64	0.00325	0.0006583	7.47E-08	2.93E-08	1.19E-05	1.34E-09	5.28E-10
483894.63, 3854490.87	0.0031	0.00062792	7.12E-08	2.80E-08	1.13E-05	1.28E-09	5.04E-10
483973.9, 3854548.09	0.00297	0.00060158	6.82E-08	2.68E-08	1.08E-05	1.23E-09	4.83E-10
484053.17, 3854605.32	0.00291	0.00058943	6.69E-08	2.63E-08	1.06E-05	1.20E-09	4.73E-10
484214.97, 3854698.15	0.00276	0.00055905	6.34E-08	2.49E-08	1.01E-05	1.14E-09	4.48E-10
484297.5, 3854733.74	0.00283	0.00057323	6.50E-08	2.55E-08	1.03E-05	1.17E-09	4.60E-10
484380.03, 3854769.34	0.00284	0.00057525	6.52E-08	2.56E-08	1.04E-05	1.17E-09	4.61E-10
484462.56, 3854804.94	0.00302	0.00061171	6.94E-08	2.73E-08	1.10E-05	1.25E-09	4.91E-10
484545.09, 3854840.53	0.00302	0.00061171	6.94E-08	2.73E-08	1.10E-05	1.25E-09	4.91E-10
484691.88, 3854912.58	0.0032	0.00064817	7.35E-08	2.89E-08	1.17E-05	1.32E-09	5.20E-10
484830.81, 3855012.51	0.00325	0.0006583	7.47E-08	2.93E-08	1.19E-05	1.34E-09	5.28E-10
484905.48, 3855075.97	0.00355	0.00071907	8.16E-08	3.20E-08	1.29E-05	1.47E-09	5.77E-10
484980.14, 3855139.44	0.00368	0.0007454	8.45E-08	3.32E-08	1.34E-05	1.52E-09	5.98E-10
485054.81, 3855202.91	0.00374	0.00075755	8.59E-08	3.38E-08	1.36E-05	1.55E-09	6.08E-10
485129.48, 3855266.37	0.00369	0.00074742	8.48E-08	3.33E-08	1.35E-05	1.53E-09	6.00E-10
485204.15, 3855329.84	0.00384	0.00077781	8.82E-08	3.47E-08	1.40E-05	1.59E-09	6.24E-10
485278.82, 3855393.31	0.00389	0.00078793	8.94E-08	3.51E-08	1.42E-05	1.61E-09	6.32E-10
485353.48, 3855456.77	0.00399	0.00080819	9.17E-08	3.60E-08	1.46E-05	1.65E-09	6.48E-10
485428.15, 3855520.24	0.00403	0.00081629	9.26E-08	3.64E-08	1.47E-05	1.67E-09	6.55E-10
485502.82, 3855583.71	0.00409	0.00082844	9.40E-08	3.69E-08	1.49E-05	1.69E-09	6.65E-10
485577.49, 3855647.17	0.00426	0.00086288	9.79E-08	3.84E-08	1.55E-05	1.76E-09	6.92E-10
485652.16, 3855710.64	0.00444	0.00089934	1.02E-07	4.01E-08	1.62E-05	1.84E-09	7.21E-10
485726.83, 3855774.1	0.00451	0.00091352	1.04E-07	4.07E-08	1.64E-05	1.87E-09	7.33E-10
485801.49, 3855837.57	0.00453	0.00091757	1.04E-07	4.09E-08	1.65E-05	1.87E-09	7.36E-10
485876.16, 3855901.04	0.00461	0.00093377	1.06E-07	4.16E-08	1.68E-05	1.91E-09	7.49E-10
485950.83, 3855964.5	0.00464	0.00093985	1.07E-07	4.19E-08	1.69E-05	1.92E-09	7.54E-10
486025.5, 3856027.97	0.0046	0.00093175	1.06E-07	4.15E-08	1.68E-05	1.90E-09	7.47E-10
486100.17, 3856091.44	0.00486	0.00098441	1.12E-07	4.39E-08	1.77E-05	2.01E-09	7.90E-10
486174.83, 3856154.9	0.00479	0.00097023	1.10E-07	4.32E-08	1.75E-05	1.98E-09	7.78E-10
486249.5, 3856218.37	0.00456	0.00092364	1.05E-07	4.12E-08	1.66E-05	1.89E-09	7.41E-10
486324.17, 3856281.84	0.00442	0.00089529	1.02E-07	3.99E-08	1.61E-05	1.83E-09	7.18E-10
486398.84, 3856345.3	0.00455	0.00092162	1.05E-07	4.11E-08	1.66E-05	1.88E-09	7.39E-10
486473.51, 3856408.77	0.00461	0.00093377	1.06E-07	4.16E-08	1.68E-05	1.91E-09	7.49E-10
486548.17, 3856472.24	0.00476	0.00096416	1.09E-07	4.30E-08	1.74E-05	1.97E-09	7.73E-10
486622.84, 3856535.7	0.00493	0.00099859	1.13E-07	4.45E-08	1.80E-05	2.04E-09	8.01E-10
486765.48, 3856659.69	0.00536	0.00108569	1.23E-07	4.84E-08	1.95E-05	2.22E-09	8.71E-10
486833.44, 3856720.2	0.00555	0.00112417	1.28E-07	5.01E-08	2.02E-05	2.30E-09	9.02E-10
486901.41, 3856780.72	0.00579	0.00117279	1.33E-07	5.23E-08	2.11E-05	2.39E-09	9.41E-10
486969.38, 3856841.24	0.00601	0.00121735	1.38E-07	5.42E-08	2.19E-05	2.49E-09	9.77E-10
487037.34, 3856901.75	0.00623	0.00126191	1.43E-07	5.62E-08	2.27E-05	2.58E-09	1.01E-09
487271.23, 3856855.51	0.0062	0.00125583	1.42E-07	5.60E-08	2.26E-05	2.56E-09	1.01E-09
487368.95, 3856857.29	0.00626	0.00126799	1.44E-07	5.65E-08	2.28E-05	2.59E-09	1.02E-09
487466.68, 3856859.06	0.00638	0.00129229	1.47E-07	5.76E-08	2.33E-05	2.64E-09	1.04E-09
487636.44, 3856930	0.00675	0.00136724	1.55E-07	6.09E-08	2.46E-05	2.79E-09	1.10E-09
487709.57, 3856928.43	0.00688	0.00139357	1.58E-07	6.21E-08	2.51E-05	2.85E-09	1.12E-09
487782.55, 3856841.96	0.00683	0.00138344	1.57E-07	6.16E-08	2.49E-05	2.83E-09	1.11E-09
487849.83, 3856754.74	0.00689	0.00139559	1.58E-07	6.22E-08	2.51E-05	2.85E-09	1.12E-09
487918.03, 3856819.39	0.0072	0.00145839	1.65E-07	6.50E-08	2.63E-05	2.98E-09	1.17E-09
487918.8, 3856886.37	0.0073	0.00147864	1.68E-07	6.59E-08	2.66E-05	3.02E-09	1.19E-09
488065.46, 3857127.5	0.00792	0.00160422	1.82E-07	7.15E-08	2.89E-05	3.28E-09	1.29E-09
488192.19, 3857385.83	0.00927	0.00187767	2.13E-07	8.37E-08	3.38E-05	3.83E-09	1.51E-09
488191.21, 3857473.87	0.00977	0.00197895	2.24E-07	8.82E-08	3.56E-05	4.04E-09	1.59E-09
488190.24, 3857561.9	0.01026	0.0020782	2.36E-07	9.26E-08	3.74E-05	4.24E-09	1.67E-09
488158.35, 3857691.13	0.01073	0.0021734	2.47E-07	9.68E-08	3.91E-05	4.44E-09	1.74E-09
488208.37, 3857816.66	0.01131	0.00229088	2.60E-07	1.02E-07	4.12E-05	4.68E-09	1.84E-09
488271.97, 3857874.6	0.01172	0.00237393	2.69E-07	1.06E-07	4.27E-05	4.85E-09	1.90E-09
488463.56, 3857942.31	0.01277	0.00258661	2.93E-07	1.15E-07	4.66E-05	5.28E-09	2.08E-09
488554.83, 3857940.83	0.01304	0.0026413	3.00E-07	1.18E-07	4.76E-05	5.39E-09	2.12E-09

488646.1, 3857939.36	0.01326	0.00268586	3.05E-07	1.20E-07	4.84E-05	5.48E-09	2.15E-09
488737.37, 3857937.88	0.01341	0.00271624	3.08E-07	1.21E-07	4.89E-05	5.55E-09	2.18E-09
488733.59, 3857960.57	0.01343	0.00272029	3.09E-07	1.21E-07	4.90E-05	5.55E-09	2.18E-09
488638.09, 3857961.57	0.01329	0.00269194	3.05E-07	1.20E-07	4.85E-05	5.50E-09	2.16E-09
488542.6, 3857962.56	0.0131	0.00265345	3.01E-07	1.18E-07	4.78E-05	5.42E-09	2.13E-09
488447.1, 3857963.56	0.0128	0.00259269	2.94E-07	1.16E-07	4.67E-05	5.29E-09	2.08E-09
488254.28, 3857890.36	0.01173	0.00237595	2.69E-07	1.06E-07	4.28E-05	4.85E-09	1.91E-09
488191.69, 3857833.06	0.01127	0.00228278	2.59E-07	1.02E-07	4.11E-05	4.66E-09	1.83E-09
488129.5, 3857907.43	0.01137	0.00230303	2.61E-07	1.03E-07	4.15E-05	4.70E-09	1.85E-09
488196.47, 3857968.73	0.01178	0.00238608	2.71E-07	1.06E-07	4.30E-05	4.87E-09	1.91E-09
488263.44, 3858030.04	0.01211	0.00245292	2.78E-07	1.09E-07	4.42E-05	5.01E-09	1.97E-09
488400.64, 3858132.9	0.01282	0.00259674	2.95E-07	1.16E-07	4.68E-05	5.30E-09	2.08E-09
488519.89, 3858218.38	0.01434	0.00290462	3.29E-07	1.29E-07	5.23E-05	5.93E-09	2.33E-09
488647.97, 3858214.99	0.01474	0.00298564	3.39E-07	1.33E-07	5.38E-05	6.10E-09	2.40E-09
488727.05, 3858167.67	0.01465	0.00296741	3.37E-07	1.32E-07	5.34E-05	6.06E-09	2.38E-09
488806.12, 3858120.35	0.01441	0.0029188	3.31E-07	1.30E-07	5.25E-05	5.96E-09	2.34E-09
488885.2, 3858073.03	0.01416	0.00286816	3.25E-07	1.28E-07	5.16E-05	5.86E-09	2.30E-09
489055.76, 3857991.17	0.01366	0.00276688	3.14E-07	1.23E-07	4.98E-05	5.65E-09	2.22E-09
489245.39, 3857944.54	0.01296	0.00262509	2.98E-07	1.17E-07	4.73E-05	5.36E-09	2.11E-09
489430.63, 3857930.91	0.01273	0.00257851	2.92E-07	1.15E-07	4.64E-05	5.27E-09	2.07E-09
489517.74, 3857929.36	0.01264	0.00256028	2.90E-07	1.14E-07	4.61E-05	5.23E-09	2.05E-09
489604.85, 3857927.82	0.0125	0.00253192	2.87E-07	1.13E-07	4.56E-05	5.17E-09	2.03E-09
489691.97, 3857926.28	0.01254	0.00254002	2.88E-07	1.13E-07	4.57E-05	5.19E-09	2.04E-09
489779.08, 3857924.73	0.01257	0.0025461	2.89E-07	1.13E-07	4.58E-05	5.20E-09	2.04E-09
490017.55, 3857875.08	0.01235	0.00250154	2.84E-07	1.11E-07	4.50E-05	5.11E-09	2.01E-09
490033.82, 3857960.81	0.01283	0.00259876	2.95E-07	1.16E-07	4.68E-05	5.31E-09	2.08E-09
489959.15, 3857987.49	0.01272	0.00257648	2.92E-07	1.15E-07	4.64E-05	5.26E-09	2.07E-09
489791.49, 3858016.12	0.01267	0.00256635	2.91E-07	1.14E-07	4.62E-05	5.24E-09	2.06E-09
489698.51, 3858018.07	0.01273	0.00257851	2.92E-07	1.15E-07	4.64E-05	5.27E-09	2.07E-09
489605.52, 3858020.01	0.01285	0.00260281	2.95E-07	1.16E-07	4.69E-05	5.32E-09	2.09E-09
489512.53, 3858021.96	0.01303	0.00263927	2.99E-07	1.18E-07	4.75E-05	5.39E-09	2.12E-09
489419.55, 3858023.91	0.01331	0.00269599	3.06E-07	1.20E-07	4.85E-05	5.51E-09	2.16E-09
489228.47, 3858041.29	0.01318	0.00266966	3.03E-07	1.19E-07	4.81E-05	5.45E-09	2.14E-09
489065.75, 3858085.78	0.01384	0.00280334	3.18E-07	1.25E-07	5.05E-05	5.72E-09	2.25E-09
489001.12, 3858114.86	0.01403	0.00284183	3.22E-07	1.27E-07	5.12E-05	5.80E-09	2.28E-09
488861.89, 3858189.81	0.0143	0.00289652	3.29E-07	1.29E-07	5.21E-05	5.91E-09	2.32E-09
488787.29, 3858235.69	0.01481	0.00299982	3.40E-07	1.34E-07	5.40E-05	6.13E-09	2.41E-09
488712.68, 3858281.57	0.01465	0.00296741	3.37E-07	1.32E-07	5.34E-05	6.06E-09	2.38E-09
488654.39, 3858436.17	0.01532	0.00310312	3.52E-07	1.38E-07	5.59E-05	6.34E-09	2.49E-09
488726.3, 3858505.26	0.0156	0.00315984	3.58E-07	1.41E-07	5.69E-05	6.45E-09	2.53E-09
488880.6, 3858599.28	0.01586	0.0032125	3.64E-07	1.43E-07	5.78E-05	6.56E-09	2.58E-09
489008.06, 3858714.75	0.01626	0.00329352	3.74E-07	1.47E-07	5.93E-05	6.73E-09	2.64E-09
489071.48, 3858772.72	0.01641	0.0033239	3.77E-07	1.48E-07	5.98E-05	6.79E-09	2.67E-09
489244.59, 3858920.19	0.01718	0.00347987	3.95E-07	1.55E-07	6.26E-05	7.11E-09	2.79E-09
489239.69, 3858952.23	0.01752	0.00354874	4.03E-07	1.58E-07	6.39E-05	7.25E-09	2.85E-09
489121.67, 3858854.49	0.01695	0.00343328	3.89E-07	1.53E-07	6.18E-05	7.01E-09	2.75E-09
489059.59, 3858797.27	0.01665	0.00337252	3.83E-07	1.50E-07	6.07E-05	6.89E-09	2.71E-09
488997.52, 3858740.04	0.01629	0.0032996	3.74E-07	1.47E-07	5.94E-05	6.74E-09	2.65E-09
488935.44, 3858682.82	0.01615	0.00327124	3.71E-07	1.46E-07	5.89E-05	6.68E-09	2.62E-09
488869.17, 3858848.43	0.0177	0.0035852	4.07E-07	1.60E-07	6.45E-05	7.32E-09	2.88E-09
488932.48, 3858892.69	0.01807	0.00366014	4.15E-07	1.63E-07	6.59E-05	7.47E-09	2.94E-09
489063.27, 3858977.17	0.01837	0.00372091	4.22E-07	1.66E-07	6.70E-05	7.60E-09	2.99E-09
489248.2, 3859117.15	0.01936	0.00392144	4.45E-07	1.75E-07	7.06E-05	8.01E-09	3.15E-09
489296.25, 3859049.22	0.01857	0.00376142	4.27E-07	1.68E-07	6.77E-05	7.68E-09	3.02E-09
489353.38, 3858993.96	0.01773	0.00359128	4.07E-07	1.60E-07	6.47E-05	7.33E-09	2.88E-09
489537.24, 3859120.22	0.01857	0.00376142	4.27E-07	1.68E-07	6.77E-05	7.68E-09	3.02E-09
489726.98, 3859246.04	0.02012	0.00407538	4.62E-07	1.82E-07	7.34E-05	8.32E-09	3.27E-09
489911.46, 3859366.33	0.02109	0.00427186	4.85E-07	1.90E-07	7.69E-05	8.72E-09	3.43E-09
490035.3, 3859430.26	0.02326	0.0047114	5.34E-07	2.10E-07	8.48E-05	9.62E-09	3.78E-09
490101.11, 3859458.61	0.02376	0.00481267	5.46E-07	2.14E-07	8.66E-05	9.83E-09	3.86E-09
490312.68, 3859560.3	0.02576	0.00521778	5.92E-07	2.33E-07	9.39E-05	1.07E-08	4.19E-09

490401.63, 3859603.12	0.02632	0.00533121	6.05E-07	2.38E-07	9.60E-05	1.09E-08	4.28E-09
490490.57, 3859645.94	0.02672	0.00541223	6.14E-07	2.41E-07	9.74E-05	1.11E-08	4.34E-09
490579.51, 3859688.76	0.02674	0.00541628	6.14E-07	2.41E-07	9.75E-05	1.11E-08	4.35E-09
490668.45, 3859731.58	0.02596	0.00525829	5.96E-07	2.34E-07	9.47E-05	1.07E-08	4.22E-09
490757.4, 3859774.4	0.02728	0.00552566	6.27E-07	2.46E-07	9.95E-05	1.13E-08	4.43E-09
491003.53, 3859861.82	0.02755	0.00558035	6.33E-07	2.49E-07	1.00E-04	1.14E-08	4.48E-09
491081.41, 3859879.05	0.02862	0.00579708	6.58E-07	2.58E-07	1.04E-04	1.18E-08	4.65E-09
491229.76, 3859917.82	0.03149	0.00637841	7.23E-07	2.84E-07	1.15E-04	1.30E-08	5.12E-09
491300.22, 3859939.35	0.0338	0.00684631	7.77E-07	3.05E-07	1.23E-04	1.40E-08	5.49E-09
491350.48, 3860012.03	0.04134	0.00837357	9.50E-07	3.73E-07	1.51E-04	1.71E-08	6.72E-09
491406.82, 3860092.56	0.04891	0.0099069	1.12E-06	4.41E-07	1.78E-04	2.02E-08	7.95E-09
491483.36, 3860121.96	0.04955	0.01003653	1.14E-06	4.47E-07	1.81E-04	2.05E-08	8.05E-09
491559.91, 3860151.35	0.05194	0.01052063	1.19E-06	4.69E-07	1.89E-04	2.15E-08	8.44E-09
491711.81, 3860237.76	0.04065	0.0082338	9.34E-07	3.67E-07	1.48E-04	1.68E-08	6.61E-09
491755.2, 3860319.07	0.06928	0.01403291	1.59E-06	6.25E-07	2.53E-04	2.87E-08	1.13E-08
491704.71, 3860366.54	0.06905	0.01398633	1.59E-06	6.23E-07	2.52E-04	2.86E-08	1.12E-08
491623.42, 3860462.39	0.0706	0.01430028	1.62E-06	6.37E-07	2.57E-04	2.92E-08	1.15E-08
491534.02, 3860439.84	0.04399	0.00891033	1.01E-06	3.97E-07	1.60E-04	1.82E-08	7.15E-09
491313.95, 3860268.17	0.06057	0.01226867	1.39E-06	5.47E-07	2.21E-04	2.51E-08	9.84E-09
491187.12, 3860143.56	0.04999	0.01012565	1.15E-06	4.51E-07	1.82E-04	2.07E-08	8.12E-09
491070.43, 3860075.97	0.04334	0.00877867	9.96E-07	3.91E-07	1.58E-04	1.79E-08	7.04E-09
490995.09, 3860039.38	0.04093	0.00829052	9.40E-07	3.69E-07	1.49E-04	1.69E-08	6.65E-09
490919.75, 3860002.8	0.03956	0.00801302	9.09E-07	3.57E-07	1.44E-04	1.64E-08	6.43E-09
490756.81, 3859894.53	0.03269	0.00662148	7.51E-07	2.95E-07	1.19E-04	1.35E-08	5.31E-09
490668.07, 3859860.92	0.03291	0.00666604	7.56E-07	2.97E-07	1.20E-04	1.36E-08	5.35E-09
490579.34, 3859827.3	0.03192	0.00646551	7.33E-07	2.88E-07	1.16E-04	1.32E-08	5.19E-09
490490.6, 3859793.68	0.03214	0.00651007	7.38E-07	2.90E-07	1.17E-04	1.33E-08	5.22E-09
490401.86, 3859760.07	0.03201	0.00648374	7.35E-07	2.89E-07	1.17E-04	1.32E-08	5.20E-09
490313.12, 3859726.45	0.03114	0.00630752	7.15E-07	2.81E-07	1.14E-04	1.29E-08	5.06E-09
490224.39, 3859692.83	0.02999	0.00607458	6.89E-07	2.71E-07	1.09E-04	1.24E-08	4.87E-09
490135.65, 3859659.22	0.02846	0.00576468	6.54E-07	2.57E-07	1.04E-04	1.18E-08	4.62E-09
489918.18, 3859559.23	0.02536	0.00513676	5.83E-07	2.29E-07	9.25E-05	1.05E-08	4.12E-09
489743.61, 3859486	0.02402	0.00486534	5.52E-07	2.17E-07	8.76E-05	9.94E-09	3.90E-09
489660.32, 3859440.27	0.02348	0.00475596	5.39E-07	2.12E-07	8.56E-05	9.71E-09	3.82E-09
489577.04, 3859394.53	0.02287	0.0046324	5.25E-07	2.06E-07	8.34E-05	9.46E-09	3.72E-09
489493.75, 3859348.8	0.02245	0.00454733	5.16E-07	2.03E-07	8.19E-05	9.29E-09	3.65E-09
489321.28, 3859240.02	0.02126	0.00430629	4.88E-07	1.92E-07	7.75E-05	8.79E-09	3.45E-09
489235.41, 3859193.96	0.02047	0.00414627	4.70E-07	1.85E-07	7.46E-05	8.47E-09	3.33E-09
489149.54, 3859147.89	0.02059	0.00417058	4.73E-07	1.86E-07	7.51E-05	8.52E-09	3.35E-09
489063.68, 3859101.82	0.02007	0.00406525	4.61E-07	1.81E-07	7.32E-05	8.30E-09	3.26E-09
488977.81, 3859055.75	0.01951	0.00395182	4.48E-07	1.76E-07	7.11E-05	8.07E-09	3.17E-09
488891.94, 3859009.69	0.01966	0.0039822	4.52E-07	1.77E-07	7.17E-05	8.13E-09	3.19E-09
488808, 3859060.73	0.02046	0.00414425	4.70E-07	1.85E-07	7.46E-05	8.46E-09	3.32E-09
488809.93, 3859157.85	0.02134	0.00432249	4.90E-07	1.93E-07	7.78E-05	8.83E-09	3.47E-09
488811.85, 3859254.96	0.02169	0.00439339	4.98E-07	1.96E-07	7.91E-05	8.97E-09	3.52E-09
488813.78, 3859352.07	0.02121	0.00429616	4.87E-07	1.91E-07	7.73E-05	8.77E-09	3.45E-09
488815.71, 3859449.19	0.01986	0.00402271	4.56E-07	1.79E-07	7.24E-05	8.21E-09	3.23E-09
488910.04, 3859547.1	0.01959	0.00396802	4.50E-07	1.77E-07	7.14E-05	8.10E-09	3.18E-09
489002.45, 3859547.91	0.02023	0.00409766	4.65E-07	1.83E-07	7.38E-05	8.37E-09	3.29E-09
489094.85, 3859548.71	0.02082	0.00421717	4.78E-07	1.88E-07	7.59E-05	8.61E-09	3.38E-09
489230.05, 3859601.87	0.02148	0.00435085	4.93E-07	1.94E-07	7.83E-05	8.88E-09	3.49E-09
489227.52, 3859680.89	0.02072	0.00419691	4.76E-07	1.87E-07	7.56E-05	8.57E-09	3.37E-09
489133.47, 3859760.29	0.02053	0.00415843	4.72E-07	1.85E-07	7.49E-05	8.49E-09	3.34E-09
489041.96, 3859760.67	0.0204	0.00413209	4.69E-07	1.84E-07	7.44E-05	8.44E-09	3.31E-09
488950.45, 3859761.05	0.02042	0.00413614	4.69E-07	1.84E-07	7.45E-05	8.45E-09	3.32E-09
488858.94, 3859761.43	0.0203	0.00411184	4.66E-07	1.83E-07	7.40E-05	8.40E-09	3.30E-09
488767.43, 3859761.82	0.02055	0.00416248	4.72E-07	1.85E-07	7.49E-05	8.50E-09	3.34E-09
488675.92, 3859762.2	0.02045	0.00414222	4.70E-07	1.85E-07	7.46E-05	8.46E-09	3.32E-09
488584.41, 3859762.58	0.02059	0.00417058	4.73E-07	1.86E-07	7.51E-05	8.52E-09	3.35E-09
488492.9, 3859762.96	0.02056	0.0041645	4.72E-07	1.86E-07	7.50E-05	8.50E-09	3.34E-09
488402.76, 3859830.95	0.021	0.00425363	4.82E-07	1.90E-07	7.66E-05	8.69E-09	3.41E-09

488404.14, 3859898.55	0.02182	0.00441972	5.01E-07	1.97E-07	7.96E-05	9.03E-09	3.55E-09
488505.18, 3859964.96	0.02247	0.00455138	5.16E-07	2.03E-07	8.19E-05	9.29E-09	3.65E-09
488604.84, 3859963.76	0.02262	0.00458176	5.20E-07	2.04E-07	8.25E-05	9.36E-09	3.68E-09
488704.51, 3859962.56	0.02267	0.00459189	5.21E-07	2.05E-07	8.27E-05	9.38E-09	3.68E-09
488804.18, 3859961.37	0.02265	0.00458784	5.20E-07	2.04E-07	8.26E-05	9.37E-09	3.68E-09
488903.85, 3859960.17	0.02262	0.00458176	5.20E-07	2.04E-07	8.25E-05	9.36E-09	3.68E-09
489003.52, 3859958.97	0.02278	0.00461417	5.23E-07	2.06E-07	8.31E-05	9.42E-09	3.70E-09
489103.18, 3859957.77	0.02295	0.00464861	5.27E-07	2.07E-07	8.37E-05	9.49E-09	3.73E-09
489201.48, 3860046.59	0.02401	0.00486331	5.52E-07	2.17E-07	8.76E-05	9.93E-09	3.90E-09
489200.11, 3860136.61	0.02519	0.00510233	5.79E-07	2.27E-07	9.19E-05	1.04E-08	4.09E-09
489198.74, 3860226.63	0.02602	0.00527044	5.98E-07	2.35E-07	9.49E-05	1.08E-08	4.23E-09
489197.38, 3860316.66	0.0267	0.00540818	6.13E-07	2.41E-07	9.74E-05	1.10E-08	4.34E-09
489196.01, 3860406.68	0.02683	0.00543451	6.16E-07	2.42E-07	9.78E-05	1.11E-08	4.36E-09
489194.64, 3860496.7	0.02744	0.00555807	6.30E-07	2.48E-07	1.00E-04	1.13E-08	4.46E-09
489193.27, 3860586.72	0.02712	0.00549325	6.23E-07	2.45E-07	9.89E-05	1.12E-08	4.41E-09
489092.02, 3860678.13	0.02616	0.0052988	6.01E-07	2.36E-07	9.54E-05	1.08E-08	4.25E-09
488992.13, 3860679.53	0.0256	0.00518537	5.88E-07	2.31E-07	9.34E-05	1.06E-08	4.16E-09
488892.24, 3860680.92	0.02486	0.00503548	5.71E-07	2.24E-07	9.07E-05	1.03E-08	4.04E-09
488792.36, 3860682.31	0.0243	0.00492205	5.58E-07	2.19E-07	8.86E-05	1.01E-08	3.95E-09
488692.48, 3860683.7	0.02355	0.00477014	5.41E-07	2.13E-07	8.59E-05	9.74E-09	3.83E-09
488592.59, 3860685.09	0.02333	0.00472558	5.36E-07	2.11E-07	8.51E-05	9.65E-09	3.79E-09
488492.71, 3860686.49	0.02226	0.00450884	5.11E-07	2.01E-07	8.12E-05	9.21E-09	3.62E-09
488299.07, 3860762.18	0.01964	0.00397815	4.51E-07	1.77E-07	7.16E-05	8.12E-09	3.19E-09
488205.32, 3860764.09	0.01996	0.00404297	4.59E-07	1.80E-07	7.28E-05	8.26E-09	3.24E-09
488111.56, 3860766	0.02043	0.00413817	4.69E-07	1.84E-07	7.45E-05	8.45E-09	3.32E-09
488017.81, 3860767.91	0.02075	0.00420299	4.77E-07	1.87E-07	7.57E-05	8.58E-09	3.37E-09
487924.06, 3860769.81	0.02076	0.00420501	4.77E-07	1.87E-07	7.57E-05	8.59E-09	3.37E-09
487830.31, 3860771.72	0.02061	0.00417463	4.74E-07	1.86E-07	7.52E-05	8.52E-09	3.35E-09
487736.55, 3860773.63	0.02032	0.00411589	4.67E-07	1.83E-07	7.41E-05	8.40E-09	3.30E-09
487642.8, 3860775.54	0.01985	0.00402069	4.56E-07	1.79E-07	7.24E-05	8.21E-09	3.23E-09
487549.48, 3860684.71	0.01888	0.00382421	4.34E-07	1.70E-07	6.88E-05	7.81E-09	3.07E-09
487549.91, 3860591.97	0.01886	0.00382016	4.33E-07	1.70E-07	6.88E-05	7.80E-09	3.06E-09
487550.34, 3860499.23	0.01889	0.00382624	4.34E-07	1.70E-07	6.89E-05	7.81E-09	3.07E-09
487550.76, 3860406.49	0.0192	0.00388903	4.41E-07	1.73E-07	7.00E-05	7.94E-09	3.12E-09
487551.19, 3860313.75	0.01981	0.00401259	4.55E-07	1.79E-07	7.22E-05	8.19E-09	3.22E-09
487551.62, 3860221.01	0.02019	0.00408956	4.64E-07	1.82E-07	7.36E-05	8.35E-09	3.28E-09
487552.05, 3860128.27	0.02009	0.0040693	4.62E-07	1.81E-07	7.33E-05	8.31E-09	3.26E-09
487552.48, 3860035.53	0.02001	0.0040531	4.60E-07	1.81E-07	7.30E-05	8.28E-09	3.25E-09
487552.91, 3859942.79	0.02024	0.00409968	4.65E-07	1.83E-07	7.38E-05	8.37E-09	3.29E-09
487553.33, 3859850.05	0.01973	0.00399638	4.53E-07	1.78E-07	7.19E-05	8.16E-09	3.21E-09
487553.76, 3859757.31	0.01932	0.00391334	4.44E-07	1.74E-07	7.05E-05	7.99E-09	3.14E-09
487554.19, 3859664.57	0.01884	0.00381611	4.33E-07	1.70E-07	6.87E-05	7.79E-09	3.06E-09
487460.2, 3859571.05	0.01826	0.00369863	4.20E-07	1.65E-07	6.66E-05	7.55E-09	2.97E-09
487365.78, 3859570.27	0.01803	0.00365204	4.14E-07	1.63E-07	6.57E-05	7.46E-09	2.93E-09
487271.36, 3859569.48	0.01785	0.00361558	4.10E-07	1.61E-07	6.51E-05	7.38E-09	2.90E-09
487176.94, 3859568.7	0.01767	0.00357912	4.06E-07	1.59E-07	6.44E-05	7.31E-09	2.87E-09
487082.51, 3859567.92	0.01744	0.00353253	4.01E-07	1.57E-07	6.36E-05	7.21E-09	2.83E-09
486988.09, 3859567.14	0.01724	0.00349202	3.96E-07	1.56E-07	6.29E-05	7.13E-09	2.80E-09
486893.67, 3859566.36	0.01704	0.00345151	3.91E-07	1.54E-07	6.21E-05	7.05E-09	2.77E-09
486799.25, 3859565.58	0.01686	0.00341505	3.87E-07	1.52E-07	6.15E-05	6.97E-09	2.74E-09
486704.83, 3859564.79	0.01667	0.00337657	3.83E-07	1.50E-07	6.08E-05	6.90E-09	2.71E-09
486610.41, 3859564.01	0.01647	0.00333606	3.78E-07	1.49E-07	6.01E-05	6.81E-09	2.68E-09
486515.99, 3859563.23	0.01637	0.0033158	3.76E-07	1.48E-07	5.97E-05	6.77E-09	2.66E-09
486421.57, 3859562.45	0.0162	0.00328137	3.72E-07	1.46E-07	5.91E-05	6.70E-09	2.63E-09
486327.14, 3859561.67	0.01595	0.00323073	3.66E-07	1.44E-07	5.82E-05	6.60E-09	2.59E-09
486232.72, 3859560.89	0.01581	0.00320237	3.63E-07	1.43E-07	5.77E-05	6.54E-09	2.57E-09
486138.3, 3859560.1	0.01561	0.00316186	3.59E-07	1.41E-07	5.69E-05	6.46E-09	2.54E-09
486043.88, 3859559.32	0.01542	0.00312338	3.54E-07	1.39E-07	5.62E-05	6.38E-09	2.51E-09
485949.35, 3859463.54	0.015	0.0030383	3.45E-07	1.35E-07	5.47E-05	6.20E-09	2.44E-09
485949.24, 3859368.55	0.01466	0.00296944	3.37E-07	1.32E-07	5.35E-05	6.06E-09	2.38E-09
485949.12, 3859273.55	0.01424	0.00288436	3.27E-07	1.29E-07	5.19E-05	5.89E-09	2.31E-09

485949.01, 3859178.56	0.01386	0.00280739	3.18E-07	1.25E-07	5.05E-05	5.73E-09	2.25E-09
485948.9, 3859083.56	0.01344	0.00272232	3.09E-07	1.21E-07	4.90E-05	5.56E-09	2.18E-09
485948.79, 3858988.56	0.01312	0.0026575	3.01E-07	1.18E-07	4.78E-05	5.43E-09	2.13E-09
485948.67, 3858893.57	0.01275	0.00258256	2.93E-07	1.15E-07	4.65E-05	5.27E-09	2.07E-09
485948.56, 3858798.57	0.01212	0.00245495	2.78E-07	1.09E-07	4.42E-05	5.01E-09	1.97E-09
485948.45, 3858703.58	0.01179	0.00238811	2.71E-07	1.06E-07	4.30E-05	4.88E-09	1.92E-09
485948.34, 3858608.58	0.01156	0.00234152	2.66E-07	1.04E-07	4.22E-05	4.78E-09	1.88E-09
485948.22, 3858513.59	0.01182	0.00239418	2.72E-07	1.07E-07	4.31E-05	4.89E-09	1.92E-09
485948.11, 3858418.59	0.01257	0.0025461	2.89E-07	1.13E-07	4.58E-05	5.20E-09	2.04E-09
485948, 3858323.59	0.01336	0.00270612	3.07E-07	1.21E-07	4.87E-05	5.53E-09	2.17E-09
485947.89, 3858228.6	0.01422	0.00288031	3.27E-07	1.28E-07	5.19E-05	5.88E-09	2.31E-09
485947.77, 3858133.6	0.01478	0.00299374	3.40E-07	1.33E-07	5.39E-05	6.11E-09	2.40E-09
485947.66, 3858038.61	0.01464	0.00296538	3.36E-07	1.32E-07	5.34E-05	6.06E-09	2.38E-09
485854.54, 3857943.35	0.01449	0.002935	3.33E-07	1.31E-07	5.28E-05	5.99E-09	2.35E-09
485761.52, 3857943.09	0.01441	0.0029188	3.31E-07	1.30E-07	5.25E-05	5.96E-09	2.34E-09
485668.51, 3857942.83	0.01418	0.00287221	3.26E-07	1.28E-07	5.17E-05	5.87E-09	2.30E-09
485575.5, 3857942.56	0.01402	0.0028398	3.22E-07	1.27E-07	5.11E-05	5.80E-09	2.28E-09
485482.48, 3857942.3	0.01371	0.00277701	3.15E-07	1.24E-07	5.00E-05	5.67E-09	2.23E-09
485389.47, 3857942.04	0.01336	0.00270612	3.07E-07	1.21E-07	4.87E-05	5.53E-09	2.17E-09
485296.46, 3857941.78	0.01298	0.00262915	2.98E-07	1.17E-07	4.73E-05	5.37E-09	2.11E-09
485203.45, 3857941.52	0.01247	0.00252584	2.86E-07	1.13E-07	4.55E-05	5.16E-09	2.03E-09
485110.43, 3857941.26	0.01206	0.0024428	2.77E-07	1.09E-07	4.40E-05	4.99E-09	1.96E-09
485017.42, 3857940.99	0.01168	0.00236583	2.68E-07	1.05E-07	4.26E-05	4.83E-09	1.90E-09
484924.41, 3857940.73	0.01128	0.0022848	2.59E-07	1.02E-07	4.11E-05	4.67E-09	1.83E-09
484831.39, 3857940.47	0.01083	0.00219366	2.49E-07	9.77E-08	3.95E-05	4.48E-09	1.76E-09
484738.12, 3857859.3	0.01107	0.00224227	2.54E-07	9.99E-08	4.04E-05	4.58E-09	1.80E-09
484737.85, 3857778.4	0.0116	0.00234962	2.67E-07	1.05E-07	4.23E-05	4.80E-09	1.88E-09
484737.59, 3857697.49	0.01201	0.00243267	2.76E-07	1.08E-07	4.38E-05	4.97E-09	1.95E-09
484737.32, 3857616.59	0.01228	0.00248736	2.82E-07	1.11E-07	4.48E-05	5.08E-09	2.00E-09
484645.53, 3857535.18	0.01212	0.00245495	2.78E-07	1.09E-07	4.42E-05	5.01E-09	1.97E-09
484553.99, 3857534.67	0.01197	0.00242457	2.75E-07	1.08E-07	4.37E-05	4.95E-09	1.95E-09
484462.46, 3857534.17	0.01172	0.00237393	2.69E-07	1.06E-07	4.27E-05	4.85E-09	1.90E-09
484370.93, 3857533.66	0.01146	0.00232126	2.63E-07	1.03E-07	4.18E-05	4.74E-09	1.86E-09
484279.4, 3857533.16	0.01114	0.00225645	2.56E-07	1.01E-07	4.06E-05	4.61E-09	1.81E-09
484187.86, 3857532.65	0.01083	0.00219366	2.49E-07	9.77E-08	3.95E-05	4.48E-09	1.76E-09
484096.33, 3857532.15	0.01045	0.00211669	2.40E-07	9.43E-08	3.81E-05	4.32E-09	1.70E-09
484004.8, 3857531.64	0.01012	0.00204984	2.33E-07	9.13E-08	3.69E-05	4.19E-09	1.64E-09
483913.27, 3857531.14	0.00985	0.00199515	2.26E-07	8.89E-08	3.59E-05	4.07E-09	1.60E-09
483821.73, 3857530.63	0.00951	0.00192628	2.18E-07	8.58E-08	3.47E-05	3.93E-09	1.55E-09
483729.61, 3857450.11	0.00969	0.00196274	2.23E-07	8.75E-08	3.53E-05	4.01E-09	1.57E-09
483729.03, 3857370.08	0.01005	0.00203566	2.31E-07	9.07E-08	3.66E-05	4.16E-09	1.63E-09
483728.44, 3857290.06	0.01038	0.00210251	2.38E-07	9.37E-08	3.79E-05	4.29E-09	1.69E-09
483727.86, 3857210.03	0.01057	0.00214099	2.43E-07	9.54E-08	3.85E-05	4.37E-09	1.72E-09
483641.15, 3857129.07	0.01043	0.00211263	2.40E-07	9.41E-08	3.80E-05	4.31E-09	1.69E-09
483555.03, 3857128.14	0.0103	0.0020863	2.37E-07	9.30E-08	3.76E-05	4.26E-09	1.67E-09
483468.91, 3857127.2	0.01026	0.0020782	2.36E-07	9.26E-08	3.74E-05	4.24E-09	1.67E-09
483382.78, 3857126.26	0.01001	0.00202756	2.30E-07	9.03E-08	3.65E-05	4.14E-09	1.63E-09
483296.66, 3857125.32	0.00982	0.00198908	2.26E-07	8.86E-08	3.58E-05	4.06E-09	1.60E-09
483210.54, 3857124.39	0.00965	0.00195464	2.22E-07	8.71E-08	3.52E-05	3.99E-09	1.57E-09
483123.4, 3857030.96	0.00974	0.00197287	2.24E-07	8.79E-08	3.55E-05	4.03E-09	1.58E-09
483122.38, 3856938.46	0.00979	0.001983	2.25E-07	8.84E-08	3.57E-05	4.05E-09	1.59E-09
483121.35, 3856845.97	0.00963	0.00195059	2.21E-07	8.69E-08	3.51E-05	3.98E-09	1.56E-09
483120.33, 3856753.47	0.00945	0.00191413	2.17E-07	8.53E-08	3.45E-05	3.91E-09	1.54E-09
483119.31, 3856660.98	0.00913	0.00184931	2.10E-07	8.24E-08	3.33E-05	3.78E-09	1.48E-09
483118.29, 3856568.49	0.00868	0.00175817	1.99E-07	7.83E-08	3.17E-05	3.59E-09	1.41E-09
483117.26, 3856475.99	0.00818	0.00165689	1.88E-07	7.38E-08	2.98E-05	3.38E-09	1.33E-09
483116.24, 3856383.5	0.00776	0.00157182	1.78E-07	7.00E-08	2.83E-05	3.21E-09	1.26E-09
483115.22, 3856291.01	0.0074	0.0014989	1.70E-07	6.68E-08	2.70E-05	3.06E-09	1.20E-09
483114.2, 3856198.51	0.00719	0.00145636	1.65E-07	6.49E-08	2.62E-05	2.97E-09	1.17E-09
483113.17, 3856106.02	0.0069	0.00139762	1.59E-07	6.23E-08	2.52E-05	2.85E-09	1.12E-09
483112.15, 3856013.52	0.00682	0.00138142	1.57E-07	6.16E-08	2.49E-05	2.82E-09	1.11E-09

483029.25, 3855920.47	0.00664	0.00134496	1.53E-07	5.99E-08	2.42E-05	2.75E-09	1.08E-09
482947.37, 3855919.91	0.00659	0.00133483	1.51E-07	5.95E-08	2.40E-05	2.73E-09	1.07E-09
482865.49, 3855919.36	0.00658	0.0013328	1.51E-07	5.94E-08	2.40E-05	2.72E-09	1.07E-09
482783.61, 3855918.8	0.0065	0.0013166	1.49E-07	5.87E-08	2.37E-05	2.69E-09	1.06E-09
482700.33, 3855818.39	0.00638	0.00129229	1.47E-07	5.76E-08	2.33E-05	2.64E-09	1.04E-09
482698.92, 3855718.54	0.00627	0.00127001	1.44E-07	5.66E-08	2.29E-05	2.59E-09	1.02E-09
482697.52, 3855618.68	0.00629	0.00127406	1.45E-07	5.68E-08	2.29E-05	2.60E-09	1.02E-09
482696.11, 3855518.83	0.00621	0.00125786	1.43E-07	5.60E-08	2.26E-05	2.57E-09	1.01E-09
482694.71, 3855418.98	0.00624	0.00126393	1.43E-07	5.63E-08	2.28E-05	2.58E-09	1.01E-09
482693.3, 3855319.13	0.00624	0.00126393	1.43E-07	5.63E-08	2.28E-05	2.58E-09	1.01E-09
482691.9, 3855219.27	0.00614	0.00124368	1.41E-07	5.54E-08	2.24E-05	2.54E-09	9.98E-10
482690.49, 3855119.42	0.00613	0.00124165	1.41E-07	5.53E-08	2.24E-05	2.54E-09	9.96E-10
482689.09, 3855019.57	0.00592	0.00119912	1.36E-07	5.34E-08	2.16E-05	2.45E-09	9.62E-10
482687.68, 3854919.71	0.00588	0.00119102	1.35E-07	5.31E-08	2.14E-05	2.43E-09	9.55E-10
482686.28, 3854819.86	0.00575	0.00116468	1.32E-07	5.19E-08	2.10E-05	2.38E-09	9.34E-10
482684.88, 3854720.01	0.00579	0.00117279	1.33E-07	5.23E-08	2.11E-05	2.39E-09	9.41E-10
482683.47, 3854620.16	0.00562	0.00113835	1.29E-07	5.07E-08	2.05E-05	2.32E-09	9.13E-10
482682.07, 3854520.31	0.00556	0.0011262	1.28E-07	5.02E-08	2.03E-05	2.30E-09	9.03E-10
482680.66, 3854420.45	0.00546	0.00110594	1.25E-07	4.93E-08	1.99E-05	2.26E-09	8.87E-10
482679.26, 3854320.6	0.00536	0.00108569	1.23E-07	4.84E-08	1.95E-05	2.22E-09	8.71E-10
482677.85, 3854220.75	0.005	0.00101277	1.15E-07	4.51E-08	1.82E-05	2.07E-09	8.12E-10
482676.45, 3854120.9	0.00505	0.0010229	1.16E-07	4.56E-08	1.84E-05	2.09E-09	8.21E-10
482675.04, 3854021.04	0.00506	0.00102492	1.16E-07	4.57E-08	1.85E-05	2.09E-09	8.22E-10
482673.64, 3853921.19	0.00502	0.00101682	1.15E-07	4.53E-08	1.83E-05	2.08E-09	8.16E-10
482672.23, 3853821.34	0.005	0.00101277	1.15E-07	4.51E-08	1.82E-05	2.07E-09	8.12E-10
482670.83, 3853721.48	0.00493	0.00099859	1.13E-07	4.45E-08	1.80E-05	2.04E-09	8.01E-10
482669.42, 3853621.63	0.00504	0.00102087	1.16E-07	4.55E-08	1.84E-05	2.08E-09	8.19E-10
482645.99, 3853446.13	0.00516	0.00104518	1.19E-07	4.66E-08	1.88E-05	2.13E-09	8.38E-10
482623.96, 3853370.48	0.00522	0.00105733	1.20E-07	4.71E-08	1.90E-05	2.16E-09	8.48E-10
482601.94, 3853294.84	0.00527	0.00106746	1.21E-07	4.76E-08	1.92E-05	2.18E-09	8.56E-10
482531.29, 3853133.44	0.00529	0.00107151	1.22E-07	4.77E-08	1.93E-05	2.19E-09	8.60E-10
482482.68, 3853047.69	0.00522	0.00105733	1.20E-07	4.71E-08	1.90E-05	2.16E-09	8.48E-10
482383.08, 3852897.4	0.00527	0.00106746	1.21E-07	4.76E-08	1.92E-05	2.18E-09	8.56E-10
482265.64, 3852765.26	0.00523	0.00105936	1.20E-07	4.72E-08	1.91E-05	2.16E-09	8.50E-10
482199.16, 3852697.66	0.00518	0.00104923	1.19E-07	4.68E-08	1.89E-05	2.14E-09	8.42E-10
482132.69, 3852630.07	0.00511	0.00103505	1.17E-07	4.61E-08	1.86E-05	2.11E-09	8.30E-10
482066.21, 3852562.48	0.00505	0.0010229	1.16E-07	4.56E-08	1.84E-05	2.09E-09	8.21E-10
481999.74, 3852494.89	0.00501	0.00101479	1.15E-07	4.52E-08	1.83E-05	2.07E-09	8.14E-10
481933.26, 3852427.29	0.00498	0.00100872	1.14E-07	4.49E-08	1.82E-05	2.06E-09	8.09E-10
481866.79, 3852359.7	0.00488	0.00098846	1.12E-07	4.40E-08	1.78E-05	2.02E-09	7.93E-10
481800.31, 3852292.11	0.00477	0.00096618	1.10E-07	4.31E-08	1.74E-05	1.97E-09	7.75E-10
481733.84, 3852224.52	0.00468	0.00094795	1.08E-07	4.22E-08	1.71E-05	1.94E-09	7.60E-10
481667.36, 3852156.92	0.00454	0.00091959	1.04E-07	4.10E-08	1.66E-05	1.88E-09	7.38E-10
481600.89, 3852089.33	0.00452	0.00091554	1.04E-07	4.08E-08	1.65E-05	1.87E-09	7.34E-10
481534.41, 3852021.74	0.00453	0.00091757	1.04E-07	4.09E-08	1.65E-05	1.87E-09	7.36E-10
481467.94, 3851954.15	0.0045	0.00091149	1.03E-07	4.06E-08	1.64E-05	1.86E-09	7.31E-10
481401.46, 3851886.55	0.00441	0.00089326	1.01E-07	3.98E-08	1.61E-05	1.82E-09	7.17E-10
481265.87, 3851761.43	0.00435	0.00088111	9.99E-08	3.93E-08	1.59E-05	1.80E-09	7.07E-10
481196.74, 3851703.89	0.00429	0.00086895	9.86E-08	3.87E-08	1.56E-05	1.77E-09	6.97E-10
481076.33, 3851619.04	0.00422	0.00085478	9.70E-08	3.81E-08	1.54E-05	1.75E-09	6.86E-10
480939.8, 3851549.07	0.00412	0.00083452	9.47E-08	3.72E-08	1.50E-05	1.70E-09	6.69E-10
480854.56, 3851506.41	0.00407	0.00082439	9.35E-08	3.67E-08	1.48E-05	1.68E-09	6.61E-10
480769.32, 3851463.75	0.00401	0.00081224	9.21E-08	3.62E-08	1.46E-05	1.66E-09	6.52E-10
480684.08, 3851421.08	0.00395	0.00080009	9.07E-08	3.57E-08	1.44E-05	1.63E-09	6.42E-10
480598.84, 3851378.42	0.00394	0.00079806	9.05E-08	3.56E-08	1.44E-05	1.63E-09	6.40E-10
480435.71, 3851275.01	0.00384	0.00077781	8.82E-08	3.47E-08	1.40E-05	1.59E-09	6.24E-10
480347.85, 3851232.36	0.0038	0.0007697	8.73E-08	3.43E-08	1.39E-05	1.57E-09	6.17E-10
480260, 3851189.72	0.00375	0.00075958	8.62E-08	3.38E-08	1.37E-05	1.55E-09	6.09E-10
480172.15, 3851147.07	0.0037	0.00074945	8.50E-08	3.34E-08	1.35E-05	1.53E-09	6.01E-10
480084.29, 3851104.42	0.00363	0.00073527	8.34E-08	3.28E-08	1.32E-05	1.50E-09	5.90E-10
479996.44, 3851061.77	0.00355	0.00071907	8.16E-08	3.20E-08	1.29E-05	1.47E-09	5.77E-10

479908.58, 3851019.13	0.00335	0.00067855	7.70E-08	3.02E-08	1.22E-05	1.39E-09	5.44E-10
479820.73, 3850976.48	0.0033	0.00066843	7.58E-08	2.98E-08	1.20E-05	1.36E-09	5.36E-10
479732.88, 3850933.83	0.00325	0.0006583	7.47E-08	2.93E-08	1.19E-05	1.34E-09	5.28E-10
479645.02, 3850891.18	0.00321	0.0006502	7.37E-08	2.90E-08	1.17E-05	1.33E-09	5.22E-10
479557.17, 3850848.54	0.0032	0.00064817	7.35E-08	2.89E-08	1.17E-05	1.32E-09	5.20E-10
479469.32, 3850805.89	0.00313	0.00063399	7.19E-08	2.83E-08	1.14E-05	1.29E-09	5.09E-10
479381.46, 3850763.24	0.00314	0.00063602	7.21E-08	2.83E-08	1.15E-05	1.30E-09	5.10E-10
479293.61, 3850720.59	0.00321	0.0006502	7.37E-08	2.90E-08	1.17E-05	1.33E-09	5.22E-10
479205.76, 3850677.95	0.00325	0.0006583	7.47E-08	2.93E-08	1.19E-05	1.34E-09	5.28E-10
479117.9, 3850635.3	0.00332	0.00067248	7.63E-08	3.00E-08	1.21E-05	1.37E-09	5.39E-10
479030.05, 3850592.65	0.00327	0.00066235	7.51E-08	2.95E-08	1.19E-05	1.35E-09	5.31E-10
478942.19, 3850550	0.00318	0.00064412	7.31E-08	2.87E-08	1.16E-05	1.32E-09	5.17E-10
478854.34, 3850507.36	0.00294	0.00059551	6.75E-08	2.65E-08	1.07E-05	1.22E-09	4.78E-10
478766.49, 3850464.71	0.00283	0.00057323	6.50E-08	2.55E-08	1.03E-05	1.17E-09	4.60E-10
478678.63, 3850422.06	0.00277	0.00056107	6.36E-08	2.50E-08	1.01E-05	1.15E-09	4.50E-10
478590.78, 3850379.41	0.00269	0.00054487	6.18E-08	2.43E-08	9.81E-06	1.11E-09	4.37E-10
478502.93, 3850336.77	0.00264	0.00053474	6.07E-08	2.38E-08	9.63E-06	1.09E-09	4.29E-10
478415.07, 3850294.12	0.00261	0.00052866	6.00E-08	2.36E-08	9.52E-06	1.08E-09	4.24E-10
478327.22, 3850251.47	0.00254	0.00051449	5.84E-08	2.29E-08	9.26E-06	1.05E-09	4.13E-10
478239.36, 3850208.82	0.00249	0.00050436	5.72E-08	2.25E-08	9.08E-06	1.03E-09	4.05E-10
478151.51, 3850166.18	0.00245	0.00049626	5.63E-08	2.21E-08	8.93E-06	1.01E-09	3.98E-10
478063.66, 3850123.53	0.00241	0.00048815	5.54E-08	2.18E-08	8.79E-06	9.97E-10	3.92E-10
477975.8, 3850080.88	0.00255	0.00051651	5.86E-08	2.30E-08	9.30E-06	1.05E-09	4.14E-10
477887.95, 3850038.23	0.00256	0.00051854	5.88E-08	2.31E-08	9.34E-06	1.06E-09	4.16E-10
477800.1, 3849995.59	0.0026	0.00052664	5.97E-08	2.35E-08	9.48E-06	1.08E-09	4.22E-10
477712.24, 3849952.94	0.00259	0.00052461	5.95E-08	2.34E-08	9.44E-06	1.07E-09	4.21E-10
477624.39, 3849910.29	0.00258	0.00052259	5.93E-08	2.33E-08	9.41E-06	1.07E-09	4.19E-10
477536.54, 3849867.64	0.00258	0.00052259	5.93E-08	2.33E-08	9.41E-06	1.07E-09	4.19E-10
477448.68, 3849825	0.00255	0.00051651	5.86E-08	2.30E-08	9.30E-06	1.05E-09	4.14E-10
477360.83, 3849782.35	0.00252	0.00051044	5.79E-08	2.27E-08	9.19E-06	1.04E-09	4.09E-10
477272.97, 3849739.7	0.00243	0.00049221	5.58E-08	2.19E-08	8.86E-06	1.01E-09	3.95E-10
477185.12, 3849697.05	0.00241	0.00048815	5.54E-08	2.18E-08	8.79E-06	9.97E-10	3.92E-10
477097.27, 3849654.41	0.00242	0.00049018	5.56E-08	2.18E-08	8.82E-06	1.00E-09	3.93E-10
477009.41, 3849611.76	0.00232	0.00046992	5.33E-08	2.09E-08	8.46E-06	9.60E-10	3.77E-10
476841.49, 3849530.08	0.00223	0.00045169	5.12E-08	2.01E-08	8.13E-06	9.22E-10	3.62E-10
476761.41, 3849491.05	0.00222	0.00044967	5.10E-08	2.00E-08	8.10E-06	9.18E-10	3.61E-10
476681.34, 3849452.02	0.00217	0.00043954	4.99E-08	1.96E-08	7.91E-06	8.98E-10	3.53E-10
476601.26, 3849412.99	0.00211	0.00042739	4.85E-08	1.90E-08	7.69E-06	8.73E-10	3.43E-10
476456.32, 3849353.67	0.00194	0.00039295	4.46E-08	1.75E-08	7.07E-06	8.02E-10	3.15E-10
476305.43, 3849318.83	0.00195	0.00039498	4.48E-08	1.76E-08	7.11E-06	8.07E-10	3.17E-10
476129.36, 3849289.99	0.00189	0.00038283	4.34E-08	1.71E-08	6.89E-06	7.82E-10	3.07E-10
476039.31, 3849275.68	0.00183	0.00037067	4.20E-08	1.65E-08	6.67E-06	7.57E-10	2.97E-10
475949.26, 3849261.38	0.00178	0.00036055	4.09E-08	1.61E-08	6.49E-06	7.36E-10	2.89E-10
475859.21, 3849247.08	0.00175	0.00035447	4.02E-08	1.58E-08	6.38E-06	7.24E-10	2.84E-10
475769.16, 3849232.77	0.00167	0.00033826	3.84E-08	1.51E-08	6.09E-06	6.91E-10	2.71E-10
475585.22, 3849219.27	0.00127	0.00025724	2.92E-08	1.15E-08	4.63E-06	5.25E-10	2.06E-10
475444.49, 3849150.34	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
475334.17, 3849118.71	0.0015	0.00030383	3.45E-08	1.35E-08	5.47E-06	6.20E-10	2.44E-10
475230.46, 3849060.57	0.00149	0.0003018	3.42E-08	1.34E-08	5.43E-06	6.16E-10	2.42E-10
475110.86, 3848960.97	0.00147	0.00029775	3.38E-08	1.33E-08	5.36E-06	6.08E-10	2.39E-10
475037.79, 3848896.28	0.00143	0.00028965	3.29E-08	1.29E-08	5.21E-06	5.91E-10	2.32E-10
474964.72, 3848831.59	0.0014	0.00028358	3.22E-08	1.26E-08	5.11E-06	5.79E-10	2.27E-10
474891.65, 3848766.9	0.00139	0.00028155	3.19E-08	1.25E-08	5.07E-06	5.75E-10	2.26E-10
474818.58, 3848702.21	0.00139	0.00028155	3.19E-08	1.25E-08	5.07E-06	5.75E-10	2.26E-10
474745.51, 3848637.53	0.00142	0.00028763	3.26E-08	1.28E-08	5.18E-06	5.87E-10	2.31E-10
474672.44, 3848572.84	0.00147	0.00029775	3.38E-08	1.33E-08	5.36E-06	6.08E-10	2.39E-10
474599.37, 3848508.15	0.00141	0.0002856	3.24E-08	1.27E-08	5.14E-06	5.83E-10	2.29E-10
474526.3, 3848443.46	0.0014	0.00028358	3.22E-08	1.26E-08	5.11E-06	5.79E-10	2.27E-10

		Residential Exposure			Student			Worker		
	X, Y	No Replacements	With Replacements	Net	No Replacements	With Replacements	Net	No Replacements	With Replacements	Net
1	485973.61, 3854936.51	4.58E-07	8.25E-09	-4.50E-07	1.93E-08	3.47E-10	-1.89E-08	2.89E-08	5.20E-10	-2.84E-08
2	486023.61, 3854936.51	4.51E-07	8.13E-09	-4.43E-07	1.90E-08	3.42E-10	-1.86E-08	2.84E-08	5.12E-10	-2.79E-08
3	486073.61, 3854936.51	4.47E-07	8.05E-09	-4.39E-07	1.88E-08	3.39E-10	-1.85E-08	2.82E-08	5.07E-10	-2.77E-08
4	486123.61, 3854936.51	4.37E-07	7.87E-09	-4.29E-07	1.84E-08	3.31E-10	-1.81E-08	2.75E-08	4.96E-10	-2.70E-08
5	486173.61, 3854936.51	4.36E-07	7.84E-09	-4.28E-07	1.83E-08	3.30E-10	-1.80E-08	2.74E-08	4.94E-10	-2.69E-08
6	486223.61, 3854936.51	4.30E-07	7.74E-09	-4.22E-07	1.81E-08	3.26E-10	-1.78E-08	2.71E-08	4.87E-10	-2.66E-08
7	486273.61, 3854936.51	4.26E-07	7.66E-09	-4.18E-07	1.79E-08	3.22E-10	-1.76E-08	2.68E-08	4.83E-10	-2.63E-08
8	486323.61, 3854936.51	4.23E-07	7.61E-09	-4.15E-07	1.78E-08	3.20E-10	-1.75E-08	2.66E-08	4.79E-10	-2.61E-08
9	485973.61, 3854986.51	4.71E-07	8.49E-09	-4.63E-07	1.98E-08	3.57E-10	-1.95E-08	2.97E-08	5.35E-10	-2.92E-08
10	486023.61, 3854986.51	4.66E-07	8.38E-09	-4.57E-07	1.96E-08	3.53E-10	-1.92E-08	2.93E-08	5.28E-10	-2.88E-08
11	486073.61, 3854986.51	4.58E-07	8.25E-09	-4.50E-07	1.93E-08	3.47E-10	-1.89E-08	2.89E-08	5.20E-10	-2.84E-08
12	486123.61, 3854986.51	4.53E-07	8.15E-09	-4.45E-07	1.90E-08	3.43E-10	-1.87E-08	2.85E-08	5.13E-10	-2.80E-08
13	486173.61, 3854986.51	4.50E-07	8.10E-09	-4.42E-07	1.89E-08	3.41E-10	-1.86E-08	2.83E-08	5.10E-10	-2.78E-08
14	486223.61, 3854986.51	4.43E-07	7.97E-09	-4.35E-07	1.86E-08	3.35E-10	-1.83E-08	2.79E-08	5.02E-10	-2.74E-08
15	486273.61, 3854986.51	4.34E-07	7.82E-09	-4.26E-07	1.83E-08	3.29E-10	-1.79E-08	2.73E-08	4.92E-10	-2.69E-08
16	486323.61, 3854986.51	4.36E-07	7.84E-09	-4.28E-07	1.83E-08	3.30E-10	-1.80E-08	2.74E-08	4.94E-10	-2.69E-08
17	485973.61, 3855036.51	4.87E-07	8.77E-09	-4.78E-07	2.05E-08	3.69E-10	-2.01E-08	3.07E-08	5.52E-10	-3.01E-08
18	486023.61, 3855036.51	4.80E-07	8.64E-09	-4.71E-07	2.02E-08	3.64E-10	-1.98E-08	3.02E-08	5.44E-10	-2.97E-08
19	486073.61, 3855036.51	4.71E-07	8.49E-09	-4.63E-07	1.98E-08	3.57E-10	-1.95E-08	2.97E-08	5.35E-10	-2.92E-08
20	486123.61, 3855036.51	4.64E-07	8.36E-09	-4.56E-07	1.95E-08	3.52E-10	-1.92E-08	2.92E-08	5.26E-10	-2.87E-08
21	486173.61, 3855036.51	4.61E-07	8.31E-09	-4.53E-07	1.94E-08	3.49E-10	-1.91E-08	2.91E-08	5.23E-10	-2.85E-08
22	486223.61, 3855036.51	4.53E-07	8.15E-09	-4.45E-07	1.90E-08	3.43E-10	-1.87E-08	2.85E-08	5.13E-10	-2.80E-08
23	486273.61, 3855036.51	4.51E-07	8.13E-09	-4.43E-07	1.90E-08	3.42E-10	-1.86E-08	2.84E-08	5.12E-10	-2.79E-08
24	486323.61, 3855036.51	4.46E-07	8.02E-09	-4.38E-07	1.87E-08	3.37E-10	-1.84E-08	2.81E-08	5.05E-10	-2.76E-08
25	485973.61, 3855086.51	5.00E-07	9.00E-09	-4.91E-07	2.10E-08	3.79E-10	-2.07E-08	3.15E-08	5.67E-10	-3.09E-08
26	486023.61, 3855086.51	4.96E-07	8.92E-09	-4.87E-07	2.09E-08	3.75E-10	-2.05E-08	3.12E-08	5.62E-10	-3.07E-08
27	486073.61, 3855086.51	4.86E-07	8.74E-09	-4.77E-07	2.04E-08	3.68E-10	-2.01E-08	3.06E-08	5.51E-10	-3.00E-08
28	486123.61, 3855086.51	4.81E-07	8.67E-09	-4.73E-07	2.03E-08	3.65E-10	-1.99E-08	3.03E-08	5.46E-10	-2.98E-08
29	486173.61, 3855086.51	4.73E-07	8.51E-09	-4.64E-07	1.99E-08	3.58E-10	-1.95E-08	2.98E-08	5.36E-10	-2.92E-08
30	486223.61, 3855086.51	4.69E-07	8.43E-09	-4.60E-07	1.97E-08	3.55E-10	-1.94E-08	2.95E-08	5.31E-10	-2.90E-08
31	485973.61, 3855136.51	5.16E-07	9.29E-09	-5.07E-07	2.17E-08	3.91E-10	-2.13E-08	3.25E-08	5.85E-10	-3.19E-08
32	486023.61, 3855136.51	5.09E-07	9.16E-09	-4.99E-07	2.14E-08	3.85E-10	-2.10E-08	3.20E-08	5.77E-10	-3.15E-08
33	486073.61, 3855136.51	5.01E-07	9.03E-09	-4.92E-07	2.11E-08	3.80E-10	-2.07E-08	3.16E-08	5.69E-10	-3.10E-08
34	486123.61, 3855136.51	4.96E-07	8.92E-09	-4.87E-07	2.09E-08	3.75E-10	-2.05E-08	3.12E-08	5.62E-10	-3.07E-08
35	486173.61, 3855136.51	4.89E-07	8.80E-09	-4.80E-07	2.06E-08	3.70E-10	-2.02E-08	3.08E-08	5.54E-10	-3.02E-08
36	486223.61, 3855136.51	4.83E-07	8.69E-09	-4.74E-07	2.03E-08	3.66E-10	-1.99E-08	3.04E-08	5.48E-10	-2.99E-08
37	485973.61, 3855186.51	5.30E-07	9.54E-09	-5.21E-07	2.23E-08	4.02E-10	-2.19E-08	3.34E-08	6.01E-10	-3.28E-08
38	486023.61, 3855186.51	5.24E-07	9.44E-09	-5.15E-07	2.21E-08	3.97E-10	-2.17E-08	3.30E-08	5.95E-10	-3.24E-08
39	486073.61, 3855186.51	5.16E-07	9.29E-09	-5.07E-07	2.17E-08	3.91E-10	-2.13E-08	3.25E-08	5.85E-10	-3.19E-08
40	486123.61, 3855186.51	5.07E-07	9.13E-09	-4.98E-07	2.13E-08	3.84E-10	-2.10E-08	3.20E-08	5.75E-10	-3.14E-08
41	486173.61, 3855186.51	5.01E-07	9.03E-09	-4.92E-07	2.11E-08	3.80E-10	-2.07E-08	3.16E-08	5.69E-10	-3.10E-08
42	486223.61, 3855186.51	4.94E-07	8.90E-09	-4.85E-07	2.08E-08	3.74E-10	-2.04E-08	3.11E-08	5.61E-10	-3.06E-08
43	486273.61, 3855186.51	4.87E-07	8.77E-09	-4.78E-07	2.05E-08	3.69E-10	-2.01E-08	3.07E-08	5.52E-10	-3.01E-08
44	486323.61, 3855186.51	4.90E-07	8.82E-09	-4.81E-07	2.06E-08	3.71E-10	-2.02E-08	3.09E-08	5.56E-10	-3.03E-08
45	485973.61, 3855236.51	5.42E-07	9.75E-09	-5.32E-07	2.28E-08	4.10E-10	-2.24E-08	3.41E-08	6.14E-10	-3.35E-08
46	486023.61, 3855236.51	5.34E-07	9.62E-09	-5.25E-07	2.25E-08	4.05E-10	-2.21E-08	3.37E-08	6.06E-10	-3.31E-08
47	486073.61, 3855236.51	5.26E-07	9.47E-09	-5.16E-07	2.21E-08	3.98E-10	-2.17E-08	3.31E-08	5.96E-10	-3.25E-08
48	486123.61, 3855236.51	5.20E-07	9.36E-09	-5.11E-07	2.19E-08	3.94E-10	-2.15E-08	3.28E-08	5.90E-10	-3.22E-08
49	486173.61, 3855236.51	5.14E-07	9.26E-09	-5.05E-07	2.16E-08	3.90E-10	-2.12E-08	3.24E-08	5.83E-10	-3.18E-08
50	486223.61, 3855236.51	5.07E-07	9.13E-09	-4.98E-07	2.13E-08	3.84E-10	-2.10E-08	3.20E-08	5.75E-10	-3.14E-08
51	486273.61, 3855236.51	4.96E-07	8.92E-09	-4.87E-07	2.09E-08	3.75E-10	-2.05E-08	3.12E-08	5.62E-10	-3.07E-08
52	486323.61, 3855236.51	5.04E-07	9.08E-09	-4.95E-07	2.12E-08	3.82E-10	-2.08E-08	3.18E-08	5.72E-10	-3.12E-08
53	485973.61, 3855286.51	5.52E-07	9.93E-09	-5.42E-07	2.32E-08	4.18E-10	-2.28E-08	3.47E-08	6.26E-10	-3.41E-08
54	486023.61, 3855286.51	5.44E-07	9.80E-09	-5.35E-07	2.29E-08	4.12E-10	-2.25E-08	3.43E-08	6.17E-10	-3.37E-08
55	486073.61, 3855286.51	5.37E-07	9.67E-09	-5.28E-07	2.26E-08	4.07E-10	-2.22E-08	3.38E-08	6.09E-10	-3.32E-08
56	486123.61, 3855286.51	5.30E-07	9.54E-09	-5.21E-07	2.23E-08	4.02E-10	-2.19E-08	3.34E-08	6.01E-10	-3.28E-08
57	486173.61, 3855286.51	5.23E-07	9.42E-09	-5.14E-07	2.20E-08	3.96E-10	-2.16E-08	3.29E-08	5.93E-10	-3.24E-08
58	486223.61, 3855286.51	5.19E-07	9.34E-09	-5.09E-07	2.18E-08	3.93E-10	-2.14E-08	3.27E-08	5.88E-10	-3.21E-08
59	486123.61, 3855336.51	5.39E-07	9.70E-09	-5.29E-07	2.27E-08	4.08E-10	-2.23E-08	3.39E-08	6.11E-10	-3.33E-08
60	486173.61, 3855336.51	5.34E-07	9.62E-09	-5.25E-07	2.25E-08	4.05E-10	-2.21E-08	3.37E-08	6.06E-10	-3.31E-08
61	486223.61, 3855336.51	5.29E-07	9.52E-09	-5.19E-07	2.22E-08	4.00E-10	-2.18E-08	3.33E-08	6.00E-10	-3.27E-08
62	486123.61, 3855386.51	5.47E-07	9.85E-09	-5.37E-07	2.30E-08	4.15E-10	-2.26E-08	3.45E-08	6.21E-10	-3.39E-08
63	486173.61, 3855386.51	5.43E-07	9.78E-09	-5.33E-07	2.28E-08	4.11E-10	-2.24E-08	3.42E-08	6.16E-10	-3.36E-08
64	486223.61, 3855386.51	5.40E-07	9.72E-09	-5.30E-07	2.27E-08	4.09E-10	-2.23E-08	3.40E-08	6.13E-10	-3.34E-08
65	486533.18, 3855443.15	5.33E-07	9.60E-09	-5.23E-07	2.24E-08	4.04E-10	-2.20E-08	3.36E-08	6.04E-10	-3.30E-08
66	486583.18, 3855443.15	5.27E-07	9.49E-09	-5.18E-07	2.22E-08	3.99E-10	-2.18E-08	3.32E-08	5.98E-10	-3.26E-08
67	486633.18, 3855443.15	5.22E-07	9.39E-09	-5.12E-07	2.19E-08	3.95E-10	-2.15E-08	3.29E-08	5.91E-10	-3.23E-08
68	486683.18, 3855443.15	5.19E-07	9.34E-09	-5.09E-07	2.18E-08	3.93E-10	-2.14E-08	3.27E-08	5.88E-10	-3.21E-08
69	486533.18, 3855493.15	5.44E-07	9.80E-09	-5.35E-07	2.29E-08	4.12E-10	-2.25E-08	3.43E-08	6.17E-10	-3.37E-08
70	486583.18, 3855493.15	5.40E-07	9.72E-09	-5.30E-07	2.27E-08	4.09E-10	-2.23E-08	3.40E-08	6.13E-10	-3.34E-08
71	486633.18, 3855493.15	5.34E-07	9.62E-09	-5.25E-07	2.25E-08	4.05E-10	-2.21E-08	3.37E-08	6.06E-10	-3.31E-08
72	486683.18, 3855493.15	5.30E-07	9.54E-09	-5.21E-07	2.23E-08	4.02E-10	-2.19E-08	3.34E-08	6.01E-10	-3.28E-08
73	486533.18, 3855543.15	5.56E-07	1.00E-08	-5.46E-07	2.34E-08	4.21E-10	-2.30E-08	3.50E-08	6.30E-10	-3.44E-08
74	486583.18, 3855543.15	5.49E-07	9.88E-09	-5.39E-07	2.31E-08	4.16E-10	-2.27E-08	3.46E-08	6.22E-10	-3.39E-08
75	486633.18, 3855543.15	5.46E-07	9.83E-09	-5.36E-07	2.30E-08	4.13E-10	-2.26E-08	3.44E-08	6.19E-10	-3.38E-08
76	486683.18, 3855543.15	5.37E-07	9.67E-09	-5.28E-07	2.26E-08	4.07E-10	-2.22E-08	3.38E-08	6.09E-10	-3.32E-08
77	486533.18, 3855593.15	5.65E-07	1.02E-08	-5.54E-07	2.37E-08	4.28E-10	-2.33E-08	3.56E-08	6.40E-10	-3.49E-08
78	486583.18, 3855593.15	5.60E-07	1.01E-08	-5.50E-07	2.36E-08	4.24E-10	-2.31E-08	3.53E-08	6.35E-10	-3.47E-08
79	486633.18, 3855593.15	5.56E-07	1.00E-08	-5.46E-07	2.34E-08	4.21E-10	-2.30E-08	3.50E-08	6.30E-10	-3.44E-08
80	486683.18, 3855593.15	5.53E-07	9.96E-09	-5.43E-07	2.33E-08	4.19E-10	-2.28E-08	3.48E-08	6.27E-10	-3.42E-08
81	486533.18, 3855643.15	5.72E-07	1.03E-08	-5.61E-07	2.41E-08	4.33E-10	-2.36E-08	3.60E-08	6.48E-10	-3.54E-08
82	486583.18, 3855643.15	5.69E-07	1.02E-08	-5.59E-07	2.39E-08	4.31E-10	-2.35E-08	3.58E-08	6.45E-10	-3.52E-08
83	486633.18, 3855643.15	5.66E-07	1.02E-08	-5.56E-07	2.38E-08	4.29E-10	-2.34E-08	3.57E-08	6.42E-10	-3.50E-08
84	486683.18, 3855643.15	5.63E-07	1.01E-08	-5.53E-07	2.37E-08	4.26E-10	-2.33E-08	3.55E-08	6.39E-10	-3.48E-08
85	486533.18, 3855693.15	5.80E-07	1.04E-08	-5.70E-07	2.44E-08	4.39E-10	-2.40E-08	3.66E-08	6.58E-10	-3.59E-08
86	486583.18, 3855693.15	5.75E-07	1.03E-08	-5.64E-07	2.42E-08	4.35E-10	-2.37E-08	3.62E-08	6.52E-10	-3.55E-08
87	486633.18, 3855693.15	5.69E-07	1.02E-08	-5.59E-07	2.39E-08	4.31E-10	-2.35E-08	3.58E-08	6.45E-10	-3.52E-08
88	486683.18, 3855693.15	5.70E-07	1.03E-08	-5.60E-07	2.40E-08	4.32E-10	-2.36E-08	3.59E-08	6.47E-10	-3.53E-08
89	486733.18, 3855693.15	5.76E-07	1.04E-08	-5.66E-07	2.42E-08	4.36E-10	-2.38E-08	3.63E-08	6.53E-10	-3.56E-08
90	486783.18, 3855693.15	5.83E-07	1.05E-08	-5.73E-07	2.45E-08	4.42E-10	-2.41E-08	3.67E-08	6.61E-10	-3.61E-08
91	486533.18, 3855743.15	5.85E-07	1.05E-08	-5.74E-07	2.46E-08	4.43E-10	-2.41E-08	3.68E-08	6.63E-10	-3.62E-08
92	486583.18, 3855743.15	5.77E-07	1.04E-08	-5.67E-07	2.43E-08	4.37E-10	-2.39E-08	3.64E-08	6.55E-10	-3.57E-08
93	486633.18, 3855743.15	5.75E-07	1.03E-08	-5.64E-07	2.42E-08	4.35E-10	-2.37E-08	3.62E-08	6.52E-10	-3.55E-08
94	486683.18, 3855743.15	5.80E-07	1.04E-08	-5.70E-07	2.44E-08	4.39E-10	-2.40E-08	3.66E-08	6.58E-10	-3.59E-08
95	486733.18, 3855743.15	5.83E-07	1.05E-08	-5.73E-07	2.45E-08	4.42E-10	-2.41E-08	3.67E-08	6.61E-10	-3.61E-08
96	486783.18, 3855743.15	5.93E-07	1.07E-08	-5.82E-07	2.50E-08	4.49E-10	-2.45E-08	3.74E-08	6.73E-10	-3.67E-08
97	486533.18, 3855793.15	5.89E-07	1.06E-08	-5.78E-07	2.48E-08	4.46E-10	-2.43E-08	3.71E-08	6.68E-10	-3.64E-08
98	486583.18, 3855793.15	5.76E-07	1.04E-08	-5.66E-07	2.42E-08	4.36E-10	-2.38E-08	3.63E-08	6.53E-10	-3.56E-08
99	486633.18, 3855793.15	5.83E-07	1.05E-08	-5.73E-07	2.45E-08	4.42E-10	-2.41E-08	3.67E-08	6.61E-10	-3.61E-08
100	486683.18, 3855793.15	5.90E-07	1.06E-08	-5.80E-07	2.48E-08	4.47E-10	-2.44E-08	3.72E-08	6.69E-10	-3.65E-08
101	486733.18, 3855793.15	5.95E-07	1.07E-08	-5.84E-07	2.50E-08	4.50E-10	-2.46E-08	3.75E-08	6.74E-10	-3.68E-08
102	486783.18, 3855793.15	6.00E-07	1.08E-08	-5.90E-07	2.53E-08	4.55E-10	-2.48E-08	3.78E-08	6.81E-10	-3.71E-08
103	486533.18, 3855843.15	5.87E-07	1.06E-08	-5.77E-07	2.47E-08	4.45E-10	-2.43E-08	3.70E-08	6.66E-10	-3.63E-08

104	486583.18, 3855843.15	5.80E-07	1.04E-08	-5.70E-07	2.44E-08	4.39E-10	-2.40E-08	3.66E-08	6.58E-10	-3.59E-08
105	486633.18, 3855843.15	5.87E-07	1.06E-08	-5.77E-07	2.47E-08	4.45E-10	-2.43E-08	3.70E-08	6.66E-10	-3.63E-08
106	486683.18, 3855843.15	5.96E-07	1.07E-08	-5.85E-07	2.51E-08	4.51E-10	-2.46E-08	3.75E-08	6.76E-10	-3.69E-08
107	486733.18, 3855843.15	6.03E-07	1.09E-08	-5.92E-07	2.54E-08	4.57E-10	-2.49E-08	3.80E-08	6.84E-10	-3.73E-08
108	486783.18, 3855843.15	6.09E-07	1.10E-08	-5.98E-07	2.56E-08	4.61E-10	-2.52E-08	3.84E-08	6.91E-10	-3.77E-08
109	486533.18, 3855893.15	5.80E-07	1.04E-08	-5.70E-07	2.44E-08	4.39E-10	-2.40E-08	3.66E-08	6.58E-10	-3.59E-08
110	486583.18, 3855893.15	5.86E-07	1.06E-08	-5.75E-07	2.47E-08	4.44E-10	-2.42E-08	3.69E-08	6.65E-10	-3.63E-08
111	486633.18, 3855893.15	5.92E-07	1.07E-08	-5.81E-07	2.49E-08	4.48E-10	-2.44E-08	3.73E-08	6.71E-10	-3.66E-08
112	486683.18, 3855893.15	6.00E-07	1.08E-08	-5.90E-07	2.53E-08	4.55E-10	-2.48E-08	3.78E-08	6.81E-10	-3.71E-08
113	486733.18, 3855893.15	6.07E-07	1.09E-08	-5.97E-07	2.56E-08	4.60E-10	-2.51E-08	3.83E-08	6.89E-10	-3.76E-08
114	486783.18, 3855893.15	6.18E-07	1.11E-08	-6.06E-07	2.60E-08	4.68E-10	-2.55E-08	3.89E-08	7.00E-10	-3.82E-08
115	486533.18, 3855943.15	5.80E-07	1.04E-08	-5.70E-07	2.44E-08	4.39E-10	-2.40E-08	3.66E-08	6.58E-10	-3.59E-08
116	486583.18, 3855943.15	5.92E-07	1.07E-08	-5.81E-07	2.49E-08	4.48E-10	-2.44E-08	3.73E-08	6.71E-10	-3.66E-08
117	486633.18, 3855943.15	5.96E-07	1.07E-08	-5.85E-07	2.51E-08	4.51E-10	-2.46E-08	3.75E-08	6.76E-10	-3.69E-08
118	486683.18, 3855943.15	6.06E-07	1.09E-08	-5.95E-07	2.55E-08	4.59E-10	-2.50E-08	3.82E-08	6.87E-10	-3.75E-08
119	486733.18, 3855943.15	6.12E-07	1.10E-08	-6.01E-07	2.57E-08	4.63E-10	-2.53E-08	3.85E-08	6.94E-10	-3.78E-08
120	486783.18, 3855943.15	6.22E-07	1.12E-08	-6.11E-07	2.62E-08	4.71E-10	-2.57E-08	3.92E-08	7.05E-10	-3.85E-08
121	486533.18, 3855993.15	5.86E-07	1.06E-08	-5.75E-07	2.47E-08	4.44E-10	-2.42E-08	3.69E-08	6.65E-10	-3.63E-08
122	486583.18, 3855993.15	5.93E-07	1.07E-08	-5.82E-07	2.50E-08	4.49E-10	-2.45E-08	3.74E-08	6.73E-10	-3.67E-08
123	486633.18, 3855993.15	6.00E-07	1.08E-08	-5.90E-07	2.53E-08	4.55E-10	-2.48E-08	3.78E-08	6.81E-10	-3.71E-08
124	486683.18, 3855993.15	6.09E-07	1.10E-08	-5.98E-07	2.56E-08	4.61E-10	-2.52E-08	3.84E-08	6.91E-10	-3.77E-08
125	486733.18, 3855993.15	6.16E-07	1.11E-08	-6.05E-07	2.59E-08	4.67E-10	-2.55E-08	3.88E-08	6.99E-10	-3.81E-08
126	486783.18, 3855993.15	6.26E-07	1.13E-08	-6.15E-07	2.63E-08	4.74E-10	-2.59E-08	3.94E-08	7.10E-10	-3.87E-08
127	486533.18, 3856043.15	5.89E-07	1.06E-08	-5.78E-07	2.48E-08	4.46E-10	-2.43E-08	3.71E-08	6.68E-10	-3.64E-08
128	486583.18, 3856043.15	5.97E-07	1.08E-08	-5.87E-07	2.51E-08	4.53E-10	-2.47E-08	3.76E-08	6.78E-10	-3.70E-08
129	486633.18, 3856043.15	6.03E-07	1.09E-08	-5.92E-07	2.54E-08	4.57E-10	-2.49E-08	3.80E-08	6.84E-10	-3.73E-08
130	486683.18, 3856043.15	6.13E-07	1.10E-08	-6.02E-07	2.58E-08	4.64E-10	-2.53E-08	3.86E-08	6.95E-10	-3.79E-08
131	486733.18, 3856043.15	6.20E-07	1.12E-08	-6.09E-07	2.61E-08	4.70E-10	-2.56E-08	3.91E-08	7.04E-10	-3.84E-08
132	486783.18, 3856043.15	6.32E-07	1.14E-08	-6.20E-07	2.66E-08	4.79E-10	-2.61E-08	3.98E-08	7.17E-10	-3.91E-08
133	486533.18, 3856093.15	5.95E-07	1.07E-08	-5.84E-07	2.50E-08	4.50E-10	-2.46E-08	3.75E-08	6.74E-10	-3.68E-08
134	486583.18, 3856093.15	6.02E-07	1.08E-08	-5.91E-07	2.53E-08	4.56E-10	-2.49E-08	3.79E-08	6.82E-10	-3.72E-08
135	486633.18, 3856093.15	6.09E-07	1.10E-08	-5.98E-07	2.56E-08	4.61E-10	-2.52E-08	3.84E-08	6.91E-10	-3.77E-08
136	486683.18, 3856093.15	6.18E-07	1.11E-08	-6.06E-07	2.60E-08	4.68E-10	-2.55E-08	3.89E-08	7.00E-10	-3.82E-08
137	486733.18, 3856093.15	6.25E-07	1.12E-08	-6.13E-07	2.63E-08	4.73E-10	-2.58E-08	3.94E-08	7.08E-10	-3.86E-08
138	486783.18, 3856093.15	6.35E-07	1.14E-08	-6.23E-07	2.67E-08	4.81E-10	-2.62E-08	4.00E-08	7.20E-10	-3.93E-08
139	486533.18, 3856143.15	6.00E-07	1.08E-08	-5.90E-07	2.53E-08	4.55E-10	-2.48E-08	3.78E-08	6.81E-10	-3.71E-08
140	486583.18, 3856143.15	6.05E-07	1.09E-08	-5.94E-07	2.54E-08	4.58E-10	-2.50E-08	3.81E-08	6.86E-10	-3.74E-08
141	486633.18, 3856143.15	6.13E-07	1.10E-08	-6.02E-07	2.58E-08	4.64E-10	-2.53E-08	3.86E-08	6.95E-10	-3.79E-08
142	486683.18, 3856143.15	6.20E-07	1.12E-08	-6.09E-07	2.61E-08	4.70E-10	-2.56E-08	3.91E-08	7.04E-10	-3.84E-08
143	486733.18, 3856143.15	6.29E-07	1.13E-08	-6.18E-07	2.65E-08	4.76E-10	-2.60E-08	3.96E-08	7.13E-10	-3.89E-08
144	486783.18, 3856143.15	6.42E-07	1.16E-08	-6.30E-07	2.70E-08	4.86E-10	-2.65E-08	4.04E-08	7.28E-10	-3.97E-08
145	486533.18, 3856193.15	6.07E-07	1.09E-08	-5.97E-07	2.56E-08	4.60E-10	-2.51E-08	3.83E-08	6.89E-10	-3.76E-08
146	486583.18, 3856193.15	6.10E-07	1.10E-08	-5.99E-07	2.57E-08	4.62E-10	-2.52E-08	3.84E-08	6.92E-10	-3.78E-08
147	486633.18, 3856193.15	6.18E-07	1.11E-08	-6.06E-07	2.60E-08	4.68E-10	-2.55E-08	3.89E-08	7.00E-10	-3.82E-08
148	486683.18, 3856193.15	6.28E-07	1.13E-08	-6.16E-07	2.64E-08	4.75E-10	-2.59E-08	3.95E-08	7.12E-10	-3.88E-08
149	486733.18, 3856193.15	6.35E-07	1.14E-08	-6.23E-07	2.67E-08	4.81E-10	-2.62E-08	4.00E-08	7.20E-10	-3.93E-08
150	486783.18, 3856193.15	6.46E-07	1.16E-08	-6.35E-07	2.72E-08	4.89E-10	-2.67E-08	4.07E-08	7.33E-10	-4.00E-08
151	486533.18, 3856243.15	6.16E-07	1.11E-08	-6.05E-07	2.59E-08	4.67E-10	-2.55E-08	3.88E-08	6.99E-10	-3.81E-08
152	486583.18, 3856243.15	6.19E-07	1.11E-08	-6.08E-07	2.60E-08	4.69E-10	-2.56E-08	3.90E-08	7.02E-10	-3.83E-08
153	486633.18, 3856243.15	6.25E-07	1.12E-08	-6.13E-07	2.63E-08	4.73E-10	-2.58E-08	3.94E-08	7.08E-10	-3.86E-08
154	486683.18, 3856243.15	6.32E-07	1.14E-08	-6.20E-07	2.66E-08	4.79E-10	-2.61E-08	3.98E-08	7.17E-10	-3.91E-08
155	486733.18, 3856243.15	6.42E-07	1.16E-08	-6.30E-07	2.70E-08	4.86E-10	-2.65E-08	4.04E-08	7.28E-10	-3.97E-08
156	486783.18, 3856243.15	6.50E-07	1.17E-08	-6.39E-07	2.74E-08	4.93E-10	-2.69E-08	4.10E-08	7.38E-10	-4.02E-08
157	486533.18, 3856293.15	6.28E-07	1.13E-08	-6.16E-07	2.64E-08	4.75E-10	-2.59E-08	3.95E-08	7.12E-10	-3.88E-08
158	486583.18, 3856293.15	6.29E-07	1.13E-08	-6.18E-07	2.65E-08	4.76E-10	-2.60E-08	3.96E-08	7.13E-10	-3.89E-08
159	486633.18, 3856293.15	6.33E-07	1.14E-08	-6.22E-07	2.66E-08	4.80E-10	-2.62E-08	3.99E-08	7.18E-10	-3.92E-08
160	486683.18, 3856293.15	6.40E-07	1.15E-08	-6.29E-07	2.69E-08	4.85E-10	-2.65E-08	4.03E-08	7.26E-10	-3.96E-08
161	486733.18, 3856293.15	6.50E-07	1.17E-08	-6.39E-07	2.74E-08	4.93E-10	-2.69E-08	4.10E-08	7.38E-10	-4.02E-08
162	486783.18, 3856293.15	6.58E-07	1.18E-08	-6.46E-07	2.77E-08	4.98E-10	-2.72E-08	4.14E-08	7.46E-10	-4.07E-08
163	486783.18, 3856343.15	6.69E-07	1.20E-08	-6.57E-07	2.81E-08	5.07E-10	-2.76E-08	4.22E-08	7.59E-10	-4.14E-08
164	486833.18, 3856343.15	6.78E-07	1.22E-08	-6.65E-07	2.85E-08	5.13E-10	-2.80E-08	4.27E-08	7.69E-10	-4.19E-08
165	486883.18, 3856343.15	6.88E-07	1.24E-08	-6.75E-07	2.89E-08	5.21E-10	-2.84E-08	4.33E-08	7.80E-10	-4.25E-08
166	486783.18, 3856393.15	6.78E-07	1.22E-08	-6.65E-07	2.85E-08	5.13E-10	-2.80E-08	4.27E-08	7.69E-10	-4.19E-08
167	486833.18, 3856393.15	6.86E-07	1.24E-08	-6.74E-07	2.89E-08	5.20E-10	-2.84E-08	4.32E-08	7.78E-10	-4.25E-08
168	486883.18, 3856393.15	6.92E-07	1.25E-08	-6.80E-07	2.91E-08	5.24E-10	-2.86E-08	4.36E-08	7.85E-10	-4.28E-08
169	487208.74, 3856886.11	9.01E-07	1.62E-08	-8.85E-07	3.79E-08	6.83E-10	-3.72E-08	5.68E-08	1.02E-09	-5.57E-08
170	487258.74, 3856886.11	9.04E-07	1.63E-08	-8.88E-07	3.80E-08	6.85E-10	-3.73E-08	5.70E-08	1.03E-09	-5.59E-08
171	487308.74, 3856886.11	9.07E-07	1.63E-08	-8.91E-07	3.82E-08	6.87E-10	-3.75E-08	5.71E-08	1.03E-09	-5.61E-08
172	487358.74, 3856886.11	9.08E-07	1.64E-08	-8.92E-07	3.82E-08	6.88E-10	-3.75E-08	5.72E-08	1.03E-09	-5.62E-08
173	487208.74, 3856936.11	9.26E-07	1.67E-08	-9.09E-07	3.89E-08	7.01E-10	-3.82E-08	5.83E-08	1.05E-09	-5.73E-08
174	487258.74, 3856936.11	9.28E-07	1.67E-08	-9.12E-07	3.91E-08	7.03E-10	-3.84E-08	5.85E-08	1.05E-09	-5.74E-08
175	487308.74, 3856936.11	9.33E-07	1.68E-08	-9.16E-07	3.92E-08	7.06E-10	-3.85E-08	5.88E-08	1.06E-09	-5.77E-08
176	487358.74, 3856936.11	9.36E-07	1.68E-08	-9.19E-07	3.94E-08	7.09E-10	-3.87E-08	5.89E-08	1.06E-09	-5.79E-08
177	487208.74, 3856986.11	9.50E-07	1.71E-08	-9.33E-07	4.00E-08	7.19E-10	-3.92E-08	5.98E-08	1.08E-09	-5.88E-08
178	487258.74, 3856986.11	9.57E-07	1.72E-08	-9.40E-07	4.03E-08	7.25E-10	-3.95E-08	6.03E-08	1.09E-09	-5.92E-08
179	487308.74, 3856986.11	9.59E-07	1.73E-08	-9.41E-07	4.03E-08	7.26E-10	-3.96E-08	6.04E-08	1.09E-09	-5.93E-08
180	487358.74, 3856986.11	9.66E-07	1.74E-08	-9.48E-07	4.06E-08	7.31E-10	-3.99E-08	6.08E-08	1.10E-09	-5.97E-08
181	487208.74, 3857036.11	9.73E-07	1.75E-08	-9.55E-07	4.09E-08	7.37E-10	-4.02E-08	6.13E-08	1.10E-09	-6.02E-08
182	487258.74, 3857036.11	9.79E-07	1.76E-08	-9.61E-07	4.12E-08	7.41E-10	-4.04E-08	6.16E-08	1.11E-09	-6.05E-08
183	487308.74, 3857036.11	9.87E-07	1.78E-08	-9.69E-07	4.15E-08	7.48E-10	-4.08E-08	6.22E-08	1.12E-09	-6.11E-08
184	487358.74, 3857036.11	9.93E-07	1.79E-08	-9.75E-07	4.18E-08	7.52E-10	-4.10E-08	6.25E-08	1.13E-09	-6.14E-08
185	487427.14, 3856878.23	9.17E-07	1.65E-08	-9.00E-07	3.86E-08	6.95E-10	-3.79E-08	5.78E-08	1.04E-09	-5.67E-08
186	487477.14, 3856878.23	9.24E-07	1.66E-08	-9.07E-07	3.89E-08	7.00E-10	-3.82E-08	5.82E-08	1.05E-09	-5.72E-08
187	487527.14, 3856878.23	9.31E-07	1.68E-08	-9.15E-07	3.92E-08	7.05E-10	-3.85E-08	5.87E-08	1.06E-09	-5.76E-08
188	487427.14, 3856928.23	9.41E-07	1.69E-08	-9.24E-07	3.96E-08	7.13E-10	-3.89E-08	5.93E-08	1.07E-09	-5.82E-08
189	487477.14, 3856928.23	9.44E-07	1.70E-08	-9.27E-07	3.97E-08	7.15E-10	-3.90E-08	5.95E-08	1.07E-09	-5.84E-08
190	487527.14, 3856928.23	9.51E-07	1.71E-08	-9.34E-07	4.00E-08	7.21E-10	-3.93E-08	5.99E-08	1.08E-09	-5.89E-08
191	487577.14, 3856928.23	9.60E-07	1.73E-08	-9.43E-07	4.04E-08	7.27E-10	-3.97E-08	6.05E-08	1.09E-09	-5.94E-08
192	487627.14, 3856928.23	9.64E-07	1.74E-08	-9.47E-07	4.06E-08	7.30E-10	-3.98E-08	6.07E-08	1.09E-09	-5.96E-08
193	487677.14, 3856928.23	9.76E-07	1.76E-08	-9.58E-07	4.10E-08	7.39E-10	-4.03E-08	6.15E-08	1.11E-09	-6.04E-08
194	487727.14, 3856928.23	9.91E-07	1.78E-08	-9.74E-07	4.17E-08	7.51E-10	-4.10E-08	6.25E-08	1.12E-09	-6.13E-08
195	487777.14, 3856928.23	1.00E-06	1.80E-08	-9.83E-07	4.21E-08	7.59E-10	-4.14E-08	6.31E-08	1.14E-09	-6.20E-08
196	487427.14, 3856978.23	9.64E-07	1.74E-08	-9.47E-07	4.06E-08	7.30E-10	-3.98E-08	6.07E-08	1.09E-09	-5.96E-08
197	487477.14, 3856978.23	9.71E-07	1.75E-08	-9.54E-07	4.09E-08	7.36E-10	-4.01E-08	6.12E-08	1.10E-09	-6.01E-08
198	487527.14, 3856978.23	9.77E-07	1.76E-08	-9.60E-07	4.11E-08	7.40E-10	-4.04E-08	6.16E-08	1.11E-09	-6.04E-08
199	487577.14, 3856978.23	9.83E-07	1.77E-08	-9.65E-07	4.13E-08	7.44E-10	-4.06E-08	6.19E-08	1.11E-09	-6.08E-08
200	487627.14, 3856978.23	9.86E-07	1.77E-08	-9.68E-07	4.15E-08	7.47E-10	-4.07E-08	6.21E-08	1.12E-09	-6.10E-08
201	487677.14, 3856978.23	9.97E-07	1.80E-08	-9.79E-07	4.20E-08	7.55E-10	-4.12E-08	6.28E-08	1.13E-09	-6.17E-08
202	487727.14, 3856978.23	9.94E-07	1.79E-08	-9.76E-07	4.18E-08	7.53E-10	-4.11E-08	6.26E-08	1.13E-09	-6.15E-08
203	487777.14, 3856978.23	1.02E-06	1.84E-08	-1.00E-06	4.30E-08	7.75E-10	-4.23E-08	6.44E-08	1.16E-09	-6.33E-08
204	487427.14, 3857028.23	9.94E-07	1.79E-08	-9.76E-07	4.18E-08	7.53E-10	-4.11E-08	6.26E-08	1.13E-09	-6.15E-08
205	487477.14, 3857028.23	1.00E-06	1.80E-08	-9.82E-07	4.21E-08	7.57E-10	-4.13E-08	6.30E-08	1.13E-09	-6.19E-08
206	487527.14, 3857028.23	1.00E-06	1.81E-08	-9.85E-07	4.22E-08	7.60E-10	-4.14E-08	6.32E-08	1.14E-09	-6.20E-08
207	487577.14, 3857028.23	1.01E-06	1.82E-08	-9.91E-07	4.24E-08	7.64E-10	-4.17E-08	6.35E-08	1.14E-09	-6.24E-08
208	487627.14, 3857028.23	1.01E-06	1.82E-08	-9.92E-07	4.25E-08	7.65E-10	-4.17E-08	6.36E-08	1.15E-09	-6.25E-08
209	487677.14, 3857028.23	1.02E-06	1.83E-08	-9.99E-07	4.28E-08	7.70E-10	-4.20E-08	6.41E-08	1.15E-09	-6.29E-08
210	487727.14, 3857028.23	1.03E-06	1.86E-08	-1.01E-06	4.34E-08	7.81E-10	-4.26E-08	6.50E-08	1.17E-09	-6.38E-08

211	487777.14, 3857028.23	1.04E-06	1.88E-08	-1.02E-06	4.39E-08	7.90E-10	-4.31E-08	6.57E-08	1.18E-09	-6.45E-08
212	487427.14, 3857078.23	1.02E-06	1.84E-08	-1.00E-06	4.30E-08	7.75E-10	-4.23E-08	6.44E-08	1.16E-09	-6.33E-08
213	487477.14, 3857078.23	1.03E-06	1.85E-08	-1.01E-06	4.32E-08	7.77E-10	-4.24E-08	6.46E-08	1.16E-09	-6.35E-08
214	487527.14, 3857078.23	1.03E-06	1.86E-08	-1.01E-06	4.34E-08	7.81E-10	-4.26E-08	6.50E-08	1.17E-09	-6.38E-08
215	487577.14, 3857078.23	1.04E-06	1.86E-08	-1.02E-06	4.36E-08	7.85E-10	-4.28E-08	6.53E-08	1.17E-09	-6.41E-08
216	487627.14, 3857078.23	1.04E-06	1.87E-08	-1.02E-06	4.37E-08	7.87E-10	-4.29E-08	6.54E-08	1.18E-09	-6.43E-08
217	487677.14, 3857078.23	1.05E-06	1.88E-08	-1.03E-06	4.40E-08	7.92E-10	-4.32E-08	6.59E-08	1.19E-09	-6.47E-08
218	487727.14, 3857078.23	1.06E-06	1.90E-08	-1.04E-06	4.44E-08	8.00E-10	-4.36E-08	6.65E-08	1.20E-09	-6.53E-08
219	487777.14, 3857078.23	1.06E-06	1.91E-08	-1.04E-06	4.47E-08	8.04E-10	-4.39E-08	6.69E-08	1.20E-09	-6.57E-08
220	487427.14, 3857128.23	1.05E-06	1.89E-08	-1.03E-06	4.42E-08	7.97E-10	-4.34E-08	6.62E-08	1.19E-09	-6.51E-08
221	487477.14, 3857128.23	1.05E-06	1.90E-08	-1.03E-06	4.43E-08	7.98E-10	-4.35E-08	6.63E-08	1.19E-09	-6.51E-08
222	487527.14, 3857128.23	1.06E-06	1.90E-08	-1.04E-06	4.44E-08	8.00E-10	-4.36E-08	6.65E-08	1.20E-09	-6.53E-08
223	487577.14, 3857128.23	1.06E-06	1.91E-08	-1.04E-06	4.47E-08	8.04E-10	-4.39E-08	6.69E-08	1.20E-09	-6.57E-08
224	487627.14, 3857128.23	1.07E-06	1.92E-08	-1.05E-06	4.49E-08	8.08E-10	-4.41E-08	6.72E-08	1.21E-09	-6.60E-08
225	487677.14, 3857128.23	1.07E-06	1.93E-08	-1.05E-06	4.50E-08	8.11E-10	-4.42E-08	6.74E-08	1.21E-09	-6.62E-08
226	487727.14, 3857128.23	1.08E-06	1.95E-08	-1.07E-06	4.56E-08	8.21E-10	-4.48E-08	6.83E-08	1.23E-09	-6.71E-08
227	487777.14, 3857128.23	1.09E-06	1.96E-08	-1.07E-06	4.58E-08	8.25E-10	-4.50E-08	6.86E-08	1.23E-09	-6.74E-08
228	488049.44, 3856539.39	1.02E-06	1.84E-08	-1.01E-06	4.31E-08	7.76E-10	-4.23E-08	6.45E-08	1.16E-09	-6.34E-08
229	488099.44, 3856539.39	1.03E-06	1.85E-08	-1.01E-06	4.32E-08	7.77E-10	-4.24E-08	6.46E-08	1.16E-09	-6.35E-08
230	488149.44, 3856539.39	1.03E-06	1.85E-08	-1.01E-06	4.33E-08	7.80E-10	-4.26E-08	6.49E-08	1.17E-09	-6.37E-08
231	488049.44, 3856589.39	1.04E-06	1.88E-08	-1.03E-06	4.39E-08	7.91E-10	-4.32E-08	6.58E-08	1.18E-09	-6.46E-08
232	488099.44, 3856589.39	1.05E-06	1.89E-08	-1.03E-06	4.42E-08	7.95E-10	-4.34E-08	6.62E-08	1.19E-09	-6.50E-08
233	488149.44, 3856589.39	1.06E-06	1.90E-08	-1.04E-06	4.44E-08	8.00E-10	-4.36E-08	6.65E-08	1.20E-09	-6.53E-08
234	488199.44, 3856589.39	1.06E-06	1.90E-08	-1.04E-06	4.44E-08	8.00E-10	-4.36E-08	6.65E-08	1.20E-09	-6.53E-08
235	488249.44, 3856589.39	1.07E-06	1.93E-08	-1.05E-06	4.51E-08	8.12E-10	-4.43E-08	6.75E-08	1.22E-09	-6.63E-08
236	488049.44, 3856639.39	1.06E-06	1.91E-08	-1.04E-06	4.45E-08	8.02E-10	-4.37E-08	6.67E-08	1.20E-09	-6.55E-08
237	488099.44, 3856639.39	1.07E-06	1.92E-08	-1.05E-06	4.49E-08	8.08E-10	-4.41E-08	6.72E-08	1.21E-09	-6.60E-08
238	488149.44, 3856639.39	1.08E-06	1.94E-08	-1.06E-06	4.53E-08	8.15E-10	-4.45E-08	6.78E-08	1.22E-09	-6.66E-08
239	488199.44, 3856639.39	1.09E-06	1.96E-08	-1.07E-06	4.57E-08	8.24E-10	-4.49E-08	6.85E-08	1.23E-09	-6.73E-08
240	488249.44, 3856639.39	1.10E-06	1.97E-08	-1.08E-06	4.61E-08	8.30E-10	-4.53E-08	6.90E-08	1.24E-09	-6.78E-08
241	488299.44, 3856639.39	1.10E-06	1.98E-08	-1.08E-06	4.64E-08	8.35E-10	-4.55E-08	6.94E-08	1.25E-09	-6.82E-08
242	488349.44, 3856639.39	1.10E-06	1.99E-08	-1.08E-06	4.64E-08	8.36E-10	-4.56E-08	6.95E-08	1.25E-09	-6.82E-08
243	488399.44, 3856639.39	1.11E-06	2.00E-08	-1.09E-06	4.68E-08	8.43E-10	-4.60E-08	7.01E-08	1.26E-09	-6.89E-08
244	488099.44, 3856689.39	1.08E-06	1.95E-08	-1.07E-06	4.56E-08	8.21E-10	-4.48E-08	6.83E-08	1.23E-09	-6.71E-08
245	488149.44, 3856689.39	1.09E-06	1.97E-08	-1.07E-06	4.61E-08	8.29E-10	-4.52E-08	6.90E-08	1.24E-09	-6.77E-08
246	488199.44, 3856689.39	1.11E-06	2.00E-08	-1.09E-06	4.67E-08	8.40E-10	-4.58E-08	6.99E-08	1.26E-09	-6.86E-08
247	488249.44, 3856689.39	1.11E-06	2.01E-08	-1.09E-06	4.69E-08	8.44E-10	-4.61E-08	7.02E-08	1.26E-09	-6.90E-08
248	488299.44, 3856689.39	1.13E-06	2.04E-08	-1.11E-06	4.76E-08	8.56E-10	-4.67E-08	7.12E-08	1.28E-09	-6.99E-08
249	488349.44, 3856689.39	1.13E-06	2.04E-08	-1.11E-06	4.77E-08	8.59E-10	-4.69E-08	7.15E-08	1.29E-09	-7.02E-08
250	488399.44, 3856689.39	1.13E-06	2.03E-08	-1.11E-06	4.74E-08	8.54E-10	-4.66E-08	7.10E-08	1.28E-09	-6.98E-08
251	488099.44, 3856739.39	1.10E-06	1.98E-08	-1.08E-06	4.63E-08	8.33E-10	-4.55E-08	6.93E-08	1.25E-09	-6.81E-08
252	488149.44, 3856739.39	1.11E-06	2.00E-08	-1.09E-06	4.67E-08	8.40E-10	-4.58E-08	6.99E-08	1.26E-09	-6.86E-08
253	488199.44, 3856739.39	1.13E-06	2.04E-08	-1.11E-06	4.76E-08	8.56E-10	-4.67E-08	7.12E-08	1.28E-09	-6.99E-08
254	488249.44, 3856739.39	1.14E-06	2.05E-08	-1.12E-06	4.79E-08	8.63E-10	-4.71E-08	7.18E-08	1.29E-09	-7.05E-08
255	488299.44, 3856739.39	1.14E-06	2.05E-08	-1.12E-06	4.79E-08	8.62E-10	-4.70E-08	7.17E-08	1.29E-09	-7.04E-08
256	488349.44, 3856739.39	1.16E-06	2.09E-08	-1.14E-06	4.89E-08	8.80E-10	-4.80E-08	7.32E-08	1.32E-09	-7.19E-08
257	488399.44, 3856739.39	1.18E-06	2.13E-08	-1.16E-06	4.97E-08	8.95E-10	-4.88E-08	7.45E-08	1.34E-09	-7.31E-08
258	487999.44, 3856789.39	1.06E-06	1.91E-08	-1.04E-06	4.45E-08	8.02E-10	-4.37E-08	6.67E-08	1.20E-09	-6.55E-08
259	488049.44, 3856789.39	1.08E-06	1.94E-08	-1.06E-06	4.53E-08	8.16E-10	-4.45E-08	6.79E-08	1.22E-09	-6.67E-08
260	488099.44, 3856789.39	1.10E-06	1.99E-08	-1.08E-06	4.65E-08	8.37E-10	-4.56E-08	6.96E-08	1.25E-09	-6.83E-08
261	488149.44, 3856789.39	1.12E-06	2.02E-08	-1.10E-06	4.71E-08	8.49E-10	-4.63E-08	7.06E-08	1.27E-09	-6.93E-08
262	488199.44, 3856789.39	1.14E-06	2.05E-08	-1.12E-06	4.80E-08	8.64E-10	-4.71E-08	7.18E-08	1.29E-09	-7.06E-08
263	488249.44, 3856789.39	1.15E-06	2.08E-08	-1.13E-06	4.86E-08	8.75E-10	-4.77E-08	7.27E-08	1.31E-09	-7.14E-08
264	488299.44, 3856789.39	1.16E-06	2.09E-08	-1.14E-06	4.88E-08	8.78E-10	-4.79E-08	7.30E-08	1.31E-09	-7.17E-08
265	488349.44, 3856789.39	1.19E-06	2.14E-08	-1.17E-06	5.00E-08	9.00E-10	-4.91E-08	7.48E-08	1.35E-09	-7.35E-08
266	488399.44, 3856789.39	1.21E-06	2.17E-08	-1.19E-06	5.08E-08	9.15E-10	-4.99E-08	7.61E-08	1.37E-09	-7.47E-08
267	487949.44, 3856839.39	1.04E-06	1.88E-08	-1.02E-06	4.38E-08	7.89E-10	-4.30E-08	6.56E-08	1.18E-09	-6.44E-08
268	487999.44, 3856839.39	1.06E-06	1.91E-08	-1.04E-06	4.47E-08	8.04E-10	-4.39E-08	6.69E-08	1.20E-09	-6.57E-08
269	488049.44, 3856839.39	1.08E-06	1.95E-08	-1.06E-06	4.55E-08	8.19E-10	-4.47E-08	6.81E-08	1.23E-09	-6.69E-08
270	488099.44, 3856839.39	1.10E-06	1.99E-08	-1.08E-06	4.65E-08	8.37E-10	-4.56E-08	6.96E-08	1.25E-09	-6.83E-08
271	488149.44, 3856839.39	1.13E-06	2.03E-08	-1.11E-06	4.75E-08	8.55E-10	-4.66E-08	7.11E-08	1.28E-09	-6.98E-08
272	488199.44, 3856839.39	1.15E-06	2.07E-08	-1.13E-06	4.85E-08	8.72E-10	-4.76E-08	7.26E-08	1.31E-09	-7.13E-08
273	487949.44, 3856889.39	1.04E-06	1.88E-08	-1.03E-06	4.39E-08	7.91E-10	-4.32E-08	6.58E-08	1.18E-09	-6.46E-08
274	487999.44, 3856889.39	1.07E-06	1.93E-08	-1.05E-06	4.50E-08	8.11E-10	-4.42E-08	6.74E-08	1.21E-09	-6.62E-08
275	488049.44, 3856889.39	1.08E-06	1.95E-08	-1.06E-06	4.56E-08	8.20E-10	-4.47E-08	6.82E-08	1.23E-09	-6.70E-08
276	488099.44, 3856889.39	1.11E-06	2.00E-08	-1.09E-06	4.67E-08	8.41E-10	-4.59E-08	6.99E-08	1.26E-09	-6.87E-08
277	488635.86, 3857895.05	1.85E-06	3.32E-08	-1.81E-06	7.77E-08	1.40E-09	-7.63E-08	1.16E-07	2.09E-09	-1.14E-07
278	489137.64, 3857804.15	1.85E-06	3.34E-08	-1.82E-06	7.80E-08	1.40E-09	-7.66E-08	1.17E-07	2.10E-09	-1.15E-07
279	488617.32, 3857859.41	1.82E-06	3.27E-08	-1.78E-06	7.64E-08	1.38E-09	-7.51E-08	1.14E-07	2.06E-09	-1.12E-07
280	488667.32, 3857859.41	1.82E-06	3.27E-08	-1.79E-06	7.65E-08	1.38E-09	-7.51E-08	1.15E-07	2.06E-09	-1.12E-07
281	488717.32, 3857859.41	1.82E-06	3.28E-08	-1.79E-06	7.66E-08	1.38E-09	-7.52E-08	1.15E-07	2.07E-09	-1.13E-07
282	488767.32, 3857859.41	1.85E-06	3.33E-08	-1.82E-06	7.78E-08	1.40E-09	-7.64E-08	1.17E-07	2.10E-09	-1.14E-07
283	488617.32, 3857909.41	1.85E-06	3.34E-08	-1.82E-06	7.79E-08	1.40E-09	-7.65E-08	1.17E-07	2.10E-09	-1.15E-07
284	488667.32, 3857909.41	1.89E-06	3.40E-08	-1.85E-06	7.94E-08	1.43E-09	-7.80E-08	1.19E-07	2.14E-09	-1.17E-07
285	488717.32, 3857909.41	1.86E-06	3.35E-08	-1.83E-06	7.84E-08	1.41E-09	-7.69E-08	1.17E-07	2.11E-09	-1.15E-07
286	488767.32, 3857909.41	1.89E-06	3.39E-08	-1.85E-06	7.93E-08	1.43E-09	-7.79E-08	1.19E-07	2.14E-09	-1.17E-07
287	488417.32, 3857959.41	1.82E-06	3.27E-08	-1.79E-06	7.65E-08	1.38E-09	-7.51E-08	1.15E-07	2.06E-09	-1.12E-07
288	488467.32, 3857959.41	1.84E-06	3.31E-08	-1.81E-06	7.75E-08	1.39E-09	-7.61E-08	1.16E-07	2.09E-09	-1.14E-07
289	488517.32, 3857959.41	1.87E-06	3.36E-08	-1.83E-06	7.85E-08	1.41E-09	-7.71E-08	1.18E-07	2.12E-09	-1.15E-07
290	488567.32, 3857959.41	1.89E-06	3.40E-08	-1.86E-06	7.95E-08	1.43E-09	-7.81E-08	1.19E-07	2.14E-09	-1.17E-07
291	488617.32, 3857959.41	1.90E-06	3.42E-08	-1.86E-06	7.99E-08	1.44E-09	-7.84E-08	1.20E-07	2.15E-09	-1.17E-07
292	488667.32, 3857959.41	1.90E-06	3.43E-08	-1.87E-06	8.01E-08	1.44E-09	-7.87E-08	1.20E-07	2.16E-09	-1.18E-07
293	488717.32, 3857959.41	1.92E-06	3.46E-08	-1.89E-06	8.09E-08	1.46E-09	-7.94E-08	1.21E-07	2.18E-09	-1.19E-07
294	488767.32, 3857959.41	1.93E-06	3.47E-08	-1.89E-06	8.11E-08	1.46E-09	-7.97E-08	1.21E-07	2.19E-09	-1.19E-07
295	488417.32, 3858009.41	1.84E-06	3.32E-08	-1.81E-06	7.76E-08	1.40E-09	-7.62E-08	1.16E-07	2.09E-09	-1.14E-07
296	488467.32, 3858009.41	1.88E-06	3.38E-08	-1.84E-06	7.90E-08	1.42E-09	-7.75E-08	1.18E-07	2.13E-09	-1.16E-07
297	488517.32, 3858009.41	1.90E-06	3.43E-08	-1.87E-06	8.01E-08	1.44E-09	-7.87E-08	1.20E-07	2.16E-09	-1.18E-07
298	488567.32, 3858009.41	1.94E-06	3.48E-08	-1.90E-06	8.14E-08	1.47E-09	-8.00E-08	1.22E-07	2.20E-09	-1.20E-07
299	488617.32, 3858009.41	1.94E-06	3.49E-08	-1.90E-06	8.16E-08	1.47E-09	-8.01E-08	1.22E-07	2.20E-09	-1.20E-07
300	488667.32, 3858009.41	1.94E-06	3.50E-08	-1.91E-06	8.17E-08	1.47E-09	-8.02E-08	1.22E-07	2.20E-09	-1.20E-07
301	488717.32, 3858009.41	1.95E-06	3.52E-08	-1.92E-06	8.22E-08	1.48E-09	-8.07E-08	1.23E-07	2.22E-09	-1.21E-07
302	488767.32, 3858009.41	1.97E-06	3.54E-08	-1.93E-06	8.27E-08	1.49E-09	-8.12E-08	1.24E-07	2.23E-09	-1.22E-07
303	488417.32, 3858059.41	1.88E-06	3.38E-08	-1.84E-06	7.90E-08	1.42E-09	-7.76E-08	1.18E-07	2.13E-09	-1.16E-07
304	488467.32, 3858059.41	1.91E-06	3.45E-08	-1.88E-06	8.05E-08	1.45E-09	-7.91E-08	1.21E-07	2.17E-09	-1.18E-07
305	488517.32, 3858059.41	1.94E-06	3.50E-08	-1.91E-06	8.17E-08	1.47E-09	-8.03E-08	1.22E-07	2.20E-09	-1.20E-07
306	488567.32, 3858059.41	1.97E-06	3.55E-08	-1.94E-06	8.30E-08	1.49E-09	-8.15E-08	1.24E-07	2.24E-09	-1.22E-07
307	488617.32, 3858059.41	2.00E-06	3.59E-08	-1.96E-06	8.40E-08	1.51E-09	-8.25E-08	1.26E-07	2.26E-09	-1.23E-07
308	488667.32, 3858059.41	2.00E-06	3.60E-08	-1.96E-06	8.40E-08	1.51E-09	-8.25E-08	1.26E-07	2.27E-09	-1.24E-07
309	488417.32, 3858109.41	1.88E-06	3.38E-08	-1.84E-06	7.89E-08	1.42E-09	-7.75E-08	1.18E-07	2.13E-09	-1.16E-07
310	488467.32, 3858109.41	1.92E-06	3.46E-08	-1.89E-06	8.10E-08	1.46E-09	-7.95E-08	1.21E-07	2.18E-09	-1.19E-07
311	488517.32, 3858109.41	1.97E-06	3.55E-08	-1.93E-06	8.29E-08	1.49E-09	-8.14E-08	1.24E-07	2.23E-09	-1.22E-07
312	488567.32, 3858109.41	2.00E-06	3.60E-08	-1.97E-06	8.42E-08	1.52E-09	-8.27E-08	1.26E-07	2.27E-09	-1.24E-07
313	488617.32, 3858109.41	2.04E-06	3.67E-08	-2.00E-06	8.57E-08	1.54E-09	-8.41E-08	1.28E-07	2.31E-09	-1.26E-07
314	488667.32, 3858109.41	2.04E-06	3.67E-08	-2.00E-06	8.57E-08	1.54E-09	-8.42E-08	1.28E-07	2.31E-09	-1.26E-07
315	488769.93, 3858449.27	2.19E-06	3.95E-08	-2.16E-06	9.23E-08	1.66E-09	-9.07E-08	1.38E-07	2.49E-09	-1.36E-07
316	488819.93, 3858449.27	2.20E-06	3.96E-08	-2.16E-06	9.26E-08	1.67E-09	-9.09E-08	1.39E-07	2.50E-09	-1.36E-07
317	488819.93, 3858499.27	2.23E-06	4.01E-08	-2.19E-06	9.37E-08	1.69E-09	-9.20E-08	1.40E-07	2.53E-09	-1.38E-07

318	488869.93, 3858499.27	2.23E-06	4.01E-08	-2.19E-06	9.37E-08	1.69E-09	-9.20E-08	1.40E-07	2.53E-09	-1.38E-07
319	488869.93, 3858549.27	2.25E-06	4.05E-08	-2.21E-06	9.48E-08	1.71E-09	-9.30E-08	1.42E-07	2.55E-09	-1.39E-07
320	489438.17, 3859571.48	3.32E-06	5.98E-08	-3.26E-06	1.40E-07	2.52E-09	-1.37E-07	2.09E-07	3.77E-09	-2.06E-07
321	489488.17, 3859571.48	3.38E-06	6.08E-08	-3.32E-06	1.42E-07	2.56E-09	-1.40E-07	2.13E-07	3.83E-09	-2.09E-07
322	489538.17, 3859571.48	3.43E-06	6.18E-08	-3.37E-06	1.44E-07	2.60E-09	-1.42E-07	2.16E-07	3.89E-09	-2.12E-07
323	489588.17, 3859571.48	3.52E-06	6.33E-08	-3.45E-06	1.48E-07	2.66E-09	-1.45E-07	2.21E-07	3.99E-09	-2.18E-07
324	489438.17, 3859621.48	3.28E-06	5.90E-08	-3.22E-06	1.38E-07	2.48E-09	-1.35E-07	2.06E-07	3.71E-09	-2.03E-07
325	489488.17, 3859621.48	3.35E-06	6.03E-08	-3.29E-06	1.41E-07	2.54E-09	-1.38E-07	2.11E-07	3.80E-09	-2.07E-07
326	489538.17, 3859621.48	3.42E-06	6.15E-08	-3.35E-06	1.44E-07	2.59E-09	-1.41E-07	2.15E-07	3.87E-09	-2.11E-07
327	489588.17, 3859621.48	3.45E-06	6.20E-08	-3.38E-06	1.45E-07	2.61E-09	-1.42E-07	2.17E-07	3.91E-09	-2.13E-07
328	489238.17, 3859671.48	2.98E-06	5.36E-08	-2.92E-06	1.25E-07	2.26E-09	-1.23E-07	1.88E-07	3.38E-09	-1.84E-07
329	489288.17, 3859671.48	3.04E-06	5.47E-08	-2.99E-06	1.28E-07	2.30E-09	-1.26E-07	1.92E-07	3.45E-09	-1.88E-07
330	489338.17, 3859671.48	3.09E-06	5.56E-08	-3.03E-06	1.30E-07	2.34E-09	-1.28E-07	1.95E-07	3.50E-09	-1.91E-07
331	489388.17, 3859671.48	3.11E-06	5.60E-08	-3.05E-06	1.31E-07	2.36E-09	-1.29E-07	1.96E-07	3.53E-09	-1.92E-07
332	489438.17, 3859671.48	3.19E-06	5.75E-08	-3.14E-06	1.34E-07	2.42E-09	-1.32E-07	2.01E-07	3.62E-09	-1.98E-07
333	489488.17, 3859671.48	3.22E-06	5.80E-08	-3.17E-06	1.36E-07	2.44E-09	-1.33E-07	2.03E-07	3.66E-09	-1.99E-07
334	489538.17, 3859671.48	3.28E-06	5.91E-08	-3.22E-06	1.38E-07	2.49E-09	-1.36E-07	2.07E-07	3.72E-09	-2.03E-07
335	489588.17, 3859671.48	3.33E-06	5.99E-08	-3.27E-06	1.40E-07	2.52E-09	-1.37E-07	2.10E-07	3.77E-09	-2.06E-07
336	489238.17, 3859721.48	2.95E-06	5.31E-08	-2.90E-06	1.24E-07	2.23E-09	-1.22E-07	1.86E-07	3.35E-09	-1.82E-07
337	489288.17, 3859721.48	2.95E-06	5.31E-08	-2.89E-06	1.24E-07	2.23E-09	-1.22E-07	1.86E-07	3.34E-09	-1.82E-07
338	489338.17, 3859721.48	2.98E-06	5.37E-08	-2.93E-06	1.25E-07	2.26E-09	-1.23E-07	1.88E-07	3.38E-09	-1.85E-07
339	489388.17, 3859721.48	3.03E-06	5.46E-08	-2.98E-06	1.27E-07	2.30E-09	-1.25E-07	1.91E-07	3.44E-09	-1.87E-07
340	489438.17, 3859721.48	3.10E-06	5.58E-08	-3.04E-06	1.30E-07	2.35E-09	-1.28E-07	1.95E-07	3.51E-09	-1.92E-07
341	489488.17, 3859721.48	3.11E-06	5.59E-08	-3.05E-06	1.31E-07	2.35E-09	-1.28E-07	1.96E-07	3.52E-09	-1.92E-07
342	489538.17, 3859721.48	3.15E-06	5.66E-08	-3.09E-06	1.32E-07	2.38E-09	-1.30E-07	1.98E-07	3.57E-09	-1.95E-07
343	489588.17, 3859721.48	3.19E-06	5.75E-08	-3.13E-06	1.34E-07	2.42E-09	-1.32E-07	2.01E-07	3.62E-09	-1.97E-07
344	489238.17, 3859771.48	2.96E-06	5.33E-08	-2.91E-06	1.25E-07	2.24E-09	-1.22E-07	1.86E-07	3.36E-09	-1.83E-07
345	489288.17, 3859771.48	2.94E-06	5.29E-08	-2.89E-06	1.24E-07	2.23E-09	-1.21E-07	1.85E-07	3.33E-09	-1.82E-07
346	489338.17, 3859771.48	2.98E-06	5.36E-08	-2.92E-06	1.25E-07	2.26E-09	-1.23E-07	1.88E-07	3.38E-09	-1.84E-07
347	489388.17, 3859771.48	2.99E-06	5.39E-08	-2.94E-06	1.26E-07	2.27E-09	-1.24E-07	1.89E-07	3.40E-09	-1.85E-07
348	489438.17, 3859771.48	3.05E-06	5.49E-08	-2.99E-06	1.28E-07	2.31E-09	-1.26E-07	1.92E-07	3.46E-09	-1.89E-07
349	489488.17, 3859771.48	3.02E-06	5.43E-08	-2.96E-06	1.27E-07	2.29E-09	-1.25E-07	1.90E-07	3.42E-09	-1.87E-07
350	489538.17, 3859771.48	3.02E-06	5.43E-08	-2.96E-06	1.27E-07	2.28E-09	-1.25E-07	1.90E-07	3.42E-09	-1.87E-07
351	489588.17, 3859771.48	3.07E-06	5.54E-08	-3.02E-06	1.29E-07	2.33E-09	-1.27E-07	1.94E-07	3.49E-09	-1.90E-07
352	489238.17, 3859821.48	3.03E-06	5.45E-08	-2.97E-06	1.27E-07	2.29E-09	-1.25E-07	1.91E-07	3.44E-09	-1.87E-07
353	489288.17, 3859821.48	2.99E-06	5.38E-08	-2.94E-06	1.26E-07	2.26E-09	-1.24E-07	1.88E-07	3.39E-09	-1.85E-07
354	489338.17, 3859821.48	3.00E-06	5.40E-08	-2.95E-06	1.26E-07	2.27E-09	-1.24E-07	1.89E-07	3.40E-09	-1.86E-07
355	489388.17, 3859821.48	3.01E-06	5.41E-08	-2.95E-06	1.27E-07	2.28E-09	-1.24E-07	1.89E-07	3.41E-09	-1.86E-07
356	489438.17, 3859821.48	2.97E-06	5.35E-08	-2.92E-06	1.25E-07	2.25E-09	-1.23E-07	1.87E-07	3.37E-09	-1.84E-07
357	489488.17, 3859821.48	2.95E-06	5.31E-08	-2.90E-06	1.24E-07	2.24E-09	-1.22E-07	1.86E-07	3.35E-09	-1.83E-07
358	489538.17, 3859821.48	2.93E-06	5.28E-08	-2.88E-06	1.23E-07	2.22E-09	-1.21E-07	1.85E-07	3.33E-09	-1.81E-07
359	489588.17, 3859821.48	2.97E-06	5.34E-08	-2.92E-06	1.25E-07	2.25E-09	-1.23E-07	1.87E-07	3.37E-09	-1.84E-07
360	489238.17, 3859871.48	3.10E-06	5.58E-08	-3.05E-06	1.30E-07	2.35E-09	-1.28E-07	1.95E-07	3.52E-09	-1.92E-07
361	489288.17, 3859871.48	3.08E-06	5.55E-08	-3.03E-06	1.30E-07	2.34E-09	-1.27E-07	1.94E-07	3.50E-09	-1.91E-07
362	489338.17, 3859871.48	3.07E-06	5.53E-08	-3.02E-06	1.29E-07	2.33E-09	-1.27E-07	1.93E-07	3.48E-09	-1.90E-07
363	489388.17, 3859871.48	3.03E-06	5.45E-08	-2.97E-06	1.27E-07	2.29E-09	-1.25E-07	1.91E-07	3.43E-09	-1.87E-07
364	489438.17, 3859871.48	2.94E-06	5.30E-08	-2.89E-06	1.24E-07	2.23E-09	-1.22E-07	1.85E-07	3.34E-09	-1.82E-07
365	489488.17, 3859871.48	2.84E-06	5.12E-08	-2.79E-06	1.20E-07	2.15E-09	-1.17E-07	1.79E-07	3.22E-09	-1.76E-07
366	489538.17, 3859871.48	2.88E-06	5.18E-08	-2.83E-06	1.21E-07	2.18E-09	-1.19E-07	1.81E-07	3.26E-09	-1.78E-07
367	489588.17, 3859871.48	2.88E-06	5.18E-08	-2.83E-06	1.21E-07	2.18E-09	-1.19E-07	1.81E-07	3.26E-09	-1.78E-07
368	489238.17, 3859921.48	3.16E-06	5.69E-08	-3.10E-06	1.33E-07	2.39E-09	-1.30E-07	1.99E-07	3.58E-09	-1.95E-07
369	489288.17, 3859921.48	3.11E-06	5.59E-08	-3.05E-06	1.31E-07	2.35E-09	-1.28E-07	1.96E-07	3.52E-09	-1.92E-07
370	489338.17, 3859921.48	3.08E-06	5.55E-08	-3.03E-06	1.30E-07	2.34E-09	-1.27E-07	1.94E-07	3.50E-09	-1.91E-07
371	489388.17, 3859921.48	3.01E-06	5.42E-08	-2.96E-06	1.27E-07	2.28E-09	-1.24E-07	1.90E-07	3.42E-09	-1.86E-07
372	489438.17, 3859921.48	2.89E-06	5.21E-08	-2.84E-06	1.22E-07	2.19E-09	-1.19E-07	1.82E-07	3.28E-09	-1.79E-07
373	489488.17, 3859921.48	2.85E-06	5.14E-08	-2.80E-06	1.20E-07	2.16E-09	-1.18E-07	1.80E-07	3.24E-09	-1.76E-07
374	489538.17, 3859921.48	2.85E-06	5.13E-08	-2.80E-06	1.20E-07	2.16E-09	-1.18E-07	1.80E-07	3.23E-09	-1.76E-07
375	489588.17, 3859921.48	2.72E-06	4.90E-08	-2.67E-06	1.15E-07	2.06E-09	-1.12E-07	1.71E-07	3.09E-09	-1.68E-07
376	489238.17, 3859971.48	3.20E-06	5.76E-08	-3.14E-06	1.35E-07	2.42E-09	-1.32E-07	2.02E-07	3.63E-09	-1.98E-07
377	489288.17, 3859971.48	3.18E-06	5.72E-08	-3.12E-06	1.34E-07	2.41E-09	-1.31E-07	2.00E-07	3.60E-09	-1.96E-07
378	489338.17, 3859971.48	3.12E-06	5.62E-08	-3.06E-06	1.31E-07	2.36E-09	-1.29E-07	1.96E-07	3.54E-09	-1.93E-07
379	489388.17, 3859971.48	3.01E-06	5.41E-08	-2.95E-06	1.27E-07	2.28E-09	-1.24E-07	1.89E-07	3.41E-09	-1.86E-07
380	489438.17, 3859971.48	2.86E-06	5.14E-08	-2.81E-06	1.20E-07	2.16E-09	-1.18E-07	1.80E-07	3.24E-09	-1.77E-07
381	489488.17, 3859971.48	2.68E-06	4.83E-08	-2.64E-06	1.13E-07	2.03E-09	-1.11E-07	1.69E-07	3.04E-09	-1.66E-07
382	489538.17, 3859971.48	2.60E-06	4.67E-08	-2.55E-06	1.09E-07	1.97E-09	-1.07E-07	1.64E-07	2.94E-09	-1.61E-07
383	489588.17, 3859971.48	2.54E-06	4.58E-08	-2.50E-06	1.07E-07	1.93E-09	-1.05E-07	1.60E-07	2.88E-09	-1.57E-07
384	483577.7, 3854071	5.95E-07	1.07E-08	-5.84E-07	2.50E-08	4.50E-10	-2.46E-08	3.75E-08	6.74E-10	-3.68E-08
385	483627.7, 3854071	5.92E-07	1.07E-08	-5.81E-07	2.49E-08	4.48E-10	-2.44E-08	3.73E-08	6.71E-10	-3.66E-08
386	483677.7, 3854071	5.86E-07	1.06E-08	-5.75E-07	2.47E-08	4.44E-10	-2.42E-08	3.69E-08	6.65E-10	-3.63E-08
387	483727.7, 3854071	5.79E-07	1.04E-08	-5.68E-07	2.44E-08	4.38E-10	-2.39E-08	3.65E-08	6.56E-10	-3.58E-08
388	483777.7, 3854071	5.66E-07	1.02E-08	-5.56E-07	2.38E-08	4.29E-10	-2.34E-08	3.57E-08	6.42E-10	-3.50E-08
389	483577.7, 3854121	5.87E-07	1.06E-08	-5.77E-07	2.47E-08	4.45E-10	-2.43E-08	3.70E-08	6.66E-10	-3.63E-08
390	483627.7, 3854121	5.79E-07	1.04E-08	-5.68E-07	2.44E-08	4.38E-10	-2.39E-08	3.65E-08	6.56E-10	-3.58E-08
391	483677.7, 3854121	5.66E-07	1.02E-08	-5.56E-07	2.38E-08	4.29E-10	-2.34E-08	3.57E-08	6.42E-10	-3.50E-08
392	483727.7, 3854121	5.52E-07	9.93E-09	-5.42E-07	2.32E-08	4.18E-10	-2.28E-08	3.47E-08	6.26E-10	-3.41E-08
393	483777.7, 3854121	5.46E-07	9.83E-09	-5.36E-07	2.30E-08	4.13E-10	-2.26E-08	3.44E-08	6.19E-10	-3.38E-08
394	483577.7, 3854171	5.67E-07	1.02E-08	-5.57E-07	2.39E-08	4.30E-10	-2.34E-08	3.57E-08	6.43E-10	-3.51E-08
395	483627.7, 3854171	5.52E-07	9.93E-09	-5.42E-07	2.32E-08	4.18E-10	-2.28E-08	3.47E-08	6.26E-10	-3.41E-08
396	483677.7, 3854171	5.42E-07	9.75E-09	-5.32E-07	2.28E-08	4.10E-10	-2.24E-08	3.41E-08	6.14E-10	-3.35E-08
397	483727.7, 3854171	5.34E-07	9.62E-09	-5.25E-07	2.25E-08	4.05E-10	-2.21E-08	3.37E-08	6.06E-10	-3.31E-08
398	483777.7, 3854171	5.26E-07	9.47E-09	-5.16E-07	2.21E-08	3.98E-10	-2.17E-08	3.31E-08	5.96E-10	-3.25E-08
399	483827.7, 3854171	5.11E-07	9.21E-09	-5.02E-07	2.15E-08	3.87E-10	-2.11E-08	3.22E-08	5.80E-10	-3.16E-08
400	483877.7, 3854171	5.06E-07	9.11E-09	-4.97E-07	2.13E-08	3.83E-10	-2.09E-08	3.19E-08	5.74E-10	-3.13E-08
401	483727.7, 3854221	5.20E-07	9.36E-09	-5.11E-07	2.19E-08	3.94E-10	-2.15E-08	3.28E-08	5.90E-10	-3.22E-08
402	483777.7, 3854221	5.11E-07	9.21E-09	-5.02E-07	2.15E-08	3.87E-10	-2.11E-08	3.22E-08	5.80E-10	-3.16E-08
403	483827.7, 3854221	5.11E-07	9.21E-09	-5.02E-07	2.15E-08	3.87E-10	-2.11E-08	3.22E-08	5.80E-10	-3.16E-08
404	483877.7, 3854221	5.01E-07	9.03E-09	-4.92E-07	2.11E-08	3.80E-10	-2.07E-08	3.16E-08	5.69E-10	-3.10E-08
405	489150.19, 3858726.45	2.29E-06	4.11E-08	-2.24E-06	9.61E-08	1.73E-09	-9.44E-08	1.44E-07	2.59E-09	-1.41E-07
406	489200.19, 3858726.45	2.29E-06	4.12E-08	-2.25E-06	9.64E-08	1.74E-09	-9.46E-08	1.44E-07	2.60E-09	-1.42E-07
407	489150.19, 3858776.45	2.34E-06	4.21E-08	-2.29E-06	9.83E-08	1.77E-09	-9.65E-08	1.47E-07	2.65E-09	-1.45E-07
408	489200.19, 3858776.45	2.31E-06	4.17E-08	-2.27E-06	9.73E-08	1.75E-09	-9.56E-08	1.46E-07	2.62E-09	-1.43E-07
409	488919.6, 3856400.76	1.02E-06	1.83E-08	-9.98E-07	4.27E-08	7.69E-10	-4.20E-08	6.40E-08	1.15E-09	-6.28E-08
410	488919.6, 3856450.76	1.04E-06	1.86E-08	-1.02E-06	4.36E-08	7.85E-10	-4.28E-08	6.53E-08	1.17E-09	-6.41E-08
411	488969.6, 3856450.76	1.04E-06	1.87E-08	-1.02E-06	4.37E-08	7.87E-10	-4.29E-08	6.54E-08	1.18E-09	-6.43E-08
412	488919.6, 3856500.76	1.06E-06	1.90E-08	-1.04E-06	4.44E-08	8.00E-10	-4.36E-08	6.65E-08	1.20E-09	-6.53E-08
413	488969.6, 3856500.76	1.06E-06	1.92E-08	-1.05E-06	4.48E-08	8.06E-10	-4.40E-08	6.71E-08	1.21E-09	-6.59E-08
414	488919.6, 3856550.76	1.08E-06	1.95E-08	-1.06E-06	4.56E-08	8.20E-10	-4.47E-08	6.82E-08	1.23E-09	-6.70E-08
415	488969.6, 3856550.76	1.09E-06	1.96E-08	-1.07E-06	4.57E-08	8.24E-10	-4.49E-08	6.85E-08	1.23E-09	-6.73E-08
416	488819.6, 3856600.76	1.09E-06	1.97E-08	-1.07E-06	4.59E-08	8.27E-10	-4.51E-08	6.88E-08	1.24E-09	-6.75E-08
417	488869.6, 3856600.76	1.10E-06	1.97E-08	-1.08E-06	4.61E-08	8.30E-10	-4.53E-08	6.90E-08	1.24E-09	-6.78E-08
418	488919.6, 3856600.76	1.10E-06	1.99E-08	-1.08E-06	4.65E-08	8.37E-10	-4.56E-08	6.96E-08	1.25E-09	-6.83E-08
419	488819.6, 3856650.76	1.12E-06	2.01E-08	-1.10E-06	4.71E-08	8.48E-10	-4.62E-08	7.05E-08	1.27E-09	-6.92E-08
420	488869.6, 3856650.76	1.12E-06	2.02E-08	-1.10E-06	4.72E-08	8.50E-10	-4.63E-08	7.07E-08	1.27E-09	-6.94E-08
421	488819.6, 3856700.76	1.15E-06	2.07E-08	-1.13E-06	4.85E-08	8.72E-10	-4.76E-08	7.26E-08	1.31E-09	-7.13E-08
422	488869.6, 3856700.76	1.15E-06	2.07E-08	-1.13E-06	4.84E-08	8.71E-10	-4.75E-08	7.25E-08	1.30E-09	-7.12E-08
423	488819.6, 3856750.76	1.18E-06	2.13E-08	-1.16E-06	4.97E-08	8.95E-10	-4.88E-08	7.45E-08	1.34E-09	-7.31E-08
424	488869.6, 3856750.76	1.18E-06	2.13E-08	-1.16E-06	4.98E-08	8.97E-10	-4.90E-08	7.46E-08	1.34E-09	-7.33E-08

425	488819.6, 3857050.76	1.42E-06	2.55E-08	-1.39E-06	5.96E-08	1.07E-09	-5.85E-08	8.92E-08	1.61E-09	-8.76E-08
426	488869.6, 3857050.76	1.43E-06	2.57E-08	-1.40E-06	6.01E-08	1.08E-09	-5.90E-08	9.00E-08	1.62E-09	-8.84E-08
427	488919.6, 3857050.76	1.43E-06	2.58E-08	-1.41E-06	6.03E-08	1.09E-09	-5.92E-08	9.03E-08	1.62E-09	-8.86E-08
428	488819.6, 3857100.76	1.45E-06	2.60E-08	-1.42E-06	6.08E-08	1.09E-09	-5.97E-08	9.11E-08	1.64E-09	-8.94E-08
429	488869.6, 3857100.76	1.46E-06	2.62E-08	-1.43E-06	6.13E-08	1.10E-09	-6.02E-08	9.18E-08	1.65E-09	-9.01E-08
430	488919.6, 3857100.76	1.47E-06	2.65E-08	-1.44E-06	6.19E-08	1.11E-09	-6.08E-08	9.27E-08	1.67E-09	-9.10E-08
431	488819.6, 3857150.76	1.47E-06	2.65E-08	-1.44E-06	6.19E-08	1.11E-09	-6.08E-08	9.27E-08	1.67E-09	-9.10E-08
432	488869.6, 3857150.76	1.49E-06	2.68E-08	-1.46E-06	6.27E-08	1.13E-09	-6.16E-08	9.39E-08	1.69E-09	-9.22E-08
433	488919.6, 3857150.76	1.50E-06	2.71E-08	-1.48E-06	6.32E-08	1.14E-09	-6.21E-08	9.47E-08	1.70E-09	-9.30E-08
434	488969.6, 3857150.76	1.51E-06	2.72E-08	-1.49E-06	6.37E-08	1.15E-09	-6.25E-08	9.53E-08	1.72E-09	-9.36E-08
435	488819.6, 3857200.76	1.49E-06	2.69E-08	-1.47E-06	6.29E-08	1.13E-09	-6.17E-08	9.41E-08	1.69E-09	-9.24E-08
436	488869.6, 3857200.76	1.52E-06	2.73E-08	-1.49E-06	6.38E-08	1.15E-09	-6.27E-08	9.56E-08	1.72E-09	-9.39E-08
437	488919.6, 3857200.76	1.54E-06	2.77E-08	-1.51E-06	6.46E-08	1.16E-09	-6.35E-08	9.68E-08	1.74E-09	-9.50E-08
438	488969.6, 3857200.76	1.55E-06	2.78E-08	-1.52E-06	6.50E-08	1.17E-09	-6.39E-08	9.74E-08	1.75E-09	-9.56E-08
439	488819.6, 3857250.76	1.51E-06	2.72E-08	-1.48E-06	6.35E-08	1.14E-09	-6.24E-08	9.51E-08	1.71E-09	-9.34E-08
440	488869.6, 3857250.76	1.53E-06	2.76E-08	-1.51E-06	6.46E-08	1.16E-09	-6.34E-08	9.67E-08	1.74E-09	-9.49E-08
441	488919.6, 3857250.76	1.56E-06	2.80E-08	-1.53E-06	6.55E-08	1.18E-09	-6.43E-08	9.80E-08	1.76E-09	-9.63E-08
442	488969.6, 3857250.76	1.57E-06	2.83E-08	-1.55E-06	6.62E-08	1.19E-09	-6.51E-08	9.92E-08	1.79E-09	-9.74E-08
443	488819.6, 3857300.76	1.53E-06	2.75E-08	-1.50E-06	6.43E-08	1.16E-09	-6.32E-08	9.63E-08	1.73E-09	-9.46E-08
444	488869.6, 3857300.76	1.55E-06	2.80E-08	-1.53E-06	6.54E-08	1.18E-09	-6.42E-08	9.79E-08	1.76E-09	-9.62E-08
445	488919.6, 3857300.76	1.58E-06	2.85E-08	-1.55E-06	6.65E-08	1.20E-09	-6.53E-08	9.96E-08	1.79E-09	-9.79E-08
446	488819.6, 3857450.76	1.58E-06	2.85E-08	-1.56E-06	6.67E-08	1.20E-09	-6.55E-08	9.98E-08	1.80E-09	-9.80E-08
447	488869.6, 3857450.76	1.60E-06	2.89E-08	-1.58E-06	6.75E-08	1.22E-09	-6.63E-08	1.01E-07	1.82E-09	-9.93E-08
448	488919.6, 3857450.76	1.64E-06	2.95E-08	-1.61E-06	6.90E-08	1.24E-09	-6.78E-08	1.03E-07	1.86E-09	-1.01E-07
449	488819.6, 3857500.76	1.60E-06	2.88E-08	-1.57E-06	6.74E-08	1.21E-09	-6.62E-08	1.01E-07	1.82E-09	-9.91E-08
450	488869.6, 3857500.76	1.63E-06	2.94E-08	-1.60E-06	6.86E-08	1.23E-09	-6.74E-08	1.03E-07	1.85E-09	-1.01E-07
451	488919.6, 3857500.76	1.66E-06	2.99E-08	-1.63E-06	6.99E-08	1.26E-09	-6.87E-08	1.05E-07	1.88E-09	-1.03E-07
452	488819.6, 3857550.76	1.63E-06	2.93E-08	-1.60E-06	6.85E-08	1.23E-09	-6.73E-08	1.03E-07	1.85E-09	-1.01E-07
453	488869.6, 3857550.76	1.65E-06	2.98E-08	-1.62E-06	6.96E-08	1.25E-09	-6.83E-08	1.04E-07	1.88E-09	-1.02E-07
454	488919.6, 3857550.76	1.69E-06	3.04E-08	-1.66E-06	7.10E-08	1.28E-09	-6.97E-08	1.06E-07	1.91E-09	-1.04E-07
455	489663.71, 3860900.05	4.69E-06	8.43E-08	-4.60E-06	1.97E-07	3.55E-09	-1.94E-07	2.95E-07	5.31E-09	-2.90E-07
456	489813.71, 3860900.05	4.89E-06	8.81E-08	-4.80E-06	2.06E-07	3.70E-09	-2.02E-07	3.08E-07	5.55E-09	-3.03E-07
457	489863.71, 3860900.05	5.01E-06	9.01E-08	-4.92E-06	2.11E-07	3.79E-09	-2.07E-07	3.15E-07	5.68E-09	-3.10E-07
458	489913.71, 3860900.05	5.03E-06	9.06E-08	-4.94E-06	2.12E-07	3.81E-09	-2.08E-07	3.17E-07	5.71E-09	-3.11E-07
459	489963.71, 3860900.05	5.15E-06	9.27E-08	-5.05E-06	2.17E-07	3.90E-09	-2.13E-07	3.24E-07	5.84E-09	-3.18E-07
460	490013.71, 3860900.05	5.16E-06	9.30E-08	-5.07E-06	2.17E-07	3.91E-09	-2.13E-07	3.25E-07	5.86E-09	-3.19E-07
461	490063.71, 3860900.05	5.23E-06	9.41E-08	-5.13E-06	2.20E-07	3.96E-09	-2.16E-07	3.29E-07	5.93E-09	-3.23E-07
462	489663.71, 3860950.05	4.69E-06	8.45E-08	-4.61E-06	1.97E-07	3.56E-09	-1.94E-07	2.96E-07	5.32E-09	-2.90E-07
463	489813.71, 3860950.05	4.90E-06	8.82E-08	-4.81E-06	2.06E-07	3.71E-09	-2.02E-07	3.09E-07	5.56E-09	-3.03E-07
464	489863.71, 3860950.05	5.02E-06	9.04E-08	-4.93E-06	2.11E-07	3.80E-09	-2.07E-07	3.16E-07	5.70E-09	-3.11E-07
465	489913.71, 3860950.05	5.07E-06	9.13E-08	-4.98E-06	2.13E-07	3.84E-09	-2.09E-07	3.19E-07	5.75E-09	-3.14E-07
466	489963.71, 3860950.05	5.16E-06	9.30E-08	-5.07E-06	2.17E-07	3.91E-09	-2.13E-07	3.25E-07	5.86E-09	-3.19E-07
467	490013.71, 3860950.05	5.22E-06	9.40E-08	-5.13E-06	2.20E-07	3.96E-09	-2.16E-07	3.29E-07	5.92E-09	-3.23E-07
468	490063.71, 3860950.05	5.28E-06	9.50E-08	-5.18E-06	2.22E-07	4.00E-09	-2.18E-07	3.32E-07	5.98E-09	-3.26E-07
469	489513.71, 3861000.05	4.48E-06	8.07E-08	-4.40E-06	1.89E-07	3.40E-09	-1.85E-07	2.83E-07	5.09E-09	-2.77E-07
470	489563.71, 3861000.05	4.57E-06	8.23E-08	-4.49E-06	1.92E-07	3.46E-09	-1.89E-07	2.88E-07	5.19E-09	-2.83E-07
471	489613.71, 3861000.05	4.63E-06	8.34E-08	-4.55E-06	1.95E-07	3.51E-09	-1.91E-07	2.92E-07	5.26E-09	-2.87E-07
472	489663.71, 3861000.05	4.71E-06	8.48E-08	-4.63E-06	1.98E-07	3.57E-09	-1.95E-07	2.97E-07	5.34E-09	-2.91E-07
473	489713.71, 3861000.05	4.81E-06	8.66E-08	-4.72E-06	2.02E-07	3.64E-09	-1.99E-07	3.03E-07	5.45E-09	-2.98E-07
474	489763.71, 3861000.05	4.89E-06	8.81E-08	-4.80E-06	2.06E-07	3.70E-09	-2.02E-07	3.08E-07	5.55E-09	-3.03E-07
475	489813.71, 3861000.05	4.92E-06	8.86E-08	-4.83E-06	2.07E-07	3.73E-09	-2.03E-07	3.10E-07	5.58E-09	-3.04E-07
476	489863.71, 3861000.05	5.05E-06	9.09E-08	-4.96E-06	2.12E-07	3.82E-09	-2.09E-07	3.18E-07	5.72E-09	-3.12E-07
477	489913.71, 3861000.05	5.10E-06	9.18E-08	-5.01E-06	2.15E-07	3.86E-09	-2.11E-07	3.21E-07	5.78E-09	-3.15E-07
478	489963.71, 3861000.05	5.22E-06	9.39E-08	-5.12E-06	2.19E-07	3.95E-09	-2.16E-07	3.29E-07	5.92E-09	-3.23E-07
479	490013.71, 3861000.05	5.28E-06	9.51E-08	-5.19E-06	2.22E-07	4.00E-09	-2.18E-07	3.33E-07	5.99E-09	-3.27E-07
480	490063.71, 3861000.05	5.36E-06	9.64E-08	-5.26E-06	2.25E-07	4.06E-09	-2.21E-07	3.37E-07	6.08E-09	-3.31E-07
481	489513.71, 3861050.05	4.50E-06	8.10E-08	-4.42E-06	1.89E-07	3.41E-09	-1.86E-07	2.83E-07	5.10E-09	-2.78E-07
482	489563.71, 3861050.05	4.60E-06	8.27E-08	-4.51E-06	1.93E-07	3.48E-09	-1.90E-07	2.90E-07	5.21E-09	-2.84E-07
483	489613.71, 3861050.05	4.63E-06	8.34E-08	-4.55E-06	1.95E-07	3.51E-09	-1.91E-07	2.92E-07	5.25E-09	-2.87E-07
484	489663.71, 3861050.05	4.76E-06	8.56E-08	-4.67E-06	2.00E-07	3.60E-09	-1.96E-07	3.00E-07	5.39E-09	-2.94E-07
485	489713.71, 3861050.05	4.87E-06	8.76E-08	-4.78E-06	2.05E-07	3.69E-09	-2.01E-07	3.07E-07	5.52E-09	-3.01E-07
486	489763.71, 3861050.05	4.94E-06	8.90E-08	-4.85E-06	2.08E-07	3.74E-09	-2.04E-07	3.11E-07	5.61E-09	-3.06E-07
487	489813.71, 3861050.05	5.01E-06	9.01E-08	-4.92E-06	2.11E-07	3.79E-09	-2.07E-07	3.15E-07	5.68E-09	-3.10E-07
488	489863.71, 3861050.05	5.11E-06	9.19E-08	-5.01E-06	2.15E-07	3.87E-09	-2.11E-07	3.22E-07	5.79E-09	-3.16E-07
489	489913.71, 3861050.05	5.19E-06	9.35E-08	-5.10E-06	2.19E-07	3.93E-09	-2.15E-07	3.27E-07	5.89E-09	-3.21E-07
490	489963.71, 3861050.05	5.29E-06	9.53E-08	-5.20E-06	2.23E-07	4.01E-09	-2.19E-07	3.33E-07	6.00E-09	-3.27E-07
491	490013.71, 3861050.05	5.34E-06	9.61E-08	-5.24E-06	2.25E-07	4.04E-09	-2.21E-07	3.36E-07	6.05E-09	-3.30E-07
492	490063.71, 3861050.05	5.43E-06	9.78E-08	-5.33E-06	2.29E-07	4.11E-09	-2.24E-07	3.42E-07	6.16E-09	-3.36E-07
493	489513.71, 3861100.05	4.48E-06	8.07E-08	-4.40E-06	1.89E-07	3.40E-09	-1.85E-07	2.82E-07	5.08E-09	-2.77E-07
494	489563.71, 3861100.05	4.64E-06	8.35E-08	-4.56E-06	1.95E-07	3.51E-09	-1.92E-07	2.92E-07	5.26E-09	-2.87E-07
495	489613.71, 3861100.05	4.80E-06	8.64E-08	-4.71E-06	2.02E-07	3.63E-09	-1.98E-07	3.02E-07	5.44E-09	-2.97E-07
496	489663.71, 3861100.05	4.88E-06	8.78E-08	-4.79E-06	2.05E-07	3.69E-09	-2.01E-07	3.07E-07	5.53E-09	-3.02E-07
497	489713.71, 3861100.05	4.96E-06	8.93E-08	-4.87E-06	2.09E-07	3.76E-09	-2.05E-07	3.12E-07	5.62E-09	-3.07E-07
498	489763.71, 3861100.05	5.04E-06	9.08E-08	-4.95E-06	2.12E-07	3.82E-09	-2.08E-07	3.18E-07	5.72E-09	-3.12E-07
499	489813.71, 3861100.05	5.11E-06	9.20E-08	-5.02E-06	2.15E-07	3.87E-09	-2.11E-07	3.22E-07	5.80E-09	-3.16E-07
500	489863.71, 3861100.05	5.16E-06	9.28E-08	-5.06E-06	2.17E-07	3.91E-09	-2.13E-07	3.25E-07	5.85E-09	-3.19E-07
501	489913.71, 3861100.05	5.29E-06	9.52E-08	-5.19E-06	2.22E-07	4.00E-09	-2.18E-07	3.33E-07	5.99E-09	-3.27E-07
502	489963.71, 3861100.05	5.38E-06	9.68E-08	-5.28E-06	2.26E-07	4.07E-09	-2.22E-07	3.39E-07	6.10E-09	-3.33E-07
503	490013.71, 3861100.05	5.50E-06	9.89E-08	-5.40E-06	2.31E-07	4.16E-09	-2.27E-07	3.46E-07	6.23E-09	-3.40E-07
504	490063.71, 3861100.05	5.58E-06	1.01E-07	-5.48E-06	2.35E-07	4.23E-09	-2.31E-07	3.52E-07	6.33E-09	-3.45E-07
505	489713.71, 3861150.05	5.04E-06	9.08E-08	-4.95E-06	2.12E-07	3.82E-09	-2.08E-07	3.18E-07	5.72E-09	-3.12E-07
506	489763.71, 3861150.05	5.12E-06	9.22E-08	-5.03E-06	2.15E-07	3.88E-09	-2.11E-07	3.22E-07	5.81E-09	-3.17E-07
507	489813.71, 3861150.05	5.19E-06	9.35E-08	-5.10E-06	2.18E-07	3.93E-09	-2.14E-07	3.27E-07	5.89E-09	-3.21E-07
508	489863.71, 3861150.05	5.28E-06	9.51E-08	-5.19E-06	2.22E-07	4.00E-09	-2.18E-07	3.33E-07	5.99E-09	-3.27E-07
509	489913.71, 3861150.05	5.39E-06	9.70E-08	-5.29E-06	2.27E-07	4.08E-09	-2.22E-07	3.39E-07	6.11E-09	-3.33E-07
510	489963.71, 3861150.05	5.50E-06	9.91E-08	-5.41E-06	2.32E-07	4.17E-09	-2.27E-07	3.47E-07	6.24E-09	-3.41E-07
511	490013.71, 3861150.05	5.62E-06	1.01E-07	-5.52E-06	2.37E-07	4.26E-09	-2.32E-07	3.54E-07	6.38E-09	-3.48E-07
512	490063.71, 3861150.05	5.70E-06	1.03E-07	-5.60E-06	2.40E-07	4.32E-09	-2.35E-07	3.59E-07	6.46E-09	-3.52E-07
513	489613.71, 3861200.05	4.97E-06	8.94E-08	-4.88E-06	2.09E-07	3.76E-09	-2.05E-07	3.13E-07	5.63E-09	-3.07E-07
514	489663.71, 3861200.05	5.04E-06	9.08E-08	-4.95E-06	2.12E-07	3.82E-09	-2.08E-07	3.18E-07	5.72E-09	-3.12E-07
515	489713.71, 3861200.05	5.12E-06	9.21E-08	-5.02E-06	2.15E-07	3.88E-09	-2.11E-07	3.22E-07	5.80E-09	-3.17E-07
516	489763.71, 3861200.05	5.20E-06	9.36E-08	-5.10E-06	2.19E-07	3.94E-09	-2.15E-07	3.27E-07	5.89E-09	-3.21E-07
517	489813.71, 3861200.05	5.27E-06	9.49E-08	-5.18E-06	2.22E-07	3.99E-09	-2.18E-07	3.32E-07	5.98E-09	-3.26E-07
518	489863.71, 3861200.05	5.34E-06	9.61E-08	-5.24E-06	2.25E-07	4.04E-09	-2.20E-07	3.36E-07	6.05E-09	-3.30E-07
519	489913.71, 3861200.05	5.45E-06	9.81E-08	-5.35E-06	2.29E-07	4.13E-09	-2.25E-07	3.43E-07	6.18E-09	-3.37E-07
520	489963.71, 3861200.05	5.58E-06	1.00E-07	-5.48E-06	2.35E-07	4.23E-09	-2.31E-07	3.52E-07	6.33E-09	-3.45E-07
521	490013.71, 3861200.05	5.68E-06	1.02E-07	-5.58E-06	2.39E-07	4.30E-09	-2.35E-07	3.58E-07	6.44E-09	-3.52E-07
522	490063.71, 3861200.05	5.81E-06	1.05E-07	-5.70E-06	2.44E-07	4.40E-09	-2.40E-07	3.66E-07	6.58E-09	-3.59E-07
523	489513.71, 3861250.05	4.89E-06	8.81E-08	-4.80E-06	2.06E-07	3.70E-09	-2.02E-07	3.08E-07	5.55E-09	-3.03E-07
524	489563.71, 3861250.05	4.95E-06	8.90E-08	-4.86E-06	2.08E-07	3.75E-09	-2.04E-07	3.12E-07	5.61E-09	-3.06E-07
525	489613.71, 3861250.05	5.01E-06	9.03E-08	-4.92E-06	2.11E-07	3.80E-09	-2.07E-07	3.16E-07	5.69E-09	-3.10E-07
526	489663.71, 3861250.05	5.11E-06	9.19E-08	-5.01E-06	2.15E-07	3.87E-09	-2.11E-07	3.22E-07	5.79E-09	-3.16E-07
527	489713.71, 3861250.05	5.19E-06	9.34E-08	-5.09E-06	2.18E-07	3.93E-09	-2.14E-07	3.27E-07	5.88E-09	-3.21E-07
528	489763.71, 3861250.05	5.27E-06	9.48E-08	-5.17E-06	2.22E-07	3.99E-09	-2.18E-07	3.32E-07	5.97E-09	-3.26E-07
529	489813.71, 3861250.05	5.35E-06	9.64E-08	-5.26E-06	2.25E-07	4.05E-09	-2.21E-07	3.37E-07	6.07E-09	-3.31E-07
530	489863.71, 3861250.05	5.44E-06	9.80E-08	-5.34E-06	2.29E-07	4.12E-09	-2.25E-07	3.43E-07	6.17E-09	-3.37E-07
531	489913.71, 3861250.05	5.52E-06	9.94E-08	-5.42E-06	2.32E-07	4.18E-09	-2.28E-07	3.48E-07	6.26E-09	-3.42E-07

532	489963.71, 3861250.05	5.63E-06	1.01E-07	-5.53E-06	2.37E-07	4.26E-09	-2.33E-07	3.55E-07	6.38E-09	-3.48E-07
533	490013.71, 3861250.05	5.75E-06	1.03E-07	-5.64E-06	2.42E-07	4.35E-09	-2.37E-07	3.62E-07	6.52E-09	-3.56E-07
534	490063.71, 3861250.05	5.90E-06	1.06E-07	-5.80E-06	2.48E-07	4.47E-09	-2.44E-07	3.72E-07	6.69E-09	-3.65E-07
535	489528.13, 3861308.47	5.01E-06	9.02E-08	-4.92E-06	2.11E-07	3.79E-09	-2.07E-07	3.16E-07	5.68E-09	-3.10E-07
536	489578.13, 3861308.47	5.08E-06	9.14E-08	-4.99E-06	2.14E-07	3.85E-09	-2.10E-07	3.20E-07	5.76E-09	-3.14E-07
537	489628.13, 3861308.47	5.16E-06	9.28E-08	-5.06E-06	2.17E-07	3.90E-09	-2.13E-07	3.25E-07	5.85E-09	-3.19E-07
538	489678.13, 3861308.47	5.23E-06	9.41E-08	-5.13E-06	2.20E-07	3.96E-09	-2.16E-07	3.29E-07	5.93E-09	-3.23E-07
539	489728.13, 3861308.47	5.31E-06	9.55E-08	-5.21E-06	2.23E-07	4.02E-09	-2.19E-07	3.34E-07	6.02E-09	-3.28E-07
540	489778.13, 3861308.47	5.40E-06	9.73E-08	-5.31E-06	2.27E-07	4.09E-09	-2.23E-07	3.40E-07	6.13E-09	-3.34E-07
541	489678.13, 3861358.47	5.33E-06	9.60E-08	-5.24E-06	2.24E-07	4.04E-09	-2.20E-07	3.36E-07	6.05E-09	-3.30E-07
542	489728.13, 3861358.47	5.42E-06	9.76E-08	-5.32E-06	2.28E-07	4.10E-09	-2.24E-07	3.41E-07	6.15E-09	-3.35E-07
543	489528.13, 3861408.47	5.22E-06	9.40E-08	-5.13E-06	2.20E-07	3.95E-09	-2.16E-07	3.29E-07	5.92E-09	-3.23E-07
544	489578.13, 3861408.47	5.29E-06	9.53E-08	-5.20E-06	2.23E-07	4.01E-09	-2.19E-07	3.34E-07	6.00E-09	-3.27E-07
545	489628.13, 3861408.47	5.33E-06	9.60E-08	-5.24E-06	2.24E-07	4.04E-09	-2.20E-07	3.36E-07	6.05E-09	-3.30E-07
546	489678.13, 3861408.47	5.43E-06	9.78E-08	-5.34E-06	2.29E-07	4.11E-09	-2.24E-07	3.42E-07	6.16E-09	-3.36E-07
547	489728.13, 3861408.47	5.54E-06	9.97E-08	-5.44E-06	2.33E-07	4.19E-09	-2.29E-07	3.49E-07	6.28E-09	-3.43E-07
548	489528.13, 3861458.47	5.30E-06	9.55E-08	-5.21E-06	2.23E-07	4.02E-09	-2.19E-07	3.34E-07	6.02E-09	-3.28E-07
549	489578.13, 3861458.47	5.37E-06	9.68E-08	-5.28E-06	2.26E-07	4.07E-09	-2.22E-07	3.39E-07	6.10E-09	-3.32E-07
550	489628.13, 3861458.47	5.45E-06	9.82E-08	-5.35E-06	2.29E-07	4.13E-09	-2.25E-07	3.44E-07	6.18E-09	-3.37E-07
551	489678.13, 3861458.47	5.55E-06	9.99E-08	-5.45E-06	2.33E-07	4.20E-09	-2.29E-07	3.49E-07	6.29E-09	-3.43E-07
552	489728.13, 3861458.47	5.67E-06	1.02E-07	-5.57E-06	2.39E-07	4.30E-09	-2.34E-07	3.57E-07	6.43E-09	-3.51E-07
553	489528.13, 3861508.47	5.38E-06	9.69E-08	-5.29E-06	2.26E-07	4.08E-09	-2.22E-07	3.39E-07	6.10E-09	-3.33E-07
554	489578.13, 3861508.47	5.47E-06	9.84E-08	-5.37E-06	2.30E-07	4.14E-09	-2.26E-07	3.44E-07	6.20E-09	-3.38E-07
555	489628.13, 3861508.47	5.56E-06	1.00E-07	-5.46E-06	2.34E-07	4.21E-09	-2.30E-07	3.50E-07	6.30E-09	-3.44E-07
556	489678.13, 3861508.47	5.66E-06	1.02E-07	-5.56E-06	2.38E-07	4.29E-09	-2.34E-07	3.57E-07	6.42E-09	-3.50E-07
557	489728.13, 3861508.47	5.77E-06	1.04E-07	-5.66E-06	2.43E-07	4.37E-09	-2.38E-07	3.63E-07	6.54E-09	-3.57E-07
558	489628.13, 3861558.47	5.60E-06	1.01E-07	-5.50E-06	2.35E-07	4.24E-09	-2.31E-07	3.53E-07	6.35E-09	-3.46E-07
559	489678.13, 3861558.47	5.66E-06	1.02E-07	-5.56E-06	2.38E-07	4.29E-09	-2.34E-07	3.57E-07	6.42E-09	-3.50E-07
560	489728.13, 3861558.47	5.77E-06	1.04E-07	-5.66E-06	2.43E-07	4.37E-09	-2.38E-07	3.63E-07	6.54E-09	-3.57E-07
561	489357.08, 3861015.81	4.25E-06	7.66E-08	-4.18E-06	1.79E-07	3.22E-09	-1.76E-07	2.68E-07	4.82E-09	-2.63E-07
562	489407.08, 3861015.81	4.36E-06	7.84E-08	-4.28E-06	1.83E-07	3.30E-09	-1.80E-07	2.74E-07	4.94E-09	-2.70E-07
563	489457.08, 3861015.81	4.44E-06	7.99E-08	-4.36E-06	1.87E-07	3.36E-09	-1.83E-07	2.80E-07	5.03E-09	-2.74E-07
564	489357.08, 3861065.81	4.28E-06	7.71E-08	-4.21E-06	1.80E-07	3.24E-09	-1.77E-07	2.70E-07	4.86E-09	-2.65E-07
565	489407.08, 3861065.81	4.39E-06	7.91E-08	-4.32E-06	1.85E-07	3.33E-09	-1.82E-07	2.77E-07	4.98E-09	-2.72E-07
566	489457.08, 3861065.81	4.47E-06	8.06E-08	-4.39E-06	1.88E-07	3.39E-09	-1.85E-07	2.82E-07	5.07E-09	-2.77E-07
567	489357.08, 3861115.81	4.34E-06	7.82E-08	-4.26E-06	1.83E-07	3.29E-09	-1.79E-07	2.73E-07	4.92E-09	-2.69E-07
568	489407.08, 3861115.81	4.41E-06	7.94E-08	-4.33E-06	1.86E-07	3.34E-09	-1.82E-07	2.78E-07	5.00E-09	-2.73E-07
569	489457.08, 3861115.81	4.48E-06	8.07E-08	-4.40E-06	1.89E-07	3.40E-09	-1.85E-07	2.83E-07	5.09E-09	-2.77E-07
570	489407.08, 3861165.81	4.43E-06	7.98E-08	-4.35E-06	1.86E-07	3.36E-09	-1.83E-07	2.79E-07	5.03E-09	-2.74E-07
571	489457.08, 3861165.81	4.54E-06	8.17E-08	-4.46E-06	1.91E-07	3.44E-09	-1.88E-07	2.86E-07	5.15E-09	-2.81E-07
572	489407.08, 3861215.81	4.60E-06	8.28E-08	-4.52E-06	1.93E-07	3.48E-09	-1.90E-07	2.90E-07	5.22E-09	-2.85E-07
573	489457.08, 3861215.81	4.69E-06	8.43E-08	-4.60E-06	1.97E-07	3.55E-09	-1.94E-07	2.95E-07	5.31E-09	-2.90E-07
574	489407.08, 3861265.81	4.76E-06	8.57E-08	-4.68E-06	2.00E-07	3.61E-09	-1.97E-07	3.00E-07	5.40E-09	-2.95E-07
575	489457.08, 3861265.81	4.82E-06	8.69E-08	-4.74E-06	2.03E-07	3.65E-09	-1.99E-07	3.04E-07	5.47E-09	-2.98E-07
576	489309.86, 3861110.14	4.28E-06	7.71E-08	-4.21E-06	1.80E-07	3.24E-09	-1.77E-07	2.70E-07	4.86E-09	-2.65E-07
577	489407.08, 3861315.81	4.85E-06	8.72E-08	-4.76E-06	2.04E-07	3.67E-09	-2.00E-07	3.05E-07	5.50E-09	-3.00E-07
578	489457.08, 3861315.81	4.91E-06	8.83E-08	-4.82E-06	2.06E-07	3.72E-09	-2.03E-07	3.09E-07	5.57E-09	-3.04E-07
579	488906.03, 3861006.75	3.52E-06	6.33E-08	-3.45E-06	1.48E-07	2.66E-09	-1.45E-07	2.21E-07	3.99E-09	-2.18E-07
580	488956.03, 3861006.75	3.53E-06	6.35E-08	-3.46E-06	1.48E-07	2.67E-09	-1.46E-07	2.22E-07	4.00E-09	-2.18E-07
581	488904.24, 3861051.87	3.24E-06	5.83E-08	-3.18E-06	1.36E-07	2.45E-09	-1.34E-07	2.04E-07	3.67E-09	-2.00E-07
582	488954.24, 3861051.87	3.44E-06	6.19E-08	-3.38E-06	1.45E-07	2.61E-09	-1.42E-07	2.17E-07	3.90E-09	-2.13E-07
583	489004.24, 3861051.87	3.38E-06	6.08E-08	-3.32E-06	1.42E-07	2.56E-09	-1.40E-07	2.13E-07	3.83E-09	-2.09E-07
584	488804.24, 3861101.87	3.34E-06	6.02E-08	-3.28E-06	1.41E-07	2.53E-09	-1.38E-07	2.11E-07	3.79E-09	-2.07E-07
585	488854.24, 3861101.87	3.32E-06	5.97E-08	-3.26E-06	1.40E-07	2.51E-09	-1.37E-07	2.09E-07	3.76E-09	-2.05E-07
586	488904.24, 3861101.87	3.63E-06	6.53E-08	-3.56E-06	1.53E-07	2.75E-09	-1.50E-07	2.28E-07	4.11E-09	-2.24E-07
587	488954.24, 3861101.87	3.75E-06	6.76E-08	-3.68E-06	1.58E-07	2.84E-09	-1.55E-07	2.36E-07	4.26E-09	-2.32E-07
588	489004.24, 3861101.87	3.80E-06	6.84E-08	-3.73E-06	1.60E-07	2.88E-09	-1.57E-07	2.39E-07	4.31E-09	-2.35E-07
589	488804.24, 3861151.87	3.71E-06	6.67E-08	-3.64E-06	1.56E-07	2.81E-09	-1.53E-07	2.33E-07	4.20E-09	-2.29E-07
590	488854.24, 3861151.87	3.79E-06	6.83E-08	-3.73E-06	1.60E-07	2.87E-09	-1.57E-07	2.39E-07	4.30E-09	-2.35E-07
591	489129.49, 3861187.55	4.21E-06	7.59E-08	-4.14E-06	1.77E-07	3.19E-09	-1.74E-07	2.65E-07	4.78E-09	-2.61E-07
592	489179.49, 3861187.55	4.29E-06	7.73E-08	-4.21E-06	1.81E-07	3.25E-09	-1.77E-07	2.70E-07	4.87E-09	-2.65E-07
593	488804.24, 3861201.87	3.77E-06	6.79E-08	-3.70E-06	1.59E-07	2.86E-09	-1.56E-07	2.37E-07	4.28E-09	-2.33E-07
594	488854.24, 3861201.87	3.89E-06	7.01E-08	-3.82E-06	1.64E-07	2.95E-09	-1.61E-07	2.45E-07	4.41E-09	-2.41E-07
595	489129.49, 3861237.55	4.23E-06	7.62E-08	-4.15E-06	1.78E-07	3.20E-09	-1.75E-07	2.67E-07	4.80E-09	-2.62E-07
596	489179.49, 3861237.55	4.35E-06	7.83E-08	-4.27E-06	1.83E-07	3.29E-09	-1.80E-07	2.74E-07	4.93E-09	-2.69E-07
597	488804.24, 3861251.87	3.81E-06	6.85E-08	-3.74E-06	1.60E-07	2.88E-09	-1.57E-07	2.40E-07	4.32E-09	-2.35E-07
598	488854.24, 3861251.87	3.96E-06	7.13E-08	-3.89E-06	1.67E-07	3.00E-09	-1.64E-07	2.49E-07	4.49E-09	-2.45E-07
599	488804.24, 3861301.87	3.91E-06	7.03E-08	-3.84E-06	1.64E-07	2.96E-09	-1.61E-07	2.46E-07	4.43E-09	-2.42E-07
600	488854.24, 3861301.87	4.02E-06	7.24E-08	-3.95E-06	1.69E-07	3.05E-09	-1.66E-07	2.53E-07	4.56E-09	-2.49E-07
601	490943.5, 3860181.97	6.61E-06	1.19E-07	-6.49E-06	2.78E-07	5.01E-09	-2.73E-07	4.17E-07	7.50E-09	-4.09E-07
602	490993.5, 3860181.97	6.84E-06	1.23E-07	-6.72E-06	2.88E-07	5.18E-09	-2.83E-07	4.31E-07	7.76E-09	-4.23E-07
603	491043.5, 3860181.97	7.06E-06	1.27E-07	-6.93E-06	2.97E-07	5.35E-09	-2.92E-07	4.45E-07	8.01E-09	-4.37E-07
604	491093.5, 3860181.97	7.36E-06	1.33E-07	-7.23E-06	3.10E-07	5.58E-09	-3.04E-07	4.64E-07	8.35E-09	-4.55E-07
605	490943.5, 3860231.97	6.57E-06	1.18E-07	-6.45E-06	2.76E-07	4.98E-09	-2.71E-07	4.14E-07	7.45E-09	-4.06E-07
606	490993.5, 3860231.97	6.66E-06	1.20E-07	-6.54E-06	2.80E-07	5.04E-09	-2.75E-07	4.19E-07	7.55E-09	-4.12E-07
607	491043.5, 3860231.97	7.00E-06	1.26E-07	-6.87E-06	2.95E-07	5.30E-09	-2.89E-07	4.41E-07	7.94E-09	-4.33E-07
608	491093.5, 3860231.97	7.35E-06	1.32E-07	-7.22E-06	3.09E-07	5.57E-09	-3.04E-07	4.63E-07	8.33E-09	-4.55E-07
609	490943.5, 3860281.97	6.53E-06	1.18E-07	-6.41E-06	2.75E-07	4.95E-09	-2.70E-07	4.11E-07	7.41E-09	-4.04E-07
610	490993.5, 3860281.97	6.64E-06	1.20E-07	-6.52E-06	2.80E-07	5.03E-09	-2.74E-07	4.19E-07	7.53E-09	-4.11E-07
611	491043.5, 3860281.97	6.93E-06	1.25E-07	-6.80E-06	2.91E-07	5.25E-09	-2.86E-07	4.36E-07	7.86E-09	-4.29E-07
612	491093.5, 3860281.97	7.25E-06	1.30E-07	-7.12E-06	3.05E-07	5.49E-09	-2.99E-07	4.57E-07	8.22E-09	-4.48E-07
613	490943.5, 3860331.97	6.57E-06	1.18E-07	-6.46E-06	2.77E-07	4.98E-09	-2.72E-07	4.14E-07	7.46E-09	-4.07E-07
614	490993.5, 3860331.97	6.81E-06	1.23E-07	-6.69E-06	2.86E-07	5.16E-09	-2.81E-07	4.29E-07	7.72E-09	-4.21E-07
615	491043.5, 3860331.97	7.06E-06	1.27E-07	-6.93E-06	2.97E-07	5.34E-09	-2.92E-07	4.45E-07	8.00E-09	-4.37E-07
616	491093.5, 3860331.97	7.32E-06	1.32E-07	-7.19E-06	3.08E-07	5.54E-09	-3.02E-07	4.61E-07	8.30E-09	-4.53E-07
617	490086.72, 3859935.12	3.94E-06	7.09E-08	-3.87E-06	1.66E-07	2.98E-09	-1.63E-07	2.48E-07	4.47E-09	-2.44E-07
618	490136.72, 3859935.12	4.08E-06	7.35E-08	-4.01E-06	1.72E-07	3.09E-09	-1.69E-07	2.57E-07	4.63E-09	-2.52E-07
619	490186.72, 3859935.12	4.22E-06	7.60E-08	-4.14E-06	1.78E-07	3.20E-09	-1.74E-07	2.66E-07	4.79E-09	-2.61E-07
620	490236.72, 3859935.12	4.36E-06	7.84E-08	-4.28E-06	1.83E-07	3.30E-09	-1.80E-07	2.74E-07	4.94E-09	-2.69E-07
621	490286.72, 3859935.12	4.52E-06	8.14E-08	-4.44E-06	1.90E-07	3.42E-09	-1.87E-07	2.85E-07	5.13E-09	-2.80E-07
622	490336.72, 3859935.12	4.68E-06	8.43E-08	-4.60E-06	1.97E-07	3.55E-09	-1.93E-07	2.95E-07	5.31E-09	-2.90E-07
623	490386.72, 3859935.12	4.81E-06	8.66E-08	-4.73E-06	2.02E-07	3.65E-09	-1.99E-07	3.03E-07	5.46E-09	-2.98E-07
624	490436.72, 3859935.12	4.96E-06	8.92E-08	-4.87E-06	2.08E-07	3.75E-09	-2.05E-07	3.12E-07	5.62E-09	-3.07E-07
625	490486.72, 3859935.12	5.07E-06	9.13E-08	-4.98E-06	2.13E-07	3.84E-09	-2.10E-07	3.20E-07	5.75E-09	-3.14E-07
626	490536.72, 3859935.12	5.04E-06	9.07E-08	-4.95E-06	2.12E-07	3.82E-09	-2.08E-07	3.17E-07	5.71E-09	-3.12E-07
627	490586.72, 3859935.12	4.95E-06	8.92E-08	-4.86E-06	2.08E-07	3.75E-09	-2.05E-07	3.12E-07	5.62E-09	-3.06E-07
628	490636.72, 3859935.12	4.98E-06	8.97E-08	-4.89E-06	2.10E-07	3.77E-09	-2.06E-07	3.14E-07	5.65E-09	-3.08E-07
629	490686.72, 3859935.12	4.80E-06	8.63E-08	-4.71E-06	2.02E-07	3.63E-09	-1.98E-07	3.02E-07	5.44E-09	-2.97E-07
630	490736.72, 3859935.12	4.73E-06	8.51E-08	-4.64E-06	1.99E-07	3.58E-09	-1.95E-07	2.98E-07	5.36E-09	-2.92E-07
631	490086.72, 3859985.12	3.86E-06	6.94E-08	-3.79E-06	1.62E-07	2.92E-09	-1.59E-07	2.43E-07	4.37E-09	-2.39E-07
632	490136.72, 3859985.12	4.00E-06	7.20E-08	-3.93E-06	1.68E-07	3.03E-09	-1.65E-07	2.52E-07	4.54E-09	-2.47E-07
633	490186.72, 3859985.12	4.11E-06	7.40E-08	-4.04E-06	1.73E-07	3.11E-09	-1.70E-07	2.59E-07	4.66E-09	-2.54E-07
634	490236.72, 3859985.12	4.20E-06	7.57E-08	-4.13E-06	1.77E-07	3.18E-09	-1.74E-07	2.65E-07	4.77E-09	-2.60E-07
635	490286.72, 3859985.12	4.36E-06	7.85E-08	-4.28E-06	1.84E-07	3.30E-09	-1.80E-07	2.75E-07	4.95E-09	-2.70E-07
636	490336.72, 3859985.12	4.53E-06	8.16E-08	-4.45E-06	1.91E-07	3.43E-09	-1.87E-07	2.86E-07	5.14E-09	-2.80E-07
637	490386.72, 3859985.12	4.76E-06	8.56E-08	-4.67E-06	2.00E-07	3.60E-09	-1.96E-07	3.00E-07	5.39E-09	-2.94E-07
638	490436.72, 3859985.12	4.93E-06	8.88E-08	-4.84E-06	2.07E-07	3.74E-09	-2.04E-07	3.11E-07	5.59E-09	-3.05E-07

639	490486.72, 3859985.12	5.07E-06	9.13E-08	-4.98E-06	2.13E-07	3.84E-09	-2.10E-07	3.20E-07	5.75E-09	-3.14E-07
640	490536.72, 3859985.12	5.14E-06	9.26E-08	-5.05E-06	2.16E-07	3.89E-09	-2.12E-07	3.24E-07	5.83E-09	-3.18E-07
641	490586.72, 3859985.12	5.15E-06	9.27E-08	-5.06E-06	2.17E-07	3.90E-09	-2.13E-07	3.24E-07	5.84E-09	-3.18E-07
642	490636.72, 3859985.12	5.10E-06	9.18E-08	-5.01E-06	2.14E-07	3.86E-09	-2.11E-07	3.21E-07	5.78E-09	-3.15E-07
643	490686.72, 3859985.12	4.86E-06	8.75E-08	-4.77E-06	2.04E-07	3.68E-09	-2.01E-07	3.06E-07	5.51E-09	-3.01E-07
644	490736.72, 3859985.12	4.97E-06	8.95E-08	-4.88E-06	2.09E-07	3.77E-09	-2.05E-07	3.13E-07	5.64E-09	-3.08E-07
645	490786.72, 3859985.12	5.04E-06	9.07E-08	-4.95E-06	2.12E-07	3.82E-09	-2.08E-07	3.17E-07	5.71E-09	-3.12E-07
646	490086.72, 3860035.12	3.84E-06	6.91E-08	-3.77E-06	1.61E-07	2.91E-09	-1.58E-07	2.42E-07	4.35E-09	-2.37E-07
647	490136.72, 3860035.12	3.95E-06	7.11E-08	-3.88E-06	1.66E-07	2.99E-09	-1.63E-07	2.49E-07	4.48E-09	-2.44E-07
648	490186.72, 3860035.12	4.06E-06	7.31E-08	-3.99E-06	1.71E-07	3.07E-09	-1.68E-07	2.56E-07	4.60E-09	-2.51E-07
649	490236.72, 3860035.12	4.17E-06	7.51E-08	-4.10E-06	1.76E-07	3.16E-09	-1.72E-07	2.63E-07	4.73E-09	-2.58E-07
650	490286.72, 3860035.12	4.32E-06	7.78E-08	-4.25E-06	1.82E-07	3.28E-09	-1.79E-07	2.72E-07	4.90E-09	-2.67E-07
651	490336.72, 3860035.12	4.43E-06	7.97E-08	-4.35E-06	1.86E-07	3.35E-09	-1.83E-07	2.79E-07	5.02E-09	-2.74E-07
652	490386.72, 3860035.12	4.65E-06	8.37E-08	-4.57E-06	1.96E-07	3.52E-09	-1.92E-07	2.93E-07	5.27E-09	-2.88E-07
653	490436.72, 3860035.12	4.84E-06	8.72E-08	-4.76E-06	2.04E-07	3.67E-09	-2.00E-07	3.05E-07	5.49E-09	-3.00E-07
654	490486.72, 3860035.12	5.02E-06	9.03E-08	-4.93E-06	2.11E-07	3.80E-09	-2.07E-07	3.16E-07	5.69E-09	-3.10E-07
655	490536.72, 3860035.12	5.13E-06	9.23E-08	-5.03E-06	2.16E-07	3.88E-09	-2.12E-07	3.23E-07	5.81E-09	-3.17E-07
656	490586.72, 3860035.12	5.24E-06	9.43E-08	-5.14E-06	2.20E-07	3.97E-09	-2.16E-07	3.30E-07	5.94E-09	-3.24E-07
657	490636.72, 3860035.12	5.40E-06	9.73E-08	-5.31E-06	2.27E-07	4.09E-09	-2.23E-07	3.40E-07	6.13E-09	-3.34E-07
658	490686.72, 3860035.12	5.40E-06	9.72E-08	-5.30E-06	2.27E-07	4.09E-09	-2.23E-07	3.40E-07	6.12E-09	-3.34E-07
659	490736.72, 3860035.12	5.20E-06	9.36E-08	-5.11E-06	2.19E-07	3.94E-09	-2.15E-07	3.28E-07	5.90E-09	-3.22E-07
660	490786.72, 3860035.12	5.29E-06	9.52E-08	-5.19E-06	2.22E-07	4.00E-09	-2.18E-07	3.33E-07	5.99E-09	-3.27E-07
661	490836.72, 3860035.12	5.40E-06	9.72E-08	-5.30E-06	2.27E-07	4.09E-09	-2.23E-07	3.40E-07	6.12E-09	-3.34E-07
662	490086.72, 3860085.12	3.75E-06	6.75E-08	-3.68E-06	1.58E-07	2.84E-09	-1.55E-07	2.36E-07	4.25E-09	-2.32E-07
663	490136.72, 3860085.12	3.97E-06	7.16E-08	-3.90E-06	1.67E-07	3.01E-09	-1.64E-07	2.50E-07	4.51E-09	-2.46E-07
664	490186.72, 3860085.12	4.02E-06	7.23E-08	-3.95E-06	1.69E-07	3.04E-09	-1.66E-07	2.53E-07	4.56E-09	-2.49E-07
665	490236.72, 3860085.12	4.13E-06	7.44E-08	-4.06E-06	1.74E-07	3.13E-09	-1.71E-07	2.60E-07	4.68E-09	-2.56E-07
666	490286.72, 3860085.12	4.26E-06	7.66E-08	-4.18E-06	1.79E-07	3.22E-09	-1.76E-07	2.68E-07	4.83E-09	-2.63E-07
667	490336.72, 3860085.12	4.42E-06	7.95E-08	-4.34E-06	1.86E-07	3.35E-09	-1.82E-07	2.78E-07	5.01E-09	-2.73E-07
668	490386.72, 3860085.12	4.58E-06	8.25E-08	-4.50E-06	1.93E-07	3.47E-09	-1.89E-07	2.89E-07	5.20E-09	-2.84E-07
669	490436.72, 3860085.12	4.76E-06	8.57E-08	-4.68E-06	2.00E-07	3.61E-09	-1.97E-07	3.00E-07	5.40E-09	-2.95E-07
670	490486.72, 3860085.12	4.97E-06	8.94E-08	-4.88E-06	2.09E-07	3.76E-09	-2.05E-07	3.13E-07	5.63E-09	-3.07E-07
671	490536.72, 3860085.12	5.10E-06	9.19E-08	-5.01E-06	2.15E-07	3.86E-09	-2.11E-07	3.21E-07	5.79E-09	-3.16E-07
672	490586.72, 3860085.12	5.23E-06	9.42E-08	-5.14E-06	2.20E-07	3.96E-09	-2.16E-07	3.30E-07	5.94E-09	-3.24E-07
673	490636.72, 3860085.12	5.41E-06	9.74E-08	-5.31E-06	2.28E-07	4.10E-09	-2.23E-07	3.41E-07	6.13E-09	-3.35E-07
674	490686.72, 3860085.12	5.49E-06	9.89E-08	-5.39E-06	2.31E-07	4.16E-09	-2.27E-07	3.46E-07	6.23E-09	-3.40E-07
675	490736.72, 3860085.12	5.51E-06	9.92E-08	-5.41E-06	2.32E-07	4.17E-09	-2.28E-07	3.47E-07	6.25E-09	-3.41E-07
676	490786.72, 3860085.12	5.52E-06	9.93E-08	-5.42E-06	2.32E-07	4.18E-09	-2.28E-07	3.47E-07	6.26E-09	-3.41E-07
677	490836.72, 3860085.12	5.66E-06	1.02E-07	-5.56E-06	2.38E-07	4.29E-09	-2.34E-07	3.57E-07	6.42E-09	-3.50E-07
678	490086.72, 3860135.12	4.06E-06	7.30E-08	-3.98E-06	1.71E-07	3.07E-09	-1.68E-07	2.56E-07	4.60E-09	-2.51E-07
679	490136.72, 3860135.12	4.09E-06	7.36E-08	-4.02E-06	1.72E-07	3.10E-09	-1.69E-07	2.58E-07	4.64E-09	-2.53E-07
680	490186.72, 3860135.12	4.12E-06	7.42E-08	-4.05E-06	1.73E-07	3.12E-09	-1.70E-07	2.60E-07	4.68E-09	-2.55E-07
681	490236.72, 3860135.12	4.23E-06	7.61E-08	-4.15E-06	1.78E-07	3.20E-09	-1.75E-07	2.66E-07	4.79E-09	-2.61E-07
682	490286.72, 3860135.12	4.32E-06	7.77E-08	-4.24E-06	1.82E-07	3.27E-09	-1.78E-07	2.72E-07	4.89E-09	-2.67E-07
683	490336.72, 3860135.12	4.42E-06	7.97E-08	-4.34E-06	1.86E-07	3.35E-09	-1.83E-07	2.79E-07	5.02E-09	-2.74E-07
684	490386.72, 3860135.12	4.57E-06	8.23E-08	-4.49E-06	1.92E-07	3.46E-09	-1.89E-07	2.88E-07	5.19E-09	-2.83E-07
685	490436.72, 3860135.12	4.75E-06	8.56E-08	-4.67E-06	2.00E-07	3.60E-09	-1.96E-07	2.99E-07	5.39E-09	-2.94E-07
686	490486.72, 3860135.12	4.92E-06	8.86E-08	-4.83E-06	2.07E-07	3.73E-09	-2.03E-07	3.10E-07	5.58E-09	-3.04E-07
687	490536.72, 3860135.12	5.04E-06	9.07E-08	-4.95E-06	2.12E-07	3.82E-09	-2.08E-07	3.18E-07	5.72E-09	-3.12E-07
688	490586.72, 3860135.12	5.20E-06	9.36E-08	-5.10E-06	2.19E-07	3.94E-09	-2.15E-07	3.27E-07	5.90E-09	-3.22E-07
689	490636.72, 3860135.12	5.37E-06	9.66E-08	-5.27E-06	2.26E-07	4.07E-09	-2.22E-07	3.38E-07	6.09E-09	-3.32E-07
690	490686.72, 3860135.12	5.55E-06	9.99E-08	-5.45E-06	2.33E-07	4.20E-09	-2.29E-07	3.49E-07	6.29E-09	-3.43E-07
691	490736.72, 3860135.12	5.68E-06	1.02E-07	-5.57E-06	2.39E-07	4.30E-09	-2.34E-07	3.58E-07	6.44E-09	-3.51E-07
692	490786.72, 3860135.12	5.71E-06	1.03E-07	-5.61E-06	2.40E-07	4.33E-09	-2.36E-07	3.60E-07	6.48E-09	-3.53E-07
693	490836.72, 3860135.12	5.89E-06	1.06E-07	-5.78E-06	2.48E-07	4.46E-09	-2.43E-07	3.71E-07	6.68E-09	-3.64E-07
694	490086.72, 3860185.12	4.25E-06	7.64E-08	-4.17E-06	1.79E-07	3.22E-09	-1.75E-07	2.67E-07	4.81E-09	-2.63E-07
695	490136.72, 3860185.12	4.24E-06	7.62E-08	-4.16E-06	1.78E-07	3.21E-09	-1.75E-07	2.67E-07	4.80E-09	-2.62E-07
696	490186.72, 3860185.12	4.26E-06	7.67E-08	-4.19E-06	1.79E-07	3.23E-09	-1.76E-07	2.69E-07	4.83E-09	-2.64E-07
697	490236.72, 3860185.12	4.35E-06	7.83E-08	-4.27E-06	1.83E-07	3.29E-09	-1.80E-07	2.74E-07	4.93E-09	-2.69E-07
698	490286.72, 3860185.12	4.44E-06	7.99E-08	-4.36E-06	1.87E-07	3.36E-09	-1.83E-07	2.80E-07	5.04E-09	-2.75E-07
699	490336.72, 3860185.12	4.54E-06	8.18E-08	-4.46E-06	1.91E-07	3.44E-09	-1.88E-07	2.86E-07	5.15E-09	-2.81E-07
700	490386.72, 3860185.12	4.66E-06	8.39E-08	-4.58E-06	1.96E-07	3.53E-09	-1.93E-07	2.94E-07	5.29E-09	-2.88E-07
701	490436.72, 3860185.12	4.79E-06	8.62E-08	-4.70E-06	2.02E-07	3.63E-09	-1.98E-07	3.02E-07	5.43E-09	-2.96E-07
702	490486.72, 3860185.12	4.94E-06	8.89E-08	-4.85E-06	2.08E-07	3.74E-09	-2.04E-07	3.11E-07	5.60E-09	-3.06E-07
703	490536.72, 3860185.12	5.07E-06	9.12E-08	-4.98E-06	2.13E-07	3.84E-09	-2.09E-07	3.19E-07	5.75E-09	-3.13E-07
704	490586.72, 3860185.12	5.16E-06	9.29E-08	-5.07E-06	2.17E-07	3.91E-09	-2.13E-07	3.25E-07	5.85E-09	-3.19E-07
705	490636.72, 3860185.12	5.35E-06	9.63E-08	-5.26E-06	2.25E-07	4.05E-09	-2.21E-07	3.37E-07	6.07E-09	-3.31E-07
706	490686.72, 3860185.12	5.49E-06	9.88E-08	-5.39E-06	2.31E-07	4.16E-09	-2.27E-07	3.46E-07	6.23E-09	-3.40E-07
707	490736.72, 3860185.12	5.71E-06	1.03E-07	-5.61E-06	2.40E-07	4.33E-09	-2.36E-07	3.60E-07	6.48E-09	-3.53E-07
708	490786.72, 3860185.12	5.85E-06	1.05E-07	-5.74E-06	2.46E-07	4.43E-09	-2.42E-07	3.69E-07	6.63E-09	-3.62E-07
709	490836.72, 3860185.12	6.00E-06	1.08E-07	-5.89E-06	2.52E-07	4.54E-09	-2.48E-07	3.78E-07	6.80E-09	-3.71E-07
710	490086.72, 3860235.12	4.39E-06	7.90E-08	-4.31E-06	1.85E-07	3.32E-09	-1.81E-07	2.77E-07	4.98E-09	-2.72E-07
711	490136.72, 3860235.12	4.41E-06	7.94E-08	-4.33E-06	1.86E-07	3.34E-09	-1.82E-07	2.78E-07	5.00E-09	-2.73E-07
712	490186.72, 3860235.12	4.44E-06	7.99E-08	-4.36E-06	1.87E-07	3.36E-09	-1.83E-07	2.79E-07	5.03E-09	-2.74E-07
713	490236.72, 3860235.12	4.50E-06	8.10E-08	-4.42E-06	1.89E-07	3.41E-09	-1.86E-07	2.84E-07	5.11E-09	-2.78E-07
714	490286.72, 3860235.12	4.59E-06	8.26E-08	-4.51E-06	1.93E-07	3.47E-09	-1.90E-07	2.89E-07	5.20E-09	-2.84E-07
715	490336.72, 3860235.12	4.68E-06	8.42E-08	-4.59E-06	1.97E-07	3.54E-09	-1.93E-07	2.95E-07	5.30E-09	-2.89E-07
716	490386.72, 3860235.12	4.78E-06	8.60E-08	-4.69E-06	2.01E-07	3.62E-09	-1.97E-07	3.01E-07	5.42E-09	-2.96E-07
717	490436.72, 3860235.12	4.88E-06	8.78E-08	-4.79E-06	2.05E-07	3.70E-09	-2.02E-07	3.07E-07	5.53E-09	-3.02E-07
718	490486.72, 3860235.12	5.01E-06	9.03E-08	-4.92E-06	2.11E-07	3.80E-09	-2.07E-07	3.16E-07	5.69E-09	-3.10E-07
719	490536.72, 3860235.12	5.13E-06	9.23E-08	-5.03E-06	2.16E-07	3.88E-09	-2.12E-07	3.23E-07	5.81E-09	-3.17E-07
720	490586.72, 3860235.12	5.24E-06	9.43E-08	-5.14E-06	2.20E-07	3.97E-09	-2.16E-07	3.30E-07	5.94E-09	-3.24E-07
721	490636.72, 3860235.12	5.36E-06	9.66E-08	-5.27E-06	2.26E-07	4.06E-09	-2.22E-07	3.38E-07	6.08E-09	-3.32E-07
722	490686.72, 3860235.12	5.50E-06	9.90E-08	-5.40E-06	2.31E-07	4.16E-09	-2.27E-07	3.46E-07	6.24E-09	-3.40E-07
723	490736.72, 3860235.12	5.67E-06	1.02E-07	-5.57E-06	2.39E-07	4.30E-09	-2.34E-07	3.57E-07	6.43E-09	-3.51E-07
724	490786.72, 3860235.12	5.87E-06	1.06E-07	-5.76E-06	2.47E-07	4.44E-09	-2.42E-07	3.70E-07	6.65E-09	-3.63E-07
725	490086.72, 3860285.12	4.55E-06	8.20E-08	-4.47E-06	1.92E-07	3.45E-09	-1.88E-07	2.87E-07	5.17E-09	-2.82E-07
726	490136.72, 3860285.12	4.57E-06	8.23E-08	-4.49E-06	1.92E-07	3.46E-09	-1.89E-07	2.88E-07	5.19E-09	-2.83E-07
727	490186.72, 3860285.12	4.62E-06	8.33E-08	-4.54E-06	1.95E-07	3.50E-09	-1.91E-07	2.91E-07	5.25E-09	-2.86E-07
728	490236.72, 3860285.12	4.66E-06	8.39E-08	-4.58E-06	1.96E-07	3.53E-09	-1.92E-07	2.94E-07	5.28E-09	-2.88E-07
729	490286.72, 3860285.12	4.76E-06	8.56E-08	-4.67E-06	2.00E-07	3.60E-09	-1.96E-07	3.00E-07	5.39E-09	-2.94E-07
730	490336.72, 3860285.12	4.85E-06	8.73E-08	-4.76E-06	2.04E-07	3.67E-09	-2.00E-07	3.06E-07	5.50E-09	-3.00E-07
731	490386.72, 3860285.12	4.92E-06	8.86E-08	-4.83E-06	2.07E-07	3.73E-09	-2.03E-07	3.10E-07	5.58E-09	-3.05E-07
732	490436.72, 3860285.12	5.03E-06	9.06E-08	-4.94E-06	2.12E-07	3.81E-09	-2.08E-07	3.17E-07	5.71E-09	-3.11E-07
733	490486.72, 3860285.12	5.13E-06	9.24E-08	-5.04E-06	2.16E-07	3.89E-09	-2.12E-07	3.23E-07	5.82E-09	-3.18E-07
734	490536.72, 3860285.12	5.27E-06	9.49E-08	-5.17E-06	2.22E-07	3.99E-09	-2.18E-07	3.32E-07	5.98E-09	-3.26E-07
735	490586.72, 3860285.12	5.39E-06	9.71E-08	-5.30E-06	2.27E-07	4.09E-09	-2.23E-07	3.40E-07	6.12E-09	-3.34E-07
736	490636.72, 3860285.12	5.50E-06	9.91E-08	-5.41E-06	2.32E-07	4.17E-09	-2.27E-07	3.47E-07	6.24E-09	-3.41E-07
737	490686.72, 3860285.12	5.60E-06	1.01E-07	-5.50E-06	2.36E-07	4.24E-09	-2.31E-07	3.53E-07	6.36E-09	-3.47E-07
738	490736.72, 3860285.12	5.74E-06	1.03E-07	-5.64E-06	2.42E-07	4.35E-09	-2.37E-07	3.62E-07	6.51E-09	-3.55E-07
739	490786.72, 3860285.12	5.87E-06	1.06E-07	-5.77E-06	2.47E-07	4.45E-09	-2.43E-07	3.70E-07	6.66E-09	-3.63E-07
740	490086.72, 3860335.12	4.71E-06	8.48E-08	-4.62E-06	1.98E-07	3.57E-09	-1.95E-07	2.97E-07	5.34E-09	-2.91E-07
741	490136.72, 3860335.12	4.72E-06	8.50E-08	-4.64E-06	1.99E-07	3.58E-09	-1.95E-07	2.97E-07	5.36E-09	-2.92E-07
742	490186.72, 3860335.12	4.78E-06	8.61E-08	-4.70E-06	2.01E-07	3.62E-09	-1.98E-07	3.01E-07	5.42E-09	-2.96E-07
743	490236.72, 3860335.12	4.81E-06	8.66E-08	-4.73E-06	2.02E-07	3.65E-09	-1.99E-07	3.03E-07	5.46E-09	-2.98E-07
744	490286.72, 3860335.12	4.91E-06	8.83E-08	-4.82E-06	2.06E-07	3.72E-09	-2.03E-07	3.09E-07	5.57E-09	-3.04E-07
745	490336.72, 3860335.12	5.01E-06	9.02E-08	-4.92E-06	2.11E-07	3.80E-09	-2.07E-07	3.16E-07	5.68E-09	-3.10E-07

746	490386.72, 3860335.12	5.10E-06	9.19E-08	-5.01E-06	2.15E-07	3.87E-09	-2.11E-07	3.21E-07	5.79E-09	-3.16E-07
747	490436.72, 3860335.12	5.20E-06	9.36E-08	-5.11E-06	2.19E-07	3.94E-09	-2.15E-07	3.28E-07	5.90E-09	-3.22E-07
748	490486.72, 3860335.12	5.31E-06	9.56E-08	-5.22E-06	2.23E-07	4.02E-09	-2.19E-07	3.35E-07	6.02E-09	-3.29E-07
749	490536.72, 3860335.12	5.40E-06	9.72E-08	-5.30E-06	2.27E-07	4.09E-09	-2.23E-07	3.40E-07	6.13E-09	-3.34E-07
750	490586.72, 3860335.12	5.54E-06	9.97E-08	-5.44E-06	2.33E-07	4.20E-09	-2.29E-07	3.49E-07	6.28E-09	-3.43E-07
751	490636.72, 3860335.12	5.65E-06	1.02E-07	-5.55E-06	2.38E-07	4.28E-09	-2.34E-07	3.56E-07	6.41E-09	-3.50E-07
752	490686.72, 3860335.12	5.77E-06	1.04E-07	-5.66E-06	2.43E-07	4.37E-09	-2.38E-07	3.63E-07	6.54E-09	-3.57E-07
753	490736.72, 3860335.12	5.88E-06	1.06E-07	-5.77E-06	2.47E-07	4.45E-09	-2.43E-07	3.70E-07	6.67E-09	-3.64E-07
754	490786.72, 3860335.12	5.95E-06	1.07E-07	-5.84E-06	2.50E-07	4.50E-09	-2.46E-07	3.75E-07	6.74E-09	-3.68E-07
755	490086.72, 3860385.12	4.82E-06	8.67E-08	-4.73E-06	2.03E-07	3.65E-09	-1.99E-07	3.04E-07	5.46E-09	-2.98E-07
756	490136.72, 3860385.12	4.83E-06	8.70E-08	-4.75E-06	2.03E-07	3.66E-09	-2.00E-07	3.04E-07	5.48E-09	-2.99E-07
757	490186.72, 3860385.12	4.92E-06	8.86E-08	-4.83E-06	2.07E-07	3.73E-09	-2.03E-07	3.10E-07	5.58E-09	-3.05E-07
758	490236.72, 3860385.12	4.97E-06	8.95E-08	-4.88E-06	2.09E-07	3.77E-09	-2.05E-07	3.13E-07	5.64E-09	-3.08E-07
759	490286.72, 3860385.12	5.06E-06	9.12E-08	-4.97E-06	2.13E-07	3.84E-09	-2.09E-07	3.19E-07	5.74E-09	-3.13E-07
760	490336.72, 3860385.12	5.16E-06	9.29E-08	-5.07E-06	2.17E-07	3.91E-09	-2.13E-07	3.25E-07	5.85E-09	-3.19E-07
761	490386.72, 3860385.12	5.27E-06	9.48E-08	-5.17E-06	2.22E-07	3.99E-09	-2.18E-07	3.32E-07	5.97E-09	-3.26E-07
762	490436.72, 3860385.12	5.37E-06	9.67E-08	-5.27E-06	2.26E-07	4.07E-09	-2.22E-07	3.38E-07	6.09E-09	-3.32E-07
763	490486.72, 3860385.12	5.46E-06	9.84E-08	-5.36E-06	2.30E-07	4.14E-09	-2.26E-07	3.44E-07	6.20E-09	-3.38E-07
764	490536.72, 3860385.12	5.57E-06	1.00E-07	-5.47E-06	2.34E-07	4.22E-09	-2.30E-07	3.51E-07	6.32E-09	-3.45E-07
765	490586.72, 3860385.12	5.69E-06	1.02E-07	-5.58E-06	2.39E-07	4.31E-09	-2.35E-07	3.58E-07	6.45E-09	-3.52E-07
766	490636.72, 3860385.12	5.82E-06	1.05E-07	-5.72E-06	2.45E-07	4.41E-09	-2.40E-07	3.67E-07	6.60E-09	-3.60E-07
767	490686.72, 3860385.12	5.92E-06	1.07E-07	-5.82E-06	2.49E-07	4.49E-09	-2.45E-07	3.73E-07	6.72E-09	-3.66E-07
768	490736.72, 3860385.12	6.06E-06	1.09E-07	-5.96E-06	2.55E-07	4.59E-09	-2.51E-07	3.82E-07	6.88E-09	-3.75E-07
769	490786.72, 3860385.12	6.19E-06	1.11E-07	-6.08E-06	2.60E-07	4.69E-09	-2.56E-07	3.90E-07	7.02E-09	-3.83E-07
770	490136.72, 3860435.12	4.96E-06	8.92E-08	-4.87E-06	2.09E-07	3.75E-09	-2.05E-07	3.12E-07	5.62E-09	-3.07E-07
771	490186.72, 3860435.12	5.01E-06	9.01E-08	-4.92E-06	2.11E-07	3.79E-09	-2.07E-07	3.15E-07	5.68E-09	-3.10E-07
772	490236.72, 3860435.12	5.08E-06	9.15E-08	-4.99E-06	2.14E-07	3.85E-09	-2.10E-07	3.20E-07	5.77E-09	-3.14E-07
773	490286.72, 3860435.12	5.18E-06	9.32E-08	-5.08E-06	2.18E-07	3.92E-09	-2.14E-07	3.26E-07	5.87E-09	-3.20E-07
774	490336.72, 3860435.12	5.30E-06	9.54E-08	-5.21E-06	2.23E-07	4.02E-09	-2.19E-07	3.34E-07	6.01E-09	-3.28E-07
775	490386.72, 3860435.12	5.40E-06	9.73E-08	-5.31E-06	2.27E-07	4.09E-09	-2.23E-07	3.40E-07	6.13E-09	-3.34E-07
776	490436.72, 3860435.12	5.51E-06	9.93E-08	-5.42E-06	2.32E-07	4.18E-09	-2.28E-07	3.47E-07	6.25E-09	-3.41E-07
777	490486.72, 3860435.12	5.63E-06	1.01E-07	-5.53E-06	2.37E-07	4.26E-09	-2.33E-07	3.55E-07	6.38E-09	-3.48E-07
778	490536.72, 3860435.12	5.73E-06	1.03E-07	-5.63E-06	2.41E-07	4.34E-09	-2.37E-07	3.61E-07	6.50E-09	-3.55E-07
779	490586.72, 3860435.12	5.87E-06	1.06E-07	-5.76E-06	2.47E-07	4.44E-09	-2.42E-07	3.70E-07	6.65E-09	-3.63E-07
780	490636.72, 3860435.12	6.01E-06	1.08E-07	-5.90E-06	2.53E-07	4.55E-09	-2.48E-07	3.78E-07	6.81E-09	-3.72E-07
781	490686.72, 3860435.12	6.13E-06	1.10E-07	-6.02E-06	2.58E-07	4.64E-09	-2.53E-07	3.86E-07	6.95E-09	-3.79E-07
782	490736.72, 3860435.12	6.22E-06	1.12E-07	-6.11E-06	2.62E-07	4.71E-09	-2.57E-07	3.92E-07	7.06E-09	-3.85E-07
783	490786.72, 3860435.12	6.37E-06	1.15E-07	-6.26E-06	2.68E-07	4.82E-09	-2.63E-07	4.01E-07	7.22E-09	-3.94E-07
784	490136.72, 3860485.12	4.99E-06	8.98E-08	-4.90E-06	2.10E-07	3.78E-09	-2.06E-07	3.14E-07	5.65E-09	-3.08E-07
785	490186.72, 3860485.12	5.07E-06	9.12E-08	-4.98E-06	2.13E-07	3.84E-09	-2.09E-07	3.19E-07	5.75E-09	-3.13E-07
786	490236.72, 3860485.12	5.18E-06	9.32E-08	-5.08E-06	2.18E-07	3.92E-09	-2.14E-07	3.26E-07	5.87E-09	-3.20E-07
787	490286.72, 3860485.12	5.25E-06	9.46E-08	-5.16E-06	2.21E-07	3.98E-09	-2.17E-07	3.31E-07	5.96E-09	-3.25E-07
788	490336.72, 3860485.12	5.38E-06	9.69E-08	-5.28E-06	2.26E-07	4.08E-09	-2.22E-07	3.39E-07	6.10E-09	-3.33E-07
789	490386.72, 3860485.12	5.48E-06	9.87E-08	-5.38E-06	2.31E-07	4.15E-09	-2.26E-07	3.45E-07	6.22E-09	-3.39E-07
790	490436.72, 3860485.12	5.56E-06	1.00E-07	-5.46E-06	2.34E-07	4.21E-09	-2.30E-07	3.50E-07	6.30E-09	-3.44E-07
791	490486.72, 3860485.12	5.71E-06	1.03E-07	-5.60E-06	2.40E-07	4.32E-09	-2.36E-07	3.59E-07	6.47E-09	-3.53E-07
792	490536.72, 3860485.12	5.86E-06	1.06E-07	-5.76E-06	2.47E-07	4.44E-09	-2.42E-07	3.69E-07	6.65E-09	-3.63E-07
793	490586.72, 3860485.12	6.02E-06	1.08E-07	-5.91E-06	2.53E-07	4.56E-09	-2.49E-07	3.79E-07	6.82E-09	-3.72E-07
794	490636.72, 3860485.12	6.14E-06	1.10E-07	-6.03E-06	2.58E-07	4.65E-09	-2.54E-07	3.87E-07	6.96E-09	-3.80E-07
795	490686.72, 3860485.12	6.30E-06	1.13E-07	-6.19E-06	2.65E-07	4.77E-09	-2.60E-07	3.97E-07	7.15E-09	-3.90E-07
796	490736.72, 3860485.12	6.43E-06	1.16E-07	-6.31E-06	2.70E-07	4.87E-09	-2.65E-07	4.05E-07	7.29E-09	-3.98E-07
797	490786.72, 3860485.12	6.56E-06	1.18E-07	-6.44E-06	2.76E-07	4.97E-09	-2.71E-07	4.13E-07	7.44E-09	-4.06E-07
798	490136.72, 3860535.12	5.03E-06	9.06E-08	-4.94E-06	2.12E-07	3.81E-09	-2.08E-07	3.17E-07	5.71E-09	-3.11E-07
799	490186.72, 3860535.12	5.03E-06	9.06E-08	-4.94E-06	2.12E-07	3.81E-09	-2.08E-07	3.17E-07	5.71E-09	-3.11E-07
800	490236.72, 3860535.12	5.22E-06	9.39E-08	-5.12E-06	2.20E-07	3.95E-09	-2.16E-07	3.29E-07	5.92E-09	-3.23E-07
801	490286.72, 3860535.12	5.34E-06	9.62E-08	-5.25E-06	2.25E-07	4.05E-09	-2.21E-07	3.36E-07	6.06E-09	-3.30E-07
802	490336.72, 3860535.12	5.44E-06	9.79E-08	-5.34E-06	2.29E-07	4.12E-09	-2.25E-07	3.43E-07	6.17E-09	-3.36E-07
803	490386.72, 3860535.12	5.51E-06	9.92E-08	-5.41E-06	2.32E-07	4.17E-09	-2.28E-07	3.47E-07	6.25E-09	-3.41E-07
804	490436.72, 3860535.12	5.60E-06	1.01E-07	-5.50E-06	2.36E-07	4.24E-09	-2.31E-07	3.53E-07	6.35E-09	-3.46E-07
805	490486.72, 3860535.12	5.72E-06	1.03E-07	-5.61E-06	2.41E-07	4.33E-09	-2.36E-07	3.60E-07	6.48E-09	-3.54E-07
806	490536.72, 3860535.12	5.73E-06	1.03E-07	-5.62E-06	2.41E-07	4.34E-09	-2.37E-07	3.61E-07	6.49E-09	-3.54E-07
807	490586.72, 3860535.12	6.06E-06	1.09E-07	-5.95E-06	2.55E-07	4.59E-09	-2.50E-07	3.82E-07	6.87E-09	-3.75E-07
808	490636.72, 3860535.12	6.23E-06	1.12E-07	-6.12E-06	2.62E-07	4.72E-09	-2.58E-07	3.93E-07	7.07E-09	-3.86E-07
809	490686.72, 3860535.12	6.38E-06	1.15E-07	-6.27E-06	2.68E-07	4.83E-09	-2.64E-07	4.02E-07	7.24E-09	-3.95E-07
810	490736.72, 3860535.12	6.56E-06	1.18E-07	-6.44E-06	2.76E-07	4.97E-09	-2.71E-07	4.13E-07	7.44E-09	-4.06E-07
811	490786.72, 3860535.12	6.70E-06	1.21E-07	-6.58E-06	2.82E-07	5.07E-09	-2.77E-07	4.22E-07	7.60E-09	-4.14E-07
812	490136.72, 3860585.12	4.99E-06	8.99E-08	-4.90E-06	2.10E-07	3.78E-09	-2.06E-07	3.15E-07	5.66E-09	-3.09E-07
813	490186.72, 3860585.12	5.30E-06	9.54E-08	-5.20E-06	2.23E-07	4.01E-09	-2.19E-07	3.34E-07	6.01E-09	-3.28E-07
814	490236.72, 3860585.12	5.33E-06	9.59E-08	-5.23E-06	2.24E-07	4.04E-09	-2.20E-07	3.36E-07	6.04E-09	-3.30E-07
815	490286.72, 3860585.12	5.39E-06	9.70E-08	-5.29E-06	2.27E-07	4.08E-09	-2.23E-07	3.40E-07	6.11E-09	-3.33E-07
816	490336.72, 3860585.12	5.50E-06	9.90E-08	-5.40E-06	2.31E-07	4.16E-09	-2.27E-07	3.46E-07	6.23E-09	-3.40E-07
817	490386.72, 3860585.12	5.62E-06	1.01E-07	-5.51E-06	2.36E-07	4.25E-09	-2.32E-07	3.54E-07	6.37E-09	-3.47E-07
818	490436.72, 3860585.12	5.58E-06	1.00E-07	-5.48E-06	2.35E-07	4.23E-09	-2.31E-07	3.52E-07	6.33E-09	-3.45E-07
819	490486.72, 3860585.12	5.57E-06	1.00E-07	-5.47E-06	2.35E-07	4.22E-09	-2.30E-07	3.51E-07	6.32E-09	-3.45E-07
820	490536.72, 3860585.12	5.76E-06	1.04E-07	-5.66E-06	2.42E-07	4.36E-09	-2.38E-07	3.63E-07	6.53E-09	-3.56E-07
821	490586.72, 3860585.12	6.16E-06	1.11E-07	-6.05E-06	2.59E-07	4.67E-09	-2.54E-07	3.88E-07	6.99E-09	-3.81E-07
822	490636.72, 3860585.12	6.31E-06	1.14E-07	-6.19E-06	2.65E-07	4.78E-09	-2.60E-07	3.97E-07	7.15E-09	-3.90E-07
823	490686.72, 3860585.12	6.47E-06	1.16E-07	-6.35E-06	2.72E-07	4.90E-09	-2.67E-07	4.08E-07	7.34E-09	-4.00E-07
824	490736.72, 3860585.12	6.63E-06	1.19E-07	-6.51E-06	2.79E-07	5.02E-09	-2.74E-07	4.18E-07	7.52E-09	-4.10E-07
825	490786.72, 3860585.12	6.82E-06	1.23E-07	-6.70E-06	2.87E-07	5.17E-09	-2.82E-07	4.30E-07	7.74E-09	-4.22E-07
826	490136.72, 3860635.12	4.82E-06	8.68E-08	-4.73E-06	2.03E-07	3.65E-09	-1.99E-07	3.04E-07	5.47E-09	-2.98E-07
827	490186.72, 3860635.12	5.11E-06	9.20E-08	-5.02E-06	2.15E-07	3.87E-09	-2.11E-07	3.22E-07	5.79E-09	-3.16E-07
828	490236.72, 3860635.12	5.32E-06	9.58E-08	-5.22E-06	2.24E-07	4.03E-09	-2.20E-07	3.35E-07	6.03E-09	-3.29E-07
829	490286.72, 3860635.12	5.48E-06	9.87E-08	-5.38E-06	2.31E-07	4.15E-09	-2.26E-07	3.45E-07	6.22E-09	-3.39E-07
830	490336.72, 3860635.12	5.56E-06	1.00E-07	-5.46E-06	2.34E-07	4.21E-09	-2.30E-07	3.51E-07	6.31E-09	-3.44E-07
831	490386.72, 3860635.12	5.66E-06	1.02E-07	-5.56E-06	2.38E-07	4.29E-09	-2.34E-07	3.57E-07	6.42E-09	-3.50E-07
832	490436.72, 3860635.12	5.79E-06	1.04E-07	-5.69E-06	2.44E-07	4.39E-09	-2.39E-07	3.65E-07	6.57E-09	-3.58E-07
833	490486.72, 3860635.12	5.90E-06	1.06E-07	-5.79E-06	2.48E-07	4.47E-09	-2.44E-07	3.71E-07	6.69E-09	-3.65E-07
834	490536.72, 3860635.12	5.95E-06	1.07E-07	-5.85E-06	2.51E-07	4.51E-09	-2.46E-07	3.75E-07	6.75E-09	-3.68E-07
835	490586.72, 3860635.12	6.19E-06	1.11E-07	-6.08E-06	2.60E-07	4.69E-09	-2.56E-07	3.90E-07	7.02E-09	-3.83E-07
836	490636.72, 3860635.12	6.33E-06	1.14E-07	-6.21E-06	2.66E-07	4.79E-09	-2.61E-07	3.99E-07	7.18E-09	-3.91E-07
837	490686.72, 3860635.12	6.50E-06	1.17E-07	-6.38E-06	2.74E-07	4.92E-09	-2.69E-07	4.10E-07	7.37E-09	-4.02E-07
838	490736.72, 3860635.12	6.72E-06	1.21E-07	-6.60E-06	2.83E-07	5.09E-09	-2.78E-07	4.24E-07	7.63E-09	-4.16E-07
839	490786.72, 3860635.12	6.89E-06	1.24E-07	-6.77E-06	2.90E-07	5.22E-09	-2.85E-07	4.34E-07	7.82E-09	-4.26E-07
840	490136.72, 3860685.12	4.93E-06	8.87E-08	-4.84E-06	2.07E-07	3.73E-09	-2.04E-07	3.10E-07	5.59E-09	-3.05E-07
841	490186.72, 3860685.12	4.82E-06	8.69E-08	-4.74E-06	2.03E-07	3.65E-09	-1.99E-07	3.04E-07	5.47E-09	-2.98E-07
842	490236.72, 3860685.12	5.18E-06	9.33E-08	-5.09E-06	2.18E-07	3.93E-09	-2.14E-07	3.26E-07	5.88E-09	-3.21E-07
843	490286.72, 3860685.12	5.56E-06	1.00E-07	-5.46E-06	2.34E-07	4.21E-09	-2.30E-07	3.50E-07	6.31E-09	-3.44E-07
844	490336.72, 3860685.12	5.60E-06	1.01E-07	-5.50E-06	2.36E-07	4.24E-09	-2.31E-07	3.53E-07	6.35E-09	-3.46E-07
845	490386.72, 3860685.12	5.70E-06	1.03E-07	-5.60E-06	2.40E-07	4.32E-09	-2.36E-07	3.59E-07	6.47E-09	-3.53E-07
846	490436.72, 3860685.12	5.87E-06	1.06E-07	-5.77E-06	2.47E-07	4.45E-09	-2.43E-07	3.70E-07	6.66E-09	-3.63E-07
847	490486.72, 3860685.12	6.05E-06	1.09E-07	-5.94E-06	2.54E-07	4.58E-09	-2.50E-07	3.81E-07	6.86E-09	-3.74E-07
848	490536.72, 3860685.12	6.16E-06	1.11E-07	-6.05E-06	2.59E-07	4.66E-09	-2.54E-07	3.88E-07	6.98E-09	-3.81E-07
849	490586.72, 3860685.12	6.29E-06	1.13E-07	-6.17E-06	2.64E-07	4.76E-09	-2.60E-07	3.96E-07	7.13E-09	-3.89E-07
850	490636.72, 3860685.12	6.40E-06	1.15E-07	-6.29E-06	2.69E-07	4.85E-09	-2.64E-07	4.03E-07	7.26E-09	-3.96E-07
851	490686.72, 3860685.12	6.52E-06	1.17E-07	-6.40E-06	2.74E-07	4.94E-09	-2.69E-07	4.11E-07	7.39E-09	-4.03E-07
852	490736.72, 3860685.12	6.72E-06	1.21E-07	-6.60E-06	2.83E-07	5.09E-09	-2.78E-07	4.23E-07	7.62E-09	-4.16E-07

853	490786.72, 3860685.12	6.83E-06	1.23E-07	-6.70E-06	2.87E-07	5.17E-09	-2.82E-07	4.30E-07	7.74E-09	-4.22E-07
854	490136.72, 3860735.12	5.20E-06	9.37E-08	-5.11E-06	2.19E-07	3.94E-09	-2.15E-07	3.28E-07	5.90E-09	-3.22E-07
855	490186.72, 3860735.12	5.36E-06	9.65E-08	-5.26E-06	2.26E-07	4.06E-09	-2.21E-07	3.38E-07	6.08E-09	-3.32E-07
856	490236.72, 3860735.12	5.48E-06	9.87E-08	-5.38E-06	2.31E-07	4.15E-09	-2.26E-07	3.45E-07	6.22E-09	-3.39E-07
857	490286.72, 3860735.12	5.58E-06	1.00E-07	-5.48E-06	2.35E-07	4.23E-09	-2.30E-07	3.51E-07	6.33E-09	-3.45E-07
858	490336.72, 3860735.12	5.69E-06	1.03E-07	-5.59E-06	2.40E-07	4.31E-09	-2.35E-07	3.59E-07	6.46E-09	-3.52E-07
859	490386.72, 3860735.12	5.77E-06	1.04E-07	-5.66E-06	2.43E-07	4.37E-09	-2.38E-07	3.63E-07	6.54E-09	-3.57E-07
860	490436.72, 3860735.12	5.75E-06	1.03E-07	-5.64E-06	2.42E-07	4.35E-09	-2.37E-07	3.62E-07	6.52E-09	-3.55E-07
861	490486.72, 3860735.12	5.96E-06	1.07E-07	-5.86E-06	2.51E-07	4.52E-09	-2.46E-07	3.76E-07	6.76E-09	-3.69E-07
862	490536.72, 3860735.12	6.26E-06	1.13E-07	-6.15E-06	2.63E-07	4.74E-09	-2.59E-07	3.94E-07	7.10E-09	-3.87E-07
863	490586.72, 3860735.12	6.43E-06	1.16E-07	-6.31E-06	2.70E-07	4.87E-09	-2.66E-07	4.05E-07	7.29E-09	-3.98E-07
864	490636.72, 3860735.12	6.57E-06	1.18E-07	-6.45E-06	2.76E-07	4.98E-09	-2.72E-07	4.14E-07	7.45E-09	-4.07E-07
865	490686.72, 3860735.12	6.65E-06	1.20E-07	-6.53E-06	2.80E-07	5.03E-09	-2.75E-07	4.19E-07	7.54E-09	-4.11E-07
866	490736.72, 3860735.12	6.73E-06	1.21E-07	-6.61E-06	2.83E-07	5.10E-09	-2.78E-07	4.24E-07	7.64E-09	-4.16E-07
867	490136.72, 3860785.12	5.35E-06	9.63E-08	-5.25E-06	2.25E-07	4.05E-09	-2.21E-07	3.37E-07	6.07E-09	-3.31E-07
868	490186.72, 3860785.12	5.45E-06	9.81E-08	-5.35E-06	2.29E-07	4.13E-09	-2.25E-07	3.43E-07	6.18E-09	-3.37E-07
869	490236.72, 3860785.12	5.56E-06	1.00E-07	-5.46E-06	2.34E-07	4.21E-09	-2.30E-07	3.51E-07	6.31E-09	-3.44E-07
870	490286.72, 3860785.12	5.67E-06	1.02E-07	-5.57E-06	2.39E-07	4.30E-09	-2.34E-07	3.57E-07	6.43E-09	-3.51E-07
871	490336.72, 3860785.12	5.80E-06	1.04E-07	-5.69E-06	2.44E-07	4.39E-09	-2.39E-07	3.65E-07	6.57E-09	-3.59E-07
872	490386.72, 3860785.12	5.83E-06	1.05E-07	-5.72E-06	2.45E-07	4.41E-09	-2.41E-07	3.67E-07	6.61E-09	-3.60E-07
873	490436.72, 3860785.12	5.96E-06	1.07E-07	-5.85E-06	2.51E-07	4.51E-09	-2.46E-07	3.75E-07	6.76E-09	-3.69E-07
874	490486.72, 3860785.12	6.00E-06	1.08E-07	-5.90E-06	2.53E-07	4.55E-09	-2.48E-07	3.78E-07	6.81E-09	-3.71E-07
875	490536.72, 3860785.12	6.22E-06	1.12E-07	-6.11E-06	2.62E-07	4.71E-09	-2.57E-07	3.92E-07	7.06E-09	-3.85E-07
876	490586.72, 3860785.12	6.52E-06	1.17E-07	-6.40E-06	2.74E-07	4.94E-09	-2.69E-07	4.11E-07	7.40E-09	-4.03E-07
877	490636.72, 3860785.12	6.70E-06	1.21E-07	-6.58E-06	2.82E-07	5.08E-09	-2.77E-07	4.22E-07	7.60E-09	-4.15E-07
878	490686.72, 3860785.12	6.83E-06	1.23E-07	-6.71E-06	2.87E-07	5.17E-09	-2.82E-07	4.30E-07	7.75E-09	-4.23E-07
879	490736.72, 3860785.12	6.90E-06	1.24E-07	-6.78E-06	2.90E-07	5.23E-09	-2.85E-07	4.35E-07	7.83E-09	-4.27E-07
880	490086.72, 3860835.12	5.29E-06	9.52E-08	-5.19E-06	2.22E-07	4.00E-09	-2.18E-07	3.33E-07	5.99E-09	-3.27E-07
881	490136.72, 3860835.12	5.33E-06	9.60E-08	-5.24E-06	2.24E-07	4.04E-09	-2.20E-07	3.36E-07	6.05E-09	-3.30E-07
882	490186.72, 3860835.12	5.48E-06	9.86E-08	-5.38E-06	2.30E-07	4.15E-09	-2.26E-07	3.45E-07	6.21E-09	-3.39E-07
883	490236.72, 3860835.12	5.61E-06	1.01E-07	-5.51E-06	2.36E-07	4.25E-09	-2.32E-07	3.53E-07	6.36E-09	-3.47E-07
884	490286.72, 3860835.12	5.70E-06	1.03E-07	-5.60E-06	2.40E-07	4.32E-09	-2.36E-07	3.59E-07	6.47E-09	-3.53E-07
885	490336.72, 3860835.12	5.85E-06	1.05E-07	-5.74E-06	2.46E-07	4.43E-09	-2.41E-07	3.68E-07	6.63E-09	-3.62E-07
886	490386.72, 3860835.12	5.97E-06	1.08E-07	-5.87E-06	2.51E-07	4.52E-09	-2.47E-07	3.76E-07	6.77E-09	-3.70E-07
887	490436.72, 3860835.12	6.05E-06	1.09E-07	-5.94E-06	2.54E-07	4.58E-09	-2.50E-07	3.81E-07	6.86E-09	-3.74E-07
888	490486.72, 3860835.12	6.15E-06	1.11E-07	-6.04E-06	2.59E-07	4.66E-09	-2.54E-07	3.87E-07	6.97E-09	-3.80E-07
889	490536.72, 3860835.12	6.30E-06	1.13E-07	-6.19E-06	2.65E-07	4.77E-09	-2.60E-07	3.97E-07	7.15E-09	-3.90E-07
890	490586.72, 3860835.12	6.52E-06	1.17E-07	-6.41E-06	2.74E-07	4.94E-09	-2.69E-07	4.11E-07	7.40E-09	-4.04E-07
891	490636.72, 3860835.12	6.75E-06	1.21E-07	-6.62E-06	2.84E-07	5.11E-09	-2.79E-07	4.25E-07	7.65E-09	-4.17E-07
892	490686.72, 3860835.12	6.90E-06	1.24E-07	-6.78E-06	2.90E-07	5.23E-09	-2.85E-07	4.35E-07	7.83E-09	-4.27E-07
893	490736.72, 3860835.12	6.99E-06	1.26E-07	-6.87E-06	2.94E-07	5.30E-09	-2.89E-07	4.40E-07	7.93E-09	-4.33E-07
894	490086.72, 3860885.12	5.26E-06	9.46E-08	-5.16E-06	2.21E-07	3.98E-09	-2.17E-07	3.31E-07	5.96E-09	-3.25E-07
895	490136.72, 3860885.12	5.36E-06	9.64E-08	-5.26E-06	2.25E-07	4.06E-09	-2.21E-07	3.37E-07	6.07E-09	-3.31E-07
896	490186.72, 3860885.12	5.48E-06	9.87E-08	-5.38E-06	2.31E-07	4.15E-09	-2.26E-07	3.45E-07	6.22E-09	-3.39E-07
897	490236.72, 3860885.12	5.60E-06	1.01E-07	-5.50E-06	2.35E-07	4.24E-09	-2.31E-07	3.53E-07	6.35E-09	-3.46E-07
898	490286.72, 3860885.12	5.72E-06	1.03E-07	-5.62E-06	2.41E-07	4.33E-09	-2.36E-07	3.60E-07	6.49E-09	-3.54E-07
899	490336.72, 3860885.12	5.87E-06	1.06E-07	-5.77E-06	2.47E-07	4.45E-09	-2.43E-07	3.70E-07	6.66E-09	-3.63E-07
900	490386.72, 3860885.12	5.97E-06	1.08E-07	-5.87E-06	2.51E-07	4.53E-09	-2.47E-07	3.76E-07	6.78E-09	-3.70E-07
901	490436.72, 3860885.12	6.06E-06	1.09E-07	-5.95E-06	2.55E-07	4.59E-09	-2.50E-07	3.82E-07	6.87E-09	-3.75E-07
902	490486.72, 3860885.12	6.19E-06	1.11E-07	-6.08E-06	2.60E-07	4.69E-09	-2.56E-07	3.90E-07	7.02E-09	-3.83E-07
903	490536.72, 3860885.12	6.35E-06	1.14E-07	-6.23E-06	2.67E-07	4.81E-09	-2.62E-07	4.00E-07	7.20E-09	-3.93E-07
904	490586.72, 3860885.12	6.54E-06	1.18E-07	-6.42E-06	2.75E-07	4.95E-09	-2.70E-07	4.12E-07	7.42E-09	-4.05E-07
905	490636.72, 3860885.12	6.76E-06	1.22E-07	-6.64E-06	2.84E-07	5.12E-09	-2.79E-07	4.26E-07	7.67E-09	-4.18E-07
906	490686.72, 3860885.12	6.95E-06	1.25E-07	-6.83E-06	2.92E-07	5.26E-09	-2.87E-07	4.38E-07	7.88E-09	-4.30E-07
907	490736.72, 3860885.12	7.12E-06	1.28E-07	-7.00E-06	3.00E-07	5.40E-09	-2.94E-07	4.49E-07	8.08E-09	-4.41E-07
908	490086.72, 3860935.12	5.31E-06	9.56E-08	-5.22E-06	2.23E-07	4.02E-09	-2.19E-07	3.35E-07	6.02E-09	-3.29E-07
909	490136.72, 3860935.12	5.46E-06	9.82E-08	-5.36E-06	2.30E-07	4.13E-09	-2.25E-07	3.44E-07	6.19E-09	-3.38E-07
910	490186.72, 3860935.12	5.54E-06	9.97E-08	-5.44E-06	2.33E-07	4.19E-09	-2.29E-07	3.49E-07	6.28E-09	-3.42E-07
911	490236.72, 3860935.12	5.63E-06	1.01E-07	-5.53E-06	2.37E-07	4.27E-09	-2.33E-07	3.55E-07	6.39E-09	-3.49E-07
912	490286.72, 3860935.12	5.73E-06	1.03E-07	-5.63E-06	2.41E-07	4.34E-09	-2.37E-07	3.61E-07	6.50E-09	-3.54E-07
913	490336.72, 3860935.12	5.88E-06	1.06E-07	-5.78E-06	2.48E-07	4.46E-09	-2.43E-07	3.71E-07	6.67E-09	-3.64E-07
914	490386.72, 3860935.12	5.97E-06	1.08E-07	-5.87E-06	2.51E-07	4.52E-09	-2.47E-07	3.76E-07	6.77E-09	-3.70E-07
915	490436.72, 3860935.12	6.07E-06	1.09E-07	-5.96E-06	2.55E-07	4.59E-09	-2.51E-07	3.82E-07	6.88E-09	-3.75E-07
916	490486.72, 3860935.12	6.22E-06	1.12E-07	-6.10E-06	2.61E-07	4.71E-09	-2.57E-07	3.92E-07	7.05E-09	-3.84E-07
917	490536.72, 3860935.12	6.36E-06	1.14E-07	-6.24E-06	2.67E-07	4.81E-09	-2.63E-07	4.00E-07	7.21E-09	-3.93E-07
918	490586.72, 3860935.12	6.55E-06	1.18E-07	-6.44E-06	2.76E-07	4.96E-09	-2.71E-07	4.13E-07	7.43E-09	-4.05E-07
919	490636.72, 3860935.12	6.77E-06	1.22E-07	-6.65E-06	2.85E-07	5.13E-09	-2.80E-07	4.26E-07	7.67E-09	-4.19E-07
920	490686.72, 3860935.12	6.96E-06	1.25E-07	-6.84E-06	2.93E-07	5.28E-09	-2.88E-07	4.39E-07	7.90E-09	-4.31E-07
921	490736.72, 3860935.12	7.17E-06	1.29E-07	-7.04E-06	3.02E-07	5.43E-09	-2.96E-07	4.51E-07	8.13E-09	-4.43E-07
922	490786.72, 3860935.12	7.36E-06	1.33E-07	-7.23E-06	3.10E-07	5.57E-09	-3.04E-07	4.64E-07	8.35E-09	-4.55E-07
923	490836.72, 3860935.12	7.48E-06	1.35E-07	-7.35E-06	3.15E-07	5.67E-09	-3.09E-07	4.71E-07	8.49E-09	-4.63E-07
924	490086.72, 3860985.12	5.36E-06	9.64E-08	-5.26E-06	2.25E-07	4.06E-09	-2.21E-07	3.37E-07	6.07E-09	-3.31E-07
925	490136.72, 3860985.12	5.46E-06	9.84E-08	-5.37E-06	2.30E-07	4.14E-09	-2.26E-07	3.44E-07	6.20E-09	-3.38E-07
926	490186.72, 3860985.12	5.54E-06	9.97E-08	-5.44E-06	2.33E-07	4.19E-09	-2.29E-07	3.49E-07	6.28E-09	-3.43E-07
927	490236.72, 3860985.12	5.69E-06	1.02E-07	-5.59E-06	2.39E-07	4.31E-09	-2.35E-07	3.58E-07	6.45E-09	-3.52E-07
928	490286.72, 3860985.12	5.81E-06	1.05E-07	-5.71E-06	2.45E-07	4.40E-09	-2.40E-07	3.66E-07	6.59E-09	-3.60E-07
929	490336.72, 3860985.12	5.94E-06	1.07E-07	-5.83E-06	2.50E-07	4.50E-09	-2.45E-07	3.74E-07	6.73E-09	-3.67E-07
930	490386.72, 3860985.12	6.04E-06	1.09E-07	-5.93E-06	2.54E-07	4.58E-09	-2.50E-07	3.81E-07	6.85E-09	-3.74E-07
931	490436.72, 3860985.12	6.10E-06	1.10E-07	-5.99E-06	2.57E-07	4.62E-09	-2.52E-07	3.84E-07	6.92E-09	-3.77E-07
932	490486.72, 3860985.12	6.25E-06	1.13E-07	-6.14E-06	2.63E-07	4.74E-09	-2.58E-07	3.94E-07	7.09E-09	-3.87E-07
933	490536.72, 3860985.12	6.44E-06	1.16E-07	-6.32E-06	2.71E-07	4.87E-09	-2.66E-07	4.05E-07	7.30E-09	-3.98E-07
934	490586.72, 3860985.12	6.63E-06	1.19E-07	-6.51E-06	2.79E-07	5.02E-09	-2.74E-07	4.17E-07	7.51E-09	-4.10E-07
935	490636.72, 3860985.12	6.79E-06	1.22E-07	-6.67E-06	2.86E-07	5.14E-09	-2.81E-07	4.28E-07	7.70E-09	-4.20E-07
936	490686.72, 3860985.12	7.01E-06	1.26E-07	-6.89E-06	2.95E-07	5.31E-09	-2.90E-07	4.42E-07	7.95E-09	-4.34E-07
937	490736.72, 3860985.12	7.24E-06	1.30E-07	-7.11E-06	3.05E-07	5.48E-09	-2.99E-07	4.56E-07	8.21E-09	-4.48E-07
938	490786.72, 3860985.12	7.44E-06	1.34E-07	-7.30E-06	3.13E-07	5.63E-09	-3.07E-07	4.69E-07	8.44E-09	-4.60E-07
939	490836.72, 3860985.12	7.60E-06	1.37E-07	-7.46E-06	3.20E-07	5.75E-09	-3.14E-07	4.79E-07	8.62E-09	-4.70E-07
940	490086.72, 3861035.12	5.46E-06	9.82E-08	-5.36E-06	2.30E-07	4.13E-09	-2.25E-07	3.44E-07	6.19E-09	-3.38E-07
941	490136.72, 3861035.12	5.55E-06	9.99E-08	-5.45E-06	2.34E-07	4.20E-09	-2.29E-07	3.50E-07	6.30E-09	-3.43E-07
942	490186.72, 3861035.12	5.66E-06	1.02E-07	-5.56E-06	2.38E-07	4.29E-09	-2.34E-07	3.57E-07	6.42E-09	-3.50E-07
943	490236.72, 3861035.12	5.76E-06	1.04E-07	-5.66E-06	2.42E-07	4.36E-09	-2.38E-07	3.63E-07	6.53E-09	-3.56E-07
944	490286.72, 3861035.12	5.91E-06	1.06E-07	-5.81E-06	2.49E-07	4.48E-09	-2.44E-07	3.72E-07	6.71E-09	-3.66E-07
945	490336.72, 3861035.12	6.05E-06	1.09E-07	-5.95E-06	2.55E-07	4.59E-09	-2.50E-07	3.81E-07	6.87E-09	-3.75E-07
946	490386.72, 3861035.12	6.12E-06	1.10E-07	-6.01E-06	2.57E-07	4.64E-09	-2.53E-07	3.86E-07	6.94E-09	-3.79E-07
947	490436.72, 3861035.12	6.19E-06	1.11E-07	-6.08E-06	2.60E-07	4.69E-09	-2.56E-07	3.90E-07	7.02E-09	-3.83E-07
948	490486.72, 3861035.12	6.33E-06	1.14E-07	-6.21E-06	2.66E-07	4.79E-09	-2.61E-07	3.99E-07	7.18E-09	-3.91E-07
949	490536.72, 3861035.12	6.50E-06	1.17E-07	-6.39E-06	2.74E-07	4.93E-09	-2.69E-07	4.10E-07	7.38E-09	-4.02E-07
950	490586.72, 3861035.12	6.70E-06	1.21E-07	-6.58E-06	2.82E-07	5.08E-09	-2.77E-07	4.22E-07	7.60E-09	-4.15E-07
951	490636.72, 3861035.12	6.91E-06	1.24E-07	-6.79E-06	2.91E-07	5.23E-09	-2.85E-07	4.35E-07	7.84E-09	-4.27E-07
952	490686.72, 3861035.12	7.13E-06	1.28E-07	-7.00E-06	3.00E-07	5.40E-09	-2.95E-07	4.49E-07	8.09E-09	-4.41E-07
953	490736.72, 3861035.12	7.35E-06	1.32E-07	-7.22E-06	3.09E-07	5.57E-09	-3.04E-07	4.63E-07	8.34E-09	-4.55E-07
954	490786.72, 3861035.12	7.54E-06	1.36E-07	-7.40E-06	3.17E-07	5.71E-09	-3.12E-07	4.75E-07	8.55E-09	-4.66E-07
955	490836.72, 3861035.12	7.73E-06	1.39E-07	-7.59E-06	3.25E-07	5.85E-09	-3.19E-07	4.87E-07	8.76E-09	-4.78E-07
956	490086.72, 3861085.12	5.57E-06	1.00E-07	-5.47E-06	2.34E-07	4.22E-09	-2.30E-07	3.51E-07	6.32E-09	-3.45E-07
957	490136.72, 3861085.12	5.63E-06	1.01E-07	-5.53E-06	2.37E-07	4.26E-09	-2.33E-07	3.55E-07	6.39E-09	-3.48E-07
958	490186.72, 3861085.12	5.68E-06	1.02E-07	-5.58E-06	2.39E-07	4.30E-09	-2.35E-07	3.58E-07	6.44E-09	-3.51E-07
959	490236.72, 3861085.12	5.84E-06	1.05E-07	-5.73E-06	2.46E-07	4.42E-09	-2.41E-07	3.68E-07	6.62E-09	-3.61E-07

960	490286.72, 3861085.12	5.99E-06	1.08E-07	-5.88E-06	2.52E-07	4.53E-09	-2.47E-07	3.77E-07	6.79E-09	-3.70E-07
961	490336.72, 3861085.12	6.14E-06	1.11E-07	-6.03E-06	2.58E-07	4.65E-09	-2.54E-07	3.87E-07	6.97E-09	-3.80E-07
962	490386.72, 3861085.12	6.22E-06	1.12E-07	-6.11E-06	2.62E-07	4.71E-09	-2.57E-07	3.92E-07	7.06E-09	-3.85E-07
963	490436.72, 3861085.12	6.35E-06	1.14E-07	-6.23E-06	2.67E-07	4.81E-09	-2.62E-07	4.00E-07	7.20E-09	-3.93E-07
964	490486.72, 3861085.12	6.48E-06	1.17E-07	-6.37E-06	2.73E-07	4.91E-09	-2.68E-07	4.09E-07	7.35E-09	-4.01E-07
965	490536.72, 3861085.12	6.59E-06	1.19E-07	-6.47E-06	2.77E-07	4.99E-09	-2.72E-07	4.15E-07	7.48E-09	-4.08E-07
966	490586.72, 3861085.12	6.80E-06	1.22E-07	-6.67E-06	2.86E-07	5.15E-09	-2.81E-07	4.28E-07	7.71E-09	-4.20E-07
967	490636.72, 3861085.12	7.05E-06	1.27E-07	-6.93E-06	2.97E-07	5.34E-09	-2.91E-07	4.44E-07	8.00E-09	-4.36E-07
968	490686.72, 3861085.12	7.27E-06	1.31E-07	-7.14E-06	3.06E-07	5.51E-09	-3.01E-07	4.58E-07	8.25E-09	-4.50E-07
969	490736.72, 3861085.12	7.47E-06	1.35E-07	-7.34E-06	3.14E-07	5.66E-09	-3.09E-07	4.71E-07	8.48E-09	-4.62E-07
970	490786.72, 3861085.12	7.68E-06	1.38E-07	-7.54E-06	3.23E-07	5.81E-09	-3.17E-07	4.84E-07	8.70E-09	-4.75E-07
971	490836.72, 3861085.12	7.88E-06	1.42E-07	-7.74E-06	3.32E-07	5.97E-09	-3.26E-07	4.97E-07	8.94E-09	-4.88E-07
972	490086.72, 3861135.12	5.70E-06	1.03E-07	-5.59E-06	2.40E-07	4.31E-09	-2.35E-07	3.59E-07	6.46E-09	-3.52E-07
973	490136.72, 3861135.12	5.77E-06	1.04E-07	-5.67E-06	2.43E-07	4.37E-09	-2.39E-07	3.64E-07	6.55E-09	-3.57E-07
974	490186.72, 3861135.12	5.84E-06	1.05E-07	-5.74E-06	2.46E-07	4.43E-09	-2.41E-07	3.68E-07	6.63E-09	-3.61E-07
975	490236.72, 3861135.12	5.94E-06	1.07E-07	-5.83E-06	2.50E-07	4.50E-09	-2.45E-07	3.74E-07	6.73E-09	-3.67E-07
976	490286.72, 3861135.12	6.06E-06	1.09E-07	-5.95E-06	2.55E-07	4.59E-09	-2.50E-07	3.82E-07	6.88E-09	-3.75E-07
977	490336.72, 3861135.12	6.22E-06	1.12E-07	-6.10E-06	2.62E-07	4.71E-09	-2.57E-07	3.92E-07	7.05E-09	-3.85E-07
978	490386.72, 3861135.12	6.34E-06	1.14E-07	-6.22E-06	2.67E-07	4.80E-09	-2.62E-07	3.99E-07	7.19E-09	-3.92E-07
979	490436.72, 3861135.12	6.48E-06	1.17E-07	-6.36E-06	2.73E-07	4.91E-09	-2.68E-07	4.08E-07	7.35E-09	-4.01E-07
980	490486.72, 3861135.12	6.61E-06	1.19E-07	-6.49E-06	2.78E-07	5.01E-09	-2.73E-07	4.17E-07	7.50E-09	-4.09E-07
981	490536.72, 3861135.12	6.76E-06	1.22E-07	-6.64E-06	2.84E-07	5.12E-09	-2.79E-07	4.26E-07	7.66E-09	-4.18E-07
982	490586.72, 3861135.12	6.94E-06	1.25E-07	-6.82E-06	2.92E-07	5.26E-09	-2.87E-07	4.37E-07	7.87E-09	-4.29E-07
983	490636.72, 3861135.12	7.18E-06	1.29E-07	-7.05E-06	3.02E-07	5.44E-09	-2.97E-07	4.53E-07	8.15E-09	-4.44E-07
984	490686.72, 3861135.12	7.39E-06	1.33E-07	-7.25E-06	3.11E-07	5.59E-09	-3.05E-07	4.65E-07	8.38E-09	-4.57E-07
985	490736.72, 3861135.12	7.58E-06	1.36E-07	-7.44E-06	3.19E-07	5.74E-09	-3.13E-07	4.77E-07	8.60E-09	-4.69E-07
986	490786.72, 3861135.12	7.79E-06	1.40E-07	-7.65E-06	3.28E-07	5.90E-09	-3.22E-07	4.91E-07	8.83E-09	-4.82E-07
987	490836.72, 3861135.12	8.02E-06	1.44E-07	-7.88E-06	3.38E-07	6.08E-09	-3.31E-07	5.05E-07	9.10E-09	-4.96E-07
988	490086.72, 3861185.12	5.81E-06	1.05E-07	-5.71E-06	2.45E-07	4.40E-09	-2.40E-07	3.66E-07	6.59E-09	-3.60E-07
989	490136.72, 3861185.12	5.95E-06	1.07E-07	-5.84E-06	2.50E-07	4.50E-09	-2.46E-07	3.75E-07	6.74E-09	-3.68E-07
990	490186.72, 3861185.12	6.04E-06	1.09E-07	-5.93E-06	2.54E-07	4.58E-09	-2.50E-07	3.81E-07	6.85E-09	-3.74E-07
991	490236.72, 3861185.12	6.13E-06	1.10E-07	-6.02E-06	2.58E-07	4.64E-09	-2.53E-07	3.86E-07	6.95E-09	-3.79E-07
992	490286.72, 3861185.12	6.20E-06	1.12E-07	-6.08E-06	2.61E-07	4.69E-09	-2.56E-07	3.90E-07	7.03E-09	-3.83E-07
993	490336.72, 3861185.12	6.41E-06	1.15E-07	-6.29E-06	2.70E-07	4.85E-09	-2.65E-07	4.04E-07	7.27E-09	-3.96E-07
994	490386.72, 3861185.12	6.53E-06	1.18E-07	-6.41E-06	2.75E-07	4.95E-09	-2.70E-07	4.11E-07	7.40E-09	-4.04E-07
995	490436.72, 3861185.12	6.62E-06	1.19E-07	-6.50E-06	2.79E-07	5.01E-09	-2.74E-07	4.17E-07	7.51E-09	-4.10E-07
996	490486.72, 3861185.12	6.77E-06	1.22E-07	-6.65E-06	2.85E-07	5.13E-09	-2.80E-07	4.27E-07	7.68E-09	-4.19E-07
997	490536.72, 3861185.12	6.83E-06	1.23E-07	-6.71E-06	2.87E-07	5.17E-09	-2.82E-07	4.30E-07	7.75E-09	-4.23E-07
998	490586.72, 3861185.12	7.04E-06	1.27E-07	-6.92E-06	2.96E-07	5.34E-09	-2.91E-07	4.44E-07	7.99E-09	-4.36E-07
999	490636.72, 3861185.12	7.34E-06	1.32E-07	-7.21E-06	3.09E-07	5.56E-09	-3.03E-07	4.62E-07	8.32E-09	-4.54E-07
1000	490686.72, 3861185.12	7.55E-06	1.36E-07	-7.41E-06	3.17E-07	5.72E-09	-3.12E-07	4.75E-07	8.56E-09	-4.67E-07
1001	490736.72, 3861185.12	7.70E-06	1.39E-07	-7.56E-06	3.24E-07	5.83E-09	-3.18E-07	4.85E-07	8.74E-09	-4.76E-07
1002	490786.72, 3861185.12	7.89E-06	1.42E-07	-7.75E-06	3.32E-07	5.98E-09	-3.26E-07	4.97E-07	8.95E-09	-4.88E-07
1003	490836.72, 3861185.12	8.12E-06	1.46E-07	-7.98E-06	3.42E-07	6.15E-09	-3.36E-07	5.12E-07	9.21E-09	-5.03E-07
1004	490086.72, 3861235.12	5.94E-06	1.07E-07	-5.83E-06	2.50E-07	4.50E-09	-2.45E-07	3.74E-07	6.74E-09	-3.68E-07
1005	490136.72, 3861235.12	6.07E-06	1.09E-07	-5.96E-06	2.55E-07	4.60E-09	-2.51E-07	3.82E-07	6.88E-09	-3.75E-07
1006	490186.72, 3861235.12	6.16E-06	1.11E-07	-6.05E-06	2.59E-07	4.67E-09	-2.55E-07	3.88E-07	6.99E-09	-3.81E-07
1007	490236.72, 3861235.12	6.31E-06	1.14E-07	-6.19E-06	2.65E-07	4.78E-09	-2.61E-07	3.97E-07	7.15E-09	-3.90E-07
1008	490386.72, 3861235.12	6.72E-06	1.21E-07	-6.60E-06	2.83E-07	5.09E-09	-2.78E-07	4.23E-07	7.62E-09	-4.16E-07
1009	490436.72, 3861235.12	6.88E-06	1.24E-07	-6.75E-06	2.89E-07	5.21E-09	-2.84E-07	4.33E-07	7.80E-09	-4.25E-07
1010	490486.72, 3861235.12	7.02E-06	1.26E-07	-6.90E-06	2.95E-07	5.32E-09	-2.90E-07	4.42E-07	7.97E-09	-4.34E-07
1011	490536.72, 3861235.12	7.03E-06	1.27E-07	-6.90E-06	2.96E-07	5.32E-09	-2.90E-07	4.43E-07	7.97E-09	-4.35E-07
1012	490586.72, 3861235.12	7.11E-06	1.28E-07	-6.98E-06	2.99E-07	5.38E-09	-2.94E-07	4.48E-07	8.06E-09	-4.40E-07
1013	490636.72, 3861235.12	7.49E-06	1.35E-07	-7.35E-06	3.15E-07	5.67E-09	-3.09E-07	4.72E-07	8.49E-09	-4.63E-07
1014	490686.72, 3861235.12	7.69E-06	1.38E-07	-7.55E-06	3.23E-07	5.82E-09	-3.18E-07	4.84E-07	8.72E-09	-4.75E-07
1015	490736.72, 3861235.12	7.83E-06	1.41E-07	-7.69E-06	3.30E-07	5.93E-09	-3.24E-07	4.94E-07	8.89E-09	-4.85E-07
1016	490786.72, 3861235.12	7.99E-06	1.44E-07	-7.85E-06	3.36E-07	6.05E-09	-3.30E-07	5.03E-07	9.06E-09	-4.94E-07
1017	490836.72, 3861235.12	8.21E-06	1.48E-07	-8.06E-06	3.46E-07	6.22E-09	-3.39E-07	5.17E-07	9.31E-09	-5.08E-07
1018	490086.72, 3861285.12	6.03E-06	1.09E-07	-5.92E-06	2.54E-07	4.57E-09	-2.49E-07	3.80E-07	6.84E-09	-3.73E-07
1019	490136.72, 3861285.12	6.10E-06	1.10E-07	-5.99E-06	2.56E-07	4.62E-09	-2.52E-07	3.84E-07	6.91E-09	-3.77E-07
1020	490186.72, 3861285.12	6.27E-06	1.13E-07	-6.16E-06	2.64E-07	4.75E-09	-2.59E-07	3.95E-07	7.11E-09	-3.88E-07
1021	490236.72, 3861285.12	6.42E-06	1.16E-07	-6.30E-06	2.70E-07	4.86E-09	-2.65E-07	4.04E-07	7.28E-09	-3.97E-07
1022	490386.72, 3861285.12	6.85E-06	1.23E-07	-6.73E-06	2.88E-07	5.19E-09	-2.83E-07	4.31E-07	7.77E-09	-4.24E-07
1023	490436.72, 3861285.12	6.97E-06	1.25E-07	-6.84E-06	2.93E-07	5.28E-09	-2.88E-07	4.39E-07	7.90E-09	-4.31E-07
1024	490486.72, 3861285.12	7.14E-06	1.29E-07	-7.02E-06	3.01E-07	5.41E-09	-2.95E-07	4.50E-07	8.10E-09	-4.42E-07
1025	490536.72, 3861285.12	7.28E-06	1.31E-07	-7.15E-06	3.06E-07	5.52E-09	-3.01E-07	4.59E-07	8.26E-09	-4.51E-07
1026	490586.72, 3861285.12	7.40E-06	1.33E-07	-7.27E-06	3.12E-07	5.61E-09	-3.06E-07	4.66E-07	8.40E-09	-4.58E-07
1027	490636.72, 3861285.12	7.66E-06	1.38E-07	-7.52E-06	3.22E-07	5.80E-09	-3.17E-07	4.83E-07	8.69E-09	-4.74E-07
1028	490686.72, 3861285.12	7.84E-06	1.41E-07	-7.70E-06	3.30E-07	5.94E-09	-3.24E-07	4.94E-07	8.89E-09	-4.85E-07
1029	490736.72, 3861285.12	7.92E-06	1.43E-07	-7.77E-06	3.33E-07	6.00E-09	-3.27E-07	4.99E-07	8.98E-09	-4.90E-07
1030	490786.72, 3861285.12	8.12E-06	1.46E-07	-7.98E-06	3.42E-07	6.15E-09	-3.36E-07	5.12E-07	9.21E-09	-5.03E-07
1031	490836.72, 3861285.12	8.39E-06	1.51E-07	-8.24E-06	3.53E-07	6.35E-09	-3.46E-07	5.28E-07	9.51E-09	-5.19E-07
1032	490061.24, 3859716.13	4.13E-06	7.43E-08	-4.05E-06	1.74E-07	3.13E-09	-1.70E-07	2.60E-07	4.68E-09	-2.55E-07
1033	490111.24, 3859716.13	4.19E-06	7.54E-08	-4.11E-06	1.76E-07	3.17E-09	-1.73E-07	2.64E-07	4.75E-09	-2.59E-07
1034	490161.24, 3859716.13	4.27E-06	7.69E-08	-4.19E-06	1.80E-07	3.23E-09	-1.76E-07	2.69E-07	4.84E-09	-2.64E-07
1035	490211.24, 3859716.13	4.37E-06	7.87E-08	-4.29E-06	1.84E-07	3.31E-09	-1.81E-07	2.75E-07	4.96E-09	-2.71E-07
1036	490061.24, 3859766.13	4.10E-06	7.37E-08	-4.02E-06	1.72E-07	3.10E-09	-1.69E-07	2.58E-07	4.65E-09	-2.53E-07
1037	490111.24, 3859766.13	4.21E-06	7.57E-08	-4.13E-06	1.77E-07	3.19E-09	-1.74E-07	2.65E-07	4.77E-09	-2.60E-07
1038	490161.24, 3859766.13	4.32E-06	7.78E-08	-4.25E-06	1.82E-07	3.28E-09	-1.79E-07	2.72E-07	4.90E-09	-2.67E-07
1039	490211.24, 3859766.13	4.42E-06	7.95E-08	-4.34E-06	1.86E-07	3.35E-09	-1.82E-07	2.78E-07	5.01E-09	-2.73E-07
1040	490061.24, 3859816.13	4.05E-06	7.30E-08	-3.98E-06	1.71E-07	3.07E-09	-1.67E-07	2.55E-07	4.60E-09	-2.51E-07
1041	490111.24, 3859816.13	4.20E-06	7.55E-08	-4.12E-06	1.76E-07	3.18E-09	-1.73E-07	2.64E-07	4.76E-09	-2.60E-07
1042	490161.24, 3859816.13	4.32E-06	7.77E-08	-4.24E-06	1.82E-07	3.27E-09	-1.78E-07	2.72E-07	4.90E-09	-2.67E-07
1043	490211.24, 3859816.13	4.44E-06	7.99E-08	-4.36E-06	1.87E-07	3.36E-09	-1.83E-07	2.80E-07	5.03E-09	-2.75E-07
1044	490061.24, 3859866.13	3.99E-06	7.18E-08	-3.91E-06	1.68E-07	3.02E-09	-1.65E-07	2.51E-07	4.52E-09	-2.47E-07
1045	490111.24, 3859866.13	4.12E-06	7.43E-08	-4.05E-06	1.74E-07	3.12E-09	-1.70E-07	2.60E-07	4.68E-09	-2.55E-07
1046	490161.24, 3859866.13	4.25E-06	7.65E-08	-4.17E-06	1.79E-07	3.22E-09	-1.76E-07	2.68E-07	4.82E-09	-2.63E-07
1047	490211.24, 3859866.13	4.38E-06	7.88E-08	-4.30E-06	1.84E-07	3.32E-09	-1.81E-07	2.76E-07	4.96E-09	-2.71E-07
1048	490061.24, 3859916.13	3.92E-06	7.06E-08	-3.85E-06	1.65E-07	2.97E-09	-1.62E-07	2.47E-07	4.45E-09	-2.42E-07
1049	490111.24, 3859916.13	4.04E-06	7.27E-08	-3.96E-06	1.70E-07	3.06E-09	-1.67E-07	2.54E-07	4.58E-09	-2.50E-07
1050	490161.24, 3859916.13	4.17E-06	7.51E-08	-4.10E-06	1.76E-07	3.16E-09	-1.72E-07	2.63E-07	4.73E-09	-2.58E-07
1051	490211.24, 3859916.13	4.32E-06	7.78E-08	-4.24E-06	1.82E-07	3.27E-09	-1.79E-07	2.72E-07	4.90E-09	-2.67E-07
1052	490229.25, 3859815.26	4.46E-06	8.02E-08	-4.38E-06	1.87E-07	3.37E-09	-1.84E-07	2.81E-07	5.05E-09	-2.76E-07
1053	490279.25, 3859815.26	4.58E-06	8.25E-08	-4.50E-06	1.93E-07	3.47E-09	-1.89E-07	2.89E-07	5.20E-09	-2.83E-07
1054	490329.25, 3859815.26	4.70E-06	8.47E-08	-4.62E-06	1.98E-07	3.56E-09	-1.94E-07	2.96E-07	5.33E-09	-2.91E-07
1055	490379.25, 3859815.26	4.74E-06	8.54E-08	-4.66E-06	2.00E-07	3.59E-09	-1.96E-07	2.99E-07	5.38E-09	-2.93E-07
1056	490429.25, 3859815.26	4.71E-06	8.48E-08	-4.62E-06	1.98E-07	3.57E-09	-1.95E-07	2.97E-07	5.34E-09	-2.91E-07
1057	490229.25, 3859865.26	4.42E-06	7.96E-08	-4.34E-06	1.86E-07	3.35E-09	-1.83E-07	2.79E-07	5.02E-09	-2.74E-07
1058	490279.25, 3859865.26	4.56E-06	8.22E-08	-4.48E-06	1.92E-07	3.46E-09	-1.89E-07	2.87E-07	5.18E-09	-2.82E-07
1059	490329.25, 3859865.26	4.70E-06	8.47E-08	-4.62E-06	1.98E-07	3.56E-09	-1.94E-07	2.96E-07	5.33E-09	-2.91E-07
1060	490379.25, 3859865.26	4.80E-06	8.64E-08	-4.71E-06	2.02E-07	3.64E-09	-1.98E-07	3.02E-07	5.44E-09	-2.97E-07
1061	490429.25, 3859865.26	4.86E-06	8.76E-08	-4.78E-06	2.05E-07	3.68E-09	-2.01E-07	3.06E-07	5.52E-09	-3.01E-07
1062	490229.25, 3859915.26	4.37E-06	7.86E-08	-4.29E-06	1.84E-07	3.31E-09	-1.80E-07	2.75E-07	4.95E-09	-2.70E-07
1063	490279.25, 3859915.26	4.54E-06	8.17E-08	-4.46E-06	1.91E-07	3.44E-09	-1.87E-07	2.86E-07	5.15E-09	-2.81E-07
1064	490329.25, 3859915.26	4.68E-06	8.43E-08	-4.60E-06	1.97E-07	3.55E-09	-1.93E-07	2.95E-07	5.31E-09	-2.90E-07
1065	490379.25, 3859915.26	4.81E-06	8.65E-08	-4.72E-06	2.02E-07	3.64E-09	-1.99E-07	3.03E-07	5.45E-09	-2.97E-07
1066	490429.25, 3859915.26	4.93E-06	8.88E-08	-4.85E-06	2.08E-07	3.74E-09	-2.04E-07	3.11E-07	5.60E-09	-3.05E-07

1067	490451.43, 3859872.59	4.92E-06	8.86E-08	-4.83E-06	2.07E-07	3.73E-09	-2.03E-07	3.10E-07	5.58E-09	-3.04E-07
1068	490501.43, 3859872.59	4.91E-06	8.84E-08	-4.82E-06	2.07E-07	3.72E-09	-2.03E-07	3.09E-07	5.57E-09	-3.04E-07
1069	490551.43, 3859872.59	4.79E-06	8.63E-08	-4.71E-06	2.02E-07	3.63E-09	-1.98E-07	3.02E-07	5.44E-09	-2.97E-07
1070	490601.43, 3859872.59	4.68E-06	8.42E-08	-4.60E-06	1.97E-07	3.54E-09	-1.93E-07	2.95E-07	5.31E-09	-2.89E-07
1071	490451.43, 3859922.59	4.99E-06	8.98E-08	-4.90E-06	2.10E-07	3.78E-09	-2.06E-07	3.14E-07	5.65E-09	-3.08E-07
1072	490501.43, 3859922.59	5.05E-06	9.10E-08	-4.96E-06	2.13E-07	3.83E-09	-2.09E-07	3.18E-07	5.73E-09	-3.13E-07
1073	490551.43, 3859922.59	5.01E-06	9.01E-08	-4.92E-06	2.11E-07	3.79E-09	-2.07E-07	3.15E-07	5.68E-09	-3.10E-07
1074	490601.43, 3859922.59	4.90E-06	8.82E-08	-4.81E-06	2.06E-07	3.71E-09	-2.02E-07	3.09E-07	5.56E-09	-3.03E-07
1075	482129.67, 3852241.07	6.09E-07	1.10E-08	-5.98E-07	2.56E-08	4.61E-10	-2.52E-08	3.84E-08	6.91E-10	-3.77E-08
1076	482029.67, 3852291.07	6.55E-07	1.18E-08	-6.43E-07	2.75E-08	4.96E-10	-2.71E-08	4.12E-08	7.43E-10	-4.05E-08
1077	482079.67, 3852291.07	6.43E-07	1.16E-08	-6.32E-07	2.71E-08	4.87E-10	-2.66E-08	4.05E-08	7.30E-10	-3.98E-08
1078	482129.67, 3852291.07	6.30E-07	1.13E-08	-6.19E-07	2.65E-08	4.77E-10	-2.60E-08	3.97E-08	7.15E-10	-3.90E-08
1079	482179.67, 3852291.07	6.09E-07	1.10E-08	-5.98E-07	2.56E-08	4.61E-10	-2.52E-08	3.84E-08	6.91E-10	-3.77E-08
1080	482229.67, 3852291.07	5.80E-07	1.04E-08	-5.70E-07	2.44E-08	4.39E-10	-2.40E-08	3.66E-08	6.58E-10	-3.59E-08
1081	482029.67, 3852341.07	6.78E-07	1.22E-08	-6.65E-07	2.85E-08	5.13E-10	-2.80E-08	4.27E-08	7.69E-10	-4.19E-08
1082	482079.67, 3852341.07	6.66E-07	1.20E-08	-6.54E-07	2.80E-08	5.05E-10	-2.75E-08	4.20E-08	7.56E-10	-4.12E-08
1083	482129.67, 3852341.07	6.55E-07	1.18E-08	-6.43E-07	2.75E-08	4.96E-10	-2.71E-08	4.12E-08	7.43E-10	-4.05E-08
1084	482179.67, 3852341.07	6.36E-07	1.15E-08	-6.25E-07	2.68E-08	4.82E-10	-2.63E-08	4.01E-08	7.21E-10	-3.94E-08
1085	482259.06, 3852400.14	6.58E-07	1.18E-08	-6.46E-07	2.77E-08	4.98E-10	-2.72E-08	4.14E-08	7.46E-10	-4.07E-08
1086	482309.06, 3852400.14	6.12E-07	1.10E-08	-6.01E-07	2.57E-08	4.63E-10	-2.53E-08	3.85E-08	6.94E-10	-3.78E-08
1087	482209.06, 3852450.14	7.08E-07	1.27E-08	-6.95E-07	2.98E-08	5.36E-10	-2.92E-08	4.46E-08	8.03E-10	-4.38E-08
1088	482259.06, 3852450.14	6.91E-07	1.24E-08	-6.78E-07	2.91E-08	5.23E-10	-2.85E-08	4.35E-08	7.83E-10	-4.27E-08
1089	482309.06, 3852450.14	6.42E-07	1.16E-08	-6.30E-07	2.70E-08	4.86E-10	-2.65E-08	4.04E-08	7.28E-10	-3.97E-08
1090	482209.06, 3852500.14	7.25E-07	1.31E-08	-7.12E-07	3.05E-08	5.49E-10	-3.00E-08	4.57E-08	8.22E-10	-4.48E-08
1091	482259.06, 3852500.14	7.08E-07	1.27E-08	-6.95E-07	2.98E-08	5.36E-10	-2.92E-08	4.46E-08	8.03E-10	-4.38E-08
1092	482309.06, 3852500.14	6.85E-07	1.23E-08	-6.73E-07	2.88E-08	5.19E-10	-2.83E-08	4.31E-08	7.77E-10	-4.24E-08
1093	482283.91, 3852513.62	7.05E-07	1.27E-08	-6.92E-07	2.97E-08	5.34E-10	-2.91E-08	4.44E-08	7.99E-10	-4.36E-08
1094	482333.91, 3852513.62	6.71E-07	1.21E-08	-6.58E-07	2.82E-08	5.08E-10	-2.77E-08	4.22E-08	7.60E-10	-4.15E-08
1095	482283.91, 3852563.62	7.32E-07	1.32E-08	-7.19E-07	3.08E-08	5.55E-10	-3.02E-08	4.61E-08	8.30E-10	-4.53E-08
1096	482333.91, 3852563.62	7.18E-07	1.29E-08	-7.05E-07	3.02E-08	5.44E-10	-2.97E-08	4.52E-08	8.14E-10	-4.44E-08
1097	482383.91, 3852563.62	6.92E-07	1.25E-08	-6.80E-07	2.91E-08	5.24E-10	-2.86E-08	4.36E-08	7.85E-10	-4.28E-08
1098	482283.91, 3852613.62	7.38E-07	1.33E-08	-7.25E-07	3.10E-08	5.59E-10	-3.05E-08	4.65E-08	8.37E-10	-4.56E-08
1099	482333.91, 3852613.62	7.36E-07	1.33E-08	-7.23E-07	3.10E-08	5.58E-10	-3.04E-08	4.64E-08	8.35E-10	-4.56E-08
1100	482383.91, 3852613.62	7.32E-07	1.32E-08	-7.19E-07	3.08E-08	5.55E-10	-3.02E-08	4.61E-08	8.30E-10	-4.53E-08
1101	482602.38, 3852600.87	6.05E-07	1.09E-08	-5.94E-07	2.54E-08	4.58E-10	-2.50E-08	3.81E-08	6.86E-10	-3.74E-08
1102	482652.38, 3852600.87	6.05E-07	1.09E-08	-5.94E-07	2.54E-08	4.58E-10	-2.50E-08	3.81E-08	6.86E-10	-3.74E-08
1103	482702.38, 3852600.87	5.67E-07	1.02E-08	-5.57E-07	2.39E-08	4.30E-10	-2.34E-08	3.57E-08	6.43E-10	-3.51E-08
1104	482552.38, 3852650.87	6.58E-07	1.18E-08	-6.46E-07	2.77E-08	4.98E-10	-2.72E-08	4.14E-08	7.46E-10	-4.07E-08
1105	482602.38, 3852650.87	6.53E-07	1.18E-08	-6.42E-07	2.75E-08	4.95E-10	-2.70E-08	4.12E-08	7.41E-10	-4.04E-08
1106	482652.38, 3852650.87	6.39E-07	1.15E-08	-6.28E-07	2.69E-08	4.84E-10	-2.64E-08	4.03E-08	7.25E-10	-3.95E-08
1107	482702.38, 3852650.87	6.15E-07	1.11E-08	-6.04E-07	2.59E-08	4.66E-10	-2.54E-08	3.87E-08	6.97E-10	-3.80E-08
1108	482552.38, 3852700.87	6.96E-07	1.25E-08	-6.84E-07	2.93E-08	5.27E-10	-2.88E-08	4.39E-08	7.90E-10	-4.31E-08
1109	482602.38, 3852700.87	6.88E-07	1.24E-08	-6.75E-07	2.89E-08	5.21E-10	-2.84E-08	4.33E-08	7.80E-10	-4.25E-08
1110	482652.38, 3852700.87	6.95E-07	1.25E-08	-6.82E-07	2.92E-08	5.26E-10	-2.87E-08	4.38E-08	7.88E-10	-4.30E-08
1111	482702.38, 3852700.87	6.73E-07	1.21E-08	-6.61E-07	2.83E-08	5.10E-10	-2.78E-08	4.24E-08	7.64E-10	-4.17E-08
1112	482452.38, 3852750.87	7.48E-07	1.35E-08	-7.34E-07	3.15E-08	5.66E-10	-3.09E-08	4.71E-08	8.48E-10	-4.63E-08
1113	482521.29, 3852749.74	7.32E-07	1.32E-08	-7.19E-07	3.08E-08	5.55E-10	-3.02E-08	4.61E-08	8.30E-10	-4.53E-08
1114	482571.29, 3852749.74	7.22E-07	1.30E-08	-7.09E-07	3.04E-08	5.47E-10	-2.98E-08	4.55E-08	8.19E-10	-4.47E-08
1115	482521.29, 3852799.74	7.55E-07	1.36E-08	-7.41E-07	3.18E-08	5.72E-10	-3.12E-08	4.76E-08	8.56E-10	-4.67E-08
1116	482571.29, 3852799.74	7.48E-07	1.35E-08	-7.34E-07	3.15E-08	5.66E-10	-3.09E-08	4.71E-08	8.48E-10	-4.63E-08
1117	482621.29, 3852799.74	7.36E-07	1.33E-08	-7.23E-07	3.10E-08	5.58E-10	-3.04E-08	4.64E-08	8.35E-10	-4.56E-08
1118	482571.29, 3852849.74	7.58E-07	1.36E-08	-7.44E-07	3.19E-08	5.74E-10	-3.13E-08	4.77E-08	8.60E-10	-4.69E-08
1119	482621.29, 3852849.74	7.45E-07	1.34E-08	-7.32E-07	3.13E-08	5.64E-10	-3.08E-08	4.69E-08	8.45E-10	-4.61E-08
1120	482577.42, 3852901.55	7.61E-07	1.37E-08	-7.47E-07	3.20E-08	5.76E-10	-3.14E-08	4.79E-08	8.63E-10	-4.71E-08
1121	482627.42, 3852901.55	7.48E-07	1.35E-08	-7.34E-07	3.15E-08	5.66E-10	-3.09E-08	4.71E-08	8.48E-10	-4.63E-08
1122	482629.96, 3852955.85	7.57E-07	1.36E-08	-7.43E-07	3.18E-08	5.73E-10	-3.13E-08	4.77E-08	8.58E-10	-4.68E-08
1123	482679.96, 3852955.85	7.46E-07	1.34E-08	-7.33E-07	3.14E-08	5.65E-10	-3.08E-08	4.70E-08	8.47E-10	-4.62E-08
1124	482781.63, 3853034.48	7.32E-07	1.32E-08	-7.19E-07	3.08E-08	5.55E-10	-3.02E-08	4.61E-08	8.30E-10	-4.53E-08
1125	482831.63, 3853034.48	7.18E-07	1.29E-08	-7.05E-07	3.02E-08	5.44E-10	-2.97E-08	4.52E-08	8.14E-10	-4.44E-08
1126	482881.63, 3853034.48	7.05E-07	1.27E-08	-6.92E-07	2.97E-08	5.34E-10	-2.91E-08	4.44E-08	7.99E-10	-4.36E-08
1127	482781.63, 3853084.48	7.42E-07	1.34E-08	-7.29E-07	3.12E-08	5.62E-10	-3.07E-08	4.68E-08	8.42E-10	-4.59E-08
1128	482831.63, 3853084.48	7.28E-07	1.31E-08	-7.15E-07	3.06E-08	5.51E-10	-3.01E-08	4.59E-08	8.25E-10	-4.50E-08
1129	482881.63, 3853084.48	7.18E-07	1.29E-08	-7.05E-07	3.02E-08	5.44E-10	-2.97E-08	4.52E-08	8.14E-10	-4.44E-08
1130	482781.63, 3853134.48	7.54E-07	1.36E-08	-7.40E-07	3.17E-08	5.71E-10	-3.11E-08	4.75E-08	8.55E-10	-4.66E-08
1131	482831.63, 3853134.48	7.42E-07	1.34E-08	-7.29E-07	3.12E-08	5.62E-10	-3.07E-08	4.68E-08	8.42E-10	-4.59E-08
1132	482881.63, 3853134.48	7.38E-07	1.33E-08	-7.25E-07	3.10E-08	5.59E-10	-3.05E-08	4.65E-08	8.37E-10	-4.56E-08
1133	482831.63, 3853184.48	7.54E-07	1.36E-08	-7.40E-07	3.17E-08	5.71E-10	-3.11E-08	4.75E-08	8.55E-10	-4.66E-08
1134	482881.63, 3853184.48	7.51E-07	1.35E-08	-7.37E-07	3.16E-08	5.69E-10	-3.10E-08	4.73E-08	8.51E-10	-4.64E-08
1135	484154.84, 3854250.98	4.63E-07	8.33E-09	-4.54E-07	1.95E-08	3.51E-10	-1.91E-08	2.92E-08	5.25E-10	-2.86E-08
1136	484204.84, 3854250.98	4.63E-07	8.33E-09	-4.54E-07	1.95E-08	3.51E-10	-1.91E-08	2.92E-08	5.25E-10	-2.86E-08
1137	484154.84, 3854300.98	4.46E-07	8.02E-09	-4.38E-07	1.87E-08	3.37E-10	-1.84E-08	2.81E-08	5.05E-10	-2.76E-08
1138	484204.84, 3854300.98	4.50E-07	8.10E-09	-4.42E-07	1.89E-08	3.41E-10	-1.86E-08	2.83E-08	5.10E-10	-2.78E-08
1139	484074.19, 3854519.8	4.10E-07	7.38E-09	-4.02E-07	1.72E-08	3.10E-10	-1.69E-08	2.58E-08	4.65E-10	-2.53E-08
1140	484124.19, 3854519.8	4.07E-07	7.33E-09	-4.00E-07	1.71E-08	3.08E-10	-1.68E-08	2.56E-08	4.61E-10	-2.52E-08
1141	484074.19, 3854569.8	4.05E-07	7.30E-09	-3.98E-07	1.71E-08	3.07E-10	-1.68E-08	2.55E-08	4.60E-10	-2.51E-08
1142	484124.19, 3854569.8	3.98E-07	7.17E-09	-3.91E-07	1.68E-08	3.02E-10	-1.65E-08	2.51E-08	4.52E-10	-2.46E-08
1143	485205.11, 3855188.89	5.19E-07	9.34E-09	-5.09E-07	2.18E-08	3.93E-10	-2.14E-08	3.27E-08	5.88E-10	-3.21E-08
1144	485255.11, 3855188.89	5.13E-07	9.23E-09	-5.04E-07	2.16E-08	3.88E-10	-2.12E-08	3.23E-08	5.82E-10	-3.17E-08
1145	485205.11, 3855238.89	5.11E-07	9.21E-09	-5.02E-07	2.15E-08	3.87E-10	-2.11E-08	3.22E-08	5.80E-10	-3.16E-08
1146	485255.11, 3855238.89	5.14E-07	9.26E-09	-5.05E-07	2.16E-08	3.90E-10	-2.12E-08	3.24E-08	5.83E-10	-3.18E-08
1147	485205.11, 3855288.89	5.23E-07	9.42E-09	-5.14E-07	2.20E-08	3.96E-10	-2.16E-08	3.29E-08	5.93E-10	-3.24E-08
1148	485255.11, 3855288.89	5.30E-07	9.54E-09	-5.21E-07	2.23E-08	4.02E-10	-2.19E-08	3.34E-08	6.01E-10	-3.28E-08
1149	485255.11, 3855338.89	5.47E-07	9.85E-09	-5.37E-07	2.30E-08	4.15E-10	-2.26E-08	3.45E-08	6.21E-10	-3.39E-08
1150	485305.11, 3855338.89	5.42E-07	9.75E-09	-5.32E-07	2.28E-08	4.10E-10	-2.24E-08	3.41E-08	6.14E-10	-3.35E-08
1151	485852.5, 3855635.28	5.97E-07	1.08E-08	-5.87E-07	2.51E-08	4.53E-10	-2.47E-08	3.76E-08	6.78E-10	-3.70E-08
1152	485902.5, 3855635.28	5.92E-07	1.07E-08	-5.81E-07	2.49E-08	4.48E-10	-2.44E-08	3.73E-08	6.71E-10	-3.66E-08
1153	485852.5, 3855685.28	6.02E-07	1.08E-08	-5.91E-07	2.53E-08	4.56E-10	-2.49E-08	3.79E-08	6.82E-10	-3.72E-08
1154	485902.5, 3855685.28	5.96E-07	1.07E-08	-5.85E-07	2.51E-08	4.51E-10	-2.46E-08	3.75E-08	6.76E-10	-3.69E-08
1155	485852.5, 3855735.28	6.09E-07	1.10E-08	-5.98E-07	2.56E-08	4.61E-10	-2.52E-08	3.84E-08	6.91E-10	-3.77E-08
1156	485902.5, 3855735.28	6.05E-07	1.09E-08	-5.94E-07	2.54E-08	4.58E-10	-2.50E-08	3.81E-08	6.86E-10	-3.74E-08
1157	485852.5, 3855785.28	6.22E-07	1.12E-08	-6.11E-07	2.62E-08	4.71E-10	-2.57E-08	3.92E-08	7.05E-10	-3.85E-08
1158	485902.5, 3855785.28	6.09E-07	1.10E-08	-5.98E-07	2.56E-08	4.61E-10	-2.52E-08	3.84E-08	6.91E-10	-3.77E-08
1159	486809.46, 3856465.28	6.99E-07	1.26E-08	-6.87E-07	2.94E-08	5.30E-10	-2.89E-08	4.40E-08	7.93E-10	-4.33E-08
1160	486859.46, 3856465.28	7.06E-07	1.27E-08	-6.94E-07	2.97E-08	5.35E-10	-2.92E-08	4.45E-08	8.01E-10	-4.37E-08
1161	486909.46, 3856465.28	7.09E-07	1.28E-08	-6.96E-07	2.98E-08	5.37E-10	-2.93E-08	4.47E-08	8.04E-10	-4.39E-08
1162	486809.46, 3856515.28	7.15E-07	1.29E-08	-7.02E-07	3.01E-08	5.42E-10	-2.95E-08	4.50E-08	8.11E-10	-4.42E-08
1163	486859.46, 3856515.28	7.22E-07	1.30E-08	-7.09E-07	3.04E-08	5.47E-10	-2.98E-08	4.55E-08	8.19E-10	-4.47E-08
1164	486909.46, 3856515.28	7.26E-07	1.31E-08	-7.13E-07	3.06E-08	5.50E-10	-3.00E-08	4.58E-08	8.24E-10	-4.49E-08
1165	486980.94, 3856357.95	7.03E-07	1.27E-08	-6.91E-07	2.96E-08	5.33E-10	-2.91E-08	4.43E-08	7.98E-10	-4.35E-08
1166	487030.94, 3856357.95	7.14E-07	1.28E-08	-7.01E-07	3.00E-08	5.40E-10	-2.95E-08	4.49E-08	8.09E-10	-4.41E-08
1167	486980.94, 3856407.95	7.12E-07	1.28E-08	-6.99E-07	3.00E-08	5.39E-10	-2.94E-08	4.49E-08	8.08E-10	-4.41E-08
1168	487030.94, 3856407.95	7.19E-07	1.29E-08	-7.06E-07	3.03E-08	5.45E-10	-2.97E-08	4.53E-08	8.16E-10	-4.45E-08
1169	487447.18, 3856437.45	8.17E-07	1.47E-08	-8.02E-07	3.44E-08	6.19E-10	-3.37E-08	5.14E-08	9.26E-10	-5.05E-08
1170	487497.18, 3856437.45	8.31E-07	1.50E-08	-8.16E-07	3.50E-08	6.29E-10	-3.43E-08	5.23E-08	9.42E-10	-5.14E-08
1171	487547.18, 3856437.45	8.47E-07	1.52E-08	-8.32E-07	3.56E-08	6.41E-10	-3.50E-08	5.33E-08	9.60E-10	-5.24E-08
1172	487447.18, 3856487.45	8.22E-07	1.48E-08	-8.08E-07	3.46E-08	6.23E-10	-3.40E-08	5.18E-08	9.33E-10	-5.09E-08
1173	487497.18, 3856487.45	8.37E-07	1.51E-08	-8.22E-07	3.52E-08	6.34E-10	-3.46E-08	5.27E-08	9.49E-10	-5.18E-08

1174	487547.18, 3856487.45	8.52E-07	1.53E-08	-8.37E-07	3.59E-08	6.46E-10	-3.52E-08	5.37E-08	9.67E-10	-5.27E-08
1175	487447.18, 3856537.45	8.30E-07	1.49E-08	-8.15E-07	3.49E-08	6.28E-10	-3.43E-08	5.23E-08	9.41E-10	-5.13E-08
1176	487497.18, 3856537.45	8.41E-07	1.51E-08	-8.26E-07	3.54E-08	6.37E-10	-3.47E-08	5.30E-08	9.54E-10	-5.20E-08
1177	487547.18, 3856537.45	8.58E-07	1.55E-08	-8.43E-07	3.61E-08	6.50E-10	-3.55E-08	5.41E-08	9.73E-10	-5.31E-08
1178	489285.89, 3858826.54	2.36E-06	4.25E-08	-2.32E-06	9.92E-08	1.79E-09	-9.74E-08	1.49E-07	2.67E-09	-1.46E-07
1179	489335.89, 3858826.54	2.36E-06	4.25E-08	-2.32E-06	9.93E-08	1.79E-09	-9.75E-08	1.49E-07	2.68E-09	-1.46E-07
1180	489385.89, 3858826.54	2.35E-06	4.23E-08	-2.31E-06	9.89E-08	1.78E-09	-9.71E-08	1.48E-07	2.66E-09	-1.45E-07
1181	489435.89, 3858826.54	2.35E-06	4.23E-08	-2.31E-06	9.89E-08	1.78E-09	-9.71E-08	1.48E-07	2.67E-09	-1.45E-07
1182	489485.89, 3858826.54	2.36E-06	4.25E-08	-2.32E-06	9.92E-08	1.79E-09	-9.74E-08	1.49E-07	2.67E-09	-1.46E-07
1183	489535.89, 3858826.54	2.37E-06	4.26E-08	-2.32E-06	9.96E-08	1.79E-09	-9.78E-08	1.49E-07	2.68E-09	-1.46E-07
1184	489585.89, 3858826.54	2.38E-06	4.28E-08	-2.34E-06	1.00E-07	1.80E-09	-9.83E-08	1.50E-07	2.70E-09	-1.47E-07
1185	489635.89, 3858826.54	2.38E-06	4.29E-08	-2.34E-06	1.00E-07	1.80E-09	-9.84E-08	1.50E-07	2.70E-09	-1.47E-07
1186	489685.89, 3858826.54	2.38E-06	4.29E-08	-2.34E-06	1.00E-07	1.81E-09	-9.85E-08	1.50E-07	2.70E-09	-1.47E-07
1187	489735.89, 3858826.54	2.38E-06	4.29E-08	-2.34E-06	1.00E-07	1.80E-09	-9.84E-08	1.50E-07	2.70E-09	-1.47E-07
1188	489785.89, 3858826.54	2.39E-06	4.31E-08	-2.35E-06	1.01E-07	1.81E-09	-9.88E-08	1.51E-07	2.71E-09	-1.48E-07
1189	489835.89, 3858826.54	2.38E-06	4.29E-08	-2.34E-06	1.00E-07	1.81E-09	-9.85E-08	1.50E-07	2.70E-09	-1.47E-07
1190	489885.89, 3858826.54	2.39E-06	4.31E-08	-2.35E-06	1.01E-07	1.81E-09	-9.89E-08	1.51E-07	2.72E-09	-1.48E-07
1191	489935.89, 3858826.54	2.40E-06	4.32E-08	-2.36E-06	1.01E-07	1.82E-09	-9.91E-08	1.51E-07	2.72E-09	-1.48E-07
1192	489985.89, 3858826.54	2.40E-06	4.32E-08	-2.35E-06	1.01E-07	1.82E-09	-9.90E-08	1.51E-07	2.72E-09	-1.48E-07
1193	490035.89, 3858826.54	2.38E-06	4.28E-08	-2.33E-06	1.00E-07	1.80E-09	-9.82E-08	1.50E-07	2.70E-09	-1.47E-07
1194	489285.89, 3858876.54	2.40E-06	4.33E-08	-2.36E-06	1.01E-07	1.82E-09	-9.93E-08	1.51E-07	2.73E-09	-1.49E-07
1195	489335.89, 3858876.54	2.40E-06	4.31E-08	-2.35E-06	1.01E-07	1.81E-09	-9.90E-08	1.51E-07	2.72E-09	-1.48E-07
1196	489385.89, 3858876.54	2.39E-06	4.31E-08	-2.35E-06	1.01E-07	1.81E-09	-9.89E-08	1.51E-07	2.72E-09	-1.48E-07
1197	489435.89, 3858876.54	2.39E-06	4.31E-08	-2.35E-06	1.01E-07	1.81E-09	-9.88E-08	1.51E-07	2.71E-09	-1.48E-07
1198	489485.89, 3858876.54	2.39E-06	4.31E-08	-2.35E-06	1.01E-07	1.81E-09	-9.89E-08	1.51E-07	2.72E-09	-1.48E-07
1199	489535.89, 3858876.54	2.40E-06	4.32E-08	-2.35E-06	1.01E-07	1.82E-09	-9.90E-08	1.51E-07	2.72E-09	-1.48E-07
1200	489585.89, 3858876.54	2.39E-06	4.31E-08	-2.35E-06	1.01E-07	1.81E-09	-9.88E-08	1.51E-07	2.71E-09	-1.48E-07
1201	489635.89, 3858876.54	2.40E-06	4.33E-08	-2.36E-06	1.01E-07	1.82E-09	-9.93E-08	1.51E-07	2.73E-09	-1.49E-07
1202	489685.89, 3858876.54	2.41E-06	4.34E-08	-2.37E-06	1.01E-07	1.83E-09	-9.96E-08	1.52E-07	2.73E-09	-1.49E-07
1203	489735.89, 3858876.54	2.41E-06	4.34E-08	-2.37E-06	1.01E-07	1.82E-09	-9.95E-08	1.52E-07	2.73E-09	-1.49E-07
1204	489785.89, 3858876.54	2.42E-06	4.36E-08	-2.38E-06	1.02E-07	1.84E-09	-1.00E-07	1.53E-07	2.75E-09	-1.50E-07
1205	489835.89, 3858876.54	2.42E-06	4.36E-08	-2.38E-06	1.02E-07	1.84E-09	-1.00E-07	1.53E-07	2.75E-09	-1.50E-07
1206	489885.89, 3858876.54	2.45E-06	4.41E-08	-2.40E-06	1.03E-07	1.85E-09	-1.01E-07	1.54E-07	2.78E-09	-1.51E-07
1207	489935.89, 3858876.54	2.44E-06	4.39E-08	-2.39E-06	1.03E-07	1.85E-09	-1.01E-07	1.54E-07	2.77E-09	-1.51E-07
1208	489985.89, 3858876.54	2.42E-06	4.36E-08	-2.38E-06	1.02E-07	1.84E-09	-1.00E-07	1.53E-07	2.75E-09	-1.50E-07
1209	490035.89, 3858876.54	2.41E-06	4.34E-08	-2.37E-06	1.01E-07	1.83E-09	-9.96E-08	1.52E-07	2.73E-09	-1.49E-07
1210	489285.89, 3858926.54	2.47E-06	4.45E-08	-2.43E-06	1.04E-07	1.87E-09	-1.02E-07	1.56E-07	2.80E-09	-1.53E-07
1211	489335.89, 3858926.54	2.46E-06	4.43E-08	-2.41E-06	1.03E-07	1.86E-09	-1.02E-07	1.55E-07	2.79E-09	-1.52E-07
1212	489385.89, 3858926.54	2.44E-06	4.39E-08	-2.40E-06	1.03E-07	1.85E-09	-1.01E-07	1.54E-07	2.77E-09	-1.51E-07
1213	489435.89, 3858926.54	2.44E-06	4.39E-08	-2.39E-06	1.03E-07	1.85E-09	-1.01E-07	1.54E-07	2.76E-09	-1.51E-07
1214	489485.89, 3858926.54	2.43E-06	4.38E-08	-2.39E-06	1.02E-07	1.84E-09	-1.01E-07	1.53E-07	2.76E-09	-1.50E-07
1215	489535.89, 3858926.54	2.43E-06	4.37E-08	-2.39E-06	1.02E-07	1.84E-09	-1.00E-07	1.53E-07	2.76E-09	-1.50E-07
1216	489585.89, 3858926.54	2.43E-06	4.37E-08	-2.38E-06	1.02E-07	1.84E-09	-1.00E-07	1.53E-07	2.75E-09	-1.50E-07
1217	489635.89, 3858926.54	2.43E-06	4.38E-08	-2.39E-06	1.02E-07	1.84E-09	-1.01E-07	1.53E-07	2.76E-09	-1.50E-07
1218	489685.89, 3858926.54	2.43E-06	4.37E-08	-2.38E-06	1.02E-07	1.84E-09	-1.00E-07	1.53E-07	2.75E-09	-1.50E-07
1219	489735.89, 3858926.54	2.45E-06	4.40E-08	-2.40E-06	1.03E-07	1.85E-09	-1.01E-07	1.54E-07	2.77E-09	-1.51E-07
1220	489785.89, 3858926.54	2.47E-06	4.44E-08	-2.42E-06	1.04E-07	1.87E-09	-1.02E-07	1.55E-07	2.80E-09	-1.53E-07
1221	489835.89, 3858926.54	2.47E-06	4.44E-08	-2.42E-06	1.04E-07	1.87E-09	-1.02E-07	1.55E-07	2.80E-09	-1.53E-07
1222	489885.89, 3858926.54	2.48E-06	4.47E-08	-2.44E-06	1.04E-07	1.88E-09	-1.03E-07	1.56E-07	2.81E-09	-1.54E-07
1223	489935.89, 3858926.54	2.48E-06	4.47E-08	-2.44E-06	1.05E-07	1.88E-09	-1.03E-07	1.57E-07	2.82E-09	-1.54E-07
1224	489985.89, 3858926.54	2.47E-06	4.44E-08	-2.42E-06	1.04E-07	1.87E-09	-1.02E-07	1.55E-07	2.80E-09	-1.53E-07
1225	490035.89, 3858926.54	2.42E-06	4.36E-08	-2.38E-06	1.02E-07	1.84E-09	-1.00E-07	1.53E-07	2.75E-09	-1.50E-07
1226	489335.89, 3858976.54	2.53E-06	4.56E-08	-2.48E-06	1.06E-07	1.92E-09	-1.05E-07	1.59E-07	2.87E-09	-1.57E-07
1227	489385.89, 3858976.54	2.50E-06	4.51E-08	-2.46E-06	1.05E-07	1.90E-09	-1.03E-07	1.58E-07	2.84E-09	-1.55E-07
1228	489435.89, 3858976.54	2.51E-06	4.51E-08	-2.46E-06	1.05E-07	1.90E-09	-1.04E-07	1.58E-07	2.84E-09	-1.55E-07
1229	489485.89, 3858976.54	2.49E-06	4.49E-08	-2.45E-06	1.05E-07	1.89E-09	-1.03E-07	1.57E-07	2.83E-09	-1.54E-07
1230	489535.89, 3858976.54	2.47E-06	4.45E-08	-2.43E-06	1.04E-07	1.87E-09	-1.02E-07	1.56E-07	2.81E-09	-1.53E-07
1231	489585.89, 3858976.54	2.48E-06	4.46E-08	-2.43E-06	1.04E-07	1.88E-09	-1.02E-07	1.56E-07	2.81E-09	-1.53E-07
1232	489635.89, 3858976.54	2.47E-06	4.45E-08	-2.43E-06	1.04E-07	1.87E-09	-1.02E-07	1.56E-07	2.81E-09	-1.53E-07
1233	489685.89, 3858976.54	2.47E-06	4.44E-08	-2.42E-06	1.04E-07	1.87E-09	-1.02E-07	1.55E-07	2.80E-09	-1.53E-07
1234	489735.89, 3858976.54	2.48E-06	4.46E-08	-2.43E-06	1.04E-07	1.88E-09	-1.02E-07	1.56E-07	2.81E-09	-1.53E-07
1235	489785.89, 3858976.54	2.50E-06	4.51E-08	-2.46E-06	1.05E-07	1.90E-09	-1.03E-07	1.58E-07	2.84E-09	-1.55E-07
1236	489835.89, 3858976.54	2.52E-06	4.54E-08	-2.48E-06	1.06E-07	1.91E-09	-1.04E-07	1.59E-07	2.86E-09	-1.56E-07
1237	489885.89, 3858976.54	2.51E-06	4.51E-08	-2.46E-06	1.05E-07	1.90E-09	-1.04E-07	1.58E-07	2.84E-09	-1.55E-07
1238	489935.89, 3858976.54	2.50E-06	4.50E-08	-2.46E-06	1.05E-07	1.89E-09	-1.03E-07	1.58E-07	2.84E-09	-1.55E-07
1239	489985.89, 3858976.54	2.50E-06	4.50E-08	-2.46E-06	1.05E-07	1.89E-09	-1.03E-07	1.58E-07	2.84E-09	-1.55E-07
1240	490035.89, 3858976.54	2.37E-06	4.27E-08	-2.33E-06	9.98E-08	1.80E-09	-9.80E-08	1.49E-07	2.69E-09	-1.47E-07
1241	489385.89, 3859026.54	2.58E-06	4.65E-08	-2.54E-06	1.09E-07	1.96E-09	-1.07E-07	1.63E-07	2.93E-09	-1.60E-07
1242	489435.89, 3859026.54	2.57E-06	4.62E-08	-2.52E-06	1.08E-07	1.95E-09	-1.06E-07	1.62E-07	2.91E-09	-1.59E-07
1243	489485.89, 3859026.54	2.55E-06	4.59E-08	-2.50E-06	1.07E-07	1.93E-09	-1.05E-07	1.61E-07	2.89E-09	-1.58E-07
1244	489535.89, 3859026.54	2.54E-06	4.58E-08	-2.50E-06	1.07E-07	1.93E-09	-1.05E-07	1.60E-07	2.88E-09	-1.57E-07
1245	489585.89, 3859026.54	2.52E-06	4.54E-08	-2.48E-06	1.06E-07	1.91E-09	-1.04E-07	1.59E-07	2.86E-09	-1.56E-07
1246	489635.89, 3859026.54	2.52E-06	4.53E-08	-2.47E-06	1.06E-07	1.91E-09	-1.04E-07	1.59E-07	2.86E-09	-1.56E-07
1247	489685.89, 3859026.54	2.52E-06	4.53E-08	-2.47E-06	1.06E-07	1.91E-09	-1.04E-07	1.59E-07	2.86E-09	-1.56E-07
1248	489735.89, 3859026.54	2.53E-06	4.56E-08	-2.49E-06	1.07E-07	1.92E-09	-1.05E-07	1.60E-07	2.87E-09	-1.57E-07
1249	489785.89, 3859026.54	2.55E-06	4.59E-08	-2.50E-06	1.07E-07	1.93E-09	-1.05E-07	1.61E-07	2.89E-09	-1.58E-07
1250	489835.89, 3859026.54	2.53E-06	4.56E-08	-2.49E-06	1.07E-07	1.92E-09	-1.05E-07	1.60E-07	2.87E-09	-1.57E-07
1251	489885.89, 3859026.54	2.53E-06	4.56E-08	-2.49E-06	1.07E-07	1.92E-09	-1.05E-07	1.60E-07	2.87E-09	-1.57E-07
1252	489935.89, 3859026.54	2.52E-06	4.55E-08	-2.48E-06	1.06E-07	1.91E-09	-1.04E-07	1.59E-07	2.86E-09	-1.56E-07
1253	489985.89, 3859026.54	2.51E-06	4.53E-08	-2.47E-06	1.06E-07	1.90E-09	-1.04E-07	1.58E-07	2.85E-09	-1.56E-07
1254	490035.89, 3859026.54	2.36E-06	4.25E-08	-2.32E-06	9.93E-08	1.79E-09	-9.75E-08	1.49E-07	2.68E-09	-1.46E-07
1255	489485.89, 3859076.54	2.62E-06	4.73E-08	-2.58E-06	1.10E-07	1.99E-09	-1.08E-07	1.65E-07	2.98E-09	-1.62E-07
1256	489535.89, 3859076.54	2.60E-06	4.69E-08	-2.56E-06	1.10E-07	1.97E-09	-1.08E-07	1.64E-07	2.95E-09	-1.61E-07
1257	489585.89, 3859076.54	2.58E-06	4.65E-08	-2.54E-06	1.09E-07	1.96E-09	-1.07E-07	1.63E-07	2.93E-09	-1.60E-07
1258	489635.89, 3859076.54	2.59E-06	4.66E-08	-2.54E-06	1.09E-07	1.96E-09	-1.07E-07	1.63E-07	2.94E-09	-1.60E-07
1259	489685.89, 3859076.54	2.59E-06	4.67E-08	-2.55E-06	1.09E-07	1.96E-09	-1.07E-07	1.63E-07	2.94E-09	-1.60E-07
1260	489735.89, 3859076.54	2.60E-06	4.67E-08	-2.55E-06	1.09E-07	1.97E-09	-1.07E-07	1.64E-07	2.94E-09	-1.61E-07
1261	489785.89, 3859076.54	2.60E-06	4.68E-08	-2.55E-06	1.09E-07	1.97E-09	-1.07E-07	1.64E-07	2.95E-09	-1.61E-07
1262	489835.89, 3859076.54	2.59E-06	4.66E-08	-2.54E-06	1.09E-07	1.96E-09	-1.07E-07	1.63E-07	2.94E-09	-1.60E-07
1263	489885.89, 3859076.54	2.58E-06	4.64E-08	-2.53E-06	1.08E-07	1.95E-09	-1.06E-07	1.62E-07	2.92E-09	-1.59E-07
1264	489935.89, 3859076.54	2.58E-06	4.64E-08	-2.53E-06	1.08E-07	1.95E-09	-1.06E-07	1.62E-07	2.92E-09	-1.59E-07
1265	489985.89, 3859076.54	2.55E-06	4.59E-08	-2.50E-06	1.07E-07	1.93E-09	-1.05E-07	1.61E-07	2.89E-09	-1.58E-07
1266	490035.89, 3859076.54	2.41E-06	4.34E-08	-2.37E-06	1.02E-07	1.83E-09	-9.97E-08	1.52E-07	2.74E-09	-1.49E-07
1267	489585.89, 3859126.54	2.67E-06	4.81E-08	-2.62E-06	1.12E-07	2.02E-09	-1.10E-07	1.68E-07	3.03E-09	-1.65E-07
1268	489635.89, 3859126.54	2.67E-06	4.82E-08	-2.63E-06	1.13E-07	2.03E-09	-1.11E-07	1.69E-07	3.03E-09	-1.65E-07
1269	489685.89, 3859126.54	2.67E-06	4.81E-08	-2.62E-06	1.12E-07	2.02E-09	-1.10E-07	1.68E-07	3.03E-09	-1.65E-07
1270	489735.89, 3859126.54	2.66E-06	4.80E-08	-2.62E-06	1.12E-07	2.02E-09	-1.10E-07	1.68E-07	3.02E-09	-1.65E-07
1271	489785.89, 3859126.54	2.66E-06	4.80E-08	-2.62E-06	1.12E-07	2.02E-09	-1.10E-07	1.68E-07	3.02E-09	-1.65E-07
1272	489835.89, 3859126.54	2.65E-06	4.77E-08	-2.60E-06	1.11E-07	2.01E-09	-1.09E-07	1.67E-07	3.00E-09	-1.64E-07
1273	489885.89, 3859126.54	2.62E-06	4.72E-08	-2.57E-06	1.10E-07	1.98E-09	-1.08E-07	1.65E-07	2.97E-09	-1.62E-07
1274	489935.89, 3859126.54	2.62E-06	4.71E-08	-2.57E-06	1.10E-07	1.98E-09	-1.08E-07	1.65E-07	2.97E-09	-1.62E-07
1275	489985.89, 3859126.54	2.55E-06	4.58E-08	-2.50E-06	1.07E-07	1.93E-09	-1.05E-07	1.60E-07	2.89E-09	-1.57E-07
1276	490035.89, 3859126.54	2.48E-06	4.46E-08	-2.43E-06	1.04E-07	1.88E-09	-1.02E-07	1.56E-07	2.81E-09	-1.53E-07
1277	489585.89, 3859176.54	2.75E-06	4.96E-08	-2.70E-06	1.16E-07	2.08E-09	-1.14E-07	1.73E-07	3.12E-09	-1.70E-07
1278	489635.89, 3859176.54	2.76E-06	4.96E-08	-2.71E-06	1.16E-07	2.09E-09	-1.14E-07	1.74E-07	3.12E-09	-1.70E-07
1279	489685.89, 3859176.54	2.76E-06	4.97E-08	-2.71E-06	1.16E-07	2.09E-09	-1.14E-07	1.74E-07	3.13E-09	-1.71E-07
1280	489735.89, 3859176.54	2.77E-06	4.98E-08	-2.72E-06	1.16E-07	2.09E-09	-1.14E-07	1.74E-07	3.14E-09	-1.71E-07

1281	489785.89, 3859176.54	2.74E-06	4.93E-08	-2.69E-06	1.15E-07	2.07E-09	-1.13E-07	1.73E-07	3.11E-09	-1.69E-07
1282	489835.89, 3859176.54	2.72E-06	4.90E-08	-2.67E-06	1.14E-07	2.06E-09	-1.12E-07	1.71E-07	3.09E-09	-1.68E-07
1283	489885.89, 3859176.54	2.69E-06	4.84E-08	-2.64E-06	1.13E-07	2.04E-09	-1.11E-07	1.70E-07	3.05E-09	-1.66E-07
1284	489935.89, 3859176.54	2.68E-06	4.83E-08	-2.63E-06	1.13E-07	2.03E-09	-1.11E-07	1.69E-07	3.04E-09	-1.66E-07
1285	489985.89, 3859176.54	2.60E-06	4.68E-08	-2.55E-06	1.09E-07	1.97E-09	-1.07E-07	1.64E-07	2.95E-09	-1.61E-07
1286	490035.89, 3859176.54	2.60E-06	4.68E-08	-2.55E-06	1.09E-07	1.97E-09	-1.07E-07	1.64E-07	2.95E-09	-1.61E-07
1287	489685.89, 3859226.54	2.84E-06	5.11E-08	-2.79E-06	1.19E-07	2.15E-09	-1.17E-07	1.79E-07	3.22E-09	-1.76E-07
1288	489735.89, 3859226.54	2.86E-06	5.14E-08	-2.80E-06	1.20E-07	2.16E-09	-1.18E-07	1.80E-07	3.24E-09	-1.77E-07
1289	489785.89, 3859226.54	2.84E-06	5.11E-08	-2.79E-06	1.19E-07	2.15E-09	-1.17E-07	1.79E-07	3.22E-09	-1.75E-07
1290	489835.89, 3859226.54	2.79E-06	5.03E-08	-2.74E-06	1.18E-07	2.12E-09	-1.15E-07	1.76E-07	3.17E-09	-1.73E-07
1291	489885.89, 3859226.54	2.77E-06	4.99E-08	-2.72E-06	1.17E-07	2.10E-09	-1.14E-07	1.74E-07	3.14E-09	-1.71E-07
1292	489935.89, 3859226.54	2.74E-06	4.93E-08	-2.69E-06	1.15E-07	2.07E-09	-1.13E-07	1.72E-07	3.11E-09	-1.69E-07
1293	489985.89, 3859226.54	2.63E-06	4.73E-08	-2.58E-06	1.10E-07	1.99E-09	-1.08E-07	1.65E-07	2.98E-09	-1.62E-07
1294	490035.89, 3859226.54	2.64E-06	4.75E-08	-2.59E-06	1.11E-07	2.00E-09	-1.09E-07	1.66E-07	2.99E-09	-1.63E-07
1295	489735.89, 3859276.54	2.94E-06	5.30E-08	-2.89E-06	1.24E-07	2.23E-09	-1.22E-07	1.85E-07	3.34E-09	-1.82E-07
1296	489785.89, 3859276.54	2.94E-06	5.29E-08	-2.89E-06	1.24E-07	2.23E-09	-1.21E-07	1.85E-07	3.33E-09	-1.82E-07
1297	489835.89, 3859276.54	2.89E-06	5.20E-08	-2.84E-06	1.22E-07	2.19E-09	-1.19E-07	1.82E-07	3.28E-09	-1.79E-07
1298	489885.89, 3859276.54	2.87E-06	5.16E-08	-2.82E-06	1.21E-07	2.17E-09	-1.19E-07	1.81E-07	3.25E-09	-1.77E-07
1299	489935.89, 3859276.54	2.82E-06	5.07E-08	-2.76E-06	1.18E-07	2.13E-09	-1.16E-07	1.77E-07	3.19E-09	-1.74E-07
1300	489985.89, 3859276.54	2.67E-06	4.82E-08	-2.63E-06	1.13E-07	2.03E-09	-1.11E-07	1.69E-07	3.03E-09	-1.65E-07
1301	490035.89, 3859276.54	2.73E-06	4.92E-08	-2.68E-06	1.15E-07	2.07E-09	-1.13E-07	1.72E-07	3.10E-09	-1.69E-07
1302	490458.06, 3859590.74	3.58E-06	6.45E-08	-3.52E-06	1.51E-07	2.71E-09	-1.48E-07	2.26E-07	4.06E-09	-2.22E-07
1303	490508.06, 3859590.74	3.47E-06	6.24E-08	-3.40E-06	1.46E-07	2.63E-09	-1.43E-07	2.18E-07	3.93E-09	-2.14E-07
1304	490558.06, 3859590.74	3.36E-06	6.05E-08	-3.30E-06	1.41E-07	2.54E-09	-1.39E-07	2.12E-07	3.81E-09	-2.08E-07
1305	490608.06, 3859590.74	3.24E-06	5.84E-08	-3.18E-06	1.36E-07	2.46E-09	-1.34E-07	2.04E-07	3.68E-09	-2.01E-07
1306	490658.06, 3859590.74	3.12E-06	5.62E-08	-3.07E-06	1.31E-07	2.36E-09	-1.29E-07	1.97E-07	3.54E-09	-1.93E-07
1307	490708.06, 3859590.74	3.01E-06	5.42E-08	-2.96E-06	1.27E-07	2.28E-09	-1.24E-07	1.90E-07	3.42E-09	-1.86E-07
1308	490758.06, 3859590.74	2.90E-06	5.22E-08	-2.85E-06	1.22E-07	2.20E-09	-1.20E-07	1.83E-07	3.29E-09	-1.79E-07
1309	490808.06, 3859590.74	2.83E-06	5.10E-08	-2.78E-06	1.19E-07	2.14E-09	-1.17E-07	1.78E-07	3.21E-09	-1.75E-07
1310	490858.06, 3859590.74	2.76E-06	4.96E-08	-2.71E-06	1.16E-07	2.09E-09	-1.14E-07	1.74E-07	3.13E-09	-1.71E-07
1311	490458.06, 3859640.74	3.86E-06	6.95E-08	-3.79E-06	1.62E-07	2.92E-09	-1.60E-07	2.43E-07	4.38E-09	-2.39E-07
1312	490508.06, 3859640.74	3.76E-06	6.76E-08	-3.69E-06	1.58E-07	2.84E-09	-1.55E-07	2.37E-07	4.26E-09	-2.32E-07
1313	490558.06, 3859640.74	3.65E-06	6.57E-08	-3.58E-06	1.54E-07	2.77E-09	-1.51E-07	2.30E-07	4.14E-09	-2.26E-07
1314	490608.06, 3859640.74	3.49E-06	6.28E-08	-3.43E-06	1.47E-07	2.64E-09	-1.44E-07	2.20E-07	3.96E-09	-2.16E-07
1315	490658.06, 3859640.74	3.33E-06	5.99E-08	-3.27E-06	1.40E-07	2.52E-09	-1.38E-07	2.10E-07	3.77E-09	-2.06E-07
1316	490708.06, 3859640.74	3.21E-06	5.78E-08	-3.15E-06	1.35E-07	2.43E-09	-1.33E-07	2.02E-07	3.64E-09	-1.98E-07
1317	490758.06, 3859640.74	3.08E-06	5.55E-08	-3.02E-06	1.30E-07	2.33E-09	-1.27E-07	1.94E-07	3.49E-09	-1.91E-07
1318	490808.06, 3859640.74	3.02E-06	5.44E-08	-2.97E-06	1.27E-07	2.29E-09	-1.25E-07	1.90E-07	3.43E-09	-1.87E-07
1319	490858.06, 3859640.74	2.97E-06	5.34E-08	-2.91E-06	1.25E-07	2.25E-09	-1.23E-07	1.87E-07	3.37E-09	-1.84E-07
1320	490608.06, 3859690.74	3.74E-06	6.74E-08	-3.67E-06	1.57E-07	2.83E-09	-1.55E-07	2.36E-07	4.24E-09	-2.31E-07
1321	490658.06, 3859690.74	3.56E-06	6.42E-08	-3.50E-06	1.50E-07	2.70E-09	-1.47E-07	2.25E-07	4.04E-09	-2.21E-07
1322	490708.06, 3859690.74	3.43E-06	6.17E-08	-3.36E-06	1.44E-07	2.59E-09	-1.42E-07	2.16E-07	3.89E-09	-2.12E-07
1323	490758.06, 3859690.74	3.28E-06	5.91E-08	-3.22E-06	1.38E-07	2.49E-09	-1.36E-07	2.07E-07	3.72E-09	-2.03E-07
1324	490808.06, 3859690.74	3.19E-06	5.74E-08	-3.13E-06	1.34E-07	2.42E-09	-1.32E-07	2.01E-07	3.62E-09	-1.97E-07
1325	490858.06, 3859690.74	3.19E-06	5.75E-08	-3.13E-06	1.34E-07	2.42E-09	-1.32E-07	2.01E-07	3.62E-09	-1.97E-07
1326	490708.06, 3859740.74	3.70E-06	6.67E-08	-3.64E-06	1.56E-07	2.80E-09	-1.53E-07	2.33E-07	4.20E-09	-2.29E-07
1327	490758.06, 3859740.74	3.64E-06	6.55E-08	-3.57E-06	1.53E-07	2.76E-09	-1.50E-07	2.29E-07	4.13E-09	-2.25E-07
1328	490808.06, 3859740.74	3.54E-06	6.38E-08	-3.48E-06	1.49E-07	2.68E-09	-1.46E-07	2.23E-07	4.02E-09	-2.19E-07
1329	490858.06, 3859740.74	3.49E-06	6.28E-08	-3.43E-06	1.47E-07	2.64E-09	-1.44E-07	2.20E-07	3.96E-09	-2.16E-07
1330	490786.56, 3859749.39	3.65E-06	6.57E-08	-3.58E-06	1.54E-07	2.76E-09	-1.51E-07	2.30E-07	4.14E-09	-2.26E-07
1331	490836.56, 3859749.39	3.56E-06	6.41E-08	-3.50E-06	1.50E-07	2.70E-09	-1.47E-07	2.24E-07	4.04E-09	-2.20E-07
1332	490786.56, 3859799.39	3.99E-06	7.18E-08	-3.92E-06	1.68E-07	3.02E-09	-1.65E-07	2.51E-07	4.52E-09	-2.47E-07
1333	490836.56, 3859799.39	3.89E-06	7.00E-08	-3.82E-06	1.63E-07	2.94E-09	-1.61E-07	2.45E-07	4.41E-09	-2.40E-07
1334	492307.84, 3854508.36	2.98E-07	5.37E-09	-2.93E-07	1.25E-08	2.26E-10	-1.23E-08	1.88E-08	3.38E-10	-1.84E-08
1335	486445.7, 3854753.6	3.93E-07	7.07E-09	-3.86E-07	1.65E-08	2.97E-10	-1.62E-08	2.47E-08	4.45E-10	-2.43E-08
1336	472599.75, 3877830.11	2.99E-07	5.39E-09	-2.94E-07	1.26E-08	2.27E-10	-1.24E-08	1.89E-08	3.40E-10	-1.85E-08
1337	493107.48, 3866840.19	4.46E-07	8.02E-09	-4.38E-07	1.87E-08	3.37E-10	-1.84E-08	2.81E-08	5.05E-10	-2.76E-08
1338	495815.79, 3861662.87	8.21E-04	1.48E-05	-8.06E-04	3.45E-05	6.22E-07	-3.39E-05	5.17E-05	9.31E-07	-5.08E-05
1339	480272.33, 3841389.2	6.45E-08	1.16E-09	-6.33E-08	2.71E-09	4.88E-11	-2.66E-09	4.06E-09	7.31E-11	-3.99E-09
1340	497005.18, 3862813.64	9.05E-05	1.63E-06	-8.89E-05	3.81E-06	6.86E-08	-3.74E-06	5.70E-06	1.03E-07	-5.60E-06
1341	493677.33, 3860302.55	9.88E-06	1.78E-07	-9.71E-06	4.16E-07	7.49E-09	-4.08E-07	6.23E-07	1.12E-08	-6.11E-07
1342	493727.33, 3860302.55	1.00E-05	1.81E-07	-9.85E-06	4.22E-07	7.60E-09	-4.14E-07	6.32E-07	1.14E-08	-6.21E-07
1343	493777.33, 3860302.55	1.01E-05	1.82E-07	-9.91E-06	4.25E-07	7.65E-09	-4.17E-07	6.36E-07	1.14E-08	-6.25E-07
1344	493827.33, 3860302.55	1.01E-05	1.82E-07	-9.93E-06	4.26E-07	7.66E-09	-4.18E-07	6.37E-07	1.15E-08	-6.26E-07
1345	493877.33, 3860302.55	1.03E-05	1.85E-07	-1.01E-05	4.32E-07	7.77E-09	-4.24E-07	6.46E-07	1.16E-08	-6.35E-07
1346	493927.33, 3860302.55	1.05E-05	1.89E-07	-1.03E-05	4.41E-07	7.93E-09	-4.33E-07	6.60E-07	1.19E-08	-6.48E-07
1347	493977.33, 3860302.55	1.01E-05	1.81E-07	-9.89E-06	4.24E-07	7.63E-09	-4.16E-07	6.35E-07	1.14E-08	-6.23E-07
1348	494027.33, 3860302.55	9.96E-06	1.79E-07	-9.79E-06	4.19E-07	7.55E-09	-4.12E-07	6.28E-07	1.13E-08	-6.16E-07
1349	493677.33, 3860352.55	1.12E-05	2.01E-07	-1.10E-05	4.71E-07	8.47E-09	-4.62E-07	7.05E-07	1.27E-08	-6.92E-07
1350	493727.33, 3860352.55	1.15E-05	2.07E-07	-1.13E-05	4.83E-07	8.70E-09	-4.75E-07	7.24E-07	1.30E-08	-7.11E-07
1351	493777.33, 3860352.55	1.18E-05	2.12E-07	-1.16E-05	4.95E-07	8.92E-09	-4.87E-07	7.42E-07	1.34E-08	-7.29E-07
1352	493827.33, 3860352.55	1.19E-05	2.15E-07	-1.17E-05	5.02E-07	9.03E-09	-4.93E-07	7.51E-07	1.35E-08	-7.38E-07
1353	493877.33, 3860352.55	1.19E-05	2.15E-07	-1.17E-05	5.01E-07	9.03E-09	-4.92E-07	7.51E-07	1.35E-08	-7.37E-07
1354	493927.33, 3860352.55	1.17E-05	2.11E-07	-1.15E-05	4.93E-07	8.87E-09	-4.84E-07	7.38E-07	1.33E-08	-7.24E-07
1355	493977.33, 3860352.55	1.14E-05	2.05E-07	-1.12E-05	4.79E-07	8.63E-09	-4.71E-07	7.17E-07	1.29E-08	-7.05E-07
1356	494027.33, 3860352.55	1.15E-05	2.07E-07	-1.13E-05	4.83E-07	8.69E-09	-4.74E-07	7.23E-07	1.30E-08	-7.10E-07
1357	493677.33, 3860402.55	1.31E-05	2.35E-07	-1.28E-05	5.50E-07	9.90E-09	-5.40E-07	8.24E-07	1.48E-08	-8.09E-07
1358	493727.33, 3860402.55	1.34E-05	2.41E-07	-1.32E-05	5.64E-07	1.01E-08	-5.54E-07	8.44E-07	1.52E-08	-8.29E-07
1359	493777.33, 3860402.55	1.31E-05	2.37E-07	-1.29E-05	5.53E-07	9.95E-09	-5.43E-07	8.28E-07	1.49E-08	-8.13E-07
1360	493827.33, 3860402.55	1.36E-05	2.46E-07	-1.34E-05	5.74E-07	1.03E-08	-5.63E-07	8.59E-07	1.55E-08	-8.44E-07
1361	493877.33, 3860402.55	1.39E-05	2.50E-07	-1.36E-05	5.84E-07	1.05E-08	-5.73E-07	8.74E-07	1.57E-08	-8.58E-07
1362	493927.33, 3860402.55	1.31E-05	2.35E-07	-1.28E-05	5.50E-07	9.90E-09	-5.40E-07	8.23E-07	1.48E-08	-8.08E-07
1363	493977.33, 3860402.55	1.30E-05	2.34E-07	-1.28E-05	5.47E-07	9.84E-09	-5.37E-07	8.19E-07	1.47E-08	-8.04E-07
1364	494027.33, 3860402.55	1.32E-05	2.38E-07	-1.30E-05	5.56E-07	1.00E-08	-5.46E-07	8.33E-07	1.50E-08	-8.18E-07
1365	493677.33, 3860452.55	1.49E-05	2.69E-07	-1.47E-05	6.28E-07	1.13E-08	-6.17E-07	9.40E-07	1.69E-08	-9.23E-07
1366	493727.33, 3860452.55	1.57E-05	2.83E-07	-1.54E-05	6.61E-07	1.19E-08	-6.50E-07	9.90E-07	1.78E-08	-9.73E-07
1367	493777.33, 3860452.55	1.60E-05	2.88E-07	-1.57E-05	6.73E-07	1.21E-08	-6.61E-07	1.01E-06	1.81E-08	-9.90E-07
1368	493827.33, 3860452.55	1.58E-05	2.85E-07	-1.55E-05	6.66E-07	1.20E-08	-6.54E-07	9.97E-07	1.79E-08	-9.79E-07
1369	493877.33, 3860452.55	1.58E-05	2.84E-07	-1.55E-05	6.63E-07	1.19E-08	-6.51E-07	9.93E-07	1.79E-08	-9.75E-07
1370	493927.33, 3860452.55	1.52E-05	2.73E-07	-1.49E-05	6.38E-07	1.15E-08	-6.26E-07	9.55E-07	1.72E-08	-9.38E-07
1371	493977.33, 3860452.55	1.53E-05	2.75E-07	-1.50E-05	6.43E-07	1.16E-08	-6.32E-07	9.63E-07	1.73E-08	-9.46E-07
1372	494027.33, 3860452.55	1.54E-05	2.78E-07	-1.52E-05	6.49E-07	1.17E-08	-6.38E-07	9.72E-07	1.75E-08	-9.55E-07
1373	493677.33, 3860502.55	1.74E-05	3.13E-07	-1.71E-05	7.32E-07	1.32E-08	-7.18E-07	1.10E-06	1.97E-08	-1.08E-06
1374	493727.33, 3860502.55	1.81E-05	3.25E-07	-1.77E-05	7.60E-07	1.37E-08	-7.46E-07	1.14E-06	2.05E-08	-1.12E-06
1375	493777.33, 3860502.55	1.83E-05	3.30E-07	-1.80E-05	7.71E-07	1.39E-08	-7.57E-07	1.15E-06	2.08E-08	-1.13E-06
1376	493827.33, 3860502.55	1.85E-05	3.34E-07	-1.82E-05	7.80E-07	1.40E-08	-7.66E-07	1.17E-06	2.10E-08	-1.15E-06
1377	493877.33, 3860502.55	1.83E-05	3.29E-07	-1.80E-05	7.69E-07	1.39E-08	-7.56E-07	1.15E-06	2.07E-08	-1.13E-06
1378	493927.33, 3860502.55	1.78E-05	3.20E-07	-1.75E-05	7.49E-07	1.35E-08	-7.35E-07	1.12E-06	2.02E-08	-1.10E-06
1379	493977.33, 3860502.55	1.81E-05	3.26E-07	-1.78E-05	7.61E-07	1.37E-08	-7.47E-07	1.14E-06	2.05E-08	-1.12E-06
1380	494027.33, 3860502.55	1.81E-05	3.26E-07	-1.78E-05	7.63E-07	1.37E-08	-7.49E-07	1.14E-06	2.06E-08	-1.12E-06
1381	493627.33, 3860552.55	2.02E-05	3.64E-07	-1.99E-05	8.51E-07	1.53E-08	-8.36E-07	1.27E-06	2.29E-08	-1.25E-06
1382	493677.33, 3860552.55	2.10E-05	3.78E-07	-2.06E-05	8.83E-07	1.59E-08	-8.67E-07	1.32E-06	2.38E-08	-1.30E-06
1383	493727.33, 3860552.55	2.16E-05	3.89E-07	-2.12E-05	9.09E-07	1.64E-08	-8.92E-07	1.36E-06	2.45E-08	-1.34E-06
1384	493777.33, 3860552.55	2.16E-05	3.89E-07	-2.12E-05	9.09E-07	1.64E-08	-8.93E-07	1.36E-06	2.45E-08	-1.34E-06
1385	493827.33, 3860552.55	2.13E-05	3.83E-07	-2.09E-05	8.94E-07	1.61E-08	-8.78E-07	1.34E-06	2.41E-08	-1.31E-06
1386	493877.33, 3860552.55	2.17E-05	3.90E-07	-2.13E-05	9.12E-07	1.64E-08	-8.96E-07	1.37E-06	2.46E-08	-1.34E-06
1387	493927.33, 3860552.55	2.14E-05	3.85E-07	-2.10E-05	9.01E-07	1.62E-08	-8.84E-07	1.35E-06	2.43E-08	-1.32E-06

1388	493977.33, 3860552.55	2.10E-05	3.77E-07	-2.06E-05	8.82E-07	1.59E-08	-8.66E-07	1.32E-06	2.38E-08	-1.30E-06
1389	494027.33, 3860552.55	2.12E-05	3.82E-07	-2.09E-05	8.93E-07	1.61E-08	-8.77E-07	1.34E-06	2.41E-08	-1.31E-06
1390	493627.33, 3860602.55	2.41E-05	4.35E-07	-2.37E-05	1.02E-06	1.83E-08	-9.97E-07	1.52E-06	2.74E-08	-1.49E-06
1391	493727.33, 3860602.55	2.64E-05	4.76E-07	-2.59E-05	1.11E-06	2.00E-08	-1.09E-06	1.66E-06	3.00E-08	-1.63E-06
1392	493777.33, 3860602.55	2.55E-05	4.59E-07	-2.51E-05	1.07E-06	1.93E-08	-1.05E-06	1.61E-06	2.89E-08	-1.58E-06
1393	493827.33, 3860602.55	2.56E-05	4.61E-07	-2.51E-05	1.08E-06	1.94E-08	-1.06E-06	1.61E-06	2.90E-08	-1.58E-06
1394	493877.33, 3860602.55	2.50E-05	4.49E-07	-2.45E-05	1.05E-06	1.89E-08	-1.03E-06	1.57E-06	2.83E-08	-1.54E-06
1395	493927.33, 3860602.55	2.48E-05	4.47E-07	-2.44E-05	1.04E-06	1.88E-08	-1.03E-06	1.56E-06	2.81E-08	-1.54E-06
1396	493977.33, 3860602.55	2.45E-05	4.42E-07	-2.41E-05	1.03E-06	1.86E-08	-1.01E-06	1.55E-06	2.78E-08	-1.52E-06
1397	494027.33, 3860602.55	2.50E-05	4.51E-07	-2.46E-05	1.05E-06	1.90E-08	-1.03E-06	1.58E-06	2.84E-08	-1.55E-06
1398	493627.33, 3860652.55	2.95E-05	5.30E-07	-2.89E-05	1.24E-06	2.23E-08	-1.22E-06	1.86E-06	3.34E-08	-1.82E-06
1399	493727.33, 3860652.55	3.18E-05	5.73E-07	-3.13E-05	1.34E-06	2.41E-08	-1.31E-06	2.00E-06	3.61E-08	-1.97E-06
1400	493777.33, 3860652.55	3.10E-05	5.59E-07	-3.05E-05	1.31E-06	2.35E-08	-1.28E-06	1.96E-06	3.52E-08	-1.92E-06
1401	493827.33, 3860652.55	3.03E-05	5.46E-07	-2.98E-05	1.27E-06	2.29E-08	-1.25E-06	1.91E-06	3.44E-08	-1.87E-06
1402	493877.33, 3860652.55	2.93E-05	5.28E-07	-2.88E-05	1.23E-06	2.22E-08	-1.21E-06	1.85E-06	3.33E-08	-1.81E-06
1403	493927.33, 3860652.55	2.92E-05	5.25E-07	-2.87E-05	1.23E-06	2.21E-08	-1.21E-06	1.84E-06	3.31E-08	-1.80E-06
1404	493977.33, 3860652.55	2.91E-05	5.24E-07	-2.86E-05	1.23E-06	2.21E-08	-1.20E-06	1.83E-06	3.30E-08	-1.80E-06
1405	494027.33, 3860652.55	2.84E-05	5.12E-07	-2.79E-05	1.20E-06	2.15E-08	-1.17E-06	1.79E-06	3.23E-08	-1.76E-06
1406	494311.06, 3858401.99	6.49E-07	1.17E-08	-6.37E-07	2.73E-08	4.92E-10	-2.68E-08	4.09E-08	7.36E-10	-4.02E-08
1407	494361.06, 3858401.99	6.46E-07	1.16E-08	-6.35E-07	2.72E-08	4.89E-10	-2.67E-08	4.07E-08	7.33E-10	-4.00E-08
1408	494411.06, 3858401.99	6.43E-07	1.16E-08	-6.32E-07	2.71E-08	4.87E-10	-2.66E-08	4.05E-08	7.30E-10	-3.98E-08
1409	494461.06, 3858401.99	6.42E-07	1.16E-08	-6.30E-07	2.70E-08	4.86E-10	-2.65E-08	4.04E-08	7.28E-10	-3.97E-08
1410	494511.06, 3858401.99	6.39E-07	1.15E-08	-6.28E-07	2.69E-08	4.84E-10	-2.64E-08	4.03E-08	7.25E-10	-3.95E-08
1411	494561.06, 3858401.99	6.38E-07	1.15E-08	-6.26E-07	2.68E-08	4.83E-10	-2.63E-08	4.02E-08	7.23E-10	-3.94E-08
1412	494611.06, 3858401.99	6.33E-07	1.14E-08	-6.22E-07	2.66E-08	4.80E-10	-2.62E-08	3.99E-08	7.18E-10	-3.92E-08
1413	494661.06, 3858401.99	6.30E-07	1.13E-08	-6.19E-07	2.65E-08	4.77E-10	-2.60E-08	3.97E-08	7.15E-10	-3.90E-08
1414	494711.06, 3858401.99	6.26E-07	1.13E-08	-6.15E-07	2.63E-08	4.74E-10	-2.59E-08	3.94E-08	7.10E-10	-3.87E-08
1415	494761.06, 3858401.99	6.25E-07	1.12E-08	-6.13E-07	2.63E-08	4.73E-10	-2.58E-08	3.94E-08	7.08E-10	-3.86E-08
1416	494811.06, 3858401.99	6.23E-07	1.12E-08	-6.12E-07	2.62E-08	4.72E-10	-2.57E-08	3.93E-08	7.07E-10	-3.86E-08
1417	494861.06, 3858401.99	6.22E-07	1.12E-08	-6.11E-07	2.62E-08	4.71E-10	-2.57E-08	3.92E-08	7.05E-10	-3.85E-08
1418	494911.06, 3858401.99	6.20E-07	1.12E-08	-6.09E-07	2.61E-08	4.70E-10	-2.56E-08	3.91E-08	7.04E-10	-3.84E-08
1419	494961.06, 3858401.99	6.19E-07	1.11E-08	-6.08E-07	2.60E-08	4.69E-10	-2.56E-08	3.90E-08	7.02E-10	-3.83E-08
1420	495011.06, 3858401.99	6.16E-07	1.11E-08	-6.05E-07	2.59E-08	4.67E-10	-2.55E-08	3.88E-08	6.99E-10	-3.81E-08
1421	495061.06, 3858401.99	6.15E-07	1.11E-08	-6.04E-07	2.59E-08	4.66E-10	-2.54E-08	3.87E-08	6.97E-10	-3.80E-08
1422	495111.06, 3858401.99	6.10E-07	1.10E-08	-5.99E-07	2.57E-08	4.62E-10	-2.52E-08	3.84E-08	6.92E-10	-3.78E-08
1423	495161.06, 3858401.99	6.10E-07	1.10E-08	-5.99E-07	2.57E-08	4.62E-10	-2.52E-08	3.84E-08	6.92E-10	-3.78E-08
1424	495211.06, 3858401.99	6.06E-07	1.09E-08	-5.95E-07	2.55E-08	4.59E-10	-2.50E-08	3.82E-08	6.87E-10	-3.75E-08
1425	495261.06, 3858401.99	6.05E-07	1.09E-08	-5.94E-07	2.54E-08	4.58E-10	-2.50E-08	3.81E-08	6.86E-10	-3.74E-08
1426	495311.06, 3858401.99	6.02E-07	1.08E-08	-5.91E-07	2.53E-08	4.56E-10	-2.49E-08	3.79E-08	6.82E-10	-3.72E-08
1427	495361.06, 3858401.99	6.02E-07	1.08E-08	-5.91E-07	2.53E-08	4.56E-10	-2.49E-08	3.79E-08	6.82E-10	-3.72E-08
1428	495411.06, 3858401.99	6.03E-07	1.09E-08	-5.92E-07	2.54E-08	4.57E-10	-2.49E-08	3.80E-08	6.84E-10	-3.73E-08
1429	495461.06, 3858401.99	6.05E-07	1.09E-08	-5.94E-07	2.54E-08	4.58E-10	-2.50E-08	3.81E-08	6.86E-10	-3.74E-08
1430	495511.06, 3858401.99	6.05E-07	1.09E-08	-5.94E-07	2.54E-08	4.58E-10	-2.50E-08	3.81E-08	6.86E-10	-3.74E-08
1431	495561.06, 3858401.99	6.00E-07	1.08E-08	-5.90E-07	2.53E-08	4.55E-10	-2.48E-08	3.78E-08	6.81E-10	-3.71E-08
1432	495611.06, 3858401.99	6.02E-07	1.08E-08	-5.91E-07	2.53E-08	4.56E-10	-2.49E-08	3.79E-08	6.82E-10	-3.72E-08
1433	495661.06, 3858401.99	6.09E-07	1.10E-08	-5.98E-07	2.56E-08	4.61E-10	-2.52E-08	3.84E-08	6.91E-10	-3.77E-08
1434	494311.06, 3858451.99	6.75E-07	1.21E-08	-6.63E-07	2.84E-08	5.11E-10	-2.79E-08	4.25E-08	7.65E-10	-4.17E-08
1435	494361.06, 3858451.99	6.73E-07	1.21E-08	-6.61E-07	2.83E-08	5.10E-10	-2.78E-08	4.24E-08	7.64E-10	-4.17E-08
1436	494411.06, 3858451.99	6.72E-07	1.21E-08	-6.60E-07	2.83E-08	5.09E-10	-2.78E-08	4.23E-08	7.62E-10	-4.16E-08
1437	494461.06, 3858451.99	6.71E-07	1.21E-08	-6.58E-07	2.82E-08	5.08E-10	-2.77E-08	4.22E-08	7.60E-10	-4.15E-08
1438	494511.06, 3858451.99	6.69E-07	1.20E-08	-6.57E-07	2.81E-08	5.07E-10	-2.76E-08	4.22E-08	7.59E-10	-4.14E-08
1439	494561.06, 3858451.99	6.65E-07	1.20E-08	-6.53E-07	2.80E-08	5.04E-10	-2.75E-08	4.19E-08	7.54E-10	-4.11E-08
1440	494611.06, 3858451.99	6.62E-07	1.19E-08	-6.50E-07	2.78E-08	5.01E-10	-2.73E-08	4.17E-08	7.51E-10	-4.09E-08
1441	494661.06, 3858451.99	6.58E-07	1.18E-08	-6.46E-07	2.77E-08	4.98E-10	-2.72E-08	4.14E-08	7.46E-10	-4.07E-08
1442	494711.06, 3858451.99	6.55E-07	1.18E-08	-6.43E-07	2.75E-08	4.96E-10	-2.71E-08	4.12E-08	7.43E-10	-4.05E-08
1443	494761.06, 3858451.99	6.52E-07	1.17E-08	-6.40E-07	2.74E-08	4.94E-10	-2.69E-08	4.11E-08	7.39E-10	-4.03E-08
1444	494811.06, 3858451.99	6.50E-07	1.17E-08	-6.39E-07	2.74E-08	4.93E-10	-2.69E-08	4.10E-08	7.38E-10	-4.02E-08
1445	494861.06, 3858451.99	6.49E-07	1.17E-08	-6.37E-07	2.73E-08	4.92E-10	-2.68E-08	4.09E-08	7.36E-10	-4.02E-08
1446	494911.06, 3858451.99	6.45E-07	1.16E-08	-6.33E-07	2.71E-08	4.88E-10	-2.66E-08	4.06E-08	7.31E-10	-3.99E-08
1447	494961.06, 3858451.99	6.45E-07	1.16E-08	-6.33E-07	2.71E-08	4.88E-10	-2.66E-08	4.06E-08	7.31E-10	-3.99E-08
1448	495011.06, 3858451.99	6.43E-07	1.16E-08	-6.32E-07	2.71E-08	4.87E-10	-2.66E-08	4.05E-08	7.30E-10	-3.98E-08
1449	495061.06, 3858451.99	6.43E-07	1.16E-08	-6.32E-07	2.71E-08	4.87E-10	-2.66E-08	4.05E-08	7.30E-10	-3.98E-08
1450	495111.06, 3858451.99	6.38E-07	1.15E-08	-6.26E-07	2.68E-08	4.83E-10	-2.63E-08	4.02E-08	7.23E-10	-3.94E-08
1451	495161.06, 3858451.99	6.35E-07	1.14E-08	-6.23E-07	2.67E-08	4.81E-10	-2.62E-08	4.00E-08	7.20E-10	-3.93E-08
1452	495211.06, 3858451.99	6.30E-07	1.13E-08	-6.19E-07	2.65E-08	4.77E-10	-2.60E-08	3.97E-08	7.15E-10	-3.90E-08
1453	495261.06, 3858451.99	6.28E-07	1.13E-08	-6.16E-07	2.64E-08	4.75E-10	-2.59E-08	3.95E-08	7.12E-10	-3.88E-08
1454	495311.06, 3858451.99	6.28E-07	1.13E-08	-6.16E-07	2.64E-08	4.75E-10	-2.59E-08	3.95E-08	7.12E-10	-3.88E-08
1455	495361.06, 3858451.99	6.28E-07	1.13E-08	-6.16E-07	2.64E-08	4.75E-10	-2.59E-08	3.95E-08	7.12E-10	-3.88E-08
1456	495411.06, 3858451.99	6.29E-07	1.13E-08	-6.18E-07	2.65E-08	4.76E-10	-2.60E-08	3.96E-08	7.13E-10	-3.89E-08
1457	495461.06, 3858451.99	6.30E-07	1.13E-08	-6.19E-07	2.65E-08	4.77E-10	-2.60E-08	3.97E-08	7.15E-10	-3.90E-08
1458	495511.06, 3858451.99	6.29E-07	1.13E-08	-6.18E-07	2.65E-08	4.76E-10	-2.60E-08	3.96E-08	7.13E-10	-3.89E-08
1459	495561.06, 3858451.99	6.32E-07	1.14E-08	-6.20E-07	2.66E-08	4.79E-10	-2.61E-08	3.98E-08	7.17E-10	-3.91E-08
1460	495611.06, 3858451.99	6.32E-07	1.14E-08	-6.20E-07	2.66E-08	4.79E-10	-2.61E-08	3.98E-08	7.17E-10	-3.91E-08
1461	495661.06, 3858451.99	6.35E-07	1.14E-08	-6.23E-07	2.67E-08	4.81E-10	-2.62E-08	4.00E-08	7.20E-10	-3.93E-08
1462	494311.06, 3858501.99	6.98E-07	1.26E-08	-6.85E-07	2.94E-08	5.28E-10	-2.88E-08	4.40E-08	7.91E-10	-4.32E-08
1463	494361.06, 3858501.99	6.98E-07	1.26E-08	-6.85E-07	2.94E-08	5.28E-10	-2.88E-08	4.40E-08	7.91E-10	-4.32E-08
1464	494411.06, 3858501.99	6.96E-07	1.25E-08	-6.84E-07	2.93E-08	5.27E-10	-2.88E-08	4.39E-08	7.90E-10	-4.31E-08
1465	494461.06, 3858501.99	6.96E-07	1.25E-08	-6.84E-07	2.93E-08	5.27E-10	-2.88E-08	4.39E-08	7.90E-10	-4.31E-08
1466	494511.06, 3858501.99	6.93E-07	1.25E-08	-6.81E-07	2.92E-08	5.25E-10	-2.86E-08	4.37E-08	7.86E-10	-4.29E-08
1467	494561.06, 3858501.99	6.93E-07	1.25E-08	-6.81E-07	2.92E-08	5.25E-10	-2.86E-08	4.37E-08	7.86E-10	-4.29E-08
1468	494611.06, 3858501.99	6.91E-07	1.24E-08	-6.78E-07	2.91E-08	5.23E-10	-2.85E-08	4.35E-08	7.83E-10	-4.27E-08
1469	494661.06, 3858501.99	6.88E-07	1.24E-08	-6.75E-07	2.89E-08	5.21E-10	-2.84E-08	4.33E-08	7.80E-10	-4.25E-08
1470	494711.06, 3858501.99	6.85E-07	1.23E-08	-6.73E-07	2.88E-08	5.19E-10	-2.83E-08	4.31E-08	7.77E-10	-4.24E-08
1471	494761.06, 3858501.99	6.82E-07	1.23E-08	-6.70E-07	2.87E-08	5.17E-10	-2.82E-08	4.30E-08	7.73E-10	-4.22E-08
1472	494811.06, 3858501.99	6.78E-07	1.22E-08	-6.65E-07	2.85E-08	5.13E-10	-2.80E-08	4.27E-08	7.69E-10	-4.19E-08
1473	494861.06, 3858501.99	6.78E-07	1.22E-08	-6.65E-07	2.85E-08	5.13E-10	-2.80E-08	4.27E-08	7.69E-10	-4.19E-08
1474	494911.06, 3858501.99	6.75E-07	1.21E-08	-6.63E-07	2.84E-08	5.11E-10	-2.79E-08	4.25E-08	7.65E-10	-4.17E-08
1475	494961.06, 3858501.99	6.73E-07	1.21E-08	-6.61E-07	2.83E-08	5.10E-10	-2.78E-08	4.24E-08	7.64E-10	-4.17E-08
1476	495011.06, 3858501.99	6.71E-07	1.21E-08	-6.58E-07	2.82E-08	5.08E-10	-2.77E-08	4.22E-08	7.60E-10	-4.15E-08
1477	495061.06, 3858501.99	6.71E-07	1.21E-08	-6.58E-07	2.82E-08	5.08E-10	-2.77E-08	4.22E-08	7.60E-10	-4.15E-08
1478	495111.06, 3858501.99	6.65E-07	1.20E-08	-6.53E-07	2.80E-08	5.04E-10	-2.75E-08	4.19E-08	7.54E-10	-4.11E-08
1479	495161.06, 3858501.99	6.59E-07	1.19E-08	-6.47E-07	2.77E-08	4.99E-10	-2.72E-08	4.15E-08	7.47E-10	-4.08E-08
1480	495211.06, 3858501.99	6.56E-07	1.18E-08	-6.44E-07	2.76E-08	4.97E-10	-2.71E-08	4.13E-08	7.44E-10	-4.06E-08
1481	495261.06, 3858501.99	6.53E-07	1.18E-08	-6.42E-07	2.75E-08	4.95E-10	-2.70E-08	4.12E-08	7.41E-10	-4.04E-08
1482	495311.06, 3858501.99	6.53E-07	1.18E-08	-6.42E-07	2.75E-08	4.95E-10	-2.70E-08	4.12E-08	7.41E-10	-4.04E-08
1483	495361.06, 3858501.99	6.55E-07	1.18E-08	-6.43E-07	2.75E-08	4.96E-10	-2.71E-08	4.12E-08	7.43E-10	-4.05E-08
1484	495411.06, 3858501.99	6.56E-07	1.18E-08	-6.44E-07	2.76E-08	4.97E-10	-2.71E-08	4.13E-08	7.44E-10	-4.06E-08
1485	495461.06, 3858501.99	6.58E-07	1.18E-08	-6.46E-07	2.77E-08	4.98E-10	-2.72E-08	4.14E-08	7.46E-10	-4.07E-08
1486	495511.06, 3858501.99	6.58E-07	1.18E-08	-6.46E-07	2.77E-08	4.98E-10	-2.72E-08	4.14E-08	7.46E-10	-4.07E-08
1487	495561.06, 3858501.99	6.61E-07	1.19E-08	-6.49E-07	2.78E-08	5.00E-10	-2.73E-08	4.16E-08	7.49E-10	-4.09E-08
1488	495611.06, 3858501.99	6.55E-07	1.18E-08	-6.43E-07	2.75E-08	4.96E-10	-2.71E-08	4.12E-08	7.43E-10	-4.05E-08
1489	495661.06, 3858501.99	6.63E-07	1.19E-08	-6.51E-07	2.79E-08	5.02E-10	-2.74E-08	4.18E-08	7.52E-10	-4.10E-08
1490	494311.06, 3858551.99	7.09E-07	1.28E-08	-6.96E-07	2.98E-08	5.37E-10	-2.93E-08	4.47E-08	8.04E-10	-4.39E-08
1491	494361.06, 3858551.99	7.12E-07	1.28E-08	-6.99E-07	3.00E-08	5.39E-10	-2.94E-08	4.49E-08	8.08E-10	-4.41E-08
1492	494411.06, 3858551.99	7.25E-07	1.31E-08	-7.12E-07	3.05E-08	5.49E-10	-3.00E-08	4.57E-08	8.22E-10	-4.48E-08
1493	494461.06, 3858551.99	7.26E-07	1.31E-08	-7.13E-07	3.06E-08	5.50E-10	-3.00E-08	4.58E-08	8.24E-10	-4.49E-08
1494	494511.06, 3858551.99	7.25E-07	1.31E-08	-7.12E-07	3.05E-08	5.49E-10	-3.00E-08	4.57E-08	8.22E-10	-4.48E-08

1495	494561.06, 3858551.99	7.24E-07	1.30E-08	-7.11E-07	3.04E-08	5.48E-10	-2.99E-08	4.56E-08	8.21E-10	-4.48E-08
1496	494611.06, 3858551.99	7.21E-07	1.30E-08	-7.08E-07	3.03E-08	5.46E-10	-2.98E-08	4.54E-08	8.17E-10	-4.46E-08
1497	494661.06, 3858551.99	7.19E-07	1.29E-08	-7.06E-07	3.03E-08	5.45E-10	-2.97E-08	4.53E-08	8.16E-10	-4.45E-08
1498	494711.06, 3858551.99	7.15E-07	1.29E-08	-7.02E-07	3.01E-08	5.42E-10	-2.95E-08	4.50E-08	8.11E-10	-4.42E-08
1499	494761.06, 3858551.99	7.12E-07	1.28E-08	-6.99E-07	3.00E-08	5.39E-10	-2.94E-08	4.49E-08	8.08E-10	-4.41E-08
1500	494811.06, 3858551.99	7.12E-07	1.28E-08	-6.99E-07	3.00E-08	5.39E-10	-2.94E-08	4.49E-08	8.08E-10	-4.41E-08
1501	494861.06, 3858551.99	7.11E-07	1.28E-08	-6.98E-07	2.99E-08	5.38E-10	-2.94E-08	4.48E-08	8.06E-10	-4.40E-08
1502	494911.06, 3858551.99	7.08E-07	1.27E-08	-6.95E-07	2.98E-08	5.36E-10	-2.92E-08	4.46E-08	8.03E-10	-4.38E-08
1503	494961.06, 3858551.99	7.05E-07	1.27E-08	-6.92E-07	2.97E-08	5.34E-10	-2.91E-08	4.44E-08	7.99E-10	-4.36E-08
1504	495011.06, 3858551.99	7.01E-07	1.26E-08	-6.88E-07	2.95E-08	5.31E-10	-2.89E-08	4.41E-08	7.95E-10	-4.33E-08
1505	495061.06, 3858551.99	6.98E-07	1.26E-08	-6.85E-07	2.94E-08	5.28E-10	-2.88E-08	4.40E-08	7.91E-10	-4.32E-08
1506	495111.06, 3858551.99	6.92E-07	1.25E-08	-6.80E-07	2.91E-08	5.24E-10	-2.86E-08	4.36E-08	7.85E-10	-4.28E-08
1507	495161.06, 3858551.99	6.88E-07	1.24E-08	-6.75E-07	2.89E-08	5.21E-10	-2.84E-08	4.33E-08	7.80E-10	-4.25E-08
1508	495211.06, 3858551.99	6.85E-07	1.23E-08	-6.73E-07	2.88E-08	5.19E-10	-2.83E-08	4.31E-08	7.77E-10	-4.24E-08
1509	495261.06, 3858551.99	6.83E-07	1.23E-08	-6.71E-07	2.88E-08	5.18E-10	-2.82E-08	4.31E-08	7.75E-10	-4.23E-08
1510	495311.06, 3858551.99	6.83E-07	1.23E-08	-6.71E-07	2.88E-08	5.18E-10	-2.82E-08	4.31E-08	7.75E-10	-4.23E-08
1511	495361.06, 3858551.99	6.83E-07	1.23E-08	-6.71E-07	2.88E-08	5.18E-10	-2.82E-08	4.31E-08	7.75E-10	-4.23E-08
1512	495411.06, 3858551.99	6.86E-07	1.24E-08	-6.74E-07	2.89E-08	5.20E-10	-2.84E-08	4.32E-08	7.78E-10	-4.25E-08
1513	495461.06, 3858551.99	6.86E-07	1.24E-08	-6.74E-07	2.89E-08	5.20E-10	-2.84E-08	4.32E-08	7.78E-10	-4.25E-08
1514	495511.06, 3858551.99	6.89E-07	1.24E-08	-6.77E-07	2.90E-08	5.22E-10	-2.85E-08	4.34E-08	7.82E-10	-4.26E-08
1515	495561.06, 3858551.99	6.89E-07	1.24E-08	-6.77E-07	2.90E-08	5.22E-10	-2.85E-08	4.34E-08	7.82E-10	-4.26E-08
1516	495611.06, 3858551.99	6.91E-07	1.24E-08	-6.78E-07	2.91E-08	5.23E-10	-2.85E-08	4.35E-08	7.83E-10	-4.27E-08
1517	495661.06, 3858551.99	6.92E-07	1.25E-08	-6.80E-07	2.91E-08	5.24E-10	-2.86E-08	4.36E-08	7.85E-10	-4.28E-08
1518	494311.06, 3858601.99	7.24E-07	1.30E-08	-7.11E-07	3.04E-08	5.48E-10	-2.99E-08	4.56E-08	8.21E-10	-4.48E-08
1519	494361.06, 3858601.99	7.35E-07	1.32E-08	-7.22E-07	3.09E-08	5.57E-10	-3.04E-08	4.63E-08	8.34E-10	-4.55E-08
1520	494411.06, 3858601.99	7.58E-07	1.36E-08	-7.44E-07	3.19E-08	5.74E-10	-3.13E-08	4.77E-08	8.60E-10	-4.69E-08
1521	494461.06, 3858601.99	7.59E-07	1.37E-08	-7.46E-07	3.19E-08	5.75E-10	-3.14E-08	4.78E-08	8.61E-10	-4.70E-08
1522	494511.06, 3858601.99	7.52E-07	1.35E-08	-7.39E-07	3.16E-08	5.70E-10	-3.11E-08	4.74E-08	8.53E-10	-4.65E-08
1523	494561.06, 3858601.99	7.58E-07	1.36E-08	-7.44E-07	3.19E-08	5.74E-10	-3.13E-08	4.77E-08	8.60E-10	-4.69E-08
1524	494611.06, 3858601.99	7.54E-07	1.36E-08	-7.40E-07	3.17E-08	5.71E-10	-3.11E-08	4.75E-08	8.55E-10	-4.66E-08
1525	494661.06, 3858601.99	7.52E-07	1.35E-08	-7.39E-07	3.16E-08	5.70E-10	-3.11E-08	4.74E-08	8.53E-10	-4.65E-08
1526	494711.06, 3858601.99	7.49E-07	1.35E-08	-7.36E-07	3.15E-08	5.68E-10	-3.10E-08	4.72E-08	8.50E-10	-4.64E-08
1527	494761.06, 3858601.99	7.46E-07	1.34E-08	-7.33E-07	3.14E-08	5.65E-10	-3.08E-08	4.70E-08	8.47E-10	-4.62E-08
1528	494811.06, 3858601.99	7.42E-07	1.34E-08	-7.29E-07	3.12E-08	5.62E-10	-3.07E-08	4.68E-08	8.42E-10	-4.59E-08
1529	494861.06, 3858601.99	7.42E-07	1.34E-08	-7.29E-07	3.12E-08	5.62E-10	-3.07E-08	4.68E-08	8.42E-10	-4.59E-08
1530	494911.06, 3858601.99	7.39E-07	1.33E-08	-7.26E-07	3.11E-08	5.60E-10	-3.05E-08	4.66E-08	8.38E-10	-4.57E-08
1531	494961.06, 3858601.99	7.38E-07	1.33E-08	-7.25E-07	3.10E-08	5.59E-10	-3.05E-08	4.65E-08	8.37E-10	-4.56E-08
1532	495011.06, 3858601.99	7.35E-07	1.32E-08	-7.22E-07	3.09E-08	5.57E-10	-3.04E-08	4.63E-08	8.34E-10	-4.55E-08
1533	495061.06, 3858601.99	7.28E-07	1.31E-08	-7.15E-07	3.06E-08	5.51E-10	-3.01E-08	4.59E-08	8.25E-10	-4.50E-08
1534	495111.06, 3858601.99	7.21E-07	1.30E-08	-7.08E-07	3.03E-08	5.46E-10	-2.98E-08	4.54E-08	8.17E-10	-4.46E-08
1535	495161.06, 3858601.99	7.16E-07	1.29E-08	-7.03E-07	3.01E-08	5.43E-10	-2.96E-08	4.51E-08	8.12E-10	-4.43E-08
1536	495211.06, 3858601.99	7.15E-07	1.29E-08	-7.02E-07	3.01E-08	5.42E-10	-2.95E-08	4.50E-08	8.11E-10	-4.42E-08
1537	495261.06, 3858601.99	7.14E-07	1.28E-08	-7.01E-07	3.00E-08	5.40E-10	-2.95E-08	4.49E-08	8.09E-10	-4.41E-08
1538	495311.06, 3858601.99	7.14E-07	1.28E-08	-7.01E-07	3.00E-08	5.40E-10	-2.95E-08	4.49E-08	8.09E-10	-4.41E-08
1539	495361.06, 3858601.99	7.15E-07	1.29E-08	-7.02E-07	3.01E-08	5.42E-10	-2.95E-08	4.50E-08	8.11E-10	-4.42E-08
1540	495411.06, 3858601.99	7.16E-07	1.29E-08	-7.03E-07	3.01E-08	5.43E-10	-2.96E-08	4.51E-08	8.12E-10	-4.43E-08
1541	495461.06, 3858601.99	7.18E-07	1.29E-08	-7.05E-07	3.02E-08	5.44E-10	-2.97E-08	4.52E-08	8.14E-10	-4.44E-08
1542	495511.06, 3858601.99	7.19E-07	1.29E-08	-7.06E-07	3.03E-08	5.45E-10	-2.97E-08	4.53E-08	8.16E-10	-4.45E-08
1543	495561.06, 3858601.99	7.21E-07	1.30E-08	-7.08E-07	3.03E-08	5.46E-10	-2.98E-08	4.54E-08	8.17E-10	-4.46E-08
1544	495611.06, 3858601.99	7.21E-07	1.30E-08	-7.08E-07	3.03E-08	5.46E-10	-2.98E-08	4.54E-08	8.17E-10	-4.46E-08
1545	495661.06, 3858601.99	7.24E-07	1.30E-08	-7.11E-07	3.04E-08	5.48E-10	-2.99E-08	4.56E-08	8.21E-10	-4.48E-08
1546	494311.06, 3858651.99	7.45E-07	1.34E-08	-7.32E-07	3.13E-08	5.64E-10	-3.08E-08	4.69E-08	8.45E-10	-4.61E-08
1547	494361.06, 3858651.99	7.57E-07	1.36E-08	-7.43E-07	3.18E-08	5.73E-10	-3.13E-08	4.77E-08	8.58E-10	-4.68E-08
1548	494411.06, 3858651.99	7.78E-07	1.40E-08	-7.64E-07	3.27E-08	5.89E-10	-3.21E-08	4.90E-08	8.82E-10	-4.81E-08
1549	494461.06, 3858651.99	7.92E-07	1.43E-08	-7.78E-07	3.33E-08	6.00E-10	-3.27E-08	4.99E-08	8.99E-10	-4.90E-08
1550	494511.06, 3858651.99	7.91E-07	1.42E-08	-7.77E-07	3.33E-08	5.99E-10	-3.27E-08	4.98E-08	8.97E-10	-4.89E-08
1551	494561.06, 3858651.99	7.91E-07	1.42E-08	-7.77E-07	3.33E-08	5.99E-10	-3.27E-08	4.98E-08	8.97E-10	-4.89E-08
1552	494611.06, 3858651.99	7.89E-07	1.42E-08	-7.75E-07	3.32E-08	5.98E-10	-3.26E-08	4.97E-08	8.95E-10	-4.88E-08
1553	494661.06, 3858651.99	7.87E-07	1.42E-08	-7.72E-07	3.31E-08	5.96E-10	-3.25E-08	4.96E-08	8.92E-10	-4.87E-08
1554	494711.06, 3858651.99	7.84E-07	1.41E-08	-7.70E-07	3.30E-08	5.94E-10	-3.24E-08	4.94E-08	8.89E-10	-4.85E-08
1555	494761.06, 3858651.99	7.82E-07	1.41E-08	-7.68E-07	3.29E-08	5.93E-10	-3.23E-08	4.93E-08	8.87E-10	-4.84E-08
1556	494811.06, 3858651.99	7.79E-07	1.40E-08	-7.65E-07	3.28E-08	5.90E-10	-3.22E-08	4.91E-08	8.84E-10	-4.82E-08
1557	494861.06, 3858651.99	7.77E-07	1.40E-08	-7.63E-07	3.27E-08	5.88E-10	-3.21E-08	4.89E-08	8.81E-10	-4.80E-08
1558	494911.06, 3858651.99	7.74E-07	1.39E-08	-7.60E-07	3.25E-08	5.86E-10	-3.20E-08	4.87E-08	8.77E-10	-4.79E-08
1559	494961.06, 3858651.99	7.71E-07	1.39E-08	-7.57E-07	3.24E-08	5.84E-10	-3.18E-08	4.86E-08	8.74E-10	-4.77E-08
1560	495011.06, 3858651.99	7.68E-07	1.38E-08	-7.54E-07	3.23E-08	5.82E-10	-3.17E-08	4.84E-08	8.71E-10	-4.75E-08
1561	495061.06, 3858651.99	7.62E-07	1.37E-08	-7.49E-07	3.21E-08	5.77E-10	-3.15E-08	4.80E-08	8.64E-10	-4.72E-08
1562	495111.06, 3858651.99	7.54E-07	1.36E-08	-7.40E-07	3.17E-08	5.71E-10	-3.11E-08	4.75E-08	8.55E-10	-4.66E-08
1563	495161.06, 3858651.99	7.51E-07	1.35E-08	-7.37E-07	3.16E-08	5.69E-10	-3.10E-08	4.73E-08	8.51E-10	-4.64E-08
1564	495211.06, 3858651.99	7.46E-07	1.34E-08	-7.33E-07	3.14E-08	5.65E-10	-3.08E-08	4.70E-08	8.47E-10	-4.62E-08
1565	495261.06, 3858651.99	7.46E-07	1.34E-08	-7.33E-07	3.14E-08	5.65E-10	-3.08E-08	4.70E-08	8.47E-10	-4.62E-08
1566	495311.06, 3858651.99	7.46E-07	1.34E-08	-7.33E-07	3.14E-08	5.65E-10	-3.08E-08	4.70E-08	8.47E-10	-4.62E-08
1567	495361.06, 3858651.99	7.48E-07	1.35E-08	-7.34E-07	3.15E-08	5.66E-10	-3.09E-08	4.71E-08	8.48E-10	-4.63E-08
1568	495411.06, 3858651.99	7.51E-07	1.35E-08	-7.37E-07	3.16E-08	5.69E-10	-3.10E-08	4.73E-08	8.51E-10	-4.64E-08
1569	495461.06, 3858651.99	7.54E-07	1.36E-08	-7.40E-07	3.17E-08	5.71E-10	-3.11E-08	4.75E-08	8.55E-10	-4.66E-08
1570	495511.06, 3858651.99	7.54E-07	1.36E-08	-7.40E-07	3.17E-08	5.71E-10	-3.11E-08	4.75E-08	8.55E-10	-4.66E-08
1571	495561.06, 3858651.99	7.54E-07	1.36E-08	-7.40E-07	3.17E-08	5.71E-10	-3.11E-08	4.75E-08	8.55E-10	-4.66E-08
1572	495611.06, 3858651.99	7.54E-07	1.36E-08	-7.40E-07	3.17E-08	5.71E-10	-3.11E-08	4.75E-08	8.55E-10	-4.66E-08
1573	495661.06, 3858651.99	7.57E-07	1.36E-08	-7.43E-07	3.18E-08	5.73E-10	-3.13E-08	4.77E-08	8.58E-10	-4.68E-08
1574	494311.06, 3858701.99	7.75E-07	1.40E-08	-7.61E-07	3.26E-08	5.87E-10	-3.20E-08	4.88E-08	8.79E-10	-4.80E-08
1575	494361.06, 3858701.99	7.94E-07	1.43E-08	-7.79E-07	3.34E-08	6.01E-10	-3.28E-08	5.00E-08	9.00E-10	-4.91E-08
1576	494411.06, 3858701.99	8.11E-07	1.46E-08	-7.96E-07	3.41E-08	6.14E-10	-3.35E-08	5.11E-08	9.20E-10	-5.02E-08
1577	494461.06, 3858701.99	8.14E-07	1.47E-08	-7.99E-07	3.42E-08	6.16E-10	-3.36E-08	5.13E-08	9.23E-10	-5.03E-08
1578	494511.06, 3858701.99	8.27E-07	1.49E-08	-8.12E-07	3.48E-08	6.26E-10	-3.42E-08	5.21E-08	9.38E-10	-5.11E-08
1579	494561.06, 3858701.99	8.27E-07	1.49E-08	-8.12E-07	3.48E-08	6.26E-10	-3.42E-08	5.21E-08	9.38E-10	-5.11E-08
1580	494611.06, 3858701.99	8.21E-07	1.48E-08	-8.06E-07	3.45E-08	6.22E-10	-3.39E-08	5.17E-08	9.31E-10	-5.08E-08
1581	494661.06, 3858701.99	8.22E-07	1.48E-08	-8.08E-07	3.46E-08	6.23E-10	-3.40E-08	5.18E-08	9.33E-10	-5.09E-08
1582	494711.06, 3858701.99	8.10E-07	1.46E-08	-7.95E-07	3.41E-08	6.13E-10	-3.34E-08	5.10E-08	9.18E-10	-5.01E-08
1583	494761.06, 3858701.99	8.17E-07	1.47E-08	-8.02E-07	3.44E-08	6.19E-10	-3.37E-08	5.14E-08	9.26E-10	-5.05E-08
1584	494811.06, 3858701.99	8.14E-07	1.47E-08	-7.99E-07	3.42E-08	6.16E-10	-3.36E-08	5.13E-08	9.23E-10	-5.03E-08
1585	494861.06, 3858701.99	8.12E-07	1.46E-08	-7.98E-07	3.42E-08	6.15E-10	-3.36E-08	5.12E-08	9.21E-10	-5.03E-08
1586	494911.06, 3858701.99	8.11E-07	1.46E-08	-7.96E-07	3.41E-08	6.14E-10	-3.35E-08	5.11E-08	9.20E-10	-5.02E-08
1587	494961.06, 3858701.99	8.04E-07	1.45E-08	-7.89E-07	3.38E-08	6.09E-10	-3.32E-08	5.06E-08	9.12E-10	-4.97E-08
1588	495011.06, 3858701.99	7.99E-07	1.44E-08	-7.85E-07	3.36E-08	6.06E-10	-3.30E-08	5.04E-08	9.07E-10	-4.95E-08
1589	495061.06, 3858701.99	7.97E-07	1.43E-08	-7.82E-07	3.35E-08	6.03E-10	-3.29E-08	5.02E-08	9.03E-10	-4.93E-08
1590	495111.06, 3858701.99	7.91E-07	1.42E-08	-7.77E-07	3.33E-08	5.99E-10	-3.27E-08	4.98E-08	8.97E-10	-4.89E-08
1591	495161.06, 3858701.99	7.87E-07	1.42E-08	-7.72E-07	3.31E-08	5.96E-10	-3.25E-08	4.96E-08	8.92E-10	-4.87E-08
1592	495211.06, 3858701.99	7.84E-07	1.41E-08	-7.70E-07	3.30E-08	5.94E-10	-3.24E-08	4.94E-08	8.89E-10	-4.85E-08
1593	495261.06, 3858701.99	7.84E-07	1.41E-08	-7.70E-07	3.30E-08	5.94E-10	-3.24E-08	4.94E-08	8.89E-10	-4.85E-08
1594	495311.06, 3858701.99	7.85E-07	1.41E-08	-7.71E-07	3.30E-08	5.95E-10	-3.24E-08	4.95E-08	8.90E-10	-4.86E-08
1595	495361.06, 3858701.99	7.87E-07	1.42E-08	-7.72E-07	3.31E-08	5.96E-10	-3.25E-08	4.96E-08	8.92E-10	-4.87E-08
1596	495411.06, 3858701.99	7.89E-07	1.42E-08	-7.75E-07	3.32E-08	5.98E-10	-3.26E-08	4.97E-08	8.95E-10	-4.88E-08
1597	495461.06, 3858701.99	7.91E-07	1.42E-08	-7.77E-07	3.33E-08	5.99E-10	-3.27E-08	4.98E-08	8.97E-10	-4.89E-08
1598	495511.06, 3858701.99	7.89E-07	1.42E-08	-7.75E-07	3.32E-08	5.98E-10	-3.26E-08	4.97E-08	8.95E-10	-4.88E-08
1599	495561.06, 3858701.99	7.89E-07	1.42E-08	-7.75E-07	3.32E-08	5.98E-10	-3.26E-08	4.97E-08	8.95E-10	-4.88E-08
1600	495611.06, 3858701.99	7.91E-07	1.42E-08	-7.77E-07	3.33E-08	5.99E-10	-3.27E-08	4.98E-08	8.97E-10	-4.89E-08
1601	495661.06, 3858701.99	7.92E-07	1.43E-08	-7.78E-07	3.33E-08	6.00E-10	-3.27E-08	4.99E-08	8.99E-10	-4.90E-08

1602	494311.06, 3858751.99	8.05E-07	1.45E-08	-7.91E-07	3.39E-08	6.10E-10	-3.33E-08	5.07E-08	9.13E-10	-4.98E-08
1603	494361.06, 3858751.99	8.31E-07	1.50E-08	-8.16E-07	3.50E-08	6.29E-10	-3.43E-08	5.23E-08	9.42E-10	-5.14E-08
1604	494411.06, 3858751.99	8.47E-07	1.52E-08	-8.32E-07	3.56E-08	6.41E-10	-3.50E-08	5.33E-08	9.60E-10	-5.24E-08
1605	494461.06, 3858751.99	8.51E-07	1.53E-08	-8.36E-07	3.58E-08	6.45E-10	-3.52E-08	5.36E-08	9.65E-10	-5.26E-08
1606	494511.06, 3858751.99	8.67E-07	1.56E-08	-8.51E-07	3.65E-08	6.57E-10	-3.58E-08	5.46E-08	9.83E-10	-5.36E-08
1607	494561.06, 3858751.99	8.58E-07	1.55E-08	-8.43E-07	3.61E-08	6.50E-10	-3.55E-08	5.41E-08	9.73E-10	-5.31E-08
1608	494611.06, 3858751.99	8.57E-07	1.54E-08	-8.41E-07	3.60E-08	6.49E-10	-3.54E-08	5.40E-08	9.72E-10	-5.30E-08
1609	494661.06, 3858751.99	8.50E-07	1.53E-08	-8.34E-07	3.57E-08	6.44E-10	-3.51E-08	5.35E-08	9.64E-10	-5.26E-08
1610	494711.06, 3858751.99	8.44E-07	1.52E-08	-8.29E-07	3.55E-08	6.39E-10	-3.49E-08	5.32E-08	9.57E-10	-5.22E-08
1611	494761.06, 3858751.99	8.55E-07	1.54E-08	-8.40E-07	3.60E-08	6.48E-10	-3.53E-08	5.39E-08	9.70E-10	-5.29E-08
1612	494811.06, 3858751.99	8.51E-07	1.53E-08	-8.36E-07	3.58E-08	6.45E-10	-3.52E-08	5.36E-08	9.65E-10	-5.26E-08
1613	494861.06, 3858751.99	8.48E-07	1.53E-08	-8.33E-07	3.57E-08	6.42E-10	-3.50E-08	5.34E-08	9.62E-10	-5.25E-08
1614	494911.06, 3858751.99	8.44E-07	1.52E-08	-8.29E-07	3.55E-08	6.39E-10	-3.49E-08	5.32E-08	9.57E-10	-5.22E-08
1615	494961.06, 3858751.99	8.41E-07	1.51E-08	-8.26E-07	3.54E-08	6.37E-10	-3.47E-08	5.30E-08	9.54E-10	-5.20E-08
1616	495011.06, 3858751.99	8.40E-07	1.51E-08	-8.24E-07	3.53E-08	6.36E-10	-3.47E-08	5.29E-08	9.52E-10	-5.19E-08
1617	495061.06, 3858751.99	8.34E-07	1.50E-08	-8.19E-07	3.51E-08	6.32E-10	-3.44E-08	5.25E-08	9.46E-10	-5.16E-08
1618	495111.06, 3858751.99	8.28E-07	1.49E-08	-8.13E-07	3.48E-08	6.27E-10	-3.42E-08	5.22E-08	9.39E-10	-5.12E-08
1619	495161.06, 3858751.99	8.24E-07	1.48E-08	-8.09E-07	3.47E-08	6.24E-10	-3.40E-08	5.19E-08	9.34E-10	-5.10E-08
1620	495211.06, 3858751.99	8.21E-07	1.48E-08	-8.06E-07	3.45E-08	6.22E-10	-3.39E-08	5.17E-08	9.31E-10	-5.08E-08
1621	495261.06, 3858751.99	8.21E-07	1.48E-08	-8.06E-07	3.45E-08	6.22E-10	-3.39E-08	5.17E-08	9.31E-10	-5.08E-08
1622	495311.06, 3858751.99	8.24E-07	1.48E-08	-8.09E-07	3.47E-08	6.24E-10	-3.40E-08	5.19E-08	9.34E-10	-5.10E-08
1623	495361.06, 3858751.99	8.25E-07	1.49E-08	-8.10E-07	3.47E-08	6.25E-10	-3.41E-08	5.20E-08	9.36E-10	-5.11E-08
1624	495411.06, 3858751.99	8.28E-07	1.49E-08	-8.13E-07	3.48E-08	6.27E-10	-3.42E-08	5.22E-08	9.39E-10	-5.12E-08
1625	495461.06, 3858751.99	8.30E-07	1.49E-08	-8.15E-07	3.49E-08	6.28E-10	-3.43E-08	5.23E-08	9.41E-10	-5.13E-08
1626	495511.06, 3858751.99	8.31E-07	1.50E-08	-8.16E-07	3.50E-08	6.29E-10	-3.43E-08	5.23E-08	9.42E-10	-5.14E-08
1627	495561.06, 3858751.99	8.32E-07	1.50E-08	-8.17E-07	3.50E-08	6.30E-10	-3.44E-08	5.24E-08	9.44E-10	-5.15E-08
1628	495611.06, 3858751.99	8.34E-07	1.50E-08	-8.19E-07	3.51E-08	6.32E-10	-3.44E-08	5.25E-08	9.46E-10	-5.16E-08
1629	495661.06, 3858751.99	8.35E-07	1.50E-08	-8.20E-07	3.51E-08	6.33E-10	-3.45E-08	5.26E-08	9.47E-10	-5.17E-08
1630	494311.06, 3858801.99	8.40E-07	1.51E-08	-8.24E-07	3.53E-08	6.36E-10	-3.47E-08	5.29E-08	9.52E-10	-5.19E-08
1631	494361.06, 3858801.99	8.68E-07	1.56E-08	-8.53E-07	3.65E-08	6.58E-10	-3.59E-08	5.47E-08	9.85E-10	-5.37E-08
1632	494411.06, 3858801.99	8.81E-07	1.59E-08	-8.65E-07	3.71E-08	6.67E-10	-3.64E-08	5.55E-08	9.99E-10	-5.45E-08
1633	494461.06, 3858801.99	8.90E-07	1.60E-08	-8.74E-07	3.74E-08	6.74E-10	-3.68E-08	5.60E-08	1.01E-09	-5.50E-08
1634	494511.06, 3858801.99	9.08E-07	1.64E-08	-8.92E-07	3.82E-08	6.88E-10	-3.75E-08	5.72E-08	1.03E-09	-5.62E-08
1635	494561.06, 3858801.99	9.10E-07	1.64E-08	-8.93E-07	3.83E-08	6.89E-10	-3.76E-08	5.73E-08	1.03E-09	-5.63E-08
1636	494611.06, 3858801.99	9.08E-07	1.64E-08	-8.92E-07	3.82E-08	6.88E-10	-3.75E-08	5.72E-08	1.03E-09	-5.62E-08
1637	494661.06, 3858801.99	9.04E-07	1.63E-08	-8.88E-07	3.80E-08	6.85E-10	-3.73E-08	5.70E-08	1.03E-09	-5.59E-08
1638	494711.06, 3858801.99	9.00E-07	1.62E-08	-8.84E-07	3.79E-08	6.81E-10	-3.72E-08	5.67E-08	1.02E-09	-5.57E-08
1639	494761.06, 3858801.99	8.94E-07	1.61E-08	-8.78E-07	3.76E-08	6.77E-10	-3.69E-08	5.63E-08	1.01E-09	-5.53E-08
1640	494811.06, 3858801.99	8.88E-07	1.60E-08	-8.72E-07	3.74E-08	6.73E-10	-3.67E-08	5.60E-08	1.01E-09	-5.50E-08
1641	494861.06, 3858801.99	8.88E-07	1.60E-08	-8.72E-07	3.74E-08	6.73E-10	-3.67E-08	5.60E-08	1.01E-09	-5.50E-08
1642	494911.06, 3858801.99	8.84E-07	1.59E-08	-8.68E-07	3.72E-08	6.70E-10	-3.65E-08	5.57E-08	1.00E-09	-5.47E-08
1643	494961.06, 3858801.99	8.81E-07	1.59E-08	-8.65E-07	3.71E-08	6.67E-10	-3.64E-08	5.55E-08	9.99E-10	-5.45E-08
1644	495011.06, 3858801.99	8.77E-07	1.58E-08	-8.61E-07	3.69E-08	6.64E-10	-3.62E-08	5.52E-08	9.94E-10	-5.42E-08
1645	495061.06, 3858801.99	8.74E-07	1.57E-08	-8.58E-07	3.68E-08	6.62E-10	-3.61E-08	5.51E-08	9.91E-10	-5.41E-08
1646	495111.06, 3858801.99	8.67E-07	1.56E-08	-8.51E-07	3.65E-08	6.57E-10	-3.58E-08	5.46E-08	9.83E-10	-5.36E-08
1647	495161.06, 3858801.99	8.63E-07	1.55E-08	-8.47E-07	3.63E-08	6.53E-10	-3.56E-08	5.43E-08	9.78E-10	-5.34E-08
1648	495211.06, 3858801.99	8.61E-07	1.55E-08	-8.46E-07	3.62E-08	6.52E-10	-3.56E-08	5.42E-08	9.77E-10	-5.33E-08
1649	495261.06, 3858801.99	8.63E-07	1.55E-08	-8.47E-07	3.63E-08	6.53E-10	-3.56E-08	5.43E-08	9.78E-10	-5.34E-08
1650	495311.06, 3858801.99	8.65E-07	1.56E-08	-8.50E-07	3.64E-08	6.55E-10	-3.58E-08	5.45E-08	9.81E-10	-5.35E-08
1651	495361.06, 3858801.99	8.67E-07	1.56E-08	-8.51E-07	3.65E-08	6.57E-10	-3.58E-08	5.46E-08	9.83E-10	-5.36E-08
1652	495411.06, 3858801.99	8.71E-07	1.57E-08	-8.55E-07	3.66E-08	6.60E-10	-3.60E-08	5.49E-08	9.88E-10	-5.39E-08
1653	495461.06, 3858801.99	8.73E-07	1.57E-08	-8.57E-07	3.67E-08	6.61E-10	-3.60E-08	5.50E-08	9.90E-10	-5.40E-08
1654	495511.06, 3858801.99	8.73E-07	1.57E-08	-8.57E-07	3.67E-08	6.61E-10	-3.60E-08	5.50E-08	9.90E-10	-5.40E-08
1655	495561.06, 3858801.99	8.74E-07	1.57E-08	-8.58E-07	3.68E-08	6.62E-10	-3.61E-08	5.51E-08	9.91E-10	-5.41E-08
1656	495611.06, 3858801.99	8.74E-07	1.57E-08	-8.58E-07	3.68E-08	6.62E-10	-3.61E-08	5.51E-08	9.91E-10	-5.41E-08
1657	495661.06, 3858801.99	8.78E-07	1.58E-08	-8.62E-07	3.69E-08	6.65E-10	-3.63E-08	5.53E-08	9.96E-10	-5.43E-08
1658	494311.06, 3858851.99	8.95E-07	1.61E-08	-8.79E-07	3.77E-08	6.78E-10	-3.70E-08	5.64E-08	1.02E-09	-5.54E-08
1659	494361.06, 3858851.99	9.17E-07	1.65E-08	-9.00E-07	3.86E-08	6.95E-10	-3.79E-08	5.78E-08	1.04E-09	-5.67E-08
1660	494411.06, 3858851.99	9.24E-07	1.66E-08	-9.07E-07	3.89E-08	7.00E-10	-3.82E-08	5.82E-08	1.05E-09	-5.72E-08
1661	494461.06, 3858851.99	9.33E-07	1.68E-08	-9.16E-07	3.92E-08	7.06E-10	-3.85E-08	5.88E-08	1.06E-09	-5.77E-08
1662	494511.06, 3858851.99	9.51E-07	1.71E-08	-9.34E-07	4.00E-08	7.21E-10	-3.93E-08	5.99E-08	1.08E-09	-5.89E-08
1663	494561.06, 3858851.99	9.53E-07	1.72E-08	-9.36E-07	4.01E-08	7.22E-10	-3.94E-08	6.00E-08	1.08E-09	-5.89E-08
1664	494611.06, 3858851.99	9.50E-07	1.71E-08	-9.33E-07	4.00E-08	7.19E-10	-3.92E-08	5.98E-08	1.08E-09	-5.88E-08
1665	494661.06, 3858851.99	9.47E-07	1.71E-08	-9.30E-07	3.98E-08	7.17E-10	-3.91E-08	5.97E-08	1.07E-09	-5.86E-08
1666	494711.06, 3858851.99	9.40E-07	1.69E-08	-9.23E-07	3.95E-08	7.12E-10	-3.88E-08	5.92E-08	1.07E-09	-5.81E-08
1667	494761.06, 3858851.99	9.34E-07	1.68E-08	-9.17E-07	3.93E-08	7.08E-10	-3.86E-08	5.88E-08	1.06E-09	-5.78E-08
1668	494811.06, 3858851.99	9.31E-07	1.68E-08	-9.15E-07	3.92E-08	7.05E-10	-3.85E-08	5.87E-08	1.06E-09	-5.76E-08
1669	494861.06, 3858851.99	9.31E-07	1.68E-08	-9.15E-07	3.92E-08	7.05E-10	-3.85E-08	5.87E-08	1.06E-09	-5.76E-08
1670	494911.06, 3858851.99	9.27E-07	1.67E-08	-9.10E-07	3.90E-08	7.02E-10	-3.83E-08	5.84E-08	1.05E-09	-5.73E-08
1671	494961.06, 3858851.99	9.24E-07	1.66E-08	-9.07E-07	3.89E-08	7.00E-10	-3.82E-08	5.82E-08	1.05E-09	-5.72E-08
1672	495011.06, 3858851.99	9.21E-07	1.66E-08	-9.05E-07	3.88E-08	6.98E-10	-3.81E-08	5.80E-08	1.04E-09	-5.70E-08
1673	495061.06, 3858851.99	9.17E-07	1.65E-08	-9.00E-07	3.86E-08	6.95E-10	-3.79E-08	5.78E-08	1.04E-09	-5.67E-08
1674	495111.06, 3858851.99	9.07E-07	1.63E-08	-8.91E-07	3.82E-08	6.87E-10	-3.75E-08	5.71E-08	1.03E-09	-5.61E-08
1675	495161.06, 3858851.99	9.03E-07	1.63E-08	-8.86E-07	3.80E-08	6.84E-10	-3.73E-08	5.69E-08	1.02E-09	-5.58E-08
1676	495211.06, 3858851.99	9.06E-07	1.63E-08	-8.89E-07	3.81E-08	6.86E-10	-3.74E-08	5.70E-08	1.03E-09	-5.60E-08
1677	495261.06, 3858851.99	9.07E-07	1.63E-08	-8.91E-07	3.82E-08	6.87E-10	-3.75E-08	5.71E-08	1.03E-09	-5.61E-08
1678	495311.06, 3858851.99	9.10E-07	1.64E-08	-8.93E-07	3.83E-08	6.89E-10	-3.76E-08	5.73E-08	1.03E-09	-5.63E-08
1679	495361.06, 3858851.99	9.11E-07	1.64E-08	-8.95E-07	3.83E-08	6.90E-10	-3.76E-08	5.74E-08	1.03E-09	-5.64E-08
1680	495411.06, 3858851.99	9.14E-07	1.65E-08	-8.98E-07	3.85E-08	6.92E-10	-3.78E-08	5.76E-08	1.04E-09	-5.65E-08
1681	495461.06, 3858851.99	9.17E-07	1.65E-08	-9.00E-07	3.86E-08	6.95E-10	-3.79E-08	5.78E-08	1.04E-09	-5.67E-08
1682	495511.06, 3858851.99	9.14E-07	1.65E-08	-8.98E-07	3.85E-08	6.92E-10	-3.78E-08	5.76E-08	1.04E-09	-5.65E-08
1683	495561.06, 3858851.99	9.17E-07	1.65E-08	-9.00E-07	3.86E-08	6.95E-10	-3.79E-08	5.78E-08	1.04E-09	-5.67E-08
1684	495611.06, 3858851.99	9.17E-07	1.65E-08	-9.00E-07	3.86E-08	6.95E-10	-3.79E-08	5.78E-08	1.04E-09	-5.67E-08
1685	495661.06, 3858851.99	9.21E-07	1.66E-08	-9.05E-07	3.88E-08	6.98E-10	-3.81E-08	5.80E-08	1.04E-09	-5.70E-08
1686	494311.06, 3858901.99	9.40E-07	1.69E-08	-9.23E-07	3.95E-08	7.12E-10	-3.88E-08	5.92E-08	1.07E-09	-5.81E-08
1687	494361.06, 3858901.99	9.61E-07	1.73E-08	-9.44E-07	4.04E-08	7.28E-10	-3.97E-08	6.06E-08	1.09E-09	-5.95E-08
1688	494411.06, 3858901.99	9.71E-07	1.75E-08	-9.54E-07	4.09E-08	7.36E-10	-4.01E-08	6.12E-08	1.10E-09	-6.01E-08
1689	494461.06, 3858901.99	9.94E-07	1.79E-08	-9.76E-07	4.18E-08	7.53E-10	-4.11E-08	6.26E-08	1.13E-09	-6.15E-08
1690	494511.06, 3858901.99	1.00E-06	1.80E-08	-9.83E-07	4.21E-08	7.59E-10	-4.14E-08	6.31E-08	1.14E-09	-6.20E-08
1691	494561.06, 3858901.99	1.00E-06	1.80E-08	-9.82E-07	4.21E-08	7.57E-10	-4.13E-08	6.30E-08	1.13E-09	-6.19E-08
1692	494611.06, 3858901.99	9.93E-07	1.79E-08	-9.75E-07	4.18E-08	7.52E-10	-4.10E-08	6.25E-08	1.13E-09	-6.14E-08
1693	494661.06, 3858901.99	9.91E-07	1.78E-08	-9.74E-07	4.17E-08	7.51E-10	-4.10E-08	6.25E-08	1.12E-09	-6.13E-08
1694	494711.06, 3858901.99	9.86E-07	1.77E-08	-9.68E-07	4.15E-08	7.47E-10	-4.07E-08	6.21E-08	1.12E-09	-6.10E-08
1695	494761.06, 3858901.99	9.79E-07	1.76E-08	-9.61E-07	4.12E-08	7.41E-10	-4.04E-08	6.16E-08	1.11E-09	-6.05E-08
1696	494811.06, 3858901.99	9.77E-07	1.76E-08	-9.60E-07	4.11E-08	7.40E-10	-4.04E-08	6.16E-08	1.11E-09	-6.04E-08
1697	494861.06, 3858901.99	9.77E-07	1.76E-08	-9.60E-07	4.11E-08	7.40E-10	-4.04E-08	6.16E-08	1.11E-09	-6.04E-08
1698	494911.06, 3858901.99	9.70E-07	1.75E-08	-9.53E-07	4.08E-08	7.35E-10	-4.01E-08	6.11E-08	1.10E-09	-6.00E-08
1699	494961.06, 3858901.99	9.69E-07	1.74E-08	-9.51E-07	4.07E-08	7.34E-10	-4.00E-08	6.10E-08	1.10E-09	-5.99E-08
1700	495011.06, 3858901.99	9.66E-07	1.74E-08	-9.48E-07	4.06E-08	7.31E-10	-3.99E-08	6.08E-08	1.10E-09	-5.97E-08
1701	495061.06, 3858901.99	9.59E-07	1.73E-08	-9.41E-07	4.03E-08	7.26E-10	-3.96E-08	6.04E-08	1.09E-09	-5.93E-08
1702	495111.06, 3858901.99	9.48E-07	1.71E-08	-9.31E-07	3.99E-08	7.18E-10	-3.92E-08	5.98E-08	1.08E-09	-5.87E-08
1703	495161.06, 3858901.99	9.47E-07	1.71E-08	-9.30E-07	3.98E-08	7.17E-10	-3.91E-08	5.97E-08	1.07E-09	-5.86E-08
1704	495211.06, 3858901.99	9.51E-07	1.71E-08	-9.34E-07	4.00E-08	7.21E-10	-3.93E-08	5.99E-08	1.08E-09	-5.89E-08
1705	495261.06, 3858901.99	9.54E-07	1.72E-08	-9.37E-07	4.01E-08	7.23E-10	-3.94E-08	6.01E-08	1.08E-09	-5.90E-08
1706	495311.06, 3858901.99	9.57E-07	1.72E-08	-9.40E-07	4.03E-08	7.25E-10	-3.95E-08	6.03E-08	1.09E-09	-5.92E-08
1707	495361.06, 3858901.99	9.59E-07	1.73E-08	-9.41E-07	4.03E-08	7.26E-10	-3.96E-08	6.04E-08	1.09E-09	-5.93E-08
1708	495411.06, 3858901.99	9.63E-07	1.73E-08	-9.45E-07	4.05E-08	7.29E-10	-3.98E-08	6.07E-08	1.09E-09	-5.96E-08

1709	495461.06, 3858901.99	9.64E-07	1.74E-08	-9.47E-07	4.06E-08	7.30E-10	-3.98E-08	6.07E-08	1.09E-09	-5.96E-08
1710	495511.06, 3858901.99	9.63E-07	1.73E-08	-9.45E-07	4.05E-08	7.29E-10	-3.98E-08	6.07E-08	1.09E-09	-5.96E-08
1711	495561.06, 3858901.99	9.64E-07	1.74E-08	-9.47E-07	4.06E-08	7.30E-10	-3.98E-08	6.07E-08	1.09E-09	-5.96E-08
1712	495611.06, 3858901.99	9.64E-07	1.74E-08	-9.47E-07	4.06E-08	7.30E-10	-3.98E-08	6.07E-08	1.09E-09	-5.96E-08
1713	495661.06, 3858901.99	9.70E-07	1.75E-08	-9.53E-07	4.08E-08	7.35E-10	-4.01E-08	6.11E-08	1.10E-09	-6.00E-08
1714	494311.06, 3858951.99	9.96E-07	1.79E-08	-9.78E-07	4.19E-08	7.54E-10	-4.11E-08	6.27E-08	1.13E-09	-6.16E-08
1715	494361.06, 3858951.99	1.01E-06	1.82E-08	-9.93E-07	4.26E-08	7.66E-10	-4.18E-08	6.37E-08	1.15E-09	-6.26E-08
1716	494411.06, 3858951.99	1.02E-06	1.83E-08	-9.99E-07	4.28E-08	7.70E-10	-4.20E-08	6.41E-08	1.15E-09	-6.29E-08
1717	494461.06, 3858951.99	1.04E-06	1.88E-08	-1.03E-06	4.39E-08	7.91E-10	-4.32E-08	6.58E-08	1.18E-09	-6.46E-08
1718	494511.06, 3858951.99	1.05E-06	1.89E-08	-1.03E-06	4.42E-08	7.95E-10	-4.34E-08	6.62E-08	1.19E-09	-6.50E-08
1719	494561.06, 3858951.99	1.05E-06	1.89E-08	-1.03E-06	4.41E-08	7.94E-10	-4.33E-08	6.61E-08	1.19E-09	-6.49E-08
1720	494611.06, 3858951.99	1.04E-06	1.88E-08	-1.03E-06	4.39E-08	7.91E-10	-4.32E-08	6.58E-08	1.18E-09	-6.46E-08
1721	494661.06, 3858951.99	1.04E-06	1.87E-08	-1.02E-06	4.37E-08	7.87E-10	-4.29E-08	6.54E-08	1.18E-09	-6.43E-08
1722	494711.06, 3858951.99	1.03E-06	1.85E-08	-1.01E-06	4.33E-08	7.80E-10	-4.26E-08	6.49E-08	1.17E-09	-6.37E-08
1723	494761.06, 3858951.99	1.03E-06	1.85E-08	-1.01E-06	4.32E-08	7.78E-10	-4.24E-08	6.47E-08	1.17E-09	-6.35E-08
1724	494811.06, 3858951.99	1.03E-06	1.85E-08	-1.01E-06	4.32E-08	7.78E-10	-4.24E-08	6.47E-08	1.17E-09	-6.35E-08
1725	494861.06, 3858951.99	1.03E-06	1.85E-08	-1.01E-06	4.32E-08	7.77E-10	-4.24E-08	6.46E-08	1.16E-09	-6.35E-08
1726	494911.06, 3858951.99	1.02E-06	1.84E-08	-1.00E-06	4.30E-08	7.75E-10	-4.23E-08	6.44E-08	1.16E-09	-6.33E-08
1727	494961.06, 3858951.99	1.02E-06	1.84E-08	-1.00E-06	4.30E-08	7.75E-10	-4.23E-08	6.44E-08	1.16E-09	-6.33E-08
1728	495011.06, 3858951.99	1.01E-06	1.82E-08	-9.93E-07	4.26E-08	7.66E-10	-4.18E-08	6.37E-08	1.15E-09	-6.26E-08
1729	495061.06, 3858951.99	1.00E-06	1.80E-08	-9.82E-07	4.21E-08	7.57E-10	-4.13E-08	6.30E-08	1.13E-09	-6.19E-08
1730	495111.06, 3858951.99	9.93E-07	1.79E-08	-9.75E-07	4.18E-08	7.52E-10	-4.10E-08	6.25E-08	1.13E-09	-6.14E-08
1731	495161.06, 3858951.99	1.00E-06	1.80E-08	-9.82E-07	4.21E-08	7.57E-10	-4.13E-08	6.30E-08	1.13E-09	-6.19E-08
1732	495211.06, 3858951.99	1.00E-06	1.81E-08	-9.85E-07	4.22E-08	7.60E-10	-4.14E-08	6.32E-08	1.14E-09	-6.20E-08
1733	495261.06, 3858951.99	1.01E-06	1.81E-08	-9.88E-07	4.23E-08	7.62E-10	-4.16E-08	6.34E-08	1.14E-09	-6.22E-08
1734	495311.06, 3858951.99	1.01E-06	1.81E-08	-9.88E-07	4.23E-08	7.62E-10	-4.16E-08	6.34E-08	1.14E-09	-6.22E-08
1735	495361.06, 3858951.99	1.01E-06	1.82E-08	-9.91E-07	4.24E-08	7.64E-10	-4.17E-08	6.35E-08	1.14E-09	-6.24E-08
1736	495411.06, 3858951.99	1.01E-06	1.82E-08	-9.95E-07	4.26E-08	7.67E-10	-4.18E-08	6.38E-08	1.15E-09	-6.27E-08
1737	495461.06, 3858951.99	1.01E-06	1.83E-08	-9.96E-07	4.27E-08	7.68E-10	-4.19E-08	6.39E-08	1.15E-09	-6.28E-08
1738	495511.06, 3858951.99	1.02E-06	1.83E-08	-1.00E-06	4.29E-08	7.72E-10	-4.21E-08	6.42E-08	1.16E-09	-6.30E-08
1739	495561.06, 3858951.99	1.02E-06	1.83E-08	-9.98E-07	4.27E-08	7.69E-10	-4.20E-08	6.40E-08	1.15E-09	-6.28E-08
1740	495611.06, 3858951.99	1.02E-06	1.83E-08	-9.98E-07	4.27E-08	7.69E-10	-4.20E-08	6.40E-08	1.15E-09	-6.28E-08
1741	495661.06, 3858951.99	1.02E-06	1.84E-08	-1.00E-06	4.30E-08	7.74E-10	-4.22E-08	6.44E-08	1.16E-09	-6.32E-08
1742	494311.06, 3859001.99	1.05E-06	1.89E-08	-1.03E-06	4.42E-08	7.95E-10	-4.34E-08	6.62E-08	1.19E-09	-6.50E-08
1743	494361.06, 3859001.99	1.06E-06	1.91E-08	-1.04E-06	4.47E-08	8.04E-10	-4.39E-08	6.69E-08	1.20E-09	-6.57E-08
1744	494411.06, 3859001.99	1.09E-06	1.96E-08	-1.07E-06	4.59E-08	8.26E-10	-4.50E-08	6.87E-08	1.24E-09	-6.74E-08
1745	494461.06, 3859001.99	1.10E-06	1.98E-08	-1.08E-06	4.62E-08	8.32E-10	-4.54E-08	6.92E-08	1.25E-09	-6.80E-08
1746	494511.06, 3859001.99	1.10E-06	1.99E-08	-1.08E-06	4.65E-08	8.37E-10	-4.56E-08	6.96E-08	1.25E-09	-6.83E-08
1747	494561.06, 3859001.99	1.10E-06	1.98E-08	-1.08E-06	4.63E-08	8.33E-10	-4.55E-08	6.93E-08	1.25E-09	-6.81E-08
1748	494611.06, 3859001.99	1.10E-06	1.97E-08	-1.08E-06	4.61E-08	8.30E-10	-4.53E-08	6.90E-08	1.24E-09	-6.78E-08
1749	494661.06, 3859001.99	1.09E-06	1.96E-08	-1.07E-06	4.58E-08	8.25E-10	-4.50E-08	6.86E-08	1.23E-09	-6.74E-08
1750	494711.06, 3859001.99	1.08E-06	1.94E-08	-1.06E-06	4.54E-08	8.18E-10	-4.46E-08	6.81E-08	1.23E-09	-6.68E-08
1751	494761.06, 3859001.99	1.08E-06	1.94E-08	-1.06E-06	4.54E-08	8.17E-10	-4.46E-08	6.80E-08	1.22E-09	-6.67E-08
1752	494811.06, 3859001.99	1.08E-06	1.95E-08	-1.06E-06	4.55E-08	8.19E-10	-4.47E-08	6.81E-08	1.23E-09	-6.69E-08
1753	494861.06, 3859001.99	1.08E-06	1.94E-08	-1.06E-06	4.54E-08	8.17E-10	-4.46E-08	6.80E-08	1.22E-09	-6.67E-08
1754	494911.06, 3859001.99	1.08E-06	1.94E-08	-1.06E-06	4.53E-08	8.15E-10	-4.45E-08	6.78E-08	1.22E-09	-6.66E-08
1755	494961.06, 3859001.99	1.07E-06	1.93E-08	-1.05E-06	4.51E-08	8.13E-10	-4.43E-08	6.76E-08	1.22E-09	-6.64E-08
1756	495011.06, 3859001.99	1.05E-06	1.89E-08	-1.03E-06	4.42E-08	7.97E-10	-4.34E-08	6.62E-08	1.19E-09	-6.51E-08
1757	495061.06, 3859001.99	1.05E-06	1.89E-08	-1.03E-06	4.42E-08	7.95E-10	-4.34E-08	6.62E-08	1.19E-09	-6.50E-08
1758	495111.06, 3859001.99	1.04E-06	1.88E-08	-1.02E-06	4.39E-08	7.90E-10	-4.31E-08	6.57E-08	1.18E-09	-6.45E-08
1759	495161.06, 3859001.99	1.05E-06	1.90E-08	-1.04E-06	4.44E-08	7.99E-10	-4.36E-08	6.64E-08	1.20E-09	-6.52E-08
1760	495211.06, 3859001.99	1.06E-06	1.90E-08	-1.04E-06	4.44E-08	8.00E-10	-4.36E-08	6.65E-08	1.20E-09	-6.53E-08
1761	495261.06, 3859001.99	1.06E-06	1.91E-08	-1.04E-06	4.46E-08	8.03E-10	-4.38E-08	6.68E-08	1.20E-09	-6.56E-08
1762	495311.06, 3859001.99	1.06E-06	1.91E-08	-1.04E-06	4.47E-08	8.04E-10	-4.39E-08	6.69E-08	1.20E-09	-6.57E-08
1763	495361.06, 3859001.99	1.07E-06	1.92E-08	-1.05E-06	4.48E-08	8.07E-10	-4.40E-08	6.72E-08	1.21E-09	-6.59E-08
1764	495411.06, 3859001.99	1.07E-06	1.92E-08	-1.05E-06	4.49E-08	8.08E-10	-4.41E-08	6.72E-08	1.21E-09	-6.60E-08
1765	495461.06, 3859001.99	1.07E-06	1.93E-08	-1.05E-06	4.50E-08	8.11E-10	-4.42E-08	6.74E-08	1.21E-09	-6.62E-08
1766	495511.06, 3859001.99	1.07E-06	1.92E-08	-1.05E-06	4.50E-08	8.10E-10	-4.42E-08	6.73E-08	1.21E-09	-6.61E-08
1767	495561.06, 3859001.99	1.07E-06	1.93E-08	-1.05E-06	4.50E-08	8.11E-10	-4.42E-08	6.74E-08	1.21E-09	-6.62E-08
1768	495611.06, 3859001.99	1.07E-06	1.93E-08	-1.05E-06	4.51E-08	8.12E-10	-4.43E-08	6.75E-08	1.22E-09	-6.63E-08
1769	495661.06, 3859001.99	1.08E-06	1.94E-08	-1.06E-06	4.54E-08	8.18E-10	-4.46E-08	6.81E-08	1.23E-09	-6.68E-08
1770	494311.06, 3859051.99	1.11E-06	1.99E-08	-1.09E-06	4.66E-08	8.39E-10	-4.58E-08	6.98E-08	1.26E-09	-6.85E-08
1771	494361.06, 3859051.99	1.14E-06	2.05E-08	-1.12E-06	4.80E-08	8.64E-10	-4.71E-08	7.18E-08	1.29E-09	-7.06E-08
1772	494411.06, 3859051.99	1.15E-06	2.07E-08	-1.13E-06	4.83E-08	8.70E-10	-4.75E-08	7.24E-08	1.30E-09	-7.11E-08
1773	494461.06, 3859051.99	1.15E-06	2.08E-08	-1.13E-06	4.86E-08	8.75E-10	-4.77E-08	7.27E-08	1.31E-09	-7.14E-08
1774	494511.06, 3859051.99	1.15E-06	2.08E-08	-1.13E-06	4.86E-08	8.75E-10	-4.77E-08	7.27E-08	1.31E-09	-7.14E-08
1775	494561.06, 3859051.99	1.15E-06	2.08E-08	-1.13E-06	4.86E-08	8.75E-10	-4.77E-08	7.27E-08	1.31E-09	-7.14E-08
1776	494611.06, 3859051.99	1.15E-06	2.07E-08	-1.13E-06	4.84E-08	8.71E-10	-4.75E-08	7.25E-08	1.30E-09	-7.12E-08
1777	494661.06, 3859051.99	1.14E-06	2.06E-08	-1.12E-06	4.82E-08	8.67E-10	-4.73E-08	7.21E-08	1.30E-09	-7.08E-08
1778	494711.06, 3859051.99	1.14E-06	2.05E-08	-1.12E-06	4.80E-08	8.64E-10	-4.71E-08	7.18E-08	1.29E-09	-7.06E-08
1779	494761.06, 3859051.99	1.14E-06	2.05E-08	-1.12E-06	4.78E-08	8.61E-10	-4.69E-08	7.16E-08	1.29E-09	-7.03E-08
1780	494811.06, 3859051.99	1.14E-06	2.05E-08	-1.12E-06	4.78E-08	8.61E-10	-4.69E-08	7.16E-08	1.29E-09	-7.03E-08
1781	494861.06, 3859051.99	1.14E-06	2.05E-08	-1.12E-06	4.78E-08	8.61E-10	-4.69E-08	7.16E-08	1.29E-09	-7.03E-08
1782	494911.06, 3859051.99	1.13E-06	2.04E-08	-1.11E-06	4.76E-08	8.57E-10	-4.68E-08	7.13E-08	1.28E-09	-7.00E-08
1783	494961.06, 3859051.99	1.12E-06	2.01E-08	-1.10E-06	4.71E-08	8.48E-10	-4.62E-08	7.05E-08	1.27E-09	-6.92E-08
1784	495011.06, 3859051.99	1.11E-06	2.00E-08	-1.09E-06	4.68E-08	8.42E-10	-4.59E-08	7.00E-08	1.26E-09	-6.88E-08
1785	495061.06, 3859051.99	1.11E-06	1.99E-08	-1.09E-06	4.65E-08	8.38E-10	-4.57E-08	6.97E-08	1.25E-09	-6.84E-08
1786	495111.06, 3859051.99	1.11E-06	1.99E-08	-1.09E-06	4.65E-08	8.38E-10	-4.57E-08	6.97E-08	1.25E-09	-6.84E-08
1787	495161.06, 3859051.99	1.11E-06	2.01E-08	-1.09E-06	4.69E-08	8.44E-10	-4.61E-08	7.02E-08	1.26E-09	-6.90E-08
1788	495211.06, 3859051.99	1.11E-06	2.00E-08	-1.09E-06	4.68E-08	8.43E-10	-4.60E-08	7.01E-08	1.26E-09	-6.89E-08
1789	495261.06, 3859051.99	1.12E-06	2.02E-08	-1.10E-06	4.71E-08	8.49E-10	-4.63E-08	7.06E-08	1.27E-09	-6.93E-08
1790	495311.06, 3859051.99	1.12E-06	2.02E-08	-1.10E-06	4.72E-08	8.50E-10	-4.63E-08	7.07E-08	1.27E-09	-6.94E-08
1791	495361.06, 3859051.99	1.12E-06	2.02E-08	-1.10E-06	4.73E-08	8.52E-10	-4.65E-08	7.09E-08	1.28E-09	-6.96E-08
1792	495411.06, 3859051.99	1.13E-06	2.03E-08	-1.11E-06	4.75E-08	8.55E-10	-4.66E-08	7.11E-08	1.28E-09	-6.98E-08
1793	495461.06, 3859051.99	1.13E-06	2.04E-08	-1.11E-06	4.76E-08	8.57E-10	-4.68E-08	7.13E-08	1.28E-09	-7.00E-08
1794	495511.06, 3859051.99	1.13E-06	2.04E-08	-1.11E-06	4.76E-08	8.56E-10	-4.67E-08	7.12E-08	1.28E-09	-6.99E-08
1795	495561.06, 3859051.99	1.13E-06	2.04E-08	-1.11E-06	4.76E-08	8.56E-10	-4.67E-08	7.12E-08	1.28E-09	-6.99E-08
1796	495611.06, 3859051.99	1.13E-06	2.04E-08	-1.11E-06	4.76E-08	8.56E-10	-4.67E-08	7.12E-08	1.28E-09	-6.99E-08
1797	495661.06, 3859051.99	1.14E-06	2.05E-08	-1.12E-06	4.79E-08	8.63E-10	-4.71E-08	7.18E-08	1.29E-09	-7.05E-08
1798	494311.06, 3859101.99	1.19E-06	2.15E-08	-1.17E-06	5.01E-08	9.03E-10	-4.92E-08	7.51E-08	1.35E-09	-7.37E-08
1799	494361.06, 3859101.99	1.20E-06	2.16E-08	-1.18E-06	5.06E-08	9.10E-10	-4.97E-08	7.57E-08	1.36E-09	-7.44E-08
1800	494411.06, 3859101.99	1.21E-06	2.18E-08	-1.19E-06	5.11E-08	9.19E-10	-5.01E-08	7.64E-08	1.38E-09	-7.51E-08
1801	494461.06, 3859101.99	1.22E-06	2.19E-08	-1.20E-06	5.12E-08	9.22E-10	-5.03E-08	7.67E-08	1.38E-09	-7.53E-08
1802	494511.06, 3859101.99	1.22E-06	2.19E-08	-1.19E-06	5.12E-08	9.21E-10	-5.03E-08	7.66E-08	1.38E-09	-7.52E-08
1803	494561.06, 3859101.99	1.21E-06	2.19E-08	-1.19E-06	5.11E-08	9.20E-10	-5.02E-08	7.65E-08	1.38E-09	-7.52E-08
1804	494611.06, 3859101.99	1.21E-06	2.17E-08	-1.18E-06	5.08E-08	9.14E-10	-4.98E-08	7.60E-08	1.37E-09	-7.46E-08
1805	494661.06, 3859101.99	1.20E-06	2.17E-08	-1.18E-06	5.07E-08	9.13E-10	-4.98E-08	7.59E-08	1.37E-09	-7.45E-08
1806	494711.06, 3859101.99	1.20E-06	2.15E-08	-1.17E-06	5.03E-08	9.06E-10	-4.94E-08	7.54E-08	1.36E-09	-7.40E-08
1807	494761.06, 3859101.99	1.20E-06	2.16E-08	-1.18E-06	5.05E-08	9.09E-10	-4.96E-08	7.56E-08	1.36E-09	-7.43E-08
1808	494811.06, 3859101.99	1.20E-06	2.16E-08	-1.18E-06	5.05E-08	9.08E-10	-4.95E-08	7.55E-08	1.36E-09	-7.42E-08
1809	494861.06, 3859101.99	1.20E-06	2.16E-08	-1.18E-06	5.04E-08	9.07E-10	-4.95E-08	7.55E-08	1.36E-09	-7.41E-08
1810	494911.06, 3859101.99	1.19E-06	2.15E-08	-1.17E-06	5.01E-08	9.03E-10	-4.92E-08	7.51E-08	1.35E-09	-7.37E-08
1811	494961.06, 3859101.99	1.18E-06	2.12E-08	-1.16E-06	4.96E-08	8.93E-10	-4.87E-08	7.43E-08	1.34E-09	-7.29E-08
1812	495011.06, 3859101.99	1.16E-06	2.09E-08	-1.14E-06	4.89E-08	8.81E-10	-4.81E-08	7.33E-08	1.32E-09	-7.20E-08
1813	495061.06, 3859101.99	1.17E-06	2.10E-08	-1.15E-06	4.91E-08	8.84E-10	-4.82E-08	7.36E-08	1.32E-09	-7.22E-08
1814	495111.06, 3859101.99	1.17E-06	2.10E-08	-1.15E-06	4.91E-08	8.84E-10	-4.82E-08	7.36E-08	1.32E-09	-7.22E-08
1815	495161.06, 3859101.99	1.18E-06	2.12E-08	-1.16E-06	4.95E-08	8.91E-10	-4.86E-08	7.41E-08	1.33E-09	-7.28E-08

1816	495211.06, 3859101.99	1.18E-06	2.12E-08	-1.16E-06	4.95E-08	8.92E-10	-4.87E-08	7.42E-08	1.34E-09	-7.29E-08
1817	495261.06, 3859101.99	1.18E-06	2.13E-08	-1.16E-06	4.98E-08	8.96E-10	-4.89E-08	7.46E-08	1.34E-09	-7.32E-08
1818	495311.06, 3859101.99	1.18E-06	2.12E-08	-1.16E-06	4.96E-08	8.93E-10	-4.87E-08	7.43E-08	1.34E-09	-7.29E-08
1819	495361.06, 3859101.99	1.19E-06	2.15E-08	-1.17E-06	5.01E-08	9.03E-10	-4.92E-08	7.51E-08	1.35E-09	-7.37E-08
1820	495411.06, 3859101.99	1.19E-06	2.15E-08	-1.17E-06	5.03E-08	9.05E-10	-4.94E-08	7.53E-08	1.36E-09	-7.39E-08
1821	495461.06, 3859101.99	1.18E-06	2.13E-08	-1.16E-06	4.97E-08	8.95E-10	-4.88E-08	7.45E-08	1.34E-09	-7.31E-08
1822	495511.06, 3859101.99	1.18E-06	2.13E-08	-1.16E-06	4.98E-08	8.97E-10	-4.90E-08	7.46E-08	1.34E-09	-7.33E-08
1823	495561.06, 3859101.99	1.20E-06	2.16E-08	-1.18E-06	5.04E-08	9.07E-10	-4.95E-08	7.55E-08	1.36E-09	-7.41E-08
1824	495611.06, 3859101.99	1.20E-06	2.16E-08	-1.18E-06	5.04E-08	9.07E-10	-4.95E-08	7.55E-08	1.36E-09	-7.41E-08
1825	495661.06, 3859101.99	1.20E-06	2.17E-08	-1.18E-06	5.06E-08	9.12E-10	-4.97E-08	7.58E-08	1.36E-09	-7.45E-08
1826	494311.06, 3859151.99	1.26E-06	2.27E-08	-1.24E-06	5.30E-08	9.55E-10	-5.21E-08	7.94E-08	1.43E-09	-7.80E-08
1827	494361.06, 3859151.99	1.27E-06	2.29E-08	-1.25E-06	5.36E-08	9.65E-10	-5.26E-08	8.02E-08	1.44E-09	-7.88E-08
1828	494411.06, 3859151.99	1.28E-06	2.30E-08	-1.26E-06	5.38E-08	9.69E-10	-5.29E-08	8.06E-08	1.45E-09	-7.91E-08
1829	494461.06, 3859151.99	1.28E-06	2.31E-08	-1.26E-06	5.39E-08	9.71E-10	-5.30E-08	8.08E-08	1.45E-09	-7.93E-08
1830	494511.06, 3859151.99	1.28E-06	2.30E-08	-1.26E-06	5.38E-08	9.69E-10	-5.29E-08	8.06E-08	1.45E-09	-7.91E-08
1831	494561.06, 3859151.99	1.28E-06	2.30E-08	-1.26E-06	5.38E-08	9.69E-10	-5.29E-08	8.06E-08	1.45E-09	-7.91E-08
1832	494611.06, 3859151.99	1.27E-06	2.29E-08	-1.25E-06	5.36E-08	9.65E-10	-5.26E-08	8.02E-08	1.44E-09	-7.88E-08
1833	494661.06, 3859151.99	1.27E-06	2.29E-08	-1.25E-06	5.35E-08	9.64E-10	-5.26E-08	8.01E-08	1.44E-09	-7.87E-08
1834	494711.06, 3859151.99	1.27E-06	2.29E-08	-1.25E-06	5.36E-08	9.65E-10	-5.26E-08	8.02E-08	1.44E-09	-7.88E-08
1835	494761.06, 3859151.99	1.27E-06	2.28E-08	-1.24E-06	5.33E-08	9.59E-10	-5.23E-08	7.98E-08	1.44E-09	-7.84E-08
1836	494811.06, 3859151.99	1.26E-06	2.28E-08	-1.24E-06	5.32E-08	9.57E-10	-5.22E-08	7.96E-08	1.43E-09	-7.82E-08
1837	494861.06, 3859151.99	1.27E-06	2.28E-08	-1.24E-06	5.32E-08	9.58E-10	-5.23E-08	7.97E-08	1.43E-09	-7.83E-08
1838	494911.06, 3859151.99	1.26E-06	2.26E-08	-1.23E-06	5.29E-08	9.52E-10	-5.19E-08	7.92E-08	1.43E-09	-7.77E-08
1839	494961.06, 3859151.99	1.23E-06	2.22E-08	-1.21E-06	5.19E-08	9.34E-10	-5.10E-08	7.77E-08	1.40E-09	-7.63E-08
1840	495011.06, 3859151.99	1.23E-06	2.21E-08	-1.21E-06	5.17E-08	9.30E-10	-5.07E-08	7.74E-08	1.39E-09	-7.60E-08
1841	495061.06, 3859151.99	1.23E-06	2.22E-08	-1.21E-06	5.18E-08	9.33E-10	-5.09E-08	7.76E-08	1.40E-09	-7.62E-08
1842	495111.06, 3859151.99	1.24E-06	2.22E-08	-1.21E-06	5.20E-08	9.35E-10	-5.10E-08	7.78E-08	1.40E-09	-7.64E-08
1843	495161.06, 3859151.99	1.25E-06	2.24E-08	-1.22E-06	5.24E-08	9.43E-10	-5.14E-08	7.84E-08	1.41E-09	-7.70E-08
1844	495211.06, 3859151.99	1.25E-06	2.25E-08	-1.23E-06	5.25E-08	9.45E-10	-5.16E-08	7.86E-08	1.42E-09	-7.72E-08
1845	495261.06, 3859151.99	1.25E-06	2.25E-08	-1.23E-06	5.27E-08	9.48E-10	-5.17E-08	7.89E-08	1.42E-09	-7.75E-08
1846	495311.06, 3859151.99	1.26E-06	2.26E-08	-1.23E-06	5.29E-08	9.52E-10	-5.19E-08	7.92E-08	1.43E-09	-7.77E-08
1847	495361.06, 3859151.99	1.26E-06	2.27E-08	-1.24E-06	5.30E-08	9.54E-10	-5.20E-08	7.93E-08	1.43E-09	-7.79E-08
1848	495411.06, 3859151.99	1.27E-06	2.28E-08	-1.25E-06	5.33E-08	9.60E-10	-5.24E-08	7.99E-08	1.44E-09	-7.84E-08
1849	495461.06, 3859151.99	1.27E-06	2.29E-08	-1.25E-06	5.35E-08	9.63E-10	-5.25E-08	8.01E-08	1.44E-09	-7.86E-08
1850	495511.06, 3859151.99	1.27E-06	2.28E-08	-1.25E-06	5.33E-08	9.60E-10	-5.24E-08	7.99E-08	1.44E-09	-7.84E-08
1851	495561.06, 3859151.99	1.27E-06	2.29E-08	-1.25E-06	5.34E-08	9.61E-10	-5.24E-08	8.00E-08	1.44E-09	-7.85E-08
1852	495611.06, 3859151.99	1.27E-06	2.29E-08	-1.25E-06	5.35E-08	9.64E-10	-5.26E-08	8.01E-08	1.44E-09	-7.87E-08
1853	495661.06, 3859151.99	1.28E-06	2.30E-08	-1.25E-06	5.36E-08	9.66E-10	-5.27E-08	8.03E-08	1.45E-09	-7.89E-08
1854	494311.06, 3859201.99	1.34E-06	2.41E-08	-1.31E-06	5.62E-08	1.01E-09	-5.52E-08	8.42E-08	1.52E-09	-8.27E-08
1855	494361.06, 3859201.99	1.35E-06	2.42E-08	-1.32E-06	5.66E-08	1.02E-09	-5.56E-08	8.48E-08	1.53E-09	-8.32E-08
1856	494411.06, 3859201.99	1.35E-06	2.44E-08	-1.33E-06	5.69E-08	1.02E-09	-5.59E-08	8.52E-08	1.53E-09	-8.37E-08
1857	494461.06, 3859201.99	1.35E-06	2.44E-08	-1.33E-06	5.69E-08	1.02E-09	-5.59E-08	8.52E-08	1.53E-09	-8.37E-08
1858	494511.06, 3859201.99	1.36E-06	2.44E-08	-1.33E-06	5.70E-08	1.03E-09	-5.60E-08	8.54E-08	1.54E-09	-8.38E-08
1859	494561.06, 3859201.99	1.35E-06	2.43E-08	-1.32E-06	5.67E-08	1.02E-09	-5.57E-08	8.49E-08	1.53E-09	-8.34E-08
1860	494611.06, 3859201.99	1.35E-06	2.42E-08	-1.32E-06	5.66E-08	1.02E-09	-5.56E-08	8.48E-08	1.53E-09	-8.32E-08
1861	494661.06, 3859201.99	1.35E-06	2.42E-08	-1.32E-06	5.66E-08	1.02E-09	-5.56E-08	8.48E-08	1.53E-09	-8.32E-08
1862	494711.06, 3859201.99	1.35E-06	2.42E-08	-1.32E-06	5.66E-08	1.02E-09	-5.56E-08	8.48E-08	1.53E-09	-8.32E-08
1863	494761.06, 3859201.99	1.34E-06	2.41E-08	-1.32E-06	5.64E-08	1.01E-09	-5.53E-08	8.44E-08	1.52E-09	-8.29E-08
1864	494811.06, 3859201.99	1.34E-06	2.41E-08	-1.31E-06	5.62E-08	1.01E-09	-5.52E-08	8.42E-08	1.52E-09	-8.27E-08
1865	494861.06, 3859201.99	1.32E-06	2.38E-08	-1.30E-06	5.56E-08	1.00E-09	-5.46E-08	8.32E-08	1.50E-09	-8.17E-08
1866	494911.06, 3859201.99	1.32E-06	2.38E-08	-1.30E-06	5.56E-08	1.00E-09	-5.46E-08	8.32E-08	1.50E-09	-8.17E-08
1867	494961.06, 3859201.99	1.31E-06	2.36E-08	-1.28E-06	5.50E-08	9.91E-10	-5.40E-08	8.24E-08	1.48E-09	-8.09E-08
1868	495011.06, 3859201.99	1.29E-06	2.32E-08	-1.26E-06	5.42E-08	9.76E-10	-5.32E-08	8.11E-08	1.46E-09	-7.97E-08
1869	495061.06, 3859201.99	1.31E-06	2.35E-08	-1.28E-06	5.49E-08	9.89E-10	-5.39E-08	8.22E-08	1.48E-09	-8.07E-08
1870	495111.06, 3859201.99	1.31E-06	2.36E-08	-1.29E-06	5.52E-08	9.94E-10	-5.42E-08	8.27E-08	1.49E-09	-8.12E-08
1871	495161.06, 3859201.99	1.32E-06	2.37E-08	-1.29E-06	5.55E-08	9.98E-10	-5.45E-08	8.30E-08	1.49E-09	-8.15E-08
1872	495211.06, 3859201.99	1.32E-06	2.38E-08	-1.30E-06	5.55E-08	9.99E-10	-5.45E-08	8.31E-08	1.50E-09	-8.16E-08
1873	495261.06, 3859201.99	1.33E-06	2.39E-08	-1.30E-06	5.58E-08	1.00E-09	-5.48E-08	8.36E-08	1.50E-09	-8.21E-08
1874	495311.06, 3859201.99	1.33E-06	2.40E-08	-1.31E-06	5.60E-08	1.01E-09	-5.50E-08	8.38E-08	1.51E-09	-8.23E-08
1875	495361.06, 3859201.99	1.34E-06	2.40E-08	-1.31E-06	5.62E-08	1.01E-09	-5.52E-08	8.41E-08	1.51E-09	-8.26E-08
1876	495411.06, 3859201.99	1.34E-06	2.42E-08	-1.32E-06	5.65E-08	1.02E-09	-5.55E-08	8.47E-08	1.52E-09	-8.31E-08
1877	495461.06, 3859201.99	1.35E-06	2.42E-08	-1.32E-06	5.67E-08	1.02E-09	-5.56E-08	8.48E-08	1.53E-09	-8.33E-08
1878	495511.06, 3859201.99	1.35E-06	2.43E-08	-1.33E-06	5.68E-08	1.02E-09	-5.58E-08	8.50E-08	1.53E-09	-8.35E-08
1879	495561.06, 3859201.99	1.35E-06	2.42E-08	-1.32E-06	5.67E-08	1.02E-09	-5.56E-08	8.48E-08	1.53E-09	-8.33E-08
1880	495611.06, 3859201.99	1.35E-06	2.43E-08	-1.32E-06	5.67E-08	1.02E-09	-5.57E-08	8.49E-08	1.53E-09	-8.34E-08
1881	495661.06, 3859201.99	1.35E-06	2.44E-08	-1.33E-06	5.69E-08	1.02E-09	-5.59E-08	8.52E-08	1.53E-09	-8.37E-08
1882	494311.06, 3859251.99	1.42E-06	2.56E-08	-1.39E-06	5.97E-08	1.08E-09	-5.87E-08	8.94E-08	1.61E-09	-8.78E-08
1883	494361.06, 3859251.99	1.42E-06	2.56E-08	-1.40E-06	5.99E-08	1.08E-09	-5.88E-08	8.97E-08	1.62E-09	-8.81E-08
1884	494411.06, 3859251.99	1.42E-06	2.56E-08	-1.40E-06	5.99E-08	1.08E-09	-5.88E-08	8.97E-08	1.62E-09	-8.81E-08
1885	494461.06, 3859251.99	1.43E-06	2.57E-08	-1.40E-06	6.02E-08	1.08E-09	-5.91E-08	9.01E-08	1.62E-09	-8.85E-08
1886	494511.06, 3859251.99	1.42E-06	2.56E-08	-1.40E-06	5.99E-08	1.08E-09	-5.88E-08	8.97E-08	1.62E-09	-8.81E-08
1887	494561.06, 3859251.99	1.42E-06	2.56E-08	-1.40E-06	5.99E-08	1.08E-09	-5.88E-08	8.97E-08	1.62E-09	-8.81E-08
1888	494611.06, 3859251.99	1.42E-06	2.56E-08	-1.39E-06	5.97E-08	1.08E-09	-5.87E-08	8.94E-08	1.61E-09	-8.78E-08
1889	494661.06, 3859251.99	1.42E-06	2.56E-08	-1.40E-06	5.99E-08	1.08E-09	-5.88E-08	8.97E-08	1.62E-09	-8.81E-08
1890	494711.06, 3859251.99	1.42E-06	2.56E-08	-1.40E-06	5.99E-08	1.08E-09	-5.88E-08	8.97E-08	1.62E-09	-8.81E-08
1891	494761.06, 3859251.99	1.40E-06	2.51E-08	-1.37E-06	5.87E-08	1.06E-09	-5.77E-08	8.79E-08	1.58E-09	-8.63E-08
1892	494811.06, 3859251.99	1.42E-06	2.55E-08	-1.39E-06	5.96E-08	1.07E-09	-5.85E-08	8.92E-08	1.61E-09	-8.76E-08
1893	494861.06, 3859251.99	1.39E-06	2.50E-08	-1.36E-06	5.83E-08	1.05E-09	-5.73E-08	8.74E-08	1.57E-09	-8.58E-08
1894	494911.06, 3859251.99	1.39E-06	2.50E-08	-1.36E-06	5.85E-08	1.05E-09	-5.74E-08	8.75E-08	1.58E-09	-8.60E-08
1895	494961.06, 3859251.99	1.39E-06	2.50E-08	-1.36E-06	5.83E-08	1.05E-09	-5.73E-08	8.74E-08	1.57E-09	-8.58E-08
1896	495011.06, 3859251.99	1.38E-06	2.49E-08	-1.36E-06	5.82E-08	1.05E-09	-5.71E-08	8.71E-08	1.57E-09	-8.55E-08
1897	495061.06, 3859251.99	1.39E-06	2.50E-08	-1.37E-06	5.85E-08	1.05E-09	-5.75E-08	8.76E-08	1.58E-09	-8.61E-08
1898	495111.06, 3859251.99	1.39E-06	2.51E-08	-1.37E-06	5.86E-08	1.06E-09	-5.76E-08	8.78E-08	1.58E-09	-8.62E-08
1899	495161.06, 3859251.99	1.40E-06	2.52E-08	-1.37E-06	5.89E-08	1.06E-09	-5.78E-08	8.82E-08	1.59E-09	-8.66E-08
1900	495211.06, 3859251.99	1.40E-06	2.53E-08	-1.38E-06	5.90E-08	1.06E-09	-5.79E-08	8.84E-08	1.59E-09	-8.68E-08
1901	495261.06, 3859251.99	1.40E-06	2.51E-08	-1.37E-06	5.88E-08	1.06E-09	-5.77E-08	8.80E-08	1.58E-09	-8.64E-08
1902	495311.06, 3859251.99	1.42E-06	2.55E-08	-1.39E-06	5.96E-08	1.07E-09	-5.85E-08	8.92E-08	1.61E-09	-8.76E-08
1903	495361.06, 3859251.99	1.42E-06	2.56E-08	-1.39E-06	5.97E-08	1.08E-09	-5.87E-08	8.94E-08	1.61E-09	-8.78E-08
1904	495411.06, 3859251.99	1.43E-06	2.57E-08	-1.40E-06	6.01E-08	1.08E-09	-5.90E-08	9.00E-08	1.62E-09	-8.84E-08
1905	495461.06, 3859251.99	1.43E-06	2.58E-08	-1.41E-06	6.03E-08	1.09E-09	-5.92E-08	9.03E-08	1.62E-09	-8.86E-08
1906	495511.06, 3859251.99	1.43E-06	2.57E-08	-1.40E-06	6.02E-08	1.08E-09	-5.91E-08	9.01E-08	1.62E-09	-8.85E-08
1907	495561.06, 3859251.99	1.43E-06	2.58E-08	-1.41E-06	6.02E-08	1.08E-09	-5.91E-08	9.02E-08	1.62E-09	-8.85E-08
1908	495611.06, 3859251.99	1.43E-06	2.58E-08	-1.41E-06	6.02E-08	1.08E-09	-5.91E-08	9.02E-08	1.62E-09	-8.85E-08
1909	495661.06, 3859251.99	1.43E-06	2.58E-08	-1.41E-06	6.03E-08	1.09E-09	-5.93E-08	9.03E-08	1.63E-09	-8.87E-08
1910	494311.06, 3859301.99	1.51E-06	2.72E-08	-1.48E-06	6.35E-08	1.14E-09	-6.24E-08	9.51E-08	1.71E-09	-9.34E-08
1911	494361.06, 3859301.99	1.51E-06	2.72E-08	-1.49E-06	6.37E-08	1.15E-09	-6.25E-08	9.53E-08	1.72E-09	-9.36E-08
1912	494411.06, 3859301.99	1.51E-06	2.72E-08	-1.48E-06	6.36E-08	1.14E-09	-6.24E-08	9.52E-08	1.71E-09	-9.35E-08
1913	494461.06, 3859301.99	1.51E-06	2.72E-08	-1.48E-06	6.35E-08	1.14E-09	-6.23E-08	9.50E-08	1.71E-09	-9.33E-08
1914	494511.06, 3859301.99	1.51E-06	2.71E-08	-1.48E-06	6.34E-08	1.14E-09	-6.23E-08	9.50E-08	1.71E-09	-9.32E-08
1915	494561.06, 3859301.99	1.51E-06	2.72E-08	-1.48E-06	6.35E-08	1.14E-09	-6.23E-08	9.50E-08	1.71E-09	-9.33E-08
1916	494611.06, 3859301.99	1.51E-06	2.71E-08	-1.48E-06	6.34E-08	1.14E-09	-6.23E-08	9.50E-08	1.71E-09	-9.32E-08
1917	494661.06, 3859301.99	1.51E-06	2.71E-08	-1.48E-06	6.34E-08	1.14E-09	-6.23E-08	9.50E-08	1.71E-09	-9.32E-08
1918	494711.06, 3859301.99	1.50E-06	2.71E-08	-1.48E-06	6.33E-08	1.14E-09	-6.22E-08	9.48E-08	1.71E-09	-9.31E-08
1919	494761.06, 3859301.99	1.50E-06	2.71E-08	-1.48E-06	6.32E-08	1.14E-09	-6.21E-08	9.47E-08	1.70E-09	-9.30E-08
1920	494811.06, 3859301.99	1.50E-06	2.69E-08	-1.47E-06	6.29E-08	1.13E-09	-6.18E-08	9.42E-08	1.70E-09	-9.25E-08
1921	494861.06, 3859301.99	1.48E-06	2.66E-08	-1.45E-06	6.22E-08	1.12E-09	-6.11E-08	9.31E-08	1.68E-09	-9.15E-08
1922	494911.06, 3859301.99	1.48E-06	2.66E-08	-1.45E-06	6.21E-08	1.12E-09	-6.10E-08	9.30E-08	1.67E-09	-9.13E-08

1923	494961.06, 3859301.99	1.45E-06	2.62E-08	-1.43E-06	6.11E-08	1.10E-09	-6.00E-08	9.15E-08	1.65E-09	-8.99E-08
1924	495011.06, 3859301.99	1.45E-06	2.62E-08	-1.43E-06	6.11E-08	1.10E-09	-6.00E-08	9.15E-08	1.65E-09	-8.99E-08
1925	495061.06, 3859301.99	1.46E-06	2.64E-08	-1.44E-06	6.16E-08	1.11E-09	-6.05E-08	9.22E-08	1.66E-09	-9.06E-08
1926	495111.06, 3859301.99	1.47E-06	2.64E-08	-1.44E-06	6.18E-08	1.11E-09	-6.07E-08	9.25E-08	1.67E-09	-9.08E-08
1927	495161.06, 3859301.99	1.48E-06	2.67E-08	-1.45E-06	6.23E-08	1.12E-09	-6.12E-08	9.33E-08	1.68E-09	-9.16E-08
1928	495211.06, 3859301.99	1.49E-06	2.69E-08	-1.47E-06	6.29E-08	1.13E-09	-6.17E-08	9.41E-08	1.69E-09	-9.24E-08
1929	495261.06, 3859301.99	1.50E-06	2.71E-08	-1.48E-06	6.32E-08	1.14E-09	-6.21E-08	9.47E-08	1.70E-09	-9.30E-08
1930	495311.06, 3859301.99	1.50E-06	2.70E-08	-1.47E-06	6.32E-08	1.14E-09	-6.20E-08	9.46E-08	1.70E-09	-9.29E-08
1931	495361.06, 3859301.99	1.51E-06	2.72E-08	-1.48E-06	6.36E-08	1.14E-09	-6.24E-08	9.52E-08	1.71E-09	-9.35E-08
1932	495411.06, 3859301.99	1.52E-06	2.73E-08	-1.49E-06	6.38E-08	1.15E-09	-6.27E-08	9.56E-08	1.72E-09	-9.39E-08
1933	495461.06, 3859301.99	1.52E-06	2.74E-08	-1.50E-06	6.41E-08	1.15E-09	-6.30E-08	9.60E-08	1.73E-09	-9.43E-08
1934	495511.06, 3859301.99	1.52E-06	2.74E-08	-1.50E-06	6.41E-08	1.15E-09	-6.30E-08	9.60E-08	1.73E-09	-9.43E-08
1935	495561.06, 3859301.99	1.52E-06	2.73E-08	-1.49E-06	6.39E-08	1.15E-09	-6.27E-08	9.57E-08	1.72E-09	-9.40E-08
1936	495611.06, 3859301.99	1.52E-06	2.74E-08	-1.49E-06	6.40E-08	1.15E-09	-6.29E-08	9.59E-08	1.73E-09	-9.41E-08
1937	495661.06, 3859301.99	1.52E-06	2.74E-08	-1.50E-06	6.41E-08	1.15E-09	-6.30E-08	9.60E-08	1.73E-09	-9.43E-08
1938	494311.06, 3859351.99	1.60E-06	2.89E-08	-1.57E-06	6.74E-08	1.21E-09	-6.62E-08	1.01E-07	1.82E-09	-9.92E-08
1939	494361.06, 3859351.99	1.60E-06	2.89E-08	-1.58E-06	6.75E-08	1.22E-09	-6.63E-08	1.01E-07	1.82E-09	-9.93E-08
1940	494411.06, 3859351.99	1.60E-06	2.88E-08	-1.57E-06	6.73E-08	1.21E-09	-6.61E-08	1.01E-07	1.81E-09	-9.89E-08
1941	494461.06, 3859351.99	1.60E-06	2.88E-08	-1.57E-06	6.73E-08	1.21E-09	-6.61E-08	1.01E-07	1.81E-09	-9.89E-08
1942	494511.06, 3859351.99	1.60E-06	2.88E-08	-1.57E-06	6.72E-08	1.21E-09	-6.60E-08	1.01E-07	1.81E-09	-9.88E-08
1943	494561.06, 3859351.99	1.60E-06	2.88E-08	-1.57E-06	6.74E-08	1.21E-09	-6.62E-08	1.01E-07	1.82E-09	-9.91E-08
1944	494611.06, 3859351.99	1.60E-06	2.88E-08	-1.57E-06	6.74E-08	1.21E-09	-6.62E-08	1.01E-07	1.82E-09	-9.91E-08
1945	494661.06, 3859351.99	1.60E-06	2.88E-08	-1.57E-06	6.73E-08	1.21E-09	-6.61E-08	1.01E-07	1.82E-09	-9.90E-08
1946	494711.06, 3859351.99	1.60E-06	2.87E-08	-1.57E-06	6.71E-08	1.21E-09	-6.59E-08	1.01E-07	1.81E-09	-9.87E-08
1947	494761.06, 3859351.99	1.56E-06	2.82E-08	-1.54E-06	6.58E-08	1.19E-09	-6.46E-08	9.86E-08	1.77E-09	-9.68E-08
1948	494811.06, 3859351.99	1.57E-06	2.82E-08	-1.54E-06	6.59E-08	1.19E-09	-6.47E-08	9.87E-08	1.78E-09	-9.69E-08
1949	494861.06, 3859351.99	1.57E-06	2.82E-08	-1.54E-06	6.59E-08	1.19E-09	-6.48E-08	9.87E-08	1.78E-09	-9.70E-08
1950	494911.06, 3859351.99	1.57E-06	2.83E-08	-1.54E-06	6.61E-08	1.19E-09	-6.49E-08	9.90E-08	1.78E-09	-9.72E-08
1951	494961.06, 3859351.99	1.57E-06	2.82E-08	-1.54E-06	6.59E-08	1.19E-09	-6.48E-08	9.87E-08	1.78E-09	-9.70E-08
1952	495011.06, 3859351.99	1.57E-06	2.82E-08	-1.54E-06	6.59E-08	1.19E-09	-6.48E-08	9.87E-08	1.78E-09	-9.70E-08
1953	495061.06, 3859351.99	1.59E-06	2.86E-08	-1.56E-06	6.67E-08	1.20E-09	-6.55E-08	9.99E-08	1.80E-09	-9.81E-08
1954	495111.06, 3859351.99	1.59E-06	2.86E-08	-1.56E-06	6.67E-08	1.20E-09	-6.55E-08	9.99E-08	1.80E-09	-9.81E-08
1955	495161.06, 3859351.99	1.59E-06	2.87E-08	-1.56E-06	6.70E-08	1.21E-09	-6.58E-08	1.00E-07	1.81E-09	-9.85E-08
1956	495211.06, 3859351.99	1.60E-06	2.87E-08	-1.57E-06	6.71E-08	1.21E-09	-6.59E-08	1.01E-07	1.81E-09	-9.87E-08
1957	495261.06, 3859351.99	1.61E-06	2.89E-08	-1.58E-06	6.76E-08	1.22E-09	-6.64E-08	1.01E-07	1.82E-09	-9.94E-08
1958	495311.06, 3859351.99	1.61E-06	2.89E-08	-1.58E-06	6.76E-08	1.22E-09	-6.64E-08	1.01E-07	1.82E-09	-9.94E-08
1959	495361.06, 3859351.99	1.61E-06	2.90E-08	-1.58E-06	6.78E-08	1.22E-09	-6.65E-08	1.01E-07	1.83E-09	-9.96E-08
1960	495411.06, 3859351.99	1.62E-06	2.91E-08	-1.59E-06	6.81E-08	1.23E-09	-6.69E-08	1.02E-07	1.84E-09	-1.00E-07
1961	495461.06, 3859351.99	1.63E-06	2.93E-08	-1.60E-06	6.85E-08	1.23E-09	-6.73E-08	1.03E-07	1.85E-09	-1.01E-07
1962	495511.06, 3859351.99	1.62E-06	2.93E-08	-1.60E-06	6.84E-08	1.23E-09	-6.71E-08	1.02E-07	1.84E-09	-1.01E-07
1963	495561.06, 3859351.99	1.62E-06	2.93E-08	-1.60E-06	6.84E-08	1.23E-09	-6.71E-08	1.02E-07	1.84E-09	-1.01E-07
1964	495611.06, 3859351.99	1.63E-06	2.93E-08	-1.60E-06	6.85E-08	1.23E-09	-6.73E-08	1.03E-07	1.85E-09	-1.01E-07
1965	495661.06, 3859351.99	1.62E-06	2.93E-08	-1.60E-06	6.84E-08	1.23E-09	-6.71E-08	1.02E-07	1.84E-09	-1.01E-07
1966	494311.06, 3859401.99	1.71E-06	3.09E-08	-1.68E-06	7.21E-08	1.30E-09	-7.08E-08	1.08E-07	1.94E-09	-1.06E-07
1967	494361.06, 3859401.99	1.70E-06	3.07E-08	-1.67E-06	7.17E-08	1.29E-09	-7.04E-08	1.07E-07	1.93E-09	-1.05E-07
1968	494411.06, 3859401.99	1.70E-06	3.05E-08	-1.67E-06	7.14E-08	1.28E-09	-7.01E-08	1.07E-07	1.92E-09	-1.05E-07
1969	494461.06, 3859401.99	1.70E-06	3.06E-08	-1.67E-06	7.14E-08	1.29E-09	-7.01E-08	1.07E-07	1.93E-09	-1.05E-07
1970	494511.06, 3859401.99	1.70E-06	3.07E-08	-1.67E-06	7.17E-08	1.29E-09	-7.04E-08	1.07E-07	1.93E-09	-1.05E-07
1971	494561.06, 3859401.99	1.71E-06	3.07E-08	-1.68E-06	7.18E-08	1.29E-09	-7.06E-08	1.08E-07	1.94E-09	-1.06E-07
1972	494611.06, 3859401.99	1.70E-06	3.07E-08	-1.67E-06	7.17E-08	1.29E-09	-7.04E-08	1.07E-07	1.93E-09	-1.05E-07
1973	494661.06, 3859401.99	1.71E-06	3.08E-08	-1.68E-06	7.19E-08	1.29E-09	-7.06E-08	1.08E-07	1.94E-09	-1.06E-07
1974	494711.06, 3859401.99	1.71E-06	3.08E-08	-1.68E-06	7.20E-08	1.30E-09	-7.07E-08	1.08E-07	1.94E-09	-1.06E-07
1975	494761.06, 3859401.99	1.66E-06	2.99E-08	-1.63E-06	6.99E-08	1.26E-09	-6.87E-08	1.05E-07	1.88E-09	-1.03E-07
1976	494811.06, 3859401.99	1.69E-06	3.04E-08	-1.66E-06	7.11E-08	1.28E-09	-6.98E-08	1.06E-07	1.92E-09	-1.04E-07
1977	494861.06, 3859401.99	1.67E-06	3.02E-08	-1.64E-06	7.05E-08	1.27E-09	-6.92E-08	1.06E-07	1.90E-09	-1.04E-07
1978	494911.06, 3859401.99	1.66E-06	2.98E-08	-1.63E-06	6.97E-08	1.25E-09	-6.84E-08	1.04E-07	1.88E-09	-1.02E-07
1979	494961.06, 3859401.99	1.67E-06	3.01E-08	-1.64E-06	7.04E-08	1.27E-09	-6.91E-08	1.05E-07	1.90E-09	-1.04E-07
1980	495011.06, 3859401.99	1.68E-06	3.03E-08	-1.65E-06	7.07E-08	1.27E-09	-6.94E-08	1.06E-07	1.91E-09	-1.04E-07
1981	495061.06, 3859401.99	1.67E-06	3.01E-08	-1.64E-06	7.02E-08	1.26E-09	-6.90E-08	1.05E-07	1.89E-09	-1.03E-07
1982	495111.06, 3859401.99	1.67E-06	3.01E-08	-1.64E-06	7.03E-08	1.27E-09	-6.91E-08	1.05E-07	1.90E-09	-1.03E-07
1983	495161.06, 3859401.99	1.70E-06	3.06E-08	-1.67E-06	7.14E-08	1.29E-09	-7.01E-08	1.07E-07	1.93E-09	-1.05E-07
1984	495211.06, 3859401.99	1.71E-06	3.08E-08	-1.68E-06	7.19E-08	1.29E-09	-7.06E-08	1.08E-07	1.94E-09	-1.06E-07
1985	495261.06, 3859401.99	1.72E-06	3.09E-08	-1.68E-06	7.22E-08	1.30E-09	-7.09E-08	1.08E-07	1.95E-09	-1.06E-07
1986	495311.06, 3859401.99	1.72E-06	3.10E-08	-1.69E-06	7.23E-08	1.30E-09	-7.10E-08	1.08E-07	1.95E-09	-1.06E-07
1987	495361.06, 3859401.99	1.73E-06	3.12E-08	-1.70E-06	7.29E-08	1.31E-09	-7.16E-08	1.09E-07	1.96E-09	-1.07E-07
1988	495411.06, 3859401.99	1.74E-06	3.13E-08	-1.71E-06	7.32E-08	1.32E-09	-7.19E-08	1.10E-07	1.97E-09	-1.08E-07
1989	495461.06, 3859401.99	1.74E-06	3.13E-08	-1.71E-06	7.32E-08	1.32E-09	-7.19E-08	1.10E-07	1.97E-09	-1.08E-07
1990	495511.06, 3859401.99	1.74E-06	3.13E-08	-1.71E-06	7.31E-08	1.32E-09	-7.18E-08	1.09E-07	1.97E-09	-1.08E-07
1991	495561.06, 3859401.99	1.73E-06	3.12E-08	-1.70E-06	7.28E-08	1.31E-09	-7.15E-08	1.09E-07	1.96E-09	-1.07E-07
1992	495611.06, 3859401.99	1.73E-06	3.12E-08	-1.70E-06	7.29E-08	1.31E-09	-7.16E-08	1.09E-07	1.96E-09	-1.07E-07
1993	495661.06, 3859401.99	1.74E-06	3.13E-08	-1.71E-06	7.31E-08	1.32E-09	-7.17E-08	1.09E-07	1.97E-09	-1.07E-07
1994	494311.06, 3859451.99	1.82E-06	3.28E-08	-1.79E-06	7.66E-08	1.38E-09	-7.52E-08	1.15E-07	2.06E-09	-1.13E-07
1995	494361.06, 3859451.99	1.81E-06	3.27E-08	-1.78E-06	7.63E-08	1.37E-09	-7.49E-08	1.14E-07	2.06E-09	-1.12E-07
1996	494411.06, 3859451.99	1.80E-06	3.23E-08	-1.76E-06	7.55E-08	1.36E-09	-7.42E-08	1.13E-07	2.04E-09	-1.11E-07
1997	494461.06, 3859451.99	1.81E-06	3.26E-08	-1.78E-06	7.61E-08	1.37E-09	-7.47E-08	1.14E-07	2.05E-09	-1.12E-07
1998	494511.06, 3859451.99	1.81E-06	3.26E-08	-1.78E-06	7.61E-08	1.37E-09	-7.47E-08	1.14E-07	2.05E-09	-1.12E-07
1999	494561.06, 3859451.99	1.81E-06	3.26E-08	-1.78E-06	7.62E-08	1.37E-09	-7.49E-08	1.14E-07	2.06E-09	-1.12E-07
2000	494611.06, 3859451.99	1.82E-06	3.28E-08	-1.79E-06	7.67E-08	1.38E-09	-7.54E-08	1.15E-07	2.07E-09	-1.13E-07
2001	494661.06, 3859451.99	1.82E-06	3.28E-08	-1.79E-06	7.66E-08	1.38E-09	-7.52E-08	1.15E-07	2.07E-09	-1.13E-07
2002	494711.06, 3859451.99	1.82E-06	3.27E-08	-1.79E-06	7.65E-08	1.38E-09	-7.51E-08	1.15E-07	2.06E-09	-1.12E-07
2003	494761.06, 3859451.99	1.82E-06	3.28E-08	-1.79E-06	7.66E-08	1.38E-09	-7.52E-08	1.15E-07	2.06E-09	-1.13E-07
2004	494811.06, 3859451.99	1.81E-06	3.26E-08	-1.78E-06	7.61E-08	1.37E-09	-7.48E-08	1.14E-07	2.05E-09	-1.12E-07
2005	494861.06, 3859451.99	1.80E-06	3.24E-08	-1.77E-06	7.58E-08	1.37E-09	-7.45E-08	1.14E-07	2.04E-09	-1.11E-07
2006	494911.06, 3859451.99	1.80E-06	3.24E-08	-1.77E-06	7.57E-08	1.36E-09	-7.43E-08	1.13E-07	2.04E-09	-1.11E-07
2007	494961.06, 3859451.99	1.80E-06	3.25E-08	-1.77E-06	7.59E-08	1.37E-09	-7.45E-08	1.14E-07	2.05E-09	-1.12E-07
2008	495011.06, 3859451.99	1.81E-06	3.25E-08	-1.77E-06	7.60E-08	1.37E-09	-7.46E-08	1.14E-07	2.05E-09	-1.12E-07
2009	495061.06, 3859451.99	1.81E-06	3.26E-08	-1.78E-06	7.61E-08	1.37E-09	-7.48E-08	1.14E-07	2.05E-09	-1.12E-07
2010	495111.06, 3859451.99	1.81E-06	3.26E-08	-1.78E-06	7.62E-08	1.37E-09	-7.49E-08	1.14E-07	2.06E-09	-1.12E-07
2011	495161.06, 3859451.99	1.82E-06	3.28E-08	-1.79E-06	7.67E-08	1.38E-09	-7.53E-08	1.15E-07	2.07E-09	-1.13E-07
2012	495211.06, 3859451.99	1.84E-06	3.30E-08	-1.80E-06	7.72E-08	1.39E-09	-7.58E-08	1.16E-07	2.08E-09	-1.14E-07
2013	495261.06, 3859451.99	1.85E-06	3.32E-08	-1.81E-06	7.77E-08	1.40E-09	-7.63E-08	1.16E-07	2.09E-09	-1.14E-07
2014	495311.06, 3859451.99	1.85E-06	3.33E-08	-1.82E-06	7.79E-08	1.40E-09	-7.65E-08	1.17E-07	2.10E-09	-1.15E-07
2015	495361.06, 3859451.99	1.86E-06	3.34E-08	-1.82E-06	7.81E-08	1.41E-09	-7.67E-08	1.17E-07	2.11E-09	-1.15E-07
2016	495411.06, 3859451.99	1.86E-06	3.35E-08	-1.83E-06	7.83E-08	1.41E-09	-7.69E-08	1.17E-07	2.11E-09	-1.15E-07
2017	495461.06, 3859451.99	1.87E-06	3.36E-08	-1.83E-06	7.85E-08	1.41E-09	-7.71E-08	1.18E-07	2.12E-09	-1.15E-07
2018	495511.06, 3859451.99	1.86E-06	3.35E-08	-1.83E-06	7.82E-08	1.41E-09	-7.68E-08	1.17E-07	2.11E-09	-1.15E-07
2019	495561.06, 3859451.99	1.86E-06	3.35E-08	-1.83E-06	7.82E-08	1.41E-09	-7.68E-08	1.17E-07	2.11E-09	-1.15E-07
2020	495611.06, 3859451.99	1.86E-06	3.35E-08	-1.83E-06	7.82E-08	1.41E-09	-7.68E-08	1.17E-07	2.11E-09	-1.15E-07
2021	495661.06, 3859451.99	1.86E-06	3.35E-08	-1.83E-06	7.83E-08	1.41E-09	-7.69E-08	1.17E-07	2.11E-09	-1.15E-07
2022	494311.06, 3859501.99	1.95E-06	3.51E-08	-1.91E-06	8.19E-08	1.47E-09	-8.04E-08	1.23E-07	2.21E-09	-1.20E-07
2023	494361.06, 3859501.99	1.94E-06	3.49E-08	-1.90E-06	8.15E-08	1.47E-09	-8.00E-08	1.22E-07	2.20E-09	-1.20E-07
2024	494411.06, 3859501.99	1.90E-06	3.43E-08	-1.87E-06	8.01E-08	1.44E-09	-7.87E-08	1.20E-07	2.16E-09	-1.18E-07
2025	494461.06, 3859501.99	1.94E-06	3.48E-08	-1.90E-06	8.14E-08	1.47E-09	-8.00E-08	1.22E-07	2.20E-09	-1.20E-07
2026	494511.06, 3859501.99	1.93E-06	3.48E-08	-1.90E-06	8.13E-08	1.46E-09	-7.98E-08	1.22E-07	2.19E-09	-1.19E-07
2027	494561.06, 3859501.99	1.93E-06	3.47E-08	-1.90E-06	8.12E-08	1.46E-09	-7.97E-08	1.22E-07	2.19E-09	-1.19E-07
2028	494611.06, 3859501.99	1.96E-06	3.53E-08	-1.92E-06	8.24E-08	1.48E-09	-8.09E-08	1.23E-07	2.22E-09	-1.21E-07
2029	494661.06, 3859501.99	1.95E-06	3.51E-08	-1.91E-06	8.20E-08	1.48E-09	-8.06E-08	1.23E-07	2.21E-09	-1.21E-07

2030	494711.06, 3859501.99	1.94E-06	3.48E-08	-1.90E-06	8.14E-08	1.47E-09	-8.00E-08	1.22E-07	2.20E-09	-1.20E-07
2031	494761.06, 3859501.99	1.95E-06	3.52E-08	-1.92E-06	8.22E-08	1.48E-09	-8.07E-08	1.23E-07	2.22E-09	-1.21E-07
2032	494811.06, 3859501.99	1.93E-06	3.47E-08	-1.89E-06	8.11E-08	1.46E-09	-7.97E-08	1.21E-07	2.19E-09	-1.19E-07
2033	494861.06, 3859501.99	1.93E-06	3.47E-08	-1.90E-06	8.12E-08	1.46E-09	-7.97E-08	1.22E-07	2.19E-09	-1.19E-07
2034	494911.06, 3859501.99	1.94E-06	3.49E-08	-1.90E-06	8.15E-08	1.47E-09	-8.00E-08	1.22E-07	2.20E-09	-1.20E-07
2035	494961.06, 3859501.99	1.93E-06	3.48E-08	-1.90E-06	8.13E-08	1.46E-09	-7.98E-08	1.22E-07	2.19E-09	-1.19E-07
2036	495011.06, 3859501.99	1.94E-06	3.49E-08	-1.91E-06	8.16E-08	1.47E-09	-8.01E-08	1.22E-07	2.20E-09	-1.20E-07
2037	495061.06, 3859501.99	1.95E-06	3.51E-08	-1.91E-06	8.20E-08	1.48E-09	-8.05E-08	1.23E-07	2.21E-09	-1.21E-07
2038	495111.06, 3859501.99	1.95E-06	3.50E-08	-1.91E-06	8.19E-08	1.47E-09	-8.04E-08	1.23E-07	2.21E-09	-1.20E-07
2039	495161.06, 3859501.99	1.96E-06	3.52E-08	-1.92E-06	8.23E-08	1.48E-09	-8.09E-08	1.23E-07	2.22E-09	-1.21E-07
2040	495211.06, 3859501.99	1.97E-06	3.55E-08	-1.94E-06	8.29E-08	1.49E-09	-8.14E-08	1.24E-07	2.24E-09	-1.22E-07
2041	495261.06, 3859501.99	1.98E-06	3.56E-08	-1.94E-06	8.33E-08	1.50E-09	-8.18E-08	1.25E-07	2.25E-09	-1.22E-07
2042	495311.06, 3859501.99	1.99E-06	3.59E-08	-1.96E-06	8.38E-08	1.51E-09	-8.23E-08	1.25E-07	2.26E-09	-1.23E-07
2043	495361.06, 3859501.99	2.00E-06	3.60E-08	-1.96E-06	8.40E-08	1.51E-09	-8.25E-08	1.26E-07	2.27E-09	-1.24E-07
2044	495411.06, 3859501.99	2.00E-06	3.61E-08	-1.97E-06	8.43E-08	1.52E-09	-8.28E-08	1.26E-07	2.27E-09	-1.24E-07
2045	495461.06, 3859501.99	2.01E-06	3.61E-08	-1.97E-06	8.44E-08	1.52E-09	-8.29E-08	1.26E-07	2.28E-09	-1.24E-07
2046	495511.06, 3859501.99	1.97E-06	3.54E-08	-1.93E-06	8.28E-08	1.49E-09	-8.13E-08	1.24E-07	2.23E-09	-1.22E-07
2047	495561.06, 3859501.99	2.00E-06	3.60E-08	-1.97E-06	8.42E-08	1.52E-09	-8.27E-08	1.26E-07	2.27E-09	-1.24E-07
2048	495611.06, 3859501.99	2.00E-06	3.60E-08	-1.96E-06	8.41E-08	1.51E-09	-8.26E-08	1.26E-07	2.27E-09	-1.24E-07
2049	495661.06, 3859501.99	2.00E-06	3.60E-08	-1.96E-06	8.40E-08	1.51E-09	-8.25E-08	1.26E-07	2.27E-09	-1.24E-07
2050	494311.06, 3859551.99	2.08E-06	3.75E-08	-2.05E-06	8.76E-08	1.58E-09	-8.61E-08	1.31E-07	2.36E-09	-1.29E-07
2051	494361.06, 3859551.99	2.00E-06	3.60E-08	-1.96E-06	8.41E-08	1.51E-09	-8.26E-08	1.26E-07	2.27E-09	-1.24E-07
2052	494411.06, 3859551.99	2.00E-06	3.60E-08	-1.96E-06	8.41E-08	1.51E-09	-8.26E-08	1.26E-07	2.27E-09	-1.24E-07
2053	494461.06, 3859551.99	2.07E-06	3.73E-08	-2.03E-06	8.71E-08	1.57E-09	-8.55E-08	1.30E-07	2.35E-09	-1.28E-07
2054	494511.06, 3859551.99	2.07E-06	3.72E-08	-2.03E-06	8.69E-08	1.56E-09	-8.54E-08	1.30E-07	2.34E-09	-1.28E-07
2055	494561.06, 3859551.99	2.07E-06	3.72E-08	-2.03E-06	8.70E-08	1.57E-09	-8.55E-08	1.30E-07	2.35E-09	-1.28E-07
2056	494611.06, 3859551.99	2.08E-06	3.75E-08	-2.05E-06	8.77E-08	1.58E-09	-8.61E-08	1.31E-07	2.36E-09	-1.29E-07
2057	494661.06, 3859551.99	2.09E-06	3.77E-08	-2.06E-06	8.81E-08	1.59E-09	-8.65E-08	1.32E-07	2.37E-09	-1.29E-07
2058	494711.06, 3859551.99	2.05E-06	3.70E-08	-2.02E-06	8.64E-08	1.56E-09	-8.48E-08	1.29E-07	2.33E-09	-1.27E-07
2059	494761.06, 3859551.99	2.10E-06	3.77E-08	-2.06E-06	8.82E-08	1.59E-09	-8.66E-08	1.32E-07	2.38E-09	-1.30E-07
2060	494811.06, 3859551.99	2.07E-06	3.73E-08	-2.04E-06	8.72E-08	1.57E-09	-8.56E-08	1.31E-07	2.35E-09	-1.28E-07
2061	494861.06, 3859551.99	2.08E-06	3.74E-08	-2.04E-06	8.74E-08	1.57E-09	-8.58E-08	1.31E-07	2.36E-09	-1.29E-07
2062	494911.06, 3859551.99	2.07E-06	3.73E-08	-2.04E-06	8.72E-08	1.57E-09	-8.56E-08	1.31E-07	2.35E-09	-1.28E-07
2063	494961.06, 3859551.99	2.08E-06	3.75E-08	-2.04E-06	8.76E-08	1.58E-09	-8.60E-08	1.31E-07	2.36E-09	-1.29E-07
2064	495011.06, 3859551.99	2.10E-06	3.77E-08	-2.06E-06	8.82E-08	1.59E-09	-8.66E-08	1.32E-07	2.38E-09	-1.30E-07
2065	495061.06, 3859551.99	2.10E-06	3.78E-08	-2.06E-06	8.84E-08	1.59E-09	-8.68E-08	1.32E-07	2.38E-09	-1.30E-07
2066	495111.06, 3859551.99	2.10E-06	3.78E-08	-2.06E-06	8.84E-08	1.59E-09	-8.68E-08	1.32E-07	2.38E-09	-1.30E-07
2067	495161.06, 3859551.99	2.11E-06	3.81E-08	-2.08E-06	8.90E-08	1.60E-09	-8.74E-08	1.33E-07	2.40E-09	-1.31E-07
2068	495211.06, 3859551.99	2.13E-06	3.84E-08	-2.09E-06	8.97E-08	1.61E-09	-8.81E-08	1.34E-07	2.42E-09	-1.32E-07
2069	495261.06, 3859551.99	2.13E-06	3.84E-08	-2.09E-06	8.98E-08	1.62E-09	-8.81E-08	1.34E-07	2.42E-09	-1.32E-07
2070	495311.06, 3859551.99	2.14E-06	3.85E-08	-2.10E-06	9.00E-08	1.62E-09	-8.84E-08	1.35E-07	2.43E-09	-1.32E-07
2071	495361.06, 3859551.99	2.15E-06	3.87E-08	-2.11E-06	9.04E-08	1.63E-09	-8.88E-08	1.35E-07	2.44E-09	-1.33E-07
2072	495411.06, 3859551.99	2.16E-06	3.89E-08	-2.12E-06	9.09E-08	1.64E-09	-8.93E-08	1.36E-07	2.45E-09	-1.34E-07
2073	495461.06, 3859551.99	2.15E-06	3.88E-08	-2.11E-06	9.06E-08	1.63E-09	-8.90E-08	1.36E-07	2.44E-09	-1.33E-07
2074	495511.06, 3859551.99	2.15E-06	3.86E-08	-2.11E-06	9.03E-08	1.63E-09	-8.87E-08	1.35E-07	2.43E-09	-1.33E-07
2075	495561.06, 3859551.99	2.15E-06	3.87E-08	-2.11E-06	9.04E-08	1.63E-09	-8.87E-08	1.35E-07	2.44E-09	-1.33E-07
2076	495611.06, 3859551.99	2.15E-06	3.87E-08	-2.11E-06	9.05E-08	1.63E-09	-8.88E-08	1.35E-07	2.44E-09	-1.33E-07
2077	495661.06, 3859551.99	2.15E-06	3.87E-08	-2.11E-06	9.04E-08	1.63E-09	-8.87E-08	1.35E-07	2.44E-09	-1.33E-07
2078	494311.06, 3859601.99	2.25E-06	4.05E-08	-2.21E-06	9.46E-08	1.70E-09	-9.29E-08	1.42E-07	2.55E-09	-1.39E-07
2079	494361.06, 3859601.99	2.16E-06	3.89E-08	-2.12E-06	9.09E-08	1.64E-09	-8.93E-08	1.36E-07	2.45E-09	-1.34E-07
2080	494411.06, 3859601.99	2.18E-06	3.92E-08	-2.14E-06	9.16E-08	1.65E-09	-8.99E-08	1.37E-07	2.47E-09	-1.35E-07
2081	494461.06, 3859601.99	2.22E-06	4.00E-08	-2.18E-06	9.35E-08	1.68E-09	-9.19E-08	1.40E-07	2.52E-09	-1.38E-07
2082	494511.06, 3859601.99	2.20E-06	3.96E-08	-2.16E-06	9.26E-08	1.67E-09	-9.09E-08	1.39E-07	2.50E-09	-1.36E-07
2083	494561.06, 3859601.99	2.23E-06	4.02E-08	-2.19E-06	9.40E-08	1.69E-09	-9.23E-08	1.41E-07	2.53E-09	-1.38E-07
2084	494611.06, 3859601.99	2.25E-06	4.06E-08	-2.21E-06	9.48E-08	1.71E-09	-9.31E-08	1.42E-07	2.56E-09	-1.39E-07
2085	494661.06, 3859601.99	2.19E-06	3.94E-08	-2.15E-06	9.22E-08	1.66E-09	-9.05E-08	1.38E-07	2.48E-09	-1.36E-07
2086	494711.06, 3859601.99	2.21E-06	3.97E-08	-2.17E-06	9.28E-08	1.67E-09	-9.12E-08	1.39E-07	2.50E-09	-1.36E-07
2087	494761.06, 3859601.99	2.27E-06	4.09E-08	-2.23E-06	9.55E-08	1.72E-09	-9.38E-08	1.43E-07	2.57E-09	-1.40E-07
2088	494811.06, 3859601.99	2.24E-06	4.03E-08	-2.20E-06	9.43E-08	1.70E-09	-9.26E-08	1.41E-07	2.54E-09	-1.39E-07
2089	494861.06, 3859601.99	2.25E-06	4.04E-08	-2.21E-06	9.45E-08	1.70E-09	-9.28E-08	1.42E-07	2.55E-09	-1.39E-07
2090	494911.06, 3859601.99	2.23E-06	4.02E-08	-2.19E-06	9.38E-08	1.69E-09	-9.22E-08	1.41E-07	2.53E-09	-1.38E-07
2091	494961.06, 3859601.99	2.26E-06	4.08E-08	-2.22E-06	9.52E-08	1.71E-09	-9.35E-08	1.43E-07	2.57E-09	-1.40E-07
2092	495011.06, 3859601.99	2.25E-06	4.04E-08	-2.20E-06	9.45E-08	1.70E-09	-9.28E-08	1.41E-07	2.55E-09	-1.39E-07
2093	495061.06, 3859601.99	2.27E-06	4.09E-08	-2.23E-06	9.55E-08	1.72E-09	-9.38E-08	1.43E-07	2.57E-09	-1.40E-07
2094	495111.06, 3859601.99	2.27E-06	4.08E-08	-2.22E-06	9.53E-08	1.72E-09	-9.36E-08	1.43E-07	2.57E-09	-1.40E-07
2095	495161.06, 3859601.99	2.28E-06	4.11E-08	-2.24E-06	9.61E-08	1.73E-09	-9.44E-08	1.44E-07	2.59E-09	-1.41E-07
2096	495211.06, 3859601.99	2.29E-06	4.13E-08	-2.25E-06	9.64E-08	1.74E-09	-9.47E-08	1.44E-07	2.60E-09	-1.42E-07
2097	495261.06, 3859601.99	2.31E-06	4.15E-08	-2.26E-06	9.70E-08	1.75E-09	-9.52E-08	1.45E-07	2.61E-09	-1.43E-07
2098	495311.06, 3859601.99	2.32E-06	4.17E-08	-2.28E-06	9.75E-08	1.76E-09	-9.58E-08	1.46E-07	2.63E-09	-1.43E-07
2099	495361.06, 3859601.99	2.32E-06	4.18E-08	-2.28E-06	9.78E-08	1.76E-09	-9.60E-08	1.46E-07	2.64E-09	-1.44E-07
2100	495411.06, 3859601.99	2.34E-06	4.20E-08	-2.29E-06	9.83E-08	1.77E-09	-9.65E-08	1.47E-07	2.65E-09	-1.44E-07
2101	495461.06, 3859601.99	2.32E-06	4.18E-08	-2.28E-06	9.76E-08	1.76E-09	-9.58E-08	1.46E-07	2.63E-09	-1.43E-07
2102	495511.06, 3859601.99	2.31E-06	4.15E-08	-2.27E-06	9.70E-08	1.75E-09	-9.53E-08	1.45E-07	2.62E-09	-1.43E-07
2103	495561.06, 3859601.99	2.32E-06	4.18E-08	-2.28E-06	9.77E-08	1.76E-09	-9.59E-08	1.46E-07	2.63E-09	-1.44E-07
2104	495611.06, 3859601.99	2.31E-06	4.15E-08	-2.26E-06	9.70E-08	1.75E-09	-9.52E-08	1.45E-07	2.61E-09	-1.43E-07
2105	495661.06, 3859601.99	2.32E-06	4.17E-08	-2.27E-06	9.74E-08	1.75E-09	-9.57E-08	1.46E-07	2.63E-09	-1.43E-07
2106	494311.06, 3859651.99	2.40E-06	4.32E-08	-2.35E-06	1.01E-07	1.82E-09	-9.90E-08	1.51E-07	2.72E-09	-1.48E-07
2107	494361.06, 3859651.99	2.34E-06	4.21E-08	-2.30E-06	9.84E-08	1.77E-09	-9.66E-08	1.47E-07	2.65E-09	-1.45E-07
2108	494411.06, 3859651.99	2.35E-06	4.23E-08	-2.31E-06	9.89E-08	1.78E-09	-9.71E-08	1.48E-07	2.66E-09	-1.45E-07
2109	494461.06, 3859651.99	2.40E-06	4.32E-08	-2.36E-06	1.01E-07	1.82E-09	-9.92E-08	1.51E-07	2.72E-09	-1.49E-07
2110	494511.06, 3859651.99	2.40E-06	4.33E-08	-2.36E-06	1.01E-07	1.82E-09	-9.93E-08	1.51E-07	2.73E-09	-1.49E-07
2111	494561.06, 3859651.99	2.42E-06	4.35E-08	-2.37E-06	1.02E-07	1.83E-09	-9.99E-08	1.52E-07	2.74E-09	-1.50E-07
2112	494611.06, 3859651.99	2.43E-06	4.38E-08	-2.39E-06	1.02E-07	1.84E-09	-1.00E-07	1.53E-07	2.76E-09	-1.50E-07
2113	494661.06, 3859651.99	2.33E-06	4.20E-08	-2.29E-06	9.81E-08	1.77E-09	-9.64E-08	1.47E-07	2.65E-09	-1.44E-07
2114	494711.06, 3859651.99	2.35E-06	4.24E-08	-2.31E-06	9.90E-08	1.78E-09	-9.73E-08	1.48E-07	2.67E-09	-1.46E-07
2115	494761.06, 3859651.99	2.43E-06	4.38E-08	-2.39E-06	1.02E-07	1.84E-09	-1.01E-07	1.53E-07	2.76E-09	-1.50E-07
2116	494811.06, 3859651.99	2.42E-06	4.36E-08	-2.38E-06	1.02E-07	1.84E-09	-1.00E-07	1.53E-07	2.75E-09	-1.50E-07
2117	494861.06, 3859651.99	2.44E-06	4.39E-08	-2.39E-06	1.03E-07	1.85E-09	-1.01E-07	1.54E-07	2.76E-09	-1.51E-07
2118	494911.06, 3859651.99	2.44E-06	4.39E-08	-2.39E-06	1.02E-07	1.84E-09	-1.01E-07	1.53E-07	2.76E-09	-1.51E-07
2119	494961.06, 3859651.99	2.44E-06	4.40E-08	-2.40E-06	1.03E-07	1.85E-09	-1.01E-07	1.54E-07	2.77E-09	-1.51E-07
2120	495011.06, 3859651.99	2.45E-06	4.41E-08	-2.40E-06	1.03E-07	1.85E-09	-1.01E-07	1.54E-07	2.78E-09	-1.51E-07
2121	495061.06, 3859651.99	2.46E-06	4.44E-08	-2.42E-06	1.04E-07	1.87E-09	-1.02E-07	1.55E-07	2.79E-09	-1.52E-07
2122	495111.06, 3859651.99	2.46E-06	4.44E-08	-2.42E-06	1.04E-07	1.87E-09	-1.02E-07	1.55E-07	2.79E-09	-1.52E-07
2123	495161.06, 3859651.99	2.47E-06	4.45E-08	-2.43E-06	1.04E-07	1.87E-09	-1.02E-07	1.56E-07	2.81E-09	-1.53E-07
2124	495211.06, 3859651.99	2.49E-06	4.48E-08	-2.45E-06	1.05E-07	1.89E-09	-1.03E-07	1.57E-07	2.82E-09	-1.54E-07
2125	495261.06, 3859651.99	2.50E-06	4.49E-08	-2.45E-06	1.05E-07	1.89E-09	-1.03E-07	1.57E-07	2.83E-09	-1.54E-07
2126	495311.06, 3859651.99	2.51E-06	4.51E-08	-2.46E-06	1.05E-07	1.90E-09	-1.04E-07	1.58E-07	2.84E-09	-1.55E-07
2127	495361.06, 3859651.99	2.52E-06	4.53E-08	-2.47E-06	1.06E-07	1.91E-09	-1.04E-07	1.59E-07	2.86E-09	-1.56E-07
2128	495411.06, 3859651.99	2.52E-06	4.54E-08	-2.48E-06	1.06E-07	1.91E-09	-1.04E-07	1.59E-07	2.86E-09	-1.56E-07
2129	495461.06, 3859651.99	2.50E-06	4.51E-08	-2.46E-06	1.05E-07	1.90E-09	-1.03E-07	1.58E-07	2.84E-09	-1.55E-07
2130	495511.06, 3859651.99	2.49E-06	4.49E-08	-2.45E-06	1.05E-07	1.89E-09	-1.03E-07	1.57E-07	2.83E-09	-1.54E-07
2131	495561.06, 3859651.99	2.50E-06	4.50E-08	-2.46E-06	1.05E-07	1.89E-09	-1.03E-07	1.58E-07	2.84E-09	-1.55E-07
2132	495611.06, 3859651.99	2.50E-06	4.50E-08	-2.46E-06	1.05E-07	1.89E-09	-1.03E-07	1.58E-07	2.84E-09	-1.55E-07
2133	495661.06, 3859651.99	2.50E-06	4.50E-08	-2.46E-06	1.05E-07	1.89E-09	-1.03E-07	1.57E-07	2.84E-09	-1.55E-07
2134	494311.06, 3859701.99	2.45E-06	4.41E-08	-2.40E-06	1.03E-07	1.85E-09	-1.01E-07	1.54E-07	2.78E-09	-1.51E-07
2135	494361.06, 3859701.99	2.49E-06	4.49E-08	-2.45E-06	1.05E-07	1.89E-09	-1.03E-07	1.57E-07	2.83E-09	-1.54E-07
2136	494411.06, 3859701.99	2.52E-06	4.54E-08	-2.48E-06	1.06E-07	1.91E-09	-1.04E-07	1.59E-07	2.86E-09	-1.56E-07

2137	494461.06, 3859701.99	2.60E-06	4.68E-08	-2.55E-06	1.09E-07	1.97E-09	-1.07E-07	1.64E-07	2.95E-09	-1.61E-07
2138	494511.06, 3859701.99	2.61E-06	4.69E-08	-2.56E-06	1.10E-07	1.97E-09	-1.08E-07	1.64E-07	2.96E-09	-1.61E-07
2139	494561.06, 3859701.99	2.63E-06	4.73E-08	-2.58E-06	1.10E-07	1.99E-09	-1.08E-07	1.65E-07	2.98E-09	-1.62E-07
2140	494611.06, 3859701.99	2.64E-06	4.76E-08	-2.60E-06	1.11E-07	2.00E-09	-1.09E-07	1.67E-07	3.00E-09	-1.64E-07
2141	494661.06, 3859701.99	2.58E-06	4.65E-08	-2.53E-06	1.09E-07	1.95E-09	-1.07E-07	1.63E-07	2.93E-09	-1.60E-07
2142	494711.06, 3859701.99	2.62E-06	4.72E-08	-2.57E-06	1.10E-07	1.98E-09	-1.08E-07	1.65E-07	2.97E-09	-1.62E-07
2143	494761.06, 3859701.99	2.62E-06	4.72E-08	-2.57E-06	1.10E-07	1.98E-09	-1.08E-07	1.65E-07	2.97E-09	-1.62E-07
2144	494811.06, 3859701.99	2.61E-06	4.71E-08	-2.57E-06	1.10E-07	1.98E-09	-1.08E-07	1.65E-07	2.97E-09	-1.62E-07
2145	494861.06, 3859701.99	2.65E-06	4.77E-08	-2.60E-06	1.12E-07	2.01E-09	-1.10E-07	1.67E-07	3.01E-09	-1.64E-07
2146	494911.06, 3859701.99	2.65E-06	4.77E-08	-2.60E-06	1.12E-07	2.01E-09	-1.10E-07	1.67E-07	3.01E-09	-1.64E-07
2147	494961.06, 3859701.99	2.65E-06	4.77E-08	-2.60E-06	1.11E-07	2.01E-09	-1.09E-07	1.67E-07	3.00E-09	-1.64E-07
2148	495011.06, 3859701.99	2.67E-06	4.80E-08	-2.62E-06	1.12E-07	2.02E-09	-1.10E-07	1.68E-07	3.03E-09	-1.65E-07
2149	495061.06, 3859701.99	2.68E-06	4.82E-08	-2.63E-06	1.13E-07	2.03E-09	-1.11E-07	1.69E-07	3.04E-09	-1.66E-07
2150	495111.06, 3859701.99	2.68E-06	4.83E-08	-2.64E-06	1.13E-07	2.03E-09	-1.11E-07	1.69E-07	3.04E-09	-1.66E-07
2151	495161.06, 3859701.99	2.69E-06	4.84E-08	-2.64E-06	1.13E-07	2.03E-09	-1.11E-07	1.69E-07	3.05E-09	-1.66E-07
2152	495211.06, 3859701.99	2.69E-06	4.84E-08	-2.64E-06	1.13E-07	2.03E-09	-1.11E-07	1.69E-07	3.05E-09	-1.66E-07
2153	495261.06, 3859701.99	2.72E-06	4.89E-08	-2.67E-06	1.14E-07	2.06E-09	-1.12E-07	1.71E-07	3.08E-09	-1.68E-07
2154	495311.06, 3859701.99	2.72E-06	4.89E-08	-2.67E-06	1.14E-07	2.06E-09	-1.12E-07	1.71E-07	3.08E-09	-1.68E-07
2155	495361.06, 3859701.99	2.72E-06	4.89E-08	-2.67E-06	1.14E-07	2.06E-09	-1.12E-07	1.71E-07	3.08E-09	-1.68E-07
2156	495411.06, 3859701.99	2.71E-06	4.88E-08	-2.66E-06	1.14E-07	2.05E-09	-1.12E-07	1.71E-07	3.07E-09	-1.68E-07
2157	495461.06, 3859701.99	2.71E-06	4.87E-08	-2.66E-06	1.14E-07	2.05E-09	-1.12E-07	1.70E-07	3.07E-09	-1.67E-07
2158	495511.06, 3859701.99	2.68E-06	4.82E-08	-2.63E-06	1.13E-07	2.03E-09	-1.11E-07	1.69E-07	3.04E-09	-1.66E-07
2159	495561.06, 3859701.99	2.71E-06	4.87E-08	-2.66E-06	1.14E-07	2.05E-09	-1.12E-07	1.70E-07	3.07E-09	-1.67E-07
2160	495611.06, 3859701.99	2.71E-06	4.88E-08	-2.66E-06	1.14E-07	2.05E-09	-1.12E-07	1.71E-07	3.07E-09	-1.68E-07
2161	495661.06, 3859701.99	2.71E-06	4.88E-08	-2.66E-06	1.14E-07	2.05E-09	-1.12E-07	1.71E-07	3.07E-09	-1.68E-07
2162	494311.06, 3859751.99	2.72E-06	4.90E-08	-2.67E-06	1.15E-07	2.06E-09	-1.13E-07	1.72E-07	3.09E-09	-1.68E-07
2163	494361.06, 3859751.99	2.73E-06	4.92E-08	-2.68E-06	1.15E-07	2.07E-09	-1.13E-07	1.72E-07	3.10E-09	-1.69E-07
2164	494411.06, 3859751.99	2.74E-06	4.92E-08	-2.69E-06	1.15E-07	2.07E-09	-1.13E-07	1.72E-07	3.10E-09	-1.69E-07
2165	494461.06, 3859751.99	2.81E-06	5.05E-08	-2.75E-06	1.18E-07	2.12E-09	-1.16E-07	1.77E-07	3.18E-09	-1.74E-07
2166	494511.06, 3859751.99	2.85E-06	5.13E-08	-2.80E-06	1.20E-07	2.16E-09	-1.18E-07	1.80E-07	3.23E-09	-1.76E-07
2167	494561.06, 3859751.99	2.86E-06	5.15E-08	-2.81E-06	1.20E-07	2.16E-09	-1.18E-07	1.80E-07	3.24E-09	-1.77E-07
2168	494611.06, 3859751.99	2.85E-06	5.13E-08	-2.80E-06	1.20E-07	2.16E-09	-1.18E-07	1.80E-07	3.23E-09	-1.76E-07
2169	494661.06, 3859751.99	2.74E-06	4.92E-08	-2.69E-06	1.15E-07	2.07E-09	-1.13E-07	1.72E-07	3.10E-09	-1.69E-07
2170	494711.06, 3859751.99	2.86E-06	5.14E-08	-2.81E-06	1.20E-07	2.16E-09	-1.18E-07	1.80E-07	3.24E-09	-1.77E-07
2171	494761.06, 3859751.99	2.88E-06	5.19E-08	-2.83E-06	1.21E-07	2.18E-09	-1.19E-07	1.82E-07	3.27E-09	-1.78E-07
2172	494811.06, 3859751.99	2.88E-06	5.19E-08	-2.83E-06	1.21E-07	2.18E-09	-1.19E-07	1.82E-07	3.27E-09	-1.78E-07
2173	494861.06, 3859751.99	2.89E-06	5.21E-08	-2.84E-06	1.22E-07	2.19E-09	-1.20E-07	1.82E-07	3.28E-09	-1.79E-07
2174	494911.06, 3859751.99	2.90E-06	5.23E-08	-2.85E-06	1.22E-07	2.20E-09	-1.20E-07	1.83E-07	3.29E-09	-1.80E-07
2175	494961.06, 3859751.99	2.91E-06	5.24E-08	-2.86E-06	1.22E-07	2.21E-09	-1.20E-07	1.83E-07	3.30E-09	-1.80E-07
2176	495011.06, 3859751.99	2.92E-06	5.25E-08	-2.86E-06	1.23E-07	2.21E-09	-1.20E-07	1.84E-07	3.31E-09	-1.80E-07
2177	495061.06, 3859751.99	2.94E-06	5.29E-08	-2.88E-06	1.24E-07	2.22E-09	-1.21E-07	1.85E-07	3.33E-09	-1.82E-07
2178	495111.06, 3859751.99	2.94E-06	5.30E-08	-2.89E-06	1.24E-07	2.23E-09	-1.22E-07	1.85E-07	3.34E-09	-1.82E-07
2179	495161.06, 3859751.99	2.94E-06	5.30E-08	-2.89E-06	1.24E-07	2.23E-09	-1.22E-07	1.85E-07	3.34E-09	-1.82E-07
2180	495211.06, 3859751.99	2.94E-06	5.29E-08	-2.89E-06	1.24E-07	2.23E-09	-1.21E-07	1.85E-07	3.33E-09	-1.82E-07
2181	495261.06, 3859751.99	2.95E-06	5.32E-08	-2.90E-06	1.24E-07	2.24E-09	-1.22E-07	1.86E-07	3.35E-09	-1.83E-07
2182	495311.06, 3859751.99	2.96E-06	5.32E-08	-2.90E-06	1.24E-07	2.24E-09	-1.22E-07	1.86E-07	3.35E-09	-1.83E-07
2183	495361.06, 3859751.99	2.96E-06	5.33E-08	-2.91E-06	1.24E-07	2.24E-09	-1.22E-07	1.86E-07	3.36E-09	-1.83E-07
2184	495411.06, 3859751.99	2.96E-06	5.33E-08	-2.91E-06	1.25E-07	2.24E-09	-1.22E-07	1.87E-07	3.36E-09	-1.83E-07
2185	495461.06, 3859751.99	2.94E-06	5.30E-08	-2.89E-06	1.24E-07	2.23E-09	-1.22E-07	1.85E-07	3.34E-09	-1.82E-07
2186	495511.06, 3859751.99	2.93E-06	5.27E-08	-2.87E-06	1.23E-07	2.22E-09	-1.21E-07	1.84E-07	3.32E-09	-1.81E-07
2187	495561.06, 3859751.99	2.93E-06	5.27E-08	-2.88E-06	1.23E-07	2.22E-09	-1.21E-07	1.84E-07	3.32E-09	-1.81E-07
2188	495611.06, 3859751.99	2.93E-06	5.28E-08	-2.88E-06	1.23E-07	2.22E-09	-1.21E-07	1.85E-07	3.32E-09	-1.81E-07
2189	495661.06, 3859751.99	2.94E-06	5.30E-08	-2.89E-06	1.24E-07	2.23E-09	-1.22E-07	1.85E-07	3.34E-09	-1.82E-07
2190	494311.06, 3859801.99	3.00E-06	5.39E-08	-2.94E-06	1.26E-07	2.27E-09	-1.24E-07	1.89E-07	3.40E-09	-1.85E-07
2191	494361.06, 3859801.99	2.98E-06	5.37E-08	-2.93E-06	1.25E-07	2.26E-09	-1.23E-07	1.88E-07	3.38E-09	-1.84E-07
2192	494411.06, 3859801.99	2.96E-06	5.33E-08	-2.91E-06	1.25E-07	2.24E-09	-1.22E-07	1.87E-07	3.36E-09	-1.83E-07
2193	494461.06, 3859801.99	3.03E-06	5.46E-08	-2.98E-06	1.28E-07	2.30E-09	-1.25E-07	1.91E-07	3.44E-09	-1.88E-07
2194	494511.06, 3859801.99	3.11E-06	5.60E-08	-3.06E-06	1.31E-07	2.36E-09	-1.29E-07	1.96E-07	3.53E-09	-1.93E-07
2195	494561.06, 3859801.99	3.12E-06	5.62E-08	-3.07E-06	1.31E-07	2.37E-09	-1.29E-07	1.97E-07	3.54E-09	-1.93E-07
2196	494611.06, 3859801.99	3.08E-06	5.54E-08	-3.02E-06	1.29E-07	2.33E-09	-1.27E-07	1.94E-07	3.49E-09	-1.90E-07
2197	494661.06, 3859801.99	3.08E-06	5.55E-08	-3.03E-06	1.30E-07	2.34E-09	-1.27E-07	1.94E-07	3.50E-09	-1.91E-07
2198	494711.06, 3859801.99	3.08E-06	5.54E-08	-3.02E-06	1.30E-07	2.33E-09	-1.27E-07	1.94E-07	3.49E-09	-1.90E-07
2199	494761.06, 3859801.99	3.15E-06	5.67E-08	-3.10E-06	1.33E-07	2.39E-09	-1.30E-07	1.99E-07	3.57E-09	-1.95E-07
2200	494811.06, 3859801.99	3.16E-06	5.68E-08	-3.10E-06	1.33E-07	2.39E-09	-1.30E-07	1.99E-07	3.58E-09	-1.95E-07
2201	494861.06, 3859801.99	3.18E-06	5.72E-08	-3.12E-06	1.34E-07	2.41E-09	-1.31E-07	2.00E-07	3.60E-09	-1.97E-07
2202	494911.06, 3859801.99	3.17E-06	5.70E-08	-3.11E-06	1.33E-07	2.40E-09	-1.31E-07	2.00E-07	3.59E-09	-1.96E-07
2203	494961.06, 3859801.99	3.18E-06	5.72E-08	-3.12E-06	1.34E-07	2.41E-09	-1.31E-07	2.00E-07	3.60E-09	-1.96E-07
2204	495011.06, 3859801.99	3.18E-06	5.73E-08	-3.12E-06	1.34E-07	2.41E-09	-1.31E-07	2.00E-07	3.61E-09	-1.97E-07
2205	495061.06, 3859801.99	3.20E-06	5.76E-08	-3.14E-06	1.35E-07	2.42E-09	-1.32E-07	2.02E-07	3.63E-09	-1.98E-07
2206	495111.06, 3859801.99	3.20E-06	5.76E-08	-3.14E-06	1.35E-07	2.42E-09	-1.32E-07	2.01E-07	3.63E-09	-1.98E-07
2207	495161.06, 3859801.99	3.20E-06	5.76E-08	-3.14E-06	1.35E-07	2.42E-09	-1.32E-07	2.01E-07	3.63E-09	-1.98E-07
2208	495211.06, 3859801.99	3.21E-06	5.79E-08	-3.16E-06	1.35E-07	2.43E-09	-1.33E-07	2.02E-07	3.64E-09	-1.99E-07
2209	495261.06, 3859801.99	3.21E-06	5.78E-08	-3.15E-06	1.35E-07	2.43E-09	-1.33E-07	2.02E-07	3.64E-09	-1.99E-07
2210	495311.06, 3859801.99	3.23E-06	5.81E-08	-3.17E-06	1.36E-07	2.44E-09	-1.33E-07	2.03E-07	3.66E-09	-2.00E-07
2211	495361.06, 3859801.99	3.23E-06	5.81E-08	-3.17E-06	1.36E-07	2.44E-09	-1.33E-07	2.03E-07	3.66E-09	-2.00E-07
2212	495411.06, 3859801.99	3.21E-06	5.78E-08	-3.15E-06	1.35E-07	2.43E-09	-1.33E-07	2.02E-07	3.64E-09	-1.99E-07
2213	495461.06, 3859801.99	3.21E-06	5.78E-08	-3.15E-06	1.35E-07	2.43E-09	-1.33E-07	2.02E-07	3.64E-09	-1.99E-07
2214	495511.06, 3859801.99	3.19E-06	5.73E-08	-3.13E-06	1.34E-07	2.41E-09	-1.32E-07	2.01E-07	3.61E-09	-1.97E-07
2215	495561.06, 3859801.99	3.19E-06	5.75E-08	-3.13E-06	1.34E-07	2.42E-09	-1.32E-07	2.01E-07	3.62E-09	-1.97E-07
2216	495611.06, 3859801.99	3.22E-06	5.79E-08	-3.16E-06	1.35E-07	2.44E-09	-1.33E-07	2.03E-07	3.65E-09	-1.99E-07
2217	495661.06, 3859801.99	3.20E-06	5.77E-08	-3.14E-06	1.35E-07	2.43E-09	-1.32E-07	2.02E-07	3.63E-09	-1.98E-07
2218	494311.06, 3859851.99	3.27E-06	5.89E-08	-3.21E-06	1.38E-07	2.48E-09	-1.35E-07	2.06E-07	3.71E-09	-2.03E-07
2219	494361.06, 3859851.99	3.27E-06	5.89E-08	-3.21E-06	1.38E-07	2.48E-09	-1.35E-07	2.06E-07	3.71E-09	-2.02E-07
2220	494411.06, 3859851.99	3.26E-06	5.87E-08	-3.20E-06	1.37E-07	2.47E-09	-1.35E-07	2.05E-07	3.70E-09	-2.02E-07
2221	494461.06, 3859851.99	3.28E-06	5.90E-08	-3.22E-06	1.38E-07	2.48E-09	-1.35E-07	2.06E-07	3.71E-09	-2.03E-07
2222	494511.06, 3859851.99	3.34E-06	6.01E-08	-3.28E-06	1.40E-07	2.53E-09	-1.38E-07	2.10E-07	3.78E-09	-2.06E-07
2223	494561.06, 3859851.99	3.41E-06	6.14E-08	-3.35E-06	1.43E-07	2.58E-09	-1.41E-07	2.15E-07	3.87E-09	-2.11E-07
2224	494611.06, 3859851.99	3.34E-06	6.02E-08	-3.28E-06	1.41E-07	2.53E-09	-1.38E-07	2.11E-07	3.79E-09	-2.07E-07
2225	494661.06, 3859851.99	3.40E-06	6.11E-08	-3.33E-06	1.43E-07	2.57E-09	-1.40E-07	2.14E-07	3.85E-09	-2.10E-07
2226	494711.06, 3859851.99	3.37E-06	6.07E-08	-3.31E-06	1.42E-07	2.55E-09	-1.39E-07	2.12E-07	3.83E-09	-2.09E-07
2227	494761.06, 3859851.99	3.45E-06	6.21E-08	-3.39E-06	1.45E-07	2.61E-09	-1.42E-07	2.17E-07	3.91E-09	-2.13E-07
2228	494811.06, 3859851.99	3.46E-06	6.22E-08	-3.40E-06	1.45E-07	2.62E-09	-1.43E-07	2.18E-07	3.92E-09	-2.14E-07
2229	494861.06, 3859851.99	3.49E-06	6.28E-08	-3.43E-06	1.47E-07	2.64E-09	-1.44E-07	2.20E-07	3.96E-09	-2.16E-07
2230	494911.06, 3859851.99	3.48E-06	6.27E-08	-3.42E-06	1.46E-07	2.64E-09	-1.44E-07	2.19E-07	3.95E-09	-2.15E-07
2231	494961.06, 3859851.99	3.49E-06	6.28E-08	-3.43E-06	1.47E-07	2.64E-09	-1.44E-07	2.20E-07	3.96E-09	-2.16E-07
2232	495011.06, 3859851.99	3.50E-06	6.30E-08	-3.44E-06	1.47E-07	2.65E-09	-1.45E-07	2.20E-07	3.97E-09	-2.16E-07
2233	495061.06, 3859851.99	3.52E-06	6.34E-08	-3.46E-06	1.48E-07	2.67E-09	-1.45E-07	2.22E-07	3.99E-09	-2.18E-07
2234	495111.06, 3859851.99	3.51E-06	6.32E-08	-3.45E-06	1.48E-07	2.66E-09	-1.45E-07	2.21E-07	3.98E-09	-2.17E-07
2235	495161.06, 3859851.99	3.51E-06	6.32E-08	-3.45E-06	1.48E-07	2.66E-09	-1.45E-07	2.21E-07	3.98E-09	-2.17E-07
2236	495211.06, 3859851.99	3.52E-06	6.34E-08	-3.46E-06	1.48E-07	2.67E-09	-1.45E-07	2.22E-07	3.99E-09	-2.18E-07
2237	495261.06, 3859851.99	3.52E-06	6.34E-08	-3.46E-06	1.48E-07	2.67E-09	-1.45E-07	2.22E-07	3.99E-09	-2.18E-07
2238	495311.06, 3859851.99	3.53E-06	6.36E-08	-3.47E-06	1.49E-07	2.68E-09	-1.46E-07	2.23E-07	4.01E-09	-2.19E-07
2239	495361.06, 3859851.99	3.54E-06	6.37E-08	-3.47E-06	1.49E-07	2.68E-09	-1.46E-07	2.23E-07	4.01E-09	-2.19E-07
2240	495411.06, 3859851.99	3.52E-06	6.34E-08	-3.46E-06	1.48E-07	2.67E-09	-1.45E-07	2.22E-07	3.99E-09	-2.18E-07
2241	495461.06, 3859851.99	3.51E-06	6.32E-08	-3.45E-06	1.48E-07	2.66E-09	-1.45E-07	2.21E-07	3.98E-09	-2.17E-07
2242	495511.06, 3859851.99	3.49E-06	6.28E-08	-3.42E-06	1.47E-07	2.64E-09	-1.44E-07	2.20E-07	3.96E-09	-2.16E-07
2243	495561.06, 3859851.99	3.50E-06	6.31E-08	-3.44E-06	1.47E-07	2.65E-09	-1.45E-07	2.21E-07	3.97E-09	-2.17E-07

2244	495611.06, 3859851.99	3.51E-06	6.32E-08	-3.45E-06	1.48E-07	2.66E-09	-1.45E-07	2.21E-07	3.98E-09	-2.17E-07
2245	495661.06, 3859851.99	3.49E-06	6.29E-08	-3.43E-06	1.47E-07	2.65E-09	-1.44E-07	2.20E-07	3.96E-09	-2.16E-07
2246	494311.06, 3859901.99	3.58E-06	6.45E-08	-3.52E-06	1.51E-07	2.72E-09	-1.48E-07	2.26E-07	4.07E-09	-2.22E-07
2247	494361.06, 3859901.99	3.53E-06	6.36E-08	-3.47E-06	1.49E-07	2.67E-09	-1.46E-07	2.22E-07	4.01E-09	-2.18E-07
2248	494411.06, 3859901.99	3.58E-06	6.45E-08	-3.52E-06	1.51E-07	2.72E-09	-1.48E-07	2.26E-07	4.07E-09	-2.22E-07
2249	494461.06, 3859901.99	3.60E-06	6.48E-08	-3.54E-06	1.51E-07	2.73E-09	-1.49E-07	2.27E-07	4.08E-09	-2.23E-07
2250	494511.06, 3859901.99	3.64E-06	6.56E-08	-3.58E-06	1.53E-07	2.76E-09	-1.50E-07	2.29E-07	4.13E-09	-2.25E-07
2251	494561.06, 3859901.99	3.75E-06	6.75E-08	-3.68E-06	1.58E-07	2.84E-09	-1.55E-07	2.36E-07	4.25E-09	-2.32E-07
2252	494611.06, 3859901.99	3.66E-06	6.59E-08	-3.60E-06	1.54E-07	2.77E-09	-1.51E-07	2.31E-07	4.15E-09	-2.27E-07
2253	494661.06, 3859901.99	3.76E-06	6.76E-08	-3.69E-06	1.58E-07	2.85E-09	-1.55E-07	2.37E-07	4.26E-09	-2.32E-07
2254	494711.06, 3859901.99	3.68E-06	6.63E-08	-3.61E-06	1.55E-07	2.79E-09	-1.52E-07	2.32E-07	4.17E-09	-2.28E-07
2255	494761.06, 3859901.99	3.75E-06	6.75E-08	-3.68E-06	1.58E-07	2.84E-09	-1.55E-07	2.36E-07	4.25E-09	-2.32E-07
2256	494811.06, 3859901.99	3.81E-06	6.86E-08	-3.74E-06	1.60E-07	2.89E-09	-1.58E-07	2.40E-07	4.32E-09	-2.36E-07
2257	494861.06, 3859901.99	3.85E-06	6.92E-08	-3.78E-06	1.62E-07	2.91E-09	-1.59E-07	2.42E-07	4.36E-09	-2.38E-07
2258	494911.06, 3859901.99	3.83E-06	6.89E-08	-3.76E-06	1.61E-07	2.90E-09	-1.58E-07	2.41E-07	4.34E-09	-2.37E-07
2259	494961.06, 3859901.99	3.85E-06	6.94E-08	-3.78E-06	1.62E-07	2.92E-09	-1.59E-07	2.43E-07	4.37E-09	-2.38E-07
2260	495011.06, 3859901.99	3.85E-06	6.93E-08	-3.78E-06	1.62E-07	2.92E-09	-1.59E-07	2.43E-07	4.37E-09	-2.38E-07
2261	495061.06, 3859901.99	3.86E-06	6.95E-08	-3.79E-06	1.62E-07	2.92E-09	-1.59E-07	2.43E-07	4.38E-09	-2.39E-07
2262	495111.06, 3859901.99	3.84E-06	6.92E-08	-3.77E-06	1.62E-07	2.91E-09	-1.59E-07	2.42E-07	4.36E-09	-2.38E-07
2263	495161.06, 3859901.99	3.84E-06	6.91E-08	-3.77E-06	1.61E-07	2.91E-09	-1.58E-07	2.42E-07	4.35E-09	-2.37E-07
2264	495211.06, 3859901.99	3.87E-06	6.96E-08	-3.80E-06	1.63E-07	2.93E-09	-1.60E-07	2.44E-07	4.38E-09	-2.39E-07
2265	495261.06, 3859901.99	3.84E-06	6.91E-08	-3.77E-06	1.61E-07	2.91E-09	-1.59E-07	2.42E-07	4.35E-09	-2.37E-07
2266	495311.06, 3859901.99	3.86E-06	6.95E-08	-3.79E-06	1.63E-07	2.93E-09	-1.60E-07	2.43E-07	4.38E-09	-2.39E-07
2267	495361.06, 3859901.99	3.86E-06	6.94E-08	-3.79E-06	1.62E-07	2.92E-09	-1.59E-07	2.43E-07	4.37E-09	-2.39E-07
2268	495411.06, 3859901.99	3.84E-06	6.91E-08	-3.77E-06	1.61E-07	2.91E-09	-1.58E-07	2.42E-07	4.35E-09	-2.37E-07
2269	495461.06, 3859901.99	3.83E-06	6.89E-08	-3.76E-06	1.61E-07	2.90E-09	-1.58E-07	2.41E-07	4.34E-09	-2.37E-07
2270	495511.06, 3859901.99	3.84E-06	6.91E-08	-3.77E-06	1.61E-07	2.91E-09	-1.59E-07	2.42E-07	4.35E-09	-2.37E-07
2271	495561.06, 3859901.99	3.85E-06	6.93E-08	-3.78E-06	1.62E-07	2.92E-09	-1.59E-07	2.43E-07	4.37E-09	-2.38E-07
2272	495611.06, 3859901.99	3.83E-06	6.90E-08	-3.76E-06	1.61E-07	2.90E-09	-1.58E-07	2.41E-07	4.35E-09	-2.37E-07
2273	495661.06, 3859901.99	3.81E-06	6.86E-08	-3.74E-06	1.60E-07	2.89E-09	-1.57E-07	2.40E-07	4.32E-09	-2.36E-07
2274	494311.06, 3859951.99	3.97E-06	7.14E-08	-3.89E-06	1.67E-07	3.00E-09	-1.64E-07	2.50E-07	4.50E-09	-2.45E-07
2275	494361.06, 3859951.99	3.95E-06	7.11E-08	-3.88E-06	1.66E-07	2.99E-09	-1.63E-07	2.49E-07	4.48E-09	-2.44E-07
2276	494411.06, 3859951.99	3.95E-06	7.11E-08	-3.88E-06	1.66E-07	2.99E-09	-1.63E-07	2.49E-07	4.48E-09	-2.44E-07
2277	494461.06, 3859951.99	3.96E-06	7.14E-08	-3.89E-06	1.67E-07	3.00E-09	-1.64E-07	2.50E-07	4.50E-09	-2.45E-07
2278	494511.06, 3859951.99	4.01E-06	7.23E-08	-3.94E-06	1.69E-07	3.04E-09	-1.66E-07	2.53E-07	4.55E-09	-2.48E-07
2279	494561.06, 3859951.99	4.17E-06	7.50E-08	-4.09E-06	1.75E-07	3.15E-09	-1.72E-07	2.62E-07	4.72E-09	-2.58E-07
2280	494611.06, 3859951.99	4.08E-06	7.34E-08	-4.00E-06	1.71E-07	3.09E-09	-1.68E-07	2.57E-07	4.62E-09	-2.52E-07
2281	494661.06, 3859951.99	4.18E-06	7.52E-08	-4.10E-06	1.76E-07	3.16E-09	-1.73E-07	2.63E-07	4.74E-09	-2.58E-07
2282	494711.06, 3859951.99	4.11E-06	7.40E-08	-4.04E-06	1.73E-07	3.11E-09	-1.70E-07	2.59E-07	4.66E-09	-2.54E-07
2283	494761.06, 3859951.99	4.16E-06	7.49E-08	-4.09E-06	1.75E-07	3.15E-09	-1.72E-07	2.62E-07	4.72E-09	-2.57E-07
2284	494811.06, 3859951.99	4.19E-06	7.55E-08	-4.12E-06	1.76E-07	3.18E-09	-1.73E-07	2.64E-07	4.75E-09	-2.59E-07
2285	494861.06, 3859951.99	4.26E-06	7.66E-08	-4.18E-06	1.79E-07	3.22E-09	-1.76E-07	2.68E-07	4.83E-09	-2.63E-07
2286	494911.06, 3859951.99	4.23E-06	7.62E-08	-4.15E-06	1.78E-07	3.20E-09	-1.75E-07	2.67E-07	4.80E-09	-2.62E-07
2287	494961.06, 3859951.99	4.22E-06	7.59E-08	-4.14E-06	1.77E-07	3.19E-09	-1.74E-07	2.66E-07	4.78E-09	-2.61E-07
2288	495011.06, 3859951.99	4.22E-06	7.59E-08	-4.14E-06	1.77E-07	3.19E-09	-1.74E-07	2.66E-07	4.78E-09	-2.61E-07
2289	495061.06, 3859951.99	4.24E-06	7.63E-08	-4.16E-06	1.78E-07	3.21E-09	-1.75E-07	2.67E-07	4.80E-09	-2.62E-07
2290	495111.06, 3859951.99	4.22E-06	7.59E-08	-4.14E-06	1.77E-07	3.19E-09	-1.74E-07	2.66E-07	4.78E-09	-2.61E-07
2291	495161.06, 3859951.99	4.21E-06	7.57E-08	-4.13E-06	1.77E-07	3.19E-09	-1.74E-07	2.65E-07	4.77E-09	-2.60E-07
2292	495211.06, 3859951.99	4.19E-06	7.55E-08	-4.12E-06	1.76E-07	3.18E-09	-1.73E-07	2.64E-07	4.76E-09	-2.59E-07
2293	495261.06, 3859951.99	4.20E-06	7.56E-08	-4.12E-06	1.77E-07	3.18E-09	-1.73E-07	2.64E-07	4.76E-09	-2.60E-07
2294	495311.06, 3859951.99	4.23E-06	7.62E-08	-4.16E-06	1.78E-07	3.21E-09	-1.75E-07	2.67E-07	4.80E-09	-2.62E-07
2295	495361.06, 3859951.99	4.24E-06	7.64E-08	-4.16E-06	1.78E-07	3.21E-09	-1.75E-07	2.67E-07	4.81E-09	-2.62E-07
2296	495411.06, 3859951.99	4.22E-06	7.60E-08	-4.14E-06	1.78E-07	3.20E-09	-1.74E-07	2.66E-07	4.79E-09	-2.61E-07
2297	495461.06, 3859951.99	4.21E-06	7.58E-08	-4.13E-06	1.77E-07	3.19E-09	-1.74E-07	2.65E-07	4.77E-09	-2.60E-07
2298	495511.06, 3859951.99	4.20E-06	7.56E-08	-4.12E-06	1.77E-07	3.18E-09	-1.73E-07	2.64E-07	4.76E-09	-2.60E-07
2299	495561.06, 3859951.99	4.23E-06	7.62E-08	-4.16E-06	1.78E-07	3.21E-09	-1.75E-07	2.67E-07	4.80E-09	-2.62E-07
2300	495611.06, 3859951.99	4.21E-06	7.58E-08	-4.14E-06	1.77E-07	3.19E-09	-1.74E-07	2.65E-07	4.78E-09	-2.61E-07
2301	495661.06, 3859951.99	4.18E-06	7.52E-08	-4.10E-06	1.76E-07	3.16E-09	-1.73E-07	2.63E-07	4.74E-09	-2.58E-07
2302	494311.06, 3860001.99	4.40E-06	7.92E-08	-4.32E-06	1.85E-07	3.33E-09	-1.82E-07	2.77E-07	4.99E-09	-2.72E-07
2303	494361.06, 3860001.99	4.40E-06	7.93E-08	-4.33E-06	1.85E-07	3.34E-09	-1.82E-07	2.77E-07	5.00E-09	-2.72E-07
2304	494411.06, 3860001.99	4.35E-06	7.84E-08	-4.28E-06	1.83E-07	3.30E-09	-1.80E-07	2.74E-07	4.94E-09	-2.69E-07
2305	494461.06, 3860001.99	4.40E-06	7.92E-08	-4.32E-06	1.85E-07	3.33E-09	-1.82E-07	2.77E-07	4.99E-09	-2.72E-07
2306	494511.06, 3860001.99	4.39E-06	7.90E-08	-4.31E-06	1.85E-07	3.32E-09	-1.81E-07	2.76E-07	4.98E-09	-2.71E-07
2307	494561.06, 3860001.99	4.62E-06	8.32E-08	-4.54E-06	1.94E-07	3.50E-09	-1.91E-07	2.91E-07	5.24E-09	-2.86E-07
2308	494611.06, 3860001.99	4.59E-06	8.26E-08	-4.51E-06	1.93E-07	3.48E-09	-1.90E-07	2.89E-07	5.21E-09	-2.84E-07
2309	494661.06, 3860001.99	4.64E-06	8.35E-08	-4.55E-06	1.95E-07	3.51E-09	-1.92E-07	2.92E-07	5.26E-09	-2.87E-07
2310	494711.06, 3860001.99	4.47E-06	8.06E-08	-4.39E-06	1.88E-07	3.39E-09	-1.85E-07	2.82E-07	5.07E-09	-2.77E-07
2311	494761.06, 3860001.99	4.62E-06	8.31E-08	-4.53E-06	1.94E-07	3.50E-09	-1.91E-07	2.91E-07	5.24E-09	-2.86E-07
2312	494811.06, 3860001.99	4.67E-06	8.41E-08	-4.59E-06	1.97E-07	3.54E-09	-1.93E-07	2.94E-07	5.30E-09	-2.89E-07
2313	494861.06, 3860001.99	4.74E-06	8.54E-08	-4.66E-06	1.99E-07	3.59E-09	-1.96E-07	2.99E-07	5.38E-09	-2.93E-07
2314	494911.06, 3860001.99	4.56E-06	8.22E-08	-4.48E-06	1.92E-07	3.46E-09	-1.89E-07	2.88E-07	5.18E-09	-2.82E-07
2315	494961.06, 3860001.99	4.63E-06	8.34E-08	-4.55E-06	1.95E-07	3.51E-09	-1.91E-07	2.92E-07	5.25E-09	-2.87E-07
2316	495011.06, 3860001.99	4.62E-06	8.31E-08	-4.53E-06	1.94E-07	3.50E-09	-1.91E-07	2.91E-07	5.24E-09	-2.86E-07
2317	495061.06, 3860001.99	4.68E-06	8.42E-08	-4.59E-06	1.97E-07	3.54E-09	-1.93E-07	2.95E-07	5.30E-09	-2.89E-07
2318	495111.06, 3860001.99	4.65E-06	8.38E-08	-4.57E-06	1.96E-07	3.52E-09	-1.92E-07	2.93E-07	5.28E-09	-2.88E-07
2319	495161.06, 3860001.99	4.63E-06	8.34E-08	-4.55E-06	1.95E-07	3.51E-09	-1.91E-07	2.92E-07	5.26E-09	-2.87E-07
2320	495211.06, 3860001.99	4.69E-06	8.43E-08	-4.60E-06	1.97E-07	3.55E-09	-1.94E-07	2.95E-07	5.31E-09	-2.90E-07
2321	495261.06, 3860001.99	4.67E-06	8.41E-08	-4.59E-06	1.96E-07	3.54E-09	-1.93E-07	2.94E-07	5.30E-09	-2.89E-07
2322	495311.06, 3860001.99	4.68E-06	8.43E-08	-4.60E-06	1.97E-07	3.55E-09	-1.93E-07	2.95E-07	5.31E-09	-2.90E-07
2323	495361.06, 3860001.99	4.61E-06	8.30E-08	-4.53E-06	1.94E-07	3.49E-09	-1.90E-07	2.90E-07	5.23E-09	-2.85E-07
2324	495411.06, 3860001.99	4.67E-06	8.40E-08	-4.58E-06	1.96E-07	3.53E-09	-1.93E-07	2.94E-07	5.29E-09	-2.89E-07
2325	495461.06, 3860001.99	4.66E-06	8.39E-08	-4.58E-06	1.96E-07	3.53E-09	-1.92E-07	2.94E-07	5.28E-09	-2.88E-07
2326	495511.06, 3860001.99	4.66E-06	8.38E-08	-4.57E-06	1.96E-07	3.53E-09	-1.92E-07	2.93E-07	5.28E-09	-2.88E-07
2327	495561.06, 3860001.99	4.68E-06	8.43E-08	-4.60E-06	1.97E-07	3.55E-09	-1.93E-07	2.95E-07	5.31E-09	-2.90E-07
2328	495611.06, 3860001.99	4.65E-06	8.37E-08	-4.56E-06	1.95E-07	3.52E-09	-1.92E-07	2.93E-07	5.27E-09	-2.87E-07
2329	495661.06, 3860001.99	4.62E-06	8.31E-08	-4.53E-06	1.94E-07	3.50E-09	-1.91E-07	2.91E-07	5.24E-09	-2.86E-07
2330	494411.06, 3860051.99	4.88E-06	8.79E-08	-4.79E-06	2.05E-07	3.70E-09	-2.02E-07	3.08E-07	5.54E-09	-3.02E-07
2331	494461.06, 3860051.99	4.88E-06	8.79E-08	-4.79E-06	2.05E-07	3.70E-09	-2.02E-07	3.08E-07	5.54E-09	-3.02E-07
2332	494511.06, 3860051.99	4.90E-06	8.81E-08	-4.81E-06	2.06E-07	3.71E-09	-2.02E-07	3.08E-07	5.55E-09	-3.03E-07
2333	494561.06, 3860051.99	5.05E-06	9.10E-08	-4.96E-06	2.13E-07	3.83E-09	-2.09E-07	3.18E-07	5.73E-09	-3.13E-07
2334	494611.06, 3860051.99	5.13E-06	9.23E-08	-5.04E-06	2.16E-07	3.88E-09	-2.12E-07	3.23E-07	5.82E-09	-3.17E-07
2335	494661.06, 3860051.99	5.18E-06	9.33E-08	-5.09E-06	2.18E-07	3.93E-09	-2.14E-07	3.27E-07	5.88E-09	-3.21E-07
2336	494711.06, 3860051.99	5.09E-06	9.16E-08	-4.99E-06	2.14E-07	3.85E-09	-2.10E-07	3.20E-07	5.77E-09	-3.15E-07
2337	494761.06, 3860051.99	5.15E-06	9.27E-08	-5.05E-06	2.17E-07	3.90E-09	-2.13E-07	3.24E-07	5.84E-09	-3.18E-07
2338	494811.06, 3860051.99	5.27E-06	9.48E-08	-5.17E-06	2.22E-07	3.99E-09	-2.18E-07	3.32E-07	5.97E-09	-3.26E-07
2339	494861.06, 3860051.99	5.37E-06	9.66E-08	-5.27E-06	2.26E-07	4.07E-09	-2.22E-07	3.38E-07	6.09E-09	-3.32E-07
2340	494911.06, 3860051.99	5.29E-06	9.53E-08	-5.20E-06	2.23E-07	4.01E-09	-2.19E-07	3.34E-07	6.00E-09	-3.27E-07
2341	494961.06, 3860051.99	5.22E-06	9.39E-08	-5.12E-06	2.19E-07	3.95E-09	-2.16E-07	3.29E-07	5.92E-09	-3.23E-07
2342	495011.06, 3860051.99	5.18E-06	9.32E-08	-5.08E-06	2.18E-07	3.92E-09	-2.14E-07	3.26E-07	5.87E-09	-3.20E-07
2343	495061.06, 3860051.99	5.18E-06	9.32E-08	-5.08E-06	2.18E-07	3.92E-09	-2.14E-07	3.26E-07	5.87E-09	-3.20E-07
2344	495111.06, 3860051.99	5.12E-06	9.22E-08	-5.03E-06	2.15E-07	3.88E-09	-2.12E-07	3.23E-07	5.81E-09	-3.17E-07
2345	495161.06, 3860051.99	5.13E-06	9.23E-08	-5.04E-06	2.16E-07	3.88E-09	-2.12E-07	3.23E-07	5.82E-09	-3.17E-07
2346	495211.06, 3860051.99	5.11E-06	9.20E-08	-5.02E-06	2.15E-07	3.87E-09	-2.11E-07	3.22E-07	5.79E-09	-3.16E-07
2347	495261.06, 3860051.99	5.14E-06	9.24E-08	-5.04E-06	2.16E-07	3.89E-09	-2.12E-07	3.23E-07	5.82E-09	-3.18E-07
2348	495311.06, 3860051.99	5.18E-06	9.32E-08	-5.08E-06	2.18E-07	3.92E-09	-2.14E-07	3.26E-07	5.87E-09	-3.20E-07
2349	495361.06, 3860051.99	5.19E-06	9.35E-08	-5.10E-06	2.18E-07	3.93E-09	-2.15E-07	3.27E-07	5.89E-09	-3.21E-07
2350	495411.06, 3860051.99	5.19E-06	9.35E-08	-5.10E-06	2.18E-07	3.93E-09	-2.15E-07	3.27E-07	5.89E-09	-3.21E-07

2351	495461.06, 3860051.99	5.17E-06	9.31E-08	-5.08E-06	2.18E-07	3.92E-09	-2.14E-07	3.26E-07	5.87E-09	-3.20E-07
2352	495511.06, 3860051.99	5.19E-06	9.35E-08	-5.10E-06	2.18E-07	3.93E-09	-2.15E-07	3.27E-07	5.89E-09	-3.21E-07
2353	495561.06, 3860051.99	5.19E-06	9.34E-08	-5.09E-06	2.18E-07	3.93E-09	-2.14E-07	3.27E-07	5.88E-09	-3.21E-07
2354	495611.06, 3860051.99	5.16E-06	9.29E-08	-5.07E-06	2.17E-07	3.91E-09	-2.13E-07	3.25E-07	5.85E-09	-3.19E-07
2355	495661.06, 3860051.99	5.10E-06	9.19E-08	-5.01E-06	2.15E-07	3.87E-09	-2.11E-07	3.21E-07	5.79E-09	-3.16E-07
2356	494411.06, 3860101.99	5.34E-06	9.61E-08	-5.24E-06	2.25E-07	4.04E-09	-2.20E-07	3.36E-07	6.05E-09	-3.30E-07
2357	494461.06, 3860101.99	5.49E-06	9.88E-08	-5.39E-06	2.31E-07	4.16E-09	-2.27E-07	3.46E-07	6.23E-09	-3.40E-07
2358	494511.06, 3860101.99	5.41E-06	9.73E-08	-5.31E-06	2.27E-07	4.09E-09	-2.23E-07	3.41E-07	6.13E-09	-3.34E-07
2359	494561.06, 3860101.99	5.49E-06	9.89E-08	-5.39E-06	2.31E-07	4.16E-09	-2.27E-07	3.46E-07	6.23E-09	-3.40E-07
2360	494611.06, 3860101.99	5.68E-06	1.02E-07	-5.58E-06	2.39E-07	4.30E-09	-2.35E-07	3.58E-07	6.44E-09	-3.52E-07
2361	494661.06, 3860101.99	5.77E-06	1.04E-07	-5.67E-06	2.43E-07	4.37E-09	-2.38E-07	3.64E-07	6.55E-09	-3.57E-07
2362	494711.06, 3860101.99	5.69E-06	1.02E-07	-5.58E-06	2.39E-07	4.31E-09	-2.35E-07	3.58E-07	6.45E-09	-3.52E-07
2363	494761.06, 3860101.99	5.75E-06	1.03E-07	-5.64E-06	2.42E-07	4.35E-09	-2.37E-07	3.62E-07	6.52E-09	-3.56E-07
2364	494811.06, 3860101.99	5.82E-06	1.05E-07	-5.71E-06	2.45E-07	4.41E-09	-2.40E-07	3.66E-07	6.60E-09	-3.60E-07
2365	494861.06, 3860101.99	5.92E-06	1.07E-07	-5.81E-06	2.49E-07	4.48E-09	-2.44E-07	3.73E-07	6.71E-09	-3.66E-07
2366	494911.06, 3860101.99	5.76E-06	1.04E-07	-5.66E-06	2.42E-07	4.36E-09	-2.38E-07	3.63E-07	6.54E-09	-3.56E-07
2367	494961.06, 3860101.99	5.80E-06	1.04E-07	-5.69E-06	2.44E-07	4.39E-09	-2.39E-07	3.65E-07	6.57E-09	-3.59E-07
2368	495011.06, 3860101.99	5.75E-06	1.04E-07	-5.65E-06	2.42E-07	4.35E-09	-2.38E-07	3.62E-07	6.52E-09	-3.56E-07
2369	495061.06, 3860101.99	5.72E-06	1.03E-07	-5.62E-06	2.41E-07	4.33E-09	-2.36E-07	3.60E-07	6.49E-09	-3.54E-07
2370	495111.06, 3860101.99	5.65E-06	1.02E-07	-5.55E-06	2.38E-07	4.28E-09	-2.33E-07	3.56E-07	6.41E-09	-3.49E-07
2371	495161.06, 3860101.99	5.70E-06	1.03E-07	-5.60E-06	2.40E-07	4.32E-09	-2.35E-07	3.59E-07	6.46E-09	-3.52E-07
2372	495211.06, 3860101.99	5.70E-06	1.03E-07	-5.60E-06	2.40E-07	4.32E-09	-2.36E-07	3.59E-07	6.47E-09	-3.53E-07
2373	495261.06, 3860101.99	5.70E-06	1.03E-07	-5.60E-06	2.40E-07	4.32E-09	-2.36E-07	3.59E-07	6.47E-09	-3.53E-07
2374	495311.06, 3860101.99	5.72E-06	1.03E-07	-5.62E-06	2.41E-07	4.33E-09	-2.36E-07	3.60E-07	6.49E-09	-3.54E-07
2375	495361.06, 3860101.99	5.78E-06	1.04E-07	-5.67E-06	2.43E-07	4.38E-09	-2.39E-07	3.64E-07	6.55E-09	-3.57E-07
2376	495411.06, 3860101.99	5.77E-06	1.04E-07	-5.66E-06	2.43E-07	4.37E-09	-2.38E-07	3.63E-07	6.54E-09	-3.57E-07
2377	495461.06, 3860101.99	5.69E-06	1.02E-07	-5.59E-06	2.39E-07	4.31E-09	-2.35E-07	3.59E-07	6.45E-09	-3.52E-07
2378	495511.06, 3860101.99	5.74E-06	1.03E-07	-5.63E-06	2.41E-07	4.35E-09	-2.37E-07	3.61E-07	6.51E-09	-3.55E-07
2379	495561.06, 3860101.99	5.78E-06	1.04E-07	-5.67E-06	2.43E-07	4.38E-09	-2.39E-07	3.64E-07	6.55E-09	-3.57E-07
2380	495611.06, 3860101.99	5.70E-06	1.03E-07	-5.59E-06	2.40E-07	4.31E-09	-2.35E-07	3.59E-07	6.46E-09	-3.52E-07
2381	495661.06, 3860101.99	5.69E-06	1.03E-07	-5.59E-06	2.40E-07	4.31E-09	-2.35E-07	3.59E-07	6.46E-09	-3.52E-07
2382	494861.06, 3860151.99	6.68E-06	1.20E-07	-6.56E-06	2.81E-07	5.06E-09	-2.76E-07	4.21E-07	7.57E-09	-4.13E-07
2383	494911.06, 3860151.99	6.53E-06	1.18E-07	-6.41E-06	2.75E-07	4.95E-09	-2.70E-07	4.11E-07	7.40E-09	-4.04E-07
2384	494961.06, 3860151.99	6.49E-06	1.17E-07	-6.37E-06	2.73E-07	4.92E-09	-2.68E-07	4.09E-07	7.36E-09	-4.02E-07
2385	495011.06, 3860151.99	6.43E-06	1.16E-07	-6.32E-06	2.71E-07	4.87E-09	-2.66E-07	4.05E-07	7.30E-09	-3.98E-07
2386	495061.06, 3860151.99	6.38E-06	1.15E-07	-6.27E-06	2.69E-07	4.83E-09	-2.64E-07	4.02E-07	7.24E-09	-3.95E-07
2387	495111.06, 3860151.99	6.38E-06	1.15E-07	-6.27E-06	2.69E-07	4.83E-09	-2.64E-07	4.02E-07	7.24E-09	-3.95E-07
2388	495161.06, 3860151.99	6.40E-06	1.15E-07	-6.28E-06	2.69E-07	4.85E-09	-2.64E-07	4.03E-07	7.26E-09	-3.96E-07
2389	495211.06, 3860151.99	6.38E-06	1.15E-07	-6.27E-06	2.69E-07	4.84E-09	-2.64E-07	4.02E-07	7.24E-09	-3.95E-07
2390	495261.06, 3860151.99	6.41E-06	1.15E-07	-6.29E-06	2.70E-07	4.86E-09	-2.65E-07	4.04E-07	7.27E-09	-3.97E-07
2391	495311.06, 3860151.99	6.43E-06	1.16E-07	-6.31E-06	2.70E-07	4.87E-09	-2.66E-07	4.05E-07	7.29E-09	-3.98E-07
2392	495361.06, 3860151.99	6.46E-06	1.16E-07	-6.34E-06	2.72E-07	4.89E-09	-2.67E-07	4.07E-07	7.32E-09	-3.99E-07
2393	495411.06, 3860151.99	6.45E-06	1.16E-07	-6.33E-06	2.71E-07	4.88E-09	-2.66E-07	4.06E-07	7.31E-09	-3.99E-07
2394	495461.06, 3860151.99	6.44E-06	1.16E-07	-6.33E-06	2.71E-07	4.88E-09	-2.66E-07	4.06E-07	7.31E-09	-3.99E-07
2395	495511.06, 3860151.99	6.40E-06	1.15E-07	-6.28E-06	2.69E-07	4.85E-09	-2.64E-07	4.03E-07	7.26E-09	-3.96E-07
2396	495561.06, 3860151.99	6.41E-06	1.15E-07	-6.30E-06	2.70E-07	4.86E-09	-2.65E-07	4.04E-07	7.27E-09	-3.97E-07
2397	495611.06, 3860151.99	6.38E-06	1.15E-07	-6.26E-06	2.68E-07	4.83E-09	-2.64E-07	4.02E-07	7.23E-09	-3.95E-07
2398	495661.06, 3860151.99	6.33E-06	1.14E-07	-6.21E-06	2.66E-07	4.79E-09	-2.61E-07	3.98E-07	7.17E-09	-3.91E-07
2399	495718.25, 3859442.96	1.84E-06	3.31E-08	-1.81E-06	7.73E-08	1.39E-09	-7.59E-08	1.16E-07	2.08E-09	-1.14E-07
2400	495818.25, 3859442.96	1.84E-06	3.32E-08	-1.81E-06	7.75E-08	1.40E-09	-7.61E-08	1.16E-07	2.09E-09	-1.14E-07
2401	495918.25, 3859442.96	1.86E-06	3.34E-08	-1.82E-06	7.81E-08	1.41E-09	-7.67E-08	1.17E-07	2.11E-09	-1.15E-07
2402	496018.25, 3859442.96	1.88E-06	3.38E-08	-1.84E-06	7.90E-08	1.42E-09	-7.76E-08	1.18E-07	2.13E-09	-1.16E-07
2403	496118.25, 3859442.96	1.93E-06	3.47E-08	-1.90E-06	8.12E-08	1.46E-09	-7.97E-08	1.22E-07	2.19E-09	-1.19E-07
2404	496218.25, 3859442.96	1.98E-06	3.57E-08	-1.95E-06	8.35E-08	1.50E-09	-8.20E-08	1.25E-07	2.25E-09	-1.23E-07
2405	496318.25, 3859442.96	2.02E-06	3.64E-08	-1.99E-06	8.50E-08	1.53E-09	-8.35E-08	1.27E-07	2.29E-09	-1.25E-07
2406	496418.25, 3859442.96	2.06E-06	3.71E-08	-2.03E-06	8.68E-08	1.56E-09	-8.52E-08	1.30E-07	2.34E-09	-1.28E-07
2407	495718.25, 3859542.96	2.12E-06	3.82E-08	-2.08E-06	8.93E-08	1.61E-09	-8.77E-08	1.34E-07	2.41E-09	-1.31E-07
2408	495818.25, 3859542.96	2.13E-06	3.84E-08	-2.09E-06	8.98E-08	1.62E-09	-8.81E-08	1.34E-07	2.42E-09	-1.32E-07
2409	495918.25, 3859542.96	2.14E-06	3.85E-08	-2.10E-06	9.01E-08	1.62E-09	-8.84E-08	1.35E-07	2.43E-09	-1.32E-07
2410	496018.25, 3859542.96	2.16E-06	3.88E-08	-2.12E-06	9.08E-08	1.63E-09	-8.91E-08	1.36E-07	2.45E-09	-1.33E-07
2411	496118.25, 3859542.96	2.22E-06	4.00E-08	-2.18E-06	9.34E-08	1.68E-09	-9.17E-08	1.40E-07	2.52E-09	-1.37E-07
2412	496218.25, 3859542.96	2.28E-06	4.10E-08	-2.24E-06	9.58E-08	1.73E-09	-9.41E-08	1.44E-07	2.58E-09	-1.41E-07
2413	496318.25, 3859542.96	2.34E-06	4.21E-08	-2.29E-06	9.83E-08	1.77E-09	-9.65E-08	1.47E-07	2.65E-09	-1.45E-07
2414	496418.25, 3859542.96	2.38E-06	4.28E-08	-2.33E-06	9.99E-08	1.80E-09	-9.81E-08	1.50E-07	2.69E-09	-1.47E-07
2415	495718.25, 3859642.96	2.46E-06	4.43E-08	-2.41E-06	1.03E-07	1.86E-09	-1.02E-07	1.55E-07	2.79E-09	-1.52E-07
2416	495818.25, 3859642.96	2.46E-06	4.43E-08	-2.42E-06	1.04E-07	1.87E-09	-1.02E-07	1.55E-07	2.79E-09	-1.52E-07
2417	495918.25, 3859642.96	2.48E-06	4.47E-08	-2.44E-06	1.05E-07	1.88E-09	-1.03E-07	1.57E-07	2.82E-09	-1.54E-07
2418	496018.25, 3859642.96	2.50E-06	4.50E-08	-2.46E-06	1.05E-07	1.89E-09	-1.03E-07	1.58E-07	2.84E-09	-1.55E-07
2419	496118.25, 3859642.96	2.58E-06	4.65E-08	-2.54E-06	1.09E-07	1.96E-09	-1.07E-07	1.63E-07	2.93E-09	-1.60E-07
2420	496218.25, 3859642.96	2.66E-06	4.80E-08	-2.62E-06	1.12E-07	2.02E-09	-1.10E-07	1.68E-07	3.02E-09	-1.65E-07
2421	496318.25, 3859642.96	2.71E-06	4.88E-08	-2.66E-06	1.14E-07	2.05E-09	-1.12E-07	1.71E-07	3.07E-09	-1.68E-07
2422	496418.25, 3859642.96	2.67E-06	4.80E-08	-2.62E-06	1.12E-07	2.02E-09	-1.10E-07	1.68E-07	3.03E-09	-1.65E-07
2423	495718.25, 3859742.96	2.90E-06	5.23E-08	-2.85E-06	1.22E-07	2.20E-09	-1.20E-07	1.83E-07	3.29E-09	-1.80E-07
2424	495818.25, 3859742.96	2.89E-06	5.21E-08	-2.84E-06	1.22E-07	2.19E-09	-1.19E-07	1.82E-07	3.28E-09	-1.79E-07
2425	495918.25, 3859742.96	2.90E-06	5.23E-08	-2.85E-06	1.22E-07	2.20E-09	-1.20E-07	1.83E-07	3.29E-09	-1.80E-07
2426	496018.25, 3859742.96	2.92E-06	5.25E-08	-2.86E-06	1.23E-07	2.21E-09	-1.21E-07	1.84E-07	3.31E-09	-1.80E-07
2427	496118.25, 3859742.96	3.01E-06	5.42E-08	-2.96E-06	1.27E-07	2.28E-09	-1.24E-07	1.90E-07	3.41E-09	-1.86E-07
2428	496218.25, 3859742.96	3.13E-06	5.64E-08	-3.08E-06	1.32E-07	2.37E-09	-1.30E-07	1.97E-07	3.56E-09	-1.94E-07
2429	496318.25, 3859742.96	3.09E-06	5.56E-08	-3.03E-06	1.30E-07	2.34E-09	-1.27E-07	1.94E-07	3.50E-09	-1.91E-07
2430	496418.25, 3859742.96	3.01E-06	5.41E-08	-2.95E-06	1.27E-07	2.28E-09	-1.24E-07	1.89E-07	3.41E-09	-1.86E-07
2431	495718.25, 3859842.96	3.44E-06	6.20E-08	-3.38E-06	1.45E-07	2.61E-09	-1.42E-07	2.17E-07	3.90E-09	-2.13E-07
2432	495818.25, 3859842.96	3.44E-06	6.20E-08	-3.38E-06	1.45E-07	2.61E-09	-1.42E-07	2.17E-07	3.90E-09	-2.13E-07
2433	495918.25, 3859842.96	3.45E-06	6.21E-08	-3.39E-06	1.45E-07	2.61E-09	-1.42E-07	2.17E-07	3.91E-09	-2.13E-07
2434	496018.25, 3859842.96	3.50E-06	6.29E-08	-3.43E-06	1.47E-07	2.65E-09	-1.44E-07	2.20E-07	3.96E-09	-2.16E-07
2435	496118.25, 3859842.96	3.58E-06	6.45E-08	-3.52E-06	1.51E-07	2.71E-09	-1.48E-07	2.26E-07	4.06E-09	-2.22E-07
2436	496218.25, 3859842.96	3.58E-06	6.45E-08	-3.52E-06	1.51E-07	2.71E-09	-1.48E-07	2.26E-07	4.06E-09	-2.22E-07
2437	496318.25, 3859842.96	3.40E-06	6.12E-08	-3.34E-06	1.43E-07	2.57E-09	-1.40E-07	2.14E-07	3.85E-09	-2.10E-07
2438	496418.25, 3859842.96	3.35E-06	6.04E-08	-3.29E-06	1.41E-07	2.54E-09	-1.39E-07	2.11E-07	3.80E-09	-2.07E-07
2439	495718.25, 3859942.96	4.12E-06	7.42E-08	-4.05E-06	1.73E-07	3.12E-09	-1.70E-07	2.60E-07	4.67E-09	-2.55E-07
2440	495818.25, 3859942.96	4.11E-06	7.40E-08	-4.04E-06	1.73E-07	3.11E-09	-1.70E-07	2.59E-07	4.66E-09	-2.54E-07
2441	495918.25, 3859942.96	4.14E-06	7.46E-08	-4.07E-06	1.74E-07	3.14E-09	-1.71E-07	2.61E-07	4.70E-09	-2.56E-07
2442	496018.25, 3859942.96	4.29E-06	7.73E-08	-4.22E-06	1.81E-07	3.25E-09	-1.77E-07	2.71E-07	4.87E-09	-2.66E-07
2443	496118.25, 3859942.96	4.21E-06	7.59E-08	-4.14E-06	1.77E-07	3.19E-09	-1.74E-07	2.65E-07	4.78E-09	-2.61E-07
2444	496218.25, 3859942.96	4.05E-06	7.29E-08	-3.98E-06	1.70E-07	3.07E-09	-1.67E-07	2.55E-07	4.60E-09	-2.51E-07
2445	496318.25, 3859942.96	3.94E-06	7.10E-08	-3.87E-06	1.66E-07	2.99E-09	-1.63E-07	2.48E-07	4.47E-09	-2.44E-07
2446	496418.25, 3859942.96	3.82E-06	6.87E-08	-3.75E-06	1.61E-07	2.89E-09	-1.58E-07	2.40E-07	4.33E-09	-2.36E-07
2447	496856.82, 3858864.83	1.14E-06	2.06E-08	-1.12E-06	4.81E-08	8.66E-10	-4.72E-08	7.20E-08	1.30E-09	-7.07E-08
2448	496956.82, 3858864.83	1.17E-06	2.12E-08	-1.15E-06	4.94E-08	8.90E-10	-4.85E-08	7.40E-08	1.33E-09	-7.27E-08
2449	497056.82, 3858864.83	1.21E-06	2.18E-08	-1.19E-06	5.10E-08	9.18E-10	-5.01E-08	7.64E-08	1.37E-09	-7.50E-08
2450	497156.82, 3858864.83	1.25E-06	2.25E-08	-1.23E-06	5.26E-08	9.46E-10	-5.16E-08	7.87E-08	1.42E-09	-7.73E-08
2451	497256.82, 3858864.83	1.29E-06	2.33E-08	-1.27E-06	5.44E-08	9.80E-10	-5.34E-08	8.15E-08	1.47E-09	-8.00E-08
2452	496856.82, 3858964.83	1.28E-06	2.30E-08	-1.26E-06	5.38E-08	9.68E-10	-5.28E-08	8.05E-08	1.45E-09	-7.91E-08
2453	496956.82, 3858964.83	1.31E-06	2.36E-08	-1.29E-06	5.52E-08	9.93E-10	-5.42E-08	8.26E-08	1.49E-09	-8.11E-08
2454	497056.82, 3858964.83	1.35E-06	2.43E-08	-1.33E-06	5.68E-08	1.02E-09	-5.58E-08	8.51E-08	1.53E-09	-8.36E-08
2455	497156.82, 3858964.83	1.39E-06	2.50E-08	-1.37E-06	5.85E-08	1.05E-09	-5.75E-08	8.76E-08	1.58E-09	-8.61E-08
2456	497256.82, 3858964.83	1.45E-06	2.61E-08	-1.42E-06	6.10E-08	1.10E-09	-5.99E-08	9.13E-08	1.64E-09	-8.97E-08
2457	496856.82, 3859064.83	1.42E-06	2.56E-08	-1.40E-06	5.99E-08	1.08E-09	-5.88E-08	8.97E-08	1.62E-09	-8.81E-08

2458	496956.82, 3859064.83	1.46E-06	2.64E-08	-1.44E-06	6.16E-08	1.11E-09	-6.05E-08	9.22E-08	1.66E-09	-9.06E-08
2459	497056.82, 3859064.83	1.51E-06	2.72E-08	-1.48E-06	6.35E-08	1.14E-09	-6.23E-08	9.50E-08	1.71E-09	-9.33E-08
2460	497156.82, 3859064.83	1.56E-06	2.80E-08	-1.53E-06	6.55E-08	1.18E-09	-6.43E-08	9.80E-08	1.76E-09	-9.63E-08
2461	497256.82, 3859064.83	1.63E-06	2.94E-08	-1.60E-06	6.86E-08	1.23E-09	-6.74E-08	1.03E-07	1.85E-09	-1.01E-07
2462	496856.82, 3859164.83	1.58E-06	2.85E-08	-1.56E-06	6.67E-08	1.20E-09	-6.55E-08	9.98E-08	1.80E-09	-9.80E-08
2463	496956.82, 3859164.83	1.63E-06	2.93E-08	-1.60E-06	6.84E-08	1.23E-09	-6.72E-08	1.02E-07	1.84E-09	-1.01E-07
2464	497056.82, 3859164.83	1.68E-06	3.02E-08	-1.65E-06	7.06E-08	1.27E-09	-6.94E-08	1.06E-07	1.90E-09	-1.04E-07
2465	497156.82, 3859164.83	1.75E-06	3.15E-08	-1.72E-06	7.36E-08	1.33E-09	-7.23E-08	1.10E-07	1.98E-09	-1.08E-07
2466	497256.82, 3859164.83	1.84E-06	3.32E-08	-1.81E-06	7.76E-08	1.40E-09	-7.62E-08	1.16E-07	2.09E-09	-1.14E-07
2467	496856.82, 3859264.83	1.76E-06	3.17E-08	-1.73E-06	7.40E-08	1.33E-09	-7.27E-08	1.11E-07	2.00E-09	-1.09E-07
2468	496956.82, 3859264.83	1.82E-06	3.28E-08	-1.79E-06	7.66E-08	1.38E-09	-7.52E-08	1.15E-07	2.06E-09	-1.13E-07
2469	497056.82, 3859264.83	1.90E-06	3.42E-08	-1.86E-06	7.98E-08	1.44E-09	-7.84E-08	1.20E-07	2.15E-09	-1.17E-07
2470	497156.82, 3859264.83	1.98E-06	3.56E-08	-1.94E-06	8.32E-08	1.50E-09	-8.17E-08	1.25E-07	2.24E-09	-1.22E-07
2471	497256.82, 3859264.83	2.08E-06	3.75E-08	-2.05E-06	8.76E-08	1.58E-09	-8.61E-08	1.31E-07	2.36E-09	-1.29E-07
2472	497088.92, 3858620.93	9.31E-07	1.68E-08	-9.15E-07	3.92E-08	7.05E-10	-3.85E-08	5.87E-08	1.06E-09	-5.76E-08
2473	497138.92, 3858620.93	9.47E-07	1.71E-08	-9.30E-07	3.98E-08	7.17E-10	-3.91E-08	5.97E-08	1.07E-09	-5.86E-08
2474	497188.92, 3858620.93	9.70E-07	1.75E-08	-9.53E-07	4.08E-08	7.35E-10	-4.01E-08	6.11E-08	1.10E-09	-6.00E-08
2475	497238.92, 3858620.93	9.87E-07	1.78E-08	-9.69E-07	4.15E-08	7.48E-10	-4.08E-08	6.22E-08	1.12E-09	-6.11E-08
2476	497088.92, 3858670.93	9.84E-07	1.77E-08	-9.67E-07	4.14E-08	7.46E-10	-4.07E-08	6.20E-08	1.12E-09	-6.09E-08
2477	497138.92, 3858670.93	1.00E-06	1.81E-08	-9.86E-07	4.23E-08	7.61E-10	-4.15E-08	6.33E-08	1.14E-09	-6.21E-08
2478	497188.92, 3858670.93	1.02E-06	1.84E-08	-1.00E-06	4.29E-08	7.73E-10	-4.21E-08	6.43E-08	1.16E-09	-6.31E-08
2479	497238.92, 3858670.93	1.04E-06	1.87E-08	-1.02E-06	4.38E-08	7.88E-10	-4.30E-08	6.55E-08	1.18E-09	-6.43E-08
2480	497088.92, 3858720.93	1.04E-06	1.88E-08	-1.02E-06	4.38E-08	7.89E-10	-4.30E-08	6.56E-08	1.18E-09	-6.44E-08
2481	497138.92, 3858720.93	1.05E-06	1.89E-08	-1.03E-06	4.42E-08	7.97E-10	-4.34E-08	6.62E-08	1.19E-09	-6.51E-08
2482	497188.92, 3858720.93	1.07E-06	1.92E-08	-1.05E-06	4.50E-08	8.10E-10	-4.42E-08	6.73E-08	1.21E-09	-6.61E-08
2483	497238.92, 3858720.93	1.10E-06	1.98E-08	-1.08E-06	4.62E-08	8.31E-10	-4.53E-08	6.91E-08	1.24E-09	-6.79E-08
2484	497088.92, 3858770.93	1.10E-06	1.97E-08	-1.08E-06	4.61E-08	8.30E-10	-4.53E-08	6.90E-08	1.24E-09	-6.78E-08
2485	497138.92, 3858770.93	1.11E-06	2.00E-08	-1.09E-06	4.68E-08	8.43E-10	-4.60E-08	7.01E-08	1.26E-09	-6.89E-08
2486	497188.92, 3858770.93	1.12E-06	2.02E-08	-1.10E-06	4.73E-08	8.52E-10	-4.65E-08	7.09E-08	1.28E-09	-6.96E-08
2487	497238.92, 3858770.93	1.16E-06	2.08E-08	-1.14E-06	4.87E-08	8.77E-10	-4.78E-08	7.29E-08	1.31E-09	-7.16E-08
2488	497396.65, 3858622.63	1.07E-06	1.93E-08	-1.05E-06	4.51E-08	8.12E-10	-4.43E-08	6.75E-08	1.22E-09	-6.63E-08
2489	497496.65, 3858622.63	1.13E-06	2.03E-08	-1.11E-06	4.74E-08	8.53E-10	-4.65E-08	7.09E-08	1.28E-09	-6.97E-08
2490	497596.65, 3858622.63	1.19E-06	2.14E-08	-1.16E-06	4.99E-08	8.99E-10	-4.90E-08	7.47E-08	1.35E-09	-7.34E-08
2491	497696.65, 3858622.63	1.25E-06	2.24E-08	-1.22E-06	5.24E-08	9.44E-10	-5.15E-08	7.85E-08	1.41E-09	-7.71E-08
2492	497796.65, 3858622.63	1.31E-06	2.36E-08	-1.29E-06	5.52E-08	9.94E-10	-5.42E-08	8.27E-08	1.49E-09	-8.12E-08
2493	497896.65, 3858622.63	1.38E-06	2.49E-08	-1.36E-06	5.82E-08	1.05E-09	-5.72E-08	8.72E-08	1.57E-09	-8.56E-08
2494	497396.65, 3858722.63	1.19E-06	2.15E-08	-1.17E-06	5.02E-08	9.04E-10	-4.93E-08	7.52E-08	1.35E-09	-7.38E-08
2495	497496.65, 3858722.63	1.25E-06	2.25E-08	-1.23E-06	5.26E-08	9.47E-10	-5.17E-08	7.88E-08	1.42E-09	-7.74E-08
2496	497596.65, 3858722.63	1.32E-06	2.38E-08	-1.30E-06	5.57E-08	1.00E-09	-5.47E-08	8.34E-08	1.50E-09	-8.19E-08
2497	497696.65, 3858722.63	1.39E-06	2.50E-08	-1.37E-06	5.85E-08	1.05E-09	-5.75E-08	8.76E-08	1.58E-09	-8.61E-08
2498	497796.65, 3858722.63	1.46E-06	2.62E-08	-1.43E-06	6.13E-08	1.10E-09	-6.02E-08	9.18E-08	1.65E-09	-9.01E-08
2499	497896.65, 3858722.63	1.53E-06	2.76E-08	-1.50E-06	6.44E-08	1.16E-09	-6.33E-08	9.65E-08	1.74E-09	-9.47E-08
2500	497396.65, 3858822.63	1.32E-06	2.38E-08	-1.30E-06	5.56E-08	1.00E-09	-5.46E-08	8.33E-08	1.50E-09	-8.18E-08
2501	497496.65, 3858822.63	1.38E-06	2.49E-08	-1.36E-06	5.82E-08	1.05E-09	-5.72E-08	8.72E-08	1.57E-09	-8.56E-08
2502	497596.65, 3858822.63	1.46E-06	2.62E-08	-1.43E-06	6.13E-08	1.10E-09	-6.02E-08	9.18E-08	1.65E-09	-9.01E-08
2503	497696.65, 3858822.63	1.54E-06	2.78E-08	-1.52E-06	6.50E-08	1.17E-09	-6.38E-08	9.73E-08	1.75E-09	-9.55E-08
2504	497796.65, 3858822.63	1.61E-06	2.89E-08	-1.58E-06	6.76E-08	1.22E-09	-6.64E-08	1.01E-07	1.82E-09	-9.94E-08
2505	497896.65, 3858822.63	1.72E-06	3.09E-08	-1.68E-06	7.22E-08	1.30E-09	-7.09E-08	1.08E-07	1.95E-09	-1.06E-07
2506	497396.65, 3858922.63	1.47E-06	2.65E-08	-1.44E-06	6.19E-08	1.11E-09	-6.08E-08	9.27E-08	1.67E-09	-9.10E-08
2507	497496.65, 3858922.63	1.56E-06	2.80E-08	-1.53E-06	6.55E-08	1.18E-09	-6.43E-08	9.81E-08	1.77E-09	-9.63E-08
2508	497596.65, 3858922.63	1.62E-06	2.92E-08	-1.59E-06	6.82E-08	1.23E-09	-6.69E-08	1.02E-07	1.84E-09	-1.00E-07
2509	497696.65, 3858922.63	1.71E-06	3.08E-08	-1.68E-06	7.19E-08	1.29E-09	-7.06E-08	1.08E-07	1.94E-09	-1.06E-07
2510	497796.65, 3858922.63	1.82E-06	3.28E-08	-1.79E-06	7.67E-08	1.38E-09	-7.54E-08	1.15E-07	2.07E-09	-1.13E-07
2511	497896.65, 3858922.63	1.92E-06	3.46E-08	-1.89E-06	8.10E-08	1.46E-09	-7.95E-08	1.21E-07	2.18E-09	-1.19E-07
2512	497364.44, 3858201.52	7.14E-07	1.28E-08	-7.01E-07	3.00E-08	5.40E-10	-2.95E-08	4.49E-08	8.09E-10	-4.41E-08
2513	497414.44, 3858201.52	7.22E-07	1.30E-08	-7.09E-07	3.04E-08	5.47E-10	-2.98E-08	4.55E-08	8.19E-10	-4.47E-08
2514	497464.44, 3858201.52	7.38E-07	1.33E-08	-7.25E-07	3.10E-08	5.59E-10	-3.05E-08	4.65E-08	8.37E-10	-4.56E-08
2515	497514.44, 3858201.52	7.59E-07	1.37E-08	-7.46E-07	3.19E-08	5.75E-10	-3.14E-08	4.78E-08	8.61E-10	-4.70E-08
2516	497564.44, 3858201.52	7.74E-07	1.39E-08	-7.60E-07	3.25E-08	5.86E-10	-3.20E-08	4.87E-08	8.77E-10	-4.79E-08
2517	497614.44, 3858201.52	7.91E-07	1.42E-08	-7.77E-07	3.33E-08	5.99E-10	-3.27E-08	4.98E-08	8.97E-10	-4.89E-08
2518	497364.44, 3858251.52	7.46E-07	1.34E-08	-7.33E-07	3.14E-08	5.65E-10	-3.08E-08	4.70E-08	8.47E-10	-4.62E-08
2519	497414.44, 3858251.52	7.64E-07	1.37E-08	-7.50E-07	3.21E-08	5.78E-10	-3.15E-08	4.81E-08	8.66E-10	-4.72E-08
2520	497464.44, 3858251.52	7.77E-07	1.40E-08	-7.63E-07	3.27E-08	5.88E-10	-3.21E-08	4.89E-08	8.81E-10	-4.80E-08
2521	497514.44, 3858251.52	7.88E-07	1.42E-08	-7.74E-07	3.32E-08	5.97E-10	-3.26E-08	4.96E-08	8.94E-10	-4.87E-08
2522	497564.44, 3858251.52	8.04E-07	1.45E-08	-7.89E-07	3.38E-08	6.09E-10	-3.32E-08	5.06E-08	9.12E-10	-4.97E-08
2523	497614.44, 3858251.52	8.21E-07	1.48E-08	-8.06E-07	3.45E-08	6.22E-10	-3.39E-08	5.17E-08	9.31E-10	-5.08E-08
2524	497364.44, 3858301.52	7.77E-07	1.40E-08	-7.63E-07	3.27E-08	5.88E-10	-3.21E-08	4.89E-08	8.81E-10	-4.80E-08
2525	497414.44, 3858301.52	7.97E-07	1.43E-08	-7.82E-07	3.35E-08	6.03E-10	-3.29E-08	5.02E-08	9.03E-10	-4.93E-08
2526	497464.44, 3858301.52	8.08E-07	1.45E-08	-7.94E-07	3.40E-08	6.12E-10	-3.34E-08	5.09E-08	9.16E-10	-5.00E-08
2527	497514.44, 3858301.52	8.22E-07	1.48E-08	-8.08E-07	3.46E-08	6.23E-10	-3.40E-08	5.18E-08	9.33E-10	-5.09E-08
2528	497564.44, 3858301.52	8.37E-07	1.51E-08	-8.22E-07	3.52E-08	6.34E-10	-3.46E-08	5.27E-08	9.49E-10	-5.18E-08
2529	497614.44, 3858301.52	8.54E-07	1.54E-08	-8.39E-07	3.59E-08	6.47E-10	-3.53E-08	5.38E-08	9.68E-10	-5.28E-08
2530	497364.44, 3858351.52	8.15E-07	1.47E-08	-8.01E-07	3.43E-08	6.17E-10	-3.37E-08	5.14E-08	9.25E-10	-5.04E-08
2531	497414.44, 3858351.52	8.28E-07	1.49E-08	-8.13E-07	3.48E-08	6.27E-10	-3.42E-08	5.22E-08	9.39E-10	-5.12E-08
2532	497464.44, 3858351.52	8.44E-07	1.52E-08	-8.29E-07	3.55E-08	6.39E-10	-3.49E-08	5.32E-08	9.57E-10	-5.22E-08
2533	497514.44, 3858351.52	8.60E-07	1.55E-08	-8.44E-07	3.62E-08	6.51E-10	-3.55E-08	5.42E-08	9.75E-10	-5.32E-08
2534	497564.44, 3858351.52	8.74E-07	1.57E-08	-8.58E-07	3.68E-08	6.62E-10	-3.61E-08	5.51E-08	9.91E-10	-5.41E-08
2535	497614.44, 3858351.52	8.91E-07	1.60E-08	-8.75E-07	3.75E-08	6.75E-10	-3.68E-08	5.61E-08	1.01E-09	-5.51E-08
2536	497364.44, 3858401.52	8.41E-07	1.51E-08	-8.26E-07	3.54E-08	6.37E-10	-3.47E-08	5.30E-08	9.54E-10	-5.20E-08
2537	497414.44, 3858401.52	8.64E-07	1.56E-08	-8.48E-07	3.63E-08	6.54E-10	-3.57E-08	5.44E-08	9.80E-10	-5.34E-08
2538	497464.44, 3858401.52	8.80E-07	1.58E-08	-8.64E-07	3.70E-08	6.66E-10	-3.63E-08	5.54E-08	9.98E-10	-5.44E-08
2539	497514.44, 3858401.52	8.97E-07	1.61E-08	-8.81E-07	3.77E-08	6.79E-10	-3.71E-08	5.65E-08	1.02E-09	-5.55E-08
2540	497564.44, 3858401.52	9.21E-07	1.66E-08	-9.05E-07	3.88E-08	6.98E-10	-3.81E-08	5.80E-08	1.04E-09	-5.70E-08
2541	497614.44, 3858401.52	9.37E-07	1.69E-08	-9.20E-07	3.94E-08	7.10E-10	-3.87E-08	5.90E-08	1.06E-09	-5.80E-08
2542	493478.11, 3860497.94	1.62E-05	2.91E-07	-1.59E-05	6.81E-07	1.23E-08	-6.68E-07	1.02E-06	1.83E-08	-1.00E-06
2543	493528.11, 3860497.94	1.66E-05	2.98E-07	-1.63E-05	6.97E-07	1.25E-08	-6.84E-07	1.04E-06	1.88E-08	-1.02E-06
2544	493478.11, 3860547.94	1.92E-05	3.46E-07	-1.89E-05	8.09E-07	1.46E-08	-7.94E-07	1.21E-06	2.18E-08	-1.19E-06
2545	493528.11, 3860547.94	1.98E-05	3.57E-07	-1.95E-05	8.34E-07	1.50E-08	-8.19E-07	1.25E-06	2.25E-08	-1.23E-06
2546	493478.11, 3860597.94	2.29E-05	4.13E-07	-2.25E-05	9.64E-07	1.74E-08	-9.47E-07	1.44E-06	2.60E-08	-1.42E-06
2547	493528.11, 3860597.94	2.36E-05	4.26E-07	-2.32E-05	9.94E-07	1.79E-08	-9.76E-07	1.49E-06	2.68E-08	-1.46E-06
2548	493561.88, 3860524.64	1.84E-05	3.31E-07	-1.80E-05	7.73E-07	1.39E-08	-7.59E-07	1.16E-06	2.08E-08	-1.14E-06
2549	493591.88, 3860524.64	1.83E-05	3.30E-07	-1.80E-05	7.71E-07	1.39E-08	-7.57E-07	1.15E-06	2.08E-08	-1.13E-06
2550	493561.88, 3860554.64	2.05E-05	3.70E-07	-2.02E-05	8.63E-07	1.55E-08	-8.48E-07	1.29E-06	2.33E-08	-1.27E-06
2551	493591.88, 3860554.64	2.03E-05	3.65E-07	-1.99E-05	8.52E-07	1.53E-08	-8.37E-07	1.28E-06	2.30E-08	-1.25E-06
2552	492880.5, 3860293.11	8.63E-06	1.55E-07	-8.48E-06	3.63E-07	6.54E-09	-3.57E-07	5.44E-07	9.79E-09	-5.34E-07
2553	492930.5, 3860293.11	8.49E-06	1.53E-07	-8.33E-06	3.57E-07	6.43E-09	-3.51E-07	5.35E-07	9.63E-09	-5.25E-07
2554	492980.5, 3860293.11	8.33E-06	1.50E-07	-8.18E-06	3.51E-07	6.31E-09	-3.44E-07	5.25E-07	9.45E-09	-5.16E-07
2555	493030.5, 3860293.11	6.90E-06	1.24E-07	-6.77E-06	2.90E-07	5.22E-09	-2.85E-07	4.34E-07	7.82E-09	-4.27E-07
2556	493080.5, 3860293.11	6.73E-06	1.21E-07	-6.61E-06	2.83E-07	5.10E-09	-2.78E-07	4.24E-07	7.64E-09	-4.16E-07
2557	493130.5, 3860293.11	7.46E-06	1.34E-07	-7.32E-06	3.14E-07	5.65E-09	-3.08E-07	4.70E-07	8.46E-09	-4.61E-07
2558	493180.5, 3860293.11	8.13E-06	1.46E-07	-7.98E-06	3.42E-07	6.16E-09	-3.36E-07	5.12E-07	9.22E-09	-5.03E-07
2559	493230.5, 3860293.11	8.34E-06	1.50E-07	-8.19E-06	3.51E-07	6.31E-09	-3.44E-07	5.25E-07	9.46E-09	-5.16E-07
2560	493280.5, 3860293.11	7.95E-06	1.43E-07	-7.80E-06	3.34E-07	6.02E-09	-3.28E-07	5.01E-07	9.01E-09	-4.92E-07
2561	493330.5, 3860293.11	7.86E-06	1.41E-07	-7.72E-06	3.31E-07	5.95E-09	-3.25E-07	4.95E-07	8.91E-09	-4.86E-07
2562	493380.5, 3860293.11	7.90E-06	1.42E-07	-7.75E-06	3.32E-07	5.98E-09	-3.26E-07	4.97E-07	8.96E-09	-4.88E-07
2563	492880.5, 3860343.11	9.61E-06	1.73E-07	-9.43E-06	4.04E-07	7.28E-09	-3.97E-07	6.05E-07	1.09E-08	-5.94E-07
2564	492930.5, 3860343.11	9.55E-06	1.72E-07	-9.38E-06	4.02E-07	7.23E-09	-3.95E-07	6.02E-07	1.08E-08	-5.91E-07

2565	492980.5, 3860343.11	8.51E-06	1.53E-07	-8.36E-06	3.58E-07	6.45E-09	-3.52E-07	5.36E-07	9.66E-09	-5.27E-07
2566	493030.5, 3860343.11	7.92E-06	1.43E-07	-7.78E-06	3.33E-07	6.00E-09	-3.27E-07	4.99E-07	8.98E-09	-4.90E-07
2567	493080.5, 3860343.11	7.84E-06	1.41E-07	-7.70E-06	3.30E-07	5.94E-09	-3.24E-07	4.94E-07	8.89E-09	-4.85E-07
2568	493130.5, 3860343.11	8.26E-06	1.49E-07	-8.11E-06	3.48E-07	6.26E-09	-3.41E-07	5.20E-07	9.37E-09	-5.11E-07
2569	493180.5, 3860343.11	8.64E-06	1.56E-07	-8.48E-06	3.63E-07	6.54E-09	-3.57E-07	5.44E-07	9.80E-09	-5.34E-07
2570	493230.5, 3860343.11	9.42E-06	1.70E-07	-9.26E-06	3.96E-07	7.14E-09	-3.89E-07	5.94E-07	1.07E-08	-5.83E-07
2571	493280.5, 3860343.11	9.01E-06	1.62E-07	-8.85E-06	3.79E-07	6.83E-09	-3.72E-07	5.68E-07	1.02E-08	-5.58E-07
2572	493330.5, 3860343.11	8.82E-06	1.59E-07	-8.66E-06	3.71E-07	6.68E-09	-3.64E-07	5.56E-07	1.00E-08	-5.46E-07
2573	493380.5, 3860343.11	8.90E-06	1.60E-07	-8.74E-06	3.75E-07	6.74E-09	-3.68E-07	5.61E-07	1.01E-08	-5.51E-07
2574	492880.5, 3860393.11	1.08E-05	1.94E-07	-1.06E-05	4.54E-07	8.18E-09	-4.46E-07	6.80E-07	1.22E-08	-6.68E-07
2575	492930.5, 3860393.11	1.05E-05	1.90E-07	-1.04E-05	4.44E-07	7.98E-09	-4.36E-07	6.64E-07	1.20E-08	-6.52E-07
2576	492980.5, 3860393.11	9.45E-06	1.70E-07	-9.28E-06	3.97E-07	7.15E-09	-3.90E-07	5.95E-07	1.07E-08	-5.84E-07
2577	493030.5, 3860393.11	9.03E-06	1.63E-07	-8.87E-06	3.80E-07	6.84E-09	-3.73E-07	5.69E-07	1.02E-08	-5.59E-07
2578	493080.5, 3860393.11	8.93E-06	1.61E-07	-8.77E-06	3.76E-07	6.76E-09	-3.69E-07	5.62E-07	1.01E-08	-5.52E-07
2579	493130.5, 3860393.11	9.60E-06	1.73E-07	-9.43E-06	4.04E-07	7.27E-09	-3.97E-07	6.05E-07	1.09E-08	-5.94E-07
2580	493180.5, 3860393.11	1.06E-05	1.91E-07	-1.04E-05	4.46E-07	8.04E-09	-4.38E-07	6.68E-07	1.20E-08	-6.56E-07
2581	493230.5, 3860393.11	1.08E-05	1.94E-07	-1.06E-05	4.53E-07	8.15E-09	-4.45E-07	6.78E-07	1.22E-08	-6.66E-07
2582	493280.5, 3860393.11	1.03E-05	1.85E-07	-1.01E-05	4.33E-07	7.80E-09	-4.26E-07	6.49E-07	1.17E-08	-6.37E-07
2583	493330.5, 3860393.11	1.01E-05	1.82E-07	-9.93E-06	4.25E-07	7.66E-09	-4.18E-07	6.37E-07	1.15E-08	-6.25E-07
2584	493380.5, 3860393.11	1.02E-05	1.83E-07	-9.98E-06	4.27E-07	7.69E-09	-4.20E-07	6.40E-07	1.15E-08	-6.28E-07
2585	492880.5, 3860443.11	1.20E-05	2.16E-07	-1.18E-05	5.05E-07	9.10E-09	-4.96E-07	7.57E-07	1.36E-08	-7.43E-07
2586	492930.5, 3860443.11	1.22E-05	2.20E-07	-1.20E-05	5.13E-07	9.24E-09	-5.04E-07	7.68E-07	1.38E-08	-7.54E-07
2587	492980.5, 3860443.11	1.13E-05	2.04E-07	-1.11E-05	4.76E-07	8.57E-09	-4.68E-07	7.13E-07	1.28E-08	-7.00E-07
2588	493030.5, 3860443.11	1.12E-05	2.01E-07	-1.10E-05	4.70E-07	8.46E-09	-4.62E-07	7.04E-07	1.27E-08	-6.91E-07
2589	493080.5, 3860443.11	1.07E-05	1.93E-07	-1.05E-05	4.51E-07	8.12E-09	-4.43E-07	6.75E-07	1.22E-08	-6.63E-07
2590	493130.5, 3860443.11	1.08E-05	1.95E-07	-1.06E-05	4.55E-07	8.18E-09	-4.46E-07	6.81E-07	1.23E-08	-6.68E-07
2591	493180.5, 3860443.11	1.27E-05	2.29E-07	-1.25E-05	5.34E-07	9.61E-09	-5.24E-07	8.00E-07	1.44E-08	-7.85E-07
2592	493230.5, 3860443.11	1.22E-05	2.19E-07	-1.20E-05	5.12E-07	9.22E-09	-5.03E-07	7.67E-07	1.38E-08	-7.53E-07
2593	493280.5, 3860443.11	1.21E-05	2.17E-07	-1.19E-05	5.08E-07	9.14E-09	-4.99E-07	7.60E-07	1.37E-08	-7.47E-07
2594	493330.5, 3860443.11	1.16E-05	2.10E-07	-1.14E-05	4.90E-07	8.81E-09	-4.81E-07	7.33E-07	1.32E-08	-7.20E-07
2595	493380.5, 3860443.11	1.20E-05	2.16E-07	-1.18E-05	5.05E-07	9.09E-09	-4.96E-07	7.56E-07	1.36E-08	-7.42E-07
2596	493180.5, 3860493.11	1.44E-05	2.59E-07	-1.41E-05	6.05E-07	1.09E-08	-5.94E-07	9.06E-07	1.63E-08	-8.89E-07
2597	493230.5, 3860493.11	1.43E-05	2.57E-07	-1.40E-05	6.00E-07	1.08E-08	-5.89E-07	8.98E-07	1.62E-08	-8.82E-07
2598	493280.5, 3860493.11	1.41E-05	2.53E-07	-1.38E-05	5.92E-07	1.07E-08	-5.81E-07	8.86E-07	1.60E-08	-8.70E-07
2599	493330.5, 3860493.11	1.41E-05	2.54E-07	-1.38E-05	5.93E-07	1.07E-08	-5.82E-07	8.88E-07	1.60E-08	-8.72E-07
2600	493380.5, 3860493.11	1.46E-05	2.63E-07	-1.43E-05	6.15E-07	1.11E-08	-6.04E-07	9.20E-07	1.66E-08	-9.04E-07
2601	493330.5, 3860543.11	1.67E-05	3.01E-07	-1.64E-05	7.03E-07	1.27E-08	-6.91E-07	1.05E-06	1.90E-08	-1.03E-06
2602	493380.5, 3860543.11	1.74E-05	3.14E-07	-1.71E-05	7.34E-07	1.32E-08	-7.20E-07	1.10E-06	1.98E-08	-1.08E-06
2603	494135.94, 3860876.85	6.10E-05	1.10E-06	-5.99E-05	2.57E-06	4.62E-08	-2.52E-06	3.84E-06	6.92E-08	-3.78E-06
2604	494185.94, 3860876.85	6.04E-05	1.09E-06	-5.93E-05	2.54E-06	4.58E-08	-2.50E-06	3.81E-06	6.85E-08	-3.74E-06
2605	494135.94, 3860926.85	7.40E-05	1.33E-06	-7.27E-05	3.11E-06	5.61E-08	-3.06E-06	4.66E-06	8.40E-08	-4.58E-06
2606	494185.94, 3860926.85	7.25E-05	1.30E-06	-7.12E-05	3.05E-06	5.49E-08	-2.99E-06	4.57E-06	8.22E-08	-4.48E-06
2607	494135.94, 3860976.85	8.92E-05	1.61E-06	-8.76E-05	3.75E-06	6.76E-08	-3.69E-06	5.62E-06	1.01E-07	-5.52E-06
2608	494185.94, 3860976.85	8.69E-05	1.56E-06	-8.53E-05	3.65E-06	6.58E-08	-3.59E-06	5.47E-06	9.85E-08	-5.37E-06
2609	494135.94, 3861026.85	1.09E-04	1.96E-06	-1.07E-04	4.58E-06	8.25E-08	-4.50E-06	6.86E-06	1.24E-07	-6.74E-06
2610	494185.94, 3861026.85	1.05E-04	1.89E-06	-1.03E-04	4.42E-06	7.96E-08	-4.34E-06	6.62E-06	1.19E-07	-6.50E-06
2611	494135.94, 3861076.85	1.33E-04	2.40E-06	-1.31E-04	5.60E-06	1.01E-07	-5.50E-06	8.39E-06	1.51E-07	-8.24E-06
2612	494185.94, 3861076.85	1.28E-04	2.31E-06	-1.26E-04	5.39E-06	9.70E-08	-5.29E-06	8.07E-06	1.45E-07	-7.93E-06
2613	490360.04, 3858710.04	2.28E-06	4.10E-08	-2.24E-06	9.58E-08	1.72E-09	-9.41E-08	1.43E-07	2.58E-09	-1.41E-07
2614	490410.04, 3858710.04	2.22E-06	3.99E-08	-2.18E-06	9.33E-08	1.68E-09	-9.16E-08	1.40E-07	2.52E-09	-1.37E-07
2615	490460.04, 3858710.04	2.12E-06	3.81E-08	-2.08E-06	8.90E-08	1.60E-09	-8.74E-08	1.33E-07	2.40E-09	-1.31E-07
2616	490510.04, 3858710.04	2.06E-06	3.72E-08	-2.03E-06	8.69E-08	1.56E-09	-8.53E-08	1.30E-07	2.34E-09	-1.28E-07
2617	490560.04, 3858710.04	2.03E-06	3.65E-08	-1.99E-06	8.53E-08	1.54E-09	-8.38E-08	1.28E-07	2.30E-09	-1.25E-07
2618	490610.04, 3858710.04	1.98E-06	3.57E-08	-1.95E-06	8.35E-08	1.50E-09	-8.20E-08	1.25E-07	2.25E-09	-1.23E-07
2619	490660.04, 3858710.04	1.98E-06	3.56E-08	-1.94E-06	8.32E-08	1.50E-09	-8.17E-08	1.25E-07	2.24E-09	-1.22E-07
2620	490710.04, 3858710.04	1.92E-06	3.46E-08	-1.89E-06	8.09E-08	1.46E-09	-7.94E-08	1.21E-07	2.18E-09	-1.19E-07
2621	490760.04, 3858710.04	1.88E-06	3.39E-08	-1.85E-06	7.93E-08	1.43E-09	-7.78E-08	1.19E-07	2.14E-09	-1.17E-07
2622	490810.04, 3858710.04	1.85E-06	3.34E-08	-1.82E-06	7.79E-08	1.40E-09	-7.65E-08	1.17E-07	2.10E-09	-1.15E-07
2623	490860.04, 3858710.04	1.81E-06	3.25E-08	-1.77E-06	7.59E-08	1.37E-09	-7.46E-08	1.14E-07	2.05E-09	-1.12E-07
2624	490360.04, 3858760.04	2.30E-06	4.14E-08	-2.26E-06	9.67E-08	1.74E-09	-9.49E-08	1.45E-07	2.61E-09	-1.42E-07
2625	490410.04, 3858760.04	2.24E-06	4.02E-08	-2.19E-06	9.40E-08	1.69E-09	-9.23E-08	1.41E-07	2.53E-09	-1.38E-07
2626	490460.04, 3858760.04	2.16E-06	3.89E-08	-2.12E-06	9.08E-08	1.64E-09	-8.92E-08	1.36E-07	2.45E-09	-1.34E-07
2627	490510.04, 3858760.04	2.08E-06	3.75E-08	-2.04E-06	8.76E-08	1.58E-09	-8.60E-08	1.31E-07	2.36E-09	-1.29E-07
2628	490560.04, 3858760.04	2.03E-06	3.66E-08	-2.00E-06	8.55E-08	1.54E-09	-8.40E-08	1.28E-07	2.31E-09	-1.26E-07
2629	490610.04, 3858760.04	1.98E-06	3.56E-08	-1.94E-06	8.32E-08	1.50E-09	-8.17E-08	1.25E-07	2.24E-09	-1.22E-07
2630	490660.04, 3858760.04	1.93E-06	3.48E-08	-1.90E-06	8.13E-08	1.46E-09	-7.98E-08	1.22E-07	2.19E-09	-1.20E-07
2631	490710.04, 3858760.04	1.89E-06	3.40E-08	-1.85E-06	7.94E-08	1.43E-09	-7.80E-08	1.19E-07	2.14E-09	-1.17E-07
2632	490760.04, 3858760.04	1.84E-06	3.30E-08	-1.80E-06	7.72E-08	1.39E-09	-7.58E-08	1.16E-07	2.08E-09	-1.14E-07
2633	490810.04, 3858760.04	1.79E-06	3.23E-08	-1.76E-06	7.55E-08	1.36E-09	-7.41E-08	1.13E-07	2.03E-09	-1.11E-07
2634	490860.04, 3858760.04	1.77E-06	3.18E-08	-1.74E-06	7.44E-08	1.34E-09	-7.30E-08	1.11E-07	2.01E-09	-1.09E-07
2635	490360.04, 3858810.04	2.28E-06	4.10E-08	-2.24E-06	9.58E-08	1.72E-09	-9.41E-08	1.43E-07	2.58E-09	-1.41E-07
2636	490410.04, 3858810.04	2.22E-06	3.99E-08	-2.18E-06	9.32E-08	1.68E-09	-9.15E-08	1.40E-07	2.51E-09	-1.37E-07
2637	490460.04, 3858810.04	2.15E-06	3.87E-08	-2.11E-06	9.05E-08	1.63E-09	-8.88E-08	1.35E-07	2.44E-09	-1.33E-07
2638	490510.04, 3858810.04	2.11E-06	3.80E-08	-2.08E-06	8.89E-08	1.60E-09	-8.73E-08	1.33E-07	2.40E-09	-1.31E-07
2639	490560.04, 3858810.04	2.07E-06	3.72E-08	-2.03E-06	8.69E-08	1.56E-09	-8.54E-08	1.30E-07	2.34E-09	-1.28E-07
2640	490610.04, 3858810.04	1.99E-06	3.59E-08	-1.96E-06	8.38E-08	1.51E-09	-8.23E-08	1.25E-07	2.26E-09	-1.23E-07
2641	490660.04, 3858810.04	1.94E-06	3.49E-08	-1.90E-06	8.15E-08	1.47E-09	-8.00E-08	1.22E-07	2.20E-09	-1.20E-07
2642	490710.04, 3858810.04	1.88E-06	3.38E-08	-1.84E-06	7.90E-08	1.42E-09	-7.75E-08	1.18E-07	2.13E-09	-1.16E-07
2643	490760.04, 3858810.04	1.80E-06	3.24E-08	-1.77E-06	7.57E-08	1.36E-09	-7.43E-08	1.13E-07	2.04E-09	-1.11E-07
2644	490810.04, 3858810.04	1.78E-06	3.21E-08	-1.75E-06	7.50E-08	1.35E-09	-7.37E-08	1.12E-07	2.02E-09	-1.10E-07
2645	490860.04, 3858810.04	1.74E-06	3.13E-08	-1.71E-06	7.31E-08	1.32E-09	-7.17E-08	1.09E-07	1.97E-09	-1.07E-07
2646	490360.04, 3858860.04	2.22E-06	3.99E-08	-2.18E-06	9.33E-08	1.68E-09	-9.16E-08	1.40E-07	2.52E-09	-1.37E-07
2647	490410.04, 3858860.04	2.22E-06	3.99E-08	-2.18E-06	9.32E-08	1.68E-09	-9.15E-08	1.40E-07	2.51E-09	-1.37E-07
2648	490460.04, 3858860.04	2.14E-06	3.86E-08	-2.10E-06	9.02E-08	1.62E-09	-8.85E-08	1.35E-07	2.43E-09	-1.33E-07
2649	490510.04, 3858860.04	2.14E-06	3.85E-08	-2.10E-06	8.99E-08	1.62E-09	-8.83E-08	1.35E-07	2.42E-09	-1.32E-07
2650	490560.04, 3858860.04	2.08E-06	3.74E-08	-2.04E-06	8.74E-08	1.57E-09	-8.58E-08	1.31E-07	2.36E-09	-1.29E-07
2651	490610.04, 3858860.04	1.98E-06	3.57E-08	-1.95E-06	8.34E-08	1.50E-09	-8.19E-08	1.25E-07	2.25E-09	-1.23E-07
2652	490660.04, 3858860.04	1.94E-06	3.48E-08	-1.90E-06	8.14E-08	1.47E-09	-8.00E-08	1.22E-07	2.20E-09	-1.20E-07
2653	490710.04, 3858860.04	1.90E-06	3.43E-08	-1.87E-06	8.01E-08	1.44E-09	-7.87E-08	1.20E-07	2.16E-09	-1.18E-07
2654	490760.04, 3858860.04	1.83E-06	3.29E-08	-1.80E-06	7.69E-08	1.38E-09	-7.55E-08	1.15E-07	2.07E-09	-1.13E-07
2655	490810.04, 3858860.04	1.77E-06	3.18E-08	-1.73E-06	7.43E-08	1.34E-09	-7.29E-08	1.11E-07	2.00E-09	-1.09E-07
2656	490860.04, 3858860.04	1.70E-06	3.07E-08	-1.67E-06	7.17E-08	1.29E-09	-7.04E-08	1.07E-07	1.93E-09	-1.05E-07
2657	490360.04, 3858910.04	2.27E-06	4.08E-08	-2.22E-06	9.53E-08	1.72E-09	-9.36E-08	1.43E-07	2.57E-09	-1.40E-07
2658	490410.04, 3858910.04	2.23E-06	4.01E-08	-2.19E-06	9.36E-08	1.69E-09	-9.19E-08	1.40E-07	2.52E-09	-1.38E-07
2659	490460.04, 3858910.04	2.18E-06	3.92E-08	-2.14E-06	9.16E-08	1.65E-09	-8.99E-08	1.37E-07	2.47E-09	-1.35E-07
2660	490510.04, 3858910.04	2.12E-06	3.82E-08	-2.08E-06	8.91E-08	1.60E-09	-8.75E-08	1.33E-07	2.40E-09	-1.31E-07
2661	490560.04, 3858910.04	2.05E-06	3.70E-08	-2.02E-06	8.64E-08	1.56E-09	-8.49E-08	1.29E-07	2.33E-09	-1.27E-07
2662	490610.04, 3858910.04	1.99E-06	3.58E-08	-1.95E-06	8.35E-08	1.50E-09	-8.20E-08	1.25E-07	2.25E-09	-1.23E-07
2663	490660.04, 3858910.04	1.94E-06	3.49E-08	-1.90E-06	8.16E-08	1.47E-09	-8.01E-08	1.22E-07	2.20E-09	-1.20E-07
2664	490710.04, 3858910.04	1.88E-06	3.38E-08	-1.84E-06	7.90E-08	1.42E-09	-7.75E-08	1.18E-07	2.13E-09	-1.16E-07
2665	490760.04, 3858910.04	1.80E-06	3.24E-08	-1.77E-06	7.58E-08	1.36E-09	-7.44E-08	1.13E-07	2.04E-09	-1.11E-07
2666	490810.04, 3858910.04	1.76E-06	3.16E-08	-1.72E-06	7.38E-08	1.33E-09	-7.25E-08	1.11E-07	1.99E-09	-1.09E-07
2667	490860.04, 3858910.04	1.69E-06	3.04E-08	-1.66E-06	7.09E-08	1.28E-09	-6.97E-08	1.06E-07	1.91E-09	-1.04E-07
2668	490360.04, 3858960.04	2.25E-06	4.05E-08	-2.21E-06	9.46E-08	1.70E-09	-9.29E-08	1.42E-07	2.55E-09	-1.39E-07
2669	490410.04, 3858960.04	2.19E-06	3.94E-08	-2.15E-06	9.21E-08	1.66E-09	-9.04E-08	1.38E-07	2.48E-09	-1.35E-07
2670	490460.04, 3858960.04	2.13E-06	3.83E-08	-2.09E-06	8.94E-08	1.61E-09	-8.78E-08	1.34E-07	2.41E-09	-1.32E-07
2671	490510.04, 3858960.04	2.08E-06	3.75E-08	-2.04E-06	8.75E-08	1.58E-09	-8.59E-08	1.31E-07	2.36E-09	-1.29E-07

2672	490560.04, 3858960.04	2.03E-06	3.66E-08	-2.00E-06	8.55E-08	1.54E-09	-8.39E-08	1.28E-07	2.30E-09	-1.26E-07
2673	490610.04, 3858960.04	1.95E-06	3.52E-08	-1.92E-06	8.22E-08	1.48E-09	-8.07E-08	1.23E-07	2.22E-09	-1.21E-07
2674	490660.04, 3858960.04	1.94E-06	3.49E-08	-1.91E-06	8.16E-08	1.47E-09	-8.01E-08	1.22E-07	2.20E-09	-1.20E-07
2675	490710.04, 3858960.04	1.86E-06	3.36E-08	-1.83E-06	7.84E-08	1.41E-09	-7.70E-08	1.17E-07	2.11E-09	-1.15E-07
2676	490760.04, 3858960.04	1.80E-06	3.25E-08	-1.77E-06	7.59E-08	1.37E-09	-7.45E-08	1.14E-07	2.05E-09	-1.12E-07
2677	490810.04, 3858960.04	1.74E-06	3.14E-08	-1.71E-06	7.34E-08	1.32E-09	-7.20E-08	1.10E-07	1.98E-09	-1.08E-07
2678	490860.04, 3858960.04	1.67E-06	3.01E-08	-1.64E-06	7.03E-08	1.27E-09	-6.90E-08	1.05E-07	1.89E-09	-1.03E-07
2679	490360.04, 3859010.04	2.24E-06	4.03E-08	-2.20E-06	9.42E-08	1.70E-09	-9.25E-08	1.41E-07	2.54E-09	-1.38E-07
2680	490410.04, 3859010.04	2.16E-06	3.90E-08	-2.13E-06	9.11E-08	1.64E-09	-8.94E-08	1.36E-07	2.46E-09	-1.34E-07
2681	490460.04, 3859010.04	2.08E-06	3.74E-08	-2.04E-06	8.74E-08	1.57E-09	-8.58E-08	1.31E-07	2.36E-09	-1.29E-07
2682	490510.04, 3859010.04	2.00E-06	3.60E-08	-1.97E-06	8.42E-08	1.52E-09	-8.27E-08	1.26E-07	2.27E-09	-1.24E-07
2683	490560.04, 3859010.04	1.99E-06	3.58E-08	-1.95E-06	8.35E-08	1.50E-09	-8.20E-08	1.25E-07	2.25E-09	-1.23E-07
2684	490610.04, 3859010.04	1.92E-06	3.45E-08	-1.88E-06	8.07E-08	1.45E-09	-7.93E-08	1.21E-07	2.18E-09	-1.19E-07
2685	490660.04, 3859010.04	1.91E-06	3.44E-08	-1.88E-06	8.05E-08	1.45E-09	-7.90E-08	1.20E-07	2.17E-09	-1.18E-07
2686	490710.04, 3859010.04	1.84E-06	3.31E-08	-1.81E-06	7.74E-08	1.39E-09	-7.60E-08	1.16E-07	2.09E-09	-1.14E-07
2687	490760.04, 3859010.04	1.78E-06	3.21E-08	-1.75E-06	7.49E-08	1.35E-09	-7.36E-08	1.12E-07	2.02E-09	-1.10E-07
2688	490810.04, 3859010.04	1.72E-06	3.10E-08	-1.69E-06	7.24E-08	1.30E-09	-7.11E-08	1.08E-07	1.95E-09	-1.06E-07
2689	490860.04, 3859010.04	1.67E-06	3.00E-08	-1.64E-06	7.02E-08	1.26E-09	-6.89E-08	1.05E-07	1.89E-09	-1.03E-07
2690	490360.04, 3859060.04	2.22E-06	3.99E-08	-2.18E-06	9.32E-08	1.68E-09	-9.16E-08	1.40E-07	2.51E-09	-1.37E-07
2691	490410.04, 3859060.04	2.10E-06	3.79E-08	-2.07E-06	8.85E-08	1.59E-09	-8.69E-08	1.32E-07	2.39E-09	-1.30E-07
2692	490460.04, 3859060.04	2.03E-06	3.66E-08	-2.00E-06	8.55E-08	1.54E-09	-8.40E-08	1.28E-07	2.31E-09	-1.26E-07
2693	490510.04, 3859060.04	1.98E-06	3.57E-08	-1.95E-06	8.34E-08	1.50E-09	-8.19E-08	1.25E-07	2.25E-09	-1.23E-07
2694	490560.04, 3859060.04	1.91E-06	3.45E-08	-1.88E-06	8.05E-08	1.45E-09	-7.91E-08	1.21E-07	2.17E-09	-1.18E-07
2695	490610.04, 3859060.04	1.89E-06	3.40E-08	-1.85E-06	7.94E-08	1.43E-09	-7.80E-08	1.19E-07	2.14E-09	-1.17E-07
2696	490660.04, 3859060.04	1.87E-06	3.36E-08	-1.83E-06	7.85E-08	1.41E-09	-7.71E-08	1.18E-07	2.12E-09	-1.15E-07
2697	490710.04, 3859060.04	1.80E-06	3.24E-08	-1.77E-06	7.57E-08	1.36E-09	-7.43E-08	1.13E-07	2.04E-09	-1.11E-07
2698	490760.04, 3859060.04	1.75E-06	3.14E-08	-1.72E-06	7.35E-08	1.32E-09	-7.22E-08	1.10E-07	1.98E-09	-1.08E-07
2699	490810.04, 3859060.04	1.69E-06	3.04E-08	-1.66E-06	7.11E-08	1.28E-09	-6.98E-08	1.07E-07	1.92E-09	-1.05E-07
2700	490860.04, 3859060.04	1.64E-06	2.96E-08	-1.61E-06	6.91E-08	1.24E-09	-6.78E-08	1.03E-07	1.86E-09	-1.02E-07
2701	490360.04, 3859110.04	2.24E-06	4.02E-08	-2.19E-06	9.40E-08	1.69E-09	-9.23E-08	1.41E-07	2.53E-09	-1.38E-07
2702	490410.04, 3859110.04	2.12E-06	3.81E-08	-2.08E-06	8.91E-08	1.60E-09	-8.75E-08	1.33E-07	2.40E-09	-1.31E-07
2703	490460.04, 3859110.04	2.06E-06	3.71E-08	-2.02E-06	8.67E-08	1.56E-09	-8.52E-08	1.30E-07	2.34E-09	-1.28E-07
2704	490510.04, 3859110.04	1.94E-06	3.49E-08	-1.90E-06	8.15E-08	1.47E-09	-8.00E-08	1.22E-07	2.20E-09	-1.20E-07
2705	490560.04, 3859110.04	1.89E-06	3.39E-08	-1.85E-06	7.93E-08	1.43E-09	-7.79E-08	1.19E-07	2.14E-09	-1.17E-07
2706	490610.04, 3859110.04	1.83E-06	3.29E-08	-1.80E-06	7.70E-08	1.39E-09	-7.56E-08	1.15E-07	2.08E-09	-1.13E-07
2707	490660.04, 3859110.04	1.77E-06	3.18E-08	-1.73E-06	7.43E-08	1.34E-09	-7.29E-08	1.11E-07	2.00E-09	-1.09E-07
2708	490710.04, 3859110.04	1.74E-06	3.14E-08	-1.71E-06	7.34E-08	1.32E-09	-7.20E-08	1.10E-07	1.98E-09	-1.08E-07
2709	490760.04, 3859110.04	1.70E-06	3.06E-08	-1.67E-06	7.16E-08	1.29E-09	-7.03E-08	1.07E-07	1.93E-09	-1.05E-07
2710	490810.04, 3859110.04	1.65E-06	2.97E-08	-1.62E-06	6.93E-08	1.25E-09	-6.81E-08	1.04E-07	1.87E-09	-1.02E-07
2711	490860.04, 3859110.04	1.60E-06	2.87E-08	-1.57E-06	6.71E-08	1.21E-09	-6.59E-08	1.01E-07	1.81E-09	-9.87E-08
2712	490360.04, 3859160.04	2.28E-06	4.10E-08	-2.24E-06	9.58E-08	1.72E-09	-9.41E-08	1.43E-07	2.58E-09	-1.41E-07
2713	490410.04, 3859160.04	2.16E-06	3.89E-08	-2.12E-06	9.09E-08	1.64E-09	-8.93E-08	1.36E-07	2.45E-09	-1.34E-07
2714	490460.04, 3859160.04	2.07E-06	3.74E-08	-2.04E-06	8.73E-08	1.57E-09	-8.57E-08	1.31E-07	2.35E-09	-1.28E-07
2715	490510.04, 3859160.04	1.99E-06	3.58E-08	-1.95E-06	8.37E-08	1.51E-09	-8.22E-08	1.25E-07	2.26E-09	-1.23E-07
2716	490560.04, 3859160.04	1.89E-06	3.40E-08	-1.86E-06	7.95E-08	1.43E-09	-7.81E-08	1.19E-07	2.14E-09	-1.17E-07
2717	490610.04, 3859160.04	1.84E-06	3.32E-08	-1.81E-06	7.76E-08	1.40E-09	-7.62E-08	1.16E-07	2.09E-09	-1.14E-07
2718	490660.04, 3859160.04	1.72E-06	3.10E-08	-1.69E-06	7.25E-08	1.31E-09	-7.12E-08	1.09E-07	1.95E-09	-1.07E-07
2719	490710.04, 3859160.04	1.70E-06	3.06E-08	-1.67E-06	7.14E-08	1.29E-09	-7.01E-08	1.07E-07	1.93E-09	-1.05E-07
2720	490760.04, 3859160.04	1.63E-06	2.93E-08	-1.60E-06	6.85E-08	1.23E-09	-6.72E-08	1.03E-07	1.85E-09	-1.01E-07
2721	490810.04, 3859160.04	1.60E-06	2.89E-08	-1.57E-06	6.74E-08	1.21E-09	-6.62E-08	1.01E-07	1.82E-09	-9.92E-08
2722	490860.04, 3859160.04	1.57E-06	2.83E-08	-1.54E-06	6.62E-08	1.19E-09	-6.50E-08	9.91E-08	1.78E-09	-9.73E-08
2723	490360.04, 3859210.04	2.32E-06	4.18E-08	-2.28E-06	9.76E-08	1.76E-09	-9.59E-08	1.46E-07	2.63E-09	-1.44E-07
2724	490410.04, 3859210.04	2.27E-06	4.09E-08	-2.23E-06	9.55E-08	1.72E-09	-9.38E-08	1.43E-07	2.57E-09	-1.40E-07
2725	490460.04, 3859210.04	2.05E-06	3.70E-08	-2.02E-06	8.64E-08	1.56E-09	-8.48E-08	1.29E-07	2.33E-09	-1.27E-07
2726	490510.04, 3859210.04	2.00E-06	3.60E-08	-1.97E-06	8.42E-08	1.52E-09	-8.27E-08	1.26E-07	2.27E-09	-1.24E-07
2727	490560.04, 3859210.04	1.95E-06	3.51E-08	-1.92E-06	8.21E-08	1.48E-09	-8.06E-08	1.23E-07	2.21E-09	-1.21E-07
2728	490610.04, 3859210.04	1.87E-06	3.37E-08	-1.84E-06	7.88E-08	1.42E-09	-7.74E-08	1.18E-07	2.13E-09	-1.16E-07
2729	490660.04, 3859210.04	1.73E-06	3.11E-08	-1.70E-06	7.26E-08	1.31E-09	-7.13E-08	1.09E-07	1.96E-09	-1.07E-07
2730	490710.04, 3859210.04	1.63E-06	2.93E-08	-1.60E-06	6.85E-08	1.23E-09	-6.73E-08	1.03E-07	1.85E-09	-1.01E-07
2731	490760.04, 3859210.04	1.64E-06	2.95E-08	-1.61E-06	6.90E-08	1.24E-09	-6.77E-08	1.03E-07	1.86E-09	-1.01E-07
2732	490810.04, 3859210.04	1.65E-06	2.97E-08	-1.62E-06	6.93E-08	1.25E-09	-6.81E-08	1.04E-07	1.87E-09	-1.02E-07
2733	490860.04, 3859210.04	1.65E-06	2.97E-08	-1.62E-06	6.95E-08	1.25E-09	-6.82E-08	1.04E-07	1.87E-09	-1.02E-07
2734	490360.04, 3859260.04	2.34E-06	4.21E-08	-2.30E-06	9.84E-08	1.77E-09	-9.66E-08	1.47E-07	2.65E-09	-1.45E-07
2735	490410.04, 3859260.04	2.26E-06	4.07E-08	-2.22E-06	9.52E-08	1.71E-09	-9.35E-08	1.43E-07	2.57E-09	-1.40E-07
2736	490460.04, 3859260.04	2.22E-06	3.99E-08	-2.18E-06	9.32E-08	1.68E-09	-9.16E-08	1.40E-07	2.51E-09	-1.37E-07
2737	490510.04, 3859260.04	2.07E-06	3.72E-08	-2.03E-06	8.70E-08	1.57E-09	-8.54E-08	1.30E-07	2.34E-09	-1.28E-07
2738	490560.04, 3859260.04	2.07E-06	3.73E-08	-2.03E-06	8.72E-08	1.57E-09	-8.56E-08	1.31E-07	2.35E-09	-1.28E-07
2739	490610.04, 3859260.04	1.94E-06	3.48E-08	-1.90E-06	8.14E-08	1.47E-09	-8.00E-08	1.22E-07	2.20E-09	-1.20E-07
2740	490660.04, 3859260.04	1.93E-06	3.48E-08	-1.90E-06	8.14E-08	1.46E-09	-7.99E-08	1.22E-07	2.19E-09	-1.20E-07
2741	490710.04, 3859260.04	1.77E-06	3.18E-08	-1.73E-06	7.43E-08	1.34E-09	-7.30E-08	1.11E-07	2.00E-09	-1.09E-07
2742	490760.04, 3859260.04	1.78E-06	3.21E-08	-1.75E-06	7.50E-08	1.35E-09	-7.36E-08	1.12E-07	2.02E-09	-1.10E-07
2743	490810.04, 3859260.04	1.78E-06	3.20E-08	-1.74E-06	7.47E-08	1.34E-09	-7.33E-08	1.12E-07	2.01E-09	-1.10E-07
2744	490860.04, 3859260.04	1.77E-06	3.18E-08	-1.73E-06	7.43E-08	1.34E-09	-7.30E-08	1.11E-07	2.00E-09	-1.09E-07
2745	490360.04, 3859310.04	2.46E-06	4.43E-08	-2.42E-06	1.03E-07	1.86E-09	-1.02E-07	1.55E-07	2.79E-09	-1.52E-07
2746	490410.04, 3859310.04	2.37E-06	4.26E-08	-2.33E-06	9.96E-08	1.79E-09	-9.78E-08	1.49E-07	2.69E-09	-1.47E-07
2747	490460.04, 3859310.04	2.30E-06	4.15E-08	-2.26E-06	9.69E-08	1.74E-09	-9.51E-08	1.45E-07	2.61E-09	-1.42E-07
2748	490510.04, 3859310.04	2.27E-06	4.08E-08	-2.23E-06	9.54E-08	1.72E-09	-9.37E-08	1.43E-07	2.57E-09	-1.40E-07
2749	490560.04, 3859310.04	2.22E-06	4.00E-08	-2.18E-06	9.35E-08	1.68E-09	-9.19E-08	1.40E-07	2.52E-09	-1.38E-07
2750	490610.04, 3859310.04	2.19E-06	3.95E-08	-2.15E-06	9.22E-08	1.66E-09	-9.06E-08	1.38E-07	2.49E-09	-1.36E-07
2751	490660.04, 3859310.04	2.13E-06	3.84E-08	-2.09E-06	8.96E-08	1.61E-09	-8.80E-08	1.34E-07	2.42E-09	-1.32E-07
2752	490710.04, 3859310.04	1.99E-06	3.58E-08	-1.95E-06	8.37E-08	1.51E-09	-8.22E-08	1.25E-07	2.26E-09	-1.23E-07
2753	490760.04, 3859310.04	1.93E-06	3.48E-08	-1.90E-06	8.13E-08	1.46E-09	-7.98E-08	1.22E-07	2.19E-09	-1.19E-07
2754	490810.04, 3859310.04	1.91E-06	3.45E-08	-1.88E-06	8.05E-08	1.45E-09	-7.91E-08	1.21E-07	2.17E-09	-1.18E-07
2755	490860.04, 3859310.04	1.87E-06	3.36E-08	-1.83E-06	7.86E-08	1.42E-09	-7.72E-08	1.18E-07	2.12E-09	-1.16E-07
2756	490360.04, 3859360.04	2.62E-06	4.73E-08	-2.58E-06	1.10E-07	1.99E-09	-1.08E-07	1.65E-07	2.98E-09	-1.62E-07
2757	490410.04, 3859360.04	2.56E-06	4.61E-08	-2.51E-06	1.08E-07	1.94E-09	-1.06E-07	1.61E-07	2.90E-09	-1.58E-07
2758	490460.04, 3859360.04	2.51E-06	4.52E-08	-2.47E-06	1.06E-07	1.90E-09	-1.04E-07	1.58E-07	2.85E-09	-1.55E-07
2759	490510.04, 3859360.04	2.46E-06	4.43E-08	-2.42E-06	1.04E-07	1.86E-09	-1.02E-07	1.55E-07	2.79E-09	-1.52E-07
2760	490560.04, 3859360.04	2.37E-06	4.27E-08	-2.33E-06	9.98E-08	1.80E-09	-9.80E-08	1.49E-07	2.69E-09	-1.47E-07
2761	490610.04, 3859360.04	2.30E-06	4.13E-08	-2.26E-06	9.66E-08	1.74E-09	-9.49E-08	1.45E-07	2.60E-09	-1.42E-07
2762	490660.04, 3859360.04	2.25E-06	4.04E-08	-2.21E-06	9.45E-08	1.70E-09	-9.28E-08	1.42E-07	2.55E-09	-1.39E-07
2763	490710.04, 3859360.04	2.15E-06	3.87E-08	-2.11E-06	9.05E-08	1.63E-09	-8.89E-08	1.36E-07	2.44E-09	-1.33E-07
2764	490760.04, 3859360.04	2.06E-06	3.70E-08	-2.02E-06	8.66E-08	1.56E-09	-8.50E-08	1.30E-07	2.33E-09	-1.27E-07
2765	490810.04, 3859360.04	2.06E-06	3.71E-08	-2.03E-06	8.68E-08	1.56E-09	-8.52E-08	1.30E-07	2.34E-09	-1.28E-07
2766	490860.04, 3859360.04	2.02E-06	3.64E-08	-1.99E-06	8.50E-08	1.53E-09	-8.35E-08	1.27E-07	2.29E-09	-1.25E-07
2767	490360.04, 3859410.04	2.84E-06	5.11E-08	-2.79E-06	1.19E-07	2.15E-09	-1.17E-07	1.79E-07	3.22E-09	-1.76E-07
2768	490410.04, 3859410.04	2.77E-06	4.99E-08	-2.72E-06	1.17E-07	2.10E-09	-1.14E-07	1.74E-07	3.14E-09	-1.71E-07
2769	490460.04, 3859410.04	2.71E-06	4.87E-08	-2.66E-06	1.14E-07	2.05E-09	-1.12E-07	1.70E-07	3.07E-09	-1.67E-07
2770	490510.04, 3859410.04	2.64E-06	4.75E-08	-2.59E-06	1.11E-07	2.00E-09	-1.09E-07	1.66E-07	2.99E-09	-1.63E-07
2771	490560.04, 3859410.04	2.58E-06	4.64E-08	-2.53E-06	1.08E-07	1.95E-09	-1.06E-07	1.62E-07	2.92E-09	-1.59E-07
2772	490610.04, 3859410.04	2.52E-06	4.53E-08	-2.47E-06	1.06E-07	1.91E-09	-1.04E-07	1.58E-07	2.85E-09	-1.56E-07
2773	490660.04, 3859410.04	2.31E-06	4.15E-08	-2.26E-06	9.70E-08	1.75E-09	-9.52E-08	1.45E-07	2.61E-09	-1.43E-07
2774	490710.04, 3859410.04	2.16E-06	3.90E-08	-2.12E-06	9.10E-08	1.64E-09	-8.94E-08	1.36E-07	2.45E-09	-1.34E-07
2775	490760.04, 3859410.04	2.11E-06	3.79E-08	-2.07E-06	8.87E-08	1.60E-09	-8.71E-08	1.33E-07	2.39E-09	-1.30E-07
2776	490810.04, 3859410.04	2.20E-06	3.96E-08	-2.16E-06	9.25E-08	1.66E-09	-9.08E-08	1.38E-07	2.49E-09	-1.36E-07
2777	490860.04, 3859410.04	2.22E-06	3.99E-08	-2.18E-06	9.33E-08	1.68E-09	-9.16E-08	1.40E-07	2.52E-09	-1.37E-07
2778	490360.04, 3859460.04	3.07E-06	5.52E-08	-3.01E-06	1.29E-07	2.32E-09	-1.27E-07	1.93E-07	3.48E-09	-1.90E-07

2779	490410.04, 3859460.04	2.96E-06	5.33E-08	-2.91E-06	1.24E-07	2.24E-09	-1.22E-07	1.86E-07	3.36E-09	-1.83E-07
2780	490460.04, 3859460.04	2.89E-06	5.20E-08	-2.84E-06	1.22E-07	2.19E-09	-1.19E-07	1.82E-07	3.28E-09	-1.79E-07
2781	490510.04, 3859460.04	2.82E-06	5.07E-08	-2.76E-06	1.18E-07	2.13E-09	-1.16E-07	1.77E-07	3.19E-09	-1.74E-07
2782	490560.04, 3859460.04	2.76E-06	4.96E-08	-2.71E-06	1.16E-07	2.09E-09	-1.14E-07	1.74E-07	3.12E-09	-1.70E-07
2783	490610.04, 3859460.04	2.67E-06	4.81E-08	-2.62E-06	1.12E-07	2.02E-09	-1.10E-07	1.68E-07	3.03E-09	-1.65E-07
2784	490660.04, 3859460.04	2.58E-06	4.64E-08	-2.53E-06	1.08E-07	1.95E-09	-1.07E-07	1.62E-07	2.92E-09	-1.60E-07
2785	490710.04, 3859460.04	2.37E-06	4.27E-08	-2.33E-06	9.98E-08	1.80E-09	-9.80E-08	1.49E-07	2.69E-09	-1.47E-07
2786	490760.04, 3859460.04	2.45E-06	4.42E-08	-2.41E-06	1.03E-07	1.86E-09	-1.01E-07	1.55E-07	2.78E-09	-1.52E-07
2787	490810.04, 3859460.04	2.39E-06	4.30E-08	-2.35E-06	1.01E-07	1.81E-09	-9.87E-08	1.51E-07	2.71E-09	-1.48E-07
2788	490860.04, 3859460.04	2.39E-06	4.31E-08	-2.35E-06	1.01E-07	1.81E-09	-9.88E-08	1.51E-07	2.71E-09	-1.48E-07
2789	490360.04, 3859510.04	3.31E-06	5.95E-08	-3.25E-06	1.39E-07	2.50E-09	-1.37E-07	2.08E-07	3.75E-09	-2.04E-07
2790	490410.04, 3859510.04	3.23E-06	5.81E-08	-3.17E-06	1.36E-07	2.44E-09	-1.33E-07	2.03E-07	3.66E-09	-2.00E-07
2791	490460.04, 3859510.04	3.12E-06	5.62E-08	-3.06E-06	1.31E-07	2.36E-09	-1.29E-07	1.96E-07	3.54E-09	-1.93E-07
2792	490510.04, 3859510.04	3.04E-06	5.47E-08	-2.98E-06	1.28E-07	2.30E-09	-1.25E-07	1.91E-07	3.44E-09	-1.88E-07
2793	490560.04, 3859510.04	2.96E-06	5.32E-08	-2.90E-06	1.24E-07	2.24E-09	-1.22E-07	1.86E-07	3.35E-09	-1.83E-07
2794	490610.04, 3859510.04	2.86E-06	5.15E-08	-2.81E-06	1.20E-07	2.17E-09	-1.18E-07	1.80E-07	3.25E-09	-1.77E-07
2795	490660.04, 3859510.04	2.78E-06	5.00E-08	-2.73E-06	1.17E-07	2.10E-09	-1.15E-07	1.75E-07	3.15E-09	-1.72E-07
2796	490710.04, 3859510.04	2.69E-06	4.85E-08	-2.65E-06	1.13E-07	2.04E-09	-1.11E-07	1.70E-07	3.05E-09	-1.67E-07
2797	490760.04, 3859510.04	2.63E-06	4.73E-08	-2.58E-06	1.10E-07	1.99E-09	-1.08E-07	1.65E-07	2.98E-09	-1.62E-07
2798	490810.04, 3859510.04	2.59E-06	4.66E-08	-2.54E-06	1.09E-07	1.96E-09	-1.07E-07	1.63E-07	2.94E-09	-1.60E-07
2799	490860.04, 3859510.04	2.54E-06	4.57E-08	-2.49E-06	1.07E-07	1.92E-09	-1.05E-07	1.60E-07	2.88E-09	-1.57E-07
2800	490360.04, 3859560.04	3.57E-06	6.43E-08	-3.50E-06	1.50E-07	2.70E-09	-1.47E-07	2.25E-07	4.05E-09	-2.21E-07
2801	490410.04, 3859560.04	3.49E-06	6.28E-08	-3.43E-06	1.47E-07	2.64E-09	-1.44E-07	2.20E-07	3.96E-09	-2.16E-07
2802	490460.04, 3859560.04	3.40E-06	6.12E-08	-3.34E-06	1.43E-07	2.57E-09	-1.40E-07	2.14E-07	3.85E-09	-2.10E-07
2803	490510.04, 3859560.04	3.26E-06	5.88E-08	-3.21E-06	1.37E-07	2.47E-09	-1.35E-07	2.06E-07	3.70E-09	-2.02E-07
2804	490560.04, 3859560.04	3.20E-06	5.76E-08	-3.14E-06	1.35E-07	2.42E-09	-1.32E-07	2.01E-07	3.63E-09	-1.98E-07
2805	490610.04, 3859560.04	3.09E-06	5.57E-08	-3.04E-06	1.30E-07	2.34E-09	-1.28E-07	1.95E-07	3.51E-09	-1.91E-07
2806	490660.04, 3859560.04	3.00E-06	5.40E-08	-2.95E-06	1.26E-07	2.27E-09	-1.24E-07	1.89E-07	3.40E-09	-1.86E-07
2807	490710.04, 3859560.04	2.90E-06	5.23E-08	-2.85E-06	1.22E-07	2.20E-09	-1.20E-07	1.83E-07	3.29E-09	-1.80E-07
2808	490760.04, 3859560.04	2.79E-06	5.02E-08	-2.74E-06	1.17E-07	2.11E-09	-1.15E-07	1.76E-07	3.16E-09	-1.72E-07
2809	490810.04, 3859560.04	2.72E-06	4.90E-08	-2.67E-06	1.14E-07	2.06E-09	-1.12E-07	1.71E-07	3.08E-09	-1.68E-07
2810	490860.04, 3859560.04	2.65E-06	4.77E-08	-2.60E-06	1.12E-07	2.01E-09	-1.10E-07	1.67E-07	3.01E-09	-1.64E-07
2811	490187.25, 3859422.08	3.18E-06	5.73E-08	-3.12E-06	1.34E-07	2.41E-09	-1.31E-07	2.00E-07	3.61E-09	-1.97E-07
2812	490237.25, 3859422.08	3.10E-06	5.57E-08	-3.04E-06	1.30E-07	2.35E-09	-1.28E-07	1.95E-07	3.51E-09	-1.92E-07
2813	490287.25, 3859422.08	3.02E-06	5.43E-08	-2.96E-06	1.27E-07	2.28E-09	-1.25E-07	1.90E-07	3.42E-09	-1.87E-07
2814	490337.25, 3859422.08	2.91E-06	5.24E-08	-2.86E-06	1.23E-07	2.21E-09	-1.20E-07	1.83E-07	3.30E-09	-1.80E-07
2815	490187.25, 3859472.08	3.39E-06	6.11E-08	-3.33E-06	1.43E-07	2.57E-09	-1.40E-07	2.14E-07	3.85E-09	-2.10E-07
2816	490237.25, 3859472.08	3.32E-06	5.98E-08	-3.26E-06	1.40E-07	2.52E-09	-1.37E-07	2.09E-07	3.77E-09	-2.06E-07
2817	490287.25, 3859472.08	3.21E-06	5.78E-08	-3.15E-06	1.35E-07	2.43E-09	-1.33E-07	2.02E-07	3.64E-09	-1.99E-07
2818	490337.25, 3859472.08	3.15E-06	5.67E-08	-3.09E-06	1.33E-07	2.39E-09	-1.30E-07	1.98E-07	3.57E-09	-1.95E-07
2819	490297.07, 3859500.42	3.34E-06	6.01E-08	-3.28E-06	1.40E-07	2.53E-09	-1.38E-07	2.10E-07	3.79E-09	-2.07E-07
2820	490327.07, 3859500.42	3.33E-06	5.99E-08	-3.27E-06	1.40E-07	2.52E-09	-1.38E-07	2.10E-07	3.78E-09	-2.06E-07
2821	490297.07, 3859530.42	3.53E-06	6.36E-08	-3.47E-06	1.49E-07	2.67E-09	-1.46E-07	2.22E-07	4.01E-09	-2.18E-07
2822	490327.07, 3859530.42	3.48E-06	6.26E-08	-3.41E-06	1.46E-07	2.63E-09	-1.44E-07	2.19E-07	3.94E-09	-2.15E-07
2823	490319.73, 3859055.34	2.33E-06	4.19E-08	-2.28E-06	9.78E-08	1.76E-09	-9.61E-08	1.46E-07	2.64E-09	-1.44E-07
2824	490319.73, 3859105.34	2.33E-06	4.19E-08	-2.28E-06	9.78E-08	1.76E-09	-9.61E-08	1.46E-07	2.64E-09	-1.44E-07
2825	490069.73, 3859155.34	2.55E-06	4.60E-08	-2.51E-06	1.07E-07	1.93E-09	-1.06E-07	1.61E-07	2.90E-09	-1.58E-07
2826	490119.73, 3859155.34	2.55E-06	4.58E-08	-2.50E-06	1.07E-07	1.93E-09	-1.05E-07	1.60E-07	2.89E-09	-1.57E-07
2827	490269.73, 3859155.34	2.48E-06	4.47E-08	-2.44E-06	1.04E-07	1.88E-09	-1.03E-07	1.56E-07	2.81E-09	-1.54E-07
2828	490319.73, 3859155.34	2.37E-06	4.27E-08	-2.33E-06	9.98E-08	1.80E-09	-9.80E-08	1.49E-07	2.69E-09	-1.47E-07
2829	490069.73, 3859205.34	2.68E-06	4.83E-08	-2.63E-06	1.13E-07	2.03E-09	-1.11E-07	1.69E-07	3.04E-09	-1.66E-07
2830	490119.73, 3859205.34	2.72E-06	4.89E-08	-2.67E-06	1.14E-07	2.06E-09	-1.12E-07	1.71E-07	3.08E-09	-1.68E-07
2831	490169.73, 3859205.34	2.68E-06	4.83E-08	-2.64E-06	1.13E-07	2.03E-09	-1.11E-07	1.69E-07	3.04E-09	-1.66E-07
2832	490219.73, 3859205.34	2.58E-06	4.65E-08	-2.54E-06	1.09E-07	1.96E-09	-1.07E-07	1.63E-07	2.93E-09	-1.60E-07
2833	490269.73, 3859205.34	2.45E-06	4.41E-08	-2.40E-06	1.03E-07	1.85E-09	-1.01E-07	1.54E-07	2.78E-09	-1.51E-07
2834	490319.73, 3859205.34	2.39E-06	4.31E-08	-2.35E-06	1.01E-07	1.81E-09	-9.88E-08	1.51E-07	2.71E-09	-1.48E-07
2835	490069.73, 3859255.34	2.75E-06	4.96E-08	-2.70E-06	1.16E-07	2.09E-09	-1.14E-07	1.73E-07	3.12E-09	-1.70E-07
2836	490119.73, 3859255.34	2.77E-06	4.99E-08	-2.72E-06	1.17E-07	2.10E-09	-1.14E-07	1.75E-07	3.14E-09	-1.71E-07
2837	490169.73, 3859255.34	2.74E-06	4.94E-08	-2.69E-06	1.15E-07	2.08E-09	-1.13E-07	1.73E-07	3.11E-09	-1.70E-07
2838	490219.73, 3859255.34	2.64E-06	4.76E-08	-2.60E-06	1.11E-07	2.00E-09	-1.09E-07	1.67E-07	3.00E-09	-1.64E-07
2839	490269.73, 3859255.34	2.53E-06	4.56E-08	-2.49E-06	1.07E-07	1.92E-09	-1.05E-07	1.60E-07	2.87E-09	-1.57E-07
2840	490319.73, 3859255.34	2.47E-06	4.44E-08	-2.42E-06	1.04E-07	1.87E-09	-1.02E-07	1.55E-07	2.80E-09	-1.53E-07
2841	490069.73, 3859305.34	2.85E-06	5.13E-08	-2.80E-06	1.20E-07	2.16E-09	-1.18E-07	1.79E-07	3.23E-09	-1.76E-07
2842	490119.73, 3859305.34	2.87E-06	5.17E-08	-2.82E-06	1.21E-07	2.17E-09	-1.19E-07	1.81E-07	3.25E-09	-1.78E-07
2843	490169.73, 3859305.34	2.84E-06	5.11E-08	-2.79E-06	1.19E-07	2.15E-09	-1.17E-07	1.79E-07	3.22E-09	-1.76E-07
2844	490219.73, 3859305.34	2.75E-06	4.96E-08	-2.70E-06	1.16E-07	2.08E-09	-1.14E-07	1.73E-07	3.12E-09	-1.70E-07
2845	490269.73, 3859305.34	2.66E-06	4.80E-08	-2.62E-06	1.12E-07	2.02E-09	-1.10E-07	1.68E-07	3.02E-09	-1.65E-07
2846	490319.73, 3859305.34	2.54E-06	4.58E-08	-2.50E-06	1.07E-07	1.93E-09	-1.05E-07	1.60E-07	2.89E-09	-1.57E-07
2847	490069.73, 3859355.34	3.02E-06	5.44E-08	-2.97E-06	1.27E-07	2.29E-09	-1.25E-07	1.90E-07	3.43E-09	-1.87E-07
2848	490119.73, 3859355.34	3.04E-06	5.47E-08	-2.98E-06	1.28E-07	2.30E-09	-1.25E-07	1.91E-07	3.44E-09	-1.88E-07
2849	490169.73, 3859355.34	2.99E-06	5.39E-08	-2.94E-06	1.26E-07	2.27E-09	-1.24E-07	1.89E-07	3.39E-09	-1.85E-07
2850	490219.73, 3859355.34	2.89E-06	5.21E-08	-2.84E-06	1.22E-07	2.19E-09	-1.20E-07	1.82E-07	3.28E-09	-1.79E-07
2851	490269.73, 3859355.34	2.81E-06	5.07E-08	-2.76E-06	1.18E-07	2.13E-09	-1.16E-07	1.77E-07	3.19E-09	-1.74E-07
2852	490319.73, 3859355.34	2.70E-06	4.87E-08	-2.65E-06	1.14E-07	2.05E-09	-1.12E-07	1.70E-07	3.07E-09	-1.67E-07
2853	490069.73, 3859405.34	3.22E-06	5.80E-08	-3.17E-06	1.36E-07	2.44E-09	-1.33E-07	2.03E-07	3.66E-09	-1.99E-07
2854	490119.73, 3859405.34	3.21E-06	5.78E-08	-3.15E-06	1.35E-07	2.43E-09	-1.33E-07	2.02E-07	3.64E-09	-1.99E-07
2855	490169.73, 3859405.34	3.14E-06	5.66E-08	-3.09E-06	1.32E-07	2.38E-09	-1.30E-07	1.98E-07	3.57E-09	-1.95E-07
2856	490219.73, 3859405.34	3.07E-06	5.53E-08	-3.02E-06	1.29E-07	2.33E-09	-1.27E-07	1.94E-07	3.48E-09	-1.90E-07
2857	490269.73, 3859405.34	2.97E-06	5.34E-08	-2.91E-06	1.25E-07	2.25E-09	-1.23E-07	1.87E-07	3.36E-09	-1.83E-07
2858	490319.73, 3859405.34	2.86E-06	5.15E-08	-2.81E-06	1.20E-07	2.17E-09	-1.18E-07	1.80E-07	3.25E-09	-1.77E-07
2859	490161.89, 3859541.83	3.73E-06	6.71E-08	-3.66E-06	1.57E-07	2.82E-09	-1.54E-07	2.35E-07	4.23E-09	-2.31E-07
2860	490171.89, 3859541.83	3.72E-06	6.69E-08	-3.65E-06	1.56E-07	2.81E-09	-1.54E-07	2.34E-07	4.22E-09	-2.30E-07
2861	490161.89, 3859551.83	3.77E-06	6.78E-08	-3.70E-06	1.58E-07	2.85E-09	-1.56E-07	2.37E-07	4.27E-09	-2.33E-07
2862	490171.89, 3859551.83	3.76E-06	6.76E-08	-3.69E-06	1.58E-07	2.85E-09	-1.55E-07	2.37E-07	4.26E-09	-2.32E-07
2863	489799.72, 3859348.21	3.07E-06	5.53E-08	-3.02E-06	1.29E-07	2.33E-09	-1.27E-07	1.94E-07	3.49E-09	-1.90E-07
2864	489819.72, 3859348.21	3.07E-06	5.53E-08	-3.02E-06	1.29E-07	2.33E-09	-1.27E-07	1.94E-07	3.48E-09	-1.90E-07
2865	489799.72, 3859368.21	3.13E-06	5.64E-08	-3.08E-06	1.32E-07	2.37E-09	-1.30E-07	1.97E-07	3.56E-09	-1.94E-07
2866	489819.72, 3859368.21	3.12E-06	5.62E-08	-3.06E-06	1.31E-07	2.36E-09	-1.29E-07	1.97E-07	3.54E-09	-1.93E-07
2867	489775.41, 3859329.72	3.05E-06	5.49E-08	-2.99E-06	1.28E-07	2.31E-09	-1.26E-07	1.92E-07	3.46E-09	-1.89E-07
2868	489795.41, 3859329.72	3.04E-06	5.48E-08	-2.99E-06	1.28E-07	2.31E-09	-1.26E-07	1.92E-07	3.45E-09	-1.88E-07
2869	489775.41, 3859349.72	3.09E-06	5.57E-08	-3.04E-06	1.30E-07	2.34E-09	-1.28E-07	1.95E-07	3.51E-09	-1.91E-07
2870	489795.41, 3859349.72	3.08E-06	5.54E-08	-3.02E-06	1.29E-07	2.33E-09	-1.27E-07	1.94E-07	3.49E-09	-1.90E-07
2871	489595.05, 3859219.43	2.86E-06	5.15E-08	-2.81E-06	1.20E-07	2.16E-09	-1.18E-07	1.80E-07	3.24E-09	-1.77E-07
2872	489615.05, 3859219.43	2.84E-06	5.11E-08	-2.79E-06	1.19E-07	2.15E-09	-1.17E-07	1.79E-07	3.22E-09	-1.75E-07
2873	489595.05, 3859239.43	2.91E-06	5.24E-08	-2.86E-06	1.22E-07	2.21E-09	-1.20E-07	1.83E-07	3.30E-09	-1.80E-07
2874	489615.05, 3859239.43	2.89E-06	5.20E-08	-2.83E-06	1.21E-07	2.19E-09	-1.19E-07	1.82E-07	3.27E-09	-1.79E-07
2875	489372.4, 3859092.58	2.71E-06	4.87E-08	-2.66E-06	1.14E-07	2.05E-09	-1.12E-07	1.70E-07	3.07E-09	-1.67E-07
2876	489422.4, 3859092.58	2.68E-06	4.83E-08	-2.63E-06	1.13E-07	2.03E-09	-1.11E-07	1.69E-07	3.04E-09	-1.66E-07
2877	489372.4, 3859142.58	2.80E-06	5.05E-08	-2.75E-06	1.18E-07	2.12E-09	-1.16E-07	1.77E-07	3.18E-09	-1.73E-07
2878	489422.4, 3859142.58	2.78E-06	5.01E-08	-2.73E-06	1.17E-07	2.11E-09	-1.15E-07	1.75E-07	3.16E-09	-1.72E-07
2879	488870.84, 3858666.64	2.32E-06	4.17E-08	-2.27E-06	9.74E-08	1.75E-09	-9.57E-08	1.46E-07	2.63E-09	-1.43E-07
2880	488900.84, 3858666.64	2.31E-06	4.15E-08	-2.27E-06	9.70E-08	1.75E-09	-9.53E-08	1.45E-07	2.62E-09	-1.43E-07
2881	488870.84, 3858696.64	2.35E-06	4.23E-08	-2.31E-06	9.89E-08	1.78E-09	-9.71E-08	1.48E-07	2.67E-09	-1.45E-07
2882	488900.84, 3858696.64	2.34E-06	4.21E-08	-2.30E-06	9.84E-08	1.77E-09	-9.67E-08	1.47E-07	2.65E-09	-1.45E-07
2883	488889.67, 3858683.97	2.33E-06	4.19E-08	-2.28E-06	9.78E-08	1.76E-09	-9.61E-08	1.46E-07	2.64E-09	-1.44E-07
2884	488919.67, 3858683.97	2.32E-06	4.18E-08	-2.28E-06	9.77E-08	1.76E-09	-9.59E-08	1.46E-07	2.63E-09	-1.44E-07
2885	488889.67, 3858713.97	2.36E-06	4.25E-08	-2.32E-06	9.94E-08	1.79E-09	-9.76E-08	1.49E-07	2.68E-09	-1.46E-07

2886	488919.67, 3858713.97	2.35E-06	4.24E-08	-2.31E-06	9.90E-08	1.78E-09	-9.72E-08	1.48E-07	2.67E-09	-1.46E-07
2887	488906.61, 3858703.33	2.35E-06	4.23E-08	-2.30E-06	9.87E-08	1.78E-09	-9.70E-08	1.48E-07	2.66E-09	-1.45E-07
2888	488936.61, 3858703.33	2.33E-06	4.20E-08	-2.29E-06	9.81E-08	1.77E-09	-9.64E-08	1.47E-07	2.65E-09	-1.44E-07
2889	488906.61, 3858733.33	2.36E-06	4.26E-08	-2.32E-06	9.95E-08	1.79E-09	-9.77E-08	1.49E-07	2.68E-09	-1.46E-07
2890	488936.61, 3858733.33	2.36E-06	4.25E-08	-2.32E-06	9.93E-08	1.79E-09	-9.75E-08	1.49E-07	2.68E-09	-1.46E-07
2891	488637.63, 3858467.85	2.20E-06	3.97E-08	-2.16E-06	9.27E-08	1.67E-09	-9.10E-08	1.39E-07	2.50E-09	-1.36E-07
2892	488662.63, 3858467.85	2.21E-06	3.99E-08	-2.17E-06	9.31E-08	1.68E-09	-9.15E-08	1.39E-07	2.51E-09	-1.37E-07
2893	488637.63, 3858492.85	2.22E-06	4.00E-08	-2.18E-06	9.35E-08	1.68E-09	-9.19E-08	1.40E-07	2.52E-09	-1.38E-07
2894	488662.63, 3858492.85	2.23E-06	4.01E-08	-2.19E-06	9.37E-08	1.69E-09	-9.20E-08	1.40E-07	2.53E-09	-1.38E-07
2895	488687.63, 3858492.85	2.22E-06	4.00E-08	-2.18E-06	9.35E-08	1.68E-09	-9.19E-08	1.40E-07	2.52E-09	-1.38E-07
2896	488637.63, 3858517.85	2.26E-06	4.06E-08	-2.22E-06	9.49E-08	1.71E-09	-9.32E-08	1.42E-07	2.56E-09	-1.40E-07
2897	488662.63, 3858517.85	2.25E-06	4.05E-08	-2.21E-06	9.48E-08	1.71E-09	-9.30E-08	1.42E-07	2.55E-09	-1.39E-07
2898	488687.63, 3858517.85	2.25E-06	4.06E-08	-2.21E-06	9.48E-08	1.71E-09	-9.31E-08	1.42E-07	2.56E-09	-1.39E-07
2899	488194.42, 3857168.98	1.19E-06	2.14E-08	-1.17E-06	5.01E-08	9.02E-10	-4.92E-08	7.50E-08	1.35E-09	-7.37E-08
2900	488244.42, 3857168.98	1.23E-06	2.22E-08	-1.21E-06	5.18E-08	9.32E-10	-5.08E-08	7.75E-08	1.40E-09	-7.61E-08
2901	488294.42, 3857168.98	1.26E-06	2.27E-08	-1.24E-06	5.31E-08	9.56E-10	-5.21E-08	7.95E-08	1.43E-09	-7.81E-08
2902	488244.42, 3857218.98	1.23E-06	2.22E-08	-1.21E-06	5.19E-08	9.34E-10	-5.10E-08	7.77E-08	1.40E-09	-7.63E-08
2903	488294.42, 3857218.98	1.27E-06	2.28E-08	-1.25E-06	5.33E-08	9.60E-10	-5.24E-08	7.99E-08	1.44E-09	-7.84E-08
2904	488294.42, 3857268.98	1.28E-06	2.31E-08	-1.26E-06	5.40E-08	9.72E-10	-5.30E-08	8.09E-08	1.46E-09	-7.94E-08
2905	488139.13, 3857111.68	1.15E-06	2.07E-08	-1.13E-06	4.85E-08	8.72E-10	-4.76E-08	7.26E-08	1.31E-09	-7.13E-08
2906	488189.13, 3857111.68	1.20E-06	2.15E-08	-1.17E-06	5.03E-08	9.06E-10	-4.94E-08	7.54E-08	1.36E-09	-7.40E-08
2907	488189.13, 3857161.68	1.19E-06	2.14E-08	-1.17E-06	5.00E-08	9.00E-10	-4.91E-08	7.48E-08	1.35E-09	-7.35E-08
2908	487951.04, 3856961.26	1.06E-06	1.90E-08	-1.04E-06	4.44E-08	8.00E-10	-4.36E-08	6.65E-08	1.20E-09	-6.53E-08
2909	488001.04, 3856961.26	1.08E-06	1.94E-08	-1.06E-06	4.54E-08	8.17E-10	-4.46E-08	6.80E-08	1.22E-09	-6.67E-08
2910	488051.04, 3856961.26	1.09E-06	1.97E-08	-1.07E-06	4.59E-08	8.27E-10	-4.51E-08	6.88E-08	1.24E-09	-6.75E-08
2911	488101.04, 3856961.26	1.14E-06	2.05E-08	-1.12E-06	4.79E-08	8.62E-10	-4.70E-08	7.17E-08	1.29E-09	-7.04E-08
2912	487951.04, 3857011.26	1.07E-06	1.93E-08	-1.05E-06	4.51E-08	8.12E-10	-4.43E-08	6.75E-08	1.22E-09	-6.63E-08
2913	488001.04, 3857011.26	1.08E-06	1.94E-08	-1.06E-06	4.54E-08	8.17E-10	-4.46E-08	6.80E-08	1.22E-09	-6.67E-08
2914	488051.04, 3857011.26	1.09E-06	1.97E-08	-1.07E-06	4.59E-08	8.27E-10	-4.51E-08	6.88E-08	1.24E-09	-6.75E-08
2915	488101.04, 3857011.26	1.13E-06	2.04E-08	-1.11E-06	4.77E-08	8.59E-10	-4.69E-08	7.15E-08	1.29E-09	-7.02E-08
2916	488001.04, 3857061.26	1.09E-06	1.96E-08	-1.07E-06	4.58E-08	8.25E-10	-4.50E-08	6.86E-08	1.23E-09	-6.74E-08
2917	488051.04, 3857061.26	1.11E-06	2.00E-08	-1.09E-06	4.67E-08	8.40E-10	-4.58E-08	6.99E-08	1.26E-09	-6.86E-08
2918	488101.04, 3857061.26	1.14E-06	2.05E-08	-1.12E-06	4.79E-08	8.63E-10	-4.71E-08	7.18E-08	1.29E-09	-7.05E-08
2919	487638.98, 3856673.79	9.01E-07	1.62E-08	-8.85E-07	3.79E-08	6.83E-10	-3.72E-08	5.68E-08	1.02E-09	-5.57E-08
2920	487688.98, 3856673.79	9.20E-07	1.66E-08	-9.03E-07	3.87E-08	6.97E-10	-3.80E-08	5.79E-08	1.04E-09	-5.69E-08
2921	487638.98, 3856723.79	9.10E-07	1.64E-08	-8.93E-07	3.83E-08	6.89E-10	-3.76E-08	5.73E-08	1.03E-09	-5.63E-08
2922	487688.98, 3856723.79	9.26E-07	1.67E-08	-9.09E-07	3.89E-08	7.01E-10	-3.82E-08	5.83E-08	1.05E-09	-5.73E-08
2923	486324.61, 3855740.57	5.96E-07	1.07E-08	-5.85E-07	2.51E-08	4.51E-10	-2.46E-08	3.75E-08	6.76E-10	-3.69E-08
2924	486374.61, 3855740.57	5.86E-07	1.06E-08	-5.75E-07	2.47E-08	4.44E-10	-2.42E-08	3.69E-08	6.65E-10	-3.63E-08
2925	486424.61, 3855740.57	5.87E-07	1.06E-08	-5.77E-07	2.47E-08	4.45E-10	-2.43E-08	3.70E-08	6.66E-10	-3.63E-08
2926	486324.61, 3855790.57	5.95E-07	1.07E-08	-5.84E-07	2.50E-08	4.50E-10	-2.46E-08	3.75E-08	6.74E-10	-3.68E-08
2927	486374.61, 3855790.57	5.86E-07	1.06E-08	-5.75E-07	2.47E-08	4.44E-10	-2.42E-08	3.69E-08	6.65E-10	-3.63E-08
2928	486424.61, 3855790.57	5.92E-07	1.07E-08	-5.81E-07	2.49E-08	4.48E-10	-2.44E-08	3.73E-08	6.71E-10	-3.66E-08
2929	486324.61, 3855840.57	5.92E-07	1.07E-08	-5.81E-07	2.49E-08	4.48E-10	-2.44E-08	3.73E-08	6.71E-10	-3.66E-08
2930	486374.61, 3855840.57	5.96E-07	1.07E-08	-5.85E-07	2.51E-08	4.51E-10	-2.46E-08	3.75E-08	6.76E-10	-3.69E-08
2931	486424.61, 3855840.57	5.97E-07	1.08E-08	-5.87E-07	2.51E-08	4.53E-10	-2.47E-08	3.76E-08	6.78E-10	-3.70E-08
2932	486324.61, 3855890.57	6.02E-07	1.08E-08	-5.91E-07	2.53E-08	4.56E-10	-2.49E-08	3.79E-08	6.82E-10	-3.72E-08
2933	486374.61, 3855890.57	6.05E-07	1.09E-08	-5.94E-07	2.54E-08	4.58E-10	-2.50E-08	3.81E-08	6.86E-10	-3.74E-08
2934	486424.61, 3855890.57	6.03E-07	1.09E-08	-5.92E-07	2.54E-08	4.57E-10	-2.49E-08	3.80E-08	6.84E-10	-3.73E-08
2935	488735.69, 3858285.64	2.13E-06	3.84E-08	-2.10E-06	8.98E-08	1.62E-09	-8.82E-08	1.34E-07	2.42E-09	-1.32E-07
2936	488765.69, 3858285.64	2.14E-06	3.85E-08	-2.10E-06	9.01E-08	1.62E-09	-8.84E-08	1.35E-07	2.43E-09	-1.32E-07
2937	488735.69, 3858315.64	2.14E-06	3.86E-08	-2.10E-06	9.01E-08	1.62E-09	-8.85E-08	1.35E-07	2.43E-09	-1.33E-07
2938	488765.69, 3858315.64	2.14E-06	3.86E-08	-2.11E-06	9.02E-08	1.62E-09	-8.86E-08	1.35E-07	2.43E-09	-1.33E-07
2939	478676.63, 3849871.93	3.48E-07	6.27E-09	-3.42E-07	1.46E-08	2.64E-10	-1.44E-08	2.19E-08	3.95E-10	-2.15E-08
2940	479326.63, 3849871.93	2.85E-07	5.13E-09	-2.80E-07	1.20E-08	2.16E-10	-1.18E-08	1.80E-08	3.23E-10	-1.76E-08
2941	479376.63, 3849871.93	2.82E-07	5.08E-09	-2.77E-07	1.19E-08	2.14E-10	-1.17E-08	1.78E-08	3.20E-10	-1.75E-08
2942	479426.63, 3849871.93	2.74E-07	4.93E-09	-2.69E-07	1.15E-08	2.07E-10	-1.13E-08	1.72E-08	3.10E-10	-1.69E-08
2943	478726.63, 3849921.93	3.55E-07	6.40E-09	-3.49E-07	1.49E-08	2.69E-10	-1.47E-08	2.24E-08	4.03E-10	-2.20E-08
2944	478776.63, 3849921.93	3.51E-07	6.32E-09	-3.45E-07	1.48E-08	2.66E-10	-1.45E-08	2.21E-08	3.98E-10	-2.17E-08
2945	478826.63, 3849921.93	3.47E-07	6.24E-09	-3.40E-07	1.46E-08	2.63E-10	-1.43E-08	2.18E-08	3.93E-10	-2.14E-08
2946	478976.63, 3849921.93	3.31E-07	5.96E-09	-3.25E-07	1.39E-08	2.51E-10	-1.37E-08	2.08E-08	3.75E-10	-2.05E-08
2947	479026.63, 3849921.93	3.31E-07	5.96E-09	-3.25E-07	1.39E-08	2.51E-10	-1.37E-08	2.08E-08	3.75E-10	-2.05E-08
2948	479076.63, 3849921.93	3.28E-07	5.91E-09	-3.22E-07	1.38E-08	2.49E-10	-1.36E-08	2.07E-08	3.72E-10	-2.03E-08
2949	479126.63, 3849921.93	3.22E-07	5.80E-09	-3.17E-07	1.36E-08	2.44E-10	-1.33E-08	2.03E-08	3.66E-10	-1.99E-08
2950	479176.63, 3849921.93	3.20E-07	5.75E-09	-3.14E-07	1.34E-08	2.42E-10	-1.32E-08	2.01E-08	3.62E-10	-1.98E-08
2951	479226.63, 3849921.93	3.04E-07	5.47E-09	-2.98E-07	1.28E-08	2.30E-10	-1.25E-08	1.91E-08	3.44E-10	-1.88E-08
2952	479276.63, 3849921.93	2.94E-07	5.29E-09	-2.88E-07	1.24E-08	2.22E-10	-1.21E-08	1.85E-08	3.33E-10	-1.82E-08
2953	479326.63, 3849921.93	3.04E-07	5.47E-09	-2.98E-07	1.28E-08	2.30E-10	-1.25E-08	1.91E-08	3.44E-10	-1.88E-08
2954	479376.63, 3849921.93	2.89E-07	5.21E-09	-2.84E-07	1.22E-08	2.19E-10	-1.20E-08	1.82E-08	3.28E-10	-1.79E-08
2955	479426.63, 3849921.93	2.95E-07	5.31E-09	-2.90E-07	1.24E-08	2.24E-10	-1.22E-08	1.86E-08	3.35E-10	-1.83E-08
2956	478726.63, 3849971.93	3.64E-07	6.55E-09	-3.57E-07	1.53E-08	2.76E-10	-1.50E-08	2.29E-08	4.13E-10	-2.25E-08
2957	478776.63, 3849971.93	3.61E-07	6.50E-09	-3.55E-07	1.52E-08	2.73E-10	-1.49E-08	2.27E-08	4.09E-10	-2.23E-08
2958	478826.63, 3849971.93	3.57E-07	6.42E-09	-3.50E-07	1.50E-08	2.70E-10	-1.47E-08	2.25E-08	4.05E-10	-2.21E-08
2959	478976.63, 3849971.93	3.48E-07	6.27E-09	-3.42E-07	1.46E-08	2.64E-10	-1.44E-08	2.19E-08	3.95E-10	-2.15E-08
2960	479026.63, 3849971.93	3.42E-07	6.16E-09	-3.36E-07	1.44E-08	2.59E-10	-1.41E-08	2.16E-08	3.88E-10	-2.12E-08
2961	479076.63, 3849971.93	3.37E-07	6.06E-09	-3.31E-07	1.42E-08	2.55E-10	-1.39E-08	2.12E-08	3.82E-10	-2.08E-08
2962	479126.63, 3849971.93	3.32E-07	5.98E-09	-3.26E-07	1.40E-08	2.52E-10	-1.37E-08	2.09E-08	3.77E-10	-2.06E-08
2963	479176.63, 3849971.93	3.20E-07	5.75E-09	-3.14E-07	1.34E-08	2.42E-10	-1.32E-08	2.01E-08	3.62E-10	-1.98E-08
2964	479226.63, 3849971.93	3.07E-07	5.52E-09	-3.01E-07	1.29E-08	2.32E-10	-1.27E-08	1.93E-08	3.48E-10	-1.90E-08
2965	479276.63, 3849971.93	3.15E-07	5.67E-09	-3.10E-07	1.33E-08	2.39E-10	-1.30E-08	1.99E-08	3.57E-10	-1.95E-08
2966	479326.63, 3849971.93	3.11E-07	5.60E-09	-3.05E-07	1.31E-08	2.35E-10	-1.28E-08	1.96E-08	3.53E-10	-1.92E-08
2967	479376.63, 3849971.93	3.04E-07	5.47E-09	-2.98E-07	1.28E-08	2.30E-10	-1.25E-08	1.91E-08	3.44E-10	-1.88E-08
2968	479426.63, 3849971.93	3.04E-07	5.47E-09	-2.98E-07	1.28E-08	2.30E-10	-1.25E-08	1.91E-08	3.44E-10	-1.88E-08
2969	478726.63, 3850021.93	3.71E-07	6.68E-09	-3.64E-07	1.56E-08	2.81E-10	-1.53E-08	2.34E-08	4.21E-10	-2.30E-08
2970	478776.63, 3850021.93	3.68E-07	6.63E-09	-3.62E-07	1.55E-08	2.79E-10	-1.52E-08	2.32E-08	4.18E-10	-2.28E-08
2971	478826.63, 3850021.93	3.67E-07	6.60E-09	-3.60E-07	1.54E-08	2.78E-10	-1.52E-08	2.31E-08	4.16E-10	-2.27E-08
2972	478976.63, 3850021.93	3.60E-07	6.47E-09	-3.53E-07	1.51E-08	2.72E-10	-1.49E-08	2.27E-08	4.08E-10	-2.22E-08
2973	478726.63, 3850071.93	3.80E-07	6.84E-09	-3.73E-07	1.60E-08	2.88E-10	-1.57E-08	2.39E-08	4.31E-10	-2.35E-08
2974	478776.63, 3850071.93	3.78E-07	6.81E-09	-3.71E-07	1.59E-08	2.86E-10	-1.56E-08	2.38E-08	4.29E-10	-2.34E-08
2975	478826.63, 3850071.93	3.75E-07	6.76E-09	-3.69E-07	1.58E-08	2.84E-10	-1.55E-08	2.36E-08	4.26E-10	-2.32E-08
2976	478876.63, 3850071.93	3.74E-07	6.73E-09	-3.67E-07	1.57E-08	2.83E-10	-1.54E-08	2.36E-08	4.24E-10	-2.31E-08
2977	478976.63, 3850071.93	3.70E-07	6.66E-09	-3.63E-07	1.56E-08	2.80E-10	-1.53E-08	2.33E-08	4.19E-10	-2.29E-08
2978	478726.63, 3850121.93	3.87E-07	6.96E-09	-3.80E-07	1.63E-08	2.93E-10	-1.60E-08	2.44E-08	4.39E-10	-2.39E-08
2979	478776.63, 3850121.93	3.87E-07	6.96E-09	-3.80E-07	1.63E-08	2.93E-10	-1.60E-08	2.44E-08	4.39E-10	-2.39E-08
2980	478826.63, 3850121.93	3.85E-07	6.94E-09	-3.78E-07	1.62E-08	2.92E-10	-1.59E-08	2.43E-08	4.37E-10	-2.38E-08
2981	478876.63, 3850121.93	3.83E-07	6.89E-09	-3.76E-07	1.61E-08	2.90E-10	-1.58E-08	2.41E-08	4.34E-10	-2.37E-08
2982	478976.63, 3850121.93	3.81E-07	6.86E-09	-3.74E-07	1.60E-08	2.89E-10	-1.57E-08	2.40E-08	4.32E-10	-2.36E-08
2983	479026.63, 3850121.93	3.78E-07	6.81E-09	-3.71E-07	1.59E-08	2.86E-10	-1.56E-08	2.38E-08	4.29E-10	-2.34E-08
2984	479076.63, 3850121.93	3.74E-07	6.73E-09	-3.67E-07	1.57E-08	2.83E-10	-1.54E-08	2.36E-08	4.24E-10	-2.31E-08
2985	479126.63, 3850121.93	3.70E-07	6.66E-09	-3.63E-07	1.56E-08	2.80E-10	-1.53E-08	2.33E-08	4.19E-10	-2.29E-08
2986	478776.63, 3850171.93	3.93E-07	7.07E-09	-3.86E-07	1.65E-08	2.97E-10	-1.62E-08	2.47E-08	4.45E-10	-2.43E-08
2987	478826.63, 3850171.93	3.93E-07	7.07E-09	-3.86E-07	1.65E-08	2.97E-10	-1.62E-08	2.47E-08	4.45E-10	-2.43E-08
2988	478876.63, 3850171.93	3.91E-07	7.04E-09	-3.84E-07	1.65E-08	2.96E-10	-1.62E-08	2.46E-08	4.44E-10	-2.42E-08
2989	478976.63, 3850171.93	3.91E-07	7.04E-09	-3.84E-07	1.65E-08	2.96E-10	-1.62E-08	2.46E-08	4.44E-10	-2.42E-08
2990	479026.63, 3850171.93	3.91E-07	7.04E-09	-3.84E-07	1.65E-08	2.96E-10	-1.62E-08	2.46E-08	4.44E-10	-2.42E-08
2991	479076.63, 3850171.93	3.87E-07	6.96E-09	-3.80E-07	1.63E-08	2.93E-10	-1.60E-08	2.44E-08	4.39E-10	-2.39E-08
2992	479126.63, 3850171.93	3.83E-07	6.89E-09	-3.76E-07	1.61E-08	2.90E-10	-1.58E-08	2.41E-08	4.34E-10	-2.37E-08

2993	479176.63, 3850171.93	3.81E-07	6.86E-09	-3.74E-07	1.60E-08	2.89E-10	-1.57E-08	2.40E-08	4.32E-10	-2.36E-08
2994	479226.63, 3850171.93	3.83E-07	6.89E-09	-3.76E-07	1.61E-08	2.90E-10	-1.58E-08	2.41E-08	4.34E-10	-2.37E-08
2995	479276.63, 3850171.93	3.87E-07	6.96E-09	-3.80E-07	1.63E-08	2.93E-10	-1.60E-08	2.44E-08	4.39E-10	-2.39E-08
2996	479326.63, 3850171.93	3.78E-07	6.81E-09	-3.71E-07	1.59E-08	2.86E-10	-1.56E-08	2.38E-08	4.29E-10	-2.34E-08
2997	479376.63, 3850171.93	3.70E-07	6.66E-09	-3.63E-07	1.56E-08	2.80E-10	-1.53E-08	2.33E-08	4.19E-10	-2.29E-08
2998	478676.63, 3850221.93	3.90E-07	7.02E-09	-3.83E-07	1.64E-08	2.95E-10	-1.61E-08	2.45E-08	4.42E-10	-2.41E-08
2999	478726.63, 3850221.93	3.95E-07	7.12E-09	-3.88E-07	1.66E-08	3.00E-10	-1.63E-08	2.49E-08	4.48E-10	-2.45E-08
3000	478976.63, 3850221.93	4.01E-07	7.22E-09	-3.94E-07	1.69E-08	3.04E-10	-1.66E-08	2.53E-08	4.55E-10	-2.48E-08
3001	479026.63, 3850221.93	4.01E-07	7.22E-09	-3.94E-07	1.69E-08	3.04E-10	-1.66E-08	2.53E-08	4.55E-10	-2.48E-08
3002	479076.63, 3850221.93	3.98E-07	7.17E-09	-3.91E-07	1.68E-08	3.02E-10	-1.65E-08	2.51E-08	4.52E-10	-2.46E-08
3003	479126.63, 3850221.93	3.95E-07	7.12E-09	-3.88E-07	1.66E-08	3.00E-10	-1.63E-08	2.49E-08	4.48E-10	-2.45E-08
3004	479176.63, 3850221.93	3.95E-07	7.12E-09	-3.88E-07	1.66E-08	3.00E-10	-1.63E-08	2.49E-08	4.48E-10	-2.45E-08
3005	479226.63, 3850221.93	3.97E-07	7.15E-09	-3.90E-07	1.67E-08	3.01E-10	-1.64E-08	2.50E-08	4.50E-10	-2.46E-08
3006	479276.63, 3850221.93	3.97E-07	7.15E-09	-3.90E-07	1.67E-08	3.01E-10	-1.64E-08	2.50E-08	4.50E-10	-2.46E-08
3007	479326.63, 3850221.93	3.90E-07	7.02E-09	-3.83E-07	1.64E-08	2.95E-10	-1.61E-08	2.45E-08	4.42E-10	-2.41E-08
3008	479376.63, 3850221.93	3.84E-07	6.91E-09	-3.77E-07	1.62E-08	2.91E-10	-1.59E-08	2.42E-08	4.35E-10	-2.38E-08
3009	478676.63, 3850271.93	3.91E-07	7.04E-09	-3.84E-07	1.65E-08	2.96E-10	-1.62E-08	2.46E-08	4.44E-10	-2.42E-08
3010	478726.63, 3850271.93	3.97E-07	7.15E-09	-3.90E-07	1.67E-08	3.01E-10	-1.64E-08	2.50E-08	4.50E-10	-2.46E-08
3011	478976.63, 3850271.93	4.08E-07	7.35E-09	-4.01E-07	1.72E-08	3.09E-10	-1.69E-08	2.57E-08	4.63E-10	-2.53E-08
3012	479026.63, 3850271.93	4.11E-07	7.40E-09	-4.04E-07	1.73E-08	3.11E-10	-1.70E-08	2.59E-08	4.66E-10	-2.54E-08
3013	479076.63, 3850271.93	4.11E-07	7.40E-09	-4.04E-07	1.73E-08	3.11E-10	-1.70E-08	2.59E-08	4.66E-10	-2.54E-08
3014	479126.63, 3850271.93	4.10E-07	7.38E-09	-4.02E-07	1.72E-08	3.10E-10	-1.69E-08	2.58E-08	4.65E-10	-2.53E-08
3015	479176.63, 3850271.93	4.10E-07	7.38E-09	-4.02E-07	1.72E-08	3.10E-10	-1.69E-08	2.58E-08	4.65E-10	-2.53E-08
3016	479226.63, 3850271.93	4.10E-07	7.38E-09	-4.02E-07	1.72E-08	3.10E-10	-1.69E-08	2.58E-08	4.65E-10	-2.53E-08
3017	479276.63, 3850271.93	4.08E-07	7.35E-09	-4.01E-07	1.72E-08	3.09E-10	-1.69E-08	2.57E-08	4.63E-10	-2.53E-08
3018	479326.63, 3850271.93	4.01E-07	7.22E-09	-3.94E-07	1.69E-08	3.04E-10	-1.66E-08	2.53E-08	4.55E-10	-2.48E-08
3019	479376.63, 3850271.93	3.91E-07	7.04E-09	-3.84E-07	1.65E-08	2.96E-10	-1.62E-08	2.46E-08	4.44E-10	-2.42E-08
3020	479053.24, 3850293.52	4.16E-07	7.48E-09	-4.08E-07	1.75E-08	3.15E-10	-1.72E-08	2.62E-08	4.71E-10	-2.57E-08
3021	479103.24, 3850293.52	4.16E-07	7.48E-09	-4.08E-07	1.75E-08	3.15E-10	-1.72E-08	2.62E-08	4.71E-10	-2.57E-08
3022	479153.24, 3850293.52	4.14E-07	7.45E-09	-4.07E-07	1.74E-08	3.14E-10	-1.71E-08	2.61E-08	4.70E-10	-2.56E-08
3023	479203.24, 3850293.52	4.16E-07	7.48E-09	-4.08E-07	1.75E-08	3.15E-10	-1.72E-08	2.62E-08	4.71E-10	-2.57E-08
3024	479253.24, 3850293.52	4.14E-07	7.45E-09	-4.07E-07	1.74E-08	3.14E-10	-1.71E-08	2.61E-08	4.70E-10	-2.56E-08
3025	479303.24, 3850293.52	4.08E-07	7.35E-09	-4.01E-07	1.72E-08	3.09E-10	-1.69E-08	2.57E-08	4.63E-10	-2.53E-08
3026	479353.24, 3850293.52	4.00E-07	7.20E-09	-3.93E-07	1.68E-08	3.03E-10	-1.65E-08	2.52E-08	4.53E-10	-2.47E-08
3027	479153.24, 3850343.52	4.27E-07	7.69E-09	-4.19E-07	1.80E-08	3.23E-10	-1.76E-08	2.69E-08	4.84E-10	-2.64E-08
3028	479203.24, 3850343.52	4.27E-07	7.69E-09	-4.19E-07	1.80E-08	3.23E-10	-1.76E-08	2.69E-08	4.84E-10	-2.64E-08
3029	479253.24, 3850343.52	4.24E-07	7.64E-09	-4.16E-07	1.78E-08	3.21E-10	-1.75E-08	2.67E-08	4.81E-10	-2.62E-08
3030	479303.24, 3850343.52	4.17E-07	7.51E-09	-4.09E-07	1.75E-08	3.16E-10	-1.72E-08	2.63E-08	4.73E-10	-2.58E-08
3031	479353.24, 3850343.52	4.11E-07	7.40E-09	-4.04E-07	1.73E-08	3.11E-10	-1.70E-08	2.59E-08	4.66E-10	-2.54E-08
3032	479203.24, 3850393.52	4.37E-07	7.87E-09	-4.29E-07	1.84E-08	3.31E-10	-1.81E-08	2.75E-08	4.96E-10	-2.70E-08
3033	479253.24, 3850393.52	4.34E-07	7.82E-09	-4.26E-07	1.83E-08	3.29E-10	-1.79E-08	2.73E-08	4.92E-10	-2.69E-08
3034	479303.24, 3850393.52	4.28E-07	7.71E-09	-4.21E-07	1.80E-08	3.24E-10	-1.77E-08	2.70E-08	4.86E-10	-2.65E-08
3035	479353.24, 3850393.52	4.21E-07	7.58E-09	-4.14E-07	1.77E-08	3.19E-10	-1.74E-08	2.65E-08	4.78E-10	-2.61E-08
3036	479403.24, 3850393.52	4.16E-07	7.48E-09	-4.08E-07	1.75E-08	3.15E-10	-1.72E-08	2.62E-08	4.71E-10	-2.57E-08
3037	479453.24, 3850393.52	4.05E-07	7.30E-09	-3.98E-07	1.71E-08	3.07E-10	-1.68E-08	2.55E-08	4.60E-10	-2.51E-08
3038	479503.24, 3850393.52	3.94E-07	7.09E-09	-3.87E-07	1.66E-08	2.98E-10	-1.63E-08	2.48E-08	4.47E-10	-2.44E-08
3039	479303.24, 3850443.52	4.36E-07	7.84E-09	-4.28E-07	1.83E-08	3.30E-10	-1.80E-08	2.74E-08	4.94E-10	-2.69E-08
3040	479353.24, 3850443.52	4.28E-07	7.71E-09	-4.21E-07	1.80E-08	3.24E-10	-1.77E-08	2.70E-08	4.86E-10	-2.65E-08
3041	479403.24, 3850443.52	4.20E-07	7.56E-09	-4.12E-07	1.77E-08	3.18E-10	-1.73E-08	2.64E-08	4.76E-10	-2.60E-08
3042	479453.24, 3850443.52	4.11E-07	7.40E-09	-4.04E-07	1.73E-08	3.11E-10	-1.70E-08	2.59E-08	4.66E-10	-2.54E-08
3043	479503.24, 3850443.52	4.01E-07	7.22E-09	-3.94E-07	1.69E-08	3.04E-10	-1.66E-08	2.53E-08	4.55E-10	-2.48E-08
3044	480327.18, 3850987.04	4.86E-07	8.74E-09	-4.77E-07	2.04E-08	3.68E-10	-2.01E-08	3.06E-08	5.51E-10	-3.00E-08
3045	480377.18, 3850987.04	4.79E-07	8.62E-09	-4.70E-07	2.01E-08	3.62E-10	-1.98E-08	3.01E-08	5.43E-10	-2.96E-08
3046	480427.18, 3850987.04	4.69E-07	8.43E-09	-4.60E-07	1.97E-08	3.55E-10	-1.94E-08	2.95E-08	5.31E-10	-2.90E-08
3047	480477.18, 3850987.04	4.57E-07	8.23E-09	-4.49E-07	1.92E-08	3.46E-10	-1.89E-08	2.88E-08	5.18E-10	-2.83E-08
3048	480327.18, 3851037.04	5.00E-07	9.00E-09	-4.91E-07	2.10E-08	3.79E-10	-2.07E-08	3.15E-08	5.67E-10	-3.09E-08
3049	480377.18, 3851037.04	4.91E-07	8.85E-09	-4.83E-07	2.07E-08	3.72E-10	-2.03E-08	3.10E-08	5.57E-10	-3.04E-08
3050	480427.18, 3851037.04	4.83E-07	8.69E-09	-4.74E-07	2.03E-08	3.66E-10	-1.99E-08	3.04E-08	5.48E-10	-2.99E-08
3051	480477.18, 3851037.04	4.74E-07	8.54E-09	-4.66E-07	2.00E-08	3.59E-10	-1.96E-08	2.99E-08	5.38E-10	-2.93E-08
3052	480622.06, 3851087.39	4.70E-07	8.46E-09	-4.61E-07	1.98E-08	3.56E-10	-1.94E-08	2.96E-08	5.33E-10	-2.91E-08
3053	480672.06, 3851087.39	4.64E-07	8.36E-09	-4.56E-07	1.95E-08	3.52E-10	-1.92E-08	2.92E-08	5.26E-10	-2.87E-08
3054	480622.06, 3851137.39	4.87E-07	8.77E-09	-4.78E-07	2.05E-08	3.69E-10	-2.01E-08	3.07E-08	5.52E-10	-3.01E-08
3055	480672.06, 3851137.39	4.81E-07	8.67E-09	-4.73E-07	2.03E-08	3.65E-10	-1.99E-08	3.03E-08	5.46E-10	-2.98E-08
3056	480722.06, 3851137.39	4.77E-07	8.59E-09	-4.69E-07	2.01E-08	3.61E-10	-1.97E-08	3.01E-08	5.41E-10	-2.95E-08
3057	480622.06, 3851187.39	5.04E-07	9.08E-09	-4.95E-07	2.12E-08	3.82E-10	-2.08E-08	3.18E-08	5.72E-10	-3.12E-08
3058	480672.06, 3851187.39	5.00E-07	9.00E-09	-4.91E-07	2.10E-08	3.79E-10	-2.07E-08	3.15E-08	5.67E-10	-3.09E-08
3059	480722.06, 3851187.39	4.96E-07	8.92E-09	-4.87E-07	2.09E-08	3.75E-10	-2.05E-08	3.12E-08	5.62E-10	-3.07E-08
3060	471363.09, 3845877.25	1.20E-07	2.17E-09	-1.18E-07	5.06E-09	9.12E-11	-4.97E-09	7.58E-09	1.36E-10	-7.45E-09
3061	471863.09, 3845877.25	1.26E-07	2.27E-09	-1.24E-07	5.30E-09	9.55E-11	-5.21E-09	7.94E-09	1.43E-10	-7.80E-09
3062	472363.09, 3845877.25	1.39E-07	2.50E-09	-1.36E-07	5.85E-09	1.05E-10	-5.74E-09	8.75E-09	1.58E-10	-8.60E-09
3063	472863.09, 3845877.25	1.30E-07	2.35E-09	-1.28E-07	5.49E-09	9.88E-11	-5.39E-09	8.21E-09	1.48E-10	-8.07E-09
3064	473363.09, 3845877.25	1.32E-07	2.37E-09	-1.29E-07	5.55E-09	9.98E-11	-5.45E-09	8.30E-09	1.49E-10	-8.15E-09
3065	473863.09, 3845877.25	1.30E-07	2.35E-09	-1.28E-07	5.49E-09	9.88E-11	-5.39E-09	8.21E-09	1.48E-10	-8.07E-09
3066	474363.09, 3845877.25	1.32E-07	2.37E-09	-1.29E-07	5.55E-09	9.98E-11	-5.45E-09	8.30E-09	1.49E-10	-8.15E-09
3067	474863.09, 3845877.25	1.35E-07	2.42E-09	-1.32E-07	5.67E-09	1.02E-10	-5.56E-09	8.48E-09	1.53E-10	-8.33E-09
3068	475363.09, 3845877.25	1.40E-07	2.53E-09	-1.38E-07	5.91E-09	1.06E-10	-5.80E-09	8.85E-09	1.59E-10	-8.69E-09
3069	475863.09, 3845877.25	1.46E-07	2.63E-09	-1.44E-07	6.15E-09	1.11E-10	-6.04E-09	9.21E-09	1.66E-10	-9.04E-09
3070	476363.09, 3845877.25	1.46E-07	2.63E-09	-1.44E-07	6.15E-09	1.11E-10	-6.04E-09	9.21E-09	1.66E-10	-9.04E-09
3071	476863.09, 3845877.25	1.45E-07	2.61E-09	-1.42E-07	6.09E-09	1.10E-10	-5.98E-09	9.12E-09	1.64E-10	-8.95E-09
3072	477363.09, 3845877.25	1.46E-07	2.63E-09	-1.44E-07	6.15E-09	1.11E-10	-6.04E-09	9.21E-09	1.66E-10	-9.04E-09
3073	477863.09, 3845877.25	1.43E-07	2.58E-09	-1.41E-07	6.03E-09	1.09E-10	-5.92E-09	9.03E-09	1.62E-10	-8.86E-09
3074	478363.09, 3845877.25	1.43E-07	2.58E-09	-1.41E-07	6.03E-09	1.09E-10	-5.92E-09	9.03E-09	1.62E-10	-8.86E-09
3075	478863.09, 3845877.25	1.40E-07	2.53E-09	-1.38E-07	5.91E-09	1.06E-10	-5.80E-09	8.85E-09	1.59E-10	-8.69E-09
3076	479363.09, 3845877.25	1.38E-07	2.48E-09	-1.35E-07	5.79E-09	1.04E-10	-5.68E-09	8.66E-09	1.56E-10	-8.51E-09
3077	479863.09, 3845877.25	1.29E-07	2.32E-09	-1.27E-07	5.42E-09	9.77E-11	-5.33E-09	8.12E-09	1.46E-10	-7.98E-09
3078	480363.09, 3845877.25	1.17E-07	2.12E-09	-1.15E-07	4.94E-09	8.90E-11	-4.85E-09	7.40E-09	1.33E-10	-7.27E-09
3079	480863.09, 3845877.25	1.09E-07	1.96E-09	-1.07E-07	4.58E-09	8.25E-11	-4.50E-09	6.86E-09	1.23E-10	-6.74E-09
3080	481363.09, 3845877.25	1.02E-07	1.83E-09	-9.99E-08	4.28E-09	7.70E-11	-4.20E-09	6.41E-09	1.15E-10	-6.29E-09
3081	481863.09, 3845877.25	9.74E-08	1.75E-09	-9.57E-08	4.10E-09	7.38E-11	-4.02E-09	6.14E-09	1.10E-10	-6.03E-09
3082	482363.09, 3845877.25	9.46E-08	1.70E-09	-9.29E-08	3.98E-09	7.16E-11	-3.91E-09	5.96E-09	1.07E-10	-5.85E-09
3083	482863.09, 3845877.25	8.88E-08	1.60E-09	-8.72E-08	3.74E-09	6.73E-11	-3.67E-09	5.60E-09	1.01E-10	-5.50E-09
3084	483363.09, 3845877.25	8.17E-08	1.47E-09	-8.02E-08	3.44E-09	6.19E-11	-3.37E-09	5.14E-09	9.26E-11	-5.05E-09
3085	483863.09, 3845877.25	8.45E-08	1.52E-09	-8.30E-08	3.56E-09	6.40E-11	-3.49E-09	5.33E-09	9.59E-11	-5.23E-09
3086	484363.09, 3845877.25	8.31E-08	1.50E-09	-8.16E-08	3.50E-09	6.29E-11	-3.43E-09	5.23E-09	9.42E-11	-5.14E-09
3087	484863.09, 3845877.25	8.31E-08	1.50E-09	-8.16E-08	3.50E-09	6.29E-11	-3.43E-09	5.23E-09	9.42E-11	-5.14E-09
3088	485363.09, 3845877.25	8.17E-08	1.47E-09	-8.02E-08	3.44E-09	6.19E-11	-3.37E-09	5.14E-09	9.26E-11	-5.05E-09
3089	485863.09, 3845877.25	8.02E-08	1.44E-09	-7.88E-08	3.38E-09	6.08E-11	-3.31E-09	5.05E-09	9.10E-11	-4.96E-09
3090	486363.09, 3845877.25	7.59E-08	1.37E-09	-7.46E-08	3.19E-09	5.75E-11	-3.14E-09	4.78E-09	8.61E-11	-4.70E-09
3091	486863.09, 3845877.25	7.31E-08	1.32E-09	-7.18E-08	3.07E-09	5.53E-11	-3.02E-09	4.60E-09	8.29E-11	-4.52E-09
3092	487363.09, 3845877.25	7.16E-08	1.29E-09	-7.03E-08	3.01E-09	5.43E-11	-2.96E-09	4.51E-09	8.12E-11	-4.43E-09
3093	487863.09, 3845877.25	6.88E-08	1.24E-09	-6.75E-08	2.89E-09	5.21E-11	-2.84E-09	4.33E-09	7.80E-11	-4.25E-09
3094	488363.09, 3845877.25	6.88E-08	1.24E-09	-6.75E-08	2.89E-09	5.21E-11	-2.84E-09	4.33E-09	7.80E-11	-4.25E-09
3095	488863.09, 3845877.25	7.16E-08	1.29E-09	-7.03E-08	3.01E-09	5.43E-11	-2.96E-09	4.51E-09	8.12E-11	-4.43E-09
3096	489363.09, 3845877.25	7.31E-08	1.32E-09	-7.18E-08	3.07E-09	5.53E-11	-3.02E-09	4.60E-09	8.29E-11	-4.52E-09
3097	489863.09, 3845877.25	6.88E-08	1.24E-09	-6.75E-08	2.89E-09	5.21E-11	-2.84E-09	4.33E-09	7.80E-11	-4.25E-09
3098	490363.09, 3845877.25	6.30E-08	1.13E-09	-6.19E-08	2.65E-09	4.77E-11	-2.60E-09	3.97E-09	7.15E-11	-3.90E-09
3099	490863.09, 3845877.25	5.59E-08	1.01E-09	-5.49E-08	2.35E-09	4.23E-11	-2.31E-09	3.52E-09	6.34E-11	-3.46E-09

3100	491363.09, 3845877.25	5.59E-08	1.01E-09	-5.49E-08	2.35E-09	4.23E-11	-2.31E-09	3.52E-09	6.34E-11	-3.46E-09
3101	491863.09, 3845877.25	5.59E-08	1.01E-09	-5.49E-08	2.35E-09	4.23E-11	-2.31E-09	3.52E-09	6.34E-11	-3.46E-09
3102	492363.09, 3845877.25	5.16E-08	9.29E-10	-5.07E-08	2.17E-09	3.91E-11	-2.13E-09	3.25E-09	5.85E-11	-3.19E-09
3103	492863.09, 3845877.25	5.59E-08	1.01E-09	-5.49E-08	2.35E-09	4.23E-11	-2.31E-09	3.52E-09	6.34E-11	-3.46E-09
3104	493363.09, 3845877.25	5.73E-08	1.03E-09	-5.63E-08	2.41E-09	4.34E-11	-2.37E-09	3.61E-09	6.50E-11	-3.55E-09
3105	493863.09, 3845877.25	5.59E-08	1.01E-09	-5.49E-08	2.35E-09	4.23E-11	-2.31E-09	3.52E-09	6.34E-11	-3.46E-09
3106	494363.09, 3845877.25	5.30E-08	9.54E-10	-5.21E-08	2.23E-09	4.02E-11	-2.19E-09	3.34E-09	6.01E-11	-3.28E-09
3107	494863.09, 3845877.25	5.16E-08	9.29E-10	-5.07E-08	2.17E-09	3.91E-11	-2.13E-09	3.25E-09	5.85E-11	-3.19E-09
3108	495363.09, 3845877.25	5.44E-08	9.80E-10	-5.35E-08	2.29E-09	4.12E-11	-2.25E-09	3.43E-09	6.17E-11	-3.37E-09
3109	495863.09, 3845877.25	5.44E-08	9.80E-10	-5.35E-08	2.29E-09	4.12E-11	-2.25E-09	3.43E-09	6.17E-11	-3.37E-09
3110	496363.09, 3845877.25	5.30E-08	9.54E-10	-5.21E-08	2.23E-09	4.02E-11	-2.19E-09	3.34E-09	6.01E-11	-3.28E-09
3111	496863.09, 3845877.25	5.01E-08	9.03E-10	-4.92E-08	2.11E-09	3.80E-11	-2.07E-09	3.16E-09	5.69E-11	-3.10E-09
3112	497363.09, 3845877.25	5.16E-08	9.29E-10	-5.07E-08	2.17E-09	3.91E-11	-2.13E-09	3.25E-09	5.85E-11	-3.19E-09
3113	497863.09, 3845877.25	5.30E-08	9.54E-10	-5.21E-08	2.23E-09	4.02E-11	-2.19E-09	3.34E-09	6.01E-11	-3.28E-09
3114	498363.09, 3845877.25	5.59E-08	1.01E-09	-5.49E-08	2.35E-09	4.23E-11	-2.31E-09	3.52E-09	6.34E-11	-3.46E-09
3115	471363.09, 3846377.25	1.60E-07	2.89E-09	-1.58E-07	6.75E-09	1.22E-10	-6.63E-09	1.01E-08	1.82E-10	-9.93E-09
3116	471863.09, 3846377.25	1.49E-07	2.68E-09	-1.46E-07	6.27E-09	1.13E-10	-6.16E-09	9.39E-09	1.69E-10	-9.22E-09
3117	472363.09, 3846377.25	1.29E-07	2.32E-09	-1.27E-07	5.42E-09	9.77E-11	-5.33E-09	8.12E-09	1.46E-10	-7.98E-09
3118	472863.09, 3846377.25	1.39E-07	2.50E-09	-1.36E-07	5.85E-09	1.05E-10	-5.74E-09	8.75E-09	1.58E-10	-8.60E-09
3119	473363.09, 3846377.25	1.42E-07	2.55E-09	-1.39E-07	5.97E-09	1.07E-10	-5.86E-09	8.94E-09	1.61E-10	-8.77E-09
3120	473863.09, 3846377.25	1.48E-07	2.66E-09	-1.45E-07	6.21E-09	1.12E-10	-6.10E-09	9.30E-09	1.67E-10	-9.13E-09
3121	474363.09, 3846377.25	1.48E-07	2.66E-09	-1.45E-07	6.21E-09	1.12E-10	-6.10E-09	9.30E-09	1.67E-10	-9.13E-09
3122	474863.09, 3846377.25	1.49E-07	2.68E-09	-1.46E-07	6.27E-09	1.13E-10	-6.16E-09	9.39E-09	1.69E-10	-9.22E-09
3123	475363.09, 3846377.25	1.49E-07	2.68E-09	-1.46E-07	6.27E-09	1.13E-10	-6.16E-09	9.39E-09	1.69E-10	-9.22E-09
3124	475863.09, 3846377.25	1.55E-07	2.79E-09	-1.52E-07	6.51E-09	1.17E-10	-6.39E-09	9.75E-09	1.75E-10	-9.57E-09
3125	476363.09, 3846377.25	1.53E-07	2.76E-09	-1.51E-07	6.45E-09	1.16E-10	-6.33E-09	9.66E-09	1.74E-10	-9.48E-09
3126	476863.09, 3846377.25	1.55E-07	2.79E-09	-1.52E-07	6.51E-09	1.17E-10	-6.39E-09	9.75E-09	1.75E-10	-9.57E-09
3127	477363.09, 3846377.25	1.55E-07	2.79E-09	-1.52E-07	6.51E-09	1.17E-10	-6.39E-09	9.75E-09	1.75E-10	-9.57E-09
3128	477863.09, 3846377.25	1.52E-07	2.73E-09	-1.49E-07	6.39E-09	1.15E-10	-6.27E-09	9.57E-09	1.72E-10	-9.40E-09
3129	478363.09, 3846377.25	1.50E-07	2.71E-09	-1.48E-07	6.33E-09	1.14E-10	-6.22E-09	9.48E-09	1.71E-10	-9.31E-09
3130	478863.09, 3846377.25	1.55E-07	2.79E-09	-1.52E-07	6.51E-09	1.17E-10	-6.39E-09	9.75E-09	1.75E-10	-9.57E-09
3131	479363.09, 3846377.25	1.52E-07	2.73E-09	-1.49E-07	6.39E-09	1.15E-10	-6.27E-09	9.57E-09	1.72E-10	-9.40E-09
3132	479863.09, 3846377.25	1.43E-07	2.58E-09	-1.41E-07	6.03E-09	1.09E-10	-5.92E-09	9.03E-09	1.62E-10	-8.86E-09
3133	480363.09, 3846377.25	1.36E-07	2.45E-09	-1.34E-07	5.73E-09	1.03E-10	-5.62E-09	8.57E-09	1.54E-10	-8.42E-09
3134	480863.09, 3846377.25	1.22E-07	2.19E-09	-1.20E-07	5.12E-09	9.22E-11	-5.03E-09	7.67E-09	1.38E-10	-7.53E-09
3135	481363.09, 3846377.25	1.13E-07	2.04E-09	-1.11E-07	4.76E-09	8.57E-11	-4.68E-09	7.13E-09	1.28E-10	-7.00E-09
3136	481863.09, 3846377.25	1.06E-07	1.91E-09	-1.04E-07	4.46E-09	8.03E-11	-4.38E-09	6.68E-09	1.20E-10	-6.56E-09
3137	482363.09, 3846377.25	1.00E-07	1.81E-09	-9.85E-08	4.22E-09	7.60E-11	-4.14E-09	6.32E-09	1.14E-10	-6.20E-09
3138	482863.09, 3846377.25	9.60E-08	1.73E-09	-9.43E-08	4.04E-09	7.27E-11	-3.97E-09	6.05E-09	1.09E-10	-5.94E-09
3139	483363.09, 3846377.25	9.60E-08	1.73E-09	-9.43E-08	4.04E-09	7.27E-11	-3.97E-09	6.05E-09	1.09E-10	-5.94E-09
3140	483863.09, 3846377.25	9.17E-08	1.65E-09	-9.00E-08	3.86E-09	6.95E-11	-3.79E-09	5.78E-09	1.04E-10	-5.67E-09
3141	484363.09, 3846377.25	8.74E-08	1.57E-09	-8.58E-08	3.68E-09	6.62E-11	-3.61E-09	5.51E-09	9.91E-11	-5.41E-09
3142	484863.09, 3846377.25	8.74E-08	1.57E-09	-8.58E-08	3.68E-09	6.62E-11	-3.61E-09	5.51E-09	9.91E-11	-5.41E-09
3143	485363.09, 3846377.25	8.88E-08	1.60E-09	-8.72E-08	3.74E-09	6.73E-11	-3.67E-09	5.60E-09	1.01E-10	-5.50E-09
3144	485863.09, 3846377.25	8.60E-08	1.55E-09	-8.44E-08	3.62E-09	6.51E-11	-3.55E-09	5.42E-09	9.75E-11	-5.32E-09
3145	486363.09, 3846377.25	8.02E-08	1.44E-09	-7.88E-08	3.38E-09	6.08E-11	-3.31E-09	5.05E-09	9.10E-11	-4.96E-09
3146	486863.09, 3846377.25	7.59E-08	1.37E-09	-7.46E-08	3.19E-09	5.75E-11	-3.14E-09	4.78E-09	8.61E-11	-4.70E-09
3147	487363.09, 3846377.25	7.59E-08	1.37E-09	-7.46E-08	3.19E-09	5.75E-11	-3.14E-09	4.78E-09	8.61E-11	-4.70E-09
3148	487863.09, 3846377.25	7.74E-08	1.39E-09	-7.60E-08	3.25E-09	5.86E-11	-3.20E-09	4.87E-09	8.77E-11	-4.79E-09
3149	488363.09, 3846377.25	7.59E-08	1.37E-09	-7.46E-08	3.19E-09	5.75E-11	-3.14E-09	4.78E-09	8.61E-11	-4.70E-09
3150	488863.09, 3846377.25	7.59E-08	1.37E-09	-7.46E-08	3.19E-09	5.75E-11	-3.14E-09	4.78E-09	8.61E-11	-4.70E-09
3151	489363.09, 3846377.25	7.59E-08	1.37E-09	-7.46E-08	3.19E-09	5.75E-11	-3.14E-09	4.78E-09	8.61E-11	-4.70E-09
3152	489863.09, 3846377.25	7.45E-08	1.34E-09	-7.32E-08	3.13E-09	5.64E-11	-3.08E-09	4.69E-09	8.45E-11	-4.61E-09
3153	490363.09, 3846377.25	6.59E-08	1.19E-09	-6.47E-08	2.77E-09	4.99E-11	-2.72E-09	4.15E-09	7.47E-11	-4.08E-09
3154	490863.09, 3846377.25	6.02E-08	1.08E-09	-5.91E-08	2.53E-09	4.56E-11	-2.49E-09	3.79E-09	6.82E-11	-3.72E-09
3155	491363.09, 3846377.25	5.73E-08	1.03E-09	-5.63E-08	2.41E-09	4.34E-11	-2.37E-09	3.61E-09	6.50E-11	-3.55E-09
3156	491863.09, 3846377.25	5.87E-08	1.06E-09	-5.77E-08	2.47E-09	4.45E-11	-2.43E-09	3.70E-09	6.66E-11	-3.63E-09
3157	492363.09, 3846377.25	5.73E-08	1.03E-09	-5.63E-08	2.41E-09	4.34E-11	-2.37E-09	3.61E-09	6.50E-11	-3.55E-09
3158	492863.09, 3846377.25	5.73E-08	1.03E-09	-5.63E-08	2.41E-09	4.34E-11	-2.37E-09	3.61E-09	6.50E-11	-3.55E-09
3159	493363.09, 3846377.25	6.16E-08	1.11E-09	-6.05E-08	2.59E-09	4.67E-11	-2.55E-09	3.88E-09	6.99E-11	-3.81E-09
3160	493863.09, 3846377.25	6.02E-08	1.08E-09	-5.91E-08	2.53E-09	4.56E-11	-2.49E-09	3.79E-09	6.82E-11	-3.72E-09
3161	494363.09, 3846377.25	5.59E-08	1.01E-09	-5.49E-08	2.35E-09	4.23E-11	-2.31E-09	3.52E-09	6.34E-11	-3.46E-09
3162	494863.09, 3846377.25	5.44E-08	9.80E-10	-5.35E-08	2.29E-09	4.12E-11	-2.25E-09	3.43E-09	6.17E-11	-3.37E-09
3163	495363.09, 3846377.25	5.73E-08	1.03E-09	-5.63E-08	2.41E-09	4.34E-11	-2.37E-09	3.61E-09	6.50E-11	-3.55E-09
3164	495863.09, 3846377.25	5.73E-08	1.03E-09	-5.63E-08	2.41E-09	4.34E-11	-2.37E-09	3.61E-09	6.50E-11	-3.55E-09
3165	496363.09, 3846377.25	5.59E-08	1.01E-09	-5.49E-08	2.35E-09	4.23E-11	-2.31E-09	3.52E-09	6.34E-11	-3.46E-09
3166	496863.09, 3846377.25	5.30E-08	9.54E-10	-5.21E-08	2.23E-09	4.02E-11	-2.19E-09	3.34E-09	6.01E-11	-3.28E-09
3167	497363.09, 3846377.25	5.44E-08	9.80E-10	-5.35E-08	2.29E-09	4.12E-11	-2.25E-09	3.43E-09	6.17E-11	-3.37E-09
3168	497863.09, 3846377.25	5.59E-08	1.01E-09	-5.49E-08	2.35E-09	4.23E-11	-2.31E-09	3.52E-09	6.34E-11	-3.46E-09
3169	498363.09, 3846377.25	5.87E-08	1.06E-09	-5.77E-08	2.47E-09	4.45E-11	-2.43E-09	3.70E-09	6.66E-11	-3.63E-09
3170	471363.09, 3846877.25	1.68E-07	3.02E-09	-1.65E-07	7.05E-09	1.27E-10	-6.93E-09	1.06E-08	1.90E-10	-1.04E-08
3171	471863.09, 3846877.25	1.72E-07	3.10E-09	-1.69E-07	7.23E-09	1.30E-10	-7.10E-09	1.08E-08	1.95E-10	-1.06E-08
3172	472363.09, 3846877.25	1.63E-07	2.94E-09	-1.60E-07	6.87E-09	1.24E-10	-6.75E-09	1.03E-08	1.85E-10	-1.01E-08
3173	472863.09, 3846877.25	1.29E-07	2.32E-09	-1.27E-07	5.42E-09	9.77E-11	-5.33E-09	8.12E-09	1.46E-10	-7.98E-09
3174	473363.09, 3846877.25	1.48E-07	2.66E-09	-1.45E-07	6.21E-09	1.12E-10	-6.10E-09	9.30E-09	1.67E-10	-9.13E-09
3175	473863.09, 3846877.25	1.62E-07	2.91E-09	-1.59E-07	6.81E-09	1.23E-10	-6.69E-09	1.02E-08	1.84E-10	-1.00E-08
3176	474363.09, 3846877.25	1.62E-07	2.91E-09	-1.59E-07	6.81E-09	1.23E-10	-6.69E-09	1.02E-08	1.84E-10	-1.00E-08
3177	474863.09, 3846877.25	1.60E-07	2.89E-09	-1.58E-07	6.75E-09	1.22E-10	-6.63E-09	1.01E-08	1.82E-10	-9.93E-09
3178	475363.09, 3846877.25	1.56E-07	2.81E-09	-1.53E-07	6.57E-09	1.18E-10	-6.45E-09	9.84E-09	1.77E-10	-9.66E-09
3179	475863.09, 3846877.25	1.63E-07	2.94E-09	-1.60E-07	6.87E-09	1.24E-10	-6.75E-09	1.03E-08	1.85E-10	-1.01E-08
3180	476363.09, 3846877.25	1.65E-07	2.97E-09	-1.62E-07	6.93E-09	1.25E-10	-6.81E-09	1.04E-08	1.87E-10	-1.02E-08
3181	476863.09, 3846877.25	1.62E-07	2.91E-09	-1.59E-07	6.81E-09	1.23E-10	-6.69E-09	1.02E-08	1.84E-10	-1.00E-08
3182	477363.09, 3846877.25	1.65E-07	2.97E-09	-1.62E-07	6.93E-09	1.25E-10	-6.81E-09	1.04E-08	1.87E-10	-1.02E-08
3183	477863.09, 3846877.25	1.62E-07	2.91E-09	-1.59E-07	6.81E-09	1.23E-10	-6.69E-09	1.02E-08	1.84E-10	-1.00E-08
3184	478363.09, 3846877.25	1.63E-07	2.94E-09	-1.60E-07	6.87E-09	1.24E-10	-6.75E-09	1.03E-08	1.85E-10	-1.01E-08
3185	478863.09, 3846877.25	1.68E-07	3.02E-09	-1.65E-07	7.05E-09	1.27E-10	-6.93E-09	1.06E-08	1.90E-10	-1.04E-08
3186	479363.09, 3846877.25	1.65E-07	2.97E-09	-1.62E-07	6.93E-09	1.25E-10	-6.81E-09	1.04E-08	1.87E-10	-1.02E-08
3187	479863.09, 3846877.25	1.49E-07	2.68E-09	-1.46E-07	6.27E-09	1.13E-10	-6.16E-09	9.39E-09	1.69E-10	-9.22E-09
3188	480363.09, 3846877.25	1.38E-07	2.48E-09	-1.35E-07	5.79E-09	1.04E-10	-5.68E-09	8.66E-09	1.56E-10	-8.51E-09
3189	480863.09, 3846877.25	1.29E-07	2.32E-09	-1.27E-07	5.42E-09	9.77E-11	-5.33E-09	8.12E-09	1.46E-10	-7.98E-09
3190	481363.09, 3846877.25	1.23E-07	2.22E-09	-1.21E-07	5.18E-09	9.33E-11	-5.09E-09	7.76E-09	1.40E-10	-7.62E-09
3191	481863.09, 3846877.25	1.16E-07	2.09E-09	-1.14E-07	4.88E-09	8.79E-11	-4.79E-09	7.31E-09	1.32E-10	-7.18E-09
3192	482363.09, 3846877.25	1.06E-07	1.91E-09	-1.04E-07	4.46E-09	8.03E-11	-4.38E-09	6.68E-09	1.20E-10	-6.56E-09
3193	482863.09, 3846877.25	1.05E-07	1.88E-09	-1.03E-07	4.40E-09	7.92E-11	-4.32E-09	6.59E-09	1.19E-10	-6.47E-09
3194	483363.09, 3846877.25	1.03E-07	1.86E-09	-1.01E-07	4.34E-09	7.81E-11	-4.26E-09	6.50E-09	1.17E-10	-6.38E-09
3195	483863.09, 3846877.25	1.02E-07	1.83E-09	-9.99E-08	4.28E-09	7.70E-11	-4.20E-09	6.41E-09	1.15E-10	-6.29E-09
3196	484363.09, 3846877.25	9.60E-08	1.73E-09	-9.43E-08	4.04E-09	7.27E-11	-3.97E-09	6.05E-09	1.09E-10	-5.94E-09
3197	484863.09, 3846877.25	9.17E-08	1.65E-09	-9.00E-08	3.86E-09	6.95E-11	-3.79E-09	5.78E-09	1.04E-10	-5.67E-09
3198	485363.09, 3846877.25	9.31E-08	1.68E-09	-9.15E-08	3.92E-09	7.05E-11	-3.85E-09	5.87E-09	1.06E-10	-5.76E-09
3199	485863.09, 3846877.25	9.17E-08	1.65E-09	-9.00E-08	3.86E-09	6.95E-11	-3.79E-09	5.78E-09	1.04E-10	-5.67E-09
3200	486363.09, 3846877.25	9.03E-08	1.63E-09	-8.86E-08	3.80E-09	6.84E-11	-3.73E-09	5.69E-09	1.02E-10	-5.58E-09
3201	486863.09, 3846877.25	8.45E-08	1.52E-09	-8.30E-08	3.56E-09	6.40E-11	-3.49E-09	5.33E-09	9.59E-11	-5.23E-09
3202	487363.09, 3846877.25	8.31E-08	1.50E-09	-8.16E-08	3.50E-09	6.29E-11	-3.43E-09	5.23E-09	9.42E-11	-5.14E-09
3203	487863.09, 3846877.25	8.17E-08	1.47E-09	-8.02E-08	3.44E-09	6.19E-11	-3.37E-09	5.14E-09	9.26E-11	-5.05E-09
3204	488363.09, 3846877.25	8.02E-08	1.44E-09	-7.88E-08	3.38E-09	6.08E-11	-3.31E-09	5.05E-09	9.10E-11	-4.96E-09
3205	488863.09, 3846877.25	8.02E-08	1.44E-09	-7.88E-08	3.38E-09	6.08E-11	-3.31E-09	5.05E-09	9.10E-11	-4.96E-09
3206	489363.09, 3846877.25	8.02E-08	1.44E-09	-7.88E-08	3.38E-09	6.08E-11	-3.31E-09	5.05E-09	9.10E-11	-4.96E-09

3207	489863.09, 3846877.25	8.02E-08	1.44E-09	-7.88E-08	3.38E-09	6.08E-11	-3.31E-09	5.05E-09	9.10E-11	-4.96E-09
3208	490363.09, 3846877.25	7.16E-08	1.29E-09	-7.03E-08	3.01E-09	5.43E-11	-2.96E-09	4.51E-09	8.12E-11	-4.43E-09
3209	490863.09, 3846877.25	6.88E-08	1.24E-09	-6.75E-08	2.89E-09	5.21E-11	-2.84E-09	4.33E-09	7.80E-11	-4.25E-09
3210	491363.09, 3846877.25	6.45E-08	1.16E-09	-6.33E-08	2.71E-09	4.88E-11	-2.66E-09	4.06E-09	7.31E-11	-3.99E-09
3211	491863.09, 3846877.25	6.02E-08	1.08E-09	-5.91E-08	2.53E-09	4.56E-11	-2.49E-09	3.79E-09	6.82E-11	-3.72E-09
3212	492363.09, 3846877.25	6.45E-08	1.16E-09	-6.33E-08	2.71E-09	4.88E-11	-2.66E-09	4.06E-09	7.31E-11	-3.99E-09
3213	492863.09, 3846877.25	6.45E-08	1.16E-09	-6.33E-08	2.71E-09	4.88E-11	-2.66E-09	4.06E-09	7.31E-11	-3.99E-09
3214	493363.09, 3846877.25	6.59E-08	1.19E-09	-6.47E-08	2.77E-09	4.99E-11	-2.72E-09	4.15E-09	7.47E-11	-4.08E-09
3215	493863.09, 3846877.25	6.30E-08	1.13E-09	-6.19E-08	2.65E-09	4.77E-11	-2.60E-09	3.97E-09	7.15E-11	-3.90E-09
3216	494363.09, 3846877.25	5.87E-08	1.06E-09	-5.77E-08	2.47E-09	4.45E-11	-2.43E-09	3.70E-09	6.66E-11	-3.63E-09
3217	494863.09, 3846877.25	5.73E-08	1.03E-09	-5.63E-08	2.41E-09	4.34E-11	-2.37E-09	3.61E-09	6.50E-11	-3.55E-09
3218	495363.09, 3846877.25	5.87E-08	1.06E-09	-5.77E-08	2.47E-09	4.45E-11	-2.43E-09	3.70E-09	6.66E-11	-3.63E-09
3219	495863.09, 3846877.25	5.87E-08	1.06E-09	-5.77E-08	2.47E-09	4.45E-11	-2.43E-09	3.70E-09	6.66E-11	-3.63E-09
3220	496363.09, 3846877.25	5.73E-08	1.03E-09	-5.63E-08	2.41E-09	4.34E-11	-2.37E-09	3.61E-09	6.50E-11	-3.55E-09
3221	496863.09, 3846877.25	5.44E-08	9.80E-10	-5.35E-08	2.29E-09	4.12E-11	-2.25E-09	3.43E-09	6.17E-11	-3.37E-09
3222	497363.09, 3846877.25	5.59E-08	1.01E-09	-5.49E-08	2.35E-09	4.23E-11	-2.31E-09	3.52E-09	6.34E-11	-3.46E-09
3223	497863.09, 3846877.25	5.87E-08	1.06E-09	-5.77E-08	2.47E-09	4.45E-11	-2.43E-09	3.70E-09	6.66E-11	-3.63E-09
3224	498363.09, 3846877.25	6.16E-08	1.11E-09	-6.05E-08	2.59E-09	4.67E-11	-2.55E-09	3.88E-09	6.99E-11	-3.81E-09
3225	471363.09, 3847377.25	1.79E-07	3.22E-09	-1.76E-07	7.53E-09	1.36E-10	-7.40E-09	1.13E-08	2.03E-10	-1.11E-08
3226	471863.09, 3847377.25	1.79E-07	3.22E-09	-1.76E-07	7.53E-09	1.36E-10	-7.40E-09	1.13E-08	2.03E-10	-1.11E-08
3227	472363.09, 3847377.25	1.81E-07	3.25E-09	-1.77E-07	7.59E-09	1.37E-10	-7.46E-09	1.14E-08	2.05E-10	-1.12E-08
3228	472863.09, 3847377.25	1.70E-07	3.07E-09	-1.67E-07	7.17E-09	1.29E-10	-7.04E-09	1.07E-08	1.93E-10	-1.05E-08
3229	473363.09, 3847377.25	1.45E-07	2.61E-09	-1.42E-07	6.09E-09	1.10E-10	-5.98E-09	9.12E-09	1.64E-10	-8.95E-09
3230	473863.09, 3847377.25	1.60E-07	2.89E-09	-1.58E-07	6.75E-09	1.22E-10	-6.63E-09	1.01E-08	1.82E-10	-9.93E-09
3231	474363.09, 3847377.25	1.81E-07	3.25E-09	-1.77E-07	7.59E-09	1.37E-10	-7.46E-09	1.14E-08	2.05E-10	-1.12E-08
3232	474863.09, 3847377.25	1.76E-07	3.17E-09	-1.73E-07	7.41E-09	1.33E-10	-7.28E-09	1.11E-08	2.00E-10	-1.09E-08
3233	475363.09, 3847377.25	1.68E-07	3.02E-09	-1.65E-07	7.05E-09	1.27E-10	-6.93E-09	1.06E-08	1.90E-10	-1.04E-08
3234	475863.09, 3847377.25	1.76E-07	3.17E-09	-1.73E-07	7.41E-09	1.33E-10	-7.28E-09	1.11E-08	2.00E-10	-1.09E-08
3235	476363.09, 3847377.25	1.89E-07	3.40E-09	-1.86E-07	7.96E-09	1.43E-10	-7.81E-09	1.19E-08	2.14E-10	-1.17E-08
3236	476863.09, 3847377.25	1.78E-07	3.20E-09	-1.74E-07	7.47E-09	1.35E-10	-7.34E-09	1.12E-08	2.01E-10	-1.10E-08
3237	477363.09, 3847377.25	1.76E-07	3.17E-09	-1.73E-07	7.41E-09	1.33E-10	-7.28E-09	1.11E-08	2.00E-10	-1.09E-08
3238	477863.09, 3847377.25	1.75E-07	3.15E-09	-1.72E-07	7.35E-09	1.32E-10	-7.22E-09	1.10E-08	1.98E-10	-1.08E-08
3239	478363.09, 3847377.25	1.76E-07	3.17E-09	-1.73E-07	7.41E-09	1.33E-10	-7.28E-09	1.11E-08	2.00E-10	-1.09E-08
3240	478863.09, 3847377.25	1.75E-07	3.15E-09	-1.72E-07	7.35E-09	1.32E-10	-7.22E-09	1.10E-08	1.98E-10	-1.08E-08
3241	479363.09, 3847377.25	1.58E-07	2.84E-09	-1.55E-07	6.63E-09	1.19E-10	-6.51E-09	9.93E-09	1.79E-10	-9.75E-09
3242	479863.09, 3847377.25	1.43E-07	2.58E-09	-1.41E-07	6.03E-09	1.09E-10	-5.92E-09	9.03E-09	1.62E-10	-8.86E-09
3243	480363.09, 3847377.25	1.32E-07	2.37E-09	-1.29E-07	5.55E-09	9.98E-11	-5.45E-09	8.30E-09	1.49E-10	-8.15E-09
3244	480863.09, 3847377.25	1.28E-07	2.30E-09	-1.25E-07	5.36E-09	9.66E-11	-5.27E-09	8.03E-09	1.45E-10	-7.89E-09
3245	481363.09, 3847377.25	1.26E-07	2.27E-09	-1.24E-07	5.30E-09	9.55E-11	-5.21E-09	7.94E-09	1.43E-10	-7.80E-09
3246	481863.09, 3847377.25	1.28E-07	2.30E-09	-1.25E-07	5.36E-09	9.66E-11	-5.27E-09	8.03E-09	1.45E-10	-7.89E-09
3247	482363.09, 3847377.25	1.19E-07	2.14E-09	-1.17E-07	5.00E-09	9.01E-11	-4.91E-09	7.49E-09	1.35E-10	-7.36E-09
3248	482863.09, 3847377.25	1.12E-07	2.01E-09	-1.10E-07	4.70E-09	8.46E-11	-4.62E-09	7.04E-09	1.27E-10	-6.91E-09
3249	483363.09, 3847377.25	1.09E-07	1.96E-09	-1.07E-07	4.58E-09	8.25E-11	-4.50E-09	6.86E-09	1.23E-10	-6.74E-09
3250	483863.09, 3847377.25	1.09E-07	1.96E-09	-1.07E-07	4.58E-09	8.25E-11	-4.50E-09	6.86E-09	1.23E-10	-6.74E-09
3251	484363.09, 3847377.25	1.07E-07	1.93E-09	-1.06E-07	4.52E-09	8.14E-11	-4.44E-09	6.77E-09	1.22E-10	-6.65E-09
3252	484863.09, 3847377.25	1.00E-07	1.81E-09	-9.85E-08	4.22E-09	7.60E-11	-4.14E-09	6.32E-09	1.14E-10	-6.20E-09
3253	485363.09, 3847377.25	9.74E-08	1.75E-09	-9.57E-08	4.10E-09	7.38E-11	-4.02E-09	6.14E-09	1.10E-10	-6.03E-09
3254	485863.09, 3847377.25	9.74E-08	1.75E-09	-9.57E-08	4.10E-09	7.38E-11	-4.02E-09	6.14E-09	1.10E-10	-6.03E-09
3255	486363.09, 3847377.25	9.89E-08	1.78E-09	-9.71E-08	4.16E-09	7.49E-11	-4.08E-09	6.23E-09	1.12E-10	-6.12E-09
3256	486863.09, 3847377.25	9.31E-08	1.68E-09	-9.15E-08	3.92E-09	7.05E-11	-3.85E-09	5.87E-09	1.06E-10	-5.76E-09
3257	487363.09, 3847377.25	9.03E-08	1.63E-09	-8.86E-08	3.80E-09	6.84E-11	-3.73E-09	5.69E-09	1.02E-10	-5.58E-09
3258	487863.09, 3847377.25	8.74E-08	1.57E-09	-8.58E-08	3.68E-09	6.62E-11	-3.61E-09	5.51E-09	9.91E-11	-5.41E-09
3259	488363.09, 3847377.25	8.60E-08	1.55E-09	-8.44E-08	3.62E-09	6.51E-11	-3.55E-09	5.42E-09	9.75E-11	-5.32E-09
3260	488863.09, 3847377.25	8.60E-08	1.55E-09	-8.44E-08	3.62E-09	6.51E-11	-3.55E-09	5.42E-09	9.75E-11	-5.32E-09
3261	489363.09, 3847377.25	8.45E-08	1.52E-09	-8.30E-08	3.56E-09	6.40E-11	-3.49E-09	5.33E-09	9.59E-11	-5.23E-09
3262	489863.09, 3847377.25	8.45E-08	1.52E-09	-8.30E-08	3.56E-09	6.40E-11	-3.49E-09	5.33E-09	9.59E-11	-5.23E-09
3263	490363.09, 3847377.25	8.17E-08	1.47E-09	-8.02E-08	3.44E-09	6.19E-11	-3.37E-09	5.14E-09	9.26E-11	-5.05E-09
3264	490863.09, 3847377.25	7.88E-08	1.42E-09	-7.74E-08	3.32E-09	5.97E-11	-3.26E-09	4.96E-09	8.94E-11	-4.87E-09
3265	491363.09, 3847377.25	7.31E-08	1.32E-09	-7.18E-08	3.07E-09	5.53E-11	-3.02E-09	4.60E-09	8.29E-11	-4.52E-09
3266	491863.09, 3847377.25	7.02E-08	1.26E-09	-6.89E-08	2.95E-09	5.32E-11	-2.90E-09	4.42E-09	7.96E-11	-4.34E-09
3267	492363.09, 3847377.25	6.88E-08	1.24E-09	-6.75E-08	2.89E-09	5.21E-11	-2.84E-09	4.33E-09	7.80E-11	-4.25E-09
3268	492863.09, 3847377.25	7.02E-08	1.26E-09	-6.89E-08	2.95E-09	5.32E-11	-2.90E-09	4.42E-09	7.96E-11	-4.34E-09
3269	493363.09, 3847377.25	7.02E-08	1.26E-09	-6.89E-08	2.95E-09	5.32E-11	-2.90E-09	4.42E-09	7.96E-11	-4.34E-09
3270	493863.09, 3847377.25	6.73E-08	1.21E-09	-6.61E-08	2.83E-09	5.10E-11	-2.78E-09	4.24E-09	7.64E-11	-4.17E-09
3271	494363.09, 3847377.25	6.16E-08	1.11E-09	-6.05E-08	2.59E-09	4.67E-11	-2.55E-09	3.88E-09	6.99E-11	-3.81E-09
3272	494863.09, 3847377.25	5.87E-08	1.06E-09	-5.77E-08	2.47E-09	4.45E-11	-2.43E-09	3.70E-09	6.66E-11	-3.63E-09
3273	495363.09, 3847377.25	6.02E-08	1.08E-09	-5.91E-08	2.53E-09	4.56E-11	-2.49E-09	3.79E-09	6.82E-11	-3.72E-09
3274	495863.09, 3847377.25	6.02E-08	1.08E-09	-5.91E-08	2.53E-09	4.56E-11	-2.49E-09	3.79E-09	6.82E-11	-3.72E-09
3275	496363.09, 3847377.25	5.73E-08	1.03E-09	-5.63E-08	2.41E-09	4.34E-11	-2.37E-09	3.61E-09	6.50E-11	-3.55E-09
3276	496863.09, 3847377.25	5.59E-08	1.01E-09	-5.49E-08	2.35E-09	4.23E-11	-2.31E-09	3.52E-09	6.34E-11	-3.46E-09
3277	497363.09, 3847377.25	5.87E-08	1.06E-09	-5.77E-08	2.47E-09	4.45E-11	-2.43E-09	3.70E-09	6.66E-11	-3.63E-09
3278	497863.09, 3847377.25	6.16E-08	1.11E-09	-6.05E-08	2.59E-09	4.67E-11	-2.55E-09	3.88E-09	6.99E-11	-3.81E-09
3279	498363.09, 3847377.25	6.45E-08	1.16E-09	-6.33E-08	2.71E-09	4.88E-11	-2.66E-09	4.06E-09	7.31E-11	-3.99E-09
3280	471363.09, 3847877.25	2.13E-07	3.84E-09	-2.10E-07	8.98E-09	1.62E-10	-8.82E-09	1.34E-08	2.42E-10	-1.32E-08
3281	471863.09, 3847877.25	2.09E-07	3.77E-09	-2.05E-07	8.80E-09	1.58E-10	-8.64E-09	1.32E-08	2.37E-10	-1.29E-08
3282	472363.09, 3847877.25	1.98E-07	3.56E-09	-1.94E-07	8.32E-09	1.50E-10	-8.17E-09	1.25E-08	2.24E-10	-1.22E-08
3283	472863.09, 3847877.25	1.95E-07	3.51E-09	-1.91E-07	8.20E-09	1.48E-10	-8.05E-09	1.23E-08	2.21E-10	-1.21E-08
3284	473363.09, 3847877.25	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
3285	473863.09, 3847877.25	1.85E-07	3.33E-09	-1.81E-07	7.78E-09	1.40E-10	-7.64E-09	1.16E-08	2.10E-10	-1.14E-08
3286	474363.09, 3847877.25	1.68E-07	3.02E-09	-1.65E-07	7.05E-09	1.27E-10	-6.93E-09	1.06E-08	1.90E-10	-1.04E-08
3287	474863.09, 3847877.25	1.93E-07	3.48E-09	-1.90E-07	8.14E-09	1.46E-10	-7.99E-09	1.22E-08	2.19E-10	-1.20E-08
3288	475363.09, 3847877.25	1.89E-07	3.40E-09	-1.86E-07	7.96E-09	1.43E-10	-7.81E-09	1.19E-08	2.14E-10	-1.17E-08
3289	475863.09, 3847877.25	1.81E-07	3.25E-09	-1.77E-07	7.59E-09	1.37E-10	-7.46E-09	1.14E-08	2.05E-10	-1.12E-08
3290	476363.09, 3847877.25	2.03E-07	3.66E-09	-2.00E-07	8.56E-09	1.54E-10	-8.41E-09	1.28E-08	2.31E-10	-1.26E-08
3291	476863.09, 3847877.25	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
3292	477363.09, 3847877.25	1.98E-07	3.56E-09	-1.94E-07	8.32E-09	1.50E-10	-8.17E-09	1.25E-08	2.24E-10	-1.22E-08
3293	477863.09, 3847877.25	1.92E-07	3.46E-09	-1.89E-07	8.08E-09	1.45E-10	-7.93E-09	1.21E-08	2.18E-10	-1.19E-08
3294	478363.09, 3847877.25	1.88E-07	3.38E-09	-1.84E-07	7.90E-09	1.42E-10	-7.75E-09	1.18E-08	2.13E-10	-1.16E-08
3295	478863.09, 3847877.25	1.82E-07	3.28E-09	-1.79E-07	7.66E-09	1.38E-10	-7.52E-09	1.15E-08	2.06E-10	-1.13E-08
3296	479363.09, 3847877.25	1.53E-07	2.76E-09	-1.51E-07	6.45E-09	1.16E-10	-6.33E-09	9.66E-09	1.74E-10	-9.48E-09
3297	479863.09, 3847877.25	1.30E-07	2.35E-09	-1.28E-07	5.49E-09	9.88E-11	-5.39E-09	8.21E-09	1.48E-10	-8.07E-09
3298	480363.09, 3847877.25	1.38E-07	2.48E-09	-1.35E-07	5.79E-09	1.04E-10	-5.68E-09	8.66E-09	1.56E-10	-8.51E-09
3299	480863.09, 3847877.25	1.36E-07	2.45E-09	-1.34E-07	5.73E-09	1.03E-10	-5.62E-09	8.57E-09	1.54E-10	-8.42E-09
3300	481363.09, 3847877.25	1.36E-07	2.45E-09	-1.34E-07	5.73E-09	1.03E-10	-5.62E-09	8.57E-09	1.54E-10	-8.42E-09
3301	481863.09, 3847877.25	1.43E-07	2.58E-09	-1.41E-07	6.03E-09	1.09E-10	-5.92E-09	9.03E-09	1.62E-10	-8.86E-09
3302	482363.09, 3847877.25	1.33E-07	2.40E-09	-1.31E-07	5.61E-09	1.01E-10	-5.50E-09	8.39E-09	1.51E-10	-8.24E-09
3303	482863.09, 3847877.25	1.23E-07	2.22E-09	-1.21E-07	5.18E-09	9.33E-11	-5.09E-09	7.76E-09	1.40E-10	-7.62E-09
3304	483363.09, 3847877.25	1.17E-07	2.12E-09	-1.15E-07	4.94E-09	8.90E-11	-4.85E-09	7.40E-09	1.33E-10	-7.27E-09
3305	483863.09, 3847877.25	1.16E-07	2.09E-09	-1.14E-07	4.88E-09	8.79E-11	-4.79E-09	7.31E-09	1.32E-10	-7.18E-09
3306	484363.09, 3847877.25	1.17E-07	2.12E-09	-1.15E-07	4.94E-09	8.90E-11	-4.85E-09	7.40E-09	1.33E-10	-7.27E-09
3307	484863.09, 3847877.25	1.13E-07	2.04E-09	-1.11E-07	4.76E-09	8.57E-11	-4.68E-09	7.13E-09	1.28E-10	-7.00E-09
3308	485363.09, 3847877.25	1.06E-07	1.91E-09	-1.04E-07	4.46E-09	8.03E-11	-4.38E-09	6.68E-09	1.20E-10	-6.56E-09
3309	485863.09, 3847877.25	1.03E-07	1.86E-09	-1.01E-07	4.34E-09	7.81E-11	-4.26E-09	6.50E-09	1.17E-10	-6.38E-09
3310	486363.09, 3847877.25	1.03E-07	1.86E-09	-1.01E-07	4.34E-09	7.81E-11	-4.26E-09	6.50E-09	1.17E-10	-6.38E-09
3311	486863.09, 3847877.25	1.02E-07	1.83E-09	-9.99E-08	4.28E-09	7.70E-11	-4.20E-09	6.41E-09	1.15E-10	-6.29E-09
3312	487363.09, 3847877.25	9.74E-08	1.75E-09	-9.57E-08	4.10E-09	7.38E-11	-4.02E-09	6.14E-09	1.10E-10	-6.03E-09
3313	487863.09, 3847877.25	9.31E-08	1.68E-09	-9.15E-08	3.92E-09	7.05E-11	-3.85E-09	5.87E-09	1.06E-10	-5.76E-09

3314	488363.09, 3847877.25	9.17E-08	1.65E-09	-9.00E-08	3.86E-09	6.95E-11	-3.79E-09	5.78E-09	1.04E-10	-5.67E-09
3315	488863.09, 3847877.25	9.03E-08	1.63E-09	-8.86E-08	3.80E-09	6.84E-11	-3.73E-09	5.69E-09	1.02E-10	-5.58E-09
3316	489363.09, 3847877.25	9.03E-08	1.63E-09	-8.86E-08	3.80E-09	6.84E-11	-3.73E-09	5.69E-09	1.02E-10	-5.58E-09
3317	489863.09, 3847877.25	9.31E-08	1.68E-09	-9.15E-08	3.92E-09	7.05E-11	-3.85E-09	5.87E-09	1.06E-10	-5.76E-09
3318	490363.09, 3847877.25	9.31E-08	1.68E-09	-9.15E-08	3.92E-09	7.05E-11	-3.85E-09	5.87E-09	1.06E-10	-5.76E-09
3319	490863.09, 3847877.25	9.03E-08	1.63E-09	-8.86E-08	3.80E-09	6.84E-11	-3.73E-09	5.69E-09	1.02E-10	-5.58E-09
3320	491363.09, 3847877.25	8.17E-08	1.47E-09	-8.02E-08	3.44E-09	6.19E-11	-3.37E-09	5.14E-09	9.26E-11	-5.05E-09
3321	491863.09, 3847877.25	7.59E-08	1.37E-09	-7.46E-08	3.19E-09	5.75E-11	-3.14E-09	4.78E-09	8.61E-11	-4.70E-09
3322	492363.09, 3847877.25	7.45E-08	1.34E-09	-7.32E-08	3.13E-09	5.64E-11	-3.08E-09	4.69E-09	8.45E-11	-4.61E-09
3323	492863.09, 3847877.25	7.45E-08	1.34E-09	-7.32E-08	3.13E-09	5.64E-11	-3.08E-09	4.69E-09	8.45E-11	-4.61E-09
3324	493363.09, 3847877.25	7.16E-08	1.29E-09	-7.03E-08	3.01E-09	5.43E-11	-2.96E-09	4.51E-09	8.12E-11	-4.43E-09
3325	493863.09, 3847877.25	6.88E-08	1.24E-09	-6.75E-08	2.89E-09	5.21E-11	-2.84E-09	4.33E-09	7.80E-11	-4.25E-09
3326	494363.09, 3847877.25	6.30E-08	1.13E-09	-6.19E-08	2.65E-09	4.77E-11	-2.60E-09	3.97E-09	7.15E-11	-3.90E-09
3327	494863.09, 3847877.25	6.02E-08	1.08E-09	-5.91E-08	2.53E-09	4.56E-11	-2.49E-09	3.79E-09	6.82E-11	-3.72E-09
3328	495363.09, 3847877.25	6.02E-08	1.08E-09	-5.91E-08	2.53E-09	4.56E-11	-2.49E-09	3.79E-09	6.82E-11	-3.72E-09
3329	495863.09, 3847877.25	5.44E-08	9.80E-10	-5.35E-08	2.29E-09	4.12E-11	-2.25E-09	3.43E-09	6.17E-11	-3.37E-09
3330	496363.09, 3847877.25	5.73E-08	1.03E-09	-5.63E-08	2.41E-09	4.34E-11	-2.37E-09	3.61E-09	6.50E-11	-3.55E-09
3331	496863.09, 3847877.25	5.73E-08	1.03E-09	-5.63E-08	2.41E-09	4.34E-11	-2.37E-09	3.61E-09	6.50E-11	-3.55E-09
3332	497363.09, 3847877.25	5.87E-08	1.06E-09	-5.77E-08	2.47E-09	4.45E-11	-2.43E-09	3.70E-09	6.66E-11	-3.63E-09
3333	497863.09, 3847877.25	6.45E-08	1.16E-09	-6.33E-08	2.71E-09	4.88E-11	-2.66E-09	4.06E-09	7.31E-11	-3.99E-09
3334	498363.09, 3847877.25	6.73E-08	1.21E-09	-6.61E-08	2.83E-09	5.10E-11	-2.78E-09	4.24E-09	7.64E-11	-4.17E-09
3335	471363.09, 3848377.25	2.25E-07	4.05E-09	-2.21E-07	9.46E-09	1.70E-10	-9.29E-09	1.42E-08	2.55E-10	-1.39E-08
3336	471863.09, 3848377.25	2.32E-07	4.18E-09	-2.28E-07	9.76E-09	1.76E-10	-9.59E-09	1.46E-08	2.63E-10	-1.44E-08
3337	472363.09, 3848377.25	2.28E-07	4.10E-09	-2.24E-07	9.58E-09	1.73E-10	-9.41E-09	1.44E-08	2.58E-10	-1.41E-08
3338	472863.09, 3848377.25	2.21E-07	3.97E-09	-2.17E-07	9.28E-09	1.67E-10	-9.12E-09	1.39E-08	2.50E-10	-1.36E-08
3339	473363.09, 3848377.25	2.09E-07	3.77E-09	-2.05E-07	8.80E-09	1.58E-10	-8.64E-09	1.32E-08	2.37E-10	-1.29E-08
3340	473863.09, 3848377.25	2.13E-07	3.84E-09	-2.10E-07	8.98E-09	1.62E-10	-8.82E-09	1.34E-08	2.42E-10	-1.32E-08
3341	474363.09, 3848377.25	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
3342	474863.09, 3848377.25	1.79E-07	3.22E-09	-1.76E-07	7.53E-09	1.36E-10	-7.40E-09	1.13E-08	2.03E-10	-1.11E-08
3343	475363.09, 3848377.25	2.19E-07	3.95E-09	-2.15E-07	9.22E-09	1.66E-10	-9.06E-09	1.38E-08	2.49E-10	-1.36E-08
3344	475863.09, 3848377.25	2.11E-07	3.79E-09	-2.07E-07	8.86E-09	1.60E-10	-8.70E-09	1.33E-08	2.39E-10	-1.30E-08
3345	476363.09, 3848377.25	1.95E-07	3.51E-09	-1.91E-07	8.20E-09	1.48E-10	-8.05E-09	1.23E-08	2.21E-10	-1.21E-08
3346	476863.09, 3848377.25	2.35E-07	4.23E-09	-2.31E-07	9.89E-09	1.78E-10	-9.71E-09	1.48E-08	2.66E-10	-1.45E-08
3347	477363.09, 3848377.25	2.19E-07	3.95E-09	-2.15E-07	9.22E-09	1.66E-10	-9.06E-09	1.38E-08	2.49E-10	-1.36E-08
3348	477863.09, 3848377.25	2.15E-07	3.87E-09	-2.11E-07	9.04E-09	1.63E-10	-8.88E-09	1.35E-08	2.44E-10	-1.33E-08
3349	478363.09, 3848377.25	2.03E-07	3.66E-09	-2.00E-07	8.56E-09	1.54E-10	-8.41E-09	1.28E-08	2.31E-10	-1.26E-08
3350	478863.09, 3848377.25	1.85E-07	3.33E-09	-1.81E-07	7.78E-09	1.40E-10	-7.64E-09	1.16E-08	2.10E-10	-1.14E-08
3351	479363.09, 3848377.25	1.60E-07	2.89E-09	-1.58E-07	6.75E-09	1.22E-10	-6.63E-09	1.01E-08	1.82E-10	-9.93E-09
3352	479863.09, 3848377.25	1.17E-07	2.12E-09	-1.15E-07	4.94E-09	8.90E-11	-4.85E-09	7.40E-09	1.33E-10	-7.27E-09
3353	480363.09, 3848377.25	1.33E-07	2.40E-09	-1.31E-07	5.61E-09	1.01E-10	-5.50E-09	8.39E-09	1.51E-10	-8.24E-09
3354	480863.09, 3848377.25	1.55E-07	2.79E-09	-1.52E-07	6.51E-09	1.17E-10	-6.39E-09	9.75E-09	1.75E-10	-9.57E-09
3355	481363.09, 3848377.25	1.60E-07	2.89E-09	-1.58E-07	6.75E-09	1.22E-10	-6.63E-09	1.01E-08	1.82E-10	-9.93E-09
3356	481863.09, 3848377.25	1.60E-07	2.89E-09	-1.58E-07	6.75E-09	1.22E-10	-6.63E-09	1.01E-08	1.82E-10	-9.93E-09
3357	482363.09, 3848377.25	1.55E-07	2.79E-09	-1.52E-07	6.51E-09	1.17E-10	-6.39E-09	9.75E-09	1.75E-10	-9.57E-09
3358	482863.09, 3848377.25	1.39E-07	2.50E-09	-1.36E-07	5.85E-09	1.05E-10	-5.74E-09	8.75E-09	1.58E-10	-8.60E-09
3359	483363.09, 3848377.25	1.30E-07	2.35E-09	-1.28E-07	5.49E-09	9.88E-11	-5.39E-09	8.21E-09	1.48E-10	-8.07E-09
3360	483863.09, 3848377.25	1.23E-07	2.22E-09	-1.21E-07	5.18E-09	9.33E-11	-5.09E-09	7.76E-09	1.40E-10	-7.62E-09
3361	484363.09, 3848377.25	1.23E-07	2.22E-09	-1.21E-07	5.18E-09	9.33E-11	-5.09E-09	7.76E-09	1.40E-10	-7.62E-09
3362	484863.09, 3848377.25	1.26E-07	2.27E-09	-1.24E-07	5.30E-09	9.55E-11	-5.21E-09	7.94E-09	1.43E-10	-7.80E-09
3363	485363.09, 3848377.25	1.19E-07	2.14E-09	-1.17E-07	5.00E-09	9.01E-11	-4.91E-09	7.49E-09	1.35E-10	-7.36E-09
3364	485863.09, 3848377.25	1.12E-07	2.01E-09	-1.10E-07	4.70E-09	8.46E-11	-4.62E-09	7.04E-09	1.27E-10	-6.91E-09
3365	486363.09, 3848377.25	1.09E-07	1.96E-09	-1.07E-07	4.58E-09	8.25E-11	-4.50E-09	6.86E-09	1.23E-10	-6.74E-09
3366	486863.09, 3848377.25	1.07E-07	1.93E-09	-1.06E-07	4.52E-09	8.14E-11	-4.44E-09	6.77E-09	1.22E-10	-6.65E-09
3367	487363.09, 3848377.25	1.05E-07	1.88E-09	-1.03E-07	4.40E-09	7.92E-11	-4.32E-09	6.59E-09	1.19E-10	-6.47E-09
3368	487863.09, 3848377.25	1.00E-07	1.81E-09	-9.85E-08	4.22E-09	7.60E-11	-4.14E-09	6.32E-09	1.14E-10	-6.20E-09
3369	488363.09, 3848377.25	9.89E-08	1.78E-09	-9.71E-08	4.16E-09	7.49E-11	-4.08E-09	6.23E-09	1.12E-10	-6.12E-09
3370	488863.09, 3848377.25	9.74E-08	1.75E-09	-9.57E-08	4.10E-09	7.38E-11	-4.02E-09	6.14E-09	1.10E-10	-6.03E-09
3371	489363.09, 3848377.25	9.74E-08	1.75E-09	-9.57E-08	4.10E-09	7.38E-11	-4.02E-09	6.14E-09	1.10E-10	-6.03E-09
3372	489863.09, 3848377.25	9.89E-08	1.78E-09	-9.71E-08	4.16E-09	7.49E-11	-4.08E-09	6.23E-09	1.12E-10	-6.12E-09
3373	490363.09, 3848377.25	1.00E-07	1.81E-09	-9.85E-08	4.22E-09	7.60E-11	-4.14E-09	6.32E-09	1.14E-10	-6.20E-09
3374	490863.09, 3848377.25	9.74E-08	1.75E-09	-9.57E-08	4.10E-09	7.38E-11	-4.02E-09	6.14E-09	1.10E-10	-6.03E-09
3375	491363.09, 3848377.25	9.03E-08	1.63E-09	-8.86E-08	3.80E-09	6.84E-11	-3.73E-09	5.69E-09	1.02E-10	-5.58E-09
3376	491863.09, 3848377.25	8.31E-08	1.50E-09	-8.16E-08	3.50E-09	6.29E-11	-3.43E-09	5.23E-09	9.42E-11	-5.14E-09
3377	492363.09, 3848377.25	7.74E-08	1.39E-09	-7.60E-08	3.25E-09	5.86E-11	-3.20E-09	4.87E-09	8.77E-11	-4.79E-09
3378	492863.09, 3848377.25	7.45E-08	1.34E-09	-7.32E-08	3.13E-09	5.64E-11	-3.08E-09	4.69E-09	8.45E-11	-4.61E-09
3379	493363.09, 3848377.25	7.31E-08	1.32E-09	-7.18E-08	3.07E-09	5.53E-11	-3.02E-09	4.60E-09	8.29E-11	-4.52E-09
3380	493863.09, 3848377.25	6.88E-08	1.24E-09	-6.75E-08	2.89E-09	5.21E-11	-2.84E-09	4.33E-09	7.80E-11	-4.25E-09
3381	494363.09, 3848377.25	6.30E-08	1.13E-09	-6.19E-08	2.65E-09	4.77E-11	-2.60E-09	3.97E-09	7.15E-11	-3.90E-09
3382	494863.09, 3848377.25	6.02E-08	1.08E-09	-5.91E-08	2.53E-09	4.56E-11	-2.49E-09	3.79E-09	6.82E-11	-3.72E-09
3383	495363.09, 3848377.25	5.73E-08	1.03E-09	-5.63E-08	2.41E-09	4.34E-11	-2.37E-09	3.61E-09	6.50E-11	-3.55E-09
3384	495863.09, 3848377.25	5.73E-08	1.03E-09	-5.63E-08	2.41E-09	4.34E-11	-2.37E-09	3.61E-09	6.50E-11	-3.55E-09
3385	496363.09, 3848377.25	5.73E-08	1.03E-09	-5.63E-08	2.41E-09	4.34E-11	-2.37E-09	3.61E-09	6.50E-11	-3.55E-09
3386	496863.09, 3848377.25	5.59E-08	1.01E-09	-5.49E-08	2.35E-09	4.23E-11	-2.31E-09	3.52E-09	6.34E-11	-3.46E-09
3387	497363.09, 3848377.25	5.87E-08	1.06E-09	-5.77E-08	2.47E-09	4.45E-11	-2.43E-09	3.70E-09	6.66E-11	-3.63E-09
3388	497863.09, 3848377.25	6.88E-08	1.24E-09	-6.75E-08	2.89E-09	5.21E-11	-2.84E-09	4.33E-09	7.80E-11	-4.25E-09
3389	498363.09, 3848377.25	6.88E-08	1.24E-09	-6.75E-08	2.89E-09	5.21E-11	-2.84E-09	4.33E-09	7.80E-11	-4.25E-09
3390	471363.09, 3848877.25	2.19E-07	3.95E-09	-2.15E-07	9.22E-09	1.66E-10	-9.06E-09	1.38E-08	2.49E-10	-1.36E-08
3391	471863.09, 3848877.25	2.36E-07	4.26E-09	-2.32E-07	9.95E-09	1.79E-10	-9.77E-09	1.49E-08	2.68E-10	-1.46E-08
3392	472363.09, 3848877.25	2.46E-07	4.44E-09	-2.42E-07	1.04E-08	1.87E-10	-1.02E-08	1.55E-08	2.79E-10	-1.52E-08
3393	472863.09, 3848877.25	2.52E-07	4.54E-09	-2.48E-07	1.06E-08	1.91E-10	-1.04E-08	1.59E-08	2.86E-10	-1.56E-08
3394	473363.09, 3848877.25	2.54E-07	4.57E-09	-2.49E-07	1.07E-08	1.92E-10	-1.05E-08	1.60E-08	2.88E-10	-1.57E-08
3395	473863.09, 3848877.25	2.36E-07	4.26E-09	-2.32E-07	9.95E-09	1.79E-10	-9.77E-09	1.49E-08	2.68E-10	-1.46E-08
3396	474363.09, 3848877.25	2.36E-07	4.26E-09	-2.32E-07	9.95E-09	1.79E-10	-9.77E-09	1.49E-08	2.68E-10	-1.46E-08
3397	474863.09, 3848877.25	1.99E-07	3.59E-09	-1.96E-07	8.38E-09	1.51E-10	-8.23E-09	1.25E-08	2.26E-10	-1.23E-08
3398	475363.09, 3848877.25	2.03E-07	3.66E-09	-2.00E-07	8.56E-09	1.54E-10	-8.41E-09	1.28E-08	2.31E-10	-1.26E-08
3399	475863.09, 3848877.25	2.36E-07	4.26E-09	-2.32E-07	9.95E-09	1.79E-10	-9.77E-09	1.49E-08	2.68E-10	-1.46E-08
3400	476363.09, 3848877.25	2.41E-07	4.33E-09	-2.36E-07	1.01E-08	1.82E-10	-9.94E-09	1.52E-08	2.73E-10	-1.49E-08
3401	476863.09, 3848877.25	2.25E-07	4.05E-09	-2.21E-07	9.46E-09	1.70E-10	-9.29E-09	1.42E-08	2.55E-10	-1.39E-08
3402	477363.09, 3848877.25	2.78E-07	5.00E-09	-2.73E-07	1.17E-08	2.11E-10	-1.15E-08	1.75E-08	3.15E-10	-1.72E-08
3403	477863.09, 3848877.25	2.48E-07	4.46E-09	-2.43E-07	1.04E-08	1.88E-10	-1.02E-08	1.56E-08	2.81E-10	-1.53E-08
3404	478363.09, 3848877.25	2.39E-07	4.31E-09	-2.35E-07	1.01E-08	1.81E-10	-9.88E-09	1.51E-08	2.71E-10	-1.48E-08
3405	478863.09, 3848877.25	2.09E-07	3.77E-09	-2.05E-07	8.80E-09	1.58E-10	-8.64E-09	1.32E-08	2.37E-10	-1.29E-08
3406	479363.09, 3848877.25	1.86E-07	3.35E-09	-1.83E-07	7.84E-09	1.41E-10	-7.69E-09	1.17E-08	2.11E-10	-1.15E-08
3407	479863.09, 3848877.25	1.69E-07	3.04E-09	-1.66E-07	7.11E-09	1.28E-10	-6.98E-09	1.07E-08	1.92E-10	-1.05E-08
3408	480363.09, 3848877.25	1.76E-07	3.17E-09	-1.73E-07	7.41E-09	1.33E-10	-7.28E-09	1.11E-08	2.00E-10	-1.09E-08
3409	480863.09, 3848877.25	1.83E-07	3.30E-09	-1.80E-07	7.72E-09	1.39E-10	-7.58E-09	1.16E-08	2.08E-10	-1.13E-08
3410	481363.09, 3848877.25	1.88E-07	3.38E-09	-1.84E-07	7.90E-09	1.42E-10	-7.75E-09	1.18E-08	2.13E-10	-1.16E-08
3411	481863.09, 3848877.25	1.76E-07	3.17E-09	-1.73E-07	7.41E-09	1.33E-10	-7.28E-09	1.11E-08	2.00E-10	-1.09E-08
3412	482363.09, 3848877.25	1.62E-07	2.91E-09	-1.59E-07	6.81E-09	1.23E-10	-6.69E-09	1.02E-08	1.84E-10	-1.00E-08
3413	482863.09, 3848877.25	1.49E-07	2.68E-09	-1.46E-07	6.27E-09	1.13E-10	-6.16E-09	9.39E-09	1.69E-10	-9.22E-09
3414	483363.09, 3848877.25	1.35E-07	2.42E-09	-1.32E-07	5.67E-09	1.02E-10	-5.56E-09	8.48E-09	1.53E-10	-8.33E-09
3415	483863.09, 3848877.25	1.26E-07	2.27E-09	-1.24E-07	5.30E-09	9.55E-11	-5.21E-09	7.94E-09	1.43E-10	-7.80E-09
3416	484363.09, 3848877.25	1.30E-07	2.35E-09	-1.28E-07	5.49E-09	9.88E-11	-5.39E-09	8.21E-09	1.48E-10	-8.07E-09
3417	484863.09, 3848877.25	1.36E-07	2.45E-09	-1.34E-07	5.73E-09	1.03E-10	-5.62E-09	8.57E-09	1.54E-10	-8.42E-09
3418	485363.09, 3848877.25	1.33E-07	2.40E-09	-1.31E-07	5.61E-09	1.01E-10	-5.50E-09	8.39E-09	1.51E-10	-8.24E-09
3419	485863.09, 3848877.25	1.25E-07	2.24E-09	-1.22E-07	5.24E-09	9.44E-11	-5.15E-09	7.85E-09	1.41E-10	-7.71E-09
3420	486363.09, 3848877.25	1.16E-07	2.09E-09	-1.14E-07	4.88E-09	8.79E-11	-4.79E-09	7.31E-09	1.32E-10	-7.18E-09

3421	486863.09, 3848877.25	1.13E-07	2.04E-09	-1.11E-07	4.76E-09	8.57E-11	-4.68E-09	7.13E-09	1.28E-10	-7.00E-09
3422	487363.09, 3848877.25	1.13E-07	2.04E-09	-1.11E-07	4.76E-09	8.57E-11	-4.68E-09	7.13E-09	1.28E-10	-7.00E-09
3423	487863.09, 3848877.25	1.09E-07	1.96E-09	-1.07E-07	4.58E-09	8.25E-11	-4.50E-09	6.86E-09	1.23E-10	-6.74E-09
3424	488363.09, 3848877.25	1.06E-07	1.91E-09	-1.04E-07	4.46E-09	8.03E-11	-4.38E-09	6.68E-09	1.20E-10	-6.56E-09
3425	488863.09, 3848877.25	1.05E-07	1.88E-09	-1.03E-07	4.40E-09	7.92E-11	-4.32E-09	6.59E-09	1.19E-10	-6.47E-09
3426	489363.09, 3848877.25	1.03E-07	1.86E-09	-1.01E-07	4.34E-09	7.81E-11	-4.26E-09	6.50E-09	1.17E-10	-6.38E-09
3427	489863.09, 3848877.25	1.03E-07	1.86E-09	-1.01E-07	4.34E-09	7.81E-11	-4.26E-09	6.50E-09	1.17E-10	-6.38E-09
3428	490363.09, 3848877.25	1.05E-07	1.88E-09	-1.03E-07	4.40E-09	7.92E-11	-4.32E-09	6.59E-09	1.19E-10	-6.47E-09
3429	490863.09, 3848877.25	1.03E-07	1.86E-09	-1.01E-07	4.34E-09	7.81E-11	-4.26E-09	6.50E-09	1.17E-10	-6.38E-09
3430	491363.09, 3848877.25	9.74E-08	1.75E-09	-9.57E-08	4.10E-09	7.38E-11	-4.02E-09	6.14E-09	1.10E-10	-6.03E-09
3431	491863.09, 3848877.25	8.74E-08	1.57E-09	-8.58E-08	3.68E-09	6.62E-11	-3.61E-09	5.51E-09	9.91E-11	-5.41E-09
3432	492363.09, 3848877.25	8.02E-08	1.44E-09	-7.88E-08	3.38E-09	6.08E-11	-3.31E-09	5.05E-09	9.10E-11	-4.96E-09
3433	492863.09, 3848877.25	7.45E-08	1.34E-09	-7.32E-08	3.13E-09	5.64E-11	-3.08E-09	4.69E-09	8.45E-11	-4.61E-09
3434	493363.09, 3848877.25	7.02E-08	1.26E-09	-6.89E-08	2.95E-09	5.32E-11	-2.90E-09	4.42E-09	7.96E-11	-4.34E-09
3435	493863.09, 3848877.25	6.88E-08	1.24E-09	-6.75E-08	2.89E-09	5.21E-11	-2.84E-09	4.33E-09	7.80E-11	-4.25E-09
3436	494363.09, 3848877.25	6.45E-08	1.16E-09	-6.33E-08	2.71E-09	4.88E-11	-2.66E-09	4.06E-09	7.31E-11	-3.99E-09
3437	494863.09, 3848877.25	6.16E-08	1.11E-09	-6.05E-08	2.59E-09	4.67E-11	-2.55E-09	3.88E-09	6.99E-11	-3.81E-09
3438	495363.09, 3848877.25	6.16E-08	1.11E-09	-6.05E-08	2.59E-09	4.67E-11	-2.55E-09	3.88E-09	6.99E-11	-3.81E-09
3439	495863.09, 3848877.25	5.87E-08	1.06E-09	-5.77E-08	2.47E-09	4.45E-11	-2.43E-09	3.70E-09	6.66E-11	-3.63E-09
3440	496363.09, 3848877.25	5.73E-08	1.03E-09	-5.63E-08	2.41E-09	4.34E-11	-2.37E-09	3.61E-09	6.50E-11	-3.55E-09
3441	496863.09, 3848877.25	6.02E-08	1.08E-09	-5.91E-08	2.53E-09	4.56E-11	-2.49E-09	3.79E-09	6.82E-11	-3.72E-09
3442	497363.09, 3848877.25	6.59E-08	1.19E-09	-6.47E-08	2.77E-09	4.99E-11	-2.72E-09	4.15E-09	7.47E-11	-4.08E-09
3443	497863.09, 3848877.25	7.02E-08	1.26E-09	-6.89E-08	2.95E-09	5.32E-11	-2.90E-09	4.42E-09	7.96E-11	-4.34E-09
3444	498363.09, 3848877.25	7.16E-08	1.29E-09	-7.03E-08	3.01E-09	5.43E-11	-2.96E-09	4.51E-09	8.12E-11	-4.43E-09
3445	471363.09, 3849377.25	1.85E-07	3.33E-09	-1.81E-07	7.78E-09	1.40E-10	-7.64E-09	1.16E-08	2.10E-10	-1.14E-08
3446	471863.09, 3849377.25	2.24E-07	4.02E-09	-2.19E-07	9.40E-09	1.69E-10	-9.23E-09	1.41E-08	2.53E-10	-1.38E-08
3447	472363.09, 3849377.25	2.45E-07	4.41E-09	-2.41E-07	1.03E-08	1.86E-10	-1.01E-08	1.54E-08	2.78E-10	-1.52E-08
3448	472863.09, 3849377.25	2.61E-07	4.69E-09	-2.56E-07	1.10E-08	1.98E-10	-1.08E-08	1.64E-08	2.96E-10	-1.61E-08
3449	473363.09, 3849377.25	2.71E-07	4.88E-09	-2.66E-07	1.14E-08	2.05E-10	-1.12E-08	1.71E-08	3.07E-10	-1.68E-08
3450	473863.09, 3849377.25	2.78E-07	5.00E-09	-2.73E-07	1.17E-08	2.11E-10	-1.15E-08	1.75E-08	3.15E-10	-1.72E-08
3451	474363.09, 3849377.25	2.71E-07	4.88E-09	-2.66E-07	1.14E-08	2.05E-10	-1.12E-08	1.71E-08	3.07E-10	-1.68E-08
3452	474863.09, 3849377.25	2.55E-07	4.59E-09	-2.50E-07	1.07E-08	1.93E-10	-1.05E-08	1.61E-08	2.89E-10	-1.58E-08
3453	475363.09, 3849377.25	2.45E-07	4.41E-09	-2.41E-07	1.03E-08	1.86E-10	-1.01E-08	1.54E-08	2.78E-10	-1.52E-08
3454	475863.09, 3849377.25	2.69E-07	4.85E-09	-2.65E-07	1.13E-08	2.04E-10	-1.11E-08	1.70E-08	3.05E-10	-1.67E-08
3455	476363.09, 3849377.25	2.91E-07	5.24E-09	-2.86E-07	1.22E-08	2.20E-10	-1.20E-08	1.83E-08	3.30E-10	-1.80E-08
3456	476863.09, 3849377.25	2.99E-07	5.39E-09	-2.94E-07	1.26E-08	2.27E-10	-1.24E-08	1.89E-08	3.40E-10	-1.85E-08
3457	477363.09, 3849377.25	2.98E-07	5.37E-09	-2.93E-07	1.25E-08	2.26E-10	-1.23E-08	1.88E-08	3.38E-10	-1.84E-08
3458	477863.09, 3849377.25	2.91E-07	5.24E-09	-2.86E-07	1.22E-08	2.20E-10	-1.20E-08	1.83E-08	3.30E-10	-1.80E-08
3459	478363.09, 3849377.25	2.79E-07	5.03E-09	-2.74E-07	1.18E-08	2.12E-10	-1.15E-08	1.76E-08	3.17E-10	-1.73E-08
3460	478863.09, 3849377.25	2.38E-07	4.28E-09	-2.34E-07	1.00E-08	1.80E-10	-9.83E-09	1.50E-08	2.70E-10	-1.47E-08
3461	479363.09, 3849377.25	2.22E-07	4.00E-09	-2.18E-07	9.34E-09	1.68E-10	-9.17E-09	1.40E-08	2.52E-10	-1.37E-08
3462	479863.09, 3849377.25	1.93E-07	3.48E-09	-1.90E-07	8.14E-09	1.46E-10	-7.99E-09	1.22E-08	2.19E-10	-1.20E-08
3463	480363.09, 3849377.25	2.15E-07	3.87E-09	-2.11E-07	9.04E-09	1.63E-10	-8.88E-09	1.35E-08	2.44E-10	-1.33E-08
3464	480863.09, 3849377.25	2.11E-07	3.79E-09	-2.07E-07	8.86E-09	1.60E-10	-8.70E-09	1.33E-08	2.39E-10	-1.30E-08
3465	481363.09, 3849377.25	1.96E-07	3.53E-09	-1.93E-07	8.26E-09	1.49E-10	-8.11E-09	1.24E-08	2.23E-10	-1.21E-08
3466	481863.09, 3849377.25	1.70E-07	3.07E-09	-1.67E-07	7.17E-09	1.29E-10	-7.04E-09	1.07E-08	1.93E-10	-1.05E-08
3467	482363.09, 3849377.25	1.66E-07	2.99E-09	-1.63E-07	6.99E-09	1.26E-10	-6.87E-09	1.05E-08	1.88E-10	-1.03E-08
3468	482863.09, 3849377.25	1.56E-07	2.81E-09	-1.53E-07	6.57E-09	1.18E-10	-6.45E-09	9.84E-09	1.77E-10	-9.66E-09
3469	483363.09, 3849377.25	1.46E-07	2.63E-09	-1.44E-07	6.15E-09	1.11E-10	-6.04E-09	9.21E-09	1.66E-10	-9.04E-09
3470	483863.09, 3849377.25	1.32E-07	2.37E-09	-1.29E-07	5.55E-09	9.98E-11	-5.45E-09	8.30E-09	1.49E-10	-8.15E-09
3471	484363.09, 3849377.25	1.39E-07	2.50E-09	-1.36E-07	5.85E-09	1.05E-10	-5.74E-09	8.75E-09	1.58E-10	-8.60E-09
3472	484863.09, 3849377.25	1.46E-07	2.63E-09	-1.44E-07	6.15E-09	1.11E-10	-6.04E-09	9.21E-09	1.66E-10	-9.04E-09
3473	485363.09, 3849377.25	1.46E-07	2.63E-09	-1.44E-07	6.15E-09	1.11E-10	-6.04E-09	9.21E-09	1.66E-10	-9.04E-09
3474	485863.09, 3849377.25	1.32E-07	2.37E-09	-1.29E-07	5.55E-09	9.98E-11	-5.45E-09	8.30E-09	1.49E-10	-8.15E-09
3475	486363.09, 3849377.25	1.19E-07	2.14E-09	-1.17E-07	5.00E-09	9.01E-11	-4.91E-09	7.49E-09	1.35E-10	-7.36E-09
3476	486863.09, 3849377.25	1.19E-07	2.14E-09	-1.17E-07	5.00E-09	9.01E-11	-4.91E-09	7.49E-09	1.35E-10	-7.36E-09
3477	487363.09, 3849377.25	1.19E-07	2.14E-09	-1.17E-07	5.00E-09	9.01E-11	-4.91E-09	7.49E-09	1.35E-10	-7.36E-09
3478	487863.09, 3849377.25	1.19E-07	2.14E-09	-1.17E-07	5.00E-09	9.01E-11	-4.91E-09	7.49E-09	1.35E-10	-7.36E-09
3479	488363.09, 3849377.25	1.16E-07	2.09E-09	-1.14E-07	4.88E-09	8.79E-11	-4.79E-09	7.31E-09	1.32E-10	-7.18E-09
3480	488863.09, 3849377.25	1.13E-07	2.04E-09	-1.11E-07	4.76E-09	8.57E-11	-4.68E-09	7.13E-09	1.28E-10	-7.00E-09
3481	489363.09, 3849377.25	1.10E-07	1.99E-09	-1.08E-07	4.64E-09	8.36E-11	-4.56E-09	6.95E-09	1.25E-10	-6.82E-09
3482	489863.09, 3849377.25	1.09E-07	1.96E-09	-1.07E-07	4.58E-09	8.25E-11	-4.50E-09	6.86E-09	1.23E-10	-6.74E-09
3483	490363.09, 3849377.25	1.09E-07	1.96E-09	-1.07E-07	4.58E-09	8.25E-11	-4.50E-09	6.86E-09	1.23E-10	-6.74E-09
3484	490863.09, 3849377.25	1.09E-07	1.96E-09	-1.07E-07	4.58E-09	8.25E-11	-4.50E-09	6.86E-09	1.23E-10	-6.74E-09
3485	491363.09, 3849377.25	1.06E-07	1.91E-09	-1.04E-07	4.46E-09	8.03E-11	-4.38E-09	6.68E-09	1.20E-10	-6.56E-09
3486	491863.09, 3849377.25	9.46E-08	1.70E-09	-9.29E-08	3.98E-09	7.16E-11	-3.91E-09	5.96E-09	1.07E-10	-5.85E-09
3487	492363.09, 3849377.25	8.60E-08	1.55E-09	-8.44E-08	3.62E-09	6.51E-11	-3.55E-09	5.42E-09	9.75E-11	-5.32E-09
3488	492863.09, 3849377.25	7.88E-08	1.42E-09	-7.74E-08	3.32E-09	5.97E-11	-3.26E-09	4.96E-09	8.94E-11	-4.87E-09
3489	493363.09, 3849377.25	7.45E-08	1.34E-09	-7.32E-08	3.13E-09	5.64E-11	-3.08E-09	4.69E-09	8.45E-11	-4.61E-09
3490	493863.09, 3849377.25	7.16E-08	1.29E-09	-7.03E-08	3.01E-09	5.43E-11	-2.96E-09	4.51E-09	8.12E-11	-4.43E-09
3491	494363.09, 3849377.25	6.88E-08	1.24E-09	-6.75E-08	2.89E-09	5.21E-11	-2.84E-09	4.33E-09	7.80E-11	-4.25E-09
3492	494863.09, 3849377.25	7.02E-08	1.26E-09	-6.89E-08	2.95E-09	5.32E-11	-2.90E-09	4.42E-09	7.96E-11	-4.34E-09
3493	495363.09, 3849377.25	7.02E-08	1.26E-09	-6.89E-08	2.95E-09	5.32E-11	-2.90E-09	4.42E-09	7.96E-11	-4.34E-09
3494	495863.09, 3849377.25	6.02E-08	1.08E-09	-5.91E-08	2.53E-09	4.56E-11	-2.49E-09	3.79E-09	6.82E-11	-3.72E-09
3495	496363.09, 3849377.25	5.87E-08	1.06E-09	-5.77E-08	2.47E-09	4.45E-11	-2.43E-09	3.70E-09	6.66E-11	-3.63E-09
3496	496863.09, 3849377.25	6.59E-08	1.19E-09	-6.47E-08	2.77E-09	4.99E-11	-2.72E-09	4.15E-09	7.47E-11	-4.08E-09
3497	497363.09, 3849377.25	6.88E-08	1.24E-09	-6.75E-08	2.89E-09	5.21E-11	-2.84E-09	4.33E-09	7.80E-11	-4.25E-09
3498	497863.09, 3849377.25	7.74E-08	1.39E-09	-7.60E-08	3.25E-09	5.86E-11	-3.20E-09	4.87E-09	8.77E-11	-4.79E-09
3499	498363.09, 3849377.25	7.45E-08	1.34E-09	-7.32E-08	3.13E-09	5.64E-11	-3.08E-09	4.69E-09	8.45E-11	-4.61E-09
3500	471363.09, 3849877.25	1.49E-07	2.68E-09	-1.46E-07	6.27E-09	1.13E-10	-6.16E-09	9.39E-09	1.69E-10	-9.22E-09
3501	471863.09, 3849877.25	1.81E-07	3.25E-09	-1.77E-07	7.59E-09	1.37E-10	-7.46E-09	1.14E-08	2.05E-10	-1.12E-08
3502	472363.09, 3849877.25	2.19E-07	3.95E-09	-2.15E-07	9.22E-09	1.66E-10	-9.06E-09	1.38E-08	2.49E-10	-1.36E-08
3503	472863.09, 3849877.25	2.52E-07	4.54E-09	-2.48E-07	1.06E-08	1.91E-10	-1.04E-08	1.59E-08	2.86E-10	-1.56E-08
3504	473363.09, 3849877.25	2.68E-07	4.82E-09	-2.63E-07	1.13E-08	2.03E-10	-1.11E-08	1.69E-08	3.04E-10	-1.66E-08
3505	473863.09, 3849877.25	2.87E-07	5.16E-09	-2.81E-07	1.21E-08	2.17E-10	-1.18E-08	1.81E-08	3.25E-10	-1.77E-08
3506	474363.09, 3849877.25	3.02E-07	5.44E-09	-2.97E-07	1.27E-08	2.29E-10	-1.25E-08	1.90E-08	3.43E-10	-1.87E-08
3507	474863.09, 3849877.25	3.07E-07	5.52E-09	-3.01E-07	1.29E-08	2.32E-10	-1.27E-08	1.93E-08	3.48E-10	-1.90E-08
3508	475363.09, 3849877.25	2.85E-07	5.13E-09	-2.80E-07	1.20E-08	2.16E-10	-1.18E-08	1.80E-08	3.23E-10	-1.76E-08
3509	475863.09, 3849877.25	2.75E-07	4.95E-09	-2.70E-07	1.16E-08	2.08E-10	-1.14E-08	1.73E-08	3.12E-10	-1.70E-08
3510	476363.09, 3849877.25	2.84E-07	5.11E-09	-2.79E-07	1.19E-08	2.15E-10	-1.17E-08	1.79E-08	3.22E-10	-1.75E-08
3511	476863.09, 3849877.25	3.15E-07	5.67E-09	-3.10E-07	1.33E-08	2.39E-10	-1.30E-08	1.99E-08	3.57E-10	-1.95E-08
3512	477363.09, 3849877.25	3.52E-07	6.35E-09	-3.46E-07	1.48E-08	2.67E-10	-1.46E-08	2.22E-08	4.00E-10	-2.18E-08
3513	477863.09, 3849877.25	3.54E-07	6.37E-09	-3.48E-07	1.49E-08	2.68E-10	-1.46E-08	2.23E-08	4.01E-10	-2.19E-08
3514	478363.09, 3849877.25	3.45E-07	6.22E-09	-3.39E-07	1.45E-08	2.62E-10	-1.43E-08	2.18E-08	3.92E-10	-2.14E-08
3515	478863.09, 3849877.25	3.37E-07	6.06E-09	-3.31E-07	1.42E-08	2.55E-10	-1.39E-08	2.12E-08	3.82E-10	-2.08E-08
3516	479363.09, 3849877.25	2.82E-07	5.08E-09	-2.77E-07	1.19E-08	2.14E-10	-1.17E-08	1.78E-08	3.20E-10	-1.75E-08
3517	479863.09, 3849877.25	2.71E-07	4.88E-09	-2.66E-07	1.14E-08	2.05E-10	-1.12E-08	1.71E-08	3.07E-10	-1.68E-08
3518	480363.09, 3849877.25	2.38E-07	4.28E-09	-2.34E-07	1.00E-08	1.80E-10	-9.83E-09	1.50E-08	2.70E-10	-1.47E-08
3519	480863.09, 3849877.25	2.12E-07	3.82E-09	-2.08E-07	8.92E-09	1.61E-10	-8.76E-09	1.34E-08	2.40E-10	-1.31E-08
3520	481363.09, 3849877.25	2.03E-07	3.66E-09	-2.00E-07	8.56E-09	1.54E-10	-8.41E-09	1.28E-08	2.31E-10	-1.26E-08
3521	481863.09, 3849877.25	1.69E-07	3.04E-09	-1.66E-07	7.11E-09	1.28E-10	-6.98E-09	1.07E-08	1.92E-10	-1.05E-08
3522	482363.09, 3849877.25	1.62E-07	2.91E-09	-1.59E-07	6.81E-09	1.23E-10	-6.69E-09	1.02E-08	1.84E-10	-1.00E-08
3523	482863.09, 3849877.25	1.60E-07	2.89E-09	-1.58E-07	6.75E-09	1.22E-10	-6.63E-09	1.01E-08	1.82E-10	-9.93E-09
3524	483363.09, 3849877.25	1.55E-07	2.79E-09	-1.52E-07	6.51E-09	1.17E-10	-6.39E-09	9.75E-09	1.75E-10	-9.57E-09
3525	483863.09, 3849877.25	1.50E-07	2.71E-09	-1.48E-07	6.33E-09	1.14E-10	-6.22E-09	9.48E-09	1.71E-10	-9.31E-09
3526	484363.09, 3849877.25	1.55E-07	2.79E-09	-1.52E-07	6.51E-09	1.17E-10	-6.39E-09	9.75E-09	1.75E-10	-9.57E-09
3527	484863.09, 3849877.25	1.65E-07	2.97E-09	-1.62E-07	6.93E-09	1.25E-10	-6.81E-09	1.04E-08	1.87E-10	-1.02E-08

3528	485363.09, 3849877.25	1.56E-07	2.81E-09	-1.53E-07	6.57E-09	1.18E-10	-6.45E-09	9.84E-09	1.77E-10	-9.66E-09
3529	485863.09, 3849877.25	1.48E-07	2.66E-09	-1.45E-07	6.21E-09	1.12E-10	-6.10E-09	9.30E-09	1.67E-10	-9.13E-09
3530	486363.09, 3849877.25	1.39E-07	2.50E-09	-1.36E-07	5.85E-09	1.05E-10	-5.74E-09	8.75E-09	1.58E-10	-8.60E-09
3531	486863.09, 3849877.25	1.33E-07	2.40E-09	-1.31E-07	5.61E-09	1.01E-10	-5.50E-09	8.39E-09	1.51E-10	-8.24E-09
3532	487363.09, 3849877.25	1.28E-07	2.30E-09	-1.25E-07	5.36E-09	9.66E-11	-5.27E-09	8.03E-09	1.45E-10	-7.89E-09
3533	487863.09, 3849877.25	1.28E-07	2.30E-09	-1.25E-07	5.36E-09	9.66E-11	-5.27E-09	8.03E-09	1.45E-10	-7.89E-09
3534	488363.09, 3849877.25	1.26E-07	2.27E-09	-1.24E-07	5.30E-09	9.55E-11	-5.21E-09	7.94E-09	1.43E-10	-7.80E-09
3535	488863.09, 3849877.25	1.23E-07	2.22E-09	-1.21E-07	5.18E-09	9.33E-11	-5.09E-09	7.76E-09	1.40E-10	-7.62E-09
3536	489363.09, 3849877.25	1.19E-07	2.14E-09	-1.17E-07	5.00E-09	9.01E-11	-4.91E-09	7.49E-09	1.35E-10	-7.36E-09
3537	489863.09, 3849877.25	1.16E-07	2.09E-09	-1.14E-07	4.88E-09	8.79E-11	-4.79E-09	7.31E-09	1.32E-10	-7.18E-09
3538	490363.09, 3849877.25	1.15E-07	2.06E-09	-1.13E-07	4.82E-09	8.68E-11	-4.74E-09	7.22E-09	1.30E-10	-7.09E-09
3539	490863.09, 3849877.25	1.16E-07	2.09E-09	-1.14E-07	4.88E-09	8.79E-11	-4.79E-09	7.31E-09	1.32E-10	-7.18E-09
3540	491363.09, 3849877.25	1.15E-07	2.06E-09	-1.13E-07	4.82E-09	8.68E-11	-4.74E-09	7.22E-09	1.30E-10	-7.09E-09
3541	491863.09, 3849877.25	1.03E-07	1.86E-09	-1.01E-07	4.34E-09	7.81E-11	-4.26E-09	6.50E-09	1.17E-10	-6.38E-09
3542	492363.09, 3849877.25	9.31E-08	1.68E-09	-9.15E-08	3.92E-09	7.05E-11	-3.85E-09	5.87E-09	1.06E-10	-5.76E-09
3543	492863.09, 3849877.25	8.60E-08	1.55E-09	-8.44E-08	3.62E-09	6.51E-11	-3.55E-09	5.42E-09	9.75E-11	-5.32E-09
3544	493363.09, 3849877.25	8.17E-08	1.47E-09	-8.02E-08	3.44E-09	6.19E-11	-3.37E-09	5.14E-09	9.26E-11	-5.05E-09
3545	493863.09, 3849877.25	7.59E-08	1.37E-09	-7.46E-08	3.19E-09	5.75E-11	-3.14E-09	4.78E-09	8.61E-11	-4.70E-09
3546	494363.09, 3849877.25	8.17E-08	1.47E-09	-8.02E-08	3.44E-09	6.19E-11	-3.37E-09	5.14E-09	9.26E-11	-5.05E-09
3547	494863.09, 3849877.25	8.02E-08	1.44E-09	-7.88E-08	3.38E-09	6.08E-11	-3.31E-09	5.05E-09	9.10E-11	-4.96E-09
3548	495363.09, 3849877.25	7.31E-08	1.32E-09	-7.18E-08	3.07E-09	5.53E-11	-3.02E-09	4.60E-09	8.29E-11	-4.52E-09
3549	495863.09, 3849877.25	7.59E-08	1.37E-09	-7.46E-08	3.19E-09	5.75E-11	-3.14E-09	4.78E-09	8.61E-11	-4.70E-09
3550	496363.09, 3849877.25	7.59E-08	1.37E-09	-7.46E-08	3.19E-09	5.75E-11	-3.14E-09	4.78E-09	8.61E-11	-4.70E-09
3551	496863.09, 3849877.25	7.31E-08	1.32E-09	-7.18E-08	3.07E-09	5.53E-11	-3.02E-09	4.60E-09	8.29E-11	-4.52E-09
3552	497363.09, 3849877.25	7.88E-08	1.42E-09	-7.74E-08	3.32E-09	5.97E-11	-3.26E-09	4.96E-09	8.94E-11	-4.87E-09
3553	497863.09, 3849877.25	8.17E-08	1.47E-09	-8.02E-08	3.44E-09	6.19E-11	-3.37E-09	5.14E-09	9.26E-11	-5.05E-09
3554	498363.09, 3849877.25	7.88E-08	1.42E-09	-7.74E-08	3.32E-09	5.97E-11	-3.26E-09	4.96E-09	8.94E-11	-4.87E-09
3555	471363.09, 3850377.25	1.30E-07	2.35E-09	-1.28E-07	5.49E-09	9.88E-11	-5.39E-09	8.21E-09	1.48E-10	-8.07E-09
3556	471863.09, 3850377.25	1.53E-07	2.76E-09	-1.51E-07	6.45E-09	1.16E-10	-6.33E-09	9.66E-09	1.74E-10	-9.48E-09
3557	472363.09, 3850377.25	1.69E-07	3.04E-09	-1.66E-07	7.11E-09	1.28E-10	-6.98E-09	1.07E-08	1.92E-10	-1.05E-08
3558	472863.09, 3850377.25	2.13E-07	3.84E-09	-2.10E-07	8.98E-09	1.62E-10	-8.82E-09	1.34E-08	2.42E-10	-1.32E-08
3559	473363.09, 3850377.25	2.31E-07	4.15E-09	-2.27E-07	9.70E-09	1.75E-10	-9.53E-09	1.45E-08	2.62E-10	-1.43E-08
3560	473863.09, 3850377.25	2.65E-07	4.77E-09	-2.60E-07	1.12E-08	2.01E-10	-1.10E-08	1.67E-08	3.01E-10	-1.64E-08
3561	474363.09, 3850377.25	2.95E-07	5.31E-09	-2.90E-07	1.24E-08	2.24E-10	-1.22E-08	1.86E-08	3.35E-10	-1.83E-08
3562	474863.09, 3850377.25	3.18E-07	5.73E-09	-3.12E-07	1.34E-08	2.41E-10	-1.31E-08	2.00E-08	3.61E-10	-1.97E-08
3563	475363.09, 3850377.25	3.37E-07	6.06E-09	-3.31E-07	1.42E-08	2.55E-10	-1.39E-08	2.12E-08	3.82E-10	-2.08E-08
3564	475863.09, 3850377.25	3.32E-07	5.98E-09	-3.26E-07	1.40E-08	2.52E-10	-1.37E-08	2.09E-08	3.77E-10	-2.06E-08
3565	476363.09, 3850377.25	3.09E-07	5.57E-09	-3.04E-07	1.30E-08	2.34E-10	-1.28E-08	1.95E-08	3.51E-10	-1.91E-08
3566	476863.09, 3850377.25	3.04E-07	5.47E-09	-2.98E-07	1.28E-08	2.30E-10	-1.25E-08	1.91E-08	3.44E-10	-1.88E-08
3567	477363.09, 3850377.25	3.32E-07	5.98E-09	-3.26E-07	1.40E-08	2.52E-10	-1.37E-08	2.09E-08	3.77E-10	-2.06E-08
3568	477863.09, 3850377.25	3.60E-07	6.47E-09	-3.53E-07	1.51E-08	2.72E-10	-1.49E-08	2.27E-08	4.08E-10	-2.22E-08
3569	478363.09, 3850377.25	3.67E-07	6.60E-09	-3.60E-07	1.54E-08	2.78E-10	-1.52E-08	2.31E-08	4.16E-10	-2.27E-08
3570	478863.09, 3850377.25	4.18E-07	7.53E-09	-4.11E-07	1.76E-08	3.17E-10	-1.73E-08	2.64E-08	4.74E-10	-2.59E-08
3571	479363.09, 3850377.25	4.17E-07	7.51E-09	-4.09E-07	1.75E-08	3.16E-10	-1.72E-08	2.63E-08	4.73E-10	-2.58E-08
3572	479863.09, 3850377.25	3.38E-07	6.09E-09	-3.32E-07	1.42E-08	2.56E-10	-1.40E-08	2.13E-08	3.83E-10	-2.09E-08
3573	480363.09, 3850377.25	3.01E-07	5.42E-09	-2.95E-07	1.27E-08	2.28E-10	-1.24E-08	1.90E-08	3.41E-10	-1.86E-08
3574	480863.09, 3850377.25	3.02E-07	5.44E-09	-2.97E-07	1.27E-08	2.29E-10	-1.25E-08	1.90E-08	3.43E-10	-1.87E-08
3575	481363.09, 3850377.25	2.18E-07	3.92E-09	-2.14E-07	9.16E-09	1.65E-10	-9.00E-09	1.37E-08	2.47E-10	-1.35E-08
3576	481863.09, 3850377.25	2.15E-07	3.87E-09	-2.11E-07	9.04E-09	1.63E-10	-8.88E-09	1.35E-08	2.44E-10	-1.33E-08
3577	482363.09, 3850377.25	2.09E-07	3.77E-09	-2.05E-07	8.80E-09	1.58E-10	-8.64E-09	1.32E-08	2.37E-10	-1.29E-08
3578	482863.09, 3850377.25	1.81E-07	3.25E-09	-1.77E-07	7.59E-09	1.37E-10	-7.46E-09	1.14E-08	2.05E-10	-1.12E-08
3579	483363.09, 3850377.25	1.73E-07	3.12E-09	-1.70E-07	7.29E-09	1.31E-10	-7.16E-09	1.09E-08	1.97E-10	-1.07E-08
3580	483863.09, 3850377.25	1.81E-07	3.25E-09	-1.77E-07	7.59E-09	1.37E-10	-7.46E-09	1.14E-08	2.05E-10	-1.12E-08
3581	484363.09, 3850377.25	1.85E-07	3.33E-09	-1.81E-07	7.78E-09	1.40E-10	-7.64E-09	1.16E-08	2.10E-10	-1.14E-08
3582	484863.09, 3850377.25	1.88E-07	3.38E-09	-1.84E-07	7.90E-09	1.42E-10	-7.75E-09	1.18E-08	2.13E-10	-1.16E-08
3583	485363.09, 3850377.25	1.76E-07	3.17E-09	-1.73E-07	7.41E-09	1.33E-10	-7.28E-09	1.11E-08	2.00E-10	-1.09E-08
3584	485863.09, 3850377.25	1.65E-07	2.97E-09	-1.62E-07	6.93E-09	1.25E-10	-6.81E-09	1.04E-08	1.87E-10	-1.02E-08
3585	486363.09, 3850377.25	1.63E-07	2.94E-09	-1.60E-07	6.87E-09	1.24E-10	-6.75E-09	1.03E-08	1.85E-10	-1.01E-08
3586	486863.09, 3850377.25	1.55E-07	2.79E-09	-1.52E-07	6.51E-09	1.17E-10	-6.39E-09	9.75E-09	1.75E-10	-9.57E-09
3587	487363.09, 3850377.25	1.40E-07	2.53E-09	-1.38E-07	5.91E-09	1.06E-10	-5.80E-09	8.85E-09	1.59E-10	-8.69E-09
3588	487863.09, 3850377.25	1.36E-07	2.45E-09	-1.34E-07	5.73E-09	1.03E-10	-5.62E-09	8.57E-09	1.54E-10	-8.42E-09
3589	488363.09, 3850377.25	1.36E-07	2.45E-09	-1.34E-07	5.73E-09	1.03E-10	-5.62E-09	8.57E-09	1.54E-10	-8.42E-09
3590	488863.09, 3850377.25	1.35E-07	2.42E-09	-1.32E-07	5.67E-09	1.02E-10	-5.56E-09	8.48E-09	1.53E-10	-8.33E-09
3591	489363.09, 3850377.25	1.29E-07	2.32E-09	-1.27E-07	5.42E-09	9.77E-11	-5.33E-09	8.12E-09	1.46E-10	-7.98E-09
3592	489863.09, 3850377.25	1.25E-07	2.24E-09	-1.22E-07	5.24E-09	9.44E-11	-5.15E-09	7.85E-09	1.41E-10	-7.71E-09
3593	490363.09, 3850377.25	1.22E-07	2.19E-09	-1.20E-07	5.12E-09	9.22E-11	-5.03E-09	7.67E-09	1.38E-10	-7.53E-09
3594	490863.09, 3850377.25	1.23E-07	2.22E-09	-1.21E-07	5.18E-09	9.33E-11	-5.09E-09	7.76E-09	1.40E-10	-7.62E-09
3595	491363.09, 3850377.25	1.23E-07	2.22E-09	-1.21E-07	5.18E-09	9.33E-11	-5.09E-09	7.76E-09	1.40E-10	-7.62E-09
3596	491863.09, 3850377.25	1.13E-07	2.04E-09	-1.11E-07	4.76E-09	8.57E-11	-4.68E-09	7.13E-09	1.28E-10	-7.00E-09
3597	492363.09, 3850377.25	1.00E-07	1.81E-09	-9.85E-08	4.22E-09	7.60E-11	-4.14E-09	6.32E-09	1.14E-10	-6.20E-09
3598	492863.09, 3850377.25	9.31E-08	1.68E-09	-9.15E-08	3.92E-09	7.05E-11	-3.85E-09	5.87E-09	1.06E-10	-5.76E-09
3599	493363.09, 3850377.25	8.88E-08	1.60E-09	-8.72E-08	3.74E-09	6.73E-11	-3.67E-09	5.60E-09	1.01E-10	-5.50E-09
3600	493863.09, 3850377.25	9.17E-08	1.65E-09	-9.00E-08	3.86E-09	6.95E-11	-3.79E-09	5.78E-09	1.04E-10	-5.67E-09
3601	494363.09, 3850377.25	8.88E-08	1.60E-09	-8.72E-08	3.74E-09	6.73E-11	-3.67E-09	5.60E-09	1.01E-10	-5.50E-09
3602	494863.09, 3850377.25	8.74E-08	1.57E-09	-8.58E-08	3.68E-09	6.62E-11	-3.61E-09	5.51E-09	9.91E-11	-5.41E-09
3603	495363.09, 3850377.25	8.74E-08	1.57E-09	-8.58E-08	3.68E-09	6.62E-11	-3.61E-09	5.51E-09	9.91E-11	-5.41E-09
3604	495863.09, 3850377.25	8.45E-08	1.52E-09	-8.30E-08	3.56E-09	6.40E-11	-3.49E-09	5.33E-09	9.59E-11	-5.23E-09
3605	496363.09, 3850377.25	8.45E-08	1.52E-09	-8.30E-08	3.56E-09	6.40E-11	-3.49E-09	5.33E-09	9.59E-11	-5.23E-09
3606	496863.09, 3850377.25	8.45E-08	1.52E-09	-8.30E-08	3.56E-09	6.40E-11	-3.49E-09	5.33E-09	9.59E-11	-5.23E-09
3607	497363.09, 3850377.25	8.45E-08	1.52E-09	-8.30E-08	3.56E-09	6.40E-11	-3.49E-09	5.33E-09	9.59E-11	-5.23E-09
3608	497863.09, 3850377.25	8.60E-08	1.55E-09	-8.44E-08	3.62E-09	6.51E-11	-3.55E-09	5.42E-09	9.75E-11	-5.32E-09
3609	498363.09, 3850377.25	8.31E-08	1.50E-09	-8.16E-08	3.50E-09	6.29E-11	-3.43E-09	5.23E-09	9.42E-11	-5.14E-09
3610	471363.09, 3850877.25	1.46E-07	2.63E-09	-1.44E-07	6.15E-09	1.11E-10	-6.04E-09	9.21E-09	1.66E-10	-9.04E-09
3611	471863.09, 3850877.25	1.53E-07	2.76E-09	-1.51E-07	6.45E-09	1.16E-10	-6.33E-09	9.66E-09	1.74E-10	-9.48E-09
3612	472363.09, 3850877.25	1.66E-07	2.99E-09	-1.63E-07	6.99E-09	1.26E-10	-6.87E-09	1.05E-08	1.88E-10	-1.03E-08
3613	472863.09, 3850877.25	1.96E-07	3.53E-09	-1.93E-07	8.26E-09	1.49E-10	-8.11E-09	1.24E-08	2.23E-10	-1.21E-08
3614	473363.09, 3850877.25	1.86E-07	3.35E-09	-1.83E-07	7.84E-09	1.41E-10	-7.69E-09	1.17E-08	2.11E-10	-1.15E-08
3615	473863.09, 3850877.25	2.18E-07	3.92E-09	-2.14E-07	9.16E-09	1.65E-10	-9.00E-09	1.37E-08	2.47E-10	-1.35E-08
3616	474363.09, 3850877.25	2.74E-07	4.93E-09	-2.69E-07	1.15E-08	2.07E-10	-1.13E-08	1.72E-08	3.10E-10	-1.69E-08
3617	474863.09, 3850877.25	3.02E-07	5.44E-09	-2.97E-07	1.27E-08	2.29E-10	-1.25E-08	1.90E-08	3.43E-10	-1.87E-08
3618	475363.09, 3850877.25	3.30E-07	5.93E-09	-3.24E-07	1.39E-08	2.50E-10	-1.36E-08	2.08E-08	3.74E-10	-2.04E-08
3619	475863.09, 3850877.25	3.57E-07	6.42E-09	-3.50E-07	1.50E-08	2.70E-10	-1.47E-08	2.25E-08	4.05E-10	-2.21E-08
3620	476363.09, 3850877.25	3.73E-07	6.71E-09	-3.66E-07	1.57E-08	2.82E-10	-1.54E-08	2.35E-08	4.22E-10	-2.30E-08
3621	476863.09, 3850877.25	3.64E-07	6.55E-09	-3.57E-07	1.53E-08	2.76E-10	-1.50E-08	2.29E-08	4.13E-10	-2.25E-08
3622	477363.09, 3850877.25	3.50E-07	6.29E-09	-3.43E-07	1.47E-08	2.65E-10	-1.44E-08	2.20E-08	3.96E-10	-2.16E-08
3623	477863.09, 3850877.25	3.58E-07	6.45E-09	-3.52E-07	1.51E-08	2.71E-10	-1.48E-08	2.26E-08	4.06E-10	-2.22E-08
3624	478363.09, 3850877.25	3.87E-07	6.96E-09	-3.80E-07	1.63E-08	2.93E-10	-1.60E-08	2.44E-08	4.39E-10	-2.39E-08
3625	478863.09, 3850877.25	4.44E-07	8.00E-09	-4.36E-07	1.87E-08	3.36E-10	-1.83E-08	2.80E-08	5.04E-10	-2.75E-08
3626	479363.09, 3850877.25	4.80E-07	8.64E-09	-4.71E-07	2.02E-08	3.64E-10	-1.98E-08	3.02E-08	5.44E-10	-2.97E-08
3627	479863.09, 3850877.25	4.53E-07	8.15E-09	-4.45E-07	1.90E-08	3.43E-10	-1.87E-08	2.85E-08	5.13E-10	-2.80E-08
3628	480363.09, 3850877.25	4.50E-07	8.10E-09	-4.42E-07	1.89E-08	3.41E-10	-1.86E-08	2.83E-08	5.10E-10	-2.78E-08
3629	480863.09, 3850877.25	3.88E-07	6.99E-09	-3.81E-07	1.63E-08	2.94E-10	-1.60E-08	2.45E-08	4.40E-10	-2.40E-08
3630	481363.09, 3850877.25	3.54E-07	6.37E-09	-3.48E-07	1.49E-08	2.68E-10	-1.46E-08	2.23E-08	4.01E-10	-2.19E-08
3631	481863.09, 3850877.25	3.07E-07	5.52E-09	-3.01E-07	1.29E-08	2.32E-10	-1.27E-08	1.93E-08	3.48E-10	-1.90E-08
3632	482363.09, 3850877.25	2.52E-07	4.54E-09	-2.48E-07	1.06E-08	1.91E-10	-1.04E-08	1.59E-08	2.86E-10	-1.56E-08
3633	482863.09, 3850877.25	2.24E-07	4.02E-09	-2.19E-07	9.40E-09	1.69E-10	-9.23E-09	1.41E-08	2.53E-10	-1.38E-08
3634	483363.09, 3850877.25	2.02E-07	3.64E-09	-1.98E-07	8.50E-09	1.53E-10	-8.35E-09	1.27E-08	2.29E-10	-1.25E-08

3635	483863.09, 3850877.25	2.09E-07	3.77E-09	-2.05E-07	8.80E-09	1.58E-10	-8.64E-09	1.32E-08	2.37E-10	-1.29E-08
3636	484363.09, 3850877.25	2.25E-07	4.05E-09	-2.21E-07	9.46E-09	1.70E-10	-9.29E-09	1.42E-08	2.55E-10	-1.39E-08
3637	484863.09, 3850877.25	2.11E-07	3.79E-09	-2.07E-07	8.86E-09	1.60E-10	-8.70E-09	1.33E-08	2.39E-10	-1.30E-08
3638	485363.09, 3850877.25	2.03E-07	3.66E-09	-2.00E-07	8.56E-09	1.54E-10	-8.41E-09	1.28E-08	2.31E-10	-1.26E-08
3639	485863.09, 3850877.25	1.81E-07	3.25E-09	-1.77E-07	7.59E-09	1.37E-10	-7.46E-09	1.14E-08	2.05E-10	-1.12E-08
3640	486363.09, 3850877.25	1.79E-07	3.22E-09	-1.76E-07	7.53E-09	1.36E-10	-7.40E-09	1.13E-08	2.03E-10	-1.11E-08
3641	486863.09, 3850877.25	1.75E-07	3.15E-09	-1.72E-07	7.35E-09	1.32E-10	-7.22E-09	1.10E-08	1.98E-10	-1.08E-08
3642	487363.09, 3850877.25	1.62E-07	2.91E-09	-1.59E-07	6.81E-09	1.23E-10	-6.69E-09	1.02E-08	1.84E-10	-1.00E-08
3643	487863.09, 3850877.25	1.48E-07	2.66E-09	-1.45E-07	6.21E-09	1.12E-10	-6.10E-09	9.30E-09	1.67E-10	-9.13E-09
3644	488363.09, 3850877.25	1.45E-07	2.61E-09	-1.42E-07	6.09E-09	1.10E-10	-5.98E-09	9.12E-09	1.64E-10	-8.95E-09
3645	488863.09, 3850877.25	1.46E-07	2.63E-09	-1.44E-07	6.15E-09	1.11E-10	-6.04E-09	9.21E-09	1.66E-10	-9.04E-09
3646	489363.09, 3850877.25	1.43E-07	2.58E-09	-1.41E-07	6.03E-09	1.09E-10	-5.92E-09	9.03E-09	1.62E-10	-8.86E-09
3647	489863.09, 3850877.25	1.35E-07	2.42E-09	-1.32E-07	5.67E-09	1.02E-10	-5.56E-09	8.48E-09	1.53E-10	-8.33E-09
3648	490363.09, 3850877.25	1.32E-07	2.37E-09	-1.29E-07	5.55E-09	9.98E-11	-5.45E-09	8.30E-09	1.49E-10	-8.15E-09
3649	490863.09, 3850877.25	1.32E-07	2.37E-09	-1.29E-07	5.55E-09	9.98E-11	-5.45E-09	8.30E-09	1.49E-10	-8.15E-09
3650	491363.09, 3850877.25	1.33E-07	2.40E-09	-1.31E-07	5.61E-09	1.01E-10	-5.50E-09	8.39E-09	1.51E-10	-8.24E-09
3651	491863.09, 3850877.25	1.26E-07	2.27E-09	-1.24E-07	5.30E-09	9.55E-11	-5.21E-09	7.94E-09	1.43E-10	-7.80E-09
3652	492363.09, 3850877.25	1.13E-07	2.04E-09	-1.11E-07	4.76E-09	8.57E-11	-4.68E-09	7.13E-09	1.28E-10	-7.00E-09
3653	492863.09, 3850877.25	1.05E-07	1.88E-09	-1.03E-07	4.40E-09	7.92E-11	-4.32E-09	6.59E-09	1.19E-10	-6.47E-09
3654	493363.09, 3850877.25	1.00E-07	1.81E-09	-9.85E-08	4.22E-09	7.60E-11	-4.14E-09	6.32E-09	1.14E-10	-6.20E-09
3655	493863.09, 3850877.25	1.05E-07	1.88E-09	-1.03E-07	4.40E-09	7.92E-11	-4.32E-09	6.59E-09	1.19E-10	-6.47E-09
3656	494363.09, 3850877.25	1.02E-07	1.83E-09	-9.99E-08	4.28E-09	7.70E-11	-4.20E-09	6.41E-09	1.15E-10	-6.29E-09
3657	494863.09, 3850877.25	9.89E-08	1.78E-09	-9.71E-08	4.16E-09	7.49E-11	-4.08E-09	6.23E-09	1.12E-10	-6.12E-09
3658	495363.09, 3850877.25	9.60E-08	1.73E-09	-9.43E-08	4.04E-09	7.27E-11	-3.97E-09	6.05E-09	1.09E-10	-5.94E-09
3659	495863.09, 3850877.25	9.46E-08	1.70E-09	-9.29E-08	3.98E-09	7.16E-11	-3.91E-09	5.96E-09	1.07E-10	-5.85E-09
3660	496363.09, 3850877.25	9.31E-08	1.68E-09	-9.15E-08	3.92E-09	7.05E-11	-3.85E-09	5.87E-09	1.06E-10	-5.76E-09
3661	496863.09, 3850877.25	9.17E-08	1.65E-09	-9.00E-08	3.86E-09	6.95E-11	-3.79E-09	5.78E-09	1.04E-10	-5.67E-09
3662	497363.09, 3850877.25	9.17E-08	1.65E-09	-9.00E-08	3.86E-09	6.95E-11	-3.79E-09	5.78E-09	1.04E-10	-5.67E-09
3663	497863.09, 3850877.25	9.17E-08	1.65E-09	-9.00E-08	3.86E-09	6.95E-11	-3.79E-09	5.78E-09	1.04E-10	-5.67E-09
3664	498363.09, 3850877.25	8.74E-08	1.57E-09	-8.58E-08	3.68E-09	6.62E-11	-3.61E-09	5.51E-09	9.91E-11	-5.41E-09
3665	471363.09, 3851377.25	1.63E-07	2.94E-09	-1.60E-07	6.87E-09	1.24E-10	-6.75E-09	1.03E-08	1.85E-10	-1.01E-08
3666	471863.09, 3851377.25	1.82E-07	3.28E-09	-1.79E-07	7.66E-09	1.38E-10	-7.52E-09	1.15E-08	2.06E-10	-1.13E-08
3667	472363.09, 3851377.25	1.76E-07	3.17E-09	-1.73E-07	7.41E-09	1.33E-10	-7.28E-09	1.11E-08	2.00E-10	-1.09E-08
3668	472863.09, 3851377.25	1.75E-07	3.15E-09	-1.72E-07	7.35E-09	1.32E-10	-7.22E-09	1.10E-08	1.98E-10	-1.08E-08
3669	473363.09, 3851377.25	1.65E-07	2.97E-09	-1.62E-07	6.93E-09	1.25E-10	-6.81E-09	1.04E-08	1.87E-10	-1.02E-08
3670	473863.09, 3851377.25	1.72E-07	3.10E-09	-1.69E-07	7.23E-09	1.30E-10	-7.10E-09	1.08E-08	1.95E-10	-1.06E-08
3671	474363.09, 3851377.25	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
3672	474863.09, 3851377.25	2.46E-07	4.44E-09	-2.42E-07	1.04E-08	1.87E-10	-1.02E-08	1.55E-08	2.79E-10	-1.52E-08
3673	475363.09, 3851377.25	2.91E-07	5.24E-09	-2.86E-07	1.22E-08	2.20E-10	-1.20E-08	1.83E-08	3.30E-10	-1.80E-08
3674	475863.09, 3851377.25	3.22E-07	5.80E-09	-3.17E-07	1.36E-08	2.44E-10	-1.33E-08	2.03E-08	3.66E-10	-1.99E-08
3675	476363.09, 3851377.25	3.51E-07	6.32E-09	-3.45E-07	1.48E-08	2.66E-10	-1.45E-08	2.21E-08	3.98E-10	-2.17E-08
3676	476863.09, 3851377.25	3.51E-07	6.32E-09	-3.45E-07	1.48E-08	2.66E-10	-1.45E-08	2.21E-08	3.98E-10	-2.17E-08
3677	477363.09, 3851377.25	4.05E-07	7.30E-09	-3.98E-07	1.71E-08	3.07E-10	-1.68E-08	2.55E-08	4.60E-10	-2.51E-08
3678	477863.09, 3851377.25	3.98E-07	7.17E-09	-3.91E-07	1.68E-08	3.02E-10	-1.65E-08	2.51E-08	4.52E-10	-2.46E-08
3679	478363.09, 3851377.25	3.80E-07	6.84E-09	-3.73E-07	1.60E-08	2.88E-10	-1.57E-08	2.39E-08	4.31E-10	-2.35E-08
3680	478863.09, 3851377.25	4.07E-07	7.33E-09	-4.00E-07	1.71E-08	3.08E-10	-1.68E-08	2.56E-08	4.61E-10	-2.52E-08
3681	479363.09, 3851377.25	4.53E-07	8.15E-09	-4.45E-07	1.90E-08	3.43E-10	-1.87E-08	2.85E-08	5.13E-10	-2.80E-08
3682	479863.09, 3851377.25	5.24E-07	9.44E-09	-5.15E-07	2.21E-08	3.97E-10	-2.17E-08	3.30E-08	5.95E-10	-3.24E-08
3683	480363.09, 3851377.25	5.65E-07	1.02E-08	-5.54E-07	2.37E-08	4.28E-10	-2.33E-08	3.56E-08	6.40E-10	-3.49E-08
3684	480863.09, 3851377.25	5.43E-07	9.78E-09	-5.33E-07	2.28E-08	4.11E-10	-2.24E-08	3.42E-08	6.16E-10	-3.36E-08
3685	481363.09, 3851377.25	4.64E-07	8.36E-09	-4.56E-07	1.95E-08	3.52E-10	-1.92E-08	2.92E-08	5.26E-10	-2.87E-08
3686	481863.09, 3851377.25	3.83E-07	6.89E-09	-3.76E-07	1.61E-08	2.90E-10	-1.58E-08	2.41E-08	4.34E-10	-2.37E-08
3687	482363.09, 3851377.25	3.42E-07	6.16E-09	-3.36E-07	1.44E-08	2.59E-10	-1.41E-08	2.16E-08	3.88E-10	-2.12E-08
3688	482863.09, 3851377.25	2.71E-07	4.88E-09	-2.66E-07	1.14E-08	2.05E-10	-1.12E-08	1.71E-08	3.07E-10	-1.68E-08
3689	483363.09, 3851377.25	2.41E-07	4.33E-09	-2.36E-07	1.01E-08	1.82E-10	-9.94E-09	1.52E-08	2.73E-10	-1.49E-08
3690	483863.09, 3851377.25	2.32E-07	4.18E-09	-2.28E-07	9.76E-09	1.76E-10	-9.59E-09	1.46E-08	2.63E-10	-1.44E-08
3691	484363.09, 3851377.25	2.72E-07	4.90E-09	-2.67E-07	1.15E-08	2.06E-10	-1.12E-08	1.71E-08	3.09E-10	-1.68E-08
3692	484863.09, 3851377.25	2.29E-07	4.13E-09	-2.25E-07	9.64E-09	1.74E-10	-9.47E-09	1.44E-08	2.60E-10	-1.42E-08
3693	485363.09, 3851377.25	2.38E-07	4.28E-09	-2.34E-07	1.00E-08	1.80E-10	-9.83E-09	1.50E-08	2.70E-10	-1.47E-08
3694	485863.09, 3851377.25	2.08E-07	3.74E-09	-2.04E-07	8.74E-09	1.57E-10	-8.58E-09	1.31E-08	2.36E-10	-1.29E-08
3695	486363.09, 3851377.25	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
3696	486863.09, 3851377.25	1.93E-07	3.48E-09	-1.90E-07	8.14E-09	1.46E-10	-7.99E-09	1.22E-08	2.19E-10	-1.20E-08
3697	487363.09, 3851377.25	1.79E-07	3.22E-09	-1.76E-07	7.53E-09	1.36E-10	-7.40E-09	1.13E-08	2.03E-10	-1.11E-08
3698	487863.09, 3851377.25	1.69E-07	3.04E-09	-1.66E-07	7.11E-09	1.28E-10	-6.98E-09	1.07E-08	1.92E-10	-1.05E-08
3699	488363.09, 3851377.25	1.56E-07	2.81E-09	-1.53E-07	6.57E-09	1.18E-10	-6.45E-09	9.84E-09	1.77E-10	-9.66E-09
3700	488863.09, 3851377.25	1.56E-07	2.81E-09	-1.53E-07	6.57E-09	1.18E-10	-6.45E-09	9.84E-09	1.77E-10	-9.66E-09
3701	489363.09, 3851377.25	1.55E-07	2.79E-09	-1.52E-07	6.51E-09	1.17E-10	-6.39E-09	9.75E-09	1.75E-10	-9.57E-09
3702	489863.09, 3851377.25	1.50E-07	2.71E-09	-1.48E-07	6.33E-09	1.14E-10	-6.22E-09	9.48E-09	1.71E-10	-9.31E-09
3703	490363.09, 3851377.25	1.42E-07	2.55E-09	-1.39E-07	5.97E-09	1.07E-10	-5.86E-09	8.94E-09	1.61E-10	-8.77E-09
3704	490863.09, 3851377.25	1.39E-07	2.50E-09	-1.36E-07	5.85E-09	1.05E-10	-5.74E-09	8.75E-09	1.58E-10	-8.60E-09
3705	491363.09, 3851377.25	1.42E-07	2.55E-09	-1.39E-07	5.97E-09	1.07E-10	-5.86E-09	8.94E-09	1.61E-10	-8.77E-09
3706	491863.09, 3851377.25	1.38E-07	2.48E-09	-1.35E-07	5.79E-09	1.04E-10	-5.68E-09	8.66E-09	1.56E-10	-8.51E-09
3707	492363.09, 3851377.25	1.28E-07	2.30E-09	-1.25E-07	5.36E-09	9.66E-11	-5.27E-09	8.03E-09	1.45E-10	-7.89E-09
3708	492863.09, 3851377.25	1.16E-07	2.09E-09	-1.14E-07	4.88E-09	8.79E-11	-4.79E-09	7.31E-09	1.32E-10	-7.18E-09
3709	493363.09, 3851377.25	1.06E-07	1.91E-09	-1.04E-07	4.46E-09	8.03E-11	-4.38E-09	6.68E-09	1.20E-10	-6.56E-09
3710	493863.09, 3851377.25	1.09E-07	1.96E-09	-1.07E-07	4.58E-09	8.25E-11	-4.50E-09	6.86E-09	1.23E-10	-6.74E-09
3711	494363.09, 3851377.25	1.15E-07	2.06E-09	-1.13E-07	4.82E-09	8.68E-11	-4.74E-09	7.22E-09	1.30E-10	-7.09E-09
3712	494863.09, 3851377.25	1.07E-07	1.93E-09	-1.06E-07	4.52E-09	8.14E-11	-4.44E-09	6.77E-09	1.22E-10	-6.65E-09
3713	495363.09, 3851377.25	1.07E-07	1.93E-09	-1.06E-07	4.52E-09	8.14E-11	-4.44E-09	6.77E-09	1.22E-10	-6.65E-09
3714	495863.09, 3851377.25	1.06E-07	1.91E-09	-1.04E-07	4.46E-09	8.03E-11	-4.38E-09	6.68E-09	1.20E-10	-6.56E-09
3715	496363.09, 3851377.25	1.03E-07	1.86E-09	-1.01E-07	4.34E-09	7.81E-11	-4.26E-09	6.50E-09	1.17E-10	-6.38E-09
3716	496863.09, 3851377.25	9.89E-08	1.78E-09	-9.71E-08	4.16E-09	7.49E-11	-4.08E-09	6.23E-09	1.12E-10	-6.12E-09
3717	497363.09, 3851377.25	9.89E-08	1.78E-09	-9.71E-08	4.16E-09	7.49E-11	-4.08E-09	6.23E-09	1.12E-10	-6.12E-09
3718	497863.09, 3851377.25	9.74E-08	1.75E-09	-9.57E-08	4.10E-09	7.38E-11	-4.02E-09	6.14E-09	1.10E-10	-6.03E-09
3719	498363.09, 3851377.25	9.17E-08	1.65E-09	-9.00E-08	3.86E-09	6.95E-11	-3.79E-09	5.78E-09	1.04E-10	-5.67E-09
3720	471363.09, 3851877.25	1.96E-07	3.53E-09	-1.93E-07	8.26E-09	1.49E-10	-8.11E-09	1.24E-08	2.23E-10	-1.21E-08
3721	471863.09, 3851877.25	1.82E-07	3.28E-09	-1.79E-07	7.66E-09	1.38E-10	-7.52E-09	1.15E-08	2.06E-10	-1.13E-08
3722	472363.09, 3851877.25	1.88E-07	3.38E-09	-1.84E-07	7.90E-09	1.42E-10	-7.75E-09	1.18E-08	2.13E-10	-1.16E-08
3723	472863.09, 3851877.25	1.91E-07	3.43E-09	-1.87E-07	8.02E-09	1.44E-10	-7.87E-09	1.20E-08	2.16E-10	-1.18E-08
3724	473363.09, 3851877.25	1.75E-07	3.15E-09	-1.72E-07	7.35E-09	1.32E-10	-7.22E-09	1.10E-08	1.98E-10	-1.08E-08
3725	473863.09, 3851877.25	1.72E-07	3.10E-09	-1.69E-07	7.23E-09	1.30E-10	-7.10E-09	1.08E-08	1.95E-10	-1.06E-08
3726	474363.09, 3851877.25	1.89E-07	3.40E-09	-1.86E-07	7.96E-09	1.43E-10	-7.81E-09	1.19E-08	2.14E-10	-1.17E-08
3727	474863.09, 3851877.25	2.16E-07	3.90E-09	-2.12E-07	9.10E-09	1.64E-10	-8.94E-09	1.36E-08	2.45E-10	-1.34E-08
3728	475363.09, 3851877.25	2.42E-07	4.36E-09	-2.38E-07	1.02E-08	1.83E-10	-1.00E-08	1.53E-08	2.75E-10	-1.50E-08
3729	475863.09, 3851877.25	2.61E-07	4.69E-09	-2.56E-07	1.10E-08	1.98E-10	-1.08E-08	1.64E-08	2.96E-10	-1.61E-08
3730	476363.09, 3851877.25	2.58E-07	4.64E-09	-2.53E-07	1.08E-08	1.95E-10	-1.07E-08	1.62E-08	2.92E-10	-1.60E-08
3731	476863.09, 3851877.25	2.97E-07	5.34E-09	-2.91E-07	1.25E-08	2.25E-10	-1.23E-08	1.87E-08	3.36E-10	-1.83E-08
3732	477363.09, 3851877.25	3.32E-07	5.98E-09	-3.26E-07	1.40E-08	2.52E-10	-1.37E-08	2.09E-08	3.77E-10	-2.06E-08
3733	477863.09, 3851877.25	3.38E-07	6.09E-09	-3.32E-07	1.42E-08	2.56E-10	-1.40E-08	2.13E-08	3.83E-10	-2.09E-08
3734	478363.09, 3851877.25	3.31E-07	5.96E-09	-3.25E-07	1.39E-08	2.51E-10	-1.37E-08	2.08E-08	3.75E-10	-2.05E-08
3735	478863.09, 3851877.25	3.40E-07	6.11E-09	-3.33E-07	1.43E-08	2.57E-10	-1.40E-08	2.14E-08	3.85E-10	-2.10E-08
3736	479363.09, 3851877.25	4.04E-07	7.27E-09	-3.97E-07	1.70E-08	3.06E-10	-1.67E-08	2.55E-08	4.58E-10	-2.50E-08
3737	479863.09, 3851877.25	4.77E-07	8.59E-09	-4.69E-07	2.01E-08	3.61E-10	-1.97E-08	3.01E-08	5.41E-10	-2.95E-08
3738	480363.09, 3851877.25	5.34E-07	9.62E-09	-5.25E-07	2.25E-08	4.05E-10	-2.21E-08	3.37E-08	6.06E-10	-3.31E-08
3739	480863.09, 3851877.25	6.09E-07	1.10E-08	-5.98E-07	2.56E-08	4.61E-10	-2.52E-08	3.84E-08	6.91E-10	-3.77E-08
3740	481363.09, 3851877.25	6.42E-07	1.16E-08	-6.30E-07	2.70E-08	4.86E-10	-2.65E-08	4.04E-08	7.28E-10	-3.97E-08
3741	481863.09, 3851877.25	4.94E-07	8.90E-09	-4.85E-07	2.08E-08	3.74E-10	-2.04E-08	3.11E-08	5.61E-10	-3.06E-08

3742	482363.09, 3851877.25	3.34E-07	6.01E-09	-3.28E-07	1.40E-08	2.53E-10	-1.38E-08	2.10E-08	3.79E-10	-2.07E-08
3743	482863.09, 3851877.25	2.74E-07	4.93E-09	-2.69E-07	1.15E-08	2.07E-10	-1.13E-08	1.72E-08	3.10E-10	-1.69E-08
3744	483363.09, 3851877.25	2.79E-07	5.03E-09	-2.74E-07	1.18E-08	2.12E-10	-1.15E-08	1.76E-08	3.17E-10	-1.73E-08
3745	483863.09, 3851877.25	2.75E-07	4.95E-09	-2.70E-07	1.16E-08	2.08E-10	-1.14E-08	1.73E-08	3.12E-10	-1.70E-08
3746	484363.09, 3851877.25	3.17E-07	5.70E-09	-3.11E-07	1.33E-08	2.40E-10	-1.31E-08	1.99E-08	3.59E-10	-1.96E-08
3747	484863.09, 3851877.25	2.97E-07	5.34E-09	-2.91E-07	1.25E-08	2.25E-10	-1.23E-08	1.87E-08	3.36E-10	-1.83E-08
3748	485363.09, 3851877.25	2.87E-07	5.16E-09	-2.81E-07	1.21E-08	2.17E-10	-1.18E-08	1.81E-08	3.25E-10	-1.77E-08
3749	485863.09, 3851877.25	2.66E-07	4.80E-09	-2.62E-07	1.12E-08	2.02E-10	-1.10E-08	1.68E-08	3.02E-10	-1.65E-08
3750	486363.09, 3851877.25	2.31E-07	4.15E-09	-2.27E-07	9.70E-09	1.75E-10	-9.53E-09	1.45E-08	2.62E-10	-1.43E-08
3751	486863.09, 3851877.25	2.15E-07	3.87E-09	-2.11E-07	9.04E-09	1.63E-10	-8.88E-09	1.35E-08	2.44E-10	-1.33E-08
3752	487363.09, 3851877.25	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
3753	487863.09, 3851877.25	1.88E-07	3.38E-09	-1.84E-07	7.90E-09	1.42E-10	-7.75E-09	1.18E-08	2.13E-10	-1.16E-08
3754	488363.09, 3851877.25	1.72E-07	3.10E-09	-1.69E-07	7.23E-09	1.30E-10	-7.10E-09	1.08E-08	1.95E-10	-1.06E-08
3755	488863.09, 3851877.25	1.60E-07	2.89E-09	-1.58E-07	6.75E-09	1.22E-10	-6.63E-09	1.01E-08	1.82E-10	-9.93E-09
3756	489363.09, 3851877.25	1.59E-07	2.86E-09	-1.56E-07	6.69E-09	1.20E-10	-6.57E-09	1.00E-08	1.80E-10	-9.84E-09
3757	489863.09, 3851877.25	1.55E-07	2.79E-09	-1.52E-07	6.51E-09	1.17E-10	-6.39E-09	9.75E-09	1.75E-10	-9.57E-09
3758	490363.09, 3851877.25	1.49E-07	2.68E-09	-1.46E-07	6.27E-09	1.13E-10	-6.16E-09	9.39E-09	1.69E-10	-9.22E-09
3759	490863.09, 3851877.25	1.46E-07	2.63E-09	-1.44E-07	6.15E-09	1.11E-10	-6.04E-09	9.21E-09	1.66E-10	-9.04E-09
3760	491363.09, 3851877.25	1.49E-07	2.68E-09	-1.46E-07	6.27E-09	1.13E-10	-6.16E-09	9.39E-09	1.69E-10	-9.22E-09
3761	491863.09, 3851877.25	1.52E-07	2.73E-09	-1.49E-07	6.39E-09	1.15E-10	-6.27E-09	9.57E-09	1.72E-10	-9.40E-09
3762	492363.09, 3851877.25	1.42E-07	2.55E-09	-1.39E-07	5.97E-09	1.07E-10	-5.86E-09	8.94E-09	1.61E-10	-8.77E-09
3763	492863.09, 3851877.25	1.23E-07	2.22E-09	-1.21E-07	5.18E-09	9.33E-11	-5.09E-09	7.76E-09	1.40E-10	-7.62E-09
3764	493363.09, 3851877.25	1.23E-07	2.22E-09	-1.21E-07	5.18E-09	9.33E-11	-5.09E-09	7.76E-09	1.40E-10	-7.62E-09
3765	493863.09, 3851877.25	1.30E-07	2.35E-09	-1.28E-07	5.49E-09	9.88E-11	-5.39E-09	8.21E-09	1.48E-10	-8.07E-09
3766	494363.09, 3851877.25	1.29E-07	2.32E-09	-1.27E-07	5.42E-09	9.77E-11	-5.33E-09	8.12E-09	1.46E-10	-7.98E-09
3767	494863.09, 3851877.25	1.25E-07	2.24E-09	-1.22E-07	5.24E-09	9.44E-11	-5.15E-09	7.85E-09	1.41E-10	-7.71E-09
3768	495363.09, 3851877.25	1.20E-07	2.17E-09	-1.18E-07	5.06E-09	9.12E-11	-4.97E-09	7.58E-09	1.36E-10	-7.45E-09
3769	495863.09, 3851877.25	1.17E-07	2.12E-09	-1.15E-07	4.94E-09	8.90E-11	-4.85E-09	7.40E-09	1.33E-10	-7.27E-09
3770	496363.09, 3851877.25	1.13E-07	2.04E-09	-1.11E-07	4.76E-09	8.57E-11	-4.68E-09	7.13E-09	1.28E-10	-7.00E-09
3771	496863.09, 3851877.25	1.07E-07	1.93E-09	-1.06E-07	4.52E-09	8.14E-11	-4.44E-09	6.77E-09	1.22E-10	-6.65E-09
3772	497363.09, 3851877.25	1.06E-07	1.91E-09	-1.04E-07	4.46E-09	8.03E-11	-4.38E-09	6.68E-09	1.20E-10	-6.56E-09
3773	497863.09, 3851877.25	1.02E-07	1.83E-09	-9.99E-08	4.28E-09	7.70E-11	-4.20E-09	6.41E-09	1.15E-10	-6.29E-09
3774	498363.09, 3851877.25	9.60E-08	1.73E-09	-9.43E-08	4.04E-09	7.27E-11	-3.97E-09	6.05E-09	1.09E-10	-5.94E-09
3775	471363.09, 3852377.25	1.79E-07	3.22E-09	-1.76E-07	7.53E-09	1.36E-10	-7.40E-09	1.13E-08	2.03E-10	-1.11E-08
3776	471863.09, 3852377.25	2.01E-07	3.61E-09	-1.97E-07	8.44E-09	1.52E-10	-8.29E-09	1.26E-08	2.27E-10	-1.24E-08
3777	472363.09, 3852377.25	2.12E-07	3.82E-09	-2.08E-07	8.92E-09	1.61E-10	-8.76E-09	1.34E-08	2.40E-10	-1.31E-08
3778	472863.09, 3852377.25	2.12E-07	3.82E-09	-2.08E-07	8.92E-09	1.61E-10	-8.76E-09	1.34E-08	2.40E-10	-1.31E-08
3779	473363.09, 3852377.25	2.03E-07	3.66E-09	-2.00E-07	8.56E-09	1.54E-10	-8.41E-09	1.28E-08	2.31E-10	-1.26E-08
3780	473863.09, 3852377.25	1.95E-07	3.51E-09	-1.91E-07	8.20E-09	1.48E-10	-8.05E-09	1.23E-08	2.21E-10	-1.21E-08
3781	474363.09, 3852377.25	1.89E-07	3.40E-09	-1.86E-07	7.96E-09	1.43E-10	-7.81E-09	1.19E-08	2.14E-10	-1.17E-08
3782	474863.09, 3852377.25	2.16E-07	3.90E-09	-2.12E-07	9.10E-09	1.64E-10	-8.94E-09	1.36E-08	2.45E-10	-1.34E-08
3783	475363.09, 3852377.25	2.18E-07	3.92E-09	-2.14E-07	9.16E-09	1.65E-10	-9.00E-09	1.37E-08	2.47E-10	-1.35E-08
3784	475863.09, 3852377.25	2.21E-07	3.97E-09	-2.17E-07	9.28E-09	1.67E-10	-9.12E-09	1.39E-08	2.50E-10	-1.36E-08
3785	476363.09, 3852377.25	2.18E-07	3.92E-09	-2.14E-07	9.16E-09	1.65E-10	-9.00E-09	1.37E-08	2.47E-10	-1.35E-08
3786	476863.09, 3852377.25	2.32E-07	4.18E-09	-2.28E-07	9.76E-09	1.76E-10	-9.59E-09	1.46E-08	2.63E-10	-1.44E-08
3787	477363.09, 3852377.25	2.41E-07	4.33E-09	-2.36E-07	1.01E-08	1.82E-10	-9.94E-09	1.52E-08	2.73E-10	-1.49E-08
3788	477863.09, 3852377.25	2.32E-07	4.18E-09	-2.28E-07	9.76E-09	1.76E-10	-9.59E-09	1.46E-08	2.63E-10	-1.44E-08
3789	478363.09, 3852377.25	2.22E-07	4.00E-09	-2.18E-07	9.34E-09	1.68E-10	-9.17E-09	1.40E-08	2.52E-10	-1.37E-08
3790	478863.09, 3852377.25	2.46E-07	4.44E-09	-2.42E-07	1.04E-08	1.87E-10	-1.02E-08	1.55E-08	2.79E-10	-1.52E-08
3791	479363.09, 3852377.25	2.62E-07	4.72E-09	-2.57E-07	1.10E-08	1.99E-10	-1.08E-08	1.65E-08	2.97E-10	-1.62E-08
3792	479863.09, 3852377.25	3.38E-07	6.09E-09	-3.32E-07	1.42E-08	2.56E-10	-1.40E-08	2.13E-08	3.83E-10	-2.09E-08
3793	480363.09, 3852377.25	5.06E-07	9.11E-09	-4.97E-07	2.13E-08	3.83E-10	-2.09E-08	3.19E-08	5.74E-10	-3.13E-08
3794	480863.09, 3852377.25	5.59E-07	1.01E-08	-5.49E-07	2.35E-08	4.23E-10	-2.31E-08	3.52E-08	6.34E-10	-3.46E-08
3795	481363.09, 3852377.25	6.36E-07	1.15E-08	-6.25E-07	2.68E-08	4.82E-10	-2.63E-08	4.01E-08	7.21E-10	-3.94E-08
3796	481863.09, 3852377.25	7.05E-07	1.27E-08	-6.92E-07	2.97E-08	5.34E-10	-2.91E-08	4.44E-08	7.99E-10	-4.36E-08
3797	482363.09, 3852377.25	5.49E-07	9.88E-09	-5.39E-07	2.31E-08	4.16E-10	-2.27E-08	3.46E-08	6.22E-10	-3.39E-08
3798	482863.09, 3852377.25	4.16E-07	7.48E-09	-4.08E-07	1.75E-08	3.15E-10	-1.72E-08	2.62E-08	4.71E-10	-2.57E-08
3799	483363.09, 3852377.25	3.22E-07	5.80E-09	-3.17E-07	1.36E-08	2.44E-10	-1.33E-08	2.03E-08	3.66E-10	-1.99E-08
3800	483863.09, 3852377.25	3.02E-07	5.44E-09	-2.97E-07	1.27E-08	2.29E-10	-1.25E-08	1.90E-08	3.43E-10	-1.87E-08
3801	484363.09, 3852377.25	3.42E-07	6.16E-09	-3.36E-07	1.44E-08	2.59E-10	-1.41E-08	2.16E-08	3.88E-10	-2.12E-08
3802	484863.09, 3852377.25	3.67E-07	6.60E-09	-3.60E-07	1.54E-08	2.78E-10	-1.52E-08	2.31E-08	4.16E-10	-2.27E-08
3803	485363.09, 3852377.25	3.75E-07	6.76E-09	-3.69E-07	1.58E-08	2.84E-10	-1.55E-08	2.36E-08	4.26E-10	-2.32E-08
3804	485863.09, 3852377.25	3.22E-07	5.80E-09	-3.17E-07	1.36E-08	2.44E-10	-1.33E-08	2.03E-08	3.66E-10	-1.99E-08
3805	486363.09, 3852377.25	2.68E-07	4.82E-09	-2.63E-07	1.13E-08	2.03E-10	-1.11E-08	1.69E-08	3.04E-10	-1.66E-08
3806	486863.09, 3852377.25	2.38E-07	4.28E-09	-2.34E-07	1.00E-08	1.80E-10	-9.83E-09	1.50E-08	2.70E-10	-1.47E-08
3807	487363.09, 3852377.25	2.13E-07	3.84E-09	-2.10E-07	8.98E-09	1.62E-10	-8.82E-09	1.34E-08	2.42E-10	-1.32E-08
3808	487863.09, 3852377.25	2.01E-07	3.61E-09	-1.97E-07	8.44E-09	1.52E-10	-8.29E-09	1.26E-08	2.27E-10	-1.24E-08
3809	488363.09, 3852377.25	1.89E-07	3.40E-09	-1.86E-07	7.96E-09	1.43E-10	-7.81E-09	1.19E-08	2.14E-10	-1.17E-08
3810	488863.09, 3852377.25	1.69E-07	3.04E-09	-1.66E-07	7.11E-09	1.28E-10	-6.98E-09	1.07E-08	1.92E-10	-1.05E-08
3811	489363.09, 3852377.25	1.62E-07	2.91E-09	-1.59E-07	6.81E-09	1.23E-10	-6.69E-09	1.02E-08	1.84E-10	-1.00E-08
3812	489863.09, 3852377.25	1.58E-07	2.84E-09	-1.55E-07	6.63E-09	1.19E-10	-6.51E-09	9.93E-09	1.79E-10	-9.75E-09
3813	490363.09, 3852377.25	1.56E-07	2.81E-09	-1.53E-07	6.57E-09	1.18E-10	-6.45E-09	9.84E-09	1.77E-10	-9.66E-09
3814	490863.09, 3852377.25	1.55E-07	2.79E-09	-1.52E-07	6.51E-09	1.17E-10	-6.39E-09	9.75E-09	1.75E-10	-9.57E-09
3815	491363.09, 3852377.25	1.60E-07	2.89E-09	-1.58E-07	6.75E-09	1.22E-10	-6.63E-09	1.01E-08	1.82E-10	-9.93E-09
3816	491863.09, 3852377.25	1.66E-07	2.99E-09	-1.63E-07	6.99E-09	1.26E-10	-6.87E-09	1.05E-08	1.88E-10	-1.03E-08
3817	492363.09, 3852377.25	1.63E-07	2.94E-09	-1.60E-07	6.87E-09	1.24E-10	-6.75E-09	1.03E-08	1.85E-10	-1.01E-08
3818	492863.09, 3852377.25	1.56E-07	2.81E-09	-1.53E-07	6.57E-09	1.18E-10	-6.45E-09	9.84E-09	1.77E-10	-9.66E-09
3819	493363.09, 3852377.25	1.49E-07	2.68E-09	-1.46E-07	6.27E-09	1.13E-10	-6.16E-09	9.39E-09	1.69E-10	-9.22E-09
3820	493863.09, 3852377.25	1.45E-07	2.61E-09	-1.42E-07	6.09E-09	1.10E-10	-5.98E-09	9.12E-09	1.64E-10	-8.95E-09
3821	494363.09, 3852377.25	1.48E-07	2.66E-09	-1.45E-07	6.21E-09	1.12E-10	-6.10E-09	9.30E-09	1.67E-10	-9.13E-09
3822	494863.09, 3852377.25	1.42E-07	2.55E-09	-1.39E-07	5.97E-09	1.07E-10	-5.86E-09	8.94E-09	1.61E-10	-8.77E-09
3823	495363.09, 3852377.25	1.36E-07	2.45E-09	-1.34E-07	5.73E-09	1.03E-10	-5.62E-09	8.57E-09	1.54E-10	-8.42E-09
3824	495863.09, 3852377.25	1.28E-07	2.30E-09	-1.25E-07	5.36E-09	9.66E-11	-5.27E-09	8.03E-09	1.45E-10	-7.89E-09
3825	496363.09, 3852377.25	1.22E-07	2.19E-09	-1.20E-07	5.12E-09	9.22E-11	-5.03E-09	7.67E-09	1.38E-10	-7.53E-09
3826	496863.09, 3852377.25	1.16E-07	2.09E-09	-1.14E-07	4.88E-09	8.79E-11	-4.79E-09	7.31E-09	1.32E-10	-7.18E-09
3827	497363.09, 3852377.25	1.12E-07	2.01E-09	-1.10E-07	4.70E-09	8.46E-11	-4.62E-09	7.04E-09	1.27E-10	-6.91E-09
3828	497863.09, 3852377.25	1.05E-07	1.88E-09	-1.03E-07	4.40E-09	7.92E-11	-4.32E-09	6.59E-09	1.19E-10	-6.47E-09
3829	498363.09, 3852377.25	9.89E-08	1.78E-09	-9.71E-08	4.16E-09	7.49E-11	-4.08E-09	6.23E-09	1.12E-10	-6.12E-09
3830	471363.09, 3852877.25	1.73E-07	3.12E-09	-1.70E-07	7.29E-09	1.31E-10	-7.16E-09	1.09E-08	1.97E-10	-1.07E-08
3831	471863.09, 3852877.25	1.86E-07	3.35E-09	-1.83E-07	7.84E-09	1.41E-10	-7.69E-09	1.17E-08	2.11E-10	-1.15E-08
3832	472363.09, 3852877.25	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
3833	472863.09, 3852877.25	2.24E-07	4.02E-09	-2.19E-07	9.40E-09	1.69E-10	-9.23E-09	1.41E-08	2.53E-10	-1.38E-08
3834	473363.09, 3852877.25	2.39E-07	4.31E-09	-2.35E-07	1.01E-08	1.81E-10	-9.88E-09	1.51E-08	2.71E-10	-1.48E-08
3835	473863.09, 3852877.25	2.48E-07	4.46E-09	-2.43E-07	1.04E-08	1.88E-10	-1.02E-08	1.56E-08	2.81E-10	-1.53E-08
3836	474363.09, 3852877.25	2.46E-07	4.44E-09	-2.42E-07	1.04E-08	1.87E-10	-1.02E-08	1.55E-08	2.79E-10	-1.52E-08
3837	474863.09, 3852877.25	2.18E-07	3.92E-09	-2.14E-07	9.16E-09	1.65E-10	-9.00E-09	1.37E-08	2.47E-10	-1.35E-08
3838	475363.09, 3852877.25	2.19E-07	3.95E-09	-2.15E-07	9.22E-09	1.66E-10	-9.06E-09	1.38E-08	2.49E-10	-1.36E-08
3839	475863.09, 3852877.25	2.13E-07	3.84E-09	-2.10E-07	8.98E-09	1.62E-10	-8.82E-09	1.34E-08	2.42E-10	-1.32E-08
3840	476363.09, 3852877.25	2.02E-07	3.64E-09	-1.98E-07	8.50E-09	1.53E-10	-8.35E-09	1.27E-08	2.29E-10	-1.25E-08
3841	476863.09, 3852877.25	1.89E-07	3.40E-09	-1.86E-07	7.96E-09	1.43E-10	-7.81E-09	1.19E-08	2.14E-10	-1.17E-08
3842	477363.09, 3852877.25	1.83E-07	3.30E-09	-1.80E-07	7.72E-09	1.39E-10	-7.58E-09	1.16E-08	2.08E-10	-1.13E-08
3843	477863.09, 3852877.25	1.81E-07	3.25E-09	-1.77E-07	7.59E-09	1.37E-10	-7.46E-09	1.14E-08	2.05E-10	-1.12E-08
3844	478363.09, 3852877.25	1.78E-07	3.20E-09	-1.74E-07	7.47E-09	1.35E-10	-7.34E-09	1.12E-08	2.01E-10	-1.10E-08
3845	478863.09, 3852877.25	1.95E-07	3.51E-09	-1.91E-07	8.20E-09	1.48E-10	-8.05E-09	1.23E-08	2.21E-10	-1.21E-08
3846	479363.09, 3852877.25	2.18E-07	3.92E-09	-2.14E-07	9.16E-09	1.65E-10	-9.00E-09	1.37E-08	2.47E-10	-1.35E-08
3847	479863.09, 3852877.25	2.85E-07	5.13E-09	-2.80E-07	1.20E-08	2.16E-10	-1.18E-08	1.80E-08	3.23E-10	-1.76E-08
3848	480363.09, 3852877.25	4.38E-07	7.89E-09	-4.31E-07	1.84E-08	3.32E-10	-1.81E-08	2.76E-08	4.97E-10	-2.71E-08

3849	480863.09, 3852877.25	4.71E-07	8.49E-09	-4.63E-07	1.98E-08	3.57E-10	-1.95E-08	2.97E-08	5.35E-10	-2.92E-08
3850	481363.09, 3852877.25	5.95E-07	1.07E-08	-5.84E-07	2.50E-08	4.50E-10	-2.46E-08	3.75E-08	6.74E-10	-3.68E-08
3851	481863.09, 3852877.25	6.68E-07	1.20E-08	-6.56E-07	2.81E-08	5.06E-10	-2.76E-08	4.21E-08	7.57E-10	-4.13E-08
3852	482363.09, 3852877.25	7.54E-07	1.36E-08	-7.40E-07	3.17E-08	5.71E-10	-3.11E-08	4.75E-08	8.55E-10	-4.66E-08
3853	482863.09, 3852877.25	6.36E-07	1.15E-08	-6.25E-07	2.68E-08	4.82E-10	-2.63E-08	4.01E-08	7.21E-10	-3.94E-08
3854	483363.09, 3852877.25	4.66E-07	8.38E-09	-4.57E-07	1.96E-08	3.53E-10	-1.92E-08	2.93E-08	5.28E-10	-2.88E-08
3855	483863.09, 3852877.25	3.37E-07	6.06E-09	-3.31E-07	1.42E-08	2.55E-10	-1.39E-08	2.12E-08	3.82E-10	-2.08E-08
3856	484363.09, 3852877.25	3.91E-07	7.04E-09	-3.84E-07	1.65E-08	2.96E-10	-1.62E-08	2.46E-08	4.44E-10	-2.42E-08
3857	484863.09, 3852877.25	4.21E-07	7.58E-09	-4.14E-07	1.77E-08	3.19E-10	-1.74E-08	2.65E-08	4.78E-10	-2.61E-08
3858	485363.09, 3852877.25	3.37E-07	6.06E-09	-3.31E-07	1.42E-08	2.55E-10	-1.39E-08	2.12E-08	3.82E-10	-2.08E-08
3859	485863.09, 3852877.25	3.11E-07	5.60E-09	-3.05E-07	1.31E-08	2.35E-10	-1.28E-08	1.96E-08	3.53E-10	-1.92E-08
3860	486363.09, 3852877.25	2.79E-07	5.03E-09	-2.74E-07	1.18E-08	2.12E-10	-1.15E-08	1.76E-08	3.17E-10	-1.73E-08
3861	486863.09, 3852877.25	2.55E-07	4.59E-09	-2.50E-07	1.07E-08	1.93E-10	-1.05E-08	1.61E-08	2.89E-10	-1.58E-08
3862	487363.09, 3852877.25	2.24E-07	4.02E-09	-2.19E-07	9.40E-09	1.69E-10	-9.23E-09	1.41E-08	2.53E-10	-1.38E-08
3863	487863.09, 3852877.25	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
3864	488363.09, 3852877.25	1.83E-07	3.30E-09	-1.80E-07	7.72E-09	1.39E-10	-7.58E-09	1.16E-08	2.08E-10	-1.13E-08
3865	488863.09, 3852877.25	1.82E-07	3.28E-09	-1.79E-07	7.66E-09	1.38E-10	-7.52E-09	1.15E-08	2.06E-10	-1.13E-08
3866	489363.09, 3852877.25	1.72E-07	3.10E-09	-1.69E-07	7.23E-09	1.30E-10	-7.10E-09	1.08E-08	1.95E-10	-1.06E-08
3867	489863.09, 3852877.25	1.70E-07	3.07E-09	-1.67E-07	7.17E-09	1.29E-10	-7.04E-09	1.07E-08	1.93E-10	-1.05E-08
3868	490363.09, 3852877.25	1.79E-07	3.22E-09	-1.76E-07	7.53E-09	1.36E-10	-7.40E-09	1.13E-08	2.03E-10	-1.11E-08
3869	490863.09, 3852877.25	1.81E-07	3.25E-09	-1.77E-07	7.59E-09	1.37E-10	-7.46E-09	1.14E-08	2.05E-10	-1.12E-08
3870	491363.09, 3852877.25	1.83E-07	3.30E-09	-1.80E-07	7.72E-09	1.39E-10	-7.58E-09	1.16E-08	2.08E-10	-1.13E-08
3871	491863.09, 3852877.25	1.88E-07	3.38E-09	-1.84E-07	7.90E-09	1.42E-10	-7.75E-09	1.18E-08	2.13E-10	-1.16E-08
3872	492363.09, 3852877.25	1.89E-07	3.40E-09	-1.86E-07	7.96E-09	1.43E-10	-7.81E-09	1.19E-08	2.14E-10	-1.17E-08
3873	492863.09, 3852877.25	1.85E-07	3.33E-09	-1.81E-07	7.78E-09	1.40E-10	-7.64E-09	1.16E-08	2.10E-10	-1.14E-08
3874	493363.09, 3852877.25	1.70E-07	3.07E-09	-1.67E-07	7.17E-09	1.29E-10	-7.04E-09	1.07E-08	1.93E-10	-1.05E-08
3875	493863.09, 3852877.25	1.63E-07	2.94E-09	-1.60E-07	6.87E-09	1.24E-10	-6.75E-09	1.03E-08	1.85E-10	-1.01E-08
3876	494363.09, 3852877.25	1.66E-07	2.99E-09	-1.63E-07	6.99E-09	1.26E-10	-6.87E-09	1.05E-08	1.88E-10	-1.03E-08
3877	494863.09, 3852877.25	1.62E-07	2.91E-09	-1.59E-07	6.81E-09	1.23E-10	-6.69E-09	1.02E-08	1.84E-10	-1.00E-08
3878	495363.09, 3852877.25	1.48E-07	2.66E-09	-1.45E-07	6.21E-09	1.12E-10	-6.10E-09	9.30E-09	1.67E-10	-9.13E-09
3879	495863.09, 3852877.25	1.36E-07	2.45E-09	-1.34E-07	5.73E-09	1.03E-10	-5.62E-09	8.57E-09	1.54E-10	-8.42E-09
3880	496363.09, 3852877.25	1.30E-07	2.35E-09	-1.28E-07	5.49E-09	9.88E-11	-5.39E-09	8.21E-09	1.48E-10	-8.07E-09
3881	496863.09, 3852877.25	1.25E-07	2.24E-09	-1.22E-07	5.24E-09	9.44E-11	-5.15E-09	7.85E-09	1.41E-10	-7.71E-09
3882	497363.09, 3852877.25	1.19E-07	2.14E-09	-1.17E-07	5.00E-09	9.01E-11	-4.91E-09	7.49E-09	1.35E-10	-7.36E-09
3883	497863.09, 3852877.25	1.05E-07	1.88E-09	-1.03E-07	4.40E-09	7.92E-11	-4.32E-09	6.59E-09	1.19E-10	-6.47E-09
3884	498363.09, 3852877.25	1.02E-07	1.83E-09	-9.99E-08	4.28E-09	7.70E-11	-4.20E-09	6.41E-09	1.15E-10	-6.29E-09
3885	471363.09, 3853377.25	1.66E-07	2.99E-09	-1.63E-07	6.99E-09	1.26E-10	-6.87E-09	1.05E-08	1.88E-10	-1.03E-08
3886	471863.09, 3853377.25	1.79E-07	3.22E-09	-1.76E-07	7.53E-09	1.36E-10	-7.40E-09	1.13E-08	2.03E-10	-1.11E-08
3887	472363.09, 3853377.25	1.92E-07	3.46E-09	-1.89E-07	8.08E-09	1.45E-10	-7.93E-09	1.21E-08	2.18E-10	-1.19E-08
3888	472863.09, 3853377.25	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
3889	473363.09, 3853377.25	2.19E-07	3.95E-09	-2.15E-07	9.22E-09	1.66E-10	-9.06E-09	1.38E-08	2.49E-10	-1.36E-08
3890	473863.09, 3853377.25	2.38E-07	4.28E-09	-2.34E-07	1.00E-08	1.80E-10	-9.83E-09	1.50E-08	2.70E-10	-1.47E-08
3891	474363.09, 3853377.25	2.54E-07	4.57E-09	-2.49E-07	1.07E-08	1.92E-10	-1.05E-08	1.60E-08	2.88E-10	-1.57E-08
3892	474863.09, 3853377.25	2.45E-07	4.41E-09	-2.41E-07	1.03E-08	1.86E-10	-1.01E-08	1.54E-08	2.78E-10	-1.52E-08
3893	475363.09, 3853377.25	2.32E-07	4.18E-09	-2.28E-07	9.76E-09	1.76E-10	-9.59E-09	1.46E-08	2.63E-10	-1.44E-08
3894	475863.09, 3853377.25	2.16E-07	3.90E-09	-2.12E-07	9.10E-09	1.64E-10	-8.94E-09	1.36E-08	2.45E-10	-1.34E-08
3895	476363.09, 3853377.25	1.99E-07	3.59E-09	-1.96E-07	8.38E-09	1.51E-10	-8.23E-09	1.25E-08	2.26E-10	-1.23E-08
3896	476863.09, 3853377.25	1.79E-07	3.22E-09	-1.76E-07	7.53E-09	1.36E-10	-7.40E-09	1.13E-08	2.03E-10	-1.11E-08
3897	477363.09, 3853377.25	1.76E-07	3.17E-09	-1.73E-07	7.41E-09	1.33E-10	-7.28E-09	1.11E-08	2.00E-10	-1.09E-08
3898	477863.09, 3853377.25	1.78E-07	3.20E-09	-1.74E-07	7.47E-09	1.35E-10	-7.34E-09	1.12E-08	2.01E-10	-1.10E-08
3899	478363.09, 3853377.25	1.70E-07	3.07E-09	-1.67E-07	7.17E-09	1.29E-10	-7.04E-09	1.07E-08	1.93E-10	-1.05E-08
3900	478863.09, 3853377.25	1.63E-07	2.94E-09	-1.60E-07	6.87E-09	1.24E-10	-6.75E-09	1.03E-08	1.85E-10	-1.01E-08
3901	479363.09, 3853377.25	2.01E-07	3.61E-09	-1.97E-07	8.44E-09	1.52E-10	-8.29E-09	1.26E-08	2.27E-10	-1.24E-08
3902	479863.09, 3853377.25	2.44E-07	4.39E-09	-2.39E-07	1.02E-08	1.84E-10	-1.01E-08	1.53E-08	2.76E-10	-1.51E-08
3903	480363.09, 3853377.25	3.44E-07	6.19E-09	-3.38E-07	1.45E-08	2.60E-10	-1.42E-08	2.17E-08	3.90E-10	-2.13E-08
3904	480863.09, 3853377.25	3.18E-07	5.73E-09	-3.12E-07	1.34E-08	2.41E-10	-1.31E-08	2.00E-08	3.61E-10	-1.97E-08
3905	481363.09, 3853377.25	4.11E-07	7.40E-09	-4.04E-07	1.73E-08	3.11E-10	-1.70E-08	2.59E-08	4.66E-10	-2.54E-08
3906	481863.09, 3853377.25	6.48E-07	1.17E-08	-6.36E-07	2.72E-08	4.91E-10	-2.68E-08	4.08E-08	7.34E-10	-4.01E-08
3907	482363.09, 3853377.25	6.93E-07	1.25E-08	-6.81E-07	2.92E-08	5.25E-10	-2.86E-08	4.37E-08	7.86E-10	-4.29E-08
3908	482863.09, 3853377.25	7.62E-07	1.37E-08	-7.49E-07	3.21E-08	5.77E-10	-3.15E-08	4.80E-08	8.64E-10	-4.72E-08
3909	483363.09, 3853377.25	5.89E-07	1.06E-08	-5.78E-07	2.48E-08	4.46E-10	-2.43E-08	3.71E-08	6.68E-10	-3.64E-08
3910	483863.09, 3853377.25	4.89E-07	8.80E-09	-4.80E-07	2.06E-08	3.70E-10	-2.02E-08	3.08E-08	5.54E-10	-3.02E-08
3911	484363.09, 3853377.25	4.67E-07	8.41E-09	-4.59E-07	1.97E-08	3.54E-10	-1.93E-08	2.94E-08	5.30E-10	-2.89E-08
3912	484863.09, 3853377.25	3.75E-07	6.76E-09	-3.69E-07	1.58E-08	2.84E-10	-1.55E-08	2.36E-08	4.26E-10	-2.32E-08
3913	485363.09, 3853377.25	3.01E-07	5.42E-09	-2.95E-07	1.27E-08	2.28E-10	-1.24E-08	1.90E-08	3.41E-10	-1.86E-08
3914	485863.09, 3853377.25	2.64E-07	4.75E-09	-2.59E-07	1.11E-08	2.00E-10	-1.09E-08	1.66E-08	2.99E-10	-1.63E-08
3915	486363.09, 3853377.25	2.72E-07	4.90E-09	-2.67E-07	1.15E-08	2.06E-10	-1.12E-08	1.71E-08	3.09E-10	-1.68E-08
3916	486863.09, 3853377.25	2.72E-07	4.90E-09	-2.67E-07	1.15E-08	2.06E-10	-1.12E-08	1.71E-08	3.09E-10	-1.68E-08
3917	487363.09, 3853377.25	2.61E-07	4.69E-09	-2.56E-07	1.10E-08	1.98E-10	-1.08E-08	1.64E-08	2.96E-10	-1.61E-08
3918	487863.09, 3853377.25	2.42E-07	4.36E-09	-2.38E-07	1.02E-08	1.83E-10	-1.00E-08	1.53E-08	2.75E-10	-1.50E-08
3919	488363.09, 3853377.25	2.35E-07	4.23E-09	-2.31E-07	9.89E-09	1.78E-10	-9.71E-09	1.48E-08	2.66E-10	-1.45E-08
3920	488863.09, 3853377.25	2.29E-07	4.13E-09	-2.25E-07	9.64E-09	1.74E-10	-9.47E-09	1.44E-08	2.60E-10	-1.42E-08
3921	489363.09, 3853377.25	2.16E-07	3.90E-09	-2.12E-07	9.10E-09	1.64E-10	-8.94E-09	1.36E-08	2.45E-10	-1.34E-08
3922	489863.09, 3853377.25	2.02E-07	3.64E-09	-1.98E-07	8.50E-09	1.53E-10	-8.35E-09	1.27E-08	2.29E-10	-1.25E-08
3923	490363.09, 3853377.25	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
3924	490863.09, 3853377.25	2.02E-07	3.64E-09	-1.98E-07	8.50E-09	1.53E-10	-8.35E-09	1.27E-08	2.29E-10	-1.25E-08
3925	491363.09, 3853377.25	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
3926	491863.09, 3853377.25	2.08E-07	3.74E-09	-2.04E-07	8.74E-09	1.57E-10	-8.58E-09	1.31E-08	2.36E-10	-1.29E-08
3927	492363.09, 3853377.25	2.16E-07	3.90E-09	-2.12E-07	9.10E-09	1.64E-10	-8.94E-09	1.36E-08	2.45E-10	-1.34E-08
3928	492863.09, 3853377.25	2.15E-07	3.87E-09	-2.11E-07	9.04E-09	1.63E-10	-8.88E-09	1.35E-08	2.44E-10	-1.33E-08
3929	493363.09, 3853377.25	2.01E-07	3.61E-09	-1.97E-07	8.44E-09	1.52E-10	-8.29E-09	1.26E-08	2.27E-10	-1.24E-08
3930	493863.09, 3853377.25	1.86E-07	3.35E-09	-1.83E-07	7.84E-09	1.41E-10	-7.69E-09	1.17E-08	2.11E-10	-1.15E-08
3931	494363.09, 3853377.25	1.85E-07	3.33E-09	-1.81E-07	7.78E-09	1.40E-10	-7.64E-09	1.16E-08	2.10E-10	-1.14E-08
3932	494863.09, 3853377.25	1.75E-07	3.15E-09	-1.72E-07	7.35E-09	1.32E-10	-7.22E-09	1.10E-08	1.98E-10	-1.08E-08
3933	495363.09, 3853377.25	1.63E-07	2.94E-09	-1.60E-07	6.87E-09	1.24E-10	-6.75E-09	1.03E-08	1.85E-10	-1.01E-08
3934	495863.09, 3853377.25	1.52E-07	2.73E-09	-1.49E-07	6.39E-09	1.15E-10	-6.27E-09	9.57E-09	1.72E-10	-9.40E-09
3935	496363.09, 3853377.25	1.40E-07	2.53E-09	-1.38E-07	5.91E-09	1.06E-10	-5.80E-09	8.85E-09	1.59E-10	-8.69E-09
3936	496863.09, 3853377.25	1.30E-07	2.35E-09	-1.28E-07	5.49E-09	9.88E-11	-5.39E-09	8.21E-09	1.48E-10	-8.07E-09
3937	497363.09, 3853377.25	1.22E-07	2.19E-09	-1.20E-07	5.12E-09	9.22E-11	-5.03E-09	7.67E-09	1.38E-10	-7.53E-09
3938	497863.09, 3853377.25	1.05E-07	1.88E-09	-1.03E-07	4.40E-09	7.92E-11	-4.32E-09	6.59E-09	1.19E-10	-6.47E-09
3939	498363.09, 3853377.25	9.74E-08	1.75E-09	-9.57E-08	4.10E-09	7.38E-11	-4.02E-09	6.14E-09	1.10E-10	-6.03E-09
3940	471363.09, 3853877.25	1.66E-07	2.99E-09	-1.63E-07	6.99E-09	1.26E-10	-6.87E-09	1.05E-08	1.88E-10	-1.03E-08
3941	471863.09, 3853877.25	1.70E-07	3.07E-09	-1.67E-07	7.17E-09	1.29E-10	-7.04E-09	1.07E-08	1.93E-10	-1.05E-08
3942	472363.09, 3853877.25	1.78E-07	3.20E-09	-1.74E-07	7.47E-09	1.35E-10	-7.34E-09	1.12E-08	2.01E-10	-1.10E-08
3943	472863.09, 3853877.25	1.89E-07	3.40E-09	-1.86E-07	7.96E-09	1.43E-10	-7.81E-09	1.19E-08	2.14E-10	-1.17E-08
3944	473363.09, 3853877.25	2.01E-07	3.61E-09	-1.97E-07	8.44E-09	1.52E-10	-8.29E-09	1.26E-08	2.27E-10	-1.24E-08
3945	473863.09, 3853877.25	2.12E-07	3.82E-09	-2.08E-07	8.92E-09	1.61E-10	-8.76E-09	1.34E-08	2.40E-10	-1.31E-08
3946	474363.09, 3853877.25	2.26E-07	4.08E-09	-2.22E-07	9.52E-09	1.71E-10	-9.35E-09	1.43E-08	2.57E-10	-1.40E-08
3947	474863.09, 3853877.25	2.41E-07	4.33E-09	-2.36E-07	1.01E-08	1.82E-10	-9.94E-09	1.52E-08	2.73E-10	-1.49E-08
3948	475363.09, 3853877.25	2.42E-07	4.36E-09	-2.38E-07	1.02E-08	1.83E-10	-1.00E-08	1.53E-08	2.75E-10	-1.50E-08
3949	475863.09, 3853877.25	2.21E-07	3.97E-09	-2.17E-07	9.28E-09	1.67E-10	-9.12E-09	1.39E-08	2.50E-10	-1.36E-08
3950	476363.09, 3853877.25	1.95E-07	3.51E-09	-1.91E-07	8.20E-09	1.48E-10	-8.05E-09	1.23E-08	2.21E-10	-1.21E-08
3951	476863.09, 3853877.25	1.70E-07	3.07E-09	-1.67E-07	7.17E-09	1.29E-10	-7.04E-09	1.07E-08	1.93E-10	-1.05E-08
3952	477363.09, 3853877.25	1.73E-07	3.12E-09	-1.70E-07	7.29E-09	1.31E-10	-7.16E-09	1.09E-08	1.97E-10	-1.07E-08
3953	477863.09, 3853877.25	1.79E-07	3.22E-09	-1.76E-07	7.53E-09	1.36E-10	-7.40E-09	1.13E-08	2.03E-10	-1.11E-08
3954	478363.09, 3853877.25	1.81E-07	3.25E-09	-1.77E-07	7.59E-09	1.37E-10	-7.46E-09	1.14E-08	2.05E-10	-1.12E-08
3955	478863.09, 3853877.25	1.63E-07	2.94E-09	-1.60E-07	6.87E-09	1.24E-10	-6.75E-09	1.03E-08	1.85E-10	-1.01E-08

3956	479363.09, 3853877.25	1.79E-07	3.22E-09	-1.76E-07	7.53E-09	1.36E-10	-7.40E-09	1.13E-08	2.03E-10	-1.11E-08
3957	479863.09, 3853877.25	2.25E-07	4.05E-09	-2.21E-07	9.46E-09	1.70E-10	-9.29E-09	1.42E-08	2.55E-10	-1.39E-08
3958	480363.09, 3853877.25	2.78E-07	5.00E-09	-2.73E-07	1.17E-08	2.11E-10	-1.15E-08	1.75E-08	3.15E-10	-1.72E-08
3959	480863.09, 3853877.25	3.91E-07	7.04E-09	-3.84E-07	1.65E-08	2.96E-10	-1.62E-08	2.46E-08	4.44E-10	-2.42E-08
3960	481363.09, 3853877.25	4.66E-07	8.38E-09	-4.57E-07	1.96E-08	3.53E-10	-1.92E-08	2.93E-08	5.28E-10	-2.88E-08
3961	481863.09, 3853877.25	7.44E-07	1.34E-08	-7.30E-07	3.13E-08	5.63E-10	-3.07E-08	4.68E-08	8.43E-10	-4.60E-08
3962	482363.09, 3853877.25	7.41E-07	1.33E-08	-7.27E-07	3.12E-08	5.61E-10	-3.06E-08	4.67E-08	8.40E-10	-4.58E-08
3963	482863.09, 3853877.25	6.43E-07	1.16E-08	-6.32E-07	2.71E-08	4.87E-10	-2.66E-08	4.05E-08	7.30E-10	-3.98E-08
3964	483363.09, 3853877.25	5.86E-07	1.06E-08	-5.75E-07	2.47E-08	4.44E-10	-2.42E-08	3.69E-08	6.65E-10	-3.63E-08
3965	483863.09, 3853877.25	5.96E-07	1.07E-08	-5.85E-07	2.51E-08	4.51E-10	-2.46E-08	3.75E-08	6.76E-10	-3.69E-08
3966	484363.09, 3853877.25	4.83E-07	8.69E-09	-4.74E-07	2.03E-08	3.66E-10	-1.99E-08	3.04E-08	5.48E-10	-2.99E-08
3967	484863.09, 3853877.25	3.74E-07	6.73E-09	-3.67E-07	1.57E-08	2.83E-10	-1.54E-08	2.36E-08	4.24E-10	-2.31E-08
3968	485363.09, 3853877.25	2.87E-07	5.16E-09	-2.81E-07	1.21E-08	2.17E-10	-1.18E-08	1.81E-08	3.25E-10	-1.77E-08
3969	485863.09, 3853877.25	3.01E-07	5.42E-09	-2.95E-07	1.27E-08	2.28E-10	-1.24E-08	1.90E-08	3.41E-10	-1.86E-08
3970	486363.09, 3853877.25	3.05E-07	5.49E-09	-3.00E-07	1.28E-08	2.31E-10	-1.26E-08	1.92E-08	3.46E-10	-1.89E-08
3971	486863.09, 3853877.25	2.98E-07	5.37E-09	-2.93E-07	1.25E-08	2.26E-10	-1.23E-08	1.88E-08	3.38E-10	-1.84E-08
3972	487363.09, 3853877.25	3.05E-07	5.49E-09	-3.00E-07	1.28E-08	2.31E-10	-1.26E-08	1.92E-08	3.46E-10	-1.89E-08
3973	487863.09, 3853877.25	3.02E-07	5.44E-09	-2.97E-07	1.27E-08	2.29E-10	-1.25E-08	1.90E-08	3.43E-10	-1.87E-08
3974	488363.09, 3853877.25	2.85E-07	5.13E-09	-2.80E-07	1.20E-08	2.16E-10	-1.18E-08	1.80E-08	3.23E-10	-1.76E-08
3975	488863.09, 3853877.25	2.81E-07	5.06E-09	-2.76E-07	1.18E-08	2.13E-10	-1.16E-08	1.77E-08	3.18E-10	-1.74E-08
3976	489363.09, 3853877.25	2.66E-07	4.80E-09	-2.62E-07	1.12E-08	2.02E-10	-1.10E-08	1.68E-08	3.02E-10	-1.65E-08
3977	489863.09, 3853877.25	2.49E-07	4.49E-09	-2.45E-07	1.05E-08	1.89E-10	-1.03E-08	1.57E-08	2.83E-10	-1.54E-08
3978	490363.09, 3853877.25	2.36E-07	4.26E-09	-2.32E-07	9.95E-09	1.79E-10	-9.77E-09	1.49E-08	2.68E-10	-1.46E-08
3979	490863.09, 3853877.25	2.35E-07	4.23E-09	-2.31E-07	9.89E-09	1.78E-10	-9.71E-09	1.48E-08	2.66E-10	-1.45E-08
3980	491363.09, 3853877.25	2.38E-07	4.28E-09	-2.34E-07	1.00E-08	1.80E-10	-9.83E-09	1.50E-08	2.70E-10	-1.47E-08
3981	491863.09, 3853877.25	2.39E-07	4.31E-09	-2.35E-07	1.01E-08	1.81E-10	-9.88E-09	1.51E-08	2.71E-10	-1.48E-08
3982	492363.09, 3853877.25	2.46E-07	4.44E-09	-2.42E-07	1.04E-08	1.87E-10	-1.02E-08	1.55E-08	2.79E-10	-1.52E-08
3983	492863.09, 3853877.25	2.52E-07	4.54E-09	-2.48E-07	1.06E-08	1.91E-10	-1.04E-08	1.59E-08	2.86E-10	-1.56E-08
3984	493363.09, 3853877.25	2.36E-07	4.26E-09	-2.32E-07	9.95E-09	1.79E-10	-9.77E-09	1.49E-08	2.68E-10	-1.46E-08
3985	493863.09, 3853877.25	2.11E-07	3.79E-09	-2.07E-07	8.86E-09	1.60E-10	-8.70E-09	1.33E-08	2.39E-10	-1.30E-08
3986	494363.09, 3853877.25	2.06E-07	3.71E-09	-2.03E-07	8.68E-09	1.56E-10	-8.52E-09	1.30E-08	2.34E-10	-1.28E-08
3987	494863.09, 3853877.25	1.98E-07	3.56E-09	-1.94E-07	8.32E-09	1.50E-10	-8.17E-09	1.25E-08	2.24E-10	-1.22E-08
3988	495363.09, 3853877.25	1.76E-07	3.17E-09	-1.73E-07	7.41E-09	1.33E-10	-7.28E-09	1.11E-08	2.00E-10	-1.09E-08
3989	495863.09, 3853877.25	1.58E-07	2.84E-09	-1.55E-07	6.63E-09	1.19E-10	-6.51E-09	9.93E-09	1.79E-10	-9.75E-09
3990	496363.09, 3853877.25	1.46E-07	2.63E-09	-1.44E-07	6.15E-09	1.11E-10	-6.04E-09	9.21E-09	1.66E-10	-9.04E-09
3991	496863.09, 3853877.25	1.38E-07	2.48E-09	-1.35E-07	5.79E-09	1.04E-10	-5.68E-09	8.66E-09	1.56E-10	-8.51E-09
3992	497363.09, 3853877.25	1.29E-07	2.32E-09	-1.27E-07	5.42E-09	9.77E-11	-5.33E-09	8.12E-09	1.46E-10	-7.98E-09
3993	497863.09, 3853877.25	1.19E-07	2.14E-09	-1.17E-07	5.00E-09	9.01E-11	-4.91E-09	7.49E-09	1.35E-10	-7.36E-09
3994	498363.09, 3853877.25	1.15E-07	2.06E-09	-1.13E-07	4.82E-09	8.68E-11	-4.74E-09	7.22E-09	1.30E-10	-7.09E-09
3995	471363.09, 3854377.25	1.91E-07	3.43E-09	-1.87E-07	8.02E-09	1.44E-10	-7.87E-09	1.20E-08	2.16E-10	-1.18E-08
3996	471863.09, 3854377.25	1.92E-07	3.46E-09	-1.89E-07	8.08E-09	1.45E-10	-7.93E-09	1.21E-08	2.18E-10	-1.19E-08
3997	472363.09, 3854377.25	1.89E-07	3.40E-09	-1.86E-07	7.96E-09	1.43E-10	-7.81E-09	1.19E-08	2.14E-10	-1.17E-08
3998	472863.09, 3854377.25	1.88E-07	3.38E-09	-1.84E-07	7.90E-09	1.42E-10	-7.75E-09	1.18E-08	2.13E-10	-1.16E-08
3999	473363.09, 3854377.25	1.89E-07	3.40E-09	-1.86E-07	7.96E-09	1.43E-10	-7.81E-09	1.19E-08	2.14E-10	-1.17E-08
4000	473863.09, 3854377.25	1.98E-07	3.56E-09	-1.94E-07	8.32E-09	1.50E-10	-8.17E-09	1.25E-08	2.24E-10	-1.22E-08
4001	474363.09, 3854377.25	2.12E-07	3.82E-09	-2.08E-07	8.92E-09	1.61E-10	-8.76E-09	1.34E-08	2.40E-10	-1.31E-08
4002	474863.09, 3854377.25	2.16E-07	3.90E-09	-2.12E-07	9.10E-09	1.64E-10	-8.94E-09	1.36E-08	2.45E-10	-1.34E-08
4003	475363.09, 3854377.25	2.06E-07	3.71E-09	-2.03E-07	8.68E-09	1.56E-10	-8.52E-09	1.30E-08	2.34E-10	-1.28E-08
4004	475863.09, 3854377.25	1.85E-07	3.33E-09	-1.81E-07	7.78E-09	1.40E-10	-7.64E-09	1.16E-08	2.10E-10	-1.14E-08
4005	476363.09, 3854377.25	1.81E-07	3.25E-09	-1.77E-07	7.59E-09	1.37E-10	-7.46E-09	1.14E-08	2.05E-10	-1.12E-08
4006	476863.09, 3854377.25	1.79E-07	3.22E-09	-1.76E-07	7.53E-09	1.36E-10	-7.40E-09	1.13E-08	2.03E-10	-1.11E-08
4007	477363.09, 3854377.25	1.75E-07	3.15E-09	-1.72E-07	7.35E-09	1.32E-10	-7.22E-09	1.10E-08	1.98E-10	-1.08E-08
4008	477863.09, 3854377.25	1.72E-07	3.10E-09	-1.69E-07	7.23E-09	1.30E-10	-7.10E-09	1.08E-08	1.95E-10	-1.06E-08
4009	478363.09, 3854377.25	1.79E-07	3.22E-09	-1.76E-07	7.53E-09	1.36E-10	-7.40E-09	1.13E-08	2.03E-10	-1.11E-08
4010	478863.09, 3854377.25	1.82E-07	3.28E-09	-1.79E-07	7.66E-09	1.38E-10	-7.52E-09	1.15E-08	2.06E-10	-1.13E-08
4011	479363.09, 3854377.25	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
4012	479863.09, 3854377.25	2.21E-07	3.97E-09	-2.17E-07	9.28E-09	1.67E-10	-9.12E-09	1.39E-08	2.50E-10	-1.36E-08
4013	480363.09, 3854377.25	2.51E-07	4.51E-09	-2.46E-07	1.05E-08	1.90E-10	-1.04E-08	1.58E-08	2.84E-10	-1.55E-08
4014	480863.09, 3854377.25	3.21E-07	5.78E-09	-3.15E-07	1.35E-08	2.43E-10	-1.33E-08	2.02E-08	3.64E-10	-1.99E-08
4015	481363.09, 3854377.25	4.10E-07	7.38E-09	-4.02E-07	1.72E-08	3.10E-10	-1.69E-08	2.58E-08	4.65E-10	-2.53E-08
4016	481863.09, 3854377.25	7.77E-07	1.40E-08	-7.63E-07	3.27E-08	5.88E-10	-3.21E-08	4.89E-08	8.81E-10	-4.80E-08
4017	482363.09, 3854377.25	8.52E-07	1.53E-08	-8.37E-07	3.59E-08	6.46E-10	-3.52E-08	5.37E-08	9.67E-10	-5.27E-08
4018	482863.09, 3854377.25	7.22E-07	1.30E-08	-7.09E-07	3.04E-08	5.47E-10	-2.98E-08	4.55E-08	8.19E-10	-4.47E-08
4019	483363.09, 3854377.25	5.77E-07	1.04E-08	-5.67E-07	2.43E-08	4.37E-10	-2.39E-08	3.64E-08	6.55E-10	-3.57E-08
4020	483863.09, 3854377.25	4.66E-07	8.38E-09	-4.57E-07	1.96E-08	3.53E-10	-1.92E-08	2.93E-08	5.28E-10	-2.88E-08
4021	484363.09, 3854377.25	4.11E-07	7.40E-09	-4.04E-07	1.73E-08	3.11E-10	-1.70E-08	2.59E-08	4.66E-10	-2.54E-08
4022	484863.09, 3854377.25	3.51E-07	6.32E-09	-3.45E-07	1.48E-08	2.66E-10	-1.45E-08	2.21E-08	3.98E-10	-2.17E-08
4023	485363.09, 3854377.25	3.83E-07	6.89E-09	-3.76E-07	1.61E-08	2.90E-10	-1.58E-08	2.41E-08	4.34E-10	-2.37E-08
4024	485863.09, 3854377.25	3.25E-07	5.86E-09	-3.19E-07	1.37E-08	2.46E-10	-1.34E-08	2.05E-08	3.69E-10	-2.01E-08
4025	486363.09, 3854377.25	3.44E-07	6.19E-09	-3.38E-07	1.45E-08	2.60E-10	-1.42E-08	2.17E-08	3.90E-10	-2.13E-08
4026	486863.09, 3854377.25	3.41E-07	6.14E-09	-3.35E-07	1.43E-08	2.58E-10	-1.41E-08	2.15E-08	3.87E-10	-2.11E-08
4027	487363.09, 3854377.25	3.61E-07	6.50E-09	-3.55E-07	1.52E-08	2.73E-10	-1.49E-08	2.27E-08	4.09E-10	-2.23E-08
4028	487863.09, 3854377.25	3.78E-07	6.81E-09	-3.71E-07	1.59E-08	2.86E-10	-1.56E-08	2.38E-08	4.29E-10	-2.34E-08
4029	488363.09, 3854377.25	3.60E-07	6.47E-09	-3.53E-07	1.51E-08	2.72E-10	-1.49E-08	2.27E-08	4.08E-10	-2.22E-08
4030	488863.09, 3854377.25	3.41E-07	6.14E-09	-3.35E-07	1.43E-08	2.58E-10	-1.41E-08	2.15E-08	3.87E-10	-2.11E-08
4031	489363.09, 3854377.25	3.28E-07	5.91E-09	-3.22E-07	1.38E-08	2.49E-10	-1.36E-08	2.07E-08	3.72E-10	-2.03E-08
4032	489863.09, 3854377.25	3.15E-07	5.67E-09	-3.10E-07	1.33E-08	2.39E-10	-1.30E-08	1.99E-08	3.57E-10	-1.95E-08
4033	490363.09, 3854377.25	2.88E-07	5.18E-09	-2.83E-07	1.21E-08	2.18E-10	-1.19E-08	1.81E-08	3.27E-10	-1.78E-08
4034	490863.09, 3854377.25	2.49E-07	4.49E-09	-2.45E-07	1.05E-08	1.89E-10	-1.03E-08	1.57E-08	2.83E-10	-1.54E-08
4035	491363.09, 3854377.25	2.64E-07	4.75E-09	-2.59E-07	1.11E-08	2.00E-10	-1.09E-08	1.66E-08	2.99E-10	-1.63E-08
4036	491863.09, 3854377.25	2.81E-07	5.06E-09	-2.76E-07	1.18E-08	2.13E-10	-1.16E-08	1.77E-08	3.18E-10	-1.74E-08
4037	492363.09, 3854377.25	2.87E-07	5.16E-09	-2.81E-07	1.21E-08	2.17E-10	-1.18E-08	1.81E-08	3.25E-10	-1.77E-08
4038	492863.09, 3854377.25	2.88E-07	5.18E-09	-2.83E-07	1.21E-08	2.18E-10	-1.19E-08	1.81E-08	3.27E-10	-1.78E-08
4039	493363.09, 3854377.25	2.74E-07	4.93E-09	-2.69E-07	1.15E-08	2.07E-10	-1.13E-08	1.72E-08	3.10E-10	-1.69E-08
4040	493863.09, 3854377.25	2.42E-07	4.36E-09	-2.38E-07	1.02E-08	1.83E-10	-1.00E-08	1.53E-08	2.75E-10	-1.50E-08
4041	494363.09, 3854377.25	2.29E-07	4.13E-09	-2.25E-07	9.64E-09	1.74E-10	-9.47E-09	1.44E-08	2.60E-10	-1.42E-08
4042	494863.09, 3854377.25	2.02E-07	3.64E-09	-1.98E-07	8.50E-09	1.53E-10	-8.35E-09	1.27E-08	2.29E-10	-1.25E-08
4043	495363.09, 3854377.25	1.76E-07	3.17E-09	-1.73E-07	7.41E-09	1.33E-10	-7.28E-09	1.11E-08	2.00E-10	-1.09E-08
4044	495863.09, 3854377.25	1.58E-07	2.84E-09	-1.55E-07	6.63E-09	1.19E-10	-6.51E-09	9.93E-09	1.79E-10	-9.75E-09
4045	496363.09, 3854377.25	1.48E-07	2.66E-09	-1.45E-07	6.21E-09	1.12E-10	-6.10E-09	9.30E-09	1.67E-10	-9.13E-09
4046	496863.09, 3854377.25	1.40E-07	2.53E-09	-1.38E-07	5.91E-09	1.06E-10	-5.80E-09	8.85E-09	1.59E-10	-8.69E-09
4047	497363.09, 3854377.25	1.29E-07	2.32E-09	-1.27E-07	5.42E-09	9.77E-11	-5.33E-09	8.12E-09	1.46E-10	-7.98E-09
4048	497863.09, 3854377.25	1.32E-07	2.37E-09	-1.29E-07	5.55E-09	9.98E-11	-5.45E-09	8.30E-09	1.49E-10	-8.15E-09
4049	498363.09, 3854377.25	1.30E-07	2.35E-09	-1.28E-07	5.49E-09	9.88E-11	-5.39E-09	8.21E-09	1.48E-10	-8.07E-09
4050	471363.09, 3854877.25	2.19E-07	3.95E-09	-2.15E-07	9.22E-09	1.66E-10	-9.06E-09	1.38E-08	2.49E-10	-1.36E-08
4051	471863.09, 3854877.25	2.24E-07	4.02E-09	-2.19E-07	9.40E-09	1.69E-10	-9.23E-09	1.41E-08	2.53E-10	-1.38E-08
4052	472363.09, 3854877.25	2.24E-07	4.02E-09	-2.19E-07	9.40E-09	1.69E-10	-9.23E-09	1.41E-08	2.53E-10	-1.38E-08
4053	472863.09, 3854877.25	2.16E-07	3.90E-09	-2.12E-07	9.10E-09	1.64E-10	-8.94E-09	1.36E-08	2.45E-10	-1.34E-08
4054	473363.09, 3854877.25	2.15E-07	3.87E-09	-2.11E-07	9.04E-09	1.63E-10	-8.88E-09	1.35E-08	2.44E-10	-1.33E-08
4055	473863.09, 3854877.25	2.12E-07	3.82E-09	-2.08E-07	8.92E-09	1.61E-10	-8.76E-09	1.34E-08	2.40E-10	-1.31E-08
4056	474363.09, 3854877.25	2.13E-07	3.84E-09	-2.10E-07	8.98E-09	1.62E-10	-8.82E-09	1.34E-08	2.42E-10	-1.32E-08
4057	474863.09, 3854877.25	1.95E-07	3.51E-09	-1.91E-07	8.20E-09	1.48E-10	-8.05E-09	1.23E-08	2.21E-10	-1.21E-08
4058	475363.09, 3854877.25	1.85E-07	3.33E-09	-1.81E-07	7.78E-09	1.40E-10	-7.64E-09	1.16E-08	2.10E-10	-1.14E-08
4059	475863.09, 3854877.25	1.78E-07	3.20E-09	-1.74E-07	7.47E-09	1.35E-10	-7.34E-09	1.12E-08	2.01E-10	-1.10E-08
4060	476363.09, 3854877.25	1.62E-07	2.91E-09	-1.59E-07	6.81E-09	1.23E-10	-6.69E-09	1.02E-08	1.84E-10	-1.00E-08
4061	476863.09, 3854877.25	1.60E-07	2.89E-09	-1.58E-07	6.75E-09	1.22E-10	-6.63E-09	1.01E-08	1.82E-10	-9.93E-09
4062	477363.09, 3854877.25	1.70E-07	3.07E-09	-1.67E-07	7.17E-09	1.29E-10	-7.04E-09	1.07E-08	1.93E-10	-1.05E-08

4063	477863.09, 3854877.25	1.81E-07	3.25E-09	-1.77E-07	7.59E-09	1.37E-10	-7.46E-09	1.14E-08	2.05E-10	-1.12E-08
4064	478363.09, 3854877.25	1.99E-07	3.59E-09	-1.96E-07	8.38E-09	1.51E-10	-8.23E-09	1.25E-08	2.26E-10	-1.23E-08
4065	478863.09, 3854877.25	2.25E-07	4.05E-09	-2.21E-07	9.46E-09	1.70E-10	-9.29E-09	1.42E-08	2.55E-10	-1.39E-08
4066	479363.09, 3854877.25	2.51E-07	4.51E-09	-2.46E-07	1.05E-08	1.90E-10	-1.04E-08	1.58E-08	2.84E-10	-1.55E-08
4067	479863.09, 3854877.25	2.69E-07	4.85E-09	-2.65E-07	1.13E-08	2.04E-10	-1.11E-08	1.70E-08	3.05E-10	-1.67E-08
4068	480363.09, 3854877.25	2.87E-07	5.16E-09	-2.81E-07	1.21E-08	2.17E-10	-1.18E-08	1.81E-08	3.25E-10	-1.77E-08
4069	480863.09, 3854877.25	3.40E-07	6.11E-09	-3.33E-07	1.43E-08	2.57E-10	-1.40E-08	2.14E-08	3.85E-10	-2.10E-08
4070	481363.09, 3854877.25	3.97E-07	7.15E-09	-3.90E-07	1.67E-08	3.01E-10	-1.64E-08	2.50E-08	4.50E-10	-2.46E-08
4071	481863.09, 3854877.25	3.88E-07	6.99E-09	-3.81E-07	1.63E-08	2.94E-10	-1.60E-08	2.45E-08	4.40E-10	-2.40E-08
4072	482363.09, 3854877.25	8.45E-07	1.52E-08	-8.30E-07	3.56E-08	6.40E-10	-3.49E-08	5.33E-08	9.59E-10	-5.23E-08
4073	482863.09, 3854877.25	8.37E-07	1.51E-08	-8.22E-07	3.52E-08	6.34E-10	-3.46E-08	5.27E-08	9.49E-10	-5.18E-08
4074	483363.09, 3854877.25	8.12E-07	1.46E-08	-7.98E-07	3.42E-08	6.15E-10	-3.36E-08	5.12E-08	9.21E-10	-5.03E-08
4075	483863.09, 3854877.25	5.76E-07	1.04E-08	-5.66E-07	2.42E-08	4.36E-10	-2.38E-08	3.63E-08	6.53E-10	-3.56E-08
4076	484363.09, 3854877.25	4.50E-07	8.10E-09	-4.42E-07	1.89E-08	3.41E-10	-1.86E-08	2.83E-08	5.10E-10	-2.78E-08
4077	484863.09, 3854877.25	4.58E-07	8.25E-09	-4.50E-07	1.93E-08	3.47E-10	-1.89E-08	2.89E-08	5.20E-10	-2.84E-08
4078	485363.09, 3854877.25	4.76E-07	8.56E-09	-4.67E-07	2.00E-08	3.60E-10	-1.97E-08	3.00E-08	5.39E-10	-2.94E-08
4079	485863.09, 3854877.25	4.48E-07	8.07E-09	-4.40E-07	1.89E-08	3.40E-10	-1.85E-08	2.83E-08	5.09E-10	-2.77E-08
4080	486363.09, 3854877.25	4.11E-07	7.40E-09	-4.04E-07	1.73E-08	3.11E-10	-1.70E-08	2.59E-08	4.66E-10	-2.54E-08
4081	486863.09, 3854877.25	3.98E-07	7.17E-09	-3.91E-07	1.68E-08	3.02E-10	-1.65E-08	2.51E-08	4.52E-10	-2.46E-08
4082	487363.09, 3854877.25	4.30E-07	7.74E-09	-4.22E-07	1.81E-08	3.26E-10	-1.78E-08	2.71E-08	4.87E-10	-2.66E-08
4083	487863.09, 3854877.25	4.64E-07	8.36E-09	-4.56E-07	1.95E-08	3.52E-10	-1.92E-08	2.92E-08	5.26E-10	-2.87E-08
4084	488363.09, 3854877.25	4.71E-07	8.49E-09	-4.63E-07	1.98E-08	3.57E-10	-1.95E-08	2.97E-08	5.35E-10	-2.92E-08
4085	488863.09, 3854877.25	4.48E-07	8.07E-09	-4.40E-07	1.89E-08	3.40E-10	-1.85E-08	2.83E-08	5.09E-10	-2.77E-08
4086	489363.09, 3854877.25	4.21E-07	7.58E-09	-4.14E-07	1.77E-08	3.19E-10	-1.74E-08	2.65E-08	4.78E-10	-2.61E-08
4087	489863.09, 3854877.25	3.78E-07	6.81E-09	-3.71E-07	1.59E-08	2.86E-10	-1.56E-08	2.38E-08	4.29E-10	-2.34E-08
4088	490363.09, 3854877.25	3.04E-07	5.47E-09	-2.98E-07	1.28E-08	2.30E-10	-1.25E-08	1.91E-08	3.44E-10	-1.88E-08
4089	490863.09, 3854877.25	2.56E-07	4.62E-09	-2.52E-07	1.08E-08	1.94E-10	-1.06E-08	1.62E-08	2.91E-10	-1.59E-08
4090	491363.09, 3854877.25	2.55E-07	4.59E-09	-2.50E-07	1.07E-08	1.93E-10	-1.05E-08	1.61E-08	2.89E-10	-1.58E-08
4091	491863.09, 3854877.25	3.27E-07	5.88E-09	-3.21E-07	1.37E-08	2.47E-10	-1.35E-08	2.06E-08	3.70E-10	-2.02E-08
4092	492363.09, 3854877.25	3.35E-07	6.04E-09	-3.29E-07	1.41E-08	2.54E-10	-1.39E-08	2.11E-08	3.80E-10	-2.07E-08
4093	492863.09, 3854877.25	3.28E-07	5.91E-09	-3.22E-07	1.38E-08	2.49E-10	-1.36E-08	2.07E-08	3.72E-10	-2.03E-08
4094	493363.09, 3854877.25	3.12E-07	5.62E-09	-3.07E-07	1.31E-08	2.37E-10	-1.29E-08	1.97E-08	3.54E-10	-1.93E-08
4095	493863.09, 3854877.25	2.79E-07	5.03E-09	-2.74E-07	1.18E-08	2.12E-10	-1.15E-08	1.76E-08	3.17E-10	-1.73E-08
4096	494363.09, 3854877.25	2.26E-07	4.08E-09	-2.22E-07	9.52E-09	1.71E-10	-9.35E-09	1.43E-08	2.57E-10	-1.40E-08
4097	494863.09, 3854877.25	1.96E-07	3.53E-09	-1.93E-07	8.26E-09	1.49E-10	-8.11E-09	1.24E-08	2.23E-10	-1.21E-08
4098	495363.09, 3854877.25	1.75E-07	3.15E-09	-1.72E-07	7.35E-09	1.32E-10	-7.22E-09	1.10E-08	1.98E-10	-1.08E-08
4099	495863.09, 3854877.25	1.59E-07	2.86E-09	-1.56E-07	6.69E-09	1.20E-10	-6.57E-09	1.00E-08	1.80E-10	-9.84E-09
4100	496363.09, 3854877.25	1.42E-07	2.55E-09	-1.39E-07	5.97E-09	1.07E-10	-5.86E-09	8.94E-09	1.61E-10	-8.77E-09
4101	496863.09, 3854877.25	1.36E-07	2.45E-09	-1.34E-07	5.73E-09	1.03E-10	-5.62E-09	8.57E-09	1.54E-10	-8.42E-09
4102	497363.09, 3854877.25	1.36E-07	2.45E-09	-1.34E-07	5.73E-09	1.03E-10	-5.62E-09	8.57E-09	1.54E-10	-8.42E-09
4103	497863.09, 3854877.25	1.45E-07	2.61E-09	-1.42E-07	6.09E-09	1.10E-10	-5.98E-09	9.12E-09	1.64E-10	-8.95E-09
4104	498363.09, 3854877.25	1.50E-07	2.71E-09	-1.48E-07	6.33E-09	1.14E-10	-6.22E-09	9.48E-09	1.71E-10	-9.31E-09
4105	471363.09, 3855377.25	2.31E-07	4.15E-09	-2.27E-07	9.70E-09	1.75E-10	-9.53E-09	1.45E-08	2.62E-10	-1.43E-08
4106	471863.09, 3855377.25	2.35E-07	4.23E-09	-2.31E-07	9.89E-09	1.78E-10	-9.71E-09	1.48E-08	2.66E-10	-1.45E-08
4107	472363.09, 3855377.25	2.44E-07	4.39E-09	-2.39E-07	1.02E-08	1.84E-10	-1.01E-08	1.53E-08	2.76E-10	-1.51E-08
4108	472863.09, 3855377.25	2.46E-07	4.44E-09	-2.42E-07	1.04E-08	1.87E-10	-1.02E-08	1.55E-08	2.79E-10	-1.52E-08
4109	473363.09, 3855377.25	2.56E-07	4.62E-09	-2.52E-07	1.08E-08	1.94E-10	-1.06E-08	1.62E-08	2.91E-10	-1.59E-08
4110	473863.09, 3855377.25	2.59E-07	4.67E-09	-2.55E-07	1.09E-08	1.96E-10	-1.07E-08	1.63E-08	2.94E-10	-1.60E-08
4111	474363.09, 3855377.25	2.52E-07	4.54E-09	-2.48E-07	1.06E-08	1.91E-10	-1.04E-08	1.59E-08	2.86E-10	-1.56E-08
4112	474863.09, 3855377.25	2.21E-07	3.97E-09	-2.17E-07	9.28E-09	1.67E-10	-9.12E-09	1.39E-08	2.50E-10	-1.36E-08
4113	475363.09, 3855377.25	1.76E-07	3.17E-09	-1.73E-07	7.41E-09	1.33E-10	-7.28E-09	1.11E-08	2.00E-10	-1.09E-08
4114	475863.09, 3855377.25	1.66E-07	2.99E-09	-1.63E-07	6.99E-09	1.26E-10	-6.87E-09	1.05E-08	1.88E-10	-1.03E-08
4115	476363.09, 3855377.25	1.72E-07	3.10E-09	-1.69E-07	7.23E-09	1.30E-10	-7.10E-09	1.08E-08	1.95E-10	-1.06E-08
4116	476863.09, 3855377.25	1.73E-07	3.12E-09	-1.70E-07	7.29E-09	1.31E-10	-7.16E-09	1.09E-08	1.97E-10	-1.07E-08
4117	477363.09, 3855377.25	1.81E-07	3.25E-09	-1.77E-07	7.59E-09	1.37E-10	-7.46E-09	1.14E-08	2.05E-10	-1.12E-08
4118	477863.09, 3855377.25	1.98E-07	3.56E-09	-1.94E-07	8.32E-09	1.50E-10	-8.17E-09	1.25E-08	2.24E-10	-1.22E-08
4119	478363.09, 3855377.25	2.16E-07	3.90E-09	-2.12E-07	9.10E-09	1.64E-10	-8.94E-09	1.36E-08	2.45E-10	-1.34E-08
4120	478863.09, 3855377.25	2.39E-07	4.31E-09	-2.35E-07	1.01E-08	1.81E-10	-9.88E-09	1.51E-08	2.71E-10	-1.48E-08
4121	479363.09, 3855377.25	2.78E-07	5.00E-09	-2.73E-07	1.17E-08	2.11E-10	-1.15E-08	1.75E-08	3.15E-10	-1.72E-08
4122	479863.09, 3855377.25	3.08E-07	5.55E-09	-3.02E-07	1.30E-08	2.33E-10	-1.27E-08	1.94E-08	3.49E-10	-1.91E-08
4123	480363.09, 3855377.25	3.42E-07	6.16E-09	-3.36E-07	1.44E-08	2.59E-10	-1.41E-08	2.16E-08	3.88E-10	-2.12E-08
4124	480863.09, 3855377.25	4.00E-07	7.20E-09	-3.93E-07	1.68E-08	3.03E-10	-1.65E-08	2.52E-08	4.53E-10	-2.47E-08
4125	481363.09, 3855377.25	4.91E-07	8.85E-09	-4.83E-07	2.07E-08	3.72E-10	-2.03E-08	3.10E-08	5.57E-10	-3.04E-08
4126	481863.09, 3855377.25	6.42E-07	1.16E-08	-6.30E-07	2.70E-08	4.86E-10	-2.65E-08	4.04E-08	7.28E-10	-3.97E-08
4127	482363.09, 3855377.25	8.73E-07	1.57E-08	-8.57E-07	3.67E-08	6.61E-10	-3.60E-08	5.50E-08	9.90E-10	-5.40E-08
4128	482863.09, 3855377.25	9.23E-07	1.66E-08	-9.06E-07	3.88E-08	6.99E-10	-3.81E-08	5.81E-08	1.05E-09	-5.71E-08
4129	483363.09, 3855377.25	1.01E-06	1.81E-08	-9.88E-07	4.23E-08	7.62E-10	-4.16E-08	6.34E-08	1.14E-09	-6.22E-08
4130	483863.09, 3855377.25	9.53E-07	1.72E-08	-9.36E-07	4.01E-08	7.22E-10	-3.94E-08	6.00E-08	1.08E-09	-5.89E-08
4131	484363.09, 3855377.25	6.59E-07	1.19E-08	-6.47E-07	2.77E-08	4.99E-10	-2.72E-08	4.15E-08	7.47E-10	-4.08E-08
4132	484863.09, 3855377.25	6.05E-07	1.09E-08	-5.94E-07	2.54E-08	4.58E-10	-2.50E-08	3.81E-08	6.86E-10	-3.74E-08
4133	485363.09, 3855377.25	5.53E-07	9.96E-09	-5.43E-07	2.33E-08	4.19E-10	-2.28E-08	3.48E-08	6.27E-10	-3.42E-08
4134	485863.09, 3855377.25	5.72E-07	1.03E-08	-5.61E-07	2.41E-08	4.33E-10	-2.36E-08	3.60E-08	6.48E-10	-3.54E-08
4135	486363.09, 3855377.25	5.49E-07	9.88E-09	-5.39E-07	2.31E-08	4.16E-10	-2.27E-08	3.46E-08	6.22E-10	-3.39E-08
4136	486863.09, 3855377.25	4.94E-07	8.90E-09	-4.85E-07	2.08E-08	3.74E-10	-2.04E-08	3.11E-08	5.61E-10	-3.06E-08
4137	487363.09, 3855377.25	5.13E-07	9.23E-09	-5.04E-07	2.16E-08	3.88E-10	-2.12E-08	3.23E-08	5.82E-10	-3.17E-08
4138	487863.09, 3855377.25	5.59E-07	1.01E-08	-5.49E-07	2.35E-08	4.23E-10	-2.31E-08	3.52E-08	6.34E-10	-3.46E-08
4139	488363.09, 3855377.25	6.16E-07	1.11E-08	-6.05E-07	2.59E-08	4.67E-10	-2.55E-08	3.88E-08	6.99E-10	-3.81E-08
4140	488863.09, 3855377.25	6.20E-07	1.12E-08	-6.09E-07	2.61E-08	4.70E-10	-2.56E-08	3.91E-08	7.04E-10	-3.84E-08
4141	489363.09, 3855377.25	5.56E-07	1.00E-08	-5.46E-07	2.34E-08	4.21E-10	-2.30E-08	3.50E-08	6.30E-10	-3.44E-08
4142	489863.09, 3855377.25	4.93E-07	8.87E-09	-4.84E-07	2.07E-08	3.73E-10	-2.04E-08	3.10E-08	5.59E-10	-3.05E-08
4143	490363.09, 3855377.25	4.60E-07	8.28E-09	-4.52E-07	1.93E-08	3.48E-10	-1.90E-08	2.90E-08	5.22E-10	-2.85E-08
4144	490863.09, 3855377.25	3.24E-07	5.83E-09	-3.18E-07	1.36E-08	2.45E-10	-1.34E-08	2.04E-08	3.67E-10	-2.00E-08
4145	491363.09, 3855377.25	2.92E-07	5.26E-09	-2.87E-07	1.23E-08	2.21E-10	-1.21E-08	1.84E-08	3.31E-10	-1.81E-08
4146	491863.09, 3855377.25	3.73E-07	6.71E-09	-3.66E-07	1.57E-08	2.82E-10	-1.54E-08	2.35E-08	4.22E-10	-2.30E-08
4147	492363.09, 3855377.25	3.90E-07	7.02E-09	-3.83E-07	1.64E-08	2.95E-10	-1.61E-08	2.45E-08	4.42E-10	-2.41E-08
4148	492863.09, 3855377.25	3.74E-07	6.73E-09	-3.67E-07	1.57E-08	2.83E-10	-1.54E-08	2.36E-08	4.24E-10	-2.31E-08
4149	493363.09, 3855377.25	3.40E-07	6.11E-09	-3.33E-07	1.43E-08	2.57E-10	-1.40E-08	2.14E-08	3.85E-10	-2.10E-08
4150	493863.09, 3855377.25	2.74E-07	4.93E-09	-2.69E-07	1.15E-08	2.07E-10	-1.13E-08	1.72E-08	3.10E-10	-1.69E-08
4151	494363.09, 3855377.25	2.28E-07	4.10E-09	-2.24E-07	9.58E-09	1.73E-10	-9.41E-09	1.44E-08	2.58E-10	-1.41E-08
4152	494863.09, 3855377.25	1.98E-07	3.56E-09	-1.94E-07	8.32E-09	1.50E-10	-8.17E-09	1.25E-08	2.24E-10	-1.22E-08
4153	495363.09, 3855377.25	1.73E-07	3.12E-09	-1.70E-07	7.29E-09	1.31E-10	-7.16E-09	1.09E-08	1.97E-10	-1.07E-08
4154	495863.09, 3855377.25	1.55E-07	2.79E-09	-1.52E-07	6.51E-09	1.17E-10	-6.39E-09	9.75E-09	1.75E-10	-9.57E-09
4155	496363.09, 3855377.25	1.50E-07	2.71E-09	-1.48E-07	6.33E-09	1.14E-10	-6.22E-09	9.48E-09	1.71E-10	-9.31E-09
4156	496863.09, 3855377.25	1.52E-07	2.73E-09	-1.49E-07	6.39E-09	1.15E-10	-6.27E-09	9.57E-09	1.72E-10	-9.40E-09
4157	497363.09, 3855377.25	1.56E-07	2.81E-09	-1.53E-07	6.57E-09	1.18E-10	-6.45E-09	9.84E-09	1.77E-10	-9.66E-09
4158	497863.09, 3855377.25	1.65E-07	2.97E-09	-1.62E-07	6.93E-09	1.25E-10	-6.81E-09	1.04E-08	1.87E-10	-1.02E-08
4159	498363.09, 3855377.25	1.83E-07	3.30E-09	-1.80E-07	7.72E-09	1.39E-10	-7.58E-09	1.16E-08	2.08E-10	-1.13E-08
4160	471363.09, 3855877.25	2.45E-07	4.41E-09	-2.41E-07	1.03E-08	1.86E-10	-1.01E-08	1.54E-08	2.78E-10	-1.52E-08
4161	471863.09, 3855877.25	2.48E-07	4.46E-09	-2.43E-07	1.04E-08	1.88E-10	-1.02E-08	1.56E-08	2.81E-10	-1.53E-08
4162	472363.09, 3855877.25	2.58E-07	4.64E-09	-2.53E-07	1.08E-08	1.95E-10	-1.07E-08	1.62E-08	2.92E-10	-1.60E-08
4163	472863.09, 3855877.25	2.58E-07	4.64E-09	-2.53E-07	1.08E-08	1.95E-10	-1.07E-08	1.62E-08	2.92E-10	-1.60E-08
4164	473363.09, 3855877.25	2.71E-07	4.88E-09	-2.66E-07	1.14E-08	2.05E-10	-1.12E-08	1.71E-08	3.07E-10	-1.68E-08
4165	473863.09, 3855877.25	2.81E-07	5.06E-09	-2.76E-07	1.18E-08	2.13E-10	-1.16E-08	1.77E-08	3.18E-10	-1.74E-08
4166	474363.09, 3855877.25	2.84E-07	5.11E-09	-2.79E-07	1.19E-08	2.15E-10	-1.17E-08	1.79E-08	3.22E-10	-1.75E-08
4167	474863.09, 3855877.25	2.52E-07	4.54E-09	-2.48E-07	1.06E-08	1.91E-10	-1.04E-08	1.59E-08	2.86E-10	-1.56E-08
4168	475363.09, 3855877.25	2.09E-07	3.77E-09	-2.05E-07	8.80E-09	1.58E-10	-8.64E-09	1.32E-08	2.37E-10	-1.29E-08
4169	475863.09, 3855877.25	1.66E-07	2.99E-09	-1.63E-07	6.99E-09	1.26E-10	-6.87E-09	1.05E-08	1.88E-10	-1.03E-08

4170	476363.09, 3855877.25	1.68E-07	3.02E-09	-1.65E-07	7.05E-09	1.27E-10	-6.93E-09	1.06E-08	1.90E-10	-1.04E-08
4171	476863.09, 3855877.25	1.85E-07	3.33E-09	-1.81E-07	7.78E-09	1.40E-10	-7.64E-09	1.16E-08	2.10E-10	-1.14E-08
4172	477363.09, 3855877.25	1.91E-07	3.43E-09	-1.87E-07	8.02E-09	1.44E-10	-7.87E-09	1.20E-08	2.16E-10	-1.18E-08
4173	477863.09, 3855877.25	1.99E-07	3.59E-09	-1.96E-07	8.38E-09	1.51E-10	-8.23E-09	1.25E-08	2.26E-10	-1.23E-08
4174	478363.09, 3855877.25	2.15E-07	3.87E-09	-2.11E-07	9.04E-09	1.63E-10	-8.88E-09	1.35E-08	2.44E-10	-1.33E-08
4175	478863.09, 3855877.25	2.41E-07	4.33E-09	-2.36E-07	1.01E-08	1.82E-10	-9.94E-09	1.52E-08	2.73E-10	-1.49E-08
4176	479363.09, 3855877.25	2.78E-07	5.00E-09	-2.73E-07	1.17E-08	2.11E-10	-1.15E-08	1.75E-08	3.15E-10	-1.72E-08
4177	479863.09, 3855877.25	3.27E-07	5.88E-09	-3.21E-07	1.37E-08	2.47E-10	-1.35E-08	2.06E-08	3.70E-10	-2.02E-08
4178	480363.09, 3855877.25	4.08E-07	7.35E-09	-4.01E-07	1.72E-08	3.09E-10	-1.69E-08	2.57E-08	4.63E-10	-2.53E-08
4179	480863.09, 3855877.25	5.13E-07	9.23E-09	-5.04E-07	2.16E-08	3.88E-10	-2.12E-08	3.23E-08	5.82E-10	-3.17E-08
4180	481363.09, 3855877.25	4.81E-07	8.67E-09	-4.73E-07	2.03E-08	3.65E-10	-1.99E-08	3.03E-08	5.46E-10	-2.98E-08
4181	481863.09, 3855877.25	7.01E-07	1.26E-08	-6.88E-07	2.95E-08	5.31E-10	-2.89E-08	4.41E-08	7.95E-10	-4.33E-08
4182	482363.09, 3855877.25	9.26E-07	1.67E-08	-9.09E-07	3.89E-08	7.01E-10	-3.82E-08	5.83E-08	1.05E-09	-5.73E-08
4183	482863.09, 3855877.25	9.36E-07	1.68E-08	-9.19E-07	3.94E-08	7.09E-10	-3.87E-08	5.89E-08	1.06E-09	-5.79E-08
4184	483363.09, 3855877.25	1.02E-06	1.84E-08	-1.00E-06	4.30E-08	7.74E-10	-4.22E-08	6.44E-08	1.16E-09	-6.32E-08
4185	483863.09, 3855877.25	1.12E-06	2.02E-08	-1.10E-06	4.73E-08	8.52E-10	-4.65E-08	7.09E-08	1.28E-09	-6.96E-08
4186	484363.09, 3855877.25	1.00E-06	1.81E-08	-9.86E-07	4.23E-08	7.61E-10	-4.15E-08	6.33E-08	1.14E-09	-6.21E-08
4187	484863.09, 3855877.25	8.54E-07	1.54E-08	-8.39E-07	3.59E-08	6.47E-10	-3.53E-08	5.38E-08	9.68E-10	-5.28E-08
4188	485363.09, 3855877.25	7.67E-07	1.38E-08	-7.53E-07	3.22E-08	5.81E-10	-3.17E-08	4.83E-08	8.69E-10	-4.74E-08
4189	485863.09, 3855877.25	6.46E-07	1.16E-08	-6.35E-07	2.72E-08	4.89E-10	-2.67E-08	4.07E-08	7.33E-10	-4.00E-08
4190	486363.09, 3855877.25	6.02E-07	1.08E-08	-5.91E-07	2.53E-08	4.56E-10	-2.49E-08	3.79E-08	6.82E-10	-3.72E-08
4191	486863.09, 3855877.25	6.26E-07	1.13E-08	-6.15E-07	2.63E-08	4.74E-10	-2.59E-08	3.94E-08	7.10E-10	-3.87E-08
4192	487363.09, 3855877.25	6.69E-07	1.20E-08	-6.57E-07	2.81E-08	5.07E-10	-2.76E-08	4.22E-08	7.59E-10	-4.14E-08
4193	487863.09, 3855877.25	6.88E-07	1.24E-08	-6.75E-07	2.89E-08	5.21E-10	-2.84E-08	4.33E-08	7.80E-10	-4.25E-08
4194	488363.09, 3855877.25	7.44E-07	1.34E-08	-7.30E-07	3.13E-08	5.63E-10	-3.07E-08	4.68E-08	8.43E-10	-4.60E-08
4195	488863.09, 3855877.25	8.14E-07	1.47E-08	-7.99E-07	3.42E-08	6.16E-10	-3.36E-08	5.13E-08	9.23E-10	-5.03E-08
4196	489363.09, 3855877.25	7.99E-07	1.44E-08	-7.85E-07	3.36E-08	6.06E-10	-3.30E-08	5.04E-08	9.07E-10	-4.95E-08
4197	489863.09, 3855877.25	7.01E-07	1.26E-08	-6.88E-07	2.95E-08	5.31E-10	-2.89E-08	4.41E-08	7.95E-10	-4.33E-08
4198	490363.09, 3855877.25	6.38E-07	1.15E-08	-6.26E-07	2.68E-08	4.83E-10	-2.63E-08	4.02E-08	7.23E-10	-3.94E-08
4199	490863.09, 3855877.25	5.36E-07	9.65E-09	-5.26E-07	2.25E-08	4.06E-10	-2.21E-08	3.38E-08	6.08E-10	-3.31E-08
4200	491363.09, 3855877.25	4.27E-07	7.69E-09	-4.19E-07	1.80E-08	3.23E-10	-1.76E-08	2.69E-08	4.84E-10	-2.64E-08
4201	491863.09, 3855877.25	4.63E-07	8.33E-09	-4.54E-07	1.95E-08	3.51E-10	-1.91E-08	2.92E-08	5.25E-10	-2.86E-08
4202	492363.09, 3855877.25	4.43E-07	7.97E-09	-4.35E-07	1.86E-08	3.35E-10	-1.83E-08	2.79E-08	5.02E-10	-2.74E-08
4203	492863.09, 3855877.25	4.21E-07	7.58E-09	-4.14E-07	1.77E-08	3.19E-10	-1.74E-08	2.65E-08	4.78E-10	-2.61E-08
4204	493363.09, 3855877.25	3.48E-07	6.27E-09	-3.42E-07	1.46E-08	2.64E-10	-1.44E-08	2.19E-08	3.95E-10	-2.15E-08
4205	493863.09, 3855877.25	2.87E-07	5.16E-09	-2.81E-07	1.21E-08	2.17E-10	-1.18E-08	1.81E-08	3.25E-10	-1.77E-08
4206	494363.09, 3855877.25	2.35E-07	4.23E-09	-2.31E-07	9.89E-09	1.78E-10	-9.71E-09	1.48E-08	2.66E-10	-1.45E-08
4207	494863.09, 3855877.25	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
4208	495363.09, 3855877.25	1.72E-07	3.10E-09	-1.69E-07	7.23E-09	1.30E-10	-7.10E-09	1.08E-08	1.95E-10	-1.06E-08
4209	495863.09, 3855877.25	1.63E-07	2.94E-09	-1.60E-07	6.87E-09	1.24E-10	-6.75E-09	1.03E-08	1.85E-10	-1.01E-08
4210	496363.09, 3855877.25	1.66E-07	2.99E-09	-1.63E-07	6.99E-09	1.26E-10	-6.87E-09	1.05E-08	1.88E-10	-1.03E-08
4211	496863.09, 3855877.25	1.73E-07	3.12E-09	-1.70E-07	7.29E-09	1.31E-10	-7.16E-09	1.09E-08	1.97E-10	-1.07E-08
4212	497363.09, 3855877.25	1.82E-07	3.28E-09	-1.79E-07	7.66E-09	1.38E-10	-7.52E-09	1.15E-08	2.06E-10	-1.13E-08
4213	497863.09, 3855877.25	1.99E-07	3.59E-09	-1.96E-07	8.38E-09	1.51E-10	-8.23E-09	1.25E-08	2.26E-10	-1.23E-08
4214	498363.09, 3855877.25	2.36E-07	4.26E-09	-2.32E-07	9.95E-09	1.79E-10	-9.77E-09	1.49E-08	2.68E-10	-1.46E-08
4215	471363.09, 3856377.25	2.45E-07	4.41E-09	-2.41E-07	1.03E-08	1.86E-10	-1.01E-08	1.54E-08	2.78E-10	-1.52E-08
4216	471863.09, 3856377.25	2.52E-07	4.54E-09	-2.48E-07	1.06E-08	1.91E-10	-1.04E-08	1.59E-08	2.86E-10	-1.56E-08
4217	472363.09, 3856377.25	2.65E-07	4.77E-09	-2.60E-07	1.12E-08	2.01E-10	-1.10E-08	1.67E-08	3.01E-10	-1.64E-08
4218	472863.09, 3856377.25	2.81E-07	5.06E-09	-2.76E-07	1.18E-08	2.13E-10	-1.16E-08	1.77E-08	3.18E-10	-1.74E-08
4219	473363.09, 3856377.25	2.91E-07	5.24E-09	-2.86E-07	1.22E-08	2.20E-10	-1.20E-08	1.83E-08	3.30E-10	-1.80E-08
4220	473863.09, 3856377.25	3.08E-07	5.55E-09	-3.02E-07	1.30E-08	2.33E-10	-1.27E-08	1.94E-08	3.49E-10	-1.91E-08
4221	474363.09, 3856377.25	2.97E-07	5.34E-09	-2.91E-07	1.25E-08	2.25E-10	-1.23E-08	1.87E-08	3.36E-10	-1.83E-08
4222	474863.09, 3856377.25	2.78E-07	5.00E-09	-2.73E-07	1.17E-08	2.11E-10	-1.15E-08	1.75E-08	3.15E-10	-1.72E-08
4223	475363.09, 3856377.25	2.49E-07	4.49E-09	-2.45E-07	1.05E-08	1.89E-10	-1.03E-08	1.57E-08	2.83E-10	-1.54E-08
4224	475863.09, 3856377.25	2.28E-07	4.10E-09	-2.24E-07	9.58E-09	1.73E-10	-9.41E-09	1.44E-08	2.58E-10	-1.41E-08
4225	476363.09, 3856377.25	2.24E-07	4.02E-09	-2.19E-07	9.40E-09	1.69E-10	-9.23E-09	1.41E-08	2.53E-10	-1.38E-08
4226	476863.09, 3856377.25	2.22E-07	4.00E-09	-2.18E-07	9.34E-09	1.68E-10	-9.17E-09	1.40E-08	2.52E-10	-1.37E-08
4227	477363.09, 3856377.25	2.22E-07	4.00E-09	-2.18E-07	9.34E-09	1.68E-10	-9.17E-09	1.40E-08	2.52E-10	-1.37E-08
4228	477863.09, 3856377.25	2.06E-07	3.71E-09	-2.03E-07	8.68E-09	1.56E-10	-8.52E-09	1.30E-08	2.34E-10	-1.28E-08
4229	478363.09, 3856377.25	1.99E-07	3.59E-09	-1.96E-07	8.38E-09	1.51E-10	-8.23E-09	1.25E-08	2.26E-10	-1.23E-08
4230	478863.09, 3856377.25	2.28E-07	4.10E-09	-2.24E-07	9.58E-09	1.73E-10	-9.41E-09	1.44E-08	2.58E-10	-1.41E-08
4231	479363.09, 3856377.25	2.44E-07	4.39E-09	-2.39E-07	1.02E-08	1.84E-10	-1.01E-08	1.53E-08	2.76E-10	-1.51E-08
4232	479863.09, 3856377.25	2.88E-07	5.18E-09	-2.83E-07	1.21E-08	2.18E-10	-1.19E-08	1.81E-08	3.27E-10	-1.78E-08
4233	480363.09, 3856377.25	3.60E-07	6.47E-09	-3.53E-07	1.51E-08	2.72E-10	-1.49E-08	2.27E-08	4.08E-10	-2.22E-08
4234	480863.09, 3856377.25	4.73E-07	8.51E-09	-4.64E-07	1.99E-08	3.58E-10	-1.95E-08	2.98E-08	5.36E-10	-2.92E-08
4235	481363.09, 3856377.25	6.46E-07	1.16E-08	-6.35E-07	2.72E-08	4.89E-10	-2.67E-08	4.07E-08	7.33E-10	-4.00E-08
4236	481863.09, 3856377.25	9.44E-07	1.70E-08	-9.27E-07	3.97E-08	7.15E-10	-3.90E-08	5.95E-08	1.07E-09	-5.84E-08
4237	482363.09, 3856377.25	1.19E-06	2.14E-08	-1.17E-06	5.01E-08	9.02E-10	-4.92E-08	7.50E-08	1.35E-09	-7.37E-08
4238	482863.09, 3856377.25	1.14E-06	2.05E-08	-1.12E-06	4.78E-08	8.61E-10	-4.69E-08	7.16E-08	1.29E-09	-7.03E-08
4239	483363.09, 3856377.25	1.10E-06	1.98E-08	-1.08E-06	4.62E-08	8.31E-10	-4.53E-08	6.91E-08	1.24E-09	-6.79E-08
4240	483863.09, 3856377.25	1.11E-06	1.99E-08	-1.09E-06	4.65E-08	8.38E-10	-4.57E-08	6.97E-08	1.25E-09	-6.84E-08
4241	484363.09, 3856377.25	1.22E-06	2.19E-08	-1.19E-06	5.12E-08	9.21E-10	-5.03E-08	7.66E-08	1.38E-09	-7.52E-08
4242	484863.09, 3856377.25	1.27E-06	2.28E-08	-1.25E-06	5.33E-08	9.60E-10	-5.24E-08	7.99E-08	1.44E-09	-7.84E-08
4243	485363.09, 3856377.25	1.07E-06	1.93E-08	-1.05E-06	4.50E-08	8.11E-10	-4.42E-08	6.74E-08	1.21E-09	-6.62E-08
4244	485863.09, 3856377.25	9.13E-07	1.64E-08	-8.96E-07	3.84E-08	6.91E-10	-3.77E-08	5.75E-08	1.04E-09	-5.65E-08
4245	486363.09, 3856377.25	6.75E-07	1.21E-08	-6.63E-07	2.84E-08	5.11E-10	-2.79E-08	4.25E-08	7.65E-10	-4.17E-08
4246	486863.09, 3856377.25	6.86E-07	1.24E-08	-6.74E-07	2.89E-08	5.20E-10	-2.84E-08	4.32E-08	7.78E-10	-4.25E-08
4247	487363.09, 3856377.25	7.89E-07	1.42E-08	-7.75E-07	3.32E-08	5.98E-10	-3.26E-08	4.97E-08	8.95E-10	-4.88E-08
4248	487863.09, 3856377.25	9.21E-07	1.66E-08	-9.05E-07	3.88E-08	6.98E-10	-3.81E-08	5.80E-08	1.04E-09	-5.70E-08
4249	488363.09, 3856377.25	9.33E-07	1.68E-08	-9.16E-07	3.92E-08	7.06E-10	-3.85E-08	5.88E-08	1.06E-09	-5.77E-08
4250	488863.09, 3856377.25	1.00E-06	1.80E-08	-9.82E-07	4.21E-08	7.57E-10	-4.13E-08	6.30E-08	1.13E-09	-6.19E-08
4251	489363.09, 3856377.25	1.07E-06	1.93E-08	-1.05E-06	4.50E-08	8.11E-10	-4.42E-08	6.74E-08	1.21E-09	-6.62E-08
4252	489863.09, 3856377.25	1.05E-06	1.90E-08	-1.04E-06	4.44E-08	7.99E-10	-4.36E-08	6.64E-08	1.20E-09	-6.52E-08
4253	490363.09, 3856377.25	8.71E-07	1.57E-08	-8.55E-07	3.66E-08	6.60E-10	-3.60E-08	5.49E-08	9.88E-10	-5.39E-08
4254	490863.09, 3856377.25	7.28E-07	1.31E-08	-7.15E-07	3.06E-08	5.51E-10	-3.01E-08	4.59E-08	8.25E-10	-4.50E-08
4255	491363.09, 3856377.25	6.71E-07	1.21E-08	-6.58E-07	2.82E-08	5.08E-10	-2.77E-08	4.22E-08	7.60E-10	-4.15E-08
4256	491863.09, 3856377.25	5.77E-07	1.04E-08	-5.67E-07	2.43E-08	4.37E-10	-2.39E-08	3.64E-08	6.55E-10	-3.57E-08
4257	492363.09, 3856377.25	4.93E-07	8.87E-09	-4.84E-07	2.07E-08	3.73E-10	-2.04E-08	3.10E-08	5.59E-10	-3.05E-08
4258	492863.09, 3856377.25	4.23E-07	7.61E-09	-4.15E-07	1.78E-08	3.20E-10	-1.75E-08	2.66E-08	4.79E-10	-2.61E-08
4259	493363.09, 3856377.25	3.37E-07	6.06E-09	-3.31E-07	1.42E-08	2.55E-10	-1.39E-08	2.12E-08	3.82E-10	-2.08E-08
4260	493863.09, 3856377.25	2.99E-07	5.39E-09	-2.94E-07	1.26E-08	2.27E-10	-1.24E-08	1.89E-08	3.40E-10	-1.85E-08
4261	494363.09, 3856377.25	2.52E-07	4.54E-09	-2.48E-07	1.06E-08	1.91E-10	-1.04E-08	1.59E-08	2.86E-10	-1.56E-08
4262	494863.09, 3856377.25	2.18E-07	3.92E-09	-2.14E-07	9.16E-09	1.65E-10	-9.00E-09	1.37E-08	2.47E-10	-1.35E-08
4263	495363.09, 3856377.25	1.93E-07	3.48E-09	-1.90E-07	8.14E-09	1.46E-10	-7.99E-09	1.22E-08	2.19E-10	-1.20E-08
4264	495863.09, 3856377.25	1.86E-07	3.35E-09	-1.83E-07	7.84E-09	1.41E-10	-7.69E-09	1.17E-08	2.11E-10	-1.15E-08
4265	496363.09, 3856377.25	1.91E-07	3.43E-09	-1.87E-07	8.02E-09	1.44E-10	-7.87E-09	1.20E-08	2.16E-10	-1.18E-08
4266	496863.09, 3856377.25	2.03E-07	3.66E-09	-2.00E-07	8.56E-09	1.54E-10	-8.41E-09	1.28E-08	2.31E-10	-1.26E-08
4267	497363.09, 3856377.25	2.22E-07	4.00E-09	-2.18E-07	9.34E-09	1.68E-10	-9.17E-09	1.40E-08	2.52E-10	-1.37E-08
4268	497863.09, 3856377.25	2.52E-07	4.54E-09	-2.48E-07	1.06E-08	1.91E-10	-1.04E-08	1.59E-08	2.86E-10	-1.56E-08
4269	498363.09, 3856377.25	3.05E-07	5.49E-09	-3.00E-07	1.28E-08	2.31E-10	-1.26E-08	1.92E-08	3.46E-10	-1.89E-08
4270	471363.09, 3856877.25	2.39E-07	4.31E-09	-2.35E-07	1.01E-08	1.81E-10	-9.88E-09	1.51E-08	2.71E-10	-1.48E-08
4271	471863.09, 3856877.25	2.45E-07	4.41E-09	-2.41E-07	1.03E-08	1.86E-10	-1.01E-08	1.54E-08	2.78E-10	-1.52E-08
4272	472363.09, 3856877.25	2.59E-07	4.67E-09	-2.55E-07	1.09E-08	1.96E-10	-1.07E-08	1.63E-08	2.94E-10	-1.60E-08
4273	472863.09, 3856877.25	2.72E-07	4.90E-09	-2.67E-07	1.15E-08	2.06E-10	-1.12E-08	1.71E-08	3.09E-10	-1.68E-08
4274	473363.09, 3856877.25	2.99E-07	5.39E-09	-2.94E-07	1.26E-08	2.27E-10	-1.24E-08	1.89E-08	3.40E-10	-1.85E-08
4275	473863.09, 3856877.25	3.15E-07	5.67E-09	-3.10E-07	1.33E-08	2.39E-10	-1.30E-08	1.99E-08	3.57E-10	-1.95E-08
4276	474363.09, 3856877.25	3.07E-07	5.52E-09	-3.01E-07	1.29E-08	2.32E-10	-1.27E-08	1.93E-08	3.48E-10	-1.90E-08

4277	474863.09, 3856877.25	2.89E-07	5.21E-09	-2.84E-07	1.22E-08	2.19E-10	-1.20E-08	1.82E-08	3.28E-10	-1.79E-08
4278	475363.09, 3856877.25	2.71E-07	4.88E-09	-2.66E-07	1.14E-08	2.05E-10	-1.12E-08	1.71E-08	3.07E-10	-1.68E-08
4279	475863.09, 3856877.25	2.65E-07	4.77E-09	-2.60E-07	1.12E-08	2.01E-10	-1.10E-08	1.67E-08	3.01E-10	-1.64E-08
4280	476363.09, 3856877.25	2.55E-07	4.59E-09	-2.50E-07	1.07E-08	1.93E-10	-1.05E-08	1.61E-08	2.89E-10	-1.58E-08
4281	476863.09, 3856877.25	2.56E-07	4.62E-09	-2.52E-07	1.08E-08	1.94E-10	-1.06E-08	1.62E-08	2.91E-10	-1.59E-08
4282	477363.09, 3856877.25	2.51E-07	4.51E-09	-2.46E-07	1.05E-08	1.90E-10	-1.04E-08	1.58E-08	2.84E-10	-1.55E-08
4283	477863.09, 3856877.25	2.29E-07	4.13E-09	-2.25E-07	9.64E-09	1.74E-10	-9.47E-09	1.44E-08	2.60E-10	-1.42E-08
4284	478363.09, 3856877.25	2.19E-07	3.95E-09	-2.15E-07	9.22E-09	1.66E-10	-9.06E-09	1.38E-08	2.49E-10	-1.36E-08
4285	478863.09, 3856877.25	2.31E-07	4.15E-09	-2.27E-07	9.70E-09	1.75E-10	-9.53E-09	1.45E-08	2.62E-10	-1.43E-08
4286	479363.09, 3856877.25	2.42E-07	4.36E-09	-2.38E-07	1.02E-08	1.83E-10	-1.00E-08	1.53E-08	2.75E-10	-1.50E-08
4287	479863.09, 3856877.25	3.04E-07	5.47E-09	-2.98E-07	1.28E-08	2.30E-10	-1.25E-08	1.91E-08	3.44E-10	-1.88E-08
4288	480363.09, 3856877.25	3.47E-07	6.24E-09	-3.40E-07	1.46E-08	2.63E-10	-1.43E-08	2.18E-08	3.93E-10	-2.14E-08
4289	480863.09, 3856877.25	4.14E-07	7.45E-09	-4.07E-07	1.74E-08	3.14E-10	-1.71E-08	2.61E-08	4.70E-10	-2.56E-08
4290	481363.09, 3856877.25	5.22E-07	9.39E-09	-5.12E-07	2.19E-08	3.95E-10	-2.15E-08	3.29E-08	5.91E-10	-3.23E-08
4291	481863.09, 3856877.25	6.68E-07	1.20E-08	-6.56E-07	2.81E-08	5.06E-10	-2.76E-08	4.21E-08	7.57E-10	-4.13E-08
4292	482363.09, 3856877.25	1.12E-06	2.01E-08	-1.10E-06	4.71E-08	8.48E-10	-4.62E-08	7.05E-08	1.27E-09	-6.92E-08
4293	482863.09, 3856877.25	1.36E-06	2.44E-08	-1.33E-06	5.70E-08	1.03E-09	-5.60E-08	8.54E-08	1.54E-09	-8.38E-08
4294	483363.09, 3856877.25	1.42E-06	2.56E-08	-1.40E-06	5.98E-08	1.08E-09	-5.87E-08	8.95E-08	1.61E-09	-8.79E-08
4295	483863.09, 3856877.25	1.38E-06	2.48E-08	-1.35E-06	5.79E-08	1.04E-09	-5.69E-08	8.67E-08	1.56E-09	-8.52E-08
4296	484363.09, 3856877.25	1.30E-06	2.34E-08	-1.28E-06	5.47E-08	9.85E-10	-5.37E-08	8.20E-08	1.48E-09	-8.05E-08
4297	484863.09, 3856877.25	1.34E-06	2.42E-08	-1.32E-06	5.65E-08	1.02E-09	-5.55E-08	8.47E-08	1.52E-09	-8.31E-08
4298	485363.09, 3856877.25	1.31E-06	2.36E-08	-1.28E-06	5.50E-08	9.91E-10	-5.40E-08	8.24E-08	1.48E-09	-8.09E-08
4299	485863.09, 3856877.25	1.22E-06	2.19E-08	-1.20E-06	5.12E-08	9.22E-10	-5.03E-08	7.67E-08	1.38E-09	-7.53E-08
4300	486363.09, 3856877.25	7.97E-07	1.43E-08	-7.82E-07	3.35E-08	6.03E-10	-3.29E-08	5.02E-08	9.03E-10	-4.93E-08
4301	486863.09, 3856877.25	8.47E-07	1.52E-08	-8.32E-07	3.56E-08	6.41E-10	-3.50E-08	5.33E-08	9.60E-10	-5.24E-08
4302	487363.09, 3856877.25	9.04E-07	1.63E-08	-8.88E-07	3.80E-08	6.85E-10	-3.73E-08	5.70E-08	1.03E-09	-5.59E-08
4303	487863.09, 3856877.25	1.01E-06	1.82E-08	-9.95E-07	4.26E-08	7.67E-10	-4.18E-08	6.38E-08	1.15E-09	-6.27E-08
4304	488363.09, 3856877.25	1.23E-06	2.21E-08	-1.21E-06	5.17E-08	9.31E-10	-5.08E-08	7.74E-08	1.39E-09	-7.60E-08
4305	488863.09, 3856877.25	1.28E-06	2.31E-08	-1.26E-06	5.39E-08	9.71E-10	-5.30E-08	8.08E-08	1.45E-09	-7.93E-08
4306	489363.09, 3856877.25	1.34E-06	2.41E-08	-1.32E-06	5.64E-08	1.02E-09	-5.54E-08	8.45E-08	1.52E-09	-8.30E-08
4307	489863.09, 3856877.25	1.35E-06	2.44E-08	-1.33E-06	5.69E-08	1.02E-09	-5.59E-08	8.52E-08	1.53E-09	-8.37E-08
4308	490363.09, 3856877.25	1.22E-06	2.20E-08	-1.20E-06	5.15E-08	9.27E-10	-5.05E-08	7.71E-08	1.39E-09	-7.57E-08
4309	490863.09, 3856877.25	9.94E-07	1.79E-08	-9.76E-07	4.18E-08	7.53E-10	-4.11E-08	6.26E-08	1.13E-09	-6.15E-08
4310	491363.09, 3856877.25	8.17E-07	1.47E-08	-8.02E-07	3.44E-08	6.19E-10	-3.37E-08	5.14E-08	9.26E-10	-5.05E-08
4311	491863.09, 3856877.25	7.15E-07	1.29E-08	-7.02E-07	3.01E-08	5.42E-10	-2.95E-08	4.50E-08	8.11E-10	-4.42E-08
4312	492363.09, 3856877.25	5.10E-07	9.18E-09	-5.01E-07	2.15E-08	3.86E-10	-2.11E-08	3.21E-08	5.78E-10	-3.16E-08
4313	492863.09, 3856877.25	4.47E-07	8.05E-09	-4.39E-07	1.88E-08	3.39E-10	-1.85E-08	2.82E-08	5.07E-10	-2.77E-08
4314	493363.09, 3856877.25	3.87E-07	6.96E-09	-3.80E-07	1.63E-08	2.93E-10	-1.60E-08	2.44E-08	4.39E-10	-2.39E-08
4315	493863.09, 3856877.25	3.28E-07	5.91E-09	-3.22E-07	1.38E-08	2.49E-10	-1.36E-08	2.07E-08	3.72E-10	-2.03E-08
4316	494363.09, 3856877.25	2.77E-07	4.98E-09	-2.72E-07	1.16E-08	2.09E-10	-1.14E-08	1.74E-08	3.14E-10	-1.71E-08
4317	494863.09, 3856877.25	2.52E-07	4.54E-09	-2.48E-07	1.06E-08	1.91E-10	-1.04E-08	1.59E-08	2.86E-10	-1.56E-08
4318	495363.09, 3856877.25	2.36E-07	4.26E-09	-2.32E-07	9.95E-09	1.79E-10	-9.77E-09	1.49E-08	2.68E-10	-1.46E-08
4319	495863.09, 3856877.25	2.31E-07	4.15E-09	-2.27E-07	9.70E-09	1.75E-10	-9.53E-09	1.45E-08	2.62E-10	-1.43E-08
4320	496363.09, 3856877.25	2.36E-07	4.26E-09	-2.32E-07	9.95E-09	1.79E-10	-9.77E-09	1.49E-08	2.68E-10	-1.46E-08
4321	496863.09, 3856877.25	2.54E-07	4.57E-09	-2.49E-07	1.07E-08	1.92E-10	-1.05E-08	1.60E-08	2.88E-10	-1.57E-08
4322	497363.09, 3856877.25	2.78E-07	5.00E-09	-2.73E-07	1.17E-08	2.11E-10	-1.15E-08	1.75E-08	3.15E-10	-1.72E-08
4323	497863.09, 3856877.25	3.34E-07	6.01E-09	-3.28E-07	1.40E-08	2.53E-10	-1.38E-08	2.10E-08	3.79E-10	-2.07E-08
4324	498363.09, 3856877.25	4.17E-07	7.51E-09	-4.09E-07	1.75E-08	3.16E-10	-1.72E-08	2.63E-08	4.73E-10	-2.58E-08
4325	471363.09, 3857377.25	2.12E-07	3.82E-09	-2.08E-07	8.92E-09	1.61E-10	-8.76E-09	1.34E-08	2.40E-10	-1.31E-08
4326	471863.09, 3857377.25	2.22E-07	4.00E-09	-2.18E-07	9.34E-09	1.68E-10	-9.17E-09	1.40E-08	2.52E-10	-1.37E-08
4327	472363.09, 3857377.25	2.38E-07	4.28E-09	-2.34E-07	1.00E-08	1.80E-10	-9.83E-09	1.50E-08	2.70E-10	-1.47E-08
4328	472863.09, 3857377.25	2.56E-07	4.62E-09	-2.52E-07	1.08E-08	1.94E-10	-1.06E-08	1.62E-08	2.91E-10	-1.59E-08
4329	473363.09, 3857377.25	2.79E-07	5.03E-09	-2.74E-07	1.18E-08	2.12E-10	-1.15E-08	1.76E-08	3.17E-10	-1.73E-08
4330	473863.09, 3857377.25	3.08E-07	5.55E-09	-3.02E-07	1.30E-08	2.33E-10	-1.27E-08	1.94E-08	3.49E-10	-1.91E-08
4331	474363.09, 3857377.25	2.91E-07	5.24E-09	-2.86E-07	1.22E-08	2.20E-10	-1.20E-08	1.83E-08	3.30E-10	-1.80E-08
4332	474863.09, 3857377.25	2.54E-07	4.57E-09	-2.49E-07	1.07E-08	1.92E-10	-1.05E-08	1.60E-08	2.88E-10	-1.57E-08
4333	475363.09, 3857377.25	2.28E-07	4.10E-09	-2.24E-07	9.58E-09	1.73E-10	-9.41E-09	1.44E-08	2.58E-10	-1.41E-08
4334	475863.09, 3857377.25	2.28E-07	4.10E-09	-2.24E-07	9.58E-09	1.73E-10	-9.41E-09	1.44E-08	2.58E-10	-1.41E-08
4335	476363.09, 3857377.25	2.54E-07	4.57E-09	-2.49E-07	1.07E-08	1.92E-10	-1.05E-08	1.60E-08	2.88E-10	-1.57E-08
4336	476863.09, 3857377.25	2.66E-07	4.80E-09	-2.62E-07	1.12E-08	2.02E-10	-1.10E-08	1.68E-08	3.02E-10	-1.65E-08
4337	477363.09, 3857377.25	2.56E-07	4.62E-09	-2.52E-07	1.08E-08	1.94E-10	-1.06E-08	1.62E-08	2.91E-10	-1.59E-08
4338	477863.09, 3857377.25	2.42E-07	4.36E-09	-2.38E-07	1.02E-08	1.83E-10	-1.00E-08	1.53E-08	2.75E-10	-1.50E-08
4339	478363.09, 3857377.25	2.31E-07	4.15E-09	-2.27E-07	9.70E-09	1.75E-10	-9.53E-09	1.45E-08	2.62E-10	-1.43E-08
4340	478863.09, 3857377.25	2.26E-07	4.08E-09	-2.22E-07	9.52E-09	1.71E-10	-9.35E-09	1.43E-08	2.57E-10	-1.40E-08
4341	479363.09, 3857377.25	2.58E-07	4.64E-09	-2.53E-07	1.08E-08	1.95E-10	-1.07E-08	1.62E-08	2.92E-10	-1.60E-08
4342	479863.09, 3857377.25	3.44E-07	6.19E-09	-3.38E-07	1.45E-08	2.60E-10	-1.42E-08	2.17E-08	3.90E-10	-2.13E-08
4343	480363.09, 3857377.25	3.11E-07	5.60E-09	-3.05E-07	1.31E-08	2.35E-10	-1.28E-08	1.96E-08	3.53E-10	-1.92E-08
4344	480863.09, 3857377.25	5.10E-07	9.18E-09	-5.01E-07	2.15E-08	3.86E-10	-2.11E-08	3.21E-08	5.78E-10	-3.16E-08
4345	481363.09, 3857377.25	5.01E-07	9.03E-09	-4.92E-07	2.11E-08	3.80E-10	-2.07E-08	3.16E-08	5.69E-10	-3.10E-08
4346	481863.09, 3857377.25	5.40E-07	9.72E-09	-5.30E-07	2.27E-08	4.09E-10	-2.23E-08	3.40E-08	6.13E-10	-3.34E-08
4347	482363.09, 3857377.25	7.45E-07	1.34E-08	-7.32E-07	3.13E-08	5.64E-10	-3.08E-08	4.69E-08	8.45E-10	-4.61E-08
4348	482863.09, 3857377.25	9.80E-07	1.76E-08	-9.62E-07	4.12E-08	7.42E-10	-4.05E-08	6.17E-08	1.11E-09	-6.06E-08
4349	483363.09, 3857377.25	1.25E-06	2.25E-08	-1.23E-06	5.25E-08	9.45E-10	-5.16E-08	7.86E-08	1.42E-09	-7.72E-08
4350	483863.09, 3857377.25	1.50E-06	2.71E-08	-1.48E-06	6.32E-08	1.14E-09	-6.21E-08	9.47E-08	1.70E-09	-9.30E-08
4351	484363.09, 3857377.25	1.67E-06	3.00E-08	-1.64E-06	7.02E-08	1.26E-09	-6.89E-08	1.05E-07	1.89E-09	-1.03E-07
4352	484863.09, 3857377.25	1.67E-06	3.02E-08	-1.64E-06	7.05E-08	1.27E-09	-6.92E-08	1.06E-07	1.90E-09	-1.04E-07
4353	485363.09, 3857377.25	1.63E-06	2.94E-08	-1.60E-06	6.86E-08	1.23E-09	-6.74E-08	1.03E-07	1.85E-09	-1.01E-07
4354	485863.09, 3857377.25	1.66E-06	2.98E-08	-1.63E-06	6.97E-08	1.25E-09	-6.84E-08	1.04E-07	1.88E-09	-1.02E-07
4355	486363.09, 3857377.25	1.26E-06	2.27E-08	-1.24E-06	5.30E-08	9.55E-10	-5.21E-08	7.94E-08	1.43E-09	-7.80E-08
4356	486863.09, 3857377.25	9.76E-07	1.76E-08	-9.58E-07	4.10E-08	7.39E-10	-4.03E-08	6.15E-08	1.11E-09	-6.04E-08
4357	487363.09, 3857377.25	1.11E-06	2.00E-08	-1.09E-06	4.68E-08	8.42E-10	-4.59E-08	7.00E-08	1.26E-09	-6.88E-08
4358	487863.09, 3857377.25	1.27E-06	2.28E-08	-1.24E-06	5.32E-08	9.58E-10	-5.23E-08	7.97E-08	1.43E-09	-7.83E-08
4359	488363.09, 3857377.25	1.38E-06	2.48E-08	-1.35E-06	5.80E-08	1.04E-09	-5.69E-08	8.68E-08	1.56E-09	-8.53E-08
4360	488863.09, 3857377.25	1.58E-06	2.84E-08	-1.55E-06	6.64E-08	1.19E-09	-6.52E-08	9.94E-08	1.79E-09	-9.76E-08
4361	489363.09, 3857377.25	1.70E-06	3.07E-08	-1.67E-06	7.17E-08	1.29E-09	-7.04E-08	1.07E-07	1.93E-09	-1.05E-07
4362	489863.09, 3857377.25	1.57E-06	2.82E-08	-1.54E-06	6.59E-08	1.19E-09	-6.48E-08	9.87E-08	1.78E-09	-9.70E-08
4363	490363.09, 3857377.25	1.46E-06	2.62E-08	-1.43E-06	6.12E-08	1.10E-09	-6.01E-08	9.17E-08	1.65E-09	-9.01E-08
4364	490863.09, 3857377.25	1.37E-06	2.47E-08	-1.35E-06	5.76E-08	1.04E-09	-5.66E-08	8.63E-08	1.55E-09	-8.47E-08
4365	491363.09, 3857377.25	1.14E-06	2.05E-08	-1.12E-06	4.78E-08	8.61E-10	-4.69E-08	7.16E-08	1.29E-09	-7.03E-08
4366	491863.09, 3857377.25	8.47E-07	1.52E-08	-8.32E-07	3.56E-08	6.41E-10	-3.50E-08	5.33E-08	9.60E-10	-5.24E-08
4367	492363.09, 3857377.25	5.77E-07	1.04E-08	-5.67E-07	2.43E-08	4.37E-10	-2.39E-08	3.64E-08	6.55E-10	-3.57E-08
4368	492863.09, 3857377.25	4.79E-07	8.62E-09	-4.70E-07	2.01E-08	3.62E-10	-1.98E-08	3.01E-08	5.43E-10	-2.96E-08
4369	493363.09, 3857377.25	4.07E-07	7.33E-09	-4.00E-07	1.71E-08	3.08E-10	-1.68E-08	2.56E-08	4.61E-10	-2.52E-08
4370	493863.09, 3857377.25	3.75E-07	6.76E-09	-3.69E-07	1.58E-08	2.84E-10	-1.55E-08	2.36E-08	4.26E-10	-2.32E-08
4371	494363.09, 3857377.25	3.38E-07	6.09E-09	-3.32E-07	1.42E-08	2.56E-10	-1.40E-08	2.13E-08	3.83E-10	-2.09E-08
4372	494863.09, 3857377.25	3.17E-07	5.70E-09	-3.11E-07	1.33E-08	2.40E-10	-1.31E-08	1.99E-08	3.59E-10	-1.96E-08
4373	495363.09, 3857377.25	3.05E-07	5.49E-09	-3.00E-07	1.28E-08	2.31E-10	-1.26E-08	1.92E-08	3.46E-10	-1.89E-08
4374	495863.09, 3857377.25	3.01E-07	5.42E-09	-2.95E-07	1.27E-08	2.28E-10	-1.24E-08	1.90E-08	3.41E-10	-1.86E-08
4375	496363.09, 3857377.25	3.14E-07	5.65E-09	-3.08E-07	1.32E-08	2.38E-10	-1.30E-08	1.98E-08	3.56E-10	-1.94E-08
4376	496863.09, 3857377.25	3.34E-07	6.01E-09	-3.28E-07	1.40E-08	2.53E-10	-1.38E-08	2.10E-08	3.79E-10	-2.07E-08
4377	497363.09, 3857377.25	3.77E-07	6.78E-09	-3.70E-07	1.59E-08	2.85E-10	-1.56E-08	2.37E-08	4.27E-10	-2.33E-08
4378	497863.09, 3857377.25	4.58E-07	8.25E-09	-4.50E-07	1.93E-08	3.47E-10	-1.89E-08	2.89E-08	5.20E-10	-2.84E-08
4379	498363.09, 3857377.25	5.97E-07	1.08E-08	-5.87E-07	2.51E-08	4.53E-10	-2.47E-08	3.76E-08	6.78E-10	-3.70E-08
4380	471363.09, 3857877.25	1.96E-07	3.53E-09	-1.93E-07	8.26E-09	1.49E-10	-8.11E-09	1.24E-08	2.23E-10	-1.21E-08
4381	471863.09, 3857877.25	1.98E-07	3.56E-09	-1.94E-07	8.32E-09	1.50E-10	-8.17E-09	1.25E-08	2.24E-10	-1.22E-08
4382	472363.09, 3857877.25	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
4383	472863.09, 3857877.25	2.21E-07	3.97E-09	-2.17E-07	9.28E-09	1.67E-10	-9.12E-09	1.39E-08	2.50E-10	-1.36E-08

4384	473363.09, 3857877.25	2.35E-07	4.23E-09	-2.31E-07	9.89E-09	1.78E-10	-9.71E-09	1.48E-08	2.66E-10	-1.45E-08
4385	473863.09, 3857877.25	2.58E-07	4.64E-09	-2.53E-07	1.08E-08	1.95E-10	-1.07E-08	1.62E-08	2.92E-10	-1.60E-08
4386	474363.09, 3857877.25	2.45E-07	4.41E-09	-2.41E-07	1.03E-08	1.86E-10	-1.01E-08	1.54E-08	2.78E-10	-1.52E-08
4387	474863.09, 3857877.25	2.26E-07	4.08E-09	-2.22E-07	9.52E-09	1.71E-10	-9.35E-09	1.43E-08	2.57E-10	-1.40E-08
4388	475363.09, 3857877.25	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
4389	475863.09, 3857877.25	1.70E-07	3.07E-09	-1.67E-07	7.17E-09	1.29E-10	-7.04E-09	1.07E-08	1.93E-10	-1.05E-08
4390	476363.09, 3857877.25	2.25E-07	4.05E-09	-2.21E-07	9.46E-09	1.70E-10	-9.29E-09	1.42E-08	2.55E-10	-1.39E-08
4391	476863.09, 3857877.25	2.46E-07	4.44E-09	-2.42E-07	1.04E-08	1.87E-10	-1.02E-08	1.55E-08	2.79E-10	-1.52E-08
4392	477363.09, 3857877.25	2.49E-07	4.49E-09	-2.45E-07	1.05E-08	1.89E-10	-1.03E-08	1.57E-08	2.83E-10	-1.54E-08
4393	477863.09, 3857877.25	2.52E-07	4.54E-09	-2.48E-07	1.06E-08	1.91E-10	-1.04E-08	1.59E-08	2.86E-10	-1.56E-08
4394	478363.09, 3857877.25	2.18E-07	3.92E-09	-2.14E-07	9.16E-09	1.65E-10	-9.00E-09	1.37E-08	2.47E-10	-1.35E-08
4395	478863.09, 3857877.25	2.11E-07	3.79E-09	-2.07E-07	8.86E-09	1.60E-10	-8.70E-09	1.33E-08	2.39E-10	-1.30E-08
4396	479363.09, 3857877.25	3.54E-07	6.37E-09	-3.48E-07	1.49E-08	2.68E-10	-1.46E-08	2.23E-08	4.01E-10	-2.19E-08
4397	479863.09, 3857877.25	4.71E-07	8.49E-09	-4.63E-07	1.98E-08	3.57E-10	-1.95E-08	2.97E-08	5.35E-10	-2.92E-08
4398	480363.09, 3857877.25	5.37E-07	9.67E-09	-5.28E-07	2.26E-08	4.07E-10	-2.22E-08	3.38E-08	6.09E-10	-3.32E-08
4399	480863.09, 3857877.25	5.66E-07	1.02E-08	-5.56E-07	2.38E-08	4.29E-10	-2.34E-08	3.57E-08	6.42E-10	-3.50E-08
4400	481363.09, 3857877.25	5.93E-07	1.07E-08	-5.82E-07	2.50E-08	4.49E-10	-2.45E-08	3.74E-08	6.73E-10	-3.67E-08
4401	481863.09, 3857877.25	6.50E-07	1.17E-08	-6.39E-07	2.74E-08	4.93E-10	-2.69E-08	4.10E-08	7.38E-10	-4.02E-08
4402	482363.09, 3857877.25	7.97E-07	1.43E-08	-7.82E-07	3.35E-08	6.03E-10	-3.29E-08	5.02E-08	9.03E-10	-4.93E-08
4403	482863.09, 3857877.25	1.07E-06	1.93E-08	-1.05E-06	4.50E-08	8.11E-10	-4.42E-08	6.74E-08	1.21E-09	-6.62E-08
4404	483363.09, 3857877.25	1.08E-06	1.94E-08	-1.06E-06	4.53E-08	8.15E-10	-4.45E-08	6.78E-08	1.22E-09	-6.66E-08
4405	483863.09, 3857877.25	1.12E-06	2.01E-08	-1.10E-06	4.70E-08	8.46E-10	-4.62E-08	7.04E-08	1.27E-09	-6.91E-08
4406	484363.09, 3857877.25	1.33E-06	2.39E-08	-1.30E-06	5.58E-08	1.00E-09	-5.48E-08	8.35E-08	1.50E-09	-8.20E-08
4407	484863.09, 3857877.25	1.64E-06	2.95E-08	-1.61E-06	6.88E-08	1.24E-09	-6.76E-08	1.03E-07	1.86E-09	-1.01E-07
4408	485363.09, 3857877.25	1.92E-06	3.46E-08	-1.89E-06	8.09E-08	1.46E-09	-7.94E-08	1.21E-07	2.18E-09	-1.19E-07
4409	485863.09, 3857877.25	2.02E-06	3.64E-08	-1.99E-06	8.51E-08	1.53E-09	-8.36E-08	1.27E-07	2.29E-09	-1.25E-07
4410	486363.09, 3857877.25	1.99E-06	3.58E-08	-1.95E-06	8.37E-08	1.51E-09	-8.22E-08	1.25E-07	2.26E-09	-1.23E-07
4411	486863.09, 3857877.25	1.89E-06	3.40E-08	-1.85E-06	7.94E-08	1.43E-09	-7.80E-08	1.19E-07	2.14E-09	-1.17E-07
4412	487363.09, 3857877.25	1.62E-06	2.92E-08	-1.59E-06	6.82E-08	1.23E-09	-6.70E-08	1.02E-07	1.84E-09	-1.00E-07
4413	487863.09, 3857877.25	1.57E-06	2.83E-08	-1.54E-06	6.61E-08	1.19E-09	-6.49E-08	9.90E-08	1.78E-09	-9.72E-08
4414	488363.09, 3857877.25	1.74E-06	3.13E-08	-1.71E-06	7.31E-08	1.32E-09	-7.17E-08	1.09E-07	1.97E-09	-1.07E-07
4415	488863.09, 3857877.25	1.90E-06	3.42E-08	-1.86E-06	7.98E-08	1.44E-09	-7.84E-08	1.20E-07	2.15E-09	-1.17E-07
4416	489363.09, 3857877.25	1.83E-06	3.29E-08	-1.80E-06	7.69E-08	1.38E-09	-7.55E-08	1.15E-07	2.07E-09	-1.13E-07
4417	489863.09, 3857877.25	1.79E-06	3.22E-08	-1.76E-06	7.53E-08	1.36E-09	-7.39E-08	1.13E-07	2.03E-09	-1.11E-07
4418	490363.09, 3857877.25	1.78E-06	3.21E-08	-1.75E-06	7.50E-08	1.35E-09	-7.36E-08	1.12E-07	2.02E-09	-1.10E-07
4419	490863.09, 3857877.25	1.66E-06	2.99E-08	-1.63E-06	7.00E-08	1.26E-09	-6.87E-08	1.05E-07	1.89E-09	-1.03E-07
4420	491363.09, 3857877.25	1.35E-06	2.43E-08	-1.33E-06	5.68E-08	1.02E-09	-5.58E-08	8.51E-08	1.53E-09	-8.36E-08
4421	491863.09, 3857877.25	9.51E-07	1.71E-08	-9.34E-07	4.00E-08	7.21E-10	-3.93E-08	5.99E-08	1.08E-09	-5.89E-08
4422	492363.09, 3857877.25	6.50E-07	1.17E-08	-6.39E-07	2.74E-08	4.93E-10	-2.69E-08	4.10E-08	7.38E-10	-4.02E-08
4423	492863.09, 3857877.25	5.42E-07	9.75E-09	-5.32E-07	2.28E-08	4.10E-10	-2.24E-08	3.41E-08	6.14E-10	-3.35E-08
4424	493363.09, 3857877.25	4.97E-07	8.95E-09	-4.88E-07	2.09E-08	3.77E-10	-2.05E-08	3.13E-08	5.64E-10	-3.08E-08
4425	493863.09, 3857877.25	4.73E-07	8.51E-09	-4.64E-07	1.99E-08	3.58E-10	-1.95E-08	2.98E-08	5.36E-10	-2.92E-08
4426	494363.09, 3857877.25	4.46E-07	8.02E-09	-4.38E-07	1.87E-08	3.37E-10	-1.84E-08	2.81E-08	5.05E-10	-2.76E-08
4427	494863.09, 3857877.25	4.20E-07	7.56E-09	-4.12E-07	1.77E-08	3.18E-10	-1.73E-08	2.64E-08	4.76E-10	-2.60E-08
4428	495363.09, 3857877.25	4.13E-07	7.43E-09	-4.05E-07	1.74E-08	3.13E-10	-1.70E-08	2.60E-08	4.68E-10	-2.55E-08
4429	495863.09, 3857877.25	4.17E-07	7.51E-09	-4.09E-07	1.75E-08	3.16E-10	-1.72E-08	2.63E-08	4.73E-10	-2.58E-08
4430	496363.09, 3857877.25	4.33E-07	7.79E-09	-4.25E-07	1.82E-08	3.28E-10	-1.79E-08	2.73E-08	4.91E-10	-2.68E-08
4431	496863.09, 3857877.25	4.74E-07	8.54E-09	-4.66E-07	2.00E-08	3.59E-10	-1.96E-08	2.99E-08	5.38E-10	-2.93E-08
4432	497363.09, 3857877.25	5.37E-07	9.67E-09	-5.28E-07	2.26E-08	4.07E-10	-2.22E-08	3.38E-08	6.09E-10	-3.32E-08
4433	497863.09, 3857877.25	6.72E-07	1.21E-08	-6.60E-07	2.83E-08	5.09E-10	-2.78E-08	4.23E-08	7.62E-10	-4.16E-08
4434	498363.09, 3857877.25	8.65E-07	1.56E-08	-8.50E-07	3.64E-08	6.55E-10	-3.58E-08	5.45E-08	9.81E-10	-5.35E-08
4435	471363.09, 3858377.25	2.38E-07	4.28E-09	-2.34E-07	1.00E-08	1.80E-10	-9.83E-09	1.50E-08	2.70E-10	-1.47E-08
4436	471863.09, 3858377.25	2.35E-07	4.23E-09	-2.31E-07	9.89E-09	1.78E-10	-9.71E-09	1.48E-08	2.66E-10	-1.45E-08
4437	472363.09, 3858377.25	2.32E-07	4.18E-09	-2.28E-07	9.76E-09	1.76E-10	-9.59E-09	1.46E-08	2.63E-10	-1.44E-08
4438	472863.09, 3858377.25	2.36E-07	4.26E-09	-2.32E-07	9.95E-09	1.79E-10	-9.77E-09	1.49E-08	2.68E-10	-1.46E-08
4439	473363.09, 3858377.25	2.52E-07	4.54E-09	-2.48E-07	1.06E-08	1.91E-10	-1.04E-08	1.59E-08	2.86E-10	-1.56E-08
4440	473863.09, 3858377.25	2.42E-07	4.36E-09	-2.38E-07	1.02E-08	1.83E-10	-1.00E-08	1.53E-08	2.75E-10	-1.50E-08
4441	474363.09, 3858377.25	2.22E-07	4.00E-09	-2.18E-07	9.34E-09	1.68E-10	-9.17E-09	1.40E-08	2.52E-10	-1.37E-08
4442	474863.09, 3858377.25	2.09E-07	3.77E-09	-2.05E-07	8.80E-09	1.58E-10	-8.64E-09	1.32E-08	2.37E-10	-1.29E-08
4443	475363.09, 3858377.25	1.99E-07	3.59E-09	-1.96E-07	8.38E-09	1.51E-10	-8.23E-09	1.25E-08	2.26E-10	-1.23E-08
4444	475863.09, 3858377.25	1.93E-07	3.48E-09	-1.90E-07	8.14E-09	1.46E-10	-7.99E-09	1.22E-08	2.19E-10	-1.20E-08
4445	476363.09, 3858377.25	2.03E-07	3.66E-09	-2.00E-07	8.56E-09	1.54E-10	-8.41E-09	1.28E-08	2.31E-10	-1.26E-08
4446	476863.09, 3858377.25	2.16E-07	3.90E-09	-2.12E-07	9.10E-09	1.64E-10	-8.94E-09	1.36E-08	2.45E-10	-1.34E-08
4447	477363.09, 3858377.25	2.22E-07	4.00E-09	-2.18E-07	9.34E-09	1.68E-10	-9.17E-09	1.40E-08	2.52E-10	-1.37E-08
4448	477863.09, 3858377.25	2.46E-07	4.44E-09	-2.42E-07	1.04E-08	1.87E-10	-1.02E-08	1.55E-08	2.79E-10	-1.52E-08
4449	478363.09, 3858377.25	2.61E-07	4.69E-09	-2.56E-07	1.10E-08	1.98E-10	-1.08E-08	1.64E-08	2.96E-10	-1.61E-08
4450	478863.09, 3858377.25	2.44E-07	4.39E-09	-2.39E-07	1.02E-08	1.84E-10	-1.01E-08	1.53E-08	2.76E-10	-1.51E-08
4451	479363.09, 3858377.25	3.51E-07	6.32E-09	-3.45E-07	1.48E-08	2.66E-10	-1.45E-08	2.21E-08	3.98E-10	-2.17E-08
4452	479863.09, 3858377.25	5.04E-07	9.08E-09	-4.95E-07	2.12E-08	3.82E-10	-2.08E-08	3.18E-08	5.72E-10	-3.12E-08
4453	480363.09, 3858377.25	6.07E-07	1.09E-08	-5.97E-07	2.56E-08	4.60E-10	-2.51E-08	3.83E-08	6.89E-10	-3.76E-08
4454	480863.09, 3858377.25	6.55E-07	1.18E-08	-6.43E-07	2.75E-08	4.96E-10	-2.71E-08	4.12E-08	7.43E-10	-4.05E-08
4455	481363.09, 3858377.25	6.99E-07	1.26E-08	-6.87E-07	2.94E-08	5.30E-10	-2.89E-08	4.40E-08	7.93E-10	-4.33E-08
4456	481863.09, 3858377.25	7.11E-07	1.28E-08	-6.98E-07	2.99E-08	5.38E-10	-2.94E-08	4.48E-08	8.06E-10	-4.40E-08
4457	482363.09, 3858377.25	7.52E-07	1.35E-08	-7.39E-07	3.16E-08	5.70E-10	-3.11E-08	4.74E-08	8.53E-10	-4.65E-08
4458	482863.09, 3858377.25	9.24E-07	1.66E-08	-9.07E-07	3.89E-08	7.00E-10	-3.82E-08	5.82E-08	1.05E-09	-5.72E-08
4459	483363.09, 3858377.25	1.22E-06	2.19E-08	-1.20E-06	5.12E-08	9.22E-10	-5.03E-08	7.67E-08	1.38E-09	-7.53E-08
4460	483863.09, 3858377.25	1.36E-06	2.45E-08	-1.34E-06	5.73E-08	1.03E-09	-5.63E-08	8.58E-08	1.55E-09	-8.43E-08
4461	484363.09, 3858377.25	1.39E-06	2.49E-08	-1.36E-06	5.83E-08	1.05E-09	-5.72E-08	8.73E-08	1.57E-09	-8.57E-08
4462	484863.09, 3858377.25	1.38E-06	2.49E-08	-1.36E-06	5.81E-08	1.05E-09	-5.71E-08	8.70E-08	1.57E-09	-8.54E-08
4463	485363.09, 3858377.25	1.49E-06	2.68E-08	-1.46E-06	6.26E-08	1.13E-09	-6.15E-08	9.38E-08	1.69E-09	-9.21E-08
4464	485863.09, 3858377.25	1.78E-06	3.20E-08	-1.74E-06	7.47E-08	1.34E-09	-7.33E-08	1.12E-07	2.01E-09	-1.10E-07
4465	486363.09, 3858377.25	2.18E-06	3.92E-08	-2.14E-06	9.16E-08	1.65E-09	-8.99E-08	1.37E-07	2.47E-09	-1.35E-07
4466	486863.09, 3858377.25	2.47E-06	4.45E-08	-2.43E-06	1.04E-07	1.87E-09	-1.02E-07	1.56E-07	2.81E-09	-1.53E-07
4467	487363.09, 3858377.25	2.49E-06	4.49E-08	-2.45E-06	1.05E-07	1.89E-09	-1.03E-07	1.57E-07	2.83E-09	-1.54E-07
4468	487863.09, 3858377.25	2.30E-06	4.13E-08	-2.25E-06	9.66E-08	1.74E-09	-9.48E-08	1.45E-07	2.60E-09	-1.42E-07
4469	488363.09, 3858377.25	2.19E-06	3.94E-08	-2.15E-06	9.22E-08	1.66E-09	-9.05E-08	1.38E-07	2.48E-09	-1.36E-07
4470	488863.09, 3858377.25	2.18E-06	3.92E-08	-2.14E-06	9.17E-08	1.65E-09	-9.00E-08	1.37E-07	2.47E-09	-1.35E-07
4471	489363.09, 3858377.25	2.08E-06	3.75E-08	-2.04E-06	8.75E-08	1.58E-09	-8.59E-08	1.31E-07	2.36E-09	-1.29E-07
4472	489863.09, 3858377.25	2.07E-06	3.74E-08	-2.04E-06	8.73E-08	1.57E-09	-8.57E-08	1.31E-07	2.35E-09	-1.28E-07
4473	490363.09, 3858377.25	1.98E-06	3.56E-08	-1.94E-06	8.33E-08	1.50E-09	-8.18E-08	1.25E-07	2.25E-09	-1.22E-07
4474	490863.09, 3858377.25	2.01E-06	3.62E-08	-1.98E-06	8.46E-08	1.52E-09	-8.31E-08	1.27E-07	2.28E-09	-1.24E-07
4475	491363.09, 3858377.25	1.51E-06	2.72E-08	-1.48E-06	6.35E-08	1.14E-09	-6.23E-08	9.50E-08	1.71E-09	-9.33E-08
4476	491863.09, 3858377.25	1.02E-06	1.83E-08	-9.98E-07	4.27E-08	7.69E-10	-4.20E-08	6.40E-08	1.15E-09	-6.28E-08
4477	492363.09, 3858377.25	7.71E-07	1.39E-08	-7.57E-07	3.24E-08	5.84E-10	-3.18E-08	4.86E-08	8.74E-10	-4.77E-08
4478	492863.09, 3858377.25	7.39E-07	1.33E-08	-7.26E-07	3.11E-08	5.60E-10	-3.05E-08	4.66E-08	8.38E-10	-4.57E-08
4479	493363.09, 3858377.25	6.89E-07	1.24E-08	-6.77E-07	2.90E-08	5.22E-10	-2.85E-08	4.34E-08	7.82E-10	-4.26E-08
4480	493863.09, 3858377.25	6.50E-07	1.17E-08	-6.39E-07	2.74E-08	4.93E-10	-2.69E-08	4.10E-08	7.38E-10	-4.02E-08
4481	494363.09, 3858377.25	6.33E-07	1.14E-08	-6.22E-07	2.66E-08	4.80E-10	-2.62E-08	3.99E-08	7.18E-10	-3.92E-08
4482	494863.09, 3858377.25	6.09E-07	1.10E-08	-5.98E-07	2.56E-08	4.61E-10	-2.52E-08	3.84E-08	6.91E-10	-3.77E-08
4483	495363.09, 3858377.25	5.90E-07	1.06E-08	-5.80E-07	2.48E-08	4.47E-10	-2.44E-08	3.72E-08	6.69E-10	-3.65E-08
4484	495863.09, 3858377.25	6.07E-07	1.09E-08	-5.97E-07	2.56E-08	4.60E-10	-2.51E-08	3.83E-08	6.89E-10	-3.76E-08
4485	496363.09, 3858377.25	6.32E-07	1.14E-08	-6.20E-07	2.66E-08	4.79E-10	-2.61E-08	3.98E-08	7.17E-10	-3.91E-08
4486	496863.09, 3858377.25	7.12E-07	1.28E-08	-6.99E-07	3.00E-08	5.39E-10	-2.94E-08	4.49E-08	8.08E-10	-4.41E-08
4487	497363.09, 3858377.25	8.22E-07	1.48E-08	-8.08E-07	3.46E-08	6.23E-10	-3.40E-08	5.18E-08	9.33E-10	-5.09E-08
4488	497863.09, 3858377.25	1.06E-06	1.91E-08	-1.04E-06	4.47E-08	8.05E-10	-4.39E-08	6.70E-08	1.21E-09	-6.58E-08
4489	498363.09, 3858377.25	1.38E-06	2.48E-08	-1.35E-06	5.79E-08	1.04E-09	-5.68E-08	8.66E-08	1.56E-09	-8.51E-08
4490	471363.09, 3858877.25	2.44E-07	4.39E-09	-2.39E-07	1.02E-08	1.84E-10	-1.01E-08	1.53E-08	2.76E-10	-1.51E-08

4491	471863.09, 3858877.25	2.46E-07	4.44E-09	-2.42E-07	1.04E-08	1.87E-10	-1.02E-08	1.55E-08	2.79E-10	-1.52E-08
4492	472363.09, 3858877.25	2.64E-07	4.75E-09	-2.59E-07	1.11E-08	2.00E-10	-1.09E-08	1.66E-08	2.99E-10	-1.63E-08
4493	472863.09, 3858877.25	2.77E-07	4.98E-09	-2.72E-07	1.16E-08	2.09E-10	-1.14E-08	1.74E-08	3.14E-10	-1.71E-08
4494	473363.09, 3858877.25	3.02E-07	5.44E-09	-2.97E-07	1.27E-08	2.29E-10	-1.25E-08	1.90E-08	3.43E-10	-1.87E-08
4495	473863.09, 3858877.25	2.91E-07	5.24E-09	-2.86E-07	1.22E-08	2.20E-10	-1.20E-08	1.83E-08	3.30E-10	-1.80E-08
4496	474363.09, 3858877.25	2.54E-07	4.57E-09	-2.49E-07	1.07E-08	1.92E-10	-1.05E-08	1.60E-08	2.88E-10	-1.57E-08
4497	474863.09, 3858877.25	2.03E-07	3.66E-09	-2.00E-07	8.56E-09	1.54E-10	-8.41E-09	1.28E-08	2.31E-10	-1.26E-08
4498	475363.09, 3858877.25	1.95E-07	3.51E-09	-1.91E-07	8.20E-09	1.48E-10	-8.05E-09	1.23E-08	2.21E-10	-1.21E-08
4499	475863.09, 3858877.25	2.03E-07	3.66E-09	-2.00E-07	8.56E-09	1.54E-10	-8.41E-09	1.28E-08	2.31E-10	-1.26E-08
4500	476363.09, 3858877.25	1.89E-07	3.40E-09	-1.86E-07	7.96E-09	1.43E-10	-7.81E-09	1.19E-08	2.14E-10	-1.17E-08
4501	476863.09, 3858877.25	2.01E-07	3.61E-09	-1.97E-07	8.44E-09	1.52E-10	-8.29E-09	1.26E-08	2.27E-10	-1.24E-08
4502	477363.09, 3858877.25	2.08E-07	3.74E-09	-2.04E-07	8.74E-09	1.57E-10	-8.58E-09	1.31E-08	2.36E-10	-1.29E-08
4503	477863.09, 3858877.25	2.22E-07	4.00E-09	-2.18E-07	9.34E-09	1.68E-10	-9.17E-09	1.40E-08	2.52E-10	-1.37E-08
4504	478363.09, 3858877.25	2.62E-07	4.72E-09	-2.57E-07	1.10E-08	1.99E-10	-1.08E-08	1.65E-08	2.97E-10	-1.62E-08
4505	478863.09, 3858877.25	2.64E-07	4.75E-09	-2.59E-07	1.11E-08	2.00E-10	-1.09E-08	1.66E-08	2.99E-10	-1.63E-08
4506	479363.09, 3858877.25	2.64E-07	4.75E-09	-2.59E-07	1.11E-08	2.00E-10	-1.09E-08	1.66E-08	2.99E-10	-1.63E-08
4507	479863.09, 3858877.25	4.57E-07	8.23E-09	-4.49E-07	1.92E-08	3.46E-10	-1.89E-08	2.88E-08	5.18E-10	-2.83E-08
4508	480363.09, 3858877.25	5.47E-07	9.85E-09	-5.37E-07	2.30E-08	4.15E-10	-2.26E-08	3.45E-08	6.21E-10	-3.39E-08
4509	480863.09, 3858877.25	6.43E-07	1.16E-08	-6.32E-07	2.71E-08	4.87E-10	-2.66E-08	4.05E-08	7.30E-10	-3.98E-08
4510	481363.09, 3858877.25	7.03E-07	1.27E-08	-6.91E-07	2.96E-08	5.33E-10	-2.91E-08	4.43E-08	7.98E-10	-4.35E-08
4511	481863.09, 3858877.25	7.71E-07	1.39E-08	-7.57E-07	3.24E-08	5.84E-10	-3.18E-08	4.86E-08	8.74E-10	-4.77E-08
4512	482363.09, 3858877.25	8.11E-07	1.46E-08	-7.96E-07	3.41E-08	6.14E-10	-3.35E-08	5.11E-08	9.20E-10	-5.02E-08
4513	482863.09, 3858877.25	8.94E-07	1.61E-08	-8.78E-07	3.76E-08	6.77E-10	-3.69E-08	5.63E-08	1.01E-09	-5.53E-08
4514	483363.09, 3858877.25	1.38E-06	2.49E-08	-1.36E-06	5.81E-08	1.05E-09	-5.71E-08	8.70E-08	1.57E-09	-8.54E-08
4515	483863.09, 3858877.25	1.52E-06	2.74E-08	-1.50E-06	6.41E-08	1.15E-09	-6.29E-08	9.59E-08	1.73E-09	-9.42E-08
4516	484363.09, 3858877.25	1.58E-06	2.85E-08	-1.55E-06	6.65E-08	1.20E-09	-6.53E-08	9.96E-08	1.79E-09	-9.79E-08
4517	484863.09, 3858877.25	1.64E-06	2.96E-08	-1.61E-06	6.91E-08	1.24E-09	-6.79E-08	1.04E-07	1.86E-09	-1.02E-07
4518	485363.09, 3858877.25	1.74E-06	3.13E-08	-1.71E-06	7.31E-08	1.32E-09	-7.17E-08	1.09E-07	1.97E-09	-1.07E-07
4519	485863.09, 3858877.25	1.78E-06	3.21E-08	-1.75E-06	7.50E-08	1.35E-09	-7.37E-08	1.12E-07	2.02E-09	-1.10E-07
4520	486363.09, 3858877.25	1.85E-06	3.33E-08	-1.82E-06	7.78E-08	1.40E-09	-7.64E-08	1.17E-07	2.10E-09	-1.14E-07
4521	486863.09, 3858877.25	2.00E-06	3.60E-08	-1.96E-06	8.41E-08	1.51E-09	-8.26E-08	1.26E-07	2.27E-09	-1.24E-07
4522	487363.09, 3858877.25	2.28E-06	4.10E-08	-2.24E-06	9.58E-08	1.72E-09	-9.41E-08	1.43E-07	2.58E-09	-1.41E-07
4523	487863.09, 3858877.25	2.81E-06	5.06E-08	-2.76E-06	1.18E-07	2.13E-09	-1.16E-07	1.77E-07	3.19E-09	-1.74E-07
4524	488363.09, 3858877.25	2.86E-06	5.14E-08	-2.81E-06	1.20E-07	2.16E-09	-1.18E-07	1.80E-07	3.24E-09	-1.77E-07
4525	488863.09, 3858877.25	2.57E-06	4.64E-08	-2.53E-06	1.08E-07	1.95E-09	-1.06E-07	1.62E-07	2.92E-09	-1.59E-07
4526	489363.09, 3858877.25	2.40E-06	4.32E-08	-2.36E-06	1.01E-07	1.82E-09	-9.91E-08	1.51E-07	2.72E-09	-1.48E-07
4527	489863.09, 3858877.25	2.44E-06	4.39E-08	-2.39E-06	1.03E-07	1.85E-09	-1.01E-07	1.54E-07	2.77E-09	-1.51E-07
4528	490363.09, 3858877.25	2.23E-06	4.02E-08	-2.19E-06	9.39E-08	1.69E-09	-9.22E-08	1.41E-07	2.53E-09	-1.38E-07
4529	490863.09, 3858877.25	1.69E-06	3.05E-08	-1.66E-06	7.12E-08	1.28E-09	-7.00E-08	1.07E-07	1.92E-09	-1.05E-07
4530	491363.09, 3858877.25	1.29E-06	2.33E-08	-1.27E-06	5.44E-08	9.80E-10	-5.34E-08	8.15E-08	1.47E-09	-8.00E-08
4531	491863.09, 3858877.25	1.05E-06	1.88E-08	-1.03E-06	4.40E-08	7.92E-10	-4.32E-08	6.59E-08	1.19E-09	-6.47E-08
4532	492363.09, 3858877.25	1.13E-06	2.04E-08	-1.11E-06	4.76E-08	8.57E-10	-4.68E-08	7.13E-08	1.28E-09	-7.00E-08
4533	492863.09, 3858877.25	1.27E-06	2.29E-08	-1.25E-06	5.35E-08	9.64E-10	-5.26E-08	8.01E-08	1.44E-09	-7.87E-08
4534	493363.09, 3858877.25	1.06E-06	1.90E-08	-1.04E-06	4.45E-08	8.01E-10	-4.37E-08	6.66E-08	1.20E-09	-6.54E-08
4535	493863.09, 3858877.25	9.31E-07	1.68E-08	-9.15E-07	3.92E-08	7.05E-10	-3.85E-08	5.87E-08	1.06E-09	-5.76E-08
4536	494363.09, 3858877.25	9.38E-07	1.69E-08	-9.22E-07	3.95E-08	7.11E-10	-3.88E-08	5.91E-08	1.06E-09	-5.81E-08
4537	494863.09, 3858877.25	9.54E-07	1.72E-08	-9.37E-07	4.01E-08	7.23E-10	-3.94E-08	6.01E-08	1.08E-09	-5.90E-08
4538	495363.09, 3858877.25	9.36E-07	1.68E-08	-9.19E-07	3.94E-08	7.09E-10	-3.87E-08	5.89E-08	1.06E-09	-5.79E-08
4539	495863.09, 3858877.25	9.59E-07	1.73E-08	-9.41E-07	4.03E-08	7.26E-10	-3.96E-08	6.04E-08	1.09E-09	-5.93E-08
4540	496363.09, 3858877.25	1.03E-06	1.85E-08	-1.01E-06	4.32E-08	7.77E-10	-4.24E-08	6.46E-08	1.16E-09	-6.35E-08
4541	496863.09, 3858877.25	1.16E-06	2.09E-08	-1.14E-06	4.89E-08	8.80E-10	-4.80E-08	7.32E-08	1.32E-09	-7.19E-08
4542	497363.09, 3858877.25	1.38E-06	2.48E-08	-1.35E-06	5.80E-08	1.04E-09	-5.69E-08	8.68E-08	1.56E-09	-8.53E-08
4543	497863.09, 3858877.25	1.78E-06	3.20E-08	-1.74E-06	7.47E-08	1.35E-09	-7.34E-08	1.12E-07	2.01E-09	-1.10E-07
4544	498363.09, 3858877.25	2.30E-06	4.14E-08	-2.26E-06	9.67E-08	1.74E-09	-9.50E-08	1.45E-07	2.61E-09	-1.42E-07
4545	471363.09, 3859377.25	2.25E-07	4.05E-09	-2.21E-07	9.46E-09	1.70E-10	-9.29E-09	1.42E-08	2.55E-10	-1.39E-08
4546	471863.09, 3859377.25	2.32E-07	4.18E-09	-2.28E-07	9.76E-09	1.76E-10	-9.59E-09	1.46E-08	2.63E-10	-1.44E-08
4547	472363.09, 3859377.25	2.49E-07	4.49E-09	-2.45E-07	1.05E-08	1.89E-10	-1.03E-08	1.57E-08	2.83E-10	-1.54E-08
4548	472863.09, 3859377.25	2.65E-07	4.77E-09	-2.60E-07	1.12E-08	2.01E-10	-1.10E-08	1.67E-08	3.01E-10	-1.64E-08
4549	473363.09, 3859377.25	2.87E-07	5.16E-09	-2.81E-07	1.21E-08	2.17E-10	-1.18E-08	1.81E-08	3.25E-10	-1.77E-08
4550	473863.09, 3859377.25	2.92E-07	5.26E-09	-2.87E-07	1.23E-08	2.21E-10	-1.21E-08	1.84E-08	3.31E-10	-1.81E-08
4551	474363.09, 3859377.25	2.46E-07	4.44E-09	-2.42E-07	1.04E-08	1.87E-10	-1.02E-08	1.55E-08	2.79E-10	-1.52E-08
4552	474863.09, 3859377.25	2.16E-07	3.90E-09	-2.12E-07	9.10E-09	1.64E-10	-8.94E-09	1.36E-08	2.45E-10	-1.34E-08
4553	475363.09, 3859377.25	1.99E-07	3.59E-09	-1.96E-07	8.38E-09	1.51E-10	-8.23E-09	1.25E-08	2.26E-10	-1.23E-08
4554	475863.09, 3859377.25	1.88E-07	3.38E-09	-1.84E-07	7.90E-09	1.42E-10	-7.75E-09	1.18E-08	2.13E-10	-1.16E-08
4555	476363.09, 3859377.25	1.91E-07	3.43E-09	-1.87E-07	8.02E-09	1.44E-10	-7.87E-09	1.20E-08	2.16E-10	-1.18E-08
4556	476863.09, 3859377.25	1.88E-07	3.38E-09	-1.84E-07	7.90E-09	1.42E-10	-7.75E-09	1.18E-08	2.13E-10	-1.16E-08
4557	477363.09, 3859377.25	1.98E-07	3.56E-09	-1.94E-07	8.32E-09	1.50E-10	-8.17E-09	1.25E-08	2.24E-10	-1.22E-08
4558	477863.09, 3859377.25	2.34E-07	4.20E-09	-2.29E-07	9.83E-09	1.77E-10	-9.65E-09	1.47E-08	2.65E-10	-1.44E-08
4559	478363.09, 3859377.25	2.64E-07	4.75E-09	-2.59E-07	1.11E-08	2.00E-10	-1.09E-08	1.66E-08	2.99E-10	-1.63E-08
4560	478863.09, 3859377.25	3.02E-07	5.44E-09	-2.97E-07	1.27E-08	2.29E-10	-1.25E-08	1.90E-08	3.43E-10	-1.87E-08
4561	479363.09, 3859377.25	3.42E-07	6.16E-09	-3.36E-07	1.44E-08	2.59E-10	-1.41E-08	2.16E-08	3.88E-10	-2.12E-08
4562	479863.09, 3859377.25	3.90E-07	7.02E-09	-3.83E-07	1.64E-08	2.95E-10	-1.61E-08	2.45E-08	4.42E-10	-2.41E-08
4563	480363.09, 3859377.25	4.54E-07	8.18E-09	-4.46E-07	1.91E-08	3.44E-10	-1.88E-08	2.86E-08	5.15E-10	-2.81E-08
4564	480863.09, 3859377.25	5.26E-07	9.47E-09	-5.16E-07	2.21E-08	3.98E-10	-2.17E-08	3.31E-08	5.96E-10	-3.25E-08
4565	481363.09, 3859377.25	5.89E-07	1.06E-08	-5.78E-07	2.48E-08	4.46E-10	-2.43E-08	3.71E-08	6.68E-10	-3.64E-08
4566	481863.09, 3859377.25	6.56E-07	1.18E-08	-6.44E-07	2.76E-08	4.97E-10	-2.71E-08	4.13E-08	7.44E-10	-4.06E-08
4567	482363.09, 3859377.25	7.21E-07	1.30E-08	-7.08E-07	3.03E-08	5.46E-10	-2.98E-08	4.54E-08	8.17E-10	-4.46E-08
4568	482863.09, 3859377.25	8.42E-07	1.52E-08	-8.27E-07	3.54E-08	6.38E-10	-3.48E-08	5.31E-08	9.55E-10	-5.21E-08
4569	483363.09, 3859377.25	1.13E-06	2.03E-08	-1.11E-06	4.74E-08	8.53E-10	-4.65E-08	7.09E-08	1.28E-09	-6.97E-08
4570	483863.09, 3859377.25	1.57E-06	2.82E-08	-1.54E-06	6.60E-08	1.19E-09	-6.48E-08	9.88E-08	1.78E-09	-9.71E-08
4571	484363.09, 3859377.25	1.69E-06	3.05E-08	-1.66E-06	7.13E-08	1.28E-09	-7.00E-08	1.07E-07	1.92E-09	-1.05E-07
4572	484863.09, 3859377.25	1.81E-06	3.25E-08	-1.77E-06	7.60E-08	1.37E-09	-7.46E-08	1.14E-07	2.05E-09	-1.12E-07
4573	485363.09, 3859377.25	1.94E-06	3.50E-08	-1.91E-06	8.17E-08	1.47E-09	-8.03E-08	1.22E-07	2.20E-09	-1.20E-07
4574	485863.09, 3859377.25	2.08E-06	3.75E-08	-2.04E-06	8.75E-08	1.58E-09	-8.59E-08	1.31E-07	2.36E-09	-1.29E-07
4575	486363.09, 3859377.25	2.18E-06	3.93E-08	-2.15E-06	9.19E-08	1.65E-09	-9.03E-08	1.38E-07	2.48E-09	-1.35E-07
4576	486863.09, 3859377.25	2.32E-06	4.18E-08	-2.28E-06	9.76E-08	1.76E-09	-9.58E-08	1.46E-07	2.63E-09	-1.43E-07
4577	487363.09, 3859377.25	2.43E-06	4.38E-08	-2.39E-06	1.02E-07	1.84E-09	-1.01E-07	1.53E-07	2.76E-09	-1.51E-07
4578	487863.09, 3859377.25	2.38E-06	4.29E-08	-2.34E-06	1.00E-07	1.80E-09	-9.84E-08	1.50E-07	2.70E-09	-1.47E-07
4579	488363.09, 3859377.25	2.59E-06	4.66E-08	-2.54E-06	1.09E-07	1.96E-09	-1.07E-07	1.63E-07	2.94E-09	-1.60E-07
4580	488863.09, 3859377.25	3.03E-06	5.46E-08	-2.98E-06	1.28E-07	2.30E-09	-1.25E-07	1.91E-07	3.44E-09	-1.88E-07
4581	489363.09, 3859377.25	3.28E-06	5.90E-08	-3.22E-06	1.38E-07	2.48E-09	-1.35E-07	2.06E-07	3.72E-09	-2.03E-07
4582	489863.09, 3859377.25	3.14E-06	5.65E-08	-3.08E-06	1.32E-07	2.38E-09	-1.30E-07	1.98E-07	3.56E-09	-1.94E-07
4583	490363.09, 3859377.25	2.69E-06	4.84E-08	-2.64E-06	1.13E-07	2.04E-09	-1.11E-07	1.69E-07	3.05E-09	-1.66E-07
4584	490863.09, 3859377.25	2.09E-06	3.77E-08	-2.06E-06	8.81E-08	1.59E-09	-8.65E-08	1.32E-07	2.37E-09	-1.29E-07
4585	491363.09, 3859377.25	1.44E-06	2.60E-08	-1.42E-06	6.07E-08	1.09E-09	-5.96E-08	9.09E-08	1.64E-09	-8.93E-08
4586	491863.09, 3859377.25	1.80E-06	3.23E-08	-1.76E-06	7.56E-08	1.36E-09	-7.42E-08	1.13E-07	2.04E-09	-1.11E-07
4587	492363.09, 3859377.25	1.94E-06	3.49E-08	-1.90E-06	8.16E-08	1.47E-09	-8.01E-08	1.22E-07	2.20E-09	-1.20E-07
4588	492863.09, 3859377.25	2.07E-06	3.73E-08	-2.04E-06	8.72E-08	1.57E-09	-8.56E-08	1.31E-07	2.35E-09	-1.28E-07
4589	493363.09, 3859377.25	1.74E-06	3.13E-08	-1.71E-06	7.32E-08	1.32E-09	-7.19E-08	1.10E-07	1.97E-09	-1.08E-07
4590	493863.09, 3859377.25	1.59E-06	2.87E-08	-1.57E-06	6.71E-08	1.21E-09	-6.59E-08	1.00E-07	1.81E-09	-9.86E-08
4591	494363.09, 3859377.25	1.66E-06	2.98E-08	-1.63E-06	6.97E-08	1.25E-09	-6.84E-08	1.04E-07	1.88E-09	-1.02E-07
4592	494863.09, 3859377.25	1.62E-06	2.91E-08	-1.59E-06	6.80E-08	1.22E-09	-6.68E-08	1.02E-07	1.83E-09	-1.00E-07
4593	495363.09, 3859377.25	1.67E-06	3.01E-08	-1.64E-06	7.03E-08	1.27E-09	-6.91E-08	1.05E-07	1.90E-09	-1.03E-07
4594	495863.09, 3859377.25	1.69E-06	3.05E-08	-1.66E-06	7.13E-08	1.28E-09	-7.00E-08	1.07E-07	1.92E-09	-1.05E-07
4595	496363.09, 3859377.25	1.87E-06	3.36E-08	-1.83E-06	7.85E-08	1.41E-09	-7.71E-08	1.18E-07	2.12E-09	-1.15E-07
4596	496863.09, 3859377.25	2.04E-06	3.67E-08	-2.00E-06	8.58E-08	1.55E-09	-8.43E-08	1.29E-07	2.31E-09	-1.26E-07
4597	497363.09, 3859377.25	2.53E-06	4.56E-08	-2.48E-06	1.06E-07	1.92E-09	-1.05E-07	1.59E-07	2.87E-09	-1.57E-07

4598	497863.09, 3859377.25	3.30E-06	5.95E-08	-3.24E-06	1.39E-07	2.50E-09	-1.36E-07	2.08E-07	3.75E-09	-2.04E-07
4599	498363.09, 3859377.25	4.26E-06	7.68E-08	-4.19E-06	1.79E-07	3.23E-09	-1.76E-07	2.69E-07	4.84E-09	-2.64E-07
4600	471363.09, 3859877.25	2.55E-07	4.59E-09	-2.50E-07	1.07E-08	1.93E-10	-1.05E-08	1.61E-08	2.89E-10	-1.58E-08
4601	471863.09, 3859877.25	2.64E-07	4.75E-09	-2.59E-07	1.11E-08	2.00E-10	-1.09E-08	1.66E-08	2.99E-10	-1.63E-08
4602	472363.09, 3859877.25	2.68E-07	4.82E-09	-2.63E-07	1.13E-08	2.03E-10	-1.11E-08	1.69E-08	3.04E-10	-1.66E-08
4603	472863.09, 3859877.25	2.85E-07	5.13E-09	-2.80E-07	1.20E-08	2.16E-10	-1.18E-08	1.80E-08	3.23E-10	-1.76E-08
4604	473363.09, 3859877.25	2.99E-07	5.39E-09	-2.94E-07	1.26E-08	2.27E-10	-1.24E-08	1.89E-08	3.40E-10	-1.85E-08
4605	473863.09, 3859877.25	3.05E-07	5.49E-09	-3.00E-07	1.28E-08	2.31E-10	-1.26E-08	1.92E-08	3.46E-10	-1.89E-08
4606	474363.09, 3859877.25	2.54E-07	4.57E-09	-2.49E-07	1.07E-08	1.92E-10	-1.05E-08	1.60E-08	2.88E-10	-1.57E-08
4607	474863.09, 3859877.25	2.21E-07	3.97E-09	-2.17E-07	9.28E-09	1.67E-10	-9.12E-09	1.39E-08	2.50E-10	-1.36E-08
4608	475363.09, 3859877.25	1.88E-07	3.38E-09	-1.84E-07	7.90E-09	1.42E-10	-7.75E-09	1.18E-08	2.13E-10	-1.16E-08
4609	475863.09, 3859877.25	1.68E-07	3.02E-09	-1.65E-07	7.05E-09	1.27E-10	-6.93E-09	1.06E-08	1.90E-10	-1.04E-08
4610	476363.09, 3859877.25	1.56E-07	2.81E-09	-1.53E-07	6.57E-09	1.18E-10	-6.45E-09	9.84E-09	1.77E-10	-9.66E-09
4611	476863.09, 3859877.25	1.68E-07	3.02E-09	-1.65E-07	7.05E-09	1.27E-10	-6.93E-09	1.06E-08	1.90E-10	-1.04E-08
4612	477363.09, 3859877.25	1.76E-07	3.17E-09	-1.73E-07	7.41E-09	1.33E-10	-7.28E-09	1.11E-08	2.00E-10	-1.09E-08
4613	477863.09, 3859877.25	2.06E-07	3.71E-09	-2.03E-07	8.68E-09	1.56E-10	-8.52E-09	1.30E-08	2.34E-10	-1.28E-08
4614	478363.09, 3859877.25	2.44E-07	4.39E-09	-2.39E-07	1.02E-08	1.84E-10	-1.01E-08	1.53E-08	2.76E-10	-1.51E-08
4615	478863.09, 3859877.25	2.94E-07	5.29E-09	-2.88E-07	1.24E-08	2.22E-10	-1.21E-08	1.85E-08	3.33E-10	-1.82E-08
4616	479363.09, 3859877.25	3.68E-07	6.63E-09	-3.62E-07	1.55E-08	2.79E-10	-1.52E-08	2.32E-08	4.18E-10	-2.28E-08
4617	479863.09, 3859877.25	4.51E-07	8.13E-09	-4.43E-07	1.90E-08	3.42E-10	-1.86E-08	2.84E-08	5.12E-10	-2.79E-08
4618	480363.09, 3859877.25	5.63E-07	1.01E-08	-5.53E-07	2.37E-08	4.26E-10	-2.33E-08	3.55E-08	6.39E-10	-3.48E-08
4619	480863.09, 3859877.25	6.29E-07	1.13E-08	-6.18E-07	2.65E-08	4.76E-10	-2.60E-08	3.96E-08	7.13E-10	-3.89E-08
4620	481363.09, 3859877.25	6.79E-07	1.22E-08	-6.67E-07	2.86E-08	5.14E-10	-2.81E-08	4.28E-08	7.70E-10	-4.20E-08
4621	481863.09, 3859877.25	6.96E-07	1.25E-08	-6.84E-07	2.93E-08	5.27E-10	-2.88E-08	4.39E-08	7.90E-10	-4.31E-08
4622	482363.09, 3859877.25	7.26E-07	1.31E-08	-7.13E-07	3.06E-08	5.50E-10	-3.00E-08	4.58E-08	8.24E-10	-4.49E-08
4623	482863.09, 3859877.25	7.64E-07	1.37E-08	-7.50E-07	3.21E-08	5.78E-10	-3.15E-08	4.81E-08	8.66E-10	-4.72E-08
4624	483363.09, 3859877.25	8.32E-07	1.50E-08	-8.17E-07	3.50E-08	6.30E-10	-3.44E-08	5.24E-08	9.44E-10	-5.15E-08
4625	483863.09, 3859877.25	1.27E-06	2.28E-08	-1.25E-06	5.33E-08	9.60E-10	-5.24E-08	7.99E-08	1.44E-09	-7.84E-08
4626	484363.09, 3859877.25	1.49E-06	2.69E-08	-1.46E-06	6.27E-08	1.13E-09	-6.16E-08	9.40E-08	1.69E-09	-9.23E-08
4627	484863.09, 3859877.25	1.66E-06	2.99E-08	-1.63E-06	7.00E-08	1.26E-09	-6.87E-08	1.05E-07	1.89E-09	-1.03E-07
4628	485363.09, 3859877.25	1.86E-06	3.35E-08	-1.83E-06	7.84E-08	1.41E-09	-7.69E-08	1.17E-07	2.11E-09	-1.15E-07
4629	485863.09, 3859877.25	2.09E-06	3.77E-08	-2.05E-06	8.80E-08	1.58E-09	-8.64E-08	1.32E-07	2.37E-09	-1.29E-07
4630	486363.09, 3859877.25	2.32E-06	4.18E-08	-2.28E-06	9.76E-08	1.76E-09	-9.58E-08	1.46E-07	2.63E-09	-1.43E-07
4631	486863.09, 3859877.25	2.49E-06	4.48E-08	-2.44E-06	1.05E-07	1.88E-09	-1.03E-07	1.57E-07	2.82E-09	-1.54E-07
4632	487363.09, 3859877.25	2.78E-06	5.01E-08	-2.73E-06	1.17E-07	2.11E-09	-1.15E-07	1.75E-07	3.16E-09	-1.72E-07
4633	487863.09, 3859877.25	2.80E-06	5.03E-08	-2.75E-06	1.18E-07	2.12E-09	-1.15E-07	1.76E-07	3.17E-09	-1.73E-07
4634	488363.09, 3859877.25	3.09E-06	5.56E-08	-3.03E-06	1.30E-07	2.34E-09	-1.28E-07	1.95E-07	3.50E-09	-1.91E-07
4635	488863.09, 3859877.25	3.09E-06	5.57E-08	-3.04E-06	1.30E-07	2.34E-09	-1.28E-07	1.95E-07	3.51E-09	-1.91E-07
4636	489363.09, 3859877.25	3.06E-06	5.50E-08	-3.00E-06	1.29E-07	2.31E-09	-1.26E-07	1.93E-07	3.47E-09	-1.89E-07
4637	489863.09, 3859877.25	3.43E-06	6.18E-08	-3.37E-06	1.44E-07	2.60E-09	-1.42E-07	2.16E-07	3.89E-09	-2.12E-07
4638	490363.09, 3859877.25	4.73E-06	8.51E-08	-4.64E-06	1.99E-07	3.58E-09	-1.95E-07	2.98E-07	5.36E-09	-2.92E-07
4639	490863.09, 3859877.25	4.11E-06	7.39E-08	-4.03E-06	1.73E-07	3.11E-09	-1.70E-07	2.59E-07	4.66E-09	-2.54E-07
4640	491363.09, 3859877.25	4.14E-06	7.46E-08	-4.07E-06	1.74E-07	3.14E-09	-1.71E-07	2.61E-07	4.70E-09	-2.56E-07
4641	491863.09, 3859877.25	4.33E-06	7.79E-08	-4.25E-06	1.82E-07	3.28E-09	-1.79E-07	2.73E-07	4.91E-09	-2.68E-07
4642	492363.09, 3859877.25	4.36E-06	7.84E-08	-4.28E-06	1.83E-07	3.30E-09	-1.80E-07	2.74E-07	4.94E-09	-2.70E-07
4643	492863.09, 3859877.25	3.76E-06	6.78E-08	-3.70E-06	1.58E-07	2.85E-09	-1.55E-07	2.37E-07	4.27E-09	-2.33E-07
4644	493363.09, 3859877.25	3.60E-06	6.49E-08	-3.54E-06	1.52E-07	2.73E-09	-1.49E-07	2.27E-07	4.09E-09	-2.23E-07
4645	493863.09, 3859877.25	3.64E-06	6.55E-08	-3.57E-06	1.53E-07	2.76E-09	-1.50E-07	2.29E-07	4.13E-09	-2.25E-07
4646	494363.09, 3859877.25	3.39E-06	6.10E-08	-3.33E-06	1.43E-07	2.57E-09	-1.40E-07	2.13E-07	3.84E-09	-2.10E-07
4647	494863.09, 3859877.25	3.66E-06	6.59E-08	-3.59E-06	1.54E-07	2.77E-09	-1.51E-07	2.31E-07	4.15E-09	-2.26E-07
4648	495363.09, 3859877.25	3.69E-06	6.64E-08	-3.62E-06	1.55E-07	2.79E-09	-1.52E-07	2.32E-07	4.18E-09	-2.28E-07
4649	495863.09, 3859877.25	3.63E-06	6.53E-08	-3.56E-06	1.53E-07	2.75E-09	-1.50E-07	2.29E-07	4.11E-09	-2.24E-07
4650	496363.09, 3859877.25	3.56E-06	6.41E-08	-3.50E-06	1.50E-07	2.70E-09	-1.47E-07	2.24E-07	4.04E-09	-2.20E-07
4651	496863.09, 3859877.25	3.48E-06	6.26E-08	-3.41E-06	1.46E-07	2.63E-09	-1.44E-07	2.19E-07	3.94E-09	-2.15E-07
4652	497363.09, 3859877.25	4.53E-06	8.16E-08	-4.45E-06	1.91E-07	3.43E-09	-1.87E-07	2.85E-07	5.14E-09	-2.80E-07
4653	497863.09, 3859877.25	6.43E-06	1.16E-07	-6.32E-06	2.71E-07	4.87E-09	-2.66E-07	4.05E-07	7.29E-09	-3.98E-07
4654	498363.09, 3859877.25	8.79E-06	1.58E-07	-8.63E-06	3.70E-07	6.65E-09	-3.63E-07	5.53E-07	9.96E-09	-5.43E-07
4655	471363.09, 3860377.25	2.69E-07	4.85E-09	-2.65E-07	1.13E-08	2.04E-10	-1.11E-08	1.70E-08	3.05E-10	-1.67E-08
4656	471863.09, 3860377.25	2.78E-07	5.00E-09	-2.73E-07	1.17E-08	2.11E-10	-1.15E-08	1.75E-08	3.15E-10	-1.72E-08
4657	472363.09, 3860377.25	2.92E-07	5.26E-09	-2.87E-07	1.23E-08	2.21E-10	-1.21E-08	1.84E-08	3.31E-10	-1.81E-08
4658	472863.09, 3860377.25	3.11E-07	5.60E-09	-3.05E-07	1.31E-08	2.35E-10	-1.28E-08	1.96E-08	3.53E-10	-1.92E-08
4659	473363.09, 3860377.25	3.25E-07	5.86E-09	-3.19E-07	1.37E-08	2.46E-10	-1.34E-08	2.05E-08	3.69E-10	-2.01E-08
4660	473863.09, 3860377.25	3.28E-07	5.91E-09	-3.22E-07	1.38E-08	2.49E-10	-1.36E-08	2.07E-08	3.72E-10	-2.03E-08
4661	474363.09, 3860377.25	3.07E-07	5.52E-09	-3.01E-07	1.29E-08	2.32E-10	-1.27E-08	1.93E-08	3.48E-10	-1.90E-08
4662	474863.09, 3860377.25	2.71E-07	4.88E-09	-2.66E-07	1.14E-08	2.05E-10	-1.12E-08	1.71E-08	3.07E-10	-1.68E-08
4663	475363.09, 3860377.25	2.36E-07	4.26E-09	-2.32E-07	9.95E-09	1.79E-10	-9.77E-09	1.49E-08	2.68E-10	-1.46E-08
4664	475863.09, 3860377.25	2.13E-07	3.84E-09	-2.10E-07	8.98E-09	1.62E-10	-8.82E-09	1.34E-08	2.42E-10	-1.32E-08
4665	476363.09, 3860377.25	1.98E-07	3.56E-09	-1.94E-07	8.32E-09	1.50E-10	-8.17E-09	1.25E-08	2.24E-10	-1.22E-08
4666	476863.09, 3860377.25	1.96E-07	3.53E-09	-1.93E-07	8.26E-09	1.49E-10	-8.11E-09	1.24E-08	2.23E-10	-1.21E-08
4667	477363.09, 3860377.25	1.79E-07	3.22E-09	-1.76E-07	7.53E-09	1.36E-10	-7.40E-09	1.13E-08	2.03E-10	-1.11E-08
4668	477863.09, 3860377.25	1.93E-07	3.48E-09	-1.90E-07	8.14E-09	1.46E-10	-7.99E-09	1.22E-08	2.19E-10	-1.20E-08
4669	478363.09, 3860377.25	2.34E-07	4.20E-09	-2.29E-07	9.83E-09	1.77E-10	-9.65E-09	1.47E-08	2.65E-10	-1.44E-08
4670	478863.09, 3860377.25	2.87E-07	5.16E-09	-2.81E-07	1.21E-08	2.17E-10	-1.18E-08	1.81E-08	3.25E-10	-1.77E-08
4671	479363.09, 3860377.25	3.58E-07	6.45E-09	-3.52E-07	1.51E-08	2.71E-10	-1.48E-08	2.26E-08	4.06E-10	-2.22E-08
4672	479863.09, 3860377.25	4.54E-07	8.18E-09	-4.46E-07	1.91E-08	3.44E-10	-1.88E-08	2.86E-08	5.15E-10	-2.81E-08
4673	480363.09, 3860377.25	5.57E-07	1.00E-08	-5.47E-07	2.34E-08	4.22E-10	-2.30E-08	3.51E-08	6.32E-10	-3.45E-08
4674	480863.09, 3860377.25	6.43E-07	1.16E-08	-6.32E-07	2.71E-08	4.87E-10	-2.66E-08	4.05E-08	7.30E-10	-3.98E-08
4675	481363.09, 3860377.25	6.93E-07	1.25E-08	-6.81E-07	2.92E-08	5.25E-10	-2.86E-08	4.37E-08	7.86E-10	-4.29E-08
4676	481863.09, 3860377.25	7.64E-07	1.37E-08	-7.50E-07	3.21E-08	5.78E-10	-3.15E-08	4.81E-08	8.66E-10	-4.72E-08
4677	482363.09, 3860377.25	8.18E-07	1.47E-08	-8.03E-07	3.44E-08	6.20E-10	-3.38E-08	5.15E-08	9.28E-10	-5.06E-08
4678	482863.09, 3860377.25	8.68E-07	1.56E-08	-8.53E-07	3.65E-08	6.58E-10	-3.59E-08	5.47E-08	9.85E-10	-5.37E-08
4679	483363.09, 3860377.25	1.02E-06	1.84E-08	-1.00E-06	4.30E-08	7.75E-10	-4.23E-08	6.44E-08	1.16E-09	-6.33E-08
4680	483863.09, 3860377.25	1.11E-06	2.01E-08	-1.09E-06	4.69E-08	8.44E-10	-4.61E-08	7.02E-08	1.26E-09	-6.90E-08
4681	484363.09, 3860377.25	1.52E-06	2.74E-08	-1.50E-06	6.41E-08	1.15E-09	-6.29E-08	9.59E-08	1.73E-09	-9.42E-08
4682	484863.09, 3860377.25	1.63E-06	2.94E-08	-1.60E-06	6.87E-08	1.24E-09	-6.75E-08	1.03E-07	1.85E-09	-1.01E-07
4683	485363.09, 3860377.25	1.76E-06	3.17E-08	-1.73E-06	7.40E-08	1.33E-09	-7.26E-08	1.11E-07	1.99E-09	-1.09E-07
4684	485863.09, 3860377.25	1.87E-06	3.37E-08	-1.84E-06	7.87E-08	1.42E-09	-7.73E-08	1.18E-07	2.12E-09	-1.16E-07
4685	486363.09, 3860377.25	2.07E-06	3.73E-08	-2.03E-06	8.72E-08	1.57E-09	-8.56E-08	1.31E-07	2.35E-09	-1.28E-07
4686	486863.09, 3860377.25	2.32E-06	4.18E-08	-2.28E-06	9.77E-08	1.76E-09	-9.59E-08	1.46E-07	2.63E-09	-1.44E-07
4687	487363.09, 3860377.25	2.65E-06	4.76E-08	-2.60E-06	1.11E-07	2.00E-09	-1.09E-07	1.67E-07	3.00E-09	-1.64E-07
4688	487863.09, 3860377.25	2.88E-06	5.18E-08	-2.83E-06	1.21E-07	2.18E-09	-1.19E-07	1.81E-07	3.26E-09	-1.78E-07
4689	488363.09, 3860377.25	3.25E-06	5.85E-08	-3.19E-06	1.37E-07	2.46E-09	-1.34E-07	2.05E-07	3.69E-09	-2.01E-07
4690	488863.09, 3860377.25	3.61E-06	6.49E-08	-3.54E-06	1.52E-07	2.73E-09	-1.49E-07	2.27E-07	4.09E-09	-2.23E-07
4691	489363.09, 3860377.25	4.04E-06	7.28E-08	-3.97E-06	1.70E-07	3.06E-09	-1.67E-07	2.55E-07	4.58E-09	-2.50E-07
4692	489863.09, 3860377.25	4.30E-06	7.74E-08	-4.22E-06	1.81E-07	3.26E-09	-1.78E-07	2.71E-07	4.88E-09	-2.66E-07
4693	490363.09, 3860377.25	5.20E-06	9.37E-08	-5.11E-06	2.19E-07	3.94E-09	-2.15E-07	3.28E-07	5.90E-09	-3.22E-07
4694	490863.09, 3860377.25	6.34E-06	1.14E-07	-6.22E-06	2.67E-07	4.80E-09	-2.62E-07	3.99E-07	7.19E-09	-3.92E-07
4695	491363.09, 3860377.25	8.95E-06	1.61E-07	-8.79E-06	3.76E-07	6.78E-09	-3.70E-07	5.64E-07	1.01E-08	-5.53E-07
4696	491863.09, 3860377.25	1.14E-05	2.05E-07	-1.12E-05	4.80E-07	8.64E-09	-4.71E-07	7.19E-07	1.29E-08	-7.06E-07
4697	492363.09, 3860377.25	9.73E-06	1.75E-07	-9.55E-06	4.09E-07	7.37E-09	-4.02E-07	6.13E-07	1.10E-08	-6.02E-07
4698	492863.09, 3860377.25	1.05E-05	1.89E-07	-1.03E-05	4.41E-07	7.93E-09	-4.33E-07	6.60E-07	1.19E-08	-6.48E-07
4699	493363.09, 3860377.25	9.66E-06	1.74E-07	-9.49E-06	4.07E-07	7.32E-09	-3.99E-07	6.09E-07	1.10E-08	-5.98E-07
4700	493863.09, 3860377.25	1.28E-05	2.30E-07	-1.26E-05	5.38E-07	9.68E-09	-5.28E-07	8.05E-07	1.45E-08	-7.91E-07
4701	494363.09, 3860377.25	1.14E-05	2.05E-07	-1.12E-05	4.79E-07	8.62E-09	-4.70E-07	7.17E-07	1.29E-08	-7.04E-07
4702	494863.09, 3860377.25	1.15E-05	2.07E-07	-1.13E-05	4.84E-07	8.71E-09	-4.75E-07	7.25E-07	1.30E-08	-7.12E-07
4703	495363.09, 3860377.25	1.04E-05	1.87E-07	-1.02E-05	4.36E-07	7.85E-09	-4.28E-07	6.53E-07	1.18E-08	-6.42E-07
4704	495863.09, 3860377.25	8.22E-06	1.48E-07	-8.07E-06	3.46E-07	6.22E-09	-3.39E-07	5.18E-07	9.32E-09	-5.08E-07

4705	496363.09, 3860377.25	7.59E-06	1.37E-07	-7.45E-06	3.19E-07	5.75E-09	-3.14E-07	4.78E-07	8.61E-09	-4.70E-07
4706	496863.09, 3860377.25	8.07E-06	1.45E-07	-7.92E-06	3.39E-07	6.11E-09	-3.33E-07	5.08E-07	9.15E-09	-4.99E-07
4707	497363.09, 3860377.25	8.10E-06	1.46E-07	-7.95E-06	3.41E-07	6.13E-09	-3.35E-07	5.10E-07	9.18E-09	-5.01E-07
4708	497863.09, 3860377.25	1.05E-05	1.89E-07	-1.03E-05	4.42E-07	7.95E-09	-4.34E-07	6.61E-07	1.19E-08	-6.49E-07
4709	498363.09, 3860377.25	1.38E-05	2.49E-07	-1.36E-05	5.82E-07	1.05E-08	-5.71E-07	8.71E-07	1.57E-08	-8.56E-07
4710	471363.09, 3860877.25	3.11E-07	5.60E-09	-3.05E-07	1.31E-08	2.35E-10	-1.28E-08	1.96E-08	3.53E-10	-1.92E-08
4711	471863.09, 3860877.25	3.22E-07	5.80E-09	-3.17E-07	1.36E-08	2.44E-10	-1.33E-08	2.03E-08	3.66E-10	-1.99E-08
4712	472363.09, 3860877.25	3.31E-07	5.96E-09	-3.25E-07	1.39E-08	2.51E-10	-1.37E-08	2.08E-08	3.75E-10	-2.05E-08
4713	472863.09, 3860877.25	3.51E-07	6.32E-09	-3.45E-07	1.48E-08	2.66E-10	-1.45E-08	2.21E-08	3.98E-10	-2.17E-08
4714	473363.09, 3860877.25	3.57E-07	6.42E-09	-3.50E-07	1.50E-08	2.70E-10	-1.47E-08	2.25E-08	4.05E-10	-2.21E-08
4715	473863.09, 3860877.25	3.58E-07	6.45E-09	-3.52E-07	1.51E-08	2.71E-10	-1.48E-08	2.26E-08	4.06E-10	-2.22E-08
4716	474363.09, 3860877.25	3.50E-07	6.29E-09	-3.43E-07	1.47E-08	2.65E-10	-1.44E-08	2.20E-08	3.96E-10	-2.16E-08
4717	474863.09, 3860877.25	3.40E-07	6.11E-09	-3.33E-07	1.43E-08	2.57E-10	-1.40E-08	2.14E-08	3.85E-10	-2.10E-08
4718	475363.09, 3860877.25	3.07E-07	5.52E-09	-3.01E-07	1.29E-08	2.32E-10	-1.27E-08	1.93E-08	3.48E-10	-1.90E-08
4719	475863.09, 3860877.25	2.72E-07	4.90E-09	-2.67E-07	1.15E-08	2.06E-10	-1.12E-08	1.71E-08	3.09E-10	-1.68E-08
4720	476363.09, 3860877.25	2.42E-07	4.36E-09	-2.38E-07	1.02E-08	1.83E-10	-1.00E-08	1.53E-08	2.75E-10	-1.50E-08
4721	476863.09, 3860877.25	2.36E-07	4.26E-09	-2.32E-07	9.95E-09	1.79E-10	-9.77E-09	1.49E-08	2.68E-10	-1.46E-08
4722	477363.09, 3860877.25	2.42E-07	4.36E-09	-2.38E-07	1.02E-08	1.83E-10	-1.00E-08	1.53E-08	2.75E-10	-1.50E-08
4723	477863.09, 3860877.25	2.28E-07	4.10E-09	-2.24E-07	9.58E-09	1.73E-10	-9.41E-09	1.44E-08	2.58E-10	-1.41E-08
4724	478363.09, 3860877.25	2.01E-07	3.61E-09	-1.97E-07	8.44E-09	1.52E-10	-8.29E-09	1.26E-08	2.27E-10	-1.24E-08
4725	478863.09, 3860877.25	2.66E-07	4.80E-09	-2.62E-07	1.12E-08	2.02E-10	-1.10E-08	1.68E-08	3.02E-10	-1.65E-08
4726	479363.09, 3860877.25	3.51E-07	6.32E-09	-3.45E-07	1.48E-08	2.66E-10	-1.45E-08	2.21E-08	3.98E-10	-2.17E-08
4727	479863.09, 3860877.25	4.73E-07	8.51E-09	-4.64E-07	1.99E-08	3.58E-10	-1.95E-08	2.98E-08	5.36E-10	-2.92E-08
4728	480363.09, 3860877.25	5.90E-07	1.06E-08	-5.80E-07	2.48E-08	4.47E-10	-2.44E-08	3.72E-08	6.69E-10	-3.65E-08
4729	480863.09, 3860877.25	6.68E-07	1.20E-08	-6.56E-07	2.81E-08	5.06E-10	-2.76E-08	4.21E-08	7.57E-10	-4.13E-08
4730	481363.09, 3860877.25	7.39E-07	1.33E-08	-7.26E-07	3.11E-08	5.60E-10	-3.05E-08	4.66E-08	8.38E-10	-4.57E-08
4731	481863.09, 3860877.25	7.72E-07	1.39E-08	-7.58E-07	3.25E-08	5.85E-10	-3.19E-08	4.86E-08	8.76E-10	-4.78E-08
4732	482363.09, 3860877.25	8.52E-07	1.53E-08	-8.37E-07	3.59E-08	6.46E-10	-3.52E-08	5.37E-08	9.67E-10	-5.27E-08
4733	482863.09, 3860877.25	9.06E-07	1.63E-08	-8.89E-07	3.81E-08	6.86E-10	-3.74E-08	5.70E-08	1.03E-09	-5.60E-08
4734	483363.09, 3860877.25	9.77E-07	1.76E-08	-9.60E-07	4.11E-08	7.40E-10	-4.04E-08	6.16E-08	1.11E-09	-6.04E-08
4735	483863.09, 3860877.25	1.09E-06	1.96E-08	-1.07E-06	4.57E-08	8.23E-10	-4.49E-08	6.84E-08	1.23E-09	-6.72E-08
4736	484363.09, 3860877.25	1.36E-06	2.45E-08	-1.33E-06	5.71E-08	1.03E-09	-5.61E-08	8.56E-08	1.54E-09	-8.40E-08
4737	484863.09, 3860877.25	1.68E-06	3.03E-08	-1.65E-06	7.08E-08	1.27E-09	-6.95E-08	1.06E-07	1.91E-09	-1.04E-07
4738	485363.09, 3860877.25	1.81E-06	3.26E-08	-1.78E-06	7.62E-08	1.37E-09	-7.48E-08	1.14E-07	2.05E-09	-1.12E-07
4739	485863.09, 3860877.25	1.89E-06	3.40E-08	-1.85E-06	7.94E-08	1.43E-09	-7.80E-08	1.19E-07	2.14E-09	-1.17E-07
4740	486363.09, 3860877.25	2.19E-06	3.94E-08	-2.15E-06	9.21E-08	1.66E-09	-9.04E-08	1.38E-07	2.48E-09	-1.35E-07
4741	486863.09, 3860877.25	2.44E-06	4.39E-08	-2.40E-06	1.03E-07	1.85E-09	-1.01E-07	1.54E-07	2.77E-09	-1.51E-07
4742	487363.09, 3860877.25	2.71E-06	4.87E-08	-2.66E-06	1.14E-07	2.05E-09	-1.12E-07	1.70E-07	3.07E-09	-1.67E-07
4743	487863.09, 3860877.25	3.02E-06	5.44E-08	-2.97E-06	1.27E-07	2.29E-09	-1.25E-07	1.90E-07	3.43E-09	-1.87E-07
4744	488363.09, 3860877.25	2.94E-06	5.30E-08	-2.89E-06	1.24E-07	2.23E-09	-1.22E-07	1.85E-07	3.34E-09	-1.82E-07
4745	488863.09, 3860877.25	3.57E-06	6.43E-08	-3.50E-06	1.50E-07	2.70E-09	-1.47E-07	2.25E-07	4.05E-09	-2.21E-07
4746	489363.09, 3860877.25	3.58E-06	6.45E-08	-3.52E-06	1.51E-07	2.71E-09	-1.48E-07	2.26E-07	4.06E-09	-2.22E-07
4747	489863.09, 3860877.25	4.99E-06	8.98E-08	-4.90E-06	2.10E-07	3.78E-09	-2.06E-07	3.14E-07	5.66E-09	-3.09E-07
4748	490363.09, 3860877.25	5.93E-06	1.07E-07	-5.83E-06	2.50E-07	4.49E-09	-2.45E-07	3.74E-07	6.73E-09	-3.67E-07
4749	490863.09, 3860877.25	7.51E-06	1.35E-07	-7.38E-06	3.16E-07	5.69E-09	-3.10E-07	4.73E-07	8.52E-09	-4.65E-07
4750	491363.09, 3860877.25	1.00E-05	1.81E-07	-9.86E-06	4.22E-07	7.60E-09	-4.15E-07	6.33E-07	1.14E-08	-6.21E-07
4751	491863.09, 3860877.25	1.41E-05	2.54E-07	-1.38E-05	5.93E-07	1.07E-08	-5.82E-07	8.88E-07	1.60E-08	-8.72E-07
4752	492363.09, 3860877.25	4.78E-05	8.61E-07	-4.69E-05	2.01E-06	3.62E-08	-1.97E-06	3.01E-06	5.42E-08	-2.96E-06
4753	492863.09, 3860877.25	2.12E-04	3.81E-06	-2.08E-04	8.90E-06	1.60E-07	-8.74E-06	1.33E-05	2.40E-07	-1.31E-05
4754	493363.09, 3860877.25	8.19E-05	1.47E-06	-8.04E-05	3.44E-06	6.20E-08	-3.38E-06	5.16E-06	9.28E-08	-5.06E-06
4755	493863.09, 3860877.25	6.92E-05	1.25E-06	-6.80E-05	2.91E-06	5.24E-08	-2.86E-06	4.36E-06	7.85E-08	-4.28E-06
4756	494363.09, 3860877.25	5.89E-05	1.06E-06	-5.79E-05	2.48E-06	4.46E-08	-2.43E-06	3.71E-06	6.68E-08	-3.65E-06
4757	494863.09, 3860877.25	4.56E-05	8.21E-07	-4.48E-05	1.92E-06	3.45E-08	-1.88E-06	2.87E-06	5.17E-08	-2.82E-06
4758	495363.09, 3860877.25	3.68E-05	6.63E-07	-3.61E-05	1.55E-06	2.79E-08	-1.52E-06	2.32E-06	4.17E-08	-2.28E-06
4759	495863.09, 3860877.25	3.48E-05	6.26E-07	-3.41E-05	1.46E-06	2.63E-08	-1.44E-06	2.19E-06	3.94E-08	-2.15E-06
4760	496363.09, 3860877.25	2.83E-05	5.09E-07	-2.78E-05	1.19E-06	2.14E-08	-1.17E-06	1.78E-06	3.21E-08	-1.75E-06
4761	496863.09, 3860877.25	2.13E-05	3.84E-07	-2.10E-05	8.98E-07	1.62E-08	-8.82E-07	1.34E-06	2.42E-08	-1.32E-06
4762	497363.09, 3860877.25	2.23E-05	4.01E-07	-2.19E-05	9.37E-07	1.69E-08	-9.20E-07	1.40E-06	2.53E-08	-1.38E-06
4763	497863.09, 3860877.25	2.10E-05	3.77E-07	-2.06E-05	8.82E-07	1.59E-08	-8.66E-07	1.32E-06	2.38E-08	-1.30E-06
4764	498363.09, 3860877.25	2.43E-05	4.37E-07	-2.38E-05	1.02E-06	1.84E-08	-1.00E-06	1.53E-06	2.75E-08	-1.50E-06
4765	471363.09, 3861377.25	3.14E-07	5.65E-09	-3.08E-07	1.32E-08	2.38E-10	-1.30E-08	1.98E-08	3.56E-10	-1.94E-08
4766	471863.09, 3861377.25	3.25E-07	5.86E-09	-3.19E-07	1.37E-08	2.46E-10	-1.34E-08	2.05E-08	3.69E-10	-2.01E-08
4767	472363.09, 3861377.25	3.38E-07	6.09E-09	-3.32E-07	1.42E-08	2.56E-10	-1.40E-08	2.13E-08	3.83E-10	-2.09E-08
4768	472863.09, 3861377.25	3.60E-07	6.47E-09	-3.53E-07	1.51E-08	2.72E-10	-1.49E-08	2.27E-08	4.08E-10	-2.22E-08
4769	473363.09, 3861377.25	3.70E-07	6.66E-09	-3.63E-07	1.56E-08	2.80E-10	-1.53E-08	2.33E-08	4.19E-10	-2.29E-08
4770	473863.09, 3861377.25	3.64E-07	6.55E-09	-3.57E-07	1.53E-08	2.76E-10	-1.50E-08	2.29E-08	4.13E-10	-2.25E-08
4771	474363.09, 3861377.25	3.85E-07	6.94E-09	-3.78E-07	1.62E-08	2.92E-10	-1.59E-08	2.43E-08	4.37E-10	-2.38E-08
4772	474863.09, 3861377.25	3.71E-07	6.68E-09	-3.64E-07	1.56E-08	2.81E-10	-1.53E-08	2.34E-08	4.21E-10	-2.30E-08
4773	475363.09, 3861377.25	3.93E-07	7.07E-09	-3.86E-07	1.65E-08	2.97E-10	-1.62E-08	2.47E-08	4.45E-10	-2.43E-08
4774	475863.09, 3861377.25	3.57E-07	6.42E-09	-3.50E-07	1.50E-08	2.70E-10	-1.47E-08	2.25E-08	4.05E-10	-2.21E-08
4775	476363.09, 3861377.25	3.24E-07	5.83E-09	-3.18E-07	1.36E-08	2.45E-10	-1.34E-08	2.04E-08	3.67E-10	-2.00E-08
4776	476863.09, 3861377.25	3.07E-07	5.52E-09	-3.01E-07	1.29E-08	2.32E-10	-1.27E-08	1.93E-08	3.48E-10	-1.90E-08
4777	477363.09, 3861377.25	2.99E-07	5.39E-09	-2.94E-07	1.26E-08	2.27E-10	-1.24E-08	1.89E-08	3.40E-10	-1.85E-08
4778	477863.09, 3861377.25	2.54E-07	4.57E-09	-2.49E-07	1.07E-08	1.92E-10	-1.05E-08	1.60E-08	2.88E-10	-1.57E-08
4779	478363.09, 3861377.25	2.09E-07	3.77E-09	-2.05E-07	8.80E-09	1.58E-10	-8.64E-09	1.32E-08	2.37E-10	-1.29E-08
4780	478863.09, 3861377.25	2.29E-07	4.13E-09	-2.25E-07	9.64E-09	1.74E-10	-9.47E-09	1.44E-08	2.60E-10	-1.42E-08
4781	479363.09, 3861377.25	3.34E-07	6.01E-09	-3.28E-07	1.40E-08	2.53E-10	-1.38E-08	2.10E-08	3.79E-10	-2.07E-08
4782	479863.09, 3861377.25	4.77E-07	8.59E-09	-4.69E-07	2.01E-08	3.61E-10	-1.97E-08	3.01E-08	5.41E-10	-2.95E-08
4783	480363.09, 3861377.25	6.49E-07	1.17E-08	-6.37E-07	2.73E-08	4.92E-10	-2.68E-08	4.09E-08	7.36E-10	-4.02E-08
4784	480863.09, 3861377.25	7.62E-07	1.37E-08	-7.49E-07	3.21E-08	5.77E-10	-3.15E-08	4.80E-08	8.64E-10	-4.72E-08
4785	481363.09, 3861377.25	8.42E-07	1.52E-08	-8.27E-07	3.54E-08	6.38E-10	-3.48E-08	5.31E-08	9.55E-10	-5.21E-08
4786	481863.09, 3861377.25	8.85E-07	1.59E-08	-8.70E-07	3.73E-08	6.71E-10	-3.66E-08	5.58E-08	1.00E-09	-5.48E-08
4787	482363.09, 3861377.25	9.61E-07	1.73E-08	-9.44E-07	4.04E-08	7.28E-10	-3.97E-08	6.06E-08	1.09E-09	-5.95E-08
4788	482863.09, 3861377.25	1.04E-06	1.88E-08	-1.02E-06	4.38E-08	7.89E-10	-4.30E-08	6.56E-08	1.18E-09	-6.44E-08
4789	483363.09, 3861377.25	1.12E-06	2.02E-08	-1.10E-06	4.73E-08	8.52E-10	-4.65E-08	7.09E-08	1.28E-09	-6.96E-08
4790	483863.09, 3861377.25	1.26E-06	2.27E-08	-1.24E-06	5.31E-08	9.56E-10	-5.21E-08	7.95E-08	1.43E-09	-7.81E-08
4791	484363.09, 3861377.25	1.31E-06	2.36E-08	-1.29E-06	5.52E-08	9.93E-10	-5.42E-08	8.26E-08	1.49E-09	-8.11E-08
4792	484863.09, 3861377.25	1.70E-06	3.06E-08	-1.67E-06	7.14E-08	1.29E-09	-7.01E-08	1.07E-07	1.93E-09	-1.05E-07
4793	485363.09, 3861377.25	2.00E-06	3.61E-08	-1.97E-06	8.43E-08	1.52E-09	-8.27E-08	1.26E-07	2.27E-09	-1.24E-07
4794	485863.09, 3861377.25	2.15E-06	3.86E-08	-2.11E-06	9.03E-08	1.63E-09	-8.87E-08	1.35E-07	2.43E-09	-1.33E-07
4795	486363.09, 3861377.25	2.37E-06	4.26E-08	-2.32E-06	9.96E-08	1.79E-09	-9.78E-08	1.49E-07	2.68E-09	-1.46E-07
4796	486863.09, 3861377.25	2.61E-06	4.70E-08	-2.56E-06	1.10E-07	1.98E-09	-1.08E-07	1.64E-07	2.96E-09	-1.61E-07
4797	487363.09, 3861377.25	2.92E-06	5.25E-08	-2.86E-06	1.23E-07	2.21E-09	-1.21E-07	1.84E-07	3.31E-09	-1.80E-07
4798	487863.09, 3861377.25	3.26E-06	5.86E-08	-3.20E-06	1.37E-07	2.47E-09	-1.35E-07	2.05E-07	3.69E-09	-2.01E-07
4799	488363.09, 3861377.25	3.75E-06	6.76E-08	-3.68E-06	1.58E-07	2.84E-09	-1.55E-07	2.36E-07	4.26E-09	-2.32E-07
4800	488863.09, 3861377.25	4.16E-06	7.48E-08	-4.08E-06	1.75E-07	3.15E-09	-1.72E-07	2.62E-07	4.71E-09	-2.57E-07
4801	489363.09, 3861377.25	4.88E-06	8.79E-08	-4.79E-06	2.05E-07	3.70E-09	-2.02E-07	3.08E-07	5.54E-09	-3.02E-07
4802	489863.09, 3861377.25	5.67E-06	1.02E-07	-5.56E-06	2.38E-07	4.29E-09	-2.34E-07	3.57E-07	6.43E-09	-3.50E-07
4803	490363.09, 3861377.25	6.97E-06	1.25E-07	-6.84E-06	2.93E-07	5.28E-09	-2.88E-07	4.39E-07	7.90E-09	-4.31E-07
4804	490863.09, 3861377.25	8.68E-06	1.56E-07	-8.52E-06	3.65E-07	6.58E-09	-3.59E-07	5.47E-07	9.85E-09	-5.37E-07
4805	491363.09, 3861377.25	1.13E-05	2.04E-07	-1.11E-05	4.76E-07	8.57E-09	-4.67E-07	7.13E-07	1.28E-08	-7.00E-07
4806	491863.09, 3861377.25	1.57E-05	2.82E-07	-1.54E-05	6.58E-07	1.19E-08	-6.47E-07	9.86E-07	1.77E-08	-9.68E-07
4807	492363.09, 3861377.25	2.65E-05	4.77E-07	-2.60E-05	1.11E-06	2.01E-08	-1.09E-06	1.67E-06	3.01E-08	-1.64E-06
4808	492863.09, 3861377.25	4.41E-05	7.94E-07	-4.33E-05	1.85E-06	3.34E-08	-1.82E-06	2.78E-06	5.00E-08	-2.73E-06
4809	493363.09, 3861377.25	7.77E-05	1.40E-06	-7.63E-05	3.27E-06	5.89E-08	-3.21E-06	4.90E-06	8.81E-08	-4.81E-06
4810	493863.09, 3861377.25	1.58E-04	2.85E-06	-1.55E-04	6.66E-06	1.20E-07	-6.54E-06	9.97E-06	1.80E-07	-9.80E-06
4811	494363.09, 3861377.25	6.01E-04	1.08E-05	-5.90E-04	2.53E-05	4.55E-07	-2.48E-05	3.78E-05	6.81E-07	-3.72E-05

4812	494863.09, 3861377.25	3.13E-04	5.63E-06	-3.07E-04	1.31E-05	2.37E-07	-1.29E-05	1.97E-05	3.54E-07	-1.93E-05
4813	495363.09, 3861377.25	2.47E-04	4.45E-06	-2.43E-04	1.04E-05	1.87E-07	-1.02E-05	1.56E-05	2.80E-07	-1.53E-05
4814	495863.09, 3861377.25	2.52E-04	4.54E-06	-2.48E-04	1.06E-05	1.91E-07	-1.04E-05	1.59E-05	2.86E-07	-1.56E-05
4815	496363.09, 3861377.25	1.93E-04	3.48E-06	-1.90E-04	8.12E-06	1.46E-07	-7.97E-06	1.22E-05	2.19E-07	-1.19E-05
4816	496863.09, 3861377.25	1.01E-04	1.82E-06	-9.94E-05	4.26E-06	7.67E-08	-4.18E-06	6.38E-06	1.15E-07	-6.26E-06
4817	497363.09, 3861377.25	8.41E-05	1.51E-06	-8.26E-05	3.54E-06	6.37E-08	-3.47E-06	5.30E-06	9.53E-08	-5.20E-06
4818	497863.09, 3861377.25	6.51E-05	1.17E-06	-6.40E-05	2.74E-06	4.93E-08	-2.69E-06	4.10E-06	7.39E-08	-4.03E-06
4819	498363.09, 3861377.25	5.39E-05	9.70E-07	-5.29E-05	2.27E-06	4.08E-08	-2.23E-06	3.40E-06	6.11E-08	-3.33E-06
4820	471363.09, 3861877.25	2.88E-07	5.18E-09	-2.83E-07	1.21E-08	2.18E-10	-1.19E-08	1.81E-08	3.27E-10	-1.78E-08
4821	471863.09, 3861877.25	2.98E-07	5.37E-09	-2.93E-07	1.25E-08	2.26E-10	-1.23E-08	1.88E-08	3.38E-10	-1.84E-08
4822	472363.09, 3861877.25	3.09E-07	5.57E-09	-3.04E-07	1.30E-08	2.34E-10	-1.28E-08	1.95E-08	3.51E-10	-1.91E-08
4823	472863.09, 3861877.25	3.25E-07	5.86E-09	-3.19E-07	1.37E-08	2.46E-10	-1.34E-08	2.05E-08	3.69E-10	-2.01E-08
4824	473363.09, 3861877.25	3.38E-07	6.09E-09	-3.32E-07	1.42E-08	2.56E-10	-1.40E-08	2.13E-08	3.83E-10	-2.09E-08
4825	473863.09, 3861877.25	3.40E-07	6.11E-09	-3.33E-07	1.43E-08	2.57E-10	-1.40E-08	2.14E-08	3.85E-10	-2.10E-08
4826	474363.09, 3861877.25	3.52E-07	6.35E-09	-3.46E-07	1.48E-08	2.67E-10	-1.46E-08	2.22E-08	4.00E-10	-2.18E-08
4827	474863.09, 3861877.25	3.57E-07	6.42E-09	-3.50E-07	1.50E-08	2.70E-10	-1.47E-08	2.25E-08	4.05E-10	-2.21E-08
4828	475363.09, 3861877.25	3.70E-07	6.66E-09	-3.63E-07	1.56E-08	2.80E-10	-1.53E-08	2.33E-08	4.19E-10	-2.29E-08
4829	475863.09, 3861877.25	3.93E-07	7.07E-09	-3.86E-07	1.65E-08	2.97E-10	-1.62E-08	2.47E-08	4.45E-10	-2.43E-08
4830	476363.09, 3861877.25	3.88E-07	6.99E-09	-3.81E-07	1.63E-08	2.94E-10	-1.60E-08	2.45E-08	4.40E-10	-2.40E-08
4831	476863.09, 3861877.25	3.55E-07	6.40E-09	-3.49E-07	1.49E-08	2.69E-10	-1.47E-08	2.24E-08	4.03E-10	-2.20E-08
4832	477363.09, 3861877.25	3.25E-07	5.86E-09	-3.19E-07	1.37E-08	2.46E-10	-1.34E-08	2.05E-08	3.69E-10	-2.01E-08
4833	477863.09, 3861877.25	2.36E-07	4.26E-09	-2.32E-07	9.95E-09	1.79E-10	-9.77E-09	1.49E-08	2.68E-10	-1.46E-08
4834	478363.09, 3861877.25	1.86E-07	3.35E-09	-1.83E-07	7.84E-09	1.41E-10	-7.69E-09	1.17E-08	2.11E-10	-1.15E-08
4835	478863.09, 3861877.25	2.28E-07	4.10E-09	-2.24E-07	9.58E-09	1.73E-10	-9.41E-09	1.44E-08	2.58E-10	-1.41E-08
4836	479363.09, 3861877.25	2.21E-07	3.97E-09	-2.17E-07	9.28E-09	1.67E-10	-9.12E-09	1.39E-08	2.50E-10	-1.36E-08
4837	479863.09, 3861877.25	4.07E-07	7.33E-09	-4.00E-07	1.71E-08	3.08E-10	-1.68E-08	2.56E-08	4.61E-10	-2.52E-08
4838	480363.09, 3861877.25	6.39E-07	1.15E-08	-6.28E-07	2.69E-08	4.84E-10	-2.64E-08	4.03E-08	7.25E-10	-3.95E-08
4839	480863.09, 3861877.25	7.46E-07	1.34E-08	-7.33E-07	3.14E-08	5.65E-10	-3.08E-08	4.70E-08	8.47E-10	-4.62E-08
4840	481363.09, 3861877.25	8.34E-07	1.50E-08	-8.19E-07	3.51E-08	6.32E-10	-3.44E-08	5.25E-08	9.46E-10	-5.16E-08
4841	481863.09, 3861877.25	8.95E-07	1.61E-08	-8.79E-07	3.77E-08	6.78E-10	-3.70E-08	5.64E-08	1.02E-09	-5.54E-08
4842	482363.09, 3861877.25	9.69E-07	1.74E-08	-9.51E-07	4.07E-08	7.34E-10	-4.00E-08	6.10E-08	1.10E-09	-5.99E-08
4843	482863.09, 3861877.25	1.02E-06	1.84E-08	-1.00E-06	4.29E-08	7.73E-10	-4.21E-08	6.43E-08	1.16E-09	-6.31E-08
4844	483363.09, 3861877.25	1.12E-06	2.02E-08	-1.10E-06	4.73E-08	8.51E-10	-4.64E-08	7.08E-08	1.27E-09	-6.95E-08
4845	483863.09, 3861877.25	1.25E-06	2.25E-08	-1.23E-06	5.25E-08	9.45E-10	-5.16E-08	7.86E-08	1.42E-09	-7.72E-08
4846	484363.09, 3861877.25	1.47E-06	2.64E-08	-1.44E-06	6.17E-08	1.11E-09	-6.06E-08	9.24E-08	1.66E-09	-9.08E-08
4847	484863.09, 3861877.25	1.57E-06	2.82E-08	-1.54E-06	6.59E-08	1.19E-09	-6.47E-08	9.87E-08	1.78E-09	-9.69E-08
4848	485363.09, 3861877.25	1.89E-06	3.40E-08	-1.86E-06	7.96E-08	1.43E-09	-7.81E-08	1.19E-07	2.14E-09	-1.17E-07
4849	485863.09, 3861877.25	2.25E-06	4.04E-08	-2.21E-06	9.45E-08	1.70E-09	-9.28E-08	1.42E-07	2.55E-09	-1.39E-07
4850	486363.09, 3861877.25	2.47E-06	4.44E-08	-2.42E-06	1.04E-07	1.87E-09	-1.02E-07	1.55E-07	2.80E-09	-1.53E-07
4851	486863.09, 3861877.25	2.74E-06	4.92E-08	-2.69E-06	1.15E-07	2.07E-09	-1.13E-07	1.72E-07	3.10E-09	-1.69E-07
4852	487363.09, 3861877.25	3.05E-06	5.50E-08	-3.00E-06	1.28E-07	2.31E-09	-1.26E-07	1.92E-07	3.46E-09	-1.89E-07
4853	487863.09, 3861877.25	3.48E-06	6.27E-08	-3.42E-06	1.47E-07	2.64E-09	-1.44E-07	2.19E-07	3.95E-09	-2.15E-07
4854	488363.09, 3861877.25	4.01E-06	7.23E-08	-3.94E-06	1.69E-07	3.04E-09	-1.66E-07	2.53E-07	4.55E-09	-2.48E-07
4855	488863.09, 3861877.25	4.59E-06	8.26E-08	-4.51E-06	1.93E-07	3.48E-09	-1.90E-07	2.89E-07	5.21E-09	-2.84E-07
4856	489363.09, 3861877.25	5.42E-06	9.77E-08	-5.33E-06	2.28E-07	4.11E-09	-2.24E-07	3.42E-07	6.15E-09	-3.36E-07
4857	489863.09, 3861877.25	6.34E-06	1.14E-07	-6.23E-06	2.67E-07	4.81E-09	-2.62E-07	4.00E-07	7.20E-09	-3.92E-07
4858	490363.09, 3861877.25	8.01E-06	1.44E-07	-7.87E-06	3.37E-07	6.07E-09	-3.31E-07	5.05E-07	9.09E-09	-4.96E-07
4859	490863.09, 3861877.25	9.67E-06	1.74E-07	-9.50E-06	4.07E-07	7.32E-09	-4.00E-07	6.09E-07	1.10E-08	-5.98E-07
4860	491363.09, 3861877.25	1.20E-05	2.15E-07	-1.18E-05	5.04E-07	9.07E-09	-4.94E-07	7.54E-07	1.36E-08	-7.40E-07
4861	491863.09, 3861877.25	1.57E-05	2.83E-07	-1.54E-05	6.61E-07	1.19E-08	-6.49E-07	9.89E-07	1.78E-08	-9.71E-07
4862	492363.09, 3861877.25	2.18E-05	3.93E-07	-2.14E-05	9.18E-07	1.65E-08	-9.01E-07	1.37E-06	2.47E-08	-1.35E-06
4863	492863.09, 3861877.25	2.98E-05	5.37E-07	-2.93E-05	1.25E-06	2.26E-08	-1.23E-06	1.88E-06	3.38E-08	-1.84E-06
4864	493363.09, 3861877.25	4.13E-05	7.43E-07	-4.05E-05	1.74E-06	3.13E-08	-1.71E-06	2.60E-06	4.68E-08	-2.55E-06
4865	493863.09, 3861877.25	6.09E-05	1.10E-06	-5.98E-05	2.56E-06	4.61E-08	-2.51E-06	3.83E-06	6.90E-08	-3.77E-06
4866	494363.09, 3861877.25	1.10E-04	1.97E-06	-1.08E-04	4.61E-06	8.30E-08	-4.53E-06	6.90E-06	1.24E-07	-6.78E-06
4867	494863.09, 3861877.25	2.53E-04	4.56E-06	-2.49E-04	1.07E-05	1.92E-07	-1.05E-05	1.60E-05	2.87E-07	-1.57E-05
4868	495363.09, 3861877.25	9.21E-04	1.66E-05	-9.04E-04	3.87E-05	6.97E-07	-3.80E-05	5.80E-05	1.04E-06	-5.70E-05
4869	495863.09, 3861877.25	1.37E-03	2.46E-05	-1.34E-03	5.75E-05	1.03E-06	-5.64E-05	8.61E-05	1.55E-06	-8.45E-05
4870	496363.09, 3861877.25	8.11E-04	1.46E-05	-7.96E-04	3.41E-05	6.14E-07	-3.35E-05	5.11E-05	9.20E-07	-5.02E-05
4871	496863.09, 3861877.25	1.78E-04	3.20E-06	-1.74E-04	7.47E-06	1.35E-07	-7.34E-06	1.12E-05	2.02E-07	-1.10E-05
4872	497363.09, 3861877.25	2.45E-04	4.42E-06	-2.41E-04	1.03E-05	1.86E-07	-1.01E-05	1.55E-05	2.78E-07	-1.52E-05
4873	497863.09, 3861877.25	2.04E-04	3.67E-06	-2.00E-04	8.58E-06	1.54E-07	-8.43E-06	1.28E-05	2.31E-07	-1.26E-05
4874	498363.09, 3861877.25	1.64E-04	2.95E-06	-1.61E-04	6.90E-06	1.24E-07	-6.78E-06	1.03E-05	1.86E-07	-1.01E-05
4875	471363.09, 3862377.25	3.30E-07	5.93E-09	-3.24E-07	1.39E-08	2.50E-10	-1.36E-08	2.08E-08	3.74E-10	-2.04E-08
4876	471863.09, 3862377.25	3.38E-07	6.09E-09	-3.32E-07	1.42E-08	2.56E-10	-1.40E-08	2.13E-08	3.83E-10	-2.09E-08
4877	472363.09, 3862377.25	3.60E-07	6.47E-09	-3.53E-07	1.51E-08	2.72E-10	-1.49E-08	2.27E-08	4.08E-10	-2.22E-08
4878	472863.09, 3862377.25	3.75E-07	6.76E-09	-3.69E-07	1.58E-08	2.84E-10	-1.55E-08	2.36E-08	4.26E-10	-2.32E-08
4879	473363.09, 3862377.25	3.90E-07	7.02E-09	-3.83E-07	1.64E-08	2.95E-10	-1.61E-08	2.45E-08	4.42E-10	-2.41E-08
4880	473863.09, 3862377.25	4.05E-07	7.30E-09	-3.98E-07	1.71E-08	3.07E-10	-1.68E-08	2.55E-08	4.60E-10	-2.51E-08
4881	474363.09, 3862377.25	4.10E-07	7.38E-09	-4.02E-07	1.72E-08	3.10E-10	-1.69E-08	2.58E-08	4.65E-10	-2.53E-08
4882	474863.09, 3862377.25	3.98E-07	7.17E-09	-3.91E-07	1.68E-08	3.02E-10	-1.65E-08	2.51E-08	4.52E-10	-2.46E-08
4883	475363.09, 3862377.25	4.40E-07	7.92E-09	-4.32E-07	1.85E-08	3.33E-10	-1.82E-08	2.77E-08	4.99E-10	-2.72E-08
4884	475863.09, 3862377.25	4.71E-07	8.49E-09	-4.63E-07	1.98E-08	3.57E-10	-1.95E-08	2.97E-08	5.35E-10	-2.92E-08
4885	476363.09, 3862377.25	4.76E-07	8.56E-09	-4.67E-07	2.00E-08	3.60E-10	-1.97E-08	3.00E-08	5.39E-10	-2.94E-08
4886	476863.09, 3862377.25	4.60E-07	8.28E-09	-4.52E-07	1.93E-08	3.48E-10	-1.90E-08	2.90E-08	5.22E-10	-2.85E-08
4887	477363.09, 3862377.25	4.10E-07	7.38E-09	-4.02E-07	1.72E-08	3.10E-10	-1.69E-08	2.58E-08	4.65E-10	-2.53E-08
4888	477863.09, 3862377.25	2.81E-07	5.06E-09	-2.76E-07	1.18E-08	2.13E-10	-1.16E-08	1.77E-08	3.18E-10	-1.74E-08
4889	478363.09, 3862377.25	2.36E-07	4.26E-09	-2.32E-07	9.95E-09	1.79E-10	-9.77E-09	1.49E-08	2.68E-10	-1.46E-08
4890	478863.09, 3862377.25	2.56E-07	4.62E-09	-2.52E-07	1.08E-08	1.94E-10	-1.06E-08	1.62E-08	2.91E-10	-1.59E-08
4891	479363.09, 3862377.25	2.88E-07	5.18E-09	-2.83E-07	1.21E-08	2.18E-10	-1.19E-08	1.81E-08	3.27E-10	-1.78E-08
4892	479863.09, 3862377.25	5.00E-07	9.00E-09	-4.91E-07	2.10E-08	3.79E-10	-2.07E-08	3.15E-08	5.67E-10	-3.09E-08
4893	480363.09, 3862377.25	7.44E-07	1.34E-08	-7.30E-07	3.13E-08	5.63E-10	-3.07E-08	4.68E-08	8.43E-10	-4.60E-08
4894	480863.09, 3862377.25	8.65E-07	1.56E-08	-8.50E-07	3.64E-08	6.55E-10	-3.58E-08	5.45E-08	9.81E-10	-5.35E-08
4895	481363.09, 3862377.25	9.36E-07	1.68E-08	-9.19E-07	3.94E-08	7.09E-10	-3.87E-08	5.89E-08	1.06E-09	-5.79E-08
4896	481863.09, 3862377.25	1.04E-06	1.86E-08	-1.02E-06	4.36E-08	7.85E-10	-4.28E-08	6.53E-08	1.17E-09	-6.41E-08
4897	482363.09, 3862377.25	1.11E-06	1.99E-08	-1.09E-06	4.66E-08	8.39E-10	-4.58E-08	6.98E-08	1.26E-09	-6.85E-08
4898	482863.09, 3862377.25	1.18E-06	2.12E-08	-1.16E-06	4.95E-08	8.91E-10	-4.86E-08	7.41E-08	1.33E-09	-7.28E-08
4899	483363.09, 3862377.25	1.25E-06	2.25E-08	-1.23E-06	5.27E-08	9.48E-10	-5.17E-08	7.89E-08	1.42E-09	-7.75E-08
4900	483863.09, 3862377.25	1.51E-06	2.72E-08	-1.48E-06	6.35E-08	1.14E-09	-6.23E-08	9.50E-08	1.71E-09	-9.33E-08
4901	484363.09, 3862377.25	1.58E-06	2.85E-08	-1.55E-06	6.65E-08	1.20E-09	-6.53E-08	9.96E-08	1.79E-09	-9.79E-08
4902	484863.09, 3862377.25	1.95E-06	3.51E-08	-1.91E-06	8.20E-08	1.48E-09	-8.06E-08	1.23E-07	2.21E-09	-1.21E-07
4903	485363.09, 3862377.25	2.30E-06	4.15E-08	-2.26E-06	9.69E-08	1.74E-09	-9.51E-08	1.45E-07	2.61E-09	-1.42E-07
4904	485863.09, 3862377.25	2.55E-06	4.59E-08	-2.50E-06	1.07E-07	1.93E-09	-1.05E-07	1.60E-07	2.89E-09	-1.58E-07
4905	486363.09, 3862377.25	2.89E-06	5.21E-08	-2.84E-06	1.22E-07	2.19E-09	-1.20E-07	1.82E-07	3.28E-09	-1.79E-07
4906	486863.09, 3862377.25	3.21E-06	5.78E-08	-3.15E-06	1.35E-07	2.43E-09	-1.33E-07	2.02E-07	3.64E-09	-1.99E-07
4907	487363.09, 3862377.25	3.57E-06	6.42E-08	-3.50E-06	1.50E-07	2.70E-09	-1.47E-07	2.25E-07	4.05E-09	-2.21E-07
4908	487863.09, 3862377.25	4.00E-06	7.20E-08	-3.93E-06	1.68E-07	3.03E-09	-1.65E-07	2.52E-07	4.54E-09	-2.47E-07
4909	488363.09, 3862377.25	4.56E-06	8.22E-08	-4.48E-06	1.92E-07	3.46E-09	-1.89E-07	2.87E-07	5.18E-09	-2.82E-07
4910	488863.09, 3862377.25	5.16E-06	9.28E-08	-5.06E-06	2.17E-07	3.90E-09	-2.13E-07	3.25E-07	5.85E-09	-3.19E-07
4911	489363.09, 3862377.25	5.91E-06	1.06E-07	-5.81E-06	2.49E-07	4.48E-09	-2.44E-07	3.73E-07	6.71E-09	-3.66E-07
4912	489863.09, 3862377.25	6.86E-06	1.24E-07	-6.74E-06	2.89E-07	5.20E-09	-2.83E-07	4.32E-07	7.78E-09	-4.24E-07
4913	490363.09, 3862377.25	7.99E-06	1.44E-07	-7.84E-06	3.36E-07	6.05E-09	-3.30E-07	5.03E-07	9.06E-09	-4.94E-07
4914	490863.09, 3862377.25	9.69E-06	1.74E-07	-9.51E-06	4.08E-07	7.34E-09	-4.00E-07	6.10E-07	1.10E-08	-5.99E-07
4915	491363.09, 3862377.25	1.20E-05	2.16E-07	-1.18E-05	5.04E-07	9.07E-09	-4.95E-07	7.54E-07	1.36E-08	-7.41E-07
4916	491863.09, 3862377.25	1.55E-05	2.79E-07	-1.52E-05	6.51E-07	1.17E-08	-6.40E-07	9.76E-07	1.76E-08	-9.58E-07
4917	492363.09, 3862377.25	1.96E-05	3.53E-07	-1.93E-05	8.26E-07	1.49E-08	-8.11E-07	1.24E-06	2.23E-08	-1.21E-06
4918	492863.09, 3862377.25	2.48E-05	4.46E-07	-2.43E-05	1.04E-06	1.88E-08	-1.02E-06	1.56E-06	2.81E-08	-1.53E-06

4919	493363.09, 3862377.25	3.16E-05	5.69E-07	-3.11E-05	1.33E-06	2.39E-08	-1.31E-06	1.99E-06	3.59E-08	-1.96E-06
4920	493863.09, 3862377.25	4.20E-05	7.56E-07	-4.12E-05	1.77E-06	3.18E-08	-1.73E-06	2.64E-06	4.76E-08	-2.60E-06
4921	494363.09, 3862377.25	5.72E-05	1.03E-06	-5.62E-05	2.41E-06	4.33E-08	-2.36E-06	3.60E-06	6.49E-08	-3.54E-06
4922	494863.09, 3862377.25	8.09E-05	1.46E-06	-7.95E-05	3.40E-06	6.13E-08	-3.34E-06	5.10E-06	9.18E-08	-5.01E-06
4923	495363.09, 3862377.25	1.09E-04	1.96E-06	-1.07E-04	4.59E-06	8.26E-08	-4.50E-06	6.87E-06	1.24E-07	-6.74E-06
4924	495863.09, 3862377.25	1.53E-04	2.75E-06	-1.50E-04	6.43E-06	1.16E-07	-6.31E-06	9.63E-06	1.73E-07	-9.46E-06
4925	496363.09, 3862377.25	2.21E-04	3.98E-06	-2.17E-04	9.30E-06	1.68E-07	-9.14E-06	1.39E-05	2.51E-07	-1.37E-05
4926	496863.09, 3862377.25	3.42E-04	6.16E-06	-3.36E-04	1.44E-05	2.59E-07	-1.41E-05	2.15E-05	3.88E-07	-2.12E-05
4927	497363.09, 3862377.25	5.01E-04	9.02E-06	-4.92E-04	2.11E-05	3.79E-07	-2.07E-05	3.16E-05	5.68E-07	-3.10E-05
4928	497863.09, 3862377.25	4.98E-04	8.97E-06	-4.89E-04	2.10E-05	3.77E-07	-2.06E-05	3.14E-05	5.65E-07	-3.08E-05
4929	498363.09, 3862377.25	3.59E-04	6.47E-06	-3.53E-04	1.51E-05	2.72E-07	-1.48E-05	2.26E-05	4.07E-07	-2.22E-05
4930	471363.09, 3862877.25	3.90E-07	7.02E-09	-3.83E-07	1.64E-08	2.95E-10	-1.61E-08	2.45E-08	4.42E-10	-2.41E-08
4931	471863.09, 3862877.25	4.05E-07	7.30E-09	-3.98E-07	1.71E-08	3.07E-10	-1.68E-08	2.55E-08	4.60E-10	-2.51E-08
4932	472363.09, 3862877.25	4.27E-07	7.69E-09	-4.19E-07	1.80E-08	3.23E-10	-1.76E-08	2.69E-08	4.84E-10	-2.64E-08
4933	472863.09, 3862877.25	4.40E-07	7.92E-09	-4.32E-07	1.85E-08	3.33E-10	-1.82E-08	2.77E-08	4.99E-10	-2.72E-08
4934	473363.09, 3862877.25	4.61E-07	8.31E-09	-4.53E-07	1.94E-08	3.49E-10	-1.91E-08	2.91E-08	5.23E-10	-2.85E-08
4935	473863.09, 3862877.25	4.80E-07	8.64E-09	-4.71E-07	2.02E-08	3.64E-10	-1.98E-08	3.02E-08	5.44E-10	-2.97E-08
4936	474363.09, 3862877.25	4.84E-07	8.72E-09	-4.76E-07	2.04E-08	3.67E-10	-2.00E-08	3.05E-08	5.49E-10	-3.00E-08
4937	474863.09, 3862877.25	4.94E-07	8.90E-09	-4.85E-07	2.08E-08	3.74E-10	-2.04E-08	3.11E-08	5.61E-10	-3.06E-08
4938	475363.09, 3862877.25	5.37E-07	9.67E-09	-5.28E-07	2.26E-08	4.07E-10	-2.22E-08	3.38E-08	6.09E-10	-3.32E-08
4939	475863.09, 3862877.25	5.65E-07	1.02E-08	-5.54E-07	2.37E-08	4.28E-10	-2.33E-08	3.56E-08	6.40E-10	-3.49E-08
4940	476363.09, 3862877.25	5.76E-07	1.04E-08	-5.66E-07	2.42E-08	4.36E-10	-2.38E-08	3.63E-08	6.53E-10	-3.56E-08
4941	476863.09, 3862877.25	5.59E-07	1.01E-08	-5.49E-07	2.35E-08	4.23E-10	-2.31E-08	3.52E-08	6.34E-10	-3.46E-08
4942	477363.09, 3862877.25	5.33E-07	9.60E-09	-5.23E-07	2.24E-08	4.04E-10	-2.20E-08	3.36E-08	6.04E-10	-3.30E-08
4943	477863.09, 3862877.25	4.26E-07	7.66E-09	-4.18E-07	1.79E-08	3.22E-10	-1.76E-08	2.68E-08	4.83E-10	-2.63E-08
4944	478363.09, 3862877.25	3.18E-07	5.73E-09	-3.12E-07	1.34E-08	2.41E-10	-1.31E-08	2.00E-08	3.61E-10	-1.97E-08
4945	478863.09, 3862877.25	3.20E-07	5.75E-09	-3.14E-07	1.34E-08	2.42E-10	-1.32E-08	2.01E-08	3.62E-10	-1.98E-08
4946	479363.09, 3862877.25	3.60E-07	6.47E-09	-3.53E-07	1.51E-08	2.72E-10	-1.49E-08	2.27E-08	4.08E-10	-2.22E-08
4947	479863.09, 3862877.25	7.77E-07	1.40E-08	-7.63E-07	3.27E-08	5.88E-10	-3.21E-08	4.89E-08	8.81E-10	-4.80E-08
4948	480363.09, 3862877.25	1.02E-06	1.83E-08	-9.99E-07	4.28E-08	7.70E-10	-4.20E-08	6.41E-08	1.15E-09	-6.29E-08
4949	480863.09, 3862877.25	1.10E-06	1.99E-08	-1.08E-06	4.64E-08	8.36E-10	-4.56E-08	6.95E-08	1.25E-09	-6.82E-08
4950	481363.09, 3862877.25	1.27E-06	2.29E-08	-1.25E-06	5.36E-08	9.65E-10	-5.26E-08	8.02E-08	1.44E-09	-7.88E-08
4951	481863.09, 3862877.25	1.17E-06	2.11E-08	-1.15E-06	4.93E-08	8.88E-10	-4.84E-08	7.38E-08	1.33E-09	-7.25E-08
4952	482363.09, 3862877.25	1.49E-06	2.67E-08	-1.46E-06	6.25E-08	1.13E-09	-6.14E-08	9.36E-08	1.69E-09	-9.19E-08
4953	482863.09, 3862877.25	1.54E-06	2.77E-08	-1.51E-06	6.48E-08	1.17E-09	-6.36E-08	9.70E-08	1.75E-09	-9.53E-08
4954	483363.09, 3862877.25	1.65E-06	2.97E-08	-1.62E-06	6.93E-08	1.25E-09	-6.81E-08	1.04E-07	1.87E-09	-1.02E-07
4955	483863.09, 3862877.25	1.83E-06	3.29E-08	-1.80E-06	7.69E-08	1.38E-09	-7.55E-08	1.15E-07	2.07E-09	-1.13E-07
4956	484363.09, 3862877.25	1.95E-06	3.51E-08	-1.91E-06	8.19E-08	1.47E-09	-8.04E-08	1.23E-07	2.21E-09	-1.20E-07
4957	484863.09, 3862877.25	2.31E-06	4.16E-08	-2.27E-06	9.73E-08	1.75E-09	-9.55E-08	1.46E-07	2.62E-09	-1.43E-07
4958	485363.09, 3862877.25	2.54E-06	4.57E-08	-2.49E-06	1.07E-07	1.92E-09	-1.05E-07	1.60E-07	2.88E-09	-1.57E-07
4959	485863.09, 3862877.25	2.82E-06	5.07E-08	-2.77E-06	1.19E-07	2.13E-09	-1.16E-07	1.77E-07	3.19E-09	-1.74E-07
4960	486363.09, 3862877.25	3.03E-06	5.45E-08	-2.97E-06	1.27E-07	2.29E-09	-1.25E-07	1.91E-07	3.43E-09	-1.87E-07
4961	486863.09, 3862877.25	3.43E-06	6.17E-08	-3.37E-06	1.44E-07	2.60E-09	-1.42E-07	2.16E-07	3.89E-09	-2.12E-07
4962	487363.09, 3862877.25	3.79E-06	6.81E-08	-3.72E-06	1.59E-07	2.87E-09	-1.56E-07	2.38E-07	4.29E-09	-2.34E-07
4963	487863.09, 3862877.25	4.23E-06	7.62E-08	-4.16E-06	1.78E-07	3.21E-09	-1.75E-07	2.67E-07	4.80E-09	-2.62E-07
4964	488363.09, 3862877.25	4.77E-06	8.59E-08	-4.69E-06	2.01E-07	3.61E-09	-1.97E-07	3.01E-07	5.41E-09	-2.95E-07
4965	488863.09, 3862877.25	5.37E-06	9.67E-08	-5.27E-06	2.26E-07	4.07E-09	-2.22E-07	3.38E-07	6.09E-09	-3.32E-07
4966	489363.09, 3862877.25	6.04E-06	1.09E-07	-5.93E-06	2.54E-07	4.57E-09	-2.49E-07	3.80E-07	6.85E-09	-3.73E-07
4967	489863.09, 3862877.25	6.81E-06	1.23E-07	-6.69E-06	2.87E-07	5.16E-09	-2.82E-07	4.29E-07	7.73E-09	-4.22E-07
4968	490363.09, 3862877.25	7.82E-06	1.41E-07	-7.68E-06	3.29E-07	5.92E-09	-3.23E-07	4.92E-07	8.86E-09	-4.83E-07
4969	490863.09, 3862877.25	9.06E-06	1.63E-07	-8.90E-06	3.81E-07	6.86E-09	-3.74E-07	5.71E-07	1.03E-08	-5.61E-07
4970	491363.09, 3862877.25	1.02E-05	1.83E-07	-1.00E-05	4.29E-07	7.72E-09	-4.21E-07	6.42E-07	1.16E-08	-6.30E-07
4971	491863.09, 3862877.25	1.31E-05	2.37E-07	-1.29E-05	5.53E-07	9.96E-09	-5.43E-07	8.28E-07	1.49E-08	-8.13E-07
4972	492363.09, 3862877.25	1.57E-05	2.83E-07	-1.55E-05	6.62E-07	1.19E-08	-6.50E-07	9.91E-07	1.78E-08	-9.74E-07
4973	492863.09, 3862877.25	1.88E-05	3.39E-07	-1.85E-05	7.92E-07	1.43E-08	-7.78E-07	1.19E-06	2.14E-08	-1.17E-06
4974	493363.09, 3862877.25	2.26E-05	4.06E-07	-2.22E-05	9.50E-07	1.71E-08	-9.33E-07	1.42E-06	2.56E-08	-1.40E-06
4975	493863.09, 3862877.25	2.82E-05	5.07E-07	-2.77E-05	1.19E-06	2.13E-08	-1.16E-06	1.78E-06	3.20E-08	-1.74E-06
4976	494363.09, 3862877.25	3.69E-05	6.65E-07	-3.63E-05	1.55E-06	2.80E-08	-1.53E-06	2.33E-06	4.19E-08	-2.28E-06
4977	494863.09, 3862877.25	4.62E-05	8.32E-07	-4.54E-05	1.95E-06	3.50E-08	-1.91E-06	2.91E-06	5.24E-08	-2.86E-06
4978	495363.09, 3862877.25	5.40E-05	9.73E-07	-5.30E-05	2.27E-06	4.09E-08	-2.23E-06	3.40E-06	6.13E-08	-3.34E-06
4979	495863.09, 3862877.25	6.08E-05	1.09E-06	-5.97E-05	2.56E-06	4.61E-08	-2.51E-06	3.83E-06	6.90E-08	-3.76E-06
4980	496363.09, 3862877.25	6.69E-05	1.21E-06	-6.57E-05	2.82E-06	5.07E-08	-2.77E-06	4.22E-06	7.59E-08	-4.14E-06
4981	496863.09, 3862877.25	7.69E-05	1.39E-06	-7.56E-05	3.24E-06	5.83E-08	-3.18E-06	4.85E-06	8.73E-08	-4.76E-06
4982	497363.09, 3862877.25	8.97E-05	1.61E-06	-8.80E-05	3.77E-06	6.79E-08	-3.70E-06	5.65E-06	1.02E-07	-5.55E-06
4983	497863.09, 3862877.25	9.71E-05	1.75E-06	-9.54E-05	4.09E-06	7.36E-08	-4.01E-06	6.12E-06	1.10E-07	-6.01E-06
4984	498363.09, 3862877.25	9.40E-05	1.69E-06	-9.23E-05	3.95E-06	7.12E-08	-3.88E-06	5.92E-06	1.07E-07	-5.82E-06
4985	471363.09, 3863377.25	4.58E-07	8.25E-09	-4.50E-07	1.93E-08	3.47E-10	-1.89E-08	2.89E-08	5.20E-10	-2.84E-08
4986	471863.09, 3863377.25	4.74E-07	8.54E-09	-4.66E-07	2.00E-08	3.59E-10	-1.96E-08	2.99E-08	5.38E-10	-2.93E-08
4987	472363.09, 3863377.25	4.99E-07	8.98E-09	-4.90E-07	2.10E-08	3.78E-10	-2.06E-08	3.14E-08	5.65E-10	-3.08E-08
4988	472863.09, 3863377.25	5.32E-07	9.57E-09	-5.22E-07	2.24E-08	4.03E-10	-2.20E-08	3.35E-08	6.03E-10	-3.29E-08
4989	473363.09, 3863377.25	5.66E-07	1.02E-08	-5.56E-07	2.38E-08	4.29E-10	-2.34E-08	3.57E-08	6.42E-10	-3.50E-08
4990	473863.09, 3863377.25	5.89E-07	1.06E-08	-5.78E-07	2.48E-08	4.46E-10	-2.43E-08	3.71E-08	6.68E-10	-3.64E-08
4991	474363.09, 3863377.25	6.06E-07	1.09E-08	-5.95E-07	2.55E-08	4.59E-10	-2.50E-08	3.82E-08	6.87E-10	-3.75E-08
4992	474863.09, 3863377.25	6.72E-07	1.21E-08	-6.60E-07	2.83E-08	5.09E-10	-2.78E-08	4.23E-08	7.62E-10	-4.16E-08
4993	475363.09, 3863377.25	6.81E-07	1.23E-08	-6.68E-07	2.86E-08	5.15E-10	-2.81E-08	4.29E-08	7.72E-10	-4.21E-08
4994	475863.09, 3863377.25	6.81E-07	1.23E-08	-6.68E-07	2.86E-08	5.15E-10	-2.81E-08	4.29E-08	7.72E-10	-4.21E-08
4995	476363.09, 3863377.25	7.08E-07	1.27E-08	-6.95E-07	2.98E-08	5.36E-10	-2.92E-08	4.46E-08	8.03E-10	-4.38E-08
4996	476863.09, 3863377.25	7.25E-07	1.31E-08	-7.12E-07	3.05E-08	5.49E-10	-3.00E-08	4.57E-08	8.22E-10	-4.48E-08
4997	477363.09, 3863377.25	7.01E-07	1.26E-08	-6.88E-07	2.95E-08	5.31E-10	-2.89E-08	4.41E-08	7.95E-10	-4.33E-08
4998	477863.09, 3863377.25	5.95E-07	1.07E-08	-5.84E-07	2.50E-08	4.50E-10	-2.46E-08	3.75E-08	6.74E-10	-3.68E-08
4999	478363.09, 3863377.25	4.38E-07	7.89E-09	-4.31E-07	1.84E-08	3.32E-10	-1.81E-08	2.76E-08	4.97E-10	-2.71E-08
5000	478863.09, 3863377.25	4.89E-07	8.80E-09	-4.80E-07	2.06E-08	3.70E-10	-2.02E-08	3.08E-08	5.54E-10	-3.02E-08
5001	479363.09, 3863377.25	6.81E-07	1.23E-08	-6.68E-07	2.86E-08	5.15E-10	-2.81E-08	4.29E-08	7.72E-10	-4.21E-08
5002	479863.09, 3863377.25	1.07E-06	1.93E-08	-1.05E-06	4.51E-08	8.12E-10	-4.43E-08	6.75E-08	1.22E-09	-6.63E-08
5003	480363.09, 3863377.25	1.21E-06	2.19E-08	-1.19E-06	5.11E-08	9.20E-10	-5.02E-08	7.65E-08	1.38E-09	-7.52E-08
5004	480863.09, 3863377.25	1.26E-06	2.27E-08	-1.24E-06	5.30E-08	9.55E-10	-5.21E-08	7.94E-08	1.43E-09	-7.80E-08
5005	481363.09, 3863377.25	1.42E-06	2.55E-08	-1.39E-06	5.96E-08	1.07E-09	-5.85E-08	8.93E-08	1.61E-09	-8.77E-08
5006	481863.09, 3863377.25	1.49E-06	2.69E-08	-1.46E-06	6.27E-08	1.13E-09	-6.16E-08	9.40E-08	1.69E-09	-9.23E-08
5007	482363.09, 3863377.25	1.56E-06	2.81E-08	-1.53E-06	6.56E-08	1.18E-09	-6.45E-08	9.83E-08	1.77E-09	-9.65E-08
5008	482863.09, 3863377.25	1.68E-06	3.02E-08	-1.65E-06	7.06E-08	1.27E-09	-6.94E-08	1.06E-07	1.90E-09	-1.04E-07
5009	483363.09, 3863377.25	1.78E-06	3.20E-08	-1.75E-06	7.49E-08	1.35E-09	-7.35E-08	1.12E-07	2.02E-09	-1.10E-07
5010	483863.09, 3863377.25	1.94E-06	3.49E-08	-1.90E-06	8.15E-08	1.47E-09	-8.00E-08	1.22E-07	2.20E-09	-1.20E-07
5011	484363.09, 3863377.25	2.17E-06	3.91E-08	-2.13E-06	9.14E-08	1.65E-09	-8.97E-08	1.37E-07	2.46E-09	-1.34E-07
5012	484863.09, 3863377.25	2.39E-06	4.29E-08	-2.34E-06	1.00E-07	1.81E-09	-9.86E-08	1.50E-07	2.71E-09	-1.48E-07
5013	485363.09, 3863377.25	2.71E-06	4.87E-08	-2.66E-06	1.14E-07	2.05E-09	-1.12E-07	1.70E-07	3.07E-09	-1.67E-07
5014	485863.09, 3863377.25	2.97E-06	5.35E-08	-2.92E-06	1.25E-07	2.25E-09	-1.23E-07	1.87E-07	3.37E-09	-1.84E-07
5015	486363.09, 3863377.25	3.23E-06	5.81E-08	-3.17E-06	1.36E-07	2.44E-09	-1.33E-07	2.03E-07	3.66E-09	-2.00E-07
5016	486863.09, 3863377.25	3.51E-06	6.32E-08	-3.45E-06	1.48E-07	2.66E-09	-1.45E-07	2.21E-07	3.98E-09	-2.17E-07
5017	487363.09, 3863377.25	3.82E-06	6.88E-08	-3.76E-06	1.61E-07	2.90E-09	-1.58E-07	2.41E-07	4.34E-09	-2.37E-07
5018	487863.09, 3863377.25	4.15E-06	7.47E-08	-4.07E-06	1.75E-07	3.14E-09	-1.71E-07	2.61E-07	4.71E-09	-2.57E-07
5019	488363.09, 3863377.25	4.47E-06	8.05E-08	-4.39E-06	1.88E-07	3.39E-09	-1.85E-07	2.82E-07	5.07E-09	-2.77E-07
5020	488863.09, 3863377.25	4.82E-06	8.69E-08	-4.74E-06	2.03E-07	3.65E-09	-1.99E-07	3.04E-07	5.47E-09	-2.98E-07
5021	489363.09, 3863377.25	5.39E-06	9.70E-08	-5.29E-06	2.27E-07	4.08E-09	-2.23E-07	3.40E-07	6.11E-09	-3.33E-07
5022	489863.09, 3863377.25	6.04E-06	1.09E-07	-5.93E-06	2.54E-07	4.58E-09	-2.50E-07	3.81E-07	6.85E-09	-3.74E-07
5023	490363.09, 3863377.25	6.84E-06	1.23E-07	-6.71E-06	2.88E-07	5.18E-09	-2.82E-07	4.31E-07	7.75E-09	-4.23E-07
5024	490863.09, 3863377.25	7.76E-06	1.40E-07	-7.62E-06	3.27E-07	5.88E-09	-3.21E-07	4.89E-07	8.80E-09	-4.80E-07
5025	491363.09, 3863377.25	9.07E-06	1.63E-07	-8.91E-06	3.82E-07	6.87E-09	-3.75E-07	5.71E-07	1.03E-08	-5.61E-07

5026	491863.09, 3863377.25	1.05E-05	1.89E-07	-1.03E-05	4.41E-07	7.95E-09	-4.33E-07	6.61E-07	1.19E-08	-6.49E-07
5027	492363.09, 3863377.25	1.12E-05	2.01E-07	-1.10E-05	4.70E-07	8.47E-09	-4.62E-07	7.04E-07	1.27E-08	-6.92E-07
5028	492863.09, 3863377.25	9.05E-06	1.63E-07	-8.89E-06	3.81E-07	6.86E-09	-3.74E-07	5.70E-07	1.03E-08	-5.60E-07
5029	493363.09, 3863377.25	6.65E-06	1.20E-07	-6.53E-06	2.80E-07	5.04E-09	-2.75E-07	4.19E-07	7.54E-09	-4.11E-07
5030	493863.09, 3863377.25	8.00E-06	1.44E-07	-7.86E-06	3.37E-07	6.06E-09	-3.30E-07	5.04E-07	9.07E-09	-4.95E-07
5031	494363.09, 3863377.25	1.50E-05	2.70E-07	-1.47E-05	6.32E-07	1.14E-08	-6.20E-07	9.46E-07	1.70E-08	-9.29E-07
5032	494863.09, 3863377.25	1.63E-05	2.94E-07	-1.60E-05	6.87E-07	1.24E-08	-6.75E-07	1.03E-06	1.85E-08	-1.01E-06
5033	495363.09, 3863377.25	1.34E-05	2.41E-07	-1.32E-05	5.64E-07	1.02E-08	-5.54E-07	8.45E-07	1.52E-08	-8.30E-07
5034	495863.09, 3863377.25	1.25E-05	2.26E-07	-1.23E-05	5.28E-07	9.51E-09	-5.18E-07	7.91E-07	1.42E-08	-7.76E-07
5035	496363.09, 3863377.25	3.79E-05	6.82E-07	-3.72E-05	1.59E-06	2.87E-08	-1.57E-06	2.39E-06	4.30E-08	-2.34E-06
5036	496863.09, 3863377.25	3.75E-05	6.75E-07	-3.68E-05	1.58E-06	2.84E-08	-1.55E-06	2.36E-06	4.25E-08	-2.32E-06
5037	497363.09, 3863377.25	4.24E-05	7.62E-07	-4.16E-05	1.78E-06	3.21E-08	-1.75E-06	2.67E-06	4.80E-08	-2.62E-06
5038	497863.09, 3863377.25	4.57E-05	8.23E-07	-4.49E-05	1.92E-06	3.46E-08	-1.89E-06	2.88E-06	5.18E-08	-2.83E-06
5039	498363.09, 3863377.25	4.78E-05	8.61E-07	-4.70E-05	2.01E-06	3.62E-08	-1.98E-06	3.01E-06	5.42E-08	-2.96E-06
5040	471363.09, 3863877.25	5.24E-07	9.44E-09	-5.15E-07	2.21E-08	3.97E-10	-2.17E-08	3.30E-08	5.95E-10	-3.24E-08
5041	471863.09, 3863877.25	5.14E-07	9.26E-09	-5.05E-07	2.16E-08	3.90E-10	-2.12E-08	3.24E-08	5.83E-10	-3.18E-08
5042	472363.09, 3863877.25	5.54E-07	9.98E-09	-5.44E-07	2.33E-08	4.20E-10	-2.29E-08	3.49E-08	6.29E-10	-3.43E-08
5043	472863.09, 3863877.25	5.87E-07	1.06E-08	-5.77E-07	2.47E-08	4.45E-10	-2.43E-08	3.70E-08	6.66E-10	-3.63E-08
5044	473363.09, 3863877.25	6.43E-07	1.16E-08	-6.32E-07	2.71E-08	4.87E-10	-2.66E-08	4.05E-08	7.30E-10	-3.98E-08
5045	473863.09, 3863877.25	6.50E-07	1.17E-08	-6.39E-07	2.74E-08	4.93E-10	-2.69E-08	4.10E-08	7.38E-10	-4.02E-08
5046	474363.09, 3863877.25	6.82E-07	1.23E-08	-6.70E-07	2.87E-08	5.17E-10	-2.82E-08	4.30E-08	7.73E-10	-4.22E-08
5047	474863.09, 3863877.25	7.39E-07	1.33E-08	-7.26E-07	3.11E-08	5.60E-10	-3.05E-08	4.66E-08	8.38E-10	-4.57E-08
5048	475363.09, 3863877.25	7.21E-07	1.30E-08	-7.08E-07	3.03E-08	5.46E-10	-2.98E-08	4.54E-08	8.17E-10	-4.46E-08
5049	475863.09, 3863877.25	7.69E-07	1.39E-08	-7.56E-07	3.24E-08	5.83E-10	-3.18E-08	4.85E-08	8.73E-10	-4.76E-08
5050	476363.09, 3863877.25	7.69E-07	1.39E-08	-7.56E-07	3.24E-08	5.83E-10	-3.18E-08	4.85E-08	8.73E-10	-4.76E-08
5051	476863.09, 3863877.25	8.12E-07	1.46E-08	-7.98E-07	3.42E-08	6.15E-10	-3.36E-08	5.12E-08	9.21E-10	-5.03E-08
5052	477363.09, 3863877.25	8.01E-07	1.44E-08	-7.86E-07	3.37E-08	6.07E-10	-3.31E-08	5.05E-08	9.08E-10	-4.95E-08
5053	477863.09, 3863877.25	7.01E-07	1.26E-08	-6.88E-07	2.95E-08	5.31E-10	-2.89E-08	4.41E-08	7.95E-10	-4.33E-08
5054	478363.09, 3863877.25	5.27E-07	9.49E-09	-5.18E-07	2.22E-08	3.99E-10	-2.18E-08	3.32E-08	5.98E-10	-3.26E-08
5055	478863.09, 3863877.25	7.52E-07	1.35E-08	-7.39E-07	3.16E-08	5.70E-10	-3.11E-08	4.74E-08	8.53E-10	-4.65E-08
5056	479363.09, 3863877.25	9.66E-07	1.74E-08	-9.48E-07	4.06E-08	7.31E-10	-3.99E-08	6.08E-08	1.10E-09	-5.97E-08
5057	479863.09, 3863877.25	1.13E-06	2.04E-08	-1.11E-06	4.77E-08	8.58E-10	-4.68E-08	7.14E-08	1.29E-09	-7.01E-08
5058	480363.09, 3863877.25	1.27E-06	2.28E-08	-1.25E-06	5.33E-08	9.60E-10	-5.24E-08	7.99E-08	1.44E-09	-7.84E-08
5059	480863.09, 3863877.25	1.34E-06	2.41E-08	-1.32E-06	5.64E-08	1.02E-09	-5.54E-08	8.45E-08	1.52E-09	-8.30E-08
5060	481363.09, 3863877.25	1.46E-06	2.63E-08	-1.43E-06	6.14E-08	1.10E-09	-6.03E-08	9.19E-08	1.65E-09	-9.02E-08
5061	481863.09, 3863877.25	1.58E-06	2.85E-08	-1.55E-06	6.65E-08	1.20E-09	-6.53E-08	9.96E-08	1.79E-09	-9.79E-08
5062	482363.09, 3863877.25	1.67E-06	3.01E-08	-1.64E-06	7.03E-08	1.27E-09	-6.90E-08	1.05E-07	1.89E-09	-1.03E-07
5063	482863.09, 3863877.25	1.82E-06	3.28E-08	-1.79E-06	7.67E-08	1.38E-09	-7.53E-08	1.15E-07	2.07E-09	-1.13E-07
5064	483363.09, 3863877.25	1.97E-06	3.55E-08	-1.94E-06	8.30E-08	1.49E-09	-8.15E-08	1.24E-07	2.24E-09	-1.22E-07
5065	483863.09, 3863877.25	2.10E-06	3.77E-08	-2.06E-06	8.82E-08	1.59E-09	-8.66E-08	1.32E-07	2.38E-09	-1.30E-07
5066	484363.09, 3863877.25	2.29E-06	4.12E-08	-2.25E-06	9.63E-08	1.73E-09	-9.46E-08	1.44E-07	2.60E-09	-1.42E-07
5067	484863.09, 3863877.25	2.45E-06	4.42E-08	-2.41E-06	1.03E-07	1.86E-09	-1.01E-07	1.55E-07	2.78E-09	-1.52E-07
5068	485363.09, 3863877.25	2.64E-06	4.75E-08	-2.59E-06	1.11E-07	2.00E-09	-1.09E-07	1.66E-07	2.99E-09	-1.63E-07
5069	485863.09, 3863877.25	2.77E-06	4.99E-08	-2.72E-06	1.17E-07	2.10E-09	-1.15E-07	1.75E-07	3.14E-09	-1.72E-07
5070	486363.09, 3863877.25	2.99E-06	5.38E-08	-2.93E-06	1.26E-07	2.26E-09	-1.23E-07	1.88E-07	3.39E-09	-1.85E-07
5071	486863.09, 3863877.25	3.19E-06	5.73E-08	-3.13E-06	1.34E-07	2.41E-09	-1.32E-07	2.01E-07	3.61E-09	-1.97E-07
5072	487363.09, 3863877.25	3.42E-06	6.15E-08	-3.36E-06	1.44E-07	2.59E-09	-1.41E-07	2.15E-07	3.88E-09	-2.11E-07
5073	487863.09, 3863877.25	3.69E-06	6.64E-08	-3.62E-06	1.55E-07	2.79E-09	-1.52E-07	2.32E-07	4.18E-09	-2.28E-07
5074	488363.09, 3863877.25	4.00E-06	7.19E-08	-3.92E-06	1.68E-07	3.03E-09	-1.65E-07	2.52E-07	4.53E-09	-2.47E-07
5075	488863.09, 3863877.25	4.37E-06	7.87E-08	-4.29E-06	1.84E-07	3.31E-09	-1.81E-07	2.75E-07	4.96E-09	-2.70E-07
5076	489363.09, 3863877.25	4.84E-06	8.71E-08	-4.75E-06	2.03E-07	3.66E-09	-2.00E-07	3.05E-07	5.49E-09	-2.99E-07
5077	489863.09, 3863877.25	5.40E-06	9.72E-08	-5.30E-06	2.27E-07	4.09E-09	-2.23E-07	3.40E-07	6.12E-09	-3.34E-07
5078	490363.09, 3863877.25	6.07E-06	1.09E-07	-5.96E-06	2.55E-07	4.60E-09	-2.51E-07	3.82E-07	6.88E-09	-3.75E-07
5079	490863.09, 3863877.25	6.74E-06	1.21E-07	-6.61E-06	2.83E-07	5.10E-09	-2.78E-07	4.24E-07	7.64E-09	-4.17E-07
5080	491363.09, 3863877.25	7.42E-06	1.34E-07	-7.29E-06	3.12E-07	5.62E-09	-3.07E-07	4.68E-07	8.42E-09	-4.59E-07
5081	491863.09, 3863877.25	6.33E-06	1.14E-07	-6.21E-06	2.66E-07	4.79E-09	-2.61E-07	3.98E-07	7.17E-09	-3.91E-07
5082	492363.09, 3863877.25	3.23E-06	5.82E-08	-3.17E-06	1.36E-07	2.45E-09	-1.34E-07	2.04E-07	3.67E-09	-2.00E-07
5083	492863.09, 3863877.25	2.06E-06	3.71E-08	-2.02E-06	8.67E-08	1.56E-09	-8.52E-08	1.30E-07	2.34E-09	-1.28E-07
5084	493363.09, 3863877.25	2.33E-06	4.19E-08	-2.29E-06	9.80E-08	1.76E-09	-9.62E-08	1.47E-07	2.64E-09	-1.44E-07
5085	493863.09, 3863877.25	3.57E-06	6.43E-08	-3.51E-06	1.50E-07	2.70E-09	-1.48E-07	2.25E-07	4.05E-09	-2.21E-07
5086	494363.09, 3863877.25	5.06E-06	9.11E-08	-4.97E-06	2.13E-07	3.83E-09	-2.09E-07	3.19E-07	5.74E-09	-3.13E-07
5087	494863.09, 3863877.25	6.56E-06	1.18E-07	-6.44E-06	2.76E-07	4.97E-09	-2.71E-07	4.13E-07	7.44E-09	-4.06E-07
5088	495363.09, 3863877.25	7.40E-06	1.33E-07	-7.27E-06	3.11E-07	5.60E-09	-3.06E-07	4.66E-07	8.39E-09	-4.58E-07
5089	495863.09, 3863877.25	7.60E-06	1.37E-07	-7.47E-06	3.20E-07	5.76E-09	-3.14E-07	4.79E-07	8.62E-09	-4.70E-07
5090	496363.09, 3863877.25	1.39E-05	2.50E-07	-1.36E-05	5.84E-07	1.05E-08	-5.74E-07	8.75E-07	1.58E-08	-8.59E-07
5091	496863.09, 3863877.25	2.33E-05	4.19E-07	-2.29E-05	9.80E-07	1.76E-08	-9.62E-07	1.47E-06	2.64E-08	-1.44E-06
5092	497363.09, 3863877.25	2.73E-05	4.92E-07	-2.68E-05	1.15E-06	2.07E-08	-1.13E-06	1.72E-06	3.10E-08	-1.69E-06
5093	497863.09, 3863877.25	2.85E-05	5.13E-07	-2.80E-05	1.20E-06	2.16E-08	-1.18E-06	1.79E-06	3.23E-08	-1.76E-06
5094	498363.09, 3863877.25	2.83E-05	5.09E-07	-2.78E-05	1.19E-06	2.14E-08	-1.17E-06	1.78E-06	3.21E-08	-1.75E-06
5095	471363.09, 3864377.25	5.13E-07	9.23E-09	-5.04E-07	2.16E-08	3.88E-10	-2.12E-08	3.23E-08	5.82E-10	-3.17E-08
5096	471863.09, 3864377.25	5.27E-07	9.49E-09	-5.18E-07	2.22E-08	3.99E-10	-2.18E-08	3.32E-08	5.98E-10	-3.26E-08
5097	472363.09, 3864377.25	5.50E-07	9.91E-09	-5.40E-07	2.31E-08	4.17E-10	-2.27E-08	3.47E-08	6.24E-10	-3.40E-08
5098	472863.09, 3864377.25	5.69E-07	1.02E-08	-5.59E-07	2.39E-08	4.31E-10	-2.35E-08	3.58E-08	6.45E-10	-3.52E-08
5099	473363.09, 3864377.25	6.28E-07	1.13E-08	-6.16E-07	2.64E-08	4.75E-10	-2.59E-08	3.95E-08	7.12E-10	-3.88E-08
5100	473863.09, 3864377.25	6.61E-07	1.19E-08	-6.49E-07	2.78E-08	5.00E-10	-2.73E-08	4.16E-08	7.49E-10	-4.09E-08
5101	474363.09, 3864377.25	6.72E-07	1.21E-08	-6.60E-07	2.83E-08	5.09E-10	-2.78E-08	4.23E-08	7.62E-10	-4.16E-08
5102	474863.09, 3864377.25	7.24E-07	1.30E-08	-7.11E-07	3.04E-08	5.48E-10	-2.99E-08	4.56E-08	8.21E-10	-4.48E-08
5103	475363.09, 3864377.25	7.32E-07	1.32E-08	-7.19E-07	3.08E-08	5.55E-10	-3.02E-08	4.61E-08	8.30E-10	-4.53E-08
5104	475863.09, 3864377.25	7.72E-07	1.39E-08	-7.58E-07	3.25E-08	5.85E-10	-3.19E-08	4.86E-08	8.76E-10	-4.78E-08
5105	476363.09, 3864377.25	7.95E-07	1.43E-08	-7.81E-07	3.35E-08	6.02E-10	-3.29E-08	5.01E-08	9.02E-10	-4.92E-08
5106	476863.09, 3864377.25	8.07E-07	1.45E-08	-7.92E-07	3.39E-08	6.11E-10	-3.33E-08	5.08E-08	9.15E-10	-4.99E-08
5107	477363.09, 3864377.25	8.80E-07	1.58E-08	-8.64E-07	3.70E-08	6.66E-10	-3.63E-08	5.54E-08	9.98E-10	-5.44E-08
5108	477863.09, 3864377.25	9.41E-07	1.69E-08	-9.24E-07	3.96E-08	7.13E-10	-3.89E-08	5.93E-08	1.07E-09	-5.82E-08
5109	478363.09, 3864377.25	9.97E-07	1.80E-08	-9.79E-07	4.20E-08	7.55E-10	-4.12E-08	6.28E-08	1.13E-09	-6.17E-08
5110	478863.09, 3864377.25	1.06E-06	1.90E-08	-1.04E-06	4.44E-08	8.00E-10	-4.36E-08	6.65E-08	1.20E-09	-6.53E-08
5111	479363.09, 3864377.25	1.18E-06	2.12E-08	-1.16E-06	4.95E-08	8.92E-10	-4.87E-08	7.42E-08	1.34E-09	-7.29E-08
5112	479863.09, 3864377.25	1.26E-06	2.28E-08	-1.24E-06	5.32E-08	9.57E-10	-5.22E-08	7.96E-08	1.43E-09	-7.82E-08
5113	480363.09, 3864377.25	1.34E-06	2.41E-08	-1.31E-06	5.63E-08	1.01E-09	-5.53E-08	8.43E-08	1.52E-09	-8.28E-08
5114	480863.09, 3864377.25	1.49E-06	2.68E-08	-1.46E-06	6.26E-08	1.13E-09	-6.14E-08	9.37E-08	1.69E-09	-9.20E-08
5115	481363.09, 3864377.25	1.60E-06	2.87E-08	-1.57E-06	6.71E-08	1.21E-09	-6.59E-08	1.01E-07	1.81E-09	-9.87E-08
5116	481863.09, 3864377.25	1.68E-06	3.03E-08	-1.65E-06	7.09E-08	1.28E-09	-6.96E-08	1.06E-07	1.91E-09	-1.04E-07
5117	482363.09, 3864377.25	1.77E-06	3.19E-08	-1.74E-06	7.44E-08	1.34E-09	-7.31E-08	1.11E-07	2.01E-09	-1.09E-07
5118	482863.09, 3864377.25	1.86E-06	3.34E-08	-1.82E-06	7.81E-08	1.41E-09	-7.67E-08	1.17E-07	2.11E-09	-1.15E-07
5119	483363.09, 3864377.25	1.96E-06	3.53E-08	-1.92E-06	8.25E-08	1.48E-09	-8.10E-08	1.23E-07	2.22E-09	-1.21E-07
5120	483863.09, 3864377.25	2.06E-06	3.71E-08	-2.02E-06	8.66E-08	1.56E-09	-8.51E-08	1.30E-07	2.34E-09	-1.27E-07
5121	484363.09, 3864377.25	2.16E-06	3.88E-08	-2.12E-06	9.08E-08	1.63E-09	-8.91E-08	1.36E-07	2.45E-09	-1.33E-07
5122	484863.09, 3864377.25	2.30E-06	4.13E-08	-2.26E-06	9.66E-08	1.74E-09	-9.49E-08	1.45E-07	2.60E-09	-1.42E-07
5123	485363.09, 3864377.25	2.45E-06	4.41E-08	-2.41E-06	1.03E-07	1.86E-09	-1.01E-07	1.54E-07	2.78E-09	-1.52E-07
5124	485863.09, 3864377.25	2.61E-06	4.70E-08	-2.57E-06	1.10E-07	1.98E-09	-1.08E-07	1.65E-07	2.96E-09	-1.62E-07
5125	486363.09, 3864377.25	2.79E-06	5.01E-08	-2.74E-06	1.17E-07	2.11E-09	-1.15E-07	1.75E-07	3.16E-09	-1.72E-07
5126	486863.09, 3864377.25	2.96E-06	5.33E-08	-2.91E-06	1.25E-07	2.24E-09	-1.22E-07	1.87E-07	3.36E-09	-1.83E-07
5127	487363.09, 3864377.25	3.13E-06	5.63E-08	-3.07E-06	1.32E-07	2.37E-09	-1.29E-07	1.97E-07	3.55E-09	-1.93E-07
5128	487863.09, 3864377.25	3.35E-06	6.04E-08	-3.29E-06	1.41E-07	2.54E-09	-1.39E-07	2.11E-07	3.80E-09	-2.07E-07
5129	488363.09, 3864377.25	3.68E-06	6.62E-08	-3.61E-06	1.55E-07	2.78E-09	-1.52E-07	2.32E-07	4.17E-09	-2.27E-07
5130	488863.09, 3864377.25	3.93E-06	7.07E-08	-3.86E-06	1.65E-07	2.98E-09	-1.62E-07	2.47E-07	4.46E-09	-2.43E-07
5131	489363.09, 3864377.25	4.25E-06	7.66E-08	-4.18E-06	1.79E-07	3.22E-09	-1.76E-07	2.68E-07	4.82E-09	-2.63E-07
5132	489863.09, 3864377.25	4.62E-06	8.31E-08	-4.53E-06	1.94E-07	3.50E-09	-1.91E-07	2.91E-07	5.24E-09	-2.86E-07

5133	490363.09, 3864377.25	5.03E-06	9.05E-08	-4.94E-06	2.12E-07	3.81E-09	-2.08E-07	3.17E-07	5.70E-09	-3.11E-07
5134	490863.09, 3864377.25	5.39E-06	9.70E-08	-5.29E-06	2.27E-07	4.08E-09	-2.23E-07	3.40E-07	6.11E-09	-3.33E-07
5135	491363.09, 3864377.25	3.34E-06	6.02E-08	-3.28E-06	1.41E-07	2.53E-09	-1.38E-07	2.10E-07	3.79E-09	-2.07E-07
5136	491863.09, 3864377.25	3.95E-07	7.12E-09	-3.88E-07	1.66E-08	3.00E-10	-1.63E-08	2.49E-08	4.48E-10	-2.45E-08
5137	492363.09, 3864377.25	8.61E-07	1.55E-08	-8.46E-07	3.62E-08	6.52E-10	-3.56E-08	5.42E-08	9.77E-10	-5.33E-08
5138	492863.09, 3864377.25	4.66E-07	8.38E-09	-4.57E-07	1.96E-08	3.53E-10	-1.92E-08	2.93E-08	5.28E-10	-2.88E-08
5139	493363.09, 3864377.25	8.12E-07	1.46E-08	-7.98E-07	3.42E-08	6.15E-10	-3.36E-08	5.12E-08	9.21E-10	-5.03E-08
5140	493863.09, 3864377.25	1.64E-06	2.96E-08	-1.62E-06	6.92E-08	1.25E-09	-6.80E-08	1.04E-07	1.87E-09	-1.02E-07
5141	494363.09, 3864377.25	2.61E-06	4.70E-08	-2.56E-06	1.10E-07	1.98E-09	-1.08E-07	1.64E-07	2.96E-09	-1.61E-07
5142	494863.09, 3864377.25	3.89E-06	7.01E-08	-3.82E-06	1.64E-07	2.95E-09	-1.61E-07	2.45E-07	4.41E-09	-2.41E-07
5143	495363.09, 3864377.25	4.90E-06	8.83E-08	-4.82E-06	2.06E-07	3.71E-09	-2.03E-07	3.09E-07	5.56E-09	-3.03E-07
5144	495863.09, 3864377.25	5.31E-06	9.55E-08	-5.21E-06	2.23E-07	4.02E-09	-2.19E-07	3.34E-07	6.02E-09	-3.28E-07
5145	496363.09, 3864377.25	6.67E-06	1.20E-07	-6.55E-06	2.81E-07	5.05E-09	-2.75E-07	4.20E-07	7.56E-09	-4.12E-07
5146	496863.09, 3864377.25	8.70E-06	1.57E-07	-8.54E-06	3.66E-07	6.59E-09	-3.59E-07	5.48E-07	9.87E-09	-5.38E-07
5147	497363.09, 3864377.25	1.43E-05	2.58E-07	-1.41E-05	6.02E-07	1.08E-08	-5.91E-07	9.02E-07	1.62E-08	-8.86E-07
5148	497863.09, 3864377.25	1.43E-05	2.57E-07	-1.40E-05	6.00E-07	1.08E-08	-5.89E-07	8.98E-07	1.62E-08	-8.82E-07
5149	498363.09, 3864377.25	1.97E-05	3.54E-07	-1.93E-05	8.27E-07	1.49E-08	-8.13E-07	1.24E-06	2.23E-08	-1.22E-06
5150	471363.09, 3864877.25	5.06E-07	9.11E-09	-4.97E-07	2.13E-08	3.83E-10	-2.09E-08	3.19E-08	5.74E-10	-3.13E-08
5151	471863.09, 3864877.25	5.23E-07	9.42E-09	-5.14E-07	2.20E-08	3.96E-10	-2.16E-08	3.29E-08	5.93E-10	-3.24E-08
5152	472363.09, 3864877.25	5.50E-07	9.91E-09	-5.40E-07	2.31E-08	4.17E-10	-2.27E-08	3.47E-08	6.24E-10	-3.40E-08
5153	472863.09, 3864877.25	5.82E-07	1.05E-08	-5.71E-07	2.45E-08	4.41E-10	-2.40E-08	3.66E-08	6.60E-10	-3.60E-08
5154	473363.09, 3864877.25	6.43E-07	1.16E-08	-6.32E-07	2.71E-08	4.87E-10	-2.66E-08	4.05E-08	7.30E-10	-3.98E-08
5155	473863.09, 3864877.25	6.91E-07	1.24E-08	-6.78E-07	2.91E-08	5.23E-10	-2.85E-08	4.35E-08	7.83E-10	-4.27E-08
5156	474363.09, 3864877.25	7.22E-07	1.30E-08	-7.09E-07	3.04E-08	5.47E-10	-2.98E-08	4.55E-08	8.19E-10	-4.47E-08
5157	474863.09, 3864877.25	7.64E-07	1.37E-08	-7.50E-07	3.21E-08	5.78E-10	-3.15E-08	4.81E-08	8.66E-10	-4.72E-08
5158	475363.09, 3864877.25	8.07E-07	1.45E-08	-7.92E-07	3.39E-08	6.11E-10	-3.33E-08	5.08E-08	9.15E-10	-4.99E-08
5159	475863.09, 3864877.25	8.63E-07	1.55E-08	-8.47E-07	3.63E-08	6.53E-10	-3.56E-08	5.43E-08	9.78E-10	-5.34E-08
5160	476363.09, 3864877.25	9.00E-07	1.62E-08	-8.84E-07	3.79E-08	6.81E-10	-3.72E-08	5.67E-08	1.02E-09	-5.57E-08
5161	476863.09, 3864877.25	8.97E-07	1.61E-08	-8.81E-07	3.77E-08	6.79E-10	-3.71E-08	5.65E-08	1.02E-09	-5.55E-08
5162	477363.09, 3864877.25	9.77E-07	1.76E-08	-9.60E-07	4.11E-08	7.40E-10	-4.04E-08	6.16E-08	1.11E-09	-6.04E-08
5163	477863.09, 3864877.25	1.05E-06	1.89E-08	-1.03E-06	4.41E-08	7.93E-10	-4.33E-08	6.60E-08	1.19E-09	-6.48E-08
5164	478363.09, 3864877.25	1.12E-06	2.02E-08	-1.10E-06	4.72E-08	8.50E-10	-4.63E-08	7.07E-08	1.27E-09	-6.94E-08
5165	478863.09, 3864877.25	1.20E-06	2.17E-08	-1.18E-06	5.06E-08	9.12E-10	-4.97E-08	7.58E-08	1.36E-09	-7.45E-08
5166	479363.09, 3864877.25	1.29E-06	2.32E-08	-1.26E-06	5.41E-08	9.74E-10	-5.32E-08	8.11E-08	1.46E-09	-7.96E-08
5167	479863.09, 3864877.25	1.37E-06	2.46E-08	-1.34E-06	5.75E-08	1.04E-09	-5.65E-08	8.61E-08	1.55E-09	-8.46E-08
5168	480363.09, 3864877.25	1.42E-06	2.55E-08	-1.39E-06	5.96E-08	1.07E-09	-5.85E-08	8.92E-08	1.61E-09	-8.76E-08
5169	480863.09, 3864877.25	1.49E-06	2.69E-08	-1.47E-06	6.29E-08	1.13E-09	-6.17E-08	9.41E-08	1.69E-09	-9.24E-08
5170	481363.09, 3864877.25	1.55E-06	2.79E-08	-1.52E-06	6.53E-08	1.18E-09	-6.41E-08	9.77E-08	1.76E-09	-9.60E-08
5171	481863.09, 3864877.25	1.61E-06	2.90E-08	-1.58E-06	6.78E-08	1.22E-09	-6.65E-08	1.01E-07	1.83E-09	-9.96E-08
5172	482363.09, 3864877.25	1.66E-06	2.99E-08	-1.63E-06	7.00E-08	1.26E-09	-6.87E-08	1.05E-07	1.89E-09	-1.03E-07
5173	482863.09, 3864877.25	1.73E-06	3.12E-08	-1.70E-06	7.28E-08	1.31E-09	-7.15E-08	1.09E-07	1.96E-09	-1.07E-07
5174	483363.09, 3864877.25	1.82E-06	3.28E-08	-1.79E-06	7.66E-08	1.38E-09	-7.52E-08	1.15E-07	2.07E-09	-1.13E-07
5175	483863.09, 3864877.25	1.95E-06	3.51E-08	-1.91E-06	8.20E-08	1.48E-09	-8.06E-08	1.23E-07	2.21E-09	-1.21E-07
5176	484363.09, 3864877.25	2.08E-06	3.74E-08	-2.04E-06	8.73E-08	1.57E-09	-8.58E-08	1.31E-07	2.35E-09	-1.28E-07
5177	484863.09, 3864877.25	2.21E-06	3.97E-08	-2.17E-06	9.28E-08	1.67E-09	-9.12E-08	1.39E-07	2.50E-09	-1.36E-07
5178	485363.09, 3864877.25	2.31E-06	4.15E-08	-2.26E-06	9.70E-08	1.75E-09	-9.52E-08	1.45E-07	2.61E-09	-1.43E-07
5179	485863.09, 3864877.25	2.42E-06	4.36E-08	-2.38E-06	1.02E-07	1.83E-09	-1.00E-07	1.52E-07	2.74E-09	-1.50E-07
5180	486363.09, 3864877.25	2.53E-06	4.56E-08	-2.48E-06	1.06E-07	1.92E-09	-1.05E-07	1.59E-07	2.87E-09	-1.57E-07
5181	486863.09, 3864877.25	2.68E-06	4.82E-08	-2.63E-06	1.13E-07	2.03E-09	-1.11E-07	1.69E-07	3.04E-09	-1.66E-07
5182	487363.09, 3864877.25	2.88E-06	5.19E-08	-2.83E-06	1.21E-07	2.18E-09	-1.19E-07	1.82E-07	3.27E-09	-1.78E-07
5183	487863.09, 3864877.25	3.09E-06	5.56E-08	-3.03E-06	1.30E-07	2.34E-09	-1.28E-07	1.95E-07	3.50E-09	-1.91E-07
5184	488363.09, 3864877.25	3.29E-06	5.93E-08	-3.23E-06	1.38E-07	2.49E-09	-1.36E-07	2.07E-07	3.73E-09	-2.04E-07
5185	488863.09, 3864877.25	3.50E-06	6.30E-08	-3.44E-06	1.47E-07	2.65E-09	-1.45E-07	2.20E-07	3.97E-09	-2.16E-07
5186	489363.09, 3864877.25	3.71E-06	6.68E-08	-3.64E-06	1.56E-07	2.81E-09	-1.53E-07	2.34E-07	4.21E-09	-2.30E-07
5187	489863.09, 3864877.25	3.96E-06	7.12E-08	-3.88E-06	1.66E-07	3.00E-09	-1.63E-07	2.49E-07	4.49E-09	-2.45E-07
5188	490363.09, 3864877.25	4.18E-06	7.53E-08	-4.11E-06	1.76E-07	3.17E-09	-1.73E-07	2.63E-07	4.74E-09	-2.59E-07
5189	490863.09, 3864877.25	1.35E-06	2.42E-08	-1.32E-06	5.67E-08	1.02E-09	-5.56E-08	8.48E-08	1.53E-09	-8.33E-08
5190	491363.09, 3864877.25	2.97E-06	5.35E-08	-2.92E-06	1.25E-07	2.25E-09	-1.23E-07	1.87E-07	3.37E-09	-1.84E-07
5191	491863.09, 3864877.25	1.30E-06	2.35E-08	-1.28E-06	5.49E-08	9.88E-10	-5.39E-08	8.21E-08	1.48E-09	-8.07E-08
5192	492363.09, 3864877.25	2.58E-07	4.64E-09	-2.53E-07	1.08E-08	1.95E-10	-1.07E-08	1.62E-08	2.92E-10	-1.60E-08
5193	492863.09, 3864877.25	3.21E-07	5.78E-09	-3.15E-07	1.35E-08	2.43E-10	-1.33E-08	2.02E-08	3.64E-10	-1.99E-08
5194	493363.09, 3864877.25	3.32E-07	5.98E-09	-3.26E-07	1.40E-08	2.52E-10	-1.37E-08	2.09E-08	3.77E-10	-2.06E-08
5195	493863.09, 3864877.25	8.84E-07	1.59E-08	-8.68E-07	3.72E-08	6.70E-10	-3.65E-08	5.57E-08	1.00E-09	-5.47E-08
5196	494363.09, 3864877.25	1.83E-06	3.29E-08	-1.79E-06	7.68E-08	1.38E-09	-7.54E-08	1.15E-07	2.07E-09	-1.13E-07
5197	494863.09, 3864877.25	2.34E-06	4.22E-08	-2.30E-06	9.86E-08	1.77E-09	-9.68E-08	1.48E-07	2.66E-09	-1.45E-07
5198	495363.09, 3864877.25	3.06E-06	5.50E-08	-3.00E-06	1.29E-07	2.32E-09	-1.26E-07	1.93E-07	3.47E-09	-1.89E-07
5199	495863.09, 3864877.25	4.97E-06	8.96E-08	-4.89E-06	2.09E-07	3.77E-09	-2.06E-07	3.13E-07	5.64E-09	-3.08E-07
5200	496363.09, 3864877.25	4.12E-06	7.41E-08	-4.04E-06	1.73E-07	3.12E-09	-1.70E-07	2.59E-07	4.67E-09	-2.55E-07
5201	496863.09, 3864877.25	4.66E-06	8.38E-08	-4.57E-06	1.96E-07	3.53E-09	-1.92E-07	2.93E-07	5.28E-09	-2.88E-07
5202	497363.09, 3864877.25	6.43E-06	1.16E-07	-6.31E-06	2.71E-07	4.87E-09	-2.66E-07	4.05E-07	7.29E-09	-3.98E-07
5203	497863.09, 3864877.25	7.74E-06	1.39E-07	-7.60E-06	3.26E-07	5.86E-09	-3.20E-07	4.88E-07	8.78E-09	-4.79E-07
5204	498363.09, 3864877.25	1.13E-05	2.03E-07	-1.11E-05	4.76E-07	8.56E-09	-4.67E-07	7.12E-07	1.28E-08	-6.99E-07
5205	471363.09, 3865377.25	5.60E-07	1.01E-08	-5.50E-07	2.36E-08	4.24E-10	-2.31E-08	3.53E-08	6.35E-10	-3.47E-08
5206	471863.09, 3865377.25	5.86E-07	1.06E-08	-5.75E-07	2.47E-08	4.44E-10	-2.42E-08	3.69E-08	6.65E-10	-3.63E-08
5207	472363.09, 3865377.25	6.20E-07	1.12E-08	-6.09E-07	2.61E-08	4.70E-10	-2.56E-08	3.91E-08	7.04E-10	-3.84E-08
5208	472863.09, 3865377.25	6.35E-07	1.14E-08	-6.23E-07	2.67E-08	4.81E-10	-2.62E-08	4.00E-08	7.20E-10	-3.93E-08
5209	473363.09, 3865377.25	7.14E-07	1.28E-08	-7.01E-07	3.00E-08	5.40E-10	-2.95E-08	4.49E-08	8.09E-10	-4.41E-08
5210	473863.09, 3865377.25	7.64E-07	1.37E-08	-7.50E-07	3.21E-08	5.78E-10	-3.15E-08	4.81E-08	8.66E-10	-4.72E-08
5211	474363.09, 3865377.25	8.04E-07	1.45E-08	-7.89E-07	3.38E-08	6.09E-10	-3.32E-08	5.06E-08	9.12E-10	-4.97E-08
5212	474863.09, 3865377.25	8.30E-07	1.49E-08	-8.15E-07	3.49E-08	6.28E-10	-3.43E-08	5.23E-08	9.41E-10	-5.13E-08
5213	475363.09, 3865377.25	8.91E-07	1.60E-08	-8.75E-07	3.75E-08	6.75E-10	-3.68E-08	5.61E-08	1.01E-09	-5.51E-08
5214	475863.09, 3865377.25	9.26E-07	1.67E-08	-9.09E-07	3.89E-08	7.01E-10	-3.82E-08	5.83E-08	1.05E-09	-5.73E-08
5215	476363.09, 3865377.25	7.78E-07	1.40E-08	-7.64E-07	3.27E-08	5.89E-10	-3.21E-08	4.90E-08	8.82E-10	-4.81E-08
5216	476863.09, 3865377.25	4.80E-07	8.64E-09	-4.71E-07	2.02E-08	3.64E-10	-1.98E-08	3.02E-08	5.44E-10	-2.97E-08
5217	477363.09, 3865377.25	8.91E-07	1.60E-08	-8.75E-07	3.75E-08	6.75E-10	-3.68E-08	5.61E-08	1.01E-09	-5.51E-08
5218	477863.09, 3865377.25	1.09E-06	1.96E-08	-1.07E-06	4.57E-08	8.24E-10	-4.49E-08	6.85E-08	1.23E-09	-6.73E-08
5219	478363.09, 3865377.25	1.14E-06	2.05E-08	-1.12E-06	4.79E-08	8.62E-10	-4.70E-08	7.17E-08	1.29E-09	-7.04E-08
5220	478863.09, 3865377.25	1.20E-06	2.17E-08	-1.18E-06	5.07E-08	9.13E-10	-4.98E-08	7.59E-08	1.37E-09	-7.45E-08
5221	479363.09, 3865377.25	1.25E-06	2.25E-08	-1.23E-06	5.26E-08	9.47E-10	-5.17E-08	7.88E-08	1.42E-09	-7.74E-08
5222	479863.09, 3865377.25	1.27E-06	2.29E-08	-1.25E-06	5.35E-08	9.64E-10	-5.26E-08	8.01E-08	1.44E-09	-7.87E-08
5223	480363.09, 3865377.25	1.32E-06	2.38E-08	-1.30E-06	5.56E-08	1.00E-09	-5.46E-08	8.32E-08	1.50E-09	-8.17E-08
5224	480863.09, 3865377.25	1.37E-06	2.47E-08	-1.35E-06	5.77E-08	1.04E-09	-5.67E-08	8.65E-08	1.56E-09	-8.49E-08
5225	481363.09, 3865377.25	1.43E-06	2.58E-08	-1.41E-06	6.03E-08	1.09E-09	-5.92E-08	9.03E-08	1.62E-09	-8.86E-08
5226	481863.09, 3865377.25	1.51E-06	2.72E-08	-1.48E-06	6.36E-08	1.14E-09	-6.24E-08	9.52E-08	1.71E-09	-9.35E-08
5227	482363.09, 3865377.25	1.60E-06	2.88E-08	-1.57E-06	6.72E-08	1.21E-09	-6.60E-08	1.01E-07	1.81E-09	-9.88E-08
5228	482863.09, 3865377.25	1.69E-06	3.05E-08	-1.66E-06	7.13E-08	1.28E-09	-7.00E-08	1.07E-07	1.92E-09	-1.05E-07
5229	483363.09, 3865377.25	1.79E-06	3.22E-08	-1.76E-06	7.53E-08	1.36E-09	-7.40E-08	1.13E-07	2.03E-09	-1.11E-07
5230	483863.09, 3865377.25	1.88E-06	3.38E-08	-1.84E-06	7.89E-08	1.42E-09	-7.75E-08	1.18E-07	2.13E-09	-1.16E-07
5231	484363.09, 3865377.25	1.94E-06	3.50E-08	-1.91E-06	8.17E-08	1.47E-09	-8.02E-08	1.22E-07	2.20E-09	-1.20E-07
5232	484863.09, 3865377.25	2.00E-06	3.60E-08	-1.96E-06	8.41E-08	1.51E-09	-8.26E-08	1.26E-07	2.27E-09	-1.24E-07
5233	485363.09, 3865377.25	2.08E-06	3.74E-08	-2.04E-06	8.73E-08	1.57E-09	-8.58E-08	1.31E-07	2.35E-09	-1.28E-07
5234	485863.09, 3865377.25	2.20E-06	3.96E-08	-2.16E-06	9.25E-08	1.66E-09	-9.08E-08	1.38E-07	2.49E-09	-1.36E-07
5235	486363.09, 3865377.25	2.34E-06	4.21E-08	-2.29E-06	9.83E-08	1.77E-09	-9.65E-08	1.47E-07	2.65E-09	-1.45E-07
5236	486863.09, 3865377.25	2.52E-06	4.54E-08	-2.47E-06	1.06E-07	1.91E-09	-1.04E-07	1.59E-07	2.86E-09	-1.56E-07
5237	487363.09, 3865377.25	2.70E-06	4.86E-08	-2.65E-06	1.14E-07	2.04E-09	-1.12E-07	1.70E-07	3.06E-09	-1.67E-07
5238	487863.09, 3865377.25	2.84E-06	5.10E-08	-2.78E-06	1.19E-07	2.15E-09	-1.17E-07	1.79E-07	3.22E-09	-1.75E-07
5239	488363.09, 3865377.25	2.90E-06	5.22E-08	-2.84E-06	1.22E-07	2.19E-09	-1.20E-07	1.83E-07	3.29E-09	-1.79E-07

5240	488863.09, 3865377.25	2.95E-06	5.32E-08	-2.90E-06	1.24E-07	2.24E-09	-1.22E-07	1.86E-07	3.35E-09	-1.83E-07
5241	489363.09, 3865377.25	3.08E-06	5.54E-08	-3.02E-06	1.29E-07	2.33E-09	-1.27E-07	1.94E-07	3.49E-09	-1.90E-07
5242	489863.09, 3865377.25	3.19E-06	5.74E-08	-3.13E-06	1.34E-07	2.41E-09	-1.32E-07	2.01E-07	3.61E-09	-1.97E-07
5243	490363.09, 3865377.25	1.44E-06	2.59E-08	-1.41E-06	6.06E-08	1.09E-09	-5.95E-08	9.07E-08	1.63E-09	-8.91E-08
5244	490863.09, 3865377.25	1.28E-06	2.30E-08	-1.25E-06	5.37E-08	9.67E-10	-5.27E-08	8.04E-08	1.45E-09	-7.90E-08
5245	491363.09, 3865377.25	1.17E-06	2.10E-08	-1.15E-06	4.92E-08	8.86E-10	-4.83E-08	7.36E-08	1.33E-09	-7.23E-08
5246	491863.09, 3865377.25	1.16E-06	2.08E-08	-1.14E-06	4.86E-08	8.76E-10	-4.78E-08	7.28E-08	1.31E-09	-7.15E-08
5247	492363.09, 3865377.25	5.49E-07	9.88E-09	-5.39E-07	2.31E-08	4.16E-10	-2.27E-08	3.46E-08	6.22E-10	-3.39E-08
5248	492863.09, 3865377.25	3.60E-07	6.47E-09	-3.53E-07	1.51E-08	2.72E-10	-1.49E-08	2.27E-08	4.08E-10	-2.22E-08
5249	493363.09, 3865377.25	3.02E-07	5.44E-09	-2.97E-07	1.27E-08	2.29E-10	-1.25E-08	1.90E-08	3.43E-10	-1.87E-08
5250	493863.09, 3865377.25	4.63E-07	8.33E-09	-4.54E-07	1.95E-08	3.51E-10	-1.91E-08	2.92E-08	5.25E-10	-2.86E-08
5251	494363.09, 3865377.25	8.90E-07	1.60E-08	-8.74E-07	3.74E-08	6.74E-10	-3.68E-08	5.60E-08	1.01E-09	-5.50E-08
5252	494863.09, 3865377.25	1.48E-06	2.67E-08	-1.46E-06	6.24E-08	1.12E-09	-6.13E-08	9.34E-08	1.68E-09	-9.17E-08
5253	495363.09, 3865377.25	1.65E-06	2.97E-08	-1.62E-06	6.94E-08	1.25E-09	-6.81E-08	1.04E-07	1.87E-09	-1.02E-07
5254	495863.09, 3865377.25	2.74E-06	4.94E-08	-2.69E-06	1.15E-07	2.08E-09	-1.13E-07	1.73E-07	3.11E-09	-1.70E-07
5255	496363.09, 3865377.25	2.36E-06	4.24E-08	-2.31E-06	9.91E-08	1.78E-09	-9.73E-08	1.48E-07	2.67E-09	-1.46E-07
5256	496863.09, 3865377.25	2.42E-06	4.35E-08	-2.37E-06	1.02E-07	1.83E-09	-9.99E-08	1.52E-07	2.74E-09	-1.50E-07
5257	497363.09, 3865377.25	3.68E-06	6.63E-08	-3.62E-06	1.55E-07	2.79E-09	-1.52E-07	2.32E-07	4.18E-09	-2.28E-07
5258	497863.09, 3865377.25	4.67E-06	8.40E-08	-4.58E-06	1.96E-07	3.54E-09	-1.93E-07	2.94E-07	5.29E-09	-2.89E-07
5259	498363.09, 3865377.25	4.43E-06	7.98E-08	-4.35E-06	1.87E-07	3.36E-09	-1.83E-07	2.79E-07	5.03E-09	-2.74E-07
5260	471363.09, 3865877.25	6.15E-07	1.11E-08	-6.04E-07	2.59E-08	4.66E-10	-2.54E-08	3.87E-08	6.97E-10	-3.80E-08
5261	471863.09, 3865877.25	6.50E-07	1.17E-08	-6.39E-07	2.74E-08	4.93E-10	-2.69E-08	4.10E-08	7.38E-10	-4.02E-08
5262	472363.09, 3865877.25	6.29E-07	1.13E-08	-6.18E-07	2.65E-08	4.76E-10	-2.60E-08	3.96E-08	7.13E-10	-3.89E-08
5263	472863.09, 3865877.25	7.21E-07	1.30E-08	-7.08E-07	3.03E-08	5.46E-10	-2.98E-08	4.54E-08	8.17E-10	-4.46E-08
5264	473363.09, 3865877.25	7.71E-07	1.39E-08	-7.57E-07	3.24E-08	5.84E-10	-3.18E-08	4.86E-08	8.74E-10	-4.77E-08
5265	473863.09, 3865877.25	7.98E-07	1.44E-08	-7.84E-07	3.36E-08	6.04E-10	-3.30E-08	5.03E-08	9.05E-10	-4.94E-08
5266	474363.09, 3865877.25	8.35E-07	1.50E-08	-8.20E-07	3.51E-08	6.33E-10	-3.45E-08	5.26E-08	9.47E-10	-5.17E-08
5267	474863.09, 3865877.25	8.54E-07	1.54E-08	-8.39E-07	3.59E-08	6.47E-10	-3.53E-08	5.38E-08	9.68E-10	-5.28E-08
5268	475363.09, 3865877.25	8.95E-07	1.61E-08	-8.79E-07	3.77E-08	6.78E-10	-3.70E-08	5.64E-08	1.02E-09	-5.54E-08
5269	475863.09, 3865877.25	9.16E-07	1.65E-08	-8.99E-07	3.85E-08	6.93E-10	-3.78E-08	5.77E-08	1.04E-09	-5.66E-08
5270	476363.09, 3865877.25	6.39E-07	1.15E-08	-6.28E-07	2.69E-08	4.84E-10	-2.64E-08	4.03E-08	7.25E-10	-3.95E-08
5271	476863.09, 3865877.25	4.70E-07	8.46E-09	-4.61E-07	1.98E-08	3.56E-10	-1.94E-08	2.96E-08	5.33E-10	-2.91E-08
5272	477363.09, 3865877.25	7.81E-07	1.41E-08	-7.67E-07	3.29E-08	5.91E-10	-3.23E-08	4.92E-08	8.86E-10	-4.83E-08
5273	477863.09, 3865877.25	9.91E-07	1.78E-08	-9.74E-07	4.17E-08	7.51E-10	-4.10E-08	6.25E-08	1.12E-09	-6.13E-08
5274	478363.09, 3865877.25	1.04E-06	1.86E-08	-1.02E-06	4.36E-08	7.85E-10	-4.28E-08	6.53E-08	1.17E-09	-6.41E-08
5275	478863.09, 3865877.25	1.08E-06	1.94E-08	-1.06E-06	4.54E-08	8.18E-10	-4.46E-08	6.81E-08	1.23E-09	-6.68E-08
5276	479363.09, 3865877.25	1.13E-06	2.03E-08	-1.11E-06	4.74E-08	8.53E-10	-4.65E-08	7.09E-08	1.28E-09	-6.97E-08
5277	479863.09, 3865877.25	1.19E-06	2.14E-08	-1.17E-06	5.01E-08	9.02E-10	-4.92E-08	7.50E-08	1.35E-09	-7.37E-08
5278	480363.09, 3865877.25	1.26E-06	2.27E-08	-1.24E-06	5.31E-08	9.56E-10	-5.21E-08	7.95E-08	1.43E-09	-7.81E-08
5279	480863.09, 3865877.25	1.34E-06	2.41E-08	-1.31E-06	5.62E-08	1.01E-09	-5.52E-08	8.42E-08	1.52E-09	-8.27E-08
5280	481363.09, 3865877.25	1.41E-06	2.54E-08	-1.39E-06	5.94E-08	1.07E-09	-5.84E-08	8.90E-08	1.60E-09	-8.74E-08
5281	481863.09, 3865877.25	1.48E-06	2.67E-08	-1.45E-06	6.23E-08	1.12E-09	-6.12E-08	9.33E-08	1.68E-09	-9.16E-08
5282	482363.09, 3865877.25	1.55E-06	2.80E-08	-1.53E-06	6.54E-08	1.18E-09	-6.42E-08	9.79E-08	1.76E-09	-9.62E-08
5283	482863.09, 3865877.25	1.61E-06	2.91E-08	-1.59E-06	6.79E-08	1.22E-09	-6.67E-08	1.02E-07	1.83E-09	-9.99E-08
5284	483363.09, 3865877.25	1.67E-06	3.02E-08	-1.64E-06	7.05E-08	1.27E-09	-6.92E-08	1.06E-07	1.90E-09	-1.04E-07
5285	483863.09, 3865877.25	1.70E-06	3.05E-08	-1.67E-06	7.14E-08	1.28E-09	-7.01E-08	1.07E-07	1.92E-09	-1.05E-07
5286	484363.09, 3865877.25	1.77E-06	3.18E-08	-1.73E-06	7.43E-08	1.34E-09	-7.29E-08	1.11E-07	2.00E-09	-1.09E-07
5287	484863.09, 3865877.25	1.87E-06	3.37E-08	-1.84E-06	7.88E-08	1.42E-09	-7.74E-08	1.18E-07	2.12E-09	-1.16E-07
5288	485363.09, 3865877.25	1.99E-06	3.58E-08	-1.95E-06	8.37E-08	1.51E-09	-8.22E-08	1.25E-07	2.26E-09	-1.23E-07
5289	485863.09, 3865877.25	2.12E-06	3.82E-08	-2.08E-06	8.91E-08	1.60E-09	-8.75E-08	1.33E-07	2.40E-09	-1.31E-07
5290	486363.09, 3865877.25	2.24E-06	4.04E-08	-2.20E-06	9.44E-08	1.70E-09	-9.27E-08	1.41E-07	2.54E-09	-1.39E-07
5291	486863.09, 3865877.25	2.33E-06	4.19E-08	-2.29E-06	9.79E-08	1.76E-09	-9.62E-08	1.47E-07	2.64E-09	-1.44E-07
5292	487363.09, 3865877.25	2.36E-06	4.25E-08	-2.32E-06	9.92E-08	1.79E-09	-9.74E-08	1.49E-07	2.67E-09	-1.46E-07
5293	487863.09, 3865877.25	2.36E-06	4.24E-08	-2.31E-06	9.92E-08	1.79E-09	-9.74E-08	1.48E-07	2.67E-09	-1.46E-07
5294	488363.09, 3865877.25	2.46E-06	4.43E-08	-2.42E-06	1.04E-07	1.86E-09	-1.02E-07	1.55E-07	2.79E-09	-1.52E-07
5295	488863.09, 3865877.25	2.58E-06	4.65E-08	-2.54E-06	1.09E-07	1.96E-09	-1.07E-07	1.63E-07	2.93E-09	-1.60E-07
5296	489363.09, 3865877.25	2.72E-06	4.90E-08	-2.67E-06	1.14E-07	2.06E-09	-1.12E-07	1.71E-07	3.08E-09	-1.68E-07
5297	489863.09, 3865877.25	2.90E-06	5.22E-08	-2.85E-06	1.22E-07	2.20E-09	-1.20E-07	1.83E-07	3.29E-09	-1.79E-07
5298	490363.09, 3865877.25	2.28E-06	4.11E-08	-2.24E-06	9.61E-08	1.73E-09	-9.44E-08	1.44E-07	2.59E-09	-1.41E-07
5299	490863.09, 3865877.25	1.32E-06	2.37E-08	-1.29E-06	5.55E-08	9.98E-10	-5.45E-08	8.30E-08	1.49E-09	-8.15E-08
5300	491363.09, 3865877.25	9.14E-07	1.65E-08	-8.98E-07	3.85E-08	6.92E-10	-3.78E-08	5.76E-08	1.04E-09	-5.65E-08
5301	491863.09, 3865877.25	1.03E-06	1.85E-08	-1.01E-06	4.32E-08	7.77E-10	-4.24E-08	6.46E-08	1.16E-09	-6.35E-08
5302	492363.09, 3865877.25	8.52E-07	1.53E-08	-8.37E-07	3.59E-08	6.46E-10	-3.52E-08	5.37E-08	9.67E-10	-5.27E-08
5303	492863.09, 3865877.25	3.98E-07	7.17E-09	-3.91E-07	1.68E-08	3.02E-10	-1.65E-08	2.51E-08	4.52E-10	-2.46E-08
5304	493363.09, 3865877.25	3.52E-07	6.35E-09	-3.46E-07	1.48E-08	2.67E-10	-1.46E-08	2.22E-08	4.00E-10	-2.18E-08
5305	493863.09, 3865877.25	5.10E-07	9.18E-09	-5.01E-07	2.15E-08	3.86E-10	-2.11E-08	3.21E-08	5.78E-10	-3.16E-08
5306	494363.09, 3865877.25	7.99E-07	1.44E-08	-7.85E-07	3.36E-08	6.06E-10	-3.30E-08	5.04E-08	9.07E-10	-4.95E-08
5307	494863.09, 3865877.25	1.53E-06	2.75E-08	-1.50E-06	6.43E-08	1.16E-09	-6.31E-08	9.62E-08	1.73E-09	-9.45E-08
5308	495363.09, 3865877.25	1.62E-06	2.92E-08	-1.59E-06	6.83E-08	1.23E-09	-6.71E-08	1.02E-07	1.84E-09	-1.00E-07
5309	495863.09, 3865877.25	1.48E-06	2.66E-08	-1.45E-06	6.23E-08	1.12E-09	-6.11E-08	9.32E-08	1.68E-09	-9.16E-08
5310	496363.09, 3865877.25	1.35E-06	2.42E-08	-1.32E-06	5.67E-08	1.02E-09	-5.56E-08	8.48E-08	1.53E-09	-8.33E-08
5311	496863.09, 3865877.25	1.26E-06	2.27E-08	-1.24E-06	5.30E-08	9.55E-10	-5.21E-08	7.94E-08	1.43E-09	-7.80E-08
5312	497363.09, 3865877.25	1.77E-06	3.19E-08	-1.74E-06	7.46E-08	1.34E-09	-7.33E-08	1.12E-07	2.01E-09	-1.10E-07
5313	497863.09, 3865877.25	2.23E-06	4.01E-08	-2.19E-06	9.36E-08	1.69E-09	-9.19E-08	1.40E-07	2.52E-09	-1.38E-07
5314	498363.09, 3865877.25	2.08E-06	3.75E-08	-2.05E-06	8.76E-08	1.58E-09	-8.61E-08	1.31E-07	2.36E-09	-1.29E-07
5315	471363.09, 3866377.25	6.43E-07	1.16E-08	-6.32E-07	2.71E-08	4.87E-10	-2.66E-08	4.05E-08	7.30E-10	-3.98E-08
5316	471863.09, 3866377.25	6.40E-07	1.15E-08	-6.29E-07	2.69E-08	4.85E-10	-2.65E-08	4.03E-08	7.26E-10	-3.96E-08
5317	472363.09, 3866377.25	6.69E-07	1.20E-08	-6.57E-07	2.81E-08	5.07E-10	-2.76E-08	4.22E-08	7.59E-10	-4.14E-08
5318	472863.09, 3866377.25	7.44E-07	1.34E-08	-7.30E-07	3.13E-08	5.63E-10	-3.07E-08	4.68E-08	8.43E-10	-4.60E-08
5319	473363.09, 3866377.25	7.67E-07	1.38E-08	-7.53E-07	3.22E-08	5.81E-10	-3.17E-08	4.83E-08	8.69E-10	-4.74E-08
5320	473863.09, 3866377.25	7.97E-07	1.43E-08	-7.82E-07	3.35E-08	6.03E-10	-3.29E-08	5.02E-08	9.03E-10	-4.93E-08
5321	474363.09, 3866377.25	8.21E-07	1.48E-08	-8.06E-07	3.45E-08	6.22E-10	-3.39E-08	5.17E-08	9.31E-10	-5.08E-08
5322	474863.09, 3866377.25	8.30E-07	1.49E-08	-8.15E-07	3.49E-08	6.28E-10	-3.43E-08	5.23E-08	9.41E-10	-5.13E-08
5323	475363.09, 3866377.25	8.47E-07	1.52E-08	-8.32E-07	3.56E-08	6.41E-10	-3.50E-08	5.33E-08	9.60E-10	-5.24E-08
5324	475863.09, 3866377.25	8.61E-07	1.55E-08	-8.46E-07	3.62E-08	6.52E-10	-3.56E-08	5.42E-08	9.77E-10	-5.33E-08
5325	476363.09, 3866377.25	6.58E-07	1.18E-08	-6.46E-07	2.77E-08	4.98E-10	-2.72E-08	4.14E-08	7.46E-10	-4.07E-08
5326	476863.09, 3866377.25	3.78E-07	6.81E-09	-3.71E-07	1.59E-08	2.86E-10	-1.56E-08	2.38E-08	4.29E-10	-2.34E-08
5327	477363.09, 3866377.25	5.59E-07	1.01E-08	-5.49E-07	2.35E-08	4.23E-10	-2.31E-08	3.52E-08	6.34E-10	-3.46E-08
5328	477863.09, 3866377.25	8.70E-07	1.57E-08	-8.54E-07	3.66E-08	6.59E-10	-3.59E-08	5.48E-08	9.86E-10	-5.38E-08
5329	478363.09, 3866377.25	9.91E-07	1.78E-08	-9.74E-07	4.17E-08	7.51E-10	-4.10E-08	6.25E-08	1.12E-09	-6.13E-08
5330	478863.09, 3866377.25	1.06E-06	1.91E-08	-1.04E-06	4.46E-08	8.03E-10	-4.38E-08	6.68E-08	1.20E-09	-6.56E-08
5331	479363.09, 3866377.25	1.12E-06	2.02E-08	-1.10E-06	4.73E-08	8.51E-10	-4.64E-08	7.08E-08	1.27E-09	-6.95E-08
5332	479863.09, 3866377.25	1.18E-06	2.12E-08	-1.16E-06	4.95E-08	8.92E-10	-4.87E-08	7.42E-08	1.34E-09	-7.29E-08
5333	480363.09, 3866377.25	1.23E-06	2.22E-08	-1.21E-06	5.18E-08	9.32E-10	-5.08E-08	7.75E-08	1.40E-09	-7.61E-08
5334	480863.09, 3866377.25	1.28E-06	2.31E-08	-1.26E-06	5.39E-08	9.70E-10	-5.29E-08	8.07E-08	1.45E-09	-7.92E-08
5335	481363.09, 3866377.25	1.32E-06	2.38E-08	-1.30E-06	5.55E-08	9.99E-10	-5.45E-08	8.31E-08	1.50E-09	-8.16E-08
5336	481863.09, 3866377.25	1.39E-06	2.50E-08	-1.37E-06	5.85E-08	1.05E-09	-5.75E-08	8.76E-08	1.58E-09	-8.61E-08
5337	482363.09, 3866377.25	1.44E-06	2.60E-08	-1.42E-06	6.07E-08	1.09E-09	-5.96E-08	9.09E-08	1.64E-09	-8.93E-08
5338	482863.09, 3866377.25	1.50E-06	2.71E-08	-1.48E-06	6.33E-08	1.14E-09	-6.22E-08	9.48E-08	1.71E-09	-9.31E-08
5339	483363.09, 3866377.25	1.58E-06	2.84E-08	-1.55E-06	6.63E-08	1.19E-09	-6.51E-08	9.93E-08	1.79E-09	-9.75E-08
5340	483863.09, 3866377.25	1.65E-06	2.98E-08	-1.63E-06	6.96E-08	1.25E-09	-6.84E-08	1.04E-07	1.88E-09	-1.02E-07
5341	484363.09, 3866377.25	1.74E-06	3.13E-08	-1.71E-06	7.32E-08	1.32E-09	-7.19E-08	1.10E-07	1.97E-09	-1.08E-07
5342	484863.09, 3866377.25	1.79E-06	3.23E-08	-1.76E-06	7.54E-08	1.36E-09	-7.40E-08	1.13E-07	2.03E-09	-1.11E-07
5343	485363.09, 3866377.25	1.91E-06	3.44E-08	-1.87E-06	8.03E-08	1.45E-09	-7.88E-08	1.20E-07	2.16E-09	-1.18E-07
5344	485863.09, 3866377.25	1.98E-06	3.56E-08	-1.94E-06	8.32E-08	1.50E-09	-8.17E-08	1.25E-07	2.24E-09	-1.22E-07
5345	486363.09, 3866377.25	1.97E-06	3.54E-08	-1.93E-06	8.28E-08	1.49E-09	-8.13E-08	1.24E-07	2.23E-09	-1.22E-07
5346	486863.09, 3866377.25	1.98E-06	3.56E-08	-1.94E-06	8.31E-08	1.50E-09	-8.16E-08	1.24E-07	2.24E-09	-1.22E-07

5347	487363.09, 3866377.25	1.82E-06	3.28E-08	-1.79E-06	7.67E-08	1.38E-09	-7.53E-08	1.15E-07	2.07E-09	-1.13E-07
5348	487863.09, 3866377.25	1.61E-06	2.90E-08	-1.58E-06	6.78E-08	1.22E-09	-6.66E-08	1.02E-07	1.83E-09	-9.97E-08
5349	488363.09, 3866377.25	1.77E-06	3.19E-08	-1.74E-06	7.44E-08	1.34E-09	-7.31E-08	1.11E-07	2.01E-09	-1.09E-07
5350	488863.09, 3866377.25	1.43E-06	2.58E-08	-1.41E-06	6.03E-08	1.09E-09	-5.92E-08	9.03E-08	1.62E-09	-8.86E-08
5351	489363.09, 3866377.25	1.28E-06	2.30E-08	-1.26E-06	5.38E-08	9.68E-10	-5.28E-08	8.05E-08	1.45E-09	-7.91E-08
5352	489863.09, 3866377.25	8.57E-07	1.54E-08	-8.41E-07	3.60E-08	6.49E-10	-3.54E-08	5.40E-08	9.72E-10	-5.30E-08
5353	490363.09, 3866377.25	2.11E-06	3.80E-08	-2.08E-06	8.89E-08	1.60E-09	-8.73E-08	1.33E-07	2.40E-09	-1.31E-07
5354	490863.09, 3866377.25	2.50E-06	4.50E-08	-2.45E-06	1.05E-07	1.89E-09	-1.03E-07	1.57E-07	2.83E-09	-1.54E-07
5355	491363.09, 3866377.25	1.93E-06	3.48E-08	-1.90E-06	8.13E-08	1.46E-09	-7.98E-08	1.22E-07	2.19E-09	-1.19E-07
5356	491863.09, 3866377.25	7.03E-07	1.27E-08	-6.91E-07	2.96E-08	5.33E-10	-2.91E-08	4.43E-08	7.98E-10	-4.35E-08
5357	492363.09, 3866377.25	8.63E-07	1.55E-08	-8.47E-07	3.63E-08	6.53E-10	-3.56E-08	5.43E-08	9.78E-10	-5.34E-08
5358	492863.09, 3866377.25	4.99E-07	8.98E-09	-4.90E-07	2.10E-08	3.78E-10	-2.06E-08	3.14E-08	5.65E-10	-3.08E-08
5359	493363.09, 3866377.25	6.12E-07	1.10E-08	-6.01E-07	2.57E-08	4.63E-10	-2.53E-08	3.85E-08	6.94E-10	-3.78E-08
5360	493863.09, 3866377.25	7.58E-07	1.36E-08	-7.44E-07	3.19E-08	5.74E-10	-3.13E-08	4.77E-08	8.60E-10	-4.69E-08
5361	494363.09, 3866377.25	1.20E-06	2.16E-08	-1.18E-06	5.05E-08	9.09E-10	-4.96E-08	7.56E-08	1.36E-09	-7.43E-08
5362	494863.09, 3866377.25	1.10E-06	1.98E-08	-1.08E-06	4.62E-08	8.31E-10	-4.53E-08	6.91E-08	1.24E-09	-6.79E-08
5363	495363.09, 3866377.25	8.91E-07	1.60E-08	-8.75E-07	3.75E-08	6.75E-10	-3.68E-08	5.61E-08	1.01E-09	-5.51E-08
5364	495863.09, 3866377.25	7.61E-07	1.37E-08	-7.47E-07	3.20E-08	5.76E-10	-3.14E-08	4.79E-08	8.63E-10	-4.71E-08
5365	496363.09, 3866377.25	7.41E-07	1.33E-08	-7.27E-07	3.12E-08	5.61E-10	-3.06E-08	4.67E-08	8.40E-10	-4.58E-08
5366	496863.09, 3866377.25	7.18E-07	1.29E-08	-7.05E-07	3.02E-08	5.44E-10	-2.97E-08	4.52E-08	8.14E-10	-4.44E-08
5367	497363.09, 3866377.25	8.17E-07	1.47E-08	-8.02E-07	3.44E-08	6.19E-10	-3.37E-08	5.14E-08	9.26E-10	-5.05E-08
5368	497863.09, 3866377.25	1.12E-06	2.02E-08	-1.10E-06	4.71E-08	8.49E-10	-4.63E-08	7.06E-08	1.27E-09	-6.93E-08
5369	498363.09, 3866377.25	1.03E-06	1.86E-08	-1.01E-06	4.34E-08	7.81E-10	-4.26E-08	6.50E-08	1.17E-09	-6.38E-08
5370	474494.92, 3848334.16	1.98E-07	3.56E-09	-1.94E-07	8.32E-09	1.50E-10	-8.17E-09	1.25E-08	2.24E-10	-1.22E-08
5371	475167.27, 3848920.79	2.06E-07	3.71E-09	-2.03E-07	8.68E-09	1.56E-10	-8.52E-09	1.30E-08	2.34E-10	-1.28E-08
5372	475297.89, 3848997.96	2.09E-07	3.77E-09	-2.05E-07	8.80E-09	1.58E-10	-8.64E-09	1.32E-08	2.37E-10	-1.29E-08
5373	475439.05, 3849062	2.02E-07	3.64E-09	-1.98E-07	8.50E-09	1.53E-10	-8.35E-09	1.27E-08	2.29E-10	-1.25E-08
5374	475486.86, 3849061.09	2.01E-07	3.61E-09	-1.97E-07	8.44E-09	1.52E-10	-8.29E-09	1.26E-08	2.27E-10	-1.24E-08
5375	475538.46, 3849075.56	2.03E-07	3.66E-09	-2.00E-07	8.56E-09	1.54E-10	-8.41E-09	1.28E-08	2.31E-10	-1.26E-08
5376	475751.79, 3849137.15	2.24E-07	4.02E-09	-2.19E-07	9.40E-09	1.69E-10	-9.23E-09	1.41E-08	2.53E-10	-1.38E-08
5377	476303.62, 3849223.38	2.65E-07	4.77E-09	-2.60E-07	1.12E-08	2.01E-10	-1.10E-08	1.67E-08	3.01E-10	-1.64E-08
5378	476304.51, 3849238.92	2.65E-07	4.77E-09	-2.60E-07	1.12E-08	2.01E-10	-1.10E-08	1.67E-08	3.01E-10	-1.64E-08
5379	476365.04, 3849247.98	2.71E-07	4.88E-09	-2.66E-07	1.14E-08	2.05E-10	-1.12E-08	1.71E-08	3.07E-10	-1.68E-08
5380	476444.86, 3849267.13	2.68E-07	4.82E-09	-2.63E-07	1.13E-08	2.03E-10	-1.11E-08	1.69E-08	3.04E-10	-1.66E-08
5381	476550.75, 3849300.66	2.84E-07	5.11E-09	-2.79E-07	1.19E-08	2.15E-10	-1.17E-08	1.79E-08	3.22E-10	-1.75E-08
5382	476656.71, 3849346.88	2.91E-07	5.24E-09	-2.86E-07	1.22E-08	2.20E-10	-1.20E-08	1.83E-08	3.30E-10	-1.80E-08
5383	476873.55, 3849454.53	3.08E-07	5.55E-09	-3.02E-07	1.30E-08	2.33E-10	-1.27E-08	1.94E-08	3.49E-10	-1.91E-08
5384	477700, 3849859.7	3.64E-07	6.55E-09	-3.57E-07	1.53E-08	2.76E-10	-1.50E-08	2.29E-08	4.13E-10	-2.25E-08
5385	477743.16, 3849856.38	3.64E-07	6.55E-09	-3.57E-07	1.53E-08	2.76E-10	-1.50E-08	2.29E-08	4.13E-10	-2.25E-08
5386	478477.35, 3850216.33	3.74E-07	6.73E-09	-3.67E-07	1.57E-08	2.83E-10	-1.54E-08	2.36E-08	4.24E-10	-2.31E-08
5387	478485.8, 3850201.6	3.74E-07	6.73E-09	-3.67E-07	1.57E-08	2.83E-10	-1.54E-08	2.36E-08	4.24E-10	-2.31E-08
5388	479113.21, 3850501.53	4.44E-07	8.00E-09	-4.36E-07	1.87E-08	3.36E-10	-1.83E-08	2.80E-08	5.04E-10	-2.75E-08
5389	479108.11, 3850382.28	4.31E-07	7.76E-09	-4.23E-07	1.81E-08	3.27E-10	-1.78E-08	2.72E-08	4.89E-10	-2.67E-08
5390	479689.85, 3850674.28	4.18E-07	7.53E-09	-4.11E-07	1.76E-08	3.17E-10	-1.73E-08	2.64E-08	4.74E-10	-2.59E-08
5391	479952.42, 3850774.28	4.24E-07	7.64E-09	-4.16E-07	1.78E-08	3.21E-10	-1.75E-08	2.67E-08	4.81E-10	-2.62E-08
5392	479911.32, 3850884.85	4.51E-07	8.13E-09	-4.43E-07	1.90E-08	3.42E-10	-1.86E-08	2.84E-08	5.12E-10	-2.79E-08
5393	480500.92, 3851178.12	5.14E-07	9.26E-09	-5.05E-07	2.16E-08	3.90E-10	-2.12E-08	3.24E-08	5.83E-10	-3.18E-08
5394	480738.01, 3851289.27	5.30E-07	9.54E-09	-5.21E-07	2.23E-08	4.02E-10	-2.19E-08	3.34E-08	6.01E-10	-3.28E-08
5395	481055.42, 3851443.58	5.44E-07	9.80E-09	-5.35E-07	2.29E-08	4.12E-10	-2.25E-08	3.43E-08	6.17E-10	-3.37E-08
5396	481110.22, 3851443.15	5.36E-07	9.65E-09	-5.26E-07	2.25E-08	4.06E-10	-2.21E-08	3.38E-08	6.08E-10	-3.31E-08
5397	481111.1, 3851417.45	5.26E-07	9.47E-09	-5.16E-07	2.21E-08	3.98E-10	-2.17E-08	3.31E-08	5.96E-10	-3.25E-08
5398	482248.44, 3852605.09	7.38E-07	1.33E-08	-7.25E-07	3.10E-08	5.59E-10	-3.05E-08	4.65E-08	8.37E-10	-4.56E-08
5399	482273.34, 3852632.31	7.39E-07	1.33E-08	-7.26E-07	3.11E-08	5.60E-10	-3.05E-08	4.66E-08	8.38E-10	-4.57E-08
5400	482665.46, 3853038.72	7.68E-07	1.38E-08	-7.54E-07	3.23E-08	5.82E-10	-3.17E-08	4.84E-08	8.71E-10	-4.75E-08
5401	483077.95, 3853844.31	6.42E-07	1.16E-08	-6.30E-07	2.70E-08	4.86E-10	-2.65E-08	4.04E-08	7.28E-10	-3.97E-08
5402	483121.38, 3853909.38	6.22E-07	1.12E-08	-6.11E-07	2.62E-08	4.71E-10	-2.57E-08	3.92E-08	7.05E-10	-3.85E-08
5403	483492.64, 3853911.49	6.07E-07	1.09E-08	-5.97E-07	2.56E-08	4.60E-10	-2.51E-08	3.83E-08	6.89E-10	-3.76E-08
5404	483498.29, 3854204.73	5.67E-07	1.02E-08	-5.57E-07	2.39E-08	4.30E-10	-2.34E-08	3.57E-08	6.43E-10	-3.51E-08
5405	484132.44, 3854662.55	3.91E-07	7.04E-09	-3.84E-07	1.65E-08	2.96E-10	-1.62E-08	2.46E-08	4.44E-10	-2.42E-08
5406	484627.62, 3854876.13	4.47E-07	8.05E-09	-4.39E-07	1.88E-08	3.39E-10	-1.85E-08	2.82E-08	5.07E-10	-2.77E-08
5407	484756.14, 3854949.04	4.69E-07	8.43E-09	-4.60E-07	1.97E-08	3.55E-10	-1.94E-08	2.95E-08	5.31E-10	-2.90E-08
5408	486697.51, 3856599.17	7.34E-07	1.32E-08	-7.20E-07	3.09E-08	5.56E-10	-3.03E-08	4.62E-08	8.32E-10	-4.54E-08
5409	487105.31, 3856962.27	9.27E-07	1.67E-08	-9.10E-07	3.90E-08	7.02E-10	-3.83E-08	5.84E-08	1.05E-09	-5.73E-08
5410	487157.57, 3856901.7	9.06E-07	1.63E-08	-8.89E-07	3.81E-08	6.86E-10	-3.74E-08	5.70E-08	1.03E-09	-5.60E-08
5411	487173.5, 3856853.74	8.84E-07	1.59E-08	-8.68E-07	3.72E-08	6.70E-10	-3.65E-08	5.57E-08	1.00E-09	-5.47E-08
5412	487564.41, 3856860.83	9.30E-07	1.67E-08	-9.13E-07	3.91E-08	7.04E-10	-3.84E-08	5.86E-08	1.05E-09	-5.75E-08
5413	487563.31, 3856931.58	9.59E-07	1.73E-08	-9.41E-07	4.03E-08	7.26E-10	-3.96E-08	6.04E-08	1.09E-09	-5.93E-08
5414	487782.7, 3856926.85	1.00E-06	1.81E-08	-9.85E-07	4.22E-08	7.60E-10	-4.14E-08	6.32E-08	1.14E-09	-6.20E-08
5415	487782.39, 3856757.07	9.63E-07	1.73E-08	-9.45E-07	4.05E-08	7.29E-10	-3.98E-08	6.07E-08	1.09E-09	-5.96E-08
5416	487917.26, 3856752.41	1.02E-06	1.84E-08	-1.00E-06	4.30E-08	7.74E-10	-4.22E-08	6.44E-08	1.16E-09	-6.32E-08
5417	487919.57, 3856953.35	1.06E-06	1.90E-08	-1.04E-06	4.44E-08	8.00E-10	-4.36E-08	6.65E-08	1.20E-09	-6.53E-08
5418	487932.76, 3857000.32	1.06E-06	1.91E-08	-1.04E-06	4.47E-08	8.05E-10	-4.39E-08	6.70E-08	1.21E-09	-6.58E-08
5419	487960.5, 3857044.75	1.08E-06	1.94E-08	-1.06E-06	4.53E-08	8.16E-10	-4.45E-08	6.79E-08	1.22E-09	-6.67E-08
5420	488016.54, 3857089.54	1.10E-06	1.99E-08	-1.08E-06	4.64E-08	8.36E-10	-4.56E-08	6.95E-08	1.25E-09	-6.82E-08
5421	488114.39, 3857165.47	1.16E-06	2.09E-08	-1.14E-06	4.88E-08	8.79E-10	-4.79E-08	7.31E-08	1.32E-09	-7.18E-08
5422	488171.49, 3857234.24	1.22E-06	2.19E-08	-1.19E-06	5.12E-08	9.21E-10	-5.03E-08	7.66E-08	1.38E-09	-7.52E-08
5423	488193.16, 3857297.8	1.27E-06	2.29E-08	-1.25E-06	5.36E-08	9.65E-10	-5.26E-08	8.02E-08	1.44E-09	-7.88E-08
5424	488189.27, 3857649.94	1.53E-06	2.76E-08	-1.50E-06	6.44E-08	1.16E-09	-6.33E-08	9.65E-08	1.74E-09	-9.47E-08
5425	488127.43, 3857732.32	1.53E-06	2.75E-08	-1.50E-06	6.43E-08	1.16E-09	-6.31E-08	9.62E-08	1.73E-09	-9.45E-08
5426	488149.93, 3857752.94	1.53E-06	2.76E-08	-1.51E-06	6.46E-08	1.16E-09	-6.34E-08	9.67E-08	1.74E-09	-9.49E-08
5427	488144.76, 3857758.71	1.53E-06	2.76E-08	-1.50E-06	6.44E-08	1.16E-09	-6.33E-08	9.65E-08	1.74E-09	-9.47E-08
5428	488335.58, 3857932.55	1.75E-06	3.15E-08	-1.72E-06	7.37E-08	1.33E-09	-7.24E-08	1.10E-07	1.99E-09	-1.08E-07
5429	488372.29, 3857943.79	1.78E-06	3.21E-08	-1.75E-06	7.50E-08	1.35E-09	-7.37E-08	1.12E-07	2.02E-09	-1.10E-07
5430	488828.64, 3857936.4	1.94E-06	3.50E-08	-1.91E-06	8.17E-08	1.47E-09	-8.02E-08	1.22E-07	2.20E-09	-1.20E-07
5431	488829.08, 3857959.58	1.94E-06	3.50E-08	-1.91E-06	8.18E-08	1.47E-09	-8.03E-08	1.22E-07	2.21E-09	-1.20E-07
5432	488351.61, 3857964.55	1.78E-06	3.21E-08	-1.75E-06	7.50E-08	1.35E-09	-7.36E-08	1.12E-07	2.02E-09	-1.10E-07
5433	488316.87, 3857947.65	1.75E-06	3.15E-08	-1.72E-06	7.36E-08	1.33E-09	-7.23E-08	1.10E-07	1.98E-09	-1.08E-07
5434	488129.1, 3857775.77	1.53E-06	2.75E-08	-1.50E-06	6.42E-08	1.16E-09	-6.30E-08	9.61E-08	1.73E-09	-9.44E-08
5435	488062.53, 3857846.13	1.53E-06	2.75E-08	-1.50E-06	6.43E-08	1.16E-09	-6.32E-08	9.63E-08	1.73E-09	-9.46E-08
5436	488330.41, 3858091.34	1.77E-06	3.18E-08	-1.74E-06	7.44E-08	1.34E-09	-7.30E-08	1.11E-07	2.01E-09	-1.09E-07
5437	488470.87, 3858174.45	1.91E-06	3.44E-08	-1.87E-06	8.03E-08	1.45E-09	-7.88E-08	1.20E-07	2.16E-09	-1.18E-07
5438	488568.9, 3858262.31	2.13E-06	3.84E-08	-2.09E-06	8.96E-08	1.61E-09	-8.80E-08	1.34E-07	2.42E-09	-1.32E-07
5439	488964.27, 3858025.71	1.99E-06	3.59E-08	-1.96E-06	8.38E-08	1.51E-09	-8.23E-08	1.25E-07	2.26E-09	-1.23E-07
5440	489147.25, 3857956.64	1.92E-06	3.46E-08	-1.89E-06	8.08E-08	1.46E-09	-7.94E-08	1.21E-07	2.18E-09	-1.19E-07
5441	489343.52, 3857932.45	1.85E-06	3.33E-08	-1.81E-06	7.78E-08	1.40E-09	-7.64E-08	1.16E-07	2.10E-09	-1.14E-07
5442	489866.19, 3857923.19	1.81E-06	3.26E-08	-1.78E-06	7.61E-08	1.37E-09	-7.47E-08	1.14E-07	2.05E-09	-1.12E-07
5443	489955.65, 3857902.27	1.78E-06	3.20E-08	-1.75E-06	7.48E-08	1.35E-09	-7.35E-08	1.12E-07	2.02E-09	-1.10E-07
5444	490079.44, 3857847.9	1.82E-06	3.28E-08	-1.79E-06	7.67E-08	1.38E-09	-7.54E-08	1.15E-07	2.07E-09	-1.13E-07
5445	490108.49, 3857934.13	1.84E-06	3.30E-08	-1.80E-06	7.72E-08	1.39E-09	-7.58E-08	1.16E-07	2.08E-09	-1.14E-07
5446	489884.48, 3858014.17	1.83E-06	3.29E-08	-1.80E-06	7.70E-08	1.39E-09	-7.56E-08	1.15E-07	2.08E-09	-1.13E-07
5447	489326.56, 3858025.86	1.92E-06	3.45E-08	-1.88E-06	8.07E-08	1.45E-09	-7.93E-08	1.21E-07	2.18E-09	-1.19E-07
5448	489130.38, 3858056.71	1.93E-06	3.47E-08	-1.89E-06	8.11E-08	1.46E-09	-7.97E-08	1.21E-07	2.19E-09	-1.19E-07
5449	488936.49, 3858143.93	2.05E-06	3.69E-08	-2.01E-06	8.63E-08	1.55E-09	-8.47E-08	1.29E-07	2.33E-09	-1.27E-07
5450	488638.08, 3858327.45	2.16E-06	3.90E-08	-2.12E-06	9.10E-08	1.64E-09	-8.94E-08	1.36E-07	2.45E-09	-1.34E-07
5451	488663.79, 3858349.57	2.16E-06	3.89E-08	-2.12E-06	9.10E-08	1.64E-09	-8.93E-08	1.36E-07	2.45E-09	-1.34E-07
5452	488694.56, 3858349.5	2.16E-06	3.89E-08	-2.12E-06	9.10E-08	1.64E-09	-8.93E-08	1.36E-07	2.45E-09	-1.34E-07
5453	488694.35, 3858336.75	2.16E-06	3.89E-08	-2.12E-06	9.09E-08	1.64E-09	-8.93E-08	1.36E-07	2.45E-09	-1.34E-07

5454	488712.81, 3858336.38	2.16E-06	3.89E-08	-2.12E-06	9.08E-08	1.64E-09	-8.92E-08	1.36E-07	2.45E-09	-1.34E-07
5455	488713.23, 3858367.46	2.17E-06	3.90E-08	-2.13E-06	9.12E-08	1.64E-09	-8.96E-08	1.37E-07	2.46E-09	-1.34E-07
5456	488704.63, 3858384.05	2.18E-06	3.92E-08	-2.14E-06	9.16E-08	1.65E-09	-9.00E-08	1.37E-07	2.47E-09	-1.35E-07
5457	488604.15, 3858488.29	2.23E-06	4.01E-08	-2.19E-06	9.37E-08	1.69E-09	-9.20E-08	1.40E-07	2.53E-09	-1.38E-07
5458	488605.66, 3858550.47	2.28E-06	4.11E-08	-2.24E-06	9.61E-08	1.73E-09	-9.44E-08	1.44E-07	2.59E-09	-1.41E-07
5459	488692.68, 3858548.71	2.28E-06	4.11E-08	-2.24E-06	9.61E-08	1.73E-09	-9.44E-08	1.44E-07	2.59E-09	-1.41E-07
5460	488759.93, 3858461.81	2.20E-06	3.96E-08	-2.16E-06	9.25E-08	1.67E-09	-9.09E-08	1.39E-07	2.49E-09	-1.36E-07
5461	488816.57, 3858541.79	2.25E-06	4.04E-08	-2.20E-06	9.45E-08	1.70E-09	-9.28E-08	1.41E-07	2.55E-09	-1.39E-07
5462	488944.63, 3858656.77	2.30E-06	4.13E-08	-2.25E-06	9.66E-08	1.74E-09	-9.48E-08	1.45E-07	2.60E-09	-1.42E-07
5463	489134.91, 3858830.7	2.39E-06	4.31E-08	-2.35E-06	1.01E-07	1.81E-09	-9.89E-08	1.51E-07	2.72E-09	-1.48E-07
5464	489193.99, 3858886.05	2.44E-06	4.39E-08	-2.39E-06	1.03E-07	1.85E-09	-1.01E-07	1.54E-07	2.77E-09	-1.51E-07
5465	489295.2, 3858954.34	2.51E-06	4.51E-08	-2.46E-06	1.05E-07	1.90E-09	-1.04E-07	1.58E-07	2.84E-09	-1.55E-07
5466	489295.64, 3858992.74	2.57E-06	4.62E-08	-2.52E-06	1.08E-07	1.94E-09	-1.06E-07	1.62E-07	2.91E-09	-1.59E-07
5467	489183.74, 3858911.72	2.47E-06	4.44E-08	-2.42E-06	1.04E-07	1.87E-09	-1.02E-07	1.56E-07	2.80E-09	-1.53E-07
5468	488873.37, 3858625.59	2.29E-06	4.11E-08	-2.24E-06	9.61E-08	1.73E-09	-9.44E-08	1.44E-07	2.59E-09	-1.41E-07
5469	488842.84, 3858658.69	2.34E-06	4.21E-08	-2.30E-06	9.84E-08	1.77E-09	-9.66E-08	1.47E-07	2.65E-09	-1.45E-07
5470	488856.39, 3858670.93	2.33E-06	4.20E-08	-2.29E-06	9.81E-08	1.77E-09	-9.63E-08	1.47E-07	2.64E-09	-1.44E-07
5471	488805.7, 3858724.5	2.40E-06	4.32E-08	-2.36E-06	1.01E-07	1.82E-09	-9.92E-08	1.51E-07	2.72E-09	-1.49E-07
5472	488805.87, 3858804.16	2.50E-06	4.51E-08	-2.46E-06	1.05E-07	1.90E-09	-1.03E-07	1.58E-07	2.84E-09	-1.55E-07
5473	488995.78, 3858936.96	2.61E-06	4.70E-08	-2.56E-06	1.10E-07	1.98E-09	-1.08E-07	1.64E-07	2.96E-09	-1.61E-07
5474	489130.76, 3859017.38	2.65E-06	4.76E-08	-2.60E-06	1.11E-07	2.00E-09	-1.09E-07	1.67E-07	3.00E-09	-1.64E-07
5475	489130.92, 3859052.24	2.70E-06	4.85E-08	-2.65E-06	1.13E-07	2.04E-09	-1.11E-07	1.70E-07	3.06E-09	-1.67E-07
5476	489200.33, 3859090.6	2.75E-06	4.95E-08	-2.70E-06	1.16E-07	2.08E-09	-1.14E-07	1.73E-07	3.12E-09	-1.70E-07
5477	489296.07, 3859143.7	2.84E-06	5.10E-08	-2.78E-06	1.19E-07	2.15E-09	-1.17E-07	1.79E-07	3.22E-09	-1.75E-07
5478	489296.43, 3858954.74	2.51E-06	4.51E-08	-2.46E-06	1.05E-07	1.90E-09	-1.04E-07	1.58E-07	2.84E-09	-1.55E-07
5479	489410.33, 3859033.19	2.58E-06	4.65E-08	-2.54E-06	1.09E-07	1.96E-09	-1.07E-07	1.63E-07	2.93E-09	-1.60E-07
5480	489371.37, 3859089.8	2.70E-06	4.86E-08	-2.65E-06	1.14E-07	2.05E-09	-1.12E-07	1.70E-07	3.06E-09	-1.67E-07
5481	489390.52, 3859102.82	2.72E-06	4.90E-08	-2.67E-06	1.14E-07	2.06E-09	-1.12E-07	1.71E-07	3.09E-09	-1.68E-07
5482	489382.3, 3859114.53	2.74E-06	4.93E-08	-2.69E-06	1.15E-07	2.07E-09	-1.13E-07	1.72E-07	3.11E-09	-1.69E-07
5483	489363.04, 3859102.45	2.72E-06	4.90E-08	-2.67E-06	1.14E-07	2.06E-09	-1.12E-07	1.71E-07	3.09E-09	-1.68E-07
5484	489337.52, 3859140.71	2.82E-06	5.07E-08	-2.77E-06	1.19E-07	2.13E-09	-1.16E-07	1.77E-07	3.19E-09	-1.74E-07
5485	489375.14, 3859164.55	2.85E-06	5.13E-08	-2.80E-06	1.20E-07	2.16E-09	-1.18E-07	1.79E-07	3.23E-09	-1.76E-07
5486	489409.3, 3859114.5	2.74E-06	4.93E-08	-2.69E-06	1.15E-07	2.07E-09	-1.13E-07	1.72E-07	3.10E-09	-1.69E-07
5487	489434.87, 3859131.81	2.75E-06	4.95E-08	-2.70E-06	1.16E-07	2.08E-09	-1.14E-07	1.73E-07	3.12E-09	-1.70E-07
5488	489471.87, 3859075.75	2.62E-06	4.72E-08	-2.57E-06	1.10E-07	1.99E-09	-1.08E-07	1.65E-07	2.97E-09	-1.62E-07
5489	489602.62, 3859164.69	2.74E-06	4.93E-08	-2.69E-06	1.15E-07	2.07E-09	-1.13E-07	1.72E-07	3.11E-09	-1.69E-07
5490	489558.29, 3859232.45	2.89E-06	5.21E-08	-2.84E-06	1.22E-07	2.19E-09	-1.19E-07	1.82E-07	3.28E-09	-1.79E-07
5491	489620.11, 3859273.56	2.98E-06	5.37E-08	-2.93E-06	1.25E-07	2.26E-09	-1.23E-07	1.88E-07	3.38E-09	-1.85E-07
5492	489666.06, 3859206.42	2.82E-06	5.07E-08	-2.77E-06	1.19E-07	2.13E-09	-1.16E-07	1.77E-07	3.19E-09	-1.74E-07
5493	489787.9, 3859285.65	2.95E-06	5.32E-08	-2.90E-06	1.24E-07	2.24E-09	-1.22E-07	1.86E-07	3.35E-09	-1.83E-07
5494	489752.17, 3859343.13	3.10E-06	5.59E-08	-3.05E-06	1.31E-07	2.35E-09	-1.28E-07	1.95E-07	3.52E-09	-1.92E-07
5495	489814.94, 3859385.33	3.19E-06	5.74E-08	-3.13E-06	1.34E-07	2.41E-09	-1.32E-07	2.01E-07	3.61E-09	-1.97E-07
5496	489853.42, 3859330.74	3.04E-06	5.48E-08	-2.99E-06	1.28E-07	2.30E-09	-1.26E-07	1.92E-07	3.45E-09	-1.88E-07
5497	489969.5, 3859401.91	3.19E-06	5.75E-08	-3.14E-06	1.34E-07	2.42E-09	-1.32E-07	2.01E-07	3.62E-09	-1.98E-07
5498	490166.91, 3859486.96	3.49E-06	6.28E-08	-3.42E-06	1.47E-07	2.64E-09	-1.44E-07	2.20E-07	3.96E-09	-2.16E-07
5499	490128.86, 3859571.46	3.82E-06	6.87E-08	-3.75E-06	1.61E-07	2.89E-09	-1.58E-07	2.40E-07	4.33E-09	-2.36E-07
5500	490186.65, 3859593.65	3.88E-06	6.99E-08	-3.81E-06	1.63E-07	2.94E-09	-1.60E-07	2.44E-07	4.40E-09	-2.40E-07
5501	490223.74, 3859517.48	3.57E-06	6.42E-08	-3.50E-06	1.50E-07	2.70E-09	-1.47E-07	2.25E-07	4.04E-09	-2.21E-07
5502	490846.34, 3859817.22	3.91E-06	7.05E-08	-3.84E-06	1.65E-07	2.96E-09	-1.62E-07	2.47E-07	4.44E-09	-2.42E-07
5503	490925.65, 3859844.59	3.90E-06	7.02E-08	-3.83E-06	1.64E-07	2.95E-09	-1.61E-07	2.45E-07	4.42E-09	-2.41E-07
5504	491159.29, 3859896.28	4.19E-06	7.55E-08	-4.12E-06	1.76E-07	3.18E-09	-1.73E-07	2.64E-07	4.76E-09	-2.59E-07
5505	491370.69, 3859960.89	5.23E-06	9.42E-08	-5.14E-06	2.20E-07	3.96E-09	-2.16E-07	3.30E-07	5.94E-09	-3.24E-07
5506	491330.28, 3860063.17	6.54E-06	1.18E-07	-6.42E-06	2.75E-07	4.95E-09	-2.70E-07	4.12E-07	7.42E-09	-4.05E-07
5507	491636.45, 3860180.75	7.43E-06	1.34E-07	-7.30E-06	3.13E-07	5.63E-09	-3.07E-07	4.68E-07	8.43E-09	-4.60E-07
5508	491617.94, 3860203.93	7.73E-06	1.39E-07	-7.59E-06	3.25E-07	5.85E-09	-3.19E-07	4.87E-07	8.76E-09	-4.78E-07
5509	491805.68, 3860271.59	8.70E-06	1.57E-07	-8.55E-06	3.66E-07	6.59E-09	-3.60E-07	5.48E-07	9.87E-09	-5.38E-07
5510	491654.23, 3860414.02	9.21E-06	1.66E-07	-9.04E-06	3.87E-07	6.97E-09	-3.80E-07	5.80E-07	1.04E-08	-5.69E-07
5511	491592.62, 3860510.76	1.03E-05	1.85E-07	-1.01E-05	4.32E-07	7.79E-09	-4.25E-07	6.48E-07	1.17E-08	-6.36E-07
5512	491475.41, 3860368.93	9.53E-06	1.72E-07	-9.36E-06	4.01E-07	7.22E-09	-3.94E-07	6.01E-07	1.08E-08	-5.90E-07
5513	491445.61, 3860337.28	9.32E-06	1.68E-07	-9.15E-06	3.92E-07	7.06E-09	-3.85E-07	5.87E-07	1.06E-08	-5.77E-07
5514	491399.05, 3860300.37	8.85E-06	1.59E-07	-8.69E-06	3.72E-07	6.71E-09	-3.66E-07	5.58E-07	1.00E-08	-5.48E-07
5515	491228.84, 3860235.98	8.14E-06	1.47E-07	-8.00E-06	3.43E-07	6.17E-09	-3.36E-07	5.13E-07	9.24E-09	-5.04E-07
5516	491228.47, 3860174.57	7.64E-06	1.38E-07	-7.51E-06	3.22E-07	5.79E-09	-3.16E-07	4.82E-07	8.67E-09	-4.73E-07
5517	491145.77, 3860112.55	6.83E-06	1.23E-07	-6.70E-06	2.87E-07	5.17E-09	-2.82E-07	4.30E-07	7.74E-09	-4.22E-07
5518	490844.41, 3859966.22	5.05E-06	9.10E-08	-4.96E-06	2.13E-07	3.83E-09	-2.09E-07	3.18E-07	5.73E-09	-3.13E-07
5519	490845.55, 3859928.15	4.83E-06	8.69E-08	-4.74E-06	2.03E-07	3.65E-09	-1.99E-07	3.04E-07	5.47E-09	-2.99E-07
5520	490046.91, 3859625.6	3.93E-06	7.08E-08	-3.86E-06	1.65E-07	2.98E-09	-1.62E-07	2.48E-07	4.46E-09	-2.43E-07
5521	489970.48, 3859589.4	3.77E-06	6.79E-08	-3.71E-06	1.59E-07	2.86E-09	-1.56E-07	2.38E-07	4.28E-09	-2.33E-07
5522	489865.89, 3859529.06	3.55E-06	6.39E-08	-3.48E-06	1.49E-07	2.69E-09	-1.47E-07	2.23E-07	4.02E-09	-2.19E-07
5523	489826.89, 3859531.74	3.54E-06	6.37E-08	-3.47E-06	1.49E-07	2.68E-09	-1.46E-07	2.23E-07	4.01E-09	-2.19E-07
5524	489410.47, 3859303.06	3.13E-06	5.64E-08	-3.07E-06	1.32E-07	2.37E-09	-1.29E-07	1.97E-07	3.55E-09	-1.94E-07
5525	489407.15, 3859286.09	3.10E-06	5.58E-08	-3.04E-06	1.30E-07	2.35E-09	-1.28E-07	1.95E-07	3.51E-09	-1.92E-07
5526	488806.07, 3858963.62	2.78E-06	5.00E-08	-2.73E-06	1.17E-07	2.10E-09	-1.15E-07	1.75E-07	3.15E-09	-1.72E-07
5527	488817.64, 3859546.3	2.70E-06	4.85E-08	-2.65E-06	1.13E-07	2.04E-09	-1.11E-07	1.70E-07	3.06E-09	-1.67E-07
5528	489187.25, 3859549.52	3.10E-06	5.58E-08	-3.04E-06	1.30E-07	2.35E-09	-1.28E-07	1.95E-07	3.51E-09	-1.92E-07
5529	489187.66, 3859523.74	3.14E-06	5.66E-08	-3.09E-06	1.32E-07	2.38E-09	-1.30E-07	1.98E-07	3.56E-09	-1.94E-07
5530	489232.59, 3859522.85	3.17E-06	5.71E-08	-3.11E-06	1.33E-07	2.40E-09	-1.31E-07	2.00E-07	3.60E-09	-1.96E-07
5531	489224.98, 3859759.91	2.98E-06	5.37E-08	-2.93E-06	1.25E-07	2.26E-09	-1.23E-07	1.88E-07	3.38E-09	-1.84E-07
5532	488401.39, 3859763.34	2.96E-06	5.33E-08	-2.91E-06	1.25E-07	2.24E-09	-1.22E-07	1.87E-07	3.36E-09	-1.83E-07
5533	488405.51, 3859966.16	3.19E-06	5.74E-08	-3.13E-06	1.34E-07	2.42E-09	-1.32E-07	2.01E-07	3.62E-09	-1.97E-07
5534	489202.85, 3859956.57	3.28E-06	5.91E-08	-3.22E-06	1.38E-07	2.49E-09	-1.36E-07	2.07E-07	3.72E-09	-2.03E-07
5535	489191.9, 3860676.74	3.82E-06	6.88E-08	-3.75E-06	1.61E-07	2.89E-09	-1.58E-07	2.41E-07	4.33E-09	-2.36E-07
5536	488392.82, 3860687.88	2.98E-06	5.37E-08	-2.93E-06	1.25E-07	2.26E-09	-1.23E-07	1.88E-07	3.38E-09	-1.85E-07
5537	488392.82, 3860760.27	2.91E-06	5.24E-08	-2.86E-06	1.22E-07	2.20E-09	-1.20E-07	1.83E-07	3.30E-09	-1.80E-07
5538	487549.05, 3860777.45	2.74E-06	4.93E-08	-2.69E-06	1.15E-07	2.08E-09	-1.13E-07	1.73E-07	3.11E-09	-1.70E-07
5539	487554.62, 3859571.83	2.59E-06	4.66E-08	-2.54E-06	1.09E-07	1.96E-09	-1.07E-07	1.63E-07	2.93E-09	-1.60E-07
5540	485949.46, 3859558.54	2.18E-06	3.93E-08	-2.14E-06	9.17E-08	1.65E-09	-9.01E-08	1.37E-07	2.47E-09	-1.35E-07
5541	485947.55, 3857943.61	2.01E-06	3.61E-08	-1.97E-06	8.44E-08	1.52E-09	-8.29E-08	1.26E-07	2.28E-09	-1.24E-07
5542	484738.38, 3857940.21	1.48E-06	2.66E-08	-1.45E-06	6.21E-08	1.12E-09	-6.10E-08	9.30E-08	1.67E-09	-9.13E-08
5543	484737.06, 3857535.68	1.76E-06	3.17E-08	-1.73E-06	7.41E-08	1.33E-09	-7.27E-08	1.11E-07	2.00E-09	-1.09E-07
5544	483730.2, 3857530.13	1.29E-06	2.32E-08	-1.27E-06	5.43E-08	9.78E-10	-5.33E-08	8.13E-08	1.46E-09	-7.99E-08
5545	483727.27, 3857130.01	1.52E-06	2.73E-08	-1.49E-06	6.39E-08	1.15E-09	-6.27E-08	9.57E-08	1.72E-09	-9.40E-08
5546	483124.42, 3857123.45	1.33E-06	2.39E-08	-1.31E-06	5.59E-08	1.01E-09	-5.49E-08	8.38E-08	1.51E-09	-8.23E-08
5547	483111.13, 3855921.03	9.76E-07	1.76E-08	-9.58E-07	4.10E-08	7.39E-10	-4.03E-08	6.15E-08	1.11E-09	-6.04E-08
5548	482701.73, 3855918.24	9.27E-07	1.67E-08	-9.10E-07	3.90E-08	7.02E-10	-3.83E-08	5.84E-08	1.05E-09	-5.73E-08
5549	482668.02, 3853521.78	7.31E-07	1.32E-08	-7.18E-07	3.07E-08	5.53E-10	-3.02E-08	4.60E-08	8.29E-10	-4.52E-08
5550	482579.91, 3853219.19	7.61E-07	1.37E-08	-7.47E-07	3.20E-08	5.76E-10	-3.14E-08	4.79E-08	8.63E-10	-4.71E-08
5551	482434.06, 3852961.94	7.54E-07	1.36E-08	-7.40E-07	3.17E-08	5.71E-10	-3.11E-08	4.75E-08	8.55E-10	-4.66E-08
5552	482332.11, 3852832.85	7.54E-07	1.36E-08	-7.40E-07	3.17E-08	5.71E-10	-3.11E-08	4.75E-08	8.55E-10	-4.66E-08
5553	481334.99, 3851818.96	6.28E-07	1.13E-08	-6.16E-07	2.64E-08	4.75E-10	-2.59E-08	3.95E-08	7.12E-10	-3.88E-08
5554	481127.62, 3851646.36	6.07E-07	1.09E-08	-5.97E-07	2.56E-08	4.60E-10	-2.51E-08	3.83E-08	6.89E-10	-3.76E-08
5555	481025.04, 3851591.73	6.00E-07	1.08E-08	-5.90E-07	2.53E-08	4.55E-10	-2.48E-08	3.78E-08	6.81E-10	-3.71E-08
5556	480513.6, 3851335.76	5.62E-07	1.01E-08	-5.52E-07	2.36E-08	4.25E-10	-2.32E-08	3.54E-08	6.37E-10	-3.47E-08
5557	480523.56, 3851317.66	5.59E-07	1.01E-08	-5.49E-07	2.35E-08	4.23E-10	-2.31E-08	3.52E-08	6.34E-10	-3.46E-08
5558	476921.56, 3849569.11	3.24E-07	5.83E-09	-3.18E-07	1.36E-08	2.45E-10	-1.34E-08	2.04E-08	3.67E-10	-2.00E-08
5559	476521.19, 3849373.96	2.89E-07	5.21E-09	-2.84E-07	1.22E-08	2.19E-10	-1.20E-08	1.82E-08	3.28E-10	-1.79E-08
5560	476391.45, 3849333.38	2.84E-07	5.11E-09	-2.79E-07	1.19E-08	2.15E-10	-1.17E-08	1.79E-08	3.22E-10	-1.75E-08

5561	476219.41, 3849304.29	2.74E-07	4.93E-09	-2.69E-07	1.15E-08	2.07E-10	-1.13E-08	1.72E-08	3.10E-10	-1.69E-08
5562	475679.11, 3849218.47	2.31E-07	4.15E-09	-2.27E-07	9.70E-09	1.75E-10	-9.53E-09	1.45E-08	2.62E-10	-1.43E-08
5563	475677.71, 3849233.88	2.34E-07	4.20E-09	-2.29E-07	9.83E-09	1.77E-10	-9.65E-09	1.47E-08	2.65E-10	-1.44E-08
5564	475492.74, 3849204.66	1.81E-07	3.25E-09	-1.77E-07	7.59E-09	1.37E-10	-7.46E-09	1.14E-08	2.05E-10	-1.12E-08
5565	475497.64, 3849158.75	1.95E-07	3.51E-09	-1.91E-07	8.20E-09	1.48E-10	-8.05E-09	1.23E-08	2.21E-10	-1.21E-08
5566	475391.35, 3849141.94	2.08E-07	3.74E-09	-2.04E-07	8.74E-09	1.57E-10	-8.58E-09	1.31E-08	2.36E-10	-1.29E-08
5567	475277, 3849095.47	2.12E-07	3.82E-09	-2.08E-07	8.92E-09	1.61E-10	-8.76E-09	1.34E-08	2.40E-10	-1.31E-08
5568	475183.93, 3849025.66	2.12E-07	3.82E-09	-2.08E-07	8.92E-09	1.61E-10	-8.76E-09	1.34E-08	2.40E-10	-1.31E-08
5569	474453.23, 3848378.77	2.01E-07	3.61E-09	-1.97E-07	8.44E-09	1.52E-10	-8.29E-09	1.26E-08	2.27E-10	-1.24E-08
5570	474569.63, 3848399.34	1.99E-07	3.59E-09	-1.96E-07	8.38E-09	1.51E-10	-8.23E-09	1.25E-08	2.26E-10	-1.23E-08
5571	474644.33, 3848464.52	2.02E-07	3.64E-09	-1.98E-07	8.50E-09	1.53E-10	-8.35E-09	1.27E-08	2.29E-10	-1.25E-08
5572	474719.04, 3848529.7	2.03E-07	3.66E-09	-2.00E-07	8.56E-09	1.54E-10	-8.41E-09	1.28E-08	2.31E-10	-1.26E-08
5573	474793.74, 3848594.88	2.01E-07	3.61E-09	-1.97E-07	8.44E-09	1.52E-10	-8.29E-09	1.26E-08	2.27E-10	-1.24E-08
5574	474868.45, 3848660.07	1.96E-07	3.53E-09	-1.93E-07	8.26E-09	1.49E-10	-8.11E-09	1.24E-08	2.23E-10	-1.21E-08
5575	474943.15, 3848725.25	1.95E-07	3.51E-09	-1.91E-07	8.20E-09	1.48E-10	-8.05E-09	1.23E-08	2.21E-10	-1.21E-08
5576	475017.86, 3848790.43	1.98E-07	3.56E-09	-1.94E-07	8.32E-09	1.50E-10	-8.17E-09	1.25E-08	2.24E-10	-1.22E-08
5577	475092.56, 3848855.61	2.02E-07	3.64E-09	-1.98E-07	8.50E-09	1.53E-10	-8.35E-09	1.27E-08	2.29E-10	-1.25E-08
5578	475232.58, 3848959.38	2.08E-07	3.74E-09	-2.04E-07	8.74E-09	1.57E-10	-8.58E-09	1.31E-08	2.36E-10	-1.29E-08
5579	475368.47, 3849029.98	2.08E-07	3.74E-09	-2.04E-07	8.74E-09	1.57E-10	-8.58E-09	1.31E-08	2.36E-10	-1.29E-08
5580	475609.57, 3849096.09	2.09E-07	3.77E-09	-2.05E-07	8.80E-09	1.58E-10	-8.64E-09	1.32E-08	2.37E-10	-1.29E-08
5581	475680.68, 3849116.62	2.19E-07	3.95E-09	-2.15E-07	9.22E-09	1.66E-10	-9.06E-09	1.38E-08	2.49E-10	-1.36E-08
5582	475843.76, 3849151.52	2.34E-07	4.20E-09	-2.29E-07	9.83E-09	1.77E-10	-9.65E-09	1.47E-08	2.65E-10	-1.44E-08
5583	475935.73, 3849165.89	2.48E-07	4.46E-09	-2.43E-07	1.04E-08	1.88E-10	-1.02E-08	1.56E-08	2.81E-10	-1.53E-08
5584	476027.71, 3849180.26	2.59E-07	4.67E-09	-2.55E-07	1.09E-08	1.96E-10	-1.07E-08	1.63E-08	2.94E-10	-1.60E-08
5585	476119.68, 3849194.64	2.56E-07	4.62E-09	-2.52E-07	1.08E-08	1.94E-10	-1.06E-08	1.62E-08	2.91E-10	-1.59E-08
5586	476211.65, 3849209.01	2.59E-07	4.67E-09	-2.55E-07	1.09E-08	1.96E-10	-1.07E-08	1.63E-08	2.94E-10	-1.60E-08
5587	476497.8, 3849283.9	2.78E-07	5.00E-09	-2.73E-07	1.17E-08	2.11E-10	-1.15E-08	1.75E-08	3.15E-10	-1.72E-08
5588	476603.73, 3849323.77	2.88E-07	5.18E-09	-2.83E-07	1.21E-08	2.18E-10	-1.19E-08	1.81E-08	3.27E-10	-1.78E-08
5589	476728.99, 3849382.76	2.98E-07	5.37E-09	-2.93E-07	1.25E-08	2.26E-10	-1.23E-08	1.88E-08	3.38E-10	-1.84E-08
5590	476801.27, 3849418.65	3.04E-07	5.47E-09	-2.98E-07	1.28E-08	2.30E-10	-1.25E-08	1.91E-08	3.44E-10	-1.88E-08
5591	476956.2, 3849495.05	3.17E-07	5.70E-09	-3.11E-07	1.33E-08	2.40E-10	-1.31E-08	1.99E-08	3.59E-10	-1.96E-08
5592	477038.84, 3849535.56	3.18E-07	5.73E-09	-3.12E-07	1.34E-08	2.41E-10	-1.31E-08	2.00E-08	3.61E-10	-1.97E-08
5593	477121.48, 3849576.08	3.25E-07	5.86E-09	-3.19E-07	1.37E-08	2.46E-10	-1.34E-08	2.05E-08	3.69E-10	-2.01E-08
5594	477204.13, 3849616.6	3.18E-07	5.73E-09	-3.12E-07	1.34E-08	2.41E-10	-1.31E-08	2.00E-08	3.61E-10	-1.97E-08
5595	477286.78, 3849657.12	3.07E-07	5.52E-09	-3.01E-07	1.29E-08	2.32E-10	-1.27E-08	1.93E-08	3.48E-10	-1.90E-08
5596	477369.42, 3849697.63	3.28E-07	5.91E-09	-3.22E-07	1.38E-08	2.49E-10	-1.36E-08	2.07E-08	3.72E-10	-2.03E-08
5597	477452.07, 3849738.15	3.38E-07	6.09E-09	-3.32E-07	1.42E-08	2.56E-10	-1.40E-08	2.13E-08	3.83E-10	-2.09E-08
5598	477534.71, 3849778.67	3.54E-07	6.37E-09	-3.48E-07	1.49E-08	2.68E-10	-1.46E-08	2.23E-08	4.01E-10	-2.19E-08
5599	477617.35, 3849819.18	3.57E-07	6.42E-09	-3.50E-07	1.50E-08	2.70E-10	-1.47E-08	2.25E-08	4.05E-10	-2.21E-08
5600	477824.74, 3849896.37	3.65E-07	6.58E-09	-3.59E-07	1.54E-08	2.77E-10	-1.51E-08	2.30E-08	4.14E-10	-2.26E-08
5601	477906.31, 3849936.37	3.57E-07	6.42E-09	-3.50E-07	1.50E-08	2.70E-10	-1.47E-08	2.25E-08	4.05E-10	-2.21E-08
5602	477987.89, 3849976.36	3.68E-07	6.63E-09	-3.62E-07	1.55E-08	2.79E-10	-1.52E-08	2.32E-08	4.18E-10	-2.28E-08
5603	478069.47, 3850016.36	3.58E-07	6.45E-09	-3.52E-07	1.51E-08	2.71E-10	-1.48E-08	2.26E-08	4.06E-10	-2.22E-08
5604	478151.04, 3850056.35	3.50E-07	6.29E-09	-3.43E-07	1.47E-08	2.65E-10	-1.44E-08	2.20E-08	3.96E-10	-2.16E-08
5605	478232.62, 3850096.35	3.54E-07	6.37E-09	-3.48E-07	1.49E-08	2.68E-10	-1.46E-08	2.23E-08	4.01E-10	-2.19E-08
5606	478314.2, 3850136.34	3.61E-07	6.50E-09	-3.55E-07	1.52E-08	2.73E-10	-1.49E-08	2.27E-08	4.09E-10	-2.23E-08
5607	478395.77, 3850176.34	3.67E-07	6.60E-09	-3.60E-07	1.54E-08	2.78E-10	-1.52E-08	2.31E-08	4.16E-10	-2.27E-08
5608	478575.43, 3850244.45	3.83E-07	6.89E-09	-3.76E-07	1.61E-08	2.90E-10	-1.58E-08	2.41E-08	4.34E-10	-2.37E-08
5609	478665.06, 3850287.29	3.91E-07	7.04E-09	-3.84E-07	1.65E-08	2.96E-10	-1.62E-08	2.46E-08	4.44E-10	-2.42E-08
5610	478754.69, 3850330.14	4.01E-07	7.22E-09	-3.94E-07	1.69E-08	3.04E-10	-1.66E-08	2.53E-08	4.55E-10	-2.48E-08
5611	478844.32, 3850372.99	4.14E-07	7.45E-09	-4.07E-07	1.74E-08	3.14E-10	-1.71E-08	2.61E-08	4.70E-10	-2.56E-08
5612	478933.95, 3850415.84	4.30E-07	7.74E-09	-4.22E-07	1.81E-08	3.26E-10	-1.78E-08	2.71E-08	4.87E-10	-2.66E-08
5613	479023.58, 3850458.68	4.30E-07	7.74E-09	-4.22E-07	1.81E-08	3.26E-10	-1.78E-08	2.71E-08	4.87E-10	-2.66E-08
5614	479110.66, 3850441.9	4.41E-07	7.94E-09	-4.33E-07	1.86E-08	3.34E-10	-1.82E-08	2.78E-08	5.00E-10	-2.73E-08
5615	479191.22, 3850423.99	4.41E-07	7.94E-09	-4.33E-07	1.86E-08	3.34E-10	-1.82E-08	2.78E-08	5.00E-10	-2.73E-08
5616	479274.32, 3850465.71	4.43E-07	7.97E-09	-4.35E-07	1.86E-08	3.35E-10	-1.83E-08	2.79E-08	5.02E-10	-2.74E-08
5617	479357.43, 3850507.42	4.34E-07	7.82E-09	-4.26E-07	1.83E-08	3.29E-10	-1.79E-08	2.73E-08	4.92E-10	-2.69E-08
5618	479440.53, 3850549.14	4.24E-07	7.64E-09	-4.16E-07	1.78E-08	3.21E-10	-1.75E-08	2.67E-08	4.81E-10	-2.62E-08
5619	479523.64, 3850590.85	4.18E-07	7.53E-09	-4.11E-07	1.76E-08	3.17E-10	-1.73E-08	2.64E-08	4.74E-10	-2.59E-08
5620	479606.74, 3850632.57	4.18E-07	7.53E-09	-4.11E-07	1.76E-08	3.17E-10	-1.73E-08	2.64E-08	4.74E-10	-2.59E-08
5621	479777.37, 3850707.61	4.16E-07	7.48E-09	-4.08E-07	1.75E-08	3.15E-10	-1.72E-08	2.62E-08	4.71E-10	-2.57E-08
5622	479864.9, 3850740.95	4.20E-07	7.56E-09	-4.12E-07	1.77E-08	3.18E-10	-1.73E-08	2.64E-08	4.76E-10	-2.60E-08
5623	479931.87, 3850829.56	4.36E-07	7.84E-09	-4.28E-07	1.83E-08	3.30E-10	-1.80E-08	2.74E-08	4.94E-10	-2.69E-08
5624	479995.55, 3850926.75	4.67E-07	8.41E-09	-4.59E-07	1.97E-08	3.54E-10	-1.93E-08	2.94E-08	5.30E-10	-2.89E-08
5625	480079.78, 3850968.64	4.81E-07	8.67E-09	-4.73E-07	2.03E-08	3.65E-10	-1.99E-08	3.03E-08	5.46E-10	-2.98E-08
5626	480164.01, 3851010.54	4.96E-07	8.92E-09	-4.87E-07	2.09E-08	3.75E-10	-2.05E-08	3.12E-08	5.62E-10	-3.07E-08
5627	480248.23, 3851052.43	5.10E-07	9.18E-09	-5.01E-07	2.15E-08	3.86E-10	-2.11E-08	3.21E-08	5.78E-10	-3.16E-08
5628	480332.46, 3851094.33	5.17E-07	9.31E-09	-5.08E-07	2.18E-08	3.92E-10	-2.14E-08	3.26E-08	5.87E-10	-3.20E-08
5629	480416.69, 3851136.22	5.14E-07	9.26E-09	-5.05E-07	2.16E-08	3.90E-10	-2.12E-08	3.24E-08	5.83E-10	-3.18E-08
5630	480579.95, 3851215.17	5.19E-07	9.34E-09	-5.09E-07	2.18E-08	3.93E-10	-2.14E-08	3.27E-08	5.88E-10	-3.21E-08
5631	480658.98, 3851252.22	5.23E-07	9.42E-09	-5.14E-07	2.20E-08	3.96E-10	-2.16E-08	3.29E-08	5.93E-10	-3.24E-08
5632	480817.36, 3851327.85	5.33E-07	9.60E-09	-5.23E-07	2.24E-08	4.04E-10	-2.20E-08	3.36E-08	6.04E-10	-3.30E-08
5633	480896.71, 3851366.42	5.34E-07	9.62E-09	-5.25E-07	2.25E-08	4.05E-10	-2.21E-08	3.37E-08	6.06E-10	-3.31E-08
5634	480976.07, 3851405	5.39E-07	9.70E-09	-5.29E-07	2.27E-08	4.08E-10	-2.23E-08	3.39E-08	6.11E-10	-3.33E-08
5635	481178, 3851487.31	5.43E-07	9.78E-09	-5.33E-07	2.28E-08	4.11E-10	-2.24E-08	3.42E-08	6.16E-10	-3.36E-08
5636	481244.9, 3851557.17	5.57E-07	1.00E-08	-5.47E-07	2.34E-08	4.22E-10	-2.30E-08	3.51E-08	6.32E-10	-3.45E-08
5637	481311.81, 3851627.03	5.67E-07	1.02E-08	-5.57E-07	2.39E-08	4.30E-10	-2.34E-08	3.57E-08	6.43E-10	-3.51E-08
5638	481378.71, 3851696.89	5.76E-07	1.04E-08	-5.66E-07	2.42E-08	4.36E-10	-2.38E-08	3.63E-08	6.53E-10	-3.56E-08
5639	481445.61, 3851766.76	5.85E-07	1.05E-08	-5.74E-07	2.46E-08	4.43E-10	-2.41E-08	3.68E-08	6.63E-10	-3.62E-08
5640	481512.51, 3851836.62	5.90E-07	1.06E-08	-5.80E-07	2.48E-08	4.47E-10	-2.44E-08	3.72E-08	6.69E-10	-3.65E-08
5641	481579.42, 3851906.48	5.95E-07	1.07E-08	-5.84E-07	2.50E-08	4.50E-10	-2.46E-08	3.75E-08	6.74E-10	-3.68E-08
5642	481646.32, 3851976.34	6.02E-07	1.08E-08	-5.91E-07	2.53E-08	4.56E-10	-2.49E-08	3.79E-08	6.82E-10	-3.72E-08
5643	481713.22, 3852046.2	5.95E-07	1.07E-08	-5.84E-07	2.50E-08	4.50E-10	-2.46E-08	3.75E-08	6.74E-10	-3.68E-08
5644	481780.12, 3852116.06	6.07E-07	1.09E-08	-5.97E-07	2.56E-08	4.60E-10	-2.51E-08	3.83E-08	6.89E-10	-3.76E-08
5645	481847.03, 3852185.92	6.28E-07	1.13E-08	-6.16E-07	2.64E-08	4.75E-10	-2.59E-08	3.95E-08	7.12E-10	-3.88E-08
5646	481913.93, 3852255.78	6.52E-07	1.17E-08	-6.40E-07	2.74E-08	4.94E-10	-2.69E-08	4.11E-08	7.39E-10	-4.03E-08
5647	481980.83, 3852325.65	6.82E-07	1.23E-08	-6.70E-07	2.87E-08	5.17E-10	-2.82E-08	4.30E-08	7.73E-10	-4.22E-08
5648	482047.73, 3852395.51	6.98E-07	1.26E-08	-6.85E-07	2.94E-08	5.28E-10	-2.88E-08	4.40E-08	7.91E-10	-4.32E-08
5649	482114.64, 3852465.37	7.24E-07	1.30E-08	-7.11E-07	3.04E-08	5.48E-10	-2.99E-08	4.56E-08	8.21E-10	-4.48E-08
5650	482181.54, 3852535.23	7.26E-07	1.31E-08	-7.13E-07	3.06E-08	5.50E-10	-3.00E-08	4.58E-08	8.24E-10	-4.49E-08
5651	482338.69, 3852700.04	7.51E-07	1.35E-08	-7.37E-07	3.16E-08	5.69E-10	-3.10E-08	4.73E-08	8.51E-10	-4.64E-08
5652	482404.05, 3852767.78	7.58E-07	1.36E-08	-7.44E-07	3.19E-08	5.74E-10	-3.13E-08	4.77E-08	8.60E-10	-4.69E-08
5653	482469.4, 3852835.52	7.65E-07	1.38E-08	-7.51E-07	3.22E-08	5.79E-10	-3.16E-08	4.82E-08	8.68E-10	-4.73E-08
5654	482534.75, 3852903.25	7.62E-07	1.37E-08	-7.49E-07	3.21E-08	5.77E-10	-3.15E-08	4.80E-08	8.64E-10	-4.72E-08
5655	482600.11, 3852970.99	7.68E-07	1.38E-08	-7.54E-07	3.23E-08	5.82E-10	-3.17E-08	4.84E-08	8.71E-10	-4.75E-08
5656	482706.71, 3853119.28	7.58E-07	1.36E-08	-7.44E-07	3.19E-08	5.74E-10	-3.13E-08	4.77E-08	8.60E-10	-4.69E-08
5657	482747.96, 3853199.84	7.62E-07	1.37E-08	-7.49E-07	3.21E-08	5.77E-10	-3.15E-08	4.80E-08	8.64E-10	-4.72E-08
5658	482789.21, 3853280.4	7.68E-07	1.38E-08	-7.54E-07	3.23E-08	5.82E-10	-3.17E-08	4.84E-08	8.71E-10	-4.75E-08
5659	482830.46, 3853360.96	7.65E-07	1.38E-08	-7.51E-07	3.22E-08	5.79E-10	-3.16E-08	4.82E-08	8.68E-10	-4.73E-08
5660	482871.71, 3853441.52	7.59E-07	1.37E-08	-7.46E-07	3.19E-08	5.75E-10	-3.14E-08	4.78E-08	8.61E-10	-4.70E-08
5661	482912.95, 3853522.07	7.36E-07	1.33E-08	-7.23E-07	3.10E-08	5.58E-10	-3.04E-08	4.64E-08	8.35E-10	-4.56E-08
5662	482954.2, 3853602.63	7.16E-07	1.29E-08	-7.03E-07	3.01E-08	5.43E-10	-2.96E-08	4.51E-08	8.12E-10	-4.43E-08
5663	482995.45, 3853683.19	6.93E-07	1.25E-08	-6.81E-07	2.92E-08	5.25E-10	-2.86E-08	4.37E-08	7.86E-10	-4.29E-08
5664	483036.7, 3853763.75	6.71E-07	1.21E-08	-6.58E-07	2.82E-08	5.08E-10	-2.77E-08	4.22E-08	7.60E-10	-4.15E-08
5665	483214.2, 3853909.91	5.85E-07	1.05E-08	-5.74E-07	2.46E-08	4.43E-10	-2.41E-08	3.68E-08	6.63E-10	-3.62E-08
5666	483307.01, 3853910.44	5.97E-07	1.08E-08	-5.87E-07	2.51E-08	4.53E-10	-2.47E-08	3.76E-08	6.78E-10	-3.70E-08
5667	483399.83, 3853910.96	6.00E-07	1.08E-08	-5.90E-07	2.53E-08	4.55E-10	-2.48E-08	3.78E-08	6.81E-10	-3.71E-08

5668	483494.52, 3854009.24	6.00E-07	1.08E-08	-5.90E-07	2.53E-08	4.55E-10	-2.48E-08	3.78E-08	6.81E-10	-3.71E-08
5669	483496.41, 3854106.98	5.95E-07	1.07E-08	-5.84E-07	2.50E-08	4.50E-10	-2.46E-08	3.75E-08	6.74E-10	-3.68E-08
5670	483577.56, 3854261.96	5.40E-07	9.72E-09	-5.30E-07	2.27E-08	4.09E-10	-2.23E-08	3.40E-08	6.13E-10	-3.34E-08
5671	483656.83, 3854319.19	5.13E-07	9.23E-09	-5.04E-07	2.16E-08	3.88E-10	-2.12E-08	3.23E-08	5.82E-10	-3.17E-08
5672	483736.1, 3854376.41	4.87E-07	8.77E-09	-4.78E-07	2.05E-08	3.69E-10	-2.01E-08	3.07E-08	5.52E-10	-3.01E-08
5673	483815.36, 3854433.64	4.66E-07	8.38E-09	-4.57E-07	1.96E-08	3.53E-10	-1.92E-08	2.93E-08	5.28E-10	-2.88E-08
5674	483894.63, 3854490.87	4.44E-07	8.00E-09	-4.36E-07	1.87E-08	3.36E-10	-1.83E-08	2.80E-08	5.04E-10	-2.75E-08
5675	483973.9, 3854548.09	4.26E-07	7.66E-09	-4.18E-07	1.79E-08	3.22E-10	-1.76E-08	2.68E-08	4.83E-10	-2.63E-08
5676	484053.17, 3854605.32	4.17E-07	7.51E-09	-4.09E-07	1.75E-08	3.16E-10	-1.72E-08	2.63E-08	4.73E-10	-2.58E-08
5677	484214.97, 3854698.15	3.95E-07	7.12E-09	-3.88E-07	1.66E-08	3.00E-10	-1.63E-08	2.49E-08	4.48E-10	-2.45E-08
5678	484297.5, 3854733.74	4.05E-07	7.30E-09	-3.98E-07	1.71E-08	3.07E-10	-1.68E-08	2.55E-08	4.60E-10	-2.51E-08
5679	484380.03, 3854769.34	4.07E-07	7.33E-09	-4.00E-07	1.71E-08	3.08E-10	-1.68E-08	2.56E-08	4.61E-10	-2.52E-08
5680	484462.56, 3854804.94	4.33E-07	7.79E-09	-4.25E-07	1.82E-08	3.28E-10	-1.79E-08	2.73E-08	4.91E-10	-2.68E-08
5681	484545.09, 3854840.53	4.33E-07	7.79E-09	-4.25E-07	1.82E-08	3.28E-10	-1.79E-08	2.73E-08	4.91E-10	-2.68E-08
5682	484691.88, 3854912.58	4.58E-07	8.25E-09	-4.50E-07	1.93E-08	3.47E-10	-1.89E-08	2.89E-08	5.20E-10	-2.84E-08
5683	484830.81, 3855012.51	4.66E-07	8.38E-09	-4.57E-07	1.96E-08	3.53E-10	-1.92E-08	2.93E-08	5.28E-10	-2.88E-08
5684	484905.48, 3855075.97	5.09E-07	9.16E-09	-4.99E-07	2.14E-08	3.85E-10	-2.10E-08	3.20E-08	5.77E-10	-3.15E-08
5685	484980.14, 3855139.44	5.27E-07	9.49E-09	-5.18E-07	2.22E-08	3.99E-10	-2.18E-08	3.32E-08	5.98E-10	-3.26E-08
5686	485054.81, 3855202.91	5.36E-07	9.65E-09	-5.26E-07	2.25E-08	4.06E-10	-2.21E-08	3.38E-08	6.08E-10	-3.31E-08
5687	485129.48, 3855266.37	5.29E-07	9.52E-09	-5.19E-07	2.22E-08	4.00E-10	-2.18E-08	3.33E-08	6.00E-10	-3.27E-08
5688	485204.15, 3855329.84	5.50E-07	9.91E-09	-5.40E-07	2.31E-08	4.17E-10	-2.27E-08	3.47E-08	6.24E-10	-3.40E-08
5689	485278.82, 3855393.31	5.57E-07	1.00E-08	-5.47E-07	2.34E-08	4.22E-10	-2.30E-08	3.51E-08	6.32E-10	-3.45E-08
5690	485353.48, 3855456.77	5.72E-07	1.03E-08	-5.61E-07	2.41E-08	4.33E-10	-2.36E-08	3.60E-08	6.48E-10	-3.54E-08
5691	485428.15, 3855520.24	5.77E-07	1.04E-08	-5.67E-07	2.43E-08	4.37E-10	-2.39E-08	3.64E-08	6.55E-10	-3.57E-08
5692	485502.82, 3855583.71	5.86E-07	1.06E-08	-5.75E-07	2.47E-08	4.44E-10	-2.42E-08	3.69E-08	6.65E-10	-3.63E-08
5693	485577.49, 3855647.17	6.10E-07	1.10E-08	-5.99E-07	2.57E-08	4.62E-10	-2.52E-08	3.84E-08	6.92E-10	-3.78E-08
5694	485652.16, 3855710.64	6.36E-07	1.15E-08	-6.25E-07	2.68E-08	4.82E-10	-2.63E-08	4.01E-08	7.21E-10	-3.94E-08
5695	485726.83, 3855774.1	6.46E-07	1.16E-08	-6.35E-07	2.72E-08	4.89E-10	-2.67E-08	4.07E-08	7.33E-10	-4.00E-08
5696	485801.49, 3855837.57	6.49E-07	1.17E-08	-6.37E-07	2.73E-08	4.92E-10	-2.68E-08	4.09E-08	7.36E-10	-4.02E-08
5697	485876.16, 3855901.04	6.61E-07	1.19E-08	-6.49E-07	2.78E-08	5.00E-10	-2.73E-08	4.16E-08	7.49E-10	-4.09E-08
5698	485950.83, 3855964.5	6.65E-07	1.20E-08	-6.53E-07	2.80E-08	5.04E-10	-2.75E-08	4.19E-08	7.54E-10	-4.11E-08
5699	486025.5, 3856027.97	6.59E-07	1.19E-08	-6.47E-07	2.77E-08	4.99E-10	-2.72E-08	4.15E-08	7.47E-10	-4.08E-08
5700	486100.17, 3856091.44	6.96E-07	1.25E-08	-6.84E-07	2.93E-08	5.27E-10	-2.88E-08	4.39E-08	7.90E-10	-4.31E-08
5701	486174.83, 3856154.9	6.86E-07	1.24E-08	-6.74E-07	2.89E-08	5.20E-10	-2.84E-08	4.32E-08	7.78E-10	-4.25E-08
5702	486249.5, 3856218.37	6.53E-07	1.18E-08	-6.42E-07	2.75E-08	4.95E-10	-2.70E-08	4.12E-08	7.41E-10	-4.04E-08
5703	486324.17, 3856281.84	6.33E-07	1.14E-08	-6.22E-07	2.66E-08	4.80E-10	-2.62E-08	3.99E-08	7.18E-10	-3.92E-08
5704	486398.84, 3856345.3	6.52E-07	1.17E-08	-6.40E-07	2.74E-08	4.94E-10	-2.69E-08	4.11E-08	7.39E-10	-4.03E-08
5705	486473.51, 3856408.77	6.61E-07	1.19E-08	-6.49E-07	2.78E-08	5.00E-10	-2.73E-08	4.16E-08	7.49E-10	-4.09E-08
5706	486548.17, 3856472.24	6.82E-07	1.23E-08	-6.70E-07	2.87E-08	5.17E-10	-2.82E-08	4.30E-08	7.73E-10	-4.22E-08
5707	486622.84, 3856535.7	7.06E-07	1.27E-08	-6.94E-07	2.97E-08	5.35E-10	-2.92E-08	4.45E-08	8.01E-10	-4.37E-08
5708	486765.48, 3856659.69	7.68E-07	1.38E-08	-7.54E-07	3.23E-08	5.82E-10	-3.17E-08	4.84E-08	8.71E-10	-4.75E-08
5709	486833.44, 3856720.2	7.95E-07	1.43E-08	-7.81E-07	3.35E-08	6.02E-10	-3.29E-08	5.01E-08	9.02E-10	-4.92E-08
5710	486901.41, 3856780.72	8.30E-07	1.49E-08	-8.15E-07	3.49E-08	6.28E-10	-3.43E-08	5.23E-08	9.41E-10	-5.13E-08
5711	486969.38, 3856841.24	8.61E-07	1.55E-08	-8.46E-07	3.62E-08	6.52E-10	-3.56E-08	5.42E-08	9.77E-10	-5.33E-08
5712	487037.34, 3856901.75	8.93E-07	1.61E-08	-8.77E-07	3.76E-08	6.76E-10	-3.69E-08	5.62E-08	1.01E-09	-5.52E-08
5713	487271.23, 3856855.51	8.88E-07	1.60E-08	-8.72E-07	3.74E-08	6.73E-10	-3.67E-08	5.60E-08	1.01E-09	-5.50E-08
5714	487368.95, 3856857.29	8.97E-07	1.61E-08	-8.81E-07	3.77E-08	6.79E-10	-3.71E-08	5.65E-08	1.02E-09	-5.55E-08
5715	487466.68, 3856859.06	9.14E-07	1.65E-08	-8.98E-07	3.85E-08	6.92E-10	-3.78E-08	5.76E-08	1.04E-09	-5.65E-08
5716	487636.44, 3856930	9.67E-07	1.74E-08	-9.50E-07	4.07E-08	7.32E-10	-4.00E-08	6.09E-08	1.10E-09	-5.98E-08
5717	487709.57, 3856928.43	9.86E-07	1.77E-08	-9.68E-07	4.15E-08	7.47E-10	-4.07E-08	6.21E-08	1.12E-09	-6.10E-08
5718	487782.55, 3856841.96	9.79E-07	1.76E-08	-9.61E-07	4.12E-08	7.41E-10	-4.04E-08	6.16E-08	1.11E-09	-6.05E-08
5719	487849.83, 3856754.74	9.87E-07	1.78E-08	-9.69E-07	4.15E-08	7.48E-10	-4.08E-08	6.22E-08	1.12E-09	-6.11E-08
5720	487918.03, 3856819.39	1.03E-06	1.86E-08	-1.01E-06	4.34E-08	7.81E-10	-4.26E-08	6.50E-08	1.17E-09	-6.38E-08
5721	487918.8, 3856886.37	1.05E-06	1.88E-08	-1.03E-06	4.40E-08	7.92E-10	-4.32E-08	6.59E-08	1.19E-09	-6.47E-08
5722	488065.46, 3857127.5	1.13E-06	2.04E-08	-1.11E-06	4.77E-08	8.59E-10	-4.69E-08	7.15E-08	1.29E-09	-7.02E-08
5723	488192.19, 3857385.83	1.33E-06	2.39E-08	-1.30E-06	5.59E-08	1.01E-09	-5.49E-08	8.37E-08	1.51E-09	-8.22E-08
5724	488191.21, 3857473.87	1.40E-06	2.52E-08	-1.37E-06	5.89E-08	1.06E-09	-5.78E-08	8.82E-08	1.59E-09	-8.66E-08
5725	488190.24, 3857561.9	1.47E-06	2.65E-08	-1.44E-06	6.18E-08	1.11E-09	-6.07E-08	9.26E-08	1.67E-09	-9.09E-08
5726	488158.35, 3857691.13	1.54E-06	2.77E-08	-1.51E-06	6.47E-08	1.16E-09	-6.35E-08	9.68E-08	1.74E-09	-9.51E-08
5727	488208.37, 3857816.66	1.62E-06	2.92E-08	-1.59E-06	6.82E-08	1.23E-09	-6.69E-08	1.02E-07	1.84E-09	-1.00E-07
5728	488271.97, 3857874.6	1.68E-06	3.02E-08	-1.65E-06	7.06E-08	1.27E-09	-6.94E-08	1.06E-07	1.90E-09	-1.04E-07
5729	488463.56, 3857942.31	1.83E-06	3.29E-08	-1.80E-06	7.70E-08	1.39E-09	-7.56E-08	1.15E-07	2.08E-09	-1.13E-07
5730	488554.83, 3857940.83	1.87E-06	3.36E-08	-1.83E-06	7.86E-08	1.42E-09	-7.72E-08	1.18E-07	2.12E-09	-1.16E-07
5731	488646.1, 3857939.36	1.90E-06	3.42E-08	-1.87E-06	7.99E-08	1.44E-09	-7.85E-08	1.20E-07	2.15E-09	-1.18E-07
5732	488737.37, 3857937.88	1.92E-06	3.46E-08	-1.89E-06	8.08E-08	1.46E-09	-7.94E-08	1.21E-07	2.18E-09	-1.19E-07
5733	488733.59, 3857960.57	1.92E-06	3.46E-08	-1.89E-06	8.10E-08	1.46E-09	-7.95E-08	1.21E-07	2.18E-09	-1.19E-07
5734	488638.09, 3857961.57	1.90E-06	3.43E-08	-1.87E-06	8.01E-08	1.44E-09	-7.87E-08	1.20E-07	2.16E-09	-1.18E-07
5735	488542.6, 3857962.56	1.88E-06	3.38E-08	-1.84E-06	7.90E-08	1.42E-09	-7.75E-08	1.18E-07	2.13E-09	-1.16E-07
5736	488447.1, 3857963.56	1.83E-06	3.30E-08	-1.80E-06	7.72E-08	1.39E-09	-7.58E-08	1.16E-07	2.08E-09	-1.13E-07
5737	488254.28, 3857890.36	1.68E-06	3.03E-08	-1.65E-06	7.07E-08	1.27E-09	-6.94E-08	1.06E-07	1.91E-09	-1.04E-07
5738	488191.69, 3857833.06	1.61E-06	2.91E-08	-1.59E-06	6.79E-08	1.22E-09	-6.67E-08	1.02E-07	1.83E-09	-9.99E-08
5739	488129.5, 3857907.43	1.63E-06	2.93E-08	-1.60E-06	6.85E-08	1.23E-09	-6.73E-08	1.03E-07	1.85E-09	-1.01E-07
5740	488196.47, 3857968.73	1.69E-06	3.04E-08	-1.66E-06	7.10E-08	1.28E-09	-6.97E-08	1.06E-07	1.91E-09	-1.04E-07
5741	488263.44, 3858030.04	1.74E-06	3.12E-08	-1.70E-06	7.30E-08	1.31E-09	-7.17E-08	1.09E-07	1.97E-09	-1.07E-07
5742	488400.64, 3858132.9	1.84E-06	3.31E-08	-1.80E-06	7.73E-08	1.39E-09	-7.59E-08	1.16E-07	2.08E-09	-1.14E-07
5743	488519.89, 3858218.38	2.05E-06	3.70E-08	-2.02E-06	8.64E-08	1.56E-09	-8.49E-08	1.29E-07	2.33E-09	-1.27E-07
5744	488647.97, 3858214.99	2.11E-06	3.80E-08	-2.07E-06	8.88E-08	1.60E-09	-8.72E-08	1.33E-07	2.40E-09	-1.31E-07
5745	488727.05, 3858167.67	2.10E-06	3.78E-08	-2.06E-06	8.83E-08	1.59E-09	-8.67E-08	1.32E-07	2.38E-09	-1.30E-07
5746	488806.12, 3858120.35	2.06E-06	3.72E-08	-2.03E-06	8.69E-08	1.56E-09	-8.53E-08	1.30E-07	2.34E-09	-1.28E-07
5747	488885.2, 3858073.03	2.03E-06	3.65E-08	-1.99E-06	8.54E-08	1.54E-09	-8.38E-08	1.28E-07	2.30E-09	-1.26E-07
5748	489055.76, 3857991.17	1.96E-06	3.52E-08	-1.92E-06	8.23E-08	1.48E-09	-8.09E-08	1.23E-07	2.22E-09	-1.21E-07
5749	489245.39, 3857944.54	1.86E-06	3.34E-08	-1.82E-06	7.81E-08	1.41E-09	-7.67E-08	1.17E-07	2.11E-09	-1.15E-07
5750	489430.63, 3857930.91	1.82E-06	3.28E-08	-1.79E-06	7.67E-08	1.38E-09	-7.54E-08	1.15E-07	2.07E-09	-1.13E-07
5751	489517.74, 3857929.36	1.81E-06	3.26E-08	-1.78E-06	7.62E-08	1.37E-09	-7.48E-08	1.14E-07	2.05E-09	-1.12E-07
5752	489604.85, 3857927.82	1.79E-06	3.22E-08	-1.76E-06	7.53E-08	1.36E-09	-7.40E-08	1.13E-07	2.03E-09	-1.11E-07
5753	489691.97, 3857926.28	1.80E-06	3.23E-08	-1.76E-06	7.56E-08	1.36E-09	-7.42E-08	1.13E-07	2.04E-09	-1.11E-07
5754	489779.08, 3857924.73	1.80E-06	3.24E-08	-1.77E-06	7.58E-08	1.36E-09	-7.44E-08	1.13E-07	2.04E-09	-1.11E-07
5755	490017.55, 3857875.08	1.77E-06	3.19E-08	-1.74E-06	7.44E-08	1.34E-09	-7.31E-08	1.11E-07	2.01E-09	-1.09E-07
5756	490033.82, 3857960.81	1.84E-06	3.31E-08	-1.81E-06	7.73E-08	1.39E-09	-7.59E-08	1.16E-07	2.08E-09	-1.14E-07
5757	489959.15, 3857987.49	1.82E-06	3.28E-08	-1.79E-06	7.67E-08	1.38E-09	-7.53E-08	1.15E-07	2.07E-09	-1.13E-07
5758	489791.49, 3858016.12	1.82E-06	3.27E-08	-1.78E-06	7.64E-08	1.37E-09	-7.50E-08	1.14E-07	2.06E-09	-1.12E-07
5759	489698.51, 3858018.07	1.82E-06	3.28E-08	-1.79E-06	7.67E-08	1.38E-09	-7.54E-08	1.15E-07	2.07E-09	-1.13E-07
5760	489605.52, 3858020.01	1.84E-06	3.31E-08	-1.81E-06	7.75E-08	1.39E-09	-7.61E-08	1.16E-07	2.09E-09	-1.14E-07
5761	489512.53, 3858021.96	1.87E-06	3.36E-08	-1.83E-06	7.85E-08	1.41E-09	-7.71E-08	1.18E-07	2.12E-09	-1.15E-07
5762	489419.55, 3858023.91	1.91E-06	3.43E-08	-1.87E-06	8.02E-08	1.44E-09	-7.88E-08	1.20E-07	2.16E-09	-1.18E-07
5763	489228.47, 3858041.29	1.89E-06	3.40E-08	-1.85E-06	7.94E-08	1.43E-09	-7.80E-08	1.19E-07	2.14E-09	-1.17E-07
5764	489065.75, 3858085.78	1.98E-06	3.57E-08	-1.95E-06	8.34E-08	1.50E-09	-8.19E-08	1.25E-07	2.25E-09	-1.23E-07
5765	489001.12, 3858114.86	2.01E-06	3.62E-08	-1.97E-06	8.46E-08	1.52E-09	-8.30E-08	1.27E-07	2.28E-09	-1.24E-07
5766	488861.89, 3858189.81	2.05E-06	3.69E-08	-2.01E-06	8.62E-08	1.55E-09	-8.46E-08	1.29E-07	2.32E-09	-1.27E-07
5767	488787.29, 3858235.69	2.12E-06	3.82E-08	-2.08E-06	8.93E-08	1.61E-09	-8.77E-08	1.34E-07	2.41E-09	-1.31E-07
5768	488712.68, 3858281.57	2.10E-06	3.78E-08	-2.06E-06	8.83E-08	1.59E-09	-8.67E-08	1.32E-07	2.38E-09	-1.30E-07
5769	488654.39, 3858436.17	2.19E-06	3.95E-08	-2.16E-06	9.23E-08	1.66E-09	-9.07E-08	1.38E-07	2.49E-09	-1.36E-07
5770	488726.3, 3858505.26	2.24E-06	4.02E-08	-2.19E-06	9.40E-08	1.69E-09	-9.23E-08	1.41E-07	2.53E-09	-1.38E-07
5771	488880.6, 3858599.28	2.27E-06	4.09E-08	-2.23E-06	9.56E-08	1.72E-09	-9.39E-08	1.43E-07	2.58E-09	-1.41E-07
5772	489008.06, 3858714.75	2.33E-06	4.19E-08	-2.29E-06	9.80E-08	1.76E-09	-9.62E-08	1.47E-07	2.64E-09	-1.44E-07
5773	489071.48, 3858772.72	2.35E-06	4.23E-08	-2.31E-06	9.89E-08	1.78E-09	-9.71E-08	1.48E-07	2.67E-09	-1.45E-07
5774	489244.59, 3858920.19	2.46E-06	4.43E-08	-2.42E-06	1.04E-07	1.86E-09	-1.02E-07	1.55E-07	2.79E-09	-1.52E-07

5775	489239.69, 3858952.23	2.51E-06	4.52E-08	-2.47E-06	1.06E-07	1.90E-09	-1.04E-07	1.58E-07	2.85E-09	-1.55E-07
5776	489121.67, 3858854.49	2.43E-06	4.37E-08	-2.38E-06	1.02E-07	1.84E-09	-1.00E-07	1.53E-07	2.75E-09	-1.50E-07
5777	489059.59, 3858797.27	2.39E-06	4.29E-08	-2.34E-06	1.00E-07	1.81E-09	-9.86E-08	1.50E-07	2.71E-09	-1.48E-07
5778	488997.52, 3858740.04	2.33E-06	4.20E-08	-2.29E-06	9.82E-08	1.77E-09	-9.64E-08	1.47E-07	2.65E-09	-1.44E-07
5779	488935.44, 3858682.82	2.31E-06	4.17E-08	-2.27E-06	9.73E-08	1.75E-09	-9.56E-08	1.46E-07	2.62E-09	-1.43E-07
5780	488869.17, 3858848.43	2.54E-06	4.57E-08	-2.49E-06	1.07E-07	1.92E-09	-1.05E-07	1.60E-07	2.88E-09	-1.57E-07
5781	488932.48, 3858892.69	2.59E-06	4.66E-08	-2.54E-06	1.09E-07	1.96E-09	-1.07E-07	1.63E-07	2.94E-09	-1.60E-07
5782	489063.27, 3858977.17	2.63E-06	4.74E-08	-2.58E-06	1.11E-07	1.99E-09	-1.09E-07	1.66E-07	2.99E-09	-1.63E-07
5783	489248.2, 3859117.15	2.77E-06	4.99E-08	-2.72E-06	1.17E-07	2.10E-09	-1.15E-07	1.75E-07	3.15E-09	-1.72E-07
5784	489296.25, 3859049.22	2.66E-06	4.79E-08	-2.61E-06	1.12E-07	2.02E-09	-1.10E-07	1.68E-07	3.02E-09	-1.65E-07
5785	489353.38, 3858993.96	2.54E-06	4.57E-08	-2.49E-06	1.07E-07	1.92E-09	-1.05E-07	1.60E-07	2.88E-09	-1.57E-07
5786	489537.24, 3859120.22	2.66E-06	4.79E-08	-2.61E-06	1.12E-07	2.02E-09	-1.10E-07	1.68E-07	3.02E-09	-1.65E-07
5787	489726.98, 3859246.04	2.88E-06	5.19E-08	-2.83E-06	1.21E-07	2.18E-09	-1.19E-07	1.82E-07	3.27E-09	-1.78E-07
5788	489911.46, 3859366.33	3.02E-06	5.44E-08	-2.97E-06	1.27E-07	2.29E-09	-1.25E-07	1.90E-07	3.43E-09	-1.87E-07
5789	490035.3, 3859430.26	3.33E-06	6.00E-08	-3.27E-06	1.40E-07	2.52E-09	-1.38E-07	2.10E-07	3.78E-09	-2.06E-07
5790	490101.11, 3859458.61	3.40E-06	6.13E-08	-3.34E-06	1.43E-07	2.58E-09	-1.41E-07	2.14E-07	3.86E-09	-2.11E-07
5791	490312.68, 3859560.3	3.69E-06	6.64E-08	-3.62E-06	1.55E-07	2.80E-09	-1.52E-07	2.33E-07	4.19E-09	-2.28E-07
5792	490401.63, 3859603.12	3.77E-06	6.79E-08	-3.70E-06	1.59E-07	2.86E-09	-1.56E-07	2.38E-07	4.28E-09	-2.33E-07
5793	490490.57, 3859645.94	3.83E-06	6.89E-08	-3.76E-06	1.61E-07	2.90E-09	-1.58E-07	2.41E-07	4.34E-09	-2.37E-07
5794	490579.51, 3859688.76	3.83E-06	6.90E-08	-3.76E-06	1.61E-07	2.90E-09	-1.58E-07	2.41E-07	4.35E-09	-2.37E-07
5795	490668.45, 3859731.58	3.72E-06	6.70E-08	-3.65E-06	1.56E-07	2.82E-09	-1.54E-07	2.34E-07	4.22E-09	-2.30E-07
5796	490757.4, 3859774.4	3.91E-06	7.04E-08	-3.84E-06	1.64E-07	2.96E-09	-1.61E-07	2.46E-07	4.43E-09	-2.42E-07
5797	491003.53, 3859861.82	3.95E-06	7.11E-08	-3.88E-06	1.66E-07	2.99E-09	-1.63E-07	2.49E-07	4.48E-09	-2.44E-07
5798	491081.41, 3859879.05	4.10E-06	7.38E-08	-4.03E-06	1.73E-07	3.11E-09	-1.69E-07	2.58E-07	4.65E-09	-2.54E-07
5799	491229.76, 3859917.82	4.51E-06	8.12E-08	-4.43E-06	1.90E-07	3.42E-09	-1.86E-07	2.84E-07	5.12E-09	-2.79E-07
5800	491300.22, 3859939.35	4.84E-06	8.72E-08	-4.76E-06	2.04E-07	3.67E-09	-2.00E-07	3.05E-07	5.49E-09	-3.00E-07
5801	491350.48, 3860012.03	5.92E-06	1.07E-07	-5.82E-06	2.49E-07	4.49E-09	-2.45E-07	3.73E-07	6.72E-09	-3.66E-07
5802	491406.82, 3860092.56	7.01E-06	1.26E-07	-6.88E-06	2.95E-07	5.31E-09	-2.90E-07	4.41E-07	7.95E-09	-4.34E-07
5803	491483.36, 3860121.96	7.10E-06	1.28E-07	-6.97E-06	2.99E-07	5.38E-09	-2.93E-07	4.47E-07	8.05E-09	-4.39E-07
5804	491559.91, 3860151.35	7.44E-06	1.34E-07	-7.31E-06	3.13E-07	5.64E-09	-3.07E-07	4.69E-07	8.44E-09	-4.60E-07
5805	491711.81, 3860237.76	5.82E-06	1.05E-07	-5.72E-06	2.45E-07	4.41E-09	-2.41E-07	3.67E-07	6.61E-09	-3.60E-07
5806	491755.2, 3860319.07	9.93E-06	1.79E-07	-9.75E-06	4.18E-07	7.52E-09	-4.10E-07	6.25E-07	1.13E-08	-6.14E-07
5807	491704.71, 3860366.54	9.89E-06	1.78E-07	-9.72E-06	4.16E-07	7.49E-09	-4.09E-07	6.23E-07	1.12E-08	-6.12E-07
5808	491623.42, 3860462.39	1.01E-05	1.82E-07	-9.93E-06	4.26E-07	7.66E-09	-4.18E-07	6.37E-07	1.15E-08	-6.26E-07
5809	491534.02, 3860439.84	6.30E-06	1.13E-07	-6.19E-06	2.65E-07	4.77E-09	-2.60E-07	3.97E-07	7.15E-09	-3.90E-07
5810	491313.95, 3860268.17	8.68E-06	1.56E-07	-8.52E-06	3.65E-07	6.57E-09	-3.59E-07	5.47E-07	9.84E-09	-5.37E-07
5811	491187.12, 3860143.56	7.16E-06	1.29E-07	-7.03E-06	3.01E-07	5.42E-09	-2.96E-07	4.51E-07	8.12E-09	-4.43E-07
5812	491070.43, 3860075.97	6.21E-06	1.12E-07	-6.10E-06	2.61E-07	4.70E-09	-2.57E-07	3.91E-07	7.04E-09	-3.84E-07
5813	490995.09, 3860039.38	5.86E-06	1.06E-07	-5.76E-06	2.47E-07	4.44E-09	-2.42E-07	3.69E-07	6.65E-09	-3.63E-07
5814	490919.75, 3860002.8	5.67E-06	1.02E-07	-5.57E-06	2.38E-07	4.29E-09	-2.34E-07	3.57E-07	6.43E-09	-3.51E-07
5815	490756.81, 3859894.53	4.68E-06	8.43E-08	-4.60E-06	1.97E-07	3.55E-09	-1.93E-07	2.95E-07	5.31E-09	-2.90E-07
5816	490668.07, 3859860.92	4.72E-06	8.49E-08	-4.63E-06	1.98E-07	3.57E-09	-1.95E-07	2.97E-07	5.35E-09	-2.92E-07
5817	490579.34, 3859827.3	4.57E-06	8.23E-08	-4.49E-06	1.92E-07	3.46E-09	-1.89E-07	2.88E-07	5.19E-09	-2.83E-07
5818	490490.6, 3859793.68	4.60E-06	8.29E-08	-4.52E-06	1.94E-07	3.49E-09	-1.90E-07	2.90E-07	5.22E-09	-2.85E-07
5819	490401.86, 3859760.07	4.59E-06	8.26E-08	-4.50E-06	1.93E-07	3.47E-09	-1.89E-07	2.89E-07	5.20E-09	-2.84E-07
5820	490313.12, 3859726.45	4.46E-06	8.03E-08	-4.38E-06	1.88E-07	3.38E-09	-1.84E-07	2.81E-07	5.06E-09	-2.76E-07
5821	490224.39, 3859692.83	4.30E-06	7.74E-08	-4.22E-06	1.81E-07	3.25E-09	-1.78E-07	2.71E-07	4.87E-09	-2.66E-07
5822	490135.65, 3859659.22	4.08E-06	7.34E-08	-4.00E-06	1.72E-07	3.09E-09	-1.68E-07	2.57E-07	4.62E-09	-2.52E-07
5823	489918.18, 3859559.23	3.63E-06	6.54E-08	-3.57E-06	1.53E-07	2.75E-09	-1.50E-07	2.29E-07	4.12E-09	-2.25E-07
5824	489743.61, 3859486	3.44E-06	6.20E-08	-3.38E-06	1.45E-07	2.61E-09	-1.42E-07	2.17E-07	3.90E-09	-2.13E-07
5825	489660.32, 3859440.27	3.36E-06	6.06E-08	-3.30E-06	1.42E-07	2.55E-09	-1.39E-07	2.12E-07	3.82E-09	-2.08E-07
5826	489577.04, 3859394.53	3.28E-06	5.90E-08	-3.22E-06	1.38E-07	2.48E-09	-1.35E-07	2.06E-07	3.72E-09	-2.03E-07
5827	489493.75, 3859348.8	3.22E-06	5.79E-08	-3.16E-06	1.35E-07	2.44E-09	-1.33E-07	2.03E-07	3.65E-09	-1.99E-07
5828	489321.28, 3859240.02	3.05E-06	5.48E-08	-2.99E-06	1.28E-07	2.31E-09	-1.26E-07	1.92E-07	3.45E-09	-1.88E-07
5829	489235.41, 3859193.96	2.93E-06	5.28E-08	-2.88E-06	1.23E-07	2.22E-09	-1.21E-07	1.85E-07	3.33E-09	-1.81E-07
5830	489149.54, 3859147.89	2.95E-06	5.31E-08	-2.90E-06	1.24E-07	2.23E-09	-1.22E-07	1.86E-07	3.35E-09	-1.82E-07
5831	489063.68, 3859101.82	2.88E-06	5.18E-08	-2.82E-06	1.21E-07	2.18E-09	-1.19E-07	1.81E-07	3.26E-09	-1.78E-07
5832	488977.81, 3859055.75	2.80E-06	5.03E-08	-2.75E-06	1.18E-07	2.12E-09	-1.15E-07	1.76E-07	3.17E-09	-1.73E-07
5833	488891.94, 3859009.69	2.82E-06	5.07E-08	-2.77E-06	1.19E-07	2.13E-09	-1.16E-07	1.77E-07	3.19E-09	-1.74E-07
5834	488808, 3859060.73	2.93E-06	5.28E-08	-2.88E-06	1.23E-07	2.22E-09	-1.21E-07	1.85E-07	3.32E-09	-1.81E-07
5835	488809.93, 3859157.85	3.06E-06	5.50E-08	-3.00E-06	1.29E-07	2.32E-09	-1.26E-07	1.93E-07	3.47E-09	-1.89E-07
5836	488811.85, 3859254.96	3.11E-06	5.59E-08	-3.05E-06	1.31E-07	2.35E-09	-1.28E-07	1.96E-07	3.52E-09	-1.92E-07
5837	488813.78, 3859352.07	3.04E-06	5.47E-08	-2.98E-06	1.28E-07	2.30E-09	-1.26E-07	1.91E-07	3.45E-09	-1.88E-07
5838	488815.71, 3859449.19	2.85E-06	5.12E-08	-2.79E-06	1.20E-07	2.16E-09	-1.18E-07	1.79E-07	3.23E-09	-1.76E-07
5839	488910.04, 3859547.1	2.81E-06	5.05E-08	-2.76E-06	1.18E-07	2.13E-09	-1.16E-07	1.77E-07	3.18E-09	-1.74E-07
5840	489002.45, 3859547.91	2.90E-06	5.22E-08	-2.85E-06	1.22E-07	2.20E-09	-1.20E-07	1.83E-07	3.29E-09	-1.79E-07
5841	489094.85, 3859548.71	2.98E-06	5.37E-08	-2.93E-06	1.25E-07	2.26E-09	-1.23E-07	1.88E-07	3.38E-09	-1.85E-07
5842	489230.05, 3859601.87	3.08E-06	5.54E-08	-3.02E-06	1.29E-07	2.33E-09	-1.27E-07	1.94E-07	3.49E-09	-1.90E-07
5843	489227.52, 3859680.89	2.97E-06	5.34E-08	-2.92E-06	1.25E-07	2.25E-09	-1.23E-07	1.87E-07	3.37E-09	-1.84E-07
5844	489133.47, 3859760.29	2.94E-06	5.30E-08	-2.89E-06	1.24E-07	2.23E-09	-1.22E-07	1.85E-07	3.34E-09	-1.82E-07
5845	489041.96, 3859760.67	2.92E-06	5.26E-08	-2.87E-06	1.23E-07	2.21E-09	-1.21E-07	1.84E-07	3.31E-09	-1.81E-07
5846	488950.45, 3859761.05	2.93E-06	5.27E-08	-2.87E-06	1.23E-07	2.22E-09	-1.21E-07	1.84E-07	3.32E-09	-1.81E-07
5847	488858.94, 3859761.43	2.91E-06	5.24E-08	-2.86E-06	1.22E-07	2.20E-09	-1.20E-07	1.83E-07	3.30E-09	-1.80E-07
5848	488767.43, 3859761.82	2.94E-06	5.30E-08	-2.89E-06	1.24E-07	2.23E-09	-1.22E-07	1.85E-07	3.34E-09	-1.82E-07
5849	488675.92, 3859762.2	2.93E-06	5.28E-08	-2.88E-06	1.23E-07	2.22E-09	-1.21E-07	1.85E-07	3.32E-09	-1.81E-07
5850	488584.41, 3859762.58	2.95E-06	5.31E-08	-2.90E-06	1.24E-07	2.23E-09	-1.22E-07	1.86E-07	3.35E-09	-1.82E-07
5851	488492.9, 3859762.96	2.95E-06	5.30E-08	-2.89E-06	1.24E-07	2.23E-09	-1.22E-07	1.86E-07	3.34E-09	-1.82E-07
5852	488402.76, 3859830.95	3.01E-06	5.42E-08	-2.95E-06	1.27E-07	2.28E-09	-1.24E-07	1.90E-07	3.41E-09	-1.86E-07
5853	488404.14, 3859898.55	3.13E-06	5.63E-08	-3.07E-06	1.32E-07	2.37E-09	-1.29E-07	1.97E-07	3.55E-09	-1.93E-07
5854	488505.18, 3859964.96	3.22E-06	5.80E-08	-3.16E-06	1.35E-07	2.44E-09	-1.33E-07	2.03E-07	3.65E-09	-1.99E-07
5855	488604.84, 3859963.76	3.24E-06	5.83E-08	-3.18E-06	1.36E-07	2.45E-09	-1.34E-07	2.04E-07	3.68E-09	-2.00E-07
5856	488704.51, 3859962.56	3.25E-06	5.85E-08	-3.19E-06	1.37E-07	2.46E-09	-1.34E-07	2.05E-07	3.68E-09	-2.01E-07
5857	488804.18, 3859961.37	3.25E-06	5.84E-08	-3.19E-06	1.37E-07	2.46E-09	-1.34E-07	2.04E-07	3.68E-09	-2.01E-07
5858	488903.85, 3859960.17	3.24E-06	5.83E-08	-3.18E-06	1.36E-07	2.45E-09	-1.34E-07	2.04E-07	3.68E-09	-2.00E-07
5859	489003.52, 3859958.97	3.26E-06	5.88E-08	-3.21E-06	1.37E-07	2.47E-09	-1.35E-07	2.06E-07	3.70E-09	-2.02E-07
5860	489103.18, 3859957.77	3.29E-06	5.92E-08	-3.23E-06	1.38E-07	2.49E-09	-1.36E-07	2.07E-07	3.73E-09	-2.03E-07
5861	489201.48, 3860046.59	3.44E-06	6.19E-08	-3.38E-06	1.45E-07	2.61E-09	-1.42E-07	2.17E-07	3.90E-09	-2.13E-07
5862	489200.11, 3860136.61	3.61E-06	6.50E-08	-3.54E-06	1.52E-07	2.73E-09	-1.49E-07	2.27E-07	4.09E-09	-2.23E-07
5863	489198.74, 3860226.63	3.73E-06	6.71E-08	-3.66E-06	1.57E-07	2.82E-09	-1.54E-07	2.35E-07	4.23E-09	-2.31E-07
5864	489197.38, 3860316.66	3.83E-06	6.89E-08	-3.76E-06	1.61E-07	2.90E-09	-1.58E-07	2.41E-07	4.34E-09	-2.37E-07
5865	489196.01, 3860406.68	3.84E-06	6.92E-08	-3.77E-06	1.62E-07	2.91E-09	-1.59E-07	2.42E-07	4.36E-09	-2.38E-07
5866	489194.64, 3860496.7	3.93E-06	7.08E-08	-3.86E-06	1.65E-07	2.98E-09	-1.62E-07	2.48E-07	4.46E-09	-2.43E-07
5867	489193.27, 3860586.72	3.89E-06	7.00E-08	-3.82E-06	1.63E-07	2.94E-09	-1.61E-07	2.45E-07	4.41E-09	-2.40E-07
5868	489092.02, 3860678.13	3.75E-06	6.75E-08	-3.68E-06	1.58E-07	2.84E-09	-1.55E-07	2.36E-07	4.25E-09	-2.32E-07
5869	488992.13, 3860679.53	3.67E-06	6.60E-08	-3.60E-06	1.54E-07	2.78E-09	-1.52E-07	2.31E-07	4.16E-09	-2.27E-07
5870	488892.24, 3860680.92	3.56E-06	6.41E-08	-3.50E-06	1.50E-07	2.70E-09	-1.47E-07	2.24E-07	4.04E-09	-2.20E-07
5871	488792.36, 3860682.31	3.48E-06	6.27E-08	-3.42E-06	1.46E-07	2.64E-09	-1.44E-07	2.19E-07	3.95E-09	-2.15E-07
5872	488692.48, 3860683.7	3.37E-06	6.07E-08	-3.31E-06	1.42E-07	2.56E-09	-1.39E-07	2.13E-07	3.83E-09	-2.09E-07
5873	488592.59, 3860685.09	3.34E-06	6.02E-08	-3.28E-06	1.41E-07	2.53E-09	-1.38E-07	2.11E-07	3.79E-09	-2.07E-07
5874	488492.71, 3860686.49	3.19E-06	5.74E-08	-3.13E-06	1.34E-07	2.42E-09	-1.32E-07	2.01E-07	3.62E-09	-1.97E-07
5875	488299.07, 3860762.18	2.81E-06	5.07E-08	-2.76E-06	1.18E-07	2.13E-09	-1.16E-07	1.77E-07	3.19E-09	-1.74E-07
5876	488205.32, 3860764.09	2.86E-06	5.15E-08	-2.81E-06	1.20E-07	2.17E-09	-1.18E-07	1.80E-07	3.24E-09	-1.77E-07
5877	488111.56, 3860766	2.93E-06	5.27E-08	-2.87E-06	1.23E-07	2.22E-09	-1.21E-07	1.84E-07	3.32E-09	-1.81E-07
5878	488017.81, 3860767.91	2.97E-06	5.35E-08	-2.92E-06	1.25E-07	2.25E-09	-1.23E-07	1.87E-07	3.37E-09	-1.84E-07
5879	487924.06, 3860769.81	2.97E-06	5.35E-08	-2.92E-06	1.25E-07	2.25E-09	-1.23E-07	1.87E-07	3.37E-09	-1.84E-07
5880	487830.31, 3860771.72	2.95E-06	5.32E-08	-2.90E-06	1.24E-07	2.24E-09	-1.22E-07	1.86E-07	3.35E-09	-1.83E-07
5881	487736.55, 3860773.63	2.91E-06	5.24E-08	-2.86E-06	1.22E-07	2.21E-09	-1.20E-07	1.83E-07	3.30E-09	-1.80E-07

5882	487642.8, 3860775.54	2.84E-06	5.12E-08	-2.79E-06	1.20E-07	2.15E-09	-1.17E-07	1.79E-07	3.23E-09	-1.76E-07
5883	487549.48, 3860684.71	2.71E-06	4.87E-08	-2.66E-06	1.14E-07	2.05E-09	-1.12E-07	1.70E-07	3.07E-09	-1.67E-07
5884	487549.91, 3860591.97	2.70E-06	4.86E-08	-2.65E-06	1.14E-07	2.05E-09	-1.12E-07	1.70E-07	3.06E-09	-1.67E-07
5885	487550.34, 3860499.23	2.71E-06	4.87E-08	-2.66E-06	1.14E-07	2.05E-09	-1.12E-07	1.70E-07	3.07E-09	-1.67E-07
5886	487550.76, 3860406.49	2.75E-06	4.95E-08	-2.70E-06	1.16E-07	2.08E-09	-1.14E-07	1.73E-07	3.12E-09	-1.70E-07
5887	487551.19, 3860313.75	2.84E-06	5.11E-08	-2.79E-06	1.19E-07	2.15E-09	-1.17E-07	1.79E-07	3.22E-09	-1.76E-07
5888	487551.62, 3860221.01	2.89E-06	5.21E-08	-2.84E-06	1.22E-07	2.19E-09	-1.20E-07	1.82E-07	3.28E-09	-1.79E-07
5889	487552.05, 3860128.27	2.88E-06	5.18E-08	-2.83E-06	1.21E-07	2.18E-09	-1.19E-07	1.81E-07	3.26E-09	-1.78E-07
5890	487552.48, 3860035.53	2.87E-06	5.16E-08	-2.82E-06	1.21E-07	2.17E-09	-1.18E-07	1.81E-07	3.25E-09	-1.77E-07
5891	487552.91, 3859942.79	2.90E-06	5.22E-08	-2.85E-06	1.22E-07	2.20E-09	-1.20E-07	1.83E-07	3.29E-09	-1.79E-07
5892	487553.33, 3859850.05	2.83E-06	5.09E-08	-2.78E-06	1.19E-07	2.14E-09	-1.17E-07	1.78E-07	3.21E-09	-1.75E-07
5893	487553.76, 3859757.31	2.77E-06	4.98E-08	-2.72E-06	1.16E-07	2.10E-09	-1.14E-07	1.74E-07	3.14E-09	-1.71E-07
5894	487554.19, 3859664.57	2.70E-06	4.86E-08	-2.65E-06	1.14E-07	2.04E-09	-1.12E-07	1.70E-07	3.06E-09	-1.67E-07
5895	487460.2, 3859571.05	2.62E-06	4.71E-08	-2.57E-06	1.10E-07	1.98E-09	-1.08E-07	1.65E-07	2.97E-09	-1.62E-07
5896	487365.78, 3859570.27	2.58E-06	4.65E-08	-2.54E-06	1.09E-07	1.96E-09	-1.07E-07	1.63E-07	2.93E-09	-1.60E-07
5897	487271.36, 3859569.48	2.56E-06	4.60E-08	-2.51E-06	1.08E-07	1.94E-09	-1.06E-07	1.61E-07	2.90E-09	-1.58E-07
5898	487176.94, 3859568.7	2.53E-06	4.56E-08	-2.49E-06	1.07E-07	1.92E-09	-1.05E-07	1.59E-07	2.87E-09	-1.57E-07
5899	487082.51, 3859567.92	2.50E-06	4.50E-08	-2.45E-06	1.05E-07	1.89E-09	-1.03E-07	1.57E-07	2.83E-09	-1.55E-07
5900	486988.09, 3859567.14	2.47E-06	4.45E-08	-2.43E-06	1.04E-07	1.87E-09	-1.02E-07	1.56E-07	2.80E-09	-1.53E-07
5901	486893.67, 3859566.36	2.44E-06	4.40E-08	-2.40E-06	1.03E-07	1.85E-09	-1.01E-07	1.54E-07	2.77E-09	-1.51E-07
5902	486799.25, 3859565.58	2.42E-06	4.35E-08	-2.37E-06	1.02E-07	1.83E-09	-9.98E-08	1.52E-07	2.74E-09	-1.49E-07
5903	486704.83, 3859564.79	2.39E-06	4.30E-08	-2.35E-06	1.00E-07	1.81E-09	-9.87E-08	1.50E-07	2.71E-09	-1.48E-07
5904	486610.41, 3859564.01	2.36E-06	4.25E-08	-2.32E-06	9.93E-08	1.79E-09	-9.75E-08	1.49E-07	2.68E-09	-1.46E-07
5905	486515.99, 3859563.23	2.35E-06	4.22E-08	-2.30E-06	9.87E-08	1.78E-09	-9.69E-08	1.48E-07	2.66E-09	-1.45E-07
5906	486421.57, 3859562.45	2.32E-06	4.18E-08	-2.28E-06	9.76E-08	1.76E-09	-9.59E-08	1.46E-07	2.63E-09	-1.44E-07
5907	486327.14, 3859561.67	2.29E-06	4.11E-08	-2.24E-06	9.61E-08	1.73E-09	-9.44E-08	1.44E-07	2.59E-09	-1.41E-07
5908	486232.72, 3859560.89	2.27E-06	4.08E-08	-2.22E-06	9.53E-08	1.72E-09	-9.36E-08	1.43E-07	2.57E-09	-1.40E-07
5909	486138.3, 3859560.1	2.24E-06	4.03E-08	-2.20E-06	9.41E-08	1.69E-09	-9.24E-08	1.41E-07	2.54E-09	-1.38E-07
5910	486043.88, 3859559.32	2.21E-06	3.98E-08	-2.17E-06	9.29E-08	1.67E-09	-9.13E-08	1.39E-07	2.51E-09	-1.37E-07
5911	485949.35, 3859463.54	2.15E-06	3.87E-08	-2.11E-06	9.04E-08	1.63E-09	-8.88E-08	1.35E-07	2.44E-09	-1.33E-07
5912	485949.24, 3859368.55	2.10E-06	3.78E-08	-2.06E-06	8.84E-08	1.59E-09	-8.68E-08	1.32E-07	2.38E-09	-1.30E-07
5913	485949.12, 3859273.55	2.04E-06	3.67E-08	-2.00E-06	8.58E-08	1.55E-09	-8.43E-08	1.29E-07	2.31E-09	-1.26E-07
5914	485949.01, 3859178.56	1.99E-06	3.58E-08	-1.95E-06	8.35E-08	1.50E-09	-8.20E-08	1.25E-07	2.25E-09	-1.23E-07
5915	485948.9, 3859083.56	1.93E-06	3.47E-08	-1.89E-06	8.10E-08	1.46E-09	-7.96E-08	1.21E-07	2.18E-09	-1.19E-07
5916	485948.79, 3858988.56	1.88E-06	3.38E-08	-1.85E-06	7.91E-08	1.42E-09	-7.77E-08	1.18E-07	2.13E-09	-1.16E-07
5917	485948.67, 3858893.57	1.83E-06	3.29E-08	-1.79E-06	7.69E-08	1.38E-09	-7.55E-08	1.15E-07	2.07E-09	-1.13E-07
5918	485948.56, 3858798.57	1.74E-06	3.13E-08	-1.71E-06	7.31E-08	1.32E-09	-7.17E-08	1.09E-07	1.97E-09	-1.07E-07
5919	485948.45, 3858703.58	1.69E-06	3.04E-08	-1.66E-06	7.11E-08	1.28E-09	-6.98E-08	1.06E-07	1.92E-09	-1.04E-07
5920	485948.34, 3858608.58	1.66E-06	2.98E-08	-1.63E-06	6.97E-08	1.25E-09	-6.84E-08	1.04E-07	1.88E-09	-1.02E-07
5921	485948.22, 3858513.59	1.69E-06	3.05E-08	-1.66E-06	7.12E-08	1.28E-09	-7.00E-08	1.07E-07	1.92E-09	-1.05E-07
5922	485948.11, 3858418.59	1.80E-06	3.24E-08	-1.77E-06	7.58E-08	1.36E-09	-7.44E-08	1.13E-07	2.04E-09	-1.11E-07
5923	485948, 3858323.59	1.91E-06	3.45E-08	-1.88E-06	8.05E-08	1.45E-09	-7.91E-08	1.21E-07	2.17E-09	-1.18E-07
5924	485947.89, 3858228.6	2.04E-06	3.67E-08	-2.00E-06	8.57E-08	1.54E-09	-8.42E-08	1.28E-07	2.31E-09	-1.26E-07
5925	485947.77, 3858133.6	2.12E-06	3.81E-08	-2.08E-06	8.91E-08	1.60E-09	-8.75E-08	1.33E-07	2.40E-09	-1.31E-07
5926	485947.66, 3858038.61	2.10E-06	3.78E-08	-2.06E-06	8.82E-08	1.59E-09	-8.67E-08	1.32E-07	2.38E-09	-1.30E-07
5927	485854.54, 3857943.35	2.08E-06	3.74E-08	-2.04E-06	8.73E-08	1.57E-09	-8.58E-08	1.31E-07	2.35E-09	-1.28E-07
5928	485761.52, 3857943.09	2.06E-06	3.72E-08	-2.03E-06	8.69E-08	1.56E-09	-8.53E-08	1.30E-07	2.34E-09	-1.28E-07
5929	485668.51, 3857942.83	2.03E-06	3.66E-08	-2.00E-06	8.55E-08	1.54E-09	-8.39E-08	1.28E-07	2.30E-09	-1.26E-07
5930	485575.5, 3857942.56	2.01E-06	3.62E-08	-1.97E-06	8.45E-08	1.52E-09	-8.30E-08	1.27E-07	2.28E-09	-1.24E-07
5931	485482.48, 3857942.3	1.96E-06	3.54E-08	-1.93E-06	8.26E-08	1.49E-09	-8.12E-08	1.24E-07	2.23E-09	-1.22E-07
5932	485389.47, 3857942.04	1.91E-06	3.45E-08	-1.88E-06	8.05E-08	1.45E-09	-7.91E-08	1.21E-07	2.17E-09	-1.18E-07
5933	485296.46, 3857941.78	1.86E-06	3.35E-08	-1.83E-06	7.82E-08	1.41E-09	-7.68E-08	1.17E-07	2.11E-09	-1.15E-07
5934	485203.45, 3857941.52	1.79E-06	3.22E-08	-1.75E-06	7.52E-08	1.35E-09	-7.38E-08	1.13E-07	2.03E-09	-1.11E-07
5935	485110.43, 3857941.26	1.73E-06	3.11E-08	-1.70E-06	7.27E-08	1.31E-09	-7.14E-08	1.09E-07	1.96E-09	-1.07E-07
5936	485017.42, 3857940.99	1.67E-06	3.01E-08	-1.64E-06	7.04E-08	1.27E-09	-6.91E-08	1.05E-07	1.90E-09	-1.04E-07
5937	484924.41, 3857940.73	1.62E-06	2.91E-08	-1.59E-06	6.80E-08	1.22E-09	-6.68E-08	1.02E-07	1.83E-09	-1.00E-07
5938	484831.39, 3857940.47	1.55E-06	2.79E-08	-1.52E-06	6.53E-08	1.18E-09	-6.41E-08	9.77E-08	1.76E-09	-9.60E-08
5939	484738.12, 3857859.3	1.59E-06	2.86E-08	-1.56E-06	6.67E-08	1.20E-09	-6.55E-08	9.99E-08	1.80E-09	-9.81E-08
5940	484737.85, 3857778.4	1.66E-06	2.99E-08	-1.63E-06	6.99E-08	1.26E-09	-6.87E-08	1.05E-07	1.88E-09	-1.03E-07
5941	484737.59, 3857697.49	1.72E-06	3.10E-08	-1.69E-06	7.24E-08	1.30E-09	-7.11E-08	1.08E-07	1.95E-09	-1.06E-07
5942	484737.32, 3857616.59	1.76E-06	3.17E-08	-1.73E-06	7.40E-08	1.33E-09	-7.27E-08	1.11E-07	2.00E-09	-1.09E-07
5943	484645.53, 3857535.18	1.74E-06	3.13E-08	-1.71E-06	7.31E-08	1.32E-09	-7.17E-08	1.09E-07	1.97E-09	-1.07E-07
5944	484553.99, 3857534.67	1.72E-06	3.09E-08	-1.68E-06	7.22E-08	1.30E-09	-7.09E-08	1.08E-07	1.95E-09	-1.06E-07
5945	484462.46, 3857534.17	1.68E-06	3.02E-08	-1.65E-06	7.06E-08	1.27E-09	-6.94E-08	1.06E-07	1.90E-09	-1.04E-07
5946	484370.93, 3857533.66	1.64E-06	2.96E-08	-1.61E-06	6.91E-08	1.24E-09	-6.78E-08	1.03E-07	1.86E-09	-1.02E-07
5947	484279.4, 3857533.16	1.60E-06	2.87E-08	-1.57E-06	6.71E-08	1.21E-09	-6.59E-08	1.01E-07	1.81E-09	-9.87E-08
5948	484187.86, 3857532.65	1.55E-06	2.79E-08	-1.52E-06	6.53E-08	1.18E-09	-6.41E-08	9.77E-08	1.76E-09	-9.60E-08
5949	484096.33, 3857532.15	1.50E-06	2.70E-08	-1.47E-06	6.30E-08	1.13E-09	-6.19E-08	9.43E-08	1.70E-09	-9.26E-08
5950	484004.8, 3857531.64	1.45E-06	2.61E-08	-1.42E-06	6.10E-08	1.10E-09	-5.99E-08	9.13E-08	1.64E-09	-8.97E-08
5951	483913.27, 3857531.14	1.41E-06	2.54E-08	-1.39E-06	5.94E-08	1.07E-09	-5.83E-08	8.89E-08	1.60E-09	-8.73E-08
5952	483821.73, 3857530.63	1.36E-06	2.45E-08	-1.34E-06	5.73E-08	1.03E-09	-5.63E-08	8.58E-08	1.55E-09	-8.43E-08
5953	483729.61, 3857450.11	1.39E-06	2.50E-08	-1.36E-06	5.84E-08	1.05E-09	-5.74E-08	8.75E-08	1.57E-09	-8.59E-08
5954	483729.03, 3857370.08	1.44E-06	2.59E-08	-1.41E-06	6.06E-08	1.09E-09	-5.95E-08	9.07E-08	1.63E-09	-8.91E-08
5955	483728.44, 3857290.06	1.49E-06	2.68E-08	-1.46E-06	6.26E-08	1.13E-09	-6.14E-08	9.37E-08	1.69E-09	-9.20E-08
5956	483727.86, 3857210.03	1.51E-06	2.73E-08	-1.49E-06	6.37E-08	1.15E-09	-6.26E-08	9.54E-08	1.72E-09	-9.37E-08
5957	483641.15, 3857129.07	1.49E-06	2.69E-08	-1.47E-06	6.29E-08	1.13E-09	-6.17E-08	9.41E-08	1.69E-09	-9.24E-08
5958	483555.03, 3857128.14	1.48E-06	2.66E-08	-1.45E-06	6.21E-08	1.12E-09	-6.10E-08	9.30E-08	1.67E-09	-9.13E-08
5959	483468.91, 3857127.2	1.47E-06	2.65E-08	-1.44E-06	6.18E-08	1.11E-09	-6.07E-08	9.26E-08	1.67E-09	-9.09E-08
5960	483382.78, 3857126.26	1.43E-06	2.58E-08	-1.41E-06	6.03E-08	1.09E-09	-5.93E-08	9.03E-08	1.63E-09	-8.87E-08
5961	483296.66, 3857125.32	1.41E-06	2.53E-08	-1.38E-06	5.92E-08	1.07E-09	-5.81E-08	8.86E-08	1.60E-09	-8.70E-08
5962	483210.54, 3857124.39	1.38E-06	2.49E-08	-1.36E-06	5.82E-08	1.05E-09	-5.71E-08	8.71E-08	1.57E-09	-8.55E-08
5963	483123.4, 3857030.96	1.40E-06	2.51E-08	-1.37E-06	5.87E-08	1.06E-09	-5.77E-08	8.79E-08	1.58E-09	-8.63E-08
5964	483122.38, 3856938.46	1.40E-06	2.53E-08	-1.38E-06	5.90E-08	1.06E-09	-5.79E-08	8.84E-08	1.59E-09	-8.68E-08
5965	483121.35, 3856845.97	1.38E-06	2.48E-08	-1.35E-06	5.80E-08	1.05E-09	-5.70E-08	8.69E-08	1.56E-09	-8.54E-08
5966	483120.33, 3856753.47	1.35E-06	2.44E-08	-1.33E-06	5.70E-08	1.03E-09	-5.59E-08	8.53E-08	1.54E-09	-8.38E-08
5967	483119.31, 3856660.98	1.31E-06	2.36E-08	-1.28E-06	5.50E-08	9.91E-10	-5.40E-08	8.24E-08	1.48E-09	-8.09E-08
5968	483118.29, 3856568.49	1.24E-06	2.24E-08	-1.22E-06	5.23E-08	9.42E-10	-5.14E-08	7.83E-08	1.41E-09	-7.69E-08
5969	483117.26, 3856475.99	1.17E-06	2.11E-08	-1.15E-06	4.93E-08	8.88E-10	-4.84E-08	7.38E-08	1.33E-09	-7.25E-08
5970	483116.24, 3856383.5	1.11E-06	2.00E-08	-1.09E-06	4.68E-08	8.42E-10	-4.59E-08	7.00E-08	1.26E-09	-6.88E-08
5971	483115.22, 3856291.01	1.06E-06	1.91E-08	-1.04E-06	4.46E-08	8.03E-10	-4.38E-08	6.68E-08	1.20E-09	-6.56E-08
5972	483114.2, 3856198.51	1.03E-06	1.85E-08	-1.01E-06	4.33E-08	7.80E-10	-4.26E-08	6.49E-08	1.17E-09	-6.37E-08
5973	483113.17, 3856106.02	9.89E-07	1.78E-08	-9.71E-07	4.16E-08	7.49E-10	-4.08E-08	6.23E-08	1.12E-09	-6.12E-08
5974	483112.15, 3856013.52	9.77E-07	1.76E-08	-9.60E-07	4.11E-08	7.40E-10	-4.04E-08	6.16E-08	1.11E-09	-6.04E-08
5975	483029.25, 3855920.47	9.51E-07	1.71E-08	-9.34E-07	4.00E-08	7.21E-10	-3.93E-08	5.99E-08	1.08E-09	-5.89E-08
5976	482947.37, 3855919.91	9.44E-07	1.70E-08	-9.27E-07	3.97E-08	7.15E-10	-3.90E-08	5.95E-08	1.07E-09	-5.84E-08
5977	482865.49, 3855919.36	9.43E-07	1.70E-08	-9.26E-07	3.97E-08	7.14E-10	-3.89E-08	5.94E-08	1.07E-09	-5.83E-08
5978	482783.61, 3855918.8	9.31E-07	1.68E-08	-9.15E-07	3.92E-08	7.05E-10	-3.85E-08	5.87E-08	1.06E-09	-5.76E-08
5979	482700.33, 3855818.39	9.14E-07	1.65E-08	-8.98E-07	3.85E-08	6.92E-10	-3.78E-08	5.76E-08	1.04E-09	-5.65E-08
5980	482698.92, 3855718.54	8.98E-07	1.62E-08	-8.82E-07	3.78E-08	6.80E-10	-3.71E-08	5.66E-08	1.02E-09	-5.56E-08
5981	482697.52, 3855618.68	9.01E-07	1.62E-08	-8.85E-07	3.79E-08	6.83E-10	-3.72E-08	5.68E-08	1.02E-09	-5.57E-08
5982	482696.11, 3855518.83	8.90E-07	1.60E-08	-8.74E-07	3.74E-08	6.74E-10	-3.68E-08	5.60E-08	1.01E-09	-5.50E-08
5983	482694.71, 3855418.98	8.94E-07	1.61E-08	-8.78E-07	3.76E-08	6.77E-10	-3.69E-08	5.63E-08	1.01E-09	-5.53E-08
5984	482693.3, 3855319.13	8.94E-07	1.61E-08	-8.78E-07	3.76E-08	6.77E-10	-3.69E-08	5.63E-08	1.01E-09	-5.53E-08
5985	482691.9, 3855219.27	8.80E-07	1.58E-08	-8.64E-07	3.70E-08	6.66E-10	-3.63E-08	5.54E-08	9.98E-10	-5.44E-08
5986	482690.49, 3855119.42	8.78E-07	1.58E-08	-8.62E-07	3.69E-08	6.65E-10	-3.63E-08	5.53E-08	9.96E-10	-5.43E-08
5987	482689.09, 3855019.57	8.48E-07	1.53E-08	-8.33E-07	3.57E-08	6.42E-10	-3.50E-08	5.34E-08	9.62E-10	-5.25E-08
5988	482687.68, 3854919.71	8.42E-07	1.52E-08	-8.27E-07	3.54E-08	6.38E-10	-3.48E-08	5.31E-08	9.55E-10	-5.21E-08

5989	482686.28, 3854819.86	8.24E-07	1.48E-08	-8.09E-07	3.47E-08	6.24E-10	-3.40E-08	5.19E-08	9.34E-10	-5.10E-08
5990	482684.88, 3854720.01	8.30E-07	1.49E-08	-8.15E-07	3.49E-08	6.28E-10	-3.43E-08	5.23E-08	9.41E-10	-5.13E-08
5991	482683.47, 3854620.16	8.05E-07	1.45E-08	-7.91E-07	3.39E-08	6.10E-10	-3.33E-08	5.07E-08	9.13E-10	-4.98E-08
5992	482682.07, 3854520.31	7.97E-07	1.43E-08	-7.82E-07	3.35E-08	6.03E-10	-3.29E-08	5.02E-08	9.03E-10	-4.93E-08
5993	482680.66, 3854420.45	7.82E-07	1.41E-08	-7.68E-07	3.29E-08	5.93E-10	-3.23E-08	4.93E-08	8.87E-10	-4.84E-08
5994	482679.26, 3854320.6	7.68E-07	1.38E-08	-7.54E-07	3.23E-08	5.82E-10	-3.17E-08	4.84E-08	8.71E-10	-4.75E-08
5995	482677.85, 3854220.75	7.16E-07	1.29E-08	-7.03E-07	3.01E-08	5.43E-10	-2.96E-08	4.51E-08	8.12E-10	-4.43E-08
5996	482676.45, 3854120.9	7.24E-07	1.30E-08	-7.11E-07	3.04E-08	5.48E-10	-2.99E-08	4.56E-08	8.21E-10	-4.48E-08
5997	482675.04, 3854021.04	7.25E-07	1.31E-08	-7.12E-07	3.05E-08	5.49E-10	-3.00E-08	4.57E-08	8.22E-10	-4.48E-08
5998	482673.64, 3853921.19	7.19E-07	1.29E-08	-7.06E-07	3.03E-08	5.45E-10	-2.97E-08	4.53E-08	8.16E-10	-4.45E-08
5999	482672.23, 3853821.34	7.16E-07	1.29E-08	-7.03E-07	3.01E-08	5.43E-10	-2.96E-08	4.51E-08	8.12E-10	-4.43E-08
6000	482670.83, 3853721.48	7.06E-07	1.27E-08	-6.94E-07	2.97E-08	5.35E-10	-2.92E-08	4.45E-08	8.01E-10	-4.37E-08
6001	482669.42, 3853621.63	7.22E-07	1.30E-08	-7.09E-07	3.04E-08	5.47E-10	-2.98E-08	4.55E-08	8.19E-10	-4.47E-08
6002	482645.99, 3853446.13	7.39E-07	1.33E-08	-7.26E-07	3.11E-08	5.60E-10	-3.05E-08	4.66E-08	8.38E-10	-4.57E-08
6003	482623.96, 3853370.48	7.48E-07	1.35E-08	-7.34E-07	3.15E-08	5.66E-10	-3.09E-08	4.71E-08	8.48E-10	-4.63E-08
6004	482601.94, 3853294.84	7.55E-07	1.36E-08	-7.41E-07	3.18E-08	5.72E-10	-3.12E-08	4.76E-08	8.56E-10	-4.67E-08
6005	482531.29, 3853133.44	7.58E-07	1.36E-08	-7.44E-07	3.19E-08	5.74E-10	-3.13E-08	4.77E-08	8.60E-10	-4.69E-08
6006	482482.68, 3853047.69	7.48E-07	1.35E-08	-7.34E-07	3.15E-08	5.66E-10	-3.09E-08	4.71E-08	8.48E-10	-4.63E-08
6007	482383.08, 3852897.4	7.55E-07	1.36E-08	-7.41E-07	3.18E-08	5.72E-10	-3.12E-08	4.76E-08	8.56E-10	-4.67E-08
6008	482265.64, 3852765.26	7.49E-07	1.35E-08	-7.36E-07	3.15E-08	5.68E-10	-3.10E-08	4.72E-08	8.50E-10	-4.64E-08
6009	482199.16, 3852697.66	7.42E-07	1.34E-08	-7.29E-07	3.12E-08	5.62E-10	-3.07E-08	4.68E-08	8.42E-10	-4.59E-08
6010	482132.69, 3852630.07	7.32E-07	1.32E-08	-7.19E-07	3.08E-08	5.55E-10	-3.02E-08	4.61E-08	8.30E-10	-4.53E-08
6011	482066.21, 3852562.48	7.24E-07	1.30E-08	-7.11E-07	3.04E-08	5.48E-10	-2.99E-08	4.56E-08	8.21E-10	-4.48E-08
6012	481999.74, 3852494.89	7.18E-07	1.29E-08	-7.05E-07	3.02E-08	5.44E-10	-2.97E-08	4.52E-08	8.14E-10	-4.44E-08
6013	481933.26, 3852427.29	7.14E-07	1.28E-08	-7.01E-07	3.00E-08	5.40E-10	-2.95E-08	4.49E-08	8.09E-10	-4.41E-08
6014	481866.79, 3852359.7	6.99E-07	1.26E-08	-6.87E-07	2.94E-08	5.30E-10	-2.89E-08	4.40E-08	7.93E-10	-4.33E-08
6015	481800.31, 3852292.11	6.83E-07	1.23E-08	-6.71E-07	2.88E-08	5.18E-10	-2.82E-08	4.31E-08	7.75E-10	-4.23E-08
6016	481733.84, 3852224.52	6.71E-07	1.21E-08	-6.58E-07	2.82E-08	5.08E-10	-2.77E-08	4.22E-08	7.60E-10	-4.15E-08
6017	481667.36, 3852156.92	6.50E-07	1.17E-08	-6.39E-07	2.74E-08	4.93E-10	-2.69E-08	4.10E-08	7.38E-10	-4.02E-08
6018	481600.89, 3852089.33	6.48E-07	1.17E-08	-6.36E-07	2.72E-08	4.91E-10	-2.68E-08	4.08E-08	7.34E-10	-4.01E-08
6019	481534.41, 3852021.74	6.49E-07	1.17E-08	-6.37E-07	2.73E-08	4.92E-10	-2.68E-08	4.09E-08	7.36E-10	-4.02E-08
6020	481467.94, 3851954.15	6.45E-07	1.16E-08	-6.33E-07	2.71E-08	4.88E-10	-2.66E-08	4.06E-08	7.31E-10	-3.99E-08
6021	481401.46, 3851886.55	6.32E-07	1.14E-08	-6.20E-07	2.66E-08	4.79E-10	-2.61E-08	3.98E-08	7.17E-10	-3.91E-08
6022	481265.87, 3851761.43	6.23E-07	1.12E-08	-6.12E-07	2.62E-08	4.72E-10	-2.57E-08	3.93E-08	7.07E-10	-3.86E-08
6023	481196.74, 3851703.89	6.15E-07	1.11E-08	-6.04E-07	2.59E-08	4.66E-10	-2.54E-08	3.87E-08	6.97E-10	-3.80E-08
6024	481076.33, 3851619.04	6.05E-07	1.09E-08	-5.94E-07	2.54E-08	4.58E-10	-2.50E-08	3.81E-08	6.86E-10	-3.74E-08
6025	480939.8, 3851549.07	5.90E-07	1.06E-08	-5.80E-07	2.48E-08	4.47E-10	-2.44E-08	3.72E-08	6.69E-10	-3.65E-08
6026	480854.56, 3851506.41	5.83E-07	1.05E-08	-5.73E-07	2.45E-08	4.42E-10	-2.41E-08	3.67E-08	6.61E-10	-3.61E-08
6027	480769.32, 3851463.75	5.75E-07	1.03E-08	-5.64E-07	2.42E-08	4.35E-10	-2.37E-08	3.62E-08	6.52E-10	-3.55E-08
6028	480684.08, 3851421.08	5.66E-07	1.02E-08	-5.56E-07	2.38E-08	4.29E-10	-2.34E-08	3.57E-08	6.42E-10	-3.50E-08
6029	480598.84, 3851378.42	5.65E-07	1.02E-08	-5.54E-07	2.37E-08	4.28E-10	-2.33E-08	3.56E-08	6.40E-10	-3.49E-08
6030	480435.71, 3851275.01	5.50E-07	9.91E-09	-5.40E-07	2.31E-08	4.17E-10	-2.27E-08	3.47E-08	6.24E-10	-3.40E-08
6031	480347.85, 3851232.36	5.44E-07	9.80E-09	-5.35E-07	2.29E-08	4.12E-10	-2.25E-08	3.43E-08	6.17E-10	-3.37E-08
6032	480260, 3851189.72	5.37E-07	9.67E-09	-5.28E-07	2.26E-08	4.07E-10	-2.22E-08	3.38E-08	6.09E-10	-3.32E-08
6033	480172.15, 3851147.07	5.30E-07	9.54E-09	-5.21E-07	2.23E-08	4.02E-10	-2.19E-08	3.34E-08	6.01E-10	-3.28E-08
6034	480084.29, 3851104.42	5.20E-07	9.36E-09	-5.11E-07	2.19E-08	3.94E-10	-2.15E-08	3.28E-08	5.90E-10	-3.22E-08
6035	479996.44, 3851061.77	5.09E-07	9.16E-09	-4.99E-07	2.14E-08	3.85E-10	-2.10E-08	3.20E-08	5.77E-10	-3.15E-08
6036	479908.58, 3851019.13	4.80E-07	8.64E-09	-4.71E-07	2.02E-08	3.64E-10	-1.98E-08	3.02E-08	5.44E-10	-2.97E-08
6037	479820.73, 3850976.48	4.73E-07	8.51E-09	-4.64E-07	1.99E-08	3.58E-10	-1.95E-08	2.98E-08	5.36E-10	-2.92E-08
6038	479732.88, 3850933.83	4.66E-07	8.38E-09	-4.57E-07	1.96E-08	3.53E-10	-1.92E-08	2.93E-08	5.28E-10	-2.88E-08
6039	479645.02, 3850891.18	4.60E-07	8.28E-09	-4.52E-07	1.93E-08	3.48E-10	-1.90E-08	2.90E-08	5.22E-10	-2.85E-08
6040	479557.17, 3850848.54	4.58E-07	8.25E-09	-4.50E-07	1.93E-08	3.47E-10	-1.89E-08	2.89E-08	5.20E-10	-2.84E-08
6041	479469.32, 3850805.89	4.48E-07	8.07E-09	-4.40E-07	1.89E-08	3.40E-10	-1.85E-08	2.83E-08	5.09E-10	-2.77E-08
6042	479381.46, 3850763.24	4.50E-07	8.10E-09	-4.42E-07	1.89E-08	3.41E-10	-1.86E-08	2.83E-08	5.10E-10	-2.78E-08
6043	479293.61, 3850720.59	4.60E-07	8.28E-09	-4.52E-07	1.93E-08	3.48E-10	-1.90E-08	2.90E-08	5.22E-10	-2.85E-08
6044	479205.76, 3850677.95	4.66E-07	8.38E-09	-4.57E-07	1.96E-08	3.53E-10	-1.92E-08	2.93E-08	5.28E-10	-2.88E-08
6045	479117.9, 3850635.3	4.76E-07	8.56E-09	-4.67E-07	2.00E-08	3.60E-10	-1.97E-08	3.00E-08	5.39E-10	-2.94E-08
6046	479030.05, 3850592.65	4.69E-07	8.43E-09	-4.60E-07	1.97E-08	3.55E-10	-1.94E-08	2.95E-08	5.31E-10	-2.90E-08
6047	478942.19, 3850550	4.56E-07	8.20E-09	-4.47E-07	1.92E-08	3.45E-10	-1.88E-08	2.87E-08	5.17E-10	-2.82E-08
6048	478854.34, 3850507.36	4.21E-07	7.58E-09	-4.14E-07	1.77E-08	3.19E-10	-1.74E-08	2.65E-08	4.78E-10	-2.61E-08
6049	478766.49, 3850464.71	4.05E-07	7.30E-09	-3.98E-07	1.71E-08	3.07E-10	-1.68E-08	2.55E-08	4.60E-10	-2.51E-08
6050	478678.63, 3850422.06	3.97E-07	7.15E-09	-3.90E-07	1.67E-08	3.01E-10	-1.64E-08	2.50E-08	4.50E-10	-2.46E-08
6051	478590.78, 3850379.41	3.85E-07	6.94E-09	-3.78E-07	1.62E-08	2.92E-10	-1.59E-08	2.43E-08	4.37E-10	-2.38E-08
6052	478502.93, 3850336.77	3.78E-07	6.81E-09	-3.71E-07	1.59E-08	2.86E-10	-1.56E-08	2.38E-08	4.29E-10	-2.34E-08
6053	478415.07, 3850294.12	3.74E-07	6.73E-09	-3.67E-07	1.57E-08	2.83E-10	-1.54E-08	2.36E-08	4.24E-10	-2.31E-08
6054	478327.22, 3850251.47	3.64E-07	6.55E-09	-3.57E-07	1.53E-08	2.76E-10	-1.50E-08	2.29E-08	4.13E-10	-2.25E-08
6055	478239.36, 3850208.82	3.57E-07	6.42E-09	-3.50E-07	1.50E-08	2.70E-10	-1.47E-08	2.25E-08	4.05E-10	-2.21E-08
6056	478151.51, 3850166.18	3.51E-07	6.32E-09	-3.45E-07	1.48E-08	2.66E-10	-1.45E-08	2.21E-08	3.98E-10	-2.17E-08
6057	478063.66, 3850123.53	3.45E-07	6.22E-09	-3.39E-07	1.45E-08	2.62E-10	-1.43E-08	2.18E-08	3.92E-10	-2.14E-08
6058	477975.8, 3850080.88	3.65E-07	6.58E-09	-3.59E-07	1.54E-08	2.77E-10	-1.51E-08	2.30E-08	4.14E-10	-2.26E-08
6059	477887.95, 3850038.23	3.67E-07	6.60E-09	-3.60E-07	1.54E-08	2.78E-10	-1.52E-08	2.31E-08	4.16E-10	-2.27E-08
6060	477800.1, 3849995.59	3.73E-07	6.71E-09	-3.66E-07	1.57E-08	2.82E-10	-1.54E-08	2.35E-08	4.22E-10	-2.30E-08
6061	477712.24, 3849952.94	3.71E-07	6.68E-09	-3.64E-07	1.56E-08	2.81E-10	-1.53E-08	2.34E-08	4.21E-10	-2.30E-08
6062	477624.39, 3849910.29	3.70E-07	6.66E-09	-3.63E-07	1.56E-08	2.80E-10	-1.53E-08	2.33E-08	4.19E-10	-2.29E-08
6063	477536.54, 3849867.64	3.70E-07	6.66E-09	-3.63E-07	1.56E-08	2.80E-10	-1.53E-08	2.33E-08	4.19E-10	-2.29E-08
6064	477448.68, 3849825	3.65E-07	6.58E-09	-3.59E-07	1.54E-08	2.77E-10	-1.51E-08	2.30E-08	4.14E-10	-2.26E-08
6065	477360.83, 3849782.35	3.61E-07	6.50E-09	-3.55E-07	1.52E-08	2.73E-10	-1.49E-08	2.27E-08	4.09E-10	-2.23E-08
6066	477272.97, 3849739.7	3.48E-07	6.27E-09	-3.42E-07	1.46E-08	2.64E-10	-1.44E-08	2.19E-08	3.95E-10	-2.15E-08
6067	477185.12, 3849697.05	3.45E-07	6.22E-09	-3.39E-07	1.45E-08	2.62E-10	-1.43E-08	2.18E-08	3.92E-10	-2.14E-08
6068	477097.27, 3849654.41	3.47E-07	6.24E-09	-3.40E-07	1.46E-08	2.63E-10	-1.43E-08	2.18E-08	3.93E-10	-2.14E-08
6069	477009.41, 3849611.76	3.32E-07	5.98E-09	-3.26E-07	1.40E-08	2.52E-10	-1.37E-08	2.09E-08	3.77E-10	-2.06E-08
6070	476841.49, 3849530.08	3.20E-07	5.75E-09	-3.14E-07	1.34E-08	2.42E-10	-1.32E-08	2.01E-08	3.62E-10	-1.98E-08
6071	476761.41, 3849491.05	3.18E-07	5.73E-09	-3.12E-07	1.34E-08	2.41E-10	-1.31E-08	2.00E-08	3.61E-10	-1.97E-08
6072	476681.34, 3849452.02	3.11E-07	5.60E-09	-3.05E-07	1.31E-08	2.35E-10	-1.28E-08	1.96E-08	3.53E-10	-1.92E-08
6073	476601.26, 3849412.99	3.02E-07	5.44E-09	-2.97E-07	1.27E-08	2.29E-10	-1.25E-08	1.90E-08	3.43E-10	-1.87E-08
6074	476456.32, 3849353.67	2.78E-07	5.00E-09	-2.73E-07	1.17E-08	2.11E-10	-1.15E-08	1.75E-08	3.15E-10	-1.72E-08
6075	476305.43, 3849318.83	2.79E-07	5.03E-09	-2.74E-07	1.18E-08	2.12E-10	-1.15E-08	1.76E-08	3.17E-10	-1.73E-08
6076	476129.36, 3849289.99	2.71E-07	4.88E-09	-2.66E-07	1.14E-08	2.05E-10	-1.12E-08	1.71E-08	3.07E-10	-1.68E-08
6077	476039.31, 3849275.68	2.62E-07	4.72E-09	-2.57E-07	1.10E-08	1.99E-10	-1.08E-08	1.65E-08	2.97E-10	-1.62E-08
6078	475949.26, 3849261.38	2.55E-07	4.59E-09	-2.50E-07	1.07E-08	1.93E-10	-1.05E-08	1.61E-08	2.89E-10	-1.58E-08
6079	475859.21, 3849247.08	2.51E-07	4.51E-09	-2.46E-07	1.05E-08	1.90E-10	-1.04E-08	1.58E-08	2.84E-10	-1.55E-08
6080	475769.16, 3849232.77	2.39E-07	4.31E-09	-2.35E-07	1.01E-08	1.81E-10	-9.88E-09	1.51E-08	2.71E-10	-1.48E-08
6081	475585.22, 3849219.27	1.82E-07	3.28E-09	-1.79E-07	7.66E-09	1.38E-10	-7.52E-09	1.15E-08	2.06E-10	-1.13E-08
6082	475444.49, 3849150.34	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
6083	475334.17, 3849118.71	2.15E-07	3.87E-09	-2.11E-07	9.04E-09	1.63E-10	-8.88E-09	1.35E-08	2.44E-10	-1.33E-08
6084	475230.46, 3849060.57	2.13E-07	3.84E-09	-2.10E-07	8.98E-09	1.62E-10	-8.82E-09	1.34E-08	2.42E-10	-1.32E-08
6085	475110.86, 3848960.97	2.11E-07	3.79E-09	-2.07E-07	8.86E-09	1.60E-10	-8.70E-09	1.33E-08	2.39E-10	-1.30E-08
6086	475037.79, 3848896.28	2.05E-07	3.69E-09	-2.01E-07	8.62E-09	1.55E-10	-8.46E-09	1.29E-08	2.32E-10	-1.27E-08
6087	474964.72, 3848831.59	2.01E-07	3.61E-09	-1.97E-07	8.44E-09	1.52E-10	-8.29E-09	1.26E-08	2.27E-10	-1.24E-08
6088	474891.65, 3848766.9	1.99E-07	3.59E-09	-1.96E-07	8.38E-09	1.51E-10	-8.23E-09	1.25E-08	2.26E-10	-1.23E-08
6089	474818.58, 3848702.21	1.99E-07	3.59E-09	-1.96E-07	8.38E-09	1.51E-10	-8.23E-09	1.25E-08	2.26E-10	-1.23E-08
6090	474745.51, 3848637.53	2.03E-07	3.66E-09	-2.00E-07	8.56E-09	1.54E-10	-8.41E-09	1.28E-08	2.31E-10	-1.26E-08
6091	474672.44, 3848572.84	2.11E-07	3.79E-09	-2.07E-07	8.86E-09	1.60E-10	-8.70E-09	1.33E-08	2.39E-10	-1.30E-08
6092	474599.37, 3848508.15	2.02E-07	3.64E-09	-1.98E-07	8.50E-09	1.53E-10	-8.35E-09	1.27E-08	2.29E-10	-1.25E-08
6093	474526.3, 3848443.46	2.01E-07	3.61E-09	-1.97E-07	8.44E-09	1.52E-10	-8.29E-09	1.26E-08	2.27E-10	-1.24E-08

Appendix A4.3: Combined Scenario

Mainline - No Project

			2028	2033	2048	Residential Dose							Risk by Age Group								Student		Worker		Park	
Rec#	X	Y	Conc	Conc	Conc	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30 (2033)	16<30 (2048)	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30 (2033)	16<30 (2048)	Total Risk	Dose	Risk	Dose	Risk	Dose	Risk
1	485973.6	3854937	1.19E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.17E-07	7.34E-07	6.66E-07	3.04E-07	2.87E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.22E-08	3.62E-07	3.74E-07	1.37E-07	1.87E-07	6.98E-08	3.74E-07	1.37E-07
2	486023.6	3854937	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.05E-07	7.22E-07	6.54E-07	2.98E-07	2.82E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.55E-07	2.40E-08	2.18E-08	3.55E-07	3.68E-07	1.35E-07	1.83E-07	6.86E-08	3.68E-07	1.35E-07
3	486073.6	3854937	1.15E-03	1.18E-03	1.11E-03	3.97E-07	1.20E-06	6.95E-07	7.12E-07	6.45E-07	2.94E-07	2.78E-07	0.00E+00	0.00E+00	1.28E-07	2.42E-08	1.53E-07	2.36E-08	2.15E-08	3.50E-07	3.62E-07	1.33E-07	1.81E-07	6.76E-08	3.62E-07	1.33E-07
4	486123.6	3854937	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.17E-06	6.80E-07	6.96E-07	6.31E-07	2.88E-07	2.72E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.50E-07	2.31E-08	2.10E-08	3.43E-07	3.54E-07	1.30E-07	1.77E-07	6.61E-08	3.54E-07	1.30E-07
5	486173.6	3854937	1.11E-03	1.14E-03	1.08E-03	3.85E-07	1.16E-06	6.73E-07	6.90E-07	6.25E-07	2.85E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.08E-08	3.40E-07	3.51E-07	1.29E-07	1.75E-07	6.55E-08	3.51E-07	1.29E-07
6	486223.6	3854937	1.10E-03	1.12E-03	1.06E-03	3.79E-07	1.14E-06	6.63E-07	6.79E-07	6.15E-07	2.81E-07	2.65E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.05E-08	3.34E-07	3.46E-07	1.27E-07	1.73E-07	6.45E-08	3.46E-07	1.27E-07
7	486273.6	3854937	1.08E-03	1.11E-03	1.04E-03	3.74E-07	1.13E-06	6.54E-07	6.70E-07	6.07E-07	2.77E-07	2.61E-07	0.00E+00	0.00E+00	1.20E-07	2.27E-08	1.44E-07	2.22E-08	2.02E-08	3.30E-07	3.41E-07	1.25E-07	1.70E-07	6.36E-08	3.41E-07	1.25E-07
8	486323.6	3854937	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.12E-06	6.46E-07	6.61E-07	5.99E-07	2.74E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.24E-08	1.42E-07	2.20E-08	2.00E-08	3.26E-07	3.37E-07	1.24E-07	1.68E-07	6.28E-08	3.37E-07	1.24E-07
9	485973.6	3854987	1.21E-03	1.24E-03	1.17E-03	4.20E-07	1.27E-06	7.35E-07	7.53E-07	6.82E-07	3.11E-07	2.94E-07	0.00E+00	0.00E+00	1.35E-07	2.56E-08	1.62E-07	2.50E-08	2.27E-08	3.71E-07	3.83E-07	1.41E-07	1.91E-07	7.15E-08	3.83E-07	1.41E-07
10	486023.6	3854987	1.20E-03	1.22E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.41E-07	6.72E-07	3.06E-07	2.89E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.60E-07	2.46E-08	2.24E-08	3.65E-07	3.77E-07	1.38E-07	1.88E-07	7.04E-08	3.77E-07	1.38E-07
11	486073.6	3854987	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	7.27E-07	6.59E-07	3.01E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.20E-08	3.58E-07	3.70E-07	1.36E-07	1.85E-07	6.91E-08	3.70E-07	1.36E-07
12	486123.6	3854987	1.15E-03	1.18E-03	1.12E-03	4.00E-07	1.21E-06	6.98E-07	7.15E-07	6.48E-07	2.96E-07	2.79E-07	0.00E+00	0.00E+00	1.28E-07	2.43E-08	1.54E-07	2.38E-08	2.16E-08	3.52E-07	3.64E-07	1.34E-07	1.82E-07	6.79E-08	3.64E-07	1.34E-07
13	486173.6	3854987	1.14E-03	1.17E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	7.06E-07	6.40E-07	2.92E-07	2.75E-07	0.00E+00	0.00E+00	1.27E-07	2.40E-08	1.52E-07	2.35E-08	2.13E-08	3.48E-07	3.60E-07	1.32E-07	1.79E-07	6.71E-08	3.60E-07	1.32E-07
14	486223.6	3854987	1.12E-03	1.15E-03	1.08E-03	3.88E-07	1.17E-06	6.78E-07	6.94E-07	6.29E-07	2.87E-07	2.71E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.50E-07	2.31E-08	2.10E-08	3.42E-07	3.54E-07	1.30E-07	1.76E-07	6.59E-08	3.54E-07	1.30E-07
15	486273.6	3854987	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.65E-07	6.81E-07	6.18E-07	2.82E-07	2.66E-07	0.00E+00	0.00E+00	1.22E-07	2.31E-08	1.47E-07	2.26E-08	2.06E-08	3.36E-07	3.47E-07	1.27E-07	1.73E-07	6.47E-08	3.47E-07	1.27E-07
16	486323.6	3854987	1.09E-03	1.12E-03	1.06E-03	3.79E-07	1.14E-06	6.62E-07	6.78E-07	6.14E-07	2.80E-07	2.64E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.05E-08	3.34E-07	3.45E-07	1.27E-07	1.72E-07	6.44E-08	3.45E-07	1.27E-07
17	485973.6	3855037	1.25E-03	1.28E-03	1.20E-03	4.31E-07	1.30E-06	7.54E-07	7.72E-07	7.00E-07	3.19E-07	3.01E-07	0.00E+00	0.00E+00	1.39E-07	2.62E-08	1.66E-07	2.56E-08	2.33E-08	3.80E-07	3.93E-07	1.44E-07	1.96E-07	7.33E-08	3.93E-07	1.44E-07
18	486023.6	3855037	1.22E-03	1.25E-03	1.18E-03	4.24E-07	1.28E-06	7.41E-07	7.59E-07	6.88E-07	3.14E-07	2.96E-07	0.00E+00	0.00E+00	1.36E-07	2.58E-08	1.64E-07	2.52E-08	2.29E-08	3.74E-07	3.87E-07	1.42E-07	1.93E-07	7.21E-08	3.87E-07	1.42E-07
19	486073.6	3855037	1.20E-03	1.23E-03	1.16E-03	4.15E-07	1.25E-06	7.26E-07	7.44E-07	6.74E-07	3.08E-07	2.90E-07	0.00E+00	0.00E+00	1.34E-07	2.52E-08	1.60E-07	2.47E-08	2.25E-08	3.66E-07	3.79E-07	1.39E-07	1.89E-07	7.06E-08	3.79E-07	1.39E-07
20	486123.6	3855037	1.18E-03	1.21E-03	1.14E-03	4.08E-07	1.23E-06	7.14E-07	7.31E-07	6.62E-07	3.02E-07	2.85E-07	0.00E+00	0.00E+00	1.31E-07	2.48E-08	1.57E-07	2.43E-08	2.21E-08	3.60E-07	3.72E-07	1.37E-07	1.86E-07	6.94E-08	3.72E-07	1.37E-07
21	486173.6	3855037	1.17E-03	1.19E-03	1.13E-03	4.04E-07	1.22E-06	7.05E-07	7.23E-07	6.55E-07	2.99E-07	2.82E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.56E-07	2.40E-08	2.18E-08	3.56E-07	3.68E-07	1.35E-07	1.84E-07	6.86E-08	3.68E-07	1.35E-07
22	486223.6	3855037	1.14E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.92E-07	7.09E-07	6.43E-07	2.93E-07	2.77E-07	0.00E+00	0.00E+00	1.27E-07	2.41E-08	1.53E-07	2.35E-08	2.14E-08	3.49E-07	3.61E-07	1.32E-07	1.80E-07	6.73E-08	3.61E-07	1.32E-07
23	486273.6	3855037	1.13E-03	1.16E-03	1.09E-03	3.92E-07	1.18E-06	6.85E-07	7.02E-07	6.36E-07	2.90E-07	2.74E-07	0.00E+00	0.00E+00	1.26E-07	2.38E-08	1.51E-07	2.33E-08	2.12E-08	3.45E-07	3.57E-07	1.31E-07	1.78E-07	6.66E-08	3.57E-07	1.31E-07
24	486323.6	3855037	1.11E-03	1.14E-03	1.08E-03	3.86E-07	1.16E-06	6.74E-07	6.91E-07	6.26E-07	2.86E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.09E-08	3.40E-07	3.52E-07	1.29E-07	1.76E-07	6.56E-08	3.52E-07	1.29E-07
25	485973.6	3855087	1.28E-03	1.31E-03	1.23E-03	4.42E-07	1.33E-06	7.72E-07	7.91E-07	7.17E-07	3.27E-07	3.09E-07	0.00E+00	0.00E+00	1.42E-07	2.69E-08	1.70E-07	2.63E-08	2.39E-08	3.90E-07	4.03E-07	1.48E-07	2.01E-07	7.52E-08	4.03E-07	1.48E-07
26	486023.6	3855087	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.79E-07	7.06E-07	3.22E-07	3.04E-07	0.00E+00	0.00E+00	1.40E-07	2.65E-08	1.68E-07	2.59E-08	2.35E-08	3.84E-07	3.97E-07	1.46E-07	1.98E-07	7.40E-08	3.97E-07	1.46E-07
27	486073.6	3855087	1.23E-03	1.26E-03	1.19E-03	4.26E-07	1.29E-06	7.45E-07	7.63E-07	6.91E-07	3.16E-07	2.98E-07	0.00E+00	0.00E+00	1.37E-07	2.59E-08	1.64E-07	2.53E-08	2.30E-08	3.76E-07	3.88E-07	1.42E-07	1.94E-07	7.25E-08	3.88E-07	1.42E-07
28	486123.6	3855087	1.21E-03	1.24E-03	1.17E-03	4.20E-07	1.27E-06	7.34E-07	7.52E-07	6.82E-07	3.11E-07	2.93E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.50E-08	2.27E-08	3.70E-07	3.83E-07	1.40E-07	1.91E-07	7.14E-08	3.83E-07	1.40E-07
29	486173.6	3855087	1.19E-03	1.22E-03	1.15E-03	4.12E-07	1.24E-06	7.20E-07	7.37E-07	6.68E-07	3.05E-07	2.88E-07	0.00E+00	0.00E+00	1.32E-07	2.50E-08	1.59E-07	2.45E-08	2.23E-08	3.63E-07	3.75E-07	1.38E-07	1.87E-07	7.00E-08	3.75E-07	1.38E-07
30	486223.6	3855087	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	7.27E-07	6.59E-07	3.01E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.20E-08	3.58E-07	3.70E-07	1.36E-07	1.85E-07	6.91E-08	3.70E-07	1.36E-07
31	485973.6	3855137	1.32E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.96E-07	8.15E-07	7.39E-07	3.37E-07	3.18E-07	0.00E+00	0.00E+00	1.46E-07	2.77E-08	1.76E-07	2.71E-08	2.46E-08	4.01E-07	4.15E-07	1.52E-07	2.07E-07	7.74E-08	4.15E-07	1.52E-07
32	486023.6	3855137	1.29E-03	1.32E-03	1.25E-03	4.47E-07	1.35E-06	7.80E-07	7.99E-07	7.25E-07	3.31E-07	3.12E-07	0.00E+00	0.00E+00	1.44E-07	2.71E-08	1.72E-07	2.66E-08	2.42E-08	3.94E-07	4.07E-07	1.49E-07	2.03E-07	7.59E-08	4.07E-07	1.49E-07
33	486073.6	3855137	1.26E-03	1.30E-03	1.22E-03	4.38E-07	1.32E-06	7.65E-07	7.84E-07	7.11E-07	3.24E-07	3.06E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.60E-08	2.37E-08	3.86E-07	3.99E-07	1.46E-07	1.99E-07	7.45E-08	3.99E-07	1.46E-07
34	486123.6	3855137	1.24E-03	1.27E-03	1.20E-03	4.31E-07	1.30E-06	7.53E-07	7.71E-07	6.99E-07	3.19E-07	3.01E-07	0.00E+00	0.00E+00	1.38E-07	2.62E-08	1.66E-07	2.56E-08	2.33E-08	3.80E-07	3.93E-07	1.44E-07	1.96E-07	7.32E-08	3.93E-07	1.44E-07
35	486173.6	3855137	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.57E-07	6.87E-07	3.13E-07	2.95E-07	0.00E+00	0.00E+00	1.36E-07	2.57E-08	1.63E-07	2.52E-08	2.29E-08	3.73E-07	3.86E-07	1.41E-07	1.93E-07	7.19E-08	3.86E-07	1.41E-07
36	486223.6	3855137	1.20E-03	1.23E-03	1.16E-03	4.16E-07	1.26E-06	7.27E-07	7.45E-07	6.75E-07	3.08E-07	2.90E-07	0.00E+00	0.00E+00	1.34E-07	2.53E-08	1.60E-07	2.47E-08	2.25E-08	3.67E-07	3.79E-07	1.39E-07	1.89E-07	7.07E-08	3.79E-07	1.39E-07
37	485973.6	3855187	1.35E-03	1.39E-03	1.31E-03	4.68E-07	1.41E-06	8.19E-07	8.39E-07	7.60E-07	3.47E-07	3.27E-07	0.00E+00	0.00E+00	1.51E-07	2.85E-08	1.81E-07	2.79E-08	2.53E-08	4.13E-07	4.27E-07	1.57E-07	2.13E-07	7.97E-08	4.27E-07	1.57E-07
38	486023.6	3855187	1.33E-03	1.36E-03	1.28E-03	4.60E-07	1.39E-06	8.04E-07	8.23E-07	7.46E-07	3.40E-07	3.21E-07	0.00E+00	0.00E+00	1.48E-07	2.79E-08	1.77E-07	2.73E-08	2.49E-08	4.05E-07	4.19E-07	1.54E-07	2.09E-07	7.82E-08	4.19E-07	1.54E-07
39	486073.6	3855187	1.30E-03	1.33E-03	1.25E-03	4.50E-07	1.36E-06	7.86E-07	8.05E-07	7.30E-07	3.33E-07	3.14E-07	0.00E+00	0.00E+00	1.45E-07	2.73E-08	1.73E-07	2.67E-08	2.43E-08	3.96E-07	4.10E-07	1.50E-07	2.05E-07	7.65E-08	4.10E-07	1.50E-07
40	486123.6	3855187	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.69E-07	7.88E-07	7.14E-07	3.26E-07	3.07E-07	0.00E+00	0.00E+00	1.41E-07	2.67E-08	1.70E-07	2.62E-08	2.38E-08	3.88E-07	4.01E-07	1.47E-07	2.00E-07	7.48E-08	4.01E-07	1.47E-07
41	486173.6	3855187	1.25E-03	1.28E-03	1.21E-03	4.32E-07	1.31E-06	7.55E-07	7.74E-07	7.01E-07	3.20E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.63E-08	1.67E-07	2.57E-08	2.34E-08	3.81E-07	3.94E-07	1.45E-07	1.97E-07	7.35E-08	3.94E-07	1.45E-07
42	486223.6	3855187	1.23E-03	1.26E-03	1.19E-03	4.25E-07	1.28E-06	7.43E-07	7.61E-07	6.90E-07	3.15E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.58E-08	1.64E-07	2.53E-08	2.30E-08	3.75E-07	3.88E-07	1.42E-07	1.93E-07	7.23E-08	3.88E-07	1.42E-07
43	486273.6	3855187	1.21E-03	1.23E-03	1.16E-03	4.17E-07	1.26E-06	7.30E-07	7.47E-07	6.77E-07	3.09E-07	2.92E-07	0.00E+00	0.00E+00	1.34E-07	2.54E-08	1.61E-07	2.48E-08	2.26E-08	3.68E-07	3.81E-07	1.40E-07	1.90E-07	7.10E-08	3.81E-07	1.40E-07
44	486323.6	3855187	1.20E-03	1.23E-03	1.16E-03	4.15E-07	1.25E-06	7.26E-07	7.44E-07	6.74E-07	3.08E-07	2.90E-07	0.00E+00	0.00E+00	1.34E-07	2.52E-08	1.60E-07	2.47E-08	2.25E-08	3.66E-07	3.79E-07	1.39E-07	1.89E-07	7.06E-08	3.79E-07	1.39E-07
45	485973.6	3855237	1.39E-03	1.43E-03	1.34E-03	4.82E-07	1.45E-06	8.42E-07	8.63E-07	7.82E-07	3.57E-07	3.37E-07	0.00E+00	0.00E+00	1.55E-07	2.93E-08	1.86E-07	2.86E-08	2.61E-08	4.25E-07	4.39E-07	1.61E-07	2.19E-07	8.19E-08	4.39E-07	1.61E-07
46	486023.6	3855237	1.36E-03	1.39E-03	1.31E-03	4.71E-07	1.42E-06	8.23E-07	8.43E-07	7.64E-07	3.49E-07	3.29E-07	0.00E+00	0.00E+00	1.51E-07	2.86E-08	1.82E-07	2.80E-08	2.55E-08	4.15E-07	4.29E-07	1.58E-07	2.14E-07	8.01E-08	4.29E-07	1.58E-07
47	486073.6	3855237	1.33E-03	1.36E-03	1.28E-03	4.60E-07	1.39E-06	8.04E-07	8.23E-07	7.46E-07	3.40E-07	3.21E-07	0.00E+00	0.00E+00	1.48E-07	2.79E-08	1.77E-07	2.73E-08	2.49E-08	4.05E-07	4.19E-07	1.54E-07	2.09E-07	7.82E-08	4.19E-07	1.54E-07
48	486123.6	3855237	1.30E-03	1.33E-03	1.26E-03	4.51E-07	1.36E-06	7.89E-07	8.08E-07	7.32E-07	3.34E-07	3.15E-07	0.00E+00	0.00E+00	1.45E-07	2.74E-08	1.74E-07	2.68E-08	2.44E-08	3.98E-07	4.11E-07	1.51E-07	2.05E-07	7.67E-08	4.11E-07	1.51E-07
49	486173.6	3855237	1.28E-03	1.31E-03	1.24E-03	4.43E-07	1.34E-06	7.74E-07	7.93E-07	7.19E-07	3.28E-07	3.09E-07	0.00E+00	0.00E+00	1.42E-07	2.69E-08	1.71E-07	2.63E-08	2.40E-08	3.90E-07	4.04E-07	1.48E-07	2.02E-07	7.53E-08	4.04E-07	1.48E-07
50	486223.6	3855237	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.60E-07	7.78E-07	7.06E-07	3.22E-07	3.04E-07	0.00E+00	0.00E+00	1.40E-07	2.64E-08	1.68E-07	2.59E-08	2.35E-08	3.83E-07	3.96E-07	1.45E-07	1.98E-07	7.39E-08	3.96E-07	1.45E-07
51	486273.6	3855237	1.23E-03	1.26E-03	1.18E-03	4.25E-07	1.28E-06	7.42E-07	7.60E-07	6.89E-07	3.14E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.58E-08	1.64E-07	2.52E-08	2.30E-08	3.74E-07	3.87E-07	1.42E-07	1.93E-07	7.22E-08	3.87E-07	1.42E-07
52	486323.6	3855237	1.23E-03	1.26E-03	1.19E-03	4.25E-07	1.28E-06	7.43E-07	7.61E-07	6.90E-07	3.15E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.58E-08	1.64E-07	2.53E-08	2.30E-08	3.75E-07	3.88E-07	1.42E-07	1.93E-07	7.23E-08	3.88E-07	1.42E-07
53	485973.6	3855287	1.43E-03	1.47E-03	1.38E-03	4.96E-07	1.50E-06	8.66E-07	8.87E-07	8.04E-07	3.67E-07	3.46E-07	0.00E+00	0.00E+00	1.59E-07	3.01E-08	1.91E-07	2.95E-08	2.68E-08	4.37E-07	4.52E-07	1.66E-07	2.26E-07	8.43E-08	4.52E-07	1.66E-07
54	486023.6	3855287	1.40E-03	1.43E-03	1.35E-03	4.83E-07	1.46E-06	8.45E-07	8.65E-07	7.84E-07	3.58E-07	3.38E-07	0.00E+00	0.00E+00	1.55E-07	2.94E-08	1.86E-07	2.87E-08	2.61E-08	4.26E-07	4.41E-07	1.62E-07	2.20E-07	8.22E-08	4.41E-07	1.62E-07
55	486073.6	3855287	1.37E-03	1.40E-03	1.32E-03	4.73E-07	1.43E-06	8.26E-07	8.46E-07	7.67E-07	3.50E-07	3.30E-07	0.00E+00	0.00E+00	1.52E-07	2.87E-08	1.82E-07	2.81E-08	2.56E-08	4.17E-07	4.31E-07	1.58E-07	2.15E-07	8.04E-08	4.31E-07	1.58E-07
56	486123.6	3855287	1.33E-03	1.37E-03	1.29E-03	4.62E-07	1.39E-06	8.07E-07	8.27E-07	7.50E-07	3.42E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.78E-07	2.75E-08	2.50E-08	4.07E-07	4.21E-07	1.54E-07	2.10E-07	7.85E-08	4.21E-07	1.54E-07
57	486173.6	3855287	1.31E-03	1.34E-03	1.26E-03	4.53E-07	1.37E-06	7.91E-07	8.10E-07	7.35E-07	3.35E-07	3.16E-07	0.00E+00	0.00E+00	1.46E-07	2.75E-08	1.75E-07	2.69E-08	2.45E-08	3.99E-07	4.13E-07	1.51E-07	2.06E-07	7.70E-08	4.13E-07	1.51E-07
58	486223.6	3855287	1.29E-03	1.32E-03	1.24E-03	4.45E-07	1.34E-06	7.78E-07	7.97E-07	7.22E-07	3.30E-07	3.11E-07	0.00E+00	0.00E+00	1.43E-07	2.70E-08	1.72E-07	2.65E-08	2.41E-08	3.92E-07	4.06E-07	1.49E-07	2.03E-07	7.57E-08	4.06E-07	1.49E-07
59	486123.6	3855337	1.37E-03	1.40E-03	1.32E-03	4.73E-07	1.43E-06	8.27E-07	8.47E-07	7.68E-07	3.50E-07	3.30E-07	0.00E+00	0.00E+00	1.52E-07	2.87E-08	1.82E-07	2.81E-08	2.56E-08	4.17E-07	4.31E-07	1.58E-07	2.15E-07	8.05E-08	4.31E-07	1.58E-07
60	486173.6	3855337	1.34E-03	1.37E-03	1.30E-03	4.64E-07	1.40E-06	8.12E-07	8.31E-07	7.54E-07	3.44E-07	3.24E-07	0.00E+00	0.00E+00	1.49E-07	2.82E-08	1.79E-07	2.76E-08	2.51E-08	4.09E-07	4.23E-07	1.55E-07	2.11E-07	7.90E-08	4.23E-07	1.55E-07
61	486223.6	3855337	1.32E-03	1.35E-03	1.27E-03	4.56E-07	1.38E-06	7.97E-07	8.16E-07	7.40E-07	3.37E-07	3.18E-07	0.00E+00	0.00E+00	1.47E-07	2.77E-08	1.76E-07	2.71E-08	2.46E-08	4.02E-07	4.16E-07	1.52E-07	2.07E-07	7.75E-08	4.16E-07	1.52E-07
62	486123.6	3855387	1.40E-03	1.44E-03	1.36E-03	4.86E-07	1.47E-06	8.49E-07	8.70E-07	7.88E-07	3.60E-07	3.39E-07	0.00E+00	0.00E+00	1.56E-07	2.95E-08	1.87E-07	2.89E-08	2.63E-08	4.28E-07	4.43E-07	1.62E-07	2.21E-07	8.26E-08	4.43E-07	1.62E-07
63	486173.6	3855387	1.38E-03	1.41E-03	1.33E-03	4.76E-07	1.44E-06	8.32E-07	8.52E-07	7.73E-07	3.53E-07	3.33E-07	0.00E+00	0.00E+00	1.53E-07	2.89E-08	1.84E-07	2.83E-08	2.58E-08	4.20E-07	4.34E-07	1.59E-07	2.17E-07	8.10E-08	4.34E-07	1.59E-07
64	486223.6	3855387	1.35E-03	1.38E-03	1.30E-03	4.67E-07	1.41E-06	8.17E-07	8.37E-07	7.59E-07	3.46E-07	3.27E-07	0.00E+00	0.00E+00	1.50E-07	2.84E-08	1.80E-07	2.78E-08	2.53E-08	4.12E-07	4.26E-07	1.56E-07	2.13E-07	7.95E-08	4.26E-07	1.56E-07
65	486533.2	3855443	1.26E-03	1.29E-03	1.22E-03	4.36E-07	1.32E-06	7.63E-07	7.81E-07	7.08E-07	3.23E-07	3.05E-07	0.00E+00	0.00E+00	1.40E-07	2.65E-08	1.68E-07	2.59E-08	2.36E-08	3.85E-07	3.98E-07	1.46E-07	1.99E-07	7.42E-08	3.98E-07	1.46E-07
66	486583.2	3855443	1.24E-03	1.27E-03	1.20E-03	4.29E-07	1.30E-06	7.50E-07	7.68E-07	6.96E-07	3.18E-07	3.00E-07	0.00E+00	0.00E+00	1.38E-07	2.61E-08	1.65E-07	2.55E-08	2.32E-08	3.78E-07	3.91E-07	1.44E-07	1.95E-07	7.30E-08	3.91E-07	1.44E-07
67	486633.2	3855443	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.56E-07	6.86E-07	3.13E-07	2.95E-07	0.00E+00	0.00E+00	1.36E-07	2.57E-08	1.63E-07	2.51E-08	2.29E-08	3.72E-07	3.85E-07	1.41E-07	1.92E-07	7.19E-08	3.85E-07	1.41E-07

68	486683.2	3855443	1.21E-03	1.23E-03	1.16E-03	4.17E-07	1.26E-06	7.30E-07	7.47E-07	6.77E-07	3.09E-07	2.92E-07	0.00E+00	0.00E+00	1.34E-07	2.54E-08	1.61E-07	2.48E-08	2.26E-08	3.68E-07	3.81E-07	1.40E-07	1.90E-07	7.10E-08	3.81E-07	1.40E-07
69	486533.2	3855493	1.29E-03	1.32E-03	1.24E-03	4.46E-07	1.35E-06	7.80E-07	7.98E-07	7.24E-07	3.30E-07	3.12E-07	0.00E+00	0.00E+00	1.43E-07	2.71E-08	1.72E-07	2.65E-08	2.41E-08	3.93E-07	4.07E-07	1.49E-07	2.03E-07	7.58E-08	4.07E-07	1.49E-07
70	486583.2	3855493	1.27E-03	1.30E-03	1.22E-03	4.39E-07	1.33E-06	7.67E-07	7.86E-07	7.12E-07	3.25E-07	3.07E-07	0.00E+00	0.00E+00	1.41E-07	2.67E-08	1.69E-07	2.61E-08	2.37E-08	3.87E-07	4.00E-07	1.47E-07	2.00E-07	7.46E-08	4.00E-07	1.47E-07
71	486633.2	3855493	1.25E-03	1.28E-03	1.21E-03	4.32E-07	1.31E-06	7.55E-07	7.74E-07	7.01E-07	3.20E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.63E-08	1.67E-07	2.57E-08	2.34E-08	3.81E-07	3.94E-07	1.45E-07	1.97E-07	7.35E-08	3.94E-07	1.45E-07
72	486683.2	3855493	1.23E-03	1.26E-03	1.19E-03	4.26E-07	1.28E-06	7.44E-07	7.62E-07	6.91E-07	3.15E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.59E-08	1.64E-07	2.53E-08	2.30E-08	3.75E-07	3.88E-07	1.42E-07	1.94E-07	7.24E-08	3.88E-07	1.42E-07
73	486533.2	3855543	1.32E-03	1.35E-03	1.27E-03	4.57E-07	1.38E-06	7.98E-07	8.18E-07	7.41E-07	3.38E-07	3.19E-07	0.00E+00	0.00E+00	1.47E-07	2.78E-08	1.76E-07	2.72E-08	2.47E-08	4.03E-07	4.16E-07	1.53E-07	2.08E-07	7.77E-08	4.16E-07	1.53E-07
74	486583.2	3855543	1.29E-03	1.32E-03	1.25E-03	4.48E-07	1.35E-06	7.82E-07	8.01E-07	7.26E-07	3.31E-07	3.13E-07	0.00E+00	0.00E+00	1.44E-07	2.72E-08	1.73E-07	2.66E-08	2.42E-08	3.94E-07	4.08E-07	1.50E-07	2.04E-07	7.61E-08	4.08E-07	1.50E-07
75	486633.2	3855543	1.27E-03	1.30E-03	1.23E-03	4.41E-07	1.33E-06	7.71E-07	7.89E-07	7.16E-07	3.26E-07	3.08E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.38E-08	3.89E-07	4.02E-07	1.47E-07	2.01E-07	7.50E-08	4.02E-07	1.47E-07
76	486683.2	3855543	1.25E-03	1.28E-03	1.21E-03	4.33E-07	1.31E-06	7.56E-07	7.75E-07	7.02E-07	3.20E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.63E-08	1.67E-07	2.57E-08	2.34E-08	3.81E-07	3.95E-07	1.45E-07	1.97E-07	7.36E-08	3.95E-07	1.45E-07
77	486533.2	3855593	1.35E-03	1.38E-03	1.30E-03	4.66E-07	1.41E-06	8.15E-07	8.35E-07	7.57E-07	3.45E-07	3.26E-07	0.00E+00	0.00E+00	1.50E-07	2.83E-08	1.80E-07	2.77E-08	2.52E-08	4.11E-07	4.25E-07	1.56E-07	2.12E-07	7.93E-08	4.25E-07	1.56E-07
78	486583.2	3855593	1.32E-03	1.36E-03	1.28E-03	4.58E-07	1.38E-06	8.01E-07	8.20E-07	7.44E-07	3.39E-07	3.20E-07	0.00E+00	0.00E+00	1.47E-07	2.78E-08	1.77E-07	2.73E-08	2.48E-08	4.04E-07	4.18E-07	1.53E-07	2.09E-07	7.79E-08	4.18E-07	1.53E-07
79	486633.2	3855593	1.30E-03	1.33E-03	1.26E-03	4.51E-07	1.36E-06	7.88E-07	8.07E-07	7.31E-07	3.34E-07	3.15E-07	0.00E+00	0.00E+00	1.45E-07	2.74E-08	1.74E-07	2.68E-08	2.44E-08	3.97E-07	4.11E-07	1.51E-07	2.05E-07	7.66E-08	4.11E-07	1.51E-07
80	486683.2	3855593	1.28E-03	1.31E-03	1.24E-03	4.44E-07	1.34E-06	7.76E-07	7.95E-07	7.21E-07	3.29E-07	3.10E-07	0.00E+00	0.00E+00	1.43E-07	2.70E-08	1.71E-07	2.64E-08	2.40E-08	3.91E-07	4.05E-07	1.48E-07	2.02E-07	7.55E-08	4.05E-07	1.48E-07
81	486533.2	3855643	1.38E-03	1.41E-03	1.33E-03	4.78E-07	1.44E-06	8.35E-07	8.55E-07	7.75E-07	3.54E-07	3.34E-07	0.00E+00	0.00E+00	1.54E-07	2.90E-08	1.84E-07	2.84E-08	2.58E-08	4.21E-07	4.36E-07	1.60E-07	2.17E-07	8.12E-08	4.36E-07	1.60E-07
82	486583.2	3855643	1.35E-03	1.39E-03	1.31E-03	4.69E-07	1.42E-06	8.20E-07	8.40E-07	7.61E-07	3.47E-07	3.28E-07	0.00E+00	0.00E+00	1.51E-07	2.85E-08	1.81E-07	2.79E-08	2.54E-08	4.13E-07	4.28E-07	1.57E-07	2.13E-07	7.98E-08	4.28E-07	1.57E-07
83	486633.2	3855643	1.33E-03	1.36E-03	1.29E-03	4.61E-07	1.39E-06	8.05E-07	8.25E-07	7.48E-07	3.41E-07	3.22E-07	0.00E+00	0.00E+00	1.48E-07	2.80E-08	1.78E-07	2.74E-08	2.49E-08	4.06E-07	4.20E-07	1.54E-07	2.10E-07	7.84E-08	4.20E-07	1.54E-07
84	486683.2	3855643	1.31E-03	1.34E-03	1.26E-03	4.53E-07	1.37E-06	7.92E-07	8.11E-07	7.35E-07	3.36E-07	3.17E-07	0.00E+00	0.00E+00	1.46E-07	2.75E-08	1.75E-07	2.69E-08	2.45E-08	3.99E-07	4.13E-07	1.52E-07	2.06E-07	7.71E-08	4.13E-07	1.52E-07
85	486533.2	3855693	1.42E-03	1.45E-03	1.37E-03	4.90E-07	1.48E-06	8.57E-07	8.78E-07	7.96E-07	3.63E-07	3.43E-07	0.00E+00	0.00E+00	1.58E-07	2.98E-08	1.89E-07	2.92E-08	2.65E-08	4.32E-07	4.47E-07	1.64E-07	2.23E-07	8.34E-08	4.47E-07	1.64E-07
86	486583.2	3855693	1.38E-03	1.42E-03	1.34E-03	4.79E-07	1.45E-06	8.38E-07	8.58E-07	7.78E-07	3.55E-07	3.35E-07	0.00E+00	0.00E+00	1.54E-07	2.91E-08	1.85E-07	2.85E-08	2.59E-08	4.22E-07	4.37E-07	1.60E-07	2.18E-07	8.15E-08	4.37E-07	1.60E-07
87	486633.2	3855693	1.35E-03	1.39E-03	1.31E-03	4.68E-07	1.41E-06	8.19E-07	8.39E-07	7.60E-07	3.47E-07	3.27E-07	0.00E+00	0.00E+00	1.51E-07	2.85E-08	1.81E-07	2.79E-08	2.53E-08	4.13E-07	4.27E-07	1.57E-07	2.13E-07	7.97E-08	4.27E-07	1.57E-07
88	486683.2	3855693	1.34E-03	1.37E-03	1.29E-03	4.63E-07	1.40E-06	8.09E-07	8.29E-07	7.51E-07	3.43E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.78E-07	2.75E-08	2.50E-08	4.08E-07	4.22E-07	1.55E-07	2.11E-07	7.87E-08	4.22E-07	1.55E-07
89	486733.2	3855693	1.33E-03	1.36E-03	1.28E-03	4.59E-07	1.39E-06	8.03E-07	8.22E-07	7.45E-07	3.40E-07	3.21E-07	0.00E+00	0.00E+00	1.48E-07	2.79E-08	1.77E-07	2.73E-08	2.48E-08	4.05E-07	4.19E-07	1.54E-07	2.09E-07	7.81E-08	4.19E-07	1.54E-07
90	486783.2	3855693	1.32E-03	1.35E-03	1.27E-03	4.57E-07	1.38E-06	7.98E-07	8.18E-07	7.41E-07	3.38E-07	3.19E-07	0.00E+00	0.00E+00	1.47E-07	2.78E-08	1.76E-07	2.72E-08	2.47E-08	4.03E-07	4.16E-07	1.53E-07	2.08E-07	7.77E-08	4.16E-07	1.53E-07
91	486533.2	3855743	1.45E-03	1.49E-03	1.40E-03	5.02E-07	1.52E-06	8.78E-07	8.99E-07	8.15E-07	3.72E-07	3.51E-07	0.00E+00	0.00E+00	1.61E-07	3.05E-08	1.94E-07	2.99E-08	2.72E-08	4.43E-07	4.58E-07	1.68E-07	2.29E-07	8.54E-08	4.58E-07	1.68E-07
92	486583.2	3855743	1.41E-03	1.45E-03	1.36E-03	4.89E-07	1.48E-06	8.55E-07	8.75E-07	7.93E-07	3.62E-07	3.42E-07	0.00E+00	0.00E+00	1.57E-07	2.97E-08	1.89E-07	2.91E-08	2.64E-08	4.31E-07	4.46E-07	1.63E-07	2.23E-07	8.31E-08	4.46E-07	1.63E-07
93	486633.2	3855743	1.38E-03	1.42E-03	1.34E-03	4.79E-07	1.45E-06	8.38E-07	8.58E-07	7.78E-07	3.55E-07	3.35E-07	0.00E+00	0.00E+00	1.54E-07	2.91E-08	1.85E-07	2.85E-08	2.59E-08	4.22E-07	4.37E-07	1.60E-07	2.18E-07	8.15E-08	4.37E-07	1.60E-07
94	486683.2	3855743	1.37E-03	1.40E-03	1.32E-03	4.75E-07	1.43E-06	8.30E-07	8.50E-07	7.70E-07	3.51E-07	3.32E-07	0.00E+00	0.00E+00	1.53E-07	2.88E-08	1.83E-07	2.82E-08	2.57E-08	4.18E-07	4.33E-07	1.59E-07	2.16E-07	8.07E-08	4.33E-07	1.59E-07
95	486733.2	3855743	1.35E-03	1.39E-03	1.31E-03	4.68E-07	1.41E-06	8.19E-07	8.39E-07	7.60E-07	3.47E-07	3.27E-07	0.00E+00	0.00E+00	1.51E-07	2.85E-08	1.81E-07	2.79E-08	2.53E-08	4.13E-07	4.27E-07	1.57E-07	2.13E-07	7.97E-08	4.27E-07	1.57E-07
96	486783.2	3855743	1.35E-03	1.38E-03	1.30E-03	4.67E-07	1.41E-06	8.16E-07	8.36E-07	7.58E-07	3.46E-07	3.26E-07	0.00E+00	0.00E+00	1.50E-07	2.84E-08	1.80E-07	2.78E-08	2.53E-08	4.12E-07	4.26E-07	1.56E-07	2.13E-07	7.94E-08	4.26E-07	1.56E-07
97	486533.2	3855793	1.49E-03	1.52E-03	1.44E-03	5.15E-07	1.55E-06	9.00E-07	9.22E-07	8.36E-07	3.81E-07	3.60E-07	0.00E+00	0.00E+00	1.66E-07	3.13E-08	1.99E-07	3.06E-08	2.79E-08	4.54E-07	4.70E-07	1.72E-07	2.34E-07	8.76E-08	4.70E-07	1.72E-07
98	486583.2	3855793	1.44E-03	1.47E-03	1.39E-03	4.98E-07	1.50E-06	8.71E-07	8.92E-07	8.08E-07	3.69E-07	3.48E-07	0.00E+00	0.00E+00	1.60E-07	3.03E-08	1.92E-07	2.96E-08	2.69E-08	4.39E-07	4.54E-07	1.67E-07	2.27E-07	8.47E-08	4.54E-07	1.67E-07
99	486633.2	3855793	1.42E-03	1.46E-03	1.37E-03	4.93E-07	1.49E-06	8.61E-07	8.82E-07	7.99E-07	3.65E-07	3.44E-07	0.00E+00	0.00E+00	1.58E-07	2.99E-08	1.90E-07	2.93E-08	2.66E-08	4.34E-07	4.49E-07	1.65E-07	2.24E-07	8.38E-08	4.49E-07	1.65E-07
100	486683.2	3855793	1.41E-03	1.44E-03	1.36E-03	4.88E-07	1.47E-06	8.53E-07	8.73E-07	7.92E-07	3.61E-07	3.41E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.90E-08	2.64E-08	4.30E-07	4.45E-07	1.63E-07	2.22E-07	8.30E-08	4.45E-07	1.63E-07
101	486733.2	3855793	1.39E-03	1.43E-03	1.34E-03	4.82E-07	1.45E-06	8.42E-07	8.63E-07	7.82E-07	3.57E-07	3.37E-07	0.00E+00	0.00E+00	1.55E-07	2.93E-08	1.86E-07	2.86E-08	2.61E-08	4.25E-07	4.39E-07	1.61E-07	2.19E-07	8.19E-08	4.39E-07	1.61E-07
102	486783.2	3855793	1.38E-03	1.41E-03	1.33E-03	4.77E-07	1.44E-06	8.34E-07	8.54E-07	7.74E-07	3.53E-07	3.33E-07	0.00E+00	0.00E+00	1.53E-07	2.90E-08	1.84E-07	2.84E-08	2.58E-08	4.21E-07	4.35E-07	1.60E-07	2.17E-07	8.11E-08	4.35E-07	1.60E-07
103	486533.2	3855843	1.52E-03	1.56E-03	1.47E-03	5.26E-07	1.59E-06	9.19E-07	9.41E-07	8.53E-07	3.89E-07	3.67E-07	0.00E+00	0.00E+00	1.69E-07	3.19E-08	2.03E-07	3.13E-08	2.84E-08	4.63E-07	4.79E-07	1.76E-07	2.39E-07	8.94E-08	4.79E-07	1.76E-07
104	486583.2	3855843	1.48E-03	1.51E-03	1.43E-03	5.11E-07	1.54E-06	8.94E-07	9.16E-07	8.30E-07	3.79E-07	3.57E-07	0.00E+00	0.00E+00	1.64E-07	3.11E-08	1.97E-07	3.04E-08	2.77E-08	4.51E-07	4.66E-07	1.71E-07	2.33E-07	8.70E-08	4.66E-07	1.71E-07
105	486633.2	3855843	1.46E-03	1.49E-03	1.41E-03	5.05E-07	1.53E-06	8.83E-07	9.05E-07	8.20E-07	3.74E-07	3.53E-07	0.00E+00	0.00E+00	1.62E-07	3.07E-08	1.95E-07	3.00E-08	2.73E-08	4.45E-07	4.61E-07	1.69E-07	2.30E-07	8.59E-08	4.61E-07	1.69E-07
106	486683.2	3855843	1.44E-03	1.48E-03	1.39E-03	5.00E-07	1.51E-06	8.73E-07	8.95E-07	8.11E-07	3.70E-07	3.49E-07	0.00E+00	0.00E+00	1.61E-07	3.04E-08	1.93E-07	2.97E-08	2.70E-08	4.40E-07	4.56E-07	1.67E-07	2.27E-07	8.50E-08	4.56E-07	1.67E-07
107	486733.2	3855843	1.43E-03	1.46E-03	1.38E-03	4.95E-07	1.49E-06	8.64E-07	8.85E-07	8.03E-07	3.66E-07	3.45E-07	0.00E+00	0.00E+00	1.59E-07	3.01E-08	1.91E-07	2.94E-08	2.67E-08	4.36E-07	4.51E-07	1.65E-07	2.25E-07	8.41E-08	4.51E-07	1.65E-07
108	486783.2	3855843	1.41E-03	1.45E-03	1.36E-03	4.89E-07	1.48E-06	8.55E-07	8.75E-07	7.93E-07	3.62E-07	3.42E-07	0.00E+00	0.00E+00	1.57E-07	2.97E-08	1.89E-07	2.91E-08	2.64E-08	4.31E-07	4.46E-07	1.63E-07	2.23E-07	8.31E-08	4.46E-07	1.63E-07
109	486533.2	3855893	1.54E-03	1.58E-03	1.49E-03	5.33E-07	1.61E-06	9.32E-07	9.55E-07	8.66E-07	3.95E-07	3.73E-07	0.00E+00	0.00E+00	1.72E-07	3.24E-08	2.06E-07	3.17E-08	2.88E-08	4.70E-07	4.86E-07	1.78E-07	2.43E-07	9.07E-08	4.86E-07	1.78E-07
110	486583.2	3855893	1.52E-03	1.56E-03	1.47E-03	5.26E-07	1.59E-06	9.20E-07	9.42E-07	8.54E-07	3.90E-07	3.68E-07	0.00E+00	0.00E+00	1.69E-07	3.20E-08	2.03E-07	3.13E-08	2.85E-08	4.64E-07	4.80E-07	1.76E-07	2.39E-07	8.95E-08	4.80E-07	1.76E-07
111	486633.2	3855893	1.50E-03	1.53E-03	1.45E-03	5.19E-07	1.57E-06	9.06E-07	9.28E-07	8.42E-07	3.84E-07	3.62E-07	0.00E+00	0.00E+00	1.67E-07	3.15E-08	2.00E-07	3.08E-08	2.80E-08	4.57E-07	4.73E-07	1.73E-07	2.36E-07	8.82E-08	4.73E-07	1.73E-07
112	486683.2	3855893	1.48E-03	1.52E-03	1.43E-03	5.12E-07	1.55E-06	8.96E-07	9.17E-07	8.32E-07	3.79E-07	3.58E-07	0.00E+00	0.00E+00	1.65E-07	3.11E-08	1.98E-07	3.05E-08	2.77E-08	4.52E-07	4.67E-07	1.71E-07	2.33E-07	8.71E-08	4.67E-07	1.71E-07
113	486733.2	3855893	1.46E-03	1.50E-03	1.41E-03	5.07E-07	1.53E-06	8.86E-07	9.07E-07	8.22E-07	3.75E-07	3.54E-07	0.00E+00	0.00E+00	1.63E-07	3.08E-08	1.95E-07	3.01E-08	2.74E-08	4.47E-07	4.62E-07	1.69E-07	2.31E-07	8.62E-08	4.62E-07	1.69E-07
114	486783.2	3855893	1.45E-03	1.49E-03	1.40E-03	5.02E-07	1.52E-06	8.78E-07	8.99E-07	8.15E-07	3.72E-07	3.51E-07	0.00E+00	0.00E+00	1.61E-07	3.05E-08	1.94E-07	2.99E-08	2.72E-08	4.43E-07	4.58E-07	1.68E-07	2.29E-07	8.54E-08	4.58E-07	1.68E-07
115	486533.2	3855943	1.58E-03	1.62E-03	1.53E-03	5.47E-07	1.65E-06	9.56E-07	9.80E-07	8.88E-07	4.05E-07	3.82E-07	0.00E+00	0.00E+00	1.76E-07	3.32E-08	2.11E-07	3.25E-08	2.96E-08	4.82E-07	4.99E-07	1.83E-07	2.49E-07	9.31E-08	4.99E-07	1.83E-07
116	486583.2	3855943	1.56E-03	1.60E-03	1.51E-03	5.42E-07	1.64E-06	9.47E-07	9.70E-07	8.79E-07	4.01E-07	3.78E-07	0.00E+00	0.00E+00	1.74E-07	3.29E-08	2.09E-07	3.22E-08	2.93E-08	4.77E-07	4.94E-07	1.81E-07	2.46E-07	9.21E-08	4.94E-07	1.81E-07
117	486633.2	3855943	1.54E-03	1.58E-03	1.49E-03	5.33E-07	1.61E-06	9.31E-07	9.54E-07	8.65E-07	3.95E-07	3.72E-07	0.00E+00	0.00E+00	1.71E-07	3.24E-08	2.05E-07	3.17E-08	2.88E-08	4.70E-07	4.86E-07	1.78E-07	2.42E-07	9.06E-08	4.86E-07	1.78E-07
118	486683.2	3855943	1.52E-03	1.56E-03	1.47E-03	5.27E-07	1.59E-06	9.22E-07	9.44E-07	8.56E-07	3.90E-07	3.68E-07	0.00E+00	0.00E+00	1.70E-07	3.20E-08	2.03E-07	3.14E-08	2.85E-08	4.65E-07	4.81E-07	1.76E-07	2.40E-07	8.97E-08	4.81E-07	1.76E-07
119	486733.2	3855943	1.50E-03	1.54E-03	1.45E-03	5.20E-07	1.57E-06	9.09E-07	9.31E-07	8.44E-07	3.85E-07	3.63E-07	0.00E+00	0.00E+00	1.67E-07	3.16E-08	2.01E-07	3.09E-08	2.81E-08	4.58E-07	4.74E-07	1.74E-07	2.37E-07	8.84E-08	4.74E-07	1.74E-07
120	486783.2	3855943	1.49E-03	1.52E-03	1.44E-03	5.15E-07	1.55E-06	9.00E-07	9.22E-07	8.36E-07	3.81E-07	3.60E-07	0.00E+00	0.00E+00	1.66E-07	3.13E-08	1.99E-07	3.06E-08	2.79E-08	4.54E-07	4.70E-07	1.72E-07	2.34E-07	8.76E-08	4.70E-07	1.72E-07
121	486533.2	3855993	1.63E-03	1.67E-03	1.57E-03	5.64E-07	1.70E-06	9.85E-07	1.01E-06	9.15E-07	4.17E-07	3.94E-07	0.00E+00	0.00E+00	1.81E-07	3.42E-08	2.17E-07	3.35E-08	3.05E-08	4.97E-07	5.14E-07	1.88E-07	2.56E-07	9.58E-08	5.14E-07	1.88E-07
122	486583.2	3855993	1.61E-03	1.64E-03	1.55E-03	5.56E-07	1.68E-06	9.72E-07	9.95E-07	9.02E-07	4.12E-07	3.88E-07	0.00E+00	0.00E+00	1.79E-07	3.38E-08	2.14E-07	3.31E-08	3.01E-08	4.90E-07	5.07E-07	1.86E-07	2.53E-07	9.45E-08	5.07E-07	1.86E-07
123	486633.2	3855993	1.58E-03	1.62E-03	1.53E-03	5.48E-07	1.65E-06	9.57E-07	9.80E-07	8.89E-07	4.06E-07	3.83E-07	0.00E+00	0.00E+00	1.76E-07	3.33E-08	2.11E-07	3.26E-08	2.96E-08	4.83E-07	4.99E-07	1.83E-07	2.49E-07	9.31E-08	4.99E-07	1.83E-07
124	486683.2	3855993	1.56E-03	1.60E-03	1.51E-03	5.42E-07	1.64E-06	9.47E-07	9.70E-07	8.79E-07	4.01E-07	3.78E-07	0.00E+00	0.00E+00	1.74E-07	3.29E-08	2.09E-07	3.22E-08	2.93E-08	4.77E-07	4.94E-07	1.81E-07	2.46E-07	9.21E-08	4.94E-07	1.81E-07
125	486733.2	3855993	1.54E-03	1.58E-03	1.49E-03	5.34E-07	1.61E-06	9.33E-07	9.56E-07	8.66E-07	3.95E-07	3.73E-07	0.00E+00	0.00E+00	1.72E-07	3.24E-08	2.06E-07	3.17E-08	2.89E-08	4.71E-07	4.87E-07	1.79E-07	2.43E-07	9.08E-08	4.87E-07	1.79E-07
126	486783.2	3855993	1.52E-03	1.56E-03	1.47E-03	5.28E-07	1.59E-06	9.22E-07	9.45E-07	8.56E-07	3.91E-07	3.69E-07	0.00E+00	0.00E+00	1.70E-07	3.21E-08	2.03E-07	3.14E-08	2.85E-08	4.65E-07	4.81E-07	1.76E-07	2.40E-07	8.97E-08	4.81E-07	1.76E-07
127	486533.2	3856043	1.68E-03	1.72E-03	1.62E-03	5.80E-07	1.75E-06	1.01E-06	1.04E-06	9.42E-07	4.30E-07	4.05E-07	0.00E+00	0.00E+00	1.87E-07	3.53E-08	2.24E-07	3.45E-08	3.14E-08	5.12E-07	5.29E-07	1.94E-07	2.64E-07	9.87E-08	5.29E-07	1.94E-07
128	486583.2	3856043	1.65E-03	1.69E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	1.03E-06	9.29E-07	4.24E-07	4.00E-07	0.00E+00	0.00E+00	1.84E-07	3.48E-08	2.21E-07	3.41E-08	3.10E-08	5.05E-07	5.22E-07	1.92E-07	2.61E-07	9.74E-08	5.22E-07	1.92E-07
129	486633.2	3856043	1.63E-03	1.67E-03	1.57E-03	5.63E-07	1.70E-06	9.84E-07	1.01E-06	9.14E-07	4.17E-07	3.93E-07	0.00E+00	0.00E+00	1.81E-07	3.42E-08	2.17E-07	3.35E-08	3.05E-08	4.96E-07	5.13E-07	1.88E-07	2.56E-07	9.57E-08	5.13E-07	1.88E-07
130	486683.2	3856043	1.61E-03	1.65E-03	1.55E-03	5.57E-07	1.68E-06	9.73E-07	9.97E-07	9.04E-07	4.12E-07	3.89E-07	0.00E+00	0.00E+00	1.79E-07	3.38E-08	2.15E-07	3.31E-08	3.01E-08	4.91E-07	5.08E-07	1.86E-07	2.53E-07	9.47E-08	5.08E-07	1.86E-07
131	486733.2	3856043	1.58E-03	1.62E-03	1.53E-03	5.48E-07	1.66E-06	9.58E-07	9.81E-07	8.90E-07	4.06E-07	3.83E-07	0.00E+00	0.00E+00	1.76E-07	3.33E-08	2.11E-07	3.26E-08	2.96E-08	4.83E-07	5.00E-07	1.83E-07	2.49E-07	9.32E-08	5.00E-07	1.83E-07
132	486783.2	3856043	1.57E-03	1.61E-03	1.52E-03	5.43E-07	1.64E-06	9.49E-07	9.72E-07	8.81E-07	4.02E-07	3.79E-07	0.00E+00	0.00E+00	1.75E-07	3.30E-08	2.09E-07	3.23E-08	2.94E-08	4.79E-07	4.95E-07	1.82E-07	2.47E-07	9.24E-08	4.95E-07	1.82E-07
133	486533.2	3856093	1.73E-03	1.77E-03	1.67E-03	5.99E-07	1.81E-06	1.05E-06	1.07E-06	9.73E-07	4.44E-07	4.19E-07	0.00E+00	0.00E+00	1.93E-07	3.64E-08	2.31E-07	3.56E-08	3.24E-08	5.28E-07	5.46E-07	2.00E-07	2.73E-07	1.02E-07	5.46E-07	2.00E-07
134	486583.2	3856093	1.70E-03	1.74E-03	1.65E-03	5.90E-07	1.78E-06	1.03E-06	1.06E-06	9.57E-07	4.37E-07	4.12E-07	0.00E+00	0.00E+00	1.90E-07	3.58E-08	2.27E-07	3.51E-08	3.19E-08	5.20E-07	5.38E-07	1.97E-07	2.68E-07	1.00E-07	5.38E-07	1.97E-07
135	486633.2	3856093	1.68E-03	1.72E-03	1.62E-03	5.80E-07	1.75E-06	1.01E-06	1.04E-06	9.42E-07	4.30E-07	4.05E-07	0.00E+00	0.00E+00	1.87E-07	3.53E-08	2.24E-07	3.45E-08	3.14E-08	5.12E-07	5.29E-07	1.94E-07	2.64E-07	9.87E-08	5.29E-07	1.94E-07
136	486683.2	3856093	1.65E-03	1.69E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	1.03E-06	9.29E-07	4.24E-07	4.00E-07	0.00E+00	0.00E+00	1.84E-07	3.48E-08	2.21E-07	3.41E-08	3.10E-08	5.05E-07	5.22E-07	1.92E-07	2.61E-07	9.74E-08	5.22E-07	1.92E-07
137	486733.2	3856093	1.63E-03	1.67E-03	1.57E-03	5.64E-07	1.70E-06	9.86E-07	1.01E-06	9.15E-07	4.18E-07	3.94E-07	0.00E+00	0.00E+00	1.81E-07	3.43E-08	2.17E-07	3.35E-08	3.05E-08	4.97E-07	5.14E-07	1.89E-07	2.57E-07	9.59E-08	5.14E-07	1.89E-07
138	486783.2	3856093	1.61E-03	1.65E-03	1.56E-03	5.58E-07	1.68E-06	9.75E-07	9.99E-07	9.05E-07	4.13E-07	3.90E-07	0.00E+00	0.00E+00	1.79E-07	3.39E-08	2.15E-07	3.32E-08	3.02E-08	4.92E-07	5.09E-07	1.87E-07	2.54E-07	9.49E-08	5.09E-07	1.87E-07
139	486533.2	3856143	1.78E-03	1.83E-03	1.72E-03	6.18E-07	1.86E-06	1.08E-06	1.11E-06	1.00E-06	4.57E-07	4.31E-07	0.00E+00	0.00E+00	1.99E-07	3.75E-08	2.38E-07	3.67E-08	3.34E-08	5.44E-07	5.63E-07	2.07E-07	2.81E-07	1.05E-07	5.63E-07	2.07E-07
140	486583.2	3856143	1.75E-03	1.79E-03	1.69E-03	6.06E-07	1.83E-06	1.06E-06	1.09E-06	9.84E-07	4.49E-07	4.24E-07	0.00E+00	0.00E+00	1.95E-07	3.69E-08	2.34E-07	3.61E-08	3.28E-08	5.35E-07	5.53E-07	2.03E-07	2.76E-07	1.03E-07	5.53E-07	2.03E-07
141	486633.2	3856143	1.73E-03	1.77E-03	1.67E-03	5.98E-07	1.80E-06	1.04E-06	1.07E-06	9.70E-07	4.43E-07	4.18E-07	0.00E+00	0.00E+00	1.92E-07	3.63E-08	2.30E-07	3.55E-08	3.23E-08	5.27E-07	5.45E-07	2.00E-07	2.72E-07	1.02E-07	5.45E-07	2.00E-07

142	486683.2	3856143	1.70E-03	1.74E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.55E-07	4.36E-07	4.11E-07	0.00E+00	0.00E+00	1.89E-07	3.58E-08	2.27E-07	3.50E-08	3.18E-08	5.19E-07	5.37E-07	1.97E-07	2.68E-07	1.00E-07	5.37E-07	1.97E-07
143	486733.2	3856143	1.68E-03	1.72E-03	1.62E-03	5.80E-07	1.75E-06	1.01E-06	1.04E-06	9.42E-07	4.30E-07	4.05E-07	0.00E+00	0.00E+00	1.87E-07	3.53E-08	2.24E-07	3.45E-08	3.14E-08	5.12E-07	5.29E-07	1.94E-07	2.64E-07	9.87E-08	5.29E-07	1.94E-07
144	486783.2	3856143	1.66E-03	1.70E-03	1.60E-03	5.75E-07	1.74E-06	1.00E-06	1.03E-06	9.33E-07	4.26E-07	4.01E-07	0.00E+00	0.00E+00	1.85E-07	3.49E-08	2.22E-07	3.42E-08	3.11E-08	5.07E-07	5.24E-07	1.92E-07	2.62E-07	9.77E-08	5.24E-07	1.92E-07
145	486533.2	3856193	1.84E-03	1.89E-03	1.78E-03	6.38E-07	1.93E-06	1.12E-06	1.14E-06	1.04E-06	4.73E-07	4.46E-07	0.00E+00	0.00E+00	2.05E-07	3.88E-08	2.46E-07	3.79E-08	3.45E-08	5.62E-07	5.82E-07	2.13E-07	2.90E-07	1.09E-07	5.82E-07	2.13E-07
146	486583.2	3856193	1.81E-03	1.85E-03	1.75E-03	6.25E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.63E-07	4.37E-07	0.00E+00	0.00E+00	2.01E-07	3.80E-08	2.41E-07	3.72E-08	3.38E-08	5.51E-07	5.70E-07	2.09E-07	2.85E-07	1.06E-07	5.70E-07	2.09E-07
147	486633.2	3856193	1.78E-03	1.82E-03	1.72E-03	6.16E-07	1.86E-06	1.08E-06	1.10E-06	9.99E-07	4.56E-07	4.30E-07	0.00E+00	0.00E+00	1.98E-07	3.74E-08	2.37E-07	3.66E-08	3.33E-08	5.43E-07	5.61E-07	2.06E-07	2.80E-07	1.05E-07	5.61E-07	2.06E-07
148	486683.2	3856193	1.76E-03	1.80E-03	1.70E-03	6.08E-07	1.84E-06	1.06E-06	1.09E-06	9.87E-07	4.50E-07	4.25E-07	0.00E+00	0.00E+00	1.96E-07	3.69E-08	2.34E-07	3.62E-08	3.29E-08	5.36E-07	5.54E-07	2.03E-07	2.77E-07	1.03E-07	5.54E-07	2.03E-07
149	486733.2	3856193	1.73E-03	1.77E-03	1.67E-03	5.98E-07	1.81E-06	1.05E-06	1.07E-06	9.71E-07	4.43E-07	4.18E-07	0.00E+00	0.00E+00	1.92E-07	3.64E-08	2.31E-07	3.56E-08	3.24E-08	5.27E-07	5.45E-07	2.00E-07	2.72E-07	1.02E-07	5.45E-07	2.00E-07
150	486783.2	3856193	1.71E-03	1.75E-03	1.65E-03	5.92E-07	1.79E-06	1.03E-06	1.06E-06	9.61E-07	4.38E-07	4.14E-07	0.00E+00	0.00E+00	1.90E-07	3.60E-08	2.28E-07	3.52E-08	3.20E-08	5.22E-07	5.40E-07	1.98E-07	2.69E-07	1.01E-07	5.40E-07	1.98E-07
151	486533.2	3856243	1.90E-03	1.95E-03	1.84E-03	6.59E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.88E-07	4.60E-07	0.00E+00	0.00E+00	2.12E-07	4.00E-08	2.54E-07	3.92E-08	3.56E-08	5.80E-07	6.00E-07	2.20E-07	3.00E-07	1.12E-07	6.00E-07	2.20E-07
152	486583.2	3856243	1.87E-03	1.91E-03	1.81E-03	6.47E-07	1.95E-06	1.13E-06	1.16E-06	1.05E-06	4.79E-07	4.52E-07	0.00E+00	0.00E+00	2.08E-07	3.93E-08	2.49E-07	3.85E-08	3.50E-08	5.70E-07	5.90E-07	2.16E-07	2.94E-07	1.10E-07	5.90E-07	2.16E-07
153	486633.2	3856243	1.84E-03	1.88E-03	1.77E-03	6.36E-07	1.92E-06	1.11E-06	1.14E-06	1.03E-06	4.71E-07	4.44E-07	0.00E+00	0.00E+00	2.04E-07	3.86E-08	2.45E-07	3.78E-08	3.44E-08	5.60E-07	5.79E-07	2.13E-07	2.89E-07	1.08E-07	5.79E-07	2.13E-07
154	486683.2	3856243	1.81E-03	1.85E-03	1.75E-03	6.26E-07	1.89E-06	1.09E-06	1.12E-06	1.02E-06	4.64E-07	4.38E-07	0.00E+00	0.00E+00	2.01E-07	3.81E-08	2.42E-07	3.72E-08	3.39E-08	5.52E-07	5.71E-07	2.09E-07	2.85E-07	1.07E-07	5.71E-07	2.09E-07
155	486733.2	3856243	1.79E-03	1.83E-03	1.73E-03	6.18E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.58E-07	4.32E-07	0.00E+00	0.00E+00	1.99E-07	3.76E-08	2.38E-07	3.68E-08	3.34E-08	5.45E-07	5.64E-07	2.07E-07	2.81E-07	1.05E-07	5.64E-07	2.07E-07
156	486783.2	3856243	1.76E-03	1.80E-03	1.70E-03	6.09E-07	1.84E-06	1.06E-06	1.09E-06	9.88E-07	4.51E-07	4.25E-07	0.00E+00	0.00E+00	1.96E-07	3.70E-08	2.35E-07	3.62E-08	3.29E-08	5.37E-07	5.55E-07	2.04E-07	2.77E-07	1.04E-07	5.55E-07	2.04E-07
157	486533.2	3856293	1.97E-03	2.01E-03	1.90E-03	6.81E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	5.04E-07	4.76E-07	0.00E+00	0.00E+00	2.19E-07	4.14E-08	2.63E-07	4.05E-08	3.68E-08	6.00E-07	6.21E-07	2.28E-07	3.10E-07	1.16E-07	6.21E-07	2.28E-07
158	486583.2	3856293	1.93E-03	1.98E-03	1.86E-03	6.68E-07	2.02E-06	1.17E-06	1.20E-06	1.08E-06	4.94E-07	4.66E-07	0.00E+00	0.00E+00	2.15E-07	4.06E-08	2.57E-07	3.97E-08	3.61E-08	5.89E-07	6.09E-07	2.23E-07	3.04E-07	1.14E-07	6.09E-07	2.23E-07
159	486633.2	3856293	1.90E-03	1.94E-03	1.83E-03	6.56E-07	1.98E-06	1.15E-06	1.18E-06	1.07E-06	4.86E-07	4.59E-07	0.00E+00	0.00E+00	2.11E-07	3.99E-08	2.53E-07	3.90E-08	3.55E-08	5.79E-07	5.99E-07	2.20E-07	2.99E-07	1.12E-07	5.99E-07	2.20E-07
160	486683.2	3856293	1.87E-03	1.91E-03	1.80E-03	6.46E-07	1.95E-06	1.13E-06	1.16E-06	1.05E-06	4.78E-07	4.51E-07	0.00E+00	0.00E+00	2.08E-07	3.92E-08	2.49E-07	3.84E-08	3.49E-08	5.69E-07	5.89E-07	2.16E-07	2.94E-07	1.10E-07	5.89E-07	2.16E-07
161	486733.2	3856293	1.84E-03	1.89E-03	1.78E-03	6.38E-07	1.93E-06	1.12E-06	1.14E-06	1.04E-06	4.73E-07	4.46E-07	0.00E+00	0.00E+00	2.05E-07	3.88E-08	2.46E-07	3.79E-08	3.45E-08	5.62E-07	5.82E-07	2.13E-07	2.90E-07	1.09E-07	5.82E-07	2.13E-07
162	486783.2	3856293	1.82E-03	1.86E-03	1.75E-03	6.28E-07	1.90E-06	1.10E-06	1.13E-06	1.02E-06	4.65E-07	4.39E-07	0.00E+00	0.00E+00	2.02E-07	3.82E-08	2.42E-07	3.74E-08	3.40E-08	5.54E-07	5.73E-07	2.10E-07	2.86E-07	1.07E-07	5.73E-07	2.10E-07
163	486783.2	3856343	1.88E-03	1.92E-03	1.81E-03	6.50E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.81E-07	4.54E-07	0.00E+00	0.00E+00	2.09E-07	3.95E-08	2.51E-07	3.86E-08	3.51E-08	5.73E-07	5.93E-07	2.17E-07	2.96E-07	1.11E-07	5.93E-07	2.17E-07
164	486833.2	3856343	1.85E-03	1.90E-03	1.79E-03	6.41E-07	1.93E-06	1.12E-06	1.15E-06	1.04E-06	4.74E-07	4.47E-07	0.00E+00	0.00E+00	2.06E-07	3.89E-08	2.47E-07	3.81E-08	3.47E-08	5.65E-07	5.84E-07	2.14E-07	2.92E-07	1.09E-07	5.84E-07	2.14E-07
165	486883.2	3856343	1.83E-03	1.87E-03	1.77E-03	6.32E-07	1.91E-06	1.11E-06	1.13E-06	1.03E-06	4.68E-07	4.42E-07	0.00E+00	0.00E+00	2.03E-07	3.84E-08	2.44E-07	3.76E-08	3.42E-08	5.58E-07	5.77E-07	2.12E-07	2.88E-07	1.08E-07	5.77E-07	2.12E-07
166	486783.2	3856393	1.93E-03	1.98E-03	1.87E-03	6.70E-07	2.02E-06	1.17E-06	1.20E-06	1.09E-06	4.96E-07	4.68E-07	0.00E+00	0.00E+00	2.15E-07	4.07E-08	2.58E-07	3.98E-08	3.62E-08	5.90E-07	6.11E-07	2.24E-07	3.05E-07	1.14E-07	6.11E-07	2.24E-07
167	486833.2	3856393	1.91E-03	1.95E-03	1.84E-03	6.60E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.89E-07	4.61E-07	0.00E+00	0.00E+00	2.12E-07	4.01E-08	2.55E-07	3.92E-08	3.57E-08	5.82E-07	6.02E-07	2.21E-07	3.00E-07	1.12E-07	6.02E-07	2.21E-07
168	486883.2	3856393	1.88E-03	1.92E-03	1.81E-03	6.50E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.81E-07	4.54E-07	0.00E+00	0.00E+00	2.09E-07	3.95E-08	2.51E-07	3.86E-08	3.51E-08	5.73E-07	5.93E-07	2.17E-07	2.96E-07	1.11E-07	5.93E-07	2.17E-07
169	487208.7	3856886	2.33E-03	2.38E-03	2.25E-03	8.05E-07	2.43E-06	1.41E-06	1.44E-06	1.31E-06	5.96E-07	5.62E-07	0.00E+00	0.00E+00	2.59E-07	4.89E-08	3.10E-07	4.79E-08	4.35E-08	7.10E-07	7.34E-07	2.69E-07	3.66E-07	1.37E-07	7.34E-07	2.69E-07
170	487258.7	3856886	2.28E-03	2.34E-03	2.20E-03	7.90E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.85E-07	5.52E-07	0.00E+00	0.00E+00	2.54E-07	4.80E-08	3.05E-07	4.70E-08	4.27E-08	6.96E-07	7.20E-07	2.64E-07	3.59E-07	1.34E-07	7.20E-07	2.64E-07
171	487308.7	3856886	2.24E-03	2.30E-03	2.17E-03	7.76E-07	2.34E-06	1.36E-06	1.39E-06	1.26E-06	5.75E-07	5.42E-07	0.00E+00	0.00E+00	2.50E-07	4.72E-08	2.99E-07	4.61E-08	4.20E-08	6.84E-07	7.08E-07	2.60E-07	3.53E-07	1.32E-07	7.08E-07	2.60E-07
172	487358.7	3856886	2.20E-03	2.25E-03	2.13E-03	7.62E-07	2.30E-06	1.33E-06	1.36E-06	1.24E-06	5.64E-07	5.32E-07	0.00E+00	0.00E+00	2.45E-07	4.63E-08	2.94E-07	4.53E-08	4.12E-08	6.71E-07	6.95E-07	2.55E-07	3.47E-07	1.30E-07	6.95E-07	2.55E-07
173	487208.7	3856936	2.41E-03	2.47E-03	2.33E-03	8.35E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.18E-07	5.83E-07	0.00E+00	0.00E+00	2.68E-07	5.07E-08	3.22E-07	4.96E-08	4.52E-08	7.36E-07	7.61E-07	2.79E-07	3.80E-07	1.42E-07	7.61E-07	2.79E-07
174	487258.7	3856936	2.36E-03	2.42E-03	2.28E-03	8.18E-07	2.47E-06	1.43E-06	1.47E-06	1.33E-06	6.06E-07	5.72E-07	0.00E+00	0.00E+00	2.63E-07	4.97E-08	3.16E-07	4.87E-08	4.43E-08	7.21E-07	7.46E-07	2.74E-07	3.72E-07	1.39E-07	7.46E-07	2.74E-07
175	487308.7	3856936	2.32E-03	2.38E-03	2.24E-03	8.04E-07	2.43E-06	1.41E-06	1.44E-06	1.31E-06	5.95E-07	5.62E-07	0.00E+00	0.00E+00	2.59E-07	4.89E-08	3.10E-07	4.78E-08	4.35E-08	7.09E-07	7.33E-07	2.69E-07	3.66E-07	1.37E-07	7.33E-07	2.69E-07
176	487358.7	3856936	2.28E-03	2.34E-03	2.20E-03	7.89E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.85E-07	5.51E-07	0.00E+00	0.00E+00	2.54E-07	4.80E-08	3.04E-07	4.69E-08	4.27E-08	6.96E-07	7.20E-07	2.64E-07	3.59E-07	1.34E-07	7.20E-07	2.64E-07
177	487208.7	3856986	2.50E-03	2.56E-03	2.42E-03	8.66E-07	2.62E-06	1.51E-06	1.55E-06	1.41E-06	6.42E-07	6.05E-07	0.00E+00	0.00E+00	2.79E-07	5.27E-08	3.34E-07	5.15E-08	4.69E-08	7.64E-07	7.90E-07	2.90E-07	3.94E-07	1.47E-07	7.90E-07	2.90E-07
178	487258.7	3856986	2.46E-03	2.52E-03	2.38E-03	8.51E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.30E-07	5.95E-07	0.00E+00	0.00E+00	2.74E-07	5.17E-08	3.28E-07	5.06E-08	4.60E-08	7.50E-07	7.76E-07	2.85E-07	3.87E-07	1.45E-07	7.76E-07	2.85E-07
179	487308.7	3856986	2.41E-03	2.47E-03	2.33E-03	8.33E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.17E-07	5.82E-07	0.00E+00	0.00E+00	2.68E-07	5.06E-08	3.21E-07	4.95E-08	4.51E-08	7.35E-07	7.60E-07	2.79E-07	3.79E-07	1.42E-07	7.60E-07	2.79E-07
180	487358.7	3856986	2.37E-03	2.42E-03	2.29E-03	8.19E-07	2.47E-06	1.43E-06	1.47E-06	1.33E-06	6.06E-07	5.72E-07	0.00E+00	0.00E+00	2.63E-07	4.98E-08	3.16E-07	4.87E-08	4.43E-08	7.22E-07	7.47E-07	2.74E-07	3.73E-07	1.39E-07	7.47E-07	2.74E-07
181	487208.7	3857036	2.60E-03	2.66E-03	2.51E-03	9.01E-07	2.72E-06	1.57E-06	1.61E-06	1.46E-06	6.67E-07	6.29E-07	0.00E+00	0.00E+00	2.90E-07	5.47E-08	3.47E-07	5.36E-08	4.87E-08	7.94E-07	8.21E-07	3.01E-07	4.10E-07	1.53E-07	8.21E-07	3.01E-07
182	487258.7	3857036	2.55E-03	2.61E-03	2.46E-03	8.83E-07	2.67E-06	1.54E-06	1.58E-06	1.43E-06	6.54E-07	6.17E-07	0.00E+00	0.00E+00	2.84E-07	5.36E-08	3.40E-07	5.25E-08	4.77E-08	7.78E-07	8.05E-07	2.95E-07	4.02E-07	1.50E-07	8.05E-07	2.95E-07
183	487308.7	3857036	2.50E-03	2.56E-03	2.42E-03	8.66E-07	2.62E-06	1.51E-06	1.55E-06	1.41E-06	6.42E-07	6.05E-07	0.00E+00	0.00E+00	2.79E-07	5.27E-08	3.34E-07	5.15E-08	4.69E-08	7.64E-07	7.90E-07	2.90E-07	3.94E-07	1.47E-07	7.90E-07	2.90E-07
184	487358.7	3857036	2.46E-03	2.52E-03	2.37E-03	8.50E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.30E-07	5.94E-07	0.00E+00	0.00E+00	2.73E-07	5.17E-08	3.28E-07	5.06E-08	4.60E-08	7.49E-07	7.75E-07	2.84E-07	3.87E-07	1.45E-07	7.75E-07	2.84E-07
185	487427.1	3856878	2.15E-03	2.20E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.19E-07	0.00E+00	0.00E+00	2.39E-07	4.51E-08	2.86E-07	4.42E-08	4.02E-08	6.55E-07	6.77E-07	2.48E-07	3.38E-07	1.26E-07	6.77E-07	2.48E-07
186	487477.1	3856878	2.11E-03	2.16E-03	2.04E-03	7.32E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.42E-07	5.11E-07	0.00E+00	0.00E+00	2.35E-07	4.45E-08	2.82E-07	4.35E-08	3.96E-08	6.45E-07	6.67E-07	2.45E-07	3.33E-07	1.24E-07	6.67E-07	2.45E-07
187	487527.1	3856878	2.08E-03	2.13E-03	2.01E-03	7.20E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.33E-07	5.03E-07	0.00E+00	0.00E+00	2.32E-07	4.38E-08	2.78E-07	4.28E-08	3.90E-08	6.35E-07	6.57E-07	2.41E-07	3.28E-07	1.23E-07	6.57E-07	2.41E-07
188	487427.1	3856928	2.22E-03	2.27E-03	2.14E-03	7.68E-07	2.32E-06	1.34E-06	1.37E-06	1.25E-06	5.69E-07	5.36E-07	0.00E+00	0.00E+00	2.47E-07	4.67E-08	2.96E-07	4.57E-08	4.15E-08	6.77E-07	7.00E-07	2.57E-07	3.49E-07	1.31E-07	7.00E-07	2.57E-07
189	487477.1	3856928	2.18E-03	2.23E-03	2.11E-03	7.55E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.59E-07	5.27E-07	0.00E+00	0.00E+00	2.43E-07	4.59E-08	2.91E-07	4.49E-08	4.08E-08	6.65E-07	6.88E-07	2.52E-07	3.43E-07	1.28E-07	6.88E-07	2.52E-07
190	487527.1	3856928	2.15E-03	2.20E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.19E-07	0.00E+00	0.00E+00	2.39E-07	4.51E-08	2.86E-07	4.42E-08	4.02E-08	6.55E-07	6.77E-07	2.48E-07	3.38E-07	1.26E-07	6.77E-07	2.48E-07
191	487577.1	3856928	2.11E-03	2.16E-03	2.04E-03	7.32E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.42E-07	5.11E-07	0.00E+00	0.00E+00	2.35E-07	4.45E-08	2.82E-07	4.35E-08	3.96E-08	6.45E-07	6.67E-07	2.45E-07	3.33E-07	1.24E-07	6.67E-07	2.45E-07
192	487627.1	3856928	2.08E-03	2.13E-03	2.01E-03	7.20E-07	2.17E-06	1.26E-06	1.29E-06	1.17E-06	5.33E-07	5.03E-07	0.00E+00	0.00E+00	2.31E-07	4.37E-08	2.78E-07	4.28E-08	3.89E-08	6.35E-07	6.56E-07	2.41E-07	3.28E-07	1.22E-07	6.56E-07	2.41E-07
193	487677.1	3856928	2.05E-03	2.10E-03	1.98E-03	7.10E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.26E-07	4.96E-07	0.00E+00	0.00E+00	2.28E-07	4.32E-08	2.74E-07	4.22E-08	3.84E-08	6.26E-07	6.47E-07	2.37E-07	3.23E-07	1.21E-07	6.47E-07	2.37E-07
194	487727.1	3856928	2.03E-03	2.08E-03	1.96E-03	7.01E-07	2.12E-06	1.23E-06	1.26E-06	1.14E-06	5.19E-07	4.90E-07	0.00E+00	0.00E+00	2.26E-07	4.26E-08	2.70E-07	4.17E-08	3.79E-08	6.18E-07	6.40E-07	2.35E-07	3.19E-07	1.19E-07	6.40E-07	2.35E-07
195	487777.1	3856928	2.00E-03	2.05E-03	1.93E-03	6.92E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.12E-07	4.83E-07	0.00E+00	0.00E+00	2.22E-07	4.20E-08	2.67E-07	4.11E-08	3.74E-08	6.10E-07	6.31E-07	2.31E-07	3.15E-07	1.18E-07	6.31E-07	2.31E-07
196	487427.1	3856978	2.29E-03	2.35E-03	2.22E-03	7.94E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.88E-07	5.55E-07	0.00E+00	0.00E+00	2.55E-07	4.82E-08	3.06E-07	4.72E-08	4.29E-08	7.00E-07	7.24E-07	2.65E-07	3.61E-07	1.35E-07	7.24E-07	2.65E-07
197	487477.1	3856978	2.26E-03	2.31E-03	2.18E-03	7.81E-07	2.36E-06	1.36E-06	1.40E-06	1.27E-06	5.78E-07	5.45E-07	0.00E+00	0.00E+00	2.51E-07	4.74E-08	3.01E-07	4.64E-08	4.22E-08	6.88E-07	7.12E-07	2.61E-07	3.55E-07	1.33E-07	7.12E-07	2.61E-07
198	487527.1	3856978	2.22E-03	2.27E-03	2.14E-03	7.68E-07	2.32E-06	1.34E-06	1.38E-06	1.25E-06	5.69E-07	5.37E-07	0.00E+00	0.00E+00	2.47E-07	4.67E-08	2.96E-07	4.57E-08	4.16E-08	6.77E-07	7.01E-07	2.57E-07	3.50E-07	1.31E-07	7.01E-07	2.57E-07
199	487577.1	3856978	2.18E-03	2.24E-03	2.11E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.23E-06	5.60E-07	5.28E-07	0.00E+00	0.00E+00	2.43E-07	4.59E-08	2.92E-07	4.50E-08	4.09E-08	6.67E-07	6.89E-07	2.53E-07	3.44E-07	1.29E-07	6.89E-07	2.53E-07
200	487627.1	3856978	2.15E-03	2.20E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.19E-07	0.00E+00	0.00E+00	2.39E-07	4.51E-08	2.86E-07	4.42E-08	4.02E-08	6.55E-07	6.77E-07	2.48E-07	3.38E-07	1.26E-07	6.77E-07	2.48E-07
201	487677.1	3856978	2.12E-03	2.17E-03	2.04E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.43E-07	5.12E-07	0.00E+00	0.00E+00	2.36E-07	4.45E-08	2.82E-07	4.36E-08	3.96E-08	6.46E-07	6.68E-07	2.45E-07	3.33E-07	1.25E-07	6.68E-07	2.45E-07
202	487727.1	3856978	2.08E-03	2.13E-03	2.00E-03	7.18E-07	2.17E-06	1.26E-06	1.29E-06	1.17E-06	5.32E-07	5.02E-07	0.00E+00	0.00E+00	2.31E-07	4.36E-08	2.77E-07	4.27E-08	3.89E-08	6.33E-07	6.55E-07	2.40E-07	3.27E-07	1.22E-07	6.55E-07	2.40E-07
203	487777.1	3856978	2.06E-03	2.11E-03	1.99E-03	7.13E-07	2.15E-06	1.25E-06	1.28E-06	1.16E-06	5.28E-07	4.98E-07	0.00E+00	0.00E+00	2.29E-07	4.33E-08	2.75E-07	4.24E-08	3.86E-08	6.29E-07	6.50E-07	2.39E-07	3.25E-07	1.21E-07	6.50E-07	2.39E-07
204	487427.1	3857028	2.38E-03	2.44E-03	2.30E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.10E-07	5.75E-07	0.00E+00	0.00E+00	2.65E-07	5.00E-08	3.18E-07	4.90E-08	4.45E-08	7.26E-07	7.51E-07	2.75E-07	3.75E-07	1.40E-07	7.51E-07	2.75E-07
205	487477.1	3857028	2.34E-03	2.39E-03	2.26E-03	8.09E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.99E-07	5.65E-07	0.00E+00	0.00E+00	2.60E-07	4.92E-08	3.12E-07	4.81E-08	4.38E-08	7.13E-07	7.38E-07	2.71E-07	3.68E-07	1.38E-07	7.38E-07	2.71E-07
206	487527.1	3857028	2.29E-03	2.35E-03	2.22E-03	7.94E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.88E-07	5.55E-07	0.00E+00	0.00E+00	2.55E-07	4.83E-08	3.06E-07	4.72E-08	4.30E-08	7.00E-07	7.24E-07	2.66E-07	3.62E-07	1.35E-07	7.24E-07	2.66E-07
207	487577.1	3857028	2.26E-03	2.31E-03	2.18E-03	7.82E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.79E-07	5.46E-07	0.00E+00	0.00E+00	2.51E-07	4.75E-08	3.01E-07	4.65E-08	4.23E-08	6.89E-07	7.13E-07	2.61E-07	3.56E-07	1.33E-07	7.13E-07	2.61E-07
208	487627.1	3857028	2.22E-03	2.27E-03	2.14E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.68E-07	5.36E-07	0.00E+00	0.00E+00	2.47E-07	4.66E-08	2.96E-07	4.56E-08	4.15E-08	6.76E-07	6.99E-07	2.56E-07	3.49E-07	1.30E-07	6.99E-07	2.56E-07
209	487677.1	3857028	2.18E-03	2.24E-03	2.11E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.23E-06	5.60E-07	5.28E-07	0.00E+00	0.00E+00	2.43E-07	4.59E-08	2.91E-07	4.49E-08	4.09E-08	6.66E-07	6.89E-07	2.53E-07	3.44E-07	1.28E-07	6.89E-07	2.53E-07
210	487727.1	3857028	2.15E-03	2.21E-03	2.08E-03	7.46E-07	2.25E-06	1.30E-06	1.34E-06	1.21E-06	5.52E-07	5.21E-07	0.00E+00	0.00E+00	2.40E-07	4.53E-08	2.88E-07	4.44E-08	4.03E-08	6.57E-07	6.80E-07	2.49E-07	3.39E-07	1.27E-07	6.80E-07	2.49E-07
211	487777.1	3857028	2.12E-03	2.18E-03	2.05E-03	7.35E-07	2.22E-06	1.29E-06	1.32E-06	1.19E-06	5.44E-07	5.14E-07	0.00E+00	0.00E+00	2.36E-07	4.47E-08	2.83E-07	4.37E-08	3.98E-08	6.48E-07	6.70E-07	2.46E-07	3.35E-07	1.25E-07	6.70E-07	2.46E-07
212	487427.1	3857078	2.47E-03	2.53E-03	2.39E-03	8.55E-07	2.58E-06	1.49E-06	1.53E-06	1.39E-06	6.33E-07	5.97E-07	0.00E+00	0.00E+00	2.75E-07	5.20E-08	3.30E-07	5.09E-08	4.63E-08	7.54E-07	7.80E-07	2.86E-07	3.89E-07	1.45E-07	7.80E-07	2.86E-07
213	487477.1	3857078	2.42E-03	2.48E-03	2.34E-03	8.38E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.21E-07	5.86E-07	0.00E+00	0.00E+00	2.70E-07	5.09E-08	3.23E-07	4.99E-08	4.53E-08	7.39E-07	7.64E-07	2.80E-07	3.82E-07	1.43E-07	7.64E-07	2.80E-07
214	487527.1	3857078	2.38E-03	2.44E-03	2.30E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.10E-07	5.75E-07	0.00E+00	0.00E+00	2.65E-07	5.00E-08	3.18E-07	4.90E-08	4.45E-08	7.26E-07	7.51E-07	2.75E-07	3.75E-07	1.40E-07	7.51E-07	2.75E-07
215	487577.1	3857078	2.34E-03	2.39E-03	2.26E-03	8.09E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.99E-07	5.65E-07	0.00E+00	0.00E+00	2.60E-07	4.91E-08	3.12E-07	4.81E-08	4.37E-08	7.13E-07	7.37E-07	2.70E-07	3.68E-07	1.38E-07	7.37E-07	2.70E-07

216	487627.1	3857078	2.29E-03	2.35E-03	2.22E-03	7.94E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.88E-07	5.55E-07	0.00E+00	0.00E+00	2.55E-07	4.82E-08	3.06E-07	4.72E-08	4.29E-08	7.00E-07	7.24E-07	2.65E-07	3.61E-07	1.35E-07	7.24E-07	2.65E-07
217	487677.1	3857078	2.26E-03	2.31E-03	2.18E-03	7.82E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.79E-07	5.46E-07	0.00E+00	0.00E+00	2.51E-07	4.75E-08	3.01E-07	4.65E-08	4.23E-08	6.89E-07	7.13E-07	2.61E-07	3.56E-07	1.33E-07	7.13E-07	2.61E-07
218	487727.1	3857078	2.22E-03	2.28E-03	2.15E-03	7.70E-07	2.32E-06	1.35E-06	1.38E-06	1.25E-06	5.70E-07	5.38E-07	0.00E+00	0.00E+00	2.48E-07	4.68E-08	2.97E-07	4.58E-08	4.16E-08	6.79E-07	7.02E-07	2.57E-07	3.50E-07	1.31E-07	7.02E-07	2.57E-07
219	487777.1	3857078	2.19E-03	2.24E-03	2.11E-03	7.58E-07	2.29E-06	1.32E-06	1.36E-06	1.23E-06	5.61E-07	5.29E-07	0.00E+00	0.00E+00	2.44E-07	4.60E-08	2.92E-07	4.51E-08	4.10E-08	6.68E-07	6.91E-07	2.53E-07	3.45E-07	1.29E-07	6.91E-07	2.53E-07
220	487427.1	3857128	2.57E-03	2.63E-03	2.48E-03	8.89E-07	2.69E-06	1.55E-06	1.59E-06	1.44E-06	6.59E-07	6.21E-07	0.00E+00	0.00E+00	2.86E-07	5.41E-08	3.43E-07	5.29E-08	4.81E-08	7.84E-07	8.11E-07	2.97E-07	4.05E-07	1.51E-07	8.11E-07	2.97E-07
221	487477.1	3857128	2.51E-03	2.58E-03	2.43E-03	8.71E-07	2.63E-06	1.52E-06	1.56E-06	1.41E-06	6.45E-07	6.08E-07	0.00E+00	0.00E+00	2.80E-07	5.29E-08	3.36E-07	5.18E-08	4.71E-08	7.67E-07	7.94E-07	2.91E-07	3.96E-07	1.48E-07	7.94E-07	2.91E-07
222	487527.1	3857128	2.46E-03	2.52E-03	2.38E-03	8.53E-07	2.58E-06	1.49E-06	1.53E-06	1.38E-06	6.32E-07	5.96E-07	0.00E+00	0.00E+00	2.74E-07	5.18E-08	3.29E-07	5.07E-08	4.61E-08	7.52E-07	7.78E-07	2.85E-07	3.88E-07	1.45E-07	7.78E-07	2.85E-07
223	487577.1	3857128	2.42E-03	2.48E-03	2.34E-03	8.38E-07	2.53E-06	1.46E-06	1.50E-06	1.36E-06	6.20E-07	5.85E-07	0.00E+00	0.00E+00	2.69E-07	5.09E-08	3.23E-07	4.98E-08	4.53E-08	7.39E-07	7.64E-07	2.80E-07	3.81E-07	1.42E-07	7.64E-07	2.80E-07
224	487627.1	3857128	2.38E-03	2.44E-03	2.30E-03	8.23E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.09E-07	5.75E-07	0.00E+00	0.00E+00	2.65E-07	5.00E-08	3.17E-07	4.89E-08	4.45E-08	7.25E-07	7.50E-07	2.75E-07	3.75E-07	1.40E-07	7.50E-07	2.75E-07
225	487677.1	3857128	2.33E-03	2.39E-03	2.26E-03	8.08E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.99E-07	5.65E-07	0.00E+00	0.00E+00	2.60E-07	4.91E-08	3.12E-07	4.81E-08	4.37E-08	7.12E-07	7.37E-07	2.70E-07	3.68E-07	1.37E-07	7.37E-07	2.70E-07
226	487727.1	3857128	2.30E-03	2.36E-03	2.22E-03	7.96E-07	2.40E-06	1.39E-06	1.43E-06	1.29E-06	5.90E-07	5.56E-07	0.00E+00	0.00E+00	2.56E-07	4.84E-08	3.07E-07	4.74E-08	4.31E-08	7.02E-07	7.26E-07	2.66E-07	3.62E-07	1.35E-07	7.26E-07	2.66E-07
227	487777.1	3857128	2.26E-03	2.32E-03	2.19E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.80E-07	5.47E-07	0.00E+00	0.00E+00	2.52E-07	4.76E-08	3.02E-07	4.66E-08	4.24E-08	6.90E-07	7.14E-07	2.62E-07	3.56E-07	1.33E-07	7.14E-07	2.62E-07
228	488049.4	3856539	1.57E-03	1.61E-03	1.51E-03	5.43E-07	1.64E-06	9.48E-07	9.71E-07	8.81E-07	4.02E-07	3.79E-07	0.00E+00	0.00E+00	1.74E-07	3.30E-08	2.09E-07	3.23E-08	2.93E-08	4.78E-07	4.95E-07	1.81E-07	2.47E-07	9.23E-08	4.95E-07	1.81E-07
229	488099.4	3856539	1.55E-03	1.59E-03	1.50E-03	5.36E-07	1.62E-06	9.38E-07	9.60E-07	8.71E-07	3.97E-07	3.75E-07	0.00E+00	0.00E+00	1.73E-07	3.26E-08	2.07E-07	3.19E-08	2.90E-08	4.73E-07	4.89E-07	1.79E-07	2.44E-07	9.12E-08	4.89E-07	1.79E-07
230	488149.4	3856539	1.53E-03	1.57E-03	1.48E-03	5.31E-07	1.60E-06	9.29E-07	9.51E-07	8.62E-07	3.93E-07	3.71E-07	0.00E+00	0.00E+00	1.71E-07	3.23E-08	2.05E-07	3.16E-08	2.87E-08	4.68E-07	4.84E-07	1.78E-07	2.42E-07	9.04E-08	4.84E-07	1.78E-07
231	488049.4	3856589	1.60E-03	1.64E-03	1.55E-03	5.54E-07	1.67E-06	9.69E-07	9.92E-07	9.00E-07	4.10E-07	3.87E-07	0.00E+00	0.00E+00	1.78E-07	3.37E-08	2.14E-07	3.30E-08	3.00E-08	4.89E-07	5.05E-07	1.85E-07	2.52E-07	9.43E-08	5.05E-07	1.85E-07
232	488099.4	3856589	1.58E-03	1.62E-03	1.53E-03	5.48E-07	1.66E-06	9.58E-07	9.81E-07	8.90E-07	4.06E-07	3.83E-07	0.00E+00	0.00E+00	1.76E-07	3.33E-08	2.11E-07	3.26E-08	2.96E-08	4.83E-07	5.00E-07	1.83E-07	2.49E-07	9.32E-08	5.00E-07	1.83E-07
233	488149.4	3856589	1.57E-03	1.61E-03	1.51E-03	5.43E-07	1.64E-06	9.48E-07	9.71E-07	8.81E-07	4.02E-07	3.79E-07	0.00E+00	0.00E+00	1.74E-07	3.30E-08	2.09E-07	3.23E-08	2.93E-08	4.78E-07	4.95E-07	1.81E-07	2.47E-07	9.23E-08	4.95E-07	1.81E-07
234	488199.4	3856589	1.55E-03	1.59E-03	1.50E-03	5.36E-07	1.62E-06	9.38E-07	9.60E-07	8.71E-07	3.97E-07	3.75E-07	0.00E+00	0.00E+00	1.73E-07	3.26E-08	2.07E-07	3.19E-08	2.90E-08	4.73E-07	4.89E-07	1.79E-07	2.44E-07	9.12E-08	4.89E-07	1.79E-07
235	488249.4	3856589	1.54E-03	1.58E-03	1.49E-03	5.34E-07	1.61E-06	9.33E-07	9.56E-07	8.66E-07	3.95E-07	3.73E-07	0.00E+00	0.00E+00	1.72E-07	3.24E-08	2.06E-07	3.17E-08	2.89E-08	4.71E-07	4.87E-07	1.79E-07	2.43E-07	9.08E-08	4.87E-07	1.79E-07
236	488049.4	3856639	1.64E-03	1.67E-03	1.58E-03	5.66E-07	1.71E-06	9.89E-07	1.01E-06	9.19E-07	4.19E-07	3.95E-07	0.00E+00	0.00E+00	1.82E-07	3.44E-08	2.18E-07	3.37E-08	3.06E-08	4.99E-07	5.16E-07	1.89E-07	2.58E-07	9.63E-08	5.16E-07	1.89E-07
237	488099.4	3856639	1.62E-03	1.66E-03	1.56E-03	5.60E-07	1.69E-06	9.79E-07	1.00E-06	9.09E-07	4.15E-07	3.91E-07	0.00E+00	0.00E+00	1.80E-07	3.40E-08	2.16E-07	3.33E-08	3.03E-08	4.94E-07	5.11E-07	1.87E-07	2.55E-07	9.52E-08	5.11E-07	1.87E-07
238	488149.4	3856639	1.60E-03	1.64E-03	1.55E-03	5.54E-07	1.67E-06	9.68E-07	9.91E-07	8.99E-07	4.10E-07	3.87E-07	0.00E+00	0.00E+00	1.78E-07	3.37E-08	2.14E-07	3.29E-08	3.00E-08	4.88E-07	5.05E-07	1.85E-07	2.52E-07	9.42E-08	5.05E-07	1.85E-07
239	488199.4	3856639	1.59E-03	1.62E-03	1.53E-03	5.49E-07	1.66E-06	9.60E-07	9.83E-07	8.91E-07	4.07E-07	3.84E-07	0.00E+00	0.00E+00	1.77E-07	3.34E-08	2.12E-07	3.27E-08	2.97E-08	4.84E-07	5.01E-07	1.84E-07	2.50E-07	9.34E-08	5.01E-07	1.84E-07
240	488249.4	3856639	1.57E-03	1.61E-03	1.52E-03	5.44E-07	1.64E-06	9.51E-07	9.74E-07	8.83E-07	4.03E-07	3.80E-07	0.00E+00	0.00E+00	1.75E-07	3.31E-08	2.10E-07	3.24E-08	2.94E-08	4.80E-07	4.96E-07	1.82E-07	2.48E-07	9.25E-08	4.96E-07	1.82E-07
241	488299.4	3856639	1.56E-03	1.60E-03	1.51E-03	5.40E-07	1.63E-06	9.43E-07	9.66E-07	8.76E-07	4.00E-07	3.77E-07	0.00E+00	0.00E+00	1.73E-07	3.28E-08	2.08E-07	3.21E-08	2.92E-08	4.76E-07	4.92E-07	1.80E-07	2.46E-07	9.17E-08	4.92E-07	1.80E-07
242	488349.4	3856639	1.54E-03	1.58E-03	1.49E-03	5.34E-07	1.61E-06	9.33E-07	9.56E-07	8.66E-07	3.95E-07	3.73E-07	0.00E+00	0.00E+00	1.72E-07	3.24E-08	2.06E-07	3.17E-08	2.89E-08	4.71E-07	4.87E-07	1.79E-07	2.43E-07	9.08E-08	4.87E-07	1.79E-07
243	488399.4	3856639	1.53E-03	1.57E-03	1.48E-03	5.30E-07	1.60E-06	9.27E-07	9.49E-07	8.61E-07	3.93E-07	3.70E-07	0.00E+00	0.00E+00	1.71E-07	3.22E-08	2.04E-07	3.15E-08	2.87E-08	4.67E-07	4.84E-07	1.77E-07	2.41E-07	9.02E-08	4.84E-07	1.77E-07
244	488099.4	3856689	1.65E-03	1.69E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	1.03E-06	9.29E-07	4.24E-07	4.00E-07	0.00E+00	0.00E+00	1.84E-07	3.48E-08	2.21E-07	3.41E-08	3.10E-08	5.05E-07	5.22E-07	1.92E-07	2.61E-07	9.74E-08	5.22E-07	1.92E-07
245	488149.4	3856689	1.64E-03	1.67E-03	1.58E-03	5.66E-07	1.71E-06	9.89E-07	1.01E-06	9.19E-07	4.19E-07	3.95E-07	0.00E+00	0.00E+00	1.82E-07	3.44E-08	2.18E-07	3.37E-08	3.06E-08	4.99E-07	5.16E-07	1.89E-07	2.58E-07	9.63E-08	5.16E-07	1.89E-07
246	488199.4	3856689	1.62E-03	1.66E-03	1.57E-03	5.61E-07	1.69E-06	9.81E-07	1.00E-06	9.10E-07	4.15E-07	3.92E-07	0.00E+00	0.00E+00	1.80E-07	3.41E-08	2.16E-07	3.34E-08	3.03E-08	4.94E-07	5.11E-07	1.88E-07	2.55E-07	9.54E-08	5.11E-07	1.88E-07
247	488249.4	3856689	1.60E-03	1.64E-03	1.55E-03	5.55E-07	1.68E-06	9.70E-07	9.93E-07	9.00E-07	4.11E-07	3.88E-07	0.00E+00	0.00E+00	1.78E-07	3.37E-08	2.14E-07	3.30E-08	3.00E-08	4.89E-07	5.06E-07	1.86E-07	2.52E-07	9.44E-08	5.06E-07	1.86E-07
248	488299.4	3856689	1.59E-03	1.63E-03	1.54E-03	5.51E-07	1.66E-06	9.64E-07	9.87E-07	8.95E-07	4.08E-07	3.85E-07	0.00E+00	0.00E+00	1.77E-07	3.35E-08	2.13E-07	3.28E-08	2.98E-08	4.86E-07	5.03E-07	1.84E-07	2.51E-07	9.37E-08	5.03E-07	1.84E-07
249	488349.4	3856689	1.58E-03	1.61E-03	1.52E-03	5.46E-07	1.65E-06	9.54E-07	9.77E-07	8.85E-07	4.04E-07	3.81E-07	0.00E+00	0.00E+00	1.75E-07	3.32E-08	2.10E-07	3.24E-08	2.95E-08	4.81E-07	4.97E-07	1.82E-07	2.48E-07	9.28E-08	4.97E-07	1.82E-07
250	488399.4	3856689	1.56E-03	1.59E-03	1.50E-03	5.38E-07	1.63E-06	9.41E-07	9.64E-07	8.74E-07	3.99E-07	3.76E-07	0.00E+00	0.00E+00	1.73E-07	3.27E-08	2.08E-07	3.20E-08	2.91E-08	4.75E-07	4.91E-07	1.80E-07	2.45E-07	9.16E-08	4.91E-07	1.80E-07
251	488099.4	3856739	1.69E-03	1.74E-03	1.64E-03	5.87E-07	1.77E-06	1.03E-06	1.05E-06	9.52E-07	4.34E-07	4.10E-07	0.00E+00	0.00E+00	1.89E-07	3.56E-08	2.26E-07	3.49E-08	3.17E-08	5.17E-07	5.35E-07	1.96E-07	2.67E-07	9.97E-08	5.35E-07	1.96E-07
252	488149.4	3856739	1.67E-03	1.71E-03	1.62E-03	5.79E-07	1.75E-06	1.01E-06	1.04E-06	9.39E-07	4.29E-07	4.04E-07	0.00E+00	0.00E+00	1.86E-07	3.52E-08	2.23E-07	3.44E-08	3.13E-08	5.10E-07	5.28E-07	1.94E-07	2.63E-07	9.84E-08	5.28E-07	1.94E-07
253	488199.4	3856739	1.66E-03	1.70E-03	1.60E-03	5.74E-07	1.73E-06	1.00E-06	1.03E-06	9.32E-07	4.25E-07	4.01E-07	0.00E+00	0.00E+00	1.85E-07	3.49E-08	2.21E-07	3.41E-08	3.11E-08	5.06E-07	5.24E-07	1.92E-07	2.61E-07	9.77E-08	5.24E-07	1.92E-07
254	488249.4	3856739	1.64E-03	1.68E-03	1.58E-03	5.68E-07	1.71E-06	9.92E-07	1.02E-06	9.21E-07	4.20E-07	3.96E-07	0.00E+00	0.00E+00	1.83E-07	3.45E-08	2.19E-07	3.38E-08	3.07E-08	5.00E-07	5.18E-07	1.90E-07	2.58E-07	9.65E-08	5.18E-07	1.90E-07
255	488299.4	3856739	1.62E-03	1.66E-03	1.56E-03	5.60E-07	1.69E-06	9.79E-07	1.00E-06	9.09E-07	4.15E-07	3.91E-07	0.00E+00	0.00E+00	1.80E-07	3.40E-08	2.16E-07	3.33E-08	3.03E-08	4.94E-07	5.11E-07	1.87E-07	2.55E-07	9.52E-08	5.11E-07	1.87E-07
256	488349.4	3856739	1.61E-03	1.65E-03	1.55E-03	5.57E-07	1.68E-06	9.73E-07	9.97E-07	9.04E-07	4.12E-07	3.89E-07	0.00E+00	0.00E+00	1.79E-07	3.38E-08	2.15E-07	3.31E-08	3.01E-08	4.91E-07	5.08E-07	1.86E-07	2.53E-07	9.47E-08	5.08E-07	1.86E-07
257	488399.4	3856739	1.60E-03	1.64E-03	1.55E-03	5.54E-07	1.67E-06	9.68E-07	9.91E-07	8.99E-07	4.10E-07	3.87E-07	0.00E+00	0.00E+00	1.78E-07	3.37E-08	2.14E-07	3.29E-08	3.00E-08	4.88E-07	5.05E-07	1.85E-07	2.52E-07	9.42E-08	5.05E-07	1.85E-07
258	487999.4	3856789	1.77E-03	1.81E-03	1.71E-03	6.11E-07	1.84E-06	1.07E-06	1.09E-06	9.92E-07	4.52E-07	4.27E-07	0.00E+00	0.00E+00	1.96E-07	3.71E-08	2.36E-07	3.63E-08	3.30E-08	5.39E-07	5.57E-07	2.04E-07	2.78E-07	1.04E-07	5.57E-07	2.04E-07
259	488049.4	3856789	1.75E-03	1.79E-03	1.69E-03	6.04E-07	1.82E-06	1.06E-06	1.08E-06	9.81E-07	4.48E-07	4.22E-07	0.00E+00	0.00E+00	1.94E-07	3.67E-08	2.33E-07	3.59E-08	3.27E-08	5.33E-07	5.51E-07	2.02E-07	2.75E-07	1.03E-07	5.51E-07	2.02E-07
260	488099.4	3856789	1.73E-03	1.77E-03	1.67E-03	6.00E-07	1.81E-06	1.05E-06	1.07E-06	9.73E-07	4.44E-07	4.19E-07	0.00E+00	0.00E+00	1.93E-07	3.64E-08	2.31E-07	3.57E-08	3.24E-08	5.29E-07	5.47E-07	2.01E-07	2.73E-07	1.02E-07	5.47E-07	2.01E-07
261	488149.4	3856789	1.71E-03	1.75E-03	1.65E-03	5.93E-07	1.79E-06	1.04E-06	1.06E-06	9.62E-07	4.39E-07	4.14E-07	0.00E+00	0.00E+00	1.91E-07	3.60E-08	2.29E-07	3.52E-08	3.21E-08	5.22E-07	5.40E-07	1.98E-07	2.70E-07	1.01E-07	5.40E-07	1.98E-07
262	488199.4	3856789	1.70E-03	1.74E-03	1.64E-03	5.87E-07	1.77E-06	1.03E-06	1.05E-06	9.53E-07	4.35E-07	4.10E-07	0.00E+00	0.00E+00	1.89E-07	3.57E-08	2.26E-07	3.49E-08	3.17E-08	5.17E-07	5.35E-07	1.96E-07	2.67E-07	9.98E-08	5.35E-07	1.96E-07
263	488249.4	3856789	1.68E-03	1.72E-03	1.62E-03	5.80E-07	1.75E-06	1.01E-06	1.04E-06	9.42E-07	4.30E-07	4.05E-07	0.00E+00	0.00E+00	1.87E-07	3.53E-08	2.24E-07	3.45E-08	3.14E-08	5.12E-07	5.29E-07	1.94E-07	2.64E-07	9.87E-08	5.29E-07	1.94E-07
264	488299.4	3856789	1.66E-03	1.70E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	1.03E-06	9.30E-07	4.24E-07	4.00E-07	0.00E+00	0.00E+00	1.84E-07	3.48E-08	2.21E-07	3.41E-08	3.10E-08	5.05E-07	5.23E-07	1.92E-07	2.61E-07	9.75E-08	5.23E-07	1.92E-07
265	488349.4	3856789	1.65E-03	1.69E-03	1.59E-03	5.70E-07	1.72E-06	9.97E-07	1.02E-06	9.25E-07	4.22E-07	3.98E-07	0.00E+00	0.00E+00	1.83E-07	3.46E-08	2.20E-07	3.39E-08	3.08E-08	5.03E-07	5.20E-07	1.91E-07	2.59E-07	9.70E-08	5.20E-07	1.91E-07
266	488399.4	3856789	1.63E-03	1.67E-03	1.58E-03	5.66E-07	1.71E-06	9.89E-07	1.01E-06	9.18E-07	4.19E-07	3.95E-07	0.00E+00	0.00E+00	1.82E-07	3.44E-08	2.18E-07	3.36E-08	3.06E-08	4.99E-07	5.16E-07	1.89E-07	2.57E-07	9.62E-08	5.16E-07	1.89E-07
267	487949.4	3856839	1.83E-03	1.87E-03	1.77E-03	6.33E-07	1.91E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.42E-07	0.00E+00	0.00E+00	2.04E-07	3.85E-08	2.44E-07	3.76E-08	3.42E-08	5.58E-07	5.77E-07	2.12E-07	2.88E-07	1.08E-07	5.77E-07	2.12E-07
268	487999.4	3856839	1.81E-03	1.85E-03	1.75E-03	6.26E-07	1.89E-06	1.09E-06	1.12E-06	1.02E-06	4.63E-07	4.37E-07	0.00E+00	0.00E+00	2.01E-07	3.80E-08	2.41E-07	3.72E-08	3.38E-08	5.52E-07	5.71E-07	2.09E-07	2.85E-07	1.06E-07	5.71E-07	2.09E-07
269	488049.4	3856839	1.79E-03	1.83E-03	1.73E-03	6.19E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.58E-07	4.32E-07	0.00E+00	0.00E+00	1.99E-07	3.76E-08	2.39E-07	3.68E-08	3.35E-08	5.45E-07	5.64E-07	2.07E-07	2.82E-07	1.05E-07	5.64E-07	2.07E-07
270	488099.4	3856839	1.77E-03	1.81E-03	1.71E-03	6.13E-07	1.85E-06	1.07E-06	1.10E-06	9.94E-07	4.54E-07	4.28E-07	0.00E+00	0.00E+00	1.97E-07	3.72E-08	2.36E-07	3.64E-08	3.31E-08	5.40E-07	5.59E-07	2.05E-07	2.79E-07	1.04E-07	5.59E-07	2.05E-07
271	488149.4	3856839	1.75E-03	1.79E-03	1.69E-03	6.06E-07	1.83E-06	1.06E-06	1.09E-06	9.84E-07	4.49E-07	4.24E-07	0.00E+00	0.00E+00	1.95E-07	3.69E-08	2.34E-07	3.61E-08	3.28E-08	5.35E-07	5.53E-07	2.03E-07	2.76E-07	1.03E-07	5.53E-07	2.03E-07
272	488199.4	3856839	1.74E-03	1.78E-03	1.68E-03	6.01E-07	1.81E-06	1.05E-06	1.08E-06	9.75E-07	4.45E-07	4.20E-07	0.00E+00	0.00E+00	1.93E-07	3.65E-08	2.32E-07	3.57E-08	3.25E-08	5.30E-07	5.48E-07	2.01E-07	2.73E-07	1.02E-07	5.48E-07	2.01E-07
273	487949.4	3856889	1.87E-03	1.92E-03	1.81E-03	6.48E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.80E-07	4.52E-07	0.00E+00	0.00E+00	2.08E-07	3.94E-08	2.50E-07	3.85E-08	3.50E-08	5.71E-07	5.91E-07	2.17E-07	2.95E-07	1.10E-07	5.91E-07	2.17E-07
274	487999.4	3856889	1.86E-03	1.90E-03	1.79E-03	6.42E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.76E-07	4.49E-07	0.00E+00	0.00E+00	2.07E-07	3.90E-08	2.48E-07	3.82E-08	3.47E-08	5.66E-07	5.86E-07	2.15E-07	2.92E-07	1.09E-07	5.86E-07	2.15E-07
275	488049.4	3856889	1.83E-03	1.87E-03	1.77E-03	6.33E-07	1.91E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.42E-07	0.00E+00	0.00E+00	2.04E-07	3.85E-08	2.44E-07	3.76E-08	3.42E-08	5.58E-07	5.77E-07	2.12E-07	2.88E-07	1.08E-07	5.77E-07	2.12E-07
276	488099.4	3856889	1.81E-03	1.86E-03	1.75E-03	6.27E-07	1.89E-06	1.10E-06	1.12E-06	1.02E-06	4.65E-07	4.38E-07	0.00E+00	0.00E+00	2.02E-07	3.81E-08	2.42E-07	3.73E-08	3.39E-08	5.53E-07	5.72E-07	2.10E-07	2.86E-07	1.07E-07	5.72E-07	2.10E-07
277	488635.9	3857895	3.14E-03	3.21E-03	3.03E-03	1.09E-06	3.28E-06	1.90E-06	1.94E-06	1.76E-06	8.04E-07	7.58E-07	0.00E+00	0.00E+00	3.49E-07	6.60E-08	4.19E-07	6.46E-08	5.87E-08	9.57E-07	9.90E-07	3.63E-07	4.94E-07	1.85E-07	9.90E-07	3.63E-07
278	489137.6	3857804	2.36E-03	2.42E-03	2.28E-03	8.16E-07	2.47E-06	1.43E-06	1.46E-06	1.32E-06	6.05E-07	5.70E-07	0.00E+00	0.00E+00	2.63E-07	4.96E-08	3.15E-07	4.85E-08	4.42E-08	7.20E-07	7.44E-07	2.73E-07	3.72E-07	1.39E-07	7.44E-07	2.73E-07
279	488617.3	3857859	3.06E-03	3.13E-03	2.95E-03	1.06E-06	3.19E-06	1.85E-06	1.89E-06	1.72E-06	7.83E-07	7.39E-07	0.00E+00	0.00E+00	3.40E-07	6.43E-08	4.08E-07	6.29E-08	5.72E-08	9.32E-07	9.64E-07	3.54E-07	4.81E-07	1.80E-07	9.64E-07	3.54E-07
280	488667.3	3857859	2.98E-03	3.05E-03	2.88E-03	1.03E-06	3.12E-06	1.80E-06	1.85E-06	1.67E-06	7.64E-07	7.21E-07	0.00E+00	0.00E+00	3.32E-07	6.27E-08	3.98E-07	6.14E-08	5.58E-08	9.10E-07	9.41E-07	3.45E-07	4.70E-07	1.76E-07	9.41E-07	3.45E-07
281	488717.3	3857859	2.91E-03	2.98E-03	2.81E-03	1.01E-06	3.04E-06	1.76E-06	1.80E-06	1.64E-06	7.46E-07	7.04E-07	0.00E+00	0.00E+00	3.24E-07	6.13E-08	3.89E-07	5.99E-08	5.45E-08	8.89E-07	9.19E-07	3.37E-07	4.59E-07	1.71E-07	9.19E-07	3.37E-07
282	488767.3	3857859	2.85E-03	2.92E-03	2.76E-03	9.88E-07	2.98E-06	1.73E-06	1.77E-06	1.60E-06	7.31E-07	6.90E-07	0.00E+00	0.00E+00	3.18E-07	6.00E-08	3.81E-07	5.87E-08	5.34E-08	8.71E-07	9.00E-07	3.30E-07	4.49E-07	1.68E-07	9.00E-07	3.30E-07
283	488617.3	3857909	3.21E-03	3.29E-03	3.10E-03	1.11E-06	3.36E-06	1.94E-06	1.99E-06	1.80E-06	8.23E-07	7.76E-07	0.00E+00	0.00E+00	3.57E-07	6.75E-08	4.28E-07	6.61E-08	6.01E-08	9.79E-07	1.01E-06	3.72E-07	5.06E-07	1.89E-07	1.01E-06	3.72E-07
284	488667.3	3857909	3.14E-03	3.22E-03	3.03E-03	1.09E-06	3.28E-06	1.90E-06	1.95E-06	1.76E-06	8.05E-07	7.59E-07	0.00E+00	0.00E+00	3.50E-07	6.61E-08	4.19E-07	6.46E-08	5.88E-08	9.58E-07	9.91E-07	3.64E-07	4.95E-07	1.85E-07	9.91E-07	3.64E-07
285	488717.3	3857909	3.06E-03	3.13E-03	2.95E-03	1.06E-06	3.19E-06	1.85E-06	1.89E-06	1.72E-06	7.83E-07	7.39E-07	0.00E+00	0.00E+00	3.40E-07	6.43E-08	4.08E-07	6.29E-08	5.72E-08	9.32E-07	9.64E-07	3.54E-07	4.81E-07	1.80E-07	9.64E-07	3.54E-07
286	488767.3	3857909	2.99E-03	3.06E-03	2.89E-03	1.03E-06	3.12E-06	1.81E-06	1.85E-06	1.68E-06	7.66E-07	7.23E-07	0.00E+00	0.00E+00	3.33E-07	6.29E-08	3.99E-07	6.15E-08	5.60E-08	9.12E-07	9.43E-07	3.46E-07	4.71E-07	1.76E-07	9.43E-07	3.46E-07
287	488417.3	3857959	3.78E-03	3.88E-03	3.66E-03	1.31E-06	3.96E-06	2.29E-06	2.35E-06	2.13E-06	9.70E-07	9.15E-07	0.00E+00	0.00E+00	4.21E-07	7.96E-08	5.05E-07	7.79E-08	7.08E-08	1.15E-06	1.19E-06	4.38E-07	5.96E-07	2.23E-07	1.19E-06	4.38E-07
288	488467.3	3857959	3.68E-03	3.77E-03	3.55E-03	1.27E-06	3.84E-06	2.22E-06	2.28E-06	2.07E-06	9.42E-07	8.89E-07	0.00E+00	0.00E+00	4.09E-07	7.73E-08	4.91E-07	7.57E-08	6.88E-08	1.12E-06	1.16E-06	4.26E-07	5.79E-07	2.16E-07	1.16E-06	4.26E-07
289	488517.3	3857959	3.58E-03	3.66E-03	3.46E-03	1.24E-06	3.74E-06	2.16E-06	2.22E-06	2.01E-06	9.17E-07	8.65E-07	0.00E+00	0.00E+00	3.98E-07	7.53E-08	4.78E-07	7.36E-08	6.70E-08	1.09E-06	1.13E-06	4.14E-07	5.64E-07	2.11E-07	1.13E-06	4.14E-07

290	488567.3	3857959	3.48E-03	3.57E-03	3.37E-03	1.21E-06	3.64E-06	2.11E-06	2.16E-06	1.96E-06	8.93E-07	8.43E-07	0.00E+00	0.00E+00	3.88E-07	7.33E-08	4.65E-07	7.17E-08	6.52E-08	1.06E-06	1.10E-06	4.03E-07	5.49E-07	2.05E-07	1.10E-06	4.03E-07
291	488617.3	3857959	3.39E-03	3.47E-03	3.28E-03	1.17E-06	3.54E-06	2.05E-06	2.10E-06	1.90E-06	8.69E-07	8.20E-07	0.00E+00	0.00E+00	3.77E-07	7.13E-08	4.53E-07	6.98E-08	6.35E-08	1.03E-06	1.07E-06	3.92E-07	5.34E-07	2.00E-07	1.07E-06	3.92E-07
292	488667.3	3857959	3.30E-03	3.38E-03	3.19E-03	1.14E-06	3.45E-06	2.00E-06	2.05E-06	1.85E-06	8.46E-07	7.98E-07	0.00E+00	0.00E+00	3.68E-07	6.94E-08	4.41E-07	6.80E-08	6.18E-08	1.01E-06	1.04E-06	3.82E-07	5.20E-07	1.94E-07	1.04E-06	3.82E-07
293	488717.3	3857959	3.22E-03	3.30E-03	3.11E-03	1.11E-06	3.37E-06	1.95E-06	2.00E-06	1.81E-06	8.25E-07	7.79E-07	0.00E+00	0.00E+00	3.58E-07	6.77E-08	4.30E-07	6.63E-08	6.03E-08	9.83E-07	1.02E-06	3.73E-07	5.07E-07	1.90E-07	1.02E-06	3.73E-07
294	488767.3	3857959	3.14E-03	3.22E-03	3.03E-03	1.09E-06	3.28E-06	1.90E-06	1.95E-06	1.76E-06	8.05E-07	7.59E-07	0.00E+00	0.00E+00	3.50E-07	6.61E-08	4.19E-07	6.46E-08	5.88E-08	9.58E-07	9.91E-07	3.64E-07	4.95E-07	1.85E-07	9.91E-07	3.64E-07
295	488417.3	3858009	4.04E-03	4.14E-03	3.90E-03	1.40E-06	4.22E-06	2.44E-06	2.50E-06	2.27E-06	1.04E-06	9.76E-07	0.00E+00	0.00E+00	4.49E-07	8.49E-08	5.39E-07	8.31E-08	7.56E-08	1.23E-06	1.27E-06	4.67E-07	6.36E-07	2.38E-07	1.27E-06	4.67E-07
296	488467.3	3858009	3.92E-03	4.01E-03	3.79E-03	1.36E-06	4.10E-06	2.37E-06	2.43E-06	2.20E-06	1.00E-06	9.47E-07	0.00E+00	0.00E+00	4.36E-07	8.24E-08	5.23E-07	8.07E-08	7.34E-08	1.20E-06	1.24E-06	4.54E-07	6.17E-07	2.31E-07	1.24E-06	4.54E-07
297	488517.3	3858009	3.80E-03	3.90E-03	3.68E-03	1.32E-06	3.98E-06	2.30E-06	2.36E-06	2.14E-06	9.75E-07	9.20E-07	0.00E+00	0.00E+00	4.24E-07	8.00E-08	5.08E-07	7.83E-08	7.12E-08	1.16E-06	1.20E-06	4.40E-07	5.99E-07	2.24E-07	1.20E-06	4.40E-07
298	488567.3	3858009	3.70E-03	3.79E-03	3.57E-03	1.28E-06	3.87E-06	2.24E-06	2.29E-06	2.08E-06	9.48E-07	8.95E-07	0.00E+00	0.00E+00	4.12E-07	7.78E-08	4.94E-07	7.62E-08	6.93E-08	1.13E-06	1.17E-06	4.28E-07	5.83E-07	2.18E-07	1.17E-06	4.28E-07
299	488617.3	3858009	3.59E-03	3.68E-03	3.47E-03	1.24E-06	3.75E-06	2.17E-06	2.23E-06	2.02E-06	9.20E-07	8.68E-07	0.00E+00	0.00E+00	4.00E-07	7.55E-08	4.79E-07	7.39E-08	6.72E-08	1.10E-06	1.13E-06	4.16E-07	5.66E-07	2.11E-07	1.13E-06	4.16E-07
300	488667.3	3858009	3.49E-03	3.57E-03	3.37E-03	1.21E-06	3.65E-06	2.11E-06	2.16E-06	1.96E-06	8.94E-07	8.43E-07	0.00E+00	0.00E+00	3.88E-07	7.34E-08	4.66E-07	7.18E-08	6.53E-08	1.06E-06	1.10E-06	4.04E-07	5.49E-07	2.05E-07	1.10E-06	4.04E-07
301	488717.3	3858009	3.40E-03	3.48E-03	3.28E-03	1.18E-06	3.55E-06	2.05E-06	2.10E-06	1.91E-06	8.71E-07	8.21E-07	0.00E+00	0.00E+00	3.78E-07	7.14E-08	4.53E-07	6.99E-08	6.36E-08	1.04E-06	1.07E-06	3.93E-07	5.35E-07	2.00E-07	1.07E-06	3.93E-07
302	488767.3	3858009	3.31E-03	3.39E-03	3.20E-03	1.15E-06	3.46E-06	2.00E-06	2.05E-06	1.86E-06	8.48E-07	8.00E-07	0.00E+00	0.00E+00	3.68E-07	6.96E-08	4.42E-07	6.81E-08	6.20E-08	1.01E-06	1.04E-06	3.83E-07	5.21E-07	1.95E-07	1.04E-06	3.83E-07
303	488417.3	3858059	4.34E-03	4.44E-03	4.19E-03	1.50E-06	4.54E-06	2.63E-06	2.69E-06	2.44E-06	1.11E-06	1.05E-06	0.00E+00	0.00E+00	4.83E-07	9.13E-08	5.79E-07	8.93E-08	8.12E-08	1.32E-06	1.37E-06	5.02E-07	6.84E-07	2.55E-07	1.37E-06	5.02E-07
304	488467.3	3858059	4.20E-03	4.30E-03	4.06E-03	1.45E-06	4.39E-06	2.54E-06	2.60E-06	2.36E-06	1.08E-06	1.02E-06	0.00E+00	0.00E+00	4.67E-07	8.83E-08	5.60E-07	8.64E-08	7.86E-08	1.28E-06	1.33E-06	4.86E-07	6.61E-07	2.47E-07	1.33E-06	4.86E-07
305	488517.3	3858059	4.07E-03	4.16E-03	3.93E-03	1.41E-06	4.25E-06	2.46E-06	2.52E-06	2.28E-06	1.04E-06	9.83E-07	0.00E+00	0.00E+00	4.53E-07	8.55E-08	5.43E-07	8.37E-08	7.61E-08	1.24E-06	1.28E-06	4.71E-07	6.41E-07	2.39E-07	1.28E-06	4.71E-07
306	488567.3	3858059	3.94E-03	4.04E-03	3.81E-03	1.37E-06	4.12E-06	2.39E-06	2.44E-06	2.22E-06	1.01E-06	9.54E-07	0.00E+00	0.00E+00	4.39E-07	8.30E-08	5.26E-07	8.12E-08	7.38E-08	1.20E-06	1.24E-06	4.57E-07	6.21E-07	2.32E-07	1.24E-06	4.57E-07
307	488617.3	3858059	3.83E-03	3.92E-03	3.70E-03	1.32E-06	4.00E-06	2.32E-06	2.37E-06	2.15E-06	9.81E-07	9.25E-07	0.00E+00	0.00E+00	4.26E-07	8.05E-08	5.11E-07	7.88E-08	7.16E-08	1.17E-06	1.21E-06	4.43E-07	6.03E-07	2.25E-07	1.21E-06	4.43E-07
308	488667.3	3858059	3.71E-03	3.80E-03	3.58E-03	1.28E-06	3.88E-06	2.24E-06	2.30E-06	2.08E-06	9.51E-07	8.97E-07	0.00E+00	0.00E+00	4.13E-07	7.80E-08	4.95E-07	7.63E-08	6.94E-08	1.13E-06	1.17E-06	4.29E-07	5.84E-07	2.18E-07	1.17E-06	4.29E-07
309	488417.3	3858109	4.66E-03	4.78E-03	4.51E-03	1.61E-06	4.87E-06	2.82E-06	2.89E-06	2.62E-06	1.20E-06	1.13E-06	0.00E+00	0.00E+00	5.19E-07	9.81E-08	6.23E-07	9.60E-08	8.73E-08	1.42E-06	1.47E-06	5.40E-07	7.35E-07	2.75E-07	1.47E-06	5.40E-07
310	488467.3	3858109	4.51E-03	4.62E-03	4.36E-03	1.56E-06	4.71E-06	2.73E-06	2.79E-06	2.53E-06	1.16E-06	1.09E-06	0.00E+00	0.00E+00	5.02E-07	9.48E-08	6.02E-07	9.28E-08	8.44E-08	1.38E-06	1.42E-06	5.22E-07	7.10E-07	2.65E-07	1.42E-06	5.22E-07
311	488517.3	3858109	4.36E-03	4.47E-03	4.22E-03	1.51E-06	4.56E-06	2.64E-06	2.70E-06	2.45E-06	1.12E-06	1.06E-06	0.00E+00	0.00E+00	4.86E-07	9.18E-08	5.83E-07	8.98E-08	8.17E-08	1.33E-06	1.38E-06	5.05E-07	6.88E-07	2.57E-07	1.38E-06	5.05E-07
312	488567.3	3858109	4.22E-03	4.32E-03	4.08E-03	1.46E-06	4.41E-06	2.55E-06	2.62E-06	2.37E-06	1.08E-06	1.02E-06	0.00E+00	0.00E+00	4.70E-07	8.88E-08	5.63E-07	8.69E-08	7.90E-08	1.29E-06	1.33E-06	4.89E-07	6.65E-07	2.48E-07	1.33E-06	4.89E-07
313	488617.3	3858109	4.09E-03	4.19E-03	3.95E-03	1.42E-06	4.27E-06	2.47E-06	2.53E-06	2.30E-06	1.05E-06	9.89E-07	0.00E+00	0.00E+00	4.55E-07	8.60E-08	5.46E-07	8.42E-08	7.66E-08	1.25E-06	1.29E-06	4.73E-07	6.44E-07	2.41E-07	1.29E-06	4.73E-07
314	488667.3	3858109	3.95E-03	4.05E-03	3.82E-03	1.37E-06	4.13E-06	2.39E-06	2.45E-06	2.22E-06	1.01E-06	9.55E-07	0.00E+00	0.00E+00	4.40E-07	8.31E-08	5.27E-07	8.13E-08	7.40E-08	1.21E-06	1.25E-06	4.57E-07	6.22E-07	2.33E-07	1.25E-06	4.57E-07
315	488769.9	3858449	6.28E-03	6.44E-03	6.07E-03	2.18E-06	6.57E-06	3.80E-06	3.89E-06	3.53E-06	1.61E-06	1.52E-06	0.00E+00	0.00E+00	7.00E-07	1.32E-07	8.39E-07	1.29E-07	1.18E-07	1.92E-06	1.98E-06	7.27E-07	9.90E-07	3.70E-07	1.98E-06	7.27E-07
316	488819.9	3858449	5.94E-03	6.09E-03	5.74E-03	2.06E-06	6.21E-06	3.60E-06	3.68E-06	3.34E-06	1.52E-06	1.44E-06	0.00E+00	0.00E+00	6.62E-07	1.25E-07	7.93E-07	1.22E-07	1.11E-07	1.81E-06	1.88E-06	6.88E-07	9.36E-07	3.50E-07	1.88E-06	6.88E-07
317	488819.9	3858499	6.61E-03	6.77E-03	6.38E-03	2.29E-06	6.91E-06	4.00E-06	4.09E-06	3.71E-06	1.69E-06	1.60E-06	0.00E+00	0.00E+00	7.36E-07	1.39E-07	8.82E-07	1.36E-07	1.24E-07	2.02E-06	2.09E-06	7.65E-07	1.04E-06	3.89E-07	2.09E-06	7.65E-07
318	488869.9	3858499	6.23E-03	6.38E-03	6.02E-03	2.16E-06	6.51E-06	3.77E-06	3.86E-06	3.50E-06	1.60E-06	1.51E-06	0.00E+00	0.00E+00	6.93E-07	1.31E-07	8.31E-07	1.28E-07	1.17E-07	1.90E-06	1.97E-06	7.21E-07	9.81E-07	3.67E-07	1.97E-06	7.21E-07
319	488869.9	3858549	6.96E-03	7.13E-03	6.72E-03	2.41E-06	7.27E-06	4.21E-06	4.31E-06	3.91E-06	1.78E-06	1.68E-06	0.00E+00	0.00E+00	7.75E-07	1.46E-07	9.29E-07	1.43E-07	1.30E-07	2.12E-06	2.20E-06	8.06E-07	1.10E-06	4.10E-07	2.20E-06	8.06E-07
320	489438.2	3859571	3.44E-03	3.52E-03	3.32E-03	1.19E-06	3.59E-06	2.08E-06	2.13E-06	1.93E-06	8.81E-07	8.31E-07	0.00E+00	0.00E+00	3.83E-07	7.23E-08	4.59E-07	7.08E-08	6.44E-08	1.05E-06	1.09E-06	3.98E-07	5.42E-07	2.02E-07	1.09E-06	3.98E-07
321	489488.2	3859571	3.76E-03	3.85E-03	3.63E-03	1.30E-06	3.93E-06	2.28E-06	2.33E-06	2.11E-06	9.64E-07	9.10E-07	0.00E+00	0.00E+00	4.19E-07	7.91E-08	5.02E-07	7.74E-08	7.04E-08	1.15E-06	1.19E-06	4.35E-07	5.93E-07	2.21E-07	1.19E-06	4.35E-07
322	489538.2	3859571	4.16E-03	4.26E-03	4.02E-03	1.44E-06	4.35E-06	2.52E-06	2.58E-06	2.34E-06	1.07E-06	1.01E-06	0.00E+00	0.00E+00	4.63E-07	8.75E-08	5.55E-07	8.56E-08	7.79E-08	1.27E-06	1.31E-06	4.81E-07	6.55E-07	2.45E-07	1.31E-06	4.81E-07
323	489588.2	3859571	4.64E-03	4.76E-03	4.49E-03	1.61E-06	4.85E-06	2.81E-06	2.88E-06	2.61E-06	1.19E-06	1.12E-06	0.00E+00	0.00E+00	5.17E-07	9.77E-08	6.20E-07	9.56E-08	8.69E-08	1.42E-06	1.47E-06	5.37E-07	7.31E-07	2.73E-07	1.47E-06	5.37E-07
324	489438.2	3859621	2.97E-03	3.04E-03	2.87E-03	1.03E-06	3.10E-06	1.80E-06	1.84E-06	1.67E-06	7.61E-07	7.18E-07	0.00E+00	0.00E+00	3.31E-07	6.25E-08	3.96E-07	6.11E-08	5.56E-08	9.06E-07	9.37E-07	3.44E-07	4.68E-07	1.75E-07	9.37E-07	3.44E-07
325	489488.2	3859621	3.20E-03	3.28E-03	3.09E-03	1.11E-06	3.35E-06	1.94E-06	1.98E-06	1.80E-06	8.21E-07	7.74E-07	0.00E+00	0.00E+00	3.56E-07	6.73E-08	4.27E-07	6.59E-08	5.99E-08	9.77E-07	1.01E-06	3.71E-07	5.04E-07	1.88E-07	1.01E-06	3.71E-07
326	489538.2	3859621	3.48E-03	3.56E-03	3.36E-03	1.20E-06	3.63E-06	2.10E-06	2.15E-06	1.95E-06	8.91E-07	8.41E-07	0.00E+00	0.00E+00	3.87E-07	7.31E-08	4.64E-07	7.16E-08	6.51E-08	1.06E-06	1.10E-06	4.03E-07	5.48E-07	2.05E-07	1.10E-06	4.03E-07
327	489588.2	3859621	3.82E-03	3.91E-03	3.69E-03	1.32E-06	3.99E-06	2.31E-06	2.36E-06	2.14E-06	9.78E-07	9.22E-07	0.00E+00	0.00E+00	4.25E-07	8.03E-08	5.09E-07	7.85E-08	7.14E-08	1.16E-06	1.20E-06	4.42E-07	6.01E-07	2.25E-07	1.20E-06	4.42E-07
328	489238.2	3859671	2.10E-03	2.16E-03	2.03E-03	7.29E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.39E-07	5.09E-07	0.00E+00	0.00E+00	2.34E-07	4.43E-08	2.81E-07	4.33E-08	3.94E-08	6.42E-07	6.64E-07	2.44E-07	3.32E-07	1.24E-07	6.64E-07	2.44E-07
329	489288.2	3859671	2.21E-03	2.26E-03	2.13E-03	7.65E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.66E-07	5.34E-07	0.00E+00	0.00E+00	2.46E-07	4.65E-08	2.95E-07	4.55E-08	4.14E-08	6.74E-07	6.97E-07	2.56E-07	3.48E-07	1.30E-07	6.97E-07	2.56E-07
330	489338.2	3859671	2.33E-03	2.39E-03	2.25E-03	8.07E-07	2.44E-06	1.41E-06	1.44E-06	1.31E-06	5.97E-07	5.63E-07	0.00E+00	0.00E+00	2.59E-07	4.90E-08	3.11E-07	4.80E-08	4.36E-08	7.11E-07	7.36E-07	2.70E-07	3.67E-07	1.37E-07	7.36E-07	2.70E-07
331	489388.2	3859671	2.47E-03	2.53E-03	2.39E-03	8.55E-07	2.58E-06	1.49E-06	1.53E-06	1.39E-06	6.33E-07	5.97E-07	0.00E+00	0.00E+00	2.75E-07	5.20E-08	3.30E-07	5.09E-08	4.63E-08	7.54E-07	7.80E-07	2.86E-07	3.89E-07	1.45E-07	7.80E-07	2.86E-07
332	489438.2	3859671	2.62E-03	2.68E-03	2.53E-03	9.07E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.72E-07	6.34E-07	0.00E+00	0.00E+00	2.92E-07	5.51E-08	3.50E-07	5.40E-08	4.91E-08	8.00E-07	8.27E-07	3.03E-07	4.13E-07	1.54E-07	8.27E-07	3.03E-07
333	489488.2	3859671	2.80E-03	2.87E-03	2.71E-03	9.70E-07	2.93E-06	1.70E-06	1.74E-06	1.57E-06	7.18E-07	6.78E-07	0.00E+00	0.00E+00	3.12E-07	5.90E-08	3.74E-07	5.77E-08	5.25E-08	8.55E-07	8.85E-07	3.24E-07	4.42E-07	1.65E-07	8.85E-07	3.24E-07
334	489538.2	3859671	3.01E-03	3.08E-03	2.91E-03	1.04E-06	3.14E-06	1.82E-06	1.86E-06	1.69E-06	7.71E-07	7.27E-07	0.00E+00	0.00E+00	3.35E-07	6.33E-08	4.01E-07	6.19E-08	5.63E-08	9.18E-07	9.49E-07	3.48E-07	4.74E-07	1.77E-07	9.49E-07	3.48E-07
335	489588.2	3859671	3.25E-03	3.33E-03	3.14E-03	1.12E-06	3.40E-06	1.97E-06	2.01E-06	1.82E-06	8.33E-07	7.85E-07	0.00E+00	0.00E+00	3.62E-07	6.83E-08	4.34E-07	6.69E-08	6.08E-08	9.91E-07	1.03E-06	3.76E-07	5.12E-07	1.91E-07	1.03E-06	3.76E-07
336	489238.2	3859721	1.94E-03	1.98E-03	1.87E-03	6.70E-07	2.02E-06	1.17E-06	1.20E-06	1.09E-06	4.96E-07	4.68E-07	0.00E+00	0.00E+00	2.16E-07	4.07E-08	2.58E-07	3.99E-08	3.63E-08	5.91E-07	6.11E-07	2.24E-07	3.05E-07	1.14E-07	6.11E-07	2.24E-07
337	489288.2	3859721	2.03E-03	2.08E-03	1.96E-03	7.02E-07	2.12E-06	1.23E-06	1.26E-06	1.14E-06	5.20E-07	4.90E-07	0.00E+00	0.00E+00	2.26E-07	4.27E-08	2.71E-07	4.17E-08	3.80E-08	6.19E-07	6.40E-07	2.35E-07	3.19E-07	1.19E-07	6.40E-07	2.35E-07
338	489338.2	3859721	2.13E-03	2.18E-03	2.05E-03	7.36E-07	2.22E-06	1.29E-06	1.32E-06	1.19E-06	5.45E-07	5.14E-07	0.00E+00	0.00E+00	2.37E-07	4.47E-08	2.84E-07	4.37E-08	3.98E-08	6.48E-07	6.71E-07	2.46E-07	3.35E-07	1.25E-07	6.71E-07	2.46E-07
339	489388.2	3859721	2.23E-03	2.29E-03	2.16E-03	7.73E-07	2.34E-06	1.35E-06	1.38E-06	1.26E-06	5.73E-07	5.40E-07	0.00E+00	0.00E+00	2.49E-07	4.70E-08	2.98E-07	4.60E-08	4.18E-08	6.82E-07	7.05E-07	2.59E-07	3.52E-07	1.32E-07	7.05E-07	2.59E-07
340	489438.2	3859721	2.35E-03	2.41E-03	2.27E-03	8.15E-07	2.46E-06	1.42E-06	1.46E-06	1.32E-06	6.03E-07	5.69E-07	0.00E+00	0.00E+00	2.62E-07	4.95E-08	3.14E-07	4.85E-08	4.41E-08	7.18E-07	7.43E-07	2.72E-07	3.71E-07	1.39E-07	7.43E-07	2.72E-07
341	489488.2	3859721	2.50E-03	2.56E-03	2.41E-03	8.64E-07	2.61E-06	1.51E-06	1.55E-06	1.40E-06	6.40E-07	6.03E-07	0.00E+00	0.00E+00	2.78E-07	5.25E-08	3.33E-07	5.14E-08	4.67E-08	7.62E-07	7.88E-07	2.89E-07	3.93E-07	1.47E-07	7.88E-07	2.89E-07
342	489538.2	3859721	2.65E-03	2.72E-03	2.56E-03	9.19E-07	2.77E-06	1.61E-06	1.64E-06	1.49E-06	6.80E-07	6.42E-07	0.00E+00	0.00E+00	2.95E-07	5.58E-08	3.54E-07	5.46E-08	4.97E-08	8.10E-07	8.38E-07	3.07E-07	4.18E-07	1.56E-07	8.38E-07	3.07E-07
343	489588.2	3859721	2.83E-03	2.90E-03	2.74E-03	9.80E-07	2.96E-06	1.71E-06	1.76E-06	1.59E-06	7.26E-07	6.85E-07	0.00E+00	0.00E+00	3.15E-07	5.96E-08	3.78E-07	5.83E-08	5.30E-08	8.64E-07	8.94E-07	3.28E-07	4.46E-07	1.67E-07	8.94E-07	3.28E-07
344	489238.2	3859771	1.80E-03	1.84E-03	1.74E-03	6.22E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.60E-07	4.34E-07	0.00E+00	0.00E+00	2.00E-07	3.78E-08	2.40E-07	3.70E-08	3.36E-08	5.48E-07	5.67E-07	2.08E-07	2.83E-07	1.06E-07	5.67E-07	2.08E-07
345	489288.2	3859771	1.87E-03	1.92E-03	1.81E-03	6.48E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.80E-07	4.53E-07	0.00E+00	0.00E+00	2.08E-07	3.94E-08	2.50E-07	3.86E-08	3.51E-08	5.71E-07	5.91E-07	2.17E-07	2.95E-07	1.10E-07	5.91E-07	2.17E-07
346	489338.2	3859771	1.95E-03	2.00E-03	1.89E-03	6.76E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.01E-07	4.72E-07	0.00E+00	0.00E+00	2.17E-07	4.11E-08	2.61E-07	4.02E-08	3.66E-08	5.96E-07	6.16E-07	2.26E-07	3.08E-07	1.15E-07	6.16E-07	2.26E-07
347	489388.2	3859771	2.04E-03	2.09E-03	1.97E-03	7.07E-07	2.13E-06	1.24E-06	1.26E-06	1.15E-06	5.23E-07	4.94E-07	0.00E+00	0.00E+00	2.27E-07	4.29E-08	2.72E-07	4.20E-08	3.82E-08	6.23E-07	6.44E-07	2.36E-07	3.22E-07	1.20E-07	6.44E-07	2.36E-07
348	489438.2	3859771	2.14E-03	2.19E-03	2.07E-03	7.40E-07	2.24E-06	1.29E-06	1.33E-06	1.20E-06	5.48E-07	5.17E-07	0.00E+00	0.00E+00	2.38E-07	4.50E-08	2.85E-07	4.40E-08	4.00E-08	6.53E-07	6.75E-07	2.48E-07	3.37E-07	1.26E-07	6.75E-07	2.48E-07
349	489488.2	3859771	2.25E-03	2.31E-03	2.18E-03	7.80E-07	2.36E-06	1.36E-06	1.40E-06	1.27E-06	5.78E-07	5.45E-07	0.00E+00	0.00E+00	2.51E-07	4.74E-08	3.01E-07	4.64E-08	4.22E-08	6.88E-07	7.11E-07	2.61E-07	3.55E-07	1.33E-07	7.11E-07	2.61E-07
350	489538.2	3859771	2.38E-03	2.43E-03	2.30E-03	8.23E-07	2.48E-06	1.44E-06	1.47E-06	1.33E-06	6.09E-07	5.75E-07	0.00E+00	0.00E+00	2.65E-07	5.00E-08	3.17E-07	4.89E-08	4.45E-08	7.25E-07	7.50E-07	2.75E-07	3.74E-07	1.40E-07	7.50E-07	2.75E-07
351	489588.2	3859771	2.51E-03	2.57E-03	2.43E-03	8.70E-07	2.63E-06	1.52E-06	1.56E-06	1.41E-06	6.44E-07	6.08E-07	0.00E+00	0.00E+00	2.80E-07	5.29E-08	3.35E-07	5.17E-08	4.71E-08	7.67E-07	7.93E-07	2.91E-07	3.96E-07	1.48E-07	7.93E-07	2.91E-07
352	489238.2	3859821	1.68E-03	1.72E-03	1.62E-03	5.80E-07	1.75E-06	1.01E-06	1.04E-06	9.42E-07	4.30E-07	4.05E-07	0.00E+00	0.00E+00	1.87E-07	3.53E-08	2.24E-07	3.45E-08	3.14E-08	5.12E-07	5.29E-07	1.94E-07	2.64E-07	9.87E-08	5.29E-07	1.94E-07
353	489288.2	3859821	1.74E-03	1.78E-03	1.68E-03	6.03E-07	1.82E-06	1.05E-06	1.08E-06	9.78E-07	4.46E-07	4.21E-07	0.00E+00	0.00E+00	1.94E-07	3.66E-08	2.32E-07	3.58E-08	3.26E-08	5.31E-07	5.50E-07	2.02E-07	2.74E-07	1.03E-07	5.50E-07	2.02E-07
354	489338.2	3859821	1.81E-03	1.85E-03	1.75E-03	6.26E-07	1.89E-06	1.09E-06	1.12E-06	1.02E-06	4.63E-07	4.37E-07	0.00E+00	0.00E+00	2.01E-07	3.80E-08	2.41E-07	3.72E-08	3.38E-08	5.52E-07	5.71E-07	2.09E-07	2.85E-07	1.06E-07	5.71E-07	2.09E-07
355	489388.2	3859821	1.88E-03	1.93E-03	1.82E-03	6.52E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.83E-07	4.55E-07	0.00E+00	0.00E+00	2.10E-07	3.96E-08	2.51E-07	3.88E-08	3.53E-08	5.75E-07	5.94E-07	2.18E-07	2.97E-07	1.11E-07	5.94E-07	2.18E-07
356	489438.2	3859821	1.97E-03	2.01E-03	1.90E-03	6.81E-07	2.05E-06	1.19E-06	1.22E-06	1.10E-06	5.04E-07	4.75E-07	0.00E+00	0.00E+00	2.19E-07	4.14E-08	2.62E-07	4.05E-08	3.68E-08	6.00E-07	6.20E-07	2.28E-07	3.10E-07	1.16E-07	6.20E-07	2.28E-07
357	489488.2	3859821	2.06E-03	2.11E-03	1.99E-03	7.12E-07	2.15E-06	1.24E-06	1.28E-06	1.16E-06	5.27E-07	4.97E-07	0.00E+00	0.00E+00	2.29E-07	4.33E-08	2.75E-07	4.23E-08	3.85E-08	6.28E-07	6.49E-07	2.38E-07	3.24E-07	1.21E-07	6.49E-07	2.38E-07
358	489538.2	3859821	2.15E-03	2.21E-03	2.08E-03	7.46E-07	2.25E-06	1.30E-06	1.34E-06	1.21E-06	5.52E-07	5.21E-07	0.00E+00	0.00E+00	2.40E-07	4.53E-08	2.88E-07	4.44E-08	4.03E-08	6.57E-07	6.80E-07	2.49E-07	3.39E-07	1.27E-07	6.80E-07	2.49E-07
359	489588.2	3859821	2.26E-03	2.32E-03	2.18E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.80E-07	5.47E-07	0.00E+00	0.00E+00	2.52E-07	4.76E-08	3.02E-07	4.65E-08	4.23E-08	6.90E-07	7.14E-07	2.62E-07	3.56E-07	1.33E-07	7.14E-07	2.62E-07
360	489238.2	3859871	1.57E-03	1.61E-03	1.52E-03	5.45E-07	1.64E-06	9.52E-07	9.75E-07	8.84E-07	4.03E-07	3.80E-07	0.00E+00	0.00E+00	1.75E-07	3.31E-08	2.10E-07	3.24E-08	2.95E-08	4.80E-07	4.97E-07	1.82E-07	2.48E-07	9.26E-08	4.97E-07	1.82E-07
361	489288.2	3859871	1.63E-03	1.67E-03	1.57E-03	5.64E-07	1.70E-06	9.85E-07	1.01E-06	9.15E-07	4.17E-07	3.94E-07	0.00E+00	0.00E+00	1.81E-07	3.42E-08	2.17E-07	3.35E-08	3.05E-08	4.97E-07	5.14E-07	1.88E-07	2.56E-07	9.58E-08	5.14E-07	1.88E-07
362	489338.2	3859871	1.69E-03	1.73E-03	1.63E-03	5.83E-07	1.76E-06	1.02E-06	1.04E-06	9.47E-07	4.32E-07	4.08E-07	0.00E+00	0.00E+00	1.88E-07	3.55E-08	2.25E-07	3.47E-08	3.16E-08	5.14E-07	5.32E-07	1.95E-07	2.66E-07	9.92E-08	5.32E-07	1.95E-07
363	489388.2	3859871	1.75E-03	1.79E-03	1.69E-03	6.06E-07	1.83E-06	1.06E-06	1.08E-06	9.83E-07	4.49E-07	4.23E-07	0.00E+00	0.00E+00	1.95E-07	3.68E-08	2.34E-07	3.60E-08	3.28E-08	5.34E-07	5.52E-07	2.03E-07	2.76E-07	1.03E-07	5.52E-07	2.03E-07

364	489438.2	3859871	1.82E-03	1.87E-03	1.76E-03	6.30E-07	1.90E-06	1.10E-06	1.13E-06	1.02E-06	4.67E-07	4.40E-07	0.00E+00	0.00E+00	2.03E-07	3.83E-08	2.43E-07	3.75E-08	3.41E-08	5.56E-07	5.75E-07	2.11E-07	2.87E-07	1.07E-07	5.75E-07	2.11E-07
365	489488.2	3859871	1.89E-03	1.94E-03	1.83E-03	6.55E-07	1.98E-06	1.14E-06	1.17E-06	1.06E-06	4.85E-07	4.57E-07	0.00E+00	0.00E+00	2.11E-07	3.98E-08	2.53E-07	3.89E-08	3.54E-08	5.77E-07	5.97E-07	2.19E-07	2.98E-07	1.11E-07	5.97E-07	2.19E-07
366	489538.2	3859871	1.97E-03	2.02E-03	1.90E-03	6.82E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	5.05E-07	4.76E-07	0.00E+00	0.00E+00	2.19E-07	4.14E-08	2.63E-07	4.06E-08	3.69E-08	6.01E-07	6.22E-07	2.28E-07	3.10E-07	1.16E-07	6.22E-07	2.28E-07
367	489588.2	3859871	2.06E-03	2.11E-03	1.99E-03	7.12E-07	2.15E-06	1.24E-06	1.27E-06	1.15E-06	5.27E-07	4.97E-07	0.00E+00	0.00E+00	2.29E-07	4.32E-08	2.74E-07	4.23E-08	3.85E-08	6.27E-07	6.49E-07	2.38E-07	3.24E-07	1.21E-07	6.49E-07	2.38E-07
368	489238.2	3859921	1.49E-03	1.52E-03	1.44E-03	5.14E-07	1.55E-06	8.99E-07	9.21E-07	8.35E-07	3.81E-07	3.59E-07	0.00E+00	0.00E+00	1.65E-07	3.13E-08	1.98E-07	3.06E-08	2.78E-08	4.53E-07	4.69E-07	1.72E-07	2.34E-07	8.75E-08	4.69E-07	1.72E-07
369	489288.2	3859921	1.53E-03	1.57E-03	1.48E-03	5.31E-07	1.60E-06	9.28E-07	9.50E-07	8.61E-07	3.93E-07	3.71E-07	0.00E+00	0.00E+00	1.71E-07	3.23E-08	2.05E-07	3.16E-08	2.87E-08	4.68E-07	4.84E-07	1.78E-07	2.42E-07	9.03E-08	4.84E-07	1.78E-07
370	489338.2	3859921	1.58E-03	1.62E-03	1.53E-03	5.48E-07	1.66E-06	9.58E-07	9.81E-07	8.90E-07	4.06E-07	3.83E-07	0.00E+00	0.00E+00	1.76E-07	3.33E-08	2.11E-07	3.26E-08	2.96E-08	4.83E-07	5.00E-07	1.83E-07	2.49E-07	9.32E-08	5.00E-07	1.83E-07
371	489388.2	3859921	1.64E-03	1.68E-03	1.58E-03	5.67E-07	1.71E-06	9.91E-07	1.02E-06	9.20E-07	4.20E-07	3.96E-07	0.00E+00	0.00E+00	1.82E-07	3.45E-08	2.19E-07	3.37E-08	3.07E-08	5.00E-07	5.17E-07	1.90E-07	2.58E-07	9.64E-08	5.17E-07	1.90E-07
372	489438.2	3859921	1.69E-03	1.73E-03	1.64E-03	5.86E-07	1.77E-06	1.02E-06	1.05E-06	9.51E-07	4.34E-07	4.09E-07	0.00E+00	0.00E+00	1.88E-07	3.56E-08	2.26E-07	3.48E-08	3.17E-08	5.17E-07	5.34E-07	1.96E-07	2.67E-07	9.97E-08	5.34E-07	1.96E-07
373	489488.2	3859921	1.75E-03	1.79E-03	1.69E-03	6.06E-07	1.83E-06	1.06E-06	1.08E-06	9.83E-07	4.49E-07	4.23E-07	0.00E+00	0.00E+00	1.95E-07	3.68E-08	2.34E-07	3.60E-08	3.28E-08	5.34E-07	5.52E-07	2.03E-07	2.76E-07	1.03E-07	5.52E-07	2.03E-07
374	489538.2	3859921	1.81E-03	1.86E-03	1.75E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.65E-07	4.39E-07	0.00E+00	0.00E+00	2.02E-07	3.82E-08	2.42E-07	3.73E-08	3.40E-08	5.53E-07	5.72E-07	2.10E-07	2.86E-07	1.07E-07	5.72E-07	2.10E-07
375	489588.2	3859921	1.87E-03	1.92E-03	1.81E-03	6.49E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.80E-07	4.53E-07	0.00E+00	0.00E+00	2.09E-07	3.94E-08	2.50E-07	3.86E-08	3.51E-08	5.72E-07	5.92E-07	2.17E-07	2.95E-07	1.10E-07	5.92E-07	2.17E-07
376	489238.2	3859971	1.41E-03	1.44E-03	1.36E-03	4.88E-07	1.47E-06	8.53E-07	8.73E-07	7.92E-07	3.61E-07	3.41E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.90E-08	2.64E-08	4.30E-07	4.45E-07	1.63E-07	2.22E-07	8.30E-08	4.45E-07	1.63E-07
377	489288.2	3859971	1.45E-03	1.48E-03	1.40E-03	5.02E-07	1.51E-06	8.77E-07	8.98E-07	8.14E-07	3.72E-07	3.50E-07	0.00E+00	0.00E+00	1.61E-07	3.05E-08	1.93E-07	2.98E-08	2.71E-08	4.42E-07	4.57E-07	1.68E-07	2.28E-07	8.53E-08	4.57E-07	1.68E-07
378	489338.2	3859971	1.49E-03	1.53E-03	1.44E-03	5.17E-07	1.56E-06	9.04E-07	9.26E-07	8.39E-07	3.83E-07	3.61E-07	0.00E+00	0.00E+00	1.66E-07	3.14E-08	1.99E-07	3.07E-08	2.80E-08	4.56E-07	4.71E-07	1.73E-07	2.35E-07	8.79E-08	4.71E-07	1.73E-07
379	489388.2	3859971	1.54E-03	1.58E-03	1.49E-03	5.32E-07	1.61E-06	9.31E-07	9.53E-07	8.64E-07	3.94E-07	3.72E-07	0.00E+00	0.00E+00	1.71E-07	3.23E-08	2.05E-07	3.17E-08	2.88E-08	4.69E-07	4.85E-07	1.78E-07	2.42E-07	9.05E-08	4.85E-07	1.78E-07
380	489438.2	3859971	1.57E-03	1.61E-03	1.52E-03	5.45E-07	1.64E-06	9.52E-07	9.75E-07	8.84E-07	4.03E-07	3.80E-07	0.00E+00	0.00E+00	1.75E-07	3.31E-08	2.10E-07	3.24E-08	2.95E-08	4.80E-07	4.97E-07	1.82E-07	2.48E-07	9.26E-08	4.97E-07	1.82E-07
381	489488.2	3859971	1.60E-03	1.63E-03	1.54E-03	5.52E-07	1.67E-06	9.65E-07	9.89E-07	8.96E-07	4.09E-07	3.86E-07	0.00E+00	0.00E+00	1.78E-07	3.36E-08	2.13E-07	3.28E-08	2.99E-08	4.87E-07	5.04E-07	1.85E-07	2.51E-07	9.39E-08	5.04E-07	1.85E-07
382	489538.2	3859971	1.62E-03	1.66E-03	1.56E-03	5.60E-07	1.69E-06	9.79E-07	1.00E-06	9.09E-07	4.15E-07	3.91E-07	0.00E+00	0.00E+00	1.80E-07	3.40E-08	2.16E-07	3.33E-08	3.03E-08	4.94E-07	5.11E-07	1.87E-07	2.55E-07	9.52E-08	5.11E-07	1.87E-07
383	489588.2	3859971	1.65E-03	1.69E-03	1.59E-03	5.70E-07	1.72E-06	9.96E-07	1.02E-06	9.24E-07	4.22E-07	3.98E-07	0.00E+00	0.00E+00	1.83E-07	3.46E-08	2.20E-07	3.39E-08	3.08E-08	5.02E-07	5.19E-07	1.90E-07	2.59E-07	9.69E-08	5.19E-07	1.90E-07
384	483577.7	3854071	3.42E-03	3.50E-03	3.31E-03	1.18E-06	3.58E-06	2.07E-06	2.12E-06	1.92E-06	8.77E-07	8.27E-07	0.00E+00	0.00E+00	3.81E-07	7.20E-08	4.57E-07	7.04E-08	6.41E-08	1.04E-06	1.08E-06	3.96E-07	5.39E-07	2.01E-07	1.08E-06	3.96E-07
385	483627.7	3854071	3.22E-03	3.30E-03	3.11E-03	1.11E-06	3.37E-06	1.95E-06	2.00E-06	1.81E-06	8.25E-07	7.79E-07	0.00E+00	0.00E+00	3.58E-07	6.77E-08	4.30E-07	6.63E-08	6.03E-08	9.83E-07	1.02E-06	3.73E-07	5.07E-07	1.90E-07	1.02E-06	3.73E-07
386	483677.7	3854071	3.04E-03	3.11E-03	2.94E-03	1.05E-06	3.18E-06	1.84E-06	1.88E-06	1.71E-06	7.79E-07	7.35E-07	0.00E+00	0.00E+00	3.38E-07	6.39E-08	4.06E-07	6.26E-08	5.69E-08	9.27E-07	9.59E-07	3.52E-07	4.79E-07	1.79E-07	9.59E-07	3.52E-07
387	483727.7	3854071	2.88E-03	2.94E-03	2.78E-03	9.95E-07	3.00E-06	1.74E-06	1.78E-06	1.62E-06	7.37E-07	6.95E-07	0.00E+00	0.00E+00	3.20E-07	6.05E-08	3.84E-07	5.92E-08	5.38E-08	8.77E-07	9.07E-07	3.33E-07	4.53E-07	1.69E-07	9.07E-07	3.33E-07
388	483777.7	3854071	2.70E-03	2.77E-03	2.61E-03	9.36E-07	2.83E-06	1.64E-06	1.68E-06	1.52E-06	6.93E-07	6.54E-07	0.00E+00	0.00E+00	3.01E-07	5.69E-08	3.61E-07	5.57E-08	5.06E-08	8.25E-07	8.53E-07	3.13E-07	4.26E-07	1.59E-07	8.53E-07	3.13E-07
389	483577.7	3854121	3.45E-03	3.53E-03	3.33E-03	1.19E-06	3.61E-06	2.09E-06	2.14E-06	1.94E-06	8.85E-07	8.34E-07	0.00E+00	0.00E+00	3.84E-07	7.26E-08	4.61E-07	7.10E-08	6.46E-08	1.05E-06	1.09E-06	3.99E-07	5.44E-07	2.03E-07	1.09E-06	3.99E-07
390	483627.7	3854121	3.22E-03	3.30E-03	3.12E-03	1.12E-06	3.37E-06	1.95E-06	2.00E-06	1.81E-06	8.27E-07	7.80E-07	0.00E+00	0.00E+00	3.59E-07	6.78E-08	4.30E-07	6.64E-08	6.04E-08	9.84E-07	1.02E-06	3.73E-07	5.08E-07	1.90E-07	1.02E-06	3.73E-07
391	483677.7	3854121	3.01E-03	3.08E-03	2.91E-03	1.04E-06	3.15E-06	1.82E-06	1.86E-06	1.69E-06	7.71E-07	7.28E-07	0.00E+00	0.00E+00	3.35E-07	6.33E-08	4.02E-07	6.19E-08	5.63E-08	9.18E-07	9.50E-07	3.48E-07	4.74E-07	1.77E-07	9.50E-07	3.48E-07
392	483727.7	3854121	2.82E-03	2.88E-03	2.72E-03	9.75E-07	2.94E-06	1.70E-06	1.75E-06	1.58E-06	7.22E-07	6.81E-07	0.00E+00	0.00E+00	3.13E-07	5.92E-08	3.76E-07	5.80E-08	5.27E-08	8.59E-07	8.89E-07	3.26E-07	4.44E-07	1.66E-07	8.89E-07	3.26E-07
393	483777.7	3854121	2.67E-03	2.73E-03	2.58E-03	9.23E-07	2.79E-06	1.61E-06	1.65E-06	1.50E-06	6.84E-07	6.45E-07	0.00E+00	0.00E+00	2.97E-07	5.61E-08	3.56E-07	5.49E-08	4.99E-08	8.14E-07	8.42E-07	3.09E-07	4.20E-07	1.57E-07	8.42E-07	3.09E-07
394	483577.7	3854171	3.43E-03	3.52E-03	3.32E-03	1.19E-06	3.59E-06	2.08E-06	2.13E-06	1.93E-06	8.80E-07	8.30E-07	0.00E+00	0.00E+00	3.82E-07	7.22E-08	4.58E-07	7.07E-08	6.43E-08	1.05E-06	1.08E-06	3.97E-07	5.41E-07	2.02E-07	1.08E-06	3.97E-07
395	483627.7	3854171	3.17E-03	3.25E-03	3.06E-03	1.10E-06	3.32E-06	1.92E-06	1.97E-06	1.78E-06	8.13E-07	7.67E-07	0.00E+00	0.00E+00	3.53E-07	6.67E-08	4.23E-07	6.53E-08	5.94E-08	9.68E-07	1.00E-06	3.67E-07	5.00E-07	1.87E-07	1.00E-06	3.67E-07
396	483677.7	3854171	2.96E-03	3.04E-03	2.86E-03	1.03E-06	3.10E-06	1.79E-06	1.84E-06	1.66E-06	7.60E-07	7.17E-07	0.00E+00	0.00E+00	3.30E-07	6.23E-08	3.96E-07	6.10E-08	5.55E-08	9.04E-07	9.35E-07	3.43E-07	4.67E-07	1.74E-07	9.35E-07	3.43E-07
397	483727.7	3854171	2.79E-03	2.86E-03	2.70E-03	9.67E-07	2.92E-06	1.69E-06	1.73E-06	1.57E-06	7.16E-07	6.75E-07	0.00E+00	0.00E+00	3.11E-07	5.87E-08	3.73E-07	5.75E-08	5.23E-08	8.52E-07	8.81E-07	3.23E-07	4.40E-07	1.64E-07	8.81E-07	3.23E-07
398	483777.7	3854171	2.63E-03	2.70E-03	2.55E-03	9.12E-07	2.75E-06	1.59E-06	1.63E-06	1.48E-06	6.75E-07	6.37E-07	0.00E+00	0.00E+00	2.93E-07	5.54E-08	3.52E-07	5.42E-08	4.93E-08	8.04E-07	8.31E-07	3.05E-07	4.15E-07	1.55E-07	8.31E-07	3.05E-07
399	483827.7	3854171	2.47E-03	2.53E-03	2.38E-03	8.54E-07	2.58E-06	1.49E-06	1.53E-06	1.39E-06	6.32E-07	5.96E-07	0.00E+00	0.00E+00	2.75E-07	5.19E-08	3.29E-07	5.08E-08	4.62E-08	7.53E-07	7.78E-07	2.85E-07	3.89E-07	1.45E-07	7.78E-07	2.85E-07
400	483877.7	3854171	2.35E-03	2.41E-03	2.27E-03	8.13E-07	2.46E-06	1.42E-06	1.46E-06	1.32E-06	6.02E-07	5.68E-07	0.00E+00	0.00E+00	2.62E-07	4.94E-08	3.14E-07	4.84E-08	4.40E-08	7.17E-07	7.42E-07	2.72E-07	3.70E-07	1.38E-07	7.42E-07	2.72E-07
401	483727.7	3854221	2.78E-03	2.85E-03	2.69E-03	9.64E-07	2.91E-06	1.68E-06	1.73E-06	1.56E-06	7.14E-07	6.73E-07	0.00E+00	0.00E+00	3.10E-07	5.86E-08	3.72E-07	5.73E-08	5.21E-08	8.49E-07	8.79E-07	3.22E-07	4.38E-07	1.64E-07	8.79E-07	3.22E-07
402	483777.7	3854221	2.62E-03	2.68E-03	2.53E-03	9.06E-07	2.74E-06	1.58E-06	1.62E-06	1.47E-06	6.71E-07	6.33E-07	0.00E+00	0.00E+00	2.91E-07	5.51E-08	3.49E-07	5.39E-08	4.90E-08	7.99E-07	8.26E-07	3.03E-07	4.12E-07	1.54E-07	8.26E-07	3.03E-07
403	483827.7	3854221	2.51E-03	2.57E-03	2.43E-03	8.69E-07	2.62E-06	1.52E-06	1.56E-06	1.41E-06	6.44E-07	6.07E-07	0.00E+00	0.00E+00	2.79E-07	5.28E-08	3.35E-07	5.17E-08	4.70E-08	7.66E-07	7.92E-07	2.91E-07	3.95E-07	1.48E-07	7.92E-07	2.91E-07
404	483877.7	3854221	2.37E-03	2.43E-03	2.29E-03	8.20E-07	2.48E-06	1.43E-06	1.47E-06	1.33E-06	6.07E-07	5.73E-07	0.00E+00	0.00E+00	2.64E-07	4.98E-08	3.16E-07	4.88E-08	4.43E-08	7.23E-07	7.48E-07	2.74E-07	3.73E-07	1.39E-07	7.48E-07	2.74E-07
405	489150.2	3858726	7.34E-03	7.52E-03	7.09E-03	2.54E-06	7.67E-06	4.44E-06	4.55E-06	4.12E-06	1.88E-06	1.77E-06	0.00E+00	0.00E+00	8.17E-07	1.54E-07	9.80E-07	1.51E-07	1.37E-07	2.24E-06	2.32E-06	8.50E-07	1.16E-06	4.32E-07	2.32E-06	8.50E-07
406	489200.2	3858726	6.87E-03	7.04E-03	6.64E-03	2.38E-06	7.18E-06	4.16E-06	4.26E-06	3.86E-06	1.76E-06	1.66E-06	0.00E+00	0.00E+00	7.65E-07	1.45E-07	9.17E-07	1.41E-07	1.29E-07	2.10E-06	2.17E-06	7.95E-07	1.08E-06	4.05E-07	2.17E-06	7.95E-07
407	489150.2	3858776	8.41E-03	8.61E-03	8.13E-03	2.91E-06	8.79E-06	5.09E-06	5.21E-06	4.73E-06	2.16E-06	2.03E-06	0.00E+00	0.00E+00	9.36E-07	1.77E-07	1.12E-06	1.73E-07	1.57E-07	2.57E-06	2.65E-06	9.74E-07	1.33E-06	4.95E-07	2.65E-06	9.74E-07
408	489200.2	3858776	7.78E-03	7.97E-03	7.52E-03	2.69E-06	8.13E-06	4.71E-06	4.82E-06	4.37E-06	1.99E-06	1.88E-06	0.00E+00	0.00E+00	8.66E-07	1.64E-07	1.04E-06	1.60E-07	1.46E-07	2.37E-06	2.46E-06	9.01E-07	1.23E-06	4.58E-07	2.46E-06	9.01E-07
409	488919.6	3856401	1.28E-03	1.31E-03	1.23E-03	4.42E-07	1.33E-06	7.72E-07	7.91E-07	7.17E-07	3.27E-07	3.09E-07	0.00E+00	0.00E+00	1.42E-07	2.69E-08	1.70E-07	2.63E-08	2.39E-08	3.90E-07	4.03E-07	1.48E-07	2.01E-07	7.52E-08	4.03E-07	1.48E-07
410	488919.6	3856451	1.30E-03	1.33E-03	1.25E-03	4.50E-07	1.36E-06	7.86E-07	8.05E-07	7.30E-07	3.33E-07	3.14E-07	0.00E+00	0.00E+00	1.45E-07	2.73E-08	1.73E-07	2.67E-08	2.43E-08	3.96E-07	4.10E-07	1.50E-07	2.05E-07	7.65E-08	4.10E-07	1.50E-07
411	488969.6	3856451	1.29E-03	1.32E-03	1.24E-03	4.46E-07	1.35E-06	7.80E-07	7.98E-07	7.24E-07	3.30E-07	3.12E-07	0.00E+00	0.00E+00	1.43E-07	2.71E-08	1.72E-07	2.65E-08	2.41E-08	3.93E-07	4.07E-07	1.49E-07	2.03E-07	7.58E-08	4.07E-07	1.49E-07
412	488919.6	3856501	1.32E-03	1.35E-03	1.28E-03	4.58E-07	1.38E-06	8.00E-07	8.20E-07	7.43E-07	3.39E-07	3.20E-07	0.00E+00	0.00E+00	1.47E-07	2.78E-08	1.77E-07	2.72E-08	2.48E-08	4.04E-07	4.17E-07	1.53E-07	2.08E-07	7.78E-08	4.17E-07	1.53E-07
413	488969.6	3856501	1.31E-03	1.34E-03	1.27E-03	4.54E-07	1.37E-06	7.94E-07	8.13E-07	7.37E-07	3.36E-07	3.17E-07	0.00E+00	0.00E+00	1.46E-07	2.76E-08	1.75E-07	2.70E-08	2.46E-08	4.00E-07	4.14E-07	1.52E-07	2.07E-07	7.72E-08	4.14E-07	1.52E-07
414	488919.6	3856551	1.35E-03	1.38E-03	1.30E-03	4.66E-07	1.41E-06	8.15E-07	8.35E-07	7.57E-07	3.45E-07	3.26E-07	0.00E+00	0.00E+00	1.50E-07	2.83E-08	1.80E-07	2.77E-08	2.52E-08	4.11E-07	4.25E-07	1.56E-07	2.12E-07	7.93E-08	4.25E-07	1.56E-07
415	488969.6	3856551	1.34E-03	1.37E-03	1.29E-03	4.62E-07	1.40E-06	8.08E-07	8.28E-07	7.50E-07	3.42E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.78E-07	2.75E-08	2.50E-08	4.08E-07	4.22E-07	1.55E-07	2.10E-07	7.86E-08	4.22E-07	1.55E-07
416	488819.6	3856601	1.40E-03	1.43E-03	1.35E-03	4.83E-07	1.46E-06	8.45E-07	8.65E-07	7.84E-07	3.58E-07	3.38E-07	0.00E+00	0.00E+00	1.55E-07	2.94E-08	1.86E-07	2.87E-08	2.61E-08	4.26E-07	4.41E-07	1.62E-07	2.20E-07	8.22E-08	4.41E-07	1.62E-07
417	488869.6	3856601	1.38E-03	1.42E-03	1.34E-03	4.79E-07	1.45E-06	8.37E-07	8.57E-07	7.77E-07	3.54E-07	3.34E-07	0.00E+00	0.00E+00	1.54E-07	2.91E-08	1.85E-07	2.85E-08	2.59E-08	4.22E-07	4.36E-07	1.60E-07	2.18E-07	8.14E-08	4.36E-07	1.60E-07
418	488919.6	3856601	1.37E-03	1.41E-03	1.33E-03	4.75E-07	1.43E-06	8.30E-07	8.51E-07	7.71E-07	3.52E-07	3.32E-07	0.00E+00	0.00E+00	1.53E-07	2.89E-08	1.83E-07	2.83E-08	2.57E-08	4.19E-07	4.33E-07	1.59E-07	2.16E-07	8.08E-08	4.33E-07	1.59E-07
419	488819.6	3856651	1.42E-03	1.46E-03	1.37E-03	4.93E-07	1.49E-06	8.61E-07	8.82E-07	7.99E-07	3.65E-07	3.44E-07	0.00E+00	0.00E+00	1.58E-07	2.99E-08	1.90E-07	2.93E-08	2.66E-08	4.34E-07	4.49E-07	1.65E-07	2.24E-07	8.38E-08	4.49E-07	1.65E-07
420	488869.6	3856651	1.41E-03	1.44E-03	1.36E-03	4.88E-07	1.47E-06	8.53E-07	8.73E-07	7.92E-07	3.61E-07	3.41E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.90E-08	2.64E-08	4.30E-07	4.45E-07	1.63E-07	2.22E-07	8.30E-08	4.45E-07	1.63E-07
421	488819.6	3856701	1.45E-03	1.49E-03	1.40E-03	5.02E-07	1.52E-06	8.78E-07	8.99E-07	8.15E-07	3.72E-07	3.51E-07	0.00E+00	0.00E+00	1.61E-07	3.05E-08	1.94E-07	2.99E-08	2.72E-08	4.43E-07	4.58E-07	1.68E-07	2.29E-07	8.54E-08	4.58E-07	1.68E-07
422	488869.6	3856701	1.44E-03	1.47E-03	1.39E-03	4.97E-07	1.50E-06	8.69E-07	8.90E-07	8.07E-07	3.68E-07	3.47E-07	0.00E+00	0.00E+00	1.60E-07	3.02E-08	1.92E-07	2.96E-08	2.69E-08	4.38E-07	4.53E-07	1.66E-07	2.26E-07	8.45E-08	4.53E-07	1.66E-07
423	488819.6	3856751	1.48E-03	1.51E-03	1.43E-03	5.12E-07	1.55E-06	8.95E-07	9.16E-07	8.31E-07	3.79E-07	3.58E-07	0.00E+00	0.00E+00	1.65E-07	3.11E-08	1.97E-07	3.04E-08	2.77E-08	4.51E-07	4.67E-07	1.71E-07	2.33E-07	8.71E-08	4.67E-07	1.71E-07
424	488869.6	3856751	1.47E-03	1.50E-03	1.42E-03	5.07E-07	1.53E-06	8.87E-07	9.08E-07	8.23E-07	3.76E-07	3.54E-07	0.00E+00	0.00E+00	1.63E-07	3.08E-08	1.96E-07	3.02E-08	2.74E-08	4.47E-07	4.63E-07	1.70E-07	2.31E-07	8.63E-08	4.63E-07	1.70E-07
425	488819.6	3857051	1.68E-03	1.72E-03	1.62E-03	5.81E-07	1.75E-06	1.02E-06	1.04E-06	9.43E-07	4.30E-07	4.06E-07	0.00E+00	0.00E+00	1.87E-07	3.53E-08	2.24E-07	3.45E-08	3.14E-08	5.12E-07	5.30E-07	1.94E-07	2.64E-07	9.88E-08	5.30E-07	1.94E-07
426	488869.6	3857051	1.66E-03	1.70E-03	1.61E-03	5.75E-07	1.74E-06	1.01E-06	1.03E-06	9.34E-07	4.26E-07	4.02E-07	0.00E+00	0.00E+00	1.85E-07	3.50E-08	2.22E-07	3.42E-08	3.11E-08	5.07E-07	5.25E-07	1.92E-07	2.62E-07	9.78E-08	5.25E-07	1.92E-07
427	488919.6	3857051	1.65E-03	1.69E-03	1.59E-03	5.70E-07	1.72E-06	9.96E-07	1.02E-06	9.24E-07	4.22E-07	3.98E-07	0.00E+00	0.00E+00	1.83E-07	3.46E-08	2.20E-07	3.39E-08	3.08E-08	5.02E-07	5.19E-07	1.90E-07	2.59E-07	9.69E-08	5.19E-07	1.90E-07
428	488819.6	3857101	1.72E-03	1.76E-03	1.66E-03	5.95E-07	1.80E-06	1.04E-06	1.06E-06	9.65E-07	4.40E-07	4.15E-07	0.00E+00	0.00E+00	1.91E-07	3.61E-08	2.29E-07	3.54E-08	3.22E-08	5.24E-07	5.42E-07	1.99E-07	2.71E-07	1.01E-07	5.42E-07	1.99E-07
429	488869.6	3857101	1.70E-03	1.74E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.55E-07	4.36E-07	4.11E-07	0.00E+00	0.00E+00	1.89E-07	3.58E-08	2.27E-07	3.50E-08	3.18E-08	5.19E-07	5.37E-07	1.97E-07	2.68E-07	1.00E-07	5.37E-07	1.97E-07
430	488919.6	3857101	1.68E-03	1.72E-03	1.63E-03	5.83E-07	1.76E-06	1.02E-06	1.04E-06	9.46E-07	4.32E-07	4.07E-07	0.00E+00	0.00E+00	1.87E-07	3.54E-08	2.25E-07	3.47E-08	3.15E-08	5.14E-07	5.31E-07	1.95E-07	2.65E-07	9.91E-08	5.31E-07	1.95E-07
431	488819.6	3857151	1.76E-03	1.80E-03	1.70E-03	6.09E-07	1.84E-06	1.07E-06	1.09E-06	9.89E-07	4.51E-07	4.26E-07	0.00E+00	0.00E+00	1.96E-07	3.70E-08	2.35E-07	3.62E-08	3.30E-08	5.37E-07	5.56E-07	2.04E-07	2.77E-07	1.04E-07	5.56E-07	2.04E-07
432	488869.6	3857151	1.74E-03	1.78E-03	1.68E-03	6.03E-07	1.82E-06	1.05E-06	1.08E-06	9.78E-07	4.46E-07	4.21E-07	0.00E+00	0.00E+00	1.94E-07	3.66E-08	2.32E-07	3.58E-08	3.26E-08	5.31E-07	5.50E-07	2.02E-07	2.74E-07	1.03E-07	5.50E-07	2.02E-07
433	488919.6	3857151	1.72E-03	1.77E-03	1.67E-03	5.97E-07	1.80E-06	1.04E-06	1.07E-06	9.68E-07	4.42E-07	4.17E-07	0.00E+00	0.00E+00	1.92E-07	3.63E-08	2.30E-07	3.55E-08	3.23E-08	5.26E-07	5.44E-07	2.00E-07	2.72E-07	1.01E-07	5.44E-07	2.00E-07
434	488969.6	3857151	1.71E-03	1.75E-03	1.65E-03	5.91E-07	1.78E-06	1.03E-06	1.06E-06	9.58E-07	4.37E-07	4.13E-07	0.00E+00	0.00E+00	1.90E-07	3.59E-08	2.28E-07	3.51E-08	3.19E-08	5.21E-07	5.38E-07	1.97E-07	2.69E-07	1.00E-07	5.38E-07	1.97E-07
435	488819.6	3857201	1.80E-03	1.85E-03	1.74E-03	6.25E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.63E-07	4.36E-07	0.00E+00	0.00E+00	2.01E-07	3.80E-08	2.41E-07	3.72E-08	3.38E-08	5.51E-07	5.70E-07	2.09E-07	2.84E-07	1.06E-07	5.70E-07	2.09E-07
436	488869.6	3857201	1.79E-03	1.83E-03	1.73E-03	6.18E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.58E-07	4.32E-07	0.00E+00	0.00E+00	1.99E-07	3.76E-08	2.38E-07	3.68E-08	3.34E-08	5.45E-07	5.64E-07	2.07E-07	2.81E-07	1.05E-07	5.64E-07	2.07E-07
437	488919.6	3857201	1.77E-03	1.81E-03	1.71E-03	6.12E-07	1.85E-06	1.07E-06	1.09E-06	9.92E-07	4.53E-07	4.27E-07	0.00E+00	0.00E+00	1.97E-07	3.72E-08	2.36E-07	3.64E-08	3.31E-08	5.39E-07	5.58E-07	2.05E-07	2.78E-07	1.04E-07	5.58E-07	2.05E-07

438	488969.6	3857201	1.75E-03	1.79E-03	1.69E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.82E-07	4.48E-07	4.23E-07	0.00E+00	0.00E+00	1.95E-07	3.68E-08	2.33E-07	3.60E-08	3.27E-08	5.33E-07	5.52E-07	2.02E-07	2.75E-07	1.03E-07	5.52E-07	2.02E-07
439	488819.6	3857251	1.85E-03	1.90E-03	1.79E-03	6.41E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.75E-07	4.48E-07	0.00E+00	0.00E+00	2.06E-07	3.90E-08	2.47E-07	3.81E-08	3.47E-08	5.65E-07	5.85E-07	2.14E-07	2.92E-07	1.09E-07	5.85E-07	2.14E-07
440	488869.6	3857251	1.83E-03	1.88E-03	1.77E-03	6.34E-07	1.91E-06	1.11E-06	1.14E-06	1.03E-06	4.69E-07	4.43E-07	0.00E+00	0.00E+00	2.04E-07	3.85E-08	2.44E-07	3.77E-08	3.43E-08	5.59E-07	5.78E-07	2.12E-07	2.89E-07	1.08E-07	5.78E-07	2.12E-07
441	488919.6	3857251	1.81E-03	1.85E-03	1.75E-03	6.27E-07	1.89E-06	1.10E-06	1.12E-06	1.02E-06	4.64E-07	4.38E-07	0.00E+00	0.00E+00	2.02E-07	3.81E-08	2.42E-07	3.73E-08	3.39E-08	5.53E-07	5.72E-07	2.10E-07	2.85E-07	1.07E-07	5.72E-07	2.10E-07
442	488969.6	3857251	1.79E-03	1.84E-03	1.73E-03	6.20E-07	1.87E-06	1.08E-06	1.11E-06	1.01E-06	4.59E-07	4.33E-07	0.00E+00	0.00E+00	1.99E-07	3.77E-08	2.39E-07	3.69E-08	3.35E-08	5.47E-07	5.65E-07	2.07E-07	2.82E-07	1.05E-07	5.65E-07	2.07E-07
443	488819.6	3857301	1.90E-03	1.95E-03	1.84E-03	6.59E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.88E-07	4.60E-07	0.00E+00	0.00E+00	2.12E-07	4.00E-08	2.54E-07	3.92E-08	3.56E-08	5.80E-07	6.00E-07	2.20E-07	3.00E-07	1.12E-07	6.00E-07	2.20E-07
444	488869.6	3857301	1.88E-03	1.93E-03	1.82E-03	6.51E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.82E-07	4.55E-07	0.00E+00	0.00E+00	2.09E-07	3.96E-08	2.51E-07	3.87E-08	3.52E-08	5.74E-07	5.93E-07	2.18E-07	2.96E-07	1.11E-07	5.93E-07	2.18E-07
445	488919.6	3857301	1.86E-03	1.90E-03	1.80E-03	6.44E-07	1.94E-06	1.13E-06	1.15E-06	1.04E-06	4.77E-07	4.50E-07	0.00E+00	0.00E+00	2.07E-07	3.91E-08	2.48E-07	3.83E-08	3.48E-08	5.67E-07	5.87E-07	2.15E-07	2.93E-07	1.09E-07	5.87E-07	2.15E-07
446	488819.6	3857451	2.07E-03	2.12E-03	2.00E-03	7.17E-07	2.17E-06	1.25E-06	1.28E-06	1.16E-06	5.31E-07	5.01E-07	0.00E+00	0.00E+00	2.31E-07	4.36E-08	2.77E-07	4.27E-08	3.88E-08	6.32E-07	6.54E-07	2.40E-07	3.26E-07	1.22E-07	6.54E-07	2.40E-07
447	488869.6	3857451	2.04E-03	2.09E-03	1.97E-03	7.08E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.24E-07	4.94E-07	0.00E+00	0.00E+00	2.28E-07	4.30E-08	2.73E-07	4.21E-08	3.83E-08	6.24E-07	6.45E-07	2.37E-07	3.22E-07	1.20E-07	6.45E-07	2.37E-07
448	488919.6	3857451	2.02E-03	2.07E-03	1.95E-03	6.99E-07	2.11E-06	1.22E-06	1.25E-06	1.14E-06	5.18E-07	4.89E-07	0.00E+00	0.00E+00	2.25E-07	4.25E-08	2.70E-07	4.16E-08	3.78E-08	6.17E-07	6.38E-07	2.34E-07	3.18E-07	1.19E-07	6.38E-07	2.34E-07
449	488819.6	3857501	2.13E-03	2.19E-03	2.06E-03	7.39E-07	2.23E-06	1.29E-06	1.32E-06	1.20E-06	5.47E-07	5.16E-07	0.00E+00	0.00E+00	2.38E-07	4.49E-08	2.85E-07	4.39E-08	4.00E-08	6.51E-07	6.74E-07	2.47E-07	3.36E-07	1.26E-07	6.74E-07	2.47E-07
450	488869.6	3857501	2.11E-03	2.16E-03	2.04E-03	7.30E-07	2.20E-06	1.28E-06	1.31E-06	1.18E-06	5.40E-07	5.10E-07	0.00E+00	0.00E+00	2.35E-07	4.43E-08	2.81E-07	4.34E-08	3.95E-08	6.43E-07	6.65E-07	2.44E-07	3.32E-07	1.24E-07	6.65E-07	2.44E-07
451	488919.6	3857501	2.08E-03	2.13E-03	2.01E-03	7.20E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.33E-07	5.03E-07	0.00E+00	0.00E+00	2.32E-07	4.38E-08	2.78E-07	4.28E-08	3.90E-08	6.35E-07	6.57E-07	2.41E-07	3.28E-07	1.23E-07	6.57E-07	2.41E-07
452	488819.6	3857551	2.20E-03	2.26E-03	2.13E-03	7.63E-07	2.30E-06	1.33E-06	1.37E-06	1.24E-06	5.65E-07	5.33E-07	0.00E+00	0.00E+00	2.45E-07	4.64E-08	2.94E-07	4.54E-08	4.13E-08	6.72E-07	6.95E-07	2.55E-07	3.47E-07	1.30E-07	6.95E-07	2.55E-07
453	488869.6	3857551	2.17E-03	2.23E-03	2.10E-03	7.52E-07	2.27E-06	1.31E-06	1.35E-06	1.22E-06	5.57E-07	5.25E-07	0.00E+00	0.00E+00	2.42E-07	4.57E-08	2.90E-07	4.47E-08	4.07E-08	6.63E-07	6.86E-07	2.51E-07	3.42E-07	1.28E-07	6.86E-07	2.51E-07
454	488919.6	3857551	2.15E-03	2.20E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.19E-07	0.00E+00	0.00E+00	2.39E-07	4.51E-08	2.86E-07	4.42E-08	4.02E-08	6.55E-07	6.77E-07	2.48E-07	3.38E-07	1.26E-07	6.77E-07	2.48E-07
455	489663.7	3860900	8.10E-04	8.30E-04	7.83E-04	2.80E-07	8.47E-07	4.90E-07	5.02E-07	4.55E-07	2.08E-07	1.96E-07	0.00E+00	0.00E+00	9.02E-08	1.70E-08	1.08E-07	1.67E-08	1.52E-08	2.47E-07	2.56E-07	9.38E-08	1.28E-07	4.77E-08	2.56E-07	9.38E-08
456	489813.7	3860900	8.50E-04	8.71E-04	8.21E-04	2.94E-07	8.89E-07	5.14E-07	5.27E-07	4.78E-07	2.18E-07	2.06E-07	0.00E+00	0.00E+00	9.46E-08	1.79E-08	1.13E-07	1.75E-08	1.59E-08	2.59E-07	2.68E-07	9.84E-08	1.34E-07	5.00E-08	2.68E-07	9.84E-08
457	489863.7	3860900	8.63E-04	8.84E-04	8.34E-04	2.99E-07	9.02E-07	5.22E-07	5.35E-07	4.85E-07	2.21E-07	2.09E-07	0.00E+00	0.00E+00	9.61E-08	1.82E-08	1.15E-07	1.78E-08	1.62E-08	2.63E-07	2.72E-07	9.99E-08	1.36E-07	5.08E-08	2.72E-07	9.99E-08
458	489913.7	3860900	8.78E-04	8.99E-04	8.48E-04	3.04E-07	9.18E-07	5.31E-07	5.44E-07	4.93E-07	2.25E-07	2.12E-07	0.00E+00	0.00E+00	9.78E-08	1.85E-08	1.17E-07	1.81E-08	1.64E-08	2.68E-07	2.77E-07	1.02E-07	1.38E-07	5.17E-08	2.77E-07	1.02E-07
459	489963.7	3860900	8.93E-04	9.15E-04	8.63E-04	3.09E-07	9.33E-07	5.40E-07	5.53E-07	5.02E-07	2.29E-07	2.16E-07	0.00E+00	0.00E+00	9.94E-08	1.88E-08	1.19E-07	1.84E-08	1.67E-08	2.72E-07	2.82E-07	1.03E-07	1.41E-07	5.26E-08	2.82E-07	1.03E-07
460	490013.7	3860900	9.09E-04	9.31E-04	8.78E-04	3.15E-07	9.50E-07	5.50E-07	5.63E-07	5.11E-07	2.33E-07	2.20E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.70E-08	2.77E-07	2.87E-07	1.05E-07	1.43E-07	5.35E-08	2.87E-07	1.05E-07
461	490063.7	3860900	9.25E-04	9.48E-04	8.94E-04	3.20E-07	9.67E-07	5.60E-07	5.73E-07	5.20E-07	2.37E-07	2.24E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.24E-07	1.90E-08	1.73E-08	2.82E-07	2.92E-07	1.07E-07	1.46E-07	5.45E-08	2.92E-07	1.07E-07
462	489663.7	3860950	7.88E-04	8.07E-04	7.61E-04	2.73E-07	8.24E-07	4.77E-07	4.88E-07	4.43E-07	2.02E-07	1.91E-07	0.00E+00	0.00E+00	8.77E-08	1.66E-08	1.05E-07	1.62E-08	1.48E-08	2.40E-07	2.49E-07	9.12E-08	1.24E-07	4.64E-08	2.49E-07	9.12E-08
463	489813.7	3860950	8.25E-04	8.45E-04	7.97E-04	2.86E-07	8.62E-07	4.99E-07	5.11E-07	4.63E-07	2.11E-07	1.99E-07	0.00E+00	0.00E+00	9.18E-08	1.74E-08	1.10E-07	1.70E-08	1.54E-08	2.52E-07	2.60E-07	9.55E-08	1.30E-07	4.86E-08	2.60E-07	9.55E-08
464	489863.7	3860950	8.37E-04	8.57E-04	8.08E-04	2.90E-07	8.75E-07	5.06E-07	5.19E-07	4.70E-07	2.15E-07	2.02E-07	0.00E+00	0.00E+00	9.32E-08	1.76E-08	1.12E-07	1.72E-08	1.57E-08	2.55E-07	2.64E-07	9.69E-08	1.32E-07	4.93E-08	2.64E-07	9.69E-08
465	489913.7	3860950	8.50E-04	8.71E-04	8.21E-04	2.94E-07	8.89E-07	5.14E-07	5.27E-07	4.78E-07	2.18E-07	2.06E-07	0.00E+00	0.00E+00	9.46E-08	1.79E-08	1.13E-07	1.75E-08	1.59E-08	2.59E-07	2.68E-07	9.84E-08	1.34E-07	5.00E-08	2.68E-07	9.84E-08
466	489963.7	3860950	8.65E-04	8.86E-04	8.36E-04	2.99E-07	9.04E-07	5.23E-07	5.36E-07	4.86E-07	2.22E-07	2.09E-07	0.00E+00	0.00E+00	9.63E-08	1.82E-08	1.15E-07	1.78E-08	1.62E-08	2.64E-07	2.73E-07	1.00E-07	1.36E-07	5.09E-08	2.73E-07	1.00E-07
467	490013.7	3860950	8.80E-04	9.01E-04	8.50E-04	3.04E-07	9.19E-07	5.32E-07	5.45E-07	4.94E-07	2.25E-07	2.13E-07	0.00E+00	0.00E+00	9.79E-08	1.85E-08	1.17E-07	1.81E-08	1.65E-08	2.68E-07	2.78E-07	1.02E-07	1.39E-07	5.18E-08	2.78E-07	1.02E-07
468	490063.7	3860950	8.94E-04	9.16E-04	8.64E-04	3.10E-07	9.35E-07	5.41E-07	5.54E-07	5.02E-07	2.29E-07	2.16E-07	0.00E+00	0.00E+00	9.96E-08	1.88E-08	1.19E-07	1.84E-08	1.67E-08	2.73E-07	2.82E-07	1.04E-07	1.41E-07	5.27E-08	2.82E-07	1.04E-07
469	489513.7	3861000	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.23E-08	1.56E-08	9.87E-08	1.52E-08	1.38E-08	2.26E-07	2.33E-07	8.56E-08	1.16E-07	4.35E-08	2.33E-07	8.56E-08
470	489563.7	3861000	7.48E-04	7.66E-04	7.23E-04	2.59E-07	7.82E-07	4.53E-07	4.64E-07	4.20E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.33E-08	1.57E-08	9.99E-08	1.54E-08	1.40E-08	2.28E-07	2.36E-07	8.66E-08	1.18E-07	4.40E-08	2.36E-07	8.66E-08
471	489613.7	3861000	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	0.00E+00	0.00E+00	8.44E-08	1.60E-08	1.01E-07	1.56E-08	1.42E-08	2.31E-07	2.39E-07	8.78E-08	1.20E-07	4.47E-08	2.39E-07	8.78E-08
472	489663.7	3861000	7.69E-04	7.88E-04	7.43E-04	2.66E-07	8.04E-07	4.65E-07	4.77E-07	4.32E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.56E-08	1.62E-08	1.03E-07	1.58E-08	1.44E-08	2.35E-07	2.43E-07	8.90E-08	1.21E-07	4.53E-08	2.43E-07	8.90E-08
473	489713.7	3861000	7.79E-04	7.98E-04	7.53E-04	2.70E-07	8.14E-07	4.72E-07	4.83E-07	4.38E-07	2.00E-07	1.88E-07	0.00E+00	0.00E+00	8.67E-08	1.64E-08	1.04E-07	1.60E-08	1.46E-08	2.38E-07	2.46E-07	9.02E-08	1.23E-07	4.59E-08	2.46E-07	9.02E-08
474	489763.7	3861000	7.90E-04	8.09E-04	7.63E-04	2.73E-07	8.25E-07	4.78E-07	4.89E-07	4.44E-07	2.02E-07	1.91E-07	0.00E+00	0.00E+00	8.79E-08	1.66E-08	1.05E-07	1.63E-08	1.48E-08	2.41E-07	2.49E-07	9.14E-08	1.24E-07	4.65E-08	2.49E-07	9.14E-08
475	489813.7	3861000	8.01E-04	8.21E-04	7.74E-04	2.77E-07	8.38E-07	4.85E-07	4.97E-07	4.50E-07	2.05E-07	1.94E-07	0.00E+00	0.00E+00	8.92E-08	1.69E-08	1.07E-07	1.65E-08	1.50E-08	2.45E-07	2.53E-07	9.28E-08	1.26E-07	4.72E-08	2.53E-07	9.28E-08
476	489863.7	3861000	8.13E-04	8.33E-04	7.86E-04	2.82E-07	8.50E-07	4.92E-07	5.04E-07	4.57E-07	2.08E-07	1.97E-07	0.00E+00	0.00E+00	9.05E-08	1.71E-08	1.09E-07	1.67E-08	1.52E-08	2.48E-07	2.57E-07	9.41E-08	1.28E-07	4.79E-08	2.57E-07	9.41E-08
477	489913.7	3861000	8.26E-04	8.47E-04	7.98E-04	2.86E-07	8.64E-07	5.00E-07	5.12E-07	4.64E-07	2.12E-07	2.00E-07	0.00E+00	0.00E+00	9.20E-08	1.74E-08	1.10E-07	1.70E-08	1.55E-08	2.52E-07	2.61E-07	9.57E-08	1.30E-07	4.87E-08	2.61E-07	9.57E-08
478	489963.7	3861000	8.38E-04	8.59E-04	8.10E-04	2.90E-07	8.76E-07	5.07E-07	5.20E-07	4.71E-07	2.15E-07	2.03E-07	0.00E+00	0.00E+00	9.33E-08	1.76E-08	1.12E-07	1.73E-08	1.57E-08	2.56E-07	2.65E-07	9.70E-08	1.32E-07	4.93E-08	2.65E-07	9.70E-08
479	490013.7	3861000	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	0.00E+00	0.00E+00	9.50E-08	1.79E-08	1.14E-07	1.76E-08	1.60E-08	2.60E-07	2.69E-07	9.87E-08	1.34E-07	5.02E-08	2.69E-07	9.87E-08
480	490063.7	3861000	8.66E-04	8.87E-04	8.37E-04	3.00E-07	9.06E-07	5.24E-07	5.37E-07	4.87E-07	2.22E-07	2.09E-07	0.00E+00	0.00E+00	9.64E-08	1.82E-08	1.16E-07	1.78E-08	1.62E-08	2.64E-07	2.73E-07	1.00E-07	1.36E-07	5.10E-08	2.73E-07	1.00E-07
481	489513.7	3861050	7.23E-04	7.41E-04	6.99E-04	2.50E-07	7.56E-07	4.38E-07	4.48E-07	4.06E-07	1.85E-07	1.75E-07	0.00E+00	0.00E+00	8.05E-08	1.52E-08	9.65E-08	1.49E-08	1.35E-08	2.21E-07	2.28E-07	8.37E-08	1.14E-07	4.26E-08	2.28E-07	8.37E-08
482	489563.7	3861050	7.31E-04	7.48E-04	7.06E-04	2.53E-07	7.64E-07	4.42E-07	4.53E-07	4.10E-07	1.87E-07	1.77E-07	0.00E+00	0.00E+00	8.13E-08	1.54E-08	9.75E-08	1.50E-08	1.37E-08	2.23E-07	2.31E-07	8.46E-08	1.15E-07	4.30E-08	2.31E-07	8.46E-08
483	489613.7	3861050	7.41E-04	7.59E-04	7.16E-04	2.56E-07	7.74E-07	4.48E-07	4.59E-07	4.16E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.25E-08	1.56E-08	9.89E-08	1.53E-08	1.39E-08	2.26E-07	2.34E-07	8.58E-08	1.17E-07	4.36E-08	2.34E-07	8.58E-08
484	489663.7	3861050	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.35E-08	1.58E-08	1.00E-07	1.54E-08	1.40E-08	2.29E-07	2.37E-07	8.68E-08	1.18E-07	4.41E-08	2.37E-07	8.68E-08
485	489713.7	3861050	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	0.00E+00	0.00E+00	8.44E-08	1.60E-08	1.01E-07	1.56E-08	1.42E-08	2.31E-07	2.39E-07	8.78E-08	1.20E-07	4.47E-08	2.39E-07	8.78E-08
486	489763.7	3861050	7.69E-04	7.88E-04	7.43E-04	2.66E-07	8.04E-07	4.65E-07	4.77E-07	4.32E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.56E-08	1.62E-08	1.03E-07	1.58E-08	1.44E-08	2.35E-07	2.43E-07	8.90E-08	1.21E-07	4.53E-08	2.43E-07	8.90E-08
487	489813.7	3861050	7.81E-04	8.00E-04	7.54E-04	2.70E-07	8.16E-07	4.72E-07	4.84E-07	4.39E-07	2.00E-07	1.89E-07	0.00E+00	0.00E+00	8.69E-08	1.64E-08	1.04E-07	1.61E-08	1.46E-08	2.38E-07	2.46E-07	9.04E-08	1.23E-07	4.60E-08	2.46E-07	9.04E-08
488	489863.7	3861050	7.91E-04	8.10E-04	7.64E-04	2.74E-07	8.27E-07	4.79E-07	4.90E-07	4.44E-07	2.03E-07	1.91E-07	0.00E+00	0.00E+00	8.81E-08	1.66E-08	1.06E-07	1.63E-08	1.48E-08	2.41E-07	2.50E-07	9.16E-08	1.25E-07	4.66E-08	2.50E-07	9.16E-08
489	489913.7	3861050	8.03E-04	8.22E-04	7.76E-04	2.78E-07	8.39E-07	4.86E-07	4.98E-07	4.51E-07	2.06E-07	1.94E-07	0.00E+00	0.00E+00	8.94E-08	1.69E-08	1.07E-07	1.65E-08	1.50E-08	2.45E-07	2.53E-07	9.29E-08	1.26E-07	4.73E-08	2.53E-07	9.29E-08
490	489963.7	3861050	8.15E-04	8.34E-04	7.87E-04	2.82E-07	8.52E-07	4.93E-07	5.05E-07	4.58E-07	2.09E-07	1.97E-07	0.00E+00	0.00E+00	9.07E-08	1.71E-08	1.09E-07	1.68E-08	1.53E-08	2.49E-07	2.57E-07	9.43E-08	1.28E-07	4.80E-08	2.57E-07	9.43E-08
491	490013.7	3861050	8.28E-04	8.48E-04	8.00E-04	2.87E-07	8.65E-07	5.01E-07	5.13E-07	4.65E-07	2.12E-07	2.00E-07	0.00E+00	0.00E+00	9.22E-08	1.74E-08	1.11E-07	1.70E-08	1.55E-08	2.53E-07	2.61E-07	9.58E-08	1.30E-07	4.87E-08	2.61E-07	9.58E-08
492	490063.7	3861050	8.41E-04	8.62E-04	8.13E-04	2.91E-07	8.79E-07	5.09E-07	5.21E-07	4.73E-07	2.16E-07	2.03E-07	0.00E+00	0.00E+00	9.36E-08	1.77E-08	1.12E-07	1.73E-08	1.58E-08	2.57E-07	2.66E-07	9.74E-08	1.33E-07	4.95E-08	2.66E-07	9.74E-08
493	489513.7	3861100	7.07E-04	7.24E-04	6.83E-04	2.45E-07	7.39E-07	4.28E-07	4.38E-07	3.97E-07	1.81E-07	1.71E-07	0.00E+00	0.00E+00	7.87E-08	1.49E-08	9.44E-08	1.46E-08	1.32E-08	2.16E-07	2.23E-07	8.18E-08	1.11E-07	4.16E-08	2.23E-07	8.18E-08
494	489563.7	3861100	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	0.00E+00	0.00E+00	7.95E-08	1.50E-08	9.53E-08	1.47E-08	1.34E-08	2.18E-07	2.25E-07	8.27E-08	1.13E-07	4.21E-08	2.25E-07	8.27E-08
495	489613.7	3861100	7.22E-04	7.39E-04	6.97E-04	2.50E-07	7.54E-07	4.37E-07	4.47E-07	4.05E-07	1.85E-07	1.75E-07	0.00E+00	0.00E+00	8.03E-08	1.52E-08	9.63E-08	1.49E-08	1.35E-08	2.20E-07	2.28E-07	8.35E-08	1.14E-07	4.25E-08	2.28E-07	8.35E-08
496	489663.7	3861100	7.31E-04	7.48E-04	7.06E-04	2.53E-07	7.64E-07	4.42E-07	4.53E-07	4.10E-07	1.87E-07	1.77E-07	0.00E+00	0.00E+00	8.13E-08	1.54E-08	9.75E-08	1.50E-08	1.37E-08	2.23E-07	2.31E-07	8.46E-08	1.15E-07	4.30E-08	2.31E-07	8.46E-08
497	489713.7	3861100	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.23E-08	1.56E-08	9.87E-08	1.52E-08	1.38E-08	2.26E-07	2.33E-07	8.56E-08	1.16E-07	4.35E-08	2.33E-07	8.56E-08
498	489763.7	3861100	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.35E-08	1.58E-08	1.00E-07	1.54E-08	1.40E-08	2.29E-07	2.37E-07	8.68E-08	1.18E-07	4.41E-08	2.37E-07	8.68E-08
499	489813.7	3861100	7.60E-04	7.78E-04	7.34E-04	2.63E-07	7.94E-07	4.60E-07	4.71E-07	4.27E-07	1.95E-07	1.84E-07	0.00E+00	0.00E+00	8.46E-08	1.60E-08	1.01E-07	1.56E-08	1.42E-08	2.32E-07	2.40E-07	8.80E-08	1.20E-07	4.47E-08	2.40E-07	8.80E-08
500	489863.7	3861100	7.70E-04	7.89E-04	7.44E-04	2.67E-07	8.05E-07	4.66E-07	4.77E-07	4.33E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.58E-08	1.62E-08	1.03E-07	1.59E-08	1.44E-08	2.35E-07	2.43E-07	8.92E-08	1.21E-07	4.54E-08	2.43E-07	8.92E-08
501	489913.7	3861100	7.81E-04	8.00E-04	7.54E-04	2.70E-07	8.16E-07	4.72E-07	4.84E-07	4.39E-07	2.00E-07	1.89E-07	0.00E+00	0.00E+00	8.69E-08	1.64E-08	1.04E-07	1.61E-08	1.46E-08	2.38E-07	2.46E-07	9.04E-08	1.23E-07	4.60E-08	2.46E-07	9.04E-08
502	489963.7	3861100	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	0.00E+00	0.00E+00	8.82E-08	1.67E-08	1.06E-07	1.63E-08	1.48E-08	2.42E-07	2.50E-07	9.17E-08	1.25E-07	4.67E-08	2.50E-07	9.17E-08
503	490013.7	3861100	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	0.00E+00	0.00E+00	8.95E-08	1.69E-08	1.07E-07	1.66E-08	1.51E-08	2.45E-07	2.54E-07	9.31E-08	1.27E-07	4.74E-08	2.54E-07	9.31E-08
504	490063.7	3861100	8.18E-04	8.37E-04	7.90E-04	2.83E-07	8.55E-07	4.95E-07	5.07E-07	4.59E-07	2.10E-07	1.98E-07	0.00E+00	0.00E+00	9.10E-08	1.72E-08	1.09E-07	1.68E-08	1.53E-08	2.49E-07	2.58E-07	9.46E-08	1.29E-07	4.81E-08	2.58E-07	9.46E-08
505	489713.7	3861150	7.22E-04	7.39E-04	6.97E-04	2.50E-07	7.54E-07	4.37E-07	4.47E-07	4.05E-07	1.85E-07	1.75E-07	0.00E+00	0.00E+00	8.03E-08	1.52E-08	9.63E-08	1.49E-08	1.35E-08	2.20E-07	2.28E-07	8.35E-08	1.14E-07	4.25E-08	2.28E-07	8.35E-08
506	489763.7	3861150	7.31E-04	7.48E-04	7.06E-04	2.53E-07	7.64E-07	4.42E-07	4.53E-07	4.10E-07	1.87E-07	1.77E-07	0.00E+00	0.00E+00	8.13E-08	1.54E-08	9.75E-08	1.50E-08	1.37E-08	2.23E-07	2.31E-07	8.46E-08	1.15E-07	4.30E-08	2.31E-07	8.46E-08
507	489813.7	3861150	7.41E-04	7.59E-04	7.16E-04	2.56E-07	7.74E-07	4.48E-07	4.59E-07	4.16E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.25E-08	1.56E-08	9.89E-08	1.53E-08	1.39E-08	2.26E-07	2.34E-07	8.58E-08	1.17E-07	4.36E-08	2.34E-07	8.58E-08
508	489863.7	3861150	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.35E-08	1.58E-08	1.00E-07	1.54E-08	1.40E-08	2.29E-07	2.37E-07	8.68E-08	1.18E-07	4.41E-08	2.37E-07	8.68E-08
509	489913.7	3861150	7.60E-04	7.78E-04	7.34E-04	2.63E-07	7.94E-07	4.60E-07	4.71E-07	4.27E-07	1.95E-07	1.84E-07	0.00E+00	0.00E+00	8.46E-08	1.60E-08	1.01E-07	1.56E-08	1.42E-08	2.32E-07	2.40E-07	8.80E-08	1.20E-07	4.47E-08	2.40E-07	8.80E-08
510	489963.7	3861150	7.72E-04	7.91E-04	7.46E-04	2.67E-07	8.07E-07	4.67E-07	4.78E-07	4.34E-07	1.98E-07	1.87E-07	0.00E+00	0.00E+00	8.59E-08	1.62E-08	1.03E-07	1.59E-08	1.45E-08	2.36E-07	2.44E-07	8.94E-08	1.22E-07	4.54E-08	2.44E-07	8.94E-08
511	490013.7	3861150	7.82E-04	8.01E-04	7.56E-04	2.71E-07	8.18E-07	4.73E-07	4.85E-07	4.39E-07	2.01E-07	1.89E-07	0.00E+00	0.00E+00	8.71E-08	1.65E-08	1.04E-07	1.61E-08	1.46E-08	2.39E-07	2.47E-07	9.05E-08	1.23E-07	4.60E-08	2.47E-07	9.05E-08

512	490063.7	3861150	7.94E-04	8.13E-04	7.67E-04	2.75E-07	8.30E-07	4.80E-07	4.92E-07	4.46E-07	2.04E-07	1.92E-07	0.00E+00	0.00E+00	8.84E-08	1.67E-08	1.06E-07	1.63E-08	1.49E-08	2.42E-07	2.51E-07	9.19E-08	1.25E-07	4.67E-08	2.51E-07	9.19E-08
513	489613.7	3861200	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.66E-08	1.45E-08	9.18E-08	1.42E-08	1.29E-08	2.10E-07	2.17E-07	7.96E-08	1.08E-07	4.05E-08	2.17E-07	7.96E-08
514	489663.7	3861200	6.97E-04	7.13E-04	6.73E-04	2.41E-07	7.28E-07	4.21E-07	4.32E-07	3.91E-07	1.79E-07	1.68E-07	0.00E+00	0.00E+00	7.75E-08	1.47E-08	9.30E-08	1.43E-08	1.30E-08	2.13E-07	2.20E-07	8.06E-08	1.10E-07	4.10E-08	2.20E-07	8.06E-08
515	489713.7	3861200	7.04E-04	7.21E-04	6.80E-04	2.44E-07	7.36E-07	4.26E-07	4.36E-07	3.95E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.84E-08	1.48E-08	9.40E-08	1.45E-08	1.32E-08	2.15E-07	2.22E-07	8.15E-08	1.11E-07	4.14E-08	2.22E-07	8.15E-08
516	489763.7	3861200	7.13E-04	7.30E-04	6.89E-04	2.47E-07	7.45E-07	4.31E-07	4.42E-07	4.00E-07	1.83E-07	1.72E-07	0.00E+00	0.00E+00	7.94E-08	1.50E-08	9.52E-08	1.47E-08	1.33E-08	2.18E-07	2.25E-07	8.25E-08	1.12E-07	4.20E-08	2.25E-07	8.25E-08
517	489813.7	3861200	7.22E-04	7.39E-04	6.97E-04	2.50E-07	7.54E-07	4.37E-07	4.47E-07	4.05E-07	1.85E-07	1.75E-07	0.00E+00	0.00E+00	8.03E-08	1.52E-08	9.63E-08	1.49E-08	1.35E-08	2.20E-07	2.28E-07	8.35E-08	1.14E-07	4.25E-08	2.28E-07	8.35E-08
518	489863.7	3861200	7.32E-04	7.50E-04	7.07E-04	2.53E-07	7.65E-07	4.43E-07	4.54E-07	4.11E-07	1.88E-07	1.77E-07	0.00E+00	0.00E+00	8.15E-08	1.54E-08	9.77E-08	1.51E-08	1.37E-08	2.23E-07	2.31E-07	8.47E-08	1.15E-07	4.31E-08	2.31E-07	8.47E-08
519	489913.7	3861200	7.41E-04	7.59E-04	7.16E-04	2.56E-07	7.74E-07	4.48E-07	4.59E-07	4.16E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.25E-08	1.56E-08	9.89E-08	1.53E-08	1.39E-08	2.26E-07	2.34E-07	8.58E-08	1.17E-07	4.36E-08	2.34E-07	8.58E-08
520	489963.7	3861200	7.51E-04	7.69E-04	7.26E-04	2.60E-07	7.85E-07	4.55E-07	4.66E-07	4.22E-07	1.93E-07	1.82E-07	0.00E+00	0.00E+00	8.36E-08	1.58E-08	1.00E-07	1.55E-08	1.41E-08	2.29E-07	2.37E-07	8.70E-08	1.18E-07	4.42E-08	2.37E-07	8.70E-08
521	490013.7	3861200	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	0.00E+00	0.00E+00	8.48E-08	1.60E-08	1.02E-07	1.57E-08	1.43E-08	2.32E-07	2.40E-07	8.82E-08	1.20E-07	4.48E-08	2.40E-07	8.82E-08
522	490063.7	3861200	7.73E-04	7.92E-04	7.47E-04	2.68E-07	8.08E-07	4.68E-07	4.79E-07	4.34E-07	1.98E-07	1.87E-07	0.00E+00	0.00E+00	8.61E-08	1.63E-08	1.03E-07	1.59E-08	1.45E-08	2.36E-07	2.44E-07	8.95E-08	1.22E-07	4.55E-08	2.44E-07	8.95E-08
523	489513.7	3861250	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	0.00E+00	0.00E+00	7.33E-08	1.38E-08	8.79E-08	1.35E-08	1.23E-08	2.01E-07	2.08E-07	7.62E-08	1.04E-07	3.87E-08	2.08E-07	7.62E-08
524	489563.7	3861250	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	0.00E+00	0.00E+00	7.41E-08	1.40E-08	8.88E-08	1.37E-08	1.25E-08	2.03E-07	2.10E-07	7.71E-08	1.05E-07	3.92E-08	2.10E-07	7.71E-08
525	489613.7	3861250	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.49E-08	1.42E-08	8.98E-08	1.39E-08	1.26E-08	2.05E-07	2.12E-07	7.79E-08	1.06E-07	3.96E-08	2.12E-07	7.79E-08
526	489663.7	3861250	6.80E-04	6.97E-04	6.57E-04	2.36E-07	7.11E-07	4.12E-07	4.22E-07	3.82E-07	1.74E-07	1.65E-07	0.00E+00	0.00E+00	7.57E-08	1.43E-08	9.08E-08	1.40E-08	1.27E-08	2.08E-07	2.15E-07	7.88E-08	1.07E-07	4.01E-08	2.15E-07	7.88E-08
527	489713.7	3861250	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.66E-08	1.45E-08	9.18E-08	1.42E-08	1.29E-08	2.10E-07	2.17E-07	7.96E-08	1.08E-07	4.05E-08	2.17E-07	7.96E-08
528	489763.7	3861250	6.97E-04	7.13E-04	6.73E-04	2.41E-07	7.28E-07	4.21E-07	4.32E-07	3.91E-07	1.79E-07	1.68E-07	0.00E+00	0.00E+00	7.75E-08	1.47E-08	9.30E-08	1.43E-08	1.30E-08	2.13E-07	2.20E-07	8.06E-08	1.10E-07	4.10E-08	2.20E-07	8.06E-08
529	489813.7	3861250	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	0.00E+00	0.00E+00	7.85E-08	1.48E-08	9.42E-08	1.45E-08	1.32E-08	2.15E-07	2.23E-07	8.17E-08	1.11E-07	4.15E-08	2.23E-07	8.17E-08
530	489863.7	3861250	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	0.00E+00	0.00E+00	7.95E-08	1.50E-08	9.53E-08	1.47E-08	1.34E-08	2.18E-07	2.25E-07	8.27E-08	1.13E-07	4.21E-08	2.25E-07	8.27E-08
531	489913.7	3861250	7.23E-04	7.41E-04	6.99E-04	2.50E-07	7.56E-07	4.38E-07	4.48E-07	4.06E-07	1.85E-07	1.75E-07	0.00E+00	0.00E+00	8.05E-08	1.52E-08	9.65E-08	1.49E-08	1.35E-08	2.21E-07	2.28E-07	8.37E-08	1.14E-07	4.26E-08	2.28E-07	8.37E-08
532	489963.7	3861250	7.32E-04	7.50E-04	7.07E-04	2.53E-07	7.65E-07	4.43E-07	4.54E-07	4.11E-07	1.88E-07	1.77E-07	0.00E+00	0.00E+00	8.15E-08	1.54E-08	9.77E-08	1.51E-08	1.37E-08	2.23E-07	2.31E-07	8.47E-08	1.15E-07	4.31E-08	2.31E-07	8.47E-08
533	490013.7	3861250	7.42E-04	7.60E-04	7.17E-04	2.57E-07	7.76E-07	4.49E-07	4.60E-07	4.17E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.26E-08	1.56E-08	9.91E-08	1.53E-08	1.39E-08	2.27E-07	2.34E-07	8.59E-08	1.17E-07	4.37E-08	2.34E-07	8.59E-08
534	490063.7	3861250	7.53E-04	7.71E-04	7.27E-04	2.61E-07	7.87E-07	4.55E-07	4.66E-07	4.23E-07	1.93E-07	1.82E-07	0.00E+00	0.00E+00	8.38E-08	1.58E-08	1.00E-07	1.55E-08	1.41E-08	2.30E-07	2.38E-07	8.71E-08	1.19E-07	4.43E-08	2.38E-07	8.71E-08
535	489528.1	3861308	6.45E-04	6.61E-04	6.23E-04	2.23E-07	6.74E-07	3.90E-07	4.00E-07	3.62E-07	1.65E-07	1.56E-07	0.00E+00	0.00E+00	7.18E-08	1.36E-08	8.61E-08	1.33E-08	1.21E-08	1.97E-07	2.04E-07	7.47E-08	1.02E-07	3.80E-08	2.04E-07	7.47E-08
536	489578.1	3861308	6.51E-04	6.67E-04	6.29E-04	2.25E-07	6.80E-07	3.94E-07	4.03E-07	3.66E-07	1.67E-07	1.57E-07	0.00E+00	0.00E+00	7.25E-08	1.37E-08	8.69E-08	1.34E-08	1.22E-08	1.99E-07	2.05E-07	7.53E-08	1.03E-07	3.83E-08	2.05E-07	7.53E-08
537	489628.1	3861308	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	0.00E+00	0.00E+00	7.33E-08	1.38E-08	8.79E-08	1.35E-08	1.23E-08	2.01E-07	2.08E-07	7.62E-08	1.04E-07	3.87E-08	2.08E-07	7.62E-08
538	489678.1	3861308	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	0.00E+00	0.00E+00	7.39E-08	1.40E-08	8.86E-08	1.37E-08	1.24E-08	2.03E-07	2.10E-07	7.69E-08	1.05E-07	3.91E-08	2.10E-07	7.69E-08
539	489728.1	3861308	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.49E-08	1.42E-08	8.98E-08	1.39E-08	1.26E-08	2.05E-07	2.12E-07	7.79E-08	1.06E-07	3.96E-08	2.12E-07	7.79E-08
540	489778.1	3861308	6.80E-04	6.97E-04	6.57E-04	2.36E-07	7.11E-07	4.12E-07	4.22E-07	3.82E-07	1.74E-07	1.65E-07	0.00E+00	0.00E+00	7.57E-08	1.43E-08	9.08E-08	1.40E-08	1.27E-08	2.08E-07	2.15E-07	7.88E-08	1.07E-07	4.01E-08	2.15E-07	7.88E-08
541	489678.1	3861358	6.51E-04	6.67E-04	6.29E-04	2.25E-07	6.80E-07	3.94E-07	4.03E-07	3.66E-07	1.67E-07	1.57E-07	0.00E+00	0.00E+00	7.25E-08	1.37E-08	8.69E-08	1.34E-08	1.22E-08	1.99E-07	2.05E-07	7.53E-08	1.03E-07	3.83E-08	2.05E-07	7.53E-08
542	489728.1	3861358	6.57E-04	6.73E-04	6.35E-04	2.27E-07	6.86E-07	3.97E-07	4.07E-07	3.69E-07	1.68E-07	1.59E-07	0.00E+00	0.00E+00	7.31E-08	1.38E-08	8.77E-08	1.35E-08	1.23E-08	2.00E-07	2.07E-07	7.60E-08	1.03E-07	3.87E-08	2.07E-07	7.60E-08
543	489528.1	3861408	6.18E-04	6.33E-04	5.97E-04	2.14E-07	6.46E-07	3.74E-07	3.83E-07	3.47E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.88E-08	1.30E-08	8.25E-08	1.27E-08	1.16E-08	1.89E-07	1.95E-07	7.16E-08	9.74E-08	3.64E-08	1.95E-07	7.16E-08
544	489578.1	3861408	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.95E-08	1.31E-08	8.33E-08	1.29E-08	1.17E-08	1.90E-07	1.97E-07	7.23E-08	9.83E-08	3.68E-08	1.97E-07	7.23E-08
545	489628.1	3861408	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.33E-08	8.41E-08	1.30E-08	1.18E-08	1.92E-07	1.99E-07	7.30E-08	9.93E-08	3.71E-08	1.99E-07	7.30E-08
546	489678.1	3861408	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	0.00E+00	0.00E+00	7.08E-08	1.34E-08	8.49E-08	1.31E-08	1.19E-08	1.94E-07	2.01E-07	7.36E-08	1.00E-07	3.74E-08	2.01E-07	7.36E-08
547	489728.1	3861408	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	0.00E+00	0.00E+00	7.16E-08	1.35E-08	8.59E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.45E-08	1.01E-07	3.79E-08	2.03E-07	7.45E-08
548	489528.1	3861458	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	0.00E+00	0.00E+00	6.75E-08	1.28E-08	8.10E-08	1.25E-08	1.14E-08	1.85E-07	1.91E-07	7.02E-08	9.56E-08	3.57E-08	1.91E-07	7.02E-08
549	489578.1	3861458	6.12E-04	6.27E-04	5.92E-04	2.12E-07	6.40E-07	3.71E-07	3.80E-07	3.44E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.82E-08	1.29E-08	8.18E-08	1.26E-08	1.15E-08	1.87E-07	1.93E-07	7.09E-08	9.65E-08	3.61E-08	1.93E-07	7.09E-08
550	489628.1	3861458	6.18E-04	6.33E-04	5.97E-04	2.14E-07	6.46E-07	3.74E-07	3.83E-07	3.47E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.88E-08	1.30E-08	8.25E-08	1.27E-08	1.16E-08	1.89E-07	1.95E-07	7.16E-08	9.74E-08	3.64E-08	1.95E-07	7.16E-08
551	489678.1	3861458	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.95E-08	1.31E-08	8.33E-08	1.29E-08	1.17E-08	1.90E-07	1.97E-07	7.23E-08	9.83E-08	3.68E-08	1.97E-07	7.23E-08
552	489728.1	3861458	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.33E-08	8.41E-08	1.30E-08	1.18E-08	1.92E-07	1.99E-07	7.30E-08	9.93E-08	3.71E-08	1.99E-07	7.30E-08
553	489528.1	3861508	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	0.00E+00	0.00E+00	6.62E-08	1.25E-08	7.94E-08	1.22E-08	1.11E-08	1.81E-07	1.88E-07	6.89E-08	9.37E-08	3.50E-08	1.88E-07	6.89E-08
554	489578.1	3861508	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	0.00E+00	0.00E+00	6.69E-08	1.26E-08	8.02E-08	1.24E-08	1.12E-08	1.83E-07	1.90E-07	6.95E-08	9.46E-08	3.54E-08	1.90E-07	6.95E-08
555	489628.1	3861508	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	0.00E+00	0.00E+00	6.75E-08	1.28E-08	8.10E-08	1.25E-08	1.14E-08	1.85E-07	1.91E-07	7.02E-08	9.56E-08	3.57E-08	1.91E-07	7.02E-08
556	489678.1	3861508	6.11E-04	6.26E-04	5.90E-04	2.12E-07	6.39E-07	3.70E-07	3.79E-07	3.43E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.80E-08	1.29E-08	8.16E-08	1.26E-08	1.14E-08	1.86E-07	1.93E-07	7.07E-08	9.63E-08	3.60E-08	1.93E-07	7.07E-08
557	489728.1	3861508	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	0.00E+00	0.00E+00	6.87E-08	1.30E-08	8.23E-08	1.27E-08	1.16E-08	1.88E-07	1.95E-07	7.14E-08	9.72E-08	3.63E-08	1.95E-07	7.14E-08
558	489628.1	3861558	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	0.00E+00	0.00E+00	6.62E-08	1.25E-08	7.94E-08	1.22E-08	1.11E-08	1.81E-07	1.88E-07	6.89E-08	9.37E-08	3.50E-08	1.88E-07	6.89E-08
559	489678.1	3861558	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	0.00E+00	0.00E+00	6.69E-08	1.26E-08	8.02E-08	1.24E-08	1.12E-08	1.83E-07	1.90E-07	6.95E-08	9.46E-08	3.54E-08	1.90E-07	6.95E-08
560	489728.1	3861558	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	0.00E+00	0.00E+00	6.75E-08	1.28E-08	8.10E-08	1.25E-08	1.14E-08	1.85E-07	1.91E-07	7.02E-08	9.56E-08	3.57E-08	1.91E-07	7.02E-08
561	489357.1	3861016	7.08E-04	7.26E-04	6.84E-04	2.45E-07	7.40E-07	4.29E-07	4.39E-07	3.98E-07	1.82E-07	1.71E-07	0.00E+00	0.00E+00	7.89E-08	1.49E-08	9.46E-08	1.46E-08	1.33E-08	2.16E-07	2.24E-07	8.20E-08	1.12E-07	4.17E-08	2.24E-07	8.20E-08
562	489407.1	3861016	7.16E-04	7.33E-04	6.92E-04	2.48E-07	7.48E-07	4.33E-07	4.44E-07	4.02E-07	1.83E-07	1.73E-07	0.00E+00	0.00E+00	7.97E-08	1.51E-08	9.55E-08	1.47E-08	1.34E-08	2.18E-07	2.26E-07	8.29E-08	1.13E-07	4.21E-08	2.26E-07	8.29E-08
563	489457.1	3861016	7.23E-04	7.41E-04	6.99E-04	2.50E-07	7.56E-07	4.38E-07	4.48E-07	4.06E-07	1.85E-07	1.75E-07	0.00E+00	0.00E+00	8.05E-08	1.52E-08	9.65E-08	1.49E-08	1.35E-08	2.21E-07	2.28E-07	8.37E-08	1.14E-07	4.26E-08	2.28E-07	8.37E-08
564	489357.1	3861066	6.94E-04	7.10E-04	6.70E-04	2.40E-07	7.25E-07	4.20E-07	4.30E-07	3.90E-07	1.78E-07	1.68E-07	0.00E+00	0.00E+00	7.72E-08	1.46E-08	9.26E-08	1.43E-08	1.30E-08	2.12E-07	2.19E-07	8.03E-08	1.09E-07	4.08E-08	2.19E-07	8.03E-08
565	489407.1	3861066	7.00E-04	7.17E-04	6.76E-04	2.42E-07	7.31E-07	4.23E-07	4.34E-07	3.93E-07	1.79E-07	1.69E-07	0.00E+00	0.00E+00	7.79E-08	1.47E-08	9.34E-08	1.44E-08	1.31E-08	2.13E-07	2.21E-07	8.10E-08	1.10E-07	4.12E-08	2.21E-07	8.10E-08
566	489457.1	3861066	7.07E-04	7.24E-04	6.83E-04	2.45E-07	7.39E-07	4.28E-07	4.38E-07	3.97E-07	1.81E-07	1.71E-07	0.00E+00	0.00E+00	7.87E-08	1.49E-08	9.44E-08	1.46E-08	1.32E-08	2.16E-07	2.23E-07	8.18E-08	1.11E-07	4.16E-08	2.23E-07	8.18E-08
567	489357.1	3861116	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	0.00E+00	0.00E+00	7.56E-08	1.43E-08	9.06E-08	1.40E-08	1.27E-08	2.07E-07	2.14E-07	7.86E-08	1.07E-07	4.00E-08	2.14E-07	7.86E-08
568	489407.1	3861116	6.85E-04	7.01E-04	6.62E-04	2.37E-07	7.16E-07	4.14E-07	4.24E-07	3.85E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.62E-08	1.44E-08	9.14E-08	1.41E-08	1.28E-08	2.09E-07	2.16E-07	7.93E-08	1.08E-07	4.03E-08	2.16E-07	7.93E-08
569	489457.1	3861116	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.71E-08	1.46E-08	9.24E-08	1.42E-08	1.30E-08	2.11E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
570	489407.1	3861166	6.70E-04	6.86E-04	6.47E-04	2.32E-07	7.00E-07	4.05E-07	4.15E-07	3.76E-07	1.72E-07	1.62E-07	0.00E+00	0.00E+00	7.46E-08	1.41E-08	8.94E-08	1.38E-08	1.25E-08	2.04E-07	2.11E-07	7.76E-08	1.06E-07	3.94E-08	2.11E-07	7.76E-08
571	489457.1	3861166	6.77E-04	6.94E-04	6.54E-04	2.35E-07	7.08E-07	4.10E-07	4.20E-07	3.81E-07	1.74E-07	1.64E-07	0.00E+00	0.00E+00	7.54E-08	1.42E-08	9.04E-08	1.39E-08	1.27E-08	2.07E-07	2.14E-07	7.84E-08	1.07E-07	3.99E-08	2.14E-07	7.84E-08
572	489407.1	3861216	6.55E-04	6.71E-04	6.33E-04	2.27E-07	6.85E-07	3.96E-07	4.06E-07	3.68E-07	1.68E-07	1.58E-07	0.00E+00	0.00E+00	7.29E-08	1.38E-08	8.75E-08	1.35E-08	1.23E-08	2.00E-07	2.07E-07	7.59E-08	1.03E-07	3.86E-08	2.07E-07	7.59E-08
573	489457.1	3861216	6.61E-04	6.77E-04	6.39E-04	2.29E-07	6.91E-07	4.00E-07	4.10E-07	3.71E-07	1.69E-07	1.60E-07	0.00E+00	0.00E+00	7.36E-08	1.39E-08	8.83E-08	1.36E-08	1.24E-08	2.02E-07	2.09E-07	7.65E-08	1.04E-07	3.89E-08	2.09E-07	7.65E-08
574	489407.1	3861266	6.41E-04	6.56E-04	6.19E-04	2.22E-07	6.69E-07	3.88E-07	3.97E-07	3.60E-07	1.64E-07	1.55E-07	0.00E+00	0.00E+00	7.13E-08	1.35E-08	8.55E-08	1.32E-08	1.20E-08	1.95E-07	2.02E-07	7.41E-08	1.01E-07	3.77E-08	2.02E-07	7.41E-08
575	489457.1	3861266	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	0.00E+00	0.00E+00	7.20E-08	1.36E-08	8.63E-08	1.33E-08	1.21E-08	1.97E-07	2.04E-07	7.48E-08	1.02E-07	3.81E-08	2.04E-07	7.48E-08
576	489309.9	3861110	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.49E-08	1.42E-08	8.98E-08	1.39E-08	1.26E-08	2.05E-07	2.12E-07	7.79E-08	1.06E-07	3.96E-08	2.12E-07	7.79E-08
577	489407.1	3861316	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	6.98E-08	1.32E-08	8.37E-08	1.29E-08	1.17E-08	1.91E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
578	489457.1	3861316	6.33E-04	6.48E-04	6.12E-04	2.19E-07	6.62E-07	3.83E-07	3.92E-07	3.56E-07	1.62E-07	1.53E-07	0.00E+00	0.00E+00	7.05E-08	1.33E-08	8.45E-08	1.30E-08	1.19E-08	1.93E-07	2.00E-07	7.33E-08	9.97E-08	3.73E-08	2.00E-07	7.33E-08
579	488906	3861007	6.54E-04	6.70E-04	6.32E-04	2.26E-07	6.83E-07	3.96E-07	4.05E-07	3.67E-07	1.68E-07	1.58E-07	0.00E+00	0.00E+00	7.28E-08	1.38E-08	8.73E-08	1.35E-08	1.22E-08	2.00E-07	2.06E-07	7.57E-08	1.03E-07	3.85E-08	2.06E-07	7.57E-08
580	488956	3861007	6.60E-04	6.76E-04	6.37E-04	2.28E-07	6.90E-07	3.99E-07	4.09E-07	3.71E-07	1.69E-07	1.60E-07	0.00E+00	0.00E+00	7.34E-08	1.39E-08	8.81E-08	1.36E-08	1.24E-08	2.01E-07	2.08E-07	7.64E-08	1.04E-07	3.88E-08	2.08E-07	7.64E-08
581	488904.2	3861052	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	0.00E+00	0.00E+00	7.16E-08	1.35E-08	8.59E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.45E-08	1.01E-07	3.79E-08	2.03E-07	7.45E-08
582	488954.2	3861052	6.48E-04	6.64E-04	6.26E-04	2.24E-07	6.77E-07	3.92E-07	4.02E-07	3.64E-07	1.66E-07	1.57E-07	0.00E+00	0.00E+00	7.21E-08	1.36E-08	8.65E-08	1.33E-08	1.21E-08	1.98E-07	2.04E-07	7.50E-08	1.02E-07	3.81E-08	2.04E-07	7.50E-08
583	489004.2	3861052	6.55E-04	6.71E-04	6.33E-04	2.27E-07	6.85E-07	3.96E-07	4.06E-07	3.68E-07	1.68E-07	1.58E-07	0.00E+00	0.00E+00	7.29E-08	1.38E-08	8.75E-08	1.35E-08	1.23E-08	2.00E-07	2.07E-07	7.59E-08	1.03E-07	3.86E-08	2.07E-07	7.59E-08
584	488804.2	3861102	6.20E-04	6.35E-04	5.99E-04	2.15E-07	6.48E-07	3.75E-07	3.84E-07	3.48E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.90E-08	1.30E-08	8.27E-08	1.28E-08	1.16E-08	1.89E-07	1.96E-07	7.18E-08	9.77E-08	3.65E-08	1.96E-07	7.18E-08
585	488854.2	3861102	6.26E-04	6.41E-04	6.05E-04	2.17E-07	6.54E-07	3.79E-07	3.88E-07	3.52E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.97E-08	1.32E-08	8.35E-08	1.29E-08	1.17E-08	1.91E-07	1.98E-07	7.24E-08	9.86E-08	3.68E-08	1.98E-07	7.24E-08

586	488904.2	3861102	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	7.00E-08	1.32E-08	8.39E-08	1.29E-08	1.18E-08	1.92E-07	1.98E-07	7.28E-08	9.90E-08	3.70E-08	1.98E-07	7.28E-08
587	488954.2	3861102	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	0.00E+00	0.00E+00	7.06E-08	1.33E-08	8.47E-08	1.31E-08	1.19E-08	1.94E-07	2.00E-07	7.35E-08	1.00E-07	3.74E-08	2.00E-07	7.35E-08
588	489004.2	3861102	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	0.00E+00	0.00E+00	7.11E-08	1.34E-08	8.53E-08	1.32E-08	1.20E-08	1.95E-07	2.02E-07	7.40E-08	1.01E-07	3.76E-08	2.02E-07	7.40E-08
589	488804.2	3861152	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	0.00E+00	0.00E+00	6.75E-08	1.28E-08	8.10E-08	1.25E-08	1.14E-08	1.85E-07	1.91E-07	7.02E-08	9.56E-08	3.57E-08	1.91E-07	7.02E-08
590	488854.2	3861152	6.11E-04	6.26E-04	5.90E-04	2.12E-07	6.39E-07	3.70E-07	3.79E-07	3.43E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.80E-08	1.29E-08	8.16E-08	1.26E-08	1.14E-08	1.86E-07	1.93E-07	7.07E-08	9.63E-08	3.60E-08	1.93E-07	7.07E-08
591	489129.5	3861188	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.33E-08	8.41E-08	1.30E-08	1.18E-08	1.92E-07	1.99E-07	7.30E-08	9.93E-08	3.71E-08	1.99E-07	7.30E-08
592	489179.5	3861188	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	0.00E+00	0.00E+00	7.08E-08	1.34E-08	8.49E-08	1.31E-08	1.19E-08	1.94E-07	2.01E-07	7.36E-08	1.00E-07	3.74E-08	2.01E-07	7.36E-08
593	488804.2	3861202	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	0.00E+00	0.00E+00	6.62E-08	1.25E-08	7.94E-08	1.22E-08	1.11E-08	1.81E-07	1.88E-07	6.89E-08	9.37E-08	3.50E-08	1.88E-07	6.89E-08
594	488854.2	3861202	5.99E-04	6.14E-04	5.79E-04	2.07E-07	6.26E-07	3.63E-07	3.71E-07	3.37E-07	1.54E-07	1.45E-07	0.00E+00	0.00E+00	6.67E-08	1.26E-08	8.00E-08	1.23E-08	1.12E-08	1.83E-07	1.89E-07	6.94E-08	9.44E-08	3.53E-08	1.89E-07	6.94E-08
595	489129.5	3861238	6.18E-04	6.33E-04	5.97E-04	2.14E-07	6.46E-07	3.74E-07	3.83E-07	3.47E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.88E-08	1.30E-08	8.25E-08	1.27E-08	1.16E-08	1.89E-07	1.95E-07	7.16E-08	9.74E-08	3.64E-08	1.95E-07	7.16E-08
596	489179.5	3861238	6.23E-04	6.38E-04	6.02E-04	2.16E-07	6.51E-07	3.77E-07	3.86E-07	3.50E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.93E-08	1.31E-08	8.31E-08	1.28E-08	1.17E-08	1.90E-07	1.97E-07	7.21E-08	9.81E-08	3.67E-08	1.97E-07	7.21E-08
597	488804.2	3861252	5.84E-04	5.99E-04	5.65E-04	2.02E-07	6.11E-07	3.54E-07	3.62E-07	3.28E-07	1.50E-07	1.41E-07	0.00E+00	0.00E+00	6.51E-08	1.23E-08	7.80E-08	1.20E-08	1.09E-08	1.78E-07	1.84E-07	6.77E-08	9.21E-08	3.44E-08	1.84E-07	6.77E-08
598	488854.2	3861252	5.87E-04	6.02E-04	5.67E-04	2.03E-07	6.14E-07	3.55E-07	3.64E-07	3.30E-07	1.51E-07	1.42E-07	0.00E+00	0.00E+00	6.54E-08	1.24E-08	7.84E-08	1.21E-08	1.10E-08	1.79E-07	1.85E-07	6.80E-08	9.25E-08	3.46E-08	1.85E-07	6.80E-08
599	488804.2	3861302	5.73E-04	5.87E-04	5.53E-04	1.98E-07	5.99E-07	3.46E-07	3.55E-07	3.22E-07	1.47E-07	1.38E-07	0.00E+00	0.00E+00	6.37E-08	1.20E-08	7.64E-08	1.18E-08	1.07E-08	1.75E-07	1.81E-07	6.63E-08	9.02E-08	3.37E-08	1.81E-07	6.63E-08
600	488854.2	3861302	5.77E-04	5.91E-04	5.58E-04	2.00E-07	6.03E-07	3.49E-07	3.58E-07	3.24E-07	1.48E-07	1.40E-07	0.00E+00	0.00E+00	6.42E-08	1.21E-08	7.70E-08	1.19E-08	1.08E-08	1.76E-07	1.82E-07	6.68E-08	9.09E-08	3.40E-08	1.82E-07	6.68E-08
601	490943.5	3860182	4.62E-03	4.73E-03	4.47E-03	1.60E-06	4.83E-06	2.80E-06	2.86E-06	2.60E-06	1.18E-06	1.12E-06	0.00E+00	0.00E+00	5.15E-07	9.72E-08	6.17E-07	9.51E-08	8.65E-08	1.41E-06	1.46E-06	5.35E-07	7.28E-07	2.72E-07	1.46E-06	5.35E-07
602	490993.5	3860182	5.21E-03	5.34E-03	5.03E-03	1.80E-06	5.45E-06	3.15E-06	3.23E-06	2.93E-06	1.34E-06	1.26E-06	0.00E+00	0.00E+00	5.80E-07	1.10E-07	6.96E-07	1.07E-07	9.76E-08	1.59E-06	1.64E-06	6.03E-07	8.21E-07	3.07E-07	1.64E-06	6.03E-07
603	491043.5	3860182	6.02E-03	6.16E-03	5.81E-03	2.08E-06	6.29E-06	3.64E-06	3.73E-06	3.38E-06	1.54E-06	1.45E-06	0.00E+00	0.00E+00	6.70E-07	1.27E-07	8.03E-07	1.24E-07	1.13E-07	1.84E-06	1.90E-06	6.97E-07	9.48E-07	3.54E-07	1.90E-06	6.97E-07
604	491093.5	3860182	7.17E-03	7.34E-03	6.92E-03	2.48E-06	7.49E-06	4.34E-06	4.44E-06	4.03E-06	1.84E-06	1.73E-06	0.00E+00	0.00E+00	7.98E-07	1.51E-07	9.57E-07	1.48E-07	1.34E-07	2.19E-06	2.26E-06	8.30E-07	1.13E-06	4.22E-07	2.26E-06	8.30E-07
605	490943.5	3860232	3.90E-03	4.00E-03	3.77E-03	1.35E-06	4.08E-06	2.36E-06	2.42E-06	2.19E-06	1.00E-06	9.44E-07	0.00E+00	0.00E+00	4.34E-07	8.21E-08	5.21E-07	8.03E-08	7.31E-08	1.19E-06	1.23E-06	4.52E-07	6.15E-07	2.30E-07	1.23E-06	4.52E-07
606	490993.5	3860232	4.34E-03	4.44E-03	4.19E-03	1.50E-06	4.53E-06	2.62E-06	2.69E-06	2.44E-06	1.11E-06	1.05E-06	0.00E+00	0.00E+00	4.83E-07	9.12E-08	5.79E-07	8.93E-08	8.12E-08	1.32E-06	1.37E-06	5.02E-07	6.83E-07	2.55E-07	1.37E-06	5.02E-07
607	491043.5	3860232	4.87E-03	4.98E-03	4.70E-03	1.68E-06	5.09E-06	2.94E-06	3.02E-06	2.73E-06	1.25E-06	1.18E-06	0.00E+00	0.00E+00	5.42E-07	1.02E-07	6.50E-07	1.00E-07	9.11E-08	1.48E-06	1.54E-06	5.63E-07	7.67E-07	2.86E-07	1.54E-06	5.63E-07
608	491093.5	3860232	5.58E-03	5.72E-03	5.39E-03	1.93E-06	5.84E-06	3.38E-06	3.46E-06	3.14E-06	1.43E-06	1.35E-06	0.00E+00	0.00E+00	6.21E-07	1.17E-07	7.45E-07	1.15E-07	1.05E-07	1.70E-06	1.76E-06	6.46E-07	8.80E-07	3.29E-07	1.76E-06	6.46E-07
609	490943.5	3860282	3.39E-03	3.47E-03	3.27E-03	1.17E-06	3.54E-06	2.05E-06	2.10E-06	1.90E-06	8.68E-07	8.19E-07	0.00E+00	0.00E+00	3.77E-07	7.12E-08	4.52E-07	6.97E-08	6.34E-08	1.03E-06	1.07E-06	3.92E-07	5.34E-07	1.99E-07	1.07E-06	3.92E-07
610	490993.5	3860282	3.71E-03	3.80E-03	3.58E-03	1.28E-06	3.87E-06	2.24E-06	2.30E-06	2.08E-06	9.50E-07	8.96E-07	0.00E+00	0.00E+00	4.13E-07	7.80E-08	4.95E-07	7.63E-08	6.94E-08	1.13E-06	1.17E-06	4.29E-07	5.84E-07	2.18E-07	1.17E-06	4.29E-07
611	491043.5	3860282	4.09E-03	4.19E-03	3.95E-03	1.42E-06	4.28E-06	2.48E-06	2.54E-06	2.30E-06	1.05E-06	9.90E-07	0.00E+00	0.00E+00	4.56E-07	8.61E-08	5.46E-07	8.42E-08	7.66E-08	1.25E-06	1.29E-06	4.74E-07	6.45E-07	2.41E-07	1.29E-06	4.74E-07
612	491093.5	3860282	4.59E-03	4.70E-03	4.43E-03	1.59E-06	4.80E-06	2.78E-06	2.84E-06	2.58E-06	1.18E-06	1.11E-06	0.00E+00	0.00E+00	5.11E-07	9.65E-08	6.12E-07	9.44E-08	8.59E-08	1.40E-06	1.45E-06	5.31E-07	7.23E-07	2.70E-07	1.45E-06	5.31E-07
613	490943.5	3860332	3.00E-03	3.07E-03	2.90E-03	1.04E-06	3.13E-06	1.81E-06	1.86E-06	1.68E-06	7.69E-07	7.25E-07	0.00E+00	0.00E+00	3.34E-07	6.31E-08	4.00E-07	6.17E-08	5.61E-08	9.15E-07	9.47E-07	3.47E-07	4.72E-07	1.77E-07	9.47E-07	3.47E-07
614	490993.5	3860332	3.24E-03	3.31E-03	3.13E-03	1.12E-06	3.38E-06	1.96E-06	2.00E-06	1.82E-06	8.29E-07	7.82E-07	0.00E+00	0.00E+00	3.60E-07	6.81E-08	4.32E-07	6.66E-08	6.06E-08	9.87E-07	1.02E-06	3.74E-07	5.10E-07	1.90E-07	1.02E-06	3.74E-07
615	491043.5	3860332	3.52E-03	3.61E-03	3.40E-03	1.22E-06	3.68E-06	2.13E-06	2.18E-06	1.98E-06	9.03E-07	8.52E-07	0.00E+00	0.00E+00	3.92E-07	7.41E-08	4.70E-07	7.25E-08	6.60E-08	1.08E-06	1.11E-06	4.08E-07	5.55E-07	2.07E-07	1.11E-06	4.08E-07
616	491093.5	3860332	3.89E-03	3.98E-03	3.76E-03	1.35E-06	4.06E-06	2.35E-06	2.41E-06	2.18E-06	9.96E-07	9.40E-07	0.00E+00	0.00E+00	4.33E-07	8.18E-08	5.19E-07	8.00E-08	7.28E-08	1.19E-06	1.23E-06	4.50E-07	6.12E-07	2.29E-07	1.23E-06	4.50E-07
617	490086.7	3859935	2.98E-03	3.05E-03	2.88E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.67E-06	7.63E-07	7.20E-07	0.00E+00	0.00E+00	3.31E-07	6.26E-08	3.97E-07	6.13E-08	5.57E-08	9.08E-07	9.40E-07	3.45E-07	4.69E-07	1.75E-07	9.40E-07	3.45E-07
618	490136.7	3859935	3.17E-03	3.24E-03	3.06E-03	1.10E-06	3.31E-06	1.92E-06	1.96E-06	1.78E-06	8.11E-07	7.65E-07	0.00E+00	0.00E+00	3.52E-07	6.66E-08	4.23E-07	6.52E-08	5.93E-08	9.66E-07	9.99E-07	3.66E-07	4.99E-07	1.86E-07	9.99E-07	3.66E-07
619	490186.7	3859935	3.38E-03	3.46E-03	3.27E-03	1.17E-06	3.53E-06	2.05E-06	2.10E-06	1.90E-06	8.67E-07	8.18E-07	0.00E+00	0.00E+00	3.76E-07	7.11E-08	4.51E-07	6.96E-08	6.33E-08	1.03E-06	1.07E-06	3.91E-07	5.33E-07	1.99E-07	1.07E-06	3.91E-07
620	490236.7	3859935	3.63E-03	3.72E-03	3.50E-03	1.26E-06	3.79E-06	2.20E-06	2.25E-06	2.04E-06	9.30E-07	8.77E-07	0.00E+00	0.00E+00	4.04E-07	7.63E-08	4.84E-07	7.47E-08	6.79E-08	1.11E-06	1.14E-06	4.20E-07	5.71E-07	2.14E-07	1.14E-06	4.20E-07
621	490286.7	3859935	3.91E-03	4.00E-03	3.78E-03	1.35E-06	4.08E-06	2.36E-06	2.42E-06	2.20E-06	1.00E-06	9.45E-07	0.00E+00	0.00E+00	4.35E-07	8.22E-08	5.22E-07	8.04E-08	7.32E-08	1.19E-06	1.23E-06	4.52E-07	6.16E-07	2.30E-07	1.23E-06	4.52E-07
622	490336.7	3859935	4.23E-03	4.34E-03	4.09E-03	1.47E-06	4.43E-06	2.56E-06	2.62E-06	2.38E-06	1.09E-06	1.02E-06	0.00E+00	0.00E+00	4.71E-07	8.91E-08	5.65E-07	8.72E-08	7.93E-08	1.29E-06	1.34E-06	4.90E-07	6.67E-07	2.49E-07	1.34E-06	4.90E-07
623	490386.7	3859935	4.63E-03	4.74E-03	4.47E-03	1.60E-06	4.84E-06	2.80E-06	2.87E-06	2.60E-06	1.19E-06	1.12E-06	0.00E+00	0.00E+00	5.15E-07	9.74E-08	6.18E-07	9.53E-08	8.67E-08	1.41E-06	1.46E-06	5.36E-07	7.29E-07	2.73E-07	1.46E-06	5.36E-07
624	490436.7	3859935	5.10E-03	5.23E-03	4.93E-03	1.77E-06	5.33E-06	3.09E-06	3.16E-06	2.87E-06	1.31E-06	1.23E-06	0.00E+00	0.00E+00	5.68E-07	1.07E-07	6.81E-07	1.05E-07	9.55E-08	1.56E-06	1.61E-06	5.91E-07	8.04E-07	3.00E-07	1.61E-06	5.91E-07
625	490486.7	3859935	5.69E-03	5.83E-03	5.50E-03	1.97E-06	5.95E-06	3.44E-06	3.53E-06	3.20E-06	1.46E-06	1.38E-06	0.00E+00	0.00E+00	6.33E-07	1.20E-07	7.60E-07	1.17E-07	1.07E-07	1.74E-06	1.80E-06	6.59E-07	8.97E-07	3.35E-07	1.80E-06	6.59E-07
626	490536.7	3859935	6.49E-03	6.65E-03	6.27E-03	2.25E-06	6.79E-06	3.93E-06	4.02E-06	3.65E-06	1.66E-06	1.57E-06	0.00E+00	0.00E+00	7.23E-07	1.37E-07	8.67E-07	1.34E-07	1.22E-07	1.98E-06	2.05E-06	7.52E-07	1.02E-06	3.82E-07	2.05E-06	7.52E-07
627	490586.7	3859935	7.57E-03	7.75E-03	7.31E-03	2.62E-06	7.91E-06	4.58E-06	4.69E-06	4.25E-06	1.94E-06	1.83E-06	0.00E+00	0.00E+00	8.42E-07	1.59E-07	1.01E-06	1.56E-07	1.42E-07	2.31E-06	2.39E-06	8.76E-07	1.19E-06	4.45E-07	2.39E-06	8.76E-07
628	490636.7	3859935	8.96E-03	9.18E-03	8.66E-03	3.10E-06	9.37E-06	5.42E-06	5.55E-06	5.03E-06	2.30E-06	2.17E-06	0.00E+00	0.00E+00	9.98E-07	1.89E-07	1.20E-06	1.84E-07	1.68E-07	2.73E-06	2.83E-06	1.04E-06	1.41E-06	5.28E-07	2.83E-06	1.04E-06
629	490686.7	3859935	1.11E-02	1.14E-02	1.07E-02	3.85E-06	1.16E-05	6.73E-06	6.89E-06	6.24E-06	2.85E-06	2.69E-06	0.00E+00	0.00E+00	1.24E-06	2.34E-07	1.48E-06	2.29E-07	2.08E-07	3.39E-06	3.51E-06	1.29E-06	1.75E-06	6.54E-07	3.51E-06	1.29E-06
630	490736.7	3859935	1.42E-02	1.46E-02	1.37E-02	4.92E-06	1.49E-05	8.60E-06	8.81E-06	7.99E-06	3.64E-06	3.44E-06	0.00E+00	0.00E+00	1.58E-06	2.99E-07	1.90E-06	2.93E-07	2.66E-07	4.34E-06	4.49E-06	1.65E-06	2.24E-06	8.37E-07	4.49E-06	1.65E-06
631	490086.7	3859985	2.61E-03	2.68E-03	2.53E-03	9.05E-07	2.73E-06	1.58E-06	1.62E-06	1.47E-06	6.70E-07	6.32E-07	0.00E+00	0.00E+00	2.91E-07	5.50E-08	3.49E-07	5.38E-08	4.89E-08	7.98E-07	8.25E-07	3.03E-07	4.12E-07	1.54E-07	8.25E-07	3.03E-07
632	490136.7	3859985	2.75E-03	2.82E-03	2.66E-03	9.53E-07	2.88E-06	1.67E-06	1.71E-06	1.55E-06	7.06E-07	6.66E-07	0.00E+00	0.00E+00	3.06E-07	5.79E-08	3.67E-07	5.67E-08	5.15E-08	8.40E-07	8.69E-07	3.19E-07	4.34E-07	1.62E-07	8.69E-07	3.19E-07
633	490186.7	3859985	2.91E-03	2.98E-03	2.81E-03	1.01E-06	3.04E-06	1.76E-06	1.80E-06	1.64E-06	7.46E-07	7.04E-07	0.00E+00	0.00E+00	3.24E-07	6.13E-08	3.89E-07	5.99E-08	5.45E-08	8.89E-07	9.19E-07	3.37E-07	4.59E-07	1.71E-07	9.19E-07	3.37E-07
634	490236.7	3859985	3.09E-03	3.17E-03	2.99E-03	1.07E-06	3.23E-06	1.87E-06	1.92E-06	1.74E-06	7.93E-07	7.48E-07	0.00E+00	0.00E+00	3.45E-07	6.51E-08	4.13E-07	6.37E-08	5.79E-08	9.44E-07	9.77E-07	3.58E-07	4.88E-07	1.82E-07	9.77E-07	3.58E-07
635	490286.7	3859985	3.29E-03	3.37E-03	3.18E-03	1.14E-06	3.44E-06	1.99E-06	2.04E-06	1.85E-06	8.44E-07	7.96E-07	0.00E+00	0.00E+00	3.66E-07	6.92E-08	4.39E-07	6.77E-08	6.16E-08	1.00E-06	1.04E-06	3.81E-07	5.18E-07	1.94E-07	1.04E-06	3.81E-07
636	490336.7	3859985	3.52E-03	3.60E-03	3.40E-03	1.22E-06	3.67E-06	2.13E-06	2.18E-06	1.97E-06	9.01E-07	8.50E-07	0.00E+00	0.00E+00	3.91E-07	7.40E-08	4.69E-07	7.24E-08	6.58E-08	1.07E-06	1.11E-06	4.07E-07	5.54E-07	2.07E-07	1.11E-06	4.07E-07
637	490386.7	3859985	3.76E-03	3.85E-03	3.64E-03	1.30E-06	3.93E-06	2.28E-06	2.33E-06	2.11E-06	9.65E-07	9.10E-07	0.00E+00	0.00E+00	4.19E-07	7.92E-08	5.02E-07	7.75E-08	7.05E-08	1.15E-06	1.19E-06	4.36E-07	5.93E-07	2.22E-07	1.19E-06	4.36E-07
638	490436.7	3859985	4.06E-03	4.16E-03	3.92E-03	1.41E-06	4.25E-06	2.46E-06	2.52E-06	2.28E-06	1.04E-06	9.82E-07	0.00E+00	0.00E+00	4.52E-07	8.54E-08	5.42E-07	8.36E-08	7.60E-08	1.24E-06	1.28E-06	4.70E-07	6.40E-07	2.39E-07	1.28E-06	4.70E-07
639	490486.7	3859985	4.42E-03	4.53E-03	4.27E-03	1.53E-06	4.62E-06	2.67E-06	2.74E-06	2.48E-06	1.13E-06	1.07E-06	0.00E+00	0.00E+00	4.92E-07	9.30E-08	5.90E-07	9.10E-08	8.28E-08	1.35E-06	1.40E-06	5.12E-07	6.96E-07	2.60E-07	1.40E-06	5.12E-07
640	490536.7	3859985	4.87E-03	4.99E-03	4.70E-03	1.69E-06	5.09E-06	2.95E-06	3.02E-06	2.74E-06	1.25E-06	1.18E-06	0.00E+00	0.00E+00	5.42E-07	1.02E-07	6.50E-07	1.00E-07	9.12E-08	1.49E-06	1.54E-06	5.64E-07	7.67E-07	2.87E-07	1.54E-06	5.64E-07
641	490586.7	3859985	5.43E-03	5.56E-03	5.25E-03	1.88E-06	5.68E-06	3.29E-06	3.37E-06	3.05E-06	1.39E-06	1.31E-06	0.00E+00	0.00E+00	6.05E-07	1.14E-07	7.25E-07	1.12E-07	1.02E-07	1.66E-06	1.71E-06	6.29E-07	8.56E-07	3.20E-07	1.71E-06	6.29E-07
642	490636.7	3859985	6.15E-03	6.30E-03	5.95E-03	2.13E-06	6.43E-06	3.72E-06	3.81E-06	3.46E-06	1.58E-06	1.49E-06	0.00E+00	0.00E+00	6.85E-07	1.29E-07	8.21E-07	1.27E-07	1.15E-07	1.88E-06	1.94E-06	7.12E-07	9.70E-07	3.62E-07	1.94E-06	7.12E-07
643	490686.7	3859985	7.13E-03	7.30E-03	6.89E-03	2.47E-06	7.45E-06	4.31E-06	4.42E-06	4.00E-06	1.83E-06	1.72E-06	0.00E+00	0.00E+00	7.93E-07	1.50E-07	9.51E-07	1.47E-07	1.33E-07	2.17E-06	2.25E-06	8.25E-07	1.12E-06	4.20E-07	2.25E-06	8.25E-07
644	490736.7	3859985	8.34E-03	8.54E-03	8.05E-03	2.89E-06	8.71E-06	5.04E-06	5.17E-06	4.68E-06	2.14E-06	2.02E-06	0.00E+00	0.00E+00	9.28E-07	1.75E-07	1.11E-06	1.72E-07	1.56E-07	2.54E-06	2.63E-06	9.65E-07	1.31E-06	4.91E-07	2.63E-06	9.65E-07
645	490786.7	3859985	1.00E-02	1.03E-02	9.70E-03	3.47E-06	1.05E-05	6.07E-06	6.22E-06	5.64E-06	2.57E-06	2.43E-06	0.00E+00	0.00E+00	1.12E-06	2.11E-07	1.34E-06	2.07E-07	1.88E-07	3.06E-06	3.17E-06	1.16E-06	1.58E-06	5.91E-07	3.17E-06	1.16E-06
646	490086.7	3860035	2.34E-03	2.39E-03	2.26E-03	8.09E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.99E-07	5.65E-07	0.00E+00	0.00E+00	2.60E-07	4.91E-08	3.12E-07	4.81E-08	4.37E-08	7.13E-07	7.37E-07	2.70E-07	3.68E-07	1.38E-07	7.37E-07	2.70E-07
647	490136.7	3860035	2.45E-03	2.50E-03	2.36E-03	8.47E-07	2.56E-06	1.48E-06	1.52E-06	1.37E-06	6.27E-07	5.91E-07	0.00E+00	0.00E+00	2.72E-07	5.14E-08	3.26E-07	5.03E-08	4.58E-08	7.46E-07	7.72E-07	2.83E-07	3.85E-07	1.44E-07	7.72E-07	2.83E-07
648	490186.7	3860035	2.57E-03	2.63E-03	2.48E-03	8.88E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.58E-07	6.21E-07	0.00E+00	0.00E+00	2.86E-07	5.40E-08	3.43E-07	5.28E-08	4.81E-08	7.83E-07	8.10E-07	2.97E-07	4.04E-07	1.51E-07	8.10E-07	2.97E-07
649	490236.7	3860035	2.70E-03	2.77E-03	2.61E-03	9.35E-07	2.82E-06	1.63E-06	1.67E-06	1.52E-06	6.92E-07	6.53E-07	0.00E+00	0.00E+00	3.01E-07	5.68E-08	3.61E-07	5.56E-08	5.06E-08	8.24E-07	8.52E-07	3.13E-07	4.25E-07	1.59E-07	8.52E-07	3.13E-07
650	490286.7	3860035	2.85E-03	2.91E-03	2.75E-03	9.85E-07	2.97E-06	1.72E-06	1.76E-06	1.60E-06	7.29E-07	6.88E-07	0.00E+00	0.00E+00	3.17E-07	5.99E-08	3.80E-07	5.86E-08	5.33E-08	8.68E-07	8.98E-07	3.29E-07	4.48E-07	1.68E-07	8.98E-07	3.29E-07
651	490336.7	3860035	3.02E-03	3.09E-03	2.91E-03	1.04E-06	3.15E-06	1.82E-06	1.87E-06	1.69E-06	7.73E-07	7.29E-07	0.00E+00	0.00E+00	3.36E-07	6.34E-08	4.02E-07	6.21E-08	5.65E-08	9.20E-07	9.52E-07	3.49E-07	4.75E-07	1.78E-07	9.52E-07	3.49E-07
652	490386.7	3860035	3.19E-03	3.27E-03	3.08E-03	1.10E-06	3.34E-06	1.93E-06	1.98E-06	1.79E-06	8.18E-07	7.72E-07	0.00E+00	0.00E+00	3.55E-07	6.71E-08	4.26E-07	6.57E-08	5.97E-08	9.74E-07	1.01E-06	3.69E-07	5.03E-07	1.88E-07	1.01E-06	3.69E-07
653	490436.7	3860035	3.40E-03	3.48E-03	3.28E-03	1.18E-06	3.55E-06	2.06E-06	2.11E-06	1.91E-06	8.71E-07	8.21E-07	0.00E+00	0.00E+00	3.78E-07	7.15E-08	4.53E-07	6.99E-08	6.36E-08	1.04E-06	1.07E-06	3.93E-07	5.35E-07	2.00E-07	1.07E-06	3.93E-07
654	490486.7	3860035	3.64E-03	3.73E-03	3.51E-03	1.26E-06	3.80E-06	2.20E-06	2.25E-06	2.04E-06	9.33E-07	8.80E-07	0.00E+00	0.00E+00	4.05E-07	7.65E-08	4.86E-07	7.49E-08	6.81E-08	1.11E-06	1.15E-06	4.21E-07	5.73E-07	2.14E-07	1.15E-06	4.21E-07
655	490536.7	3860035	3.93E-03	4.02E-03	3.80E-03	1.36E-06	4.11E-06	2.38E-06	2.43E-06	2.21E-06	1.01E-06	9.50E-07	0.00E+00	0.00E+00	4.37E-07	8.26E-08	5.24E-07	8.09E-08	7.36E-08	1.20E-06	1.24E-06	4.55E-07	6.19E-07	2.31E-07	1.24E-06	4.55E-07
656	490586.7	3860035	4.27E-03	4.37E-03	4.12E-03	1.48E-06	4.46E-06	2.58E-06	2.65E-06	2.40E-06	1.09E-06	1.03E-06	0.00E+00	0.00E+00	4.75E-07	8.98E-08	5.70E-07	8.79E-08	7.99E-08	1.30E-06	1.35E-06	4.94E-07	6.73E-07	2.51E-07	1.35E-06	4.94E-07
657	490636.7	3860035	4.66E-03	4.78E-03	4.51E-03	1.61E-06	4.87E-06	2.82E-06	2.89E-06	2.62E-06	1.20E-06	1.13E-06	0.00E+00	0.00E+00	5.19E-07	9.81E-08	6.23E-07	9.60E-08	8.73E-08	1.42E-06	1.47E-06	5.40E-07	7.35E-07	2.75E-07	1.47E-06	5.40E-07
658	490686.7	3860035	5.18E-03	5.31E-03	5.01E-03	1.79E-06	5.42E-06	3.14E-06	3.21E-06	2.91E-06	1.33E-06	1.25E-06	0.00E+00	0.00E+00	5.77E-07	1.09E-07	6.92E-07	1.07E-07	9.70E-08	1.58E-06	1.64E-06	6.00E-07	8.17E-07	3.05E-07	1.64E-06	6.00E-07
659	490736.7	3860035	5.88E-03	6.02E-03	5.68E-03	2.03E-06	6.14E-06	3.56E-06	3.64E-06	3.30E-06	1.51E-06	1.42E-06	0.00E+00	0.00E+00	6.54E-07	1.24E-07	7.84E-07	1.21E-07	1.10E-07	1.79E-06	1.85E-06	6.80E-07	9.26E-07	3.46E-07	1.85E-06	6.80E-07

660	490786.7	3860035	6.68E-03	6.85E-03	6.46E-03	2.31E-06	6.99E-06	4.04E-06	4.14E-06	3.76E-06	1.71E-06	1.62E-06	0.00E+00	0.00E+00	7.44E-07	1.41E-07	8.92E-07	1.38E-07	1.25E-07	2.04E-06	2.11E-06	7.74E-07	1.05E-06	3.93E-07	2.11E-06	7.74E-07
661	490836.7	3860035	7.75E-03	7.94E-03	7.49E-03	2.68E-06	8.10E-06	4.69E-06	4.80E-06	4.35E-06	1.99E-06	1.87E-06	0.00E+00	0.00E+00	8.63E-07	1.63E-07	1.03E-06	1.60E-07	1.45E-07	2.37E-06	2.45E-06	8.97E-07	1.22E-06	4.56E-07	2.45E-06	8.97E-07
662	490086.7	3860085	2.12E-03	2.18E-03	2.05E-03	7.35E-07	2.22E-06	1.29E-06	1.32E-06	1.19E-06	5.44E-07	5.14E-07	0.00E+00	0.00E+00	2.36E-07	4.47E-08	2.83E-07	4.37E-08	3.98E-08	6.48E-07	6.70E-07	2.46E-07	3.35E-07	1.25E-07	6.70E-07	2.46E-07
663	490136.7	3860085	2.20E-03	2.26E-03	2.13E-03	7.63E-07	2.30E-06	1.33E-06	1.37E-06	1.24E-06	5.65E-07	5.33E-07	0.00E+00	0.00E+00	2.45E-07	4.64E-08	2.94E-07	4.54E-08	4.13E-08	6.73E-07	6.96E-07	2.55E-07	3.47E-07	1.30E-07	6.96E-07	2.55E-07
664	490186.7	3860085	2.31E-03	2.36E-03	2.23E-03	7.98E-07	2.41E-06	1.39E-06	1.43E-06	1.30E-06	5.91E-07	5.57E-07	0.00E+00	0.00E+00	2.57E-07	4.85E-08	3.08E-07	4.75E-08	4.32E-08	7.03E-07	7.28E-07	2.67E-07	3.63E-07	1.36E-07	7.28E-07	2.67E-07
665	490236.7	3860085	2.41E-03	2.47E-03	2.33E-03	8.34E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.17E-07	5.82E-07	0.00E+00	0.00E+00	2.68E-07	5.07E-08	3.22E-07	4.96E-08	4.51E-08	7.35E-07	7.60E-07	2.79E-07	3.79E-07	1.42E-07	7.60E-07	2.79E-07
666	490286.7	3860085	2.52E-03	2.58E-03	2.44E-03	8.73E-07	2.64E-06	1.53E-06	1.56E-06	1.42E-06	6.47E-07	6.10E-07	0.00E+00	0.00E+00	2.81E-07	5.31E-08	3.37E-07	5.19E-08	4.72E-08	7.70E-07	7.96E-07	2.92E-07	3.97E-07	1.48E-07	7.96E-07	2.92E-07
667	490336.7	3860085	2.64E-03	2.71E-03	2.56E-03	9.16E-07	2.76E-06	1.60E-06	1.64E-06	1.49E-06	6.78E-07	6.39E-07	0.00E+00	0.00E+00	2.94E-07	5.56E-08	3.53E-07	5.44E-08	4.95E-08	8.07E-07	8.35E-07	3.06E-07	4.17E-07	1.56E-07	8.35E-07	3.06E-07
668	490386.7	3860085	2.78E-03	2.85E-03	2.69E-03	9.63E-07	2.91E-06	1.68E-06	1.72E-06	1.56E-06	7.13E-07	6.73E-07	0.00E+00	0.00E+00	3.10E-07	5.85E-08	3.71E-07	5.73E-08	5.21E-08	8.49E-07	8.78E-07	3.22E-07	4.38E-07	1.64E-07	8.78E-07	3.22E-07
669	490436.7	3860085	2.93E-03	3.01E-03	2.83E-03	1.02E-06	3.07E-06	1.78E-06	1.82E-06	1.65E-06	7.52E-07	7.09E-07	0.00E+00	0.00E+00	3.27E-07	6.17E-08	3.92E-07	6.04E-08	5.49E-08	8.95E-07	9.26E-07	3.40E-07	4.62E-07	1.73E-07	9.26E-07	3.40E-07
670	490486.7	3860085	3.10E-03	3.18E-03	3.00E-03	1.07E-06	3.24E-06	1.88E-06	1.92E-06	1.74E-06	7.96E-07	7.50E-07	0.00E+00	0.00E+00	3.45E-07	6.53E-08	4.14E-07	6.39E-08	5.81E-08	9.47E-07	9.80E-07	3.59E-07	4.89E-07	1.83E-07	9.80E-07	3.59E-07
671	490536.7	3860085	3.31E-03	3.39E-03	3.20E-03	1.15E-06	3.46E-06	2.00E-06	2.05E-06	1.86E-06	8.48E-07	8.00E-07	0.00E+00	0.00E+00	3.68E-07	6.96E-08	4.42E-07	6.81E-08	6.20E-08	1.01E-06	1.04E-06	3.83E-07	5.21E-07	1.95E-07	1.04E-06	3.83E-07
672	490586.7	3860085	3.55E-03	3.63E-03	3.42E-03	1.23E-06	3.71E-06	2.14E-06	2.20E-06	1.99E-06	9.09E-07	8.57E-07	0.00E+00	0.00E+00	3.95E-07	7.46E-08	4.73E-07	7.30E-08	6.64E-08	1.08E-06	1.12E-06	4.10E-07	5.58E-07	2.09E-07	1.12E-06	4.10E-07
673	490636.7	3860085	3.81E-03	3.91E-03	3.68E-03	1.32E-06	3.99E-06	2.31E-06	2.36E-06	2.14E-06	9.78E-07	9.22E-07	0.00E+00	0.00E+00	4.25E-07	8.02E-08	5.09E-07	7.85E-08	7.14E-08	1.16E-06	1.20E-06	4.41E-07	6.01E-07	2.25E-07	1.20E-06	4.41E-07
674	490686.7	3860085	4.14E-03	4.24E-03	4.00E-03	1.43E-06	4.33E-06	2.51E-06	2.57E-06	2.33E-06	1.06E-06	1.00E-06	0.00E+00	0.00E+00	4.61E-07	8.72E-08	5.53E-07	8.53E-08	7.76E-08	1.26E-06	1.31E-06	4.80E-07	6.53E-07	2.44E-07	1.31E-06	4.80E-07
675	490736.7	3860085	4.55E-03	4.66E-03	4.40E-03	1.58E-06	4.76E-06	2.75E-06	2.82E-06	2.56E-06	1.17E-06	1.10E-06	0.00E+00	0.00E+00	5.07E-07	9.57E-08	6.08E-07	9.37E-08	8.52E-08	1.39E-06	1.44E-06	5.27E-07	7.17E-07	2.68E-07	1.44E-06	5.27E-07
676	490786.7	3860085	5.05E-03	5.17E-03	4.88E-03	1.75E-06	5.28E-06	3.06E-06	3.13E-06	2.84E-06	1.29E-06	1.22E-06	0.00E+00	0.00E+00	5.62E-07	1.06E-07	6.74E-07	1.04E-07	9.46E-08	1.54E-06	1.59E-06	5.85E-07	7.96E-07	2.97E-07	1.59E-06	5.85E-07
677	490836.7	3860085	5.65E-03	5.78E-03	5.46E-03	1.96E-06	5.90E-06	3.42E-06	3.50E-06	3.17E-06	1.45E-06	1.37E-06	0.00E+00	0.00E+00	6.29E-07	1.19E-07	7.54E-07	1.16E-07	1.06E-07	1.72E-06	1.78E-06	6.54E-07	8.90E-07	3.32E-07	1.78E-06	6.54E-07
678	490086.7	3860135	1.93E-03	1.98E-03	1.87E-03	6.70E-07	2.02E-06	1.17E-06	1.20E-06	1.09E-06	4.96E-07	4.68E-07	0.00E+00	0.00E+00	2.15E-07	4.07E-08	2.58E-07	3.98E-08	3.62E-08	5.90E-07	6.11E-07	2.24E-07	3.05E-07	1.14E-07	6.11E-07	2.24E-07
679	490136.7	3860135	2.01E-03	2.06E-03	1.94E-03	6.95E-07	2.10E-06	1.22E-06	1.24E-06	1.13E-06	5.15E-07	4.86E-07	0.00E+00	0.00E+00	2.24E-07	4.23E-08	2.68E-07	4.13E-08	3.76E-08	6.13E-07	6.34E-07	2.33E-07	3.16E-07	1.18E-07	6.34E-07	2.33E-07
680	490186.7	3860135	2.09E-03	2.14E-03	2.02E-03	7.24E-07	2.19E-06	1.27E-06	1.30E-06	1.17E-06	5.36E-07	5.06E-07	0.00E+00	0.00E+00	2.33E-07	4.40E-08	2.79E-07	4.30E-08	3.92E-08	6.38E-07	6.60E-07	2.42E-07	3.29E-07	1.23E-07	6.60E-07	2.42E-07
681	490236.7	3860135	2.18E-03	2.23E-03	2.10E-03	7.53E-07	2.27E-06	1.32E-06	1.35E-06	1.22E-06	5.58E-07	5.26E-07	0.00E+00	0.00E+00	2.42E-07	4.58E-08	2.90E-07	4.48E-08	4.07E-08	6.64E-07	6.87E-07	2.52E-07	3.43E-07	1.28E-07	6.87E-07	2.52E-07
682	490286.7	3860135	2.27E-03	2.32E-03	2.19E-03	7.85E-07	2.37E-06	1.37E-06	1.41E-06	1.27E-06	5.81E-07	5.48E-07	0.00E+00	0.00E+00	2.53E-07	4.77E-08	3.03E-07	4.67E-08	4.25E-08	6.92E-07	7.16E-07	2.63E-07	3.57E-07	1.34E-07	7.16E-07	2.63E-07
683	490336.7	3860135	2.37E-03	2.42E-03	2.29E-03	8.19E-07	2.47E-06	1.43E-06	1.47E-06	1.33E-06	6.07E-07	5.72E-07	0.00E+00	0.00E+00	2.64E-07	4.98E-08	3.16E-07	4.87E-08	4.43E-08	7.22E-07	7.47E-07	2.74E-07	3.73E-07	1.39E-07	7.47E-07	2.74E-07
684	490386.7	3860135	2.48E-03	2.53E-03	2.39E-03	8.57E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.34E-07	5.98E-07	0.00E+00	0.00E+00	2.76E-07	5.21E-08	3.30E-07	5.09E-08	4.63E-08	7.55E-07	7.81E-07	2.87E-07	3.90E-07	1.46E-07	7.81E-07	2.87E-07
685	490436.7	3860135	2.59E-03	2.65E-03	2.50E-03	8.97E-07	2.71E-06	1.57E-06	1.61E-06	1.46E-06	6.64E-07	6.27E-07	0.00E+00	0.00E+00	2.88E-07	5.45E-08	3.46E-07	5.33E-08	4.85E-08	7.91E-07	8.18E-07	3.00E-07	4.08E-07	1.53E-07	8.18E-07	3.00E-07
686	490486.7	3860135	2.72E-03	2.79E-03	2.63E-03	9.43E-07	2.85E-06	1.65E-06	1.69E-06	1.53E-06	6.98E-07	6.59E-07	0.00E+00	0.00E+00	3.03E-07	5.73E-08	3.64E-07	5.61E-08	5.10E-08	8.31E-07	8.60E-07	3.15E-07	4.29E-07	1.60E-07	8.60E-07	3.15E-07
687	490536.7	3860135	2.88E-03	2.95E-03	2.78E-03	9.97E-07	3.01E-06	1.74E-06	1.78E-06	1.62E-06	7.38E-07	6.96E-07	0.00E+00	0.00E+00	3.21E-07	6.06E-08	3.84E-07	5.93E-08	5.39E-08	8.79E-07	9.09E-07	3.33E-07	4.54E-07	1.70E-07	9.09E-07	3.33E-07
688	490586.7	3860135	3.05E-03	3.13E-03	2.95E-03	1.06E-06	3.19E-06	1.85E-06	1.89E-06	1.71E-06	7.82E-07	7.38E-07	0.00E+00	0.00E+00	3.40E-07	6.42E-08	4.07E-07	6.28E-08	5.71E-08	9.31E-07	9.63E-07	3.53E-07	4.81E-07	1.80E-07	9.63E-07	3.53E-07
689	490636.7	3860135	3.25E-03	3.33E-03	3.14E-03	1.12E-06	3.40E-06	1.97E-06	2.01E-06	1.83E-06	8.33E-07	7.86E-07	0.00E+00	0.00E+00	3.62E-07	6.84E-08	4.34E-07	6.69E-08	6.08E-08	9.92E-07	1.03E-06	3.76E-07	5.12E-07	1.91E-07	1.03E-06	3.76E-07
690	490686.7	3860135	3.48E-03	3.56E-03	3.36E-03	1.20E-06	3.64E-06	2.10E-06	2.16E-06	1.95E-06	8.92E-07	8.41E-07	0.00E+00	0.00E+00	3.87E-07	7.32E-08	4.64E-07	7.16E-08	6.51E-08	1.06E-06	1.10E-06	4.03E-07	5.48E-07	2.05E-07	1.10E-06	4.03E-07
691	490736.7	3860135	3.75E-03	3.84E-03	3.62E-03	1.30E-06	3.92E-06	2.27E-06	2.33E-06	2.11E-06	9.62E-07	9.07E-07	0.00E+00	0.00E+00	4.18E-07	7.89E-08	5.01E-07	7.72E-08	7.02E-08	1.14E-06	1.18E-06	4.34E-07	5.91E-07	2.21E-07	1.18E-06	4.34E-07
692	490786.7	3860135	4.09E-03	4.19E-03	3.95E-03	1.42E-06	4.28E-06	2.48E-06	2.54E-06	2.30E-06	1.05E-06	9.89E-07	0.00E+00	0.00E+00	4.55E-07	8.61E-08	5.46E-07	8.42E-08	7.66E-08	1.25E-06	1.29E-06	4.74E-07	6.44E-07	2.41E-07	1.29E-06	4.74E-07
693	490836.7	3860135	4.48E-03	4.59E-03	4.33E-03	1.55E-06	4.68E-06	2.71E-06	2.78E-06	2.52E-06	1.15E-06	1.08E-06	0.00E+00	0.00E+00	4.99E-07	9.43E-08	5.98E-07	9.23E-08	8.39E-08	1.37E-06	1.41E-06	5.19E-07	7.06E-07	2.64E-07	1.41E-06	5.19E-07
694	490086.7	3860185	1.78E-03	1.83E-03	1.72E-03	6.18E-07	1.86E-06	1.08E-06	1.11E-06	1.00E-06	4.57E-07	4.31E-07	0.00E+00	0.00E+00	1.99E-07	3.75E-08	2.38E-07	3.67E-08	3.34E-08	5.44E-07	5.63E-07	2.07E-07	2.81E-07	1.05E-07	5.63E-07	2.07E-07
695	490136.7	3860185	1.85E-03	1.89E-03	1.79E-03	6.40E-07	1.93E-06	1.12E-06	1.15E-06	1.04E-06	4.74E-07	4.47E-07	0.00E+00	0.00E+00	2.06E-07	3.89E-08	2.47E-07	3.81E-08	3.46E-08	5.64E-07	5.84E-07	2.14E-07	2.91E-07	1.09E-07	5.84E-07	2.14E-07
696	490186.7	3860185	1.92E-03	1.96E-03	1.85E-03	6.64E-07	2.00E-06	1.16E-06	1.19E-06	1.08E-06	4.91E-07	4.64E-07	0.00E+00	0.00E+00	2.13E-07	4.03E-08	2.56E-07	3.95E-08	3.59E-08	5.85E-07	6.05E-07	2.22E-07	3.02E-07	1.13E-07	6.05E-07	2.22E-07
697	490236.7	3860185	1.99E-03	2.04E-03	1.92E-03	6.88E-07	2.08E-06	1.20E-06	1.23E-06	1.12E-06	5.10E-07	4.81E-07	0.00E+00	0.00E+00	2.21E-07	4.18E-08	2.65E-07	4.09E-08	3.72E-08	6.07E-07	6.27E-07	2.30E-07	3.13E-07	1.17E-07	6.27E-07	2.30E-07
698	490286.7	3860185	2.06E-03	2.11E-03	1.99E-03	7.15E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	4.99E-07	0.00E+00	0.00E+00	2.30E-07	4.34E-08	2.76E-07	4.25E-08	3.87E-08	6.30E-07	6.52E-07	2.39E-07	3.25E-07	1.22E-07	6.52E-07	2.39E-07
699	490336.7	3860185	2.15E-03	2.20E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.19E-07	0.00E+00	0.00E+00	2.39E-07	4.51E-08	2.86E-07	4.42E-08	4.02E-08	6.55E-07	6.77E-07	2.48E-07	3.38E-07	1.26E-07	6.77E-07	2.48E-07
700	490386.7	3860185	2.23E-03	2.29E-03	2.16E-03	7.73E-07	2.34E-06	1.35E-06	1.38E-06	1.26E-06	5.73E-07	5.40E-07	0.00E+00	0.00E+00	2.49E-07	4.70E-08	2.98E-07	4.60E-08	4.18E-08	6.82E-07	7.05E-07	2.59E-07	3.52E-07	1.32E-07	7.05E-07	2.59E-07
701	490436.7	3860185	2.33E-03	2.39E-03	2.25E-03	8.07E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.98E-07	5.64E-07	0.00E+00	0.00E+00	2.60E-07	4.91E-08	3.11E-07	4.80E-08	4.37E-08	7.12E-07	7.36E-07	2.70E-07	3.67E-07	1.37E-07	7.36E-07	2.70E-07
702	490486.7	3860185	2.44E-03	2.50E-03	2.36E-03	8.44E-07	2.55E-06	1.48E-06	1.51E-06	1.37E-06	6.25E-07	5.90E-07	0.00E+00	0.00E+00	2.71E-07	5.13E-08	3.25E-07	5.02E-08	4.56E-08	7.44E-07	7.70E-07	2.82E-07	3.84E-07	1.44E-07	7.70E-07	2.82E-07
703	490536.7	3860185	2.56E-03	2.62E-03	2.47E-03	8.86E-07	2.67E-06	1.55E-06	1.59E-06	1.44E-06	6.56E-07	6.19E-07	0.00E+00	0.00E+00	2.85E-07	5.38E-08	3.42E-07	5.27E-08	4.79E-08	7.81E-07	8.08E-07	2.96E-07	4.03E-07	1.51E-07	8.08E-07	2.96E-07
704	490586.7	3860185	2.70E-03	2.76E-03	2.61E-03	9.33E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.91E-07	6.52E-07	0.00E+00	0.00E+00	3.00E-07	5.67E-08	3.60E-07	5.55E-08	5.05E-08	8.23E-07	8.51E-07	3.12E-07	4.25E-07	1.59E-07	8.51E-07	3.12E-07
705	490636.7	3860185	2.85E-03	2.92E-03	2.75E-03	9.86E-07	2.98E-06	1.72E-06	1.77E-06	1.60E-06	7.30E-07	6.89E-07	0.00E+00	0.00E+00	3.17E-07	5.99E-08	3.80E-07	5.86E-08	5.33E-08	8.69E-07	8.99E-07	3.30E-07	4.49E-07	1.68E-07	8.99E-07	3.30E-07
706	490686.7	3860185	3.02E-03	3.10E-03	2.92E-03	1.05E-06	3.16E-06	1.83E-06	1.87E-06	1.70E-06	7.75E-07	7.31E-07	0.00E+00	0.00E+00	3.37E-07	6.36E-08	4.04E-07	6.22E-08	5.66E-08	9.23E-07	9.54E-07	3.50E-07	4.76E-07	1.78E-07	9.54E-07	3.50E-07
707	490736.7	3860185	3.22E-03	3.30E-03	3.11E-03	1.12E-06	3.37E-06	1.95E-06	2.00E-06	1.81E-06	8.26E-07	7.79E-07	0.00E+00	0.00E+00	3.59E-07	6.78E-08	4.30E-07	6.63E-08	6.03E-08	9.83E-07	1.02E-06	3.73E-07	5.08E-07	1.90E-07	1.02E-06	3.73E-07
708	490786.7	3860185	3.46E-03	3.55E-03	3.35E-03	1.20E-06	3.62E-06	2.10E-06	2.15E-06	1.95E-06	8.88E-07	8.38E-07	0.00E+00	0.00E+00	3.86E-07	7.29E-08	4.62E-07	7.13E-08	6.49E-08	1.06E-06	1.09E-06	4.01E-07	5.46E-07	2.04E-07	1.09E-06	4.01E-07
709	490836.7	3860185	3.75E-03	3.84E-03	3.62E-03	1.30E-06	3.92E-06	2.27E-06	2.32E-06	2.11E-06	9.61E-07	9.07E-07	0.00E+00	0.00E+00	4.17E-07	7.89E-08	5.01E-07	7.72E-08	7.02E-08	1.14E-06	1.18E-06	4.34E-07	5.91E-07	2.21E-07	1.18E-06	4.34E-07
710	490086.7	3860235	1.66E-03	1.70E-03	1.60E-03	5.75E-07	1.74E-06	1.00E-06	1.03E-06	9.33E-07	4.26E-07	4.01E-07	0.00E+00	0.00E+00	1.85E-07	3.49E-08	2.22E-07	3.42E-08	3.11E-08	5.07E-07	5.24E-07	1.92E-07	2.62E-07	9.77E-08	5.24E-07	1.92E-07
711	490136.7	3860235	1.71E-03	1.76E-03	1.66E-03	5.94E-07	1.79E-06	1.04E-06	1.06E-06	9.63E-07	4.40E-07	4.15E-07	0.00E+00	0.00E+00	1.91E-07	3.61E-08	2.29E-07	3.53E-08	3.21E-08	5.23E-07	5.41E-07	1.99E-07	2.70E-07	1.01E-07	5.41E-07	1.99E-07
712	490186.7	3860235	1.77E-03	1.82E-03	1.71E-03	6.14E-07	1.85E-06	1.07E-06	1.10E-06	9.96E-07	4.54E-07	4.29E-07	0.00E+00	0.00E+00	1.97E-07	3.73E-08	2.37E-07	3.65E-08	3.32E-08	5.41E-07	5.59E-07	2.05E-07	2.79E-07	1.04E-07	5.59E-07	2.05E-07
713	490236.7	3860235	1.83E-03	1.88E-03	1.77E-03	6.35E-07	1.92E-06	1.11E-06	1.14E-06	1.03E-06	4.70E-07	4.44E-07	0.00E+00	0.00E+00	2.04E-07	3.86E-08	2.45E-07	3.78E-08	3.43E-08	5.60E-07	5.79E-07	2.12E-07	2.89E-07	1.08E-07	5.79E-07	2.12E-07
714	490286.7	3860235	1.90E-03	1.95E-03	1.84E-03	6.58E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.87E-07	4.59E-07	0.00E+00	0.00E+00	2.11E-07	4.00E-08	2.54E-07	3.91E-08	3.56E-08	5.80E-07	5.99E-07	2.20E-07	2.99E-07	1.12E-07	5.99E-07	2.20E-07
715	490336.7	3860235	1.97E-03	2.02E-03	1.90E-03	6.82E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	5.05E-07	4.76E-07	0.00E+00	0.00E+00	2.19E-07	4.14E-08	2.63E-07	4.05E-08	3.69E-08	6.01E-07	6.21E-07	2.28E-07	3.10E-07	1.16E-07	6.21E-07	2.28E-07
716	490386.7	3860235	2.04E-03	2.09E-03	1.97E-03	7.08E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.24E-07	4.94E-07	0.00E+00	0.00E+00	2.28E-07	4.30E-08	2.73E-07	4.21E-08	3.83E-08	6.24E-07	6.45E-07	2.37E-07	3.22E-07	1.20E-07	6.45E-07	2.37E-07
717	490436.7	3860235	2.13E-03	2.18E-03	2.05E-03	7.36E-07	2.22E-06	1.29E-06	1.32E-06	1.19E-06	5.45E-07	5.14E-07	0.00E+00	0.00E+00	2.37E-07	4.47E-08	2.84E-07	4.38E-08	3.98E-08	6.49E-07	6.71E-07	2.46E-07	3.35E-07	1.25E-07	6.71E-07	2.46E-07
718	490486.7	3860235	2.21E-03	2.27E-03	2.14E-03	7.66E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.35E-07	0.00E+00	0.00E+00	2.46E-07	4.66E-08	2.95E-07	4.56E-08	4.14E-08	6.76E-07	6.99E-07	2.56E-07	3.49E-07	1.30E-07	6.99E-07	2.56E-07
719	490536.7	3860235	2.31E-03	2.37E-03	2.24E-03	8.01E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.93E-07	5.60E-07	0.00E+00	0.00E+00	2.58E-07	4.87E-08	3.09E-07	4.76E-08	4.33E-08	7.06E-07	7.30E-07	2.68E-07	3.65E-07	1.36E-07	7.30E-07	2.68E-07
720	490586.7	3860235	2.42E-03	2.48E-03	2.34E-03	8.39E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.22E-07	5.86E-07	0.00E+00	0.00E+00	2.70E-07	5.10E-08	3.24E-07	4.99E-08	4.54E-08	7.40E-07	7.65E-07	2.81E-07	3.82E-07	1.43E-07	7.65E-07	2.81E-07
721	490636.7	3860235	2.55E-03	2.61E-03	2.46E-03	8.82E-07	2.66E-06	1.54E-06	1.58E-06	1.43E-06	6.53E-07	6.16E-07	0.00E+00	0.00E+00	2.84E-07	5.36E-08	3.40E-07	5.25E-08	4.77E-08	7.78E-07	8.04E-07	2.95E-07	4.02E-07	1.50E-07	8.04E-07	2.95E-07
722	490686.7	3860235	2.69E-03	2.75E-03	2.60E-03	9.31E-07	2.81E-06	1.63E-06	1.67E-06	1.51E-06	6.89E-07	6.50E-07	0.00E+00	0.00E+00	2.99E-07	5.66E-08	3.59E-07	5.54E-08	5.03E-08	8.21E-07	8.49E-07	3.11E-07	4.24E-07	1.58E-07	8.49E-07	3.11E-07
723	490736.7	3860235	2.85E-03	2.92E-03	2.75E-03	9.86E-07	2.98E-06	1.72E-06	1.76E-06	1.60E-06	7.30E-07	6.88E-07	0.00E+00	0.00E+00	3.17E-07	5.99E-08	3.80E-07	5.86E-08	5.33E-08	8.69E-07	8.99E-07	3.30E-07	4.48E-07	1.68E-07	8.99E-07	3.30E-07
724	490786.7	3860235	3.03E-03	3.10E-03	2.93E-03	1.05E-06	3.17E-06	1.83E-06	1.88E-06	1.70E-06	7.77E-07	7.33E-07	0.00E+00	0.00E+00	3.37E-07	6.38E-08	4.05E-07	6.24E-08	5.68E-08	9.25E-07	9.57E-07	3.51E-07	4.78E-07	1.78E-07	9.57E-07	3.51E-07
725	490086.7	3860285	1.56E-03	1.59E-03	1.50E-03	5.38E-07	1.63E-06	9.41E-07	9.64E-07	8.74E-07	3.99E-07	3.76E-07	0.00E+00	0.00E+00	1.73E-07	3.27E-08	2.08E-07	3.20E-08	2.91E-08	4.75E-07	4.91E-07	1.80E-07	2.45E-07	9.16E-08	4.91E-07	1.80E-07
726	490136.7	3860285	1.60E-03	1.64E-03	1.55E-03	5.55E-07	1.68E-06	9.70E-07	9.93E-07	9.00E-07	4.11E-07	3.88E-07	0.00E+00	0.00E+00	1.78E-07	3.37E-08	2.14E-07	3.30E-08	3.00E-08	4.89E-07	5.06E-07	1.86E-07	2.52E-07	9.44E-08	5.06E-07	1.86E-07
727	490186.7	3860285	1.65E-03	1.69E-03	1.60E-03	5.72E-07	1.73E-06	9.99E-07	1.02E-06	9.28E-07	4.23E-07	3.99E-07	0.00E+00	0.00E+00	1.84E-07	3.47E-08	2.20E-07	3.40E-08	3.09E-08	5.04E-07	5.21E-07	1.91E-07	2.60E-07	9.72E-08	5.21E-07	1.91E-07
728	490236.7	3860285	1.71E-03	1.75E-03	1.65E-03	5.91E-07	1.78E-06	1.03E-06	1.06E-06	9.58E-07	4.37E-07	4.13E-07	0.00E+00	0.00E+00	1.90E-07	3.59E-08	2.28E-07	3.51E-08	3.19E-08	5.21E-07	5.38E-07	1.97E-07	2.69E-07	1.00E-07	5.38E-07	1.97E-07
729	490286.7	3860285	1.76E-03	1.80E-03	1.70E-03	6.09E-07	1.84E-06	1.07E-06	1.09E-06	9.89E-07	4.51E-07	4.26E-07	0.00E+00	0.00E+00	1.96E-07	3.70E-08	2.35E-07	3.62E-08	3.30E-08	5.37E-07	5.56E-07	2.04E-07	2.77E-07	1.04E-07	5.56E-07	2.04E-07
730	490336.7	3860285	1.82E-03	1.87E-03	1.76E-03	6.30E-07	1.90E-06	1.10E-06	1.13E-06	1.02E-06	4.67E-07	4.40E-07	0.00E+00	0.00E+00	2.03E-07	3.83E-08	2.43E-07	3.75E-08	3.41E-08	5.56E-07	5.75E-07	2.11E-07	2.87E-07	1.07E-07	5.75E-07	2.11E-07
731	490386.7	3860285	1.89E-03	1.93E-03	1.82E-03	6.53E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.84E-07	4.56E-07	0.00E+00	0.00E+00	2.10E-07	3.97E-08	2.52E-07	3.89E-08	3.53E-08	5.76E-07	5.96E-07	2.19E-07	2.97E-07	1.11E-07	5.96E-07	2.19E-07
732	490436.7	3860285	1.96E-03	2.00E-03	1.89E-03	6.77E-07	2.05E-06	1.18E-06	1.21E-06	1.10E-06	5.02E-07	4.73E-07	0.00E+00	0.00E+00	2.18E-07	4.12E-08	2.61E-07	4.03E-08	3.66E-08	5.97E-07	6.18E-07	2.27E-07	3.08E-07	1.15E-07	6.18E-07	2.27E-07
733	490486.7	3860285	2.03E-03	2.08E-03	1.96E-03	7.04E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.21E-07	4.92E-07	0.00E+00	0.00E+00	2.26E-07	4.28E-08	2.71E-07	4.19E-08	3.81E-08	6.21E-07	6.42E-07	2.35E-07	3.20E-07	1.20E-07	6.42E-07	2.35E-07

734	490536.7	3860285	2.12E-03	2.17E-03	2.04E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.43E-07	5.12E-07	0.00E+00	0.00E+00	2.36E-07	4.45E-08	2.82E-07	4.36E-08	3.96E-08	6.46E-07	6.68E-07	2.45E-07	3.33E-07	1.25E-07	6.68E-07	2.45E-07
735	490586.7	3860285	2.21E-03	2.26E-03	2.13E-03	7.64E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.66E-07	5.34E-07	0.00E+00	0.00E+00	2.46E-07	4.64E-08	2.95E-07	4.54E-08	4.13E-08	6.74E-07	6.97E-07	2.56E-07	3.48E-07	1.30E-07	6.97E-07	2.56E-07
736	490636.7	3860285	2.31E-03	2.37E-03	2.23E-03	8.00E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.92E-07	5.59E-07	0.00E+00	0.00E+00	2.57E-07	4.86E-08	3.08E-07	4.76E-08	4.33E-08	7.05E-07	7.29E-07	2.68E-07	3.64E-07	1.36E-07	7.29E-07	2.68E-07
737	490686.7	3860285	2.43E-03	2.49E-03	2.35E-03	8.41E-07	2.54E-06	1.47E-06	1.51E-06	1.36E-06	6.23E-07	5.87E-07	0.00E+00	0.00E+00	2.70E-07	5.11E-08	3.24E-07	5.00E-08	4.55E-08	7.41E-07	7.67E-07	2.81E-07	3.83E-07	1.43E-07	7.67E-07	2.81E-07
738	490736.7	3860285	2.56E-03	2.62E-03	2.47E-03	8.86E-07	2.67E-06	1.55E-06	1.59E-06	1.44E-06	6.56E-07	6.19E-07	0.00E+00	0.00E+00	2.85E-07	5.38E-08	3.42E-07	5.27E-08	4.79E-08	7.81E-07	8.08E-07	2.96E-07	4.03E-07	1.51E-07	8.08E-07	2.96E-07
739	490786.7	3860285	2.71E-03	2.78E-03	2.62E-03	9.38E-07	2.83E-06	1.64E-06	1.68E-06	1.52E-06	6.95E-07	6.55E-07	0.00E+00	0.00E+00	3.02E-07	5.70E-08	3.62E-07	5.58E-08	5.07E-08	8.27E-07	8.55E-07	3.14E-07	4.27E-07	1.60E-07	8.55E-07	3.14E-07
740	490086.7	3860335	1.47E-03	1.50E-03	1.42E-03	5.08E-07	1.53E-06	8.88E-07	9.09E-07	8.24E-07	3.76E-07	3.55E-07	0.00E+00	0.00E+00	1.63E-07	3.09E-08	1.96E-07	3.02E-08	2.75E-08	4.48E-07	4.63E-07	1.70E-07	2.31E-07	8.64E-08	4.63E-07	1.70E-07
741	490136.7	3860335	1.51E-03	1.54E-03	1.46E-03	5.22E-07	1.58E-06	9.13E-07	9.35E-07	8.47E-07	3.87E-07	3.65E-07	0.00E+00	0.00E+00	1.68E-07	3.17E-08	2.01E-07	3.10E-08	2.82E-08	4.60E-07	4.76E-07	1.75E-07	2.38E-07	8.88E-08	4.76E-07	1.75E-07
742	490186.7	3860335	1.55E-03	1.59E-03	1.50E-03	5.37E-07	1.62E-06	9.39E-07	9.61E-07	8.71E-07	3.98E-07	3.75E-07	0.00E+00	0.00E+00	1.73E-07	3.26E-08	2.07E-07	3.19E-08	2.90E-08	4.73E-07	4.90E-07	1.80E-07	2.44E-07	9.13E-08	4.90E-07	1.80E-07
743	490236.7	3860335	1.60E-03	1.64E-03	1.54E-03	5.53E-07	1.67E-06	9.66E-07	9.90E-07	8.97E-07	4.09E-07	3.86E-07	0.00E+00	0.00E+00	1.78E-07	3.36E-08	2.13E-07	3.29E-08	2.99E-08	4.87E-07	5.04E-07	1.85E-07	2.52E-07	9.40E-08	5.04E-07	1.85E-07
744	490286.7	3860335	1.65E-03	1.69E-03	1.59E-03	5.70E-07	1.72E-06	9.96E-07	1.02E-06	9.24E-07	4.22E-07	3.98E-07	0.00E+00	0.00E+00	1.83E-07	3.46E-08	2.20E-07	3.39E-08	3.08E-08	5.02E-07	5.19E-07	1.90E-07	2.59E-07	9.69E-08	5.19E-07	1.90E-07
745	490336.7	3860335	1.70E-03	1.74E-03	1.64E-03	5.88E-07	1.78E-06	1.03E-06	1.05E-06	9.54E-07	4.35E-07	4.11E-07	0.00E+00	0.00E+00	1.89E-07	3.57E-08	2.27E-07	3.50E-08	3.18E-08	5.18E-07	5.36E-07	1.97E-07	2.68E-07	1.00E-07	5.36E-07	1.97E-07
746	490386.7	3860335	1.75E-03	1.80E-03	1.70E-03	6.07E-07	1.83E-06	1.06E-06	1.09E-06	9.86E-07	4.50E-07	4.24E-07	0.00E+00	0.00E+00	1.95E-07	3.69E-08	2.34E-07	3.61E-08	3.29E-08	5.35E-07	5.54E-07	2.03E-07	2.76E-07	1.03E-07	5.54E-07	2.03E-07
747	490436.7	3860335	1.82E-03	1.86E-03	1.75E-03	6.28E-07	1.90E-06	1.10E-06	1.13E-06	1.02E-06	4.65E-07	4.39E-07	0.00E+00	0.00E+00	2.02E-07	3.82E-08	2.42E-07	3.74E-08	3.40E-08	5.54E-07	5.73E-07	2.10E-07	2.86E-07	1.07E-07	5.73E-07	2.10E-07
748	490486.7	3860335	1.88E-03	1.93E-03	1.82E-03	6.51E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.82E-07	4.55E-07	0.00E+00	0.00E+00	2.09E-07	3.96E-08	2.51E-07	3.87E-08	3.52E-08	5.74E-07	5.94E-07	2.18E-07	2.96E-07	1.11E-07	5.94E-07	2.18E-07
749	490536.7	3860335	1.95E-03	2.00E-03	1.89E-03	6.76E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.01E-07	4.72E-07	0.00E+00	0.00E+00	2.18E-07	4.11E-08	2.61E-07	4.02E-08	3.66E-08	5.96E-07	6.17E-07	2.26E-07	3.08E-07	1.15E-07	6.17E-07	2.26E-07
750	490586.7	3860335	2.03E-03	2.08E-03	1.96E-03	7.04E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.21E-07	4.92E-07	0.00E+00	0.00E+00	2.26E-07	4.28E-08	2.71E-07	4.19E-08	3.81E-08	6.21E-07	6.42E-07	2.35E-07	3.20E-07	1.20E-07	6.42E-07	2.35E-07
751	490636.7	3860335	2.12E-03	2.17E-03	2.05E-03	7.34E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.44E-07	5.13E-07	0.00E+00	0.00E+00	2.36E-07	4.46E-08	2.83E-07	4.37E-08	3.97E-08	6.47E-07	6.69E-07	2.46E-07	3.34E-07	1.25E-07	6.69E-07	2.46E-07
752	490686.7	3860335	2.22E-03	2.27E-03	2.14E-03	7.68E-07	2.32E-06	1.34E-06	1.38E-06	1.25E-06	5.69E-07	5.37E-07	0.00E+00	0.00E+00	2.47E-07	4.67E-08	2.96E-07	4.57E-08	4.16E-08	6.77E-07	7.01E-07	2.57E-07	3.50E-07	1.31E-07	7.01E-07	2.57E-07
753	490736.7	3860335	2.33E-03	2.39E-03	2.25E-03	8.07E-07	2.44E-06	1.41E-06	1.44E-06	1.31E-06	5.97E-07	5.63E-07	0.00E+00	0.00E+00	2.59E-07	4.90E-08	3.11E-07	4.80E-08	4.36E-08	7.11E-07	7.36E-07	2.70E-07	3.67E-07	1.37E-07	7.36E-07	2.70E-07
754	490786.7	3860335	2.46E-03	2.52E-03	2.37E-03	8.51E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.30E-07	5.94E-07	0.00E+00	0.00E+00	2.74E-07	5.17E-08	3.28E-07	5.06E-08	4.60E-08	7.50E-07	7.76E-07	2.84E-07	3.87E-07	1.45E-07	7.76E-07	2.84E-07
755	490086.7	3860385	1.39E-03	1.43E-03	1.35E-03	4.82E-07	1.46E-06	8.43E-07	8.63E-07	7.83E-07	3.57E-07	3.37E-07	0.00E+00	0.00E+00	1.55E-07	2.93E-08	1.86E-07	2.87E-08	2.61E-08	4.25E-07	4.40E-07	1.61E-07	2.19E-07	8.20E-08	4.40E-07	1.61E-07
756	490136.7	3860385	1.43E-03	1.46E-03	1.38E-03	4.95E-07	1.49E-06	8.64E-07	8.85E-07	8.03E-07	3.66E-07	3.45E-07	0.00E+00	0.00E+00	1.59E-07	3.01E-08	1.91E-07	2.94E-08	2.67E-08	4.36E-07	4.51E-07	1.65E-07	2.25E-07	8.41E-08	4.51E-07	1.65E-07
757	490186.7	3860385	1.47E-03	1.50E-03	1.42E-03	5.07E-07	1.53E-06	8.87E-07	9.08E-07	8.23E-07	3.76E-07	3.54E-07	0.00E+00	0.00E+00	1.63E-07	3.08E-08	1.96E-07	3.02E-08	2.74E-08	4.47E-07	4.63E-07	1.70E-07	2.31E-07	8.63E-08	4.63E-07	1.70E-07
758	490236.7	3860385	1.51E-03	1.54E-03	1.45E-03	5.21E-07	1.57E-06	9.11E-07	9.33E-07	8.46E-07	3.86E-07	3.64E-07	0.00E+00	0.00E+00	1.68E-07	3.17E-08	2.01E-07	3.10E-08	2.82E-08	4.59E-07	4.75E-07	1.74E-07	2.37E-07	8.86E-08	4.75E-07	1.74E-07
759	490286.7	3860385	1.55E-03	1.59E-03	1.50E-03	5.36E-07	1.62E-06	9.37E-07	9.59E-07	8.70E-07	3.97E-07	3.74E-07	0.00E+00	0.00E+00	1.72E-07	3.26E-08	2.07E-07	3.19E-08	2.90E-08	4.72E-07	4.89E-07	1.79E-07	2.44E-07	9.11E-08	4.89E-07	1.79E-07
760	490336.7	3860385	1.59E-03	1.63E-03	1.54E-03	5.52E-07	1.67E-06	9.64E-07	9.88E-07	8.95E-07	4.09E-07	3.85E-07	0.00E+00	0.00E+00	1.77E-07	3.35E-08	2.13E-07	3.28E-08	2.98E-08	4.86E-07	5.03E-07	1.85E-07	2.51E-07	9.38E-08	5.03E-07	1.85E-07
761	490386.7	3860385	1.64E-03	1.68E-03	1.59E-03	5.69E-07	1.72E-06	9.94E-07	1.02E-06	9.23E-07	4.21E-07	3.97E-07	0.00E+00	0.00E+00	1.83E-07	3.46E-08	2.19E-07	3.38E-08	3.08E-08	5.01E-07	5.18E-07	1.90E-07	2.59E-07	9.67E-08	5.18E-07	1.90E-07
762	490436.7	3860385	1.70E-03	1.74E-03	1.64E-03	5.88E-07	1.77E-06	1.03E-06	1.05E-06	9.53E-07	4.35E-07	4.10E-07	0.00E+00	0.00E+00	1.89E-07	3.57E-08	2.27E-07	3.49E-08	3.18E-08	5.18E-07	5.36E-07	1.96E-07	2.67E-07	9.99E-08	5.36E-07	1.96E-07
763	490486.7	3860385	1.75E-03	1.80E-03	1.70E-03	6.07E-07	1.83E-06	1.06E-06	1.09E-06	9.86E-07	4.50E-07	4.24E-07	0.00E+00	0.00E+00	1.95E-07	3.69E-08	2.34E-07	3.61E-08	3.29E-08	5.35E-07	5.54E-07	2.03E-07	2.76E-07	1.03E-07	5.54E-07	2.03E-07
764	490536.7	3860385	1.82E-03	1.86E-03	1.76E-03	6.29E-07	1.90E-06	1.10E-06	1.13E-06	1.02E-06	4.66E-07	4.40E-07	0.00E+00	0.00E+00	2.02E-07	3.82E-08	2.43E-07	3.74E-08	3.40E-08	5.55E-07	5.74E-07	2.10E-07	2.86E-07	1.07E-07	5.74E-07	2.10E-07
765	490586.7	3860385	1.89E-03	1.93E-03	1.82E-03	6.53E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.84E-07	4.56E-07	0.00E+00	0.00E+00	2.10E-07	3.97E-08	2.52E-07	3.89E-08	3.53E-08	5.76E-07	5.96E-07	2.19E-07	2.97E-07	1.11E-07	5.96E-07	2.19E-07
766	490636.7	3860385	1.96E-03	2.01E-03	1.90E-03	6.79E-07	2.05E-06	1.19E-06	1.22E-06	1.10E-06	5.03E-07	4.75E-07	0.00E+00	0.00E+00	2.19E-07	4.13E-08	2.62E-07	4.04E-08	3.68E-08	5.99E-07	6.20E-07	2.27E-07	3.09E-07	1.16E-07	6.20E-07	2.27E-07
767	490686.7	3860385	2.05E-03	2.10E-03	1.98E-03	7.09E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.25E-07	4.95E-07	0.00E+00	0.00E+00	2.28E-07	4.31E-08	2.73E-07	4.22E-08	3.84E-08	6.25E-07	6.47E-07	2.37E-07	3.23E-07	1.21E-07	6.47E-07	2.37E-07
768	490736.7	3860385	2.14E-03	2.19E-03	2.07E-03	7.41E-07	2.24E-06	1.30E-06	1.33E-06	1.20E-06	5.49E-07	5.18E-07	0.00E+00	0.00E+00	2.38E-07	4.50E-08	2.86E-07	4.41E-08	4.01E-08	6.53E-07	6.76E-07	2.48E-07	3.37E-07	1.26E-07	6.76E-07	2.48E-07
769	490786.7	3860385	2.25E-03	2.30E-03	2.17E-03	7.78E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.76E-07	5.43E-07	0.00E+00	0.00E+00	2.50E-07	4.73E-08	3.00E-07	4.63E-08	4.21E-08	6.86E-07	7.09E-07	2.60E-07	3.54E-07	1.32E-07	7.09E-07	2.60E-07
770	490136.7	3860435	1.36E-03	1.39E-03	1.31E-03	4.71E-07	1.42E-06	8.23E-07	8.43E-07	7.64E-07	3.49E-07	3.29E-07	0.00E+00	0.00E+00	1.51E-07	2.86E-08	1.82E-07	2.80E-08	2.55E-08	4.15E-07	4.29E-07	1.58E-07	2.14E-07	8.01E-08	4.29E-07	1.58E-07
771	490186.7	3860435	1.39E-03	1.43E-03	1.35E-03	4.83E-07	1.46E-06	8.44E-07	8.64E-07	7.84E-07	3.58E-07	3.37E-07	0.00E+00	0.00E+00	1.55E-07	2.93E-08	1.86E-07	2.87E-08	2.61E-08	4.26E-07	4.40E-07	1.61E-07	2.20E-07	8.21E-08	4.40E-07	1.61E-07
772	490236.7	3860435	1.43E-03	1.46E-03	1.38E-03	4.95E-07	1.49E-06	8.64E-07	8.85E-07	8.03E-07	3.66E-07	3.45E-07	0.00E+00	0.00E+00	1.59E-07	3.01E-08	1.91E-07	2.94E-08	2.67E-08	4.36E-07	4.51E-07	1.65E-07	2.25E-07	8.41E-08	4.51E-07	1.65E-07
773	490286.7	3860435	1.47E-03	1.50E-03	1.42E-03	5.07E-07	1.53E-06	8.87E-07	9.08E-07	8.23E-07	3.76E-07	3.54E-07	0.00E+00	0.00E+00	1.63E-07	3.08E-08	1.96E-07	3.02E-08	2.74E-08	4.47E-07	4.63E-07	1.70E-07	2.31E-07	8.63E-08	4.63E-07	1.70E-07
774	490336.7	3860435	1.51E-03	1.54E-03	1.45E-03	5.21E-07	1.57E-06	9.11E-07	9.33E-07	8.46E-07	3.86E-07	3.64E-07	0.00E+00	0.00E+00	1.68E-07	3.17E-08	2.01E-07	3.10E-08	2.82E-08	4.59E-07	4.75E-07	1.74E-07	2.37E-07	8.86E-08	4.75E-07	1.74E-07
775	490386.7	3860435	1.55E-03	1.59E-03	1.50E-03	5.36E-07	1.62E-06	9.38E-07	9.60E-07	8.71E-07	3.97E-07	3.75E-07	0.00E+00	0.00E+00	1.73E-07	3.26E-08	2.07E-07	3.19E-08	2.90E-08	4.73E-07	4.89E-07	1.79E-07	2.44E-07	9.12E-08	4.89E-07	1.79E-07
776	490436.7	3860435	1.60E-03	1.63E-03	1.54E-03	5.52E-07	1.67E-06	9.65E-07	9.89E-07	8.96E-07	4.09E-07	3.86E-07	0.00E+00	0.00E+00	1.78E-07	3.36E-08	2.13E-07	3.28E-08	2.99E-08	4.87E-07	5.04E-07	1.85E-07	2.51E-07	9.39E-08	5.04E-07	1.85E-07
777	490486.7	3860435	1.65E-03	1.69E-03	1.59E-03	5.70E-07	1.72E-06	9.97E-07	1.02E-06	9.25E-07	4.22E-07	3.98E-07	0.00E+00	0.00E+00	1.83E-07	3.46E-08	2.20E-07	3.39E-08	3.08E-08	5.03E-07	5.20E-07	1.91E-07	2.59E-07	9.70E-08	5.20E-07	1.91E-07
778	490536.7	3860435	1.70E-03	1.74E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.56E-07	4.36E-07	4.11E-07	0.00E+00	0.00E+00	1.89E-07	3.58E-08	2.27E-07	3.50E-08	3.19E-08	5.19E-07	5.37E-07	1.97E-07	2.68E-07	1.00E-07	5.37E-07	1.97E-07
779	490586.7	3860435	1.76E-03	1.80E-03	1.70E-03	6.10E-07	1.84E-06	1.07E-06	1.09E-06	9.90E-07	4.52E-07	4.26E-07	0.00E+00	0.00E+00	1.96E-07	3.71E-08	2.35E-07	3.63E-08	3.30E-08	5.38E-07	5.56E-07	2.04E-07	2.78E-07	1.04E-07	5.56E-07	2.04E-07
780	490636.7	3860435	1.83E-03	1.87E-03	1.77E-03	6.33E-07	1.91E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.42E-07	0.00E+00	0.00E+00	2.04E-07	3.85E-08	2.44E-07	3.76E-08	3.42E-08	5.58E-07	5.77E-07	2.12E-07	2.88E-07	1.08E-07	5.77E-07	2.12E-07
781	490686.7	3860435	1.90E-03	1.95E-03	1.84E-03	6.59E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.88E-07	4.60E-07	0.00E+00	0.00E+00	2.12E-07	4.00E-08	2.54E-07	3.92E-08	3.56E-08	5.80E-07	6.00E-07	2.20E-07	3.00E-07	1.12E-07	6.00E-07	2.20E-07
782	490736.7	3860435	1.98E-03	2.03E-03	1.92E-03	6.87E-07	2.07E-06	1.20E-06	1.23E-06	1.11E-06	5.08E-07	4.80E-07	0.00E+00	0.00E+00	2.21E-07	4.17E-08	2.65E-07	4.08E-08	3.71E-08	6.05E-07	6.26E-07	2.30E-07	3.12E-07	1.17E-07	6.26E-07	2.30E-07
783	490786.7	3860435	2.08E-03	2.13E-03	2.00E-03	7.18E-07	2.17E-06	1.26E-06	1.29E-06	1.17E-06	5.32E-07	5.02E-07	0.00E+00	0.00E+00	2.31E-07	4.36E-08	2.77E-07	4.27E-08	3.89E-08	6.33E-07	6.55E-07	2.40E-07	3.27E-07	1.22E-07	6.55E-07	2.40E-07
784	490136.7	3860485	1.31E-03	1.34E-03	1.26E-03	4.52E-07	1.37E-06	7.90E-07	8.09E-07	7.34E-07	3.35E-07	3.16E-07	0.00E+00	0.00E+00	1.45E-07	2.75E-08	1.74E-07	2.69E-08	2.45E-08	3.99E-07	4.12E-07	1.51E-07	2.06E-07	7.69E-08	4.12E-07	1.51E-07
785	490186.7	3860485	1.33E-03	1.37E-03	1.29E-03	4.62E-07	1.39E-06	8.07E-07	8.27E-07	7.50E-07	3.42E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.78E-07	2.75E-08	2.50E-08	4.07E-07	4.21E-07	1.54E-07	2.10E-07	7.85E-08	4.21E-07	1.54E-07
786	490236.7	3860485	1.37E-03	1.40E-03	1.32E-03	4.73E-07	1.43E-06	8.26E-07	8.46E-07	7.67E-07	3.50E-07	3.30E-07	0.00E+00	0.00E+00	1.52E-07	2.87E-08	1.82E-07	2.81E-08	2.56E-08	4.17E-07	4.31E-07	1.58E-07	2.15E-07	8.04E-08	4.31E-07	1.58E-07
787	490286.7	3860485	1.40E-03	1.43E-03	1.35E-03	4.84E-07	1.46E-06	8.46E-07	8.66E-07	7.85E-07	3.58E-07	3.38E-07	0.00E+00	0.00E+00	1.56E-07	2.94E-08	1.87E-07	2.88E-08	2.62E-08	4.26E-07	4.41E-07	1.62E-07	2.20E-07	8.23E-08	4.41E-07	1.62E-07
788	490336.7	3860485	1.43E-03	1.47E-03	1.38E-03	4.96E-07	1.50E-06	8.67E-07	8.88E-07	8.05E-07	3.67E-07	3.47E-07	0.00E+00	0.00E+00	1.60E-07	3.01E-08	1.91E-07	2.95E-08	2.68E-08	4.37E-07	4.52E-07	1.66E-07	2.26E-07	8.44E-08	4.52E-07	1.66E-07
789	490386.7	3860485	1.47E-03	1.51E-03	1.42E-03	5.09E-07	1.54E-06	8.90E-07	9.12E-07	8.27E-07	3.77E-07	3.56E-07	0.00E+00	0.00E+00	1.64E-07	3.10E-08	1.96E-07	3.03E-08	2.75E-08	4.49E-07	4.64E-07	1.70E-07	2.32E-07	8.66E-08	4.64E-07	1.70E-07
790	490436.7	3860485	1.51E-03	1.55E-03	1.46E-03	5.24E-07	1.58E-06	9.15E-07	9.38E-07	8.50E-07	3.88E-07	3.66E-07	0.00E+00	0.00E+00	1.68E-07	3.18E-08	2.02E-07	3.11E-08	2.83E-08	4.62E-07	4.77E-07	1.75E-07	2.38E-07	8.91E-08	4.77E-07	1.75E-07
791	490486.7	3860485	1.56E-03	1.59E-03	1.50E-03	5.39E-07	1.63E-06	9.42E-07	9.65E-07	8.75E-07	3.99E-07	3.76E-07	0.00E+00	0.00E+00	1.73E-07	3.28E-08	2.08E-07	3.20E-08	2.92E-08	4.75E-07	4.91E-07	1.80E-07	2.45E-07	9.17E-08	4.91E-07	1.80E-07
792	490536.7	3860485	1.60E-03	1.64E-03	1.55E-03	5.55E-07	1.68E-06	9.71E-07	9.94E-07	9.01E-07	4.11E-07	3.88E-07	0.00E+00	0.00E+00	1.79E-07	3.37E-08	2.14E-07	3.30E-08	3.00E-08	4.90E-07	5.06E-07	1.86E-07	2.53E-07	9.44E-08	5.06E-07	1.86E-07
793	490586.7	3860485	1.66E-03	1.70E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	1.03E-06	9.30E-07	4.24E-07	4.00E-07	0.00E+00	0.00E+00	1.84E-07	3.48E-08	2.21E-07	3.41E-08	3.10E-08	5.05E-07	5.23E-07	1.92E-07	2.61E-07	9.75E-08	5.23E-07	1.92E-07
794	490636.7	3860485	1.71E-03	1.76E-03	1.66E-03	5.94E-07	1.79E-06	1.04E-06	1.06E-06	9.63E-07	4.40E-07	4.15E-07	0.00E+00	0.00E+00	1.91E-07	3.61E-08	2.29E-07	3.53E-08	3.21E-08	5.23E-07	5.41E-07	1.99E-07	2.70E-07	1.01E-07	5.41E-07	1.99E-07
795	490686.7	3860485	1.78E-03	1.82E-03	1.72E-03	6.15E-07	1.86E-06	1.08E-06	1.10E-06	9.98E-07	4.55E-07	4.30E-07	0.00E+00	0.00E+00	1.98E-07	3.74E-08	2.37E-07	3.66E-08	3.33E-08	5.42E-07	5.61E-07	2.06E-07	2.80E-07	1.05E-07	5.61E-07	2.06E-07
796	490736.7	3860485	1.85E-03	1.89E-03	1.79E-03	6.40E-07	1.93E-06	1.12E-06	1.15E-06	1.04E-06	4.74E-07	4.47E-07	0.00E+00	0.00E+00	2.06E-07	3.89E-08	2.47E-07	3.81E-08	3.46E-08	5.64E-07	5.84E-07	2.14E-07	2.91E-07	1.09E-07	5.84E-07	2.14E-07
797	490786.7	3860485	1.93E-03	1.97E-03	1.86E-03	6.67E-07	2.01E-06	1.17E-06	1.19E-06	1.08E-06	4.94E-07	4.66E-07	0.00E+00	0.00E+00	2.15E-07	4.05E-08	2.57E-07	3.97E-08	3.61E-08	5.88E-07	6.08E-07	2.23E-07	3.04E-07	1.13E-07	6.08E-07	2.23E-07
798	490136.7	3860535	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.79E-07	7.06E-07	3.22E-07	3.04E-07	0.00E+00	0.00E+00	1.40E-07	2.65E-08	1.68E-07	2.59E-08	2.35E-08	3.84E-07	3.97E-07	1.46E-07	1.98E-07	7.40E-08	3.97E-07	1.46E-07
799	490186.7	3860535	1.28E-03	1.32E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.96E-07	7.21E-07	3.29E-07	3.10E-07	0.00E+00	0.00E+00	1.43E-07	2.70E-08	1.71E-07	2.64E-08	2.40E-08	3.92E-07	4.05E-07	1.49E-07	2.02E-07	7.56E-08	4.05E-07	1.49E-07
800	490236.7	3860535	1.31E-03	1.34E-03	1.27E-03	4.54E-07	1.37E-06	7.94E-07	8.13E-07	7.37E-07	3.36E-07	3.17E-07	0.00E+00	0.00E+00	1.46E-07	2.76E-08	1.75E-07	2.70E-08	2.46E-08	4.00E-07	4.14E-07	1.52E-07	2.07E-07	7.72E-08	4.14E-07	1.52E-07
801	490286.7	3860535	1.34E-03	1.37E-03	1.29E-03	4.64E-07	1.40E-06	8.11E-07	8.30E-07	7.53E-07	3.44E-07	3.24E-07	0.00E+00	0.00E+00	1.49E-07	2.82E-08	1.79E-07	2.76E-08	2.51E-08	4.09E-07	4.23E-07	1.55E-07	2.11E-07	7.89E-08	4.23E-07	1.55E-07
802	490336.7	3860535	1.37E-03	1.41E-03	1.33E-03	4.75E-07	1.43E-06	8.30E-07	8.51E-07	7.71E-07	3.52E-07	3.32E-07	0.00E+00	0.00E+00	1.53E-07	2.89E-08	1.83E-07	2.83E-08	2.57E-08	4.19E-07	4.33E-07	1.59E-07	2.16E-07	8.08E-08	4.33E-07	1.59E-07
803	490386.7	3860535	1.41E-03	1.44E-03	1.36E-03	4.87E-07	1.47E-06	8.51E-07	8.72E-07	7.90E-07	3.61E-07	3.40E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.90E-08	2.63E-08	4.29E-07	4.44E-07	1.63E-07	2.22E-07	8.28E-08	4.44E-07	1.63E-07
804	490436.7	3860535	1.44E-03	1.48E-03	1.39E-03	4.99E-07	1.51E-06	8.72E-07	8.94E-07	8.10E-07	3.70E-07	3.49E-07	0.00E+00	0.00E+00	1.61E-07	3.03E-08	1.92E-07	2.97E-08	2.70E-08	4.40E-07	4.55E-07	1.67E-07	2.27E-07	8.49E-08	4.55E-07	1.67E-07
805	490486.7	3860535	1.48E-03	1.52E-03	1.43E-03	5.13E-07	1.55E-06	8.97E-07	9.18E-07	8.32E-07	3.80E-07	3.58E-07	0.00E+00	0.00E+00	1.65E-07	3.12E-08	1.98E-07	3.05E-08	2.77E-08	4.52E-07	4.68E-07	1.72E-07	2.33E-07	8.72E-08	4.68E-07	1.72E-07
806	490536.7	3860535	1.52E-03	1.56E-03	1.47E-03	5.28E-07	1.59E-06	9.22E-07	9.45E-07	8.56E-07	3.91E-07	3.69E-07	0.00E+00	0.00E+00	1.70E-07	3.21E-08	2.03E-07	3.14E-08	2.85E-08	4.65E-07	4.81E-07	1.76E-07	2.40E-07	8.97E-08	4.81E-07	1.76E-07
807	490586.7	3860535	1.57E-03	1.61E-03	1.52E-03	5.43E-07	1.64E-06	9.49E-07	9.72E-07	8.81E-07	4.02E-07	3.79E-07	0.00E+00	0.00E+00	1.75E-07	3.30E-08	2.09E-07	3.23E-08	2.94E-08	4.79E-07	4.95E-07	1.82E-07	2.47E-07	9.24E-08	4.95E-07	1.82E-07

808	490636.7	3860535	1.62E-03	1.66E-03	1.56E-03	5.60E-07	1.69E-06	9.80E-07	1.00E-06	9.10E-07	4.15E-07	3.91E-07	0.00E+00	0.00E+00	1.80E-07	3.41E-08	2.16E-07	3.33E-08	3.03E-08	4.94E-07	5.11E-07	1.87E-07	2.55E-07	9.53E-08	5.11E-07	1.87E-07
809	490686.7	3860535	1.67E-03	1.71E-03	1.62E-03	5.79E-07	1.75E-06	1.01E-06	1.04E-06	9.40E-07	4.29E-07	4.05E-07	0.00E+00	0.00E+00	1.86E-07	3.52E-08	2.23E-07	3.44E-08	3.13E-08	5.11E-07	5.28E-07	1.94E-07	2.64E-07	9.85E-08	5.28E-07	1.94E-07
810	490736.7	3860535	1.73E-03	1.78E-03	1.68E-03	6.00E-07	1.81E-06	1.05E-06	1.07E-06	9.74E-07	4.45E-07	4.19E-07	0.00E+00	0.00E+00	1.93E-07	3.65E-08	2.31E-07	3.57E-08	3.25E-08	5.29E-07	5.47E-07	2.01E-07	2.73E-07	1.02E-07	5.47E-07	2.01E-07
811	490786.7	3860535	1.80E-03	1.85E-03	1.74E-03	6.24E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.62E-07	4.36E-07	0.00E+00	0.00E+00	2.01E-07	3.79E-08	2.41E-07	3.71E-08	3.38E-08	5.50E-07	5.69E-07	2.09E-07	2.84E-07	1.06E-07	5.69E-07	2.09E-07
812	490136.7	3860585	1.21E-03	1.24E-03	1.17E-03	4.20E-07	1.27E-06	7.34E-07	7.52E-07	6.82E-07	3.11E-07	2.93E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.50E-08	2.27E-08	3.70E-07	3.83E-07	1.40E-07	1.91E-07	7.14E-08	3.83E-07	1.40E-07
813	490186.7	3860585	1.24E-03	1.27E-03	1.19E-03	4.28E-07	1.29E-06	7.47E-07	7.66E-07	6.94E-07	3.17E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.60E-08	1.65E-07	2.54E-08	2.31E-08	3.77E-07	3.90E-07	1.43E-07	1.95E-07	7.27E-08	3.90E-07	1.43E-07
814	490236.7	3860585	1.26E-03	1.29E-03	1.22E-03	4.37E-07	1.32E-06	7.64E-07	7.82E-07	7.09E-07	3.23E-07	3.05E-07	0.00E+00	0.00E+00	1.40E-07	2.65E-08	1.68E-07	2.60E-08	2.36E-08	3.85E-07	3.98E-07	1.46E-07	1.99E-07	7.43E-08	3.98E-07	1.46E-07
815	490286.7	3860585	1.29E-03	1.32E-03	1.25E-03	4.47E-07	1.35E-06	7.80E-07	7.99E-07	7.25E-07	3.31E-07	3.12E-07	0.00E+00	0.00E+00	1.44E-07	2.71E-08	1.72E-07	2.66E-08	2.42E-08	3.94E-07	4.07E-07	1.49E-07	2.03E-07	7.59E-08	4.07E-07	1.49E-07
816	490336.7	3860585	1.32E-03	1.35E-03	1.27E-03	4.57E-07	1.38E-06	7.98E-07	8.18E-07	7.41E-07	3.38E-07	3.19E-07	0.00E+00	0.00E+00	1.47E-07	2.78E-08	1.76E-07	2.72E-08	2.47E-08	4.03E-07	4.16E-07	1.53E-07	2.08E-07	7.77E-08	4.16E-07	1.53E-07
817	490386.7	3860585	1.35E-03	1.38E-03	1.30E-03	4.67E-07	1.41E-06	8.16E-07	8.36E-07	7.58E-07	3.46E-07	3.26E-07	0.00E+00	0.00E+00	1.50E-07	2.84E-08	1.80E-07	2.78E-08	2.53E-08	4.12E-07	4.26E-07	1.56E-07	2.13E-07	7.94E-08	4.26E-07	1.56E-07
818	490436.7	3860585	1.38E-03	1.42E-03	1.34E-03	4.79E-07	1.45E-06	8.37E-07	8.57E-07	7.77E-07	3.54E-07	3.34E-07	0.00E+00	0.00E+00	1.54E-07	2.91E-08	1.85E-07	2.85E-08	2.59E-08	4.22E-07	4.36E-07	1.60E-07	2.18E-07	8.14E-08	4.36E-07	1.60E-07
819	490486.7	3860585	1.42E-03	1.45E-03	1.37E-03	4.91E-07	1.48E-06	8.58E-07	8.79E-07	7.97E-07	3.64E-07	3.43E-07	0.00E+00	0.00E+00	1.58E-07	2.98E-08	1.89E-07	2.92E-08	2.66E-08	4.33E-07	4.48E-07	1.64E-07	2.23E-07	8.35E-08	4.48E-07	1.64E-07
820	490536.7	3860585	1.46E-03	1.49E-03	1.41E-03	5.04E-07	1.52E-06	8.81E-07	9.03E-07	8.18E-07	3.73E-07	3.52E-07	0.00E+00	0.00E+00	1.62E-07	3.06E-08	1.94E-07	3.00E-08	2.73E-08	4.44E-07	4.60E-07	1.69E-07	2.29E-07	8.58E-08	4.60E-07	1.69E-07
821	490586.7	3860585	1.50E-03	1.53E-03	1.44E-03	5.18E-07	1.56E-06	9.05E-07	9.27E-07	8.40E-07	3.83E-07	3.61E-07	0.00E+00	0.00E+00	1.66E-07	3.14E-08	2.00E-07	3.08E-08	2.80E-08	4.56E-07	4.72E-07	1.73E-07	2.36E-07	8.80E-08	4.72E-07	1.73E-07
822	490636.7	3860585	1.54E-03	1.58E-03	1.49E-03	5.33E-07	1.61E-06	9.31E-07	9.54E-07	8.65E-07	3.95E-07	3.72E-07	0.00E+00	0.00E+00	1.71E-07	3.24E-08	2.05E-07	3.17E-08	2.88E-08	4.70E-07	4.86E-07	1.78E-07	2.42E-07	9.06E-08	4.86E-07	1.78E-07
823	490686.7	3860585	1.59E-03	1.62E-03	1.53E-03	5.49E-07	1.66E-06	9.60E-07	9.83E-07	8.91E-07	4.07E-07	3.84E-07	0.00E+00	0.00E+00	1.77E-07	3.34E-08	2.12E-07	3.27E-08	2.97E-08	4.84E-07	5.01E-07	1.84E-07	2.50E-07	9.34E-08	5.01E-07	1.84E-07
824	490736.7	3860585	1.64E-03	1.68E-03	1.58E-03	5.68E-07	1.71E-06	9.92E-07	1.02E-06	9.21E-07	4.20E-07	3.96E-07	0.00E+00	0.00E+00	1.83E-07	3.45E-08	2.19E-07	3.38E-08	3.07E-08	5.00E-07	5.18E-07	1.90E-07	2.58E-07	9.65E-08	5.18E-07	1.90E-07
825	490786.7	3860585	1.70E-03	1.74E-03	1.64E-03	5.88E-07	1.78E-06	1.03E-06	1.05E-06	9.54E-07	4.35E-07	4.11E-07	0.00E+00	0.00E+00	1.89E-07	3.57E-08	2.27E-07	3.50E-08	3.18E-08	5.18E-07	5.36E-07	1.97E-07	2.68E-07	1.00E-07	5.36E-07	1.97E-07
826	490136.7	3860635	1.17E-03	1.20E-03	1.13E-03	4.04E-07	1.22E-06	7.06E-07	7.23E-07	6.56E-07	2.99E-07	2.82E-07	0.00E+00	0.00E+00	1.30E-07	2.46E-08	1.56E-07	2.40E-08	2.19E-08	3.56E-07	3.68E-07	1.35E-07	1.84E-07	6.87E-08	3.68E-07	1.35E-07
827	490186.7	3860635	1.19E-03	1.22E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.39E-07	6.70E-07	3.06E-07	2.88E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.59E-07	2.45E-08	2.23E-08	3.64E-07	3.76E-07	1.38E-07	1.88E-07	7.02E-08	3.76E-07	1.38E-07
828	490236.7	3860635	1.22E-03	1.25E-03	1.18E-03	4.21E-07	1.27E-06	7.37E-07	7.55E-07	6.84E-07	3.12E-07	2.94E-07	0.00E+00	0.00E+00	1.36E-07	2.56E-08	1.63E-07	2.51E-08	2.28E-08	3.72E-07	3.84E-07	1.41E-07	1.92E-07	7.17E-08	3.84E-07	1.41E-07
829	490286.7	3860635	1.24E-03	1.27E-03	1.20E-03	4.30E-07	1.30E-06	7.52E-07	7.70E-07	6.98E-07	3.19E-07	3.00E-07	0.00E+00	0.00E+00	1.38E-07	2.61E-08	1.66E-07	2.56E-08	2.33E-08	3.79E-07	3.92E-07	1.44E-07	1.96E-07	7.32E-08	3.92E-07	1.44E-07
830	490336.7	3860635	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.69E-07	7.88E-07	7.14E-07	3.26E-07	3.07E-07	0.00E+00	0.00E+00	1.41E-07	2.67E-08	1.70E-07	2.62E-08	2.38E-08	3.88E-07	4.01E-07	1.47E-07	2.00E-07	7.48E-08	4.01E-07	1.47E-07
831	490386.7	3860635	1.30E-03	1.33E-03	1.25E-03	4.50E-07	1.36E-06	7.86E-07	8.05E-07	7.30E-07	3.33E-07	3.14E-07	0.00E+00	0.00E+00	1.45E-07	2.73E-08	1.73E-07	2.67E-08	2.43E-08	3.96E-07	4.10E-07	1.50E-07	2.05E-07	7.65E-08	4.10E-07	1.50E-07
832	490436.7	3860635	1.33E-03	1.36E-03	1.28E-03	4.60E-07	1.39E-06	8.05E-07	8.24E-07	7.47E-07	3.41E-07	3.22E-07	0.00E+00	0.00E+00	1.48E-07	2.80E-08	1.77E-07	2.74E-08	2.49E-08	4.06E-07	4.20E-07	1.54E-07	2.09E-07	7.83E-08	4.20E-07	1.54E-07
833	490486.7	3860635	1.36E-03	1.40E-03	1.32E-03	4.72E-07	1.42E-06	8.24E-07	8.44E-07	7.65E-07	3.49E-07	3.29E-07	0.00E+00	0.00E+00	1.52E-07	2.87E-08	1.82E-07	2.80E-08	2.55E-08	4.16E-07	4.30E-07	1.58E-07	2.15E-07	8.02E-08	4.30E-07	1.58E-07
834	490536.7	3860635	1.40E-03	1.43E-03	1.35E-03	4.84E-07	1.46E-06	8.46E-07	8.66E-07	7.85E-07	3.58E-07	3.38E-07	0.00E+00	0.00E+00	1.56E-07	2.94E-08	1.87E-07	2.88E-08	2.62E-08	4.26E-07	4.41E-07	1.62E-07	2.20E-07	8.23E-08	4.41E-07	1.62E-07
835	490586.7	3860635	1.43E-03	1.47E-03	1.38E-03	4.96E-07	1.50E-06	8.67E-07	8.88E-07	8.05E-07	3.67E-07	3.47E-07	0.00E+00	0.00E+00	1.60E-07	3.01E-08	1.91E-07	2.95E-08	2.68E-08	4.37E-07	4.52E-07	1.66E-07	2.26E-07	8.44E-08	4.52E-07	1.66E-07
836	490636.7	3860635	1.47E-03	1.51E-03	1.42E-03	5.09E-07	1.54E-06	8.90E-07	9.12E-07	8.27E-07	3.77E-07	3.56E-07	0.00E+00	0.00E+00	1.64E-07	3.10E-08	1.96E-07	3.03E-08	2.75E-08	4.49E-07	4.64E-07	1.70E-07	2.32E-07	8.66E-08	4.64E-07	1.70E-07
837	490686.7	3860635	1.51E-03	1.55E-03	1.46E-03	5.24E-07	1.58E-06	9.16E-07	9.38E-07	8.51E-07	3.88E-07	3.66E-07	0.00E+00	0.00E+00	1.69E-07	3.19E-08	2.02E-07	3.12E-08	2.84E-08	4.62E-07	4.78E-07	1.75E-07	2.39E-07	8.91E-08	4.78E-07	1.75E-07
838	490736.7	3860635	1.56E-03	1.60E-03	1.51E-03	5.40E-07	1.63E-06	9.44E-07	9.67E-07	8.76E-07	4.00E-07	3.77E-07	0.00E+00	0.00E+00	1.74E-07	3.28E-08	2.08E-07	3.21E-08	2.92E-08	4.76E-07	4.92E-07	1.81E-07	2.46E-07	9.18E-08	4.92E-07	1.81E-07
839	490786.7	3860635	1.61E-03	1.65E-03	1.56E-03	5.58E-07	1.68E-06	9.75E-07	9.99E-07	9.05E-07	4.13E-07	3.90E-07	0.00E+00	0.00E+00	1.79E-07	3.39E-08	2.15E-07	3.32E-08	3.02E-08	4.92E-07	5.09E-07	1.87E-07	2.54E-07	9.49E-08	5.09E-07	1.87E-07
840	490136.7	3860685	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.18E-06	6.80E-07	6.97E-07	6.32E-07	2.88E-07	2.72E-07	0.00E+00	0.00E+00	1.25E-07	2.37E-08	1.50E-07	2.31E-08	2.11E-08	3.43E-07	3.55E-07	1.30E-07	1.77E-07	6.62E-08	3.55E-07	1.30E-07
841	490186.7	3860685	1.15E-03	1.17E-03	1.11E-03	3.97E-07	1.20E-06	6.94E-07	7.11E-07	6.44E-07	2.94E-07	2.77E-07	0.00E+00	0.00E+00	1.28E-07	2.41E-08	1.53E-07	2.36E-08	2.15E-08	3.50E-07	3.62E-07	1.33E-07	1.81E-07	6.75E-08	3.62E-07	1.33E-07
842	490236.7	3860685	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.22E-06	7.09E-07	7.26E-07	6.58E-07	3.00E-07	2.83E-07	0.00E+00	0.00E+00	1.30E-07	2.47E-08	1.56E-07	2.41E-08	2.19E-08	3.58E-07	3.70E-07	1.36E-07	1.85E-07	6.90E-08	3.70E-07	1.36E-07
843	490286.7	3860685	1.20E-03	1.22E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.41E-07	6.72E-07	3.06E-07	2.89E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.60E-07	2.46E-08	2.24E-08	3.65E-07	3.77E-07	1.38E-07	1.88E-07	7.04E-08	3.77E-07	1.38E-07
844	490336.7	3860685	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.57E-07	6.87E-07	3.13E-07	2.95E-07	0.00E+00	0.00E+00	1.36E-07	2.57E-08	1.63E-07	2.52E-08	2.29E-08	3.73E-07	3.86E-07	1.41E-07	1.93E-07	7.19E-08	3.86E-07	1.41E-07
845	490386.7	3860685	1.25E-03	1.28E-03	1.21E-03	4.33E-07	1.31E-06	7.56E-07	7.75E-07	7.02E-07	3.20E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.63E-08	1.67E-07	2.57E-08	2.34E-08	3.81E-07	3.95E-07	1.45E-07	1.97E-07	7.36E-08	3.95E-07	1.45E-07
846	490436.7	3860685	1.28E-03	1.31E-03	1.23E-03	4.42E-07	1.34E-06	7.73E-07	7.92E-07	7.18E-07	3.28E-07	3.09E-07	0.00E+00	0.00E+00	1.42E-07	2.69E-08	1.71E-07	2.63E-08	2.39E-08	3.90E-07	4.03E-07	1.48E-07	2.01E-07	7.52E-08	4.03E-07	1.48E-07
847	490486.7	3860685	1.31E-03	1.34E-03	1.26E-03	4.53E-07	1.37E-06	7.92E-07	8.11E-07	7.35E-07	3.36E-07	3.17E-07	0.00E+00	0.00E+00	1.46E-07	2.75E-08	1.75E-07	2.69E-08	2.45E-08	3.99E-07	4.13E-07	1.52E-07	2.06E-07	7.71E-08	4.13E-07	1.52E-07
848	490536.7	3860685	1.34E-03	1.37E-03	1.30E-03	4.64E-07	1.40E-06	8.12E-07	8.31E-07	7.54E-07	3.44E-07	3.24E-07	0.00E+00	0.00E+00	1.49E-07	2.82E-08	1.79E-07	2.76E-08	2.51E-08	4.09E-07	4.23E-07	1.55E-07	2.11E-07	7.90E-08	4.23E-07	1.55E-07
849	490586.7	3860685	1.38E-03	1.41E-03	1.33E-03	4.76E-07	1.44E-06	8.32E-07	8.52E-07	7.73E-07	3.53E-07	3.33E-07	0.00E+00	0.00E+00	1.53E-07	2.89E-08	1.84E-07	2.83E-08	2.58E-08	4.20E-07	4.34E-07	1.59E-07	2.17E-07	8.10E-08	4.34E-07	1.59E-07
850	490636.7	3860685	1.41E-03	1.45E-03	1.36E-03	4.89E-07	1.48E-06	8.55E-07	8.75E-07	7.93E-07	3.62E-07	3.42E-07	0.00E+00	0.00E+00	1.57E-07	2.97E-08	1.89E-07	2.91E-08	2.64E-08	4.31E-07	4.46E-07	1.63E-07	2.23E-07	8.31E-08	4.46E-07	1.63E-07
851	490686.7	3860685	1.45E-03	1.49E-03	1.40E-03	5.03E-07	1.52E-06	8.79E-07	9.00E-07	8.16E-07	3.72E-07	3.51E-07	0.00E+00	0.00E+00	1.62E-07	3.05E-08	1.94E-07	2.99E-08	2.72E-08	4.43E-07	4.58E-07	1.68E-07	2.29E-07	8.55E-08	4.58E-07	1.68E-07
852	490736.7	3860685	1.49E-03	1.53E-03	1.44E-03	5.17E-07	1.56E-06	9.04E-07	9.26E-07	8.39E-07	3.83E-07	3.61E-07	0.00E+00	0.00E+00	1.66E-07	3.14E-08	1.99E-07	3.07E-08	2.80E-08	4.56E-07	4.71E-07	1.73E-07	2.35E-07	8.79E-08	4.71E-07	1.73E-07
853	490786.7	3860685	1.54E-03	1.58E-03	1.49E-03	5.33E-07	1.61E-06	9.31E-07	9.54E-07	8.65E-07	3.95E-07	3.72E-07	0.00E+00	0.00E+00	1.71E-07	3.24E-08	2.05E-07	3.17E-08	2.88E-08	4.70E-07	4.86E-07	1.78E-07	2.42E-07	9.06E-08	4.86E-07	1.78E-07
854	490136.7	3860735	1.08E-03	1.11E-03	1.04E-03	3.74E-07	1.13E-06	6.54E-07	6.70E-07	6.07E-07	2.77E-07	2.61E-07	0.00E+00	0.00E+00	1.20E-07	2.27E-08	1.44E-07	2.22E-08	2.02E-08	3.30E-07	3.41E-07	1.25E-07	1.70E-07	6.36E-08	3.41E-07	1.25E-07
855	490186.7	3860735	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.66E-07	6.82E-07	6.19E-07	2.82E-07	2.66E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.06E-08	3.36E-07	3.47E-07	1.27E-07	1.73E-07	6.48E-08	3.47E-07	1.27E-07
856	490236.7	3860735	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.18E-06	6.80E-07	6.97E-07	6.32E-07	2.88E-07	2.72E-07	0.00E+00	0.00E+00	1.25E-07	2.37E-08	1.50E-07	2.31E-08	2.11E-08	3.43E-07	3.55E-07	1.30E-07	1.77E-07	6.62E-08	3.55E-07	1.30E-07
857	490286.7	3860735	1.15E-03	1.18E-03	1.11E-03	3.97E-07	1.20E-06	6.95E-07	7.12E-07	6.45E-07	2.94E-07	2.78E-07	0.00E+00	0.00E+00	1.28E-07	2.42E-08	1.53E-07	2.36E-08	2.15E-08	3.50E-07	3.62E-07	1.33E-07	1.81E-07	6.76E-08	3.62E-07	1.33E-07
858	490336.7	3860735	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	7.27E-07	6.59E-07	3.01E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.20E-08	3.58E-07	3.70E-07	1.36E-07	1.85E-07	6.91E-08	3.70E-07	1.36E-07
859	490386.7	3860735	1.20E-03	1.23E-03	1.16E-03	4.16E-07	1.26E-06	7.27E-07	7.45E-07	6.75E-07	3.08E-07	2.90E-07	0.00E+00	0.00E+00	1.34E-07	2.53E-08	1.60E-07	2.47E-08	2.25E-08	3.67E-07	3.79E-07	1.39E-07	1.89E-07	7.07E-08	3.79E-07	1.39E-07
860	490436.7	3860735	1.23E-03	1.26E-03	1.19E-03	4.26E-07	1.28E-06	7.44E-07	7.62E-07	6.91E-07	3.15E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.59E-08	1.64E-07	2.53E-08	2.30E-08	3.75E-07	3.88E-07	1.42E-07	1.94E-07	7.24E-08	3.88E-07	1.42E-07
861	490486.7	3860735	1.26E-03	1.29E-03	1.22E-03	4.36E-07	1.32E-06	7.62E-07	7.80E-07	7.07E-07	3.23E-07	3.04E-07	0.00E+00	0.00E+00	1.40E-07	2.65E-08	1.68E-07	2.59E-08	2.36E-08	3.84E-07	3.97E-07	1.46E-07	1.98E-07	7.41E-08	3.97E-07	1.46E-07
862	490536.7	3860735	1.29E-03	1.32E-03	1.24E-03	4.46E-07	1.35E-06	7.79E-07	7.98E-07	7.23E-07	3.30E-07	3.11E-07	0.00E+00	0.00E+00	1.43E-07	2.71E-08	1.72E-07	2.65E-08	2.41E-08	3.93E-07	4.06E-07	1.49E-07	2.03E-07	7.58E-08	4.06E-07	1.49E-07
863	490586.7	3860735	1.32E-03	1.35E-03	1.27E-03	4.57E-07	1.38E-06	7.98E-07	8.18E-07	7.41E-07	3.38E-07	3.19E-07	0.00E+00	0.00E+00	1.47E-07	2.78E-08	1.76E-07	2.72E-08	2.47E-08	4.03E-07	4.16E-07	1.53E-07	2.08E-07	7.77E-08	4.16E-07	1.53E-07
864	490636.7	3860735	1.35E-03	1.39E-03	1.31E-03	4.68E-07	1.41E-06	8.19E-07	8.39E-07	7.60E-07	3.47E-07	3.27E-07	0.00E+00	0.00E+00	1.51E-07	2.85E-08	1.81E-07	2.79E-08	2.53E-08	4.13E-07	4.27E-07	1.57E-07	2.13E-07	7.97E-08	4.27E-07	1.57E-07
865	490686.7	3860735	1.39E-03	1.43E-03	1.34E-03	4.82E-07	1.45E-06	8.42E-07	8.63E-07	7.82E-07	3.57E-07	3.37E-07	0.00E+00	0.00E+00	1.55E-07	2.93E-08	1.86E-07	2.86E-08	2.61E-08	4.25E-07	4.39E-07	1.61E-07	2.19E-07	8.19E-08	4.39E-07	1.61E-07
866	490736.7	3860735	1.43E-03	1.47E-03	1.38E-03	4.96E-07	1.50E-06	8.66E-07	8.87E-07	8.04E-07	3.67E-07	3.46E-07	0.00E+00	0.00E+00	1.59E-07	3.01E-08	1.91E-07	2.95E-08	2.68E-08	4.37E-07	4.52E-07	1.66E-07	2.26E-07	8.43E-08	4.52E-07	1.66E-07
867	490136.7	3860785	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.27E-07	6.42E-07	5.82E-07	2.66E-07	2.51E-07	0.00E+00	0.00E+00	1.15E-07	2.18E-08	1.38E-07	2.13E-08	1.94E-08	3.16E-07	3.27E-07	1.20E-07	1.63E-07	6.10E-08	3.27E-07	1.20E-07
868	490186.7	3860785	1.06E-03	1.08E-03	1.02E-03	3.66E-07	1.10E-06	6.39E-07	6.55E-07	5.94E-07	2.71E-07	2.56E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.18E-08	1.98E-08	3.22E-07	3.34E-07	1.22E-07	1.66E-07	6.22E-08	3.34E-07	1.22E-07
869	490236.7	3860785	1.08E-03	1.10E-03	1.04E-03	3.73E-07	1.13E-06	6.53E-07	6.69E-07	6.06E-07	2.77E-07	2.61E-07	0.00E+00	0.00E+00	1.20E-07	2.27E-08	1.44E-07	2.22E-08	2.02E-08	3.29E-07	3.41E-07	1.25E-07	1.70E-07	6.35E-08	3.41E-07	1.25E-07
870	490286.7	3860785	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.66E-07	6.82E-07	6.19E-07	2.82E-07	2.66E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.06E-08	3.36E-07	3.47E-07	1.27E-07	1.73E-07	6.48E-08	3.47E-07	1.27E-07
871	490336.7	3860785	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.81E-07	6.98E-07	6.33E-07	2.89E-07	2.72E-07	0.00E+00	0.00E+00	1.25E-07	2.37E-08	1.50E-07	2.32E-08	2.11E-08	3.44E-07	3.55E-07	1.30E-07	1.77E-07	6.63E-08	3.55E-07	1.30E-07
872	490386.7	3860785	1.15E-03	1.18E-03	1.11E-03	3.98E-07	1.20E-06	6.97E-07	7.13E-07	6.47E-07	2.95E-07	2.78E-07	0.00E+00	0.00E+00	1.28E-07	2.42E-08	1.54E-07	2.37E-08	2.16E-08	3.51E-07	3.63E-07	1.33E-07	1.81E-07	6.78E-08	3.63E-07	1.33E-07
873	490436.7	3860785	1.18E-03	1.21E-03	1.14E-03	4.08E-07	1.23E-06	7.13E-07	7.30E-07	6.62E-07	3.02E-07	2.85E-07	0.00E+00	0.00E+00	1.31E-07	2.48E-08	1.57E-07	2.42E-08	2.21E-08	3.59E-07	3.72E-07	1.36E-07	1.86E-07	6.93E-08	3.72E-07	1.36E-07
874	490486.7	3860785	1.21E-03	1.24E-03	1.17E-03	4.18E-07	1.26E-06	7.30E-07	7.48E-07	6.78E-07	3.09E-07	2.92E-07	0.00E+00	0.00E+00	1.34E-07	2.54E-08	1.61E-07	2.49E-08	2.26E-08	3.68E-07	3.81E-07	1.40E-07	1.90E-07	7.11E-08	3.81E-07	1.40E-07
875	490536.7	3860785	1.24E-03	1.27E-03	1.19E-03	4.28E-07	1.29E-06	7.47E-07	7.66E-07	6.94E-07	3.17E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.60E-08	1.65E-07	2.54E-08	2.31E-08	3.77E-07	3.90E-07	1.43E-07	1.95E-07	7.27E-08	3.90E-07	1.43E-07
876	490586.7	3860785	1.26E-03	1.30E-03	1.22E-03	4.38E-07	1.32E-06	7.65E-07	7.84E-07	7.11E-07	3.24E-07	3.06E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.60E-08	2.37E-08	3.86E-07	3.99E-07	1.46E-07	1.99E-07	7.45E-08	3.99E-07	1.46E-07
877	490636.7	3860785	1.30E-03	1.33E-03	1.25E-03	4.49E-07	1.36E-06	7.85E-07	8.04E-07	7.29E-07	3.33E-07	3.14E-07	0.00E+00	0.00E+00	1.44E-07	2.73E-08	1.73E-07	2.67E-08	2.43E-08	3.96E-07	4.09E-07	1.50E-07	2.04E-07	7.64E-08	4.09E-07	1.50E-07
878	490686.7	3860785	1.33E-03	1.36E-03	1.29E-03	4.61E-07	1.39E-06	8.05E-07	8.25E-07	7.48E-07	3.41E-07	3.22E-07	0.00E+00	0.00E+00	1.48E-07	2.80E-08	1.78E-07	2.74E-08	2.49E-08	4.06E-07	4.20E-07	1.54E-07	2.10E-07	7.84E-08	4.20E-07	1.54E-07
879	490736.7	3860785	1.37E-03	1.40E-03	1.32E-03	4.74E-07	1.43E-06	8.29E-07	8.49E-07	7.69E-07	3.51E-07	3.31E-07	0.00E+00	0.00E+00	1.52E-07	2.88E-08	1.83E-07	2.82E-08	2.56E-08	4.18E-07	4.32E-07	1.59E-07	2.16E-07	8.06E-08	4.32E-07	1.59E-07
880	490086.7	3860835	9.77E-04	1.00E-03	9.44E-04	3.38E-07	1.02E-06	5.91E-07	6.05E-07	5.49E-07	2.50E-07	2.36E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.30E-07	2.01E-08	1.83E-08	2.98E-07	3.08E-07	1.13E-07	1.54E-07	5.75E-08	3.08E-07	1.13E-07
881	490136.7	3860835	9.96E-04	1.02E-03	9.62E-04	3.45E-07	1.04E-06	6.03E-07	6.17E-07	5.60E-07	2.55E-07	2.41E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.33E-07	2.05E-08	1.87E-08	3.04E-07	3.14E-07	1.15E-07	1.57E-07	5.86E-08	3.14E-07	1.15E-07

882	490186.7	3860835	1.02E-03	1.04E-03	9.81E-04	3.51E-07	1.06E-06	6.14E-07	6.29E-07	5.70E-07	2.60E-07	2.46E-07	0.00E+00	0.00E+00	1.13E-07	2.14E-08	1.36E-07	2.09E-08	1.90E-08	3.10E-07	3.20E-07	1.18E-07	1.60E-07	5.98E-08	3.20E-07	1.18E-07
883	490236.7	3860835	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.27E-07	6.42E-07	5.82E-07	2.66E-07	2.51E-07	0.00E+00	0.00E+00	1.15E-07	2.18E-08	1.38E-07	2.13E-08	1.94E-08	3.16E-07	3.27E-07	1.20E-07	1.63E-07	6.10E-08	3.27E-07	1.20E-07
884	490286.7	3860835	1.06E-03	1.08E-03	1.02E-03	3.66E-07	1.11E-06	6.40E-07	6.56E-07	5.94E-07	2.71E-07	2.56E-07	0.00E+00	0.00E+00	1.18E-07	2.23E-08	1.41E-07	2.18E-08	1.98E-08	3.23E-07	3.34E-07	1.22E-07	1.67E-07	6.23E-08	3.34E-07	1.22E-07
885	490336.7	3860835	1.08E-03	1.11E-03	1.04E-03	3.74E-07	1.13E-06	6.54E-07	6.70E-07	6.07E-07	2.77E-07	2.61E-07	0.00E+00	0.00E+00	1.20E-07	2.27E-08	1.44E-07	2.22E-08	2.02E-08	3.30E-07	3.41E-07	1.25E-07	1.70E-07	6.36E-08	3.41E-07	1.25E-07
886	490386.7	3860835	1.10E-03	1.13E-03	1.07E-03	3.82E-07	1.15E-06	6.68E-07	6.84E-07	6.20E-07	2.83E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.07E-08	3.37E-07	3.48E-07	1.28E-07	1.74E-07	6.50E-08	3.48E-07	1.28E-07
887	490436.7	3860835	1.13E-03	1.16E-03	1.09E-03	3.91E-07	1.18E-06	6.83E-07	7.00E-07	6.34E-07	2.89E-07	2.73E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.51E-07	2.32E-08	2.11E-08	3.45E-07	3.56E-07	1.31E-07	1.78E-07	6.65E-08	3.56E-07	1.31E-07
888	490486.7	3860835	1.16E-03	1.18E-03	1.12E-03	4.00E-07	1.21E-06	6.99E-07	7.16E-07	6.49E-07	2.96E-07	2.79E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.16E-08	3.53E-07	3.65E-07	1.34E-07	1.82E-07	6.80E-08	3.65E-07	1.34E-07
889	490536.7	3860835	1.18E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.16E-07	7.34E-07	6.65E-07	3.03E-07	2.86E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.22E-08	3.61E-07	3.74E-07	1.37E-07	1.86E-07	6.97E-08	3.74E-07	1.37E-07
890	490586.7	3860835	1.21E-03	1.24E-03	1.17E-03	4.19E-07	1.27E-06	7.33E-07	7.51E-07	6.81E-07	3.11E-07	2.93E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.49E-08	2.27E-08	3.70E-07	3.82E-07	1.40E-07	1.91E-07	7.13E-08	3.82E-07	1.40E-07
891	490636.7	3860835	1.24E-03	1.27E-03	1.20E-03	4.30E-07	1.30E-06	7.51E-07	7.69E-07	6.97E-07	3.18E-07	3.00E-07	0.00E+00	0.00E+00	1.38E-07	2.61E-08	1.66E-07	2.55E-08	2.32E-08	3.79E-07	3.92E-07	1.44E-07	1.96E-07	7.31E-08	3.92E-07	1.44E-07
892	490686.7	3860835	1.27E-03	1.30E-03	1.23E-03	4.41E-07	1.33E-06	7.71E-07	7.89E-07	7.16E-07	3.26E-07	3.08E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.38E-08	3.89E-07	4.02E-07	1.47E-07	2.01E-07	7.50E-08	4.02E-07	1.47E-07
893	490736.7	3860835	1.31E-03	1.34E-03	1.27E-03	4.54E-07	1.37E-06	7.93E-07	8.12E-07	7.36E-07	3.36E-07	3.17E-07	0.00E+00	0.00E+00	1.46E-07	2.76E-08	1.75E-07	2.70E-08	2.45E-08	4.00E-07	4.14E-07	1.52E-07	2.06E-07	7.72E-08	4.14E-07	1.52E-07
894	490086.7	3860885	9.43E-04	9.66E-04	9.11E-04	3.26E-07	9.86E-07	5.71E-07	5.84E-07	5.30E-07	2.42E-07	2.28E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.77E-08	2.88E-07	2.98E-07	1.09E-07	1.49E-07	5.55E-08	2.98E-07	1.09E-07
895	490136.7	3860885	9.61E-04	9.84E-04	9.28E-04	3.33E-07	1.00E-06	5.81E-07	5.95E-07	5.40E-07	2.46E-07	2.32E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.98E-08	1.80E-08	2.93E-07	3.03E-07	1.11E-07	1.51E-07	5.66E-08	3.03E-07	1.11E-07
896	490186.7	3860885	9.79E-04	1.00E-03	9.45E-04	3.39E-07	1.02E-06	5.92E-07	6.06E-07	5.50E-07	2.51E-07	2.37E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.01E-08	1.83E-08	2.99E-07	3.09E-07	1.13E-07	1.54E-07	5.76E-08	3.09E-07	1.13E-07
897	490236.7	3860885	9.98E-04	1.02E-03	9.64E-04	3.45E-07	1.04E-06	6.04E-07	6.18E-07	5.60E-07	2.56E-07	2.41E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.33E-07	2.05E-08	1.87E-08	3.04E-07	3.15E-07	1.15E-07	1.57E-07	5.87E-08	3.15E-07	1.15E-07
898	490286.7	3860885	1.02E-03	1.04E-03	9.82E-04	3.52E-07	1.06E-06	6.15E-07	6.30E-07	5.71E-07	2.61E-07	2.46E-07	0.00E+00	0.00E+00	1.13E-07	2.14E-08	1.36E-07	2.09E-08	1.90E-08	3.10E-07	3.21E-07	1.18E-07	1.60E-07	5.99E-08	3.21E-07	1.18E-07
899	490336.7	3860885	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.28E-07	6.43E-07	5.83E-07	2.66E-07	2.51E-07	0.00E+00	0.00E+00	1.15E-07	2.18E-08	1.38E-07	2.14E-08	1.94E-08	3.17E-07	3.27E-07	1.20E-07	1.63E-07	6.11E-08	3.27E-07	1.20E-07
900	490386.7	3860885	1.06E-03	1.09E-03	1.02E-03	3.67E-07	1.11E-06	6.41E-07	6.57E-07	5.95E-07	2.72E-07	2.56E-07	0.00E+00	0.00E+00	1.18E-07	2.23E-08	1.41E-07	2.18E-08	1.98E-08	3.23E-07	3.34E-07	1.23E-07	1.67E-07	6.24E-08	3.34E-07	1.23E-07
901	490436.7	3860885	1.08E-03	1.11E-03	1.05E-03	3.75E-07	1.13E-06	6.55E-07	6.71E-07	6.09E-07	2.78E-07	2.62E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.23E-08	2.03E-08	3.31E-07	3.42E-07	1.25E-07	1.71E-07	6.38E-08	3.42E-07	1.25E-07
902	490486.7	3860885	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.70E-07	6.86E-07	6.22E-07	2.84E-07	2.68E-07	0.00E+00	0.00E+00	1.23E-07	2.33E-08	1.48E-07	2.28E-08	2.07E-08	3.38E-07	3.49E-07	1.28E-07	1.74E-07	6.52E-08	3.49E-07	1.28E-07
903	490536.7	3860885	1.13E-03	1.16E-03	1.10E-03	3.92E-07	1.18E-06	6.86E-07	7.02E-07	6.37E-07	2.91E-07	2.74E-07	0.00E+00	0.00E+00	1.26E-07	2.38E-08	1.51E-07	2.33E-08	2.12E-08	3.46E-07	3.58E-07	1.31E-07	1.79E-07	6.67E-08	3.58E-07	1.31E-07
904	490586.7	3860885	1.16E-03	1.19E-03	1.12E-03	4.02E-07	1.21E-06	7.02E-07	7.19E-07	6.52E-07	2.97E-07	2.80E-07	0.00E+00	0.00E+00	1.29E-07	2.44E-08	1.55E-07	2.39E-08	2.17E-08	3.54E-07	3.66E-07	1.34E-07	1.83E-07	6.83E-08	3.66E-07	1.34E-07
905	490636.7	3860885	1.19E-03	1.22E-03	1.15E-03	4.11E-07	1.24E-06	7.19E-07	7.36E-07	6.67E-07	3.05E-07	2.87E-07	0.00E+00	0.00E+00	1.32E-07	2.50E-08	1.59E-07	2.45E-08	2.22E-08	3.63E-07	3.75E-07	1.38E-07	1.87E-07	6.99E-08	3.75E-07	1.38E-07
906	490686.7	3860885	1.22E-03	1.25E-03	1.18E-03	4.21E-07	1.27E-06	7.37E-07	7.55E-07	6.84E-07	3.12E-07	2.94E-07	0.00E+00	0.00E+00	1.36E-07	2.56E-08	1.63E-07	2.51E-08	2.28E-08	3.72E-07	3.84E-07	1.41E-07	1.92E-07	7.17E-08	3.84E-07	1.41E-07
907	490736.7	3860885	1.25E-03	1.28E-03	1.21E-03	4.33E-07	1.31E-06	7.56E-07	7.75E-07	7.02E-07	3.20E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.63E-08	1.67E-07	2.57E-08	2.34E-08	3.81E-07	3.95E-07	1.45E-07	1.97E-07	7.36E-08	3.95E-07	1.45E-07
908	490086.7	3860935	9.11E-04	9.33E-04	8.80E-04	3.15E-07	9.52E-07	5.51E-07	5.64E-07	5.12E-07	2.33E-07	2.20E-07	0.00E+00	0.00E+00	1.01E-07	1.92E-08	1.22E-07	1.87E-08	1.70E-08	2.78E-07	2.87E-07	1.05E-07	1.43E-07	5.36E-08	2.87E-07	1.05E-07
909	490136.7	3860935	9.27E-04	9.49E-04	8.95E-04	3.21E-07	9.69E-07	5.61E-07	5.74E-07	5.21E-07	2.38E-07	2.24E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.24E-07	1.91E-08	1.74E-08	2.83E-07	2.93E-07	1.07E-07	1.46E-07	5.46E-08	2.93E-07	1.07E-07
910	490186.7	3860935	9.43E-04	9.66E-04	9.11E-04	3.26E-07	9.86E-07	5.71E-07	5.84E-07	5.30E-07	2.42E-07	2.28E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.77E-08	2.88E-07	2.98E-07	1.09E-07	1.49E-07	5.55E-08	2.98E-07	1.09E-07
911	490236.7	3860935	9.61E-04	9.84E-04	9.28E-04	3.33E-07	1.00E-06	5.81E-07	5.95E-07	5.40E-07	2.46E-07	2.32E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.98E-08	1.80E-08	2.93E-07	3.03E-07	1.11E-07	1.51E-07	5.66E-08	3.03E-07	1.11E-07
912	490286.7	3860935	9.80E-04	1.00E-03	9.47E-04	3.39E-07	1.02E-06	5.93E-07	6.07E-07	5.51E-07	2.51E-07	2.37E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.02E-08	1.83E-08	2.99E-07	3.09E-07	1.13E-07	1.54E-07	5.77E-08	3.09E-07	1.13E-07
913	490336.7	3860935	9.99E-04	1.02E-03	9.65E-04	3.46E-07	1.04E-06	6.05E-07	6.19E-07	5.61E-07	2.56E-07	2.42E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.33E-07	2.06E-08	1.87E-08	3.05E-07	3.15E-07	1.16E-07	1.57E-07	5.88E-08	3.15E-07	1.16E-07
914	490386.7	3860935	1.02E-03	1.04E-03	9.85E-04	3.53E-07	1.07E-06	6.17E-07	6.32E-07	5.73E-07	2.61E-07	2.47E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.36E-07	2.10E-08	1.91E-08	3.11E-07	3.22E-07	1.18E-07	1.61E-07	6.00E-08	3.22E-07	1.18E-07
915	490436.7	3860935	1.04E-03	1.07E-03	1.01E-03	3.61E-07	1.09E-06	6.30E-07	6.46E-07	5.85E-07	2.67E-07	2.52E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	1.95E-08	3.18E-07	3.29E-07	1.21E-07	1.64E-07	6.13E-08	3.29E-07	1.21E-07
916	490486.7	3860935	1.06E-03	1.09E-03	1.03E-03	3.68E-07	1.11E-06	6.44E-07	6.59E-07	5.98E-07	2.73E-07	2.57E-07	0.00E+00	0.00E+00	1.18E-07	2.24E-08	1.42E-07	2.19E-08	1.99E-08	3.25E-07	3.36E-07	1.23E-07	1.68E-07	6.26E-08	3.36E-07	1.23E-07
917	490536.7	3860935	1.09E-03	1.11E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.74E-07	6.11E-07	2.79E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.29E-08	1.45E-07	2.24E-08	2.04E-08	3.32E-07	3.43E-07	1.26E-07	1.71E-07	6.40E-08	3.43E-07	1.26E-07
918	490586.7	3860935	1.11E-03	1.14E-03	1.07E-03	3.85E-07	1.16E-06	6.72E-07	6.89E-07	6.24E-07	2.85E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.48E-07	2.29E-08	2.08E-08	3.39E-07	3.51E-07	1.29E-07	1.75E-07	6.54E-08	3.51E-07	1.29E-07
919	490636.7	3860935	1.14E-03	1.17E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	7.05E-07	6.39E-07	2.92E-07	2.75E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.52E-07	2.34E-08	2.13E-08	3.47E-07	3.59E-07	1.32E-07	1.79E-07	6.70E-08	3.59E-07	1.32E-07
920	490686.7	3860935	1.17E-03	1.19E-03	1.13E-03	4.04E-07	1.22E-06	7.05E-07	7.23E-07	6.55E-07	2.99E-07	2.82E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.56E-07	2.40E-08	2.18E-08	3.56E-07	3.68E-07	1.35E-07	1.84E-07	6.86E-08	3.68E-07	1.35E-07
921	490736.7	3860935	1.20E-03	1.22E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.41E-07	6.72E-07	3.06E-07	2.89E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.60E-07	2.46E-08	2.24E-08	3.65E-07	3.77E-07	1.38E-07	1.88E-07	7.04E-08	3.77E-07	1.38E-07
922	490786.7	3860935	1.23E-03	1.26E-03	1.18E-03	4.25E-07	1.28E-06	7.42E-07	7.60E-07	6.89E-07	3.14E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.58E-08	1.64E-07	2.52E-08	2.30E-08	3.74E-07	3.87E-07	1.42E-07	1.93E-07	7.22E-08	3.87E-07	1.42E-07
923	490836.7	3860935	1.26E-03	1.29E-03	1.22E-03	4.37E-07	1.32E-06	7.64E-07	7.82E-07	7.09E-07	3.23E-07	3.05E-07	0.00E+00	0.00E+00	1.40E-07	2.65E-08	1.68E-07	2.60E-08	2.36E-08	3.85E-07	3.98E-07	1.46E-07	1.99E-07	7.43E-08	3.98E-07	1.46E-07
924	490086.7	3860985	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	0.00E+00	0.00E+00	9.82E-08	1.86E-08	1.18E-07	1.82E-08	1.65E-08	2.69E-07	2.79E-07	1.02E-07	1.39E-07	5.20E-08	2.79E-07	1.02E-07
925	490136.7	3860985	8.97E-04	9.19E-04	8.67E-04	3.11E-07	9.38E-07	5.43E-07	5.56E-07	5.04E-07	2.30E-07	2.17E-07	0.00E+00	0.00E+00	9.99E-08	1.89E-08	1.20E-07	1.85E-08	1.68E-08	2.74E-07	2.83E-07	1.04E-07	1.41E-07	5.28E-08	2.83E-07	1.04E-07
926	490186.7	3860985	9.14E-04	9.36E-04	8.83E-04	3.16E-07	9.55E-07	5.53E-07	5.66E-07	5.13E-07	2.34E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.71E-08	2.79E-07	2.88E-07	1.06E-07	1.44E-07	5.38E-08	2.88E-07	1.06E-07
927	490236.7	3860985	9.28E-04	9.51E-04	8.97E-04	3.21E-07	9.70E-07	5.62E-07	5.75E-07	5.22E-07	2.38E-07	2.24E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.24E-07	1.91E-08	1.74E-08	2.83E-07	2.93E-07	1.07E-07	1.46E-07	5.46E-08	2.93E-07	1.07E-07
928	490286.7	3860985	9.46E-04	9.69E-04	9.14E-04	3.27E-07	9.89E-07	5.72E-07	5.86E-07	5.31E-07	2.43E-07	2.29E-07	0.00E+00	0.00E+00	1.05E-07	1.99E-08	1.26E-07	1.95E-08	1.77E-08	2.89E-07	2.99E-07	1.10E-07	1.49E-07	5.57E-08	2.99E-07	1.10E-07
929	490336.7	3860985	9.64E-04	9.87E-04	9.31E-04	3.34E-07	1.01E-06	5.83E-07	5.97E-07	5.41E-07	2.47E-07	2.33E-07	0.00E+00	0.00E+00	1.07E-07	2.03E-08	1.29E-07	1.98E-08	1.80E-08	2.94E-07	3.04E-07	1.12E-07	1.52E-07	5.67E-08	3.04E-07	1.12E-07
930	490386.7	3860985	9.83E-04	1.01E-03	9.50E-04	3.40E-07	1.03E-06	5.95E-07	6.09E-07	5.52E-07	2.52E-07	2.38E-07	0.00E+00	0.00E+00	1.09E-07	2.07E-08	1.31E-07	2.02E-08	1.84E-08	3.00E-07	3.10E-07	1.14E-07	1.55E-07	5.79E-08	3.10E-07	1.14E-07
931	490436.7	3860985	1.00E-03	1.03E-03	9.70E-04	3.47E-07	1.05E-06	6.07E-07	6.22E-07	5.64E-07	2.57E-07	2.43E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.07E-08	1.88E-08	3.06E-07	3.17E-07	1.16E-07	1.58E-07	5.91E-08	3.17E-07	1.16E-07
932	490486.7	3860985	1.02E-03	1.05E-03	9.90E-04	3.55E-07	1.07E-06	6.20E-07	6.35E-07	5.75E-07	2.63E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.37E-07	2.11E-08	1.92E-08	3.13E-07	3.23E-07	1.19E-07	1.61E-07	6.03E-08	3.23E-07	1.19E-07
933	490536.7	3860985	1.04E-03	1.07E-03	1.01E-03	3.62E-07	1.09E-06	6.32E-07	6.48E-07	5.87E-07	2.68E-07	2.53E-07	0.00E+00	0.00E+00	1.16E-07	2.20E-08	1.39E-07	2.15E-08	1.96E-08	3.19E-07	3.30E-07	1.21E-07	1.65E-07	6.15E-08	3.30E-07	1.21E-07
934	490586.7	3860985	1.07E-03	1.09E-03	1.03E-03	3.70E-07	1.12E-06	6.47E-07	6.62E-07	6.00E-07	2.74E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.25E-08	1.43E-07	2.20E-08	2.00E-08	3.26E-07	3.37E-07	1.24E-07	1.68E-07	6.29E-08	3.37E-07	1.24E-07
935	490636.7	3860985	1.09E-03	1.12E-03	1.06E-03	3.78E-07	1.14E-06	6.61E-07	6.77E-07	6.14E-07	2.80E-07	2.64E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.04E-08	3.33E-07	3.45E-07	1.26E-07	1.72E-07	6.43E-08	3.45E-07	1.26E-07
936	490686.7	3860985	1.12E-03	1.14E-03	1.08E-03	3.87E-07	1.17E-06	6.76E-07	6.92E-07	6.28E-07	2.86E-07	2.70E-07	0.00E+00	0.00E+00	1.24E-07	2.35E-08	1.49E-07	2.30E-08	2.09E-08	3.41E-07	3.53E-07	1.29E-07	1.76E-07	6.58E-08	3.53E-07	1.29E-07
937	490736.7	3860985	1.14E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.92E-07	7.09E-07	6.43E-07	2.93E-07	2.77E-07	0.00E+00	0.00E+00	1.27E-07	2.41E-08	1.53E-07	2.35E-08	2.14E-08	3.49E-07	3.61E-07	1.32E-07	1.80E-07	6.73E-08	3.61E-07	1.32E-07
938	490786.7	3860985	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	7.27E-07	6.59E-07	3.01E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.20E-08	3.58E-07	3.70E-07	1.36E-07	1.85E-07	6.91E-08	3.70E-07	1.36E-07
939	490836.7	3860985	1.20E-03	1.23E-03	1.16E-03	4.17E-07	1.26E-06	7.29E-07	7.46E-07	6.77E-07	3.09E-07	2.91E-07	0.00E+00	0.00E+00	1.34E-07	2.53E-08	1.61E-07	2.48E-08	2.25E-08	3.67E-07	3.80E-07	1.39E-07	1.90E-07	7.09E-08	3.80E-07	1.39E-07
940	490086.7	3861035	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	0.00E+00	0.00E+00	9.51E-08	1.80E-08	1.14E-07	1.76E-08	1.60E-08	2.61E-07	2.70E-07	9.89E-08	1.35E-07	5.03E-08	2.70E-07	9.89E-08
941	490136.7	3861035	8.69E-04	8.90E-04	8.40E-04	3.01E-07	9.09E-07	5.26E-07	5.39E-07	4.88E-07	2.23E-07	2.10E-07	0.00E+00	0.00E+00	9.68E-08	1.83E-08	1.16E-07	1.79E-08	1.63E-08	2.65E-07	2.74E-07	1.01E-07	1.37E-07	5.12E-08	2.74E-07	1.01E-07
942	490186.7	3861035	8.84E-04	9.05E-04	8.54E-04	3.06E-07	9.24E-07	5.35E-07	5.48E-07	4.97E-07	2.27E-07	2.14E-07	0.00E+00	0.00E+00	9.84E-08	1.86E-08	1.18E-07	1.82E-08	1.66E-08	2.70E-07	2.79E-07	1.02E-07	1.39E-07	5.20E-08	2.79E-07	1.02E-07
943	490236.7	3861035	9.00E-04	9.22E-04	8.70E-04	3.12E-07	9.41E-07	5.45E-07	5.58E-07	5.06E-07	2.31E-07	2.18E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.69E-08	2.75E-07	2.84E-07	1.04E-07	1.42E-07	5.30E-08	2.84E-07	1.04E-07
944	490286.7	3861035	9.15E-04	9.37E-04	8.84E-04	3.17E-07	9.56E-07	5.54E-07	5.67E-07	5.14E-07	2.35E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.71E-08	2.79E-07	2.89E-07	1.06E-07	1.44E-07	5.39E-08	2.89E-07	1.06E-07
945	490336.7	3861035	9.31E-04	9.54E-04	9.00E-04	3.22E-07	9.73E-07	5.63E-07	5.77E-07	5.23E-07	2.39E-07	2.25E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.74E-08	2.84E-07	2.94E-07	1.08E-07	1.47E-07	5.48E-08	2.94E-07	1.08E-07
946	490386.7	3861035	9.50E-04	9.73E-04	9.18E-04	3.29E-07	9.93E-07	5.75E-07	5.89E-07	5.34E-07	2.44E-07	2.30E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.78E-08	2.90E-07	3.00E-07	1.10E-07	1.50E-07	5.60E-08	3.00E-07	1.10E-07
947	490436.7	3861035	9.68E-04	9.92E-04	9.35E-04	3.35E-07	1.01E-06	5.86E-07	6.00E-07	5.44E-07	2.48E-07	2.34E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.29E-07	1.99E-08	1.81E-08	2.95E-07	3.06E-07	1.12E-07	1.53E-07	5.70E-08	3.06E-07	1.12E-07
948	490486.7	3861035	9.87E-04	1.01E-03	9.54E-04	3.42E-07	1.03E-06	5.97E-07	6.12E-07	5.55E-07	2.53E-07	2.39E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.03E-08	1.85E-08	3.01E-07	3.12E-07	1.14E-07	1.56E-07	5.81E-08	3.12E-07	1.14E-07
949	490536.7	3861035	1.01E-03	1.03E-03	9.74E-04	3.49E-07	1.05E-06	6.10E-07	6.25E-07	5.66E-07	2.58E-07	2.44E-07	0.00E+00	0.00E+00	1.12E-07	2.12E-08	1.35E-07	2.07E-08	1.89E-08	3.08E-07	3.18E-07	1.17E-07	1.59E-07	5.93E-08	3.18E-07	1.17E-07
950	490586.7	3861035	1.03E-03	1.05E-03	9.94E-04	3.56E-07	1.08E-06	6.22E-07	6.38E-07	5.78E-07	2.64E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.12E-08	1.93E-08	3.14E-07	3.25E-07	1.19E-07	1.62E-07	6.06E-08	3.25E-07	1.19E-07
951	490636.7	3861035	1.05E-03	1.08E-03	1.02E-03	3.64E-07	1.10E-06	6.36E-07	6.51E-07	5.90E-07	2.69E-07	2.54E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	1.97E-08	3.21E-07	3.32E-07	1.22E-07	1.66E-07	6.19E-08	3.32E-07	1.22E-07
952	490686.7	3861035	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.49E-07	6.65E-07	6.03E-07	2.75E-07	2.59E-07	0.00E+00	0.00E+00	1.19E-07	2.26E-08	1.43E-07	2.21E-08	2.01E-08	3.27E-07	3.39E-07	1.24E-07	1.69E-07	6.32E-08	3.39E-07	1.24E-07
953	490736.7	3861035	1.10E-03	1.12E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.80E-07	6.17E-07	2.81E-07	2.65E-07	0.00E+00	0.00E+00	1.22E-07	2.31E-08	1.47E-07	2.26E-08	2.06E-08	3.35E-07	3.47E-07	1.27E-07	1.73E-07	6.46E-08	3.47E-07	1.27E-07
954	490786.7	3861035	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.17E-06	6.80E-07	6.96E-07	6.31E-07	2.88E-07	2.72E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.50E-07	2.31E-08	2.10E-08	3.43E-07	3.54E-07	1.30E-07	1.77E-07	6.61E-08	3.54E-07	1.30E-07
955	490836.7	3861035	1.15E-03	1.18E-03	1.11E-03	3.98E-07	1.20E-06	6.97E-07	7.13E-07	6.47E-07	2.95E-07	2.78E-07	0.00E+00	0.00E+00	1.28E-07	2.42E-08	1.54E-07	2.37E-08	2.16E-08	3.51E-07	3.63E-07	1.33E-07	1.81E-07	6.78E-08	3.63E-07	1.33E-07

956	490086.7	3861085	8.31E-04	8.51E-04	8.03E-04	2.88E-07	8.68E-07	5.03E-07	5.15E-07	4.67E-07	2.13E-07	2.01E-07	0.00E+00	0.00E+00	9.25E-08	1.75E-08	1.11E-07	1.71E-08	1.56E-08	2.54E-07	2.62E-07	9.62E-08	1.31E-07	4.89E-08	2.62E-07	9.62E-08
957	490136.7	3861085	8.44E-04	8.65E-04	8.16E-04	2.92E-07	8.82E-07	5.11E-07	5.23E-07	4.74E-07	2.16E-07	2.04E-07	0.00E+00	0.00E+00	9.40E-08	1.78E-08	1.13E-07	1.74E-08	1.58E-08	2.58E-07	2.66E-07	9.77E-08	1.33E-07	4.97E-08	2.66E-07	9.77E-08
958	490186.7	3861085	8.59E-04	8.80E-04	8.30E-04	2.97E-07	8.98E-07	5.20E-07	5.32E-07	4.83E-07	2.20E-07	2.08E-07	0.00E+00	0.00E+00	9.56E-08	1.81E-08	1.15E-07	1.77E-08	1.61E-08	2.62E-07	2.71E-07	9.94E-08	1.35E-07	5.06E-08	2.71E-07	9.94E-08
959	490236.7	3861085	8.72E-04	8.93E-04	8.43E-04	3.02E-07	9.12E-07	5.28E-07	5.41E-07	4.90E-07	2.24E-07	2.11E-07	0.00E+00	0.00E+00	9.71E-08	1.83E-08	1.16E-07	1.80E-08	1.63E-08	2.66E-07	2.75E-07	1.01E-07	1.37E-07	5.13E-08	2.75E-07	1.01E-07
960	490286.7	3861085	8.87E-04	9.08E-04	8.57E-04	3.07E-07	9.27E-07	5.37E-07	5.50E-07	4.98E-07	2.27E-07	2.14E-07	0.00E+00	0.00E+00	9.87E-08	1.87E-08	1.18E-07	1.83E-08	1.66E-08	2.71E-07	2.80E-07	1.03E-07	1.40E-07	5.22E-08	2.80E-07	1.03E-07
961	490336.7	3861085	9.02E-04	9.24E-04	8.71E-04	3.12E-07	9.43E-07	5.46E-07	5.59E-07	5.07E-07	2.31E-07	2.18E-07	0.00E+00	0.00E+00	1.00E-07	1.90E-08	1.20E-07	1.86E-08	1.69E-08	2.75E-07	2.85E-07	1.04E-07	1.42E-07	5.31E-08	2.85E-07	1.04E-07
962	490386.7	3861085	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.23E-07	1.89E-08	1.72E-08	2.81E-07	2.90E-07	1.06E-07	1.45E-07	5.41E-08	2.90E-07	1.06E-07
963	490436.7	3861085	9.36E-04	9.58E-04	9.04E-04	3.24E-07	9.78E-07	5.66E-07	5.80E-07	5.26E-07	2.40E-07	2.26E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.93E-08	1.75E-08	2.86E-07	2.95E-07	1.08E-07	1.47E-07	5.51E-08	2.95E-07	1.08E-07
964	490486.7	3861085	9.55E-04	9.78E-04	9.23E-04	3.31E-07	9.98E-07	5.78E-07	5.92E-07	5.36E-07	2.45E-07	2.31E-07	0.00E+00	0.00E+00	1.06E-07	2.01E-08	1.27E-07	1.97E-08	1.79E-08	2.91E-07	3.01E-07	1.11E-07	1.50E-07	5.62E-08	3.01E-07	1.11E-07
965	490536.7	3861085	9.73E-04	9.96E-04	9.40E-04	3.37E-07	1.02E-06	5.88E-07	6.03E-07	5.46E-07	2.49E-07	2.35E-07	0.00E+00	0.00E+00	1.08E-07	2.05E-08	1.30E-07	2.00E-08	1.82E-08	2.97E-07	3.07E-07	1.13E-07	1.53E-07	5.73E-08	3.07E-07	1.13E-07
966	490586.7	3861085	9.92E-04	1.02E-03	9.58E-04	3.43E-07	1.04E-06	6.00E-07	6.15E-07	5.57E-07	2.54E-07	2.40E-07	0.00E+00	0.00E+00	1.10E-07	2.09E-08	1.32E-07	2.04E-08	1.86E-08	3.03E-07	3.13E-07	1.15E-07	1.56E-07	5.84E-08	3.13E-07	1.15E-07
967	490636.7	3861085	1.01E-03	1.04E-03	9.78E-04	3.50E-07	1.06E-06	6.13E-07	6.27E-07	5.69E-07	2.60E-07	2.45E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.08E-08	1.90E-08	3.09E-07	3.20E-07	1.17E-07	1.59E-07	5.96E-08	3.20E-07	1.17E-07
968	490686.7	3861085	1.03E-03	1.06E-03	9.98E-04	3.58E-07	1.08E-06	6.25E-07	6.40E-07	5.80E-07	2.65E-07	2.50E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.13E-08	1.93E-08	3.15E-07	3.26E-07	1.20E-07	1.63E-07	6.08E-08	3.26E-07	1.20E-07
969	490736.7	3861085	1.06E-03	1.08E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.54E-07	5.93E-07	2.70E-07	2.55E-07	0.00E+00	0.00E+00	1.17E-07	2.22E-08	1.41E-07	2.17E-08	1.98E-08	3.22E-07	3.33E-07	1.22E-07	1.66E-07	6.21E-08	3.33E-07	1.22E-07
970	490786.7	3861085	1.08E-03	1.10E-03	1.04E-03	3.73E-07	1.13E-06	6.53E-07	6.69E-07	6.06E-07	2.77E-07	2.61E-07	0.00E+00	0.00E+00	1.20E-07	2.27E-08	1.44E-07	2.22E-08	2.02E-08	3.29E-07	3.41E-07	1.25E-07	1.70E-07	6.35E-08	3.41E-07	1.25E-07
971	490836.7	3861085	1.10E-03	1.13E-03	1.07E-03	3.82E-07	1.15E-06	6.68E-07	6.84E-07	6.20E-07	2.83E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.07E-08	3.37E-07	3.48E-07	1.28E-07	1.74E-07	6.50E-08	3.48E-07	1.28E-07
972	490086.7	3861135	8.07E-04	8.27E-04	7.80E-04	2.79E-07	8.44E-07	4.88E-07	5.00E-07	4.54E-07	2.07E-07	1.95E-07	0.00E+00	0.00E+00	8.99E-08	1.70E-08	1.08E-07	1.66E-08	1.51E-08	2.46E-07	2.55E-07	9.35E-08	1.27E-07	4.75E-08	2.55E-07	9.35E-08
973	490136.7	3861135	8.19E-04	8.39E-04	7.91E-04	2.84E-07	8.56E-07	4.96E-07	5.08E-07	4.60E-07	2.10E-07	1.98E-07	0.00E+00	0.00E+00	9.12E-08	1.72E-08	1.09E-07	1.69E-08	1.53E-08	2.50E-07	2.59E-07	9.48E-08	1.29E-07	4.82E-08	2.59E-07	9.48E-08
974	490186.7	3861135	8.34E-04	8.54E-04	8.06E-04	2.89E-07	8.72E-07	5.05E-07	5.17E-07	4.68E-07	2.14E-07	2.02E-07	0.00E+00	0.00E+00	9.28E-08	1.75E-08	1.11E-07	1.72E-08	1.56E-08	2.54E-07	2.63E-07	9.65E-08	1.31E-07	4.91E-08	2.63E-07	9.65E-08
975	490236.7	3861135	8.47E-04	8.68E-04	8.18E-04	2.93E-07	8.85E-07	5.13E-07	5.25E-07	4.76E-07	2.17E-07	2.05E-07	0.00E+00	0.00E+00	9.43E-08	1.78E-08	1.13E-07	1.74E-08	1.59E-08	2.58E-07	2.67E-07	9.81E-08	1.33E-07	4.99E-08	2.67E-07	9.81E-08
976	490286.7	3861135	8.60E-04	8.81E-04	8.31E-04	2.98E-07	8.99E-07	5.21E-07	5.33E-07	4.83E-07	2.21E-07	2.08E-07	0.00E+00	0.00E+00	9.58E-08	1.81E-08	1.15E-07	1.77E-08	1.61E-08	2.63E-07	2.72E-07	9.96E-08	1.36E-07	5.07E-08	2.72E-07	9.96E-08
977	490336.7	3861135	8.75E-04	8.96E-04	8.46E-04	3.03E-07	9.15E-07	5.30E-07	5.42E-07	4.92E-07	2.24E-07	2.12E-07	0.00E+00	0.00E+00	9.74E-08	1.84E-08	1.17E-07	1.80E-08	1.64E-08	2.67E-07	2.76E-07	1.01E-07	1.38E-07	5.15E-08	2.76E-07	1.01E-07
978	490386.7	3861135	8.91E-04	9.13E-04	8.61E-04	3.09E-07	9.32E-07	5.39E-07	5.52E-07	5.01E-07	2.29E-07	2.16E-07	0.00E+00	0.00E+00	9.92E-08	1.88E-08	1.19E-07	1.83E-08	1.67E-08	2.72E-07	2.81E-07	1.03E-07	1.40E-07	5.25E-08	2.81E-07	1.03E-07
979	490436.7	3861135	9.06E-04	9.28E-04	8.75E-04	3.14E-07	9.47E-07	5.48E-07	5.62E-07	5.09E-07	2.32E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.70E-08	2.77E-07	2.86E-07	1.05E-07	1.43E-07	5.33E-08	2.86E-07	1.05E-07
980	490486.7	3861135	9.24E-04	9.46E-04	8.93E-04	3.20E-07	9.66E-07	5.59E-07	5.73E-07	5.19E-07	2.37E-07	2.23E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.73E-08	2.82E-07	2.92E-07	1.07E-07	1.46E-07	5.44E-08	2.92E-07	1.07E-07
981	490536.7	3861135	9.40E-04	9.63E-04	9.08E-04	3.25E-07	9.83E-07	5.69E-07	5.83E-07	5.28E-07	2.41E-07	2.27E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.25E-07	1.94E-08	1.76E-08	2.87E-07	2.97E-07	1.09E-07	1.48E-07	5.53E-08	2.97E-07	1.09E-07
982	490586.7	3861135	9.59E-04	9.83E-04	9.27E-04	3.32E-07	1.00E-06	5.80E-07	5.95E-07	5.39E-07	2.46E-07	2.32E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.97E-08	1.80E-08	2.93E-07	3.03E-07	1.11E-07	1.51E-07	5.65E-08	3.03E-07	1.11E-07
983	490636.7	3861135	9.77E-04	1.00E-03	9.44E-04	3.38E-07	1.02E-06	5.91E-07	6.05E-07	5.49E-07	2.50E-07	2.36E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.30E-07	2.01E-08	1.83E-08	2.98E-07	3.08E-07	1.13E-07	1.54E-07	5.75E-08	3.08E-07	1.13E-07
984	490686.7	3861135	9.96E-04	1.02E-03	9.62E-04	3.45E-07	1.04E-06	6.03E-07	6.17E-07	5.60E-07	2.55E-07	2.41E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.33E-07	2.05E-08	1.87E-08	3.04E-07	3.14E-07	1.15E-07	1.57E-07	5.86E-08	3.14E-07	1.15E-07
985	490736.7	3861135	1.02E-03	1.04E-03	9.82E-04	3.52E-07	1.06E-06	6.15E-07	6.30E-07	5.71E-07	2.61E-07	2.46E-07	0.00E+00	0.00E+00	1.13E-07	2.14E-08	1.36E-07	2.09E-08	1.90E-08	3.10E-07	3.21E-07	1.18E-07	1.60E-07	5.99E-08	3.21E-07	1.18E-07
986	490786.7	3861135	1.04E-03	1.06E-03	1.00E-03	3.60E-07	1.09E-06	6.29E-07	6.44E-07	5.84E-07	2.66E-07	2.51E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	1.95E-08	3.17E-07	3.28E-07	1.20E-07	1.64E-07	6.12E-08	3.28E-07	1.20E-07
987	490836.7	3861135	1.06E-03	1.09E-03	1.03E-03	3.68E-07	1.11E-06	6.43E-07	6.59E-07	5.97E-07	2.72E-07	2.57E-07	0.00E+00	0.00E+00	1.18E-07	2.24E-08	1.42E-07	2.19E-08	1.99E-08	3.24E-07	3.35E-07	1.23E-07	1.67E-07	6.26E-08	3.35E-07	1.23E-07
988	490086.7	3861185	7.85E-04	8.04E-04	7.59E-04	2.72E-07	8.21E-07	4.75E-07	4.87E-07	4.41E-07	2.01E-07	1.90E-07	0.00E+00	0.00E+00	8.74E-08	1.65E-08	1.05E-07	1.62E-08	1.47E-08	2.40E-07	2.48E-07	9.09E-08	1.24E-07	4.62E-08	2.48E-07	9.09E-08
989	490136.7	3861185	7.95E-04	8.15E-04	7.69E-04	2.75E-07	8.31E-07	4.81E-07	4.93E-07	4.47E-07	2.04E-07	1.92E-07	0.00E+00	0.00E+00	8.86E-08	1.67E-08	1.06E-07	1.64E-08	1.49E-08	2.43E-07	2.51E-07	9.21E-08	1.25E-07	4.68E-08	2.51E-07	9.21E-08
990	490186.7	3861185	8.09E-04	8.28E-04	7.81E-04	2.80E-07	8.45E-07	4.89E-07	5.01E-07	4.54E-07	2.07E-07	1.96E-07	0.00E+00	0.00E+00	9.00E-08	1.70E-08	1.08E-07	1.66E-08	1.51E-08	2.47E-07	2.55E-07	9.36E-08	1.27E-07	4.76E-08	2.55E-07	9.36E-08
991	490236.7	3861185	8.22E-04	8.42E-04	7.94E-04	2.85E-07	8.59E-07	4.97E-07	5.09E-07	4.62E-07	2.11E-07	1.99E-07	0.00E+00	0.00E+00	9.15E-08	1.73E-08	1.10E-07	1.69E-08	1.54E-08	2.51E-07	2.59E-07	9.52E-08	1.30E-07	4.84E-08	2.59E-07	9.52E-08
992	490286.7	3861185	8.35E-04	8.56E-04	8.07E-04	2.89E-07	8.73E-07	5.05E-07	5.18E-07	4.69E-07	2.14E-07	2.02E-07	0.00E+00	0.00E+00	9.30E-08	1.76E-08	1.12E-07	1.72E-08	1.56E-08	2.55E-07	2.64E-07	9.67E-08	1.32E-07	4.92E-08	2.64E-07	9.67E-08
993	490336.7	3861185	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	0.00E+00	0.00E+00	9.45E-08	1.79E-08	1.13E-07	1.75E-08	1.59E-08	2.59E-07	2.68E-07	9.82E-08	1.34E-07	5.00E-08	2.68E-07	9.82E-08
994	490386.7	3861185	8.63E-04	8.84E-04	8.34E-04	2.99E-07	9.02E-07	5.22E-07	5.35E-07	4.85E-07	2.21E-07	2.09E-07	0.00E+00	0.00E+00	9.61E-08	1.82E-08	1.15E-07	1.78E-08	1.62E-08	2.63E-07	2.72E-07	9.99E-08	1.36E-07	5.08E-08	2.72E-07	9.99E-08
995	490436.7	3861185	8.78E-04	8.99E-04	8.48E-04	3.04E-07	9.18E-07	5.31E-07	5.44E-07	4.93E-07	2.25E-07	2.12E-07	0.00E+00	0.00E+00	9.78E-08	1.85E-08	1.17E-07	1.81E-08	1.64E-08	2.68E-07	2.77E-07	1.02E-07	1.38E-07	5.17E-08	2.77E-07	1.02E-07
996	490486.7	3861185	8.94E-04	9.16E-04	8.64E-04	3.10E-07	9.35E-07	5.41E-07	5.54E-07	5.02E-07	2.29E-07	2.16E-07	0.00E+00	0.00E+00	9.96E-08	1.88E-08	1.19E-07	1.84E-08	1.67E-08	2.73E-07	2.82E-07	1.04E-07	1.41E-07	5.27E-08	2.82E-07	1.04E-07
997	490536.7	3861185	9.11E-04	9.33E-04	8.80E-04	3.15E-07	9.52E-07	5.51E-07	5.64E-07	5.12E-07	2.33E-07	2.20E-07	0.00E+00	0.00E+00	1.01E-07	1.92E-08	1.22E-07	1.87E-08	1.70E-08	2.78E-07	2.87E-07	1.05E-07	1.43E-07	5.36E-08	2.87E-07	1.05E-07
998	490586.7	3861185	9.28E-04	9.51E-04	8.97E-04	3.21E-07	9.70E-07	5.62E-07	5.75E-07	5.22E-07	2.38E-07	2.24E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.24E-07	1.91E-08	1.74E-08	2.83E-07	2.93E-07	1.07E-07	1.46E-07	5.46E-08	2.93E-07	1.07E-07
999	490636.7	3861185	9.45E-04	9.67E-04	9.13E-04	3.27E-07	9.87E-07	5.72E-07	5.85E-07	5.31E-07	2.42E-07	2.28E-07	0.00E+00	0.00E+00	1.05E-07	1.99E-08	1.26E-07	1.94E-08	1.77E-08	2.88E-07	2.98E-07	1.09E-07	1.49E-07	5.56E-08	2.98E-07	1.09E-07
1000	490686.7	3861185	9.62E-04	9.86E-04	9.30E-04	3.33E-07	1.01E-06	5.82E-07	5.96E-07	5.41E-07	2.47E-07	2.33E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.98E-08	1.80E-08	2.94E-07	3.04E-07	1.11E-07	1.52E-07	5.66E-08	3.04E-07	1.11E-07
1001	490736.7	3861185	9.83E-04	1.01E-03	9.50E-04	3.40E-07	1.03E-06	5.95E-07	6.09E-07	5.52E-07	2.52E-07	2.38E-07	0.00E+00	0.00E+00	1.09E-07	2.07E-08	1.31E-07	2.02E-08	1.84E-08	3.00E-07	3.10E-07	1.14E-07	1.55E-07	5.79E-08	3.10E-07	1.14E-07
1002	490786.7	3861185	1.00E-03	1.03E-03	9.68E-04	3.47E-07	1.05E-06	6.06E-07	6.21E-07	5.63E-07	2.57E-07	2.42E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.06E-08	1.88E-08	3.06E-07	3.16E-07	1.16E-07	1.58E-07	5.90E-08	3.16E-07	1.16E-07
1003	490836.7	3861185	1.02E-03	1.05E-03	9.90E-04	3.55E-07	1.07E-06	6.20E-07	6.35E-07	5.75E-07	2.63E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.37E-07	2.11E-08	1.92E-08	3.13E-07	3.23E-07	1.19E-07	1.61E-07	6.03E-08	3.23E-07	1.19E-07
1004	490086.7	3861235	7.63E-04	7.82E-04	7.37E-04	2.64E-07	7.98E-07	4.62E-07	4.73E-07	4.29E-07	1.96E-07	1.84E-07	0.00E+00	0.00E+00	8.49E-08	1.61E-08	1.02E-07	1.57E-08	1.43E-08	2.33E-07	2.41E-07	8.83E-08	1.20E-07	4.49E-08	2.41E-07	8.83E-08
1005	490136.7	3861235	7.75E-04	7.94E-04	7.49E-04	2.68E-07	8.10E-07	4.69E-07	4.80E-07	4.35E-07	1.99E-07	1.87E-07	0.00E+00	0.00E+00	8.63E-08	1.63E-08	1.03E-07	1.59E-08	1.45E-08	2.36E-07	2.45E-07	8.97E-08	1.22E-07	4.56E-08	2.45E-07	8.97E-08
1006	490186.7	3861235	7.87E-04	8.06E-04	7.60E-04	2.72E-07	8.22E-07	4.76E-07	4.88E-07	4.42E-07	2.02E-07	1.90E-07	0.00E+00	0.00E+00	8.76E-08	1.65E-08	1.05E-07	1.62E-08	1.47E-08	2.40E-07	2.48E-07	9.11E-08	1.24E-07	4.63E-08	2.48E-07	9.11E-08
1007	490236.7	3861235	7.98E-04	8.18E-04	7.71E-04	2.76E-07	8.35E-07	4.83E-07	4.95E-07	4.49E-07	2.05E-07	1.93E-07	0.00E+00	0.00E+00	8.89E-08	1.68E-08	1.07E-07	1.64E-08	1.49E-08	2.44E-07	2.52E-07	9.24E-08	1.26E-07	4.70E-08	2.52E-07	9.24E-08
1008	490386.7	3861235	8.37E-04	8.57E-04	8.08E-04	2.90E-07	8.75E-07	5.06E-07	5.19E-07	4.70E-07	2.15E-07	2.02E-07	0.00E+00	0.00E+00	9.32E-08	1.76E-08	1.12E-07	1.72E-08	1.57E-08	2.55E-07	2.64E-07	9.69E-08	1.32E-07	4.93E-08	2.64E-07	9.69E-08
1009	490436.7	3861235	8.52E-04	8.72E-04	8.23E-04	2.95E-07	8.90E-07	5.15E-07	5.28E-07	4.78E-07	2.18E-07	2.06E-07	0.00E+00	0.00E+00	9.48E-08	1.79E-08	1.14E-07	1.75E-08	1.59E-08	2.60E-07	2.69E-07	9.86E-08	1.34E-07	5.01E-08	2.69E-07	9.86E-08
1010	490486.7	3861235	8.66E-04	8.87E-04	8.37E-04	3.00E-07	9.06E-07	5.24E-07	5.37E-07	4.87E-07	2.22E-07	2.09E-07	0.00E+00	0.00E+00	9.64E-08	1.82E-08	1.16E-07	1.78E-08	1.62E-08	2.64E-07	2.73E-07	1.00E-07	1.36E-07	5.10E-08	2.73E-07	1.00E-07
1011	490536.7	3861235	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	0.00E+00	0.00E+00	9.82E-08	1.86E-08	1.18E-07	1.82E-08	1.65E-08	2.69E-07	2.79E-07	1.02E-07	1.39E-07	5.20E-08	2.79E-07	1.02E-07
1012	490586.7	3861235	8.99E-04	9.21E-04	8.68E-04	3.11E-07	9.39E-07	5.44E-07	5.57E-07	5.05E-07	2.30E-07	2.17E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.68E-08	2.74E-07	2.84E-07	1.04E-07	1.42E-07	5.29E-08	2.84E-07	1.04E-07
1013	490636.7	3861235	9.14E-04	9.36E-04	8.83E-04	3.16E-07	9.55E-07	5.53E-07	5.66E-07	5.13E-07	2.34E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.71E-08	2.79E-07	2.88E-07	1.06E-07	1.44E-07	5.38E-08	2.88E-07	1.06E-07
1014	490686.7	3861235	9.31E-04	9.54E-04	9.00E-04	3.22E-07	9.73E-07	5.63E-07	5.77E-07	5.23E-07	2.39E-07	2.25E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.74E-08	2.84E-07	2.94E-07	1.08E-07	1.47E-07	5.48E-08	2.94E-07	1.08E-07
1015	490736.7	3861235	9.49E-04	9.72E-04	9.17E-04	3.29E-07	9.92E-07	5.74E-07	5.88E-07	5.33E-07	2.43E-07	2.29E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.95E-08	1.78E-08	2.90E-07	3.00E-07	1.10E-07	1.49E-07	5.59E-08	3.00E-07	1.10E-07
1016	490786.7	3861235	9.68E-04	9.92E-04	9.35E-04	3.35E-07	1.01E-06	5.86E-07	6.00E-07	5.44E-07	2.48E-07	2.34E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.29E-07	1.99E-08	1.81E-08	2.95E-07	3.06E-07	1.12E-07	1.53E-07	5.70E-08	3.06E-07	1.12E-07
1017	490836.7	3861235	9.89E-04	1.01E-03	9.55E-04	3.42E-07	1.03E-06	5.98E-07	6.13E-07	5.56E-07	2.53E-07	2.39E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.04E-08	1.85E-08	3.02E-07	3.12E-07	1.14E-07	1.56E-07	5.82E-08	3.12E-07	1.14E-07
1018	490086.7	3861285	7.44E-04	7.62E-04	7.19E-04	2.57E-07	7.77E-07	4.50E-07	4.61E-07	4.18E-07	1.91E-07	1.80E-07	0.00E+00	0.00E+00	8.28E-08	1.56E-08	9.93E-08	1.53E-08	1.39E-08	2.27E-07	2.35E-07	8.61E-08	1.17E-07	4.38E-08	2.35E-07	8.61E-08
1019	490136.7	3861285	7.54E-04	7.72E-04	7.29E-04	2.61E-07	7.88E-07	4.56E-07	4.67E-07	4.24E-07	1.93E-07	1.82E-07	0.00E+00	0.00E+00	8.40E-08	1.59E-08	1.01E-07	1.55E-08	1.41E-08	2.30E-07	2.38E-07	8.73E-08	1.19E-07	4.44E-08	2.38E-07	8.73E-08
1020	490186.7	3861285	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	0.00E+00	0.00E+00	8.51E-08	1.61E-08	1.02E-07	1.57E-08	1.43E-08	2.33E-07	2.41E-07	8.85E-08	1.20E-07	4.50E-08	2.41E-07	8.85E-08
1021	490236.7	3861285	7.76E-04	7.95E-04	7.50E-04	2.69E-07	8.11E-07	4.70E-07	4.81E-07	4.36E-07	1.99E-07	1.88E-07	0.00E+00	0.00E+00	8.64E-08	1.63E-08	1.04E-07	1.60E-08	1.45E-08	2.37E-07	2.45E-07	8.99E-08	1.22E-07	4.57E-08	2.45E-07	8.99E-08
1022	490386.7	3861285	8.13E-04	8.33E-04	7.86E-04	2.82E-07	8.50E-07	4.92E-07	5.04E-07	4.57E-07	2.08E-07	1.97E-07	0.00E+00	0.00E+00	9.05E-08	1.71E-08	1.09E-07	1.67E-08	1.52E-08	2.48E-07	2.57E-07	9.41E-08	1.28E-07	4.79E-08	2.57E-07	9.41E-08
1023	490436.7	3861285	8.26E-04	8.47E-04	7.98E-04	2.86E-07	8.64E-07	5.00E-07	5.12E-07	4.64E-07	2.12E-07	2.00E-07	0.00E+00	0.00E+00	9.20E-08	1.74E-08	1.10E-07	1.70E-08	1.55E-08	2.52E-07	2.61E-07	9.57E-08	1.30E-07	4.87E-08	2.61E-07	9.57E-08
1024	490486.7	3861285	8.40E-04	8.60E-04	8.11E-04	2.91E-07	8.78E-07	5.08E-07	5.20E-07	4.72E-07	2.15E-07	2.03E-07	0.00E+00	0.00E+00	9.35E-08	1.77E-08	1.12E-07	1.73E-08	1.57E-08	2.56E-07	2.65E-07	9.72E-08	1.32E-07	4.94E-08	2.65E-07	9.72E-08
1025	490536.7	3861285	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	0.00E+00	0.00E+00	9.51E-08	1.80E-08	1.14E-07	1.76E-08	1.60E-08	2.61E-07	2.70E-07	9.89E-08	1.35E-07	5.03E-08	2.70E-07	9.89E-08
1026	490586.7	3861285	8.71E-04	8.92E-04	8.41E-04	3.01E-07	9.10E-07	5.27E-07	5.40E-07	4.89E-07	2.23E-07	2.11E-07	0.00E+00	0.00E+00	9.69E-08	1.83E-08	1.16E-07	1.79E-08	1.63E-08	2.66E-07	2.75E-07	1.01E-07	1.37E-07	5.13E-08	2.75E-07	1.01E-07
1027	490636.7	3861285	8.86E-04	9.07E-04	8.56E-04	3.07E-07	9.26E-07	5.36E-07	5.49E-07	4.97E-07	2.27E-07	2.14E-07	0.00E+00	0.00E+00	9.86E-08	1.86E-08	1.18E-07	1.82E-08	1.66E-08	2.70E-07	2.79E-07	1.03E-07	1.40E-07	5.21E-08	2.79E-07	1.03E-07
1028	490686.7	3861285	9.00E-04	9.22E-04	8.70E-04	3.12E-07	9.41E-07	5.45E-07	5.58E-07	5.06E-07	2.31E-07	2.18E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.69E-08	2.75E-07	2.84E-07	1.04E-07	1.42E-07	5.30E-08	2.84E-07	1.04E-07
1029	490736.7	3861285	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.23E-07	1.89E-08	1.72E-08	2.81E-07	2.90E-07	1.06E-07	1.45E-07	5.41E-08	2.90E-07	1.06E-07

1030	490786.7	3861285	9.36E-04	9.58E-04	9.04E-04	3.24E-07	9.78E-07	5.66E-07	5.80E-07	5.26E-07	2.40E-07	2.26E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.93E-08	1.75E-08	2.86E-07	2.95E-07	1.08E-07	1.47E-07	5.51E-08	2.95E-07	1.08E-07
1031	490836.7	3861285	9.53E-04	9.77E-04	9.21E-04	3.30E-07	9.97E-07	5.77E-07	5.91E-07	5.36E-07	2.44E-07	2.31E-07	0.00E+00	0.00E+00	1.06E-07	2.01E-08	1.27E-07	1.96E-08	1.79E-08	2.91E-07	3.01E-07	1.10E-07	1.50E-07	5.61E-08	3.01E-07	1.10E-07
1032	490061.2	3859716	8.06E-03	8.25E-03	7.78E-03	2.79E-06	8.42E-06	4.87E-06	4.99E-06	4.53E-06	2.07E-06	1.95E-06	0.00E+00	0.00E+00	8.97E-07	1.69E-07	1.08E-06	1.66E-07	1.51E-07	2.46E-06	2.54E-06	9.33E-07	1.27E-06	4.74E-07	2.54E-06	9.33E-07
1033	490111.2	3859716	9.76E-03	1.00E-02	9.43E-03	3.38E-06	1.02E-05	5.91E-06	6.05E-06	5.49E-06	2.50E-06	2.36E-06	0.00E+00	0.00E+00	1.09E-06	2.05E-07	1.30E-06	2.01E-07	1.83E-07	2.98E-06	3.08E-06	1.13E-06	1.54E-06	5.75E-07	3.08E-06	1.13E-06
1034	490161.2	3859716	1.22E-02	1.25E-02	1.18E-02	4.23E-06	1.28E-05	7.40E-06	7.58E-06	6.87E-06	3.14E-06	2.96E-06	0.00E+00	0.00E+00	1.36E-06	2.57E-07	1.63E-06	2.52E-07	2.29E-07	3.73E-06	3.86E-06	1.42E-06	1.93E-06	7.20E-07	3.86E-06	1.42E-06
1035	490211.2	3859716	1.60E-02	1.64E-02	1.54E-02	5.53E-06	1.67E-05	9.67E-06	9.90E-06	8.97E-06	4.09E-06	3.86E-06	0.00E+00	0.00E+00	1.78E-06	3.36E-07	2.13E-06	3.29E-07	2.99E-07	4.87E-06	5.04E-06	1.85E-06	2.52E-06	9.40E-07	5.04E-06	1.85E-06
1036	490061.2	3859766	5.67E-03	5.81E-03	5.48E-03	1.96E-06	5.93E-06	3.43E-06	3.51E-06	3.18E-06	1.45E-06	1.37E-06	0.00E+00	0.00E+00	6.31E-07	1.19E-07	7.57E-07	1.17E-07	1.06E-07	1.73E-06	1.79E-06	6.56E-07	8.93E-07	3.34E-07	1.79E-06	6.56E-07
1037	490111.2	3859766	6.46E-03	6.62E-03	6.24E-03	2.24E-06	6.75E-06	3.91E-06	4.00E-06	3.63E-06	1.66E-06	1.56E-06	0.00E+00	0.00E+00	7.19E-07	1.36E-07	8.62E-07	1.33E-07	1.21E-07	1.97E-06	2.04E-06	7.48E-07	1.02E-06	3.80E-07	2.04E-06	7.48E-07
1038	490161.2	3859766	7.48E-03	7.66E-03	7.22E-03	2.59E-06	7.81E-06	4.52E-06	4.63E-06	4.20E-06	1.92E-06	1.81E-06	0.00E+00	0.00E+00	8.32E-07	1.57E-07	9.98E-07	1.54E-07	1.40E-07	2.28E-06	2.36E-06	8.65E-07	1.18E-06	4.40E-07	2.36E-06	8.65E-07
1039	490211.2	3859766	8.86E-03	9.07E-03	8.56E-03	3.07E-06	9.26E-06	5.36E-06	5.49E-06	4.98E-06	2.27E-06	2.14E-06	0.00E+00	0.00E+00	9.86E-07	1.86E-07	1.18E-06	1.82E-07	1.66E-07	2.70E-06	2.80E-06	1.03E-06	1.40E-06	5.22E-07	2.80E-06	1.03E-06
1040	490061.2	3859816	4.38E-03	4.49E-03	4.23E-03	1.52E-06	4.58E-06	2.65E-06	2.72E-06	2.46E-06	1.12E-06	1.06E-06	0.00E+00	0.00E+00	4.88E-07	9.22E-08	5.85E-07	9.02E-08	8.20E-08	1.34E-06	1.38E-06	5.07E-07	6.90E-07	2.58E-07	1.38E-06	5.07E-07
1041	490111.2	3859816	4.83E-03	4.95E-03	4.67E-03	1.67E-06	5.05E-06	2.92E-06	2.99E-06	2.71E-06	1.24E-06	1.17E-06	0.00E+00	0.00E+00	5.38E-07	1.02E-07	6.45E-07	9.94E-08	9.04E-08	1.47E-06	1.52E-06	5.59E-07	7.61E-07	2.84E-07	1.52E-06	5.59E-07
1042	490161.2	3859816	5.38E-03	5.51E-03	5.19E-03	1.86E-06	5.62E-06	3.25E-06	3.33E-06	3.02E-06	1.38E-06	1.30E-06	0.00E+00	0.00E+00	5.98E-07	1.13E-07	7.18E-07	1.11E-07	1.01E-07	1.64E-06	1.70E-06	6.22E-07	8.47E-07	3.17E-07	1.70E-06	6.22E-07
1043	490211.2	3859816	6.05E-03	6.20E-03	5.85E-03	2.09E-06	6.32E-06	3.66E-06	3.75E-06	3.40E-06	1.55E-06	1.46E-06	0.00E+00	0.00E+00	6.74E-07	1.27E-07	8.08E-07	1.25E-07	1.13E-07	1.85E-06	1.91E-06	7.00E-07	9.53E-07	3.56E-07	1.91E-06	7.00E-07
1044	490061.2	3859866	3.59E-03	3.67E-03	3.46E-03	1.24E-06	3.75E-06	2.17E-06	2.22E-06	2.01E-06	9.19E-07	8.67E-07	0.00E+00	0.00E+00	3.99E-07	7.54E-08	4.79E-07	7.38E-08	6.71E-08	1.09E-06	1.13E-06	4.15E-07	5.65E-07	2.11E-07	1.13E-06	4.15E-07
1045	490111.2	3859866	3.88E-03	3.97E-03	3.74E-03	1.34E-06	4.05E-06	2.35E-06	2.40E-06	2.18E-06	9.93E-07	9.37E-07	0.00E+00	0.00E+00	4.31E-07	8.15E-08	5.17E-07	7.98E-08	7.26E-08	1.18E-06	1.22E-06	4.49E-07	6.11E-07	2.28E-07	1.22E-06	4.49E-07
1046	490161.2	3859866	4.22E-03	4.32E-03	4.07E-03	1.46E-06	4.41E-06	2.55E-06	2.61E-06	2.37E-06	1.08E-06	1.02E-06	0.00E+00	0.00E+00	4.69E-07	8.87E-08	5.63E-07	8.68E-08	7.89E-08	1.29E-06	1.33E-06	4.88E-07	6.64E-07	2.48E-07	1.33E-06	4.88E-07
1047	490211.2	3859866	4.62E-03	4.73E-03	4.46E-03	1.60E-06	4.83E-06	2.79E-06	2.86E-06	2.59E-06	1.18E-06	1.12E-06	0.00E+00	0.00E+00	5.14E-07	9.71E-08	6.16E-07	9.51E-08	8.65E-08	1.41E-06	1.46E-06	5.35E-07	7.27E-07	2.72E-07	1.46E-06	5.35E-07
1048	490061.2	3859916	3.05E-03	3.12E-03	2.94E-03	1.05E-06	3.18E-06	1.84E-06	1.89E-06	1.71E-06	7.81E-07	7.37E-07	0.00E+00	0.00E+00	3.39E-07	6.41E-08	4.07E-07	6.27E-08	5.70E-08	9.30E-07	9.61E-07	3.53E-07	4.80E-07	1.79E-07	9.61E-07	3.53E-07
1049	490111.2	3859916	3.25E-03	3.33E-03	3.14E-03	1.13E-06	3.40E-06	1.97E-06	2.01E-06	1.83E-06	8.33E-07	7.86E-07	0.00E+00	0.00E+00	3.62E-07	6.84E-08	4.34E-07	6.69E-08	6.09E-08	9.92E-07	1.03E-06	3.76E-07	5.12E-07	1.91E-07	1.03E-06	3.76E-07
1050	490161.2	3859916	3.48E-03	3.57E-03	3.36E-03	1.21E-06	3.64E-06	2.11E-06	2.16E-06	1.96E-06	8.92E-07	8.42E-07	0.00E+00	0.00E+00	3.88E-07	7.32E-08	4.65E-07	7.17E-08	6.52E-08	1.06E-06	1.10E-06	4.03E-07	5.48E-07	2.05E-07	1.10E-06	4.03E-07
1051	490211.2	3859916	3.74E-03	3.83E-03	3.62E-03	1.30E-06	3.91E-06	2.26E-06	2.32E-06	2.10E-06	9.59E-07	9.05E-07	0.00E+00	0.00E+00	4.17E-07	7.87E-08	5.00E-07	7.70E-08	7.01E-08	1.14E-06	1.18E-06	4.33E-07	5.90E-07	2.20E-07	1.18E-06	4.33E-07
1052	490229.3	3859815	6.38E-03	6.54E-03	6.17E-03	2.21E-06	6.67E-06	3.86E-06	3.96E-06	3.59E-06	1.64E-06	1.54E-06	0.00E+00	0.00E+00	7.11E-07	1.34E-07	8.52E-07	1.31E-07	1.20E-07	1.95E-06	2.02E-06	7.39E-07	1.01E-06	3.76E-07	2.02E-06	7.39E-07
1053	490279.3	3859815	7.34E-03	7.52E-03	7.10E-03	2.54E-06	7.68E-06	4.44E-06	4.55E-06	4.13E-06	1.88E-06	1.78E-06	0.00E+00	0.00E+00	8.17E-07	1.54E-07	9.80E-07	1.51E-07	1.37E-07	2.24E-06	2.32E-06	8.50E-07	1.16E-06	4.32E-07	2.32E-06	8.50E-07
1054	490329.3	3859815	8.62E-03	8.83E-03	8.33E-03	2.98E-06	9.01E-06	5.21E-06	5.34E-06	4.84E-06	2.21E-06	2.08E-06	0.00E+00	0.00E+00	9.59E-07	1.81E-07	1.15E-06	1.77E-07	1.61E-07	2.63E-06	2.72E-06	9.98E-07	1.36E-06	5.07E-07	2.72E-06	9.98E-07
1055	490379.3	3859815	1.05E-02	1.07E-02	1.01E-02	3.63E-06	1.10E-05	6.34E-06	6.49E-06	5.89E-06	2.69E-06	2.53E-06	0.00E+00	0.00E+00	1.17E-06	2.20E-07	1.40E-06	2.16E-07	1.96E-07	3.20E-06	3.31E-06	1.21E-06	1.65E-06	6.17E-07	3.31E-06	1.21E-06
1056	490429.3	3859815	1.34E-02	1.37E-02	1.29E-02	4.63E-06	1.40E-05	8.09E-06	8.28E-06	7.51E-06	3.43E-06	3.23E-06	0.00E+00	0.00E+00	1.49E-06	2.81E-07	1.78E-06	2.75E-07	2.50E-07	4.08E-06	4.22E-06	1.55E-06	2.11E-06	7.87E-07	4.22E-06	1.55E-06
1057	490229.3	3859865	4.80E-03	4.92E-03	4.64E-03	1.66E-06	5.02E-06	2.91E-06	2.98E-06	2.70E-06	1.23E-06	1.16E-06	0.00E+00	0.00E+00	5.35E-07	1.01E-07	6.41E-07	9.89E-08	8.99E-08	1.47E-06	1.52E-06	5.56E-07	7.57E-07	2.83E-07	1.52E-06	5.56E-07
1058	490279.3	3859865	5.32E-03	5.45E-03	5.14E-03	1.84E-06	5.56E-06	3.22E-06	3.30E-06	2.99E-06	1.36E-06	1.29E-06	0.00E+00	0.00E+00	5.92E-07	1.12E-07	7.10E-07	1.09E-07	9.96E-08	1.62E-06	1.68E-06	6.16E-07	8.38E-07	3.13E-07	1.68E-06	6.16E-07
1059	490329.3	3859865	5.96E-03	6.10E-03	5.76E-03	2.06E-06	6.23E-06	3.61E-06	3.69E-06	3.35E-06	1.53E-06	1.44E-06	0.00E+00	0.00E+00	6.63E-07	1.25E-07	7.95E-07	1.23E-07	1.12E-07	1.82E-06	1.88E-06	6.90E-07	9.39E-07	3.51E-07	1.88E-06	6.90E-07
1060	490379.3	3859865	6.79E-03	6.96E-03	6.56E-03	2.35E-06	7.10E-06	4.11E-06	4.21E-06	3.82E-06	1.74E-06	1.64E-06	0.00E+00	0.00E+00	7.56E-07	1.43E-07	9.07E-07	1.40E-07	1.27E-07	2.07E-06	2.14E-06	7.86E-07	1.07E-06	4.00E-07	2.14E-06	7.86E-07
1061	490429.3	3859865	7.90E-03	8.09E-03	7.64E-03	2.74E-06	8.26E-06	4.78E-06	4.90E-06	4.44E-06	2.03E-06	1.91E-06	0.00E+00	0.00E+00	8.80E-07	1.66E-07	1.05E-06	1.63E-07	1.48E-07	2.41E-06	2.49E-06	9.15E-07	1.25E-06	4.65E-07	2.49E-06	9.15E-07
1062	490229.3	3859915	3.86E-03	3.96E-03	3.73E-03	1.34E-06	4.04E-06	2.34E-06	2.39E-06	2.17E-06	9.90E-07	9.34E-07	0.00E+00	0.00E+00	4.30E-07	8.12E-08	5.16E-07	7.95E-08	7.23E-08	1.18E-06	1.22E-06	4.47E-07	6.08E-07	2.27E-07	1.22E-06	4.47E-07
1063	490279.3	3859915	4.18E-03	4.28E-03	4.04E-03	1.45E-06	4.37E-06	2.53E-06	2.59E-06	2.35E-06	1.07E-06	1.01E-06	0.00E+00	0.00E+00	4.65E-07	8.79E-08	5.58E-07	8.60E-08	7.83E-08	1.28E-06	1.32E-06	4.84E-07	6.58E-07	2.46E-07	1.32E-06	4.84E-07
1064	490329.3	3859915	4.56E-03	4.67E-03	4.41E-03	1.58E-06	4.77E-06	2.76E-06	2.83E-06	2.56E-06	1.17E-06	1.10E-06	0.00E+00	0.00E+00	5.08E-07	9.60E-08	6.09E-07	9.39E-08	8.54E-08	1.39E-06	1.44E-06	5.28E-07	7.19E-07	2.69E-07	1.44E-06	5.28E-07
1065	490379.3	3859915	5.03E-03	5.15E-03	4.86E-03	1.74E-06	5.26E-06	3.04E-06	3.12E-06	2.82E-06	1.29E-06	1.22E-06	0.00E+00	0.00E+00	5.60E-07	1.06E-07	6.71E-07	1.04E-07	9.41E-08	1.53E-06	1.59E-06	5.82E-07	7.92E-07	2.96E-07	1.59E-06	5.82E-07
1066	490429.3	3859915	5.60E-03	5.73E-03	5.41E-03	1.94E-06	5.85E-06	3.39E-06	3.47E-06	3.14E-06	1.43E-06	1.35E-06	0.00E+00	0.00E+00	6.23E-07	1.18E-07	7.47E-07	1.15E-07	1.05E-07	1.71E-06	1.77E-06	6.48E-07	8.82E-07	3.29E-07	1.77E-06	6.48E-07
1067	490451.4	3859873	7.99E-03	8.18E-03	7.72E-03	2.76E-06	8.35E-06	4.83E-06	4.95E-06	4.49E-06	2.05E-06	1.93E-06	0.00E+00	0.00E+00	8.89E-07	1.68E-07	1.07E-06	1.64E-07	1.50E-07	2.44E-06	2.52E-06	9.24E-07	1.26E-06	4.70E-07	2.52E-06	9.24E-07
1068	490501.4	3859873	9.60E-03	9.83E-03	9.27E-03	3.32E-06	1.00E-05	5.81E-06	5.95E-06	5.39E-06	2.46E-06	2.32E-06	0.00E+00	0.00E+00	1.07E-06	2.02E-07	1.28E-06	1.98E-07	1.80E-07	2.93E-06	3.03E-06	1.11E-06	1.51E-06	5.65E-07	3.03E-06	1.11E-06
1069	490551.4	3859873	1.21E-02	1.24E-02	1.17E-02	4.19E-06	1.26E-05	7.32E-06	7.50E-06	6.80E-06	3.10E-06	2.92E-06	0.00E+00	0.00E+00	1.35E-06	2.54E-07	1.61E-06	2.49E-07	2.26E-07	3.69E-06	3.82E-06	1.40E-06	1.91E-06	7.12E-07	3.82E-06	1.40E-06
1070	490601.4	3859873	1.61E-02	1.65E-02	1.55E-02	5.56E-06	1.68E-05	9.72E-06	9.96E-06	9.03E-06	4.12E-06	3.89E-06	0.00E+00	0.00E+00	1.79E-06	3.38E-07	2.15E-06	3.31E-07	3.01E-07	4.90E-06	5.07E-06	1.86E-06	2.53E-06	9.46E-07	5.07E-06	1.86E-06
1071	490451.4	3859923	5.64E-03	5.78E-03	5.45E-03	1.95E-06	5.90E-06	3.41E-06	3.50E-06	3.17E-06	1.45E-06	1.36E-06	0.00E+00	0.00E+00	6.28E-07	1.19E-07	7.53E-07	1.16E-07	1.06E-07	1.72E-06	1.78E-06	6.53E-07	8.89E-07	3.32E-07	1.78E-06	6.53E-07
1072	490501.4	3859923	6.39E-03	6.55E-03	6.18E-03	2.21E-06	6.68E-06	3.87E-06	3.96E-06	3.59E-06	1.64E-06	1.55E-06	0.00E+00	0.00E+00	7.12E-07	1.34E-07	8.53E-07	1.32E-07	1.20E-07	1.95E-06	2.02E-06	7.40E-07	1.01E-06	3.76E-07	2.02E-06	7.40E-07
1073	490551.4	3859923	7.42E-03	7.60E-03	7.17E-03	2.57E-06	7.75E-06	4.49E-06	4.60E-06	4.17E-06	1.90E-06	1.79E-06	0.00E+00	0.00E+00	8.26E-07	1.56E-07	9.90E-07	1.53E-07	1.39E-07	2.26E-06	2.34E-06	8.59E-07	1.17E-06	4.37E-07	2.34E-06	8.59E-07
1074	490601.4	3859923	8.85E-03	9.07E-03	8.55E-03	3.06E-06	9.25E-06	5.36E-06	5.49E-06	4.97E-06	2.27E-06	2.14E-06	0.00E+00	0.00E+00	9.86E-07	1.86E-07	1.18E-06	1.82E-07	1.66E-07	2.70E-06	2.79E-06	1.02E-06	1.39E-06	5.21E-07	2.79E-06	1.02E-06
1075	482129.7	3852241	1.05E-02	1.08E-02	1.02E-02	3.65E-06	1.10E-05	6.38E-06	6.53E-06	5.92E-06	2.70E-06	2.55E-06	0.00E+00	0.00E+00	1.17E-06	2.22E-07	1.41E-06	2.17E-07	1.97E-07	3.22E-06	3.33E-06	1.22E-06	1.66E-06	6.20E-07	3.33E-06	1.22E-06
1076	482029.7	3852291	1.97E-02	2.01E-02	1.90E-02	6.81E-06	2.06E-05	1.19E-05	1.22E-05	1.11E-05	5.04E-06	4.76E-06	0.00E+00	0.00E+00	2.19E-06	4.14E-07	2.63E-06	4.05E-07	3.68E-07	6.00E-06	6.21E-06	2.28E-06	3.10E-06	1.16E-06	6.21E-06	2.28E-06
1077	482079.7	3852291	1.53E-02	1.56E-02	1.47E-02	5.28E-06	1.59E-05	9.23E-06	9.45E-06	8.57E-06	3.91E-06	3.69E-06	0.00E+00	0.00E+00	1.70E-06	3.21E-07	2.04E-06	3.14E-07	2.86E-07	4.66E-06	4.82E-06	1.77E-06	2.40E-06	8.98E-07	4.82E-06	1.77E-06
1078	482129.7	3852291	1.24E-02	1.27E-02	1.20E-02	4.29E-06	1.30E-05	7.50E-06	7.68E-06	6.97E-06	3.18E-06	3.00E-06	0.00E+00	0.00E+00	1.38E-06	2.61E-07	1.66E-06	2.55E-07	2.32E-07	3.78E-06	3.91E-06	1.44E-06	1.95E-06	7.30E-07	3.91E-06	1.44E-06
1079	482179.7	3852291	1.03E-02	1.06E-02	9.97E-03	3.57E-06	1.08E-05	6.24E-06	6.39E-06	5.80E-06	2.64E-06	2.49E-06	0.00E+00	0.00E+00	1.15E-06	2.17E-07	1.38E-06	2.12E-07	1.93E-07	3.15E-06	3.26E-06	1.19E-06	1.63E-06	6.07E-07	3.26E-06	1.19E-06
1080	482229.7	3852291	8.73E-03	8.94E-03	8.44E-03	3.02E-06	9.13E-06	5.28E-06	5.41E-06	4.91E-06	2.24E-06	2.11E-06	0.00E+00	0.00E+00	9.72E-07	1.84E-07	1.17E-06	1.80E-07	1.63E-07	2.66E-06	2.76E-06	1.01E-06	1.38E-06	5.14E-07	2.76E-06	1.01E-06
1081	482029.7	3852341	2.71E-02	2.78E-02	2.62E-02	9.39E-06	2.84E-05	1.64E-05	1.68E-05	1.52E-05	6.96E-06	6.56E-06	0.00E+00	0.00E+00	3.02E-06	5.71E-07	3.62E-06	5.58E-07	5.08E-07	8.28E-06	8.56E-06	3.14E-06	4.27E-06	1.60E-06	8.56E-06	3.14E-06
1082	482079.7	3852341	1.95E-02	2.00E-02	1.88E-02	6.75E-06	2.04E-05	1.18E-05	1.21E-05	1.10E-05	5.00E-06	4.71E-06	0.00E+00	0.00E+00	2.17E-06	4.10E-07	2.60E-06	4.01E-07	3.65E-07	5.95E-06	6.15E-06	2.26E-06	3.07E-06	1.15E-06	6.15E-06	2.26E-06
1083	482129.7	3852341	1.51E-02	1.55E-02	1.46E-02	5.24E-06	1.58E-05	9.16E-06	9.38E-06	8.50E-06	3.88E-06	3.66E-06	0.00E+00	0.00E+00	1.68E-06	3.18E-07	2.02E-06	3.12E-07	2.83E-07	4.62E-06	4.78E-06	1.75E-06	2.38E-06	8.91E-07	4.78E-06	1.75E-06
1084	482179.7	3852341	1.23E-02	1.26E-02	1.18E-02	4.24E-06	1.28E-05	7.42E-06	7.60E-06	6.88E-06	3.14E-06	2.96E-06	0.00E+00	0.00E+00	1.36E-06	2.58E-07	1.64E-06	2.52E-07	2.29E-07	3.74E-06	3.87E-06	1.42E-06	1.93E-06	7.21E-07	3.87E-06	1.42E-06
1085	482259.1	3852400	1.16E-02	1.18E-02	1.12E-02	4.00E-06	1.21E-05	7.00E-06	7.17E-06	6.50E-06	2.96E-06	2.80E-06	0.00E+00	0.00E+00	1.29E-06	2.43E-07	1.54E-06	2.38E-07	2.16E-07	3.53E-06	3.65E-06	1.34E-06	1.82E-06	6.81E-07	3.65E-06	1.34E-06
1086	482309.1	3852400	9.55E-03	9.79E-03	9.23E-03	3.31E-06	9.99E-06	5.78E-06	5.92E-06	5.37E-06	2.45E-06	2.31E-06	0.00E+00	0.00E+00	1.06E-06	2.01E-07	1.28E-06	1.97E-07	1.79E-07	2.92E-06	3.02E-06	1.11E-06	1.51E-06	5.62E-07	3.02E-06	1.11E-06
1087	482209.1	3852450	1.73E-02	1.77E-02	1.67E-02	6.00E-06	1.81E-05	1.05E-05	1.07E-05	9.73E-06	4.44E-06	4.19E-06	0.00E+00	0.00E+00	1.93E-06	3.64E-07	2.31E-06	3.56E-07	3.24E-07	5.28E-06	5.47E-06	2.00E-06	2.73E-06	1.02E-06	5.47E-06	2.00E-06
1088	482259.1	3852450	1.38E-02	1.41E-02	1.33E-02	4.78E-06	1.44E-05	8.35E-06	8.56E-06	7.76E-06	3.54E-06	3.34E-06	0.00E+00	0.00E+00	1.54E-06	2.90E-07	1.84E-06	2.84E-07	2.59E-07	4.21E-06	4.36E-06	1.60E-06	2.18E-06	8.13E-07	4.36E-06	1.60E-06
1089	482309.1	3852450	1.13E-02	1.15E-02	1.09E-02	3.90E-06	1.18E-05	6.82E-06	6.99E-06	6.33E-06	2.89E-06	2.73E-06	0.00E+00	0.00E+00	1.26E-06	2.37E-07	1.51E-06	2.32E-07	2.11E-07	3.44E-06	3.56E-06	1.31E-06	1.78E-06	6.64E-07	3.56E-06	1.31E-06
1090	482209.1	3852500	2.28E-02	2.34E-02	2.20E-02	7.90E-06	2.38E-05	1.38E-05	1.41E-05	1.28E-05	5.85E-06	5.52E-06	0.00E+00	0.00E+00	2.54E-06	4.80E-07	3.05E-06	4.70E-07	4.27E-07	6.96E-06	7.20E-06	2.64E-06	3.59E-06	1.34E-06	7.20E-06	2.64E-06
1091	482259.1	3852500	1.72E-02	1.76E-02	1.66E-02	5.94E-06	1.79E-05	1.04E-05	1.06E-05	9.64E-06	4.40E-06	4.15E-06	0.00E+00	0.00E+00	1.91E-06	3.61E-07	2.29E-06	3.53E-07	3.21E-07	5.24E-06	5.42E-06	1.99E-06	2.70E-06	1.01E-06	5.42E-06	1.99E-06
1092	482309.1	3852500	1.36E-02	1.39E-02	1.31E-02	4.70E-06	1.42E-05	8.22E-06	8.42E-06	7.63E-06	3.48E-06	3.28E-06	0.00E+00	0.00E+00	1.51E-06	2.86E-07	1.81E-06	2.80E-07	2.54E-07	4.14E-06	4.29E-06	1.57E-06	2.14E-06	7.99E-07	4.29E-06	1.57E-06
1093	482283.9	3852514	1.62E-02	1.66E-02	1.56E-02	5.60E-06	1.69E-05	9.78E-06	1.00E-05	9.08E-06	4.15E-06	3.91E-06	0.00E+00	0.00E+00	1.80E-06	3.40E-07	2.16E-06	3.33E-07	3.03E-07	4.93E-06	5.10E-06	1.87E-06	2.55E-06	9.52E-07	5.10E-06	1.87E-06
1094	482333.9	3852514	1.30E-02	1.33E-02	1.25E-02	4.49E-06	1.36E-05	7.85E-06	8.04E-06	7.29E-06	3.33E-06	3.14E-06	0.00E+00	0.00E+00	1.44E-06	2.73E-07	1.73E-06	2.67E-07	2.43E-07	3.96E-06	4.10E-06	1.50E-06	2.04E-06	7.64E-07	4.10E-06	1.50E-06
1095	482283.9	3852564	2.10E-02	2.15E-02	2.03E-02	7.26E-06	2.19E-05	1.27E-05	1.30E-05	1.18E-05	5.37E-06	5.07E-06	0.00E+00	0.00E+00	2.33E-06	4.41E-07	2.80E-06	4.32E-07	3.93E-07	6.40E-06	6.62E-06	2.43E-06	3.30E-06	1.23E-06	6.62E-06	2.43E-06
1096	482333.9	3852564	1.61E-02	1.65E-02	1.55E-02	5.57E-06	1.68E-05	9.73E-06	9.97E-06	9.04E-06	4.12E-06	3.89E-06	0.00E+00	0.00E+00	1.79E-06	3.38E-07	2.15E-06	3.31E-07	3.01E-07	4.91E-06	5.08E-06	1.86E-06	2.53E-06	9.47E-07	5.08E-06	1.86E-06
1097	482383.9	3852564	1.30E-02	1.33E-02	1.26E-02	4.50E-06	1.36E-05	7.86E-06	8.05E-06	7.30E-06	3.33E-06	3.14E-06	0.00E+00	0.00E+00	1.45E-06	2.73E-07	1.73E-06	2.67E-07	2.43E-07	3.97E-06	4.10E-06	1.50E-06	2.05E-06	7.65E-07	4.10E-06	1.50E-06
1098	482283.9	3852614	2.91E-02	2.98E-02	2.81E-02	1.01E-05	3.04E-05	1.76E-05	1.80E-05	1.64E-05	7.46E-06	7.04E-06	0.00E+00	0.00E+00	3.24E-06	6.12E-07	3.89E-06	5.99E-07	5.45E-07	8.88E-06	9.19E-06	3.37E-06	4.59E-06	1.71E-06	9.19E-06	3.37E-06
1099	482333.9	3852614	2.08E-02	2.13E-02	2.01E-02	7.19E-06	2.17E-05	1.26E-05	1.29E-05	1.17E-05	5.32E-06	5.02E-06	0.00E+00	0.00E+00	2.31E-06	4.37E-07	2.77E-06	4.27E-07	3.89E-07	6.33E-06	6.55E-06	2.40E-06	3.27E-06	1.22E-06	6.55E-06	2.40E-06
1100	482383.9	3852614	1.60E-02	1.64E-02	1.55E-02	5.54E-06	1.67E-05	9.68E-06	9.91E-06	8.99E-06	4.10E-06	3.87E-06	0.00E+00	0.00E+00	1.78E-06	3.36E-07	2.14E-06	3.29E-07	2.99E-07	4.88E-06	5.05E-06	1.85E-06	2.52E-06	9.42E-07	5.05E-06	1.85E-06
1101	482602.4	3852601	7.26E-03	7.43E-03	7.01E-03	2.51E-06	7.59E-06	4.39E-06	4.50E-06	4.08E-06	1.86E-06	1.75E-06	0.00E+00	0.00E+00	8.08E-07	1.53E-07	9.69E-07	1.49E-07	1.36E-07	2.21E-06	2.29E-06	8.40E-07	1.14E-06	4.27E-07	2.29E-06	8.40E-07
1102	482652.4	3852601	6.48E-03	6.63E-03	6.26E-03	2.24E-06	6.77E-06	3.92E-06	4.01E-06	3.64E-06	1.66E-06	1.57E-06	0.00E+00	0.00E+00	7.21E-07	1.36E-07	8.65E-07	1.33E-07	1.21E-07	1.98E-06	2.04E-06	7.50E-07	1.02E-06	3.81E-07	2.04E-06	7.50E-07
1103	482702.4	3852601	5.66E-03	5.80E-03	5.47E-03	1.96E-06	5.92E-06	3.42E-06	3.51E-06	3.18E-06	1.45E-06	1.37E-06	0.00E+00	0.00E+00	6.30E-07	1.19E-07	7.55E-07	1.17E-07	1.06E-07	1.73E-06	1.79E-06	6.55E-07	8.92E-07	3.33E-07	1.79E-06	6.55E-07

1104	482552.4	3852651	9.56E-03	9.79E-03	9.24E-03	3.31E-06	9.99E-06	5.79E-06	5.93E-06	5.37E-06	2.45E-06	2.31E-06	0.00E+00	0.00E+00	1.06E-06	2.01E-07	1.28E-06	1.97E-07	1.79E-07	2.92E-06	3.02E-06	1.11E-06	1.51E-06	5.63E-07	3.02E-06	1.11E-06
1105	482602.4	3852651	8.24E-03	8.44E-03	7.96E-03	2.85E-06	8.62E-06	4.99E-06	5.11E-06	4.63E-06	2.11E-06	1.99E-06	0.00E+00	0.00E+00	9.18E-07	1.73E-07	1.10E-06	1.70E-07	1.54E-07	2.52E-06	2.60E-06	9.54E-07	1.30E-06	4.85E-07	2.60E-06	9.54E-07
1106	482652.4	3852651	7.28E-03	7.46E-03	7.04E-03	2.52E-06	7.61E-06	4.41E-06	4.51E-06	4.09E-06	1.87E-06	1.76E-06	0.00E+00	0.00E+00	8.11E-07	1.53E-07	9.72E-07	1.50E-07	1.36E-07	2.22E-06	2.30E-06	8.43E-07	1.15E-06	4.29E-07	2.30E-06	8.43E-07
1107	482702.4	3852651	6.52E-03	6.67E-03	6.30E-03	2.26E-06	6.81E-06	3.94E-06	4.04E-06	3.66E-06	1.67E-06	1.58E-06	0.00E+00	0.00E+00	7.25E-07	1.37E-07	8.70E-07	1.34E-07	1.22E-07	1.99E-06	2.06E-06	7.54E-07	1.03E-06	3.84E-07	2.06E-06	7.54E-07
1108	482552.4	3852701	1.12E-02	1.15E-02	1.09E-02	3.89E-06	1.18E-05	6.81E-06	6.97E-06	6.32E-06	2.88E-06	2.72E-06	0.00E+00	0.00E+00	1.25E-06	2.37E-07	1.50E-06	2.32E-07	2.11E-07	3.43E-06	3.55E-06	1.30E-06	1.77E-06	6.62E-07	3.55E-06	1.30E-06
1109	482602.4	3852701	9.62E-03	9.85E-03	9.29E-03	3.33E-06	1.01E-05	5.82E-06	5.96E-06	5.40E-06	2.47E-06	2.33E-06	0.00E+00	0.00E+00	1.07E-06	2.02E-07	1.28E-06	1.98E-07	1.80E-07	2.93E-06	3.04E-06	1.11E-06	1.52E-06	5.66E-07	3.04E-06	1.11E-06
1110	482652.4	3852701	8.50E-03	8.71E-03	8.21E-03	2.94E-06	8.88E-06	5.14E-06	5.27E-06	4.77E-06	2.18E-06	2.06E-06	0.00E+00	0.00E+00	9.46E-07	1.79E-07	1.13E-06	1.75E-07	1.59E-07	2.59E-06	2.68E-06	9.84E-07	1.34E-06	5.00E-07	2.68E-06	9.84E-07
1111	482702.4	3852701	7.41E-03	7.59E-03	7.16E-03	2.56E-06	7.74E-06	4.48E-06	4.59E-06	4.16E-06	1.90E-06	1.79E-06	0.00E+00	0.00E+00	8.25E-07	1.56E-07	9.89E-07	1.52E-07	1.39E-07	2.26E-06	2.34E-06	8.57E-07	1.17E-06	4.36E-07	2.34E-06	8.57E-07
1112	482452.4	3852751	2.26E-02	2.32E-02	2.18E-02	7.83E-06	2.36E-05	1.37E-05	1.40E-05	1.27E-05	5.80E-06	5.47E-06	0.00E+00	0.00E+00	2.52E-06	4.76E-07	3.02E-06	4.65E-07	4.23E-07	6.90E-06	7.14E-06	2.62E-06	3.56E-06	1.33E-06	7.14E-06	2.62E-06
1113	482521.3	3852750	1.54E-02	1.58E-02	1.49E-02	5.33E-06	1.61E-05	9.32E-06	9.55E-06	8.65E-06	3.95E-06	3.72E-06	0.00E+00	0.00E+00	1.71E-06	3.24E-07	2.06E-06	3.17E-07	2.88E-07	4.70E-06	4.86E-06	1.78E-06	2.43E-06	9.07E-07	4.86E-06	1.78E-06
1114	482571.3	3852750	1.25E-02	1.28E-02	1.21E-02	4.33E-06	1.31E-05	7.58E-06	7.76E-06	7.04E-06	3.21E-06	3.03E-06	0.00E+00	0.00E+00	1.39E-06	2.63E-07	1.67E-06	2.58E-07	2.34E-07	3.82E-06	3.95E-06	1.45E-06	1.97E-06	7.37E-07	3.95E-06	1.45E-06
1115	482521.3	3852800	1.98E-02	2.03E-02	1.91E-02	6.86E-06	2.07E-05	1.20E-05	1.23E-05	1.11E-05	5.08E-06	4.79E-06	0.00E+00	0.00E+00	2.21E-06	4.17E-07	2.65E-06	4.08E-07	3.71E-07	6.05E-06	6.26E-06	2.29E-06	3.12E-06	1.17E-06	6.26E-06	2.29E-06
1116	482571.3	3852800	1.53E-02	1.57E-02	1.48E-02	5.31E-06	1.60E-05	9.28E-06	9.51E-06	8.62E-06	3.93E-06	3.71E-06	0.00E+00	0.00E+00	1.71E-06	3.23E-07	2.05E-06	3.16E-07	2.87E-07	4.68E-06	4.84E-06	1.78E-06	2.42E-06	9.03E-07	4.84E-06	1.78E-06
1117	482621.3	3852800	1.24E-02	1.27E-02	1.20E-02	4.31E-06	1.30E-05	7.53E-06	7.71E-06	6.99E-06	3.19E-06	3.01E-06	0.00E+00	0.00E+00	1.39E-06	2.62E-07	1.66E-06	2.56E-07	2.33E-07	3.80E-06	3.93E-06	1.44E-06	1.96E-06	7.33E-07	3.93E-06	1.44E-06
1118	482571.3	3852850	1.96E-02	2.01E-02	1.89E-02	6.78E-06	2.05E-05	1.18E-05	1.21E-05	1.10E-05	5.02E-06	4.73E-06	0.00E+00	0.00E+00	2.18E-06	4.12E-07	2.61E-06	4.03E-07	3.67E-07	5.97E-06	6.18E-06	2.27E-06	3.08E-06	1.15E-06	6.18E-06	2.27E-06
1119	482621.3	3852850	1.51E-02	1.54E-02	1.46E-02	5.22E-06	1.58E-05	9.12E-06	9.34E-06	8.47E-06	3.86E-06	3.64E-06	0.00E+00	0.00E+00	1.68E-06	3.17E-07	2.01E-06	3.10E-07	2.82E-07	4.60E-06	4.76E-06	1.75E-06	2.37E-06	8.87E-07	4.76E-06	1.75E-06
1120	482577.4	3852902	2.58E-02	2.65E-02	2.50E-02	8.94E-06	2.70E-05	1.56E-05	1.60E-05	1.45E-05	6.62E-06	6.25E-06	0.00E+00	0.00E+00	2.88E-06	5.43E-07	3.45E-06	5.32E-07	4.84E-07	7.88E-06	8.15E-06	2.99E-06	4.07E-06	1.52E-06	8.15E-06	2.99E-06
1121	482627.4	3852902	1.86E-02	1.90E-02	1.79E-02	6.43E-06	1.94E-05	1.12E-05	1.15E-05	1.04E-05	4.76E-06	4.49E-06	0.00E+00	0.00E+00	2.07E-06	3.91E-07	2.48E-06	3.82E-07	3.48E-07	5.67E-06	5.86E-06	2.15E-06	2.93E-06	1.09E-06	5.86E-06	2.15E-06
1122	482630	3852956	2.53E-02	2.59E-02	2.44E-02	8.75E-06	2.64E-05	1.53E-05	1.57E-05	1.42E-05	6.48E-06	6.11E-06	0.00E+00	0.00E+00	2.81E-06	5.32E-07	3.37E-06	5.20E-07	4.73E-07	7.71E-06	7.98E-06	2.93E-06	3.98E-06	1.49E-06	7.98E-06	2.93E-06
1123	482680	3852956	1.81E-02	1.85E-02	1.74E-02	6.25E-06	1.89E-05	1.09E-05	1.12E-05	1.01E-05	4.63E-06	4.37E-06	0.00E+00	0.00E+00	2.01E-06	3.80E-07	2.41E-06	3.72E-07	3.38E-07	5.51E-06	5.70E-06	2.09E-06	2.85E-06	1.06E-06	5.70E-06	2.09E-06
1124	482781.6	3853034	1.33E-02	1.36E-02	1.29E-02	4.61E-06	1.39E-05	8.06E-06	8.25E-06	7.48E-06	3.41E-06	3.22E-06	0.00E+00	0.00E+00	1.48E-06	2.80E-07	1.78E-06	2.74E-07	2.49E-07	4.06E-06	4.20E-06	1.54E-06	2.10E-06	7.84E-07	4.20E-06	1.54E-06
1125	482831.6	3853034	1.07E-02	1.10E-02	1.04E-02	3.71E-06	1.12E-05	6.49E-06	6.64E-06	6.02E-06	2.75E-06	2.59E-06	0.00E+00	0.00E+00	1.19E-06	2.25E-07	1.43E-06	2.21E-07	2.01E-07	3.27E-06	3.38E-06	1.24E-06	1.69E-06	6.31E-07	3.38E-06	1.24E-06
1126	482881.6	3853034	8.89E-03	9.11E-03	8.59E-03	3.08E-06	9.29E-06	5.38E-06	5.51E-06	5.00E-06	2.28E-06	2.15E-06	0.00E+00	0.00E+00	9.90E-07	1.87E-07	1.19E-06	1.83E-07	1.66E-07	2.71E-06	2.81E-06	1.03E-06	1.40E-06	5.23E-07	2.81E-06	1.03E-06
1127	482781.6	3853084	1.51E-02	1.54E-02	1.45E-02	5.21E-06	1.57E-05	9.11E-06	9.33E-06	8.46E-06	3.86E-06	3.64E-06	0.00E+00	0.00E+00	1.68E-06	3.17E-07	2.01E-06	3.10E-07	2.82E-07	4.60E-06	4.75E-06	1.74E-06	2.37E-06	8.87E-07	4.75E-06	1.74E-06
1128	482831.6	3853084	1.18E-02	1.21E-02	1.14E-02	4.09E-06	1.23E-05	7.15E-06	7.32E-06	6.64E-06	3.03E-06	2.86E-06	0.00E+00	0.00E+00	1.32E-06	2.49E-07	1.58E-06	2.43E-07	2.21E-07	3.60E-06	3.73E-06	1.37E-06	1.86E-06	6.95E-07	3.73E-06	1.37E-06
1129	482881.6	3853084	9.73E-03	9.97E-03	9.40E-03	3.37E-06	1.02E-05	5.89E-06	6.03E-06	5.47E-06	2.50E-06	2.35E-06	0.00E+00	0.00E+00	1.08E-06	2.05E-07	1.30E-06	2.00E-07	1.82E-07	2.97E-06	3.07E-06	1.13E-06	1.53E-06	5.73E-07	3.07E-06	1.13E-06
1130	482781.6	3853134	1.76E-02	1.80E-02	1.70E-02	6.08E-06	1.84E-05	1.06E-05	1.09E-05	9.86E-06	4.50E-06	4.25E-06	0.00E+00	0.00E+00	1.95E-06	3.69E-07	2.34E-06	3.61E-07	3.29E-07	5.36E-06	5.54E-06	2.03E-06	2.77E-06	1.03E-06	5.54E-06	2.03E-06
1131	482831.6	3853134	1.33E-02	1.36E-02	1.28E-02	4.60E-06	1.39E-05	8.04E-06	8.23E-06	7.46E-06	3.40E-06	3.21E-06	0.00E+00	0.00E+00	1.48E-06	2.79E-07	1.77E-06	2.73E-07	2.49E-07	4.05E-06	4.19E-06	1.54E-06	2.09E-06	7.82E-07	4.19E-06	1.54E-06
1132	482881.6	3853134	1.07E-02	1.10E-02	1.04E-02	3.71E-06	1.12E-05	6.49E-06	6.65E-06	6.03E-06	2.75E-06	2.59E-06	0.00E+00	0.00E+00	1.19E-06	2.26E-07	1.43E-06	2.21E-07	2.01E-07	3.27E-06	3.39E-06	1.24E-06	1.69E-06	6.32E-07	3.39E-06	1.24E-06
1133	482831.6	3853184	1.52E-02	1.56E-02	1.47E-02	5.28E-06	1.59E-05	9.22E-06	9.45E-06	8.56E-06	3.91E-06	3.69E-06	0.00E+00	0.00E+00	1.70E-06	3.21E-07	2.03E-06	3.14E-07	2.85E-07	4.65E-06	4.81E-06	1.76E-06	2.40E-06	8.97E-07	4.81E-06	1.76E-06
1134	482881.6	3853184	1.19E-02	1.22E-02	1.15E-02	4.13E-06	1.25E-05	7.22E-06	7.39E-06	6.70E-06	3.06E-06	2.88E-06	0.00E+00	0.00E+00	1.33E-06	2.51E-07	1.59E-06	2.45E-07	2.23E-07	3.64E-06	3.76E-06	1.38E-06	1.88E-06	7.02E-07	3.76E-06	1.38E-06
1135	484154.8	3854251	1.85E-03	1.89E-03	1.78E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.04E-06	4.73E-07	4.46E-07	0.00E+00	0.00E+00	2.06E-07	3.88E-08	2.46E-07	3.80E-08	3.46E-08	5.63E-07	5.83E-07	2.14E-07	2.91E-07	1.09E-07	5.83E-07	2.14E-07
1136	484204.8	3854251	1.79E-03	1.83E-03	1.73E-03	6.19E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.59E-07	4.33E-07	0.00E+00	0.00E+00	1.99E-07	3.76E-08	2.39E-07	3.68E-08	3.35E-08	5.46E-07	5.65E-07	2.07E-07	2.82E-07	1.05E-07	5.65E-07	2.07E-07
1137	484154.8	3854301	1.83E-03	1.87E-03	1.77E-03	6.33E-07	1.91E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.42E-07	0.00E+00	0.00E+00	2.04E-07	3.85E-08	2.44E-07	3.76E-08	3.42E-08	5.58E-07	5.77E-07	2.12E-07	2.88E-07	1.08E-07	5.77E-07	2.12E-07
1138	484204.8	3854301	1.78E-03	1.83E-03	1.72E-03	6.17E-07	1.86E-06	1.08E-06	1.10E-06	1.00E-06	4.57E-07	4.31E-07	0.00E+00	0.00E+00	1.98E-07	3.75E-08	2.38E-07	3.67E-08	3.34E-08	5.44E-07	5.63E-07	2.06E-07	2.81E-07	1.05E-07	5.63E-07	2.06E-07
1139	484074.2	3854520	2.02E-03	2.07E-03	1.95E-03	6.99E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.18E-07	4.88E-07	0.00E+00	0.00E+00	2.25E-07	4.25E-08	2.69E-07	4.16E-08	3.78E-08	6.16E-07	6.37E-07	2.34E-07	3.18E-07	1.19E-07	6.37E-07	2.34E-07
1140	484124.2	3854520	1.94E-03	1.99E-03	1.87E-03	6.71E-07	2.03E-06	1.17E-06	1.20E-06	1.09E-06	4.97E-07	4.69E-07	0.00E+00	0.00E+00	2.16E-07	4.08E-08	2.59E-07	3.99E-08	3.63E-08	5.92E-07	6.12E-07	2.24E-07	3.06E-07	1.14E-07	6.12E-07	2.24E-07
1141	484074.2	3854570	2.07E-03	2.12E-03	2.00E-03	7.16E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.30E-07	5.00E-07	0.00E+00	0.00E+00	2.30E-07	4.35E-08	2.76E-07	4.26E-08	3.87E-08	6.31E-07	6.53E-07	2.40E-07	3.26E-07	1.22E-07	6.53E-07	2.40E-07
1142	484124.2	3854570	1.97E-03	2.02E-03	1.91E-03	6.84E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	5.06E-07	4.77E-07	0.00E+00	0.00E+00	2.20E-07	4.15E-08	2.64E-07	4.06E-08	3.70E-08	6.03E-07	6.23E-07	2.29E-07	3.11E-07	1.16E-07	6.23E-07	2.29E-07
1143	485205.1	3855189	1.86E-03	1.90E-03	1.80E-03	6.44E-07	1.94E-06	1.13E-06	1.15E-06	1.04E-06	4.77E-07	4.50E-07	0.00E+00	0.00E+00	2.07E-07	3.91E-08	2.48E-07	3.83E-08	3.48E-08	5.67E-07	5.87E-07	2.15E-07	2.93E-07	1.09E-07	5.87E-07	2.15E-07
1144	485255.1	3855189	1.79E-03	1.84E-03	1.73E-03	6.21E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.60E-07	4.34E-07	0.00E+00	0.00E+00	2.00E-07	3.78E-08	2.40E-07	3.69E-08	3.36E-08	5.48E-07	5.66E-07	2.08E-07	2.83E-07	1.06E-07	5.66E-07	2.08E-07
1145	485205.1	3855239	1.90E-03	1.95E-03	1.84E-03	6.58E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.87E-07	4.60E-07	0.00E+00	0.00E+00	2.12E-07	4.00E-08	2.54E-07	3.91E-08	3.56E-08	5.80E-07	6.00E-07	2.20E-07	2.99E-07	1.12E-07	6.00E-07	2.20E-07
1146	485255.1	3855239	1.86E-03	1.90E-03	1.79E-03	6.42E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.76E-07	4.49E-07	0.00E+00	0.00E+00	2.07E-07	3.90E-08	2.48E-07	3.82E-08	3.47E-08	5.66E-07	5.86E-07	2.15E-07	2.92E-07	1.09E-07	5.86E-07	2.15E-07
1147	485205.1	3855289	2.01E-03	2.06E-03	1.94E-03	6.96E-07	2.10E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	4.86E-07	0.00E+00	0.00E+00	2.24E-07	4.23E-08	2.69E-07	4.14E-08	3.77E-08	6.14E-07	6.35E-07	2.33E-07	3.17E-07	1.18E-07	6.35E-07	2.33E-07
1148	485255.1	3855289	1.95E-03	2.00E-03	1.88E-03	6.75E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.00E-07	4.72E-07	0.00E+00	0.00E+00	2.17E-07	4.10E-08	2.60E-07	4.02E-08	3.65E-08	5.95E-07	6.16E-07	2.26E-07	3.07E-07	1.15E-07	6.16E-07	2.26E-07
1149	485255.1	3855339	2.06E-03	2.11E-03	1.99E-03	7.12E-07	2.15E-06	1.24E-06	1.28E-06	1.16E-06	5.27E-07	4.97E-07	0.00E+00	0.00E+00	2.29E-07	4.33E-08	2.75E-07	4.23E-08	3.85E-08	6.28E-07	6.49E-07	2.38E-07	3.24E-07	1.21E-07	6.49E-07	2.38E-07
1150	485305.1	3855339	1.99E-03	2.04E-03	1.92E-03	6.88E-07	2.08E-06	1.20E-06	1.23E-06	1.12E-06	5.10E-07	4.81E-07	0.00E+00	0.00E+00	2.21E-07	4.18E-08	2.65E-07	4.09E-08	3.72E-08	6.07E-07	6.27E-07	2.30E-07	3.13E-07	1.17E-07	6.27E-07	2.30E-07
1151	485852.5	3855635	1.89E-03	1.94E-03	1.83E-03	6.55E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.85E-07	4.58E-07	0.00E+00	0.00E+00	2.11E-07	3.98E-08	2.53E-07	3.90E-08	3.55E-08	5.78E-07	5.98E-07	2.19E-07	2.98E-07	1.11E-07	5.98E-07	2.19E-07
1152	485902.5	3855635	1.83E-03	1.88E-03	1.77E-03	6.35E-07	1.92E-06	1.11E-06	1.14E-06	1.03E-06	4.70E-07	4.44E-07	0.00E+00	0.00E+00	2.04E-07	3.86E-08	2.45E-07	3.78E-08	3.43E-08	5.60E-07	5.79E-07	2.12E-07	2.89E-07	1.08E-07	5.79E-07	2.12E-07
1153	485852.5	3855685	1.96E-03	2.01E-03	1.89E-03	6.78E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	5.02E-07	4.74E-07	0.00E+00	0.00E+00	2.18E-07	4.12E-08	2.61E-07	4.03E-08	3.67E-08	5.98E-07	6.18E-07	2.27E-07	3.09E-07	1.15E-07	6.18E-07	2.27E-07
1154	485902.5	3855685	1.89E-03	1.94E-03	1.83E-03	6.55E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.85E-07	4.58E-07	0.00E+00	0.00E+00	2.11E-07	3.98E-08	2.53E-07	3.90E-08	3.55E-08	5.78E-07	5.98E-07	2.19E-07	2.98E-07	1.11E-07	5.98E-07	2.19E-07
1155	485852.5	3855735	2.03E-03	2.08E-03	1.96E-03	7.01E-07	2.12E-06	1.23E-06	1.26E-06	1.14E-06	5.19E-07	4.90E-07	0.00E+00	0.00E+00	2.26E-07	4.26E-08	2.70E-07	4.17E-08	3.79E-08	6.18E-07	6.40E-07	2.35E-07	3.19E-07	1.19E-07	6.40E-07	2.35E-07
1156	485902.5	3855735	1.97E-03	2.01E-03	1.90E-03	6.81E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	5.04E-07	4.76E-07	0.00E+00	0.00E+00	2.19E-07	4.14E-08	2.63E-07	4.05E-08	3.68E-08	6.00E-07	6.21E-07	2.28E-07	3.10E-07	1.16E-07	6.21E-07	2.28E-07
1157	485852.5	3855785	2.11E-03	2.16E-03	2.04E-03	7.31E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.41E-07	5.10E-07	0.00E+00	0.00E+00	2.35E-07	4.44E-08	2.82E-07	4.34E-08	3.95E-08	6.44E-07	6.66E-07	2.44E-07	3.32E-07	1.24E-07	6.66E-07	2.44E-07
1158	485902.5	3855785	2.03E-03	2.08E-03	1.96E-03	7.03E-07	2.12E-06	1.23E-06	1.26E-06	1.14E-06	5.21E-07	4.91E-07	0.00E+00	0.00E+00	2.26E-07	4.27E-08	2.71E-07	4.18E-08	3.80E-08	6.20E-07	6.41E-07	2.35E-07	3.20E-07	1.20E-07	6.41E-07	2.35E-07
1159	486809.5	3856465	2.01E-03	2.06E-03	1.94E-03	6.96E-07	2.10E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	4.86E-07	0.00E+00	0.00E+00	2.24E-07	4.23E-08	2.69E-07	4.14E-08	3.77E-08	6.14E-07	6.35E-07	2.33E-07	3.17E-07	1.18E-07	6.35E-07	2.33E-07
1160	486859.5	3856465	1.98E-03	2.03E-03	1.91E-03	6.85E-07	2.07E-06	1.20E-06	1.23E-06	1.11E-06	5.07E-07	4.79E-07	0.00E+00	0.00E+00	2.20E-07	4.16E-08	2.64E-07	4.07E-08	3.71E-08	6.04E-07	6.25E-07	2.29E-07	3.12E-07	1.17E-07	6.25E-07	2.29E-07
1161	486909.5	3856465	1.95E-03	1.99E-03	1.88E-03	6.73E-07	2.03E-06	1.18E-06	1.21E-06	1.09E-06	4.99E-07	4.70E-07	0.00E+00	0.00E+00	2.17E-07	4.09E-08	2.60E-07	4.00E-08	3.64E-08	5.94E-07	6.14E-07	2.25E-07	3.06E-07	1.15E-07	6.14E-07	2.25E-07
1162	486809.5	3856515	2.08E-03	2.13E-03	2.01E-03	7.19E-07	2.17E-06	1.26E-06	1.29E-06	1.17E-06	5.32E-07	5.02E-07	0.00E+00	0.00E+00	2.31E-07	4.37E-08	2.77E-07	4.27E-08	3.89E-08	6.34E-07	6.55E-07	2.40E-07	3.27E-07	1.22E-07	6.55E-07	2.40E-07
1163	486859.5	3856515	2.05E-03	2.10E-03	1.98E-03	7.09E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.25E-07	4.95E-07	0.00E+00	0.00E+00	2.28E-07	4.31E-08	2.73E-07	4.21E-08	3.83E-08	6.25E-07	6.46E-07	2.37E-07	3.22E-07	1.21E-07	6.46E-07	2.37E-07
1164	486909.5	3856515	2.01E-03	2.06E-03	1.94E-03	6.97E-07	2.10E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	4.87E-07	0.00E+00	0.00E+00	2.24E-07	4.23E-08	2.69E-07	4.14E-08	3.77E-08	6.14E-07	6.35E-07	2.33E-07	3.17E-07	1.19E-07	6.35E-07	2.33E-07
1165	486980.9	3856358	1.79E-03	1.83E-03	1.73E-03	6.19E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.58E-07	4.32E-07	0.00E+00	0.00E+00	1.99E-07	3.76E-08	2.39E-07	3.68E-08	3.35E-08	5.45E-07	5.64E-07	2.07E-07	2.82E-07	1.05E-07	5.64E-07	2.07E-07
1166	487030.9	3856358	1.76E-03	1.80E-03	1.70E-03	6.10E-07	1.84E-06	1.07E-06	1.09E-06	9.90E-07	4.52E-07	4.26E-07	0.00E+00	0.00E+00	1.96E-07	3.71E-08	2.35E-07	3.63E-08	3.30E-08	5.38E-07	5.56E-07	2.04E-07	2.78E-07	1.04E-07	5.56E-07	2.04E-07
1167	486980.9	3856408	1.84E-03	1.89E-03	1.78E-03	6.38E-07	1.93E-06	1.11E-06	1.14E-06	1.03E-06	4.72E-07	4.45E-07	0.00E+00	0.00E+00	2.05E-07	3.87E-08	2.46E-07	3.79E-08	3.45E-08	5.62E-07	5.81E-07	2.13E-07	2.90E-07	1.08E-07	5.81E-07	2.13E-07
1168	487030.9	3856408	1.81E-03	1.86E-03	1.75E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.65E-07	4.39E-07	0.00E+00	0.00E+00	2.02E-07	3.82E-08	2.42E-07	3.73E-08	3.40E-08	5.53E-07	5.72E-07	2.10E-07	2.86E-07	1.07E-07	5.72E-07	2.10E-07
1169	487447.2	3856437	1.66E-03	1.70E-03	1.60E-03	5.75E-07	1.74E-06	1.00E-06	1.03E-06	9.33E-07	4.26E-07	4.01E-07	0.00E+00	0.00E+00	1.85E-07	3.49E-08	2.22E-07	3.42E-08	3.11E-08	5.07E-07	5.24E-07	1.92E-07	2.62E-07	9.77E-08	5.24E-07	1.92E-07
1170	487497.2	3856437	1.64E-03	1.68E-03	1.59E-03	5.69E-07	1.72E-06	9.94E-07	1.02E-06	9.23E-07	4.21E-07	3.97E-07	0.00E+00	0.00E+00	1.83E-07	3.46E-08	2.19E-07	3.38E-08	3.08E-08	5.01E-07	5.18E-07	1.90E-07	2.59E-07	9.67E-08	5.18E-07	1.90E-07
1171	487547.2	3856437	1.63E-03	1.67E-03	1.57E-03	5.64E-07	1.70E-06	9.85E-07	1.01E-06	9.15E-07	4.17E-07	3.94E-07	0.00E+00	0.00E+00	1.81E-07	3.42E-08	2.17E-07	3.35E-08	3.05E-08	4.97E-07	5.14E-07	1.88E-07	2.56E-07	9.58E-08	5.14E-07	1.88E-07
1172	487447.2	3856487	1.70E-03	1.74E-03	1.65E-03	5.90E-07	1.78E-06	1.03E-06	1.06E-06	9.57E-07	4.37E-07	4.12E-07	0.00E+00	0.00E+00	1.90E-07	3.58E-08	2.27E-07	3.51E-08	3.19E-08	5.20E-07	5.38E-07	1.97E-07	2.68E-07	1.00E-07	5.38E-07	1.97E-07
1173	487497.2	3856487	1.68E-03	1.72E-03	1.63E-03	5.83E-07	1.76E-06	1.02E-06	1.04E-06	9.46E-07	4.32E-07	4.07E-07	0.00E+00	0.00E+00	1.87E-07	3.54E-08	2.25E-07	3.47E-08	3.15E-08	5.14E-07	5.31E-07	1.95E-07	2.65E-07	9.91E-08	5.31E-07	1.95E-07
1174	487547.2	3856487	1.67E-03	1.71E-03	1.61E-03	5.77E-07	1.74E-06	1.01E-06	1.03E-06	9.37E-07	4.28E-07	4.03E-07	0.00E+00	0.00E+00	1.86E-07	3.51E-08	2.23E-07	3.43E-08	3.12E-08	5.09E-07	5.26E-07	1.93E-07	2.63E-07	9.82E-08	5.26E-07	1.93E-07
1175	487447.2	3856537	1.75E-03	1.79E-03	1.69E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.83E-07	4.48E-07	4.23E-07	0.00E+00	0.00E+00	1.95E-07	3.68E-08	2.33E-07	3.60E-08	3.27E-08	5.34E-07	5.52E-07	2.02E-07	2.76E-07	1.03E-07	5.52E-07	2.02E-07
1176	487497.2	3856537	1.73E-03	1.77E-03	1.67E-03	5.98E-07	1.80E-06	1.04E-06	1.07E-06	9.70E-07	4.43E-07	4.18E-07	0.00E+00	0.00E+00	1.92E-07	3.63E-08	2.30E-07	3.55E-08	3.23E-08	5.27E-07	5.45E-07	2.00E-07	2.72E-07	1.02E-07	5.45E-07	2.00E-07
1177	487547.2	3856537	1.71E-03	1.75E-03	1.65E-03	5.92E-07	1.79E-06	1.03E-06	1.06E-06	9.61E-07	4.38E-07	4.14E-07	0.00E+00	0.00E+00	1.90E-07	3.60E-08	2.28E-07	3.52E-08	3.20E-08	5.22E-07	5.40E-07	1.98E-07	2.69E-07	1.01E-07	5.40E-07	1.98E-07

1178	489285.9	3858827	7.86E-03	8.05E-03	7.59E-03	2.72E-06	8.21E-06	4.75E-06	4.87E-06	4.41E-06	2.01E-06	1.90E-06	0.00E+00	0.00E+00	8.74E-07	1.65E-07	1.05E-06	1.62E-07	1.47E-07	2.40E-06	2.48E-06	9.09E-07	1.24E-06	4.62E-07	2.48E-06	9.09E-07
1179	489335.9	3858827	7.32E-03	7.50E-03	7.07E-03	2.53E-06	7.65E-06	4.43E-06	4.54E-06	4.11E-06	1.88E-06	1.77E-06	0.00E+00	0.00E+00	8.15E-07	1.54E-07	9.77E-07	1.51E-07	1.37E-07	2.23E-06	2.31E-06	8.47E-07	1.15E-06	4.31E-07	2.31E-06	8.47E-07
1180	489385.9	3858827	6.85E-03	7.01E-03	6.61E-03	2.37E-06	7.16E-06	4.14E-06	4.24E-06	3.85E-06	1.76E-06	1.66E-06	0.00E+00	0.00E+00	7.62E-07	1.44E-07	9.14E-07	1.41E-07	1.28E-07	2.09E-06	2.16E-06	7.93E-07	1.08E-06	4.03E-07	2.16E-06	7.93E-07
1181	489435.9	3858827	6.44E-03	6.59E-03	6.22E-03	2.23E-06	6.73E-06	3.90E-06	3.99E-06	3.62E-06	1.65E-06	1.56E-06	0.00E+00	0.00E+00	7.17E-07	1.35E-07	8.59E-07	1.33E-07	1.21E-07	1.96E-06	2.03E-06	7.45E-07	1.01E-06	3.79E-07	2.03E-06	7.45E-07
1182	489485.9	3858827	6.08E-03	6.23E-03	5.87E-03	2.10E-06	6.36E-06	3.68E-06	3.77E-06	3.42E-06	1.56E-06	1.47E-06	0.00E+00	0.00E+00	6.77E-07	1.28E-07	8.12E-07	1.25E-07	1.14E-07	1.86E-06	1.92E-06	7.04E-07	9.58E-07	3.58E-07	1.92E-06	7.04E-07
1183	489535.9	3858827	5.76E-03	5.90E-03	5.57E-03	2.00E-06	6.02E-06	3.49E-06	3.57E-06	3.24E-06	1.48E-06	1.39E-06	0.00E+00	0.00E+00	6.42E-07	1.21E-07	7.69E-07	1.19E-07	1.08E-07	1.76E-06	1.82E-06	6.67E-07	9.08E-07	3.39E-07	1.82E-06	6.67E-07
1184	489585.9	3858827	5.48E-03	5.61E-03	5.29E-03	1.90E-06	5.73E-06	3.32E-06	3.40E-06	3.08E-06	1.40E-06	1.32E-06	0.00E+00	0.00E+00	6.10E-07	1.15E-07	7.31E-07	1.13E-07	1.03E-07	1.67E-06	1.73E-06	6.34E-07	8.63E-07	3.23E-07	1.73E-06	6.34E-07
1185	489635.9	3858827	5.23E-03	5.35E-03	5.05E-03	1.81E-06	5.46E-06	3.16E-06	3.24E-06	2.94E-06	1.34E-06	1.26E-06	0.00E+00	0.00E+00	5.82E-07	1.10E-07	6.98E-07	1.08E-07	9.78E-08	1.59E-06	1.65E-06	6.05E-07	8.23E-07	3.08E-07	1.65E-06	6.05E-07
1186	489685.9	3858827	4.99E-03	5.12E-03	4.83E-03	1.73E-06	5.22E-06	3.02E-06	3.10E-06	2.81E-06	1.28E-06	1.21E-06	0.00E+00	0.00E+00	5.56E-07	1.05E-07	6.67E-07	1.03E-07	9.35E-08	1.52E-06	1.58E-06	5.78E-07	7.87E-07	2.94E-07	1.58E-06	5.78E-07
1187	489735.9	3858827	4.78E-03	4.90E-03	4.62E-03	1.66E-06	5.00E-06	2.89E-06	2.96E-06	2.69E-06	1.23E-06	1.16E-06	0.00E+00	0.00E+00	5.32E-07	1.01E-07	6.38E-07	9.84E-08	8.95E-08	1.46E-06	1.51E-06	5.54E-07	7.53E-07	2.81E-07	1.51E-06	5.54E-07
1188	489785.9	3858827	4.59E-03	4.70E-03	4.44E-03	1.59E-06	4.80E-06	2.78E-06	2.85E-06	2.58E-06	1.18E-06	1.11E-06	0.00E+00	0.00E+00	5.11E-07	9.66E-08	6.13E-07	9.45E-08	8.60E-08	1.40E-06	1.45E-06	5.32E-07	7.24E-07	2.70E-07	1.45E-06	5.32E-07
1189	489835.9	3858827	4.41E-03	4.52E-03	4.26E-03	1.53E-06	4.61E-06	2.67E-06	2.73E-06	2.48E-06	1.13E-06	1.07E-06	0.00E+00	0.00E+00	4.91E-07	9.28E-08	5.89E-07	9.08E-08	8.26E-08	1.35E-06	1.39E-06	5.11E-07	6.95E-07	2.60E-07	1.39E-06	5.11E-07
1190	489885.9	3858827	4.25E-03	4.35E-03	4.11E-03	1.47E-06	4.44E-06	2.57E-06	2.63E-06	2.39E-06	1.09E-06	1.03E-06	0.00E+00	0.00E+00	4.73E-07	8.94E-08	5.67E-07	8.75E-08	7.96E-08	1.30E-06	1.34E-06	4.92E-07	6.70E-07	2.50E-07	1.34E-06	4.92E-07
1191	489935.9	3858827	4.10E-03	4.20E-03	3.96E-03	1.42E-06	4.28E-06	2.48E-06	2.54E-06	2.30E-06	1.05E-06	9.91E-07	0.00E+00	0.00E+00	4.56E-07	8.62E-08	5.47E-07	8.44E-08	7.67E-08	1.25E-06	1.29E-06	4.74E-07	6.46E-07	2.41E-07	1.29E-06	4.74E-07
1192	489985.9	3858827	3.96E-03	4.05E-03	3.82E-03	1.37E-06	4.13E-06	2.39E-06	2.45E-06	2.22E-06	1.01E-06	9.56E-07	0.00E+00	0.00E+00	4.40E-07	8.32E-08	5.28E-07	8.14E-08	7.41E-08	1.21E-06	1.25E-06	4.58E-07	6.23E-07	2.33E-07	1.25E-06	4.58E-07
1193	490035.9	3858827	3.81E-03	3.90E-03	3.68E-03	1.32E-06	3.98E-06	2.31E-06	2.36E-06	2.14E-06	9.77E-07	9.22E-07	0.00E+00	0.00E+00	4.24E-07	8.02E-08	5.09E-07	7.85E-08	7.14E-08	1.16E-06	1.20E-06	4.41E-07	6.01E-07	2.24E-07	1.20E-06	4.41E-07
1194	489285.9	3858877	9.09E-03	9.31E-03	8.78E-03	3.15E-06	9.50E-06	5.50E-06	5.63E-06	5.11E-06	2.33E-06	2.20E-06	0.00E+00	0.00E+00	1.01E-06	1.91E-07	1.21E-06	1.87E-07	1.70E-07	2.77E-06	2.87E-06	1.05E-06	1.43E-06	5.35E-07	2.87E-06	1.05E-06
1195	489335.9	3858877	8.37E-03	8.57E-03	8.08E-03	2.90E-06	8.74E-06	5.06E-06	5.19E-06	4.70E-06	2.14E-06	2.02E-06	0.00E+00	0.00E+00	9.31E-07	1.76E-07	1.12E-06	1.72E-07	1.57E-07	2.55E-06	2.64E-06	9.69E-07	1.32E-06	4.93E-07	2.64E-06	9.69E-07
1196	489385.9	3858877	7.76E-03	7.95E-03	7.49E-03	2.69E-06	8.11E-06	4.69E-06	4.81E-06	4.36E-06	1.99E-06	1.88E-06	0.00E+00	0.00E+00	8.63E-07	1.63E-07	1.04E-06	1.60E-07	1.45E-07	2.37E-06	2.45E-06	8.98E-07	1.22E-06	4.57E-07	2.45E-06	8.98E-07
1197	489435.9	3858877	7.23E-03	7.41E-03	6.99E-03	2.50E-06	7.56E-06	4.38E-06	4.48E-06	4.06E-06	1.85E-06	1.75E-06	0.00E+00	0.00E+00	8.05E-07	1.52E-07	9.65E-07	1.49E-07	1.35E-07	2.21E-06	2.28E-06	8.37E-07	1.14E-06	4.26E-07	2.28E-06	8.37E-07
1198	489485.9	3858877	6.78E-03	6.94E-03	6.55E-03	2.35E-06	7.08E-06	4.10E-06	4.20E-06	3.81E-06	1.74E-06	1.64E-06	0.00E+00	0.00E+00	7.54E-07	1.43E-07	9.04E-07	1.39E-07	1.27E-07	2.07E-06	2.14E-06	7.84E-07	1.07E-06	3.99E-07	2.14E-06	7.84E-07
1199	489535.9	3858877	6.38E-03	6.53E-03	6.16E-03	2.21E-06	6.67E-06	3.86E-06	3.95E-06	3.58E-06	1.63E-06	1.54E-06	0.00E+00	0.00E+00	7.10E-07	1.34E-07	8.51E-07	1.31E-07	1.19E-07	1.95E-06	2.01E-06	7.38E-07	1.00E-06	3.75E-07	2.01E-06	7.38E-07
1200	489585.9	3858877	6.02E-03	6.17E-03	5.82E-03	2.08E-06	6.29E-06	3.64E-06	3.73E-06	3.38E-06	1.54E-06	1.46E-06	0.00E+00	0.00E+00	6.70E-07	1.27E-07	8.04E-07	1.24E-07	1.13E-07	1.84E-06	1.90E-06	6.97E-07	9.48E-07	3.54E-07	1.90E-06	6.97E-07
1201	489635.9	3858877	5.71E-03	5.85E-03	5.52E-03	1.98E-06	5.97E-06	3.46E-06	3.54E-06	3.21E-06	1.46E-06	1.38E-06	0.00E+00	0.00E+00	6.36E-07	1.20E-07	7.62E-07	1.18E-07	1.07E-07	1.74E-06	1.80E-06	6.61E-07	9.00E-07	3.36E-07	1.80E-06	6.61E-07
1202	489685.9	3858877	5.43E-03	5.57E-03	5.25E-03	1.88E-06	5.68E-06	3.29E-06	3.37E-06	3.05E-06	1.39E-06	1.31E-06	0.00E+00	0.00E+00	6.05E-07	1.14E-07	7.25E-07	1.12E-07	1.02E-07	1.66E-06	1.72E-06	6.29E-07	8.56E-07	3.20E-07	1.72E-06	6.29E-07
1203	489735.9	3858877	5.18E-03	5.31E-03	5.00E-03	1.79E-06	5.41E-06	3.13E-06	3.21E-06	2.91E-06	1.33E-06	1.25E-06	0.00E+00	0.00E+00	5.77E-07	1.09E-07	6.91E-07	1.07E-07	9.70E-08	1.58E-06	1.63E-06	6.00E-07	8.16E-07	3.05E-07	1.63E-06	6.00E-07
1204	489785.9	3858877	4.96E-03	5.08E-03	4.79E-03	1.72E-06	5.18E-06	3.00E-06	3.07E-06	2.78E-06	1.27E-06	1.20E-06	0.00E+00	0.00E+00	5.52E-07	1.04E-07	6.62E-07	1.02E-07	9.28E-08	1.51E-06	1.56E-06	5.74E-07	7.81E-07	2.92E-07	1.56E-06	5.74E-07
1205	489835.9	3858877	4.75E-03	4.86E-03	4.59E-03	1.64E-06	4.96E-06	2.87E-06	2.94E-06	2.67E-06	1.22E-06	1.15E-06	0.00E+00	0.00E+00	5.29E-07	9.99E-08	6.34E-07	9.78E-08	8.89E-08	1.45E-06	1.50E-06	5.50E-07	7.48E-07	2.80E-07	1.50E-06	5.50E-07
1206	489885.9	3858877	4.56E-03	4.68E-03	4.41E-03	1.58E-06	4.77E-06	2.76E-06	2.83E-06	2.56E-06	1.17E-06	1.10E-06	0.00E+00	0.00E+00	5.08E-07	9.60E-08	6.09E-07	9.40E-08	8.55E-08	1.39E-06	1.44E-06	5.28E-07	7.19E-07	2.69E-07	1.44E-06	5.28E-07
1207	489935.9	3858877	4.39E-03	4.49E-03	4.24E-03	1.52E-06	4.59E-06	2.65E-06	2.72E-06	2.46E-06	1.12E-06	1.06E-06	0.00E+00	0.00E+00	4.88E-07	9.23E-08	5.86E-07	9.03E-08	8.21E-08	1.34E-06	1.38E-06	5.08E-07	6.91E-07	2.58E-07	1.38E-06	5.08E-07
1208	489985.9	3858877	4.21E-03	4.32E-03	4.07E-03	1.46E-06	4.40E-06	2.55E-06	2.61E-06	2.37E-06	1.08E-06	1.02E-06	0.00E+00	0.00E+00	4.69E-07	8.86E-08	5.62E-07	8.67E-08	7.89E-08	1.29E-06	1.33E-06	4.88E-07	6.64E-07	2.48E-07	1.33E-06	4.88E-07
1209	490035.9	3858877	4.05E-03	4.15E-03	3.92E-03	1.40E-06	4.24E-06	2.45E-06	2.51E-06	2.28E-06	1.04E-06	9.80E-07	0.00E+00	0.00E+00	4.51E-07	8.53E-08	5.41E-07	8.35E-08	7.59E-08	1.24E-06	1.28E-06	4.69E-07	6.39E-07	2.39E-07	1.28E-06	4.69E-07
1210	489285.9	3858927	1.08E-02	1.11E-02	1.04E-02	3.74E-06	1.13E-05	6.54E-06	6.70E-06	6.07E-06	2.77E-06	2.61E-06	0.00E+00	0.00E+00	1.20E-06	2.27E-07	1.44E-06	2.23E-07	2.02E-07	3.30E-06	3.41E-06	1.25E-06	1.70E-06	6.36E-07	3.41E-06	1.25E-06
1211	489335.9	3858927	9.80E-03	1.00E-02	9.46E-03	3.39E-06	1.02E-05	5.93E-06	6.07E-06	5.50E-06	2.51E-06	2.37E-06	0.00E+00	0.00E+00	1.09E-06	2.06E-07	1.31E-06	2.02E-07	1.83E-07	2.99E-06	3.09E-06	1.13E-06	1.54E-06	5.77E-07	3.09E-06	1.13E-06
1212	489385.9	3858927	8.95E-03	9.17E-03	8.65E-03	3.10E-06	9.36E-06	5.42E-06	5.55E-06	5.03E-06	2.30E-06	2.17E-06	0.00E+00	0.00E+00	9.97E-07	1.88E-07	1.20E-06	1.84E-07	1.68E-07	2.73E-06	2.83E-06	1.04E-06	1.41E-06	5.27E-07	2.83E-06	1.04E-06
1213	489435.9	3858927	8.26E-03	8.46E-03	7.98E-03	2.86E-06	8.63E-06	5.00E-06	5.12E-06	4.64E-06	2.12E-06	2.00E-06	0.00E+00	0.00E+00	9.19E-07	1.74E-07	1.10E-06	1.70E-07	1.55E-07	2.52E-06	2.61E-06	9.56E-07	1.30E-06	4.86E-07	2.61E-06	9.56E-07
1214	489485.9	3858927	7.66E-03	7.85E-03	7.40E-03	2.65E-06	8.01E-06	4.64E-06	4.75E-06	4.30E-06	1.96E-06	1.85E-06	0.00E+00	0.00E+00	8.53E-07	1.61E-07	1.02E-06	1.58E-07	1.43E-07	2.34E-06	2.42E-06	8.87E-07	1.21E-06	4.51E-07	2.42E-06	8.87E-07
1215	489535.9	3858927	7.15E-03	7.32E-03	6.91E-03	2.47E-06	7.47E-06	4.32E-06	4.43E-06	4.02E-06	1.83E-06	1.73E-06	0.00E+00	0.00E+00	7.96E-07	1.50E-07	9.54E-07	1.47E-07	1.34E-07	2.18E-06	2.26E-06	8.27E-07	1.13E-06	4.21E-07	2.26E-06	8.27E-07
1216	489585.9	3858927	6.70E-03	6.86E-03	6.47E-03	2.32E-06	7.00E-06	4.05E-06	4.15E-06	3.76E-06	1.72E-06	1.62E-06	0.00E+00	0.00E+00	7.46E-07	1.41E-07	8.94E-07	1.38E-07	1.25E-07	2.04E-06	2.11E-06	7.76E-07	1.06E-06	3.94E-07	2.11E-06	7.76E-07
1217	489635.9	3858927	6.31E-03	6.46E-03	6.10E-03	2.18E-06	6.60E-06	3.82E-06	3.91E-06	3.55E-06	1.62E-06	1.53E-06	0.00E+00	0.00E+00	7.02E-07	1.33E-07	8.42E-07	1.30E-07	1.18E-07	1.93E-06	1.99E-06	7.31E-07	9.94E-07	3.72E-07	1.99E-06	7.31E-07
1218	489685.9	3858927	5.96E-03	6.11E-03	5.76E-03	2.06E-06	6.23E-06	3.61E-06	3.70E-06	3.35E-06	1.53E-06	1.44E-06	0.00E+00	0.00E+00	6.64E-07	1.25E-07	7.96E-07	1.23E-07	1.12E-07	1.82E-06	1.88E-06	6.90E-07	9.39E-07	3.51E-07	1.88E-06	6.90E-07
1219	489735.9	3858927	5.66E-03	5.80E-03	5.47E-03	1.96E-06	5.92E-06	3.43E-06	3.51E-06	3.18E-06	1.45E-06	1.37E-06	0.00E+00	0.00E+00	6.30E-07	1.19E-07	7.56E-07	1.17E-07	1.06E-07	1.73E-06	1.79E-06	6.55E-07	8.92E-07	3.33E-07	1.79E-06	6.55E-07
1220	489785.9	3858927	5.39E-03	5.52E-03	5.21E-03	1.87E-06	5.64E-06	3.26E-06	3.34E-06	3.03E-06	1.38E-06	1.30E-06	0.00E+00	0.00E+00	6.00E-07	1.13E-07	7.20E-07	1.11E-07	1.01E-07	1.65E-06	1.70E-06	6.24E-07	8.50E-07	3.17E-07	1.70E-06	6.24E-07
1221	489835.9	3858927	5.14E-03	5.27E-03	4.97E-03	1.78E-06	5.38E-06	3.11E-06	3.19E-06	2.89E-06	1.32E-06	1.24E-06	0.00E+00	0.00E+00	5.73E-07	1.08E-07	6.87E-07	1.06E-07	9.63E-08	1.57E-06	1.62E-06	5.96E-07	8.10E-07	3.03E-07	1.62E-06	5.96E-07
1222	489885.9	3858927	4.92E-03	5.04E-03	4.76E-03	1.70E-06	5.15E-06	2.98E-06	3.05E-06	2.77E-06	1.26E-06	1.19E-06	0.00E+00	0.00E+00	5.48E-07	1.04E-07	6.57E-07	1.01E-07	9.22E-08	1.50E-06	1.55E-06	5.70E-07	7.76E-07	2.90E-07	1.55E-06	5.70E-07
1223	489935.9	3858927	4.72E-03	4.83E-03	4.56E-03	1.63E-06	4.93E-06	2.85E-06	2.92E-06	2.65E-06	1.21E-06	1.14E-06	0.00E+00	0.00E+00	5.25E-07	9.93E-08	6.30E-07	9.71E-08	8.83E-08	1.44E-06	1.49E-06	5.46E-07	7.43E-07	2.78E-07	1.49E-06	5.46E-07
1224	489985.9	3858927	4.52E-03	4.63E-03	4.37E-03	1.57E-06	4.73E-06	2.74E-06	2.80E-06	2.54E-06	1.16E-06	1.09E-06	0.00E+00	0.00E+00	5.04E-07	9.52E-08	6.04E-07	9.31E-08	8.47E-08	1.38E-06	1.43E-06	5.24E-07	7.13E-07	2.66E-07	1.43E-06	5.24E-07
1225	490035.9	3858927	4.32E-03	4.42E-03	4.17E-03	1.49E-06	4.51E-06	2.61E-06	2.68E-06	2.43E-06	1.11E-06	1.04E-06	0.00E+00	0.00E+00	4.81E-07	9.08E-08	5.76E-07	8.89E-08	8.09E-08	1.32E-06	1.36E-06	5.00E-07	6.80E-07	2.54E-07	1.36E-06	5.00E-07
1226	489335.9	3858977	1.18E-02	1.21E-02	1.14E-02	4.09E-06	1.24E-05	7.16E-06	7.33E-06	6.65E-06	3.03E-06	2.86E-06	0.00E+00	0.00E+00	1.32E-06	2.49E-07	1.58E-06	2.43E-07	2.21E-07	3.61E-06	3.73E-06	1.37E-06	1.86E-06	6.96E-07	3.73E-06	1.37E-06
1227	489385.9	3858977	1.06E-02	1.09E-02	1.03E-02	3.67E-06	1.11E-05	6.42E-06	6.58E-06	5.96E-06	2.72E-06	2.57E-06	0.00E+00	0.00E+00	1.18E-06	2.23E-07	1.42E-06	2.18E-07	1.99E-07	3.24E-06	3.35E-06	1.23E-06	1.67E-06	6.25E-07	3.35E-06	1.23E-06
1228	489435.9	3858977	9.65E-03	9.88E-03	9.32E-03	3.34E-06	1.01E-05	5.84E-06	5.98E-06	5.42E-06	2.47E-06	2.33E-06	0.00E+00	0.00E+00	1.07E-06	2.03E-07	1.29E-06	1.99E-07	1.81E-07	2.94E-06	3.04E-06	1.12E-06	1.52E-06	5.68E-07	3.04E-06	1.12E-06
1229	489485.9	3858977	8.83E-03	9.04E-03	8.53E-03	3.06E-06	9.23E-06	5.34E-06	5.47E-06	4.96E-06	2.26E-06	2.14E-06	0.00E+00	0.00E+00	9.83E-07	1.86E-07	1.18E-06	1.82E-07	1.65E-07	2.69E-06	2.79E-06	1.02E-06	1.39E-06	5.20E-07	2.79E-06	1.02E-06
1230	489535.9	3858977	8.14E-03	8.34E-03	7.86E-03	2.82E-06	8.51E-06	4.93E-06	5.05E-06	4.57E-06	2.09E-06	1.97E-06	0.00E+00	0.00E+00	9.06E-07	1.71E-07	1.09E-06	1.68E-07	1.52E-07	2.48E-06	2.57E-06	9.42E-07	1.28E-06	4.79E-07	2.57E-06	9.42E-07
1231	489585.9	3858977	7.57E-03	7.75E-03	7.31E-03	2.62E-06	7.91E-06	4.58E-06	4.69E-06	4.25E-06	1.94E-06	1.83E-06	0.00E+00	0.00E+00	8.42E-07	1.59E-07	1.01E-06	1.56E-07	1.42E-07	2.31E-06	2.39E-06	8.76E-07	1.19E-06	4.45E-07	2.39E-06	8.76E-07
1232	489635.9	3858977	7.07E-03	7.24E-03	6.83E-03	2.45E-06	7.38E-06	4.27E-06	4.38E-06	3.97E-06	1.81E-06	1.71E-06	0.00E+00	0.00E+00	7.86E-07	1.49E-07	9.43E-07	1.45E-07	1.32E-07	2.16E-06	2.23E-06	8.18E-07	1.11E-06	4.16E-07	2.23E-06	8.18E-07
1233	489685.9	3858977	6.63E-03	6.79E-03	6.40E-03	2.29E-06	6.92E-06	4.01E-06	4.11E-06	3.72E-06	1.70E-06	1.60E-06	0.00E+00	0.00E+00	7.37E-07	1.39E-07	8.84E-07	1.36E-07	1.24E-07	2.02E-06	2.09E-06	7.67E-07	1.04E-06	3.90E-07	2.09E-06	7.67E-07
1234	489735.9	3858977	6.25E-03	6.40E-03	6.04E-03	2.16E-06	6.53E-06	3.78E-06	3.87E-06	3.51E-06	1.60E-06	1.51E-06	0.00E+00	0.00E+00	6.95E-07	1.31E-07	8.34E-07	1.29E-07	1.17E-07	1.91E-06	1.97E-06	7.23E-07	9.84E-07	3.68E-07	1.97E-06	7.23E-07
1235	489785.9	3858977	5.92E-03	6.06E-03	5.72E-03	2.05E-06	6.19E-06	3.58E-06	3.67E-06	3.33E-06	1.52E-06	1.43E-06	0.00E+00	0.00E+00	6.59E-07	1.25E-07	7.90E-07	1.22E-07	1.11E-07	1.81E-06	1.87E-06	6.85E-07	9.33E-07	3.48E-07	1.87E-06	6.85E-07
1236	489835.9	3858977	5.62E-03	5.76E-03	5.43E-03	1.95E-06	5.88E-06	3.40E-06	3.49E-06	3.16E-06	1.44E-06	1.36E-06	0.00E+00	0.00E+00	6.26E-07	1.18E-07	7.51E-07	1.16E-07	1.05E-07	1.72E-06	1.78E-06	6.51E-07	8.86E-07	3.31E-07	1.78E-06	6.51E-07
1237	489885.9	3858977	5.35E-03	5.48E-03	5.17E-03	1.85E-06	5.59E-06	3.24E-06	3.31E-06	3.00E-06	1.37E-06	1.29E-06	0.00E+00	0.00E+00	5.95E-07	1.12E-07	7.14E-07	1.10E-07	1.00E-07	1.63E-06	1.69E-06	6.19E-07	8.42E-07	3.15E-07	1.69E-06	6.19E-07
1238	489935.9	3858977	5.10E-03	5.22E-03	4.93E-03	1.77E-06	5.33E-06	3.09E-06	3.16E-06	2.87E-06	1.31E-06	1.23E-06	0.00E+00	0.00E+00	5.68E-07	1.07E-07	6.81E-07	1.05E-07	9.55E-08	1.56E-06	1.61E-06	5.90E-07	8.04E-07	3.00E-07	1.61E-06	5.90E-07
1239	489985.9	3858977	4.88E-03	4.99E-03	4.71E-03	1.69E-06	5.10E-06	2.95E-06	3.02E-06	2.74E-06	1.25E-06	1.18E-06	0.00E+00	0.00E+00	5.43E-07	1.03E-07	6.51E-07	1.00E-07	9.13E-08	1.49E-06	1.54E-06	5.64E-07	7.68E-07	2.87E-07	1.54E-06	5.64E-07
1240	490035.9	3858977	4.60E-03	4.71E-03	4.44E-03	1.59E-06	4.80E-06	2.78E-06	2.85E-06	2.58E-06	1.18E-06	1.11E-06	0.00E+00	0.00E+00	5.12E-07	9.67E-08	6.13E-07	9.46E-08	8.60E-08	1.40E-06	1.45E-06	5.32E-07	7.24E-07	2.71E-07	1.45E-06	5.32E-07
1241	489385.9	3859027	1.30E-02	1.34E-02	1.26E-02	4.52E-06	1.36E-05	7.90E-06	8.09E-06	7.33E-06	3.34E-06	3.15E-06	0.00E+00	0.00E+00	1.45E-06	2.74E-07	1.74E-06	2.69E-07	2.44E-07	3.98E-06	4.12E-06	1.51E-06	2.06E-06	7.68E-07	4.12E-06	1.51E-06
1242	489435.9	3859027	1.16E-02	1.19E-02	1.12E-02	4.01E-06	1.21E-05	7.01E-06	7.18E-06	6.51E-06	2.97E-06	2.80E-06	0.00E+00	0.00E+00	1.29E-06	2.44E-07	1.55E-06	2.39E-07	2.17E-07	3.54E-06	3.66E-06	1.34E-06	1.83E-06	6.82E-07	3.66E-06	1.34E-06
1243	489485.9	3859027	1.04E-02	1.07E-02	1.01E-02	3.61E-06	1.09E-05	6.31E-06	6.46E-06	5.86E-06	2.67E-06	2.52E-06	0.00E+00	0.00E+00	1.16E-06	2.19E-07	1.39E-06	2.15E-07	1.95E-07	3.18E-06	3.29E-06	1.21E-06	1.64E-06	6.14E-07	3.29E-06	1.21E-06
1244	489535.9	3859027	9.48E-03	9.71E-03	9.16E-03	3.28E-06	9.91E-06	5.74E-06	5.87E-06	5.33E-06	2.43E-06	2.29E-06	0.00E+00	0.00E+00	1.06E-06	1.99E-07	1.27E-06	1.95E-07	1.77E-07	2.89E-06	2.99E-06	1.10E-06	1.49E-06	5.58E-07	2.99E-06	1.10E-06
1245	489585.9	3859027	8.69E-03	8.90E-03	8.39E-03	3.01E-06	9.08E-06	5.26E-06	5.38E-06	4.88E-06	2.23E-06	2.10E-06	0.00E+00	0.00E+00	9.67E-07	1.83E-07	1.16E-06	1.79E-07	1.63E-07	2.65E-06	2.74E-06	1.01E-06	1.37E-06	5.11E-07	2.74E-06	1.01E-06
1246	489635.9	3859027	8.03E-03	8.23E-03	7.76E-03	2.78E-06	8.39E-06	4.86E-06	4.98E-06	4.51E-06	2.06E-06	1.94E-06	0.00E+00	0.00E+00	8.94E-07	1.69E-07	1.07E-06	1.65E-07	1.50E-07	2.45E-06	2.53E-06	9.30E-07	1.27E-06	4.73E-07	2.53E-06	9.30E-07
1247	489685.9	3859027	7.47E-03	7.65E-03	7.22E-03	2.59E-06	7.81E-06	4.52E-06	4.63E-06	4.20E-06	1.91E-06	1.81E-06	0.00E+00	0.00E+00	8.31E-07	1.57E-07	9.97E-07	1.54E-07	1.40E-07	2.28E-06	2.36E-06	8.65E-07	1.18E-06	4.40E-07	2.36E-06	8.65E-07
1248	489735.9	3859027	6.99E-03	7.16E-03	6.75E-03	2.42E-06	7.31E-06	4.23E-06	4.33E-06	3.93E-06	1.79E-06	1.69E-06	0.00E+00	0.00E+00	7.78E-07	1.47E-07	9.33E-07	1.44E-07	1.31E-07	2.13E-06	2.21E-06	8.09E-07	1.10E-06	4.11E-07	2.21E-06	8.09E-07
1249	489785.9	3859027	6.57E-03	6.73E-03	6.35E-03	2.28E-06	6.87E-06	3.98E-06	4.07E-06	3.69E-06	1.68E-06	1.59E-06	0.00E+00	0.00E+00	7.32E-07	1.38E-07	8.77E-07	1.35E-07	1.23E-07	2.01E-06	2.07E-06	7.61E-07	1.04E-06	3.87E-07	2.07E-06	7.61E-07
1250	489835.9	3859027	6.19E-03	6.34E-03	5.98E-03	2.14E-06	6.47E-06	3.75E-06	3.84E-06	3.48E-06	1.59E-06	1.50E-06	0.00E+00	0.00E+00	6.89E-07	1.30E-07	8.26E-07	1.27E-07	1.16E-07	1.89E-06	1.95E-06	7.17E-07	9.75E-07	3.64E-07	1.95E-06	7.17E-07
1251	489885.9	3859027	5.86E-03	6.00E-03	5.66E-03	2.03E-06	6.12E-06	3.55E-06	3.63E-06	3.29E-06	1.50E-06	1.42E-06	0.00E+00	0.00E+00	6.52E-07	1.23E-07	7.82E-07	1.21E-07	1.10E-07	1.79E-06	1.85E-06	6.78E-07	9.23E-07	3.45E-07	1.85E-06	6.78E-07

1252	489935.9	3859027	5.56E-03	5.69E-03	5.37E-03	1.92E-06	5.81E-06	3.36E-06	3.45E-06	3.12E-06	1.43E-06	1.34E-06	0.00E+00	0.00E+00	6.19E-07	1.17E-07	7.42E-07	1.14E-07	1.04E-07	1.70E-06	1.75E-06	6.44E-07	8.76E-07	3.27E-07	1.75E-06	6.44E-07
1253	489985.9	3859027	5.29E-03	5.42E-03	5.11E-03	1.83E-06	5.53E-06	3.20E-06	3.28E-06	2.97E-06	1.36E-06	1.28E-06	0.00E+00	0.00E+00	5.89E-07	1.11E-07	7.06E-07	1.09E-07	9.90E-08	1.61E-06	1.67E-06	6.12E-07	8.33E-07	3.11E-07	1.67E-06	6.12E-07
1254	490035.9	3859027	4.94E-03	5.06E-03	4.78E-03	1.71E-06	5.17E-06	2.99E-06	3.06E-06	2.78E-06	1.27E-06	1.20E-06	0.00E+00	0.00E+00	5.50E-07	1.04E-07	6.60E-07	1.02E-07	9.25E-08	1.51E-06	1.56E-06	5.72E-07	7.79E-07	2.91E-07	1.56E-06	5.72E-07
1255	489485.9	3859077	1.27E-02	1.31E-02	1.23E-02	4.41E-06	1.33E-05	7.71E-06	7.90E-06	7.16E-06	3.27E-06	3.08E-06	0.00E+00	0.00E+00	1.42E-06	2.68E-07	1.70E-06	2.62E-07	2.39E-07	3.89E-06	4.02E-06	1.48E-06	2.01E-06	7.50E-07	4.02E-06	1.48E-06
1256	489535.9	3859077	1.13E-02	1.16E-02	1.10E-02	3.93E-06	1.19E-05	6.86E-06	7.03E-06	6.37E-06	2.91E-06	2.74E-06	0.00E+00	0.00E+00	1.26E-06	2.39E-07	1.51E-06	2.33E-07	2.12E-07	3.46E-06	3.58E-06	1.31E-06	1.79E-06	6.68E-07	3.58E-06	1.31E-06
1257	489585.9	3859077	1.02E-02	1.05E-02	9.88E-03	3.54E-06	1.07E-05	6.18E-06	6.33E-06	5.74E-06	2.62E-06	2.47E-06	0.00E+00	0.00E+00	1.14E-06	2.15E-07	1.36E-06	2.10E-07	1.91E-07	3.12E-06	3.23E-06	1.18E-06	1.61E-06	6.02E-07	3.23E-06	1.18E-06
1258	489635.9	3859077	9.33E-03	9.55E-03	9.01E-03	3.23E-06	9.75E-06	5.64E-06	5.78E-06	5.24E-06	2.39E-06	2.25E-06	0.00E+00	0.00E+00	1.04E-06	1.96E-07	1.24E-06	1.92E-07	1.75E-07	2.85E-06	2.94E-06	1.08E-06	1.47E-06	5.49E-07	2.94E-06	1.08E-06
1259	489685.9	3859077	8.58E-03	8.78E-03	8.29E-03	2.97E-06	8.96E-06	5.19E-06	5.31E-06	4.82E-06	2.20E-06	2.07E-06	0.00E+00	0.00E+00	9.55E-07	1.80E-07	1.14E-06	1.77E-07	1.61E-07	2.62E-06	2.71E-06	9.93E-07	1.35E-06	5.05E-07	2.71E-06	9.93E-07
1260	489735.9	3859077	7.94E-03	8.13E-03	7.67E-03	2.75E-06	8.30E-06	4.80E-06	4.92E-06	4.46E-06	2.04E-06	1.92E-06	0.00E+00	0.00E+00	8.84E-07	1.67E-07	1.06E-06	1.63E-07	1.49E-07	2.42E-06	2.51E-06	9.19E-07	1.25E-06	4.67E-07	2.51E-06	9.19E-07
1261	489785.9	3859077	7.40E-03	7.57E-03	7.14E-03	2.56E-06	7.73E-06	4.47E-06	4.58E-06	4.15E-06	1.90E-06	1.79E-06	0.00E+00	0.00E+00	8.23E-07	1.56E-07	9.87E-07	1.52E-07	1.38E-07	2.26E-06	2.33E-06	8.56E-07	1.17E-06	4.35E-07	2.33E-06	8.56E-07
1262	489835.9	3859077	6.91E-03	7.08E-03	6.68E-03	2.39E-06	7.23E-06	4.18E-06	4.29E-06	3.88E-06	1.77E-06	1.67E-06	0.00E+00	0.00E+00	7.70E-07	1.45E-07	9.23E-07	1.42E-07	1.29E-07	2.11E-06	2.18E-06	8.00E-07	1.09E-06	4.07E-07	2.18E-06	8.00E-07
1263	489885.9	3859077	6.49E-03	6.65E-03	6.27E-03	2.25E-06	6.78E-06	3.93E-06	4.02E-06	3.65E-06	1.66E-06	1.57E-06	0.00E+00	0.00E+00	7.23E-07	1.37E-07	8.66E-07	1.34E-07	1.22E-07	1.98E-06	2.05E-06	7.51E-07	1.02E-06	3.82E-07	2.05E-06	7.51E-07
1264	489935.9	3859077	6.13E-03	6.28E-03	5.92E-03	2.12E-06	6.40E-06	3.71E-06	3.80E-06	3.44E-06	1.57E-06	1.48E-06	0.00E+00	0.00E+00	6.82E-07	1.29E-07	8.18E-07	1.26E-07	1.15E-07	1.87E-06	1.93E-06	7.09E-07	9.65E-07	3.61E-07	1.93E-06	7.09E-07
1265	489985.9	3859077	5.79E-03	5.93E-03	5.60E-03	2.00E-06	6.05E-06	3.50E-06	3.59E-06	3.25E-06	1.48E-06	1.40E-06	0.00E+00	0.00E+00	6.45E-07	1.22E-07	7.73E-07	1.19E-07	1.08E-07	1.77E-06	1.83E-06	6.70E-07	9.12E-07	3.41E-07	1.83E-06	6.70E-07
1266	490035.9	3859077	5.40E-03	5.53E-03	5.22E-03	1.87E-06	5.65E-06	3.27E-06	3.35E-06	3.03E-06	1.38E-06	1.31E-06	0.00E+00	0.00E+00	6.01E-07	1.14E-07	7.21E-07	1.11E-07	1.01E-07	1.65E-06	1.70E-06	6.25E-07	8.51E-07	3.18E-07	1.70E-06	6.25E-07
1267	489585.9	3859127	1.25E-02	1.28E-02	1.20E-02	4.31E-06	1.30E-05	7.54E-06	7.72E-06	7.00E-06	3.19E-06	3.01E-06	0.00E+00	0.00E+00	1.39E-06	2.62E-07	1.66E-06	2.56E-07	2.33E-07	3.80E-06	3.93E-06	1.44E-06	1.96E-06	7.33E-07	3.93E-06	1.44E-06
1268	489635.9	3859127	1.11E-02	1.14E-02	1.08E-02	3.86E-06	1.16E-05	6.74E-06	6.90E-06	6.26E-06	2.86E-06	2.69E-06	0.00E+00	0.00E+00	1.24E-06	2.34E-07	1.49E-06	2.29E-07	2.09E-07	3.40E-06	3.52E-06	1.29E-06	1.75E-06	6.56E-07	3.52E-06	1.29E-06
1269	489685.9	3859127	1.01E-02	1.03E-02	9.73E-03	3.49E-06	1.05E-05	6.09E-06	6.24E-06	5.66E-06	2.58E-06	2.44E-06	0.00E+00	0.00E+00	1.12E-06	2.12E-07	1.34E-06	2.07E-07	1.89E-07	3.07E-06	3.18E-06	1.17E-06	1.59E-06	5.93E-07	3.18E-06	1.17E-06
1270	489735.9	3859127	9.19E-03	9.42E-03	8.88E-03	3.18E-06	9.61E-06	5.56E-06	5.70E-06	5.17E-06	2.36E-06	2.22E-06	0.00E+00	0.00E+00	1.02E-06	1.93E-07	1.23E-06	1.89E-07	1.72E-07	2.81E-06	2.90E-06	1.06E-06	1.45E-06	5.41E-07	2.90E-06	1.06E-06
1271	489785.9	3859127	8.46E-03	8.67E-03	8.18E-03	2.93E-06	8.85E-06	5.12E-06	5.25E-06	4.75E-06	2.17E-06	2.05E-06	0.00E+00	0.00E+00	9.42E-07	1.78E-07	1.13E-06	1.74E-07	1.58E-07	2.58E-06	2.67E-06	9.80E-07	1.33E-06	4.98E-07	2.67E-06	9.80E-07
1272	489835.9	3859127	7.84E-03	8.03E-03	7.57E-03	2.71E-06	8.19E-06	4.74E-06	4.86E-06	4.40E-06	2.01E-06	1.89E-06	0.00E+00	0.00E+00	8.72E-07	1.65E-07	1.05E-06	1.61E-07	1.47E-07	2.39E-06	2.47E-06	9.07E-07	1.23E-06	4.61E-07	2.47E-06	9.07E-07
1273	489885.9	3859127	7.29E-03	7.46E-03	7.04E-03	2.52E-06	7.62E-06	4.41E-06	4.52E-06	4.09E-06	1.87E-06	1.76E-06	0.00E+00	0.00E+00	8.11E-07	1.53E-07	9.73E-07	1.50E-07	1.36E-07	2.22E-06	2.30E-06	8.43E-07	1.15E-06	4.29E-07	2.30E-06	8.43E-07
1274	489935.9	3859127	6.82E-03	6.99E-03	6.59E-03	2.36E-06	7.13E-06	4.13E-06	4.23E-06	3.83E-06	1.75E-06	1.65E-06	0.00E+00	0.00E+00	7.60E-07	1.44E-07	9.11E-07	1.40E-07	1.28E-07	2.08E-06	2.15E-06	7.90E-07	1.08E-06	4.02E-07	2.15E-06	7.90E-07
1275	489985.9	3859127	6.38E-03	6.54E-03	6.17E-03	2.21E-06	6.67E-06	3.86E-06	3.96E-06	3.59E-06	1.64E-06	1.54E-06	0.00E+00	0.00E+00	7.11E-07	1.34E-07	8.52E-07	1.31E-07	1.20E-07	1.95E-06	2.01E-06	7.39E-07	1.01E-06	3.76E-07	2.01E-06	7.39E-07
1276	490035.9	3859127	5.97E-03	6.11E-03	5.76E-03	2.07E-06	6.24E-06	3.61E-06	3.70E-06	3.35E-06	1.53E-06	1.44E-06	0.00E+00	0.00E+00	6.64E-07	1.26E-07	7.96E-07	1.23E-07	1.12E-07	1.82E-06	1.88E-06	6.91E-07	9.40E-07	3.51E-07	1.88E-06	6.91E-07
1277	489585.9	3859177	1.59E-02	1.63E-02	1.54E-02	5.52E-06	1.67E-05	9.64E-06	9.88E-06	8.95E-06	4.08E-06	3.85E-06	0.00E+00	0.00E+00	1.77E-06	3.35E-07	2.13E-06	3.28E-07	2.98E-07	4.86E-06	5.03E-06	1.84E-06	2.51E-06	9.38E-07	5.03E-06	1.84E-06
1278	489635.9	3859177	1.38E-02	1.42E-02	1.34E-02	4.79E-06	1.44E-05	8.36E-06	8.57E-06	7.77E-06	3.54E-06	3.34E-06	0.00E+00	0.00E+00	1.54E-06	2.91E-07	1.85E-06	2.85E-07	2.59E-07	4.22E-06	4.36E-06	1.60E-06	2.18E-06	8.14E-07	4.36E-06	1.60E-06
1279	489685.9	3859177	1.22E-02	1.25E-02	1.18E-02	4.23E-06	1.28E-05	7.39E-06	7.57E-06	6.87E-06	3.13E-06	2.96E-06	0.00E+00	0.00E+00	1.36E-06	2.57E-07	1.63E-06	2.52E-07	2.29E-07	3.73E-06	3.86E-06	1.41E-06	1.93E-06	7.19E-07	3.86E-06	1.41E-06
1280	489735.9	3859177	1.10E-02	1.12E-02	1.06E-02	3.79E-06	1.15E-05	6.63E-06	6.79E-06	6.15E-06	2.81E-06	2.65E-06	0.00E+00	0.00E+00	1.22E-06	2.30E-07	1.46E-06	2.26E-07	2.05E-07	3.34E-06	3.46E-06	1.27E-06	1.73E-06	6.45E-07	3.46E-06	1.27E-06
1281	489785.9	3859177	9.91E-03	1.01E-02	9.57E-03	3.43E-06	1.04E-05	6.00E-06	6.14E-06	5.57E-06	2.54E-06	2.40E-06	0.00E+00	0.00E+00	1.10E-06	2.08E-07	1.32E-06	2.04E-07	1.86E-07	3.02E-06	3.13E-06	1.15E-06	1.56E-06	5.83E-07	3.13E-06	1.15E-06
1282	489835.9	3859177	9.05E-03	9.27E-03	8.75E-03	3.13E-06	9.46E-06	5.48E-06	5.61E-06	5.09E-06	2.32E-06	2.19E-06	0.00E+00	0.00E+00	1.01E-06	1.90E-07	1.21E-06	1.86E-07	1.70E-07	2.76E-06	2.86E-06	1.05E-06	1.43E-06	5.33E-07	2.86E-06	1.05E-06
1283	489885.9	3859177	8.33E-03	8.53E-03	8.04E-03	2.88E-06	8.70E-06	5.04E-06	5.16E-06	4.68E-06	2.13E-06	2.01E-06	0.00E+00	0.00E+00	9.27E-07	1.75E-07	1.11E-06	1.71E-07	1.56E-07	2.54E-06	2.63E-06	9.64E-07	1.31E-06	4.90E-07	2.63E-06	9.64E-07
1284	489935.9	3859177	7.72E-03	7.91E-03	7.46E-03	2.67E-06	8.07E-06	4.67E-06	4.79E-06	4.34E-06	1.98E-06	1.87E-06	0.00E+00	0.00E+00	8.60E-07	1.62E-07	1.03E-06	1.59E-07	1.45E-07	2.36E-06	2.44E-06	8.94E-07	1.22E-06	4.55E-07	2.44E-06	8.94E-07
1285	489985.9	3859177	7.16E-03	7.33E-03	6.91E-03	2.48E-06	7.48E-06	4.33E-06	4.44E-06	4.02E-06	1.83E-06	1.73E-06	0.00E+00	0.00E+00	7.97E-07	1.51E-07	9.55E-07	1.47E-07	1.34E-07	2.18E-06	2.26E-06	8.28E-07	1.13E-06	4.21E-07	2.26E-06	8.28E-07
1286	490035.9	3859177	6.71E-03	6.87E-03	6.48E-03	2.32E-06	7.01E-06	4.06E-06	4.16E-06	3.77E-06	1.72E-06	1.62E-06	0.00E+00	0.00E+00	7.47E-07	1.41E-07	8.96E-07	1.38E-07	1.26E-07	2.05E-06	2.12E-06	7.77E-07	1.06E-06	3.95E-07	2.12E-06	7.77E-07
1287	489685.9	3859227	1.55E-02	1.59E-02	1.50E-02	5.38E-06	1.62E-05	9.40E-06	9.62E-06	8.72E-06	3.98E-06	3.75E-06	0.00E+00	0.00E+00	1.73E-06	3.27E-07	2.07E-06	3.20E-07	2.91E-07	4.74E-06	4.90E-06	1.80E-06	2.45E-06	9.14E-07	4.90E-06	1.80E-06
1288	489735.9	3859227	1.35E-02	1.39E-02	1.31E-02	4.69E-06	1.42E-05	8.19E-06	8.39E-06	7.61E-06	3.47E-06	3.27E-06	0.00E+00	0.00E+00	1.51E-06	2.85E-07	1.81E-06	2.79E-07	2.53E-07	4.13E-06	4.27E-06	1.57E-06	2.13E-06	7.97E-07	4.27E-06	1.57E-06
1289	489785.9	3859227	1.20E-02	1.23E-02	1.16E-02	4.15E-06	1.25E-05	7.25E-06	7.42E-06	6.73E-06	3.07E-06	2.90E-06	0.00E+00	0.00E+00	1.33E-06	2.52E-07	1.60E-06	2.47E-07	2.24E-07	3.66E-06	3.78E-06	1.39E-06	1.89E-06	7.05E-07	3.78E-06	1.39E-06
1290	489835.9	3859227	1.07E-02	1.10E-02	1.04E-02	3.71E-06	1.12E-05	6.49E-06	6.65E-06	6.03E-06	2.75E-06	2.59E-06	0.00E+00	0.00E+00	1.19E-06	2.26E-07	1.43E-06	2.21E-07	2.01E-07	3.27E-06	3.39E-06	1.24E-06	1.69E-06	6.31E-07	3.39E-06	1.24E-06
1291	489885.9	3859227	9.72E-03	9.96E-03	9.39E-03	3.37E-06	1.02E-05	5.88E-06	6.02E-06	5.46E-06	2.49E-06	2.35E-06	0.00E+00	0.00E+00	1.08E-06	2.04E-07	1.30E-06	2.00E-07	1.82E-07	2.97E-06	3.07E-06	1.13E-06	1.53E-06	5.72E-07	3.07E-06	1.13E-06
1292	489935.9	3859227	8.89E-03	9.10E-03	8.59E-03	3.08E-06	9.29E-06	5.38E-06	5.51E-06	4.99E-06	2.28E-06	2.15E-06	0.00E+00	0.00E+00	9.89E-07	1.87E-07	1.19E-06	1.83E-07	1.66E-07	2.71E-06	2.80E-06	1.03E-06	1.40E-06	5.23E-07	2.80E-06	1.03E-06
1293	489985.9	3859227	8.12E-03	8.32E-03	7.85E-03	2.81E-06	8.49E-06	4.91E-06	5.03E-06	4.56E-06	2.08E-06	1.96E-06	0.00E+00	0.00E+00	9.04E-07	1.71E-07	1.08E-06	1.67E-07	1.52E-07	2.48E-06	2.56E-06	9.40E-07	1.28E-06	4.78E-07	2.56E-06	9.40E-07
1294	490035.9	3859227	7.56E-03	7.74E-03	7.30E-03	2.62E-06	7.90E-06	4.57E-06	4.68E-06	4.25E-06	1.94E-06	1.83E-06	0.00E+00	0.00E+00	8.41E-07	1.59E-07	1.01E-06	1.56E-07	1.42E-07	2.31E-06	2.39E-06	8.75E-07	1.19E-06	4.45E-07	2.39E-06	8.75E-07
1295	489735.9	3859277	1.77E-02	1.82E-02	1.71E-02	6.14E-06	1.85E-05	1.07E-05	1.10E-05	9.96E-06	4.55E-06	4.29E-06	0.00E+00	0.00E+00	1.97E-06	3.73E-07	2.37E-06	3.65E-07	3.32E-07	5.41E-06	5.60E-06	2.05E-06	2.79E-06	1.04E-06	5.60E-06	2.05E-06
1296	489785.9	3859277	1.52E-02	1.55E-02	1.46E-02	5.25E-06	1.58E-05	9.17E-06	9.39E-06	8.52E-06	3.89E-06	3.67E-06	0.00E+00	0.00E+00	1.69E-06	3.19E-07	2.02E-06	3.12E-07	2.84E-07	4.63E-06	4.78E-06	1.75E-06	2.39E-06	8.92E-07	4.78E-06	1.75E-06
1297	489835.9	3859277	1.32E-02	1.35E-02	1.27E-02	4.57E-06	1.38E-05	7.98E-06	8.18E-06	7.41E-06	3.38E-06	3.19E-06	0.00E+00	0.00E+00	1.47E-06	2.77E-07	1.76E-06	2.72E-07	2.47E-07	4.03E-06	4.16E-06	1.53E-06	2.08E-06	7.77E-07	4.16E-06	1.53E-06
1298	489885.9	3859277	1.17E-02	1.20E-02	1.13E-02	4.05E-06	1.22E-05	7.08E-06	7.25E-06	6.58E-06	3.00E-06	2.83E-06	0.00E+00	0.00E+00	1.30E-06	2.46E-07	1.56E-06	2.41E-07	2.19E-07	3.57E-06	3.69E-06	1.36E-06	1.84E-06	6.89E-07	3.69E-06	1.36E-06
1299	489935.9	3859277	1.05E-02	1.07E-02	1.01E-02	3.63E-06	1.10E-05	6.35E-06	6.50E-06	5.90E-06	2.69E-06	2.54E-06	0.00E+00	0.00E+00	1.17E-06	2.21E-07	1.40E-06	2.16E-07	1.96E-07	3.20E-06	3.31E-06	1.21E-06	1.65E-06	6.18E-07	3.31E-06	1.21E-06
1300	489985.9	3859277	9.42E-03	9.65E-03	9.10E-03	3.26E-06	9.84E-06	5.70E-06	5.84E-06	5.29E-06	2.41E-06	2.28E-06	0.00E+00	0.00E+00	1.05E-06	1.98E-07	1.26E-06	1.94E-07	1.76E-07	2.87E-06	2.97E-06	1.09E-06	1.48E-06	5.54E-07	2.97E-06	1.09E-06
1301	490035.9	3859277	8.71E-03	8.92E-03	8.42E-03	3.02E-06	9.10E-06	5.27E-06	5.40E-06	4.89E-06	2.23E-06	2.11E-06	0.00E+00	0.00E+00	9.70E-07	1.83E-07	1.16E-06	1.79E-07	1.63E-07	2.66E-06	2.75E-06	1.01E-06	1.37E-06	5.13E-07	2.75E-06	1.01E-06
1302	490458.1	3859591	1.47E-02	1.51E-02	1.42E-02	5.09E-06	1.54E-05	8.89E-06	9.11E-06	8.26E-06	3.77E-06	3.55E-06	0.00E+00	0.00E+00	1.64E-06	3.09E-07	1.96E-06	3.03E-07	2.75E-07	4.48E-06	4.64E-06	1.70E-06	2.32E-06	8.65E-07	4.64E-06	1.70E-06
1303	490508.1	3859591	1.30E-02	1.33E-02	1.26E-02	4.50E-06	1.36E-05	7.86E-06	8.05E-06	7.30E-06	3.33E-06	3.14E-06	0.00E+00	0.00E+00	1.45E-06	2.73E-07	1.73E-06	2.68E-07	2.43E-07	3.97E-06	4.10E-06	1.50E-06	2.05E-06	7.65E-07	4.10E-06	1.50E-06
1304	490558.1	3859591	1.16E-02	1.19E-02	1.12E-02	4.01E-06	1.21E-05	7.01E-06	7.18E-06	6.51E-06	2.97E-06	2.80E-06	0.00E+00	0.00E+00	1.29E-06	2.44E-07	1.55E-06	2.38E-07	2.17E-07	3.53E-06	3.66E-06	1.34E-06	1.82E-06	6.82E-07	3.66E-06	1.34E-06
1305	490608.1	3859591	1.04E-02	1.07E-02	1.01E-02	3.61E-06	1.09E-05	6.30E-06	6.46E-06	5.85E-06	2.67E-06	2.52E-06	0.00E+00	0.00E+00	1.16E-06	2.19E-07	1.39E-06	2.14E-07	1.95E-07	3.18E-06	3.29E-06	1.21E-06	1.64E-06	6.13E-07	3.29E-06	1.21E-06
1306	490658.1	3859591	9.44E-03	9.67E-03	9.12E-03	3.27E-06	9.86E-06	5.71E-06	5.85E-06	5.30E-06	2.42E-06	2.28E-06	0.00E+00	0.00E+00	1.05E-06	1.99E-07	1.26E-06	1.94E-07	1.77E-07	2.88E-06	2.98E-06	1.09E-06	1.49E-06	5.56E-07	2.98E-06	1.09E-06
1307	490708.1	3859591	8.60E-03	8.81E-03	8.31E-03	2.98E-06	8.99E-06	5.20E-06	5.33E-06	4.83E-06	2.20E-06	2.08E-06	0.00E+00	0.00E+00	9.57E-07	1.81E-07	1.15E-06	1.77E-07	1.61E-07	2.62E-06	2.71E-06	9.96E-07	1.36E-06	5.06E-07	2.71E-06	9.96E-07
1308	490758.1	3859591	7.86E-03	8.05E-03	7.59E-03	2.72E-06	8.21E-06	4.75E-06	4.87E-06	4.41E-06	2.01E-06	1.90E-06	0.00E+00	0.00E+00	8.74E-07	1.65E-07	1.05E-06	1.62E-07	1.47E-07	2.40E-06	2.48E-06	9.09E-07	1.24E-06	4.62E-07	2.48E-06	9.09E-07
1309	490808.1	3859591	7.26E-03	7.44E-03	7.02E-03	2.51E-06	7.59E-06	4.39E-06	4.50E-06	4.08E-06	1.86E-06	1.76E-06	0.00E+00	0.00E+00	8.08E-07	1.53E-07	9.69E-07	1.49E-07	1.36E-07	2.22E-06	2.29E-06	8.41E-07	1.14E-06	4.28E-07	2.29E-06	8.41E-07
1310	490858.1	3859591	6.73E-03	6.89E-03	6.50E-03	2.33E-06	7.03E-06	4.07E-06	4.17E-06	3.78E-06	1.72E-06	1.63E-06	0.00E+00	0.00E+00	7.49E-07	1.41E-07	8.98E-07	1.38E-07	1.26E-07	2.05E-06	2.12E-06	7.79E-07	1.06E-06	3.96E-07	2.12E-06	7.79E-07
1311	490458.1	3859641	2.12E-02	2.17E-02	2.05E-02	7.34E-06	2.22E-05	1.28E-05	1.31E-05	1.19E-05	5.43E-06	5.13E-06	0.00E+00	0.00E+00	2.36E-06	4.46E-07	2.83E-06	4.36E-07	3.97E-07	6.47E-06	6.69E-06	2.45E-06	3.34E-06	1.25E-06	6.69E-06	2.45E-06
1312	490508.1	3859641	1.80E-02	1.85E-02	1.74E-02	6.24E-06	1.89E-05	1.09E-05	1.12E-05	1.01E-05	4.62E-06	4.36E-06	0.00E+00	0.00E+00	2.01E-06	3.79E-07	2.41E-06	3.71E-07	3.38E-07	5.50E-06	5.69E-06	2.09E-06	2.84E-06	1.06E-06	5.69E-06	2.09E-06
1313	490558.1	3859641	1.56E-02	1.60E-02	1.51E-02	5.42E-06	1.64E-05	9.47E-06	9.70E-06	8.79E-06	4.01E-06	3.78E-06	0.00E+00	0.00E+00	1.74E-06	3.29E-07	2.09E-06	3.22E-07	2.93E-07	4.77E-06	4.94E-06	1.81E-06	2.46E-06	9.21E-07	4.94E-06	1.81E-06
1314	490608.1	3859641	1.36E-02	1.39E-02	1.31E-02	4.70E-06	1.42E-05	8.22E-06	8.42E-06	7.63E-06	3.48E-06	3.29E-06	0.00E+00	0.00E+00	1.51E-06	2.86E-07	1.81E-06	2.80E-07	2.54E-07	4.15E-06	4.29E-06	1.57E-06	2.14E-06	8.00E-07	4.29E-06	1.57E-06
1315	490658.1	3859641	1.19E-02	1.22E-02	1.15E-02	4.13E-06	1.25E-05	7.22E-06	7.39E-06	6.70E-06	3.06E-06	2.88E-06	0.00E+00	0.00E+00	1.33E-06	2.51E-07	1.59E-06	2.46E-07	2.23E-07	3.64E-06	3.76E-06	1.38E-06	1.88E-06	7.02E-07	3.76E-06	1.38E-06
1316	490708.1	3859641	1.07E-02	1.09E-02	1.03E-02	3.69E-06	1.11E-05	6.45E-06	6.61E-06	5.99E-06	2.73E-06	2.58E-06	0.00E+00	0.00E+00	1.19E-06	2.24E-07	1.42E-06	2.20E-07	2.00E-07	3.25E-06	3.37E-06	1.23E-06	1.68E-06	6.28E-07	3.37E-06	1.23E-06
1317	490758.1	3859641	9.58E-03	9.81E-03	9.26E-03	3.32E-06	1.00E-05	5.80E-06	5.94E-06	5.38E-06	2.46E-06	2.32E-06	0.00E+00	0.00E+00	1.07E-06	2.02E-07	1.28E-06	1.97E-07	1.79E-07	2.92E-06	3.02E-06	1.11E-06	1.51E-06	5.64E-07	3.02E-06	1.11E-06
1318	490808.1	3859641	8.76E-03	8.97E-03	8.46E-03	3.03E-06	9.16E-06	5.30E-06	5.43E-06	4.92E-06	2.25E-06	2.12E-06	0.00E+00	0.00E+00	9.75E-07	1.84E-07	1.17E-06	1.80E-07	1.64E-07	2.67E-06	2.77E-06	1.01E-06	1.38E-06	5.16E-07	2.77E-06	1.01E-06
1319	490858.1	3859641	8.06E-03	8.26E-03	7.79E-03	2.79E-06	8.43E-06	4.88E-06	5.00E-06	4.53E-06	2.07E-06	1.95E-06	0.00E+00	0.00E+00	8.97E-07	1.70E-07	1.08E-06	1.66E-07	1.51E-07	2.46E-06	2.54E-06	9.33E-07	1.27E-06	4.75E-07	2.54E-06	9.33E-07
1320	490608.1	3859691	1.92E-02	1.97E-02	1.86E-02	6.66E-06	2.01E-05	1.16E-05	1.19E-05	1.08E-05	4.93E-06	4.65E-06	0.00E+00	0.00E+00	2.14E-06	4.05E-07	2.57E-06	3.96E-07	3.60E-07	5.87E-06	6.07E-06	2.23E-06	3.03E-06	1.13E-06	6.07E-06	2.23E-06
1321	490658.1	3859691	1.61E-02	1.65E-02	1.56E-02	5.59E-06	1.69E-05	9.77E-06	1.00E-05	9.07E-06	4.14E-06	3.90E-06	0.00E+00	0.00E+00	1.80E-06	3.40E-07	2.15E-06	3.32E-07	3.02E-07	4.92E-06	5.09E-06	1.87E-06	2.54E-06	9.50E-07	5.09E-06	1.87E-06
1322	490708.1	3859691	1.40E-02	1.43E-02	1.35E-02	4.83E-06	1.46E-05	8.45E-06	8.65E-06	7.84E-06	3.58E-06	3.38E-06	0.00E+00	0.00E+00	1.55E-06	2.94E-07	1.86E-06	2.87E-07	2.61E-07	4.26E-06	4.41E-06	1.62E-06	2.20E-06	8.22E-07	4.41E-06	1.62E-06
1323	490758.1	3859691	1.22E-02	1.25E-02	1.18E-02	4.23E-06	1.28E-05	7.39E-06	7.57E-06	6.86E-06	3.13E-06	2.95E-06	0.00E+00	0.00E+00	1.36E-06	2.57E-07	1.63E-06	2.51E-07	2.29E-07	3.73E-06	3.86E-06	1.41E-06	1.92E-06	7.19E-07	3.86E-06	1.41E-06
1324	490808.1	3859691	1.09E-02	1.12E-02	1.05E-02	3.77E-06	1.14E-05	6.59E-06	6.75E-06	6.12E-06	2.79E-06	2.63E-06	0.00E+00	0.00E+00	1.21E-06	2.29E-07	1.45E-06	2.24E-07	2.04E-07	3.32E-06	3.44E-06	1.26E-06	1.72E-06	6.41E-07	3.44E-06	1.26E-06
1325	490858.1	3859691	9.97E-03	1.02E-02	9.63E-03	3.45E-06	1.04E-05	6.03E-06	6.18E-06	5.60E-06	2.56E-06	2.41E-06	0.00E+00	0.00E+00	1.11E-06	2.10E-07	1.33E-06	2.05E-07	1.87E-07	3.04E-06	3.15E-06	1.15E-06	1.57E-06	5.87E-07	3.15E-06	1.15E-06

1326	490708.1	3859741	2.02E-02	2.06E-02	1.95E-02	6.98E-06	2.11E-05	1.22E-05	1.25E-05	1.13E-05	5.17E-06	4.87E-06	0.00E+00	0.00E+00	2.24E-06	4.24E-07	2.69E-06	4.15E-07	3.77E-07	6.15E-06	6.36E-06	2.33E-06	3.17E-06	1.19E-06	6.36E-06	2.33E-06
1327	490758.1	3859741	1.71E-02	1.76E-02	1.66E-02	5.93E-06	1.79E-05	1.04E-05	1.06E-05	9.63E-06	4.39E-06	4.14E-06	0.00E+00	0.00E+00	1.91E-06	3.61E-07	2.29E-06	3.53E-07	3.21E-07	5.23E-06	5.41E-06	1.98E-06	2.70E-06	1.01E-06	5.41E-06	1.98E-06
1328	490808.1	3859741	1.48E-02	1.52E-02	1.43E-02	5.12E-06	1.55E-05	8.96E-06	9.17E-06	8.31E-06	3.79E-06	3.58E-06	0.00E+00	0.00E+00	1.65E-06	3.11E-07	1.98E-06	3.05E-07	2.77E-07	4.52E-06	4.67E-06	1.71E-06	2.33E-06	8.71E-07	4.67E-06	1.71E-06
1329	490858.1	3859741	1.31E-02	1.34E-02	1.26E-02	4.52E-06	1.36E-05	7.90E-06	8.09E-06	7.33E-06	3.35E-06	3.16E-06	0.00E+00	0.00E+00	1.45E-06	2.75E-07	1.74E-06	2.69E-07	2.44E-07	3.98E-06	4.12E-06	1.51E-06	2.06E-06	7.68E-07	4.12E-06	1.51E-06
1330	490786.6	3859749	1.68E-02	1.72E-02	1.62E-02	5.81E-06	1.75E-05	1.02E-05	1.04E-05	9.42E-06	4.30E-06	4.06E-06	0.00E+00	0.00E+00	1.87E-06	3.53E-07	2.24E-06	3.45E-07	3.14E-07	5.12E-06	5.29E-06	1.94E-06	2.64E-06	9.88E-07	5.29E-06	1.94E-06
1331	490836.6	3859749	1.45E-02	1.49E-02	1.40E-02	5.03E-06	1.52E-05	8.79E-06	9.01E-06	8.16E-06	3.73E-06	3.51E-06	0.00E+00	0.00E+00	1.62E-06	3.06E-07	1.94E-06	2.99E-07	2.72E-07	4.43E-06	4.59E-06	1.68E-06	2.29E-06	8.56E-07	4.59E-06	1.68E-06
1332	490786.6	3859799	2.67E-02	2.73E-02	2.57E-02	9.23E-06	2.79E-05	1.61E-05	1.65E-05	1.50E-05	6.83E-06	6.44E-06	0.00E+00	0.00E+00	2.97E-06	5.61E-07	3.56E-06	5.49E-07	4.99E-07	8.13E-06	8.41E-06	3.09E-06	4.20E-06	1.57E-06	8.41E-06	3.09E-06
1333	490836.6	3859799	2.15E-02	2.21E-02	2.08E-02	7.45E-06	2.25E-05	1.30E-05	1.33E-05	1.21E-05	5.52E-06	5.21E-06	0.00E+00	0.00E+00	2.40E-06	4.53E-07	2.87E-06	4.43E-07	4.03E-07	6.57E-06	6.79E-06	2.49E-06	3.39E-06	1.27E-06	6.79E-06	2.49E-06
1334	492307.8	3854508	6.49E-04	6.65E-04	6.27E-04	2.25E-07	6.79E-07	3.93E-07	4.02E-07	3.65E-07	1.66E-07	1.57E-07	0.00E+00	0.00E+00	7.23E-08	1.37E-08	8.67E-08	1.34E-08	1.22E-08	1.98E-07	2.05E-07	7.52E-08	1.02E-07	3.82E-08	2.05E-07	7.52E-08
1335	486445.7	3854754	9.79E-04	1.00E-03	9.45E-04	3.39E-07	1.02E-06	5.92E-07	6.06E-07	5.50E-07	2.51E-07	2.37E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.01E-08	1.83E-08	2.99E-07	3.09E-07	1.13E-07	1.54E-07	5.76E-08	3.09E-07	1.13E-07
1336	472599.8	3877830	5.90E-05	6.05E-05	5.70E-05	2.04E-08	6.17E-08	3.57E-08	3.66E-08	3.32E-08	1.51E-08	1.43E-08	0.00E+00	0.00E+00	6.57E-09	1.24E-09	7.88E-09	1.22E-09	1.11E-09	1.80E-08	1.86E-08	6.83E-09	9.30E-09	3.48E-09	1.86E-08	6.83E-09
1337	493107.5	3866840	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	0.00E+00	0.00E+00	1.43E-08	2.70E-09	1.71E-08	2.64E-09	2.40E-09	3.92E-08	4.05E-08	1.49E-08	2.02E-08	7.56E-09	4.05E-08	1.49E-08
1338	495815.8	3861663	5.68E-03	5.82E-03	5.49E-03	1.97E-06	5.93E-06	3.44E-06	3.52E-06	3.19E-06	1.46E-06	1.37E-06	0.00E+00	0.00E+00	6.32E-07	1.19E-07	7.58E-07	1.17E-07	1.06E-07	1.73E-06	1.79E-06	6.57E-07	8.94E-07	3.34E-07	1.79E-06	6.57E-07
1339	480272.3	3841389	1.06E-04	1.09E-04	1.03E-04	3.68E-08	1.11E-07	6.43E-08	6.59E-08	5.97E-08	2.72E-08	2.57E-08	0.00E+00	0.00E+00	1.18E-08	2.24E-09	1.42E-08	2.19E-09	1.99E-09	3.24E-08	3.35E-08	1.23E-08	1.67E-08	6.26E-09	3.35E-08	1.23E-08
1340	497005.2	3862814	1.97E-03	2.02E-03	1.91E-03	6.84E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	5.06E-07	4.77E-07	0.00E+00	0.00E+00	2.20E-07	4.15E-08	2.64E-07	4.06E-08	3.70E-08	6.03E-07	6.23E-07	2.29E-07	3.11E-07	1.16E-07	6.23E-07	2.29E-07
1341	493677.3	3860303	2.18E-03	2.23E-03	2.11E-03	7.55E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.59E-07	5.27E-07	0.00E+00	0.00E+00	2.43E-07	4.59E-08	2.91E-07	4.49E-08	4.08E-08	6.65E-07	6.88E-07	2.52E-07	3.43E-07	1.28E-07	6.88E-07	2.52E-07
1342	493727.3	3860303	2.14E-03	2.19E-03	2.07E-03	7.42E-07	2.24E-06	1.30E-06	1.33E-06	1.20E-06	5.49E-07	5.18E-07	0.00E+00	0.00E+00	2.39E-07	4.51E-08	2.86E-07	4.41E-08	4.01E-08	6.54E-07	6.76E-07	2.48E-07	3.38E-07	1.26E-07	6.76E-07	2.48E-07
1343	493777.3	3860303	2.10E-03	2.15E-03	2.03E-03	7.28E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.39E-07	5.09E-07	0.00E+00	0.00E+00	2.34E-07	4.42E-08	2.81E-07	4.33E-08	3.94E-08	6.42E-07	6.64E-07	2.43E-07	3.31E-07	1.24E-07	6.64E-07	2.43E-07
1344	493827.3	3860303	2.06E-03	2.11E-03	1.99E-03	7.15E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	4.99E-07	0.00E+00	0.00E+00	2.30E-07	4.34E-08	2.76E-07	4.25E-08	3.87E-08	6.30E-07	6.52E-07	2.39E-07	3.25E-07	1.22E-07	6.52E-07	2.39E-07
1345	493877.3	3860303	2.04E-03	2.08E-03	1.97E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.22E-07	4.92E-07	0.00E+00	0.00E+00	2.27E-07	4.28E-08	2.72E-07	4.19E-08	3.81E-08	6.21E-07	6.42E-07	2.36E-07	3.21E-07	1.20E-07	6.42E-07	2.36E-07
1346	493927.3	3860303	2.01E-03	2.06E-03	1.94E-03	6.96E-07	2.10E-06	1.22E-06	1.25E-06	1.13E-06	5.15E-07	4.86E-07	0.00E+00	0.00E+00	2.24E-07	4.23E-08	2.68E-07	4.14E-08	3.76E-08	6.13E-07	6.34E-07	2.33E-07	3.17E-07	1.18E-07	6.34E-07	2.33E-07
1347	493977.3	3860303	1.96E-03	2.00E-03	1.89E-03	6.77E-07	2.05E-06	1.18E-06	1.21E-06	1.10E-06	5.02E-07	4.73E-07	0.00E+00	0.00E+00	2.18E-07	4.12E-08	2.61E-07	4.03E-08	3.66E-08	5.97E-07	6.18E-07	2.27E-07	3.08E-07	1.15E-07	6.18E-07	2.27E-07
1348	494027.3	3860303	1.92E-03	1.97E-03	1.86E-03	6.65E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.92E-07	4.64E-07	0.00E+00	0.00E+00	2.14E-07	4.04E-08	2.56E-07	3.95E-08	3.59E-08	5.86E-07	6.06E-07	2.22E-07	3.02E-07	1.13E-07	6.06E-07	2.22E-07
1349	493677.3	3860353	2.25E-03	2.30E-03	2.17E-03	7.78E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.76E-07	5.43E-07	0.00E+00	0.00E+00	2.50E-07	4.73E-08	3.00E-07	4.63E-08	4.21E-08	6.86E-07	7.09E-07	2.60E-07	3.54E-07	1.32E-07	7.09E-07	2.60E-07
1350	493727.3	3860353	2.21E-03	2.27E-03	2.14E-03	7.66E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.35E-07	0.00E+00	0.00E+00	2.46E-07	4.66E-08	2.95E-07	4.56E-08	4.14E-08	6.76E-07	6.99E-07	2.56E-07	3.49E-07	1.30E-07	6.99E-07	2.56E-07
1351	493777.3	3860353	2.18E-03	2.23E-03	2.11E-03	7.55E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.59E-07	5.27E-07	0.00E+00	0.00E+00	2.43E-07	4.59E-08	2.91E-07	4.49E-08	4.08E-08	6.65E-07	6.88E-07	2.52E-07	3.43E-07	1.28E-07	6.88E-07	2.52E-07
1352	493827.3	3860353	2.14E-03	2.20E-03	2.07E-03	7.42E-07	2.24E-06	1.30E-06	1.33E-06	1.20E-06	5.50E-07	5.19E-07	0.00E+00	0.00E+00	2.39E-07	4.51E-08	2.86E-07	4.41E-08	4.01E-08	6.54E-07	6.77E-07	2.48E-07	3.38E-07	1.26E-07	6.77E-07	2.48E-07
1353	493877.3	3860353	2.10E-03	2.16E-03	2.03E-03	7.29E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.39E-07	5.09E-07	0.00E+00	0.00E+00	2.34E-07	4.43E-08	2.81E-07	4.33E-08	3.94E-08	6.42E-07	6.64E-07	2.44E-07	3.32E-07	1.24E-07	6.64E-07	2.44E-07
1354	493927.3	3860353	2.06E-03	2.11E-03	1.99E-03	7.13E-07	2.15E-06	1.25E-06	1.28E-06	1.16E-06	5.28E-07	4.98E-07	0.00E+00	0.00E+00	2.29E-07	4.33E-08	2.75E-07	4.24E-08	3.85E-08	6.28E-07	6.50E-07	2.38E-07	3.24E-07	1.21E-07	6.50E-07	2.38E-07
1355	493977.3	3860353	2.01E-03	2.06E-03	1.94E-03	6.96E-07	2.10E-06	1.22E-06	1.25E-06	1.13E-06	5.15E-07	4.86E-07	0.00E+00	0.00E+00	2.24E-07	4.23E-08	2.68E-07	4.14E-08	3.76E-08	6.13E-07	6.34E-07	2.33E-07	3.17E-07	1.18E-07	6.34E-07	2.33E-07
1356	494027.3	3860353	1.98E-03	2.03E-03	1.91E-03	6.86E-07	2.07E-06	1.20E-06	1.23E-06	1.11E-06	5.08E-07	4.79E-07	0.00E+00	0.00E+00	2.20E-07	4.17E-08	2.64E-07	4.08E-08	3.71E-08	6.04E-07	6.25E-07	2.29E-07	3.12E-07	1.17E-07	6.25E-07	2.29E-07
1357	493677.3	3860403	2.33E-03	2.39E-03	2.25E-03	8.08E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.98E-07	5.64E-07	0.00E+00	0.00E+00	2.60E-07	4.91E-08	3.11E-07	4.80E-08	4.37E-08	7.12E-07	7.36E-07	2.70E-07	3.68E-07	1.37E-07	7.36E-07	2.70E-07
1358	493727.3	3860403	2.30E-03	2.35E-03	2.22E-03	7.95E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.89E-07	5.55E-07	0.00E+00	0.00E+00	2.56E-07	4.83E-08	3.07E-07	4.73E-08	4.30E-08	7.01E-07	7.25E-07	2.66E-07	3.62E-07	1.35E-07	7.25E-07	2.66E-07
1359	493777.3	3860403	2.24E-03	2.29E-03	2.16E-03	7.75E-07	2.34E-06	1.35E-06	1.39E-06	1.26E-06	5.74E-07	5.41E-07	0.00E+00	0.00E+00	2.49E-07	4.71E-08	2.99E-07	4.61E-08	4.19E-08	6.83E-07	7.06E-07	2.59E-07	3.52E-07	1.32E-07	7.06E-07	2.59E-07
1360	493827.3	3860403	2.21E-03	2.27E-03	2.14E-03	7.66E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.35E-07	0.00E+00	0.00E+00	2.46E-07	4.65E-08	2.95E-07	4.55E-08	4.14E-08	6.75E-07	6.98E-07	2.56E-07	3.49E-07	1.30E-07	6.98E-07	2.56E-07
1361	493877.3	3860403	2.18E-03	2.23E-03	2.10E-03	7.54E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.58E-07	5.27E-07	0.00E+00	0.00E+00	2.42E-07	4.58E-08	2.91E-07	4.48E-08	4.08E-08	6.65E-07	6.88E-07	2.52E-07	3.43E-07	1.28E-07	6.88E-07	2.52E-07
1362	493927.3	3860403	2.12E-03	2.18E-03	2.05E-03	7.35E-07	2.22E-06	1.29E-06	1.32E-06	1.19E-06	5.44E-07	5.14E-07	0.00E+00	0.00E+00	2.36E-07	4.47E-08	2.83E-07	4.37E-08	3.98E-08	6.48E-07	6.70E-07	2.46E-07	3.35E-07	1.25E-07	6.70E-07	2.46E-07
1363	493977.3	3860403	2.07E-03	2.12E-03	2.00E-03	7.17E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.31E-07	5.01E-07	0.00E+00	0.00E+00	2.30E-07	4.36E-08	2.76E-07	4.26E-08	3.88E-08	6.32E-07	6.54E-07	2.40E-07	3.26E-07	1.22E-07	6.54E-07	2.40E-07
1364	494027.3	3860403	2.04E-03	2.09E-03	1.97E-03	7.08E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.24E-07	4.94E-07	0.00E+00	0.00E+00	2.28E-07	4.30E-08	2.73E-07	4.21E-08	3.83E-08	6.24E-07	6.45E-07	2.37E-07	3.22E-07	1.20E-07	6.45E-07	2.37E-07
1365	493677.3	3860453	2.41E-03	2.47E-03	2.33E-03	8.34E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.17E-07	5.82E-07	0.00E+00	0.00E+00	2.68E-07	5.07E-08	3.22E-07	4.96E-08	4.51E-08	7.35E-07	7.60E-07	2.79E-07	3.79E-07	1.42E-07	7.60E-07	2.79E-07
1366	493727.3	3860453	2.39E-03	2.44E-03	2.30E-03	8.26E-07	2.49E-06	1.44E-06	1.48E-06	1.34E-06	6.11E-07	5.77E-07	0.00E+00	0.00E+00	2.65E-07	5.02E-08	3.18E-07	4.91E-08	4.47E-08	7.28E-07	7.53E-07	2.76E-07	3.76E-07	1.40E-07	7.53E-07	2.76E-07
1367	493777.3	3860453	2.34E-03	2.40E-03	2.26E-03	8.11E-07	2.45E-06	1.42E-06	1.45E-06	1.32E-06	6.01E-07	5.67E-07	0.00E+00	0.00E+00	2.61E-07	4.93E-08	3.13E-07	4.82E-08	4.39E-08	7.15E-07	7.40E-07	2.71E-07	3.69E-07	1.38E-07	7.40E-07	2.71E-07
1368	493827.3	3860453	2.29E-03	2.35E-03	2.21E-03	7.93E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.88E-07	5.54E-07	0.00E+00	0.00E+00	2.55E-07	4.82E-08	3.06E-07	4.72E-08	4.29E-08	6.99E-07	7.23E-07	2.65E-07	3.61E-07	1.35E-07	7.23E-07	2.65E-07
1369	493877.3	3860453	2.24E-03	2.30E-03	2.17E-03	7.77E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.75E-07	5.43E-07	0.00E+00	0.00E+00	2.50E-07	4.72E-08	3.00E-07	4.62E-08	4.20E-08	6.85E-07	7.08E-07	2.60E-07	3.54E-07	1.32E-07	7.08E-07	2.60E-07
1370	493927.3	3860453	2.18E-03	2.24E-03	2.11E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.23E-06	5.60E-07	5.28E-07	0.00E+00	0.00E+00	2.43E-07	4.59E-08	2.91E-07	4.49E-08	4.09E-08	6.66E-07	6.89E-07	2.53E-07	3.44E-07	1.28E-07	6.89E-07	2.53E-07
1371	493977.3	3860453	2.15E-03	2.20E-03	2.08E-03	7.44E-07	2.25E-06	1.30E-06	1.33E-06	1.21E-06	5.51E-07	5.20E-07	0.00E+00	0.00E+00	2.39E-07	4.52E-08	2.87E-07	4.42E-08	4.02E-08	6.56E-07	6.78E-07	2.49E-07	3.39E-07	1.27E-07	6.78E-07	2.49E-07
1372	494027.3	3860453	2.12E-03	2.17E-03	2.04E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.43E-07	5.12E-07	0.00E+00	0.00E+00	2.36E-07	4.45E-08	2.82E-07	4.36E-08	3.96E-08	6.46E-07	6.68E-07	2.45E-07	3.33E-07	1.25E-07	6.68E-07	2.45E-07
1373	493677.3	3860503	2.50E-03	2.56E-03	2.41E-03	8.64E-07	2.61E-06	1.51E-06	1.55E-06	1.40E-06	6.40E-07	6.03E-07	0.00E+00	0.00E+00	2.78E-07	5.25E-08	3.33E-07	5.14E-08	4.67E-08	7.62E-07	7.88E-07	2.89E-07	3.93E-07	1.47E-07	7.88E-07	2.89E-07
1374	493727.3	3860503	2.46E-03	2.52E-03	2.38E-03	8.53E-07	2.58E-06	1.49E-06	1.53E-06	1.38E-06	6.32E-07	5.96E-07	0.00E+00	0.00E+00	2.74E-07	5.18E-08	3.29E-07	5.07E-08	4.61E-08	7.52E-07	7.78E-07	2.85E-07	3.88E-07	1.45E-07	7.78E-07	2.85E-07
1375	493777.3	3860503	2.42E-03	2.48E-03	2.34E-03	8.38E-07	2.53E-06	1.46E-06	1.50E-06	1.36E-06	6.20E-07	5.85E-07	0.00E+00	0.00E+00	2.69E-07	5.09E-08	3.23E-07	4.98E-08	4.53E-08	7.39E-07	7.64E-07	2.80E-07	3.81E-07	1.42E-07	7.64E-07	2.80E-07
1376	493827.3	3860503	2.38E-03	2.44E-03	2.30E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.10E-07	5.75E-07	0.00E+00	0.00E+00	2.65E-07	5.00E-08	3.18E-07	4.90E-08	4.45E-08	7.26E-07	7.51E-07	2.75E-07	3.75E-07	1.40E-07	7.51E-07	2.75E-07
1377	493877.3	3860503	2.32E-03	2.38E-03	2.25E-03	8.05E-07	2.43E-06	1.41E-06	1.44E-06	1.31E-06	5.96E-07	5.62E-07	0.00E+00	0.00E+00	2.59E-07	4.89E-08	3.10E-07	4.78E-08	4.35E-08	7.09E-07	7.34E-07	2.69E-07	3.66E-07	1.37E-07	7.34E-07	2.69E-07
1378	493927.3	3860503	2.27E-03	2.32E-03	2.19E-03	7.85E-07	2.37E-06	1.37E-06	1.40E-06	1.27E-06	5.81E-07	5.48E-07	0.00E+00	0.00E+00	2.52E-07	4.77E-08	3.03E-07	4.67E-08	4.24E-08	6.92E-07	7.15E-07	2.62E-07	3.57E-07	1.33E-07	7.15E-07	2.62E-07
1379	493977.3	3860503	2.23E-03	2.29E-03	2.16E-03	7.73E-07	2.34E-06	1.35E-06	1.38E-06	1.26E-06	5.73E-07	5.40E-07	0.00E+00	0.00E+00	2.49E-07	4.70E-08	2.98E-07	4.60E-08	4.18E-08	6.82E-07	7.05E-07	2.59E-07	3.52E-07	1.32E-07	7.05E-07	2.59E-07
1380	494027.3	3860503	2.20E-03	2.25E-03	2.12E-03	7.61E-07	2.30E-06	1.33E-06	1.36E-06	1.23E-06	5.63E-07	5.31E-07	0.00E+00	0.00E+00	2.45E-07	4.62E-08	2.93E-07	4.52E-08	4.11E-08	6.71E-07	6.94E-07	2.54E-07	3.46E-07	1.29E-07	6.94E-07	2.54E-07
1381	493627.3	3860553	2.64E-03	2.71E-03	2.55E-03	9.15E-07	2.76E-06	1.60E-06	1.64E-06	1.48E-06	6.77E-07	6.39E-07	0.00E+00	0.00E+00	2.94E-07	5.56E-08	3.53E-07	5.44E-08	4.95E-08	8.06E-07	8.34E-07	3.06E-07	4.16E-07	1.56E-07	8.34E-07	3.06E-07
1382	493677.3	3860553	2.60E-03	2.67E-03	2.52E-03	9.02E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.68E-07	6.30E-07	0.00E+00	0.00E+00	2.90E-07	5.48E-08	3.48E-07	5.36E-08	4.88E-08	7.95E-07	8.22E-07	3.02E-07	4.10E-07	1.53E-07	8.22E-07	3.02E-07
1383	493727.3	3860553	2.57E-03	2.63E-03	2.48E-03	8.88E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.58E-07	6.20E-07	0.00E+00	0.00E+00	2.86E-07	5.40E-08	3.42E-07	5.28E-08	4.80E-08	7.83E-07	8.10E-07	2.97E-07	4.04E-07	1.51E-07	8.10E-07	2.97E-07
1384	493777.3	3860553	2.51E-03	2.58E-03	2.43E-03	8.71E-07	2.63E-06	1.52E-06	1.56E-06	1.41E-06	6.45E-07	6.08E-07	0.00E+00	0.00E+00	2.80E-07	5.29E-08	3.36E-07	5.18E-08	4.71E-08	7.67E-07	7.94E-07	2.91E-07	3.96E-07	1.48E-07	7.94E-07	2.91E-07
1385	493827.3	3860553	2.46E-03	2.52E-03	2.37E-03	8.51E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.30E-07	5.94E-07	0.00E+00	0.00E+00	2.74E-07	5.17E-08	3.28E-07	5.06E-08	4.60E-08	7.50E-07	7.76E-07	2.84E-07	3.87E-07	1.45E-07	7.76E-07	2.84E-07
1386	493877.3	3860553	2.42E-03	2.48E-03	2.34E-03	8.37E-07	2.53E-06	1.46E-06	1.50E-06	1.36E-06	6.20E-07	5.85E-07	0.00E+00	0.00E+00	2.69E-07	5.09E-08	3.23E-07	4.98E-08	4.53E-08	7.38E-07	7.63E-07	2.80E-07	3.81E-07	1.42E-07	7.63E-07	2.80E-07
1387	493927.3	3860553	2.37E-03	2.42E-03	2.29E-03	8.19E-07	2.47E-06	1.43E-06	1.47E-06	1.33E-06	6.07E-07	5.72E-07	0.00E+00	0.00E+00	2.64E-07	4.98E-08	3.16E-07	4.87E-08	4.43E-08	7.22E-07	7.47E-07	2.74E-07	3.73E-07	1.39E-07	7.47E-07	2.74E-07
1388	493977.3	3860553	2.31E-03	2.37E-03	2.24E-03	8.01E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.93E-07	5.60E-07	0.00E+00	0.00E+00	2.58E-07	4.87E-08	3.09E-07	4.76E-08	4.33E-08	7.06E-07	7.30E-07	2.68E-07	3.65E-07	1.36E-07	7.30E-07	2.68E-07
1389	494027.3	3860553	2.28E-03	2.34E-03	2.20E-03	7.90E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.85E-07	5.52E-07	0.00E+00	0.00E+00	2.54E-07	4.80E-08	3.05E-07	4.70E-08	4.27E-08	6.96E-07	7.20E-07	2.64E-07	3.59E-07	1.34E-07	7.20E-07	2.64E-07
1390	493627.3	3860603	2.75E-03	2.81E-03	2.65E-03	9.51E-07	2.87E-06	1.66E-06	1.70E-06	1.54E-06	7.04E-07	6.64E-07	0.00E+00	0.00E+00	3.06E-07	5.78E-08	3.67E-07	5.66E-08	5.15E-08	8.39E-07	8.67E-07	3.18E-07	4.33E-07	1.62E-07	8.67E-07	3.18E-07
1391	493727.3	3860603	2.68E-03	2.74E-03	2.59E-03	9.27E-07	2.80E-06	1.62E-06	1.66E-06	1.50E-06	6.86E-07	6.47E-07	0.00E+00	0.00E+00	2.98E-07	5.63E-08	3.57E-07	5.51E-08	5.01E-08	8.17E-07	8.45E-07	3.10E-07	4.22E-07	1.58E-07	8.45E-07	3.10E-07
1392	493777.3	3860603	2.61E-03	2.67E-03	2.52E-03	9.04E-07	2.73E-06	1.58E-06	1.62E-06	1.47E-06	6.69E-07	6.31E-07	0.00E+00	0.00E+00	2.91E-07	5.49E-08	3.48E-07	5.37E-08	4.89E-08	7.97E-07	8.24E-07	3.02E-07	4.11E-07	1.54E-07	8.24E-07	3.02E-07
1393	493827.3	3860603	2.56E-03	2.62E-03	2.48E-03	8.87E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.57E-07	6.19E-07	0.00E+00	0.00E+00	2.85E-07	5.39E-08	3.42E-07	5.27E-08	4.80E-08	7.82E-07	8.09E-07	2.97E-07	4.04E-07	1.51E-07	8.09E-07	2.97E-07
1394	493877.3	3860603	2.50E-03	2.56E-03	2.42E-03	8.66E-07	2.62E-06	1.51E-06	1.55E-06	1.41E-06	6.42E-07	6.05E-07	0.00E+00	0.00E+00	2.79E-07	5.27E-08	3.34E-07	5.15E-08	4.69E-08	7.64E-07	7.90E-07	2.90E-07	3.94E-07	1.47E-07	7.90E-07	2.90E-07
1395	493927.3	3860603	2.45E-03	2.51E-03	2.37E-03	8.50E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.29E-07	5.93E-07	0.00E+00	0.00E+00	2.73E-07	5.16E-08	3.28E-07	5.05E-08	4.60E-08	7.49E-07	7.75E-07	2.84E-07	3.87E-07	1.44E-07	7.75E-07	2.84E-07
1396	493977.3	3860603	2.41E-03	2.46E-03	2.32E-03	8.33E-07	2.51E-06	1.46E-06	1.49E-06	1.35E-06	6.17E-07	5.82E-07	0.00E+00	0.00E+00	2.68E-07	5.06E-08	3.21E-07	4.95E-08	4.50E-08	7.34E-07	7.59E-07	2.78E-07	3.79E-07	1.42E-07	7.59E-07	2.78E-07
1397	494027.3	3860603	2.37E-03	2.43E-03	2.29E-03	8.22E-07	2.48E-06	1.44E-06	1.47E-06	1.33E-06	6.09E-07	5.74E-07	0.00E+00	0.00E+00	2.64E-07	5.00E-08	3.17E-07	4.89E-08	4.45E-08	7.25E-07	7.49E-07	2.75E-07	3.74E-07	1.40E-07	7.49E-07	2.75E-07
1398	493627.3	3860653	2.87E-03	2.94E-03	2.77E-03	9.94E-07	3.00E-06	1.74E-06	1.78E-06	1.61E-06	7.36E-07	6.94E-07	0.00E+00	0.00E+00	3.20E-07	6.04E-08	3.83E-07	5.91E-08	5.38E-08	8.76E-07	9.06E-07	3.32E-07	4.52E-07	1.69E-07	9.06E-07	3.32E-07
1399	493727.3	3860653	2.79E-03	2.86E-03	2.69E-03	9.66E-07	2.92E-06	1.69E-06	1.73E-06	1.57E-06	7.15E-07	6.74E-07	0.00E+00	0.00E+00	3.11E-07	5.87E-08	3.72E-07	5.74E-08	5.22E-08	8.51E-07	8.80E-07	3.23E-07	4.39E-07	1.64E-07	8.80E-07	3.23E-07

1400	493777.3	3860653	2.73E-03	2.79E-03	2.63E-03	9.44E-07	2.85E-06	1.65E-06	1.69E-06	1.53E-06	6.99E-07	6.59E-07	0.00E+00	0.00E+00	3.03E-07	5.73E-08	3.64E-07	5.61E-08	5.10E-08	8.32E-07	8.60E-07	3.16E-07	4.29E-07	1.60E-07	8.60E-07	3.16E-07
1401	493827.3	3860653	2.67E-03	2.73E-03	2.58E-03	9.23E-07	2.79E-06	1.61E-06	1.65E-06	1.50E-06	6.83E-07	6.44E-07	0.00E+00	0.00E+00	2.97E-07	5.61E-08	3.56E-07	5.49E-08	4.99E-08	8.13E-07	8.41E-07	3.09E-07	4.20E-07	1.57E-07	8.41E-07	3.09E-07
1402	493877.3	3860653	2.60E-03	2.66E-03	2.51E-03	9.01E-07	2.72E-06	1.57E-06	1.61E-06	1.46E-06	6.67E-07	6.29E-07	0.00E+00	0.00E+00	2.90E-07	5.47E-08	3.47E-07	5.36E-08	4.87E-08	7.94E-07	8.21E-07	3.01E-07	4.10E-07	1.53E-07	8.21E-07	3.01E-07
1403	493927.3	3860653	2.55E-03	2.62E-03	2.47E-03	8.84E-07	2.67E-06	1.54E-06	1.58E-06	1.43E-06	6.54E-07	6.17E-07	0.00E+00	0.00E+00	2.84E-07	5.37E-08	3.41E-07	5.26E-08	4.78E-08	7.79E-07	8.06E-07	2.96E-07	4.02E-07	1.50E-07	8.06E-07	2.96E-07
1404	493977.3	3860653	2.51E-03	2.57E-03	2.42E-03	8.69E-07	2.62E-06	1.52E-06	1.55E-06	1.41E-06	6.43E-07	6.07E-07	0.00E+00	0.00E+00	2.79E-07	5.28E-08	3.35E-07	5.16E-08	4.70E-08	7.66E-07	7.92E-07	2.90E-07	3.95E-07	1.48E-07	7.92E-07	2.90E-07
1405	494027.3	3860653	2.46E-03	2.52E-03	2.37E-03	8.50E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.30E-07	5.94E-07	0.00E+00	0.00E+00	2.73E-07	5.17E-08	3.28E-07	5.06E-08	4.60E-08	7.49E-07	7.75E-07	2.84E-07	3.87E-07	1.45E-07	7.75E-07	2.84E-07
1406	494311.1	3858402	6.85E-04	7.01E-04	6.62E-04	2.37E-07	7.16E-07	4.14E-07	4.24E-07	3.85E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.62E-08	1.44E-08	9.14E-08	1.41E-08	1.28E-08	2.09E-07	2.16E-07	7.93E-08	1.08E-07	4.03E-08	2.16E-07	7.93E-08
1407	494361.1	3858402	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	0.00E+00	0.00E+00	7.56E-08	1.43E-08	9.06E-08	1.40E-08	1.27E-08	2.07E-07	2.14E-07	7.86E-08	1.07E-07	4.00E-08	2.14E-07	7.86E-08
1408	494411.1	3858402	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.49E-08	1.42E-08	8.98E-08	1.39E-08	1.26E-08	2.05E-07	2.12E-07	7.79E-08	1.06E-07	3.96E-08	2.12E-07	7.79E-08
1409	494461.1	3858402	6.70E-04	6.86E-04	6.47E-04	2.32E-07	7.00E-07	4.05E-07	4.15E-07	3.76E-07	1.72E-07	1.62E-07	0.00E+00	0.00E+00	7.46E-08	1.41E-08	8.94E-08	1.38E-08	1.25E-08	2.04E-07	2.11E-07	7.76E-08	1.06E-07	3.94E-08	2.11E-07	7.76E-08
1410	494511.1	3858402	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	0.00E+00	0.00E+00	7.41E-08	1.40E-08	8.88E-08	1.37E-08	1.25E-08	2.03E-07	2.10E-07	7.71E-08	1.05E-07	3.92E-08	2.10E-07	7.71E-08
1411	494561.1	3858402	6.63E-04	6.79E-04	6.40E-04	2.29E-07	6.93E-07	4.01E-07	4.11E-07	3.72E-07	1.70E-07	1.60E-07	0.00E+00	0.00E+00	7.38E-08	1.39E-08	8.85E-08	1.36E-08	1.24E-08	2.02E-07	2.09E-07	7.67E-08	1.04E-07	3.90E-08	2.09E-07	7.67E-08
1412	494611.1	3858402	6.57E-04	6.73E-04	6.35E-04	2.27E-07	6.86E-07	3.97E-07	4.07E-07	3.69E-07	1.68E-07	1.59E-07	0.00E+00	0.00E+00	7.31E-08	1.38E-08	8.77E-08	1.35E-08	1.23E-08	2.00E-07	2.07E-07	7.60E-08	1.03E-07	3.87E-08	2.07E-07	7.60E-08
1413	494661.1	3858402	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	0.00E+00	0.00E+00	7.26E-08	1.37E-08	8.71E-08	1.34E-08	1.22E-08	1.99E-07	2.06E-07	7.55E-08	1.03E-07	3.84E-08	2.06E-07	7.55E-08
1414	494711.1	3858402	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	0.00E+00	0.00E+00	7.20E-08	1.36E-08	8.63E-08	1.33E-08	1.21E-08	1.97E-07	2.04E-07	7.48E-08	1.02E-07	3.81E-08	2.04E-07	7.48E-08
1415	494761.1	3858402	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	0.00E+00	0.00E+00	7.16E-08	1.35E-08	8.59E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.45E-08	1.01E-07	3.79E-08	2.03E-07	7.45E-08
1416	494811.1	3858402	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	0.00E+00	0.00E+00	7.11E-08	1.34E-08	8.53E-08	1.32E-08	1.20E-08	1.95E-07	2.02E-07	7.40E-08	1.01E-07	3.76E-08	2.02E-07	7.40E-08
1417	494861.1	3858402	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	0.00E+00	0.00E+00	7.06E-08	1.33E-08	8.47E-08	1.31E-08	1.19E-08	1.94E-07	2.00E-07	7.35E-08	1.00E-07	3.74E-08	2.00E-07	7.35E-08
1418	494911.1	3858402	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.33E-08	8.41E-08	1.30E-08	1.18E-08	1.92E-07	1.99E-07	7.30E-08	9.93E-08	3.71E-08	1.99E-07	7.30E-08
1419	494961.1	3858402	6.26E-04	6.41E-04	6.05E-04	2.17E-07	6.54E-07	3.79E-07	3.88E-07	3.52E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.97E-08	1.32E-08	8.35E-08	1.29E-08	1.17E-08	1.91E-07	1.98E-07	7.24E-08	9.86E-08	3.68E-08	1.98E-07	7.24E-08
1420	495011.1	3858402	6.21E-04	6.36E-04	6.00E-04	2.15E-07	6.49E-07	3.76E-07	3.85E-07	3.49E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.92E-08	1.31E-08	8.29E-08	1.28E-08	1.16E-08	1.90E-07	1.96E-07	7.19E-08	9.79E-08	3.66E-08	1.96E-07	7.19E-08
1421	495061.1	3858402	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	0.00E+00	0.00E+00	6.87E-08	1.30E-08	8.23E-08	1.27E-08	1.16E-08	1.88E-07	1.95E-07	7.14E-08	9.72E-08	3.63E-08	1.95E-07	7.14E-08
1422	495111.1	3858402	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	0.00E+00	0.00E+00	6.79E-08	1.28E-08	8.14E-08	1.25E-08	1.14E-08	1.86E-07	1.92E-07	7.06E-08	9.60E-08	3.59E-08	1.92E-07	7.06E-08
1423	495161.1	3858402	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	0.00E+00	0.00E+00	6.75E-08	1.28E-08	8.10E-08	1.25E-08	1.14E-08	1.85E-07	1.91E-07	7.02E-08	9.56E-08	3.57E-08	1.91E-07	7.02E-08
1424	495211.1	3858402	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	0.00E+00	0.00E+00	6.69E-08	1.26E-08	8.02E-08	1.24E-08	1.12E-08	1.83E-07	1.90E-07	6.95E-08	9.46E-08	3.54E-08	1.90E-07	6.95E-08
1425	495261.1	3858402	5.96E-04	6.11E-04	5.76E-04	2.06E-07	6.23E-07	3.61E-07	3.70E-07	3.35E-07	1.53E-07	1.44E-07	0.00E+00	0.00E+00	6.64E-08	1.25E-08	7.96E-08	1.23E-08	1.12E-08	1.82E-07	1.88E-07	6.90E-08	9.39E-08	3.51E-08	1.88E-07	6.90E-08
1426	495311.1	3858402	5.93E-04	6.08E-04	5.73E-04	2.05E-07	6.20E-07	3.59E-07	3.68E-07	3.33E-07	1.52E-07	1.43E-07	0.00E+00	0.00E+00	6.60E-08	1.25E-08	7.92E-08	1.22E-08	1.11E-08	1.81E-07	1.87E-07	6.87E-08	9.35E-08	3.49E-08	1.87E-07	6.87E-08
1427	495361.1	3858402	5.90E-04	6.05E-04	5.70E-04	2.04E-07	6.17E-07	3.57E-07	3.66E-07	3.32E-07	1.51E-07	1.43E-07	0.00E+00	0.00E+00	6.57E-08	1.24E-08	7.88E-08	1.22E-08	1.11E-08	1.80E-07	1.86E-07	6.83E-08	9.30E-08	3.48E-08	1.86E-07	6.83E-08
1428	495411.1	3858402	5.87E-04	6.02E-04	5.67E-04	2.03E-07	6.14E-07	3.55E-07	3.64E-07	3.30E-07	1.51E-07	1.42E-07	0.00E+00	0.00E+00	6.54E-08	1.24E-08	7.84E-08	1.21E-08	1.10E-08	1.79E-07	1.85E-07	6.80E-08	9.25E-08	3.46E-08	1.85E-07	6.80E-08
1429	495461.1	3858402	5.86E-04	6.00E-04	5.66E-04	2.03E-07	6.12E-07	3.55E-07	3.63E-07	3.29E-07	1.50E-07	1.42E-07	0.00E+00	0.00E+00	6.52E-08	1.23E-08	7.82E-08	1.21E-08	1.10E-08	1.79E-07	1.85E-07	6.78E-08	9.23E-08	3.45E-08	1.85E-07	6.78E-08
1430	495511.1	3858402	5.84E-04	5.99E-04	5.65E-04	2.02E-07	6.11E-07	3.54E-07	3.62E-07	3.28E-07	1.50E-07	1.41E-07	0.00E+00	0.00E+00	6.51E-08	1.23E-08	7.80E-08	1.20E-08	1.09E-08	1.78E-07	1.84E-07	6.77E-08	9.21E-08	3.44E-08	1.84E-07	6.77E-08
1431	495561.1	3858402	5.80E-04	5.94E-04	5.60E-04	2.01E-07	6.06E-07	3.51E-07	3.59E-07	3.26E-07	1.49E-07	1.40E-07	0.00E+00	0.00E+00	6.46E-08	1.22E-08	7.74E-08	1.19E-08	1.09E-08	1.77E-07	1.83E-07	6.71E-08	9.14E-08	3.41E-08	1.83E-07	6.71E-08
1432	495611.1	3858402	5.79E-04	5.93E-04	5.59E-04	2.00E-07	6.05E-07	3.50E-07	3.59E-07	3.25E-07	1.48E-07	1.40E-07	0.00E+00	0.00E+00	6.44E-08	1.22E-08	7.72E-08	1.19E-08	1.08E-08	1.77E-07	1.83E-07	6.70E-08	9.11E-08	3.41E-08	1.83E-07	6.70E-08
1433	495661.1	3858402	5.80E-04	5.94E-04	5.60E-04	2.01E-07	6.06E-07	3.51E-07	3.59E-07	3.26E-07	1.49E-07	1.40E-07	0.00E+00	0.00E+00	6.46E-08	1.22E-08	7.74E-08	1.19E-08	1.09E-08	1.77E-07	1.83E-07	6.71E-08	9.14E-08	3.41E-08	1.83E-07	6.71E-08
1434	494311.1	3858452	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.80E-08	1.47E-08	9.36E-08	1.44E-08	1.31E-08	2.14E-07	2.21E-07	8.12E-08	1.10E-07	4.13E-08	2.21E-07	8.12E-08
1435	494361.1	3858452	6.95E-04	7.12E-04	6.72E-04	2.41E-07	7.27E-07	4.21E-07	4.31E-07	3.91E-07	1.78E-07	1.68E-07	0.00E+00	0.00E+00	7.74E-08	1.46E-08	9.28E-08	1.43E-08	1.30E-08	2.12E-07	2.19E-07	8.05E-08	1.10E-07	4.09E-08	2.19E-07	8.05E-08
1436	494411.1	3858452	6.91E-04	7.07E-04	6.67E-04	2.39E-07	7.22E-07	4.18E-07	4.28E-07	3.88E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.69E-08	1.45E-08	9.22E-08	1.42E-08	1.29E-08	2.11E-07	2.18E-07	8.00E-08	1.09E-07	4.07E-08	2.18E-07	8.00E-08
1437	494461.1	3858452	6.85E-04	7.01E-04	6.62E-04	2.37E-07	7.16E-07	4.14E-07	4.24E-07	3.85E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.62E-08	1.44E-08	9.14E-08	1.41E-08	1.28E-08	2.09E-07	2.16E-07	7.93E-08	1.08E-07	4.03E-08	2.16E-07	7.93E-08
1438	494511.1	3858452	6.82E-04	6.98E-04	6.59E-04	2.36E-07	7.13E-07	4.13E-07	4.23E-07	3.83E-07	1.75E-07	1.65E-07	0.00E+00	0.00E+00	7.59E-08	1.43E-08	9.10E-08	1.40E-08	1.28E-08	2.08E-07	2.15E-07	7.89E-08	1.07E-07	4.01E-08	2.15E-07	7.89E-08
1439	494561.1	3858452	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.52E-08	1.42E-08	9.02E-08	1.39E-08	1.27E-08	2.06E-07	2.13E-07	7.82E-08	1.06E-07	3.98E-08	2.13E-07	7.82E-08
1440	494611.1	3858452	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	0.00E+00	0.00E+00	7.48E-08	1.41E-08	8.96E-08	1.38E-08	1.26E-08	2.05E-07	2.12E-07	7.77E-08	1.06E-07	3.95E-08	2.12E-07	7.77E-08
1441	494661.1	3858452	6.67E-04	6.83E-04	6.44E-04	2.31E-07	6.97E-07	4.04E-07	4.13E-07	3.75E-07	1.71E-07	1.61E-07	0.00E+00	0.00E+00	7.43E-08	1.40E-08	8.90E-08	1.37E-08	1.25E-08	2.04E-07	2.11E-07	7.72E-08	1.05E-07	3.93E-08	2.11E-07	7.72E-08
1442	494711.1	3858452	6.61E-04	6.77E-04	6.39E-04	2.29E-07	6.91E-07	4.00E-07	4.10E-07	3.71E-07	1.69E-07	1.60E-07	0.00E+00	0.00E+00	7.36E-08	1.39E-08	8.83E-08	1.36E-08	1.24E-08	2.02E-07	2.09E-07	7.65E-08	1.04E-07	3.89E-08	2.09E-07	7.65E-08
1443	494761.1	3858452	6.57E-04	6.73E-04	6.35E-04	2.27E-07	6.86E-07	3.97E-07	4.07E-07	3.69E-07	1.68E-07	1.59E-07	0.00E+00	0.00E+00	7.31E-08	1.38E-08	8.77E-08	1.35E-08	1.23E-08	2.00E-07	2.07E-07	7.60E-08	1.03E-07	3.87E-08	2.07E-07	7.60E-08
1444	494811.1	3858452	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	0.00E+00	0.00E+00	7.26E-08	1.37E-08	8.71E-08	1.34E-08	1.22E-08	1.99E-07	2.06E-07	7.55E-08	1.03E-07	3.84E-08	2.06E-07	7.55E-08
1445	494861.1	3858452	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	0.00E+00	0.00E+00	7.20E-08	1.36E-08	8.63E-08	1.33E-08	1.21E-08	1.97E-07	2.04E-07	7.48E-08	1.02E-07	3.81E-08	2.04E-07	7.48E-08
1446	494911.1	3858452	6.41E-04	6.56E-04	6.19E-04	2.22E-07	6.69E-07	3.88E-07	3.97E-07	3.60E-07	1.64E-07	1.55E-07	0.00E+00	0.00E+00	7.13E-08	1.35E-08	8.55E-08	1.32E-08	1.20E-08	1.95E-07	2.02E-07	7.41E-08	1.01E-07	3.77E-08	2.02E-07	7.41E-08
1447	494961.1	3858452	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	0.00E+00	0.00E+00	7.08E-08	1.34E-08	8.49E-08	1.31E-08	1.19E-08	1.94E-07	2.01E-07	7.36E-08	1.00E-07	3.74E-08	2.01E-07	7.36E-08
1448	495011.1	3858452	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.33E-08	8.41E-08	1.30E-08	1.18E-08	1.92E-07	1.99E-07	7.30E-08	9.93E-08	3.71E-08	1.99E-07	7.30E-08
1449	495061.1	3858452	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	6.98E-08	1.32E-08	8.37E-08	1.29E-08	1.17E-08	1.91E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
1450	495111.1	3858452	6.21E-04	6.36E-04	6.00E-04	2.15E-07	6.49E-07	3.76E-07	3.85E-07	3.49E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.92E-08	1.31E-08	8.29E-08	1.28E-08	1.16E-08	1.90E-07	1.96E-07	7.19E-08	9.79E-08	3.66E-08	1.96E-07	7.19E-08
1451	495161.1	3858452	6.15E-04	6.30E-04	5.95E-04	2.13E-07	6.43E-07	3.72E-07	3.81E-07	3.46E-07	1.58E-07	1.49E-07	0.00E+00	0.00E+00	6.85E-08	1.29E-08	8.21E-08	1.27E-08	1.15E-08	1.88E-07	1.94E-07	7.12E-08	9.70E-08	3.62E-08	1.94E-07	7.12E-08
1452	495211.1	3858452	6.11E-04	6.26E-04	5.90E-04	2.12E-07	6.39E-07	3.70E-07	3.79E-07	3.43E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.80E-08	1.29E-08	8.16E-08	1.26E-08	1.14E-08	1.86E-07	1.93E-07	7.07E-08	9.63E-08	3.60E-08	1.93E-07	7.07E-08
1453	495261.1	3858452	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	0.00E+00	0.00E+00	6.75E-08	1.28E-08	8.10E-08	1.25E-08	1.14E-08	1.85E-07	1.91E-07	7.02E-08	9.56E-08	3.57E-08	1.91E-07	7.02E-08
1454	495311.1	3858452	6.02E-04	6.17E-04	5.82E-04	2.08E-07	6.29E-07	3.64E-07	3.73E-07	3.38E-07	1.54E-07	1.46E-07	0.00E+00	0.00E+00	6.70E-08	1.27E-08	8.04E-08	1.24E-08	1.13E-08	1.84E-07	1.90E-07	6.97E-08	9.49E-08	3.54E-08	1.90E-07	6.97E-08
1455	495361.1	3858452	5.99E-04	6.14E-04	5.79E-04	2.07E-07	6.26E-07	3.63E-07	3.71E-07	3.37E-07	1.54E-07	1.45E-07	0.00E+00	0.00E+00	6.67E-08	1.26E-08	8.00E-08	1.23E-08	1.12E-08	1.83E-07	1.89E-07	6.94E-08	9.44E-08	3.53E-08	1.89E-07	6.94E-08
1456	495411.1	3858452	5.98E-04	6.12E-04	5.77E-04	2.07E-07	6.25E-07	3.62E-07	3.70E-07	3.36E-07	1.53E-07	1.45E-07	0.00E+00	0.00E+00	6.65E-08	1.26E-08	7.98E-08	1.23E-08	1.12E-08	1.82E-07	1.89E-07	6.92E-08	9.42E-08	3.52E-08	1.89E-07	6.92E-08
1457	495461.1	3858452	5.96E-04	6.11E-04	5.76E-04	2.06E-07	6.23E-07	3.61E-07	3.70E-07	3.35E-07	1.53E-07	1.44E-07	0.00E+00	0.00E+00	6.64E-08	1.25E-08	7.96E-08	1.23E-08	1.12E-08	1.82E-07	1.88E-07	6.90E-08	9.39E-08	3.51E-08	1.88E-07	6.90E-08
1458	495511.1	3858452	5.93E-04	6.08E-04	5.73E-04	2.05E-07	6.20E-07	3.59E-07	3.68E-07	3.33E-07	1.52E-07	1.43E-07	0.00E+00	0.00E+00	6.60E-08	1.25E-08	7.92E-08	1.22E-08	1.11E-08	1.81E-07	1.87E-07	6.87E-08	9.35E-08	3.49E-08	1.87E-07	6.87E-08
1459	495561.1	3858452	5.92E-04	6.06E-04	5.72E-04	2.05E-07	6.19E-07	3.58E-07	3.67E-07	3.32E-07	1.52E-07	1.43E-07	0.00E+00	0.00E+00	6.59E-08	1.24E-08	7.90E-08	1.22E-08	1.11E-08	1.81E-07	1.87E-07	6.85E-08	9.32E-08	3.48E-08	1.87E-07	6.85E-08
1460	495611.1	3858452	5.89E-04	6.03E-04	5.69E-04	2.04E-07	6.15E-07	3.56E-07	3.65E-07	3.31E-07	1.51E-07	1.42E-07	0.00E+00	0.00E+00	6.56E-08	1.24E-08	7.86E-08	1.21E-08	1.10E-08	1.80E-07	1.86E-07	6.82E-08	9.28E-08	3.47E-08	1.86E-07	6.82E-08
1461	495661.1	3858452	5.87E-04	6.02E-04	5.67E-04	2.03E-07	6.14E-07	3.55E-07	3.64E-07	3.30E-07	1.51E-07	1.42E-07	0.00E+00	0.00E+00	6.54E-08	1.24E-08	7.84E-08	1.21E-08	1.10E-08	1.79E-07	1.85E-07	6.80E-08	9.25E-08	3.46E-08	1.85E-07	6.80E-08
1462	494311.1	3858502	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	0.00E+00	0.00E+00	7.95E-08	1.50E-08	9.53E-08	1.47E-08	1.34E-08	2.18E-07	2.25E-07	8.27E-08	1.13E-07	4.21E-08	2.25E-07	8.27E-08
1463	494361.1	3858502	7.10E-04	7.27E-04	6.86E-04	2.46E-07	7.42E-07	4.30E-07	4.40E-07	3.99E-07	1.82E-07	1.72E-07	0.00E+00	0.00E+00	7.90E-08	1.49E-08	9.48E-08	1.46E-08	1.33E-08	2.17E-07	2.24E-07	8.22E-08	1.12E-07	4.18E-08	2.24E-07	8.22E-08
1464	494411.1	3858502	7.04E-04	7.21E-04	6.80E-04	2.44E-07	7.36E-07	4.26E-07	4.36E-07	3.95E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.84E-08	1.48E-08	9.40E-08	1.45E-08	1.32E-08	2.15E-07	2.22E-07	8.15E-08	1.11E-07	4.14E-08	2.22E-07	8.15E-08
1465	494461.1	3858502	7.00E-04	7.17E-04	6.76E-04	2.42E-07	7.31E-07	4.23E-07	4.34E-07	3.93E-07	1.79E-07	1.69E-07	0.00E+00	0.00E+00	7.79E-08	1.47E-08	9.34E-08	1.44E-08	1.31E-08	2.13E-07	2.21E-07	8.10E-08	1.10E-07	4.12E-08	2.21E-07	8.10E-08
1466	494511.1	3858502	6.94E-04	7.10E-04	6.70E-04	2.40E-07	7.25E-07	4.20E-07	4.30E-07	3.90E-07	1.78E-07	1.68E-07	0.00E+00	0.00E+00	7.72E-08	1.46E-08	9.26E-08	1.43E-08	1.30E-08	2.12E-07	2.19E-07	8.03E-08	1.09E-07	4.08E-08	2.19E-07	8.03E-08
1467	494561.1	3858502	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.71E-08	1.46E-08	9.24E-08	1.42E-08	1.30E-08	2.11E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
1468	494611.1	3858502	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.64E-08	1.44E-08	9.16E-08	1.41E-08	1.28E-08	2.09E-07	2.17E-07	7.94E-08	1.08E-07	4.04E-08	2.17E-07	7.94E-08
1469	494661.1	3858502	6.82E-04	6.98E-04	6.59E-04	2.36E-07	7.13E-07	4.13E-07	4.23E-07	3.83E-07	1.75E-07	1.65E-07	0.00E+00	0.00E+00	7.59E-08	1.43E-08	9.10E-08	1.40E-08	1.28E-08	2.08E-07	2.15E-07	7.89E-08	1.07E-07	4.01E-08	2.15E-07	7.89E-08
1470	494711.1	3858502	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.52E-08	1.42E-08	9.02E-08	1.39E-08	1.27E-08	2.06E-07	2.13E-07	7.82E-08	1.06E-07	3.98E-08	2.13E-07	7.82E-08
1471	494761.1	3858502	6.70E-04	6.86E-04	6.47E-04	2.32E-07	7.00E-07	4.05E-07	4.15E-07	3.76E-07	1.72E-07	1.62E-07	0.00E+00	0.00E+00	7.46E-08	1.41E-08	8.94E-08	1.38E-08	1.25E-08	2.04E-07	2.11E-07	7.76E-08	1.06E-07	3.94E-08	2.11E-07	7.76E-08
1472	494811.1	3858502	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	0.00E+00	0.00E+00	7.39E-08	1.40E-08	8.86E-08	1.37E-08	1.24E-08	2.03E-07	2.10E-07	7.69E-08	1.05E-07	3.91E-08	2.10E-07	7.69E-08
1473	494861.1	3858502	6.60E-04	6.76E-04	6.37E-04	2.28E-07	6.90E-07	3.99E-07	4.09E-07	3.71E-07	1.69E-07	1.60E-07	0.00E+00	0.00E+00	7.34E-08	1.39E-08	8.81E-08	1.36E-08	1.24E-08	2.01E-07	2.08E-07	7.64E-08	1.04E-07	3.88E-08	2.08E-07	7.64E-08

1474	494911.1	3858502	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	0.00E+00	0.00E+00	7.26E-08	1.37E-08	8.71E-08	1.34E-08	1.22E-08	1.99E-07	2.06E-07	7.55E-08	1.03E-07	3.84E-08	2.06E-07	7.55E-08
1475	494961.1	3858502	6.48E-04	6.64E-04	6.26E-04	2.24E-07	6.77E-07	3.92E-07	4.02E-07	3.64E-07	1.66E-07	1.57E-07	0.00E+00	0.00E+00	7.21E-08	1.36E-08	8.65E-08	1.33E-08	1.21E-08	1.98E-07	2.04E-07	7.50E-08	1.02E-07	3.81E-08	2.04E-07	7.50E-08
1476	495011.1	3858502	6.42E-04	6.58E-04	6.20E-04	2.22E-07	6.71E-07	3.88E-07	3.98E-07	3.61E-07	1.65E-07	1.55E-07	0.00E+00	0.00E+00	7.15E-08	1.35E-08	8.57E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.43E-08	1.01E-07	3.78E-08	2.03E-07	7.43E-08
1477	495061.1	3858502	6.38E-04	6.53E-04	6.16E-04	2.21E-07	6.66E-07	3.86E-07	3.95E-07	3.58E-07	1.63E-07	1.54E-07	0.00E+00	0.00E+00	7.10E-08	1.34E-08	8.51E-08	1.31E-08	1.19E-08	1.95E-07	2.01E-07	7.38E-08	1.00E-07	3.75E-08	2.01E-07	7.38E-08
1478	495111.1	3858502	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.33E-08	8.41E-08	1.30E-08	1.18E-08	1.92E-07	1.99E-07	7.30E-08	9.93E-08	3.71E-08	1.99E-07	7.30E-08
1479	495161.1	3858502	6.26E-04	6.41E-04	6.05E-04	2.17E-07	6.54E-07	3.79E-07	3.88E-07	3.52E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.97E-08	1.32E-08	8.35E-08	1.29E-08	1.17E-08	1.91E-07	1.98E-07	7.24E-08	9.86E-08	3.68E-08	1.98E-07	7.24E-08
1480	495211.1	3858502	6.20E-04	6.35E-04	5.99E-04	2.15E-07	6.48E-07	3.75E-07	3.84E-07	3.48E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.90E-08	1.30E-08	8.27E-08	1.28E-08	1.16E-08	1.89E-07	1.96E-07	7.18E-08	9.77E-08	3.65E-08	1.96E-07	7.18E-08
1481	495261.1	3858502	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	0.00E+00	0.00E+00	6.87E-08	1.30E-08	8.23E-08	1.27E-08	1.16E-08	1.88E-07	1.95E-07	7.14E-08	9.72E-08	3.63E-08	1.95E-07	7.14E-08
1482	495311.1	3858502	6.14E-04	6.29E-04	5.93E-04	2.13E-07	6.42E-07	3.71E-07	3.80E-07	3.45E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.83E-08	1.29E-08	8.20E-08	1.26E-08	1.15E-08	1.87E-07	1.94E-07	7.11E-08	9.67E-08	3.61E-08	1.94E-07	7.11E-08
1483	495361.1	3858502	6.11E-04	6.26E-04	5.90E-04	2.12E-07	6.39E-07	3.70E-07	3.79E-07	3.43E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.80E-08	1.29E-08	8.16E-08	1.26E-08	1.14E-08	1.86E-07	1.93E-07	7.07E-08	9.63E-08	3.60E-08	1.93E-07	7.07E-08
1484	495411.1	3858502	6.08E-04	6.23E-04	5.87E-04	2.10E-07	6.36E-07	3.68E-07	3.77E-07	3.42E-07	1.56E-07	1.47E-07	0.00E+00	0.00E+00	6.77E-08	1.28E-08	8.12E-08	1.25E-08	1.14E-08	1.86E-07	1.92E-07	7.04E-08	9.58E-08	3.58E-08	1.92E-07	7.04E-08
1485	495461.1	3858502	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	0.00E+00	0.00E+00	6.75E-08	1.28E-08	8.10E-08	1.25E-08	1.14E-08	1.85E-07	1.91E-07	7.02E-08	9.56E-08	3.57E-08	1.91E-07	7.02E-08
1486	495511.1	3858502	6.04E-04	6.18E-04	5.83E-04	2.09E-07	6.31E-07	3.65E-07	3.74E-07	3.39E-07	1.55E-07	1.46E-07	0.00E+00	0.00E+00	6.72E-08	1.27E-08	8.06E-08	1.24E-08	1.13E-08	1.84E-07	1.91E-07	6.99E-08	9.51E-08	3.55E-08	1.91E-07	6.99E-08
1487	495561.1	3858502	6.04E-04	6.18E-04	5.83E-04	2.09E-07	6.31E-07	3.65E-07	3.74E-07	3.39E-07	1.55E-07	1.46E-07	0.00E+00	0.00E+00	6.72E-08	1.27E-08	8.06E-08	1.24E-08	1.13E-08	1.84E-07	1.91E-07	6.99E-08	9.51E-08	3.55E-08	1.91E-07	6.99E-08
1488	495611.1	3858502	5.99E-04	6.14E-04	5.79E-04	2.07E-07	6.26E-07	3.63E-07	3.71E-07	3.37E-07	1.54E-07	1.45E-07	0.00E+00	0.00E+00	6.67E-08	1.26E-08	8.00E-08	1.23E-08	1.12E-08	1.83E-07	1.89E-07	6.94E-08	9.44E-08	3.53E-08	1.89E-07	6.94E-08
1489	495661.1	3858502	5.98E-04	6.12E-04	5.77E-04	2.07E-07	6.25E-07	3.62E-07	3.70E-07	3.36E-07	1.53E-07	1.45E-07	0.00E+00	0.00E+00	6.65E-08	1.26E-08	7.98E-08	1.23E-08	1.12E-08	1.82E-07	1.89E-07	6.92E-08	9.42E-08	3.52E-08	1.89E-07	6.92E-08
1490	494311.1	3858552	7.19E-04	7.36E-04	6.94E-04	2.49E-07	7.51E-07	4.35E-07	4.45E-07	4.04E-07	1.84E-07	1.74E-07	0.00E+00	0.00E+00	8.00E-08	1.51E-08	9.59E-08	1.48E-08	1.35E-08	2.19E-07	2.27E-07	8.32E-08	1.13E-07	4.23E-08	2.27E-07	8.32E-08
1491	494361.1	3858552	7.19E-04	7.36E-04	6.94E-04	2.49E-07	7.51E-07	4.35E-07	4.45E-07	4.04E-07	1.84E-07	1.74E-07	0.00E+00	0.00E+00	8.00E-08	1.51E-08	9.59E-08	1.48E-08	1.35E-08	2.19E-07	2.27E-07	8.32E-08	1.13E-07	4.23E-08	2.27E-07	8.32E-08
1492	494411.1	3858552	7.20E-04	7.38E-04	6.96E-04	2.49E-07	7.53E-07	4.36E-07	4.46E-07	4.05E-07	1.85E-07	1.74E-07	0.00E+00	0.00E+00	8.02E-08	1.52E-08	9.61E-08	1.48E-08	1.35E-08	2.20E-07	2.27E-07	8.34E-08	1.13E-07	4.24E-08	2.27E-07	8.34E-08
1493	494461.1	3858552	7.17E-04	7.35E-04	6.93E-04	2.48E-07	7.50E-07	4.34E-07	4.45E-07	4.03E-07	1.84E-07	1.73E-07	0.00E+00	0.00E+00	7.98E-08	1.51E-08	9.57E-08	1.48E-08	1.34E-08	2.19E-07	2.26E-07	8.30E-08	1.13E-07	4.22E-08	2.26E-07	8.30E-08
1494	494511.1	3858552	7.13E-04	7.30E-04	6.89E-04	2.47E-07	7.45E-07	4.31E-07	4.42E-07	4.00E-07	1.83E-07	1.72E-07	0.00E+00	0.00E+00	7.94E-08	1.50E-08	9.52E-08	1.47E-08	1.33E-08	2.18E-07	2.25E-07	8.25E-08	1.12E-07	4.20E-08	2.25E-07	8.25E-08
1495	494561.1	3858552	7.08E-04	7.26E-04	6.84E-04	2.45E-07	7.40E-07	4.29E-07	4.39E-07	3.98E-07	1.82E-07	1.71E-07	0.00E+00	0.00E+00	7.89E-08	1.49E-08	9.46E-08	1.46E-08	1.33E-08	2.16E-07	2.24E-07	8.20E-08	1.12E-07	4.17E-08	2.24E-07	8.20E-08
1496	494611.1	3858552	7.04E-04	7.21E-04	6.80E-04	2.44E-07	7.36E-07	4.26E-07	4.36E-07	3.95E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.84E-08	1.48E-08	9.40E-08	1.45E-08	1.32E-08	2.15E-07	2.22E-07	8.15E-08	1.11E-07	4.14E-08	2.22E-07	8.15E-08
1497	494661.1	3858552	7.00E-04	7.17E-04	6.76E-04	2.42E-07	7.31E-07	4.23E-07	4.34E-07	3.93E-07	1.79E-07	1.69E-07	0.00E+00	0.00E+00	7.79E-08	1.47E-08	9.34E-08	1.44E-08	1.31E-08	2.13E-07	2.21E-07	8.10E-08	1.10E-07	4.12E-08	2.21E-07	8.10E-08
1498	494711.1	3858552	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.71E-08	1.46E-08	9.24E-08	1.42E-08	1.30E-08	2.11E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
1499	494761.1	3858552	6.85E-04	7.01E-04	6.62E-04	2.37E-07	7.16E-07	4.14E-07	4.24E-07	3.85E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.62E-08	1.44E-08	9.14E-08	1.41E-08	1.28E-08	2.09E-07	2.16E-07	7.93E-08	1.08E-07	4.03E-08	2.16E-07	7.93E-08
1500	494811.1	3858552	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	0.00E+00	0.00E+00	7.56E-08	1.43E-08	9.06E-08	1.40E-08	1.27E-08	2.07E-07	2.14E-07	7.86E-08	1.07E-07	4.00E-08	2.14E-07	7.86E-08
1501	494861.1	3858552	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.49E-08	1.42E-08	8.98E-08	1.39E-08	1.26E-08	2.05E-07	2.12E-07	7.79E-08	1.06E-07	3.96E-08	2.12E-07	7.79E-08
1502	494911.1	3858552	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	0.00E+00	0.00E+00	7.41E-08	1.40E-08	8.88E-08	1.37E-08	1.25E-08	2.03E-07	2.10E-07	7.71E-08	1.05E-07	3.92E-08	2.10E-07	7.71E-08
1503	494961.1	3858552	6.60E-04	6.76E-04	6.37E-04	2.28E-07	6.90E-07	3.99E-07	4.09E-07	3.71E-07	1.69E-07	1.60E-07	0.00E+00	0.00E+00	7.34E-08	1.39E-08	8.81E-08	1.36E-08	1.24E-08	2.01E-07	2.08E-07	7.64E-08	1.04E-07	3.88E-08	2.08E-07	7.64E-08
1504	495011.1	3858552	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	0.00E+00	0.00E+00	7.26E-08	1.37E-08	8.71E-08	1.34E-08	1.22E-08	1.99E-07	2.06E-07	7.55E-08	1.03E-07	3.84E-08	2.06E-07	7.55E-08
1505	495061.1	3858552	6.48E-04	6.64E-04	6.26E-04	2.24E-07	6.77E-07	3.92E-07	4.02E-07	3.64E-07	1.66E-07	1.57E-07	0.00E+00	0.00E+00	7.21E-08	1.36E-08	8.65E-08	1.33E-08	1.21E-08	1.98E-07	2.04E-07	7.50E-08	1.02E-07	3.81E-08	2.04E-07	7.50E-08
1506	495111.1	3858552	6.41E-04	6.56E-04	6.19E-04	2.22E-07	6.69E-07	3.88E-07	3.97E-07	3.60E-07	1.64E-07	1.55E-07	0.00E+00	0.00E+00	7.13E-08	1.35E-08	8.55E-08	1.32E-08	1.20E-08	1.95E-07	2.02E-07	7.41E-08	1.01E-07	3.77E-08	2.02E-07	7.41E-08
1507	495161.1	3858552	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	0.00E+00	0.00E+00	7.06E-08	1.33E-08	8.47E-08	1.31E-08	1.19E-08	1.94E-07	2.00E-07	7.35E-08	1.00E-07	3.74E-08	2.00E-07	7.35E-08
1508	495211.1	3858552	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.33E-08	8.41E-08	1.30E-08	1.18E-08	1.92E-07	1.99E-07	7.30E-08	9.93E-08	3.71E-08	1.99E-07	7.30E-08
1509	495261.1	3858552	6.26E-04	6.41E-04	6.05E-04	2.17E-07	6.54E-07	3.79E-07	3.88E-07	3.52E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.97E-08	1.32E-08	8.35E-08	1.29E-08	1.17E-08	1.91E-07	1.98E-07	7.24E-08	9.86E-08	3.68E-08	1.98E-07	7.24E-08
1510	495311.1	3858552	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.95E-08	1.31E-08	8.33E-08	1.29E-08	1.17E-08	1.90E-07	1.97E-07	7.23E-08	9.83E-08	3.68E-08	1.97E-07	7.23E-08
1511	495361.1	3858552	6.21E-04	6.36E-04	6.00E-04	2.15E-07	6.49E-07	3.76E-07	3.85E-07	3.49E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.92E-08	1.31E-08	8.29E-08	1.28E-08	1.16E-08	1.90E-07	1.96E-07	7.19E-08	9.79E-08	3.66E-08	1.96E-07	7.19E-08
1512	495411.1	3858552	6.20E-04	6.35E-04	5.99E-04	2.15E-07	6.48E-07	3.75E-07	3.84E-07	3.48E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.90E-08	1.30E-08	8.27E-08	1.28E-08	1.16E-08	1.89E-07	1.96E-07	7.18E-08	9.77E-08	3.65E-08	1.96E-07	7.18E-08
1513	495461.1	3858552	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	0.00E+00	0.00E+00	6.87E-08	1.30E-08	8.23E-08	1.27E-08	1.16E-08	1.88E-07	1.95E-07	7.14E-08	9.72E-08	3.63E-08	1.95E-07	7.14E-08
1514	495511.1	3858552	6.15E-04	6.30E-04	5.95E-04	2.13E-07	6.43E-07	3.72E-07	3.81E-07	3.46E-07	1.58E-07	1.49E-07	0.00E+00	0.00E+00	6.85E-08	1.29E-08	8.21E-08	1.27E-08	1.15E-08	1.88E-07	1.94E-07	7.12E-08	9.70E-08	3.62E-08	1.94E-07	7.12E-08
1515	495561.1	3858552	6.12E-04	6.27E-04	5.92E-04	2.12E-07	6.40E-07	3.71E-07	3.80E-07	3.44E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.82E-08	1.29E-08	8.18E-08	1.26E-08	1.15E-08	1.87E-07	1.93E-07	7.09E-08	9.65E-08	3.61E-08	1.93E-07	7.09E-08
1516	495611.1	3858552	6.11E-04	6.26E-04	5.90E-04	2.12E-07	6.39E-07	3.70E-07	3.79E-07	3.43E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.80E-08	1.29E-08	8.16E-08	1.26E-08	1.14E-08	1.86E-07	1.93E-07	7.07E-08	9.63E-08	3.60E-08	1.93E-07	7.07E-08
1517	495661.1	3858552	6.08E-04	6.23E-04	5.87E-04	2.10E-07	6.36E-07	3.68E-07	3.77E-07	3.42E-07	1.56E-07	1.47E-07	0.00E+00	0.00E+00	6.77E-08	1.28E-08	8.12E-08	1.25E-08	1.14E-08	1.86E-07	1.92E-07	7.04E-08	9.58E-08	3.58E-08	1.92E-07	7.04E-08
1518	494311.1	3858602	7.17E-04	7.35E-04	6.93E-04	2.48E-07	7.50E-07	4.34E-07	4.45E-07	4.03E-07	1.84E-07	1.73E-07	0.00E+00	0.00E+00	7.98E-08	1.51E-08	9.57E-08	1.48E-08	1.34E-08	2.19E-07	2.26E-07	8.30E-08	1.13E-07	4.22E-08	2.26E-07	8.30E-08
1519	494361.1	3858602	7.28E-04	7.45E-04	7.03E-04	2.52E-07	7.60E-07	4.40E-07	4.51E-07	4.09E-07	1.87E-07	1.76E-07	0.00E+00	0.00E+00	8.10E-08	1.53E-08	9.71E-08	1.50E-08	1.36E-08	2.22E-07	2.30E-07	8.42E-08	1.15E-07	4.28E-08	2.30E-07	8.42E-08
1520	494411.1	3858602	7.38E-04	7.56E-04	7.13E-04	2.55E-07	7.71E-07	4.47E-07	4.57E-07	4.15E-07	1.89E-07	1.78E-07	0.00E+00	0.00E+00	8.21E-08	1.55E-08	9.85E-08	1.52E-08	1.38E-08	2.25E-07	2.33E-07	8.54E-08	1.16E-07	4.34E-08	2.33E-07	8.54E-08
1521	494461.1	3858602	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	0.00E+00	0.00E+00	8.17E-08	1.54E-08	9.79E-08	1.51E-08	1.37E-08	2.24E-07	2.32E-07	8.49E-08	1.16E-07	4.32E-08	2.32E-07	8.49E-08
1522	494511.1	3858602	7.26E-04	7.44E-04	7.02E-04	2.51E-07	7.59E-07	4.39E-07	4.50E-07	4.08E-07	1.86E-07	1.76E-07	0.00E+00	0.00E+00	8.08E-08	1.53E-08	9.69E-08	1.49E-08	1.36E-08	2.22E-07	2.29E-07	8.41E-08	1.14E-07	4.27E-08	2.29E-07	8.41E-08
1523	494561.1	3858602	7.26E-04	7.44E-04	7.02E-04	2.51E-07	7.59E-07	4.39E-07	4.50E-07	4.08E-07	1.86E-07	1.76E-07	0.00E+00	0.00E+00	8.08E-08	1.53E-08	9.69E-08	1.49E-08	1.36E-08	2.22E-07	2.29E-07	8.41E-08	1.14E-07	4.27E-08	2.29E-07	8.41E-08
1524	494611.1	3858602	7.20E-04	7.38E-04	6.96E-04	2.49E-07	7.53E-07	4.36E-07	4.46E-07	4.05E-07	1.85E-07	1.74E-07	0.00E+00	0.00E+00	8.02E-08	1.52E-08	9.61E-08	1.48E-08	1.35E-08	2.20E-07	2.27E-07	8.34E-08	1.13E-07	4.24E-08	2.27E-07	8.34E-08
1525	494661.1	3858602	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	0.00E+00	0.00E+00	7.95E-08	1.50E-08	9.53E-08	1.47E-08	1.34E-08	2.18E-07	2.25E-07	8.27E-08	1.13E-07	4.21E-08	2.25E-07	8.27E-08
1526	494711.1	3858602	7.08E-04	7.26E-04	6.84E-04	2.45E-07	7.40E-07	4.29E-07	4.39E-07	3.98E-07	1.82E-07	1.71E-07	0.00E+00	0.00E+00	7.89E-08	1.49E-08	9.46E-08	1.46E-08	1.33E-08	2.16E-07	2.24E-07	8.20E-08	1.12E-07	4.17E-08	2.24E-07	8.20E-08
1527	494761.1	3858602	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.80E-08	1.47E-08	9.36E-08	1.44E-08	1.31E-08	2.14E-07	2.21E-07	8.12E-08	1.10E-07	4.13E-08	2.21E-07	8.12E-08
1528	494811.1	3858602	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.71E-08	1.46E-08	9.24E-08	1.42E-08	1.30E-08	2.11E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
1529	494861.1	3858602	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.64E-08	1.44E-08	9.16E-08	1.41E-08	1.28E-08	2.09E-07	2.17E-07	7.94E-08	1.08E-07	4.04E-08	2.17E-07	7.94E-08
1530	494911.1	3858602	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	0.00E+00	0.00E+00	7.56E-08	1.43E-08	9.06E-08	1.40E-08	1.27E-08	2.07E-07	2.14E-07	7.86E-08	1.07E-07	4.00E-08	2.14E-07	7.86E-08
1531	494961.1	3858602	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	0.00E+00	0.00E+00	7.48E-08	1.41E-08	8.96E-08	1.38E-08	1.26E-08	2.05E-07	2.12E-07	7.77E-08	1.06E-07	3.95E-08	2.12E-07	7.77E-08
1532	495011.1	3858602	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	0.00E+00	0.00E+00	7.41E-08	1.40E-08	8.88E-08	1.37E-08	1.25E-08	2.03E-07	2.10E-07	7.71E-08	1.05E-07	3.92E-08	2.10E-07	7.71E-08
1533	495061.1	3858602	6.60E-04	6.76E-04	6.37E-04	2.28E-07	6.90E-07	3.99E-07	4.09E-07	3.71E-07	1.69E-07	1.60E-07	0.00E+00	0.00E+00	7.34E-08	1.39E-08	8.81E-08	1.36E-08	1.24E-08	2.01E-07	2.08E-07	7.64E-08	1.04E-07	3.88E-08	2.08E-07	7.64E-08
1534	495111.1	3858602	6.51E-04	6.67E-04	6.29E-04	2.25E-07	6.80E-07	3.94E-07	4.03E-07	3.66E-07	1.67E-07	1.57E-07	0.00E+00	0.00E+00	7.25E-08	1.37E-08	8.69E-08	1.34E-08	1.22E-08	1.99E-07	2.05E-07	7.53E-08	1.03E-07	3.83E-08	2.05E-07	7.53E-08
1535	495161.1	3858602	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	0.00E+00	0.00E+00	7.20E-08	1.36E-08	8.63E-08	1.33E-08	1.21E-08	1.97E-07	2.04E-07	7.48E-08	1.02E-07	3.81E-08	2.04E-07	7.48E-08
1536	495211.1	3858602	6.42E-04	6.58E-04	6.20E-04	2.22E-07	6.71E-07	3.88E-07	3.98E-07	3.61E-07	1.65E-07	1.55E-07	0.00E+00	0.00E+00	7.15E-08	1.35E-08	8.57E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.43E-08	1.01E-07	3.78E-08	2.03E-07	7.43E-08
1537	495261.1	3858602	6.38E-04	6.53E-04	6.16E-04	2.21E-07	6.66E-07	3.86E-07	3.95E-07	3.58E-07	1.63E-07	1.54E-07	0.00E+00	0.00E+00	7.10E-08	1.34E-08	8.51E-08	1.31E-08	1.19E-08	1.95E-07	2.01E-07	7.38E-08	1.00E-07	3.75E-08	2.01E-07	7.38E-08
1538	495311.1	3858602	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	0.00E+00	0.00E+00	7.06E-08	1.33E-08	8.47E-08	1.31E-08	1.19E-08	1.94E-07	2.00E-07	7.35E-08	1.00E-07	3.74E-08	2.00E-07	7.35E-08
1539	495361.1	3858602	6.32E-04	6.47E-04	6.10E-04	2.19E-07	6.60E-07	3.82E-07	3.91E-07	3.55E-07	1.62E-07	1.53E-07	0.00E+00	0.00E+00	7.03E-08	1.33E-08	8.43E-08	1.30E-08	1.18E-08	1.93E-07	1.99E-07	7.31E-08	9.95E-08	3.72E-08	1.99E-07	7.31E-08
1540	495411.1	3858602	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.33E-08	8.41E-08	1.30E-08	1.18E-08	1.92E-07	1.99E-07	7.30E-08	9.93E-08	3.71E-08	1.99E-07	7.30E-08
1541	495461.1	3858602	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	6.98E-08	1.32E-08	8.37E-08	1.29E-08	1.17E-08	1.91E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
1542	495511.1	3858602	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.95E-08	1.31E-08	8.33E-08	1.29E-08	1.17E-08	1.90E-07	1.97E-07	7.23E-08	9.83E-08	3.68E-08	1.97E-07	7.23E-08
1543	495561.1	3858602	6.23E-04	6.38E-04	6.02E-04	2.16E-07	6.51E-07	3.77E-07	3.86E-07	3.50E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.93E-08	1.31E-08	8.31E-08	1.28E-08	1.17E-08	1.90E-07	1.97E-07	7.21E-08	9.81E-08	3.67E-08	1.97E-07	7.21E-08
1544	495611.1	3858602	6.20E-04	6.35E-04	5.99E-04	2.15E-07	6.48E-07	3.75E-07	3.84E-07	3.48E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.90E-08	1.30E-08	8.27E-08	1.28E-08	1.16E-08	1.89E-07	1.96E-07	7.18E-08	9.77E-08	3.65E-08	1.96E-07	7.18E-08
1545	495661.1	3858602	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	0.00E+00	0.00E+00	6.87E-08	1.30E-08	8.23E-08	1.27E-08	1.16E-08	1.88E-07	1.95E-07	7.14E-08	9.72E-08	3.63E-08	1.95E-07	7.14E-08
1546	494311.1	3858652	7.26E-04	7.44E-04	7.02E-04	2.51E-07	7.59E-07	4.39E-07	4.50E-07	4.08E-07	1.86E-07	1.76E-07	0.00E+00	0.00E+00	8.08E-08	1.53E-08	9.69E-08	1.49E-08	1.36E-08	2.22E-07	2.29E-07	8.41E-08	1.14E-07	4.27E-08	2.29E-07	8.41E-08
1547	494361.1	3858652	7.36E-04	7.54E-04	7.11E-04	2.55E-07	7.70E-07	4.46E-07	4.56E-07	4.14E-07	1.89E-07	1.78E-07	0.00E+00	0.00E+00	8.20E-08	1.55E-08	9.83E-08	1.52E-08	1.38E-08	2.25E-07	2.32E-07	8.53E-08	1.16E-07	4.34E-08	2.32E-07	8.53E-08

1548	494411.1	3858652	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.35E-08	1.58E-08	1.00E-07	1.54E-08	1.40E-08	2.29E-07	2.37E-07	8.68E-08	1.18E-07	4.41E-08	2.37E-07	8.68E-08
1549	494461.1	3858652	7.51E-04	7.69E-04	7.26E-04	2.60E-07	7.85E-07	4.55E-07	4.66E-07	4.22E-07	1.93E-07	1.82E-07	0.00E+00	0.00E+00	8.36E-08	1.58E-08	1.00E-07	1.55E-08	1.41E-08	2.29E-07	2.37E-07	8.70E-08	1.18E-07	4.42E-08	2.37E-07	8.70E-08
1550	494511.1	3858652	7.47E-04	7.65E-04	7.21E-04	2.59E-07	7.81E-07	4.52E-07	4.63E-07	4.20E-07	1.91E-07	1.81E-07	0.00E+00	0.00E+00	8.31E-08	1.57E-08	9.97E-08	1.54E-08	1.40E-08	2.28E-07	2.36E-07	8.64E-08	1.18E-07	4.40E-08	2.36E-07	8.64E-08
1551	494561.1	3858652	7.42E-04	7.60E-04	7.17E-04	2.57E-07	7.76E-07	4.49E-07	4.60E-07	4.17E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.26E-08	1.56E-08	9.91E-08	1.53E-08	1.39E-08	2.27E-07	2.34E-07	8.59E-08	1.17E-07	4.37E-08	2.34E-07	8.59E-08
1552	494611.1	3858652	7.38E-04	7.56E-04	7.13E-04	2.55E-07	7.71E-07	4.47E-07	4.57E-07	4.15E-07	1.89E-07	1.78E-07	0.00E+00	0.00E+00	8.21E-08	1.55E-08	9.85E-08	1.52E-08	1.38E-08	2.25E-07	2.33E-07	8.54E-08	1.16E-07	4.34E-08	2.33E-07	8.54E-08
1553	494661.1	3858652	7.31E-04	7.48E-04	7.06E-04	2.53E-07	7.64E-07	4.42E-07	4.53E-07	4.10E-07	1.87E-07	1.77E-07	0.00E+00	0.00E+00	8.13E-08	1.54E-08	9.75E-08	1.50E-08	1.37E-08	2.23E-07	2.31E-07	8.46E-08	1.15E-07	4.30E-08	2.31E-07	8.46E-08
1554	494711.1	3858652	7.23E-04	7.41E-04	6.99E-04	2.50E-07	7.56E-07	4.38E-07	4.48E-07	4.06E-07	1.85E-07	1.75E-07	0.00E+00	0.00E+00	8.05E-08	1.52E-08	9.65E-08	1.49E-08	1.35E-08	2.21E-07	2.28E-07	8.37E-08	1.14E-07	4.26E-08	2.28E-07	8.37E-08
1555	494761.1	3858652	7.17E-04	7.35E-04	6.93E-04	2.48E-07	7.50E-07	4.34E-07	4.45E-07	4.03E-07	1.84E-07	1.73E-07	0.00E+00	0.00E+00	7.98E-08	1.51E-08	9.57E-08	1.48E-08	1.34E-08	2.19E-07	2.26E-07	8.30E-08	1.13E-07	4.22E-08	2.26E-07	8.30E-08
1556	494811.1	3858652	7.08E-04	7.26E-04	6.84E-04	2.45E-07	7.40E-07	4.29E-07	4.39E-07	3.98E-07	1.82E-07	1.71E-07	0.00E+00	0.00E+00	7.89E-08	1.49E-08	9.46E-08	1.46E-08	1.33E-08	2.16E-07	2.24E-07	8.20E-08	1.12E-07	4.17E-08	2.24E-07	8.20E-08
1557	494861.1	3858652	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.80E-08	1.47E-08	9.36E-08	1.44E-08	1.31E-08	2.14E-07	2.21E-07	8.12E-08	1.10E-07	4.13E-08	2.21E-07	8.12E-08
1558	494911.1	3858652	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.71E-08	1.46E-08	9.24E-08	1.42E-08	1.30E-08	2.11E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
1559	494961.1	3858652	6.85E-04	7.01E-04	6.62E-04	2.37E-07	7.16E-07	4.14E-07	4.24E-07	3.85E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.62E-08	1.44E-08	9.14E-08	1.41E-08	1.28E-08	2.09E-07	2.16E-07	7.93E-08	1.08E-07	4.03E-08	2.16E-07	7.93E-08
1560	495011.1	3858652	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	0.00E+00	0.00E+00	7.56E-08	1.43E-08	9.06E-08	1.40E-08	1.27E-08	2.07E-07	2.14E-07	7.86E-08	1.07E-07	4.00E-08	2.14E-07	7.86E-08
1561	495061.1	3858652	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	0.00E+00	0.00E+00	7.48E-08	1.41E-08	8.96E-08	1.38E-08	1.26E-08	2.05E-07	2.12E-07	7.77E-08	1.06E-07	3.95E-08	2.12E-07	7.77E-08
1562	495111.1	3858652	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	0.00E+00	0.00E+00	7.39E-08	1.40E-08	8.86E-08	1.37E-08	1.24E-08	2.03E-07	2.10E-07	7.69E-08	1.05E-07	3.91E-08	2.10E-07	7.69E-08
1563	495161.1	3858652	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	0.00E+00	0.00E+00	7.33E-08	1.38E-08	8.79E-08	1.35E-08	1.23E-08	2.01E-07	2.08E-07	7.62E-08	1.04E-07	3.87E-08	2.08E-07	7.62E-08
1564	495211.1	3858652	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	0.00E+00	0.00E+00	7.26E-08	1.37E-08	8.71E-08	1.34E-08	1.22E-08	1.99E-07	2.06E-07	7.55E-08	1.03E-07	3.84E-08	2.06E-07	7.55E-08
1565	495261.1	3858652	6.49E-04	6.65E-04	6.27E-04	2.25E-07	6.79E-07	3.93E-07	4.02E-07	3.65E-07	1.66E-07	1.57E-07	0.00E+00	0.00E+00	7.23E-08	1.37E-08	8.67E-08	1.34E-08	1.22E-08	1.98E-07	2.05E-07	7.52E-08	1.02E-07	3.82E-08	2.05E-07	7.52E-08
1566	495311.1	3858652	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	0.00E+00	0.00E+00	7.20E-08	1.36E-08	8.63E-08	1.33E-08	1.21E-08	1.97E-07	2.04E-07	7.48E-08	1.02E-07	3.81E-08	2.04E-07	7.48E-08
1567	495361.1	3858652	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	0.00E+00	0.00E+00	7.16E-08	1.35E-08	8.59E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.45E-08	1.01E-07	3.79E-08	2.03E-07	7.45E-08
1568	495411.1	3858652	6.42E-04	6.58E-04	6.20E-04	2.22E-07	6.71E-07	3.88E-07	3.98E-07	3.61E-07	1.65E-07	1.55E-07	0.00E+00	0.00E+00	7.15E-08	1.35E-08	8.57E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.43E-08	1.01E-07	3.78E-08	2.03E-07	7.43E-08
1569	495461.1	3858652	6.41E-04	6.56E-04	6.19E-04	2.22E-07	6.69E-07	3.88E-07	3.97E-07	3.60E-07	1.64E-07	1.55E-07	0.00E+00	0.00E+00	7.13E-08	1.35E-08	8.55E-08	1.32E-08	1.20E-08	1.95E-07	2.02E-07	7.41E-08	1.01E-07	3.77E-08	2.02E-07	7.41E-08
1570	495511.1	3858652	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	0.00E+00	0.00E+00	7.08E-08	1.34E-08	8.49E-08	1.31E-08	1.19E-08	1.94E-07	2.01E-07	7.36E-08	1.00E-07	3.74E-08	2.01E-07	7.36E-08
1571	495561.1	3858652	6.33E-04	6.48E-04	6.12E-04	2.19E-07	6.62E-07	3.83E-07	3.92E-07	3.56E-07	1.62E-07	1.53E-07	0.00E+00	0.00E+00	7.05E-08	1.33E-08	8.45E-08	1.30E-08	1.19E-08	1.93E-07	2.00E-07	7.33E-08	9.97E-08	3.73E-08	2.00E-07	7.33E-08
1572	495611.1	3858652	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	7.00E-08	1.32E-08	8.39E-08	1.29E-08	1.18E-08	1.92E-07	1.98E-07	7.28E-08	9.90E-08	3.70E-08	1.98E-07	7.28E-08
1573	495661.1	3858652	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	6.98E-08	1.32E-08	8.37E-08	1.29E-08	1.17E-08	1.91E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
1574	494311.1	3858702	7.44E-04	7.62E-04	7.19E-04	2.57E-07	7.77E-07	4.50E-07	4.61E-07	4.18E-07	1.91E-07	1.80E-07	0.00E+00	0.00E+00	8.28E-08	1.56E-08	9.93E-08	1.53E-08	1.39E-08	2.27E-07	2.35E-07	8.61E-08	1.17E-07	4.38E-08	2.35E-07	8.61E-08
1575	494361.1	3858702	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	0.00E+00	0.00E+00	8.44E-08	1.60E-08	1.01E-07	1.56E-08	1.42E-08	2.31E-07	2.39E-07	8.78E-08	1.20E-07	4.47E-08	2.39E-07	8.78E-08
1576	494411.1	3858702	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.54E-08	1.61E-08	1.02E-07	1.58E-08	1.44E-08	2.34E-07	2.42E-07	8.88E-08	1.21E-07	4.52E-08	2.42E-07	8.88E-08
1577	494461.1	3858702	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	0.00E+00	0.00E+00	8.51E-08	1.61E-08	1.02E-07	1.57E-08	1.43E-08	2.33E-07	2.41E-07	8.85E-08	1.20E-07	4.50E-08	2.41E-07	8.85E-08
1578	494511.1	3858702	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	0.00E+00	0.00E+00	8.51E-08	1.61E-08	1.02E-07	1.57E-08	1.43E-08	2.33E-07	2.41E-07	8.85E-08	1.20E-07	4.50E-08	2.41E-07	8.85E-08
1579	494561.1	3858702	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	0.00E+00	0.00E+00	8.44E-08	1.60E-08	1.01E-07	1.56E-08	1.42E-08	2.31E-07	2.39E-07	8.78E-08	1.20E-07	4.47E-08	2.39E-07	8.78E-08
1580	494611.1	3858702	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.35E-08	1.58E-08	1.00E-07	1.54E-08	1.40E-08	2.29E-07	2.37E-07	8.68E-08	1.18E-07	4.41E-08	2.37E-07	8.68E-08
1581	494661.1	3858702	7.47E-04	7.65E-04	7.21E-04	2.59E-07	7.81E-07	4.52E-07	4.63E-07	4.20E-07	1.91E-07	1.81E-07	0.00E+00	0.00E+00	8.31E-08	1.57E-08	9.97E-08	1.54E-08	1.40E-08	2.28E-07	2.36E-07	8.64E-08	1.18E-07	4.40E-08	2.36E-07	8.64E-08
1582	494711.1	3858702	7.29E-04	7.47E-04	7.04E-04	2.52E-07	7.62E-07	4.41E-07	4.52E-07	4.10E-07	1.87E-07	1.76E-07	0.00E+00	0.00E+00	8.12E-08	1.53E-08	9.73E-08	1.50E-08	1.37E-08	2.22E-07	2.30E-07	8.44E-08	1.15E-07	4.29E-08	2.30E-07	8.44E-08
1583	494761.1	3858702	7.31E-04	7.48E-04	7.06E-04	2.53E-07	7.64E-07	4.42E-07	4.53E-07	4.10E-07	1.87E-07	1.77E-07	0.00E+00	0.00E+00	8.13E-08	1.54E-08	9.75E-08	1.50E-08	1.37E-08	2.23E-07	2.31E-07	8.46E-08	1.15E-07	4.30E-08	2.31E-07	8.46E-08
1584	494811.1	3858702	7.22E-04	7.39E-04	6.97E-04	2.50E-07	7.54E-07	4.37E-07	4.47E-07	4.05E-07	1.85E-07	1.75E-07	0.00E+00	0.00E+00	8.03E-08	1.52E-08	9.63E-08	1.49E-08	1.35E-08	2.20E-07	2.28E-07	8.35E-08	1.14E-07	4.25E-08	2.28E-07	8.35E-08
1585	494861.1	3858702	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	0.00E+00	0.00E+00	7.95E-08	1.50E-08	9.53E-08	1.47E-08	1.34E-08	2.18E-07	2.25E-07	8.27E-08	1.13E-07	4.21E-08	2.25E-07	8.27E-08
1586	494911.1	3858702	7.08E-04	7.26E-04	6.84E-04	2.45E-07	7.40E-07	4.29E-07	4.39E-07	3.98E-07	1.82E-07	1.71E-07	0.00E+00	0.00E+00	7.89E-08	1.49E-08	9.46E-08	1.46E-08	1.33E-08	2.16E-07	2.24E-07	8.20E-08	1.12E-07	4.17E-08	2.24E-07	8.20E-08
1587	494961.1	3858702	6.97E-04	7.13E-04	6.73E-04	2.41E-07	7.28E-07	4.21E-07	4.32E-07	3.91E-07	1.79E-07	1.68E-07	0.00E+00	0.00E+00	7.75E-08	1.47E-08	9.30E-08	1.43E-08	1.30E-08	2.13E-07	2.20E-07	8.06E-08	1.10E-07	4.10E-08	2.20E-07	8.06E-08
1588	495011.1	3858702	6.89E-04	7.06E-04	6.66E-04	2.39E-07	7.20E-07	4.17E-07	4.27E-07	3.87E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.67E-08	1.45E-08	9.20E-08	1.42E-08	1.29E-08	2.10E-07	2.18E-07	7.98E-08	1.09E-07	4.06E-08	2.18E-07	7.98E-08
1589	495061.1	3858702	6.85E-04	7.01E-04	6.62E-04	2.37E-07	7.16E-07	4.14E-07	4.24E-07	3.85E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.62E-08	1.44E-08	9.14E-08	1.41E-08	1.28E-08	2.09E-07	2.16E-07	7.93E-08	1.08E-07	4.03E-08	2.16E-07	7.93E-08
1590	495111.1	3858702	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.52E-08	1.42E-08	9.02E-08	1.39E-08	1.27E-08	2.06E-07	2.13E-07	7.82E-08	1.06E-07	3.98E-08	2.13E-07	7.82E-08
1591	495161.1	3858702	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	0.00E+00	0.00E+00	7.48E-08	1.41E-08	8.96E-08	1.38E-08	1.26E-08	2.05E-07	2.12E-07	7.77E-08	1.06E-07	3.95E-08	2.12E-07	7.77E-08
1592	495211.1	3858702	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	0.00E+00	0.00E+00	7.41E-08	1.40E-08	8.88E-08	1.37E-08	1.25E-08	2.03E-07	2.10E-07	7.71E-08	1.05E-07	3.92E-08	2.10E-07	7.71E-08
1593	495261.1	3858702	6.63E-04	6.79E-04	6.40E-04	2.29E-07	6.93E-07	4.01E-07	4.11E-07	3.72E-07	1.70E-07	1.60E-07	0.00E+00	0.00E+00	7.38E-08	1.39E-08	8.85E-08	1.36E-08	1.24E-08	2.02E-07	2.09E-07	7.67E-08	1.04E-07	3.90E-08	2.09E-07	7.67E-08
1594	495311.1	3858702	6.60E-04	6.76E-04	6.37E-04	2.28E-07	6.90E-07	3.99E-07	4.09E-07	3.71E-07	1.69E-07	1.60E-07	0.00E+00	0.00E+00	7.34E-08	1.39E-08	8.81E-08	1.36E-08	1.24E-08	2.01E-07	2.08E-07	7.64E-08	1.04E-07	3.88E-08	2.08E-07	7.64E-08
1595	495361.1	3858702	6.57E-04	6.73E-04	6.35E-04	2.27E-07	6.86E-07	3.97E-07	4.07E-07	3.69E-07	1.68E-07	1.59E-07	0.00E+00	0.00E+00	7.31E-08	1.38E-08	8.77E-08	1.35E-08	1.23E-08	2.00E-07	2.07E-07	7.60E-08	1.03E-07	3.87E-08	2.07E-07	7.60E-08
1596	495411.1	3858702	6.55E-04	6.71E-04	6.33E-04	2.27E-07	6.85E-07	3.96E-07	4.06E-07	3.68E-07	1.68E-07	1.58E-07	0.00E+00	0.00E+00	7.29E-08	1.38E-08	8.75E-08	1.35E-08	1.23E-08	2.00E-07	2.07E-07	7.59E-08	1.03E-07	3.86E-08	2.07E-07	7.59E-08
1597	495461.1	3858702	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	0.00E+00	0.00E+00	7.26E-08	1.37E-08	8.71E-08	1.34E-08	1.22E-08	1.99E-07	2.06E-07	7.55E-08	1.03E-07	3.84E-08	2.06E-07	7.55E-08
1598	495511.1	3858702	6.48E-04	6.64E-04	6.26E-04	2.24E-07	6.77E-07	3.92E-07	4.02E-07	3.64E-07	1.66E-07	1.57E-07	0.00E+00	0.00E+00	7.21E-08	1.36E-08	8.65E-08	1.33E-08	1.21E-08	1.98E-07	2.04E-07	7.50E-08	1.02E-07	3.81E-08	2.04E-07	7.50E-08
1599	495561.1	3858702	6.45E-04	6.61E-04	6.23E-04	2.23E-07	6.74E-07	3.90E-07	4.00E-07	3.62E-07	1.65E-07	1.56E-07	0.00E+00	0.00E+00	7.18E-08	1.36E-08	8.61E-08	1.33E-08	1.21E-08	1.97E-07	2.04E-07	7.47E-08	1.02E-07	3.80E-08	2.04E-07	7.47E-08
1600	495611.1	3858702	6.41E-04	6.56E-04	6.19E-04	2.22E-07	6.69E-07	3.88E-07	3.97E-07	3.60E-07	1.64E-07	1.55E-07	0.00E+00	0.00E+00	7.13E-08	1.35E-08	8.55E-08	1.32E-08	1.20E-08	1.95E-07	2.02E-07	7.41E-08	1.01E-07	3.77E-08	2.02E-07	7.41E-08
1601	495661.1	3858702	6.38E-04	6.53E-04	6.16E-04	2.21E-07	6.66E-07	3.86E-07	3.95E-07	3.58E-07	1.63E-07	1.54E-07	0.00E+00	0.00E+00	7.10E-08	1.34E-08	8.51E-08	1.31E-08	1.19E-08	1.95E-07	2.01E-07	7.38E-08	1.00E-07	3.75E-08	2.01E-07	7.38E-08
1602	494311.1	3858752	7.60E-04	7.78E-04	7.34E-04	2.63E-07	7.94E-07	4.60E-07	4.71E-07	4.27E-07	1.95E-07	1.84E-07	0.00E+00	0.00E+00	8.46E-08	1.60E-08	1.01E-07	1.56E-08	1.42E-08	2.32E-07	2.40E-07	8.80E-08	1.20E-07	4.47E-08	2.40E-07	8.80E-08
1603	494361.1	3858752	7.81E-04	8.00E-04	7.54E-04	2.70E-07	8.16E-07	4.72E-07	4.84E-07	4.39E-07	2.00E-07	1.89E-07	0.00E+00	0.00E+00	8.69E-08	1.64E-08	1.04E-07	1.61E-08	1.46E-08	2.38E-07	2.46E-07	9.04E-08	1.23E-07	4.60E-08	2.46E-07	9.04E-08
1604	494411.1	3858752	7.88E-04	8.07E-04	7.61E-04	2.73E-07	8.24E-07	4.77E-07	4.88E-07	4.43E-07	2.02E-07	1.91E-07	0.00E+00	0.00E+00	8.77E-08	1.66E-08	1.05E-07	1.62E-08	1.48E-08	2.40E-07	2.49E-07	9.12E-08	1.24E-07	4.64E-08	2.49E-07	9.12E-08
1605	494461.1	3858752	7.84E-04	8.03E-04	7.57E-04	2.71E-07	8.19E-07	4.74E-07	4.86E-07	4.40E-07	2.01E-07	1.89E-07	0.00E+00	0.00E+00	8.72E-08	1.65E-08	1.05E-07	1.61E-08	1.47E-08	2.39E-07	2.47E-07	9.07E-08	1.23E-07	4.61E-08	2.47E-07	9.07E-08
1606	494511.1	3858752	7.85E-04	8.04E-04	7.59E-04	2.72E-07	8.21E-07	4.75E-07	4.87E-07	4.41E-07	2.01E-07	1.90E-07	0.00E+00	0.00E+00	8.74E-08	1.65E-08	1.05E-07	1.62E-08	1.47E-08	2.40E-07	2.48E-07	9.09E-08	1.24E-07	4.62E-08	2.48E-07	9.09E-08
1607	494561.1	3858752	7.75E-04	7.94E-04	7.49E-04	2.68E-07	8.10E-07	4.69E-07	4.80E-07	4.35E-07	1.99E-07	1.87E-07	0.00E+00	0.00E+00	8.63E-08	1.63E-08	1.03E-07	1.59E-08	1.45E-08	2.36E-07	2.45E-07	8.97E-08	1.22E-07	4.56E-08	2.45E-07	8.97E-08
1608	494611.1	3858752	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.54E-08	1.61E-08	1.02E-07	1.58E-08	1.44E-08	2.34E-07	2.42E-07	8.88E-08	1.21E-07	4.52E-08	2.42E-07	8.88E-08
1609	494661.1	3858752	7.60E-04	7.78E-04	7.34E-04	2.63E-07	7.94E-07	4.60E-07	4.71E-07	4.27E-07	1.95E-07	1.84E-07	0.00E+00	0.00E+00	8.46E-08	1.60E-08	1.01E-07	1.56E-08	1.42E-08	2.32E-07	2.40E-07	8.80E-08	1.20E-07	4.47E-08	2.40E-07	8.80E-08
1610	494711.1	3858752	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.35E-08	1.58E-08	1.00E-07	1.54E-08	1.40E-08	2.29E-07	2.37E-07	8.68E-08	1.18E-07	4.41E-08	2.37E-07	8.68E-08
1611	494761.1	3858752	7.47E-04	7.65E-04	7.21E-04	2.59E-07	7.81E-07	4.52E-07	4.63E-07	4.20E-07	1.91E-07	1.81E-07	0.00E+00	0.00E+00	8.31E-08	1.57E-08	9.97E-08	1.54E-08	1.40E-08	2.28E-07	2.36E-07	8.64E-08	1.18E-07	4.40E-08	2.36E-07	8.64E-08
1612	494811.1	3858752	7.36E-04	7.54E-04	7.11E-04	2.55E-07	7.70E-07	4.46E-07	4.56E-07	4.14E-07	1.89E-07	1.78E-07	0.00E+00	0.00E+00	8.20E-08	1.55E-08	9.83E-08	1.52E-08	1.38E-08	2.25E-07	2.32E-07	8.53E-08	1.16E-07	4.34E-08	2.32E-07	8.53E-08
1613	494861.1	3858752	7.28E-04	7.45E-04	7.03E-04	2.52E-07	7.60E-07	4.40E-07	4.51E-07	4.09E-07	1.87E-07	1.76E-07	0.00E+00	0.00E+00	8.10E-08	1.53E-08	9.71E-08	1.50E-08	1.36E-08	2.22E-07	2.30E-07	8.42E-08	1.15E-07	4.28E-08	2.30E-07	8.42E-08
1614	494911.1	3858752	7.19E-04	7.36E-04	6.94E-04	2.49E-07	7.51E-07	4.35E-07	4.45E-07	4.04E-07	1.84E-07	1.74E-07	0.00E+00	0.00E+00	8.00E-08	1.51E-08	9.59E-08	1.48E-08	1.35E-08	2.19E-07	2.27E-07	8.32E-08	1.13E-07	4.23E-08	2.27E-07	8.32E-08
1615	494961.1	3858752	7.11E-04	7.29E-04	6.87E-04	2.46E-07	7.44E-07	4.30E-07	4.41E-07	4.00E-07	1.82E-07	1.72E-07	0.00E+00	0.00E+00	7.92E-08	1.50E-08	9.50E-08	1.46E-08	1.33E-08	2.17E-07	2.25E-07	8.23E-08	1.12E-07	4.19E-08	2.25E-07	8.23E-08
1616	495011.1	3858752	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	0.00E+00	0.00E+00	7.85E-08	1.48E-08	9.42E-08	1.45E-08	1.32E-08	2.15E-07	2.23E-07	8.17E-08	1.11E-07	4.15E-08	2.23E-07	8.17E-08
1617	495061.1	3858752	6.98E-04	7.15E-04	6.74E-04	2.42E-07	7.30E-07	4.22E-07	4.33E-07	3.92E-07	1.79E-07	1.69E-07	0.00E+00	0.00E+00	7.77E-08	1.47E-08	9.32E-08	1.44E-08	1.31E-08	2.13E-07	2.20E-07	8.08E-08	1.10E-07	4.11E-08	2.20E-07	8.08E-08
1618	495111.1	3858752	6.91E-04	7.07E-04	6.67E-04	2.39E-07	7.22E-07	4.18E-07	4.28E-07	3.88E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.69E-08	1.45E-08	9.22E-08	1.42E-08	1.29E-08	2.11E-07	2.18E-07	8.00E-08	1.09E-07	4.07E-08	2.18E-07	8.00E-08
1619	495161.1	3858752	6.85E-04	7.01E-04	6.62E-04	2.37E-07	7.16E-07	4.14E-07	4.24E-07	3.85E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.62E-08	1.44E-08	9.14E-08	1.41E-08	1.28E-08	2.09E-07	2.16E-07	7.93E-08	1.08E-07	4.03E-08	2.16E-07	7.93E-08
1620	495211.1	3858752	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	0.00E+00	0.00E+00	7.56E-08	1.43E-08	9.06E-08	1.40E-08	1.27E-08	2.07E-07	2.14E-07	7.86E-08	1.07E-07	4.00E-08	2.14E-07	7.86E-08
1621	495261.1	3858752	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.52E-08	1.42E-08	9.02E-08	1.39E-08	1.27E-08	2.06E-07	2.13E-07	7.82E-08	1.06E-07	3.98E-08	2.13E-07	7.82E-08

1622	495311.1	3858752	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.49E-08	1.42E-08	8.98E-08	1.39E-08	1.26E-08	2.05E-07	2.12E-07	7.79E-08	1.06E-07	3.96E-08	2.12E-07	7.79E-08
1623	495361.1	3858752	6.70E-04	6.86E-04	6.47E-04	2.32E-07	7.00E-07	4.05E-07	4.15E-07	3.76E-07	1.72E-07	1.62E-07	0.00E+00	0.00E+00	7.46E-08	1.41E-08	8.94E-08	1.38E-08	1.25E-08	2.04E-07	2.11E-07	7.76E-08	1.06E-07	3.94E-08	2.11E-07	7.76E-08
1624	495411.1	3858752	6.69E-04	6.85E-04	6.46E-04	2.31E-07	6.99E-07	4.05E-07	4.14E-07	3.76E-07	1.71E-07	1.62E-07	0.00E+00	0.00E+00	7.44E-08	1.41E-08	8.92E-08	1.38E-08	1.25E-08	2.04E-07	2.11E-07	7.74E-08	1.05E-07	3.94E-08	2.11E-07	7.74E-08
1625	495461.1	3858752	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	0.00E+00	0.00E+00	7.41E-08	1.40E-08	8.88E-08	1.37E-08	1.25E-08	2.03E-07	2.10E-07	7.71E-08	1.05E-07	3.92E-08	2.10E-07	7.71E-08
1626	495511.1	3858752	6.61E-04	6.77E-04	6.39E-04	2.29E-07	6.91E-07	4.00E-07	4.10E-07	3.71E-07	1.69E-07	1.60E-07	0.00E+00	0.00E+00	7.36E-08	1.39E-08	8.83E-08	1.36E-08	1.24E-08	2.02E-07	2.09E-07	7.65E-08	1.04E-07	3.89E-08	2.09E-07	7.65E-08
1627	495561.1	3858752	6.57E-04	6.73E-04	6.35E-04	2.27E-07	6.86E-07	3.97E-07	4.07E-07	3.69E-07	1.68E-07	1.59E-07	0.00E+00	0.00E+00	7.31E-08	1.38E-08	8.77E-08	1.35E-08	1.23E-08	2.00E-07	2.07E-07	7.60E-08	1.03E-07	3.87E-08	2.07E-07	7.60E-08
1628	495611.1	3858752	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	0.00E+00	0.00E+00	7.26E-08	1.37E-08	8.71E-08	1.34E-08	1.22E-08	1.99E-07	2.06E-07	7.55E-08	1.03E-07	3.84E-08	2.06E-07	7.55E-08
1629	495661.1	3858752	6.49E-04	6.65E-04	6.27E-04	2.25E-07	6.79E-07	3.93E-07	4.02E-07	3.65E-07	1.66E-07	1.57E-07	0.00E+00	0.00E+00	7.23E-08	1.37E-08	8.67E-08	1.34E-08	1.22E-08	1.98E-07	2.05E-07	7.52E-08	1.02E-07	3.82E-08	2.05E-07	7.52E-08
1630	494311.1	3858802	7.84E-04	8.03E-04	7.57E-04	2.71E-07	8.19E-07	4.74E-07	4.86E-07	4.40E-07	2.01E-07	1.89E-07	0.00E+00	0.00E+00	8.72E-08	1.65E-08	1.05E-07	1.61E-08	1.47E-08	2.39E-07	2.47E-07	9.07E-08	1.23E-07	4.61E-08	2.47E-07	9.07E-08
1631	494361.1	3858802	8.03E-04	8.22E-04	7.76E-04	2.78E-07	8.39E-07	4.86E-07	4.98E-07	4.51E-07	2.06E-07	1.94E-07	0.00E+00	0.00E+00	8.94E-08	1.69E-08	1.07E-07	1.65E-08	1.50E-08	2.45E-07	2.53E-07	9.29E-08	1.26E-07	4.73E-08	2.53E-07	9.29E-08
1632	494411.1	3858802	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	0.00E+00	0.00E+00	8.95E-08	1.69E-08	1.07E-07	1.66E-08	1.51E-08	2.45E-07	2.54E-07	9.31E-08	1.27E-07	4.74E-08	2.54E-07	9.31E-08
1633	494461.1	3858802	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	0.00E+00	0.00E+00	8.95E-08	1.69E-08	1.07E-07	1.66E-08	1.51E-08	2.45E-07	2.54E-07	9.31E-08	1.27E-07	4.74E-08	2.54E-07	9.31E-08
1634	494511.1	3858802	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	0.00E+00	0.00E+00	8.95E-08	1.69E-08	1.07E-07	1.66E-08	1.51E-08	2.45E-07	2.54E-07	9.31E-08	1.27E-07	4.74E-08	2.54E-07	9.31E-08
1635	494561.1	3858802	8.00E-04	8.19E-04	7.73E-04	2.77E-07	8.36E-07	4.84E-07	4.96E-07	4.49E-07	2.05E-07	1.93E-07	0.00E+00	0.00E+00	8.90E-08	1.68E-08	1.07E-07	1.65E-08	1.50E-08	2.44E-07	2.52E-07	9.26E-08	1.26E-07	4.71E-08	2.52E-07	9.26E-08
1636	494611.1	3858802	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	0.00E+00	0.00E+00	8.82E-08	1.67E-08	1.06E-07	1.63E-08	1.48E-08	2.42E-07	2.50E-07	9.17E-08	1.25E-07	4.67E-08	2.50E-07	9.17E-08
1637	494661.1	3858802	7.84E-04	8.03E-04	7.57E-04	2.71E-07	8.19E-07	4.74E-07	4.86E-07	4.40E-07	2.01E-07	1.89E-07	0.00E+00	0.00E+00	8.72E-08	1.65E-08	1.05E-07	1.61E-08	1.47E-08	2.39E-07	2.47E-07	9.07E-08	1.23E-07	4.61E-08	2.47E-07	9.07E-08
1638	494711.1	3858802	7.73E-04	7.92E-04	7.47E-04	2.68E-07	8.08E-07	4.68E-07	4.79E-07	4.34E-07	1.98E-07	1.87E-07	0.00E+00	0.00E+00	8.61E-08	1.63E-08	1.03E-07	1.59E-08	1.45E-08	2.36E-07	2.44E-07	8.95E-08	1.22E-07	4.55E-08	2.44E-07	8.95E-08
1639	494761.1	3858802	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	0.00E+00	0.00E+00	8.48E-08	1.60E-08	1.02E-07	1.57E-08	1.43E-08	2.32E-07	2.40E-07	8.82E-08	1.20E-07	4.48E-08	2.40E-07	8.82E-08
1640	494811.1	3858802	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.35E-08	1.58E-08	1.00E-07	1.54E-08	1.40E-08	2.29E-07	2.37E-07	8.68E-08	1.18E-07	4.41E-08	2.37E-07	8.68E-08
1641	494861.1	3858802	7.42E-04	7.60E-04	7.17E-04	2.57E-07	7.76E-07	4.49E-07	4.60E-07	4.17E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.26E-08	1.56E-08	9.91E-08	1.53E-08	1.39E-08	2.27E-07	2.34E-07	8.59E-08	1.17E-07	4.37E-08	2.34E-07	8.59E-08
1642	494911.1	3858802	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	0.00E+00	0.00E+00	8.17E-08	1.54E-08	9.79E-08	1.51E-08	1.37E-08	2.24E-07	2.32E-07	8.49E-08	1.16E-07	4.32E-08	2.32E-07	8.49E-08
1643	494961.1	3858802	7.26E-04	7.44E-04	7.02E-04	2.51E-07	7.59E-07	4.39E-07	4.50E-07	4.08E-07	1.86E-07	1.76E-07	0.00E+00	0.00E+00	8.08E-08	1.53E-08	9.69E-08	1.49E-08	1.36E-08	2.22E-07	2.29E-07	8.41E-08	1.14E-07	4.27E-08	2.29E-07	8.41E-08
1644	495011.1	3858802	7.19E-04	7.36E-04	6.94E-04	2.49E-07	7.51E-07	4.35E-07	4.45E-07	4.04E-07	1.84E-07	1.74E-07	0.00E+00	0.00E+00	8.00E-08	1.51E-08	9.59E-08	1.48E-08	1.35E-08	2.19E-07	2.27E-07	8.32E-08	1.13E-07	4.23E-08	2.27E-07	8.32E-08
1645	495061.1	3858802	7.13E-04	7.30E-04	6.89E-04	2.47E-07	7.45E-07	4.31E-07	4.42E-07	4.00E-07	1.83E-07	1.72E-07	0.00E+00	0.00E+00	7.94E-08	1.50E-08	9.52E-08	1.47E-08	1.33E-08	2.18E-07	2.25E-07	8.25E-08	1.12E-07	4.20E-08	2.25E-07	8.25E-08
1646	495111.1	3858802	7.04E-04	7.21E-04	6.80E-04	2.44E-07	7.36E-07	4.26E-07	4.36E-07	3.95E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.84E-08	1.48E-08	9.40E-08	1.45E-08	1.32E-08	2.15E-07	2.22E-07	8.15E-08	1.11E-07	4.14E-08	2.22E-07	8.15E-08
1647	495161.1	3858802	6.97E-04	7.13E-04	6.73E-04	2.41E-07	7.28E-07	4.21E-07	4.32E-07	3.91E-07	1.79E-07	1.68E-07	0.00E+00	0.00E+00	7.75E-08	1.47E-08	9.30E-08	1.43E-08	1.30E-08	2.13E-07	2.20E-07	8.06E-08	1.10E-07	4.10E-08	2.20E-07	8.06E-08
1648	495211.1	3858802	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.71E-08	1.46E-08	9.24E-08	1.42E-08	1.30E-08	2.11E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
1649	495261.1	3858802	6.89E-04	7.06E-04	6.66E-04	2.39E-07	7.20E-07	4.17E-07	4.27E-07	3.87E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.67E-08	1.45E-08	9.20E-08	1.42E-08	1.29E-08	2.10E-07	2.18E-07	7.98E-08	1.09E-07	4.06E-08	2.18E-07	7.98E-08
1650	495311.1	3858802	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.64E-08	1.44E-08	9.16E-08	1.41E-08	1.28E-08	2.09E-07	2.17E-07	7.94E-08	1.08E-07	4.04E-08	2.17E-07	7.94E-08
1651	495361.1	3858802	6.83E-04	7.00E-04	6.60E-04	2.37E-07	7.14E-07	4.13E-07	4.23E-07	3.84E-07	1.75E-07	1.65E-07	0.00E+00	0.00E+00	7.61E-08	1.44E-08	9.12E-08	1.41E-08	1.28E-08	2.09E-07	2.16E-07	7.91E-08	1.08E-07	4.02E-08	2.16E-07	7.91E-08
1652	495411.1	3858802	6.82E-04	6.98E-04	6.59E-04	2.36E-07	7.13E-07	4.13E-07	4.23E-07	3.83E-07	1.75E-07	1.65E-07	0.00E+00	0.00E+00	7.59E-08	1.43E-08	9.10E-08	1.40E-08	1.28E-08	2.08E-07	2.15E-07	7.89E-08	1.07E-07	4.01E-08	2.15E-07	7.89E-08
1653	495461.1	3858802	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	0.00E+00	0.00E+00	7.56E-08	1.43E-08	9.06E-08	1.40E-08	1.27E-08	2.07E-07	2.14E-07	7.86E-08	1.07E-07	4.00E-08	2.14E-07	7.86E-08
1654	495511.1	3858802	6.74E-04	6.91E-04	6.52E-04	2.33E-07	7.05E-07	4.08E-07	4.18E-07	3.79E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.51E-08	1.42E-08	9.00E-08	1.39E-08	1.26E-08	2.06E-07	2.13E-07	7.81E-08	1.06E-07	3.97E-08	2.13E-07	7.81E-08
1655	495561.1	3858802	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	0.00E+00	0.00E+00	7.48E-08	1.41E-08	8.96E-08	1.38E-08	1.26E-08	2.05E-07	2.12E-07	7.77E-08	1.06E-07	3.95E-08	2.12E-07	7.77E-08
1656	495611.1	3858802	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	0.00E+00	0.00E+00	7.41E-08	1.40E-08	8.88E-08	1.37E-08	1.25E-08	2.03E-07	2.10E-07	7.71E-08	1.05E-07	3.92E-08	2.10E-07	7.71E-08
1657	495661.1	3858802	6.63E-04	6.79E-04	6.40E-04	2.29E-07	6.93E-07	4.01E-07	4.11E-07	3.72E-07	1.70E-07	1.60E-07	0.00E+00	0.00E+00	7.38E-08	1.39E-08	8.85E-08	1.36E-08	1.24E-08	2.02E-07	2.09E-07	7.67E-08	1.04E-07	3.90E-08	2.09E-07	7.67E-08
1658	494311.1	3858852	8.22E-04	8.42E-04	7.94E-04	2.85E-07	8.59E-07	4.97E-07	5.09E-07	4.62E-07	2.11E-07	1.99E-07	0.00E+00	0.00E+00	9.15E-08	1.73E-08	1.10E-07	1.69E-08	1.54E-08	2.51E-07	2.59E-07	9.52E-08	1.30E-07	4.84E-08	2.59E-07	9.52E-08
1659	494361.1	3858852	8.32E-04	8.53E-04	8.04E-04	2.88E-07	8.70E-07	5.04E-07	5.16E-07	4.68E-07	2.13E-07	2.01E-07	0.00E+00	0.00E+00	9.27E-08	1.75E-08	1.11E-07	1.71E-08	1.56E-08	2.54E-07	2.63E-07	9.64E-08	1.31E-07	4.90E-08	2.63E-07	9.64E-08
1660	494411.1	3858852	8.28E-04	8.48E-04	8.00E-04	2.87E-07	8.65E-07	5.01E-07	5.13E-07	4.65E-07	2.12E-07	2.00E-07	0.00E+00	0.00E+00	9.22E-08	1.74E-08	1.11E-07	1.70E-08	1.55E-08	2.53E-07	2.61E-07	9.58E-08	1.30E-07	4.87E-08	2.61E-07	9.58E-08
1661	494461.1	3858852	8.25E-04	8.45E-04	7.97E-04	2.86E-07	8.62E-07	4.99E-07	5.11E-07	4.63E-07	2.11E-07	1.99E-07	0.00E+00	0.00E+00	9.18E-08	1.74E-08	1.10E-07	1.70E-08	1.54E-08	2.52E-07	2.60E-07	9.55E-08	1.30E-07	4.86E-08	2.60E-07	9.55E-08
1662	494511.1	3858852	8.25E-04	8.45E-04	7.97E-04	2.86E-07	8.62E-07	4.99E-07	5.11E-07	4.63E-07	2.11E-07	1.99E-07	0.00E+00	0.00E+00	9.18E-08	1.74E-08	1.10E-07	1.70E-08	1.54E-08	2.52E-07	2.60E-07	9.55E-08	1.30E-07	4.86E-08	2.60E-07	9.55E-08
1663	494561.1	3858852	8.19E-04	8.39E-04	7.91E-04	2.84E-07	8.56E-07	4.96E-07	5.08E-07	4.60E-07	2.10E-07	1.98E-07	0.00E+00	0.00E+00	9.12E-08	1.72E-08	1.09E-07	1.69E-08	1.53E-08	2.50E-07	2.59E-07	9.48E-08	1.29E-07	4.82E-08	2.59E-07	9.48E-08
1664	494611.1	3858852	8.10E-04	8.30E-04	7.83E-04	2.80E-07	8.47E-07	4.90E-07	5.02E-07	4.55E-07	2.08E-07	1.96E-07	0.00E+00	0.00E+00	9.02E-08	1.70E-08	1.08E-07	1.67E-08	1.52E-08	2.47E-07	2.56E-07	9.38E-08	1.28E-07	4.77E-08	2.56E-07	9.38E-08
1665	494661.1	3858852	8.01E-04	8.21E-04	7.74E-04	2.77E-07	8.38E-07	4.85E-07	4.97E-07	4.50E-07	2.05E-07	1.94E-07	0.00E+00	0.00E+00	8.92E-08	1.69E-08	1.07E-07	1.65E-08	1.50E-08	2.45E-07	2.53E-07	9.28E-08	1.26E-07	4.72E-08	2.53E-07	9.28E-08
1666	494711.1	3858852	7.88E-04	8.07E-04	7.61E-04	2.73E-07	8.24E-07	4.77E-07	4.88E-07	4.43E-07	2.02E-07	1.91E-07	0.00E+00	0.00E+00	8.77E-08	1.66E-08	1.05E-07	1.62E-08	1.48E-08	2.40E-07	2.49E-07	9.12E-08	1.24E-07	4.64E-08	2.49E-07	9.12E-08
1667	494761.1	3858852	7.76E-04	7.95E-04	7.50E-04	2.69E-07	8.11E-07	4.70E-07	4.81E-07	4.36E-07	1.99E-07	1.88E-07	0.00E+00	0.00E+00	8.64E-08	1.63E-08	1.04E-07	1.60E-08	1.45E-08	2.37E-07	2.45E-07	8.99E-08	1.22E-07	4.57E-08	2.45E-07	8.99E-08
1668	494811.1	3858852	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.54E-08	1.61E-08	1.02E-07	1.58E-08	1.44E-08	2.34E-07	2.42E-07	8.88E-08	1.21E-07	4.52E-08	2.42E-07	8.88E-08
1669	494861.1	3858852	7.60E-04	7.78E-04	7.34E-04	2.63E-07	7.94E-07	4.60E-07	4.71E-07	4.27E-07	1.95E-07	1.84E-07	0.00E+00	0.00E+00	8.46E-08	1.60E-08	1.01E-07	1.56E-08	1.42E-08	2.32E-07	2.40E-07	8.80E-08	1.20E-07	4.47E-08	2.40E-07	8.80E-08
1670	494911.1	3858852	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.35E-08	1.58E-08	1.00E-07	1.54E-08	1.40E-08	2.29E-07	2.37E-07	8.68E-08	1.18E-07	4.41E-08	2.37E-07	8.68E-08
1671	494961.1	3858852	7.42E-04	7.60E-04	7.17E-04	2.57E-07	7.76E-07	4.49E-07	4.60E-07	4.17E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.26E-08	1.56E-08	9.91E-08	1.53E-08	1.39E-08	2.27E-07	2.34E-07	8.59E-08	1.17E-07	4.37E-08	2.34E-07	8.59E-08
1672	495011.1	3858852	7.35E-04	7.53E-04	7.10E-04	2.54E-07	7.68E-07	4.45E-07	4.55E-07	4.13E-07	1.88E-07	1.78E-07	0.00E+00	0.00E+00	8.18E-08	1.55E-08	9.81E-08	1.51E-08	1.38E-08	2.24E-07	2.32E-07	8.51E-08	1.16E-07	4.33E-08	2.32E-07	8.51E-08
1673	495061.1	3858852	7.28E-04	7.45E-04	7.03E-04	2.52E-07	7.60E-07	4.40E-07	4.51E-07	4.09E-07	1.87E-07	1.76E-07	0.00E+00	0.00E+00	8.10E-08	1.53E-08	9.71E-08	1.50E-08	1.36E-08	2.22E-07	2.30E-07	8.42E-08	1.15E-07	4.28E-08	2.30E-07	8.42E-08
1674	495111.1	3858852	7.16E-04	7.33E-04	6.92E-04	2.48E-07	7.48E-07	4.33E-07	4.44E-07	4.02E-07	1.83E-07	1.73E-07	0.00E+00	0.00E+00	7.97E-08	1.51E-08	9.55E-08	1.47E-08	1.34E-08	2.18E-07	2.26E-07	8.29E-08	1.13E-07	4.21E-08	2.26E-07	8.29E-08
1675	495161.1	3858852	7.08E-04	7.26E-04	6.84E-04	2.45E-07	7.40E-07	4.29E-07	4.39E-07	3.98E-07	1.82E-07	1.71E-07	0.00E+00	0.00E+00	7.89E-08	1.49E-08	9.46E-08	1.46E-08	1.33E-08	2.16E-07	2.24E-07	8.20E-08	1.12E-07	4.17E-08	2.24E-07	8.20E-08
1676	495211.1	3858852	7.07E-04	7.24E-04	6.83E-04	2.45E-07	7.39E-07	4.28E-07	4.38E-07	3.97E-07	1.81E-07	1.71E-07	0.00E+00	0.00E+00	7.87E-08	1.49E-08	9.44E-08	1.46E-08	1.32E-08	2.16E-07	2.23E-07	8.18E-08	1.11E-07	4.16E-08	2.23E-07	8.18E-08
1677	495261.1	3858852	7.04E-04	7.21E-04	6.80E-04	2.44E-07	7.36E-07	4.26E-07	4.36E-07	3.95E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.84E-08	1.48E-08	9.40E-08	1.45E-08	1.32E-08	2.15E-07	2.22E-07	8.15E-08	1.11E-07	4.14E-08	2.22E-07	8.15E-08
1678	495311.1	3858852	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.80E-08	1.47E-08	9.36E-08	1.44E-08	1.31E-08	2.14E-07	2.21E-07	8.12E-08	1.10E-07	4.13E-08	2.21E-07	8.12E-08
1679	495361.1	3858852	6.98E-04	7.15E-04	6.74E-04	2.42E-07	7.30E-07	4.22E-07	4.33E-07	3.92E-07	1.79E-07	1.69E-07	0.00E+00	0.00E+00	7.77E-08	1.47E-08	9.32E-08	1.44E-08	1.31E-08	2.13E-07	2.20E-07	8.08E-08	1.10E-07	4.11E-08	2.20E-07	8.08E-08
1680	495411.1	3858852	6.95E-04	7.12E-04	6.72E-04	2.41E-07	7.27E-07	4.21E-07	4.31E-07	3.91E-07	1.78E-07	1.68E-07	0.00E+00	0.00E+00	7.74E-08	1.46E-08	9.28E-08	1.43E-08	1.30E-08	2.12E-07	2.19E-07	8.05E-08	1.10E-07	4.09E-08	2.19E-07	8.05E-08
1681	495461.1	3858852	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.71E-08	1.46E-08	9.24E-08	1.42E-08	1.30E-08	2.11E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
1682	495511.1	3858852	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.66E-08	1.45E-08	9.18E-08	1.42E-08	1.29E-08	2.10E-07	2.17E-07	7.96E-08	1.08E-07	4.05E-08	2.17E-07	7.96E-08
1683	495561.1	3858852	6.83E-04	7.00E-04	6.60E-04	2.37E-07	7.14E-07	4.13E-07	4.23E-07	3.84E-07	1.75E-07	1.65E-07	0.00E+00	0.00E+00	7.61E-08	1.44E-08	9.12E-08	1.41E-08	1.28E-08	2.09E-07	2.16E-07	7.91E-08	1.08E-07	4.02E-08	2.16E-07	7.91E-08
1684	495611.1	3858852	6.77E-04	6.94E-04	6.54E-04	2.35E-07	7.08E-07	4.10E-07	4.20E-07	3.81E-07	1.74E-07	1.64E-07	0.00E+00	0.00E+00	7.54E-08	1.42E-08	9.04E-08	1.39E-08	1.27E-08	2.07E-07	2.14E-07	7.84E-08	1.07E-07	3.99E-08	2.14E-07	7.84E-08
1685	495661.1	3858852	6.74E-04	6.91E-04	6.52E-04	2.33E-07	7.05E-07	4.08E-07	4.18E-07	3.79E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.51E-08	1.42E-08	9.00E-08	1.39E-08	1.26E-08	2.06E-07	2.13E-07	7.81E-08	1.06E-07	3.97E-08	2.13E-07	7.81E-08
1686	494311.1	3858902	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	0.00E+00	0.00E+00	9.45E-08	1.79E-08	1.13E-07	1.75E-08	1.59E-08	2.59E-07	2.68E-07	9.82E-08	1.34E-07	5.00E-08	2.68E-07	9.82E-08
1687	494361.1	3858902	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	0.00E+00	0.00E+00	9.51E-08	1.80E-08	1.14E-07	1.76E-08	1.60E-08	2.61E-07	2.70E-07	9.89E-08	1.35E-07	5.03E-08	2.70E-07	9.89E-08
1688	494411.1	3858902	8.52E-04	8.72E-04	8.23E-04	2.95E-07	8.90E-07	5.15E-07	5.28E-07	4.78E-07	2.18E-07	2.06E-07	0.00E+00	0.00E+00	9.48E-08	1.79E-08	1.14E-07	1.75E-08	1.59E-08	2.60E-07	2.69E-07	9.86E-08	1.34E-07	5.01E-08	2.69E-07	9.86E-08
1689	494461.1	3858902	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	0.00E+00	0.00E+00	9.50E-08	1.79E-08	1.14E-07	1.76E-08	1.60E-08	2.60E-07	2.69E-07	9.87E-08	1.34E-07	5.02E-08	2.69E-07	9.87E-08
1690	494511.1	3858902	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	0.00E+00	0.00E+00	9.45E-08	1.79E-08	1.13E-07	1.75E-08	1.59E-08	2.59E-07	2.68E-07	9.82E-08	1.34E-07	5.00E-08	2.68E-07	9.82E-08
1691	494561.1	3858902	8.40E-04	8.60E-04	8.11E-04	2.91E-07	8.78E-07	5.08E-07	5.20E-07	4.72E-07	2.15E-07	2.03E-07	0.00E+00	0.00E+00	9.35E-08	1.77E-08	1.12E-07	1.73E-08	1.57E-08	2.56E-07	2.65E-07	9.72E-08	1.32E-07	4.94E-08	2.65E-07	9.72E-08
1692	494611.1	3858902	8.26E-04	8.47E-04	7.98E-04	2.86E-07	8.64E-07	5.00E-07	5.12E-07	4.64E-07	2.12E-07	2.00E-07	0.00E+00	0.00E+00	9.20E-08	1.74E-08	1.10E-07	1.70E-08	1.55E-08	2.52E-07	2.61E-07	9.57E-08	1.30E-07	4.87E-08	2.61E-07	9.57E-08
1693	494661.1	3858902	8.19E-04	8.39E-04	7.91E-04	2.84E-07	8.56E-07	4.96E-07	5.08E-07	4.60E-07	2.10E-07	1.98E-07	0.00E+00	0.00E+00	9.12E-08	1.72E-08	1.09E-07	1.69E-08	1.53E-08	2.50E-07	2.59E-07	9.48E-08	1.29E-07	4.82E-08	2.59E-07	9.48E-08
1694	494711.1	3858902	8.07E-04	8.27E-04	7.80E-04	2.79E-07	8.44E-07	4.88E-07	5.00E-07	4.54E-07	2.07E-07	1.95E-07	0.00E+00	0.00E+00	8.99E-08	1.70E-08	1.08E-07	1.66E-08	1.51E-08	2.46E-07	2.55E-07	9.35E-08	1.27E-07	4.75E-08	2.55E-07	9.35E-08
1695	494761.1	3858902	7.94E-04	8.13E-04	7.67E-04	2.75E-07	8.30E-07	4.80E-07	4.92E-07	4.46E-07	2.04E-07	1.92E-07	0.00E+00	0.00E+00	8.84E-08	1.67E-08	1.06E-07	1.63E-08	1.49E-08	2.42E-07	2.51E-07	9.19E-08	1.25E-07	4.67E-08	2.51E-07	9.19E-08

1696	494811.1	3858902	7.85E-04	8.04E-04	7.59E-04	2.72E-07	8.21E-07	4.75E-07	4.87E-07	4.41E-07	2.01E-07	1.90E-07	0.00E+00	0.00E+00	8.74E-08	1.65E-08	1.05E-07	1.62E-08	1.47E-08	2.40E-07	2.48E-07	9.09E-08	1.24E-07	4.62E-08	2.48E-07	9.09E-08
1697	494861.1	3858902	7.78E-04	7.97E-04	7.51E-04	2.69E-07	8.13E-07	4.71E-07	4.82E-07	4.37E-07	1.99E-07	1.88E-07	0.00E+00	0.00E+00	8.66E-08	1.64E-08	1.04E-07	1.60E-08	1.46E-08	2.37E-07	2.45E-07	9.00E-08	1.23E-07	4.58E-08	2.45E-07	9.00E-08
1698	494911.1	3858902	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	0.00E+00	0.00E+00	8.51E-08	1.61E-08	1.02E-07	1.57E-08	1.43E-08	2.33E-07	2.41E-07	8.85E-08	1.20E-07	4.50E-08	2.41E-07	8.85E-08
1699	494961.1	3858902	7.57E-04	7.75E-04	7.31E-04	2.62E-07	7.91E-07	4.58E-07	4.69E-07	4.25E-07	1.94E-07	1.83E-07	0.00E+00	0.00E+00	8.43E-08	1.59E-08	1.01E-07	1.56E-08	1.42E-08	2.31E-07	2.39E-07	8.76E-08	1.19E-07	4.46E-08	2.39E-07	8.76E-08
1700	495011.1	3858902	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.35E-08	1.58E-08	1.00E-07	1.54E-08	1.40E-08	2.29E-07	2.37E-07	8.68E-08	1.18E-07	4.41E-08	2.37E-07	8.68E-08
1701	495061.1	3858902	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.23E-08	1.56E-08	9.87E-08	1.52E-08	1.38E-08	2.26E-07	2.33E-07	8.56E-08	1.16E-07	4.35E-08	2.33E-07	8.56E-08
1702	495111.1	3858902	7.28E-04	7.45E-04	7.03E-04	2.52E-07	7.60E-07	4.40E-07	4.51E-07	4.09E-07	1.87E-07	1.76E-07	0.00E+00	0.00E+00	8.10E-08	1.53E-08	9.71E-08	1.50E-08	1.36E-08	2.22E-07	2.30E-07	8.42E-08	1.15E-07	4.28E-08	2.30E-07	8.42E-08
1703	495161.1	3858902	7.22E-04	7.39E-04	6.97E-04	2.50E-07	7.54E-07	4.37E-07	4.47E-07	4.05E-07	1.85E-07	1.75E-07	0.00E+00	0.00E+00	8.03E-08	1.52E-08	9.63E-08	1.49E-08	1.35E-08	2.20E-07	2.28E-07	8.35E-08	1.14E-07	4.25E-08	2.28E-07	8.35E-08
1704	495211.1	3858902	7.22E-04	7.39E-04	6.97E-04	2.50E-07	7.54E-07	4.37E-07	4.47E-07	4.05E-07	1.85E-07	1.75E-07	0.00E+00	0.00E+00	8.03E-08	1.52E-08	9.63E-08	1.49E-08	1.35E-08	2.20E-07	2.28E-07	8.35E-08	1.14E-07	4.25E-08	2.28E-07	8.35E-08
1705	495261.1	3858902	7.19E-04	7.36E-04	6.94E-04	2.49E-07	7.51E-07	4.35E-07	4.45E-07	4.04E-07	1.84E-07	1.74E-07	0.00E+00	0.00E+00	8.00E-08	1.51E-08	9.59E-08	1.48E-08	1.35E-08	2.19E-07	2.27E-07	8.32E-08	1.13E-07	4.23E-08	2.27E-07	8.32E-08
1706	495311.1	3858902	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	0.00E+00	0.00E+00	7.95E-08	1.50E-08	9.53E-08	1.47E-08	1.34E-08	2.18E-07	2.25E-07	8.27E-08	1.13E-07	4.21E-08	2.25E-07	8.27E-08
1707	495361.1	3858902	7.11E-04	7.29E-04	6.87E-04	2.46E-07	7.44E-07	4.30E-07	4.41E-07	4.00E-07	1.82E-07	1.72E-07	0.00E+00	0.00E+00	7.92E-08	1.50E-08	9.50E-08	1.46E-08	1.33E-08	2.17E-07	2.25E-07	8.23E-08	1.12E-07	4.19E-08	2.25E-07	8.23E-08
1708	495411.1	3858902	7.10E-04	7.27E-04	6.86E-04	2.46E-07	7.42E-07	4.30E-07	4.40E-07	3.99E-07	1.82E-07	1.72E-07	0.00E+00	0.00E+00	7.90E-08	1.49E-08	9.48E-08	1.46E-08	1.33E-08	2.17E-07	2.24E-07	8.22E-08	1.12E-07	4.18E-08	2.24E-07	8.22E-08
1709	495461.1	3858902	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	0.00E+00	0.00E+00	7.85E-08	1.48E-08	9.42E-08	1.45E-08	1.32E-08	2.15E-07	2.23E-07	8.17E-08	1.11E-07	4.15E-08	2.23E-07	8.17E-08
1710	495511.1	3858902	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.80E-08	1.47E-08	9.36E-08	1.44E-08	1.31E-08	2.14E-07	2.21E-07	8.12E-08	1.10E-07	4.13E-08	2.21E-07	8.12E-08
1711	495561.1	3858902	6.97E-04	7.13E-04	6.73E-04	2.41E-07	7.28E-07	4.21E-07	4.32E-07	3.91E-07	1.79E-07	1.68E-07	0.00E+00	0.00E+00	7.75E-08	1.47E-08	9.30E-08	1.43E-08	1.30E-08	2.13E-07	2.20E-07	8.06E-08	1.10E-07	4.10E-08	2.20E-07	8.06E-08
1712	495611.1	3858902	6.91E-04	7.07E-04	6.67E-04	2.39E-07	7.22E-07	4.18E-07	4.28E-07	3.88E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.69E-08	1.45E-08	9.22E-08	1.42E-08	1.29E-08	2.11E-07	2.18E-07	8.00E-08	1.09E-07	4.07E-08	2.18E-07	8.00E-08
1713	495661.1	3858902	6.89E-04	7.06E-04	6.66E-04	2.39E-07	7.20E-07	4.17E-07	4.27E-07	3.87E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.67E-08	1.45E-08	9.20E-08	1.42E-08	1.29E-08	2.10E-07	2.18E-07	7.98E-08	1.09E-07	4.06E-08	2.18E-07	7.98E-08
1714	494311.1	3858952	8.81E-04	9.02E-04	8.51E-04	3.05E-07	9.21E-07	5.33E-07	5.46E-07	4.95E-07	2.26E-07	2.13E-07	0.00E+00	0.00E+00	9.81E-08	1.85E-08	1.18E-07	1.81E-08	1.65E-08	2.69E-07	2.78E-07	1.02E-07	1.39E-07	5.19E-08	2.78E-07	1.02E-07
1715	494361.1	3858952	8.81E-04	9.02E-04	8.51E-04	3.05E-07	9.21E-07	5.33E-07	5.46E-07	4.95E-07	2.26E-07	2.13E-07	0.00E+00	0.00E+00	9.81E-08	1.85E-08	1.18E-07	1.81E-08	1.65E-08	2.69E-07	2.78E-07	1.02E-07	1.39E-07	5.19E-08	2.78E-07	1.02E-07
1716	494411.1	3858952	8.74E-04	8.95E-04	8.44E-04	3.02E-07	9.13E-07	5.29E-07	5.41E-07	4.91E-07	2.24E-07	2.11E-07	0.00E+00	0.00E+00	9.73E-08	1.84E-08	1.17E-07	1.80E-08	1.64E-08	2.67E-07	2.76E-07	1.01E-07	1.38E-07	5.14E-08	2.76E-07	1.01E-07
1717	494461.1	3858952	8.75E-04	8.96E-04	8.46E-04	3.03E-07	9.15E-07	5.30E-07	5.42E-07	4.92E-07	2.24E-07	2.12E-07	0.00E+00	0.00E+00	9.74E-08	1.84E-08	1.17E-07	1.80E-08	1.64E-08	2.67E-07	2.76E-07	1.01E-07	1.38E-07	5.15E-08	2.76E-07	1.01E-07
1718	494511.1	3858952	8.69E-04	8.90E-04	8.40E-04	3.01E-07	9.09E-07	5.26E-07	5.39E-07	4.88E-07	2.23E-07	2.10E-07	0.00E+00	0.00E+00	9.68E-08	1.83E-08	1.16E-07	1.79E-08	1.63E-08	2.65E-07	2.74E-07	1.01E-07	1.37E-07	5.12E-08	2.74E-07	1.01E-07
1719	494561.1	3858952	8.60E-04	8.81E-04	8.31E-04	2.98E-07	8.99E-07	5.21E-07	5.33E-07	4.83E-07	2.21E-07	2.08E-07	0.00E+00	0.00E+00	9.58E-08	1.81E-08	1.15E-07	1.77E-08	1.61E-08	2.63E-07	2.72E-07	9.96E-08	1.36E-07	5.07E-08	2.72E-07	9.96E-08
1720	494611.1	3858952	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	0.00E+00	0.00E+00	9.45E-08	1.79E-08	1.13E-07	1.75E-08	1.59E-08	2.59E-07	2.68E-07	9.82E-08	1.34E-07	5.00E-08	2.68E-07	9.82E-08
1721	494661.1	3858952	8.37E-04	8.57E-04	8.08E-04	2.90E-07	8.75E-07	5.06E-07	5.19E-07	4.70E-07	2.15E-07	2.02E-07	0.00E+00	0.00E+00	9.32E-08	1.76E-08	1.12E-07	1.72E-08	1.57E-08	2.55E-07	2.64E-07	9.69E-08	1.32E-07	4.93E-08	2.64E-07	9.69E-08
1722	494711.1	3858952	8.24E-04	8.43E-04	7.96E-04	2.85E-07	8.61E-07	4.98E-07	5.10E-07	4.63E-07	2.11E-07	1.99E-07	0.00E+00	0.00E+00	9.17E-08	1.73E-08	1.10E-07	1.70E-08	1.54E-08	2.51E-07	2.60E-07	9.53E-08	1.30E-07	4.85E-08	2.60E-07	9.53E-08
1723	494761.1	3858952	8.12E-04	8.31E-04	7.84E-04	2.81E-07	8.48E-07	4.91E-07	5.03E-07	4.56E-07	2.08E-07	1.96E-07	0.00E+00	0.00E+00	9.04E-08	1.71E-08	1.08E-07	1.67E-08	1.52E-08	2.48E-07	2.56E-07	9.40E-08	1.28E-07	4.78E-08	2.56E-07	9.40E-08
1724	494811.1	3858952	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	0.00E+00	0.00E+00	8.95E-08	1.69E-08	1.07E-07	1.66E-08	1.51E-08	2.45E-07	2.54E-07	9.31E-08	1.27E-07	4.74E-08	2.54E-07	9.31E-08
1725	494861.1	3858952	7.95E-04	8.15E-04	7.69E-04	2.75E-07	8.31E-07	4.81E-07	4.93E-07	4.47E-07	2.04E-07	1.92E-07	0.00E+00	0.00E+00	8.86E-08	1.67E-08	1.06E-07	1.64E-08	1.49E-08	2.43E-07	2.51E-07	9.21E-08	1.25E-07	4.68E-08	2.51E-07	9.21E-08
1726	494911.1	3858952	7.85E-04	8.04E-04	7.59E-04	2.72E-07	8.21E-07	4.75E-07	4.87E-07	4.41E-07	2.01E-07	1.90E-07	0.00E+00	0.00E+00	8.74E-08	1.65E-08	1.05E-07	1.62E-08	1.47E-08	2.40E-07	2.48E-07	9.09E-08	1.24E-07	4.62E-08	2.48E-07	9.09E-08
1727	494961.1	3858952	7.78E-04	7.97E-04	7.51E-04	2.69E-07	8.13E-07	4.71E-07	4.82E-07	4.37E-07	1.99E-07	1.88E-07	0.00E+00	0.00E+00	8.66E-08	1.64E-08	1.04E-07	1.60E-08	1.46E-08	2.37E-07	2.45E-07	9.00E-08	1.23E-07	4.58E-08	2.45E-07	9.00E-08
1728	495011.1	3858952	7.63E-04	7.82E-04	7.37E-04	2.64E-07	7.98E-07	4.62E-07	4.73E-07	4.29E-07	1.96E-07	1.84E-07	0.00E+00	0.00E+00	8.49E-08	1.61E-08	1.02E-07	1.57E-08	1.43E-08	2.33E-07	2.41E-07	8.83E-08	1.20E-07	4.49E-08	2.41E-07	8.83E-08
1729	495061.1	3858952	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.35E-08	1.58E-08	1.00E-07	1.54E-08	1.40E-08	2.29E-07	2.37E-07	8.68E-08	1.18E-07	4.41E-08	2.37E-07	8.68E-08
1730	495111.1	3858952	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.23E-08	1.56E-08	9.87E-08	1.52E-08	1.38E-08	2.26E-07	2.33E-07	8.56E-08	1.16E-07	4.35E-08	2.33E-07	8.56E-08
1731	495161.1	3858952	7.41E-04	7.59E-04	7.16E-04	2.56E-07	7.74E-07	4.48E-07	4.59E-07	4.16E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.25E-08	1.56E-08	9.89E-08	1.53E-08	1.39E-08	2.26E-07	2.34E-07	8.58E-08	1.17E-07	4.36E-08	2.34E-07	8.58E-08
1732	495211.1	3858952	7.38E-04	7.56E-04	7.13E-04	2.55E-07	7.71E-07	4.47E-07	4.57E-07	4.15E-07	1.89E-07	1.78E-07	0.00E+00	0.00E+00	8.21E-08	1.55E-08	9.85E-08	1.52E-08	1.38E-08	2.25E-07	2.33E-07	8.54E-08	1.16E-07	4.34E-08	2.33E-07	8.54E-08
1733	495261.1	3858952	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	0.00E+00	0.00E+00	8.17E-08	1.54E-08	9.79E-08	1.51E-08	1.37E-08	2.24E-07	2.32E-07	8.49E-08	1.16E-07	4.32E-08	2.32E-07	8.49E-08
1734	495311.1	3858952	7.28E-04	7.45E-04	7.03E-04	2.52E-07	7.60E-07	4.40E-07	4.51E-07	4.09E-07	1.87E-07	1.76E-07	0.00E+00	0.00E+00	8.10E-08	1.53E-08	9.71E-08	1.50E-08	1.36E-08	2.22E-07	2.30E-07	8.42E-08	1.15E-07	4.28E-08	2.30E-07	8.42E-08
1735	495361.1	3858952	7.26E-04	7.44E-04	7.02E-04	2.51E-07	7.59E-07	4.39E-07	4.50E-07	4.08E-07	1.86E-07	1.76E-07	0.00E+00	0.00E+00	8.08E-08	1.53E-08	9.69E-08	1.49E-08	1.36E-08	2.22E-07	2.29E-07	8.41E-08	1.14E-07	4.27E-08	2.29E-07	8.41E-08
1736	495411.1	3858952	7.23E-04	7.41E-04	6.99E-04	2.50E-07	7.56E-07	4.38E-07	4.48E-07	4.06E-07	1.85E-07	1.75E-07	0.00E+00	0.00E+00	8.05E-08	1.52E-08	9.65E-08	1.49E-08	1.35E-08	2.21E-07	2.28E-07	8.37E-08	1.14E-07	4.26E-08	2.28E-07	8.37E-08
1737	495461.1	3858952	7.20E-04	7.38E-04	6.96E-04	2.49E-07	7.53E-07	4.36E-07	4.46E-07	4.05E-07	1.85E-07	1.74E-07	0.00E+00	0.00E+00	8.02E-08	1.52E-08	9.61E-08	1.48E-08	1.35E-08	2.20E-07	2.27E-07	8.34E-08	1.13E-07	4.24E-08	2.27E-07	8.34E-08
1738	495511.1	3858952	7.17E-04	7.35E-04	6.93E-04	2.48E-07	7.50E-07	4.34E-07	4.45E-07	4.03E-07	1.84E-07	1.73E-07	0.00E+00	0.00E+00	7.98E-08	1.51E-08	9.57E-08	1.48E-08	1.34E-08	2.19E-07	2.26E-07	8.30E-08	1.13E-07	4.22E-08	2.26E-07	8.30E-08
1739	495561.1	3858952	7.10E-04	7.27E-04	6.86E-04	2.46E-07	7.42E-07	4.30E-07	4.40E-07	3.99E-07	1.82E-07	1.72E-07	0.00E+00	0.00E+00	7.90E-08	1.49E-08	9.48E-08	1.46E-08	1.33E-08	2.17E-07	2.24E-07	8.22E-08	1.12E-07	4.18E-08	2.24E-07	8.22E-08
1740	495611.1	3858952	7.04E-04	7.21E-04	6.80E-04	2.44E-07	7.36E-07	4.26E-07	4.36E-07	3.95E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.84E-08	1.48E-08	9.40E-08	1.45E-08	1.32E-08	2.15E-07	2.22E-07	8.15E-08	1.11E-07	4.14E-08	2.22E-07	8.15E-08
1741	495661.1	3858952	7.03E-04	7.20E-04	6.79E-04	2.43E-07	7.34E-07	4.25E-07	4.35E-07	3.95E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.82E-08	1.48E-08	9.38E-08	1.45E-08	1.32E-08	2.14E-07	2.22E-07	8.13E-08	1.11E-07	4.14E-08	2.22E-07	8.13E-08
1742	494311.1	3859002	9.11E-04	9.33E-04	8.80E-04	3.15E-07	9.52E-07	5.51E-07	5.64E-07	5.12E-07	2.33E-07	2.20E-07	0.00E+00	0.00E+00	1.01E-07	1.92E-08	1.22E-07	1.87E-08	1.70E-08	2.78E-07	2.87E-07	1.05E-07	1.43E-07	5.36E-08	2.87E-07	1.05E-07
1743	494361.1	3859002	9.06E-04	9.28E-04	8.75E-04	3.14E-07	9.47E-07	5.48E-07	5.62E-07	5.09E-07	2.32E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.70E-08	2.77E-07	2.86E-07	1.05E-07	1.43E-07	5.33E-08	2.86E-07	1.05E-07
1744	494411.1	3859002	9.05E-04	9.27E-04	8.74E-04	3.13E-07	9.46E-07	5.47E-07	5.61E-07	5.08E-07	2.32E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.69E-08	2.76E-07	2.86E-07	1.05E-07	1.43E-07	5.33E-08	2.86E-07	1.05E-07
1745	494461.1	3859002	8.99E-04	9.21E-04	8.68E-04	3.11E-07	9.39E-07	5.44E-07	5.57E-07	5.05E-07	2.30E-07	2.17E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.68E-08	2.74E-07	2.84E-07	1.04E-07	1.42E-07	5.29E-08	2.84E-07	1.04E-07
1746	494511.1	3859002	8.91E-04	9.13E-04	8.61E-04	3.09E-07	9.32E-07	5.39E-07	5.52E-07	5.01E-07	2.29E-07	2.16E-07	0.00E+00	0.00E+00	9.92E-08	1.88E-08	1.19E-07	1.83E-08	1.67E-08	2.72E-07	2.81E-07	1.03E-07	1.40E-07	5.25E-08	2.81E-07	1.03E-07
1747	494561.1	3859002	8.80E-04	9.01E-04	8.50E-04	3.04E-07	9.19E-07	5.32E-07	5.45E-07	4.94E-07	2.25E-07	2.13E-07	0.00E+00	0.00E+00	9.79E-08	1.85E-08	1.17E-07	1.81E-08	1.65E-08	2.68E-07	2.78E-07	1.02E-07	1.39E-07	5.18E-08	2.78E-07	1.02E-07
1748	494611.1	3859002	8.69E-04	8.90E-04	8.40E-04	3.01E-07	9.09E-07	5.26E-07	5.39E-07	4.88E-07	2.23E-07	2.10E-07	0.00E+00	0.00E+00	9.68E-08	1.83E-08	1.16E-07	1.79E-08	1.63E-08	2.65E-07	2.74E-07	1.01E-07	1.37E-07	5.12E-08	2.74E-07	1.01E-07
1749	494661.1	3859002	8.56E-04	8.77E-04	8.27E-04	2.96E-07	8.95E-07	5.18E-07	5.30E-07	4.81E-07	2.19E-07	2.07E-07	0.00E+00	0.00E+00	9.53E-08	1.80E-08	1.14E-07	1.76E-08	1.60E-08	2.61E-07	2.70E-07	9.91E-08	1.35E-07	5.04E-08	2.70E-07	9.91E-08
1750	494711.1	3859002	8.41E-04	8.62E-04	8.13E-04	2.91E-07	8.79E-07	5.09E-07	5.21E-07	4.73E-07	2.16E-07	2.03E-07	0.00E+00	0.00E+00	9.36E-08	1.77E-08	1.12E-07	1.73E-08	1.58E-08	2.57E-07	2.66E-07	9.74E-08	1.33E-07	4.95E-08	2.66E-07	9.74E-08
1751	494761.1	3859002	8.32E-04	8.53E-04	8.04E-04	2.88E-07	8.70E-07	5.04E-07	5.16E-07	4.68E-07	2.13E-07	2.01E-07	0.00E+00	0.00E+00	9.27E-08	1.75E-08	1.11E-07	1.71E-08	1.56E-08	2.54E-07	2.63E-07	9.64E-08	1.31E-07	4.90E-08	2.63E-07	9.64E-08
1752	494811.1	3859002	8.25E-04	8.45E-04	7.97E-04	2.86E-07	8.62E-07	4.99E-07	5.11E-07	4.63E-07	2.11E-07	1.99E-07	0.00E+00	0.00E+00	9.18E-08	1.74E-08	1.10E-07	1.70E-08	1.54E-08	2.52E-07	2.60E-07	9.55E-08	1.30E-07	4.86E-08	2.60E-07	9.55E-08
1753	494861.1	3859002	8.15E-04	8.34E-04	7.87E-04	2.82E-07	8.52E-07	4.93E-07	5.05E-07	4.58E-07	2.09E-07	1.97E-07	0.00E+00	0.00E+00	9.07E-08	1.71E-08	1.09E-07	1.68E-08	1.53E-08	2.49E-07	2.57E-07	9.43E-08	1.28E-07	4.80E-08	2.57E-07	9.43E-08
1754	494911.1	3859002	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	0.00E+00	0.00E+00	8.95E-08	1.69E-08	1.07E-07	1.66E-08	1.51E-08	2.45E-07	2.54E-07	9.31E-08	1.27E-07	4.74E-08	2.54E-07	9.31E-08
1755	494961.1	3859002	7.94E-04	8.13E-04	7.67E-04	2.75E-07	8.30E-07	4.80E-07	4.92E-07	4.46E-07	2.04E-07	1.92E-07	0.00E+00	0.00E+00	8.84E-08	1.67E-08	1.06E-07	1.63E-08	1.49E-08	2.42E-07	2.51E-07	9.19E-08	1.25E-07	4.67E-08	2.51E-07	9.19E-08
1756	495011.1	3859002	7.70E-04	7.89E-04	7.44E-04	2.67E-07	8.05E-07	4.66E-07	4.77E-07	4.33E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.58E-08	1.62E-08	1.03E-07	1.59E-08	1.44E-08	2.35E-07	2.43E-07	8.92E-08	1.21E-07	4.54E-08	2.43E-07	8.92E-08
1757	495061.1	3859002	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	0.00E+00	0.00E+00	8.51E-08	1.61E-08	1.02E-07	1.57E-08	1.43E-08	2.33E-07	2.41E-07	8.85E-08	1.20E-07	4.50E-08	2.41E-07	8.85E-08
1758	495111.1	3859002	7.54E-04	7.72E-04	7.29E-04	2.61E-07	7.88E-07	4.56E-07	4.67E-07	4.24E-07	1.93E-07	1.82E-07	0.00E+00	0.00E+00	8.40E-08	1.59E-08	1.01E-07	1.55E-08	1.41E-08	2.30E-07	2.38E-07	8.73E-08	1.19E-07	4.44E-08	2.38E-07	8.73E-08
1759	495161.1	3859002	7.57E-04	7.75E-04	7.31E-04	2.62E-07	7.91E-07	4.58E-07	4.69E-07	4.25E-07	1.94E-07	1.83E-07	0.00E+00	0.00E+00	8.43E-08	1.59E-08	1.01E-07	1.56E-08	1.42E-08	2.31E-07	2.39E-07	8.76E-08	1.19E-07	4.46E-08	2.39E-07	8.76E-08
1760	495211.1	3859002	7.53E-04	7.71E-04	7.27E-04	2.61E-07	7.87E-07	4.55E-07	4.66E-07	4.23E-07	1.93E-07	1.82E-07	0.00E+00	0.00E+00	8.38E-08	1.58E-08	1.00E-07	1.55E-08	1.41E-08	2.30E-07	2.38E-07	8.71E-08	1.19E-07	4.43E-08	2.38E-07	8.71E-08
1761	495261.1	3859002	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.35E-08	1.58E-08	1.00E-07	1.54E-08	1.40E-08	2.29E-07	2.37E-07	8.68E-08	1.18E-07	4.41E-08	2.37E-07	8.68E-08
1762	495311.1	3859002	7.45E-04	7.63E-04	7.20E-04	2.58E-07	7.79E-07	4.51E-07	4.62E-07	4.19E-07	1.91E-07	1.80E-07	0.00E+00	0.00E+00	8.30E-08	1.57E-08	9.95E-08	1.53E-08	1.40E-08	2.27E-07	2.35E-07	8.63E-08	1.17E-07	4.39E-08	2.35E-07	8.63E-08
1763	495361.1	3859002	7.42E-04	7.60E-04	7.17E-04	2.57E-07	7.76E-07	4.49E-07	4.60E-07	4.17E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.26E-08	1.56E-08	9.91E-08	1.53E-08	1.39E-08	2.27E-07	2.34E-07	8.59E-08	1.17E-07	4.37E-08	2.34E-07	8.59E-08
1764	495411.1	3859002	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.23E-08	1.56E-08	9.87E-08	1.52E-08	1.38E-08	2.26E-07	2.33E-07	8.56E-08	1.16E-07	4.35E-08	2.33E-07	8.56E-08
1765	495461.1	3859002	7.36E-04	7.54E-04	7.11E-04	2.55E-07	7.70E-07	4.46E-07	4.56E-07	4.14E-07	1.89E-07	1.78E-07	0.00E+00	0.00E+00	8.20E-08	1.55E-08	9.83E-08	1.52E-08	1.38E-08	2.25E-07	2.32E-07	8.53E-08	1.16E-07	4.34E-08	2.32E-07	8.53E-08
1766	495511.1	3859002	7.29E-04	7.47E-04	7.04E-04	2.52E-07	7.62E-07	4.41E-07	4.52E-07	4.10E-07	1.87E-07	1.76E-07	0.00E+00	0.00E+00	8.12E-08	1.53E-08	9.73E-08	1.50E-08	1.37E-08	2.22E-07	2.30E-07	8.44E-08	1.15E-07	4.29E-08	2.30E-07	8.44E-08
1767	495561.1	3859002	7.25E-04	7.42E-04	7.00E-04	2.51E-07	7.57E-07	4.38E-07	4.49E-07	4.07E-07	1.86E-07	1.75E-07	0.00E+00	0.00E+00	8.07E-08	1.52E-08	9.67E-08	1.49E-08	1.36E-08	2.21E-07	2.29E-07	8.39E-08	1.14E-07	4.27E-08	2.29E-07	8.39E-08
1768	495611.1	3859002	7.19E-04	7.36E-04	6.94E-04	2.49E-07	7.51E-07	4.35E-07	4.45E-07	4.04E-07	1.84E-07	1.74E-07	0.00E+00	0.00E+00	8.00E-08	1.51E-08	9.59E-08	1.48E-08	1.35E-08	2.19E-07	2.27E-07	8.32E-08	1.13E-07	4.23E-08	2.27E-07	8.32E-08
1769	495661.1	3859002	7.19E-04	7.36E-04	6.94E-04	2.49E-07	7.51E-07	4.35E-07	4.45E-07	4.04E-07	1.84E-07	1.74E-07	0.00E+00	0.00E+00	8.00E-08	1.51E-08	9.59E-08	1.48E-08	1.35E-08	2.19E-07	2.27E-07	8.32E-08	1.13E-07	4.23E-08	2.27E-07	8.32E-08

1770	494311.1	3859052	9.39E-04	9.61E-04	9.07E-04	3.25E-07	9.81E-07	5.68E-07	5.82E-07	5.27E-07	2.41E-07	2.27E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.93E-08	1.76E-08	2.86E-07	2.96E-07	1.09E-07	1.48E-07	5.53E-08	2.96E-07	1.09E-07
1771	494361.1	3859052	9.39E-04	9.61E-04	9.07E-04	3.25E-07	9.81E-07	5.68E-07	5.82E-07	5.27E-07	2.41E-07	2.27E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.93E-08	1.76E-08	2.86E-07	2.96E-07	1.09E-07	1.48E-07	5.53E-08	2.96E-07	1.09E-07
1772	494411.1	3859052	9.30E-04	9.52E-04	8.98E-04	3.22E-07	9.72E-07	5.63E-07	5.76E-07	5.22E-07	2.38E-07	2.25E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.91E-08	1.74E-08	2.84E-07	2.93E-07	1.08E-07	1.46E-07	5.47E-08	2.93E-07	1.08E-07
1773	494461.1	3859052	9.21E-04	9.43E-04	8.90E-04	3.19E-07	9.63E-07	5.57E-07	5.71E-07	5.17E-07	2.36E-07	2.23E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.72E-08	2.81E-07	2.91E-07	1.07E-07	1.45E-07	5.42E-08	2.91E-07	1.07E-07
1774	494511.1	3859052	9.11E-04	9.33E-04	8.80E-04	3.15E-07	9.52E-07	5.51E-07	5.64E-07	5.12E-07	2.33E-07	2.20E-07	0.00E+00	0.00E+00	1.01E-07	1.92E-08	1.22E-07	1.87E-08	1.70E-08	2.78E-07	2.87E-07	1.05E-07	1.43E-07	5.36E-08	2.87E-07	1.05E-07
1775	494561.1	3859052	9.00E-04	9.22E-04	8.70E-04	3.12E-07	9.41E-07	5.45E-07	5.58E-07	5.06E-07	2.31E-07	2.18E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.69E-08	2.75E-07	2.84E-07	1.04E-07	1.42E-07	5.30E-08	2.84E-07	1.04E-07
1776	494611.1	3859052	8.88E-04	9.10E-04	8.58E-04	3.08E-07	9.29E-07	5.38E-07	5.51E-07	4.99E-07	2.28E-07	2.15E-07	0.00E+00	0.00E+00	9.89E-08	1.87E-08	1.19E-07	1.83E-08	1.66E-08	2.71E-07	2.80E-07	1.03E-07	1.40E-07	5.23E-08	2.80E-07	1.03E-07
1777	494661.1	3859052	8.75E-04	8.96E-04	8.46E-04	3.03E-07	9.15E-07	5.30E-07	5.42E-07	4.92E-07	2.24E-07	2.12E-07	0.00E+00	0.00E+00	9.74E-08	1.84E-08	1.17E-07	1.80E-08	1.64E-08	2.67E-07	2.76E-07	1.01E-07	1.38E-07	5.15E-08	2.76E-07	1.01E-07
1778	494711.1	3859052	8.63E-04	8.84E-04	8.34E-04	2.99E-07	9.02E-07	5.22E-07	5.35E-07	4.85E-07	2.21E-07	2.09E-07	0.00E+00	0.00E+00	9.61E-08	1.82E-08	1.15E-07	1.78E-08	1.62E-08	2.63E-07	2.72E-07	9.99E-08	1.36E-07	5.08E-08	2.72E-07	9.99E-08
1779	494761.1	3859052	8.52E-04	8.72E-04	8.23E-04	2.95E-07	8.90E-07	5.15E-07	5.28E-07	4.78E-07	2.18E-07	2.06E-07	0.00E+00	0.00E+00	9.48E-08	1.79E-08	1.14E-07	1.75E-08	1.59E-08	2.60E-07	2.69E-07	9.86E-08	1.34E-07	5.01E-08	2.69E-07	9.86E-08
1780	494811.1	3859052	8.43E-04	8.63E-04	8.14E-04	2.92E-07	8.81E-07	5.10E-07	5.22E-07	4.73E-07	2.16E-07	2.04E-07	0.00E+00	0.00E+00	9.38E-08	1.77E-08	1.12E-07	1.73E-08	1.58E-08	2.57E-07	2.66E-07	9.76E-08	1.33E-07	4.96E-08	2.66E-07	9.76E-08
1781	494861.1	3859052	8.34E-04	8.54E-04	8.06E-04	2.89E-07	8.72E-07	5.05E-07	5.17E-07	4.68E-07	2.14E-07	2.02E-07	0.00E+00	0.00E+00	9.28E-08	1.75E-08	1.11E-07	1.72E-08	1.56E-08	2.54E-07	2.63E-07	9.65E-08	1.31E-07	4.91E-08	2.63E-07	9.65E-08
1782	494911.1	3859052	8.21E-04	8.40E-04	7.93E-04	2.84E-07	8.58E-07	4.97E-07	5.09E-07	4.61E-07	2.10E-07	1.98E-07	0.00E+00	0.00E+00	9.13E-08	1.73E-08	1.10E-07	1.69E-08	1.54E-08	2.50E-07	2.59E-07	9.50E-08	1.29E-07	4.83E-08	2.59E-07	9.50E-08
1783	494961.1	3859052	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	0.00E+00	0.00E+00	8.95E-08	1.69E-08	1.07E-07	1.66E-08	1.51E-08	2.45E-07	2.54E-07	9.31E-08	1.27E-07	4.74E-08	2.54E-07	9.31E-08
1784	495011.1	3859052	7.91E-04	8.10E-04	7.64E-04	2.74E-07	8.27E-07	4.79E-07	4.90E-07	4.44E-07	2.03E-07	1.91E-07	0.00E+00	0.00E+00	8.81E-08	1.66E-08	1.06E-07	1.63E-08	1.48E-08	2.41E-07	2.50E-07	9.16E-08	1.25E-07	4.66E-08	2.50E-07	9.16E-08
1785	495061.1	3859052	7.82E-04	8.01E-04	7.56E-04	2.71E-07	8.18E-07	4.73E-07	4.85E-07	4.39E-07	2.01E-07	1.89E-07	0.00E+00	0.00E+00	8.71E-08	1.65E-08	1.04E-07	1.61E-08	1.46E-08	2.39E-07	2.47E-07	9.05E-08	1.23E-07	4.60E-08	2.47E-07	9.05E-08
1786	495111.1	3859052	7.75E-04	7.94E-04	7.49E-04	2.68E-07	8.10E-07	4.69E-07	4.80E-07	4.35E-07	1.99E-07	1.87E-07	0.00E+00	0.00E+00	8.63E-08	1.63E-08	1.03E-07	1.59E-08	1.45E-08	2.36E-07	2.45E-07	8.97E-08	1.22E-07	4.56E-08	2.45E-07	8.97E-08
1787	495161.1	3859052	7.75E-04	7.94E-04	7.49E-04	2.68E-07	8.10E-07	4.69E-07	4.80E-07	4.35E-07	1.99E-07	1.87E-07	0.00E+00	0.00E+00	8.63E-08	1.63E-08	1.03E-07	1.59E-08	1.45E-08	2.36E-07	2.45E-07	8.97E-08	1.22E-07	4.56E-08	2.45E-07	8.97E-08
1788	495211.1	3859052	7.69E-04	7.88E-04	7.43E-04	2.66E-07	8.04E-07	4.65E-07	4.77E-07	4.32E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.56E-08	1.62E-08	1.03E-07	1.58E-08	1.44E-08	2.35E-07	2.43E-07	8.90E-08	1.21E-07	4.53E-08	2.43E-07	8.90E-08
1789	495261.1	3859052	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.54E-08	1.61E-08	1.02E-07	1.58E-08	1.44E-08	2.34E-07	2.42E-07	8.88E-08	1.21E-07	4.52E-08	2.42E-07	8.88E-08
1790	495311.1	3859052	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	0.00E+00	0.00E+00	8.48E-08	1.60E-08	1.02E-07	1.57E-08	1.43E-08	2.32E-07	2.40E-07	8.82E-08	1.20E-07	4.48E-08	2.40E-07	8.82E-08
1791	495361.1	3859052	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	0.00E+00	0.00E+00	8.44E-08	1.60E-08	1.01E-07	1.56E-08	1.42E-08	2.31E-07	2.39E-07	8.78E-08	1.20E-07	4.47E-08	2.39E-07	8.78E-08
1792	495411.1	3859052	7.56E-04	7.74E-04	7.30E-04	2.62E-07	7.90E-07	4.57E-07	4.68E-07	4.25E-07	1.94E-07	1.83E-07	0.00E+00	0.00E+00	8.41E-08	1.59E-08	1.01E-07	1.56E-08	1.41E-08	2.31E-07	2.38E-07	8.75E-08	1.19E-07	4.45E-08	2.38E-07	8.75E-08
1793	495461.1	3859052	7.53E-04	7.71E-04	7.27E-04	2.61E-07	7.87E-07	4.55E-07	4.66E-07	4.23E-07	1.93E-07	1.82E-07	0.00E+00	0.00E+00	8.38E-08	1.58E-08	1.00E-07	1.55E-08	1.41E-08	2.30E-07	2.38E-07	8.71E-08	1.19E-07	4.43E-08	2.38E-07	8.71E-08
1794	495511.1	3859052	7.45E-04	7.63E-04	7.20E-04	2.58E-07	7.79E-07	4.51E-07	4.62E-07	4.19E-07	1.91E-07	1.80E-07	0.00E+00	0.00E+00	8.30E-08	1.57E-08	9.95E-08	1.53E-08	1.40E-08	2.27E-07	2.35E-07	8.63E-08	1.17E-07	4.39E-08	2.35E-07	8.63E-08
1795	495561.1	3859052	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.23E-08	1.56E-08	9.87E-08	1.52E-08	1.38E-08	2.26E-07	2.33E-07	8.56E-08	1.16E-07	4.35E-08	2.33E-07	8.56E-08
1796	495611.1	3859052	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	0.00E+00	0.00E+00	8.17E-08	1.54E-08	9.79E-08	1.51E-08	1.37E-08	2.24E-07	2.32E-07	8.49E-08	1.16E-07	4.32E-08	2.32E-07	8.49E-08
1797	495661.1	3859052	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	0.00E+00	0.00E+00	8.17E-08	1.54E-08	9.79E-08	1.51E-08	1.37E-08	2.24E-07	2.32E-07	8.49E-08	1.16E-07	4.32E-08	2.32E-07	8.49E-08
1798	494311.1	3859102	9.73E-04	9.96E-04	9.40E-04	3.37E-07	1.02E-06	5.88E-07	6.03E-07	5.46E-07	2.49E-07	2.35E-07	0.00E+00	0.00E+00	1.08E-07	2.05E-08	1.30E-07	2.00E-08	1.82E-08	2.97E-07	3.07E-07	1.13E-07	1.53E-07	5.73E-08	3.07E-07	1.13E-07
1799	494361.1	3859102	9.64E-04	9.87E-04	9.31E-04	3.34E-07	1.01E-06	5.83E-07	5.97E-07	5.41E-07	2.47E-07	2.33E-07	0.00E+00	0.00E+00	1.07E-07	2.03E-08	1.29E-07	1.98E-08	1.80E-08	2.94E-07	3.04E-07	1.12E-07	1.52E-07	5.67E-08	3.04E-07	1.12E-07
1800	494411.1	3859102	9.58E-04	9.81E-04	9.25E-04	3.32E-07	1.00E-06	5.80E-07	5.94E-07	5.38E-07	2.46E-07	2.32E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.28E-07	1.97E-08	1.79E-08	2.92E-07	3.02E-07	1.11E-07	1.51E-07	5.64E-08	3.02E-07	1.11E-07
1801	494461.1	3859102	9.48E-04	9.70E-04	9.15E-04	3.28E-07	9.90E-07	5.73E-07	5.87E-07	5.32E-07	2.43E-07	2.29E-07	0.00E+00	0.00E+00	1.05E-07	1.99E-08	1.26E-07	1.95E-08	1.77E-08	2.89E-07	2.99E-07	1.10E-07	1.49E-07	5.58E-08	2.99E-07	1.10E-07
1802	494511.1	3859102	9.33E-04	9.55E-04	9.01E-04	3.23E-07	9.75E-07	5.64E-07	5.78E-07	5.24E-07	2.39E-07	2.26E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.25E-07	1.92E-08	1.75E-08	2.85E-07	2.94E-07	1.08E-07	1.47E-07	5.49E-08	2.94E-07	1.08E-07
1803	494561.1	3859102	9.22E-04	9.45E-04	8.91E-04	3.19E-07	9.64E-07	5.58E-07	5.72E-07	5.18E-07	2.36E-07	2.23E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.73E-08	2.81E-07	2.91E-07	1.07E-07	1.45E-07	5.43E-08	2.91E-07	1.07E-07
1804	494611.1	3859102	9.08E-04	9.30E-04	8.77E-04	3.14E-07	9.49E-07	5.49E-07	5.63E-07	5.10E-07	2.33E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.70E-08	2.77E-07	2.86E-07	1.05E-07	1.43E-07	5.34E-08	2.86E-07	1.05E-07
1805	494661.1	3859102	8.97E-04	9.19E-04	8.67E-04	3.11E-07	9.38E-07	5.43E-07	5.56E-07	5.04E-07	2.30E-07	2.17E-07	0.00E+00	0.00E+00	9.99E-08	1.89E-08	1.20E-07	1.85E-08	1.68E-08	2.74E-07	2.83E-07	1.04E-07	1.41E-07	5.28E-08	2.83E-07	1.04E-07
1806	494711.1	3859102	8.81E-04	9.02E-04	8.51E-04	3.05E-07	9.21E-07	5.33E-07	5.46E-07	4.95E-07	2.26E-07	2.13E-07	0.00E+00	0.00E+00	9.81E-08	1.85E-08	1.18E-07	1.81E-08	1.65E-08	2.69E-07	2.78E-07	1.02E-07	1.39E-07	5.19E-08	2.78E-07	1.02E-07
1807	494761.1	3859102	8.75E-04	8.96E-04	8.46E-04	3.03E-07	9.15E-07	5.30E-07	5.42E-07	4.92E-07	2.24E-07	2.12E-07	0.00E+00	0.00E+00	9.74E-08	1.84E-08	1.17E-07	1.80E-08	1.64E-08	2.67E-07	2.76E-07	1.01E-07	1.38E-07	5.15E-08	2.76E-07	1.01E-07
1808	494811.1	3859102	8.63E-04	8.84E-04	8.34E-04	2.99E-07	9.02E-07	5.22E-07	5.35E-07	4.85E-07	2.21E-07	2.09E-07	0.00E+00	0.00E+00	9.61E-08	1.82E-08	1.15E-07	1.78E-08	1.62E-08	2.63E-07	2.72E-07	9.99E-08	1.36E-07	5.08E-08	2.72E-07	9.99E-08
1809	494861.1	3859102	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	0.00E+00	0.00E+00	9.50E-08	1.79E-08	1.14E-07	1.76E-08	1.60E-08	2.60E-07	2.69E-07	9.87E-08	1.34E-07	5.02E-08	2.69E-07	9.87E-08
1810	494911.1	3859102	8.40E-04	8.60E-04	8.11E-04	2.91E-07	8.78E-07	5.08E-07	5.20E-07	4.72E-07	2.15E-07	2.03E-07	0.00E+00	0.00E+00	9.35E-08	1.77E-08	1.12E-07	1.73E-08	1.57E-08	2.56E-07	2.65E-07	9.72E-08	1.32E-07	4.94E-08	2.65E-07	9.72E-08
1811	494961.1	3859102	8.22E-04	8.42E-04	7.94E-04	2.85E-07	8.59E-07	4.97E-07	5.09E-07	4.62E-07	2.11E-07	1.99E-07	0.00E+00	0.00E+00	9.15E-08	1.73E-08	1.10E-07	1.69E-08	1.54E-08	2.51E-07	2.59E-07	9.52E-08	1.30E-07	4.84E-08	2.59E-07	9.52E-08
1812	495011.1	3859102	8.03E-04	8.22E-04	7.76E-04	2.78E-07	8.39E-07	4.86E-07	4.98E-07	4.51E-07	2.06E-07	1.94E-07	0.00E+00	0.00E+00	8.94E-08	1.69E-08	1.07E-07	1.65E-08	1.50E-08	2.45E-07	2.53E-07	9.29E-08	1.26E-07	4.73E-08	2.53E-07	9.29E-08
1813	495061.1	3859102	8.00E-04	8.19E-04	7.73E-04	2.77E-07	8.36E-07	4.84E-07	4.96E-07	4.49E-07	2.05E-07	1.93E-07	0.00E+00	0.00E+00	8.90E-08	1.68E-08	1.07E-07	1.65E-08	1.50E-08	2.44E-07	2.52E-07	9.26E-08	1.26E-07	4.71E-08	2.52E-07	9.26E-08
1814	495111.1	3859102	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	0.00E+00	0.00E+00	8.82E-08	1.67E-08	1.06E-07	1.63E-08	1.48E-08	2.42E-07	2.50E-07	9.17E-08	1.25E-07	4.67E-08	2.50E-07	9.17E-08
1815	495161.1	3859102	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	0.00E+00	0.00E+00	8.82E-08	1.67E-08	1.06E-07	1.63E-08	1.48E-08	2.42E-07	2.50E-07	9.17E-08	1.25E-07	4.67E-08	2.50E-07	9.17E-08
1816	495211.1	3859102	7.87E-04	8.06E-04	7.60E-04	2.72E-07	8.22E-07	4.76E-07	4.88E-07	4.42E-07	2.02E-07	1.90E-07	0.00E+00	0.00E+00	8.76E-08	1.65E-08	1.05E-07	1.62E-08	1.47E-08	2.40E-07	2.48E-07	9.11E-08	1.24E-07	4.63E-08	2.48E-07	9.11E-08
1817	495261.1	3859102	7.84E-04	8.03E-04	7.57E-04	2.71E-07	8.19E-07	4.74E-07	4.86E-07	4.40E-07	2.01E-07	1.89E-07	0.00E+00	0.00E+00	8.72E-08	1.65E-08	1.05E-07	1.61E-08	1.47E-08	2.39E-07	2.47E-07	9.07E-08	1.23E-07	4.61E-08	2.47E-07	9.07E-08
1818	495311.1	3859102	7.78E-04	7.97E-04	7.51E-04	2.69E-07	8.13E-07	4.71E-07	4.82E-07	4.37E-07	1.99E-07	1.88E-07	0.00E+00	0.00E+00	8.66E-08	1.64E-08	1.04E-07	1.60E-08	1.46E-08	2.37E-07	2.45E-07	9.00E-08	1.23E-07	4.58E-08	2.45E-07	9.00E-08
1819	495361.1	3859102	7.78E-04	7.97E-04	7.51E-04	2.69E-07	8.13E-07	4.71E-07	4.82E-07	4.37E-07	1.99E-07	1.88E-07	0.00E+00	0.00E+00	8.66E-08	1.64E-08	1.04E-07	1.60E-08	1.46E-08	2.37E-07	2.45E-07	9.00E-08	1.23E-07	4.58E-08	2.45E-07	9.00E-08
1820	495411.1	3859102	7.73E-04	7.92E-04	7.47E-04	2.68E-07	8.08E-07	4.68E-07	4.79E-07	4.34E-07	1.98E-07	1.87E-07	0.00E+00	0.00E+00	8.61E-08	1.63E-08	1.03E-07	1.59E-08	1.45E-08	2.36E-07	2.44E-07	8.95E-08	1.22E-07	4.55E-08	2.44E-07	8.95E-08
1821	495461.1	3859102	7.66E-04	7.85E-04	7.40E-04	2.65E-07	8.01E-07	4.63E-07	4.75E-07	4.30E-07	1.96E-07	1.85E-07	0.00E+00	0.00E+00	8.53E-08	1.61E-08	1.02E-07	1.58E-08	1.43E-08	2.34E-07	2.42E-07	8.87E-08	1.21E-07	4.51E-08	2.42E-07	8.87E-08
1822	495511.1	3859102	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	0.00E+00	0.00E+00	8.48E-08	1.60E-08	1.02E-07	1.57E-08	1.43E-08	2.32E-07	2.40E-07	8.82E-08	1.20E-07	4.48E-08	2.40E-07	8.82E-08
1823	495561.1	3859102	7.57E-04	7.75E-04	7.31E-04	2.62E-07	7.91E-07	4.58E-07	4.69E-07	4.25E-07	1.94E-07	1.83E-07	0.00E+00	0.00E+00	8.43E-08	1.59E-08	1.01E-07	1.56E-08	1.42E-08	2.31E-07	2.39E-07	8.76E-08	1.19E-07	4.46E-08	2.39E-07	8.76E-08
1824	495611.1	3859102	7.51E-04	7.69E-04	7.26E-04	2.60E-07	7.85E-07	4.55E-07	4.66E-07	4.22E-07	1.93E-07	1.82E-07	0.00E+00	0.00E+00	8.36E-08	1.58E-08	1.00E-07	1.55E-08	1.41E-08	2.29E-07	2.37E-07	8.70E-08	1.18E-07	4.42E-08	2.37E-07	8.70E-08
1825	495661.1	3859102	7.48E-04	7.66E-04	7.23E-04	2.59E-07	7.82E-07	4.53E-07	4.64E-07	4.20E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.33E-08	1.57E-08	9.99E-08	1.54E-08	1.40E-08	2.28E-07	2.36E-07	8.66E-08	1.18E-07	4.40E-08	2.36E-07	8.66E-08
1826	494311.1	3859152	1.00E-03	1.02E-03	9.67E-04	3.46E-07	1.05E-06	6.05E-07	6.20E-07	5.62E-07	2.57E-07	2.42E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.34E-07	2.06E-08	1.87E-08	3.05E-07	3.16E-07	1.16E-07	1.58E-07	5.89E-08	3.16E-07	1.16E-07
1827	494361.1	3859152	9.93E-04	1.02E-03	9.60E-04	3.44E-07	1.04E-06	6.01E-07	6.16E-07	5.58E-07	2.55E-07	2.40E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.33E-07	2.04E-08	1.86E-08	3.03E-07	3.13E-07	1.15E-07	1.56E-07	5.85E-08	3.13E-07	1.15E-07
1828	494411.1	3859152	9.81E-04	1.01E-03	9.48E-04	3.40E-07	1.03E-06	5.94E-07	6.08E-07	5.51E-07	2.52E-07	2.37E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.02E-08	1.84E-08	2.99E-07	3.10E-07	1.14E-07	1.55E-07	5.78E-08	3.10E-07	1.14E-07
1829	494461.1	3859152	9.70E-04	9.93E-04	9.37E-04	3.36E-07	1.01E-06	5.87E-07	6.01E-07	5.45E-07	2.49E-07	2.34E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.29E-07	2.00E-08	1.82E-08	2.96E-07	3.06E-07	1.12E-07	1.53E-07	5.71E-08	3.06E-07	1.12E-07
1830	494511.1	3859152	9.55E-04	9.78E-04	9.23E-04	3.31E-07	9.98E-07	5.78E-07	5.92E-07	5.36E-07	2.45E-07	2.31E-07	0.00E+00	0.00E+00	1.06E-07	2.01E-08	1.27E-07	1.97E-08	1.79E-08	2.91E-07	3.01E-07	1.11E-07	1.50E-07	5.62E-08	3.01E-07	1.11E-07
1831	494561.1	3859152	9.45E-04	9.67E-04	9.13E-04	3.27E-07	9.87E-07	5.72E-07	5.85E-07	5.31E-07	2.42E-07	2.28E-07	0.00E+00	0.00E+00	1.05E-07	1.99E-08	1.26E-07	1.94E-08	1.77E-08	2.88E-07	2.98E-07	1.09E-07	1.49E-07	5.56E-08	2.98E-07	1.09E-07
1832	494611.1	3859152	9.30E-04	9.52E-04	8.98E-04	3.22E-07	9.72E-07	5.63E-07	5.76E-07	5.22E-07	2.38E-07	2.25E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.91E-08	1.74E-08	2.84E-07	2.93E-07	1.08E-07	1.46E-07	5.47E-08	2.93E-07	1.08E-07
1833	494661.1	3859152	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.23E-07	1.89E-08	1.72E-08	2.81E-07	2.90E-07	1.06E-07	1.45E-07	5.41E-08	2.90E-07	1.06E-07
1834	494711.1	3859152	9.11E-04	9.33E-04	8.80E-04	3.15E-07	9.52E-07	5.51E-07	5.64E-07	5.12E-07	2.33E-07	2.20E-07	0.00E+00	0.00E+00	1.01E-07	1.92E-08	1.22E-07	1.87E-08	1.70E-08	2.78E-07	2.87E-07	1.05E-07	1.43E-07	5.36E-08	2.87E-07	1.05E-07
1835	494761.1	3859152	8.96E-04	9.18E-04	8.65E-04	3.10E-07	9.36E-07	5.42E-07	5.55E-07	5.03E-07	2.30E-07	2.17E-07	0.00E+00	0.00E+00	9.97E-08	1.88E-08	1.20E-07	1.84E-08	1.68E-08	2.73E-07	2.83E-07	1.04E-07	1.41E-07	5.27E-08	2.83E-07	1.04E-07
1836	494811.1	3859152	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	0.00E+00	0.00E+00	9.82E-08	1.86E-08	1.18E-07	1.82E-08	1.65E-08	2.69E-07	2.79E-07	1.02E-07	1.39E-07	5.20E-08	2.79E-07	1.02E-07
1837	494861.1	3859152	8.74E-04	8.95E-04	8.44E-04	3.02E-07	9.13E-07	5.29E-07	5.41E-07	4.91E-07	2.24E-07	2.11E-07	0.00E+00	0.00E+00	9.73E-08	1.84E-08	1.17E-07	1.80E-08	1.64E-08	2.67E-07	2.76E-07	1.01E-07	1.38E-07	5.14E-08	2.76E-07	1.01E-07
1838	494911.1	3859152	8.57E-04	8.78E-04	8.28E-04	2.97E-07	8.96E-07	5.19E-07	5.31E-07	4.82E-07	2.20E-07	2.07E-07	0.00E+00	0.00E+00	9.55E-08	1.80E-08	1.14E-07	1.77E-08	1.61E-08	2.62E-07	2.71E-07	9.93E-08	1.35E-07	5.05E-08	2.71E-07	9.93E-08
1839	494961.1	3859152	8.37E-04	8.57E-04	8.08E-04	2.90E-07	8.75E-07	5.06E-07	5.19E-07	4.70E-07	2.15E-07	2.02E-07	0.00E+00	0.00E+00	9.32E-08	1.76E-08	1.12E-07	1.72E-08	1.57E-08	2.55E-07	2.64E-07	9.69E-08	1.32E-07	4.93E-08	2.64E-07	9.69E-08
1840	495011.1	3859152	8.22E-04	8.42E-04	7.94E-04	2.85E-07	8.59E-07	4.97E-07	5.09E-07	4.62E-07	2.11E-07	1.99E-07	0.00E+00	0.00E+00	9.15E-08	1.73E-08	1.10E-07	1.69E-08	1.54E-08	2.51E-07	2.59E-07	9.52E-08	1.30E-07	4.84E-08	2.59E-07	9.52E-08
1841	495061.1	3859152	8.18E-04	8.37E-04	7.90E-04	2.83E-07	8.55E-07	4.95E-07	5.07E-07	4.59E-07	2.10E-07	1.98E-07	0.00E+00	0.00E+00	9.10E-08	1.72E-08	1.09E-07	1.68E-08	1.53E-08	2.49E-07	2.58E-07	9.46E-08	1.29E-07	4.81E-08	2.58E-07	9.46E-08
1842	495111.1	3859152	8.12E-04	8.31E-04	7.84E-04	2.81E-07	8.48E-07	4.91E-07	5.03E-07	4.56E-07	2.08E-07	1.96E-07	0.00E+00	0.00E+00	9.04E-08	1.71E-08	1.08E-07	1.67E-08	1.52E-08	2.48E-07	2.56E-07	9.40E-08	1.28E-07	4.78E-08	2.56E-07	9.40E-08
1843	495161.1	3859152	8.12E-04	8.31E-04	7.84E-04	2.81E-07	8.48E-07	4.91E-07	5.03E-07	4.56E-07	2.08E-07	1.96E-07	0.00E+00	0.00E+00	9.04E-08	1.71E-08	1.08E-07	1.67E-08	1.52E-08	2.48E-07	2.56E-07	9.40E-08	1.28E-07	4.78E-08	2.56E-07	9.40E-08

1844	495211.1	3859152	8.06E-04	8.25E-04	7.79E-04	2.79E-07	8.42E-07	4.88E-07	4.99E-07	4.53E-07	2.07E-07	1.95E-07	0.00E+00	0.00E+00	8.97E-08	1.70E-08	1.08E-07	1.66E-08	1.51E-08	2.46E-07	2.54E-07	9.33E-08	1.27E-07	4.74E-08	2.54E-07	9.33E-08
1845	495261.1	3859152	8.01E-04	8.21E-04	7.74E-04	2.77E-07	8.38E-07	4.85E-07	4.97E-07	4.50E-07	2.05E-07	1.94E-07	0.00E+00	0.00E+00	8.92E-08	1.69E-08	1.07E-07	1.65E-08	1.50E-08	2.45E-07	2.53E-07	9.28E-08	1.26E-07	4.72E-08	2.53E-07	9.28E-08
1846	495311.1	3859152	7.97E-04	8.16E-04	7.70E-04	2.76E-07	8.33E-07	4.82E-07	4.94E-07	4.48E-07	2.04E-07	1.93E-07	0.00E+00	0.00E+00	8.87E-08	1.68E-08	1.06E-07	1.64E-08	1.49E-08	2.43E-07	2.52E-07	9.23E-08	1.26E-07	4.69E-08	2.52E-07	9.23E-08
1847	495361.1	3859152	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	0.00E+00	0.00E+00	8.82E-08	1.67E-08	1.06E-07	1.63E-08	1.48E-08	2.42E-07	2.50E-07	9.17E-08	1.25E-07	4.67E-08	2.50E-07	9.17E-08
1848	495411.1	3859152	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	0.00E+00	0.00E+00	8.82E-08	1.67E-08	1.06E-07	1.63E-08	1.48E-08	2.42E-07	2.50E-07	9.17E-08	1.25E-07	4.67E-08	2.50E-07	9.17E-08
1849	495461.1	3859152	7.88E-04	8.07E-04	7.61E-04	2.73E-07	8.24E-07	4.77E-07	4.88E-07	4.43E-07	2.02E-07	1.91E-07	0.00E+00	0.00E+00	8.77E-08	1.66E-08	1.05E-07	1.62E-08	1.48E-08	2.40E-07	2.49E-07	9.12E-08	1.24E-07	4.64E-08	2.49E-07	9.12E-08
1850	495511.1	3859152	7.81E-04	8.00E-04	7.54E-04	2.70E-07	8.16E-07	4.72E-07	4.84E-07	4.39E-07	2.00E-07	1.89E-07	0.00E+00	0.00E+00	8.69E-08	1.64E-08	1.04E-07	1.61E-08	1.46E-08	2.38E-07	2.46E-07	9.04E-08	1.23E-07	4.60E-08	2.46E-07	9.04E-08
1851	495561.1	3859152	7.75E-04	7.94E-04	7.49E-04	2.68E-07	8.10E-07	4.69E-07	4.80E-07	4.35E-07	1.99E-07	1.87E-07	0.00E+00	0.00E+00	8.63E-08	1.63E-08	1.03E-07	1.59E-08	1.45E-08	2.36E-07	2.45E-07	8.97E-08	1.22E-07	4.56E-08	2.45E-07	8.97E-08
1852	495611.1	3859152	7.69E-04	7.88E-04	7.43E-04	2.66E-07	8.04E-07	4.65E-07	4.77E-07	4.32E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.56E-08	1.62E-08	1.03E-07	1.58E-08	1.44E-08	2.35E-07	2.43E-07	8.90E-08	1.21E-07	4.53E-08	2.43E-07	8.90E-08
1853	495661.1	3859152	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	0.00E+00	0.00E+00	8.51E-08	1.61E-08	1.02E-07	1.57E-08	1.43E-08	2.33E-07	2.41E-07	8.85E-08	1.20E-07	4.50E-08	2.41E-07	8.85E-08
1854	494311.1	3859202	1.03E-03	1.06E-03	9.95E-04	3.57E-07	1.08E-06	6.23E-07	6.38E-07	5.79E-07	2.64E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.12E-08	1.93E-08	3.14E-07	3.25E-07	1.19E-07	1.62E-07	6.06E-08	3.25E-07	1.19E-07
1855	494361.1	3859202	1.02E-03	1.05E-03	9.87E-04	3.54E-07	1.07E-06	6.18E-07	6.33E-07	5.74E-07	2.62E-07	2.47E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.36E-07	2.10E-08	1.91E-08	3.12E-07	3.22E-07	1.18E-07	1.61E-07	6.01E-08	3.22E-07	1.18E-07
1856	494411.1	3859202	1.01E-03	1.03E-03	9.75E-04	3.49E-07	1.06E-06	6.11E-07	6.26E-07	5.67E-07	2.59E-07	2.44E-07	0.00E+00	0.00E+00	1.12E-07	2.12E-08	1.35E-07	2.08E-08	1.89E-08	3.08E-07	3.19E-07	1.17E-07	1.59E-07	5.94E-08	3.19E-07	1.17E-07
1857	494461.1	3859202	9.93E-04	1.02E-03	9.60E-04	3.44E-07	1.04E-06	6.01E-07	6.16E-07	5.58E-07	2.55E-07	2.40E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.33E-07	2.04E-08	1.86E-08	3.03E-07	3.13E-07	1.15E-07	1.56E-07	5.85E-08	3.13E-07	1.15E-07
1858	494511.1	3859202	9.81E-04	1.01E-03	9.48E-04	3.40E-07	1.03E-06	5.94E-07	6.08E-07	5.51E-07	2.52E-07	2.37E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.02E-08	1.84E-08	2.99E-07	3.10E-07	1.14E-07	1.55E-07	5.78E-08	3.10E-07	1.14E-07
1859	494561.1	3859202	9.67E-04	9.90E-04	9.34E-04	3.35E-07	1.01E-06	5.85E-07	5.99E-07	5.43E-07	2.48E-07	2.34E-07	0.00E+00	0.00E+00	1.08E-07	2.03E-08	1.29E-07	1.99E-08	1.81E-08	2.95E-07	3.05E-07	1.12E-07	1.52E-07	5.69E-08	3.05E-07	1.12E-07
1860	494611.1	3859202	9.53E-04	9.77E-04	9.21E-04	3.30E-07	9.97E-07	5.77E-07	5.91E-07	5.36E-07	2.44E-07	2.31E-07	0.00E+00	0.00E+00	1.06E-07	2.01E-08	1.27E-07	1.96E-08	1.79E-08	2.91E-07	3.01E-07	1.10E-07	1.50E-07	5.61E-08	3.01E-07	1.10E-07
1861	494661.1	3859202	9.43E-04	9.66E-04	9.11E-04	3.26E-07	9.86E-07	5.71E-07	5.84E-07	5.30E-07	2.42E-07	2.28E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.77E-08	2.88E-07	2.98E-07	1.09E-07	1.49E-07	5.55E-08	2.98E-07	1.09E-07
1862	494711.1	3859202	9.31E-04	9.54E-04	9.00E-04	3.22E-07	9.73E-07	5.63E-07	5.77E-07	5.23E-07	2.39E-07	2.25E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.74E-08	2.84E-07	2.94E-07	1.08E-07	1.47E-07	5.48E-08	2.94E-07	1.08E-07
1863	494761.1	3859202	9.17E-04	9.39E-04	8.85E-04	3.17E-07	9.58E-07	5.55E-07	5.68E-07	5.15E-07	2.35E-07	2.22E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.22E-07	1.89E-08	1.72E-08	2.80E-07	2.89E-07	1.06E-07	1.44E-07	5.40E-08	2.89E-07	1.06E-07
1864	494811.1	3859202	9.03E-04	9.25E-04	8.73E-04	3.13E-07	9.44E-07	5.47E-07	5.60E-07	5.07E-07	2.32E-07	2.18E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.69E-08	2.76E-07	2.85E-07	1.05E-07	1.42E-07	5.32E-08	2.85E-07	1.05E-07
1865	494861.1	3859202	8.87E-04	9.08E-04	8.57E-04	3.07E-07	9.27E-07	5.37E-07	5.50E-07	4.98E-07	2.27E-07	2.14E-07	0.00E+00	0.00E+00	9.87E-08	1.87E-08	1.18E-07	1.83E-08	1.66E-08	2.71E-07	2.80E-07	1.03E-07	1.40E-07	5.22E-08	2.80E-07	1.03E-07
1866	494911.1	3859202	8.72E-04	8.93E-04	8.43E-04	3.02E-07	9.12E-07	5.28E-07	5.41E-07	4.90E-07	2.24E-07	2.11E-07	0.00E+00	0.00E+00	9.71E-08	1.83E-08	1.16E-07	1.80E-08	1.63E-08	2.66E-07	2.75E-07	1.01E-07	1.37E-07	5.13E-08	2.75E-07	1.01E-07
1867	494961.1	3859202	8.56E-04	8.77E-04	8.27E-04	2.96E-07	8.95E-07	5.18E-07	5.30E-07	4.81E-07	2.19E-07	2.07E-07	0.00E+00	0.00E+00	9.53E-08	1.80E-08	1.14E-07	1.76E-08	1.60E-08	2.61E-07	2.70E-07	9.91E-08	1.35E-07	5.04E-08	2.70E-07	9.91E-08
1868	495011.1	3859202	8.34E-04	8.54E-04	8.06E-04	2.89E-07	8.72E-07	5.05E-07	5.17E-07	4.68E-07	2.14E-07	2.02E-07	0.00E+00	0.00E+00	9.28E-08	1.75E-08	1.11E-07	1.72E-08	1.56E-08	2.54E-07	2.63E-07	9.65E-08	1.31E-07	4.91E-08	2.63E-07	9.65E-08
1869	495061.1	3859202	8.38E-04	8.59E-04	8.10E-04	2.90E-07	8.76E-07	5.07E-07	5.20E-07	4.71E-07	2.15E-07	2.03E-07	0.00E+00	0.00E+00	9.33E-08	1.76E-08	1.12E-07	1.73E-08	1.57E-08	2.56E-07	2.65E-07	9.70E-08	1.32E-07	4.93E-08	2.65E-07	9.70E-08
1870	495111.1	3859202	8.34E-04	8.54E-04	8.06E-04	2.89E-07	8.72E-07	5.05E-07	5.17E-07	4.68E-07	2.14E-07	2.02E-07	0.00E+00	0.00E+00	9.28E-08	1.75E-08	1.11E-07	1.72E-08	1.56E-08	2.54E-07	2.63E-07	9.65E-08	1.31E-07	4.91E-08	2.63E-07	9.65E-08
1871	495161.1	3859202	8.29E-04	8.50E-04	8.01E-04	2.87E-07	8.67E-07	5.02E-07	5.14E-07	4.66E-07	2.13E-07	2.01E-07	0.00E+00	0.00E+00	9.23E-08	1.74E-08	1.11E-07	1.71E-08	1.55E-08	2.53E-07	2.62E-07	9.60E-08	1.31E-07	4.88E-08	2.62E-07	9.60E-08
1872	495211.1	3859202	8.24E-04	8.43E-04	7.96E-04	2.85E-07	8.61E-07	4.98E-07	5.10E-07	4.63E-07	2.11E-07	1.99E-07	0.00E+00	0.00E+00	9.17E-08	1.73E-08	1.10E-07	1.70E-08	1.54E-08	2.51E-07	2.60E-07	9.53E-08	1.30E-07	4.85E-08	2.60E-07	9.53E-08
1873	495261.1	3859202	8.21E-04	8.40E-04	7.93E-04	2.84E-07	8.58E-07	4.97E-07	5.09E-07	4.61E-07	2.10E-07	1.98E-07	0.00E+00	0.00E+00	9.13E-08	1.73E-08	1.10E-07	1.69E-08	1.54E-08	2.50E-07	2.59E-07	9.50E-08	1.29E-07	4.83E-08	2.59E-07	9.50E-08
1874	495311.1	3859202	8.16E-04	8.36E-04	7.88E-04	2.83E-07	8.53E-07	4.94E-07	5.06E-07	4.59E-07	2.09E-07	1.97E-07	0.00E+00	0.00E+00	9.09E-08	1.72E-08	1.09E-07	1.68E-08	1.53E-08	2.49E-07	2.58E-07	9.45E-08	1.29E-07	4.80E-08	2.58E-07	9.45E-08
1875	495361.1	3859202	8.12E-04	8.31E-04	7.84E-04	2.81E-07	8.48E-07	4.91E-07	5.03E-07	4.56E-07	2.08E-07	1.96E-07	0.00E+00	0.00E+00	9.04E-08	1.71E-08	1.08E-07	1.67E-08	1.52E-08	2.48E-07	2.56E-07	9.40E-08	1.28E-07	4.78E-08	2.56E-07	9.40E-08
1876	495411.1	3859202	8.10E-04	8.30E-04	7.83E-04	2.80E-07	8.47E-07	4.90E-07	5.02E-07	4.55E-07	2.08E-07	1.96E-07	0.00E+00	0.00E+00	9.02E-08	1.70E-08	1.08E-07	1.67E-08	1.52E-08	2.47E-07	2.56E-07	9.38E-08	1.28E-07	4.77E-08	2.56E-07	9.38E-08
1877	495461.1	3859202	8.06E-04	8.25E-04	7.79E-04	2.79E-07	8.42E-07	4.88E-07	4.99E-07	4.53E-07	2.07E-07	1.95E-07	0.00E+00	0.00E+00	8.97E-08	1.70E-08	1.08E-07	1.66E-08	1.51E-08	2.46E-07	2.54E-07	9.33E-08	1.27E-07	4.74E-08	2.54E-07	9.33E-08
1878	495511.1	3859202	8.00E-04	8.19E-04	7.73E-04	2.77E-07	8.36E-07	4.84E-07	4.96E-07	4.49E-07	2.05E-07	1.93E-07	0.00E+00	0.00E+00	8.90E-08	1.68E-08	1.07E-07	1.65E-08	1.50E-08	2.44E-07	2.52E-07	9.26E-08	1.26E-07	4.71E-08	2.52E-07	9.26E-08
1879	495561.1	3859202	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	0.00E+00	0.00E+00	8.82E-08	1.67E-08	1.06E-07	1.63E-08	1.48E-08	2.42E-07	2.50E-07	9.17E-08	1.25E-07	4.67E-08	2.50E-07	9.17E-08
1880	495611.1	3859202	7.85E-04	8.04E-04	7.59E-04	2.72E-07	8.21E-07	4.75E-07	4.87E-07	4.41E-07	2.01E-07	1.90E-07	0.00E+00	0.00E+00	8.74E-08	1.65E-08	1.05E-07	1.62E-08	1.47E-08	2.40E-07	2.48E-07	9.09E-08	1.24E-07	4.62E-08	2.48E-07	9.09E-08
1881	495661.1	3859202	7.81E-04	8.00E-04	7.54E-04	2.70E-07	8.16E-07	4.72E-07	4.84E-07	4.39E-07	2.00E-07	1.89E-07	0.00E+00	0.00E+00	8.69E-08	1.64E-08	1.04E-07	1.61E-08	1.46E-08	2.38E-07	2.46E-07	9.04E-08	1.23E-07	4.60E-08	2.46E-07	9.04E-08
1882	494311.1	3859252	1.06E-03	1.09E-03	1.02E-03	3.67E-07	1.11E-06	6.41E-07	6.57E-07	5.95E-07	2.72E-07	2.56E-07	0.00E+00	0.00E+00	1.18E-07	2.23E-08	1.41E-07	2.18E-08	1.98E-08	3.23E-07	3.34E-07	1.23E-07	1.67E-07	6.24E-08	3.34E-07	1.23E-07
1883	494361.1	3859252	1.05E-03	1.07E-03	1.01E-03	3.63E-07	1.10E-06	6.34E-07	6.49E-07	5.89E-07	2.69E-07	2.53E-07	0.00E+00	0.00E+00	1.17E-07	2.20E-08	1.40E-07	2.16E-08	1.96E-08	3.20E-07	3.31E-07	1.21E-07	1.65E-07	6.17E-08	3.31E-07	1.21E-07
1884	494411.1	3859252	1.03E-03	1.06E-03	9.95E-04	3.57E-07	1.08E-06	6.23E-07	6.38E-07	5.79E-07	2.64E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.12E-08	1.93E-08	3.14E-07	3.25E-07	1.19E-07	1.62E-07	6.06E-08	3.25E-07	1.19E-07
1885	494461.1	3859252	1.02E-03	1.04E-03	9.85E-04	3.53E-07	1.07E-06	6.17E-07	6.32E-07	5.73E-07	2.61E-07	2.47E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.36E-07	2.10E-08	1.91E-08	3.11E-07	3.22E-07	1.18E-07	1.61E-07	6.00E-08	3.22E-07	1.18E-07
1886	494511.1	3859252	1.00E-03	1.02E-03	9.67E-04	3.46E-07	1.05E-06	6.05E-07	6.20E-07	5.62E-07	2.57E-07	2.42E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.34E-07	2.06E-08	1.87E-08	3.05E-07	3.16E-07	1.16E-07	1.58E-07	5.89E-08	3.16E-07	1.16E-07
1887	494561.1	3859252	9.89E-04	1.01E-03	9.55E-04	3.42E-07	1.03E-06	5.98E-07	6.13E-07	5.56E-07	2.53E-07	2.39E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.04E-08	1.85E-08	3.02E-07	3.12E-07	1.14E-07	1.56E-07	5.82E-08	3.12E-07	1.14E-07
1888	494611.1	3859252	9.74E-04	9.98E-04	9.41E-04	3.37E-07	1.02E-06	5.89E-07	6.04E-07	5.47E-07	2.50E-07	2.36E-07	0.00E+00	0.00E+00	1.08E-07	2.05E-08	1.30E-07	2.01E-08	1.82E-08	2.97E-07	3.07E-07	1.13E-07	1.53E-07	5.73E-08	3.07E-07	1.13E-07
1889	494661.1	3859252	9.65E-04	9.89E-04	9.33E-04	3.34E-07	1.01E-06	5.84E-07	5.98E-07	5.42E-07	2.47E-07	2.33E-07	0.00E+00	0.00E+00	1.07E-07	2.03E-08	1.29E-07	1.99E-08	1.81E-08	2.95E-07	3.05E-07	1.12E-07	1.52E-07	5.68E-08	3.05E-07	1.12E-07
1890	494711.1	3859252	9.53E-04	9.77E-04	9.21E-04	3.30E-07	9.97E-07	5.77E-07	5.91E-07	5.36E-07	2.44E-07	2.31E-07	0.00E+00	0.00E+00	1.06E-07	2.01E-08	1.27E-07	1.96E-08	1.79E-08	2.91E-07	3.01E-07	1.10E-07	1.50E-07	5.61E-08	3.01E-07	1.10E-07
1891	494761.1	3859252	9.30E-04	9.52E-04	8.98E-04	3.22E-07	9.72E-07	5.63E-07	5.76E-07	5.22E-07	2.38E-07	2.25E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.91E-08	1.74E-08	2.84E-07	2.93E-07	1.08E-07	1.46E-07	5.47E-08	2.93E-07	1.08E-07
1892	494811.1	3859252	9.25E-04	9.48E-04	8.94E-04	3.20E-07	9.67E-07	5.60E-07	5.73E-07	5.20E-07	2.37E-07	2.24E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.24E-07	1.90E-08	1.73E-08	2.82E-07	2.92E-07	1.07E-07	1.46E-07	5.45E-08	2.92E-07	1.07E-07
1893	494861.1	3859252	9.02E-04	9.24E-04	8.71E-04	3.12E-07	9.43E-07	5.46E-07	5.59E-07	5.07E-07	2.31E-07	2.18E-07	0.00E+00	0.00E+00	1.00E-07	1.90E-08	1.20E-07	1.86E-08	1.69E-08	2.75E-07	2.85E-07	1.04E-07	1.42E-07	5.31E-08	2.85E-07	1.04E-07
1894	494911.1	3859252	8.88E-04	9.10E-04	8.58E-04	3.08E-07	9.29E-07	5.38E-07	5.51E-07	4.99E-07	2.28E-07	2.15E-07	0.00E+00	0.00E+00	9.89E-08	1.87E-08	1.19E-07	1.83E-08	1.66E-08	2.71E-07	2.80E-07	1.03E-07	1.40E-07	5.23E-08	2.80E-07	1.03E-07
1895	494961.1	3859252	8.77E-04	8.98E-04	8.47E-04	3.03E-07	9.16E-07	5.30E-07	5.43E-07	4.92E-07	2.25E-07	2.12E-07	0.00E+00	0.00E+00	9.76E-08	1.84E-08	1.17E-07	1.80E-08	1.64E-08	2.68E-07	2.77E-07	1.01E-07	1.38E-07	5.16E-08	2.77E-07	1.01E-07
1896	495011.1	3859252	8.65E-04	8.86E-04	8.36E-04	2.99E-07	9.04E-07	5.23E-07	5.36E-07	4.86E-07	2.22E-07	2.09E-07	0.00E+00	0.00E+00	9.63E-08	1.82E-08	1.15E-07	1.78E-08	1.62E-08	2.64E-07	2.73E-07	1.00E-07	1.36E-07	5.09E-08	2.73E-07	1.00E-07
1897	495061.1	3859252	8.62E-04	8.83E-04	8.33E-04	2.98E-07	9.01E-07	5.22E-07	5.34E-07	4.84E-07	2.21E-07	2.08E-07	0.00E+00	0.00E+00	9.59E-08	1.81E-08	1.15E-07	1.77E-08	1.61E-08	2.63E-07	2.72E-07	9.98E-08	1.36E-07	5.07E-08	2.72E-07	9.98E-08
1898	495111.1	3859252	8.56E-04	8.77E-04	8.27E-04	2.96E-07	8.95E-07	5.18E-07	5.30E-07	4.81E-07	2.19E-07	2.07E-07	0.00E+00	0.00E+00	9.53E-08	1.80E-08	1.14E-07	1.76E-08	1.60E-08	2.61E-07	2.70E-07	9.91E-08	1.35E-07	5.04E-08	2.70E-07	9.91E-08
1899	495161.1	3859252	8.52E-04	8.72E-04	8.23E-04	2.95E-07	8.90E-07	5.15E-07	5.28E-07	4.78E-07	2.18E-07	2.06E-07	0.00E+00	0.00E+00	9.48E-08	1.79E-08	1.14E-07	1.75E-08	1.59E-08	2.60E-07	2.69E-07	9.86E-08	1.34E-07	5.01E-08	2.69E-07	9.86E-08
1900	495211.1	3859252	8.44E-04	8.65E-04	8.16E-04	2.92E-07	8.82E-07	5.11E-07	5.23E-07	4.74E-07	2.16E-07	2.04E-07	0.00E+00	0.00E+00	9.40E-08	1.78E-08	1.13E-07	1.74E-08	1.58E-08	2.58E-07	2.66E-07	9.77E-08	1.33E-07	4.97E-08	2.66E-07	9.77E-08
1901	495261.1	3859252	8.37E-04	8.57E-04	8.08E-04	2.90E-07	8.75E-07	5.06E-07	5.19E-07	4.70E-07	2.15E-07	2.02E-07	0.00E+00	0.00E+00	9.32E-08	1.76E-08	1.12E-07	1.72E-08	1.57E-08	2.55E-07	2.64E-07	9.69E-08	1.32E-07	4.93E-08	2.64E-07	9.69E-08
1902	495311.1	3859252	8.37E-04	8.57E-04	8.08E-04	2.90E-07	8.75E-07	5.06E-07	5.19E-07	4.70E-07	2.15E-07	2.02E-07	0.00E+00	0.00E+00	9.32E-08	1.76E-08	1.12E-07	1.72E-08	1.57E-08	2.55E-07	2.64E-07	9.69E-08	1.32E-07	4.93E-08	2.64E-07	9.69E-08
1903	495361.1	3859252	8.31E-04	8.51E-04	8.03E-04	2.88E-07	8.68E-07	5.03E-07	5.15E-07	4.67E-07	2.13E-07	2.01E-07	0.00E+00	0.00E+00	9.25E-08	1.75E-08	1.11E-07	1.71E-08	1.56E-08	2.54E-07	2.62E-07	9.62E-08	1.31E-07	4.89E-08	2.62E-07	9.62E-08
1904	495411.1	3859252	8.29E-04	8.50E-04	8.01E-04	2.87E-07	8.67E-07	5.02E-07	5.14E-07	4.66E-07	2.13E-07	2.01E-07	0.00E+00	0.00E+00	9.23E-08	1.74E-08	1.11E-07	1.71E-08	1.55E-08	2.53E-07	2.62E-07	9.60E-08	1.31E-07	4.88E-08	2.62E-07	9.60E-08
1905	495461.1	3859252	8.25E-04	8.45E-04	7.97E-04	2.86E-07	8.62E-07	4.99E-07	5.11E-07	4.63E-07	2.11E-07	1.99E-07	0.00E+00	0.00E+00	9.18E-08	1.74E-08	1.10E-07	1.70E-08	1.54E-08	2.52E-07	2.60E-07	9.55E-08	1.30E-07	4.86E-08	2.60E-07	9.55E-08
1906	495511.1	3859252	8.16E-04	8.36E-04	7.88E-04	2.83E-07	8.53E-07	4.94E-07	5.06E-07	4.59E-07	2.09E-07	1.97E-07	0.00E+00	0.00E+00	9.09E-08	1.72E-08	1.09E-07	1.68E-08	1.53E-08	2.49E-07	2.58E-07	9.45E-08	1.29E-07	4.80E-08	2.58E-07	9.45E-08
1907	495561.1	3859252	8.10E-04	8.30E-04	7.83E-04	2.80E-07	8.47E-07	4.90E-07	5.02E-07	4.55E-07	2.08E-07	1.96E-07	0.00E+00	0.00E+00	9.02E-08	1.70E-08	1.08E-07	1.67E-08	1.52E-08	2.47E-07	2.56E-07	9.38E-08	1.28E-07	4.77E-08	2.56E-07	9.38E-08
1908	495611.1	3859252	8.01E-04	8.21E-04	7.74E-04	2.77E-07	8.38E-07	4.85E-07	4.97E-07	4.50E-07	2.05E-07	1.94E-07	0.00E+00	0.00E+00	8.92E-08	1.69E-08	1.07E-07	1.65E-08	1.50E-08	2.45E-07	2.53E-07	9.28E-08	1.26E-07	4.72E-08	2.53E-07	9.28E-08
1909	495661.1	3859252	7.97E-04	8.16E-04	7.70E-04	2.76E-07	8.33E-07	4.82E-07	4.94E-07	4.48E-07	2.04E-07	1.93E-07	0.00E+00	0.00E+00	8.87E-08	1.68E-08	1.06E-07	1.64E-08	1.49E-08	2.43E-07	2.52E-07	9.23E-08	1.26E-07	4.69E-08	2.52E-07	9.23E-08
1910	494311.1	3859302	1.09E-03	1.12E-03	1.05E-03	3.77E-07	1.14E-06	6.59E-07	6.75E-07	6.12E-07	2.79E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.29E-08	1.45E-07	2.24E-08	2.04E-08	3.32E-07	3.44E-07	1.26E-07	1.72E-07	6.41E-08	3.44E-07	1.26E-07
1911	494361.1	3859302	1.07E-03	1.10E-03	1.04E-03	3.72E-07	1.12E-06	6.50E-07	6.66E-07	6.04E-07	2.75E-07	2.60E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.43E-07	2.21E-08	2.01E-08	3.28E-07	3.39E-07	1.24E-07	1.69E-07	6.33E-08	3.39E-07	1.24E-07
1912	494411.1	3859302	1.06E-03	1.08E-03	1.02E-03	3.66E-07	1.11E-06	6.40E-07	6.56E-07	5.94E-07	2.71E-07	2.56E-07	0.00E+00	0.00E+00	1.18E-07	2.23E-08	1.41E-07	2.18E-08	1.98E-08	3.23E-07	3.34E-07	1.22E-07	1.67E-07	6.23E-08	3.34E-07	1.22E-07
1913	494461.1	3859302	1.04E-03	1.07E-03	1.01E-03	3.60E-07	1.09E-06	6.30E-07	6.45E-07	5.85E-07	2.67E-07	2.52E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	1.95E-08	3.17E-07	3.28E-07	1.20E-07	1.64E-07	6.13E-08	3.28E-07	1.20E-07
1914	494511.1	3859302	1.03E-03	1.05E-03	9.91E-04	3.55E-07	1.07E-06	6.21E-07	6.36E-07	5.76E-07	2.63E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.16E-08	1.37E-07	2.11E-08	1.92E-08	3.13E-07	3.24E-07	1.19E-07	1.62E-07	6.04E-08	3.24E-07	1.19E-07
1915	494561.1	3859302	1.01E-03	1.04E-03	9.80E-04	3.51E-07	1.06E-06	6.13E-07	6.28E-07	5.70E-07	2.60E-07	2.45E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.09E-08	1.90E-08	3.09E-07	3.20E-07	1.17E-07	1.60E-07	5.97E-08	3.20E-07	1.17E-07
1916	494611.1	3859302	1.00E-03	1.02E-03	9.67E-04	3.46E-07	1.05E-06	6.05E-07	6.20E-07	5.62E-07	2.57E-07	2.42E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.34E-07	2.06E-08	1.87E-08	3.05E-07	3.16E-07	1.16E-07	1.58E-07	5.89E-08	3.16E-07	1.16E-07
1917	494661.1	3859302	9.87E-04	1.01E-03	9.54E-04	3.42E-07	1.03E-06	5.97E-07	6.12E-07	5.55E-07	2.53E-07	2.39E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.03E-08	1.85E-08	3.01E-07	3.12E-07	1.14E-07	1.56E-07	5.81E-08	3.12E-07	1.14E-07

1918	494711.1	3859302	9.73E-04	9.96E-04	9.40E-04	3.37E-07	1.02E-06	5.88E-07	6.03E-07	5.46E-07	2.49E-07	2.35E-07	0.00E+00	0.00E+00	1.08E-07	2.05E-08	1.30E-07	2.00E-08	1.82E-08	2.97E-07	3.07E-07	1.13E-07	1.53E-07	5.73E-08	3.07E-07	1.13E-07
1919	494761.1	3859302	9.59E-04	9.83E-04	9.27E-04	3.32E-07	1.00E-06	5.80E-07	5.95E-07	5.39E-07	2.46E-07	2.32E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.97E-08	1.80E-08	2.93E-07	3.03E-07	1.11E-07	1.51E-07	5.65E-08	3.03E-07	1.11E-07
1920	494811.1	3859302	9.43E-04	9.66E-04	9.11E-04	3.26E-07	9.86E-07	5.71E-07	5.84E-07	5.30E-07	2.42E-07	2.28E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.77E-08	2.88E-07	2.98E-07	1.09E-07	1.49E-07	5.55E-08	2.98E-07	1.09E-07
1921	494861.1	3859302	9.22E-04	9.45E-04	8.91E-04	3.19E-07	9.64E-07	5.58E-07	5.72E-07	5.18E-07	2.36E-07	2.23E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.73E-08	2.81E-07	2.91E-07	1.07E-07	1.45E-07	5.43E-08	2.91E-07	1.07E-07
1922	494911.1	3859302	9.11E-04	9.33E-04	8.80E-04	3.15E-07	9.52E-07	5.51E-07	5.64E-07	5.12E-07	2.33E-07	2.20E-07	0.00E+00	0.00E+00	1.01E-07	1.92E-08	1.22E-07	1.87E-08	1.70E-08	2.78E-07	2.87E-07	1.05E-07	1.43E-07	5.36E-08	2.87E-07	1.05E-07
1923	494961.1	3859302	8.90E-04	9.12E-04	8.60E-04	3.08E-07	9.30E-07	5.38E-07	5.52E-07	5.00E-07	2.28E-07	2.15E-07	0.00E+00	0.00E+00	9.91E-08	1.87E-08	1.19E-07	1.83E-08	1.67E-08	2.72E-07	2.81E-07	1.03E-07	1.40E-07	5.24E-08	2.81E-07	1.03E-07
1924	495011.1	3859302	8.80E-04	9.01E-04	8.50E-04	3.04E-07	9.19E-07	5.32E-07	5.45E-07	4.94E-07	2.25E-07	2.13E-07	0.00E+00	0.00E+00	9.79E-08	1.85E-08	1.17E-07	1.81E-08	1.65E-08	2.68E-07	2.78E-07	1.02E-07	1.39E-07	5.18E-08	2.78E-07	1.02E-07
1925	495061.1	3859302	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	0.00E+00	0.00E+00	9.82E-08	1.86E-08	1.18E-07	1.82E-08	1.65E-08	2.69E-07	2.79E-07	1.02E-07	1.39E-07	5.20E-08	2.79E-07	1.02E-07
1926	495111.1	3859302	8.72E-04	8.93E-04	8.43E-04	3.02E-07	9.12E-07	5.28E-07	5.41E-07	4.90E-07	2.24E-07	2.11E-07	0.00E+00	0.00E+00	9.71E-08	1.83E-08	1.16E-07	1.80E-08	1.63E-08	2.66E-07	2.75E-07	1.01E-07	1.37E-07	5.13E-08	2.75E-07	1.01E-07
1927	495161.1	3859302	8.68E-04	8.89E-04	8.38E-04	3.00E-07	9.07E-07	5.25E-07	5.38E-07	4.88E-07	2.22E-07	2.10E-07	0.00E+00	0.00E+00	9.66E-08	1.83E-08	1.16E-07	1.79E-08	1.62E-08	2.65E-07	2.74E-07	1.00E-07	1.37E-07	5.11E-08	2.74E-07	1.00E-07
1928	495211.1	3859302	8.66E-04	8.87E-04	8.37E-04	3.00E-07	9.06E-07	5.24E-07	5.37E-07	4.87E-07	2.22E-07	2.09E-07	0.00E+00	0.00E+00	9.64E-08	1.82E-08	1.16E-07	1.78E-08	1.62E-08	2.64E-07	2.73E-07	1.00E-07	1.36E-07	5.10E-08	2.73E-07	1.00E-07
1929	495261.1	3859302	8.63E-04	8.84E-04	8.34E-04	2.99E-07	9.02E-07	5.22E-07	5.35E-07	4.85E-07	2.21E-07	2.09E-07	0.00E+00	0.00E+00	9.61E-08	1.82E-08	1.15E-07	1.78E-08	1.62E-08	2.63E-07	2.72E-07	9.99E-08	1.36E-07	5.08E-08	2.72E-07	9.99E-08
1930	495311.1	3859302	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	0.00E+00	0.00E+00	9.51E-08	1.80E-08	1.14E-07	1.76E-08	1.60E-08	2.61E-07	2.70E-07	9.89E-08	1.35E-07	5.03E-08	2.70E-07	9.89E-08
1931	495361.1	3859302	8.52E-04	8.72E-04	8.23E-04	2.95E-07	8.90E-07	5.15E-07	5.28E-07	4.78E-07	2.18E-07	2.06E-07	0.00E+00	0.00E+00	9.48E-08	1.79E-08	1.14E-07	1.75E-08	1.59E-08	2.60E-07	2.69E-07	9.86E-08	1.34E-07	5.01E-08	2.69E-07	9.86E-08
1932	495411.1	3859302	8.47E-04	8.68E-04	8.18E-04	2.93E-07	8.85E-07	5.13E-07	5.25E-07	4.76E-07	2.17E-07	2.05E-07	0.00E+00	0.00E+00	9.43E-08	1.78E-08	1.13E-07	1.74E-08	1.59E-08	2.58E-07	2.67E-07	9.81E-08	1.33E-07	4.99E-08	2.67E-07	9.81E-08
1933	495461.1	3859302	8.43E-04	8.63E-04	8.14E-04	2.92E-07	8.81E-07	5.10E-07	5.22E-07	4.73E-07	2.16E-07	2.04E-07	0.00E+00	0.00E+00	9.38E-08	1.77E-08	1.12E-07	1.73E-08	1.58E-08	2.57E-07	2.66E-07	9.76E-08	1.33E-07	4.96E-08	2.66E-07	9.76E-08
1934	495511.1	3859302	8.35E-04	8.56E-04	8.07E-04	2.89E-07	8.73E-07	5.05E-07	5.18E-07	4.69E-07	2.14E-07	2.02E-07	0.00E+00	0.00E+00	9.30E-08	1.76E-08	1.12E-07	1.72E-08	1.56E-08	2.55E-07	2.64E-07	9.67E-08	1.32E-07	4.92E-08	2.64E-07	9.67E-08
1935	495561.1	3859302	8.25E-04	8.45E-04	7.97E-04	2.86E-07	8.62E-07	4.99E-07	5.11E-07	4.63E-07	2.11E-07	1.99E-07	0.00E+00	0.00E+00	9.18E-08	1.74E-08	1.10E-07	1.70E-08	1.54E-08	2.52E-07	2.60E-07	9.55E-08	1.30E-07	4.86E-08	2.60E-07	9.55E-08
1936	495611.1	3859302	8.19E-04	8.39E-04	7.91E-04	2.84E-07	8.56E-07	4.96E-07	5.08E-07	4.60E-07	2.10E-07	1.98E-07	0.00E+00	0.00E+00	9.12E-08	1.72E-08	1.09E-07	1.69E-08	1.53E-08	2.50E-07	2.59E-07	9.48E-08	1.29E-07	4.82E-08	2.59E-07	9.48E-08
1937	495661.1	3859302	8.12E-04	8.31E-04	7.84E-04	2.81E-07	8.48E-07	4.91E-07	5.03E-07	4.56E-07	2.08E-07	1.96E-07	0.00E+00	0.00E+00	9.04E-08	1.71E-08	1.08E-07	1.67E-08	1.52E-08	2.48E-07	2.56E-07	9.40E-08	1.28E-07	4.78E-08	2.56E-07	9.40E-08
1938	494311.1	3859352	1.12E-03	1.14E-03	1.08E-03	3.86E-07	1.17E-06	6.75E-07	6.91E-07	6.27E-07	2.86E-07	2.70E-07	0.00E+00	0.00E+00	1.24E-07	2.35E-08	1.49E-07	2.30E-08	2.09E-08	3.40E-07	3.52E-07	1.29E-07	1.76E-07	6.57E-08	3.52E-07	1.29E-07
1939	494361.1	3859352	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.66E-07	6.82E-07	6.19E-07	2.82E-07	2.66E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.06E-08	3.36E-07	3.47E-07	1.27E-07	1.73E-07	6.48E-08	3.47E-07	1.27E-07
1940	494411.1	3859352	1.08E-03	1.11E-03	1.05E-03	3.74E-07	1.13E-06	6.55E-07	6.70E-07	6.08E-07	2.77E-07	2.62E-07	0.00E+00	0.00E+00	1.20E-07	2.28E-08	1.44E-07	2.23E-08	2.03E-08	3.30E-07	3.41E-07	1.25E-07	1.70E-07	6.37E-08	3.41E-07	1.25E-07
1941	494461.1	3859352	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.11E-06	6.45E-07	6.60E-07	5.99E-07	2.73E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.24E-08	1.42E-07	2.19E-08	2.00E-08	3.25E-07	3.36E-07	1.23E-07	1.68E-07	6.27E-08	3.36E-07	1.23E-07
1942	494511.1	3859352	1.05E-03	1.07E-03	1.01E-03	3.63E-07	1.10E-06	6.35E-07	6.50E-07	5.90E-07	2.69E-07	2.54E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	1.96E-08	3.20E-07	3.31E-07	1.21E-07	1.65E-07	6.18E-08	3.31E-07	1.21E-07
1943	494561.1	3859352	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.28E-07	6.43E-07	5.83E-07	2.66E-07	2.51E-07	0.00E+00	0.00E+00	1.15E-07	2.18E-08	1.38E-07	2.14E-08	1.94E-08	3.17E-07	3.27E-07	1.20E-07	1.63E-07	6.11E-08	3.27E-07	1.20E-07
1944	494611.1	3859352	1.03E-03	1.05E-03	9.91E-04	3.55E-07	1.07E-06	6.21E-07	6.36E-07	5.76E-07	2.63E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.16E-08	1.37E-07	2.11E-08	1.92E-08	3.13E-07	3.24E-07	1.19E-07	1.62E-07	6.04E-08	3.24E-07	1.19E-07
1945	494661.1	3859352	1.01E-03	1.04E-03	9.77E-04	3.50E-07	1.06E-06	6.12E-07	6.27E-07	5.68E-07	2.59E-07	2.44E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.08E-08	1.89E-08	3.08E-07	3.19E-07	1.17E-07	1.59E-07	5.95E-08	3.19E-07	1.17E-07
1946	494711.1	3859352	9.95E-04	1.02E-03	9.61E-04	3.44E-07	1.04E-06	6.02E-07	6.16E-07	5.59E-07	2.55E-07	2.41E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.33E-07	2.05E-08	1.86E-08	3.04E-07	3.14E-07	1.15E-07	1.57E-07	5.86E-08	3.14E-07	1.15E-07
1947	494761.1	3859352	9.73E-04	9.96E-04	9.40E-04	3.37E-07	1.02E-06	5.88E-07	6.03E-07	5.46E-07	2.49E-07	2.35E-07	0.00E+00	0.00E+00	1.08E-07	2.05E-08	1.30E-07	2.00E-08	1.82E-08	2.97E-07	3.07E-07	1.13E-07	1.53E-07	5.73E-08	3.07E-07	1.13E-07
1948	494811.1	3859352	9.52E-04	9.75E-04	9.20E-04	3.30E-07	9.95E-07	5.76E-07	5.90E-07	5.35E-07	2.44E-07	2.30E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.78E-08	2.90E-07	3.00E-07	1.10E-07	1.50E-07	5.60E-08	3.00E-07	1.10E-07
1949	494861.1	3859352	9.42E-04	9.64E-04	9.10E-04	3.26E-07	9.84E-07	5.70E-07	5.84E-07	5.29E-07	2.41E-07	2.28E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.76E-08	2.87E-07	2.97E-07	1.09E-07	1.48E-07	5.54E-08	2.97E-07	1.09E-07
1950	494911.1	3859352	9.33E-04	9.55E-04	9.01E-04	3.23E-07	9.75E-07	5.64E-07	5.78E-07	5.24E-07	2.39E-07	2.26E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.25E-07	1.92E-08	1.75E-08	2.85E-07	2.94E-07	1.08E-07	1.47E-07	5.49E-08	2.94E-07	1.08E-07
1951	494961.1	3859352	9.21E-04	9.43E-04	8.90E-04	3.19E-07	9.63E-07	5.57E-07	5.71E-07	5.17E-07	2.36E-07	2.23E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.72E-08	2.81E-07	2.91E-07	1.07E-07	1.45E-07	5.42E-08	2.91E-07	1.07E-07
1952	495011.1	3859352	9.12E-04	9.34E-04	8.81E-04	3.16E-07	9.53E-07	5.52E-07	5.65E-07	5.12E-07	2.34E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.71E-08	2.78E-07	2.88E-07	1.06E-07	1.44E-07	5.37E-08	2.88E-07	1.06E-07
1953	495061.1	3859352	9.12E-04	9.34E-04	8.81E-04	3.16E-07	9.53E-07	5.52E-07	5.65E-07	5.12E-07	2.34E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.71E-08	2.78E-07	2.88E-07	1.06E-07	1.44E-07	5.37E-08	2.88E-07	1.06E-07
1954	495111.1	3859352	9.02E-04	9.24E-04	8.71E-04	3.12E-07	9.43E-07	5.46E-07	5.59E-07	5.07E-07	2.31E-07	2.18E-07	0.00E+00	0.00E+00	1.00E-07	1.90E-08	1.20E-07	1.86E-08	1.69E-08	2.75E-07	2.85E-07	1.04E-07	1.42E-07	5.31E-08	2.85E-07	1.04E-07
1955	495161.1	3859352	8.96E-04	9.18E-04	8.65E-04	3.10E-07	9.36E-07	5.42E-07	5.55E-07	5.03E-07	2.30E-07	2.17E-07	0.00E+00	0.00E+00	9.97E-08	1.88E-08	1.20E-07	1.84E-08	1.68E-08	2.73E-07	2.83E-07	1.04E-07	1.41E-07	5.27E-08	2.83E-07	1.04E-07
1956	495211.1	3859352	8.90E-04	9.12E-04	8.60E-04	3.08E-07	9.30E-07	5.38E-07	5.52E-07	5.00E-07	2.28E-07	2.15E-07	0.00E+00	0.00E+00	9.91E-08	1.87E-08	1.19E-07	1.83E-08	1.67E-08	2.72E-07	2.81E-07	1.03E-07	1.40E-07	5.24E-08	2.81E-07	1.03E-07
1957	495261.1	3859352	8.86E-04	9.07E-04	8.56E-04	3.07E-07	9.26E-07	5.36E-07	5.49E-07	4.97E-07	2.27E-07	2.14E-07	0.00E+00	0.00E+00	9.86E-08	1.86E-08	1.18E-07	1.82E-08	1.66E-08	2.70E-07	2.79E-07	1.03E-07	1.40E-07	5.21E-08	2.79E-07	1.03E-07
1958	495311.1	3859352	8.77E-04	8.98E-04	8.47E-04	3.03E-07	9.16E-07	5.30E-07	5.43E-07	4.92E-07	2.25E-07	2.12E-07	0.00E+00	0.00E+00	9.76E-08	1.84E-08	1.17E-07	1.80E-08	1.64E-08	2.68E-07	2.77E-07	1.01E-07	1.38E-07	5.16E-08	2.77E-07	1.01E-07
1959	495361.1	3859352	8.71E-04	8.92E-04	8.41E-04	3.01E-07	9.10E-07	5.27E-07	5.40E-07	4.89E-07	2.23E-07	2.11E-07	0.00E+00	0.00E+00	9.69E-08	1.83E-08	1.16E-07	1.79E-08	1.63E-08	2.66E-07	2.75E-07	1.01E-07	1.37E-07	5.13E-08	2.75E-07	1.01E-07
1960	495411.1	3859352	8.66E-04	8.87E-04	8.37E-04	3.00E-07	9.06E-07	5.24E-07	5.37E-07	4.87E-07	2.22E-07	2.09E-07	0.00E+00	0.00E+00	9.64E-08	1.82E-08	1.16E-07	1.78E-08	1.62E-08	2.64E-07	2.73E-07	1.00E-07	1.36E-07	5.10E-08	2.73E-07	1.00E-07
1961	495461.1	3859352	8.63E-04	8.84E-04	8.34E-04	2.99E-07	9.02E-07	5.22E-07	5.35E-07	4.85E-07	2.21E-07	2.09E-07	0.00E+00	0.00E+00	9.61E-08	1.82E-08	1.15E-07	1.78E-08	1.62E-08	2.63E-07	2.72E-07	9.99E-08	1.36E-07	5.08E-08	2.72E-07	9.99E-08
1962	495511.1	3859352	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	0.00E+00	0.00E+00	9.50E-08	1.79E-08	1.14E-07	1.76E-08	1.60E-08	2.60E-07	2.69E-07	9.87E-08	1.34E-07	5.02E-08	2.69E-07	9.87E-08
1963	495561.1	3859352	8.46E-04	8.66E-04	8.17E-04	2.93E-07	8.84E-07	5.12E-07	5.24E-07	4.75E-07	2.17E-07	2.04E-07	0.00E+00	0.00E+00	9.41E-08	1.78E-08	1.13E-07	1.74E-08	1.58E-08	2.58E-07	2.67E-07	9.79E-08	1.33E-07	4.98E-08	2.67E-07	9.79E-08
1964	495611.1	3859352	8.40E-04	8.60E-04	8.11E-04	2.91E-07	8.78E-07	5.08E-07	5.20E-07	4.72E-07	2.15E-07	2.03E-07	0.00E+00	0.00E+00	9.35E-08	1.77E-08	1.12E-07	1.73E-08	1.57E-08	2.56E-07	2.65E-07	9.72E-08	1.32E-07	4.94E-08	2.65E-07	9.72E-08
1965	495661.1	3859352	8.29E-04	8.50E-04	8.01E-04	2.87E-07	8.67E-07	5.02E-07	5.14E-07	4.66E-07	2.13E-07	2.01E-07	0.00E+00	0.00E+00	9.23E-08	1.74E-08	1.11E-07	1.71E-08	1.55E-08	2.53E-07	2.62E-07	9.60E-08	1.31E-07	4.88E-08	2.62E-07	9.60E-08
1966	494311.1	3859402	1.15E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.93E-07	7.10E-07	6.43E-07	2.94E-07	2.77E-07	0.00E+00	0.00E+00	1.27E-07	2.41E-08	1.53E-07	2.36E-08	2.14E-08	3.49E-07	3.61E-07	1.33E-07	1.80E-07	6.74E-08	3.61E-07	1.33E-07
1967	494361.1	3859402	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.18E-06	6.80E-07	6.97E-07	6.32E-07	2.88E-07	2.72E-07	0.00E+00	0.00E+00	1.25E-07	2.37E-08	1.50E-07	2.31E-08	2.11E-08	3.43E-07	3.55E-07	1.30E-07	1.77E-07	6.62E-08	3.55E-07	1.30E-07
1968	494411.1	3859402	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.69E-07	6.85E-07	6.21E-07	2.83E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.33E-08	1.48E-07	2.28E-08	2.07E-08	3.37E-07	3.49E-07	1.28E-07	1.74E-07	6.51E-08	3.49E-07	1.28E-07
1969	494461.1	3859402	1.09E-03	1.12E-03	1.05E-03	3.77E-07	1.14E-06	6.59E-07	6.75E-07	6.12E-07	2.79E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.29E-08	1.45E-07	2.24E-08	2.04E-08	3.32E-07	3.44E-07	1.26E-07	1.72E-07	6.41E-08	3.44E-07	1.26E-07
1970	494511.1	3859402	1.08E-03	1.10E-03	1.04E-03	3.73E-07	1.13E-06	6.52E-07	6.68E-07	6.05E-07	2.76E-07	2.61E-07	0.00E+00	0.00E+00	1.20E-07	2.27E-08	1.44E-07	2.22E-08	2.02E-08	3.29E-07	3.40E-07	1.25E-07	1.70E-07	6.34E-08	3.40E-07	1.25E-07
1971	494561.1	3859402	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.11E-06	6.45E-07	6.60E-07	5.99E-07	2.73E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.24E-08	1.42E-07	2.19E-08	2.00E-08	3.25E-07	3.36E-07	1.23E-07	1.68E-07	6.27E-08	3.36E-07	1.23E-07
1972	494611.1	3859402	1.05E-03	1.07E-03	1.01E-03	3.63E-07	1.10E-06	6.35E-07	6.50E-07	5.90E-07	2.69E-07	2.54E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	1.96E-08	3.20E-07	3.31E-07	1.21E-07	1.65E-07	6.18E-08	3.31E-07	1.21E-07
1973	494661.1	3859402	1.04E-03	1.06E-03	1.00E-03	3.60E-07	1.09E-06	6.29E-07	6.44E-07	5.84E-07	2.66E-07	2.51E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	1.95E-08	3.17E-07	3.28E-07	1.20E-07	1.64E-07	6.12E-08	3.28E-07	1.20E-07
1974	494711.1	3859402	1.02E-03	1.05E-03	9.90E-04	3.55E-07	1.07E-06	6.20E-07	6.35E-07	5.75E-07	2.63E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.37E-07	2.11E-08	1.92E-08	3.13E-07	3.23E-07	1.19E-07	1.61E-07	6.03E-08	3.23E-07	1.19E-07
1975	494761.1	3859402	9.99E-04	1.02E-03	9.65E-04	3.46E-07	1.04E-06	6.05E-07	6.19E-07	5.61E-07	2.56E-07	2.42E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.33E-07	2.06E-08	1.87E-08	3.05E-07	3.15E-07	1.16E-07	1.57E-07	5.88E-08	3.15E-07	1.16E-07
1976	494811.1	3859402	9.86E-04	1.01E-03	9.52E-04	3.41E-07	1.03E-06	5.97E-07	6.11E-07	5.54E-07	2.53E-07	2.38E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.32E-07	2.03E-08	1.85E-08	3.01E-07	3.11E-07	1.14E-07	1.55E-07	5.80E-08	3.11E-07	1.14E-07
1977	494861.1	3859402	9.67E-04	9.90E-04	9.34E-04	3.35E-07	1.01E-06	5.85E-07	5.99E-07	5.43E-07	2.48E-07	2.34E-07	0.00E+00	0.00E+00	1.08E-07	2.03E-08	1.29E-07	1.99E-08	1.81E-08	2.95E-07	3.05E-07	1.12E-07	1.52E-07	5.69E-08	3.05E-07	1.12E-07
1978	494911.1	3859402	9.52E-04	9.75E-04	9.20E-04	3.30E-07	9.95E-07	5.76E-07	5.90E-07	5.35E-07	2.44E-07	2.30E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.78E-08	2.90E-07	3.00E-07	1.10E-07	1.50E-07	5.60E-08	3.00E-07	1.10E-07
1979	494961.1	3859402	9.46E-04	9.69E-04	9.14E-04	3.27E-07	9.89E-07	5.72E-07	5.86E-07	5.31E-07	2.43E-07	2.29E-07	0.00E+00	0.00E+00	1.05E-07	1.99E-08	1.26E-07	1.95E-08	1.77E-08	2.89E-07	2.99E-07	1.10E-07	1.49E-07	5.57E-08	2.99E-07	1.10E-07
1980	495011.1	3859402	9.39E-04	9.61E-04	9.07E-04	3.25E-07	9.81E-07	5.68E-07	5.82E-07	5.27E-07	2.41E-07	2.27E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.93E-08	1.76E-08	2.86E-07	2.96E-07	1.09E-07	1.48E-07	5.53E-08	2.96E-07	1.09E-07
1981	495061.1	3859402	9.30E-04	9.52E-04	8.98E-04	3.22E-07	9.72E-07	5.63E-07	5.76E-07	5.22E-07	2.38E-07	2.25E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.91E-08	1.74E-08	2.84E-07	2.93E-07	1.08E-07	1.46E-07	5.47E-08	2.93E-07	1.08E-07
1982	495111.1	3859402	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.23E-07	1.89E-08	1.72E-08	2.81E-07	2.90E-07	1.06E-07	1.45E-07	5.41E-08	2.90E-07	1.06E-07
1983	495161.1	3859402	9.17E-04	9.39E-04	8.85E-04	3.17E-07	9.58E-07	5.55E-07	5.68E-07	5.15E-07	2.35E-07	2.22E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.22E-07	1.89E-08	1.72E-08	2.80E-07	2.89E-07	1.06E-07	1.44E-07	5.40E-08	2.89E-07	1.06E-07
1984	495211.1	3859402	9.14E-04	9.36E-04	8.83E-04	3.16E-07	9.55E-07	5.53E-07	5.66E-07	5.13E-07	2.34E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.71E-08	2.79E-07	2.88E-07	1.06E-07	1.44E-07	5.38E-08	2.88E-07	1.06E-07
1985	495261.1	3859402	9.06E-04	9.28E-04	8.75E-04	3.14E-07	9.47E-07	5.48E-07	5.62E-07	5.09E-07	2.32E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.70E-08	2.77E-07	2.86E-07	1.05E-07	1.43E-07	5.33E-08	2.86E-07	1.05E-07
1986	495311.1	3859402	8.99E-04	9.21E-04	8.68E-04	3.11E-07	9.39E-07	5.44E-07	5.57E-07	5.05E-07	2.30E-07	2.17E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.68E-08	2.74E-07	2.84E-07	1.04E-07	1.42E-07	5.29E-08	2.84E-07	1.04E-07
1987	495361.1	3859402	8.96E-04	9.18E-04	8.65E-04	3.10E-07	9.36E-07	5.42E-07	5.55E-07	5.03E-07	2.30E-07	2.17E-07	0.00E+00	0.00E+00	9.97E-08	1.88E-08	1.20E-07	1.84E-08	1.68E-08	2.73E-07	2.83E-07	1.04E-07	1.41E-07	5.27E-08	2.83E-07	1.04E-07
1988	495411.1	3859402	8.91E-04	9.13E-04	8.61E-04	3.09E-07	9.32E-07	5.39E-07	5.52E-07	5.01E-07	2.29E-07	2.16E-07	0.00E+00	0.00E+00	9.92E-08	1.88E-08	1.19E-07	1.83E-08	1.67E-08	2.72E-07	2.81E-07	1.03E-07	1.40E-07	5.25E-08	2.81E-07	1.03E-07
1989	495461.1	3859402	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	0.00E+00	0.00E+00	9.82E-08	1.86E-08	1.18E-07	1.82E-08	1.65E-08	2.69E-07	2.79E-07	1.02E-07	1.39E-07	5.20E-08	2.79E-07	1.02E-07
1990	495511.1	3859402	8.72E-04	8.93E-04	8.43E-04	3.02E-07	9.12E-07	5.28E-07	5.41E-07	4.90E-07	2.24E-07	2.11E-07	0.00E+00	0.00E+00	9.71E-08	1.83E-08	1.16E-07	1.80E-08	1.63E-08	2.66E-07	2.75E-07	1.01E-07	1.37E-07	5.13E-08	2.75E-07	1.01E-07
1991	495561.1	3859402	8.62E-04	8.83E-04	8.33E-04	2.98E-07	9.01E-07	5.22E-07	5.34E-07	4.84E-07	2.21E-07	2.08E-07	0.00E+00	0.00E+00	9.59E-08	1.81E-08	1.15E-07	1.77E-08	1.61E-08	2.63E-07	2.72E-07	9.98E-08	1.36E-07	5.07E-08	2.72E-07	9.98E-08

1992	495611.1	3859402	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	0.00E+00	0.00E+00	9.51E-08	1.80E-08	1.14E-07	1.76E-08	1.60E-08	2.61E-07	2.70E-07	9.89E-08	1.35E-07	5.03E-08	2.70E-07	9.89E-08
1993	495661.1	3859402	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	0.00E+00	0.00E+00	9.45E-08	1.79E-08	1.13E-07	1.75E-08	1.59E-08	2.59E-07	2.68E-07	9.82E-08	1.34E-07	5.00E-08	2.68E-07	9.82E-08
1994	494311.1	3859452	1.17E-03	1.20E-03	1.13E-03	4.05E-07	1.22E-06	7.07E-07	7.24E-07	6.57E-07	3.00E-07	2.83E-07	0.00E+00	0.00E+00	1.30E-07	2.46E-08	1.56E-07	2.41E-08	2.19E-08	3.57E-07	3.69E-07	1.35E-07	1.84E-07	6.88E-08	3.69E-07	1.35E-07
1995	494361.1	3859452	1.15E-03	1.18E-03	1.11E-03	3.98E-07	1.20E-06	6.96E-07	7.13E-07	6.46E-07	2.95E-07	2.78E-07	0.00E+00	0.00E+00	1.28E-07	2.42E-08	1.53E-07	2.37E-08	2.15E-08	3.51E-07	3.63E-07	1.33E-07	1.81E-07	6.77E-08	3.63E-07	1.33E-07
1996	494411.1	3859452	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.18E-06	6.80E-07	6.97E-07	6.32E-07	2.88E-07	2.72E-07	0.00E+00	0.00E+00	1.25E-07	2.37E-08	1.50E-07	2.31E-08	2.11E-08	3.43E-07	3.55E-07	1.30E-07	1.77E-07	6.62E-08	3.55E-07	1.30E-07
1997	494461.1	3859452	1.11E-03	1.14E-03	1.08E-03	3.86E-07	1.16E-06	6.74E-07	6.91E-07	6.26E-07	2.86E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.09E-08	3.40E-07	3.52E-07	1.29E-07	1.76E-07	6.56E-08	3.52E-07	1.29E-07
1998	494511.1	3859452	1.10E-03	1.12E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.80E-07	6.17E-07	2.81E-07	2.65E-07	0.00E+00	0.00E+00	1.22E-07	2.31E-08	1.47E-07	2.26E-08	2.06E-08	3.35E-07	3.47E-07	1.27E-07	1.73E-07	6.46E-08	3.47E-07	1.27E-07
1999	494561.1	3859452	1.09E-03	1.11E-03	1.05E-03	3.76E-07	1.14E-06	6.57E-07	6.73E-07	6.10E-07	2.78E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.24E-08	2.03E-08	3.31E-07	3.43E-07	1.26E-07	1.71E-07	6.39E-08	3.43E-07	1.26E-07
2000	494611.1	3859452	1.08E-03	1.10E-03	1.04E-03	3.73E-07	1.13E-06	6.52E-07	6.68E-07	6.05E-07	2.76E-07	2.61E-07	0.00E+00	0.00E+00	1.20E-07	2.27E-08	1.44E-07	2.22E-08	2.02E-08	3.29E-07	3.40E-07	1.25E-07	1.70E-07	6.34E-08	3.40E-07	1.25E-07
2001	494661.1	3859452	1.06E-03	1.09E-03	1.03E-03	3.67E-07	1.11E-06	6.42E-07	6.58E-07	5.96E-07	2.72E-07	2.57E-07	0.00E+00	0.00E+00	1.18E-07	2.23E-08	1.42E-07	2.18E-08	1.99E-08	3.24E-07	3.35E-07	1.23E-07	1.67E-07	6.25E-08	3.35E-07	1.23E-07
2002	494711.1	3859452	1.05E-03	1.07E-03	1.01E-03	3.62E-07	1.09E-06	6.33E-07	6.48E-07	5.88E-07	2.68E-07	2.53E-07	0.00E+00	0.00E+00	1.16E-07	2.20E-08	1.40E-07	2.15E-08	1.96E-08	3.19E-07	3.30E-07	1.21E-07	1.65E-07	6.16E-08	3.30E-07	1.21E-07
2003	494761.1	3859452	1.03E-03	1.06E-03	9.98E-04	3.58E-07	1.08E-06	6.25E-07	6.40E-07	5.80E-07	2.65E-07	2.50E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.13E-08	1.93E-08	3.15E-07	3.26E-07	1.20E-07	1.63E-07	6.08E-08	3.26E-07	1.20E-07
2004	494811.1	3859452	1.01E-03	1.04E-03	9.80E-04	3.51E-07	1.06E-06	6.13E-07	6.28E-07	5.70E-07	2.60E-07	2.45E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.09E-08	1.90E-08	3.09E-07	3.20E-07	1.17E-07	1.60E-07	5.97E-08	3.20E-07	1.17E-07
2005	494861.1	3859452	9.98E-04	1.02E-03	9.64E-04	3.45E-07	1.04E-06	6.04E-07	6.18E-07	5.60E-07	2.56E-07	2.41E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.33E-07	2.05E-08	1.87E-08	3.04E-07	3.15E-07	1.15E-07	1.57E-07	5.87E-08	3.15E-07	1.15E-07
2006	494911.1	3859452	9.84E-04	1.01E-03	9.51E-04	3.41E-07	1.03E-06	5.96E-07	6.10E-07	5.53E-07	2.52E-07	2.38E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.31E-07	2.03E-08	1.84E-08	3.00E-07	3.11E-07	1.14E-07	1.55E-07	5.80E-08	3.11E-07	1.14E-07
2007	494961.1	3859452	9.77E-04	1.00E-03	9.44E-04	3.38E-07	1.02E-06	5.91E-07	6.05E-07	5.49E-07	2.50E-07	2.36E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.30E-07	2.01E-08	1.83E-08	2.98E-07	3.08E-07	1.13E-07	1.54E-07	5.75E-08	3.08E-07	1.13E-07
2008	495011.1	3859452	9.67E-04	9.90E-04	9.34E-04	3.35E-07	1.01E-06	5.85E-07	5.99E-07	5.43E-07	2.48E-07	2.34E-07	0.00E+00	0.00E+00	1.08E-07	2.03E-08	1.29E-07	1.99E-08	1.81E-08	2.95E-07	3.05E-07	1.12E-07	1.52E-07	5.69E-08	3.05E-07	1.12E-07
2009	495061.1	3859452	9.58E-04	9.81E-04	9.25E-04	3.32E-07	1.00E-06	5.80E-07	5.94E-07	5.38E-07	2.46E-07	2.32E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.28E-07	1.97E-08	1.79E-08	2.92E-07	3.02E-07	1.11E-07	1.51E-07	5.64E-08	3.02E-07	1.11E-07
2010	495111.1	3859452	9.48E-04	9.70E-04	9.15E-04	3.28E-07	9.90E-07	5.73E-07	5.87E-07	5.32E-07	2.43E-07	2.29E-07	0.00E+00	0.00E+00	1.05E-07	1.99E-08	1.26E-07	1.95E-08	1.77E-08	2.89E-07	2.99E-07	1.10E-07	1.49E-07	5.58E-08	2.99E-07	1.10E-07
2011	495161.1	3859452	9.42E-04	9.64E-04	9.10E-04	3.26E-07	9.84E-07	5.70E-07	5.84E-07	5.29E-07	2.41E-07	2.28E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.76E-08	2.87E-07	2.97E-07	1.09E-07	1.48E-07	5.54E-08	2.97E-07	1.09E-07
2012	495211.1	3859452	9.37E-04	9.60E-04	9.05E-04	3.24E-07	9.80E-07	5.67E-07	5.81E-07	5.26E-07	2.40E-07	2.27E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.93E-08	1.75E-08	2.86E-07	2.96E-07	1.08E-07	1.48E-07	5.52E-08	2.96E-07	1.08E-07
2013	495261.1	3859452	9.31E-04	9.54E-04	9.00E-04	3.22E-07	9.73E-07	5.63E-07	5.77E-07	5.23E-07	2.39E-07	2.25E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.74E-08	2.84E-07	2.94E-07	1.08E-07	1.47E-07	5.48E-08	2.94E-07	1.08E-07
2014	495311.1	3859452	9.24E-04	9.46E-04	8.93E-04	3.20E-07	9.66E-07	5.59E-07	5.73E-07	5.19E-07	2.37E-07	2.23E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.73E-08	2.82E-07	2.92E-07	1.07E-07	1.46E-07	5.44E-08	2.92E-07	1.07E-07
2015	495361.1	3859452	9.18E-04	9.40E-04	8.87E-04	3.18E-07	9.59E-07	5.55E-07	5.69E-07	5.16E-07	2.35E-07	2.22E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.23E-07	1.89E-08	1.72E-08	2.80E-07	2.90E-07	1.06E-07	1.45E-07	5.40E-08	2.90E-07	1.06E-07
2016	495411.1	3859452	9.11E-04	9.33E-04	8.80E-04	3.15E-07	9.52E-07	5.51E-07	5.64E-07	5.12E-07	2.33E-07	2.20E-07	0.00E+00	0.00E+00	1.01E-07	1.92E-08	1.22E-07	1.87E-08	1.70E-08	2.78E-07	2.87E-07	1.05E-07	1.43E-07	5.36E-08	2.87E-07	1.05E-07
2017	495461.1	3859452	9.03E-04	9.25E-04	8.73E-04	3.13E-07	9.44E-07	5.47E-07	5.60E-07	5.07E-07	2.32E-07	2.18E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.69E-08	2.76E-07	2.85E-07	1.05E-07	1.42E-07	5.32E-08	2.85E-07	1.05E-07
2018	495511.1	3859452	8.91E-04	9.13E-04	8.61E-04	3.09E-07	9.32E-07	5.39E-07	5.52E-07	5.01E-07	2.29E-07	2.16E-07	0.00E+00	0.00E+00	9.92E-08	1.88E-08	1.19E-07	1.83E-08	1.67E-08	2.72E-07	2.81E-07	1.03E-07	1.40E-07	5.25E-08	2.81E-07	1.03E-07
2019	495561.1	3859452	8.84E-04	9.05E-04	8.54E-04	3.06E-07	9.24E-07	5.35E-07	5.48E-07	4.97E-07	2.27E-07	2.14E-07	0.00E+00	0.00E+00	9.84E-08	1.86E-08	1.18E-07	1.82E-08	1.66E-08	2.70E-07	2.79E-07	1.02E-07	1.39E-07	5.20E-08	2.79E-07	1.02E-07
2020	495611.1	3859452	8.75E-04	8.96E-04	8.46E-04	3.03E-07	9.15E-07	5.30E-07	5.42E-07	4.92E-07	2.24E-07	2.12E-07	0.00E+00	0.00E+00	9.74E-08	1.84E-08	1.17E-07	1.80E-08	1.64E-08	2.67E-07	2.76E-07	1.01E-07	1.38E-07	5.15E-08	2.76E-07	1.01E-07
2021	495661.1	3859452	8.69E-04	8.90E-04	8.40E-04	3.01E-07	9.09E-07	5.26E-07	5.39E-07	4.88E-07	2.23E-07	2.10E-07	0.00E+00	0.00E+00	9.68E-08	1.83E-08	1.16E-07	1.79E-08	1.63E-08	2.65E-07	2.74E-07	1.01E-07	1.37E-07	5.12E-08	2.74E-07	1.01E-07
2022	494311.1	3859502	1.20E-03	1.22E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.41E-07	6.72E-07	3.06E-07	2.89E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.60E-07	2.46E-08	2.24E-08	3.65E-07	3.77E-07	1.38E-07	1.88E-07	7.04E-08	3.77E-07	1.38E-07
2023	494361.1	3859502	1.18E-03	1.20E-03	1.14E-03	4.07E-07	1.23E-06	7.12E-07	7.29E-07	6.61E-07	3.02E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.20E-08	3.59E-07	3.71E-07	1.36E-07	1.85E-07	6.92E-08	3.71E-07	1.36E-07
2024	494411.1	3859502	1.14E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.92E-07	7.09E-07	6.43E-07	2.93E-07	2.77E-07	0.00E+00	0.00E+00	1.27E-07	2.41E-08	1.53E-07	2.35E-08	2.14E-08	3.49E-07	3.61E-07	1.32E-07	1.80E-07	6.73E-08	3.61E-07	1.32E-07
2025	494461.1	3859502	1.14E-03	1.17E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	7.07E-07	6.41E-07	2.92E-07	2.76E-07	0.00E+00	0.00E+00	1.27E-07	2.40E-08	1.52E-07	2.35E-08	2.14E-08	3.48E-07	3.60E-07	1.32E-07	1.80E-07	6.72E-08	3.60E-07	1.32E-07
2026	494511.1	3859502	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.17E-06	6.80E-07	6.96E-07	6.31E-07	2.88E-07	2.72E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.50E-07	2.31E-08	2.10E-08	3.43E-07	3.54E-07	1.30E-07	1.77E-07	6.61E-08	3.54E-07	1.30E-07
2027	494561.1	3859502	1.11E-03	1.14E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.87E-07	6.23E-07	2.84E-07	2.68E-07	0.00E+00	0.00E+00	1.23E-07	2.33E-08	1.48E-07	2.28E-08	2.08E-08	3.38E-07	3.50E-07	1.28E-07	1.75E-07	6.52E-08	3.50E-07	1.28E-07
2028	494611.1	3859502	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.69E-07	6.85E-07	6.21E-07	2.83E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.33E-08	1.48E-07	2.28E-08	2.07E-08	3.37E-07	3.49E-07	1.28E-07	1.74E-07	6.51E-08	3.49E-07	1.28E-07
2029	494661.1	3859502	1.09E-03	1.11E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.74E-07	6.11E-07	2.79E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.29E-08	1.45E-07	2.24E-08	2.04E-08	3.32E-07	3.43E-07	1.26E-07	1.71E-07	6.40E-08	3.43E-07	1.26E-07
2030	494711.1	3859502	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.11E-06	6.45E-07	6.60E-07	5.99E-07	2.73E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.24E-08	1.42E-07	2.19E-08	2.00E-08	3.25E-07	3.36E-07	1.23E-07	1.68E-07	6.27E-08	3.36E-07	1.23E-07
2031	494761.1	3859502	1.06E-03	1.09E-03	1.02E-03	3.67E-07	1.11E-06	6.41E-07	6.57E-07	5.95E-07	2.72E-07	2.56E-07	0.00E+00	0.00E+00	1.18E-07	2.23E-08	1.41E-07	2.18E-08	1.98E-08	3.23E-07	3.34E-07	1.23E-07	1.67E-07	6.24E-08	3.34E-07	1.23E-07
2032	494811.1	3859502	1.03E-03	1.06E-03	1.00E-03	3.58E-07	1.08E-06	6.26E-07	6.41E-07	5.81E-07	2.65E-07	2.50E-07	0.00E+00	0.00E+00	1.15E-07	2.18E-08	1.38E-07	2.13E-08	1.94E-08	3.16E-07	3.27E-07	1.20E-07	1.63E-07	6.09E-08	3.27E-07	1.20E-07
2033	494861.1	3859502	1.02E-03	1.05E-03	9.88E-04	3.54E-07	1.07E-06	6.19E-07	6.34E-07	5.75E-07	2.62E-07	2.47E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.37E-07	2.11E-08	1.91E-08	3.12E-07	3.23E-07	1.18E-07	1.61E-07	6.02E-08	3.23E-07	1.18E-07
2034	494911.1	3859502	1.01E-03	1.04E-03	9.80E-04	3.51E-07	1.06E-06	6.13E-07	6.28E-07	5.70E-07	2.60E-07	2.45E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.09E-08	1.90E-08	3.09E-07	3.20E-07	1.17E-07	1.60E-07	5.97E-08	3.20E-07	1.17E-07
2035	494961.1	3859502	1.00E-03	1.02E-03	9.67E-04	3.46E-07	1.05E-06	6.05E-07	6.20E-07	5.62E-07	2.57E-07	2.42E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.34E-07	2.06E-08	1.87E-08	3.05E-07	3.16E-07	1.16E-07	1.58E-07	5.89E-08	3.16E-07	1.16E-07
2036	495011.1	3859502	9.93E-04	1.02E-03	9.60E-04	3.44E-07	1.04E-06	6.01E-07	6.16E-07	5.58E-07	2.55E-07	2.40E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.33E-07	2.04E-08	1.86E-08	3.03E-07	3.13E-07	1.15E-07	1.56E-07	5.85E-08	3.13E-07	1.15E-07
2037	495061.1	3859502	9.86E-04	1.01E-03	9.52E-04	3.41E-07	1.03E-06	5.97E-07	6.11E-07	5.54E-07	2.53E-07	2.38E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.32E-07	2.03E-08	1.85E-08	3.01E-07	3.11E-07	1.14E-07	1.55E-07	5.80E-08	3.11E-07	1.14E-07
2038	495111.1	3859502	9.73E-04	9.96E-04	9.40E-04	3.37E-07	1.02E-06	5.88E-07	6.03E-07	5.46E-07	2.49E-07	2.35E-07	0.00E+00	0.00E+00	1.08E-07	2.05E-08	1.30E-07	2.00E-08	1.82E-08	2.97E-07	3.07E-07	1.13E-07	1.53E-07	5.73E-08	3.07E-07	1.13E-07
2039	495161.1	3859502	9.65E-04	9.89E-04	9.33E-04	3.34E-07	1.01E-06	5.84E-07	5.98E-07	5.42E-07	2.47E-07	2.33E-07	0.00E+00	0.00E+00	1.07E-07	2.03E-08	1.29E-07	1.99E-08	1.81E-08	2.95E-07	3.05E-07	1.12E-07	1.52E-07	5.68E-08	3.05E-07	1.12E-07
2040	495211.1	3859502	9.61E-04	9.84E-04	9.28E-04	3.33E-07	1.00E-06	5.81E-07	5.95E-07	5.40E-07	2.46E-07	2.32E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.98E-08	1.80E-08	2.93E-07	3.03E-07	1.11E-07	1.51E-07	5.66E-08	3.03E-07	1.11E-07
2041	495261.1	3859502	9.55E-04	9.78E-04	9.23E-04	3.31E-07	9.98E-07	5.78E-07	5.92E-07	5.36E-07	2.45E-07	2.31E-07	0.00E+00	0.00E+00	1.06E-07	2.01E-08	1.27E-07	1.97E-08	1.79E-08	2.91E-07	3.01E-07	1.11E-07	1.50E-07	5.62E-08	3.01E-07	1.11E-07
2042	495311.1	3859502	9.49E-04	9.72E-04	9.17E-04	3.29E-07	9.92E-07	5.74E-07	5.88E-07	5.33E-07	2.43E-07	2.29E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.95E-08	1.78E-08	2.90E-07	3.00E-07	1.10E-07	1.49E-07	5.59E-08	3.00E-07	1.10E-07
2043	495361.1	3859502	9.40E-04	9.63E-04	9.08E-04	3.25E-07	9.83E-07	5.69E-07	5.83E-07	5.28E-07	2.41E-07	2.27E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.25E-07	1.94E-08	1.76E-08	2.87E-07	2.97E-07	1.09E-07	1.48E-07	5.53E-08	2.97E-07	1.09E-07
2044	495411.1	3859502	9.34E-04	9.57E-04	9.03E-04	3.23E-07	9.76E-07	5.65E-07	5.79E-07	5.25E-07	2.39E-07	2.26E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.92E-08	1.75E-08	2.85E-07	2.95E-07	1.08E-07	1.47E-07	5.50E-08	2.95E-07	1.08E-07
2045	495461.1	3859502	9.25E-04	9.48E-04	8.94E-04	3.20E-07	9.67E-07	5.60E-07	5.73E-07	5.20E-07	2.37E-07	2.24E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.24E-07	1.90E-08	1.73E-08	2.82E-07	2.92E-07	1.07E-07	1.46E-07	5.45E-08	2.92E-07	1.07E-07
2046	495511.1	3859502	9.09E-04	9.31E-04	8.78E-04	3.15E-07	9.50E-07	5.50E-07	5.63E-07	5.11E-07	2.33E-07	2.20E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.70E-08	2.77E-07	2.87E-07	1.05E-07	1.43E-07	5.35E-08	2.87E-07	1.05E-07
2047	495561.1	3859502	9.06E-04	9.28E-04	8.75E-04	3.14E-07	9.47E-07	5.48E-07	5.62E-07	5.09E-07	2.32E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.70E-08	2.77E-07	2.86E-07	1.05E-07	1.43E-07	5.33E-08	2.86E-07	1.05E-07
2048	495611.1	3859502	8.97E-04	9.19E-04	8.67E-04	3.11E-07	9.38E-07	5.43E-07	5.56E-07	5.04E-07	2.30E-07	2.17E-07	0.00E+00	0.00E+00	9.99E-08	1.89E-08	1.20E-07	1.85E-08	1.68E-08	2.74E-07	2.83E-07	1.04E-07	1.41E-07	5.28E-08	2.83E-07	1.04E-07
2049	495661.1	3859502	8.88E-04	9.10E-04	8.58E-04	3.08E-07	9.29E-07	5.38E-07	5.51E-07	4.99E-07	2.28E-07	2.15E-07	0.00E+00	0.00E+00	9.89E-08	1.87E-08	1.19E-07	1.83E-08	1.66E-08	2.71E-07	2.80E-07	1.03E-07	1.40E-07	5.23E-08	2.80E-07	1.03E-07
2050	494311.1	3859552	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.57E-07	6.87E-07	3.13E-07	2.95E-07	0.00E+00	0.00E+00	1.36E-07	2.57E-08	1.63E-07	2.52E-08	2.29E-08	3.73E-07	3.86E-07	1.41E-07	1.93E-07	7.19E-08	3.86E-07	1.41E-07
2051	494361.1	3859552	1.19E-03	1.22E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.40E-07	6.71E-07	3.06E-07	2.89E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.59E-07	2.46E-08	2.24E-08	3.64E-07	3.77E-07	1.38E-07	1.88E-07	7.03E-08	3.77E-07	1.38E-07
2052	494411.1	3859552	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	7.21E-07	6.53E-07	2.98E-07	2.81E-07	0.00E+00	0.00E+00	1.29E-07	2.45E-08	1.55E-07	2.39E-08	2.18E-08	3.55E-07	3.67E-07	1.35E-07	1.83E-07	6.85E-08	3.67E-07	1.35E-07
2053	494461.1	3859552	1.17E-03	1.19E-03	1.13E-03	4.04E-07	1.22E-06	7.05E-07	7.23E-07	6.55E-07	2.99E-07	2.82E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.56E-07	2.40E-08	2.18E-08	3.56E-07	3.68E-07	1.35E-07	1.84E-07	6.86E-08	3.68E-07	1.35E-07
2054	494511.1	3859552	1.15E-03	1.18E-03	1.11E-03	3.97E-07	1.20E-06	6.95E-07	7.12E-07	6.45E-07	2.94E-07	2.78E-07	0.00E+00	0.00E+00	1.28E-07	2.42E-08	1.53E-07	2.36E-08	2.15E-08	3.50E-07	3.62E-07	1.33E-07	1.81E-07	6.76E-08	3.62E-07	1.33E-07
2055	494561.1	3859552	1.13E-03	1.16E-03	1.10E-03	3.92E-07	1.18E-06	6.86E-07	7.02E-07	6.37E-07	2.91E-07	2.74E-07	0.00E+00	0.00E+00	1.26E-07	2.38E-08	1.51E-07	2.33E-08	2.12E-08	3.46E-07	3.58E-07	1.31E-07	1.79E-07	6.67E-08	3.58E-07	1.31E-07
2056	494611.1	3859552	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.18E-06	6.80E-07	6.97E-07	6.32E-07	2.88E-07	2.72E-07	0.00E+00	0.00E+00	1.25E-07	2.37E-08	1.50E-07	2.31E-08	2.11E-08	3.43E-07	3.55E-07	1.30E-07	1.77E-07	6.62E-08	3.55E-07	1.30E-07
2057	494661.1	3859552	1.11E-03	1.14E-03	1.08E-03	3.85E-07	1.16E-06	6.73E-07	6.90E-07	6.25E-07	2.85E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.08E-08	3.40E-07	3.51E-07	1.29E-07	1.75E-07	6.55E-08	3.51E-07	1.29E-07
2058	494711.1	3859552	1.08E-03	1.11E-03	1.05E-03	3.74E-07	1.13E-06	6.55E-07	6.70E-07	6.08E-07	2.77E-07	2.62E-07	0.00E+00	0.00E+00	1.20E-07	2.28E-08	1.44E-07	2.23E-08	2.03E-08	3.30E-07	3.41E-07	1.25E-07	1.70E-07	6.37E-08	3.41E-07	1.25E-07
2059	494761.1	3859552	1.08E-03	1.11E-03	1.05E-03	3.76E-07	1.13E-06	6.56E-07	6.72E-07	6.09E-07	2.78E-07	2.62E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.23E-08	2.03E-08	3.31E-07	3.42E-07	1.26E-07	1.71E-07	6.39E-08	3.42E-07	1.26E-07
2060	494811.1	3859552	1.06E-03	1.09E-03	1.03E-03	3.68E-07	1.11E-06	6.43E-07	6.59E-07	5.97E-07	2.72E-07	2.57E-07	0.00E+00	0.00E+00	1.18E-07	2.24E-08	1.42E-07	2.19E-08	1.99E-08	3.24E-07	3.35E-07	1.23E-07	1.67E-07	6.26E-08	3.35E-07	1.23E-07
2061	494861.1	3859552	1.05E-03	1.08E-03	1.02E-03	3.64E-07	1.10E-06	6.36E-07	6.51E-07	5.90E-07	2.69E-07	2.54E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	1.97E-08	3.21E-07	3.32E-07	1.22E-07	1.66E-07	6.19E-08	3.32E-07	1.22E-07
2062	494911.1	3859552	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.28E-07	6.43E-07	5.83E-07	2.66E-07	2.51E-07	0.00E+00	0.00E+00	1.15E-07	2.18E-08	1.38E-07	2.14E-08	1.94E-08	3.17E-07	3.27E-07	1.20E-07	1.63E-07	6.11E-08	3.27E-07	1.20E-07
2063	494961.1	3859552	1.03E-03	1.06E-03	9.95E-04	3.57E-07	1.08E-06	6.23E-07	6.38E-07	5.79E-07	2.64E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.12E-08	1.93E-08	3.14E-07	3.25E-07	1.19E-07	1.62E-07	6.06E-08	3.25E-07	1.19E-07
2064	495011.1	3859552	1.02E-03	1.05E-03	9.88E-04	3.54E-07	1.07E-06	6.19E-07	6.34E-07	5.75E-07	2.62E-07	2.47E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.37E-07	2.11E-08	1.91E-08	3.12E-07	3.23E-07	1.18E-07	1.61E-07	6.02E-08	3.23E-07	1.18E-07
2065	495061.1	3859552	1.01E-03	1.04E-03	9.78E-04	3.50E-07	1.06E-06	6.13E-07	6.27E-07	5.69E-07	2.60E-07	2.45E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.08E-08	1.90E-08	3.09E-07	3.20E-07	1.17E-07	1.59E-07	5.96E-08	3.20E-07	1.17E-07

2066	495111.1	3859552	1.00E-03	1.02E-03	9.67E-04	3.46E-07	1.05E-06	6.05E-07	6.20E-07	5.62E-07	2.57E-07	2.42E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.34E-07	2.06E-08	1.87E-08	3.05E-07	3.16E-07	1.16E-07	1.58E-07	5.89E-08	3.16E-07	1.16E-07
2067	495161.1	3859552	9.93E-04	1.02E-03	9.60E-04	3.44E-07	1.04E-06	6.01E-07	6.16E-07	5.58E-07	2.55E-07	2.40E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.33E-07	2.04E-08	1.86E-08	3.03E-07	3.13E-07	1.15E-07	1.56E-07	5.85E-08	3.13E-07	1.15E-07
2068	495211.1	3859552	9.89E-04	1.01E-03	9.55E-04	3.42E-07	1.03E-06	5.98E-07	6.13E-07	5.56E-07	2.53E-07	2.39E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.04E-08	1.85E-08	3.02E-07	3.12E-07	1.14E-07	1.56E-07	5.82E-08	3.12E-07	1.14E-07
2069	495261.1	3859552	9.79E-04	1.00E-03	9.45E-04	3.39E-07	1.02E-06	5.92E-07	6.06E-07	5.50E-07	2.51E-07	2.37E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.01E-08	1.83E-08	2.99E-07	3.09E-07	1.13E-07	1.54E-07	5.76E-08	3.09E-07	1.13E-07
2070	495311.1	3859552	9.71E-04	9.95E-04	9.38E-04	3.36E-07	1.02E-06	5.88E-07	6.02E-07	5.46E-07	2.49E-07	2.35E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.30E-07	2.00E-08	1.82E-08	2.96E-07	3.07E-07	1.12E-07	1.53E-07	5.72E-08	3.07E-07	1.12E-07
2071	495361.1	3859552	9.64E-04	9.87E-04	9.31E-04	3.34E-07	1.01E-06	5.83E-07	5.97E-07	5.41E-07	2.47E-07	2.33E-07	0.00E+00	0.00E+00	1.07E-07	2.03E-08	1.29E-07	1.98E-08	1.80E-08	2.94E-07	3.04E-07	1.12E-07	1.52E-07	5.67E-08	3.04E-07	1.12E-07
2072	495411.1	3859552	9.58E-04	9.81E-04	9.25E-04	3.32E-07	1.00E-06	5.80E-07	5.94E-07	5.38E-07	2.46E-07	2.32E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.28E-07	1.97E-08	1.79E-08	2.92E-07	3.02E-07	1.11E-07	1.51E-07	5.64E-08	3.02E-07	1.11E-07
2073	495461.1	3859552	9.46E-04	9.69E-04	9.14E-04	3.27E-07	9.89E-07	5.72E-07	5.86E-07	5.31E-07	2.43E-07	2.29E-07	0.00E+00	0.00E+00	1.05E-07	1.99E-08	1.26E-07	1.95E-08	1.77E-08	2.89E-07	2.99E-07	1.10E-07	1.49E-07	5.57E-08	2.99E-07	1.10E-07
2074	495511.1	3859552	9.34E-04	9.57E-04	9.03E-04	3.23E-07	9.76E-07	5.65E-07	5.79E-07	5.25E-07	2.39E-07	2.26E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.92E-08	1.75E-08	2.85E-07	2.95E-07	1.08E-07	1.47E-07	5.50E-08	2.95E-07	1.08E-07
2075	495561.1	3859552	9.27E-04	9.49E-04	8.95E-04	3.21E-07	9.69E-07	5.61E-07	5.74E-07	5.21E-07	2.38E-07	2.24E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.24E-07	1.91E-08	1.74E-08	2.83E-07	2.93E-07	1.07E-07	1.46E-07	5.46E-08	2.93E-07	1.07E-07
2076	495611.1	3859552	9.18E-04	9.40E-04	8.87E-04	3.18E-07	9.59E-07	5.55E-07	5.69E-07	5.16E-07	2.35E-07	2.22E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.23E-07	1.89E-08	1.72E-08	2.80E-07	2.90E-07	1.06E-07	1.45E-07	5.40E-08	2.90E-07	1.06E-07
2077	495661.1	3859552	9.09E-04	9.31E-04	8.78E-04	3.15E-07	9.50E-07	5.50E-07	5.63E-07	5.11E-07	2.33E-07	2.20E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.70E-08	2.77E-07	2.87E-07	1.05E-07	1.43E-07	5.35E-08	2.87E-07	1.05E-07
2078	494311.1	3859602	1.25E-03	1.28E-03	1.21E-03	4.33E-07	1.31E-06	7.57E-07	7.76E-07	7.03E-07	3.21E-07	3.03E-07	0.00E+00	0.00E+00	1.39E-07	2.63E-08	1.67E-07	2.58E-08	2.34E-08	3.82E-07	3.95E-07	1.45E-07	1.97E-07	7.37E-08	3.95E-07	1.45E-07
2079	494361.1	3859602	1.21E-03	1.24E-03	1.17E-03	4.20E-07	1.27E-06	7.34E-07	7.52E-07	6.82E-07	3.11E-07	2.93E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.50E-08	2.27E-08	3.70E-07	3.83E-07	1.40E-07	1.91E-07	7.14E-08	3.83E-07	1.40E-07
2080	494411.1	3859602	1.19E-03	1.22E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.39E-07	6.70E-07	3.06E-07	2.88E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.59E-07	2.45E-08	2.23E-08	3.64E-07	3.76E-07	1.38E-07	1.88E-07	7.02E-08	3.76E-07	1.38E-07
2081	494461.1	3859602	1.19E-03	1.22E-03	1.15E-03	4.12E-07	1.24E-06	7.21E-07	7.38E-07	6.69E-07	3.05E-07	2.88E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.59E-07	2.45E-08	2.23E-08	3.63E-07	3.76E-07	1.38E-07	1.88E-07	7.01E-08	3.76E-07	1.38E-07
2082	494511.1	3859602	1.17E-03	1.20E-03	1.13E-03	4.04E-07	1.22E-06	7.06E-07	7.23E-07	6.56E-07	2.99E-07	2.82E-07	0.00E+00	0.00E+00	1.30E-07	2.46E-08	1.56E-07	2.40E-08	2.19E-08	3.56E-07	3.68E-07	1.35E-07	1.84E-07	6.87E-08	3.68E-07	1.35E-07
2083	494561.1	3859602	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	7.21E-07	6.53E-07	2.98E-07	2.81E-07	0.00E+00	0.00E+00	1.29E-07	2.45E-08	1.55E-07	2.39E-08	2.18E-08	3.55E-07	3.67E-07	1.35E-07	1.83E-07	6.85E-08	3.67E-07	1.35E-07
2084	494611.1	3859602	1.16E-03	1.18E-03	1.12E-03	4.00E-07	1.21E-06	6.99E-07	7.16E-07	6.49E-07	2.96E-07	2.79E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.16E-08	3.53E-07	3.65E-07	1.34E-07	1.82E-07	6.80E-08	3.65E-07	1.34E-07
2085	494661.1	3859602	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.99E-07	6.33E-07	2.89E-07	2.73E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.51E-07	2.32E-08	2.11E-08	3.44E-07	3.56E-07	1.31E-07	1.78E-07	6.64E-08	3.56E-07	1.31E-07
2086	494711.1	3859602	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.70E-07	6.86E-07	6.22E-07	2.84E-07	2.68E-07	0.00E+00	0.00E+00	1.23E-07	2.33E-08	1.48E-07	2.28E-08	2.07E-08	3.38E-07	3.49E-07	1.28E-07	1.74E-07	6.52E-08	3.49E-07	1.28E-07
2087	494761.1	3859602	1.11E-03	1.14E-03	1.08E-03	3.86E-07	1.16E-06	6.74E-07	6.91E-07	6.26E-07	2.86E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.09E-08	3.40E-07	3.52E-07	1.29E-07	1.76E-07	6.56E-08	3.52E-07	1.29E-07
2088	494811.1	3859602	1.09E-03	1.12E-03	1.05E-03	3.78E-07	1.14E-06	6.60E-07	6.76E-07	6.13E-07	2.80E-07	2.64E-07	0.00E+00	0.00E+00	1.21E-07	2.29E-08	1.46E-07	2.25E-08	2.04E-08	3.33E-07	3.44E-07	1.26E-07	1.72E-07	6.42E-08	3.44E-07	1.26E-07
2089	494861.1	3859602	1.08E-03	1.11E-03	1.04E-03	3.74E-07	1.13E-06	6.54E-07	6.70E-07	6.07E-07	2.77E-07	2.61E-07	0.00E+00	0.00E+00	1.20E-07	2.27E-08	1.44E-07	2.22E-08	2.02E-08	3.30E-07	3.41E-07	1.25E-07	1.70E-07	6.36E-08	3.41E-07	1.25E-07
2090	494911.1	3859602	1.06E-03	1.09E-03	1.03E-03	3.68E-07	1.11E-06	6.43E-07	6.59E-07	5.97E-07	2.72E-07	2.57E-07	0.00E+00	0.00E+00	1.18E-07	2.24E-08	1.42E-07	2.19E-08	1.99E-08	3.24E-07	3.35E-07	1.23E-07	1.67E-07	6.26E-08	3.35E-07	1.23E-07
2091	494961.1	3859602	1.06E-03	1.09E-03	1.03E-03	3.67E-07	1.11E-06	6.42E-07	6.58E-07	5.96E-07	2.72E-07	2.57E-07	0.00E+00	0.00E+00	1.18E-07	2.23E-08	1.42E-07	2.18E-08	1.99E-08	3.24E-07	3.35E-07	1.23E-07	1.67E-07	6.25E-08	3.35E-07	1.23E-07
2092	495011.1	3859602	1.04E-03	1.07E-03	1.01E-03	3.61E-07	1.09E-06	6.31E-07	6.47E-07	5.86E-07	2.67E-07	2.52E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.15E-08	1.95E-08	3.18E-07	3.29E-07	1.21E-07	1.64E-07	6.14E-08	3.29E-07	1.21E-07
2093	495061.1	3859602	1.04E-03	1.06E-03	1.00E-03	3.60E-07	1.09E-06	6.29E-07	6.44E-07	5.84E-07	2.66E-07	2.51E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	1.95E-08	3.17E-07	3.28E-07	1.20E-07	1.64E-07	6.12E-08	3.28E-07	1.20E-07
2094	495111.1	3859602	1.03E-03	1.05E-03	9.91E-04	3.55E-07	1.07E-06	6.21E-07	6.36E-07	5.76E-07	2.63E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.16E-08	1.37E-07	2.11E-08	1.92E-08	3.13E-07	3.24E-07	1.19E-07	1.62E-07	6.04E-08	3.24E-07	1.19E-07
2095	495161.1	3859602	1.02E-03	1.04E-03	9.85E-04	3.53E-07	1.07E-06	6.17E-07	6.32E-07	5.73E-07	2.61E-07	2.47E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.36E-07	2.10E-08	1.91E-08	3.11E-07	3.22E-07	1.18E-07	1.61E-07	6.00E-08	3.22E-07	1.18E-07
2096	495211.1	3859602	1.01E-03	1.04E-03	9.77E-04	3.50E-07	1.06E-06	6.12E-07	6.27E-07	5.68E-07	2.59E-07	2.44E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.08E-08	1.89E-08	3.08E-07	3.19E-07	1.17E-07	1.59E-07	5.95E-08	3.19E-07	1.17E-07
2097	495261.1	3859602	1.01E-03	1.03E-03	9.71E-04	3.48E-07	1.05E-06	6.08E-07	6.23E-07	5.65E-07	2.58E-07	2.43E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.07E-08	1.88E-08	3.07E-07	3.17E-07	1.16E-07	1.58E-07	5.92E-08	3.17E-07	1.16E-07
2098	495311.1	3859602	9.99E-04	1.02E-03	9.65E-04	3.46E-07	1.04E-06	6.05E-07	6.19E-07	5.61E-07	2.56E-07	2.42E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.33E-07	2.06E-08	1.87E-08	3.05E-07	3.15E-07	1.16E-07	1.57E-07	5.88E-08	3.15E-07	1.16E-07
2099	495361.1	3859602	9.90E-04	1.01E-03	9.57E-04	3.43E-07	1.04E-06	5.99E-07	6.14E-07	5.56E-07	2.54E-07	2.39E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.04E-08	1.85E-08	3.02E-07	3.13E-07	1.15E-07	1.56E-07	5.83E-08	3.13E-07	1.15E-07
2100	495411.1	3859602	9.84E-04	1.01E-03	9.51E-04	3.41E-07	1.03E-06	5.96E-07	6.10E-07	5.53E-07	2.52E-07	2.38E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.31E-07	2.03E-08	1.84E-08	3.00E-07	3.11E-07	1.14E-07	1.55E-07	5.80E-08	3.11E-07	1.14E-07
2101	495461.1	3859602	9.70E-04	9.93E-04	9.37E-04	3.36E-07	1.01E-06	5.87E-07	6.01E-07	5.45E-07	2.49E-07	2.34E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.29E-07	2.00E-08	1.82E-08	2.96E-07	3.06E-07	1.12E-07	1.53E-07	5.71E-08	3.06E-07	1.12E-07
2102	495511.1	3859602	9.55E-04	9.78E-04	9.23E-04	3.31E-07	9.98E-07	5.78E-07	5.92E-07	5.36E-07	2.45E-07	2.31E-07	0.00E+00	0.00E+00	1.06E-07	2.01E-08	1.27E-07	1.97E-08	1.79E-08	2.91E-07	3.01E-07	1.11E-07	1.50E-07	5.62E-08	3.01E-07	1.11E-07
2103	495561.1	3859602	9.52E-04	9.75E-04	9.20E-04	3.30E-07	9.95E-07	5.76E-07	5.90E-07	5.35E-07	2.44E-07	2.30E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.78E-08	2.90E-07	3.00E-07	1.10E-07	1.50E-07	5.60E-08	3.00E-07	1.10E-07
2104	495611.1	3859602	9.37E-04	9.60E-04	9.05E-04	3.24E-07	9.80E-07	5.67E-07	5.81E-07	5.26E-07	2.40E-07	2.27E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.93E-08	1.75E-08	2.86E-07	2.96E-07	1.08E-07	1.48E-07	5.52E-08	2.96E-07	1.08E-07
2105	495661.1	3859602	9.31E-04	9.54E-04	9.00E-04	3.22E-07	9.73E-07	5.63E-07	5.77E-07	5.23E-07	2.39E-07	2.25E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.74E-08	2.84E-07	2.94E-07	1.08E-07	1.47E-07	5.48E-08	2.94E-07	1.08E-07
2106	494311.1	3859652	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.70E-07	7.88E-07	7.15E-07	3.26E-07	3.08E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.38E-08	3.88E-07	4.02E-07	1.47E-07	2.00E-07	7.49E-08	4.02E-07	1.47E-07
2107	494361.1	3859652	1.24E-03	1.27E-03	1.19E-03	4.28E-07	1.29E-06	7.47E-07	7.66E-07	6.94E-07	3.17E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.60E-08	1.65E-07	2.54E-08	2.31E-08	3.77E-07	3.90E-07	1.43E-07	1.95E-07	7.27E-08	3.90E-07	1.43E-07
2108	494411.1	3859652	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.56E-07	6.86E-07	3.13E-07	2.95E-07	0.00E+00	0.00E+00	1.36E-07	2.57E-08	1.63E-07	2.51E-08	2.29E-08	3.72E-07	3.85E-07	1.41E-07	1.92E-07	7.19E-08	3.85E-07	1.41E-07
2109	494461.1	3859652	1.22E-03	1.25E-03	1.18E-03	4.22E-07	1.27E-06	7.38E-07	7.55E-07	6.85E-07	3.12E-07	2.95E-07	0.00E+00	0.00E+00	1.36E-07	2.56E-08	1.63E-07	2.51E-08	2.28E-08	3.72E-07	3.85E-07	1.41E-07	1.92E-07	7.18E-08	3.85E-07	1.41E-07
2110	494511.1	3859652	1.20E-03	1.23E-03	1.16E-03	4.16E-07	1.26E-06	7.28E-07	7.45E-07	6.76E-07	3.08E-07	2.91E-07	0.00E+00	0.00E+00	1.34E-07	2.53E-08	1.61E-07	2.48E-08	2.25E-08	3.67E-07	3.80E-07	1.39E-07	1.89E-07	7.08E-08	3.80E-07	1.39E-07
2111	494561.1	3859652	1.19E-03	1.22E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.39E-07	6.70E-07	3.06E-07	2.88E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.59E-07	2.45E-08	2.23E-08	3.64E-07	3.76E-07	1.38E-07	1.88E-07	7.02E-08	3.76E-07	1.38E-07
2112	494611.1	3859652	1.18E-03	1.21E-03	1.14E-03	4.09E-07	1.23E-06	7.14E-07	7.32E-07	6.63E-07	3.03E-07	2.85E-07	0.00E+00	0.00E+00	1.31E-07	2.48E-08	1.58E-07	2.43E-08	2.21E-08	3.60E-07	3.73E-07	1.37E-07	1.86E-07	6.95E-08	3.73E-07	1.37E-07
2113	494661.1	3859652	1.15E-03	1.18E-03	1.11E-03	3.97E-07	1.20E-06	6.95E-07	7.12E-07	6.45E-07	2.94E-07	2.78E-07	0.00E+00	0.00E+00	1.28E-07	2.42E-08	1.53E-07	2.36E-08	2.15E-08	3.50E-07	3.62E-07	1.33E-07	1.81E-07	6.76E-08	3.62E-07	1.33E-07
2114	494711.1	3859652	1.14E-03	1.17E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	7.05E-07	6.39E-07	2.92E-07	2.75E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.52E-07	2.34E-08	2.13E-08	3.47E-07	3.59E-07	1.32E-07	1.79E-07	6.70E-08	3.59E-07	1.32E-07
2115	494761.1	3859652	1.13E-03	1.16E-03	1.10E-03	3.93E-07	1.19E-06	6.87E-07	7.03E-07	6.38E-07	2.91E-07	2.74E-07	0.00E+00	0.00E+00	1.26E-07	2.39E-08	1.51E-07	2.34E-08	2.12E-08	3.46E-07	3.58E-07	1.31E-07	1.79E-07	6.68E-08	3.58E-07	1.31E-07
2116	494811.1	3859652	1.12E-03	1.15E-03	1.08E-03	3.87E-07	1.17E-06	6.77E-07	6.93E-07	6.28E-07	2.87E-07	2.70E-07	0.00E+00	0.00E+00	1.25E-07	2.35E-08	1.49E-07	2.30E-08	2.09E-08	3.41E-07	3.53E-07	1.30E-07	1.76E-07	6.59E-08	3.53E-07	1.30E-07
2117	494861.1	3859652	1.11E-03	1.14E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.87E-07	6.23E-07	2.84E-07	2.68E-07	0.00E+00	0.00E+00	1.23E-07	2.33E-08	1.48E-07	2.28E-08	2.08E-08	3.38E-07	3.50E-07	1.28E-07	1.75E-07	6.52E-08	3.50E-07	1.28E-07
2118	494911.1	3859652	1.10E-03	1.12E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.80E-07	6.16E-07	2.81E-07	2.65E-07	0.00E+00	0.00E+00	1.22E-07	2.31E-08	1.46E-07	2.26E-08	2.05E-08	3.35E-07	3.46E-07	1.27E-07	1.73E-07	6.46E-08	3.46E-07	1.27E-07
2119	494961.1	3859652	1.09E-03	1.11E-03	1.05E-03	3.76E-07	1.14E-06	6.57E-07	6.73E-07	6.10E-07	2.78E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.24E-08	2.03E-08	3.31E-07	3.43E-07	1.26E-07	1.71E-07	6.39E-08	3.43E-07	1.26E-07
2120	495011.1	3859652	1.07E-03	1.10E-03	1.04E-03	3.72E-07	1.12E-06	6.50E-07	6.66E-07	6.04E-07	2.75E-07	2.60E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.43E-07	2.21E-08	2.01E-08	3.28E-07	3.39E-07	1.24E-07	1.69E-07	6.33E-08	3.39E-07	1.24E-07
2121	495061.1	3859652	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.12E-06	6.46E-07	6.61E-07	5.99E-07	2.74E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.24E-08	1.42E-07	2.20E-08	2.00E-08	3.26E-07	3.37E-07	1.24E-07	1.68E-07	6.28E-08	3.37E-07	1.24E-07
2122	495111.1	3859652	1.06E-03	1.08E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.54E-07	5.93E-07	2.70E-07	2.55E-07	0.00E+00	0.00E+00	1.17E-07	2.22E-08	1.41E-07	2.17E-08	1.98E-08	3.22E-07	3.33E-07	1.22E-07	1.66E-07	6.21E-08	3.33E-07	1.22E-07
2123	495161.1	3859652	1.05E-03	1.07E-03	1.01E-03	3.62E-07	1.09E-06	6.33E-07	6.48E-07	5.88E-07	2.68E-07	2.53E-07	0.00E+00	0.00E+00	1.16E-07	2.20E-08	1.40E-07	2.15E-08	1.96E-08	3.19E-07	3.30E-07	1.21E-07	1.65E-07	6.16E-08	3.30E-07	1.21E-07
2124	495211.1	3859652	1.04E-03	1.06E-03	1.00E-03	3.60E-07	1.09E-06	6.29E-07	6.44E-07	5.84E-07	2.66E-07	2.51E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	1.95E-08	3.17E-07	3.28E-07	1.20E-07	1.64E-07	6.12E-08	3.28E-07	1.20E-07
2125	495261.1	3859652	1.03E-03	1.06E-03	9.95E-04	3.57E-07	1.08E-06	6.23E-07	6.38E-07	5.79E-07	2.64E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.12E-08	1.93E-08	3.14E-07	3.25E-07	1.19E-07	1.62E-07	6.06E-08	3.25E-07	1.19E-07
2126	495311.1	3859652	1.02E-03	1.05E-03	9.88E-04	3.54E-07	1.07E-06	6.19E-07	6.34E-07	5.75E-07	2.62E-07	2.47E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.37E-07	2.11E-08	1.91E-08	3.12E-07	3.23E-07	1.18E-07	1.61E-07	6.02E-08	3.23E-07	1.18E-07
2127	495361.1	3859652	1.02E-03	1.04E-03	9.81E-04	3.51E-07	1.06E-06	6.14E-07	6.29E-07	5.70E-07	2.60E-07	2.46E-07	0.00E+00	0.00E+00	1.13E-07	2.14E-08	1.36E-07	2.09E-08	1.90E-08	3.10E-07	3.20E-07	1.18E-07	1.60E-07	5.98E-08	3.20E-07	1.18E-07
2128	495411.1	3859652	1.01E-03	1.03E-03	9.72E-04	3.48E-07	1.05E-06	6.09E-07	6.24E-07	5.65E-07	2.58E-07	2.43E-07	0.00E+00	0.00E+00	1.12E-07	2.12E-08	1.34E-07	2.07E-08	1.88E-08	3.07E-07	3.18E-07	1.17E-07	1.59E-07	5.93E-08	3.18E-07	1.17E-07
2129	495461.1	3859652	9.92E-04	1.02E-03	9.58E-04	3.43E-07	1.04E-06	6.00E-07	6.15E-07	5.57E-07	2.54E-07	2.40E-07	0.00E+00	0.00E+00	1.10E-07	2.09E-08	1.32E-07	2.04E-08	1.86E-08	3.03E-07	3.13E-07	1.15E-07	1.56E-07	5.84E-08	3.13E-07	1.15E-07
2130	495511.1	3859652	9.80E-04	1.00E-03	9.47E-04	3.39E-07	1.02E-06	5.93E-07	6.07E-07	5.51E-07	2.51E-07	2.37E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.02E-08	1.83E-08	2.99E-07	3.09E-07	1.13E-07	1.54E-07	5.77E-08	3.09E-07	1.13E-07
2131	495561.1	3859652	9.73E-04	9.96E-04	9.40E-04	3.37E-07	1.02E-06	5.88E-07	6.03E-07	5.46E-07	2.49E-07	2.35E-07	0.00E+00	0.00E+00	1.08E-07	2.05E-08	1.30E-07	2.00E-08	1.82E-08	2.97E-07	3.07E-07	1.13E-07	1.53E-07	5.73E-08	3.07E-07	1.13E-07
2132	495611.1	3859652	9.64E-04	9.87E-04	9.31E-04	3.34E-07	1.01E-06	5.83E-07	5.97E-07	5.41E-07	2.47E-07	2.33E-07	0.00E+00	0.00E+00	1.07E-07	2.03E-08	1.29E-07	1.98E-08	1.80E-08	2.94E-07	3.04E-07	1.12E-07	1.52E-07	5.67E-08	3.04E-07	1.12E-07
2133	495661.1	3859652	9.53E-04	9.77E-04	9.21E-04	3.30E-07	9.97E-07	5.77E-07	5.91E-07	5.36E-07	2.44E-07	2.31E-07	0.00E+00	0.00E+00	1.06E-07	2.01E-08	1.27E-07	1.96E-08	1.79E-08	2.91E-07	3.01E-07	1.10E-07	1.50E-07	5.61E-08	3.01E-07	1.10E-07
2134	494311.1	3859702	1.27E-03	1.30E-03	1.23E-03	4.39E-07	1.33E-06	7.68E-07	7.87E-07	7.13E-07	3.25E-07	3.07E-07	0.00E+00	0.00E+00	1.41E-07	2.67E-08	1.69E-07	2.61E-08	2.38E-08	3.87E-07	4.01E-07	1.47E-07	2.00E-07	7.47E-08	4.01E-07	1.47E-07
2135	494361.1	3859702	1.25E-03	1.28E-03	1.21E-03	4.34E-07	1.31E-06	7.59E-07	7.77E-07	7.05E-07	3.22E-07	3.03E-07	0.00E+00	0.00E+00	1.40E-07	2.64E-08	1.67E-07	2.58E-08	2.35E-08	3.83E-07	3.96E-07	1.45E-07	1.98E-07	7.38E-08	3.96E-07	1.45E-07
2136	494411.1	3859702	1.24E-03	1.27E-03	1.20E-03	4.31E-07	1.30E-06	7.53E-07	7.71E-07	6.99E-07	3.19E-07	3.01E-07	0.00E+00	0.00E+00	1.38E-07	2.62E-08	1.66E-07	2.56E-08	2.33E-08	3.80E-07	3.93E-07	1.44E-07	1.96E-07	7.32E-08	3.93E-07	1.44E-07
2137	494461.1	3859702	1.25E-03	1.28E-03	1.20E-03	4.32E-07	1.30E-06	7.55E-07	7.73E-07	7.01E-07	3.20E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.62E-08	1.66E-07	2.57E-08	2.33E-08	3.81E-07	3.94E-07	1.44E-07	1.96E-07	7.34E-08	3.94E-07	1.44E-07
2138	494511.1	3859702	1.23E-03	1.26E-03	1.19E-03	4.27E-07	1.29E-06	7.46E-07	7.64E-07	6.92E-07	3.16E-07	2.98E-07	0.00E+00	0.00E+00	1.37E-07	2.59E-08	1.64E-07	2.54E-08	2.31E-08	3.76E-07	3.89E-07	1.43E-07	1.94E-07	7.25E-08	3.89E-07	1.43E-07
2139	494561.1	3859702	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.57E-07	6.87E-07	3.13E-07	2.95E-07	0.00E+00	0.00E+00	1.36E-07	2.57E-08	1.63E-07	2.52E-08	2.29E-08	3.73E-07	3.86E-07	1.41E-07	1.93E-07	7.19E-08	3.86E-07	1.41E-07

2140	494611.1	3859702	1.21E-03	1.24E-03	1.17E-03	4.19E-07	1.27E-06	7.33E-07	7.51E-07	6.81E-07	3.11E-07	2.93E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.49E-08	2.27E-08	3.70E-07	3.82E-07	1.40E-07	1.91E-07	7.13E-08	3.82E-07	1.40E-07
2141	494661.1	3859702	1.18E-03	1.21E-03	1.14E-03	4.08E-07	1.23E-06	7.13E-07	7.30E-07	6.62E-07	3.02E-07	2.85E-07	0.00E+00	0.00E+00	1.31E-07	2.48E-08	1.57E-07	2.42E-08	2.21E-08	3.59E-07	3.72E-07	1.36E-07	1.86E-07	6.93E-08	3.72E-07	1.36E-07
2142	494711.1	3859702	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	7.27E-07	6.59E-07	3.01E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.20E-08	3.58E-07	3.70E-07	1.36E-07	1.85E-07	6.91E-08	3.70E-07	1.36E-07
2143	494761.1	3859702	1.16E-03	1.19E-03	1.12E-03	4.01E-07	1.21E-06	7.00E-07	7.17E-07	6.50E-07	2.97E-07	2.80E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.17E-08	3.53E-07	3.65E-07	1.34E-07	1.82E-07	6.81E-08	3.65E-07	1.34E-07
2144	494811.1	3859702	1.14E-03	1.17E-03	1.10E-03	3.95E-07	1.19E-06	6.91E-07	7.08E-07	6.42E-07	2.93E-07	2.76E-07	0.00E+00	0.00E+00	1.27E-07	2.40E-08	1.52E-07	2.35E-08	2.14E-08	3.49E-07	3.61E-07	1.32E-07	1.80E-07	6.72E-08	3.61E-07	1.32E-07
2145	494861.1	3859702	1.14E-03	1.17E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	7.05E-07	6.39E-07	2.92E-07	2.75E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.52E-07	2.34E-08	2.13E-08	3.47E-07	3.59E-07	1.32E-07	1.79E-07	6.70E-08	3.59E-07	1.32E-07
2146	494911.1	3859702	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.81E-07	6.98E-07	6.33E-07	2.89E-07	2.72E-07	0.00E+00	0.00E+00	1.25E-07	2.37E-08	1.50E-07	2.32E-08	2.11E-08	3.44E-07	3.55E-07	1.30E-07	1.77E-07	6.63E-08	3.55E-07	1.30E-07
2147	494961.1	3859702	1.11E-03	1.14E-03	1.08E-03	3.85E-07	1.16E-06	6.73E-07	6.90E-07	6.25E-07	2.85E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.08E-08	3.40E-07	3.51E-07	1.29E-07	1.75E-07	6.55E-08	3.51E-07	1.29E-07
2148	495011.1	3859702	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.69E-07	6.85E-07	6.21E-07	2.83E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.33E-08	1.48E-07	2.28E-08	2.07E-08	3.37E-07	3.49E-07	1.28E-07	1.74E-07	6.51E-08	3.49E-07	1.28E-07
2149	495061.1	3859702	1.10E-03	1.12E-03	1.06E-03	3.79E-07	1.14E-06	6.63E-07	6.79E-07	6.15E-07	2.81E-07	2.65E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.05E-08	3.34E-07	3.46E-07	1.27E-07	1.73E-07	6.45E-08	3.46E-07	1.27E-07
2150	495111.1	3859702	1.08E-03	1.11E-03	1.05E-03	3.76E-07	1.13E-06	6.56E-07	6.72E-07	6.09E-07	2.78E-07	2.62E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.23E-08	2.03E-08	3.31E-07	3.42E-07	1.26E-07	1.71E-07	6.39E-08	3.42E-07	1.26E-07
2151	495161.1	3859702	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.49E-07	6.65E-07	6.03E-07	2.75E-07	2.59E-07	0.00E+00	0.00E+00	1.19E-07	2.26E-08	1.43E-07	2.21E-08	2.01E-08	3.27E-07	3.39E-07	1.24E-07	1.69E-07	6.32E-08	3.39E-07	1.24E-07
2152	495211.1	3859702	1.06E-03	1.09E-03	1.03E-03	3.67E-07	1.11E-06	6.42E-07	6.58E-07	5.96E-07	2.72E-07	2.57E-07	0.00E+00	0.00E+00	1.18E-07	2.23E-08	1.42E-07	2.18E-08	1.99E-08	3.24E-07	3.35E-07	1.23E-07	1.67E-07	6.25E-08	3.35E-07	1.23E-07
2153	495261.1	3859702	1.06E-03	1.08E-03	1.02E-03	3.66E-07	1.10E-06	6.39E-07	6.55E-07	5.94E-07	2.71E-07	2.56E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.18E-08	1.98E-08	3.22E-07	3.34E-07	1.22E-07	1.66E-07	6.22E-08	3.34E-07	1.22E-07
2154	495311.1	3859702	1.05E-03	1.07E-03	1.01E-03	3.62E-07	1.09E-06	6.33E-07	6.48E-07	5.88E-07	2.68E-07	2.53E-07	0.00E+00	0.00E+00	1.16E-07	2.20E-08	1.40E-07	2.15E-08	1.96E-08	3.19E-07	3.30E-07	1.21E-07	1.65E-07	6.16E-08	3.30E-07	1.21E-07
2155	495361.1	3859702	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.28E-07	6.43E-07	5.83E-07	2.66E-07	2.51E-07	0.00E+00	0.00E+00	1.15E-07	2.18E-08	1.38E-07	2.14E-08	1.94E-08	3.17E-07	3.27E-07	1.20E-07	1.63E-07	6.11E-08	3.27E-07	1.20E-07
2156	495411.1	3859702	1.02E-03	1.05E-03	9.90E-04	3.55E-07	1.07E-06	6.20E-07	6.35E-07	5.75E-07	2.63E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.37E-07	2.11E-08	1.92E-08	3.13E-07	3.23E-07	1.19E-07	1.61E-07	6.03E-08	3.23E-07	1.19E-07
2157	495461.1	3859702	1.01E-03	1.04E-03	9.80E-04	3.51E-07	1.06E-06	6.13E-07	6.28E-07	5.70E-07	2.60E-07	2.45E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.09E-08	1.90E-08	3.09E-07	3.20E-07	1.17E-07	1.60E-07	5.97E-08	3.20E-07	1.17E-07
2158	495511.1	3859702	9.98E-04	1.02E-03	9.64E-04	3.45E-07	1.04E-06	6.04E-07	6.18E-07	5.60E-07	2.56E-07	2.41E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.33E-07	2.05E-08	1.87E-08	3.04E-07	3.15E-07	1.15E-07	1.57E-07	5.87E-08	3.15E-07	1.15E-07
2159	495561.1	3859702	9.96E-04	1.02E-03	9.62E-04	3.45E-07	1.04E-06	6.03E-07	6.17E-07	5.60E-07	2.55E-07	2.41E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.33E-07	2.05E-08	1.87E-08	3.04E-07	3.14E-07	1.15E-07	1.57E-07	5.86E-08	3.14E-07	1.15E-07
2160	495611.1	3859702	9.87E-04	1.01E-03	9.54E-04	3.42E-07	1.03E-06	5.97E-07	6.12E-07	5.55E-07	2.53E-07	2.39E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.03E-08	1.85E-08	3.01E-07	3.12E-07	1.14E-07	1.56E-07	5.81E-08	3.12E-07	1.14E-07
2161	495661.1	3859702	9.77E-04	1.00E-03	9.44E-04	3.38E-07	1.02E-06	5.91E-07	6.05E-07	5.49E-07	2.50E-07	2.36E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.30E-07	2.01E-08	1.83E-08	2.98E-07	3.08E-07	1.13E-07	1.54E-07	5.75E-08	3.08E-07	1.13E-07
2162	494311.1	3859752	1.31E-03	1.34E-03	1.26E-03	4.53E-07	1.37E-06	7.91E-07	8.10E-07	7.35E-07	3.35E-07	3.16E-07	0.00E+00	0.00E+00	1.46E-07	2.75E-08	1.75E-07	2.69E-08	2.45E-08	3.99E-07	4.13E-07	1.51E-07	2.06E-07	7.70E-08	4.13E-07	1.51E-07
2163	494361.1	3859752	1.29E-03	1.32E-03	1.25E-03	4.47E-07	1.35E-06	7.81E-07	8.00E-07	7.25E-07	3.31E-07	3.12E-07	0.00E+00	0.00E+00	1.44E-07	2.72E-08	1.72E-07	2.66E-08	2.42E-08	3.94E-07	4.08E-07	1.49E-07	2.03E-07	7.60E-08	4.08E-07	1.49E-07
2164	494411.1	3859752	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.70E-07	7.88E-07	7.15E-07	3.26E-07	3.08E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.38E-08	3.88E-07	4.02E-07	1.47E-07	2.00E-07	7.49E-08	4.02E-07	1.47E-07
2165	494461.1	3859752	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.70E-07	7.88E-07	7.15E-07	3.26E-07	3.08E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.38E-08	3.88E-07	4.02E-07	1.47E-07	2.00E-07	7.49E-08	4.02E-07	1.47E-07
2166	494511.1	3859752	1.27E-03	1.30E-03	1.22E-03	4.38E-07	1.32E-06	7.66E-07	7.85E-07	7.11E-07	3.25E-07	3.06E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.61E-08	2.37E-08	3.86E-07	4.00E-07	1.47E-07	1.99E-07	7.45E-08	4.00E-07	1.47E-07
2167	494561.1	3859752	1.25E-03	1.28E-03	1.21E-03	4.33E-07	1.31E-06	7.57E-07	7.76E-07	7.03E-07	3.21E-07	3.03E-07	0.00E+00	0.00E+00	1.39E-07	2.63E-08	1.67E-07	2.58E-08	2.34E-08	3.82E-07	3.95E-07	1.45E-07	1.97E-07	7.37E-08	3.95E-07	1.45E-07
2168	494611.1	3859752	1.23E-03	1.26E-03	1.19E-03	4.27E-07	1.29E-06	7.47E-07	7.65E-07	6.93E-07	3.16E-07	2.98E-07	0.00E+00	0.00E+00	1.37E-07	2.60E-08	1.65E-07	2.54E-08	2.31E-08	3.76E-07	3.89E-07	1.43E-07	1.94E-07	7.26E-08	3.89E-07	1.43E-07
2169	494661.1	3859752	1.20E-03	1.23E-03	1.16E-03	4.17E-07	1.26E-06	7.29E-07	7.46E-07	6.77E-07	3.09E-07	2.91E-07	0.00E+00	0.00E+00	1.34E-07	2.53E-08	1.61E-07	2.48E-08	2.25E-08	3.67E-07	3.80E-07	1.39E-07	1.90E-07	7.09E-08	3.80E-07	1.39E-07
2170	494711.1	3859752	1.20E-03	1.23E-03	1.16E-03	4.16E-07	1.26E-06	7.28E-07	7.45E-07	6.76E-07	3.08E-07	2.91E-07	0.00E+00	0.00E+00	1.34E-07	2.53E-08	1.61E-07	2.48E-08	2.25E-08	3.67E-07	3.80E-07	1.39E-07	1.89E-07	7.08E-08	3.80E-07	1.39E-07
2171	494761.1	3859752	1.19E-03	1.22E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.40E-07	6.71E-07	3.06E-07	2.89E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.59E-07	2.46E-08	2.24E-08	3.64E-07	3.77E-07	1.38E-07	1.88E-07	7.03E-08	3.77E-07	1.38E-07
2172	494811.1	3859752	1.18E-03	1.21E-03	1.14E-03	4.08E-07	1.23E-06	7.14E-07	7.31E-07	6.62E-07	3.02E-07	2.85E-07	0.00E+00	0.00E+00	1.31E-07	2.48E-08	1.57E-07	2.43E-08	2.21E-08	3.60E-07	3.72E-07	1.37E-07	1.86E-07	6.94E-08	3.72E-07	1.37E-07
2173	494861.1	3859752	1.17E-03	1.20E-03	1.13E-03	4.04E-07	1.22E-06	7.06E-07	7.23E-07	6.56E-07	2.99E-07	2.82E-07	0.00E+00	0.00E+00	1.30E-07	2.46E-08	1.56E-07	2.40E-08	2.19E-08	3.56E-07	3.68E-07	1.35E-07	1.84E-07	6.87E-08	3.68E-07	1.35E-07
2174	494911.1	3859752	1.16E-03	1.19E-03	1.12E-03	4.01E-07	1.21E-06	7.00E-07	7.17E-07	6.50E-07	2.97E-07	2.80E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.17E-08	3.53E-07	3.65E-07	1.34E-07	1.82E-07	6.81E-08	3.65E-07	1.34E-07
2175	494961.1	3859752	1.15E-03	1.17E-03	1.11E-03	3.97E-07	1.20E-06	6.94E-07	7.11E-07	6.44E-07	2.94E-07	2.77E-07	0.00E+00	0.00E+00	1.28E-07	2.41E-08	1.53E-07	2.36E-08	2.15E-08	3.50E-07	3.62E-07	1.33E-07	1.81E-07	6.75E-08	3.62E-07	1.33E-07
2176	495011.1	3859752	1.13E-03	1.16E-03	1.10E-03	3.93E-07	1.19E-06	6.87E-07	7.03E-07	6.38E-07	2.91E-07	2.74E-07	0.00E+00	0.00E+00	1.26E-07	2.39E-08	1.51E-07	2.34E-08	2.12E-08	3.46E-07	3.58E-07	1.31E-07	1.79E-07	6.68E-08	3.58E-07	1.31E-07
2177	495061.1	3859752	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.99E-07	6.33E-07	2.89E-07	2.73E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.51E-07	2.32E-08	2.11E-08	3.44E-07	3.56E-07	1.31E-07	1.78E-07	6.64E-08	3.56E-07	1.31E-07
2178	495111.1	3859752	1.12E-03	1.14E-03	1.08E-03	3.86E-07	1.17E-06	6.75E-07	6.91E-07	6.27E-07	2.86E-07	2.70E-07	0.00E+00	0.00E+00	1.24E-07	2.35E-08	1.49E-07	2.30E-08	2.09E-08	3.40E-07	3.52E-07	1.29E-07	1.76E-07	6.57E-08	3.52E-07	1.29E-07
2179	495161.1	3859752	1.10E-03	1.13E-03	1.07E-03	3.82E-07	1.15E-06	6.68E-07	6.84E-07	6.20E-07	2.83E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.07E-08	3.37E-07	3.48E-07	1.28E-07	1.74E-07	6.50E-08	3.48E-07	1.28E-07
2180	495211.1	3859752	1.09E-03	1.12E-03	1.06E-03	3.78E-07	1.14E-06	6.61E-07	6.77E-07	6.14E-07	2.80E-07	2.64E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.04E-08	3.33E-07	3.45E-07	1.26E-07	1.72E-07	6.43E-08	3.45E-07	1.26E-07
2181	495261.1	3859752	1.08E-03	1.11E-03	1.05E-03	3.75E-07	1.13E-06	6.55E-07	6.71E-07	6.09E-07	2.78E-07	2.62E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.23E-08	2.03E-08	3.31E-07	3.42E-07	1.25E-07	1.71E-07	6.38E-08	3.42E-07	1.25E-07
2182	495311.1	3859752	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.49E-07	6.65E-07	6.03E-07	2.75E-07	2.59E-07	0.00E+00	0.00E+00	1.19E-07	2.26E-08	1.43E-07	2.21E-08	2.01E-08	3.27E-07	3.39E-07	1.24E-07	1.69E-07	6.32E-08	3.39E-07	1.24E-07
2183	495361.1	3859752	1.06E-03	1.09E-03	1.03E-03	3.68E-07	1.11E-06	6.43E-07	6.59E-07	5.97E-07	2.72E-07	2.57E-07	0.00E+00	0.00E+00	1.18E-07	2.24E-08	1.42E-07	2.19E-08	1.99E-08	3.24E-07	3.35E-07	1.23E-07	1.67E-07	6.26E-08	3.35E-07	1.23E-07
2184	495411.1	3859752	1.05E-03	1.08E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.53E-07	5.92E-07	2.70E-07	2.55E-07	0.00E+00	0.00E+00	1.17E-07	2.22E-08	1.41E-07	2.17E-08	1.97E-08	3.22E-07	3.33E-07	1.22E-07	1.66E-07	6.20E-08	3.33E-07	1.22E-07
2185	495461.1	3859752	1.04E-03	1.07E-03	1.01E-03	3.60E-07	1.09E-06	6.30E-07	6.45E-07	5.85E-07	2.67E-07	2.52E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	1.95E-08	3.17E-07	3.28E-07	1.20E-07	1.64E-07	6.13E-08	3.28E-07	1.20E-07
2186	495511.1	3859752	1.03E-03	1.05E-03	9.92E-04	3.56E-07	1.07E-06	6.22E-07	6.37E-07	5.77E-07	2.63E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.16E-08	1.37E-07	2.11E-08	1.92E-08	3.13E-07	3.24E-07	1.19E-07	1.62E-07	6.05E-08	3.24E-07	1.19E-07
2187	495561.1	3859752	1.02E-03	1.04E-03	9.84E-04	3.53E-07	1.06E-06	6.16E-07	6.31E-07	5.72E-07	2.61E-07	2.46E-07	0.00E+00	0.00E+00	1.13E-07	2.14E-08	1.36E-07	2.10E-08	1.91E-08	3.11E-07	3.21E-07	1.18E-07	1.60E-07	5.99E-08	3.21E-07	1.18E-07
2188	495611.1	3859752	1.01E-03	1.03E-03	9.75E-04	3.49E-07	1.06E-06	6.11E-07	6.26E-07	5.67E-07	2.59E-07	2.44E-07	0.00E+00	0.00E+00	1.12E-07	2.12E-08	1.35E-07	2.08E-08	1.89E-08	3.08E-07	3.19E-07	1.17E-07	1.59E-07	5.94E-08	3.19E-07	1.17E-07
2189	495661.1	3859752	1.00E-03	1.03E-03	9.68E-04	3.47E-07	1.05E-06	6.06E-07	6.21E-07	5.63E-07	2.57E-07	2.42E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.06E-08	1.88E-08	3.06E-07	3.16E-07	1.16E-07	1.58E-07	5.90E-08	3.16E-07	1.16E-07
2190	494311.1	3859802	1.35E-03	1.38E-03	1.30E-03	4.66E-07	1.41E-06	8.14E-07	8.34E-07	7.56E-07	3.45E-07	3.25E-07	0.00E+00	0.00E+00	1.50E-07	2.83E-08	1.80E-07	2.77E-08	2.52E-08	4.11E-07	4.25E-07	1.56E-07	2.12E-07	7.92E-08	4.25E-07	1.56E-07
2191	494361.1	3859802	1.32E-03	1.35E-03	1.28E-03	4.58E-07	1.38E-06	8.00E-07	8.20E-07	7.43E-07	3.39E-07	3.20E-07	0.00E+00	0.00E+00	1.47E-07	2.78E-08	1.77E-07	2.72E-08	2.48E-08	4.04E-07	4.17E-07	1.53E-07	2.08E-07	7.78E-08	4.17E-07	1.53E-07
2192	494411.1	3859802	1.30E-03	1.33E-03	1.25E-03	4.50E-07	1.36E-06	7.86E-07	8.05E-07	7.30E-07	3.33E-07	3.14E-07	0.00E+00	0.00E+00	1.45E-07	2.73E-08	1.73E-07	2.67E-08	2.43E-08	3.96E-07	4.10E-07	1.50E-07	2.05E-07	7.65E-08	4.10E-07	1.50E-07
2193	494461.1	3859802	1.30E-03	1.33E-03	1.25E-03	4.49E-07	1.36E-06	7.85E-07	8.04E-07	7.29E-07	3.33E-07	3.14E-07	0.00E+00	0.00E+00	1.44E-07	2.73E-08	1.73E-07	2.67E-08	2.43E-08	3.96E-07	4.09E-07	1.50E-07	2.04E-07	7.64E-08	4.09E-07	1.50E-07
2194	494511.1	3859802	1.30E-03	1.33E-03	1.25E-03	4.49E-07	1.36E-06	7.85E-07	8.04E-07	7.29E-07	3.33E-07	3.14E-07	0.00E+00	0.00E+00	1.44E-07	2.73E-08	1.73E-07	2.67E-08	2.43E-08	3.96E-07	4.09E-07	1.50E-07	2.04E-07	7.64E-08	4.09E-07	1.50E-07
2195	494561.1	3859802	1.28E-03	1.32E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.96E-07	7.21E-07	3.29E-07	3.10E-07	0.00E+00	0.00E+00	1.43E-07	2.70E-08	1.71E-07	2.64E-08	2.40E-08	3.92E-07	4.05E-07	1.49E-07	2.02E-07	7.56E-08	4.05E-07	1.49E-07
2196	494611.1	3859802	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.79E-07	7.06E-07	3.22E-07	3.04E-07	0.00E+00	0.00E+00	1.40E-07	2.65E-08	1.68E-07	2.59E-08	2.35E-08	3.84E-07	3.97E-07	1.46E-07	1.98E-07	7.40E-08	3.97E-07	1.46E-07
2197	494661.1	3859802	1.24E-03	1.27E-03	1.20E-03	4.30E-07	1.30E-06	7.52E-07	7.70E-07	6.98E-07	3.19E-07	3.00E-07	0.00E+00	0.00E+00	1.38E-07	2.61E-08	1.66E-07	2.56E-08	2.33E-08	3.79E-07	3.92E-07	1.44E-07	1.96E-07	7.32E-08	3.92E-07	1.44E-07
2198	494711.1	3859802	1.22E-03	1.25E-03	1.18E-03	4.24E-07	1.28E-06	7.41E-07	7.59E-07	6.88E-07	3.14E-07	2.96E-07	0.00E+00	0.00E+00	1.36E-07	2.58E-08	1.64E-07	2.52E-08	2.29E-08	3.74E-07	3.87E-07	1.42E-07	1.93E-07	7.21E-08	3.87E-07	1.42E-07
2199	494761.1	3859802	1.22E-03	1.25E-03	1.18E-03	4.24E-07	1.28E-06	7.40E-07	7.58E-07	6.87E-07	3.14E-07	2.96E-07	0.00E+00	0.00E+00	1.36E-07	2.57E-08	1.63E-07	2.52E-08	2.29E-08	3.73E-07	3.86E-07	1.42E-07	1.93E-07	7.20E-08	3.86E-07	1.42E-07
2200	494811.1	3859802	1.21E-03	1.24E-03	1.17E-03	4.19E-07	1.26E-06	7.32E-07	7.50E-07	6.80E-07	3.10E-07	2.93E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.49E-08	2.27E-08	3.69E-07	3.82E-07	1.40E-07	1.91E-07	7.12E-08	3.82E-07	1.40E-07
2201	494861.1	3859802	1.20E-03	1.23E-03	1.16E-03	4.15E-07	1.25E-06	7.26E-07	7.44E-07	6.74E-07	3.08E-07	2.90E-07	0.00E+00	0.00E+00	1.34E-07	2.52E-08	1.60E-07	2.47E-08	2.25E-08	3.66E-07	3.79E-07	1.39E-07	1.89E-07	7.06E-08	3.79E-07	1.39E-07
2202	494911.1	3859802	1.19E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.17E-07	7.34E-07	6.66E-07	3.04E-07	2.87E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.22E-08	3.62E-07	3.74E-07	1.37E-07	1.87E-07	6.98E-08	3.74E-07	1.37E-07
2203	494961.1	3859802	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	7.27E-07	6.59E-07	3.01E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.20E-08	3.58E-07	3.70E-07	1.36E-07	1.85E-07	6.91E-08	3.70E-07	1.36E-07
2204	495011.1	3859802	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	7.21E-07	6.53E-07	2.98E-07	2.81E-07	0.00E+00	0.00E+00	1.29E-07	2.45E-08	1.55E-07	2.39E-08	2.18E-08	3.55E-07	3.67E-07	1.35E-07	1.83E-07	6.85E-08	3.67E-07	1.35E-07
2205	495061.1	3859802	1.15E-03	1.18E-03	1.11E-03	3.99E-07	1.20E-06	6.97E-07	7.14E-07	6.48E-07	2.95E-07	2.79E-07	0.00E+00	0.00E+00	1.28E-07	2.42E-08	1.54E-07	2.37E-08	2.16E-08	3.52E-07	3.64E-07	1.33E-07	1.82E-07	6.79E-08	3.64E-07	1.33E-07
2206	495111.1	3859802	1.14E-03	1.17E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	7.07E-07	6.41E-07	2.92E-07	2.76E-07	0.00E+00	0.00E+00	1.27E-07	2.40E-08	1.52E-07	2.35E-08	2.14E-08	3.48E-07	3.60E-07	1.32E-07	1.80E-07	6.72E-08	3.60E-07	1.32E-07
2207	495161.1	3859802	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.99E-07	6.33E-07	2.89E-07	2.73E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.51E-07	2.32E-08	2.11E-08	3.44E-07	3.56E-07	1.31E-07	1.78E-07	6.64E-08	3.56E-07	1.31E-07
2208	495211.1	3859802	1.12E-03	1.15E-03	1.08E-03	3.87E-07	1.17E-06	6.77E-07	6.93E-07	6.28E-07	2.87E-07	2.70E-07	0.00E+00	0.00E+00	1.25E-07	2.35E-08	1.49E-07	2.30E-08	2.09E-08	3.41E-07	3.53E-07	1.30E-07	1.76E-07	6.59E-08	3.53E-07	1.30E-07
2209	495261.1	3859802	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.70E-07	6.86E-07	6.22E-07	2.84E-07	2.68E-07	0.00E+00	0.00E+00	1.23E-07	2.33E-08	1.48E-07	2.28E-08	2.07E-08	3.38E-07	3.49E-07	1.28E-07	1.74E-07	6.52E-08	3.49E-07	1.28E-07
2210	495311.1	3859802	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.65E-07	6.81E-07	6.18E-07	2.82E-07	2.66E-07	0.00E+00	0.00E+00	1.22E-07	2.31E-08	1.47E-07	2.26E-08	2.06E-08	3.36E-07	3.47E-07	1.27E-07	1.73E-07	6.47E-08	3.47E-07	1.27E-07
2211	495361.1	3859802	1.09E-03	1.11E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.74E-07	6.11E-07	2.79E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.29E-08	1.45E-07	2.24E-08	2.04E-08	3.32E-07	3.43E-07	1.26E-07	1.71E-07	6.40E-08	3.43E-07	1.26E-07
2212	495411.1	3859802	1.08E-03	1.10E-03	1.04E-03	3.72E-07	1.12E-06	6.51E-07	6.67E-07	6.04E-07	2.76E-07	2.60E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.44E-07	2.21E-08	2.01E-08	3.28E-07	3.40E-07	1.25E-07	1.69E-07	6.33E-08	3.40E-07	1.25E-07
2213	495461.1	3859802	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.11E-06	6.45E-07	6.60E-07	5.99E-07	2.73E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.24E-08	1.42E-07	2.19E-08	2.00E-08	3.25E-07	3.36E-07	1.23E-07	1.68E-07	6.27E-08	3.36E-07	1.23E-07

2214	495511.1	3859802	1.05E-03	1.08E-03	1.02E-03	3.64E-07	1.10E-06	6.37E-07	6.52E-07	5.91E-07	2.70E-07	2.54E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.17E-08	1.97E-08	3.21E-07	3.32E-07	1.22E-07	1.66E-07	6.19E-08	3.32E-07	1.22E-07
2215	495561.1	3859802	1.04E-03	1.07E-03	1.01E-03	3.61E-07	1.09E-06	6.31E-07	6.47E-07	5.86E-07	2.67E-07	2.52E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.15E-08	1.95E-08	3.18E-07	3.29E-07	1.21E-07	1.64E-07	6.14E-08	3.29E-07	1.21E-07
2216	495611.1	3859802	1.04E-03	1.06E-03	1.00E-03	3.60E-07	1.09E-06	6.29E-07	6.44E-07	5.84E-07	2.66E-07	2.51E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	1.95E-08	3.17E-07	3.28E-07	1.20E-07	1.64E-07	6.12E-08	3.28E-07	1.20E-07
2217	495661.1	3859802	1.03E-03	1.05E-03	9.91E-04	3.55E-07	1.07E-06	6.21E-07	6.36E-07	5.76E-07	2.63E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.16E-08	1.37E-07	2.11E-08	1.92E-08	3.13E-07	3.24E-07	1.19E-07	1.62E-07	6.04E-08	3.24E-07	1.19E-07
2218	494311.1	3859852	1.38E-03	1.41E-03	1.33E-03	4.77E-07	1.44E-06	8.33E-07	8.53E-07	7.74E-07	3.53E-07	3.33E-07	0.00E+00	0.00E+00	1.53E-07	2.90E-08	1.84E-07	2.83E-08	2.58E-08	4.20E-07	4.35E-07	1.59E-07	2.17E-07	8.11E-08	4.35E-07	1.59E-07
2219	494361.1	3859852	1.36E-03	1.39E-03	1.31E-03	4.70E-07	1.42E-06	8.22E-07	8.41E-07	7.63E-07	3.48E-07	3.28E-07	0.00E+00	0.00E+00	1.51E-07	2.86E-08	1.81E-07	2.79E-08	2.54E-08	4.14E-07	4.29E-07	1.57E-07	2.14E-07	7.99E-08	4.29E-07	1.57E-07
2220	494411.1	3859852	1.34E-03	1.37E-03	1.29E-03	4.63E-07	1.40E-06	8.09E-07	8.29E-07	7.51E-07	3.43E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.78E-07	2.75E-08	2.50E-08	4.08E-07	4.22E-07	1.55E-07	2.11E-07	7.87E-08	4.22E-07	1.55E-07
2221	494461.1	3859852	1.32E-03	1.35E-03	1.28E-03	4.57E-07	1.38E-06	7.99E-07	8.19E-07	7.42E-07	3.39E-07	3.19E-07	0.00E+00	0.00E+00	1.47E-07	2.78E-08	1.76E-07	2.72E-08	2.47E-08	4.03E-07	4.17E-07	1.53E-07	2.08E-07	7.78E-08	4.17E-07	1.53E-07
2222	494511.1	3859852	1.32E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.96E-07	8.15E-07	7.39E-07	3.37E-07	3.18E-07	0.00E+00	0.00E+00	1.46E-07	2.77E-08	1.76E-07	2.71E-08	2.46E-08	4.01E-07	4.15E-07	1.52E-07	2.07E-07	7.74E-08	4.15E-07	1.52E-07
2223	494561.1	3859852	1.31E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.95E-07	8.14E-07	7.38E-07	3.37E-07	3.18E-07	0.00E+00	0.00E+00	1.46E-07	2.76E-08	1.75E-07	2.70E-08	2.46E-08	4.01E-07	4.15E-07	1.52E-07	2.07E-07	7.73E-08	4.15E-07	1.52E-07
2224	494611.1	3859852	1.28E-03	1.32E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.96E-07	7.21E-07	3.29E-07	3.10E-07	0.00E+00	0.00E+00	1.43E-07	2.70E-08	1.71E-07	2.64E-08	2.40E-08	3.92E-07	4.05E-07	1.49E-07	2.02E-07	7.56E-08	4.05E-07	1.49E-07
2225	494661.1	3859852	1.28E-03	1.31E-03	1.23E-03	4.42E-07	1.33E-06	7.72E-07	7.91E-07	7.17E-07	3.27E-07	3.09E-07	0.00E+00	0.00E+00	1.42E-07	2.69E-08	1.70E-07	2.63E-08	2.39E-08	3.90E-07	4.03E-07	1.48E-07	2.01E-07	7.52E-08	4.03E-07	1.48E-07
2226	494711.1	3859852	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.60E-07	7.78E-07	7.06E-07	3.22E-07	3.04E-07	0.00E+00	0.00E+00	1.40E-07	2.64E-08	1.68E-07	2.59E-08	2.35E-08	3.83E-07	3.96E-07	1.45E-07	1.98E-07	7.39E-08	3.96E-07	1.45E-07
2227	494761.1	3859852	1.25E-03	1.28E-03	1.21E-03	4.34E-07	1.31E-06	7.58E-07	7.77E-07	7.04E-07	3.21E-07	3.03E-07	0.00E+00	0.00E+00	1.39E-07	2.64E-08	1.67E-07	2.58E-08	2.35E-08	3.82E-07	3.95E-07	1.45E-07	1.97E-07	7.38E-08	3.95E-07	1.45E-07
2228	494811.1	3859852	1.24E-03	1.27E-03	1.20E-03	4.29E-07	1.30E-06	7.50E-07	7.68E-07	6.96E-07	3.18E-07	3.00E-07	0.00E+00	0.00E+00	1.38E-07	2.61E-08	1.65E-07	2.55E-08	2.32E-08	3.78E-07	3.91E-07	1.44E-07	1.95E-07	7.30E-08	3.91E-07	1.44E-07
2229	494861.1	3859852	1.23E-03	1.26E-03	1.19E-03	4.27E-07	1.29E-06	7.46E-07	7.64E-07	6.92E-07	3.16E-07	2.98E-07	0.00E+00	0.00E+00	1.37E-07	2.59E-08	1.64E-07	2.54E-08	2.31E-08	3.76E-07	3.89E-07	1.43E-07	1.94E-07	7.25E-08	3.89E-07	1.43E-07
2230	494911.1	3859852	1.22E-03	1.25E-03	1.17E-03	4.21E-07	1.27E-06	7.36E-07	7.54E-07	6.83E-07	3.12E-07	2.94E-07	0.00E+00	0.00E+00	1.35E-07	2.56E-08	1.62E-07	2.50E-08	2.28E-08	3.71E-07	3.84E-07	1.41E-07	1.92E-07	7.16E-08	3.84E-07	1.41E-07
2231	494961.1	3859852	1.21E-03	1.23E-03	1.16E-03	4.17E-07	1.26E-06	7.30E-07	7.47E-07	6.77E-07	3.09E-07	2.92E-07	0.00E+00	0.00E+00	1.34E-07	2.54E-08	1.61E-07	2.48E-08	2.26E-08	3.68E-07	3.81E-07	1.40E-07	1.90E-07	7.10E-08	3.81E-07	1.40E-07
2232	495011.1	3859852	1.19E-03	1.22E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.40E-07	6.71E-07	3.06E-07	2.89E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.59E-07	2.46E-08	2.24E-08	3.64E-07	3.77E-07	1.38E-07	1.88E-07	7.03E-08	3.77E-07	1.38E-07
2233	495061.1	3859852	1.18E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.16E-07	7.34E-07	6.65E-07	3.03E-07	2.86E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.22E-08	3.61E-07	3.74E-07	1.37E-07	1.86E-07	6.97E-08	3.74E-07	1.37E-07
2234	495111.1	3859852	1.17E-03	1.20E-03	1.13E-03	4.05E-07	1.22E-06	7.07E-07	7.24E-07	6.57E-07	3.00E-07	2.83E-07	0.00E+00	0.00E+00	1.30E-07	2.46E-08	1.56E-07	2.41E-08	2.19E-08	3.57E-07	3.69E-07	1.35E-07	1.84E-07	6.88E-08	3.69E-07	1.35E-07
2235	495161.1	3859852	1.16E-03	1.19E-03	1.12E-03	4.01E-07	1.21E-06	7.00E-07	7.17E-07	6.50E-07	2.97E-07	2.80E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.17E-08	3.53E-07	3.65E-07	1.34E-07	1.82E-07	6.81E-08	3.65E-07	1.34E-07
2236	495211.1	3859852	1.15E-03	1.17E-03	1.11E-03	3.97E-07	1.20E-06	6.94E-07	7.11E-07	6.44E-07	2.94E-07	2.77E-07	0.00E+00	0.00E+00	1.28E-07	2.41E-08	1.53E-07	2.36E-08	2.15E-08	3.50E-07	3.62E-07	1.33E-07	1.81E-07	6.75E-08	3.62E-07	1.33E-07
2237	495261.1	3859852	1.13E-03	1.16E-03	1.10E-03	3.93E-07	1.19E-06	6.87E-07	7.03E-07	6.38E-07	2.91E-07	2.74E-07	0.00E+00	0.00E+00	1.26E-07	2.39E-08	1.51E-07	2.34E-08	2.12E-08	3.46E-07	3.58E-07	1.31E-07	1.79E-07	6.68E-08	3.58E-07	1.31E-07
2238	495311.1	3859852	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.81E-07	6.98E-07	6.33E-07	2.89E-07	2.72E-07	0.00E+00	0.00E+00	1.25E-07	2.37E-08	1.50E-07	2.32E-08	2.11E-08	3.44E-07	3.55E-07	1.30E-07	1.77E-07	6.63E-08	3.55E-07	1.30E-07
2239	495361.1	3859852	1.12E-03	1.14E-03	1.08E-03	3.86E-07	1.17E-06	6.75E-07	6.91E-07	6.27E-07	2.86E-07	2.70E-07	0.00E+00	0.00E+00	1.24E-07	2.35E-08	1.49E-07	2.30E-08	2.09E-08	3.40E-07	3.52E-07	1.29E-07	1.76E-07	6.57E-08	3.52E-07	1.29E-07
2240	495411.1	3859852	1.10E-03	1.13E-03	1.07E-03	3.82E-07	1.15E-06	6.68E-07	6.84E-07	6.20E-07	2.83E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.07E-08	3.37E-07	3.48E-07	1.28E-07	1.74E-07	6.50E-08	3.48E-07	1.28E-07
2241	495461.1	3859852	1.09E-03	1.12E-03	1.06E-03	3.78E-07	1.14E-06	6.61E-07	6.77E-07	6.14E-07	2.80E-07	2.64E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.04E-08	3.33E-07	3.45E-07	1.26E-07	1.72E-07	6.43E-08	3.45E-07	1.26E-07
2242	495511.1	3859852	1.08E-03	1.10E-03	1.04E-03	3.73E-07	1.13E-06	6.53E-07	6.69E-07	6.06E-07	2.77E-07	2.61E-07	0.00E+00	0.00E+00	1.20E-07	2.27E-08	1.44E-07	2.22E-08	2.02E-08	3.29E-07	3.41E-07	1.25E-07	1.70E-07	6.35E-08	3.41E-07	1.25E-07
2243	495561.1	3859852	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.48E-07	6.64E-07	6.02E-07	2.75E-07	2.59E-07	0.00E+00	0.00E+00	1.19E-07	2.25E-08	1.43E-07	2.21E-08	2.01E-08	3.27E-07	3.38E-07	1.24E-07	1.69E-07	6.31E-08	3.38E-07	1.24E-07
2244	495611.1	3859852	1.06E-03	1.09E-03	1.03E-03	3.68E-07	1.11E-06	6.44E-07	6.59E-07	5.98E-07	2.73E-07	2.57E-07	0.00E+00	0.00E+00	1.18E-07	2.24E-08	1.42E-07	2.19E-08	1.99E-08	3.25E-07	3.36E-07	1.23E-07	1.68E-07	6.26E-08	3.36E-07	1.23E-07
2245	495661.1	3859852	1.05E-03	1.08E-03	1.02E-03	3.64E-07	1.10E-06	6.37E-07	6.52E-07	5.91E-07	2.70E-07	2.54E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.17E-08	1.97E-08	3.21E-07	3.32E-07	1.22E-07	1.66E-07	6.19E-08	3.32E-07	1.22E-07
2246	494311.1	3859902	1.41E-03	1.44E-03	1.36E-03	4.87E-07	1.47E-06	8.52E-07	8.73E-07	7.91E-07	3.61E-07	3.40E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.90E-08	2.64E-08	4.30E-07	4.44E-07	1.63E-07	2.22E-07	8.29E-08	4.44E-07	1.63E-07
2247	494361.1	3859902	1.38E-03	1.41E-03	1.33E-03	4.77E-07	1.44E-06	8.34E-07	8.54E-07	7.74E-07	3.53E-07	3.33E-07	0.00E+00	0.00E+00	1.53E-07	2.90E-08	1.84E-07	2.84E-08	2.58E-08	4.21E-07	4.35E-07	1.60E-07	2.17E-07	8.11E-08	4.35E-07	1.60E-07
2248	494411.1	3859902	1.37E-03	1.40E-03	1.32E-03	4.74E-07	1.43E-06	8.29E-07	8.49E-07	7.69E-07	3.51E-07	3.31E-07	0.00E+00	0.00E+00	1.52E-07	2.88E-08	1.83E-07	2.82E-08	2.56E-08	4.18E-07	4.32E-07	1.59E-07	2.16E-07	8.06E-08	4.32E-07	1.59E-07
2249	494461.1	3859902	1.35E-03	1.39E-03	1.31E-03	4.69E-07	1.42E-06	8.20E-07	8.40E-07	7.61E-07	3.47E-07	3.28E-07	0.00E+00	0.00E+00	1.51E-07	2.85E-08	1.81E-07	2.79E-08	2.54E-08	4.13E-07	4.28E-07	1.57E-07	2.13E-07	7.98E-08	4.28E-07	1.57E-07
2250	494511.1	3859902	1.34E-03	1.38E-03	1.30E-03	4.65E-07	1.41E-06	8.14E-07	8.33E-07	7.55E-07	3.45E-07	3.25E-07	0.00E+00	0.00E+00	1.50E-07	2.83E-08	1.79E-07	2.77E-08	2.52E-08	4.10E-07	4.24E-07	1.56E-07	2.12E-07	7.91E-08	4.24E-07	1.56E-07
2251	494561.1	3859902	1.35E-03	1.38E-03	1.30E-03	4.66E-07	1.41E-06	8.14E-07	8.34E-07	7.56E-07	3.45E-07	3.25E-07	0.00E+00	0.00E+00	1.50E-07	2.83E-08	1.80E-07	2.77E-08	2.52E-08	4.11E-07	4.25E-07	1.56E-07	2.12E-07	7.92E-08	4.25E-07	1.56E-07
2252	494611.1	3859902	1.32E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.96E-07	8.15E-07	7.39E-07	3.37E-07	3.18E-07	0.00E+00	0.00E+00	1.46E-07	2.77E-08	1.76E-07	2.71E-08	2.46E-08	4.01E-07	4.15E-07	1.52E-07	2.07E-07	7.74E-08	4.15E-07	1.52E-07
2253	494661.1	3859902	1.31E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.95E-07	8.14E-07	7.38E-07	3.37E-07	3.18E-07	0.00E+00	0.00E+00	1.46E-07	2.76E-08	1.75E-07	2.70E-08	2.46E-08	4.01E-07	4.15E-07	1.52E-07	2.07E-07	7.73E-08	4.15E-07	1.52E-07
2254	494711.1	3859902	1.28E-03	1.32E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.96E-07	7.21E-07	3.29E-07	3.10E-07	0.00E+00	0.00E+00	1.43E-07	2.70E-08	1.71E-07	2.64E-08	2.40E-08	3.92E-07	4.05E-07	1.49E-07	2.02E-07	7.56E-08	4.05E-07	1.49E-07
2255	494761.1	3859902	1.28E-03	1.31E-03	1.24E-03	4.43E-07	1.34E-06	7.74E-07	7.93E-07	7.19E-07	3.28E-07	3.09E-07	0.00E+00	0.00E+00	1.42E-07	2.69E-08	1.71E-07	2.63E-08	2.40E-08	3.90E-07	4.04E-07	1.48E-07	2.02E-07	7.53E-08	4.04E-07	1.48E-07
2256	494811.1	3859902	1.27E-03	1.30E-03	1.23E-03	4.41E-07	1.33E-06	7.71E-07	7.89E-07	7.16E-07	3.26E-07	3.08E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.38E-08	3.89E-07	4.02E-07	1.47E-07	2.01E-07	7.50E-08	4.02E-07	1.47E-07
2257	494861.1	3859902	1.26E-03	1.30E-03	1.22E-03	4.38E-07	1.32E-06	7.65E-07	7.84E-07	7.11E-07	3.24E-07	3.06E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.60E-08	2.37E-08	3.86E-07	3.99E-07	1.46E-07	1.99E-07	7.45E-08	3.99E-07	1.46E-07
2258	494911.1	3859902	1.25E-03	1.28E-03	1.21E-03	4.32E-07	1.31E-06	7.55E-07	7.74E-07	7.01E-07	3.20E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.63E-08	1.67E-07	2.57E-08	2.34E-08	3.81E-07	3.94E-07	1.45E-07	1.97E-07	7.35E-08	3.94E-07	1.45E-07
2259	494961.1	3859902	1.24E-03	1.27E-03	1.20E-03	4.29E-07	1.29E-06	7.49E-07	7.67E-07	6.96E-07	3.17E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.60E-08	1.65E-07	2.55E-08	2.32E-08	3.78E-07	3.91E-07	1.43E-07	1.95E-07	7.29E-08	3.91E-07	1.43E-07
2260	495011.1	3859902	1.22E-03	1.25E-03	1.18E-03	4.24E-07	1.28E-06	7.41E-07	7.59E-07	6.88E-07	3.14E-07	2.96E-07	0.00E+00	0.00E+00	1.36E-07	2.58E-08	1.64E-07	2.52E-08	2.29E-08	3.74E-07	3.87E-07	1.42E-07	1.93E-07	7.21E-08	3.87E-07	1.42E-07
2261	495061.1	3859902	1.21E-03	1.24E-03	1.17E-03	4.19E-07	1.27E-06	7.33E-07	7.51E-07	6.81E-07	3.11E-07	2.93E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.49E-08	2.27E-08	3.70E-07	3.82E-07	1.40E-07	1.91E-07	7.13E-08	3.82E-07	1.40E-07
2262	495111.1	3859902	1.20E-03	1.23E-03	1.16E-03	4.14E-07	1.25E-06	7.24E-07	7.42E-07	6.72E-07	3.07E-07	2.89E-07	0.00E+00	0.00E+00	1.33E-07	2.52E-08	1.60E-07	2.46E-08	2.24E-08	3.65E-07	3.78E-07	1.39E-07	1.89E-07	7.05E-08	3.78E-07	1.39E-07
2263	495161.1	3859902	1.18E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.16E-07	7.34E-07	6.65E-07	3.03E-07	2.86E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.22E-08	3.61E-07	3.74E-07	1.37E-07	1.86E-07	6.97E-08	3.74E-07	1.37E-07
2264	495211.1	3859902	1.17E-03	1.20E-03	1.13E-03	4.07E-07	1.23E-06	7.11E-07	7.28E-07	6.60E-07	3.01E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.20E-08	3.58E-07	3.71E-07	1.36E-07	1.85E-07	6.92E-08	3.71E-07	1.36E-07
2265	495261.1	3859902	1.16E-03	1.19E-03	1.12E-03	4.02E-07	1.21E-06	7.02E-07	7.19E-07	6.52E-07	2.97E-07	2.80E-07	0.00E+00	0.00E+00	1.29E-07	2.44E-08	1.55E-07	2.39E-08	2.17E-08	3.54E-07	3.66E-07	1.34E-07	1.83E-07	6.83E-08	3.66E-07	1.34E-07
2266	495311.1	3859902	1.15E-03	1.18E-03	1.11E-03	3.98E-07	1.20E-06	6.97E-07	7.13E-07	6.47E-07	2.95E-07	2.78E-07	0.00E+00	0.00E+00	1.28E-07	2.42E-08	1.54E-07	2.37E-08	2.16E-08	3.51E-07	3.63E-07	1.33E-07	1.81E-07	6.78E-08	3.63E-07	1.33E-07
2267	495361.1	3859902	1.14E-03	1.17E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	7.07E-07	6.41E-07	2.92E-07	2.76E-07	0.00E+00	0.00E+00	1.27E-07	2.40E-08	1.52E-07	2.35E-08	2.14E-08	3.48E-07	3.60E-07	1.32E-07	1.80E-07	6.72E-08	3.60E-07	1.32E-07
2268	495411.1	3859902	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.99E-07	6.33E-07	2.89E-07	2.73E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.51E-07	2.32E-08	2.11E-08	3.44E-07	3.56E-07	1.31E-07	1.78E-07	6.64E-08	3.56E-07	1.31E-07
2269	495461.1	3859902	1.12E-03	1.14E-03	1.08E-03	3.86E-07	1.17E-06	6.75E-07	6.91E-07	6.27E-07	2.86E-07	2.70E-07	0.00E+00	0.00E+00	1.24E-07	2.35E-08	1.49E-07	2.30E-08	2.09E-08	3.40E-07	3.52E-07	1.29E-07	1.76E-07	6.57E-08	3.52E-07	1.29E-07
2270	495511.1	3859902	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.70E-07	6.86E-07	6.22E-07	2.84E-07	2.68E-07	0.00E+00	0.00E+00	1.23E-07	2.33E-08	1.48E-07	2.28E-08	2.07E-08	3.38E-07	3.49E-07	1.28E-07	1.74E-07	6.52E-08	3.49E-07	1.28E-07
2271	495561.1	3859902	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.65E-07	6.81E-07	6.18E-07	2.82E-07	2.66E-07	0.00E+00	0.00E+00	1.22E-07	2.31E-08	1.47E-07	2.26E-08	2.06E-08	3.36E-07	3.47E-07	1.27E-07	1.73E-07	6.47E-08	3.47E-07	1.27E-07
2272	495611.1	3859902	1.09E-03	1.11E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.74E-07	6.11E-07	2.79E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.29E-08	1.45E-07	2.24E-08	2.04E-08	3.32E-07	3.43E-07	1.26E-07	1.71E-07	6.40E-08	3.43E-07	1.26E-07
2273	495661.1	3859902	1.08E-03	1.10E-03	1.04E-03	3.72E-07	1.12E-06	6.51E-07	6.67E-07	6.04E-07	2.76E-07	2.60E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.44E-07	2.21E-08	2.01E-08	3.28E-07	3.40E-07	1.25E-07	1.69E-07	6.33E-08	3.40E-07	1.25E-07
2274	494311.1	3859952	1.44E-03	1.48E-03	1.39E-03	5.00E-07	1.51E-06	8.73E-07	8.95E-07	8.11E-07	3.70E-07	3.49E-07	0.00E+00	0.00E+00	1.61E-07	3.04E-08	1.93E-07	2.97E-08	2.70E-08	4.40E-07	4.56E-07	1.67E-07	2.27E-07	8.50E-08	4.56E-07	1.67E-07
2275	494361.1	3859952	1.42E-03	1.46E-03	1.37E-03	4.92E-07	1.49E-06	8.60E-07	8.81E-07	7.98E-07	3.64E-07	3.44E-07	0.00E+00	0.00E+00	1.58E-07	2.99E-08	1.90E-07	2.93E-08	2.66E-08	4.34E-07	4.49E-07	1.65E-07	2.24E-07	8.37E-08	4.49E-07	1.65E-07
2276	494411.1	3859952	1.40E-03	1.44E-03	1.36E-03	4.86E-07	1.47E-06	8.49E-07	8.70E-07	7.88E-07	3.60E-07	3.39E-07	0.00E+00	0.00E+00	1.56E-07	2.95E-08	1.87E-07	2.89E-08	2.63E-08	4.28E-07	4.43E-07	1.62E-07	2.21E-07	8.26E-08	4.43E-07	1.62E-07
2277	494461.1	3859952	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.60E-07	7.79E-07	3.56E-07	3.35E-07	0.00E+00	0.00E+00	1.54E-07	2.92E-08	1.85E-07	2.86E-08	2.60E-08	4.23E-07	4.38E-07	1.61E-07	2.19E-07	8.17E-08	4.38E-07	1.61E-07
2278	494511.1	3859952	1.38E-03	1.41E-03	1.33E-03	4.77E-07	1.44E-06	8.33E-07	8.53E-07	7.74E-07	3.53E-07	3.33E-07	0.00E+00	0.00E+00	1.53E-07	2.90E-08	1.84E-07	2.83E-08	2.58E-08	4.20E-07	4.35E-07	1.59E-07	2.17E-07	8.11E-08	4.35E-07	1.59E-07
2279	494561.1	3859952	1.38E-03	1.42E-03	1.34E-03	4.79E-07	1.45E-06	8.37E-07	8.57E-07	7.77E-07	3.54E-07	3.34E-07	0.00E+00	0.00E+00	1.54E-07	2.91E-08	1.85E-07	2.85E-08	2.59E-08	4.22E-07	4.36E-07	1.60E-07	2.18E-07	8.14E-08	4.36E-07	1.60E-07
2280	494611.1	3859952	1.35E-03	1.39E-03	1.31E-03	4.68E-07	1.41E-06	8.19E-07	8.39E-07	7.60E-07	3.47E-07	3.27E-07	0.00E+00	0.00E+00	1.51E-07	2.85E-08	1.81E-07	2.79E-08	2.53E-08	4.13E-07	4.27E-07	1.57E-07	2.13E-07	7.97E-08	4.27E-07	1.57E-07
2281	494661.1	3859952	1.35E-03	1.38E-03	1.31E-03	4.68E-07	1.41E-06	8.18E-07	8.38E-07	7.59E-07	3.47E-07	3.27E-07	0.00E+00	0.00E+00	1.50E-07	2.84E-08	1.80E-07	2.78E-08	2.53E-08	4.13E-07	4.27E-07	1.56E-07	2.13E-07	7.96E-08	4.27E-07	1.56E-07
2282	494711.1	3859952	1.33E-03	1.36E-03	1.28E-03	4.59E-07	1.39E-06	8.02E-07	8.21E-07	7.45E-07	3.40E-07	3.20E-07	0.00E+00	0.00E+00	1.48E-07	2.79E-08	1.77E-07	2.73E-08	2.48E-08	4.04E-07	4.18E-07	1.53E-07	2.09E-07	7.80E-08	4.18E-07	1.53E-07
2283	494761.1	3859952	1.32E-03	1.35E-03	1.27E-03	4.56E-07	1.38E-06	7.97E-07	8.16E-07	7.40E-07	3.37E-07	3.18E-07	0.00E+00	0.00E+00	1.47E-07	2.77E-08	1.76E-07	2.71E-08	2.46E-08	4.02E-07	4.16E-07	1.52E-07	2.07E-07	7.75E-08	4.16E-07	1.52E-07
2284	494811.1	3859952	1.30E-03	1.34E-03	1.26E-03	4.52E-07	1.36E-06	7.89E-07	8.09E-07	7.33E-07	3.34E-07	3.15E-07	0.00E+00	0.00E+00	1.45E-07	2.74E-08	1.74E-07	2.69E-08	2.44E-08	3.98E-07	4.12E-07	1.51E-07	2.06E-07	7.68E-08	4.12E-07	1.51E-07
2285	494861.1	3859952	1.30E-03	1.33E-03	1.25E-03	4.50E-07	1.36E-06	7.86E-07	8.05E-07	7.30E-07	3.33E-07	3.14E-07	0.00E+00	0.00E+00	1.45E-07	2.73E-08	1.73E-07	2.67E-08	2.43E-08	3.96E-07	4.10E-07	1.50E-07	2.05E-07	7.65E-08	4.10E-07	1.50E-07
2286	494911.1	3859952	1.28E-03	1.31E-03	1.24E-03	4.43E-07	1.34E-06	7.75E-07	7.94E-07	7.20E-07	3.28E-07	3.10E-07	0.00E+00	0.00E+00	1.43E-07	2.69E-08	1.71E-07	2.64E-08	2.40E-08	3.91E-07	4.04E-07	1.48E-07	2.02E-07	7.54E-08	4.04E-07	1.48E-07
2287	494961.1	3859952	1.27E-03	1.30E-03	1.22E-03	4.38E-07	1.32E-06	7.66E-07	7.85E-07	7.11E-07	3.25E-07	3.06E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.61E-08	2.37E-08	3.86E-07	4.00E-07	1.47E-07	1.99E-07	7.45E-08	4.00E-07	1.47E-07

2288	495011.1	3859952	1.25E-03	1.28E-03	1.21E-03	4.34E-07	1.31E-06	7.58E-07	7.77E-07	7.04E-07	3.21E-07	3.03E-07	0.00E+00	0.00E+00	1.39E-07	2.64E-08	1.67E-07	2.58E-08	2.35E-08	3.82E-07	3.95E-07	1.45E-07	1.97E-07	7.38E-08	3.95E-07	1.45E-07
2289	495061.1	3859952	1.24E-03	1.27E-03	1.20E-03	4.30E-07	1.30E-06	7.51E-07	7.69E-07	6.97E-07	3.18E-07	3.00E-07	0.00E+00	0.00E+00	1.38E-07	2.61E-08	1.66E-07	2.55E-08	2.32E-08	3.79E-07	3.92E-07	1.44E-07	1.96E-07	7.31E-08	3.92E-07	1.44E-07
2290	495111.1	3859952	1.22E-03	1.25E-03	1.18E-03	4.24E-07	1.28E-06	7.41E-07	7.59E-07	6.88E-07	3.14E-07	2.96E-07	0.00E+00	0.00E+00	1.36E-07	2.58E-08	1.64E-07	2.52E-08	2.29E-08	3.74E-07	3.87E-07	1.42E-07	1.93E-07	7.21E-08	3.87E-07	1.42E-07
2291	495161.1	3859952	1.21E-03	1.24E-03	1.17E-03	4.19E-07	1.26E-06	7.32E-07	7.50E-07	6.80E-07	3.10E-07	2.93E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.49E-08	2.27E-08	3.69E-07	3.82E-07	1.40E-07	1.91E-07	7.12E-08	3.82E-07	1.40E-07
2292	495211.1	3859952	1.20E-03	1.23E-03	1.16E-03	4.14E-07	1.25E-06	7.24E-07	7.42E-07	6.72E-07	3.07E-07	2.89E-07	0.00E+00	0.00E+00	1.33E-07	2.52E-08	1.60E-07	2.46E-08	2.24E-08	3.65E-07	3.78E-07	1.39E-07	1.89E-07	7.05E-08	3.78E-07	1.39E-07
2293	495261.1	3859952	1.19E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.17E-07	7.34E-07	6.66E-07	3.04E-07	2.87E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.22E-08	3.62E-07	3.74E-07	1.37E-07	1.87E-07	6.98E-08	3.74E-07	1.37E-07
2294	495311.1	3859952	1.18E-03	1.21E-03	1.14E-03	4.08E-07	1.23E-06	7.14E-07	7.31E-07	6.62E-07	3.02E-07	2.85E-07	0.00E+00	0.00E+00	1.31E-07	2.48E-08	1.57E-07	2.43E-08	2.21E-08	3.60E-07	3.72E-07	1.37E-07	1.86E-07	6.94E-08	3.72E-07	1.37E-07
2295	495361.1	3859952	1.17E-03	1.20E-03	1.13E-03	4.05E-07	1.22E-06	7.07E-07	7.24E-07	6.57E-07	3.00E-07	2.83E-07	0.00E+00	0.00E+00	1.30E-07	2.46E-08	1.56E-07	2.41E-08	2.19E-08	3.57E-07	3.69E-07	1.35E-07	1.84E-07	6.88E-08	3.69E-07	1.35E-07
2296	495411.1	3859952	1.16E-03	1.18E-03	1.12E-03	4.00E-07	1.21E-06	6.99E-07	7.16E-07	6.49E-07	2.96E-07	2.79E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.16E-08	3.53E-07	3.65E-07	1.34E-07	1.82E-07	6.80E-08	3.65E-07	1.34E-07
2297	495461.1	3859952	1.14E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.92E-07	7.09E-07	6.43E-07	2.93E-07	2.77E-07	0.00E+00	0.00E+00	1.27E-07	2.41E-08	1.53E-07	2.35E-08	2.14E-08	3.49E-07	3.61E-07	1.32E-07	1.80E-07	6.73E-08	3.61E-07	1.32E-07
2298	495511.1	3859952	1.13E-03	1.16E-03	1.09E-03	3.92E-07	1.18E-06	6.85E-07	7.02E-07	6.36E-07	2.90E-07	2.74E-07	0.00E+00	0.00E+00	1.26E-07	2.38E-08	1.51E-07	2.33E-08	2.12E-08	3.45E-07	3.57E-07	1.31E-07	1.78E-07	6.66E-08	3.57E-07	1.31E-07
2299	495561.1	3859952	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.99E-07	6.33E-07	2.89E-07	2.73E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.51E-07	2.32E-08	2.11E-08	3.44E-07	3.56E-07	1.31E-07	1.78E-07	6.64E-08	3.56E-07	1.31E-07
2300	495611.1	3859952	1.11E-03	1.14E-03	1.08E-03	3.86E-07	1.16E-06	6.74E-07	6.91E-07	6.26E-07	2.86E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.09E-08	3.40E-07	3.52E-07	1.29E-07	1.76E-07	6.56E-08	3.52E-07	1.29E-07
2301	495661.1	3859952	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.66E-07	6.82E-07	6.19E-07	2.82E-07	2.66E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.06E-08	3.36E-07	3.47E-07	1.27E-07	1.73E-07	6.48E-08	3.47E-07	1.27E-07
2302	494311.1	3860002	1.48E-03	1.51E-03	1.43E-03	5.12E-07	1.55E-06	8.95E-07	9.16E-07	8.31E-07	3.79E-07	3.58E-07	0.00E+00	0.00E+00	1.65E-07	3.11E-08	1.97E-07	3.04E-08	2.77E-08	4.51E-07	4.67E-07	1.71E-07	2.33E-07	8.71E-08	4.67E-07	1.71E-07
2303	494361.1	3860002	1.46E-03	1.50E-03	1.41E-03	5.06E-07	1.53E-06	8.84E-07	9.05E-07	8.21E-07	3.75E-07	3.53E-07	0.00E+00	0.00E+00	1.63E-07	3.07E-08	1.95E-07	3.01E-08	2.74E-08	4.46E-07	4.61E-07	1.69E-07	2.30E-07	8.60E-08	4.61E-07	1.69E-07
2304	494411.1	3860002	1.44E-03	1.47E-03	1.39E-03	4.97E-07	1.50E-06	8.69E-07	8.90E-07	8.07E-07	3.68E-07	3.47E-07	0.00E+00	0.00E+00	1.60E-07	3.02E-08	1.92E-07	2.96E-08	2.69E-08	4.38E-07	4.53E-07	1.66E-07	2.26E-07	8.45E-08	4.53E-07	1.66E-07
2305	494461.1	3860002	1.42E-03	1.46E-03	1.38E-03	4.93E-07	1.49E-06	8.62E-07	8.83E-07	8.00E-07	3.65E-07	3.44E-07	0.00E+00	0.00E+00	1.59E-07	3.00E-08	1.90E-07	2.93E-08	2.67E-08	4.35E-07	4.50E-07	1.65E-07	2.24E-07	8.38E-08	4.50E-07	1.65E-07
2306	494511.1	3860002	1.41E-03	1.44E-03	1.36E-03	4.86E-07	1.47E-06	8.50E-07	8.71E-07	7.89E-07	3.60E-07	3.40E-07	0.00E+00	0.00E+00	1.56E-07	2.96E-08	1.88E-07	2.89E-08	2.63E-08	4.29E-07	4.43E-07	1.63E-07	2.21E-07	8.27E-08	4.43E-07	1.63E-07
2307	494561.1	3860002	1.42E-03	1.45E-03	1.37E-03	4.91E-07	1.48E-06	8.58E-07	8.79E-07	7.97E-07	3.64E-07	3.43E-07	0.00E+00	0.00E+00	1.58E-07	2.98E-08	1.89E-07	2.92E-08	2.66E-08	4.33E-07	4.48E-07	1.64E-07	2.23E-07	8.35E-08	4.48E-07	1.64E-07
2308	494611.1	3860002	1.40E-03	1.43E-03	1.35E-03	4.84E-07	1.46E-06	8.46E-07	8.66E-07	7.85E-07	3.58E-07	3.38E-07	0.00E+00	0.00E+00	1.56E-07	2.94E-08	1.87E-07	2.88E-08	2.62E-08	4.26E-07	4.41E-07	1.62E-07	2.20E-07	8.23E-08	4.41E-07	1.62E-07
2309	494661.1	3860002	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.60E-07	7.79E-07	3.56E-07	3.35E-07	0.00E+00	0.00E+00	1.54E-07	2.92E-08	1.85E-07	2.86E-08	2.60E-08	4.23E-07	4.38E-07	1.61E-07	2.19E-07	8.17E-08	4.38E-07	1.61E-07
2310	494711.1	3860002	1.35E-03	1.38E-03	1.30E-03	4.67E-07	1.41E-06	8.16E-07	8.36E-07	7.58E-07	3.46E-07	3.26E-07	0.00E+00	0.00E+00	1.50E-07	2.84E-08	1.80E-07	2.78E-08	2.53E-08	4.12E-07	4.26E-07	1.56E-07	2.13E-07	7.94E-08	4.26E-07	1.56E-07
2311	494761.1	3860002	1.35E-03	1.38E-03	1.30E-03	4.67E-07	1.41E-06	8.17E-07	8.37E-07	7.59E-07	3.46E-07	3.27E-07	0.00E+00	0.00E+00	1.50E-07	2.84E-08	1.80E-07	2.78E-08	2.53E-08	4.12E-07	4.26E-07	1.56E-07	2.13E-07	7.95E-08	4.26E-07	1.56E-07
2312	494811.1	3860002	1.34E-03	1.37E-03	1.30E-03	4.64E-07	1.40E-06	8.12E-07	8.31E-07	7.54E-07	3.44E-07	3.24E-07	0.00E+00	0.00E+00	1.49E-07	2.82E-08	1.79E-07	2.76E-08	2.51E-08	4.09E-07	4.23E-07	1.55E-07	2.11E-07	7.90E-08	4.23E-07	1.55E-07
2313	494861.1	3860002	1.34E-03	1.37E-03	1.29E-03	4.62E-07	1.40E-06	8.08E-07	8.28E-07	7.50E-07	3.42E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.78E-07	2.75E-08	2.50E-08	4.08E-07	4.22E-07	1.55E-07	2.10E-07	7.86E-08	4.22E-07	1.55E-07
2314	494911.1	3860002	1.30E-03	1.33E-03	1.26E-03	4.51E-07	1.36E-06	7.88E-07	8.07E-07	7.31E-07	3.34E-07	3.15E-07	0.00E+00	0.00E+00	1.45E-07	2.74E-08	1.74E-07	2.68E-08	2.44E-08	3.97E-07	4.11E-07	1.51E-07	2.05E-07	7.66E-08	4.11E-07	1.51E-07
2315	494961.1	3860002	1.29E-03	1.33E-03	1.25E-03	4.48E-07	1.35E-06	7.83E-07	8.02E-07	7.27E-07	3.32E-07	3.13E-07	0.00E+00	0.00E+00	1.44E-07	2.72E-08	1.73E-07	2.66E-08	2.42E-08	3.95E-07	4.09E-07	1.50E-07	2.04E-07	7.62E-08	4.09E-07	1.50E-07
2316	495011.1	3860002	1.28E-03	1.31E-03	1.24E-03	4.43E-07	1.34E-06	7.74E-07	7.93E-07	7.19E-07	3.28E-07	3.09E-07	0.00E+00	0.00E+00	1.42E-07	2.69E-08	1.71E-07	2.63E-08	2.40E-08	3.90E-07	4.04E-07	1.48E-07	2.02E-07	7.53E-08	4.04E-07	1.48E-07
2317	495061.1	3860002	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.70E-07	7.88E-07	7.15E-07	3.26E-07	3.08E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.38E-08	3.88E-07	4.02E-07	1.47E-07	2.00E-07	7.49E-08	4.02E-07	1.47E-07
2318	495111.1	3860002	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.60E-07	7.78E-07	7.06E-07	3.22E-07	3.04E-07	0.00E+00	0.00E+00	1.40E-07	2.64E-08	1.68E-07	2.59E-08	2.35E-08	3.83E-07	3.96E-07	1.45E-07	1.98E-07	7.39E-08	3.96E-07	1.45E-07
2319	495161.1	3860002	1.24E-03	1.27E-03	1.20E-03	4.30E-07	1.30E-06	7.51E-07	7.69E-07	6.97E-07	3.18E-07	3.00E-07	0.00E+00	0.00E+00	1.38E-07	2.61E-08	1.66E-07	2.55E-08	2.32E-08	3.79E-07	3.92E-07	1.44E-07	1.96E-07	7.31E-08	3.92E-07	1.44E-07
2320	495211.1	3860002	1.23E-03	1.26E-03	1.19E-03	4.27E-07	1.29E-06	7.47E-07	7.65E-07	6.93E-07	3.16E-07	2.98E-07	0.00E+00	0.00E+00	1.37E-07	2.60E-08	1.65E-07	2.54E-08	2.31E-08	3.76E-07	3.89E-07	1.43E-07	1.94E-07	7.26E-08	3.89E-07	1.43E-07
2321	495261.1	3860002	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.56E-07	6.86E-07	3.13E-07	2.95E-07	0.00E+00	0.00E+00	1.36E-07	2.57E-08	1.63E-07	2.51E-08	2.29E-08	3.72E-07	3.85E-07	1.41E-07	1.92E-07	7.19E-08	3.85E-07	1.41E-07
2322	495311.1	3860002	1.21E-03	1.24E-03	1.17E-03	4.19E-07	1.26E-06	7.32E-07	7.50E-07	6.80E-07	3.10E-07	2.93E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.49E-08	2.27E-08	3.69E-07	3.82E-07	1.40E-07	1.91E-07	7.12E-08	3.82E-07	1.40E-07
2323	495361.1	3860002	1.19E-03	1.22E-03	1.15E-03	4.12E-07	1.24E-06	7.21E-07	7.38E-07	6.69E-07	3.05E-07	2.88E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.59E-07	2.45E-08	2.23E-08	3.63E-07	3.76E-07	1.38E-07	1.88E-07	7.01E-08	3.76E-07	1.38E-07
2324	495411.1	3860002	1.19E-03	1.22E-03	1.15E-03	4.11E-07	1.24E-06	7.18E-07	7.35E-07	6.67E-07	3.04E-07	2.87E-07	0.00E+00	0.00E+00	1.32E-07	2.50E-08	1.58E-07	2.44E-08	2.22E-08	3.62E-07	3.75E-07	1.37E-07	1.87E-07	6.99E-08	3.75E-07	1.37E-07
2325	495461.1	3860002	1.17E-03	1.20E-03	1.13E-03	4.07E-07	1.23E-06	7.11E-07	7.28E-07	6.60E-07	3.01E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.20E-08	3.58E-07	3.71E-07	1.36E-07	1.85E-07	6.92E-08	3.71E-07	1.36E-07
2326	495511.1	3860002	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	7.21E-07	6.53E-07	2.98E-07	2.81E-07	0.00E+00	0.00E+00	1.29E-07	2.45E-08	1.55E-07	2.39E-08	2.18E-08	3.55E-07	3.67E-07	1.35E-07	1.83E-07	6.85E-08	3.67E-07	1.35E-07
2327	495561.1	3860002	1.16E-03	1.19E-03	1.12E-03	4.01E-07	1.21E-06	7.00E-07	7.17E-07	6.50E-07	2.97E-07	2.80E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.17E-08	3.53E-07	3.65E-07	1.34E-07	1.82E-07	6.81E-08	3.65E-07	1.34E-07
2328	495611.1	3860002	1.14E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.92E-07	7.09E-07	6.43E-07	2.93E-07	2.77E-07	0.00E+00	0.00E+00	1.27E-07	2.41E-08	1.53E-07	2.35E-08	2.14E-08	3.49E-07	3.61E-07	1.32E-07	1.80E-07	6.73E-08	3.61E-07	1.32E-07
2329	495661.1	3860002	1.13E-03	1.16E-03	1.09E-03	3.91E-07	1.18E-06	6.84E-07	7.01E-07	6.35E-07	2.90E-07	2.73E-07	0.00E+00	0.00E+00	1.26E-07	2.38E-08	1.51E-07	2.33E-08	2.12E-08	3.45E-07	3.57E-07	1.31E-07	1.78E-07	6.66E-08	3.57E-07	1.31E-07
2330	494411.1	3860052	1.48E-03	1.51E-03	1.43E-03	5.11E-07	1.54E-06	8.94E-07	9.16E-07	8.30E-07	3.79E-07	3.57E-07	0.00E+00	0.00E+00	1.64E-07	3.11E-08	1.97E-07	3.04E-08	2.77E-08	4.51E-07	4.66E-07	1.71E-07	2.33E-07	8.70E-08	4.66E-07	1.71E-07
2331	494461.1	3860052	1.46E-03	1.49E-03	1.41E-03	5.05E-07	1.53E-06	8.83E-07	9.05E-07	8.20E-07	3.74E-07	3.53E-07	0.00E+00	0.00E+00	1.62E-07	3.07E-08	1.95E-07	3.00E-08	2.73E-08	4.45E-07	4.61E-07	1.69E-07	2.30E-07	8.59E-08	4.61E-07	1.69E-07
2332	494511.1	3860052	1.44E-03	1.48E-03	1.39E-03	5.00E-07	1.51E-06	8.73E-07	8.95E-07	8.11E-07	3.70E-07	3.49E-07	0.00E+00	0.00E+00	1.61E-07	3.04E-08	1.93E-07	2.97E-08	2.70E-08	4.40E-07	4.56E-07	1.67E-07	2.27E-07	8.50E-08	4.56E-07	1.67E-07
2333	494561.1	3860052	1.44E-03	1.48E-03	1.40E-03	5.00E-07	1.51E-06	8.74E-07	8.95E-07	8.12E-07	3.70E-07	3.49E-07	0.00E+00	0.00E+00	1.61E-07	3.04E-08	1.93E-07	2.97E-08	2.71E-08	4.41E-07	4.56E-07	1.67E-07	2.28E-07	8.51E-08	4.56E-07	1.67E-07
2334	494611.1	3860052	1.44E-03	1.47E-03	1.39E-03	4.97E-07	1.50E-06	8.69E-07	8.90E-07	8.07E-07	3.68E-07	3.47E-07	0.00E+00	0.00E+00	1.60E-07	3.02E-08	1.92E-07	2.96E-08	2.69E-08	4.38E-07	4.53E-07	1.66E-07	2.26E-07	8.45E-08	4.53E-07	1.66E-07
2335	494661.1	3860052	1.42E-03	1.46E-03	1.38E-03	4.93E-07	1.49E-06	8.62E-07	8.83E-07	8.00E-07	3.65E-07	3.44E-07	0.00E+00	0.00E+00	1.59E-07	3.00E-08	1.90E-07	2.93E-08	2.67E-08	4.35E-07	4.50E-07	1.65E-07	2.24E-07	8.38E-08	4.50E-07	1.65E-07
2336	494711.1	3860052	1.40E-03	1.43E-03	1.35E-03	4.84E-07	1.46E-06	8.46E-07	8.66E-07	7.85E-07	3.58E-07	3.38E-07	0.00E+00	0.00E+00	1.56E-07	2.94E-08	1.87E-07	2.88E-08	2.62E-08	4.26E-07	4.41E-07	1.62E-07	2.20E-07	8.23E-08	4.41E-07	1.62E-07
2337	494761.1	3860052	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.60E-07	7.79E-07	3.56E-07	3.35E-07	0.00E+00	0.00E+00	1.54E-07	2.92E-08	1.85E-07	2.86E-08	2.60E-08	4.23E-07	4.38E-07	1.61E-07	2.19E-07	8.17E-08	4.38E-07	1.61E-07
2338	494811.1	3860052	1.38E-03	1.42E-03	1.34E-03	4.79E-07	1.45E-06	8.38E-07	8.58E-07	7.78E-07	3.55E-07	3.35E-07	0.00E+00	0.00E+00	1.54E-07	2.91E-08	1.85E-07	2.85E-08	2.59E-08	4.22E-07	4.37E-07	1.60E-07	2.18E-07	8.15E-08	4.37E-07	1.60E-07
2339	494861.1	3860052	1.38E-03	1.41E-03	1.33E-03	4.77E-07	1.44E-06	8.34E-07	8.54E-07	7.74E-07	3.53E-07	3.33E-07	0.00E+00	0.00E+00	1.53E-07	2.90E-08	1.84E-07	2.84E-08	2.58E-08	4.21E-07	4.35E-07	1.60E-07	2.17E-07	8.11E-08	4.35E-07	1.60E-07
2340	494911.1	3860052	1.36E-03	1.39E-03	1.31E-03	4.70E-07	1.42E-06	8.22E-07	8.41E-07	7.63E-07	3.48E-07	3.28E-07	0.00E+00	0.00E+00	1.51E-07	2.86E-08	1.81E-07	2.79E-08	2.54E-08	4.14E-07	4.29E-07	1.57E-07	2.14E-07	7.99E-08	4.29E-07	1.57E-07
2341	494961.1	3860052	1.34E-03	1.37E-03	1.29E-03	4.63E-07	1.40E-06	8.09E-07	8.29E-07	7.51E-07	3.43E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.78E-07	2.75E-08	2.50E-08	4.08E-07	4.22E-07	1.55E-07	2.11E-07	7.87E-08	4.22E-07	1.55E-07
2342	495011.1	3860052	1.32E-03	1.35E-03	1.27E-03	4.56E-07	1.38E-06	7.97E-07	8.17E-07	7.40E-07	3.38E-07	3.19E-07	0.00E+00	0.00E+00	1.47E-07	2.77E-08	1.76E-07	2.71E-08	2.47E-08	4.02E-07	4.16E-07	1.53E-07	2.08E-07	7.76E-08	4.16E-07	1.53E-07
2343	495061.1	3860052	1.30E-03	1.34E-03	1.26E-03	4.52E-07	1.36E-06	7.89E-07	8.09E-07	7.33E-07	3.34E-07	3.15E-07	0.00E+00	0.00E+00	1.45E-07	2.74E-08	1.74E-07	2.69E-08	2.44E-08	3.98E-07	4.12E-07	1.51E-07	2.06E-07	7.68E-08	4.12E-07	1.51E-07
2344	495111.1	3860052	1.29E-03	1.32E-03	1.24E-03	4.45E-07	1.34E-06	7.78E-07	7.97E-07	7.22E-07	3.30E-07	3.11E-07	0.00E+00	0.00E+00	1.43E-07	2.70E-08	1.72E-07	2.65E-08	2.41E-08	3.92E-07	4.06E-07	1.49E-07	2.03E-07	7.57E-08	4.06E-07	1.49E-07
2345	495161.1	3860052	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.70E-07	7.88E-07	7.15E-07	3.26E-07	3.08E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.38E-08	3.88E-07	4.02E-07	1.47E-07	2.00E-07	7.49E-08	4.02E-07	1.47E-07
2346	495211.1	3860052	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.79E-07	7.06E-07	3.22E-07	3.04E-07	0.00E+00	0.00E+00	1.40E-07	2.65E-08	1.68E-07	2.59E-08	2.35E-08	3.84E-07	3.97E-07	1.46E-07	1.98E-07	7.40E-08	3.97E-07	1.46E-07
2347	495261.1	3860052	1.25E-03	1.28E-03	1.21E-03	4.32E-07	1.31E-06	7.55E-07	7.74E-07	7.01E-07	3.20E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.63E-08	1.67E-07	2.57E-08	2.34E-08	3.81E-07	3.94E-07	1.45E-07	1.97E-07	7.35E-08	3.94E-07	1.45E-07
2348	495311.1	3860052	1.24E-03	1.27E-03	1.20E-03	4.29E-07	1.30E-06	7.50E-07	7.68E-07	6.96E-07	3.18E-07	3.00E-07	0.00E+00	0.00E+00	1.38E-07	2.61E-08	1.65E-07	2.55E-08	2.32E-08	3.78E-07	3.91E-07	1.44E-07	1.95E-07	7.30E-08	3.91E-07	1.44E-07
2349	495361.1	3860052	1.23E-03	1.26E-03	1.19E-03	4.26E-07	1.28E-06	7.44E-07	7.62E-07	6.91E-07	3.15E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.59E-08	1.64E-07	2.53E-08	2.30E-08	3.75E-07	3.88E-07	1.42E-07	1.94E-07	7.24E-08	3.88E-07	1.42E-07
2350	495411.1	3860052	1.22E-03	1.25E-03	1.18E-03	4.22E-07	1.27E-06	7.38E-07	7.55E-07	6.85E-07	3.12E-07	2.95E-07	0.00E+00	0.00E+00	1.36E-07	2.56E-08	1.63E-07	2.51E-08	2.28E-08	3.72E-07	3.85E-07	1.41E-07	1.92E-07	7.18E-08	3.85E-07	1.41E-07
2351	495461.1	3860052	1.21E-03	1.23E-03	1.16E-03	4.17E-07	1.26E-06	7.30E-07	7.47E-07	6.77E-07	3.09E-07	2.92E-07	0.00E+00	0.00E+00	1.34E-07	2.54E-08	1.61E-07	2.48E-08	2.26E-08	3.68E-07	3.81E-07	1.40E-07	1.90E-07	7.10E-08	3.81E-07	1.40E-07
2352	495511.1	3860052	1.20E-03	1.23E-03	1.16E-03	4.14E-07	1.25E-06	7.24E-07	7.42E-07	6.72E-07	3.07E-07	2.89E-07	0.00E+00	0.00E+00	1.33E-07	2.52E-08	1.60E-07	2.46E-08	2.24E-08	3.65E-07	3.78E-07	1.39E-07	1.89E-07	7.05E-08	3.78E-07	1.39E-07
2353	495561.1	3860052	1.19E-03	1.22E-03	1.15E-03	4.11E-07	1.24E-06	7.18E-07	7.35E-07	6.67E-07	3.04E-07	2.87E-07	0.00E+00	0.00E+00	1.32E-07	2.50E-08	1.58E-07	2.44E-08	2.22E-08	3.62E-07	3.75E-07	1.37E-07	1.87E-07	6.99E-08	3.75E-07	1.37E-07
2354	495611.1	3860052	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	7.27E-07	6.59E-07	3.01E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.20E-08	3.58E-07	3.70E-07	1.36E-07	1.85E-07	6.91E-08	3.70E-07	1.36E-07
2355	495661.1	3860052	1.16E-03	1.19E-03	1.12E-03	4.01E-07	1.21E-06	7.01E-07	7.18E-07	6.51E-07	2.97E-07	2.80E-07	0.00E+00	0.00E+00	1.29E-07	2.44E-08	1.55E-07	2.38E-08	2.17E-08	3.54E-07	3.66E-07	1.34E-07	1.83E-07	6.82E-08	3.66E-07	1.34E-07
2356	494411.1	3860102	1.50E-03	1.54E-03	1.45E-03	5.20E-07	1.57E-06	9.08E-07	9.30E-07	8.43E-07	3.85E-07	3.63E-07	0.00E+00	0.00E+00	1.67E-07	3.16E-08	2.00E-07	3.09E-08	2.81E-08	4.58E-07	4.74E-07	1.74E-07	2.36E-07	8.84E-08	4.74E-07	1.74E-07
2357	494461.1	3860102	1.50E-03	1.54E-03	1.45E-03	5.20E-07	1.57E-06	9.08E-07	9.30E-07	8.43E-07	3.85E-07	3.63E-07	0.00E+00	0.00E+00	1.67E-07	3.16E-08	2.00E-07	3.09E-08	2.81E-08	4.58E-07	4.74E-07	1.74E-07	2.36E-07	8.84E-08	4.74E-07	1.74E-07
2358	494511.1	3860102	1.47E-03	1.51E-03	1.42E-03	5.10E-07	1.54E-06	8.92E-07	9.14E-07	8.28E-07	3.78E-07	3.56E-07	0.00E+00	0.00E+00	1.64E-07	3.10E-08	1.97E-07	3.03E-08	2.76E-08	4.50E-07	4.65E-07	1.71E-07	2.32E-07	8.68E-08	4.65E-07	1.71E-07
2359	494561.1	3860102	1.47E-03	1.50E-03	1.42E-03	5.08E-07	1.53E-06	8.88E-07	9.09E-07	8.24E-07	3.76E-07	3.55E-07	0.00E+00	0.00E+00	1.63E-07	3.09E-08	1.96E-07	3.02E-08	2.75E-08	4.48E-07	4.63E-07	1.70E-07	2.31E-07	8.64E-08	4.63E-07	1.70E-07
2360	494611.1	3860102	1.47E-03	1.50E-03	1.42E-03	5.08E-07	1.53E-06	8.89E-07	9.10E-07	8.25E-07	3.76E-07	3.55E-07	0.00E+00	0.00E+00	1.63E-07	3.09E-08	1.96E-07	3.02E-08	2.75E-08	4.48E-07	4.63E-07	1.70E-07	2.31E-07	8.64E-08	4.63E-07	1.70E-07
2361	494661.1	3860102	1.46E-03	1.49E-03	1.41E-03	5.05E-07	1.53E-06	8.83E-07	9.05E-07	8.20E-07	3.74E-07	3.53E-07	0.00E+00	0.00E+00	1.62E-07	3.07E-08	1.95E-07	3.00E-08	2.73E-08	4.45E-07	4.61E-07	1.69E-07	2.30E-07	8.59E-08	4.61E-07	1.69E-07

2362	494711.1	3860102	1.43E-03	1.47E-03	1.39E-03	4.97E-07	1.50E-06	8.68E-07	8.89E-07	8.06E-07	3.68E-07	3.47E-07	0.00E+00	0.00E+00	1.60E-07	3.02E-08	1.91E-07	2.95E-08	2.69E-08	4.38E-07	4.53E-07	1.66E-07	2.26E-07	8.44E-08	4.53E-07	1.66E-07
2363	494761.1	3860102	1.42E-03	1.46E-03	1.38E-03	4.93E-07	1.49E-06	8.62E-07	8.83E-07	8.00E-07	3.65E-07	3.44E-07	0.00E+00	0.00E+00	1.59E-07	3.00E-08	1.90E-07	2.93E-08	2.67E-08	4.35E-07	4.50E-07	1.65E-07	2.24E-07	8.38E-08	4.50E-07	1.65E-07
2364	494811.1	3860102	1.42E-03	1.45E-03	1.37E-03	4.90E-07	1.48E-06	8.56E-07	8.77E-07	7.95E-07	3.63E-07	3.42E-07	0.00E+00	0.00E+00	1.58E-07	2.98E-08	1.89E-07	2.91E-08	2.65E-08	4.32E-07	4.47E-07	1.64E-07	2.23E-07	8.33E-08	4.47E-07	1.64E-07
2365	494861.1	3860102	1.42E-03	1.46E-03	1.38E-03	4.93E-07	1.49E-06	8.62E-07	8.83E-07	8.00E-07	3.65E-07	3.44E-07	0.00E+00	0.00E+00	1.59E-07	3.00E-08	1.90E-07	2.93E-08	2.67E-08	4.35E-07	4.50E-07	1.65E-07	2.24E-07	8.38E-08	4.50E-07	1.65E-07
2366	494911.1	3860102	1.38E-03	1.41E-03	1.33E-03	4.78E-07	1.44E-06	8.36E-07	8.56E-07	7.76E-07	3.54E-07	3.34E-07	0.00E+00	0.00E+00	1.54E-07	2.91E-08	1.84E-07	2.84E-08	2.59E-08	4.22E-07	4.36E-07	1.60E-07	2.18E-07	8.13E-08	4.36E-07	1.60E-07
2367	494961.1	3860102	1.37E-03	1.40E-03	1.32E-03	4.74E-07	1.43E-06	8.29E-07	8.49E-07	7.69E-07	3.51E-07	3.31E-07	0.00E+00	0.00E+00	1.52E-07	2.88E-08	1.83E-07	2.82E-08	2.56E-08	4.18E-07	4.32E-07	1.59E-07	2.16E-07	8.06E-08	4.32E-07	1.59E-07
2368	495011.1	3860102	1.35E-03	1.38E-03	1.31E-03	4.68E-07	1.41E-06	8.18E-07	8.38E-07	7.59E-07	3.47E-07	3.27E-07	0.00E+00	0.00E+00	1.50E-07	2.84E-08	1.80E-07	2.78E-08	2.53E-08	4.13E-07	4.27E-07	1.56E-07	2.13E-07	7.96E-08	4.27E-07	1.56E-07
2369	495061.1	3860102	1.34E-03	1.37E-03	1.29E-03	4.62E-07	1.40E-06	8.08E-07	8.28E-07	7.50E-07	3.42E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.78E-07	2.75E-08	2.50E-08	4.08E-07	4.22E-07	1.55E-07	2.10E-07	7.86E-08	4.22E-07	1.55E-07
2370	495111.1	3860102	1.32E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.96E-07	8.15E-07	7.39E-07	3.37E-07	3.18E-07	0.00E+00	0.00E+00	1.46E-07	2.77E-08	1.76E-07	2.71E-08	2.46E-08	4.01E-07	4.15E-07	1.52E-07	2.07E-07	7.74E-08	4.15E-07	1.52E-07
2371	495161.1	3860102	1.31E-03	1.34E-03	1.26E-03	4.52E-07	1.37E-06	7.90E-07	8.09E-07	7.34E-07	3.35E-07	3.16E-07	0.00E+00	0.00E+00	1.45E-07	2.75E-08	1.74E-07	2.69E-08	2.45E-08	3.99E-07	4.12E-07	1.51E-07	2.06E-07	7.69E-08	4.12E-07	1.51E-07
2372	495211.1	3860102	1.29E-03	1.32E-03	1.25E-03	4.48E-07	1.35E-06	7.82E-07	8.01E-07	7.26E-07	3.31E-07	3.13E-07	0.00E+00	0.00E+00	1.44E-07	2.72E-08	1.73E-07	2.66E-08	2.42E-08	3.94E-07	4.08E-07	1.50E-07	2.04E-07	7.61E-08	4.08E-07	1.50E-07
2373	495261.1	3860102	1.28E-03	1.31E-03	1.24E-03	4.43E-07	1.34E-06	7.75E-07	7.94E-07	7.20E-07	3.28E-07	3.10E-07	0.00E+00	0.00E+00	1.43E-07	2.69E-08	1.71E-07	2.64E-08	2.40E-08	3.91E-07	4.04E-07	1.48E-07	2.02E-07	7.54E-08	4.04E-07	1.48E-07
2374	495311.1	3860102	1.27E-03	1.30E-03	1.23E-03	4.39E-07	1.33E-06	7.68E-07	7.87E-07	7.13E-07	3.25E-07	3.07E-07	0.00E+00	0.00E+00	1.41E-07	2.67E-08	1.69E-07	2.61E-08	2.38E-08	3.87E-07	4.01E-07	1.47E-07	2.00E-07	7.47E-08	4.01E-07	1.47E-07
2375	495361.1	3860102	1.26E-03	1.29E-03	1.22E-03	4.37E-07	1.32E-06	7.64E-07	7.82E-07	7.09E-07	3.23E-07	3.05E-07	0.00E+00	0.00E+00	1.40E-07	2.65E-08	1.68E-07	2.60E-08	2.36E-08	3.85E-07	3.98E-07	1.46E-07	1.99E-07	7.43E-08	3.98E-07	1.46E-07
2376	495411.1	3860102	1.25E-03	1.28E-03	1.21E-03	4.33E-07	1.31E-06	7.56E-07	7.75E-07	7.02E-07	3.20E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.63E-08	1.67E-07	2.57E-08	2.34E-08	3.81E-07	3.95E-07	1.45E-07	1.97E-07	7.36E-08	3.95E-07	1.45E-07
2377	495461.1	3860102	1.23E-03	1.26E-03	1.19E-03	4.27E-07	1.29E-06	7.46E-07	7.64E-07	6.92E-07	3.16E-07	2.98E-07	0.00E+00	0.00E+00	1.37E-07	2.59E-08	1.64E-07	2.54E-08	2.31E-08	3.76E-07	3.89E-07	1.43E-07	1.94E-07	7.25E-08	3.89E-07	1.43E-07
2378	495511.1	3860102	1.22E-03	1.25E-03	1.18E-03	4.24E-07	1.28E-06	7.41E-07	7.59E-07	6.88E-07	3.14E-07	2.96E-07	0.00E+00	0.00E+00	1.36E-07	2.58E-08	1.64E-07	2.52E-08	2.29E-08	3.74E-07	3.87E-07	1.42E-07	1.93E-07	7.21E-08	3.87E-07	1.42E-07
2379	495561.1	3860102	1.22E-03	1.25E-03	1.18E-03	4.21E-07	1.27E-06	7.37E-07	7.55E-07	6.84E-07	3.12E-07	2.94E-07	0.00E+00	0.00E+00	1.36E-07	2.56E-08	1.63E-07	2.51E-08	2.28E-08	3.72E-07	3.84E-07	1.41E-07	1.92E-07	7.17E-08	3.84E-07	1.41E-07
2380	495611.1	3860102	1.20E-03	1.23E-03	1.16E-03	4.16E-07	1.26E-06	7.27E-07	7.45E-07	6.75E-07	3.08E-07	2.90E-07	0.00E+00	0.00E+00	1.34E-07	2.53E-08	1.60E-07	2.47E-08	2.25E-08	3.67E-07	3.79E-07	1.39E-07	1.89E-07	7.07E-08	3.79E-07	1.39E-07
2381	495661.1	3860102	1.19E-03	1.22E-03	1.15E-03	4.12E-07	1.24E-06	7.21E-07	7.38E-07	6.69E-07	3.05E-07	2.88E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.59E-07	2.45E-08	2.23E-08	3.63E-07	3.76E-07	1.38E-07	1.88E-07	7.01E-08	3.76E-07	1.38E-07
2382	494861.1	3860152	1.47E-03	1.51E-03	1.42E-03	5.10E-07	1.54E-06	8.91E-07	9.13E-07	8.27E-07	3.78E-07	3.56E-07	0.00E+00	0.00E+00	1.64E-07	3.10E-08	1.97E-07	3.03E-08	2.76E-08	4.49E-07	4.65E-07	1.71E-07	2.32E-07	8.67E-08	4.65E-07	1.71E-07
2383	494911.1	3860152	1.42E-03	1.46E-03	1.38E-03	4.93E-07	1.49E-06	8.62E-07	8.83E-07	8.00E-07	3.65E-07	3.44E-07	0.00E+00	0.00E+00	1.59E-07	3.00E-08	1.90E-07	2.93E-08	2.67E-08	4.35E-07	4.50E-07	1.65E-07	2.24E-07	8.38E-08	4.50E-07	1.65E-07
2384	494961.1	3860152	1.41E-03	1.44E-03	1.36E-03	4.87E-07	1.47E-06	8.51E-07	8.72E-07	7.90E-07	3.61E-07	3.40E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.90E-08	2.63E-08	4.29E-07	4.44E-07	1.63E-07	2.22E-07	8.28E-08	4.44E-07	1.63E-07
2385	495011.1	3860152	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.60E-07	7.79E-07	3.56E-07	3.35E-07	0.00E+00	0.00E+00	1.54E-07	2.92E-08	1.85E-07	2.86E-08	2.60E-08	4.23E-07	4.38E-07	1.61E-07	2.19E-07	8.17E-08	4.38E-07	1.61E-07
2386	495061.1	3860152	1.37E-03	1.40E-03	1.32E-03	4.74E-07	1.43E-06	8.29E-07	8.49E-07	7.69E-07	3.51E-07	3.31E-07	0.00E+00	0.00E+00	1.52E-07	2.88E-08	1.83E-07	2.82E-08	2.56E-08	4.18E-07	4.32E-07	1.59E-07	2.16E-07	8.06E-08	4.32E-07	1.59E-07
2387	495111.1	3860152	1.36E-03	1.39E-03	1.31E-03	4.70E-07	1.42E-06	8.21E-07	8.41E-07	7.62E-07	3.48E-07	3.28E-07	0.00E+00	0.00E+00	1.51E-07	2.85E-08	1.81E-07	2.79E-08	2.54E-08	4.14E-07	4.28E-07	1.57E-07	2.14E-07	7.98E-08	4.28E-07	1.57E-07
2388	495161.1	3860152	1.34E-03	1.38E-03	1.30E-03	4.65E-07	1.40E-06	8.13E-07	8.32E-07	7.54E-07	3.44E-07	3.25E-07	0.00E+00	0.00E+00	1.50E-07	2.83E-08	1.79E-07	2.76E-08	2.51E-08	4.10E-07	4.24E-07	1.55E-07	2.12E-07	7.91E-08	4.24E-07	1.55E-07
2389	495211.1	3860152	1.33E-03	1.36E-03	1.28E-03	4.60E-07	1.39E-06	8.05E-07	8.24E-07	7.47E-07	3.41E-07	3.22E-07	0.00E+00	0.00E+00	1.48E-07	2.80E-08	1.77E-07	2.74E-08	2.49E-08	4.06E-07	4.20E-07	1.54E-07	2.09E-07	7.83E-08	4.20E-07	1.54E-07
2390	495261.1	3860152	1.32E-03	1.35E-03	1.27E-03	4.56E-07	1.38E-06	7.97E-07	8.17E-07	7.40E-07	3.38E-07	3.19E-07	0.00E+00	0.00E+00	1.47E-07	2.77E-08	1.76E-07	2.71E-08	2.47E-08	4.02E-07	4.16E-07	1.53E-07	2.08E-07	7.76E-08	4.16E-07	1.53E-07
2391	495311.1	3860152	1.31E-03	1.34E-03	1.26E-03	4.52E-07	1.37E-06	7.90E-07	8.09E-07	7.34E-07	3.35E-07	3.16E-07	0.00E+00	0.00E+00	1.45E-07	2.75E-08	1.74E-07	2.69E-08	2.45E-08	3.99E-07	4.12E-07	1.51E-07	2.06E-07	7.69E-08	4.12E-07	1.51E-07
2392	495361.1	3860152	1.30E-03	1.33E-03	1.25E-03	4.49E-07	1.35E-06	7.84E-07	8.03E-07	7.28E-07	3.32E-07	3.13E-07	0.00E+00	0.00E+00	1.44E-07	2.73E-08	1.73E-07	2.67E-08	2.43E-08	3.95E-07	4.09E-07	1.50E-07	2.04E-07	7.63E-08	4.09E-07	1.50E-07
2393	495411.1	3860152	1.28E-03	1.32E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.96E-07	7.21E-07	3.29E-07	3.10E-07	0.00E+00	0.00E+00	1.43E-07	2.70E-08	1.71E-07	2.64E-08	2.40E-08	3.92E-07	4.05E-07	1.49E-07	2.02E-07	7.56E-08	4.05E-07	1.49E-07
2394	495461.1	3860152	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.70E-07	7.88E-07	7.15E-07	3.26E-07	3.08E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.38E-08	3.88E-07	4.02E-07	1.47E-07	2.00E-07	7.49E-08	4.02E-07	1.47E-07
2395	495511.1	3860152	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.79E-07	7.06E-07	3.22E-07	3.04E-07	0.00E+00	0.00E+00	1.40E-07	2.65E-08	1.68E-07	2.59E-08	2.35E-08	3.84E-07	3.97E-07	1.46E-07	1.98E-07	7.40E-08	3.97E-07	1.46E-07
2396	495561.1	3860152	1.25E-03	1.28E-03	1.21E-03	4.32E-07	1.31E-06	7.55E-07	7.74E-07	7.01E-07	3.20E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.63E-08	1.67E-07	2.57E-08	2.34E-08	3.81E-07	3.94E-07	1.45E-07	1.97E-07	7.35E-08	3.94E-07	1.45E-07
2397	495611.1	3860152	1.24E-03	1.27E-03	1.19E-03	4.28E-07	1.29E-06	7.47E-07	7.66E-07	6.94E-07	3.17E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.60E-08	1.65E-07	2.54E-08	2.31E-08	3.77E-07	3.90E-07	1.43E-07	1.95E-07	7.27E-08	3.90E-07	1.43E-07
2398	495661.1	3860152	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.56E-07	6.86E-07	3.13E-07	2.95E-07	0.00E+00	0.00E+00	1.36E-07	2.57E-08	1.63E-07	2.51E-08	2.29E-08	3.72E-07	3.85E-07	1.41E-07	1.92E-07	7.19E-08	3.85E-07	1.41E-07
2399	495718.3	3859443	8.56E-04	8.77E-04	8.27E-04	2.96E-07	8.95E-07	5.18E-07	5.30E-07	4.81E-07	2.19E-07	2.07E-07	0.00E+00	0.00E+00	9.53E-08	1.80E-08	1.14E-07	1.76E-08	1.60E-08	2.61E-07	2.70E-07	9.91E-08	1.35E-07	5.04E-08	2.70E-07	9.91E-08
2400	495818.3	3859443	8.40E-04	8.60E-04	8.11E-04	2.91E-07	8.78E-07	5.08E-07	5.20E-07	4.72E-07	2.15E-07	2.03E-07	0.00E+00	0.00E+00	9.35E-08	1.77E-08	1.12E-07	1.73E-08	1.57E-08	2.56E-07	2.65E-07	9.72E-08	1.32E-07	4.94E-08	2.65E-07	9.72E-08
2401	495918.3	3859443	8.28E-04	8.48E-04	8.00E-04	2.87E-07	8.65E-07	5.01E-07	5.13E-07	4.65E-07	2.12E-07	2.00E-07	0.00E+00	0.00E+00	9.22E-08	1.74E-08	1.11E-07	1.70E-08	1.55E-08	2.53E-07	2.61E-07	9.58E-08	1.30E-07	4.87E-08	2.61E-07	9.58E-08
2402	496018.3	3859443	8.18E-04	8.37E-04	7.90E-04	2.83E-07	8.55E-07	4.95E-07	5.07E-07	4.59E-07	2.10E-07	1.98E-07	0.00E+00	0.00E+00	9.10E-08	1.72E-08	1.09E-07	1.68E-08	1.53E-08	2.49E-07	2.58E-07	9.46E-08	1.29E-07	4.81E-08	2.58E-07	9.46E-08
2403	496118.3	3859443	8.18E-04	8.37E-04	7.90E-04	2.83E-07	8.55E-07	4.95E-07	5.07E-07	4.59E-07	2.10E-07	1.98E-07	0.00E+00	0.00E+00	9.10E-08	1.72E-08	1.09E-07	1.68E-08	1.53E-08	2.49E-07	2.58E-07	9.46E-08	1.29E-07	4.81E-08	2.58E-07	9.46E-08
2404	496218.3	3859443	8.15E-04	8.34E-04	7.87E-04	2.82E-07	8.52E-07	4.93E-07	5.05E-07	4.58E-07	2.09E-07	1.97E-07	0.00E+00	0.00E+00	9.07E-08	1.71E-08	1.09E-07	1.68E-08	1.53E-08	2.49E-07	2.57E-07	9.43E-08	1.28E-07	4.80E-08	2.57E-07	9.43E-08
2405	496318.3	3859443	8.07E-04	8.27E-04	7.80E-04	2.79E-07	8.44E-07	4.88E-07	5.00E-07	4.54E-07	2.07E-07	1.95E-07	0.00E+00	0.00E+00	8.99E-08	1.70E-08	1.08E-07	1.66E-08	1.51E-08	2.46E-07	2.55E-07	9.35E-08	1.27E-07	4.75E-08	2.55E-07	9.35E-08
2406	496418.3	3859443	7.97E-04	8.16E-04	7.70E-04	2.76E-07	8.33E-07	4.82E-07	4.94E-07	4.48E-07	2.04E-07	1.93E-07	0.00E+00	0.00E+00	8.87E-08	1.68E-08	1.06E-07	1.64E-08	1.49E-08	2.43E-07	2.52E-07	9.23E-08	1.26E-07	4.69E-08	2.52E-07	9.23E-08
2407	495718.3	3859543	8.96E-04	9.18E-04	8.65E-04	3.10E-07	9.36E-07	5.42E-07	5.55E-07	5.03E-07	2.30E-07	2.17E-07	0.00E+00	0.00E+00	9.97E-08	1.88E-08	1.20E-07	1.84E-08	1.68E-08	2.73E-07	2.83E-07	1.04E-07	1.41E-07	5.27E-08	2.83E-07	1.04E-07
2408	495818.3	3859543	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	0.00E+00	0.00E+00	9.82E-08	1.86E-08	1.18E-07	1.82E-08	1.65E-08	2.69E-07	2.79E-07	1.02E-07	1.39E-07	5.20E-08	2.79E-07	1.02E-07
2409	495918.3	3859543	8.66E-04	8.87E-04	8.37E-04	3.00E-07	9.06E-07	5.24E-07	5.37E-07	4.87E-07	2.22E-07	2.09E-07	0.00E+00	0.00E+00	9.64E-08	1.82E-08	1.16E-07	1.78E-08	1.62E-08	2.64E-07	2.73E-07	1.00E-07	1.36E-07	5.10E-08	2.73E-07	1.00E-07
2410	496018.3	3859543	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	0.00E+00	0.00E+00	9.50E-08	1.79E-08	1.14E-07	1.76E-08	1.60E-08	2.60E-07	2.69E-07	9.87E-08	1.34E-07	5.02E-08	2.69E-07	9.87E-08
2411	496118.3	3859543	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	0.00E+00	0.00E+00	9.50E-08	1.79E-08	1.14E-07	1.76E-08	1.60E-08	2.60E-07	2.69E-07	9.87E-08	1.34E-07	5.02E-08	2.69E-07	9.87E-08
2412	496218.3	3859543	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	0.00E+00	0.00E+00	9.45E-08	1.79E-08	1.13E-07	1.75E-08	1.59E-08	2.59E-07	2.68E-07	9.82E-08	1.34E-07	5.00E-08	2.68E-07	9.82E-08
2413	496318.3	3859543	8.43E-04	8.63E-04	8.14E-04	2.92E-07	8.81E-07	5.10E-07	5.22E-07	4.73E-07	2.16E-07	2.04E-07	0.00E+00	0.00E+00	9.38E-08	1.77E-08	1.12E-07	1.73E-08	1.58E-08	2.57E-07	2.66E-07	9.76E-08	1.33E-07	4.96E-08	2.66E-07	9.76E-08
2414	496418.3	3859543	8.31E-04	8.51E-04	8.03E-04	2.88E-07	8.68E-07	5.03E-07	5.15E-07	4.67E-07	2.13E-07	2.01E-07	0.00E+00	0.00E+00	9.25E-08	1.75E-08	1.11E-07	1.71E-08	1.56E-08	2.54E-07	2.62E-07	9.62E-08	1.31E-07	4.89E-08	2.62E-07	9.62E-08
2415	495718.3	3859643	9.37E-04	9.60E-04	9.05E-04	3.24E-07	9.80E-07	5.67E-07	5.81E-07	5.26E-07	2.40E-07	2.27E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.93E-08	1.75E-08	2.86E-07	2.96E-07	1.08E-07	1.48E-07	5.52E-08	2.96E-07	1.08E-07
2416	495818.3	3859643	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.23E-07	1.89E-08	1.72E-08	2.81E-07	2.90E-07	1.06E-07	1.45E-07	5.41E-08	2.90E-07	1.06E-07
2417	495918.3	3859643	9.08E-04	9.30E-04	8.77E-04	3.14E-07	9.49E-07	5.49E-07	5.63E-07	5.10E-07	2.33E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.70E-08	2.77E-07	2.86E-07	1.05E-07	1.43E-07	5.34E-08	2.86E-07	1.05E-07
2418	496018.3	3859643	8.93E-04	9.15E-04	8.63E-04	3.09E-07	9.33E-07	5.40E-07	5.53E-07	5.02E-07	2.29E-07	2.16E-07	0.00E+00	0.00E+00	9.94E-08	1.88E-08	1.19E-07	1.84E-08	1.67E-08	2.72E-07	2.82E-07	1.03E-07	1.41E-07	5.26E-08	2.82E-07	1.03E-07
2419	496118.3	3859643	8.94E-04	9.16E-04	8.64E-04	3.10E-07	9.35E-07	5.41E-07	5.54E-07	5.02E-07	2.29E-07	2.16E-07	0.00E+00	0.00E+00	9.96E-08	1.88E-08	1.19E-07	1.84E-08	1.67E-08	2.73E-07	2.82E-07	1.04E-07	1.41E-07	5.27E-08	2.82E-07	1.04E-07
2420	496218.3	3859643	8.91E-04	9.13E-04	8.61E-04	3.09E-07	9.32E-07	5.39E-07	5.52E-07	5.01E-07	2.29E-07	2.16E-07	0.00E+00	0.00E+00	9.92E-08	1.88E-08	1.19E-07	1.83E-08	1.67E-08	2.72E-07	2.81E-07	1.03E-07	1.40E-07	5.25E-08	2.81E-07	1.03E-07
2421	496318.3	3859643	8.80E-04	9.01E-04	8.50E-04	3.04E-07	9.19E-07	5.32E-07	5.45E-07	4.94E-07	2.25E-07	2.13E-07	0.00E+00	0.00E+00	9.79E-08	1.85E-08	1.17E-07	1.81E-08	1.65E-08	2.68E-07	2.78E-07	1.02E-07	1.39E-07	5.18E-08	2.78E-07	1.02E-07
2422	496418.3	3859643	8.47E-04	8.68E-04	8.18E-04	2.93E-07	8.85E-07	5.13E-07	5.25E-07	4.76E-07	2.17E-07	2.05E-07	0.00E+00	0.00E+00	9.43E-08	1.78E-08	1.13E-07	1.74E-08	1.59E-08	2.58E-07	2.67E-07	9.81E-08	1.33E-07	4.99E-08	2.67E-07	9.81E-08
2423	495718.3	3859743	9.87E-04	1.01E-03	9.54E-04	3.42E-07	1.03E-06	5.97E-07	6.12E-07	5.55E-07	2.53E-07	2.39E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.03E-08	1.85E-08	3.01E-07	3.12E-07	1.14E-07	1.56E-07	5.81E-08	3.12E-07	1.14E-07
2424	495818.3	3859743	9.68E-04	9.92E-04	9.35E-04	3.35E-07	1.01E-06	5.86E-07	6.00E-07	5.44E-07	2.48E-07	2.34E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.29E-07	1.99E-08	1.81E-08	2.95E-07	3.06E-07	1.12E-07	1.53E-07	5.70E-08	3.06E-07	1.12E-07
2425	495918.3	3859743	9.52E-04	9.75E-04	9.20E-04	3.30E-07	9.95E-07	5.76E-07	5.90E-07	5.35E-07	2.44E-07	2.30E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.78E-08	2.90E-07	3.00E-07	1.10E-07	1.50E-07	5.60E-08	3.00E-07	1.10E-07
2426	496018.3	3859743	9.36E-04	9.58E-04	9.04E-04	3.24E-07	9.78E-07	5.66E-07	5.80E-07	5.26E-07	2.40E-07	2.26E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.93E-08	1.75E-08	2.86E-07	2.95E-07	1.08E-07	1.47E-07	5.51E-08	2.95E-07	1.08E-07
2427	496118.3	3859743	9.34E-04	9.57E-04	9.03E-04	3.23E-07	9.76E-07	5.65E-07	5.79E-07	5.25E-07	2.39E-07	2.26E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.92E-08	1.75E-08	2.85E-07	2.95E-07	1.08E-07	1.47E-07	5.50E-08	2.95E-07	1.08E-07
2428	496218.3	3859743	9.37E-04	9.60E-04	9.05E-04	3.24E-07	9.80E-07	5.67E-07	5.81E-07	5.26E-07	2.40E-07	2.27E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.93E-08	1.75E-08	2.86E-07	2.96E-07	1.08E-07	1.48E-07	5.52E-08	2.96E-07	1.08E-07
2429	496318.3	3859743	9.05E-04	9.27E-04	8.74E-04	3.13E-07	9.46E-07	5.47E-07	5.61E-07	5.08E-07	2.32E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.69E-08	2.76E-07	2.86E-07	1.05E-07	1.43E-07	5.33E-08	2.86E-07	1.05E-07
2430	496418.3	3859743	8.74E-04	8.95E-04	8.44E-04	3.02E-07	9.13E-07	5.29E-07	5.41E-07	4.91E-07	2.24E-07	2.11E-07	0.00E+00	0.00E+00	9.73E-08	1.84E-08	1.17E-07	1.80E-08	1.64E-08	2.67E-07	2.76E-07	1.01E-07	1.38E-07	5.14E-08	2.76E-07	1.01E-07
2431	495718.3	3859843	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.28E-07	6.43E-07	5.83E-07	2.66E-07	2.51E-07	0.00E+00	0.00E+00	1.15E-07	2.18E-08	1.38E-07	2.14E-08	1.94E-08	3.17E-07	3.27E-07	1.20E-07	1.63E-07	6.11E-08	3.27E-07	1.20E-07
2432	495818.3	3859843	1.02E-03	1.04E-03	9.85E-04	3.53E-07	1.07E-06	6.17E-07	6.32E-07	5.73E-07	2.61E-07	2.47E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.36E-07	2.10E-08	1.91E-08	3.11E-07	3.22E-07	1.18E-07	1.61E-07	6.00E-08	3.22E-07	1.18E-07
2433	495918.3	3859843	1.00E-03	1.03E-03	9.68E-04	3.47E-07	1.05E-06	6.06E-07	6.21E-07	5.63E-07	2.57E-07	2.42E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.06E-08	1.88E-08	3.06E-07	3.16E-07	1.16E-07	1.58E-07	5.90E-08	3.16E-07	1.16E-07
2434	496018.3	3859843	9.90E-04	1.01E-03	9.57E-04	3.43E-07	1.04E-06	5.99E-07	6.14E-07	5.56E-07	2.54E-07	2.39E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.04E-08	1.85E-08	3.02E-07	3.13E-07	1.15E-07	1.56E-07	5.83E-08	3.13E-07	1.15E-07
2435	496118.3	3859843	9.92E-04	1.02E-03	9.58E-04	3.43E-07	1.04E-06	6.00E-07	6.15E-07	5.57E-07	2.54E-07	2.40E-07	0.00E+00	0.00E+00	1.10E-07	2.09E-08	1.32E-07	2.04E-08	1.86E-08	3.03E-07	3.13E-07	1.15E-07	1.56E-07	5.84E-08	3.13E-07	1.15E-07

2436	496218.3	3859843	9.62E-04	9.86E-04	9.30E-04	3.33E-07	1.01E-06	5.82E-07	5.96E-07	5.41E-07	2.47E-07	2.33E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.98E-08	1.80E-08	2.94E-07	3.04E-07	1.11E-07	1.52E-07	5.66E-08	3.04E-07	1.11E-07
2437	496318.3	3859843	9.06E-04	9.28E-04	8.75E-04	3.14E-07	9.47E-07	5.48E-07	5.62E-07	5.09E-07	2.32E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.70E-08	2.77E-07	2.86E-07	1.05E-07	1.43E-07	5.33E-08	2.86E-07	1.05E-07
2438	496418.3	3859843	8.74E-04	8.95E-04	8.44E-04	3.02E-07	9.13E-07	5.29E-07	5.41E-07	4.91E-07	2.24E-07	2.11E-07	0.00E+00	0.00E+00	9.73E-08	1.84E-08	1.17E-07	1.80E-08	1.64E-08	2.67E-07	2.76E-07	1.01E-07	1.38E-07	5.14E-08	2.76E-07	1.01E-07
2439	495718.3	3859943	1.09E-03	1.11E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.74E-07	6.11E-07	2.79E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.29E-08	1.45E-07	2.24E-08	2.04E-08	3.32E-07	3.43E-07	1.26E-07	1.71E-07	6.40E-08	3.43E-07	1.26E-07
2440	495818.3	3859943	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.12E-06	6.46E-07	6.61E-07	5.99E-07	2.74E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.24E-08	1.42E-07	2.20E-08	2.00E-08	3.26E-07	3.37E-07	1.24E-07	1.68E-07	6.28E-08	3.37E-07	1.24E-07
2441	495918.3	3859943	1.05E-03	1.08E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.53E-07	5.92E-07	2.70E-07	2.55E-07	0.00E+00	0.00E+00	1.17E-07	2.22E-08	1.41E-07	2.17E-08	1.97E-08	3.22E-07	3.33E-07	1.22E-07	1.66E-07	6.20E-08	3.33E-07	1.22E-07
2442	496018.3	3859943	1.05E-03	1.08E-03	1.02E-03	3.64E-07	1.10E-06	6.36E-07	6.51E-07	5.90E-07	2.69E-07	2.54E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	1.97E-08	3.21E-07	3.32E-07	1.22E-07	1.66E-07	6.19E-08	3.32E-07	1.22E-07
2443	496118.3	3859943	1.02E-03	1.05E-03	9.88E-04	3.54E-07	1.07E-06	6.19E-07	6.34E-07	5.75E-07	2.62E-07	2.47E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.37E-07	2.11E-08	1.91E-08	3.12E-07	3.23E-07	1.18E-07	1.61E-07	6.02E-08	3.23E-07	1.18E-07
2444	496218.3	3859943	9.80E-04	1.00E-03	9.47E-04	3.39E-07	1.02E-06	5.93E-07	6.07E-07	5.51E-07	2.51E-07	2.37E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.02E-08	1.83E-08	2.99E-07	3.09E-07	1.13E-07	1.54E-07	5.77E-08	3.09E-07	1.13E-07
2445	496318.3	3859943	9.40E-04	9.63E-04	9.08E-04	3.25E-07	9.83E-07	5.69E-07	5.83E-07	5.28E-07	2.41E-07	2.27E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.25E-07	1.94E-08	1.76E-08	2.87E-07	2.97E-07	1.09E-07	1.48E-07	5.53E-08	2.97E-07	1.09E-07
2446	496418.3	3859943	8.93E-04	9.15E-04	8.63E-04	3.09E-07	9.33E-07	5.40E-07	5.53E-07	5.02E-07	2.29E-07	2.16E-07	0.00E+00	0.00E+00	9.94E-08	1.88E-08	1.19E-07	1.84E-08	1.67E-08	2.72E-07	2.82E-07	1.03E-07	1.41E-07	5.26E-08	2.82E-07	1.03E-07
2447	496856.8	3858865	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	7.00E-08	1.32E-08	8.39E-08	1.29E-08	1.18E-08	1.92E-07	1.98E-07	7.28E-08	9.90E-08	3.70E-08	1.98E-07	7.28E-08
2448	496956.8	3858865	6.23E-04	6.38E-04	6.02E-04	2.16E-07	6.51E-07	3.77E-07	3.86E-07	3.50E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.93E-08	1.31E-08	8.31E-08	1.28E-08	1.17E-08	1.90E-07	1.97E-07	7.21E-08	9.81E-08	3.67E-08	1.97E-07	7.21E-08
2449	497056.8	3858865	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	0.00E+00	0.00E+00	6.87E-08	1.30E-08	8.23E-08	1.27E-08	1.16E-08	1.88E-07	1.95E-07	7.14E-08	9.72E-08	3.63E-08	1.95E-07	7.14E-08
2450	497156.8	3858865	6.11E-04	6.26E-04	5.90E-04	2.12E-07	6.39E-07	3.70E-07	3.79E-07	3.43E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.80E-08	1.29E-08	8.16E-08	1.26E-08	1.14E-08	1.86E-07	1.93E-07	7.07E-08	9.63E-08	3.60E-08	1.93E-07	7.07E-08
2451	497256.8	3858865	6.08E-04	6.23E-04	5.87E-04	2.10E-07	6.36E-07	3.68E-07	3.77E-07	3.42E-07	1.56E-07	1.47E-07	0.00E+00	0.00E+00	6.77E-08	1.28E-08	8.12E-08	1.25E-08	1.14E-08	1.86E-07	1.92E-07	7.04E-08	9.58E-08	3.58E-08	1.92E-07	7.04E-08
2452	496856.8	3858965	6.48E-04	6.64E-04	6.26E-04	2.24E-07	6.77E-07	3.92E-07	4.02E-07	3.64E-07	1.66E-07	1.57E-07	0.00E+00	0.00E+00	7.21E-08	1.36E-08	8.65E-08	1.33E-08	1.21E-08	1.98E-07	2.04E-07	7.50E-08	1.02E-07	3.81E-08	2.04E-07	7.50E-08
2453	496956.8	3858965	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	0.00E+00	0.00E+00	7.11E-08	1.34E-08	8.53E-08	1.32E-08	1.20E-08	1.95E-07	2.02E-07	7.40E-08	1.01E-07	3.76E-08	2.02E-07	7.40E-08
2454	497056.8	3858965	6.33E-04	6.48E-04	6.12E-04	2.19E-07	6.62E-07	3.83E-07	3.92E-07	3.56E-07	1.62E-07	1.53E-07	0.00E+00	0.00E+00	7.05E-08	1.33E-08	8.45E-08	1.30E-08	1.19E-08	1.93E-07	2.00E-07	7.33E-08	9.97E-08	3.73E-08	2.00E-07	7.33E-08
2455	497156.8	3858965	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	6.98E-08	1.32E-08	8.37E-08	1.29E-08	1.17E-08	1.91E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
2456	497256.8	3858965	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	7.00E-08	1.32E-08	8.39E-08	1.29E-08	1.18E-08	1.92E-07	1.98E-07	7.28E-08	9.90E-08	3.70E-08	1.98E-07	7.28E-08
2457	496856.8	3859065	6.63E-04	6.79E-04	6.40E-04	2.29E-07	6.93E-07	4.01E-07	4.11E-07	3.72E-07	1.70E-07	1.60E-07	0.00E+00	0.00E+00	7.38E-08	1.39E-08	8.85E-08	1.36E-08	1.24E-08	2.02E-07	2.09E-07	7.67E-08	1.04E-07	3.90E-08	2.09E-07	7.67E-08
2458	496956.8	3859065	6.55E-04	6.71E-04	6.33E-04	2.27E-07	6.85E-07	3.96E-07	4.06E-07	3.68E-07	1.68E-07	1.58E-07	0.00E+00	0.00E+00	7.29E-08	1.38E-08	8.75E-08	1.35E-08	1.23E-08	2.00E-07	2.07E-07	7.59E-08	1.03E-07	3.86E-08	2.07E-07	7.59E-08
2459	497056.8	3859065	6.49E-04	6.65E-04	6.27E-04	2.25E-07	6.79E-07	3.93E-07	4.02E-07	3.65E-07	1.66E-07	1.57E-07	0.00E+00	0.00E+00	7.23E-08	1.37E-08	8.67E-08	1.34E-08	1.22E-08	1.98E-07	2.05E-07	7.52E-08	1.02E-07	3.82E-08	2.05E-07	7.52E-08
2460	497156.8	3859065	6.45E-04	6.61E-04	6.23E-04	2.23E-07	6.74E-07	3.90E-07	4.00E-07	3.62E-07	1.65E-07	1.56E-07	0.00E+00	0.00E+00	7.18E-08	1.36E-08	8.61E-08	1.33E-08	1.21E-08	1.97E-07	2.04E-07	7.47E-08	1.02E-07	3.80E-08	2.04E-07	7.47E-08
2461	497256.8	3859065	6.49E-04	6.65E-04	6.27E-04	2.25E-07	6.79E-07	3.93E-07	4.02E-07	3.65E-07	1.66E-07	1.57E-07	0.00E+00	0.00E+00	7.23E-08	1.37E-08	8.67E-08	1.34E-08	1.22E-08	1.98E-07	2.05E-07	7.52E-08	1.02E-07	3.82E-08	2.05E-07	7.52E-08
2462	496856.8	3859165	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.52E-08	1.42E-08	9.02E-08	1.39E-08	1.27E-08	2.06E-07	2.13E-07	7.82E-08	1.06E-07	3.98E-08	2.13E-07	7.82E-08
2463	496956.8	3859165	6.69E-04	6.85E-04	6.46E-04	2.31E-07	6.99E-07	4.05E-07	4.14E-07	3.76E-07	1.71E-07	1.62E-07	0.00E+00	0.00E+00	7.44E-08	1.41E-08	8.92E-08	1.38E-08	1.25E-08	2.04E-07	2.11E-07	7.74E-08	1.05E-07	3.94E-08	2.11E-07	7.74E-08
2464	497056.8	3859165	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	0.00E+00	0.00E+00	7.39E-08	1.40E-08	8.86E-08	1.37E-08	1.24E-08	2.03E-07	2.10E-07	7.69E-08	1.05E-07	3.91E-08	2.10E-07	7.69E-08
2465	497156.8	3859165	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	0.00E+00	0.00E+00	7.39E-08	1.40E-08	8.86E-08	1.37E-08	1.24E-08	2.03E-07	2.10E-07	7.69E-08	1.05E-07	3.91E-08	2.10E-07	7.69E-08
2466	497256.8	3859165	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	0.00E+00	0.00E+00	7.48E-08	1.41E-08	8.96E-08	1.38E-08	1.26E-08	2.05E-07	2.12E-07	7.77E-08	1.06E-07	3.95E-08	2.12E-07	7.77E-08
2467	496856.8	3859265	6.89E-04	7.06E-04	6.66E-04	2.39E-07	7.20E-07	4.17E-07	4.27E-07	3.87E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.67E-08	1.45E-08	9.20E-08	1.42E-08	1.29E-08	2.10E-07	2.18E-07	7.98E-08	1.09E-07	4.06E-08	2.18E-07	7.98E-08
2468	496956.8	3859265	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.64E-08	1.44E-08	9.16E-08	1.41E-08	1.28E-08	2.09E-07	2.17E-07	7.94E-08	1.08E-07	4.04E-08	2.17E-07	7.94E-08
2469	497056.8	3859265	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.64E-08	1.44E-08	9.16E-08	1.41E-08	1.28E-08	2.09E-07	2.17E-07	7.94E-08	1.08E-07	4.04E-08	2.17E-07	7.94E-08
2470	497156.8	3859265	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.64E-08	1.44E-08	9.16E-08	1.41E-08	1.28E-08	2.09E-07	2.17E-07	7.94E-08	1.08E-07	4.04E-08	2.17E-07	7.94E-08
2471	497256.8	3859265	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.71E-08	1.46E-08	9.24E-08	1.42E-08	1.30E-08	2.11E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
2472	497088.9	3858621	5.73E-04	5.87E-04	5.53E-04	1.98E-07	5.99E-07	3.46E-07	3.55E-07	3.22E-07	1.47E-07	1.38E-07	0.00E+00	0.00E+00	6.37E-08	1.20E-08	7.64E-08	1.18E-08	1.07E-08	1.75E-07	1.81E-07	6.63E-08	9.02E-08	3.37E-08	1.81E-07	6.63E-08
2473	497138.9	3858621	5.71E-04	5.85E-04	5.52E-04	1.98E-07	5.97E-07	3.46E-07	3.54E-07	3.21E-07	1.46E-07	1.38E-07	0.00E+00	0.00E+00	6.36E-08	1.20E-08	7.62E-08	1.18E-08	1.07E-08	1.74E-07	1.80E-07	6.61E-08	9.00E-08	3.36E-08	1.80E-07	6.61E-08
2474	497188.9	3858621	5.70E-04	5.83E-04	5.50E-04	1.97E-07	5.95E-07	3.45E-07	3.53E-07	3.20E-07	1.46E-07	1.38E-07	0.00E+00	0.00E+00	6.34E-08	1.20E-08	7.60E-08	1.17E-08	1.07E-08	1.74E-07	1.80E-07	6.59E-08	8.97E-08	3.35E-08	1.80E-07	6.59E-08
2475	497238.9	3858621	5.68E-04	5.82E-04	5.49E-04	1.97E-07	5.94E-07	3.44E-07	3.52E-07	3.19E-07	1.46E-07	1.37E-07	0.00E+00	0.00E+00	6.33E-08	1.20E-08	7.58E-08	1.17E-08	1.06E-08	1.73E-07	1.79E-07	6.58E-08	8.95E-08	3.34E-08	1.79E-07	6.58E-08
2476	497088.9	3858671	5.79E-04	5.93E-04	5.59E-04	2.00E-07	6.05E-07	3.50E-07	3.59E-07	3.25E-07	1.48E-07	1.40E-07	0.00E+00	0.00E+00	6.44E-08	1.22E-08	7.72E-08	1.19E-08	1.08E-08	1.77E-07	1.83E-07	6.70E-08	9.11E-08	3.41E-08	1.83E-07	6.70E-08
2477	497138.9	3858671	5.79E-04	5.93E-04	5.59E-04	2.00E-07	6.05E-07	3.50E-07	3.59E-07	3.25E-07	1.48E-07	1.40E-07	0.00E+00	0.00E+00	6.44E-08	1.22E-08	7.72E-08	1.19E-08	1.08E-08	1.77E-07	1.83E-07	6.70E-08	9.11E-08	3.41E-08	1.83E-07	6.70E-08
2478	497188.9	3858671	5.76E-04	5.90E-04	5.56E-04	1.99E-07	6.02E-07	3.48E-07	3.57E-07	3.23E-07	1.48E-07	1.39E-07	0.00E+00	0.00E+00	6.41E-08	1.21E-08	7.68E-08	1.18E-08	1.08E-08	1.76E-07	1.82E-07	6.66E-08	9.07E-08	3.39E-08	1.82E-07	6.66E-08
2479	497238.9	3858671	5.76E-04	5.90E-04	5.56E-04	1.99E-07	6.02E-07	3.48E-07	3.57E-07	3.23E-07	1.48E-07	1.39E-07	0.00E+00	0.00E+00	6.41E-08	1.21E-08	7.68E-08	1.18E-08	1.08E-08	1.76E-07	1.82E-07	6.66E-08	9.07E-08	3.39E-08	1.82E-07	6.66E-08
2480	497088.9	3858721	5.89E-04	6.03E-04	5.69E-04	2.04E-07	6.15E-07	3.56E-07	3.65E-07	3.31E-07	1.51E-07	1.42E-07	0.00E+00	0.00E+00	6.56E-08	1.24E-08	7.86E-08	1.21E-08	1.10E-08	1.80E-07	1.86E-07	6.82E-08	9.28E-08	3.47E-08	1.86E-07	6.82E-08
2481	497138.9	3858721	5.81E-04	5.96E-04	5.62E-04	2.01E-07	6.08E-07	3.52E-07	3.60E-07	3.27E-07	1.49E-07	1.41E-07	0.00E+00	0.00E+00	6.47E-08	1.22E-08	7.76E-08	1.20E-08	1.09E-08	1.77E-07	1.84E-07	6.73E-08	9.16E-08	3.42E-08	1.84E-07	6.73E-08
2482	497188.9	3858721	5.80E-04	5.94E-04	5.60E-04	2.01E-07	6.06E-07	3.51E-07	3.59E-07	3.26E-07	1.49E-07	1.40E-07	0.00E+00	0.00E+00	6.46E-08	1.22E-08	7.74E-08	1.19E-08	1.09E-08	1.77E-07	1.83E-07	6.71E-08	9.14E-08	3.41E-08	1.83E-07	6.71E-08
2483	497238.9	3858721	5.83E-04	5.97E-04	5.63E-04	2.02E-07	6.09E-07	3.53E-07	3.61E-07	3.28E-07	1.49E-07	1.41E-07	0.00E+00	0.00E+00	6.49E-08	1.23E-08	7.78E-08	1.20E-08	1.09E-08	1.78E-07	1.84E-07	6.75E-08	9.18E-08	3.43E-08	1.84E-07	6.75E-08
2484	497088.9	3858771	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	0.00E+00	0.00E+00	6.62E-08	1.25E-08	7.94E-08	1.22E-08	1.11E-08	1.81E-07	1.88E-07	6.89E-08	9.37E-08	3.50E-08	1.88E-07	6.89E-08
2485	497138.9	3858771	5.92E-04	6.06E-04	5.72E-04	2.05E-07	6.19E-07	3.58E-07	3.67E-07	3.32E-07	1.52E-07	1.43E-07	0.00E+00	0.00E+00	6.59E-08	1.24E-08	7.90E-08	1.22E-08	1.11E-08	1.81E-07	1.87E-07	6.85E-08	9.32E-08	3.48E-08	1.87E-07	6.85E-08
2486	497188.9	3858771	5.89E-04	6.03E-04	5.69E-04	2.04E-07	6.15E-07	3.56E-07	3.65E-07	3.31E-07	1.51E-07	1.42E-07	0.00E+00	0.00E+00	6.56E-08	1.24E-08	7.86E-08	1.21E-08	1.10E-08	1.80E-07	1.86E-07	6.82E-08	9.28E-08	3.47E-08	1.86E-07	6.82E-08
2487	497238.9	3858771	5.90E-04	6.05E-04	5.70E-04	2.04E-07	6.17E-07	3.57E-07	3.66E-07	3.32E-07	1.51E-07	1.43E-07	0.00E+00	0.00E+00	6.57E-08	1.24E-08	7.88E-08	1.22E-08	1.11E-08	1.80E-07	1.86E-07	6.83E-08	9.30E-08	3.48E-08	1.86E-07	6.83E-08
2488	497396.7	3858623	5.77E-04	5.91E-04	5.58E-04	2.00E-07	6.03E-07	3.49E-07	3.58E-07	3.24E-07	1.48E-07	1.40E-07	0.00E+00	0.00E+00	6.42E-08	1.21E-08	7.70E-08	1.19E-08	1.08E-08	1.76E-07	1.82E-07	6.68E-08	9.09E-08	3.40E-08	1.82E-07	6.68E-08
2489	497496.7	3858623	5.81E-04	5.96E-04	5.62E-04	2.01E-07	6.08E-07	3.52E-07	3.60E-07	3.27E-07	1.49E-07	1.41E-07	0.00E+00	0.00E+00	6.47E-08	1.22E-08	7.76E-08	1.20E-08	1.09E-08	1.77E-07	1.84E-07	6.73E-08	9.16E-08	3.42E-08	1.84E-07	6.73E-08
2490	497596.7	3858623	5.93E-04	6.08E-04	5.73E-04	2.05E-07	6.20E-07	3.59E-07	3.68E-07	3.33E-07	1.52E-07	1.43E-07	0.00E+00	0.00E+00	6.60E-08	1.25E-08	7.92E-08	1.22E-08	1.11E-08	1.81E-07	1.87E-07	6.87E-08	9.35E-08	3.49E-08	1.87E-07	6.87E-08
2491	497696.7	3858623	5.96E-04	6.11E-04	5.76E-04	2.06E-07	6.23E-07	3.61E-07	3.70E-07	3.35E-07	1.53E-07	1.44E-07	0.00E+00	0.00E+00	6.64E-08	1.25E-08	7.96E-08	1.23E-08	1.12E-08	1.82E-07	1.88E-07	6.90E-08	9.39E-08	3.51E-08	1.88E-07	6.90E-08
2492	497796.7	3858623	6.02E-04	6.17E-04	5.82E-04	2.08E-07	6.29E-07	3.64E-07	3.73E-07	3.38E-07	1.54E-07	1.46E-07	0.00E+00	0.00E+00	6.70E-08	1.27E-08	8.04E-08	1.24E-08	1.13E-08	1.84E-07	1.90E-07	6.97E-08	9.49E-08	3.54E-08	1.90E-07	6.97E-08
2493	497896.7	3858623	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	0.00E+00	0.00E+00	6.79E-08	1.28E-08	8.14E-08	1.25E-08	1.14E-08	1.86E-07	1.92E-07	7.06E-08	9.60E-08	3.59E-08	1.92E-07	7.06E-08
2494	497396.7	3858723	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	0.00E+00	0.00E+00	6.62E-08	1.25E-08	7.94E-08	1.22E-08	1.11E-08	1.81E-07	1.88E-07	6.89E-08	9.37E-08	3.50E-08	1.88E-07	6.89E-08
2495	497496.7	3858723	5.99E-04	6.14E-04	5.79E-04	2.07E-07	6.26E-07	3.63E-07	3.71E-07	3.37E-07	1.54E-07	1.45E-07	0.00E+00	0.00E+00	6.67E-08	1.26E-08	8.00E-08	1.23E-08	1.12E-08	1.83E-07	1.89E-07	6.94E-08	9.44E-08	3.53E-08	1.89E-07	6.94E-08
2496	497596.7	3858723	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	0.00E+00	0.00E+00	6.79E-08	1.28E-08	8.14E-08	1.25E-08	1.14E-08	1.86E-07	1.92E-07	7.06E-08	9.60E-08	3.59E-08	1.92E-07	7.06E-08
2497	497696.7	3858723	6.14E-04	6.29E-04	5.93E-04	2.13E-07	6.42E-07	3.71E-07	3.80E-07	3.45E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.83E-08	1.29E-08	8.20E-08	1.26E-08	1.15E-08	1.87E-07	1.94E-07	7.11E-08	9.67E-08	3.61E-08	1.94E-07	7.11E-08
2498	497796.7	3858723	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	0.00E+00	0.00E+00	6.87E-08	1.30E-08	8.23E-08	1.27E-08	1.16E-08	1.88E-07	1.95E-07	7.14E-08	9.72E-08	3.63E-08	1.95E-07	7.14E-08
2499	497896.7	3858723	6.23E-04	6.38E-04	6.02E-04	2.16E-07	6.51E-07	3.77E-07	3.86E-07	3.50E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.93E-08	1.31E-08	8.31E-08	1.28E-08	1.17E-08	1.90E-07	1.97E-07	7.21E-08	9.81E-08	3.67E-08	1.97E-07	7.21E-08
2500	497396.7	3858823	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	0.00E+00	0.00E+00	6.79E-08	1.28E-08	8.14E-08	1.25E-08	1.14E-08	1.86E-07	1.92E-07	7.06E-08	9.60E-08	3.59E-08	1.92E-07	7.06E-08
2501	497496.7	3858823	6.12E-04	6.27E-04	5.92E-04	2.12E-07	6.40E-07	3.71E-07	3.80E-07	3.44E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.82E-08	1.29E-08	8.18E-08	1.26E-08	1.15E-08	1.87E-07	1.93E-07	7.09E-08	9.65E-08	3.61E-08	1.93E-07	7.09E-08
2502	497596.7	3858823	6.23E-04	6.38E-04	6.02E-04	2.16E-07	6.51E-07	3.77E-07	3.86E-07	3.50E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.93E-08	1.31E-08	8.31E-08	1.28E-08	1.17E-08	1.90E-07	1.97E-07	7.21E-08	9.81E-08	3.67E-08	1.97E-07	7.21E-08
2503	497696.7	3858823	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	7.00E-08	1.32E-08	8.39E-08	1.29E-08	1.18E-08	1.92E-07	1.98E-07	7.28E-08	9.90E-08	3.70E-08	1.98E-07	7.28E-08
2504	497796.7	3858823	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.33E-08	8.41E-08	1.30E-08	1.18E-08	1.92E-07	1.99E-07	7.30E-08	9.93E-08	3.71E-08	1.99E-07	7.30E-08
2505	497896.7	3858823	6.41E-04	6.56E-04	6.19E-04	2.22E-07	6.69E-07	3.88E-07	3.97E-07	3.60E-07	1.64E-07	1.55E-07	0.00E+00	0.00E+00	7.13E-08	1.35E-08	8.55E-08	1.32E-08	1.20E-08	1.95E-07	2.02E-07	7.41E-08	1.01E-07	3.77E-08	2.02E-07	7.41E-08
2506	497396.7	3858923	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.95E-08	1.31E-08	8.33E-08	1.29E-08	1.17E-08	1.90E-07	1.97E-07	7.23E-08	9.83E-08	3.68E-08	1.97E-07	7.23E-08
2507	497496.7	3858923	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	0.00E+00	0.00E+00	7.06E-08	1.33E-08	8.47E-08	1.31E-08	1.19E-08	1.94E-07	2.00E-07	7.35E-08	1.00E-07	3.74E-08	2.00E-07	7.35E-08
2508	497596.7	3858923	6.33E-04	6.48E-04	6.12E-04	2.19E-07	6.62E-07	3.83E-07	3.92E-07	3.56E-07	1.62E-07	1.53E-07	0.00E+00	0.00E+00	7.05E-08	1.33E-08	8.45E-08	1.30E-08	1.19E-08	1.93E-07	2.00E-07	7.33E-08	9.97E-08	3.73E-08	2.00E-07	7.33E-08
2509	497696.7	3858923	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	0.00E+00	0.00E+00	7.16E-08	1.35E-08	8.59E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.45E-08	1.01E-07	3.79E-08	2.03E-07	7.45E-08

2510	497796.7	3858923	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	0.00E+00	0.00E+00	7.26E-08	1.37E-08	8.71E-08	1.34E-08	1.22E-08	1.99E-07	2.06E-07	7.55E-08	1.03E-07	3.84E-08	2.06E-07	7.55E-08
2511	497896.7	3858923	6.63E-04	6.79E-04	6.40E-04	2.29E-07	6.93E-07	4.01E-07	4.11E-07	3.72E-07	1.70E-07	1.60E-07	0.00E+00	0.00E+00	7.38E-08	1.39E-08	8.85E-08	1.36E-08	1.24E-08	2.02E-07	2.09E-07	7.67E-08	1.04E-07	3.90E-08	2.09E-07	7.67E-08
2512	497364.4	3858202	5.33E-04	5.46E-04	5.15E-04	1.84E-07	5.57E-07	3.22E-07	3.30E-07	2.99E-07	1.37E-07	1.29E-07	0.00E+00	0.00E+00	5.93E-08	1.12E-08	7.11E-08	1.10E-08	9.98E-09	1.63E-07	1.68E-07	6.17E-08	8.39E-08	3.14E-08	1.68E-07	6.17E-08
2513	497414.4	3858202	5.34E-04	5.47E-04	5.16E-04	1.85E-07	5.58E-07	3.23E-07	3.31E-07	3.00E-07	1.37E-07	1.29E-07	0.00E+00	0.00E+00	5.95E-08	1.12E-08	7.13E-08	1.10E-08	1.00E-08	1.63E-07	1.69E-07	6.18E-08	8.42E-08	3.15E-08	1.69E-07	6.18E-08
2514	497464.4	3858202	5.37E-04	5.50E-04	5.19E-04	1.86E-07	5.62E-07	3.25E-07	3.33E-07	3.02E-07	1.38E-07	1.30E-07	0.00E+00	0.00E+00	5.98E-08	1.13E-08	7.17E-08	1.11E-08	1.01E-08	1.64E-07	1.70E-07	6.22E-08	8.46E-08	3.16E-08	1.70E-07	6.22E-08
2515	497514.4	3858202	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	0.00E+00	0.00E+00	6.00E-08	1.13E-08	7.19E-08	1.11E-08	1.01E-08	1.64E-07	1.70E-07	6.24E-08	8.49E-08	3.17E-08	1.70E-07	6.24E-08
2516	497564.4	3858202	5.37E-04	5.50E-04	5.19E-04	1.86E-07	5.62E-07	3.25E-07	3.33E-07	3.02E-07	1.38E-07	1.30E-07	0.00E+00	0.00E+00	5.98E-08	1.13E-08	7.17E-08	1.11E-08	1.01E-08	1.64E-07	1.70E-07	6.22E-08	8.46E-08	3.16E-08	1.70E-07	6.22E-08
2517	497614.4	3858202	5.37E-04	5.50E-04	5.19E-04	1.86E-07	5.62E-07	3.25E-07	3.33E-07	3.02E-07	1.38E-07	1.30E-07	0.00E+00	0.00E+00	5.98E-08	1.13E-08	7.17E-08	1.11E-08	1.01E-08	1.64E-07	1.70E-07	6.22E-08	8.46E-08	3.16E-08	1.70E-07	6.22E-08
2518	497364.4	3858252	5.40E-04	5.53E-04	5.22E-04	1.87E-07	5.65E-07	3.27E-07	3.35E-07	3.03E-07	1.38E-07	1.31E-07	0.00E+00	0.00E+00	6.01E-08	1.14E-08	7.21E-08	1.11E-08	1.01E-08	1.65E-07	1.70E-07	6.25E-08	8.51E-08	3.18E-08	1.70E-07	6.25E-08
2519	497414.4	3858252	5.43E-04	5.56E-04	5.25E-04	1.88E-07	5.68E-07	3.29E-07	3.37E-07	3.05E-07	1.39E-07	1.31E-07	0.00E+00	0.00E+00	6.05E-08	1.14E-08	7.25E-08	1.12E-08	1.02E-08	1.66E-07	1.71E-07	6.29E-08	8.56E-08	3.20E-08	1.71E-07	6.29E-08
2520	497464.4	3858252	5.42E-04	5.55E-04	5.23E-04	1.87E-07	5.66E-07	3.28E-07	3.36E-07	3.04E-07	1.39E-07	1.31E-07	0.00E+00	0.00E+00	6.03E-08	1.14E-08	7.23E-08	1.11E-08	1.01E-08	1.65E-07	1.71E-07	6.27E-08	8.53E-08	3.19E-08	1.71E-07	6.27E-08
2521	497514.4	3858252	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	0.00E+00	0.00E+00	6.00E-08	1.13E-08	7.19E-08	1.11E-08	1.01E-08	1.64E-07	1.70E-07	6.24E-08	8.49E-08	3.17E-08	1.70E-07	6.24E-08
2522	497564.4	3858252	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	0.00E+00	0.00E+00	6.00E-08	1.13E-08	7.19E-08	1.11E-08	1.01E-08	1.64E-07	1.70E-07	6.24E-08	8.49E-08	3.17E-08	1.70E-07	6.24E-08
2523	497614.4	3858252	5.37E-04	5.50E-04	5.19E-04	1.86E-07	5.62E-07	3.25E-07	3.33E-07	3.02E-07	1.38E-07	1.30E-07	0.00E+00	0.00E+00	5.98E-08	1.13E-08	7.17E-08	1.11E-08	1.01E-08	1.64E-07	1.70E-07	6.22E-08	8.46E-08	3.16E-08	1.70E-07	6.22E-08
2524	497364.4	3858302	5.45E-04	5.58E-04	5.26E-04	1.89E-07	5.69E-07	3.30E-07	3.38E-07	3.06E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.06E-08	1.15E-08	7.27E-08	1.12E-08	1.02E-08	1.66E-07	1.72E-07	6.30E-08	8.58E-08	3.21E-08	1.72E-07	6.30E-08
2525	497414.4	3858302	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.08E-08	1.15E-08	7.29E-08	1.12E-08	1.02E-08	1.67E-07	1.72E-07	6.32E-08	8.60E-08	3.21E-08	1.72E-07	6.32E-08
2526	497464.4	3858302	5.43E-04	5.56E-04	5.25E-04	1.88E-07	5.68E-07	3.29E-07	3.37E-07	3.05E-07	1.39E-07	1.31E-07	0.00E+00	0.00E+00	6.05E-08	1.14E-08	7.25E-08	1.12E-08	1.02E-08	1.66E-07	1.71E-07	6.29E-08	8.56E-08	3.20E-08	1.71E-07	6.29E-08
2527	497514.4	3858302	5.42E-04	5.55E-04	5.23E-04	1.87E-07	5.66E-07	3.28E-07	3.36E-07	3.04E-07	1.39E-07	1.31E-07	0.00E+00	0.00E+00	6.03E-08	1.14E-08	7.23E-08	1.11E-08	1.01E-08	1.65E-07	1.71E-07	6.27E-08	8.53E-08	3.19E-08	1.71E-07	6.27E-08
2528	497564.4	3858302	5.40E-04	5.53E-04	5.22E-04	1.87E-07	5.65E-07	3.27E-07	3.35E-07	3.03E-07	1.38E-07	1.31E-07	0.00E+00	0.00E+00	6.01E-08	1.14E-08	7.21E-08	1.11E-08	1.01E-08	1.65E-07	1.70E-07	6.25E-08	8.51E-08	3.18E-08	1.70E-07	6.25E-08
2529	497614.4	3858302	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	0.00E+00	0.00E+00	6.00E-08	1.13E-08	7.19E-08	1.11E-08	1.01E-08	1.64E-07	1.70E-07	6.24E-08	8.49E-08	3.17E-08	1.70E-07	6.24E-08
2530	497364.4	3858352	5.49E-04	5.62E-04	5.30E-04	1.90E-07	5.74E-07	3.32E-07	3.40E-07	3.08E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.11E-08	1.15E-08	7.33E-08	1.13E-08	1.03E-08	1.68E-07	1.73E-07	6.36E-08	8.65E-08	3.23E-08	1.73E-07	6.36E-08
2531	497414.4	3858352	5.48E-04	5.61E-04	5.29E-04	1.90E-07	5.72E-07	3.31E-07	3.39E-07	3.08E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.10E-08	1.15E-08	7.31E-08	1.13E-08	1.03E-08	1.67E-07	1.73E-07	6.34E-08	8.63E-08	3.22E-08	1.73E-07	6.34E-08
2532	497464.4	3858352	5.48E-04	5.61E-04	5.29E-04	1.90E-07	5.72E-07	3.31E-07	3.39E-07	3.08E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.10E-08	1.15E-08	7.31E-08	1.13E-08	1.03E-08	1.67E-07	1.73E-07	6.34E-08	8.63E-08	3.22E-08	1.73E-07	6.34E-08
2533	497514.4	3858352	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.08E-08	1.15E-08	7.29E-08	1.12E-08	1.02E-08	1.67E-07	1.72E-07	6.32E-08	8.60E-08	3.21E-08	1.72E-07	6.32E-08
2534	497564.4	3858352	5.43E-04	5.56E-04	5.25E-04	1.88E-07	5.68E-07	3.29E-07	3.37E-07	3.05E-07	1.39E-07	1.31E-07	0.00E+00	0.00E+00	6.05E-08	1.14E-08	7.25E-08	1.12E-08	1.02E-08	1.66E-07	1.71E-07	6.29E-08	8.56E-08	3.20E-08	1.71E-07	6.29E-08
2535	497614.4	3858352	5.42E-04	5.55E-04	5.23E-04	1.87E-07	5.66E-07	3.28E-07	3.36E-07	3.04E-07	1.39E-07	1.31E-07	0.00E+00	0.00E+00	6.03E-08	1.14E-08	7.23E-08	1.11E-08	1.01E-08	1.65E-07	1.71E-07	6.27E-08	8.53E-08	3.19E-08	1.71E-07	6.27E-08
2536	497364.4	3858402	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.13E-08	1.16E-08	7.35E-08	1.13E-08	1.03E-08	1.68E-07	1.74E-07	6.37E-08	8.67E-08	3.24E-08	1.74E-07	6.37E-08
2537	497414.4	3858402	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.13E-08	1.16E-08	7.35E-08	1.13E-08	1.03E-08	1.68E-07	1.74E-07	6.37E-08	8.67E-08	3.24E-08	1.74E-07	6.37E-08
2538	497464.4	3858402	5.49E-04	5.62E-04	5.30E-04	1.90E-07	5.74E-07	3.32E-07	3.40E-07	3.08E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.11E-08	1.15E-08	7.33E-08	1.13E-08	1.03E-08	1.68E-07	1.73E-07	6.36E-08	8.65E-08	3.23E-08	1.73E-07	6.36E-08
2539	497514.4	3858402	5.48E-04	5.61E-04	5.29E-04	1.90E-07	5.72E-07	3.31E-07	3.39E-07	3.08E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.10E-08	1.15E-08	7.31E-08	1.13E-08	1.03E-08	1.67E-07	1.73E-07	6.34E-08	8.63E-08	3.22E-08	1.73E-07	6.34E-08
2540	497564.4	3858402	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.13E-08	1.16E-08	7.35E-08	1.13E-08	1.03E-08	1.68E-07	1.74E-07	6.37E-08	8.67E-08	3.24E-08	1.74E-07	6.37E-08
2541	497614.4	3858402	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.13E-08	1.16E-08	7.35E-08	1.13E-08	1.03E-08	1.68E-07	1.74E-07	6.37E-08	8.67E-08	3.24E-08	1.74E-07	6.37E-08
2542	493478.1	3860498	2.69E-03	2.75E-03	2.60E-03	9.31E-07	2.81E-06	1.63E-06	1.67E-06	1.51E-06	6.89E-07	6.50E-07	0.00E+00	0.00E+00	2.99E-07	5.66E-08	3.59E-07	5.54E-08	5.03E-08	8.21E-07	8.49E-07	3.11E-07	4.24E-07	1.58E-07	8.49E-07	3.11E-07
2543	493528.1	3860498	2.64E-03	2.70E-03	2.55E-03	9.13E-07	2.76E-06	1.60E-06	1.64E-06	1.48E-06	6.76E-07	6.38E-07	0.00E+00	0.00E+00	2.94E-07	5.55E-08	3.52E-07	5.43E-08	4.94E-08	8.05E-07	8.33E-07	3.05E-07	4.16E-07	1.55E-07	8.33E-07	3.05E-07
2544	493478.1	3860548	2.80E-03	2.87E-03	2.70E-03	9.69E-07	2.93E-06	1.69E-06	1.74E-06	1.57E-06	7.18E-07	6.77E-07	0.00E+00	0.00E+00	3.12E-07	5.89E-08	3.74E-07	5.76E-08	5.24E-08	8.54E-07	8.84E-07	3.24E-07	4.41E-07	1.65E-07	8.84E-07	3.24E-07
2545	493528.1	3860548	2.75E-03	2.82E-03	2.66E-03	9.52E-07	2.88E-06	1.66E-06	1.70E-06	1.55E-06	7.05E-07	6.65E-07	0.00E+00	0.00E+00	3.06E-07	5.79E-08	3.67E-07	5.66E-08	5.15E-08	8.39E-07	8.68E-07	3.18E-07	4.33E-07	1.62E-07	8.68E-07	3.18E-07
2546	493478.1	3860598	2.92E-03	2.99E-03	2.82E-03	1.01E-06	3.05E-06	1.77E-06	1.81E-06	1.64E-06	7.48E-07	7.05E-07	0.00E+00	0.00E+00	3.25E-07	6.14E-08	3.89E-07	6.01E-08	5.46E-08	8.90E-07	9.21E-07	3.38E-07	4.60E-07	1.72E-07	9.21E-07	3.38E-07
2547	493528.1	3860598	2.86E-03	2.93E-03	2.77E-03	9.91E-07	2.99E-06	1.73E-06	1.77E-06	1.61E-06	7.34E-07	6.92E-07	0.00E+00	0.00E+00	3.19E-07	6.02E-08	3.82E-07	5.89E-08	5.36E-08	8.74E-07	9.04E-07	3.31E-07	4.51E-07	1.69E-07	9.04E-07	3.31E-07
2548	493561.9	3860525	2.66E-03	2.73E-03	2.57E-03	9.21E-07	2.78E-06	1.61E-06	1.65E-06	1.49E-06	6.82E-07	6.43E-07	0.00E+00	0.00E+00	2.96E-07	5.60E-08	3.55E-07	5.48E-08	4.98E-08	8.12E-07	8.40E-07	3.08E-07	4.19E-07	1.57E-07	8.40E-07	3.08E-07
2549	493591.9	3860525	2.62E-03	2.69E-03	2.54E-03	9.08E-07	2.74E-06	1.59E-06	1.63E-06	1.47E-06	6.73E-07	6.34E-07	0.00E+00	0.00E+00	2.92E-07	5.52E-08	3.50E-07	5.40E-08	4.91E-08	8.01E-07	8.28E-07	3.04E-07	4.13E-07	1.54E-07	8.28E-07	3.04E-07
2550	493561.9	3860555	2.73E-03	2.79E-03	2.64E-03	9.45E-07	2.85E-06	1.65E-06	1.69E-06	1.53E-06	7.00E-07	6.60E-07	0.00E+00	0.00E+00	3.04E-07	5.74E-08	3.64E-07	5.62E-08	5.11E-08	8.33E-07	8.61E-07	3.16E-07	4.30E-07	1.61E-07	8.61E-07	3.16E-07
2551	493591.9	3860555	2.68E-03	2.75E-03	2.59E-03	9.29E-07	2.81E-06	1.62E-06	1.66E-06	1.51E-06	6.88E-07	6.49E-07	0.00E+00	0.00E+00	2.99E-07	5.65E-08	3.58E-07	5.53E-08	5.03E-08	8.19E-07	8.47E-07	3.11E-07	4.23E-07	1.58E-07	8.47E-07	3.11E-07
2552	492880.5	3860293	3.16E-03	3.24E-03	3.05E-03	1.09E-06	3.30E-06	1.91E-06	1.96E-06	1.78E-06	8.10E-07	7.64E-07	0.00E+00	0.00E+00	3.52E-07	6.65E-08	4.22E-07	6.51E-08	5.92E-08	9.65E-07	9.98E-07	3.66E-07	4.98E-07	1.86E-07	9.98E-07	3.66E-07
2553	492930.5	3860293	3.05E-03	3.13E-03	2.95E-03	1.06E-06	3.19E-06	1.85E-06	1.89E-06	1.72E-06	7.83E-07	7.38E-07	0.00E+00	0.00E+00	3.40E-07	6.42E-08	4.08E-07	6.29E-08	5.72E-08	9.32E-07	9.64E-07	3.53E-07	4.81E-07	1.80E-07	9.64E-07	3.53E-07
2554	492980.5	3860293	2.95E-03	3.02E-03	2.85E-03	1.02E-06	3.08E-06	1.78E-06	1.83E-06	1.66E-06	7.56E-07	7.13E-07	0.00E+00	0.00E+00	3.28E-07	6.20E-08	3.93E-07	6.07E-08	5.52E-08	8.99E-07	9.30E-07	3.41E-07	4.64E-07	1.74E-07	9.30E-07	3.41E-07
2555	493030.5	3860293	2.77E-03	2.84E-03	2.68E-03	9.59E-07	2.90E-06	1.68E-06	1.72E-06	1.56E-06	7.10E-07	6.70E-07	0.00E+00	0.00E+00	3.08E-07	5.83E-08	3.70E-07	5.70E-08	5.19E-08	8.45E-07	8.74E-07	3.21E-07	4.36E-07	1.63E-07	8.74E-07	3.21E-07
2556	493080.5	3860293	2.60E-03	2.66E-03	2.51E-03	9.00E-07	2.72E-06	1.57E-06	1.61E-06	1.46E-06	6.67E-07	6.29E-07	0.00E+00	0.00E+00	2.89E-07	5.47E-08	3.47E-07	5.35E-08	4.87E-08	7.94E-07	8.21E-07	3.01E-07	4.10E-07	1.53E-07	8.21E-07	3.01E-07
2557	493130.5	3860293	2.62E-03	2.68E-03	2.53E-03	9.05E-07	2.73E-06	1.58E-06	1.62E-06	1.47E-06	6.70E-07	6.32E-07	0.00E+00	0.00E+00	2.91E-07	5.50E-08	3.49E-07	5.38E-08	4.90E-08	7.98E-07	8.25E-07	3.03E-07	4.12E-07	1.54E-07	8.25E-07	3.03E-07
2558	493180.5	3860293	2.61E-03	2.67E-03	2.52E-03	9.04E-07	2.73E-06	1.58E-06	1.62E-06	1.47E-06	6.69E-07	6.31E-07	0.00E+00	0.00E+00	2.91E-07	5.49E-08	3.48E-07	5.37E-08	4.89E-08	7.97E-07	8.24E-07	3.02E-07	4.11E-07	1.54E-07	8.24E-07	3.02E-07
2559	493230.5	3860293	2.56E-03	2.63E-03	2.48E-03	8.87E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.57E-07	6.20E-07	0.00E+00	0.00E+00	2.85E-07	5.39E-08	3.42E-07	5.28E-08	4.80E-08	7.82E-07	8.09E-07	2.97E-07	4.04E-07	1.51E-07	8.09E-07	2.97E-07
2560	493280.5	3860293	2.47E-03	2.53E-03	2.39E-03	8.55E-07	2.58E-06	1.49E-06	1.53E-06	1.39E-06	6.33E-07	5.97E-07	0.00E+00	0.00E+00	2.75E-07	5.19E-08	3.30E-07	5.08E-08	4.62E-08	7.53E-07	7.79E-07	2.86E-07	3.89E-07	1.45E-07	7.79E-07	2.86E-07
2561	493330.5	3860293	2.40E-03	2.46E-03	2.32E-03	8.31E-07	2.51E-06	1.45E-06	1.49E-06	1.35E-06	6.16E-07	5.81E-07	0.00E+00	0.00E+00	2.67E-07	5.05E-08	3.21E-07	4.94E-08	4.50E-08	7.33E-07	7.58E-07	2.78E-07	3.78E-07	1.41E-07	7.58E-07	2.78E-07
2562	493380.5	3860293	2.35E-03	2.40E-03	2.27E-03	8.12E-07	2.45E-06	1.42E-06	1.45E-06	1.32E-06	6.02E-07	5.67E-07	0.00E+00	0.00E+00	2.61E-07	4.94E-08	3.13E-07	4.83E-08	4.39E-08	7.16E-07	7.41E-07	2.72E-07	3.70E-07	1.38E-07	7.41E-07	2.72E-07
2563	492880.5	3860343	3.31E-03	3.39E-03	3.20E-03	1.15E-06	3.46E-06	2.00E-06	2.05E-06	1.86E-06	8.48E-07	8.00E-07	0.00E+00	0.00E+00	3.68E-07	6.96E-08	4.42E-07	6.81E-08	6.20E-08	1.01E-06	1.04E-06	3.83E-07	5.21E-07	1.95E-07	1.04E-06	3.83E-07
2564	492930.5	3860343	3.20E-03	3.28E-03	3.09E-03	1.11E-06	3.34E-06	1.94E-06	1.98E-06	1.80E-06	8.20E-07	7.74E-07	0.00E+00	0.00E+00	3.56E-07	6.73E-08	4.27E-07	6.59E-08	5.99E-08	9.76E-07	1.01E-06	3.70E-07	5.04E-07	1.88E-07	1.01E-06	3.70E-07
2565	492980.5	3860343	3.01E-03	3.08E-03	2.91E-03	1.04E-06	3.15E-06	1.82E-06	1.86E-06	1.69E-06	7.71E-07	7.28E-07	0.00E+00	0.00E+00	3.35E-07	6.33E-08	4.02E-07	6.19E-08	5.63E-08	9.18E-07	9.50E-07	3.48E-07	4.74E-07	1.77E-07	9.50E-07	3.48E-07
2566	493030.5	3860343	2.91E-03	2.99E-03	2.82E-03	1.01E-06	3.05E-06	1.76E-06	1.81E-06	1.64E-06	7.47E-07	7.05E-07	0.00E+00	0.00E+00	3.24E-07	6.13E-08	3.89E-07	6.00E-08	5.46E-08	8.89E-07	9.20E-07	3.37E-07	4.59E-07	1.72E-07	9.20E-07	3.37E-07
2567	493080.5	3860343	2.75E-03	2.82E-03	2.66E-03	9.52E-07	2.88E-06	1.66E-06	1.70E-06	1.55E-06	7.05E-07	6.65E-07	0.00E+00	0.00E+00	3.06E-07	5.79E-08	3.67E-07	5.66E-08	5.15E-08	8.39E-07	8.68E-07	3.18E-07	4.33E-07	1.62E-07	8.68E-07	3.18E-07
2568	493130.5	3860343	2.71E-03	2.78E-03	2.62E-03	9.39E-07	2.83E-06	1.64E-06	1.68E-06	1.52E-06	6.95E-07	6.56E-07	0.00E+00	0.00E+00	3.02E-07	5.70E-08	3.62E-07	5.58E-08	5.08E-08	8.27E-07	8.56E-07	3.14E-07	4.27E-07	1.60E-07	8.56E-07	3.14E-07
2569	493180.5	3860343	2.71E-03	2.77E-03	2.62E-03	9.37E-07	2.83E-06	1.64E-06	1.68E-06	1.52E-06	6.94E-07	6.55E-07	0.00E+00	0.00E+00	3.01E-07	5.70E-08	3.61E-07	5.57E-08	5.07E-08	8.26E-07	8.55E-07	3.14E-07	4.27E-07	1.59E-07	8.55E-07	3.14E-07
2570	493230.5	3860343	2.66E-03	2.72E-03	2.57E-03	9.21E-07	2.78E-06	1.61E-06	1.65E-06	1.49E-06	6.82E-07	6.43E-07	0.00E+00	0.00E+00	2.96E-07	5.59E-08	3.55E-07	5.47E-08	4.98E-08	8.12E-07	8.39E-07	3.08E-07	4.19E-07	1.57E-07	8.39E-07	3.08E-07
2571	493280.5	3860343	2.56E-03	2.62E-03	2.47E-03	8.86E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.56E-07	6.19E-07	0.00E+00	0.00E+00	2.85E-07	5.39E-08	3.42E-07	5.27E-08	4.79E-08	7.81E-07	8.08E-07	2.96E-07	4.03E-07	1.51E-07	8.08E-07	2.96E-07
2572	493330.5	3860343	2.48E-03	2.54E-03	2.40E-03	8.59E-07	2.59E-06	1.50E-06	1.54E-06	1.39E-06	6.36E-07	6.00E-07	0.00E+00	0.00E+00	2.76E-07	5.22E-08	3.31E-07	5.11E-08	4.65E-08	7.57E-07	7.83E-07	2.87E-07	3.91E-07	1.46E-07	7.83E-07	2.87E-07
2573	493380.5	3860343	2.43E-03	2.49E-03	2.35E-03	8.40E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.22E-07	5.87E-07	0.00E+00	0.00E+00	2.70E-07	5.11E-08	3.24E-07	5.00E-08	4.55E-08	7.41E-07	7.66E-07	2.81E-07	3.82E-07	1.43E-07	7.66E-07	2.81E-07
2574	492880.5	3860393	3.47E-03	3.55E-03	3.35E-03	1.20E-06	3.63E-06	2.10E-06	2.15E-06	1.95E-06	8.89E-07	8.39E-07	0.00E+00	0.00E+00	3.86E-07	7.30E-08	4.63E-07	7.14E-08	6.49E-08	1.06E-06	1.09E-06	4.01E-07	5.46E-07	2.04E-07	1.09E-06	4.01E-07
2575	492930.5	3860393	3.34E-03	3.42E-03	3.23E-03	1.16E-06	3.49E-06	2.02E-06	2.07E-06	1.88E-06	8.56E-07	8.07E-07	0.00E+00	0.00E+00	3.72E-07	7.02E-08	4.46E-07	6.87E-08	6.25E-08	1.02E-06	1.05E-06	3.86E-07	5.26E-07	1.97E-07	1.05E-06	3.86E-07
2576	492980.5	3860393	3.18E-03	3.26E-03	3.08E-03	1.10E-06	3.33E-06	1.93E-06	1.97E-06	1.79E-06	8.16E-07	7.70E-07	0.00E+00	0.00E+00	3.54E-07	6.70E-08	4.25E-07	6.55E-08	5.96E-08	9.71E-07	1.00E-06	3.69E-07	5.02E-07	1.87E-07	1.00E-06	3.69E-07
2577	493030.5	3860393	3.06E-03	3.13E-03	2.95E-03	1.06E-06	3.20E-06	1.85E-06	1.90E-06	1.72E-06	7.84E-07	7.39E-07	0.00E+00	0.00E+00	3.40E-07	6.43E-08	4.08E-07	6.29E-08	5.73E-08	9.33E-07	9.65E-07	3.54E-07	4.82E-07	1.80E-07	9.65E-07	3.54E-07
2578	493080.5	3860393	2.88E-03	2.95E-03	2.79E-03	9.98E-07	3.01E-06	1.74E-06	1.79E-06	1.62E-06	7.39E-07	6.97E-07	0.00E+00	0.00E+00	3.21E-07	6.07E-08	3.85E-07	5.94E-08	5.40E-08	8.80E-07	9.10E-07	3.34E-07	4.54E-07	1.70E-07	9.10E-07	3.34E-07
2579	493130.5	3860393	2.85E-03	2.92E-03	2.76E-03	9.88E-07	2.98E-06	1.73E-06	1.77E-06	1.60E-06	7.31E-07	6.90E-07	0.00E+00	0.00E+00	3.18E-07	6.00E-08	3.81E-07	5.87E-08	5.34E-08	8.71E-07	9.00E-07	3.30E-07	4.49E-07	1.68E-07	9.00E-07	3.30E-07
2580	493180.5	3860393	2.84E-03	2.91E-03	2.74E-03	9.83E-07	2.97E-06	1.72E-06	1.76E-06	1.60E-06	7.28E-07	6.87E-07	0.00E+00	0.00E+00	3.16E-07	5.98E-08	3.79E-07	5.85E-08	5.32E-08	8.67E-07	8.97E-07	3.29E-07	4.48E-07	1.67E-07	8.97E-07	3.29E-07
2581	493230.5	3860393	2.77E-03	2.84E-03	2.67E-03	9.58E-07	2.89E-06	1.68E-06	1.72E-06	1.56E-06	7.10E-07	6.69E-07	0.00E+00	0.00E+00	3.08E-07	5.82E-08	3.70E-07	5.70E-08	5.18E-08	8.45E-07	8.74E-07	3.21E-07	4.36E-07	1.63E-07	8.74E-07	3.21E-07
2582	493280.5	3860393	2.66E-03	2.72E-03	2.57E-03	9.21E-07	2.78E-06	1.61E-06	1.65E-06	1.49E-06	6.82E-07	6.43E-07	0.00E+00	0.00E+00	2.96E-07	5.59E-08	3.55E-07	5.47E-08	4.98E-08	8.12E-07	8.39E-07	3.08E-07	4.19E-07	1.57E-07	8.39E-07	3.08E-07
2583	493330.5	3860393	2.58E-03	2.64E-03	2.49E-03	8.92E-07	2.69E-06	1.56E-06	1.60E-06	1.45E-06	6.60E-07	6.23E-07	0.00E+00	0.00E+00	2.87E-07	5.42E-08	3.44E-07	5.30E-08	4.82E-08	7.86E-07	8.13E-07	2.98E-07	4.06E-07	1.52E-07	8.13E-07	2.98E-07

2584	493380.5	3860393	2.51E-03	2.57E-03	2.43E-03	8.70E-07	2.63E-06	1.52E-06	1.56E-06	1.41E-06	6.44E-07	6.08E-07	0.00E+00	0.00E+00	2.80E-07	5.29E-08	3.35E-07	5.17E-08	4.71E-08	7.67E-07	7.93E-07	2.91E-07	3.96E-07	1.48E-07	7.93E-07	2.91E-07
2585	492880.5	3860443	3.63E-03	3.72E-03	3.51E-03	1.26E-06	3.79E-06	2.20E-06	2.25E-06	2.04E-06	9.30E-07	8.77E-07	0.00E+00	0.00E+00	4.04E-07	7.63E-08	4.84E-07	7.47E-08	6.79E-08	1.11E-06	1.15E-06	4.20E-07	5.72E-07	2.14E-07	1.15E-06	4.20E-07
2586	492930.5	3860443	3.51E-03	3.60E-03	3.39E-03	1.22E-06	3.67E-06	2.13E-06	2.18E-06	1.97E-06	9.00E-07	8.49E-07	0.00E+00	0.00E+00	3.91E-07	7.39E-08	4.69E-07	7.23E-08	6.58E-08	1.07E-06	1.11E-06	4.07E-07	5.53E-07	2.07E-07	1.11E-06	4.07E-07
2587	492980.5	3860443	3.37E-03	3.45E-03	3.25E-03	1.17E-06	3.52E-06	2.04E-06	2.09E-06	1.89E-06	8.63E-07	8.14E-07	0.00E+00	0.00E+00	3.75E-07	7.08E-08	4.49E-07	6.93E-08	6.30E-08	1.03E-06	1.06E-06	3.90E-07	5.30E-07	1.98E-07	1.06E-06	3.90E-07
2588	493030.5	3860443	3.23E-03	3.31E-03	3.12E-03	1.12E-06	3.38E-06	1.95E-06	2.00E-06	1.81E-06	8.28E-07	7.81E-07	0.00E+00	0.00E+00	3.60E-07	6.80E-08	4.31E-07	6.65E-08	6.05E-08	9.86E-07	1.02E-06	3.74E-07	5.09E-07	1.90E-07	1.02E-06	3.74E-07
2589	493080.5	3860443	3.12E-03	3.20E-03	3.02E-03	1.08E-06	3.27E-06	1.89E-06	1.94E-06	1.76E-06	8.01E-07	7.55E-07	0.00E+00	0.00E+00	3.48E-07	6.57E-08	4.17E-07	6.43E-08	5.85E-08	9.53E-07	9.86E-07	3.62E-07	4.92E-07	1.84E-07	9.86E-07	3.62E-07
2590	493130.5	3860443	3.03E-03	3.10E-03	2.92E-03	1.05E-06	3.16E-06	1.83E-06	1.88E-06	1.70E-06	7.76E-07	7.32E-07	0.00E+00	0.00E+00	3.37E-07	6.37E-08	4.04E-07	6.23E-08	5.67E-08	9.24E-07	9.55E-07	3.50E-07	4.77E-07	1.78E-07	9.55E-07	3.50E-07
2591	493180.5	3860443	3.00E-03	3.07E-03	2.89E-03	1.04E-06	3.13E-06	1.81E-06	1.86E-06	1.68E-06	7.68E-07	7.24E-07	0.00E+00	0.00E+00	3.34E-07	6.30E-08	4.00E-07	6.17E-08	5.61E-08	9.14E-07	9.46E-07	3.47E-07	4.72E-07	1.76E-07	9.46E-07	3.47E-07
2592	493230.5	3860443	2.87E-03	2.94E-03	2.78E-03	9.95E-07	3.00E-06	1.74E-06	1.78E-06	1.61E-06	7.37E-07	6.95E-07	0.00E+00	0.00E+00	3.20E-07	6.04E-08	3.84E-07	5.91E-08	5.38E-08	8.77E-07	9.07E-07	3.33E-07	4.53E-07	1.69E-07	9.07E-07	3.33E-07
2593	493280.5	3860443	2.78E-03	2.85E-03	2.69E-03	9.63E-07	2.91E-06	1.68E-06	1.72E-06	1.56E-06	7.13E-07	6.72E-07	0.00E+00	0.00E+00	3.10E-07	5.85E-08	3.71E-07	5.72E-08	5.21E-08	8.48E-07	8.78E-07	3.22E-07	4.38E-07	1.64E-07	8.78E-07	3.22E-07
2594	493330.5	3860443	2.67E-03	2.74E-03	2.58E-03	9.25E-07	2.79E-06	1.62E-06	1.66E-06	1.50E-06	6.85E-07	6.46E-07	0.00E+00	0.00E+00	2.98E-07	5.62E-08	3.57E-07	5.50E-08	5.00E-08	8.16E-07	8.44E-07	3.09E-07	4.21E-07	1.57E-07	8.44E-07	3.09E-07
2595	493380.5	3860443	2.62E-03	2.69E-03	2.54E-03	9.08E-07	2.74E-06	1.59E-06	1.63E-06	1.47E-06	6.73E-07	6.34E-07	0.00E+00	0.00E+00	2.92E-07	5.52E-08	3.50E-07	5.40E-08	4.91E-08	8.01E-07	8.28E-07	3.04E-07	4.13E-07	1.54E-07	8.28E-07	3.04E-07
2596	493180.5	3860493	3.11E-03	3.19E-03	3.01E-03	1.08E-06	3.25E-06	1.88E-06	1.93E-06	1.75E-06	7.98E-07	7.53E-07	0.00E+00	0.00E+00	3.47E-07	6.55E-08	4.16E-07	6.41E-08	5.83E-08	9.50E-07	9.83E-07	3.60E-07	4.91E-07	1.83E-07	9.83E-07	3.60E-07
2597	493230.5	3860493	3.01E-03	3.08E-03	2.90E-03	1.04E-06	3.14E-06	1.82E-06	1.86E-06	1.69E-06	7.71E-07	7.27E-07	0.00E+00	0.00E+00	3.35E-07	6.32E-08	4.01E-07	6.19E-08	5.63E-08	9.17E-07	9.49E-07	3.48E-07	4.74E-07	1.77E-07	9.49E-07	3.48E-07
2598	493280.5	3860493	2.90E-03	2.97E-03	2.80E-03	1.00E-06	3.03E-06	1.76E-06	1.80E-06	1.63E-06	7.44E-07	7.02E-07	0.00E+00	0.00E+00	3.23E-07	6.10E-08	3.87E-07	5.97E-08	5.43E-08	8.85E-07	9.16E-07	3.36E-07	4.57E-07	1.71E-07	9.16E-07	3.36E-07
2599	493330.5	3860493	2.81E-03	2.88E-03	2.72E-03	9.74E-07	2.94E-06	1.70E-06	1.74E-06	1.58E-06	7.21E-07	6.80E-07	0.00E+00	0.00E+00	3.13E-07	5.92E-08	3.75E-07	5.79E-08	5.27E-08	8.58E-07	8.88E-07	3.26E-07	4.43E-07	1.66E-07	8.88E-07	3.26E-07
2600	493380.5	3860493	2.76E-03	2.83E-03	2.67E-03	9.55E-07	2.88E-06	1.67E-06	1.71E-06	1.55E-06	7.07E-07	6.67E-07	0.00E+00	0.00E+00	3.07E-07	5.81E-08	3.68E-07	5.68E-08	5.17E-08	8.42E-07	8.71E-07	3.19E-07	4.35E-07	1.62E-07	8.71E-07	3.19E-07
2601	493330.5	3860543	2.94E-03	3.01E-03	2.84E-03	1.02E-06	3.07E-06	1.78E-06	1.82E-06	1.65E-06	7.54E-07	7.11E-07	0.00E+00	0.00E+00	3.27E-07	6.19E-08	3.93E-07	6.05E-08	5.51E-08	8.98E-07	9.28E-07	3.40E-07	4.63E-07	1.73E-07	9.28E-07	3.40E-07
2602	493380.5	3860543	2.88E-03	2.95E-03	2.79E-03	9.98E-07	3.01E-06	1.74E-06	1.79E-06	1.62E-06	7.39E-07	6.97E-07	0.00E+00	0.00E+00	3.21E-07	6.07E-08	3.85E-07	5.94E-08	5.40E-08	8.80E-07	9.10E-07	3.34E-07	4.54E-07	1.70E-07	9.10E-07	3.34E-07
2603	494135.9	3860877	2.97E-03	3.04E-03	2.87E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.67E-06	7.62E-07	7.18E-07	0.00E+00	0.00E+00	3.31E-07	6.25E-08	3.97E-07	6.12E-08	5.56E-08	9.07E-07	9.38E-07	3.44E-07	4.68E-07	1.75E-07	9.38E-07	3.44E-07
2604	494185.9	3860877	2.92E-03	2.99E-03	2.82E-03	1.01E-06	3.06E-06	1.77E-06	1.81E-06	1.64E-06	7.49E-07	7.07E-07	0.00E+00	0.00E+00	3.25E-07	6.15E-08	3.90E-07	6.02E-08	5.47E-08	8.92E-07	9.23E-07	3.38E-07	4.61E-07	1.72E-07	9.23E-07	3.38E-07
2605	494135.9	3860927	3.17E-03	3.25E-03	3.06E-03	1.10E-06	3.31E-06	1.92E-06	1.96E-06	1.78E-06	8.13E-07	7.67E-07	0.00E+00	0.00E+00	3.53E-07	6.67E-08	4.23E-07	6.53E-08	5.94E-08	9.67E-07	1.00E-06	3.67E-07	4.99E-07	1.87E-07	1.00E-06	3.67E-07
2606	494185.9	3860927	3.11E-03	3.19E-03	3.01E-03	1.08E-06	3.25E-06	1.88E-06	1.93E-06	1.75E-06	7.98E-07	7.53E-07	0.00E+00	0.00E+00	3.47E-07	6.55E-08	4.16E-07	6.41E-08	5.83E-08	9.50E-07	9.83E-07	3.60E-07	4.91E-07	1.83E-07	9.83E-07	3.60E-07
2607	494135.9	3860977	3.40E-03	3.48E-03	3.29E-03	1.18E-06	3.55E-06	2.06E-06	2.11E-06	1.91E-06	8.72E-07	8.22E-07	0.00E+00	0.00E+00	3.79E-07	7.15E-08	4.54E-07	7.00E-08	6.37E-08	1.04E-06	1.07E-06	3.94E-07	5.36E-07	2.00E-07	1.07E-06	3.94E-07
2608	494185.9	3860977	3.34E-03	3.42E-03	3.22E-03	1.15E-06	3.49E-06	2.02E-06	2.07E-06	1.87E-06	8.55E-07	8.06E-07	0.00E+00	0.00E+00	3.71E-07	7.02E-08	4.45E-07	6.87E-08	6.24E-08	1.02E-06	1.05E-06	3.86E-07	5.25E-07	1.96E-07	1.05E-06	3.86E-07
2609	494135.9	3861027	3.68E-03	3.77E-03	3.55E-03	1.27E-06	3.84E-06	2.23E-06	2.28E-06	2.07E-06	9.43E-07	8.89E-07	0.00E+00	0.00E+00	4.09E-07	7.74E-08	4.91E-07	7.57E-08	6.89E-08	1.12E-06	1.16E-06	4.26E-07	5.79E-07	2.17E-07	1.16E-06	4.26E-07
2610	494185.9	3861027	3.60E-03	3.69E-03	3.48E-03	1.25E-06	3.77E-06	2.18E-06	2.23E-06	2.02E-06	9.23E-07	8.71E-07	0.00E+00	0.00E+00	4.01E-07	7.58E-08	4.81E-07	7.42E-08	6.74E-08	1.10E-06	1.14E-06	4.17E-07	5.68E-07	2.12E-07	1.14E-06	4.17E-07
2611	494135.9	3861077	4.02E-03	4.11E-03	3.88E-03	1.39E-06	4.20E-06	2.43E-06	2.49E-06	2.26E-06	1.03E-06	9.71E-07	0.00E+00	0.00E+00	4.47E-07	8.45E-08	5.36E-07	8.27E-08	7.52E-08	1.23E-06	1.27E-06	4.65E-07	6.33E-07	2.36E-07	1.27E-06	4.65E-07
2612	494185.9	3861077	3.93E-03	4.02E-03	3.79E-03	1.36E-06	4.10E-06	2.38E-06	2.43E-06	2.21E-06	1.01E-06	9.50E-07	0.00E+00	0.00E+00	4.37E-07	8.26E-08	5.24E-07	8.08E-08	7.35E-08	1.20E-06	1.24E-06	4.55E-07	6.19E-07	2.31E-07	1.24E-06	4.55E-07
2613	490360	3858710	2.83E-03	2.90E-03	2.74E-03	9.80E-07	2.96E-06	1.71E-06	1.76E-06	1.59E-06	7.26E-07	6.85E-07	0.00E+00	0.00E+00	3.15E-07	5.96E-08	3.78E-07	5.83E-08	5.30E-08	8.64E-07	8.94E-07	3.28E-07	4.46E-07	1.67E-07	8.94E-07	3.28E-07
2614	490410	3858710	2.75E-03	2.82E-03	2.66E-03	9.53E-07	2.88E-06	1.67E-06	1.71E-06	1.55E-06	7.06E-07	6.66E-07	0.00E+00	0.00E+00	3.06E-07	5.79E-08	3.67E-07	5.67E-08	5.15E-08	8.40E-07	8.69E-07	3.19E-07	4.34E-07	1.62E-07	8.69E-07	3.19E-07
2615	490460	3858710	2.66E-03	2.73E-03	2.57E-03	9.21E-07	2.78E-06	1.61E-06	1.65E-06	1.49E-06	6.82E-07	6.43E-07	0.00E+00	0.00E+00	2.96E-07	5.60E-08	3.55E-07	5.48E-08	4.98E-08	8.12E-07	8.40E-07	3.08E-07	4.19E-07	1.57E-07	8.40E-07	3.08E-07
2616	490510	3858710	2.59E-03	2.65E-03	2.50E-03	8.96E-07	2.71E-06	1.57E-06	1.60E-06	1.45E-06	6.64E-07	6.26E-07	0.00E+00	0.00E+00	2.88E-07	5.45E-08	3.46E-07	5.33E-08	4.85E-08	7.90E-07	8.17E-07	3.00E-07	4.08E-07	1.52E-07	8.17E-07	3.00E-07
2617	490560	3858710	2.53E-03	2.59E-03	2.44E-03	8.74E-07	2.64E-06	1.53E-06	1.56E-06	1.42E-06	6.47E-07	6.11E-07	0.00E+00	0.00E+00	2.81E-07	5.31E-08	3.37E-07	5.20E-08	4.73E-08	7.71E-07	7.97E-07	2.92E-07	3.98E-07	1.49E-07	7.97E-07	2.92E-07
2618	490610	3858710	2.46E-03	2.52E-03	2.38E-03	8.52E-07	2.57E-06	1.49E-06	1.53E-06	1.38E-06	6.31E-07	5.95E-07	0.00E+00	0.00E+00	2.74E-07	5.18E-08	3.29E-07	5.07E-08	4.61E-08	7.51E-07	7.77E-07	2.85E-07	3.88E-07	1.45E-07	7.77E-07	2.85E-07
2619	490660	3858710	2.41E-03	2.47E-03	2.33E-03	8.36E-07	2.52E-06	1.46E-06	1.50E-06	1.36E-06	6.19E-07	5.84E-07	0.00E+00	0.00E+00	2.69E-07	5.08E-08	3.22E-07	4.97E-08	4.52E-08	7.37E-07	7.62E-07	2.80E-07	3.80E-07	1.42E-07	7.62E-07	2.80E-07
2620	490710	3858710	2.35E-03	2.40E-03	2.27E-03	8.12E-07	2.45E-06	1.42E-06	1.45E-06	1.32E-06	6.02E-07	5.67E-07	0.00E+00	0.00E+00	2.61E-07	4.94E-08	3.13E-07	4.83E-08	4.39E-08	7.16E-07	7.41E-07	2.72E-07	3.70E-07	1.38E-07	7.41E-07	2.72E-07
2621	490760	3858710	2.29E-03	2.34E-03	2.21E-03	7.92E-07	2.39E-06	1.38E-06	1.42E-06	1.29E-06	5.86E-07	5.53E-07	0.00E+00	0.00E+00	2.55E-07	4.81E-08	3.05E-07	4.71E-08	4.28E-08	6.98E-07	7.22E-07	2.65E-07	3.60E-07	1.35E-07	7.22E-07	2.65E-07
2622	490810	3858710	2.23E-03	2.29E-03	2.16E-03	7.72E-07	2.33E-06	1.35E-06	1.38E-06	1.25E-06	5.72E-07	5.40E-07	0.00E+00	0.00E+00	2.48E-07	4.69E-08	2.98E-07	4.59E-08	4.18E-08	6.81E-07	7.04E-07	2.58E-07	3.52E-07	1.31E-07	7.04E-07	2.58E-07
2623	490860	3858710	2.17E-03	2.22E-03	2.09E-03	7.51E-07	2.27E-06	1.31E-06	1.34E-06	1.22E-06	5.56E-07	5.24E-07	0.00E+00	0.00E+00	2.41E-07	4.56E-08	2.89E-07	4.46E-08	4.06E-08	6.62E-07	6.84E-07	2.51E-07	3.42E-07	1.28E-07	6.84E-07	2.51E-07
2624	490360	3858760	2.95E-03	3.02E-03	2.85E-03	1.02E-06	3.08E-06	1.79E-06	1.83E-06	1.66E-06	7.56E-07	7.13E-07	0.00E+00	0.00E+00	3.28E-07	6.21E-08	3.94E-07	6.07E-08	5.52E-08	9.00E-07	9.31E-07	3.42E-07	4.65E-07	1.74E-07	9.31E-07	3.42E-07
2625	490410	3858760	2.86E-03	2.93E-03	2.76E-03	9.90E-07	2.99E-06	1.73E-06	1.77E-06	1.61E-06	7.33E-07	6.92E-07	0.00E+00	0.00E+00	3.18E-07	6.02E-08	3.82E-07	5.89E-08	5.36E-08	8.73E-07	9.03E-07	3.31E-07	4.51E-07	1.68E-07	9.03E-07	3.31E-07
2626	490460	3858760	2.77E-03	2.84E-03	2.67E-03	9.58E-07	2.89E-06	1.68E-06	1.72E-06	1.56E-06	7.10E-07	6.69E-07	0.00E+00	0.00E+00	3.08E-07	5.82E-08	3.70E-07	5.70E-08	5.18E-08	8.45E-07	8.74E-07	3.21E-07	4.36E-07	1.63E-07	8.74E-07	3.21E-07
2627	490510	3858760	2.68E-03	2.74E-03	2.59E-03	9.27E-07	2.80E-06	1.62E-06	1.66E-06	1.50E-06	6.87E-07	6.48E-07	0.00E+00	0.00E+00	2.98E-07	5.63E-08	3.58E-07	5.51E-08	5.02E-08	8.17E-07	8.45E-07	3.10E-07	4.22E-07	1.58E-07	8.45E-07	3.10E-07
2628	490560	3858760	2.60E-03	2.67E-03	2.52E-03	9.01E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.67E-07	6.29E-07	0.00E+00	0.00E+00	2.90E-07	5.48E-08	3.48E-07	5.36E-08	4.87E-08	7.94E-07	8.22E-07	3.01E-07	4.10E-07	1.53E-07	8.22E-07	3.01E-07
2629	490610	3858760	2.53E-03	2.59E-03	2.44E-03	8.75E-07	2.64E-06	1.53E-06	1.57E-06	1.42E-06	6.48E-07	6.11E-07	0.00E+00	0.00E+00	2.81E-07	5.32E-08	3.37E-07	5.20E-08	4.73E-08	7.71E-07	7.98E-07	2.93E-07	3.98E-07	1.49E-07	7.98E-07	2.93E-07
2630	490660	3858760	2.46E-03	2.52E-03	2.38E-03	8.52E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.31E-07	5.95E-07	0.00E+00	0.00E+00	2.74E-07	5.18E-08	3.28E-07	5.06E-08	4.61E-08	7.51E-07	7.77E-07	2.85E-07	3.88E-07	1.45E-07	7.77E-07	2.85E-07
2631	490710	3858760	2.40E-03	2.45E-03	2.31E-03	8.29E-07	2.50E-06	1.45E-06	1.48E-06	1.35E-06	6.14E-07	5.79E-07	0.00E+00	0.00E+00	2.67E-07	5.04E-08	3.20E-07	4.93E-08	4.48E-08	7.31E-07	7.56E-07	2.77E-07	3.77E-07	1.41E-07	7.56E-07	2.77E-07
2632	490760	3858760	2.33E-03	2.38E-03	2.25E-03	8.05E-07	2.43E-06	1.41E-06	1.44E-06	1.31E-06	5.96E-07	5.62E-07	0.00E+00	0.00E+00	2.59E-07	4.89E-08	3.10E-07	4.79E-08	4.35E-08	7.10E-07	7.34E-07	2.69E-07	3.66E-07	1.37E-07	7.34E-07	2.69E-07
2633	490810	3858760	2.26E-03	2.32E-03	2.19E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.80E-07	5.47E-07	0.00E+00	0.00E+00	2.52E-07	4.76E-08	3.02E-07	4.66E-08	4.24E-08	6.90E-07	7.14E-07	2.62E-07	3.56E-07	1.33E-07	7.14E-07	2.62E-07
2634	490860	3858760	2.21E-03	2.26E-03	2.13E-03	7.64E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.66E-07	5.34E-07	0.00E+00	0.00E+00	2.46E-07	4.64E-08	2.95E-07	4.54E-08	4.13E-08	6.74E-07	6.97E-07	2.56E-07	3.48E-07	1.30E-07	6.97E-07	2.56E-07
2635	490360	3858810	3.07E-03	3.14E-03	2.96E-03	1.06E-06	3.21E-06	1.86E-06	1.90E-06	1.72E-06	7.87E-07	7.42E-07	0.00E+00	0.00E+00	3.42E-07	6.45E-08	4.10E-07	6.32E-08	5.74E-08	9.36E-07	9.68E-07	3.55E-07	4.83E-07	1.81E-07	9.68E-07	3.55E-07
2636	490410	3858810	2.97E-03	3.04E-03	2.87E-03	1.03E-06	3.10E-06	1.79E-06	1.84E-06	1.67E-06	7.60E-07	7.17E-07	0.00E+00	0.00E+00	3.30E-07	6.24E-08	3.96E-07	6.11E-08	5.55E-08	9.05E-07	9.36E-07	3.43E-07	4.67E-07	1.75E-07	9.36E-07	3.43E-07
2637	490460	3858810	2.87E-03	2.94E-03	2.77E-03	9.93E-07	3.00E-06	1.74E-06	1.78E-06	1.61E-06	7.35E-07	6.93E-07	0.00E+00	0.00E+00	3.19E-07	6.03E-08	3.83E-07	5.90E-08	5.37E-08	8.75E-07	9.05E-07	3.32E-07	4.52E-07	1.69E-07	9.05E-07	3.32E-07
2638	490510	3858810	2.78E-03	2.85E-03	2.69E-03	9.64E-07	2.91E-06	1.69E-06	1.73E-06	1.56E-06	7.14E-07	6.73E-07	0.00E+00	0.00E+00	3.10E-07	5.86E-08	3.72E-07	5.73E-08	5.21E-08	8.50E-07	8.79E-07	3.22E-07	4.39E-07	1.64E-07	8.79E-07	3.22E-07
2639	490560	3858810	2.70E-03	2.77E-03	2.61E-03	9.35E-07	2.82E-06	1.64E-06	1.67E-06	1.52E-06	6.93E-07	6.53E-07	0.00E+00	0.00E+00	3.01E-07	5.68E-08	3.61E-07	5.56E-08	5.06E-08	8.25E-07	8.53E-07	3.13E-07	4.26E-07	1.59E-07	8.53E-07	3.13E-07
2640	490610	3858810	2.61E-03	2.67E-03	2.52E-03	9.04E-07	2.73E-06	1.58E-06	1.62E-06	1.47E-06	6.69E-07	6.31E-07	0.00E+00	0.00E+00	2.91E-07	5.49E-08	3.48E-07	5.37E-08	4.89E-08	7.97E-07	8.24E-07	3.02E-07	4.11E-07	1.54E-07	8.24E-07	3.02E-07
2641	490660	3858810	2.53E-03	2.59E-03	2.45E-03	8.77E-07	2.65E-06	1.53E-06	1.57E-06	1.42E-06	6.49E-07	6.12E-07	0.00E+00	0.00E+00	2.82E-07	5.33E-08	3.38E-07	5.21E-08	4.74E-08	7.73E-07	7.99E-07	2.93E-07	3.99E-07	1.49E-07	7.99E-07	2.93E-07
2642	490710	3858810	2.45E-03	2.51E-03	2.37E-03	8.50E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.29E-07	5.93E-07	0.00E+00	0.00E+00	2.73E-07	5.16E-08	3.28E-07	5.05E-08	4.60E-08	7.49E-07	7.75E-07	2.84E-07	3.87E-07	1.44E-07	7.75E-07	2.84E-07
2643	490760	3858810	2.37E-03	2.42E-03	2.29E-03	8.19E-07	2.47E-06	1.43E-06	1.47E-06	1.33E-06	6.07E-07	5.72E-07	0.00E+00	0.00E+00	2.64E-07	4.98E-08	3.16E-07	4.87E-08	4.43E-08	7.22E-07	7.47E-07	2.74E-07	3.73E-07	1.39E-07	7.47E-07	2.74E-07
2644	490810	3858810	2.32E-03	2.37E-03	2.24E-03	8.02E-07	2.42E-06	1.40E-06	1.44E-06	1.30E-06	5.94E-07	5.60E-07	0.00E+00	0.00E+00	2.58E-07	4.87E-08	3.09E-07	4.77E-08	4.34E-08	7.07E-07	7.31E-07	2.68E-07	3.65E-07	1.36E-07	7.31E-07	2.68E-07
2645	490860	3858810	2.25E-03	2.30E-03	2.17E-03	7.78E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.76E-07	5.43E-07	0.00E+00	0.00E+00	2.50E-07	4.73E-08	3.00E-07	4.63E-08	4.21E-08	6.86E-07	7.09E-07	2.60E-07	3.54E-07	1.32E-07	7.09E-07	2.60E-07
2646	490360	3858860	3.18E-03	3.26E-03	3.07E-03	1.10E-06	3.33E-06	1.93E-06	1.97E-06	1.79E-06	8.16E-07	7.69E-07	0.00E+00	0.00E+00	3.54E-07	6.69E-08	4.25E-07	6.55E-08	5.96E-08	9.71E-07	1.00E-06	3.68E-07	5.01E-07	1.87E-07	1.00E-06	3.68E-07
2647	490410	3858860	3.09E-03	3.17E-03	2.99E-03	1.07E-06	3.23E-06	1.87E-06	1.92E-06	1.74E-06	7.93E-07	7.48E-07	0.00E+00	0.00E+00	3.44E-07	6.51E-08	4.13E-07	6.37E-08	5.79E-08	9.44E-07	9.76E-07	3.58E-07	4.87E-07	1.82E-07	9.76E-07	3.58E-07
2648	490460	3858860	2.98E-03	3.05E-03	2.88E-03	1.03E-06	3.11E-06	1.80E-06	1.85E-06	1.67E-06	7.63E-07	7.20E-07	0.00E+00	0.00E+00	3.32E-07	6.26E-08	3.98E-07	6.13E-08	5.58E-08	9.09E-07	9.40E-07	3.45E-07	4.69E-07	1.75E-07	9.40E-07	3.45E-07
2649	490510	3858860	2.90E-03	2.97E-03	2.80E-03	1.00E-06	3.03E-06	1.76E-06	1.80E-06	1.63E-06	7.44E-07	7.02E-07	0.00E+00	0.00E+00	3.23E-07	6.10E-08	3.87E-07	5.97E-08	5.43E-08	8.85E-07	9.16E-07	3.36E-07	4.57E-07	1.71E-07	9.16E-07	3.36E-07
2650	490560	3858860	2.80E-03	2.87E-03	2.71E-03	9.70E-07	2.93E-06	1.70E-06	1.74E-06	1.57E-06	7.18E-07	6.78E-07	0.00E+00	0.00E+00	3.12E-07	5.90E-08	3.74E-07	5.77E-08	5.25E-08	8.55E-07	8.85E-07	3.24E-07	4.42E-07	1.65E-07	8.85E-07	3.24E-07
2651	490610	3858860	2.69E-03	2.75E-03	2.60E-03	9.31E-07	2.81E-06	1.63E-06	1.67E-06	1.51E-06	6.89E-07	6.50E-07	0.00E+00	0.00E+00	2.99E-07	5.66E-08	3.59E-07	5.54E-08	5.03E-08	8.21E-07	8.49E-07	3.11E-07	4.24E-07	1.58E-07	8.49E-07	3.11E-07
2652	490660	3858860	2.61E-03	2.67E-03	2.52E-03	9.02E-07	2.72E-06	1.58E-06	1.62E-06	1.46E-06	6.68E-07	6.30E-07	0.00E+00	0.00E+00	2.90E-07	5.48E-08	3.48E-07	5.36E-08	4.88E-08	7.95E-07	8.23E-07	3.02E-07	4.11E-07	1.53E-07	8.23E-07	3.02E-07
2653	490710	3858860	2.54E-03	2.60E-03	2.45E-03	8.78E-07	2.65E-06	1.54E-06	1.57E-06	1.43E-06	6.50E-07	6.13E-07	0.00E+00	0.00E+00	2.82E-07	5.34E-08	3.39E-07	5.22E-08	4.75E-08	7.74E-07	8.01E-07	2.94E-07	4.00E-07	1.49E-07	8.01E-07	2.94E-07
2654	490760	3858860	2.45E-03	2.50E-03	2.36E-03	8.47E-07	2.56E-06	1.48E-06	1.52E-06	1.37E-06	6.27E-07	5.91E-07	0.00E+00	0.00E+00	2.72E-07	5.14E-08	3.26E-07	5.03E-08	4.58E-08	7.46E-07	7.72E-07	2.83E-07	3.85E-07	1.44E-07	7.72E-07	2.83E-07
2655	490810	3858860	2.36E-03	2.42E-03	2.28E-03	8.18E-07	2.47E-06	1.43E-06	1.46E-06	1.33E-06	6.06E-07	5.71E-07	0.00E+00	0.00E+00	2.63E-07	4.97E-08	3.15E-07	4.86E-08	4.42E-08	7.21E-07	7.46E-07	2.74E-07	3.72E-07	1.39E-07	7.46E-07	2.74E-07
2656	490860	3858860	2.28E-03	2.34E-03	2.21E-03	7.90E-07	2.39E-06	1.38E-06	1.41E-06	1.28E-06	5.85E-07	5.52E-07	0.00E+00	0.00E+00	2.54E-07	4.80E-08	3.05E-07	4.70E-08	4.27E-08	6.97E-07	7.21E-07	2.64E-07	3.60E-07	1.34E-07	7.21E-07	2.64E-07
2657	490360	3858910	3.36E-03	3.44E-03	3.25E-03	1.16E-06	3.51E-06	2.03E-06	2.08E-06	1.89E-06	8.61E-07	8.12E-07	0.00E+00	0.00E+00	3.74E-07	7.07E-08	4.48E-07	6.91E-08	6.29E-08	1.02E-06	1.06E-06	3.89E-07	5.29E-07	1.98E-07	1.06E-06	3.89E-07

2658	490410	3858910	3.24E-03	3.32E-03	3.13E-03	1.12E-06	3.39E-06	1.96E-06	2.01E-06	1.82E-06	8.31E-07	7.84E-07	0.00E+00	0.00E+00	3.61E-07	6.82E-08	4.33E-07	6.67E-08	6.07E-08	9.89E-07	1.02E-06	3.75E-07	5.11E-07	1.91E-07	1.02E-06	3.75E-07
2659	490460	3858910	3.13E-03	3.20E-03	3.02E-03	1.08E-06	3.27E-06	1.89E-06	1.94E-06	1.76E-06	8.01E-07	7.56E-07	0.00E+00	0.00E+00	3.48E-07	6.58E-08	4.17E-07	6.43E-08	5.85E-08	9.54E-07	9.87E-07	3.62E-07	4.92E-07	1.84E-07	9.87E-07	3.62E-07
2660	490510	3858910	3.01E-03	3.08E-03	2.91E-03	1.04E-06	3.15E-06	1.82E-06	1.86E-06	1.69E-06	7.71E-07	7.28E-07	0.00E+00	0.00E+00	3.35E-07	6.33E-08	4.02E-07	6.19E-08	5.63E-08	9.18E-07	9.50E-07	3.48E-07	4.74E-07	1.77E-07	9.50E-07	3.48E-07
2661	490560	3858910	2.89E-03	2.96E-03	2.80E-03	1.00E-06	3.03E-06	1.75E-06	1.79E-06	1.63E-06	7.42E-07	7.00E-07	0.00E+00	0.00E+00	3.22E-07	6.09E-08	3.86E-07	5.96E-08	5.42E-08	8.83E-07	9.13E-07	3.35E-07	4.56E-07	1.70E-07	9.13E-07	3.35E-07
2662	490610	3858910	2.78E-03	2.85E-03	2.69E-03	9.63E-07	2.91E-06	1.68E-06	1.72E-06	1.56E-06	7.13E-07	6.73E-07	0.00E+00	0.00E+00	3.10E-07	5.85E-08	3.71E-07	5.73E-08	5.21E-08	8.49E-07	8.78E-07	3.22E-07	4.38E-07	1.64E-07	8.78E-07	3.22E-07
2663	490660	3858910	2.69E-03	2.76E-03	2.60E-03	9.31E-07	2.81E-06	1.63E-06	1.67E-06	1.51E-06	6.90E-07	6.51E-07	0.00E+00	0.00E+00	2.99E-07	5.66E-08	3.59E-07	5.54E-08	5.04E-08	8.21E-07	8.49E-07	3.11E-07	4.24E-07	1.58E-07	8.49E-07	3.11E-07
2664	490710	3858910	2.59E-03	2.66E-03	2.51E-03	8.98E-07	2.71E-06	1.57E-06	1.61E-06	1.46E-06	6.65E-07	6.27E-07	0.00E+00	0.00E+00	2.89E-07	5.46E-08	3.46E-07	5.34E-08	4.86E-08	7.92E-07	8.19E-07	3.00E-07	4.09E-07	1.53E-07	8.19E-07	3.00E-07
2665	490760	3858910	2.49E-03	2.55E-03	2.41E-03	8.63E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.39E-07	6.03E-07	0.00E+00	0.00E+00	2.77E-07	5.24E-08	3.33E-07	5.13E-08	4.67E-08	7.61E-07	7.87E-07	2.89E-07	3.93E-07	1.47E-07	7.87E-07	2.89E-07
2666	490810	3858910	2.42E-03	2.47E-03	2.33E-03	8.36E-07	2.53E-06	1.46E-06	1.50E-06	1.36E-06	6.19E-07	5.84E-07	0.00E+00	0.00E+00	2.69E-07	5.08E-08	3.22E-07	4.97E-08	4.52E-08	7.37E-07	7.63E-07	2.80E-07	3.81E-07	1.42E-07	7.63E-07	2.80E-07
2667	490860	3858910	2.32E-03	2.38E-03	2.24E-03	8.04E-07	2.43E-06	1.41E-06	1.44E-06	1.31E-06	5.95E-07	5.62E-07	0.00E+00	0.00E+00	2.59E-07	4.89E-08	3.10E-07	4.78E-08	4.35E-08	7.09E-07	7.33E-07	2.69E-07	3.66E-07	1.37E-07	7.33E-07	2.69E-07
2668	490360	3858960	3.52E-03	3.61E-03	3.40E-03	1.22E-06	3.68E-06	2.13E-06	2.18E-06	1.98E-06	9.03E-07	8.51E-07	0.00E+00	0.00E+00	3.92E-07	7.41E-08	4.70E-07	7.25E-08	6.59E-08	1.07E-06	1.11E-06	4.08E-07	5.55E-07	2.07E-07	1.11E-06	4.08E-07
2669	490410	3858960	3.38E-03	3.46E-03	3.27E-03	1.17E-06	3.53E-06	2.05E-06	2.10E-06	1.90E-06	8.67E-07	8.18E-07	0.00E+00	0.00E+00	3.76E-07	7.11E-08	4.51E-07	6.96E-08	6.33E-08	1.03E-06	1.07E-06	3.91E-07	5.33E-07	1.99E-07	1.07E-06	3.91E-07
2670	490460	3858960	3.24E-03	3.32E-03	3.13E-03	1.12E-06	3.39E-06	1.96E-06	2.01E-06	1.82E-06	8.31E-07	7.84E-07	0.00E+00	0.00E+00	3.61E-07	6.82E-08	4.33E-07	6.67E-08	6.07E-08	9.89E-07	1.02E-06	3.75E-07	5.11E-07	1.91E-07	1.02E-06	3.75E-07
2671	490510	3858960	3.12E-03	3.19E-03	3.01E-03	1.08E-06	3.26E-06	1.89E-06	1.93E-06	1.75E-06	7.99E-07	7.53E-07	0.00E+00	0.00E+00	3.47E-07	6.55E-08	4.16E-07	6.41E-08	5.83E-08	9.51E-07	9.83E-07	3.61E-07	4.91E-07	1.83E-07	9.83E-07	3.61E-07
2672	490560	3858960	3.00E-03	3.07E-03	2.90E-03	1.04E-06	3.13E-06	1.81E-06	1.86E-06	1.68E-06	7.68E-07	7.25E-07	0.00E+00	0.00E+00	3.34E-07	6.31E-08	4.00E-07	6.17E-08	5.61E-08	9.15E-07	9.46E-07	3.47E-07	4.72E-07	1.76E-07	9.46E-07	3.47E-07
2673	490610	3858960	2.87E-03	2.94E-03	2.77E-03	9.92E-07	3.00E-06	1.73E-06	1.78E-06	1.61E-06	7.35E-07	6.93E-07	0.00E+00	0.00E+00	3.19E-07	6.03E-08	3.83E-07	5.90E-08	5.37E-08	8.75E-07	9.05E-07	3.32E-07	4.52E-07	1.69E-07	9.05E-07	3.32E-07
2674	490660	3858960	2.78E-03	2.85E-03	2.69E-03	9.64E-07	2.91E-06	1.69E-06	1.73E-06	1.56E-06	7.14E-07	6.73E-07	0.00E+00	0.00E+00	3.10E-07	5.86E-08	3.72E-07	5.73E-08	5.21E-08	8.50E-07	8.79E-07	3.22E-07	4.39E-07	1.64E-07	8.79E-07	3.22E-07
2675	490710	3858960	2.67E-03	2.73E-03	2.58E-03	9.23E-07	2.79E-06	1.61E-06	1.65E-06	1.50E-06	6.84E-07	6.45E-07	0.00E+00	0.00E+00	2.97E-07	5.61E-08	3.56E-07	5.49E-08	4.99E-08	8.14E-07	8.42E-07	3.09E-07	4.20E-07	1.57E-07	8.42E-07	3.09E-07
2676	490760	3858960	2.57E-03	2.63E-03	2.48E-03	8.88E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.58E-07	6.20E-07	0.00E+00	0.00E+00	2.86E-07	5.40E-08	3.42E-07	5.28E-08	4.80E-08	7.83E-07	8.10E-07	2.97E-07	4.04E-07	1.51E-07	8.10E-07	2.97E-07
2677	490810	3858960	2.47E-03	2.53E-03	2.39E-03	8.55E-07	2.58E-06	1.49E-06	1.53E-06	1.39E-06	6.33E-07	5.97E-07	0.00E+00	0.00E+00	2.75E-07	5.19E-08	3.30E-07	5.08E-08	4.62E-08	7.53E-07	7.79E-07	2.86E-07	3.89E-07	1.45E-07	7.79E-07	2.86E-07
2678	490860	3858960	2.37E-03	2.43E-03	2.29E-03	8.20E-07	2.48E-06	1.43E-06	1.47E-06	1.33E-06	6.07E-07	5.73E-07	0.00E+00	0.00E+00	2.64E-07	4.98E-08	3.16E-07	4.88E-08	4.43E-08	7.23E-07	7.48E-07	2.74E-07	3.73E-07	1.39E-07	7.48E-07	2.74E-07
2679	490360	3859010	3.71E-03	3.80E-03	3.58E-03	1.28E-06	3.87E-06	2.24E-06	2.30E-06	2.08E-06	9.50E-07	8.96E-07	0.00E+00	0.00E+00	4.13E-07	7.80E-08	4.95E-07	7.63E-08	6.94E-08	1.13E-06	1.17E-06	4.29E-07	5.84E-07	2.18E-07	1.17E-06	4.29E-07
2680	490410	3859010	3.54E-03	3.62E-03	3.42E-03	1.23E-06	3.70E-06	2.14E-06	2.19E-06	1.99E-06	9.07E-07	8.56E-07	0.00E+00	0.00E+00	3.94E-07	7.44E-08	4.72E-07	7.28E-08	6.63E-08	1.08E-06	1.12E-06	4.10E-07	5.58E-07	2.08E-07	1.12E-06	4.10E-07
2681	490460	3859010	3.36E-03	3.44E-03	3.25E-03	1.16E-06	3.52E-06	2.04E-06	2.08E-06	1.89E-06	8.62E-07	8.13E-07	0.00E+00	0.00E+00	3.74E-07	7.08E-08	4.49E-07	6.92E-08	6.30E-08	1.03E-06	1.06E-06	3.89E-07	5.30E-07	1.98E-07	1.06E-06	3.89E-07
2682	490510	3859010	3.20E-03	3.28E-03	3.09E-03	1.11E-06	3.35E-06	1.94E-06	1.98E-06	1.80E-06	8.21E-07	7.74E-07	0.00E+00	0.00E+00	3.57E-07	6.74E-08	4.27E-07	6.59E-08	6.00E-08	9.77E-07	1.01E-06	3.71E-07	5.05E-07	1.89E-07	1.01E-06	3.71E-07
2683	490560	3859010	3.10E-03	3.17E-03	2.99E-03	1.07E-06	3.24E-06	1.87E-06	1.92E-06	1.74E-06	7.94E-07	7.49E-07	0.00E+00	0.00E+00	3.45E-07	6.51E-08	4.13E-07	6.37E-08	5.80E-08	9.45E-07	9.77E-07	3.58E-07	4.88E-07	1.82E-07	9.77E-07	3.58E-07
2684	490610	3859010	2.96E-03	3.03E-03	2.86E-03	1.02E-06	3.09E-06	1.79E-06	1.83E-06	1.66E-06	7.58E-07	7.15E-07	0.00E+00	0.00E+00	3.29E-07	6.22E-08	3.95E-07	6.08E-08	5.53E-08	9.02E-07	9.33E-07	3.42E-07	4.66E-07	1.74E-07	9.33E-07	3.42E-07
2685	490660	3859010	2.87E-03	2.94E-03	2.77E-03	9.94E-07	3.00E-06	1.74E-06	1.78E-06	1.61E-06	7.36E-07	6.94E-07	0.00E+00	0.00E+00	3.20E-07	6.04E-08	3.83E-07	5.91E-08	5.37E-08	8.76E-07	9.06E-07	3.32E-07	4.52E-07	1.69E-07	9.06E-07	3.32E-07
2686	490710	3859010	2.74E-03	2.81E-03	2.65E-03	9.49E-07	2.86E-06	1.66E-06	1.70E-06	1.54E-06	7.03E-07	6.63E-07	0.00E+00	0.00E+00	3.05E-07	5.77E-08	3.66E-07	5.64E-08	5.13E-08	8.36E-07	8.65E-07	3.17E-07	4.32E-07	1.61E-07	8.65E-07	3.17E-07
2687	490760	3859010	2.63E-03	2.69E-03	2.54E-03	9.10E-07	2.75E-06	1.59E-06	1.63E-06	1.48E-06	6.74E-07	6.36E-07	0.00E+00	0.00E+00	2.93E-07	5.53E-08	3.51E-07	5.41E-08	4.92E-08	8.02E-07	8.30E-07	3.04E-07	4.14E-07	1.55E-07	8.30E-07	3.04E-07
2688	490810	3859010	2.52E-03	2.58E-03	2.44E-03	8.73E-07	2.63E-06	1.53E-06	1.56E-06	1.42E-06	6.46E-07	6.10E-07	0.00E+00	0.00E+00	2.81E-07	5.30E-08	3.36E-07	5.19E-08	4.72E-08	7.69E-07	7.96E-07	2.92E-07	3.97E-07	1.48E-07	7.96E-07	2.92E-07
2689	490860	3859010	2.43E-03	2.49E-03	2.35E-03	8.40E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.22E-07	5.87E-07	0.00E+00	0.00E+00	2.70E-07	5.11E-08	3.24E-07	5.00E-08	4.55E-08	7.41E-07	7.66E-07	2.81E-07	3.82E-07	1.43E-07	7.66E-07	2.81E-07
2690	490360	3859060	3.90E-03	4.00E-03	3.77E-03	1.35E-06	4.08E-06	2.36E-06	2.42E-06	2.19E-06	1.00E-06	9.44E-07	0.00E+00	0.00E+00	4.34E-07	8.21E-08	5.21E-07	8.03E-08	7.31E-08	1.19E-06	1.23E-06	4.52E-07	6.15E-07	2.30E-07	1.23E-06	4.52E-07
2691	490410	3859060	3.68E-03	3.77E-03	3.56E-03	1.27E-06	3.85E-06	2.23E-06	2.28E-06	2.07E-06	9.44E-07	8.90E-07	0.00E+00	0.00E+00	4.10E-07	7.74E-08	4.91E-07	7.58E-08	6.89E-08	1.12E-06	1.16E-06	4.26E-07	5.80E-07	2.17E-07	1.16E-06	4.26E-07
2692	490460	3859060	3.50E-03	3.58E-03	3.38E-03	1.21E-06	3.66E-06	2.12E-06	2.17E-06	1.97E-06	8.97E-07	8.46E-07	0.00E+00	0.00E+00	3.90E-07	7.36E-08	4.67E-07	7.20E-08	6.55E-08	1.07E-06	1.10E-06	4.05E-07	5.51E-07	2.06E-07	1.10E-06	4.05E-07
2693	490510	3859060	3.34E-03	3.42E-03	3.23E-03	1.16E-06	3.49E-06	2.02E-06	2.07E-06	1.88E-06	8.57E-07	8.08E-07	0.00E+00	0.00E+00	3.72E-07	7.03E-08	4.46E-07	6.88E-08	6.26E-08	1.02E-06	1.06E-06	3.87E-07	5.27E-07	1.97E-07	1.06E-06	3.87E-07
2694	490560	3859060	3.18E-03	3.26E-03	3.07E-03	1.10E-06	3.32E-06	1.92E-06	1.97E-06	1.79E-06	8.15E-07	7.69E-07	0.00E+00	0.00E+00	3.54E-07	6.69E-08	4.24E-07	6.54E-08	5.95E-08	9.70E-07	1.00E-06	3.68E-07	5.01E-07	1.87E-07	1.00E-06	3.68E-07
2695	490610	3859060	3.06E-03	3.13E-03	2.96E-03	1.06E-06	3.20E-06	1.85E-06	1.90E-06	1.72E-06	7.84E-07	7.40E-07	0.00E+00	0.00E+00	3.41E-07	6.44E-08	4.08E-07	6.30E-08	5.73E-08	9.34E-07	9.66E-07	3.54E-07	4.82E-07	1.80E-07	9.66E-07	3.54E-07
2696	490660	3859060	2.95E-03	3.02E-03	2.85E-03	1.02E-06	3.08E-06	1.79E-06	1.83E-06	1.66E-06	7.56E-07	7.13E-07	0.00E+00	0.00E+00	3.28E-07	6.21E-08	3.94E-07	6.07E-08	5.52E-08	9.00E-07	9.31E-07	3.42E-07	4.65E-07	1.74E-07	9.31E-07	3.42E-07
2697	490710	3859060	2.81E-03	2.88E-03	2.72E-03	9.73E-07	2.94E-06	1.70E-06	1.74E-06	1.58E-06	7.21E-07	6.80E-07	0.00E+00	0.00E+00	3.13E-07	5.91E-08	3.75E-07	5.79E-08	5.26E-08	8.58E-07	8.87E-07	3.25E-07	4.43E-07	1.66E-07	8.87E-07	3.25E-07
2698	490760	3859060	2.69E-03	2.76E-03	2.60E-03	9.31E-07	2.81E-06	1.63E-06	1.67E-06	1.51E-06	6.90E-07	6.51E-07	0.00E+00	0.00E+00	2.99E-07	5.66E-08	3.59E-07	5.54E-08	5.04E-08	8.21E-07	8.49E-07	3.11E-07	4.24E-07	1.58E-07	8.49E-07	3.11E-07
2699	490810	3859060	2.58E-03	2.64E-03	2.49E-03	8.92E-07	2.69E-06	1.56E-06	1.60E-06	1.45E-06	6.61E-07	6.23E-07	0.00E+00	0.00E+00	2.87E-07	5.42E-08	3.44E-07	5.30E-08	4.82E-08	7.86E-07	8.13E-07	2.98E-07	4.06E-07	1.52E-07	8.13E-07	2.98E-07
2700	490860	3859060	2.48E-03	2.54E-03	2.39E-03	8.57E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.35E-07	5.99E-07	0.00E+00	0.00E+00	2.76E-07	5.21E-08	3.31E-07	5.10E-08	4.64E-08	7.56E-07	7.82E-07	2.87E-07	3.90E-07	1.46E-07	7.82E-07	2.87E-07
2701	490360	3859110	4.16E-03	4.26E-03	4.02E-03	1.44E-06	4.34E-06	2.51E-06	2.58E-06	2.33E-06	1.07E-06	1.00E-06	0.00E+00	0.00E+00	4.63E-07	8.74E-08	5.55E-07	8.55E-08	7.78E-08	1.27E-06	1.31E-06	4.81E-07	6.55E-07	2.45E-07	1.31E-06	4.81E-07
2702	490410	3859110	3.90E-03	4.00E-03	3.77E-03	1.35E-06	4.08E-06	2.36E-06	2.42E-06	2.19E-06	1.00E-06	9.44E-07	0.00E+00	0.00E+00	4.35E-07	8.21E-08	5.21E-07	8.04E-08	7.31E-08	1.19E-06	1.23E-06	4.52E-07	6.15E-07	2.30E-07	1.23E-06	4.52E-07
2703	490460	3859110	3.72E-03	3.81E-03	3.59E-03	1.29E-06	3.88E-06	2.25E-06	2.30E-06	2.09E-06	9.53E-07	8.99E-07	0.00E+00	0.00E+00	4.14E-07	7.82E-08	4.96E-07	7.65E-08	6.96E-08	1.13E-06	1.17E-06	4.30E-07	5.85E-07	2.19E-07	1.17E-06	4.30E-07
2704	490510	3859110	3.47E-03	3.56E-03	3.36E-03	1.20E-06	3.63E-06	2.10E-06	2.15E-06	1.95E-06	8.90E-07	8.40E-07	0.00E+00	0.00E+00	3.87E-07	7.30E-08	4.64E-07	7.15E-08	6.50E-08	1.06E-06	1.10E-06	4.02E-07	5.47E-07	2.04E-07	1.10E-06	4.02E-07
2705	490560	3859110	3.31E-03	3.39E-03	3.20E-03	1.15E-06	3.46E-06	2.00E-06	2.05E-06	1.86E-06	8.48E-07	8.00E-07	0.00E+00	0.00E+00	3.68E-07	6.96E-08	4.42E-07	6.81E-08	6.20E-08	1.01E-06	1.04E-06	3.83E-07	5.21E-07	1.95E-07	1.04E-06	3.83E-07
2706	490610	3859110	3.15E-03	3.22E-03	3.04E-03	1.09E-06	3.29E-06	1.90E-06	1.95E-06	1.77E-06	8.07E-07	7.61E-07	0.00E+00	0.00E+00	3.50E-07	6.62E-08	4.20E-07	6.48E-08	5.89E-08	9.60E-07	9.93E-07	3.64E-07	4.96E-07	1.85E-07	9.93E-07	3.64E-07
2707	490660	3859110	2.99E-03	3.06E-03	2.89E-03	1.03E-06	3.12E-06	1.81E-06	1.85E-06	1.68E-06	7.66E-07	7.22E-07	0.00E+00	0.00E+00	3.33E-07	6.28E-08	3.99E-07	6.15E-08	5.59E-08	9.11E-07	9.43E-07	3.46E-07	4.71E-07	1.76E-07	9.43E-07	3.46E-07
2708	490710	3859110	2.88E-03	2.95E-03	2.78E-03	9.96E-07	3.01E-06	1.74E-06	1.78E-06	1.62E-06	7.37E-07	6.96E-07	0.00E+00	0.00E+00	3.20E-07	6.05E-08	3.84E-07	5.92E-08	5.39E-08	8.78E-07	9.08E-07	3.33E-07	4.53E-07	1.69E-07	9.08E-07	3.33E-07
2709	490760	3859110	2.76E-03	2.82E-03	2.66E-03	9.54E-07	2.88E-06	1.67E-06	1.71E-06	1.55E-06	7.06E-07	6.66E-07	0.00E+00	0.00E+00	3.07E-07	5.80E-08	3.68E-07	5.67E-08	5.16E-08	8.41E-07	8.70E-07	3.19E-07	4.34E-07	1.62E-07	8.70E-07	3.19E-07
2710	490810	3859110	2.63E-03	2.70E-03	2.54E-03	9.11E-07	2.75E-06	1.59E-06	1.63E-06	1.48E-06	6.75E-07	6.36E-07	0.00E+00	0.00E+00	2.93E-07	5.54E-08	3.51E-07	5.42E-08	4.93E-08	8.03E-07	8.31E-07	3.05E-07	4.15E-07	1.55E-07	8.31E-07	3.05E-07
2711	490860	3859110	2.52E-03	2.58E-03	2.43E-03	8.72E-07	2.63E-06	1.52E-06	1.56E-06	1.41E-06	6.45E-07	6.09E-07	0.00E+00	0.00E+00	2.80E-07	5.30E-08	3.36E-07	5.18E-08	4.71E-08	7.68E-07	7.95E-07	2.91E-07	3.97E-07	1.48E-07	7.95E-07	2.91E-07
2712	490360	3859160	4.47E-03	4.58E-03	4.32E-03	1.55E-06	4.67E-06	2.70E-06	2.77E-06	2.51E-06	1.15E-06	1.08E-06	0.00E+00	0.00E+00	4.98E-07	9.40E-08	5.97E-07	9.20E-08	8.37E-08	1.36E-06	1.41E-06	5.17E-07	7.04E-07	2.63E-07	1.41E-06	5.17E-07
2713	490410	3859160	4.19E-03	4.29E-03	4.05E-03	1.45E-06	4.38E-06	2.53E-06	2.60E-06	2.35E-06	1.07E-06	1.01E-06	0.00E+00	0.00E+00	4.66E-07	8.81E-08	5.59E-07	8.62E-08	7.84E-08	1.28E-06	1.32E-06	4.85E-07	6.60E-07	2.47E-07	1.32E-06	4.85E-07
2714	490460	3859160	3.95E-03	4.04E-03	3.81E-03	1.37E-06	4.12E-06	2.39E-06	2.44E-06	2.22E-06	1.01E-06	9.54E-07	0.00E+00	0.00E+00	4.39E-07	8.30E-08	5.27E-07	8.12E-08	7.39E-08	1.20E-06	1.25E-06	4.57E-07	6.21E-07	2.32E-07	1.25E-06	4.57E-07
2715	490510	3859160	3.72E-03	3.81E-03	3.59E-03	1.29E-06	3.89E-06	2.25E-06	2.30E-06	2.09E-06	9.53E-07	8.99E-07	0.00E+00	0.00E+00	4.14E-07	7.82E-08	4.96E-07	7.66E-08	6.96E-08	1.13E-06	1.17E-06	4.31E-07	5.86E-07	2.19E-07	1.17E-06	4.31E-07
2716	490560	3859160	3.49E-03	3.57E-03	3.37E-03	1.21E-06	3.65E-06	2.11E-06	2.16E-06	1.96E-06	8.94E-07	8.43E-07	0.00E+00	0.00E+00	3.88E-07	7.34E-08	4.66E-07	7.18E-08	6.53E-08	1.06E-06	1.10E-06	4.04E-07	5.49E-07	2.05E-07	1.10E-06	4.04E-07
2717	490610	3859160	3.32E-03	3.40E-03	3.21E-03	1.15E-06	3.47E-06	2.01E-06	2.06E-06	1.87E-06	8.52E-07	8.03E-07	0.00E+00	0.00E+00	3.70E-07	6.99E-08	4.43E-07	6.84E-08	6.22E-08	1.01E-06	1.05E-06	3.85E-07	5.23E-07	1.96E-07	1.05E-06	3.85E-07
2718	490660	3859160	3.09E-03	3.16E-03	2.98E-03	1.07E-06	3.23E-06	1.87E-06	1.91E-06	1.73E-06	7.91E-07	7.46E-07	0.00E+00	0.00E+00	3.44E-07	6.49E-08	4.12E-07	6.35E-08	5.78E-08	9.42E-07	9.74E-07	3.57E-07	4.86E-07	1.82E-07	9.74E-07	3.57E-07
2719	490710	3859160	2.96E-03	3.03E-03	2.86E-03	1.03E-06	3.10E-06	1.79E-06	1.84E-06	1.66E-06	7.59E-07	7.16E-07	0.00E+00	0.00E+00	3.30E-07	6.23E-08	3.95E-07	6.10E-08	5.55E-08	9.04E-07	9.35E-07	3.43E-07	4.67E-07	1.74E-07	9.35E-07	3.43E-07
2720	490760	3859160	2.80E-03	2.87E-03	2.71E-03	9.70E-07	2.93E-06	1.69E-06	1.74E-06	1.57E-06	7.18E-07	6.77E-07	0.00E+00	0.00E+00	3.12E-07	5.89E-08	3.74E-07	5.77E-08	5.24E-08	8.55E-07	8.84E-07	3.24E-07	4.41E-07	1.65E-07	8.84E-07	3.24E-07
2721	490810	3859160	2.69E-03	2.76E-03	2.60E-03	9.33E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.91E-07	6.52E-07	0.00E+00	0.00E+00	3.00E-07	5.67E-08	3.60E-07	5.55E-08	5.05E-08	8.22E-07	8.51E-07	3.12E-07	4.25E-07	1.59E-07	8.51E-07	3.12E-07
2722	490860	3859160	2.59E-03	2.65E-03	2.50E-03	8.97E-07	2.71E-06	1.57E-06	1.61E-06	1.46E-06	6.64E-07	6.26E-07	0.00E+00	0.00E+00	2.88E-07	5.45E-08	3.46E-07	5.33E-08	4.85E-08	7.90E-07	8.17E-07	3.00E-07	4.08E-07	1.52E-07	8.17E-07	3.00E-07
2723	490360	3859210	4.85E-03	4.96E-03	4.68E-03	1.68E-06	5.06E-06	2.93E-06	3.00E-06	2.72E-06	1.24E-06	1.17E-06	0.00E+00	0.00E+00	5.39E-07	1.02E-07	6.47E-07	9.97E-08	9.07E-08	1.48E-06	1.53E-06	5.61E-07	7.63E-07	2.85E-07	1.53E-06	5.61E-07
2724	490410	3859210	4.59E-03	4.70E-03	4.43E-03	1.59E-06	4.80E-06	2.78E-06	2.84E-06	2.58E-06	1.18E-06	1.11E-06	0.00E+00	0.00E+00	5.11E-07	9.65E-08	6.12E-07	9.44E-08	8.59E-08	1.40E-06	1.45E-06	5.31E-07	7.23E-07	2.70E-07	1.45E-06	5.31E-07
2725	490460	3859210	4.22E-03	4.33E-03	4.08E-03	1.46E-06	4.41E-06	2.56E-06	2.62E-06	2.37E-06	1.08E-06	1.02E-06	0.00E+00	0.00E+00	4.70E-07	8.89E-08	5.64E-07	8.69E-08	7.91E-08	1.29E-06	1.33E-06	4.89E-07	6.65E-07	2.49E-07	1.33E-06	4.89E-07
2726	490510	3859210	3.96E-03	4.05E-03	3.82E-03	1.37E-06	4.14E-06	2.39E-06	2.45E-06	2.22E-06	1.01E-06	9.57E-07	0.00E+00	0.00E+00	4.40E-07	8.32E-08	5.28E-07	8.14E-08	7.41E-08	1.21E-06	1.25E-06	4.58E-07	6.23E-07	2.33E-07	1.25E-06	4.58E-07
2727	490560	3859210	3.75E-03	3.85E-03	3.63E-03	1.30E-06	3.92E-06	2.27E-06	2.33E-06	2.11E-06	9.62E-07	9.08E-07	0.00E+00	0.00E+00	4.18E-07	7.90E-08	5.01E-07	7.73E-08	7.03E-08	1.15E-06	1.19E-06	4.35E-07	5.91E-07	2.21E-07	1.19E-06	4.35E-07
2728	490610	3859210	3.54E-03	3.62E-03	3.42E-03	1.22E-06	3.70E-06	2.14E-06	2.19E-06	1.99E-06	9.06E-07	8.55E-07	0.00E+00	0.00E+00	3.94E-07	7.44E-08	4.72E-07	7.28E-08	6.62E-08	1.08E-06	1.12E-06	4.09E-07	5.57E-07	2.08E-07	1.12E-06	4.09E-07
2729	490660	3859210	3.29E-03	3.36E-03	3.17E-03	1.14E-06	3.43E-06	1.99E-06	2.04E-06	1.85E-06	8.42E-07	7.94E-07	0.00E+00	0.00E+00	3.66E-07	6.91E-08	4.39E-07	6.76E-08	6.15E-08	1.00E-06	1.04E-06	3.80E-07	5.18E-07	1.93E-07	1.04E-06	3.80E-07
2730	490710	3859210	3.12E-03	3.19E-03	3.01E-03	1.08E-06	3.26E-06	1.89E-06	1.93E-06	1.75E-06	7.99E-07	7.54E-07	0.00E+00	0.00E+00	3.47E-07	6.56E-08	4.16E-07	6.42E-08	5.84E-08	9.51E-07	9.84E-07	3.61E-07	4.91E-07	1.83E-07	9.84E-07	3.61E-07
2731	490760	3859210	2.95E-03	3.02E-03	2.85E-03	1.02E-06	3.08E-06	1.78E-06	1.83E-06	1.66E-06	7.56E-07	7.13E-07	0.00E+00	0.00E+00	3.28E-07	6.20E-08	3.94E-07	6.07E-08	5.52E-08	9.00E-07	9.31E-07	3.41E-07	4.65E-07	1.74E-07	9.31E-07	3.41E-07

2732	490810	3859210	2.87E-03	2.94E-03	2.77E-03	9.92E-07	3.00E-06	1.73E-06	1.78E-06	1.61E-06	7.35E-07	6.93E-07	0.00E+00	0.00E+00	3.19E-07	6.03E-08	3.83E-07	5.90E-08	5.37E-08	8.75E-07	9.05E-07	3.32E-07	4.52E-07	1.69E-07	9.05E-07	3.32E-07
2733	490860	3859210	2.78E-03	2.85E-03	2.69E-03	9.64E-07	2.91E-06	1.69E-06	1.73E-06	1.56E-06	7.14E-07	6.73E-07	0.00E+00	0.00E+00	3.10E-07	5.86E-08	3.72E-07	5.73E-08	5.21E-08	8.50E-07	8.79E-07	3.22E-07	4.39E-07	1.64E-07	8.79E-07	3.22E-07
2734	490360	3859260	5.27E-03	5.39E-03	5.09E-03	1.82E-06	5.51E-06	3.19E-06	3.26E-06	2.96E-06	1.35E-06	1.27E-06	0.00E+00	0.00E+00	5.86E-07	1.11E-07	7.03E-07	1.08E-07	9.86E-08	1.61E-06	1.66E-06	6.10E-07	8.30E-07	3.10E-07	1.66E-06	6.10E-07
2735	490410	3859260	4.94E-03	5.06E-03	4.77E-03	1.71E-06	5.16E-06	2.99E-06	3.06E-06	2.77E-06	1.27E-06	1.19E-06	0.00E+00	0.00E+00	5.50E-07	1.04E-07	6.59E-07	1.02E-07	9.24E-08	1.51E-06	1.56E-06	5.71E-07	7.78E-07	2.91E-07	1.56E-06	5.71E-07
2736	490460	3859260	4.67E-03	4.78E-03	4.51E-03	1.61E-06	4.88E-06	2.82E-06	2.89E-06	2.62E-06	1.20E-06	1.13E-06	0.00E+00	0.00E+00	5.19E-07	9.81E-08	6.23E-07	9.60E-08	8.73E-08	1.42E-06	1.47E-06	5.40E-07	7.35E-07	2.75E-07	1.47E-06	5.40E-07
2737	490510	3859260	4.41E-03	4.52E-03	4.26E-03	1.53E-06	4.61E-06	2.67E-06	2.73E-06	2.48E-06	1.13E-06	1.07E-06	0.00E+00	0.00E+00	4.91E-07	9.28E-08	5.89E-07	9.08E-08	8.26E-08	1.35E-06	1.39E-06	5.10E-07	6.95E-07	2.60E-07	1.39E-06	5.10E-07
2738	490560	3859260	4.13E-03	4.23E-03	3.99E-03	1.43E-06	4.32E-06	2.50E-06	2.56E-06	2.32E-06	1.06E-06	9.99E-07	0.00E+00	0.00E+00	4.60E-07	8.69E-08	5.51E-07	8.50E-08	7.73E-08	1.26E-06	1.30E-06	4.78E-07	6.51E-07	2.43E-07	1.30E-06	4.78E-07
2739	490610	3859260	3.82E-03	3.92E-03	3.69E-03	1.32E-06	4.00E-06	2.31E-06	2.37E-06	2.15E-06	9.80E-07	9.24E-07	0.00E+00	0.00E+00	4.26E-07	8.04E-08	5.10E-07	7.87E-08	7.16E-08	1.17E-06	1.21E-06	4.42E-07	6.02E-07	2.25E-07	1.21E-06	4.42E-07
2740	490660	3859260	3.68E-03	3.77E-03	3.56E-03	1.27E-06	3.85E-06	2.23E-06	2.28E-06	2.07E-06	9.44E-07	8.90E-07	0.00E+00	0.00E+00	4.10E-07	7.74E-08	4.91E-07	7.58E-08	6.89E-08	1.12E-06	1.16E-06	4.26E-07	5.80E-07	2.17E-07	1.16E-06	4.26E-07
2741	490710	3859260	3.49E-03	3.57E-03	3.37E-03	1.21E-06	3.64E-06	2.11E-06	2.16E-06	1.96E-06	8.94E-07	8.43E-07	0.00E+00	0.00E+00	3.88E-07	7.33E-08	4.65E-07	7.18E-08	6.53E-08	1.06E-06	1.10E-06	4.04E-07	5.49E-07	2.05E-07	1.10E-06	4.04E-07
2742	490760	3859260	3.27E-03	3.35E-03	3.16E-03	1.13E-06	3.42E-06	1.98E-06	2.03E-06	1.84E-06	8.38E-07	7.90E-07	0.00E+00	0.00E+00	3.64E-07	6.87E-08	4.36E-07	6.73E-08	6.12E-08	9.97E-07	1.03E-06	3.78E-07	5.15E-07	1.92E-07	1.03E-06	3.78E-07
2743	490810	3859260	3.15E-03	3.23E-03	3.04E-03	1.09E-06	3.29E-06	1.91E-06	1.95E-06	1.77E-06	8.08E-07	7.62E-07	0.00E+00	0.00E+00	3.51E-07	6.63E-08	4.21E-07	6.49E-08	5.90E-08	9.61E-07	9.95E-07	3.65E-07	4.96E-07	1.85E-07	9.95E-07	3.65E-07
2744	490860	3859260	3.04E-03	3.12E-03	2.94E-03	1.05E-06	3.18E-06	1.84E-06	1.89E-06	1.71E-06	7.80E-07	7.36E-07	0.00E+00	0.00E+00	3.39E-07	6.40E-08	4.06E-07	6.26E-08	5.70E-08	9.29E-07	9.61E-07	3.52E-07	4.79E-07	1.79E-07	9.61E-07	3.52E-07
2745	490360	3859310	5.90E-03	6.04E-03	5.70E-03	2.04E-06	6.16E-06	3.57E-06	3.65E-06	3.31E-06	1.51E-06	1.43E-06	0.00E+00	0.00E+00	6.56E-07	1.24E-07	7.87E-07	1.21E-07	1.10E-07	1.80E-06	1.86E-06	6.83E-07	9.29E-07	3.47E-07	1.86E-06	6.83E-07
2746	490410	3859310	5.49E-03	5.62E-03	5.31E-03	1.90E-06	5.74E-06	3.32E-06	3.40E-06	3.09E-06	1.41E-06	1.33E-06	0.00E+00	0.00E+00	6.11E-07	1.16E-07	7.33E-07	1.13E-07	1.03E-07	1.68E-06	1.73E-06	6.36E-07	8.65E-07	3.23E-07	1.73E-06	6.36E-07
2747	490460	3859310	5.15E-03	5.27E-03	4.97E-03	1.78E-06	5.38E-06	3.12E-06	3.19E-06	2.89E-06	1.32E-06	1.25E-06	0.00E+00	0.00E+00	5.73E-07	1.08E-07	6.87E-07	1.06E-07	9.64E-08	1.57E-06	1.63E-06	5.96E-07	8.11E-07	3.03E-07	1.63E-06	5.96E-07
2748	490510	3859310	4.87E-03	4.99E-03	4.71E-03	1.69E-06	5.10E-06	2.95E-06	3.02E-06	2.74E-06	1.25E-06	1.18E-06	0.00E+00	0.00E+00	5.43E-07	1.03E-07	6.51E-07	1.00E-07	9.13E-08	1.49E-06	1.54E-06	5.64E-07	7.68E-07	2.87E-07	1.54E-06	5.64E-07
2749	490560	3859310	4.61E-03	4.72E-03	4.45E-03	1.60E-06	4.82E-06	2.79E-06	2.86E-06	2.59E-06	1.18E-06	1.11E-06	0.00E+00	0.00E+00	5.13E-07	9.70E-08	6.15E-07	9.49E-08	8.63E-08	1.41E-06	1.45E-06	5.34E-07	7.26E-07	2.71E-07	1.45E-06	5.34E-07
2750	490610	3859310	4.38E-03	4.49E-03	4.23E-03	1.52E-06	4.58E-06	2.65E-06	2.72E-06	2.46E-06	1.12E-06	1.06E-06	0.00E+00	0.00E+00	4.88E-07	9.22E-08	5.85E-07	9.02E-08	8.21E-08	1.34E-06	1.38E-06	5.07E-07	6.91E-07	2.58E-07	1.38E-06	5.07E-07
2751	490660	3859310	4.14E-03	4.24E-03	4.00E-03	1.43E-06	4.33E-06	2.51E-06	2.57E-06	2.33E-06	1.06E-06	1.00E-06	0.00E+00	0.00E+00	4.61E-07	8.72E-08	5.53E-07	8.53E-08	7.76E-08	1.26E-06	1.31E-06	4.80E-07	6.53E-07	2.44E-07	1.31E-06	4.80E-07
2752	490710	3859310	3.83E-03	3.93E-03	3.70E-03	1.33E-06	4.01E-06	2.32E-06	2.38E-06	2.15E-06	9.83E-07	9.27E-07	0.00E+00	0.00E+00	4.27E-07	8.07E-08	5.12E-07	7.89E-08	7.18E-08	1.17E-06	1.21E-06	4.44E-07	6.04E-07	2.26E-07	1.21E-06	4.44E-07
2753	490760	3859310	3.63E-03	3.72E-03	3.51E-03	1.26E-06	3.80E-06	2.20E-06	2.25E-06	2.04E-06	9.31E-07	8.78E-07	0.00E+00	0.00E+00	4.04E-07	7.64E-08	4.85E-07	7.48E-08	6.80E-08	1.11E-06	1.15E-06	4.20E-07	5.72E-07	2.14E-07	1.15E-06	4.20E-07
2754	490810	3859310	3.49E-03	3.57E-03	3.37E-03	1.21E-06	3.64E-06	2.11E-06	2.16E-06	1.96E-06	8.94E-07	8.43E-07	0.00E+00	0.00E+00	3.88E-07	7.33E-08	4.65E-07	7.18E-08	6.53E-08	1.06E-06	1.10E-06	4.04E-07	5.49E-07	2.05E-07	1.10E-06	4.04E-07
2755	490860	3859310	3.32E-03	3.40E-03	3.21E-03	1.15E-06	3.47E-06	2.01E-06	2.06E-06	1.87E-06	8.51E-07	8.03E-07	0.00E+00	0.00E+00	3.70E-07	6.99E-08	4.43E-07	6.84E-08	6.22E-08	1.01E-06	1.05E-06	3.84E-07	5.23E-07	1.95E-07	1.05E-06	3.84E-07
2756	490360	3859360	6.71E-03	6.87E-03	6.48E-03	2.32E-06	7.02E-06	4.06E-06	4.16E-06	3.77E-06	1.72E-06	1.62E-06	0.00E+00	0.00E+00	7.47E-07	1.41E-07	8.96E-07	1.38E-07	1.26E-07	2.05E-06	2.12E-06	7.77E-07	1.06E-06	3.95E-07	2.12E-06	7.77E-07
2757	490410	3859360	6.27E-03	6.42E-03	6.06E-03	2.17E-06	6.55E-06	3.79E-06	3.88E-06	3.52E-06	1.61E-06	1.52E-06	0.00E+00	0.00E+00	6.98E-07	1.32E-07	8.37E-07	1.29E-07	1.17E-07	1.91E-06	1.98E-06	7.26E-07	9.87E-07	3.69E-07	1.98E-06	7.26E-07
2758	490460	3859360	5.88E-03	6.03E-03	5.68E-03	2.04E-06	6.15E-06	3.56E-06	3.65E-06	3.31E-06	1.51E-06	1.42E-06	0.00E+00	0.00E+00	6.55E-07	1.24E-07	7.85E-07	1.21E-07	1.10E-07	1.80E-06	1.86E-06	6.81E-07	9.27E-07	3.46E-07	1.86E-06	6.81E-07
2759	490510	3859360	5.54E-03	5.67E-03	5.35E-03	1.92E-06	5.79E-06	3.35E-06	3.43E-06	3.11E-06	1.42E-06	1.34E-06	0.00E+00	0.00E+00	6.16E-07	1.16E-07	7.39E-07	1.14E-07	1.04E-07	1.69E-06	1.75E-06	6.41E-07	8.72E-07	3.26E-07	1.75E-06	6.41E-07
2760	490560	3859360	5.18E-03	5.30E-03	5.00E-03	1.79E-06	5.41E-06	3.13E-06	3.21E-06	2.91E-06	1.33E-06	1.25E-06	0.00E+00	0.00E+00	5.76E-07	1.09E-07	6.91E-07	1.07E-07	9.69E-08	1.58E-06	1.63E-06	5.99E-07	8.15E-07	3.05E-07	1.63E-06	5.99E-07
2761	490610	3859360	4.86E-03	4.97E-03	4.69E-03	1.68E-06	5.08E-06	2.94E-06	3.01E-06	2.73E-06	1.24E-06	1.17E-06	0.00E+00	0.00E+00	5.41E-07	1.02E-07	6.48E-07	9.99E-08	9.09E-08	1.48E-06	1.53E-06	5.62E-07	7.65E-07	2.86E-07	1.53E-06	5.62E-07
2762	490660	3859360	4.59E-03	4.70E-03	4.43E-03	1.59E-06	4.80E-06	2.78E-06	2.84E-06	2.58E-06	1.18E-06	1.11E-06	0.00E+00	0.00E+00	5.11E-07	9.66E-08	6.13E-07	9.45E-08	8.59E-08	1.40E-06	1.45E-06	5.31E-07	7.23E-07	2.70E-07	1.45E-06	5.31E-07
2763	490710	3859360	4.30E-03	4.40E-03	4.15E-03	1.49E-06	4.49E-06	2.60E-06	2.66E-06	2.41E-06	1.10E-06	1.04E-06	0.00E+00	0.00E+00	4.78E-07	9.04E-08	5.74E-07	8.85E-08	8.05E-08	1.31E-06	1.36E-06	4.98E-07	6.77E-07	2.53E-07	1.36E-06	4.98E-07
2764	490760	3859360	4.02E-03	4.12E-03	3.89E-03	1.39E-06	4.21E-06	2.44E-06	2.49E-06	2.26E-06	1.03E-06	9.73E-07	0.00E+00	0.00E+00	4.48E-07	8.47E-08	5.37E-07	8.28E-08	7.54E-08	1.23E-06	1.27E-06	4.66E-07	6.34E-07	2.37E-07	1.27E-06	4.66E-07
2765	490810	3859360	3.88E-03	3.97E-03	3.75E-03	1.34E-06	4.05E-06	2.35E-06	2.40E-06	2.18E-06	9.94E-07	9.38E-07	0.00E+00	0.00E+00	4.32E-07	8.16E-08	5.18E-07	7.98E-08	7.26E-08	1.18E-06	1.22E-06	4.49E-07	6.11E-07	2.28E-07	1.22E-06	4.49E-07
2766	490860	3859360	3.70E-03	3.79E-03	3.57E-03	1.28E-06	3.86E-06	2.24E-06	2.29E-06	2.08E-06	9.47E-07	8.94E-07	0.00E+00	0.00E+00	4.11E-07	7.77E-08	4.93E-07	7.61E-08	6.92E-08	1.13E-06	1.17E-06	4.28E-07	5.82E-07	2.18E-07	1.17E-06	4.28E-07
2767	490360	3859410	7.80E-03	7.98E-03	7.53E-03	2.70E-06	8.15E-06	4.72E-06	4.83E-06	4.38E-06	2.00E-06	1.88E-06	0.00E+00	0.00E+00	8.68E-07	1.64E-07	1.04E-06	1.60E-07	1.46E-07	2.38E-06	2.46E-06	9.02E-07	1.23E-06	4.59E-07	2.46E-06	9.02E-07
2768	490410	3859410	7.25E-03	7.43E-03	7.01E-03	2.51E-06	7.58E-06	4.39E-06	4.49E-06	4.07E-06	1.86E-06	1.75E-06	0.00E+00	0.00E+00	8.07E-07	1.53E-07	9.68E-07	1.49E-07	1.36E-07	2.21E-06	2.29E-06	8.39E-07	1.14E-06	4.27E-07	2.29E-06	8.39E-07
2769	490460	3859410	6.76E-03	6.93E-03	6.53E-03	2.34E-06	7.07E-06	4.09E-06	4.19E-06	3.80E-06	1.73E-06	1.64E-06	0.00E+00	0.00E+00	7.53E-07	1.42E-07	9.03E-07	1.39E-07	1.27E-07	2.06E-06	2.13E-06	7.83E-07	1.07E-06	3.98E-07	2.13E-06	7.83E-07
2770	490510	3859410	6.32E-03	6.48E-03	6.11E-03	2.19E-06	6.61E-06	3.83E-06	3.92E-06	3.55E-06	1.62E-06	1.53E-06	0.00E+00	0.00E+00	7.04E-07	1.33E-07	8.44E-07	1.30E-07	1.18E-07	1.93E-06	2.00E-06	7.32E-07	9.96E-07	3.72E-07	2.00E-06	7.32E-07
2771	490560	3859410	5.93E-03	6.07E-03	5.73E-03	2.05E-06	6.20E-06	3.59E-06	3.68E-06	3.33E-06	1.52E-06	1.43E-06	0.00E+00	0.00E+00	6.60E-07	1.25E-07	7.92E-07	1.22E-07	1.11E-07	1.81E-06	1.87E-06	6.86E-07	9.34E-07	3.49E-07	1.87E-06	6.86E-07
2772	490610	3859410	5.57E-03	5.71E-03	5.38E-03	1.93E-06	5.82E-06	3.37E-06	3.45E-06	3.13E-06	1.43E-06	1.35E-06	0.00E+00	0.00E+00	6.20E-07	1.17E-07	7.44E-07	1.15E-07	1.04E-07	1.70E-06	1.76E-06	6.45E-07	8.78E-07	3.28E-07	1.76E-06	6.45E-07
2773	490660	3859410	5.18E-03	5.30E-03	5.00E-03	1.79E-06	5.41E-06	3.13E-06	3.21E-06	2.91E-06	1.33E-06	1.25E-06	0.00E+00	0.00E+00	5.76E-07	1.09E-07	6.91E-07	1.07E-07	9.69E-08	1.58E-06	1.63E-06	5.99E-07	8.15E-07	3.05E-07	1.63E-06	5.99E-07
2774	490710	3859410	4.84E-03	4.96E-03	4.68E-03	1.68E-06	5.06E-06	2.93E-06	3.00E-06	2.72E-06	1.24E-06	1.17E-06	0.00E+00	0.00E+00	5.39E-07	1.02E-07	6.47E-07	9.97E-08	9.07E-08	1.48E-06	1.53E-06	5.61E-07	7.63E-07	2.85E-07	1.53E-06	5.61E-07
2775	490760	3859410	4.51E-03	4.61E-03	4.35E-03	1.56E-06	4.71E-06	2.73E-06	2.79E-06	2.53E-06	1.16E-06	1.09E-06	0.00E+00	0.00E+00	5.02E-07	9.48E-08	6.01E-07	9.27E-08	8.44E-08	1.37E-06	1.42E-06	5.22E-07	7.10E-07	2.65E-07	1.42E-06	5.22E-07
2776	490810	3859410	4.32E-03	4.43E-03	4.17E-03	1.50E-06	4.52E-06	2.61E-06	2.68E-06	2.43E-06	1.11E-06	1.04E-06	0.00E+00	0.00E+00	4.81E-07	9.09E-08	5.77E-07	8.90E-08	8.09E-08	1.32E-06	1.36E-06	5.00E-07	6.81E-07	2.54E-07	1.36E-06	5.00E-07
2777	490860	3859410	4.17E-03	4.27E-03	4.03E-03	1.44E-06	4.36E-06	2.52E-06	2.59E-06	2.34E-06	1.07E-06	1.01E-06	0.00E+00	0.00E+00	4.64E-07	8.78E-08	5.57E-07	8.59E-08	7.81E-08	1.27E-06	1.32E-06	4.83E-07	6.57E-07	2.46E-07	1.32E-06	4.83E-07
2778	490360	3859460	9.31E-03	9.54E-03	9.00E-03	3.22E-06	9.73E-06	5.63E-06	5.77E-06	5.23E-06	2.39E-06	2.25E-06	0.00E+00	0.00E+00	1.04E-06	1.96E-07	1.24E-06	1.92E-07	1.74E-07	2.84E-06	2.94E-06	1.08E-06	1.47E-06	5.48E-07	2.94E-06	1.08E-06
2779	490410	3859460	8.53E-03	8.73E-03	8.24E-03	2.95E-06	8.91E-06	5.16E-06	5.28E-06	4.79E-06	2.19E-06	2.06E-06	0.00E+00	0.00E+00	9.49E-07	1.79E-07	1.14E-06	1.76E-07	1.60E-07	2.60E-06	2.69E-06	9.87E-07	1.34E-06	5.02E-07	2.69E-06	9.87E-07
2780	490460	3859460	7.90E-03	8.09E-03	7.63E-03	2.74E-06	8.26E-06	4.78E-06	4.90E-06	4.44E-06	2.03E-06	1.91E-06	0.00E+00	0.00E+00	8.80E-07	1.66E-07	1.05E-06	1.63E-07	1.48E-07	2.41E-06	2.49E-06	9.15E-07	1.24E-06	4.65E-07	2.49E-06	9.15E-07
2781	490510	3859460	7.34E-03	7.52E-03	7.09E-03	2.54E-06	7.67E-06	4.44E-06	4.55E-06	4.12E-06	1.88E-06	1.77E-06	0.00E+00	0.00E+00	8.17E-07	1.54E-07	9.80E-07	1.51E-07	1.37E-07	2.24E-06	2.32E-06	8.50E-07	1.16E-06	4.32E-07	2.32E-06	8.50E-07
2782	490560	3859460	6.85E-03	7.02E-03	6.62E-03	2.37E-06	7.16E-06	4.15E-06	4.25E-06	3.85E-06	1.76E-06	1.66E-06	0.00E+00	0.00E+00	7.63E-07	1.44E-07	9.14E-07	1.41E-07	1.28E-07	2.09E-06	2.16E-06	7.93E-07	1.08E-06	4.03E-07	2.16E-06	7.93E-07
2783	490610	3859460	6.38E-03	6.54E-03	6.17E-03	2.21E-06	6.67E-06	3.86E-06	3.96E-06	3.59E-06	1.64E-06	1.54E-06	0.00E+00	0.00E+00	7.11E-07	1.34E-07	8.52E-07	1.31E-07	1.20E-07	1.95E-06	2.01E-06	7.39E-07	1.01E-06	3.76E-07	2.01E-06	7.39E-07
2784	490660	3859460	5.95E-03	6.09E-03	5.74E-03	2.06E-06	6.22E-06	3.60E-06	3.69E-06	3.34E-06	1.52E-06	1.44E-06	0.00E+00	0.00E+00	6.62E-07	1.25E-07	7.94E-07	1.22E-07	1.11E-07	1.81E-06	1.88E-06	6.88E-07	9.37E-07	3.50E-07	1.88E-06	6.88E-07
2785	490710	3859460	5.59E-03	5.72E-03	5.40E-03	1.93E-06	5.84E-06	3.38E-06	3.46E-06	3.14E-06	1.43E-06	1.35E-06	0.00E+00	0.00E+00	6.22E-07	1.18E-07	7.46E-07	1.15E-07	1.05E-07	1.70E-06	1.76E-06	6.47E-07	8.80E-07	3.29E-07	1.76E-06	6.47E-07
2786	490760	3859460	5.24E-03	5.36E-03	5.06E-03	1.81E-06	5.47E-06	3.17E-06	3.25E-06	2.94E-06	1.34E-06	1.27E-06	0.00E+00	0.00E+00	5.83E-07	1.10E-07	6.99E-07	1.08E-07	9.81E-08	1.60E-06	1.65E-06	6.06E-07	8.25E-07	3.08E-07	1.65E-06	6.06E-07
2787	490810	3859460	4.92E-03	5.04E-03	4.76E-03	1.70E-06	5.15E-06	2.98E-06	3.05E-06	2.77E-06	1.26E-06	1.19E-06	0.00E+00	0.00E+00	5.48E-07	1.04E-07	6.57E-07	1.01E-07	9.22E-08	1.50E-06	1.55E-06	5.70E-07	7.76E-07	2.90E-07	1.55E-06	5.70E-07
2788	490860	3859460	4.71E-03	4.83E-03	4.55E-03	1.63E-06	4.92E-06	2.85E-06	2.92E-06	2.65E-06	1.21E-06	1.14E-06	0.00E+00	0.00E+00	5.24E-07	9.91E-08	6.29E-07	9.70E-08	8.82E-08	1.44E-06	1.49E-06	5.45E-07	7.42E-07	2.77E-07	1.49E-06	5.45E-07
2789	490360	3859510	1.16E-02	1.19E-02	1.12E-02	4.02E-06	1.22E-05	7.04E-06	7.21E-06	6.53E-06	2.98E-06	2.81E-06	0.00E+00	0.00E+00	1.29E-06	2.45E-07	1.55E-06	2.39E-07	2.18E-07	3.55E-06	3.67E-06	1.35E-06	1.83E-06	6.84E-07	3.67E-06	1.35E-06
2790	490410	3859510	1.05E-02	1.08E-02	1.02E-02	3.64E-06	1.10E-05	6.37E-06	6.52E-06	5.91E-06	2.70E-06	2.54E-06	0.00E+00	0.00E+00	1.17E-06	2.21E-07	1.40E-06	2.17E-07	1.97E-07	3.21E-06	3.32E-06	1.22E-06	1.66E-06	6.19E-07	3.32E-06	1.22E-06
2791	490460	3859510	9.56E-03	9.79E-03	9.24E-03	3.31E-06	9.99E-06	5.78E-06	5.93E-06	5.37E-06	2.45E-06	2.31E-06	0.00E+00	0.00E+00	1.06E-06	2.01E-07	1.28E-06	1.97E-07	1.79E-07	2.92E-06	3.02E-06	1.11E-06	1.51E-06	5.63E-07	3.02E-06	1.11E-06
2792	490510	3859510	8.78E-03	9.00E-03	8.49E-03	3.04E-06	9.18E-06	5.31E-06	5.44E-06	4.93E-06	2.25E-06	2.12E-06	0.00E+00	0.00E+00	9.78E-07	1.85E-07	1.17E-06	1.81E-07	1.64E-07	2.68E-06	2.77E-06	1.02E-06	1.38E-06	5.17E-07	2.77E-06	1.02E-06
2793	490560	3859510	8.11E-03	8.31E-03	7.84E-03	2.81E-06	8.48E-06	4.91E-06	5.03E-06	4.56E-06	2.08E-06	1.96E-06	0.00E+00	0.00E+00	9.03E-07	1.71E-07	1.08E-06	1.67E-07	1.52E-07	2.47E-06	2.56E-06	9.39E-07	1.28E-06	4.77E-07	2.56E-06	9.39E-07
2794	490610	3859510	7.49E-03	7.68E-03	7.24E-03	2.59E-06	7.83E-06	4.53E-06	4.64E-06	4.21E-06	1.92E-06	1.81E-06	0.00E+00	0.00E+00	8.34E-07	1.58E-07	1.00E-06	1.54E-07	1.40E-07	2.29E-06	2.37E-06	8.68E-07	1.18E-06	4.41E-07	2.37E-06	8.68E-07
2795	490660	3859510	6.95E-03	7.12E-03	6.72E-03	2.41E-06	7.27E-06	4.21E-06	4.31E-06	3.91E-06	1.78E-06	1.68E-06	0.00E+00	0.00E+00	7.74E-07	1.46E-07	9.28E-07	1.43E-07	1.30E-07	2.12E-06	2.19E-06	8.05E-07	1.10E-06	4.09E-07	2.19E-06	8.05E-07
2796	490710	3859510	6.46E-03	6.62E-03	6.24E-03	2.24E-06	6.75E-06	3.91E-06	4.00E-06	3.63E-06	1.66E-06	1.56E-06	0.00E+00	0.00E+00	7.19E-07	1.36E-07	8.62E-07	1.33E-07	1.21E-07	1.97E-06	2.04E-06	7.48E-07	1.02E-06	3.80E-07	2.04E-06	7.48E-07
2797	490760	3859510	6.03E-03	6.18E-03	5.83E-03	2.09E-06	6.31E-06	3.65E-06	3.74E-06	3.39E-06	1.55E-06	1.46E-06	0.00E+00	0.00E+00	6.72E-07	1.27E-07	8.06E-07	1.24E-07	1.13E-07	1.84E-06	1.90E-06	6.99E-07	9.51E-07	3.55E-07	1.90E-06	6.99E-07
2798	490810	3859510	5.68E-03	5.82E-03	5.49E-03	1.97E-06	5.94E-06	3.44E-06	3.52E-06	3.19E-06	1.46E-06	1.37E-06	0.00E+00	0.00E+00	6.33E-07	1.20E-07	7.59E-07	1.17E-07	1.06E-07	1.73E-06	1.79E-06	6.58E-07	8.95E-07	3.35E-07	1.79E-06	6.58E-07
2799	490860	3859510	5.35E-03	5.48E-03	5.17E-03	1.85E-06	5.59E-06	3.24E-06	3.31E-06	3.00E-06	1.37E-06	1.29E-06	0.00E+00	0.00E+00	5.95E-07	1.12E-07	7.14E-07	1.10E-07	1.00E-07	1.63E-06	1.69E-06	6.19E-07	8.42E-07	3.15E-07	1.69E-06	6.19E-07
2800	490360	3859560	1.54E-02	1.58E-02	1.49E-02	5.34E-06	1.61E-05	9.34E-06	9.57E-06	8.67E-06	3.96E-06	3.73E-06	0.00E+00	0.00E+00	1.72E-06	3.25E-07	2.06E-06	3.18E-07	2.89E-07	4.71E-06	4.87E-06	1.79E-06	2.43E-06	9.09E-07	4.87E-06	1.79E-06
2801	490410	3859560	1.37E-02	1.40E-02	1.32E-02	4.74E-06	1.43E-05	8.28E-06	8.48E-06	7.69E-06	3.51E-06	3.31E-06	0.00E+00	0.00E+00	1.52E-06	2.88E-07	1.83E-06	2.82E-07	2.56E-07	4.18E-06	4.32E-06	1.58E-06	2.16E-06	8.06E-07	4.32E-06	1.58E-06
2802	490460	3859560	1.22E-02	1.25E-02	1.18E-02	4.23E-06	1.28E-05	7.39E-06	7.57E-06	6.86E-06	3.13E-06	2.95E-06	0.00E+00	0.00E+00	1.36E-06	2.57E-07	1.63E-06	2.51E-07	2.29E-07	3.73E-06	3.86E-06	1.41E-06	1.92E-06	7.19E-07	3.86E-06	1.41E-06
2803	490510	3859560	1.09E-02	1.12E-02	1.05E-02	3.78E-06	1.14E-05	6.60E-06	6.76E-06	6.13E-06	2.80E-06	2.64E-06	0.00E+00	0.00E+00	1.21E-06	2.30E-07	1.46E-06	2.25E-07	2.04E-07	3.33E-06	3.44E-06	1.26E-06	1.72E-06	6.42E-07	3.44E-06	1.26E-06
2804	490560	3859560	9.94E-03	1.02E-02	9.60E-03	3.44E-06	1.04E-05	6.01E-06	6.16E-06	5.58E-06	2.55E-06	2.40E-06	0.00E+00	0.00E+00	1.11E-06	2.09E-07	1.33E-06	2.05E-07	1.86E-07	3.03E-06	3.14E-06	1.15E-06	1.57E-06	5.85E-07	3.14E-06	1.15E-06
2805	490610	3859560	9.07E-03	9.29E-03	8.76E-03	3.14E-06	9.48E-06	5.49E-06	5.62E-06	5.10E-06	2.33E-06	2.19E-06	0.00E+00	0.00E+00	1.01E-06	1.91E-07	1.21E-06	1.87E-07	1.70E-07	2.77E-06	2.86E-06	1.05E-06	1.43E-06	5.34E-07	2.86E-06	1.05E-06

2806	490660	3859560	8.33E-03	8.53E-03	8.04E-03	2.88E-06	8.70E-06	5.04E-06	5.16E-06	4.68E-06	2.13E-06	2.01E-06	0.00E+00	0.00E+00	9.27E-07	1.75E-07	1.11E-06	1.71E-07	1.56E-07	2.54E-06	2.63E-06	9.64E-07	1.31E-06	4.90E-07	2.63E-06	9.64E-07
2807	490710	3859560	7.66E-03	7.85E-03	7.40E-03	2.65E-06	8.01E-06	4.64E-06	4.75E-06	4.30E-06	1.96E-06	1.85E-06	0.00E+00	0.00E+00	8.53E-07	1.61E-07	1.02E-06	1.58E-07	1.43E-07	2.34E-06	2.42E-06	8.87E-07	1.21E-06	4.51E-07	2.42E-06	8.87E-07
2808	490760	3859560	7.04E-03	7.21E-03	6.80E-03	2.44E-06	7.36E-06	4.26E-06	4.36E-06	3.96E-06	1.80E-06	1.70E-06	0.00E+00	0.00E+00	7.84E-07	1.48E-07	9.40E-07	1.45E-07	1.32E-07	2.15E-06	2.22E-06	8.15E-07	1.11E-06	4.15E-07	2.22E-06	8.15E-07
2809	490810	3859560	6.54E-03	6.70E-03	6.32E-03	2.26E-06	6.84E-06	3.96E-06	4.05E-06	3.68E-06	1.68E-06	1.58E-06	0.00E+00	0.00E+00	7.28E-07	1.38E-07	8.73E-07	1.35E-07	1.22E-07	2.00E-06	2.06E-06	7.57E-07	1.03E-06	3.85E-07	2.06E-06	7.57E-07
2810	490860	3859560	6.09E-03	6.24E-03	5.89E-03	2.11E-06	6.37E-06	3.69E-06	3.78E-06	3.42E-06	1.56E-06	1.47E-06	0.00E+00	0.00E+00	6.78E-07	1.28E-07	8.13E-07	1.25E-07	1.14E-07	1.86E-06	1.92E-06	7.05E-07	9.60E-07	3.59E-07	1.92E-06	7.05E-07
2811	490187.3	3859422	1.11E-02	1.14E-02	1.07E-02	3.85E-06	1.16E-05	6.73E-06	6.89E-06	6.24E-06	2.85E-06	2.69E-06	0.00E+00	0.00E+00	1.24E-06	2.34E-07	1.48E-06	2.29E-07	2.08E-07	3.39E-06	3.51E-06	1.29E-06	1.75E-06	6.54E-07	3.51E-06	1.29E-06
2812	490237.3	3859422	1.01E-02	1.03E-02	9.72E-03	3.48E-06	1.05E-05	6.09E-06	6.24E-06	5.65E-06	2.58E-06	2.43E-06	0.00E+00	0.00E+00	1.12E-06	2.12E-07	1.34E-06	2.07E-07	1.88E-07	3.07E-06	3.18E-06	1.16E-06	1.59E-06	5.92E-07	3.18E-06	1.16E-06
2813	490287.3	3859422	9.18E-03	9.40E-03	8.87E-03	3.18E-06	9.59E-06	5.55E-06	5.69E-06	5.16E-06	2.35E-06	2.22E-06	0.00E+00	0.00E+00	1.02E-06	1.93E-07	1.23E-06	1.89E-07	1.72E-07	2.80E-06	2.90E-06	1.06E-06	1.45E-06	5.40E-07	2.90E-06	1.06E-06
2814	490337.3	3859422	8.40E-03	8.61E-03	8.12E-03	2.91E-06	8.78E-06	5.08E-06	5.21E-06	4.72E-06	2.15E-06	2.03E-06	0.00E+00	0.00E+00	9.35E-07	1.77E-07	1.12E-06	1.73E-07	1.57E-07	2.56E-06	2.65E-06	9.73E-07	1.32E-06	4.95E-07	2.65E-06	9.73E-07
2815	490187.3	3859472	1.40E-02	1.43E-02	1.35E-02	4.84E-06	1.46E-05	8.46E-06	8.67E-06	7.86E-06	3.58E-06	3.38E-06	0.00E+00	0.00E+00	1.56E-06	2.94E-07	1.87E-06	2.88E-07	2.62E-07	4.27E-06	4.41E-06	1.62E-06	2.20E-06	8.23E-07	4.41E-06	1.62E-06
2816	490237.3	3859472	1.25E-02	1.28E-02	1.21E-02	4.32E-06	1.30E-05	7.55E-06	7.73E-06	7.01E-06	3.20E-06	3.02E-06	0.00E+00	0.00E+00	1.39E-06	2.62E-07	1.67E-06	2.57E-07	2.34E-07	3.81E-06	3.94E-06	1.44E-06	1.97E-06	7.34E-07	3.94E-06	1.44E-06
2817	490287.3	3859472	1.12E-02	1.15E-02	1.08E-02	3.88E-06	1.17E-05	6.78E-06	6.94E-06	6.29E-06	2.87E-06	2.71E-06	0.00E+00	0.00E+00	1.25E-06	2.36E-07	1.50E-06	2.31E-07	2.10E-07	3.42E-06	3.54E-06	1.30E-06	1.76E-06	6.59E-07	3.54E-06	1.30E-06
2818	490337.3	3859472	1.02E-02	1.04E-02	9.84E-03	3.53E-06	1.07E-05	6.17E-06	6.31E-06	5.72E-06	2.61E-06	2.46E-06	0.00E+00	0.00E+00	1.13E-06	2.14E-07	1.36E-06	2.10E-07	1.91E-07	3.11E-06	3.22E-06	1.18E-06	1.61E-06	6.00E-07	3.22E-06	1.18E-06
2819	490297.1	3859500	1.26E-02	1.29E-02	1.22E-02	4.36E-06	1.32E-05	7.63E-06	7.81E-06	7.08E-06	3.23E-06	3.05E-06	0.00E+00	0.00E+00	1.40E-06	2.65E-07	1.68E-06	2.59E-07	2.36E-07	3.85E-06	3.98E-06	1.46E-06	1.99E-06	7.42E-07	3.98E-06	1.46E-06
2820	490327.1	3859500	1.19E-02	1.22E-02	1.15E-02	4.11E-06	1.24E-05	7.19E-06	7.36E-06	6.67E-06	3.05E-06	2.87E-06	0.00E+00	0.00E+00	1.32E-06	2.50E-07	1.59E-06	2.45E-07	2.22E-07	3.62E-06	3.75E-06	1.38E-06	1.87E-06	6.99E-07	3.75E-06	1.38E-06
2821	490297.1	3859530	1.50E-02	1.54E-02	1.45E-02	5.19E-06	1.57E-05	9.07E-06	9.29E-06	8.42E-06	3.84E-06	3.62E-06	0.00E+00	0.00E+00	1.67E-06	3.15E-07	2.00E-06	3.09E-07	2.81E-07	4.57E-06	4.73E-06	1.74E-06	2.36E-06	8.82E-07	4.73E-06	1.74E-06
2822	490327.1	3859530	1.39E-02	1.43E-02	1.35E-02	4.83E-06	1.46E-05	8.44E-06	8.64E-06	7.84E-06	3.58E-06	3.37E-06	0.00E+00	0.00E+00	1.55E-06	2.93E-07	1.86E-06	2.87E-07	2.61E-07	4.26E-06	4.40E-06	1.61E-06	2.20E-06	8.21E-07	4.40E-06	1.61E-06
2823	490319.7	3859055	4.07E-03	4.17E-03	3.93E-03	1.41E-06	4.25E-06	2.46E-06	2.52E-06	2.29E-06	1.04E-06	9.83E-07	0.00E+00	0.00E+00	4.53E-07	8.56E-08	5.43E-07	8.37E-08	7.62E-08	1.24E-06	1.28E-06	4.71E-07	6.41E-07	2.39E-07	1.28E-06	4.71E-07
2824	490319.7	3859105	4.33E-03	4.44E-03	4.18E-03	1.50E-06	4.53E-06	2.62E-06	2.68E-06	2.43E-06	1.11E-06	1.05E-06	0.00E+00	0.00E+00	4.82E-07	9.11E-08	5.78E-07	8.91E-08	8.11E-08	1.32E-06	1.37E-06	5.01E-07	6.82E-07	2.55E-07	1.37E-06	5.01E-07
2825	490069.7	3859155	6.14E-03	6.29E-03	5.93E-03	2.13E-06	6.42E-06	3.72E-06	3.81E-06	3.45E-06	1.57E-06	1.48E-06	0.00E+00	0.00E+00	6.84E-07	1.29E-07	8.20E-07	1.26E-07	1.15E-07	1.87E-06	1.94E-06	7.11E-07	9.67E-07	3.62E-07	1.94E-06	7.11E-07
2826	490119.7	3859155	5.80E-03	5.94E-03	5.60E-03	2.01E-06	6.06E-06	3.51E-06	3.59E-06	3.26E-06	1.49E-06	1.40E-06	0.00E+00	0.00E+00	6.45E-07	1.22E-07	7.74E-07	1.19E-07	1.09E-07	1.77E-06	1.83E-06	6.71E-07	9.13E-07	3.41E-07	1.83E-06	6.71E-07
2827	490269.7	3859155	4.96E-03	5.08E-03	4.79E-03	1.72E-06	5.18E-06	3.00E-06	3.07E-06	2.79E-06	1.27E-06	1.20E-06	0.00E+00	0.00E+00	5.52E-07	1.04E-07	6.62E-07	1.02E-07	9.29E-08	1.51E-06	1.57E-06	5.74E-07	7.81E-07	2.92E-07	1.57E-06	5.74E-07
2828	490319.7	3859155	4.67E-03	4.78E-03	4.51E-03	1.62E-06	4.88E-06	2.83E-06	2.89E-06	2.62E-06	1.20E-06	1.13E-06	0.00E+00	0.00E+00	5.20E-07	9.83E-08	6.23E-07	9.61E-08	8.75E-08	1.43E-06	1.47E-06	5.41E-07	7.36E-07	2.75E-07	1.47E-06	5.41E-07
2829	490069.7	3859205	6.90E-03	7.07E-03	6.67E-03	2.39E-06	7.22E-06	4.18E-06	4.28E-06	3.88E-06	1.77E-06	1.67E-06	0.00E+00	0.00E+00	7.69E-07	1.45E-07	9.22E-07	1.42E-07	1.29E-07	2.11E-06	2.18E-06	7.99E-07	1.09E-06	4.06E-07	2.18E-06	7.99E-07
2830	490119.7	3859205	6.51E-03	6.67E-03	6.29E-03	2.26E-06	6.81E-06	3.94E-06	4.04E-06	3.66E-06	1.67E-06	1.58E-06	0.00E+00	0.00E+00	7.25E-07	1.37E-07	8.70E-07	1.34E-07	1.22E-07	1.99E-06	2.06E-06	7.54E-07	1.03E-06	3.83E-07	2.06E-06	7.54E-07
2831	490169.7	3859205	6.13E-03	6.28E-03	5.92E-03	2.12E-06	6.41E-06	3.71E-06	3.80E-06	3.44E-06	1.57E-06	1.48E-06	0.00E+00	0.00E+00	6.83E-07	1.29E-07	8.19E-07	1.26E-07	1.15E-07	1.87E-06	1.94E-06	7.10E-07	9.66E-07	3.61E-07	1.94E-06	7.10E-07
2832	490219.7	3859205	5.74E-03	5.88E-03	5.54E-03	1.99E-06	6.00E-06	3.47E-06	3.56E-06	3.22E-06	1.47E-06	1.39E-06	0.00E+00	0.00E+00	6.39E-07	1.21E-07	7.66E-07	1.18E-07	1.07E-07	1.75E-06	1.81E-06	6.64E-07	9.04E-07	3.38E-07	1.81E-06	6.64E-07
2833	490269.7	3859205	5.36E-03	5.49E-03	5.17E-03	1.85E-06	5.60E-06	3.24E-06	3.32E-06	3.01E-06	1.37E-06	1.30E-06	0.00E+00	0.00E+00	5.96E-07	1.13E-07	7.15E-07	1.10E-07	1.00E-07	1.63E-06	1.69E-06	6.20E-07	8.44E-07	3.15E-07	1.69E-06	6.20E-07
2834	490319.7	3859205	5.06E-03	5.18E-03	4.89E-03	1.75E-06	5.29E-06	3.06E-06	3.13E-06	2.84E-06	1.30E-06	1.22E-06	0.00E+00	0.00E+00	5.63E-07	1.06E-07	6.75E-07	1.04E-07	9.47E-08	1.54E-06	1.60E-06	5.85E-07	7.97E-07	2.98E-07	1.60E-06	5.85E-07
2835	490069.7	3859255	7.83E-03	8.02E-03	7.56E-03	2.71E-06	8.18E-06	4.74E-06	4.85E-06	4.40E-06	2.01E-06	1.89E-06	0.00E+00	0.00E+00	8.71E-07	1.65E-07	1.04E-06	1.61E-07	1.47E-07	2.39E-06	2.47E-06	9.06E-07	1.23E-06	4.61E-07	2.47E-06	9.06E-07
2836	490119.7	3859255	7.32E-03	7.49E-03	7.07E-03	2.53E-06	7.65E-06	4.43E-06	4.53E-06	4.11E-06	1.88E-06	1.77E-06	0.00E+00	0.00E+00	8.14E-07	1.54E-07	9.77E-07	1.51E-07	1.37E-07	2.23E-06	2.31E-06	8.47E-07	1.15E-06	4.31E-07	2.31E-06	8.47E-07
2837	490169.7	3859255	6.84E-03	7.01E-03	6.61E-03	2.37E-06	7.15E-06	4.14E-06	4.24E-06	3.84E-06	1.75E-06	1.65E-06	0.00E+00	0.00E+00	7.62E-07	1.44E-07	9.13E-07	1.41E-07	1.28E-07	2.09E-06	2.16E-06	7.92E-07	1.08E-06	4.03E-07	2.16E-06	7.92E-07
2838	490219.7	3859255	6.37E-03	6.52E-03	6.15E-03	2.21E-06	6.66E-06	3.85E-06	3.95E-06	3.58E-06	1.63E-06	1.54E-06	0.00E+00	0.00E+00	7.09E-07	1.34E-07	8.50E-07	1.31E-07	1.19E-07	1.94E-06	2.01E-06	7.37E-07	1.00E-06	3.75E-07	2.01E-06	7.37E-07
2839	490269.7	3859255	5.93E-03	6.08E-03	5.73E-03	2.05E-06	6.20E-06	3.59E-06	3.68E-06	3.33E-06	1.52E-06	1.43E-06	0.00E+00	0.00E+00	6.61E-07	1.25E-07	7.92E-07	1.22E-07	1.11E-07	1.81E-06	1.87E-06	6.87E-07	9.35E-07	3.49E-07	1.87E-06	6.87E-07
2840	490319.7	3859255	5.57E-03	5.70E-03	5.38E-03	1.93E-06	5.82E-06	3.37E-06	3.45E-06	3.13E-06	1.43E-06	1.35E-06	0.00E+00	0.00E+00	6.20E-07	1.17E-07	7.43E-07	1.15E-07	1.04E-07	1.70E-06	1.76E-06	6.45E-07	8.77E-07	3.28E-07	1.76E-06	6.45E-07
2841	490069.7	3859305	9.06E-03	9.28E-03	8.75E-03	3.14E-06	9.47E-06	5.48E-06	5.61E-06	5.09E-06	2.32E-06	2.19E-06	0.00E+00	0.00E+00	1.01E-06	1.91E-07	1.21E-06	1.86E-07	1.70E-07	2.76E-06	2.86E-06	1.05E-06	1.43E-06	5.33E-07	2.86E-06	1.05E-06
2842	490119.7	3859305	8.38E-03	8.59E-03	8.10E-03	2.90E-06	8.76E-06	5.07E-06	5.20E-06	4.71E-06	2.15E-06	2.03E-06	0.00E+00	0.00E+00	9.33E-07	1.76E-07	1.12E-06	1.73E-07	1.57E-07	2.56E-06	2.65E-06	9.70E-07	1.32E-06	4.93E-07	2.65E-06	9.70E-07
2843	490169.7	3859305	7.77E-03	7.96E-03	7.50E-03	2.69E-06	8.12E-06	4.70E-06	4.81E-06	4.36E-06	1.99E-06	1.88E-06	0.00E+00	0.00E+00	8.65E-07	1.63E-07	1.04E-06	1.60E-07	1.45E-07	2.37E-06	2.45E-06	8.99E-07	1.22E-06	4.57E-07	2.45E-06	8.99E-07
2844	490219.7	3859305	7.20E-03	7.37E-03	6.95E-03	2.49E-06	7.52E-06	4.36E-06	4.46E-06	4.04E-06	1.85E-06	1.74E-06	0.00E+00	0.00E+00	8.01E-07	1.51E-07	9.61E-07	1.48E-07	1.35E-07	2.20E-06	2.27E-06	8.33E-07	1.13E-06	4.24E-07	2.27E-06	8.33E-07
2845	490269.7	3859305	6.68E-03	6.84E-03	6.45E-03	2.31E-06	6.98E-06	4.04E-06	4.14E-06	3.75E-06	1.71E-06	1.62E-06	0.00E+00	0.00E+00	7.44E-07	1.41E-07	8.92E-07	1.37E-07	1.25E-07	2.04E-06	2.11E-06	7.73E-07	1.05E-06	3.93E-07	2.11E-06	7.73E-07
2846	490319.7	3859305	6.20E-03	6.35E-03	5.99E-03	2.15E-06	6.48E-06	3.75E-06	3.84E-06	3.48E-06	1.59E-06	1.50E-06	0.00E+00	0.00E+00	6.90E-07	1.30E-07	8.27E-07	1.28E-07	1.16E-07	1.89E-06	1.96E-06	7.17E-07	9.76E-07	3.65E-07	1.96E-06	7.17E-07
2847	490069.7	3859355	1.08E-02	1.11E-02	1.05E-02	3.75E-06	1.13E-05	6.56E-06	6.71E-06	6.09E-06	2.78E-06	2.62E-06	0.00E+00	0.00E+00	1.21E-06	2.28E-07	1.45E-06	2.23E-07	2.03E-07	3.31E-06	3.42E-06	1.25E-06	1.71E-06	6.38E-07	3.42E-06	1.25E-06
2848	490119.7	3859355	9.87E-03	1.01E-02	9.54E-03	3.42E-06	1.03E-05	5.97E-06	6.12E-06	5.55E-06	2.53E-06	2.39E-06	0.00E+00	0.00E+00	1.10E-06	2.08E-07	1.32E-06	2.03E-07	1.85E-07	3.01E-06	3.12E-06	1.14E-06	1.56E-06	5.81E-07	3.12E-06	1.14E-06
2849	490169.7	3859355	9.03E-03	9.25E-03	8.73E-03	3.13E-06	9.44E-06	5.47E-06	5.60E-06	5.08E-06	2.32E-06	2.18E-06	0.00E+00	0.00E+00	1.01E-06	1.90E-07	1.21E-06	1.86E-07	1.69E-07	2.76E-06	2.85E-06	1.05E-06	1.42E-06	5.32E-07	2.85E-06	1.05E-06
2850	490219.7	3859355	8.28E-03	8.48E-03	8.00E-03	2.87E-06	8.65E-06	5.01E-06	5.13E-06	4.65E-06	2.12E-06	2.00E-06	0.00E+00	0.00E+00	9.21E-07	1.74E-07	1.10E-06	1.70E-07	1.55E-07	2.53E-06	2.61E-06	9.58E-07	1.30E-06	4.87E-07	2.61E-06	9.58E-07
2851	490269.7	3859355	7.65E-03	7.83E-03	7.39E-03	2.65E-06	7.99E-06	4.63E-06	4.74E-06	4.29E-06	1.96E-06	1.85E-06	0.00E+00	0.00E+00	8.51E-07	1.61E-07	1.02E-06	1.57E-07	1.43E-07	2.33E-06	2.41E-06	8.85E-07	1.20E-06	4.50E-07	2.41E-06	8.85E-07
2852	490319.7	3859355	7.06E-03	7.23E-03	6.82E-03	2.44E-06	7.38E-06	4.27E-06	4.37E-06	3.96E-06	1.81E-06	1.71E-06	0.00E+00	0.00E+00	7.85E-07	1.48E-07	9.42E-07	1.45E-07	1.32E-07	2.15E-06	2.23E-06	8.17E-07	1.11E-06	4.15E-07	2.23E-06	8.17E-07
2853	490069.7	3859405	1.34E-02	1.38E-02	1.30E-02	4.65E-06	1.40E-05	8.13E-06	8.33E-06	7.55E-06	3.44E-06	3.25E-06	0.00E+00	0.00E+00	1.50E-06	2.83E-07	1.79E-06	2.77E-07	2.52E-07	4.10E-06	4.24E-06	1.56E-06	2.12E-06	7.91E-07	4.24E-06	1.56E-06
2854	490119.7	3859405	1.20E-02	1.23E-02	1.16E-02	4.14E-06	1.25E-05	7.24E-06	7.42E-06	6.73E-06	3.07E-06	2.90E-06	0.00E+00	0.00E+00	1.33E-06	2.52E-07	1.60E-06	2.46E-07	2.24E-07	3.65E-06	3.78E-06	1.39E-06	1.89E-06	7.05E-07	3.78E-06	1.39E-06
2855	490169.7	3859405	1.08E-02	1.10E-02	1.04E-02	3.73E-06	1.13E-05	6.52E-06	6.68E-06	6.05E-06	2.76E-06	2.61E-06	0.00E+00	0.00E+00	1.20E-06	2.27E-07	1.44E-06	2.22E-07	2.02E-07	3.29E-06	3.40E-06	1.25E-06	1.70E-06	6.34E-07	3.40E-06	1.25E-06
2856	490219.7	3859405	9.78E-03	1.00E-02	9.45E-03	3.39E-06	1.02E-05	5.92E-06	6.06E-06	5.50E-06	2.51E-06	2.37E-06	0.00E+00	0.00E+00	1.09E-06	2.06E-07	1.31E-06	2.01E-07	1.83E-07	2.99E-06	3.09E-06	1.13E-06	1.54E-06	5.76E-07	3.09E-06	1.13E-06
2857	490269.7	3859405	8.91E-03	9.13E-03	8.61E-03	3.08E-06	9.31E-06	5.39E-06	5.52E-06	5.01E-06	2.28E-06	2.15E-06	0.00E+00	0.00E+00	9.92E-07	1.87E-07	1.19E-06	1.83E-07	1.67E-07	2.72E-06	2.81E-06	1.03E-06	1.40E-06	5.25E-07	2.81E-06	1.03E-06
2858	490319.7	3859405	8.16E-03	8.36E-03	7.89E-03	2.83E-06	8.53E-06	4.94E-06	5.06E-06	4.59E-06	2.09E-06	1.97E-06	0.00E+00	0.00E+00	9.09E-07	1.72E-07	1.09E-06	1.68E-07	1.53E-07	2.49E-06	2.58E-06	9.45E-07	1.29E-06	4.81E-07	2.58E-06	9.45E-07
2859	490161.9	3859542	2.44E-02	2.50E-02	2.36E-02	8.46E-06	2.55E-05	1.48E-05	1.51E-05	1.37E-05	6.26E-06	5.91E-06	0.00E+00	0.00E+00	2.72E-06	5.14E-07	3.26E-06	5.03E-07	4.58E-07	7.46E-06	7.71E-06	2.83E-06	3.85E-06	1.44E-06	7.71E-06	2.83E-06
2860	490171.9	3859542	2.36E-02	2.41E-02	2.28E-02	8.16E-06	2.46E-05	1.43E-05	1.46E-05	1.32E-05	6.04E-06	5.70E-06	0.00E+00	0.00E+00	2.62E-06	4.96E-07	3.15E-06	4.85E-07	4.41E-07	7.19E-06	7.44E-06	2.73E-06	3.71E-06	1.39E-06	7.44E-06	2.73E-06
2861	490161.9	3859552	2.70E-02	2.76E-02	2.61E-02	9.34E-06	2.82E-05	1.63E-05	1.67E-05	1.52E-05	6.92E-06	6.53E-06	0.00E+00	0.00E+00	3.00E-06	5.68E-07	3.60E-06	5.56E-07	5.05E-07	8.24E-06	8.52E-06	3.12E-06	4.25E-06	1.59E-06	8.52E-06	3.12E-06
2862	490171.9	3859552	2.60E-02	2.66E-02	2.51E-02	8.99E-06	2.71E-05	1.57E-05	1.61E-05	1.46E-05	6.66E-06	6.28E-06	0.00E+00	0.00E+00	2.89E-06	5.46E-07	3.47E-06	5.34E-07	4.86E-07	7.92E-06	8.19E-06	3.01E-06	4.09E-06	1.53E-06	8.19E-06	3.01E-06
2863	489799.7	3859348	2.29E-02	2.35E-02	2.22E-02	7.94E-06	2.40E-05	1.39E-05	1.42E-05	1.29E-05	5.88E-06	5.54E-06	0.00E+00	0.00E+00	2.55E-06	4.82E-07	3.06E-06	4.72E-07	4.29E-07	7.00E-06	7.24E-06	2.65E-06	3.61E-06	1.35E-06	7.24E-06	2.65E-06
2864	489819.7	3859348	2.11E-02	2.16E-02	2.04E-02	7.30E-06	2.20E-05	1.28E-05	1.31E-05	1.18E-05	5.41E-06	5.10E-06	0.00E+00	0.00E+00	2.35E-06	4.44E-07	2.82E-06	4.34E-07	3.95E-07	6.44E-06	6.66E-06	2.44E-06	3.32E-06	1.24E-06	6.66E-06	2.44E-06
2865	489799.7	3859368	2.73E-02	2.79E-02	2.63E-02	9.44E-06	2.85E-05	1.65E-05	1.69E-05	1.53E-05	6.99E-06	6.59E-06	0.00E+00	0.00E+00	3.03E-06	5.73E-07	3.64E-06	5.61E-07	5.10E-07	8.32E-06	8.60E-06	3.16E-06	4.29E-06	1.60E-06	8.60E-06	3.16E-06
2866	489819.7	3859368	2.47E-02	2.53E-02	2.39E-02	8.55E-06	2.58E-05	1.50E-05	1.53E-05	1.39E-05	6.33E-06	5.97E-06	0.00E+00	0.00E+00	2.75E-06	5.20E-07	3.30E-06	5.09E-07	4.63E-07	7.54E-06	7.80E-06	2.86E-06	3.89E-06	1.45E-06	7.80E-06	2.86E-06
2867	489775.4	3859330	2.20E-02	2.26E-02	2.13E-02	7.63E-06	2.30E-05	1.33E-05	1.37E-05	1.24E-05	5.65E-06	5.33E-06	0.00E+00	0.00E+00	2.45E-06	4.64E-07	2.94E-06	4.54E-07	4.13E-07	6.73E-06	6.96E-06	2.55E-06	3.47E-06	1.30E-06	6.96E-06	2.55E-06
2868	489795.4	3859330	2.03E-02	2.08E-02	1.96E-02	7.04E-06	2.13E-05	1.23E-05	1.26E-05	1.14E-05	5.21E-06	4.92E-06	0.00E+00	0.00E+00	2.26E-06	4.28E-07	2.71E-06	4.19E-07	3.81E-07	6.20E-06	6.42E-06	2.35E-06	3.20E-06	1.20E-06	6.42E-06	2.35E-06
2869	489775.4	3859350	2.60E-02	2.66E-02	2.51E-02	9.00E-06	2.72E-05	1.57E-05	1.61E-05	1.46E-05	6.67E-06	6.29E-06	0.00E+00	0.00E+00	2.89E-06	5.47E-07	3.47E-06	5.35E-07	4.87E-07	7.94E-06	8.21E-06	3.01E-06	4.10E-06	1.53E-06	8.21E-06	3.01E-06
2870	489795.4	3859350	2.37E-02	2.42E-02	2.29E-02	8.19E-06	2.47E-05	1.43E-05	1.47E-05	1.33E-05	6.06E-06	5.72E-06	0.00E+00	0.00E+00	2.63E-06	4.98E-07	3.16E-06	4.87E-07	4.43E-07	7.22E-06	7.47E-06	2.74E-06	3.73E-06	1.39E-06	7.47E-06	2.74E-06
2871	489595.1	3859219	2.03E-02	2.08E-02	1.96E-02	7.02E-06	2.12E-05	1.23E-05	1.26E-05	1.14E-05	5.20E-06	4.91E-06	0.00E+00	0.00E+00	2.26E-06	4.27E-07	2.71E-06	4.18E-07	3.80E-07	6.19E-06	6.40E-06	2.35E-06	3.20E-06	1.19E-06	6.40E-06	2.35E-06
2872	489615.1	3859219	1.88E-02	1.92E-02	1.81E-02	6.50E-06	1.96E-05	1.14E-05	1.16E-05	1.06E-05	4.82E-06	4.54E-06	0.00E+00	0.00E+00	2.09E-06	3.95E-07	2.51E-06	3.87E-07	3.52E-07	5.73E-06	5.93E-06	2.17E-06	2.96E-06	1.11E-06	5.93E-06	2.17E-06
2873	489595.1	3859239	2.36E-02	2.42E-02	2.28E-02	8.18E-06	2.47E-05	1.43E-05	1.47E-05	1.33E-05	6.06E-06	5.72E-06	0.00E+00	0.00E+00	2.63E-06	4.97E-07	3.16E-06	4.87E-07	4.43E-07	7.21E-06	7.46E-06	2.74E-06	3.72E-06	1.39E-06	7.46E-06	2.74E-06
2874	489615.1	3859239	2.17E-02	2.22E-02	2.09E-02	7.50E-06	2.26E-05	1.31E-05	1.34E-05	1.22E-05	5.55E-06	5.24E-06	0.00E+00	0.00E+00	2.41E-06	4.55E-07	2.89E-06	4.46E-07	4.05E-07	6.61E-06	6.83E-06	2.51E-06	3.41E-06	1.27E-06	6.83E-06	2.51E-06
2875	489372.4	3859093	1.97E-02	2.02E-02	1.90E-02	6.82E-06	2.06E-05	1.19E-05	1.22E-05	1.11E-05	5.05E-06	4.76E-06	0.00E+00	0.00E+00	2.19E-06	4.14E-07	2.63E-06	4.05E-07	3.69E-07	6.01E-06	6.22E-06	2.28E-06	3.10E-06	1.16E-06	6.22E-06	2.28E-06
2876	489422.4	3859093	1.65E-02	1.69E-02	1.60E-02	5.72E-06	1.73E-05	1.00E-05	1.02E-05	9.29E-06	4.24E-06	4.00E-06	0.00E+00	0.00E+00	1.84E-06	3.48E-07	2.21E-06	3.40E-07	3.10E-07	5.05E-06	5.22E-06	1.91E-06	2.61E-06	9.74E-07	5.22E-06	1.91E-06
2877	489372.4	3859143	2.98E-02	3.05E-02	2.88E-02	1.03E-05	3.11E-05	1.80E-05	1.85E-05	1.67E-05	7.64E-06	7.20E-06	0.00E+00	0.00E+00	3.32E-06	6.27E-07	3.98E-06	6.13E-07	5.58E-07	9.09E-06	9.40E-06	3.45E-06	4.69E-06	1.75E-06	9.40E-06	3.45E-06
2878	489422.4	3859143	2.33E-02	2.39E-02	2.25E-02	8.06E-06	2.43E-05	1.41E-05	1.44E-05	1.31E-05	5.97E-06	5.63E-06	0.00E+00	0.00E+00	2.59E-06	4.90E-07	3.11E-06	4.80E-07	4.36E-07	7.11E-06	7.35E-06	2.70E-06	3.67E-06	1.37E-06	7.35E-06	2.70E-06
2879	488870.8	3858667	9.65E-03	9.89E-03	9.33E-03	3.34E-06	1.01E-05	5.84E-06	5.98E-06	5.42E-06	2.47E-06	2.33E-06	0.00E+00	0.00E+00	1.07E-06	2.03E-07	1.29E-06	1.99E-07	1.81E-07	2.95E-06	3.05E-06	1.12E-06	1.52E-06	5.68E-07	3.05E-06	1.12E-06

2880	488900.8	3858667	9.15E-03	9.37E-03	8.84E-03	3.17E-06	9.56E-06	5.53E-06	5.67E-06	5.14E-06	2.34E-06	2.21E-06	0.00E+00	0.00E+00	1.02E-06	1.92E-07	1.22E-06	1.88E-07	1.71E-07	2.79E-06	2.89E-06	1.06E-06	1.44E-06	5.38E-07	2.89E-06	1.06E-06
2881	488870.8	3858697	1.07E-02	1.10E-02	1.04E-02	3.72E-06	1.12E-05	6.50E-06	6.66E-06	6.04E-06	2.75E-06	2.60E-06	0.00E+00	0.00E+00	1.20E-06	2.26E-07	1.43E-06	2.21E-07	2.01E-07	3.28E-06	3.39E-06	1.24E-06	1.69E-06	6.33E-07	3.39E-06	1.24E-06
2882	488900.8	3858697	1.01E-02	1.04E-02	9.77E-03	3.50E-06	1.06E-05	6.12E-06	6.27E-06	5.68E-06	2.59E-06	2.45E-06	0.00E+00	0.00E+00	1.13E-06	2.13E-07	1.35E-06	2.08E-07	1.89E-07	3.09E-06	3.19E-06	1.17E-06	1.59E-06	5.96E-07	3.19E-06	1.17E-06
2883	488889.7	3858684	9.88E-03	1.01E-02	9.55E-03	3.42E-06	1.03E-05	5.98E-06	6.13E-06	5.55E-06	2.53E-06	2.39E-06	0.00E+00	0.00E+00	1.10E-06	2.08E-07	1.32E-06	2.03E-07	1.85E-07	3.02E-06	3.12E-06	1.14E-06	1.56E-06	5.82E-07	3.12E-06	1.14E-06
2884	488919.7	3858684	9.36E-03	9.58E-03	9.04E-03	3.24E-06	9.78E-06	5.66E-06	5.80E-06	5.26E-06	2.40E-06	2.26E-06	0.00E+00	0.00E+00	1.04E-06	1.97E-07	1.25E-06	1.93E-07	1.75E-07	2.86E-06	2.95E-06	1.08E-06	1.47E-06	5.51E-07	2.95E-06	1.08E-06
2885	488889.7	3858714	1.10E-02	1.13E-02	1.07E-02	3.82E-06	1.15E-05	6.68E-06	6.84E-06	6.20E-06	2.83E-06	2.67E-06	0.00E+00	0.00E+00	1.23E-06	2.32E-07	1.47E-06	2.27E-07	2.07E-07	3.37E-06	3.48E-06	1.28E-06	1.74E-06	6.50E-07	3.48E-06	1.28E-06
2886	488919.7	3858714	1.04E-02	1.06E-02	1.00E-02	3.59E-06	1.08E-05	6.28E-06	6.43E-06	5.83E-06	2.66E-06	2.51E-06	0.00E+00	0.00E+00	1.15E-06	2.18E-07	1.38E-06	2.14E-07	1.94E-07	3.17E-06	3.27E-06	1.20E-06	1.63E-06	6.11E-07	3.27E-06	1.20E-06
2887	488906.6	3858703	1.02E-02	1.05E-02	9.90E-03	3.55E-06	1.07E-05	6.20E-06	6.35E-06	5.76E-06	2.63E-06	2.48E-06	0.00E+00	0.00E+00	1.14E-06	2.16E-07	1.37E-06	2.11E-07	1.92E-07	3.13E-06	3.23E-06	1.19E-06	1.61E-06	6.03E-07	3.23E-06	1.19E-06
2888	488936.6	3858703	9.67E-03	9.90E-03	9.34E-03	3.35E-06	1.01E-05	5.85E-06	5.99E-06	5.43E-06	2.48E-06	2.34E-06	0.00E+00	0.00E+00	1.08E-06	2.03E-07	1.29E-06	1.99E-07	1.81E-07	2.95E-06	3.05E-06	1.12E-06	1.52E-06	5.69E-07	3.05E-06	1.12E-06
2889	488906.6	3858733	1.15E-02	1.17E-02	1.11E-02	3.97E-06	1.20E-05	6.94E-06	7.11E-06	6.44E-06	2.94E-06	2.77E-06	0.00E+00	0.00E+00	1.28E-06	2.41E-07	1.53E-06	2.36E-07	2.15E-07	3.50E-06	3.62E-06	1.33E-06	1.81E-06	6.75E-07	3.62E-06	1.33E-06
2890	488936.6	3858733	1.08E-02	1.10E-02	1.04E-02	3.72E-06	1.12E-05	6.51E-06	6.67E-06	6.04E-06	2.76E-06	2.60E-06	0.00E+00	0.00E+00	1.20E-06	2.26E-07	1.44E-06	2.21E-07	2.01E-07	3.28E-06	3.40E-06	1.25E-06	1.69E-06	6.33E-07	3.40E-06	1.25E-06
2891	488637.6	3858468	7.81E-03	7.99E-03	7.54E-03	2.70E-06	8.16E-06	4.72E-06	4.84E-06	4.39E-06	2.00E-06	1.89E-06	0.00E+00	0.00E+00	8.69E-07	1.64E-07	1.04E-06	1.61E-07	1.46E-07	2.38E-06	2.46E-06	9.04E-07	1.23E-06	4.60E-07	2.46E-06	9.04E-07
2892	488662.6	3858468	7.54E-03	7.72E-03	7.28E-03	2.61E-06	7.88E-06	4.56E-06	4.67E-06	4.23E-06	1.93E-06	1.82E-06	0.00E+00	0.00E+00	8.39E-07	1.59E-07	1.01E-06	1.55E-07	1.41E-07	2.30E-06	2.38E-06	8.72E-07	1.19E-06	4.44E-07	2.38E-06	8.72E-07
2893	488637.6	3858493	8.38E-03	8.58E-03	8.09E-03	2.90E-06	8.75E-06	5.07E-06	5.19E-06	4.71E-06	2.15E-06	2.03E-06	0.00E+00	0.00E+00	9.32E-07	1.76E-07	1.12E-06	1.72E-07	1.57E-07	2.56E-06	2.64E-06	9.70E-07	1.32E-06	4.93E-07	2.64E-06	9.70E-07
2894	488662.6	3858493	8.06E-03	8.25E-03	7.79E-03	2.79E-06	8.42E-06	4.88E-06	4.99E-06	4.53E-06	2.07E-06	1.95E-06	0.00E+00	0.00E+00	8.97E-07	1.70E-07	1.08E-06	1.66E-07	1.51E-07	2.46E-06	2.54E-06	9.33E-07	1.27E-06	4.74E-07	2.54E-06	9.33E-07
2895	488687.6	3858493	7.76E-03	7.95E-03	7.50E-03	2.69E-06	8.11E-06	4.70E-06	4.81E-06	4.36E-06	1.99E-06	1.88E-06	0.00E+00	0.00E+00	8.64E-07	1.63E-07	1.04E-06	1.60E-07	1.45E-07	2.37E-06	2.45E-06	8.98E-07	1.22E-06	4.57E-07	2.45E-06	8.98E-07
2896	488637.6	3858518	9.04E-03	9.26E-03	8.74E-03	3.13E-06	9.45E-06	5.47E-06	5.60E-06	5.08E-06	2.32E-06	2.19E-06	0.00E+00	0.00E+00	1.01E-06	1.90E-07	1.21E-06	1.86E-07	1.69E-07	2.76E-06	2.85E-06	1.05E-06	1.42E-06	5.32E-07	2.85E-06	1.05E-06
2897	488662.6	3858518	8.67E-03	8.88E-03	8.38E-03	3.00E-06	9.06E-06	5.25E-06	5.37E-06	4.87E-06	2.22E-06	2.10E-06	0.00E+00	0.00E+00	9.65E-07	1.82E-07	1.16E-06	1.78E-07	1.62E-07	2.65E-06	2.74E-06	1.00E-06	1.37E-06	5.10E-07	2.74E-06	1.00E-06
2898	488687.6	3858518	8.33E-03	8.53E-03	8.05E-03	2.88E-06	8.70E-06	5.04E-06	5.16E-06	4.68E-06	2.13E-06	2.01E-06	0.00E+00	0.00E+00	9.27E-07	1.75E-07	1.11E-06	1.71E-07	1.56E-07	2.54E-06	2.63E-06	9.64E-07	1.31E-06	4.90E-07	2.63E-06	9.64E-07
2899	488194.4	3857169	2.05E-03	2.10E-03	1.98E-03	7.08E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.24E-07	4.95E-07	0.00E+00	0.00E+00	2.28E-07	4.30E-08	2.73E-07	4.21E-08	3.83E-08	6.24E-07	6.46E-07	2.37E-07	3.22E-07	1.20E-07	6.46E-07	2.37E-07
2900	488244.4	3857169	2.03E-03	2.08E-03	1.96E-03	7.04E-07	2.12E-06	1.23E-06	1.26E-06	1.14E-06	5.21E-07	4.91E-07	0.00E+00	0.00E+00	2.26E-07	4.27E-08	2.71E-07	4.18E-08	3.80E-08	6.20E-07	6.41E-07	2.35E-07	3.20E-07	1.20E-07	6.41E-07	2.35E-07
2901	488294.4	3857169	2.01E-03	2.06E-03	1.94E-03	6.96E-07	2.10E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	4.86E-07	0.00E+00	0.00E+00	2.24E-07	4.23E-08	2.69E-07	4.14E-08	3.77E-08	6.14E-07	6.35E-07	2.33E-07	3.17E-07	1.18E-07	6.35E-07	2.33E-07
2902	488244.4	3857219	2.09E-03	2.14E-03	2.01E-03	7.22E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.35E-07	5.04E-07	0.00E+00	0.00E+00	2.32E-07	4.39E-08	2.78E-07	4.29E-08	3.90E-08	6.36E-07	6.58E-07	2.41E-07	3.29E-07	1.23E-07	6.58E-07	2.41E-07
2903	488294.4	3857219	2.07E-03	2.12E-03	2.00E-03	7.15E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.30E-07	5.00E-07	0.00E+00	0.00E+00	2.30E-07	4.35E-08	2.76E-07	4.25E-08	3.87E-08	6.30E-07	6.52E-07	2.39E-07	3.26E-07	1.22E-07	6.52E-07	2.39E-07
2904	488294.4	3857269	2.13E-03	2.18E-03	2.06E-03	7.37E-07	2.23E-06	1.29E-06	1.32E-06	1.20E-06	5.46E-07	5.15E-07	0.00E+00	0.00E+00	2.37E-07	4.48E-08	2.84E-07	4.38E-08	3.99E-08	6.50E-07	6.72E-07	2.47E-07	3.35E-07	1.25E-07	6.72E-07	2.47E-07
2905	488139.1	3857112	2.01E-03	2.06E-03	1.94E-03	6.95E-07	2.10E-06	1.21E-06	1.24E-06	1.13E-06	5.15E-07	4.85E-07	0.00E+00	0.00E+00	2.23E-07	4.22E-08	2.68E-07	4.13E-08	3.76E-08	6.12E-07	6.34E-07	2.32E-07	3.16E-07	1.18E-07	6.34E-07	2.32E-07
2906	488189.1	3857112	2.00E-03	2.05E-03	1.93E-03	6.91E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.12E-07	4.83E-07	0.00E+00	0.00E+00	2.22E-07	4.20E-08	2.67E-07	4.11E-08	3.74E-08	6.09E-07	6.30E-07	2.31E-07	3.15E-07	1.18E-07	6.30E-07	2.31E-07
2907	488189.1	3857162	2.04E-03	2.09E-03	1.97E-03	7.07E-07	2.13E-06	1.24E-06	1.26E-06	1.15E-06	5.23E-07	4.94E-07	0.00E+00	0.00E+00	2.27E-07	4.29E-08	2.72E-07	4.20E-08	3.82E-08	6.23E-07	6.44E-07	2.36E-07	3.22E-07	1.20E-07	6.44E-07	2.36E-07
2908	487951	3856961	1.94E-03	1.99E-03	1.87E-03	6.72E-07	2.03E-06	1.17E-06	1.20E-06	1.09E-06	4.97E-07	4.69E-07	0.00E+00	0.00E+00	2.16E-07	4.08E-08	2.59E-07	3.99E-08	3.63E-08	5.92E-07	6.13E-07	2.25E-07	3.06E-07	1.14E-07	6.13E-07	2.25E-07
2909	488001	3856961	1.92E-03	1.97E-03	1.86E-03	6.65E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.93E-07	4.65E-07	0.00E+00	0.00E+00	2.14E-07	4.04E-08	2.56E-07	3.96E-08	3.60E-08	5.86E-07	6.06E-07	2.22E-07	3.03E-07	1.13E-07	6.06E-07	2.22E-07
2910	488051	3856961	1.90E-03	1.94E-03	1.83E-03	6.56E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.86E-07	4.58E-07	0.00E+00	0.00E+00	2.11E-07	3.99E-08	2.53E-07	3.90E-08	3.55E-08	5.78E-07	5.98E-07	2.19E-07	2.99E-07	1.12E-07	5.98E-07	2.19E-07
2911	488101	3856961	1.89E-03	1.93E-03	1.82E-03	6.53E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.84E-07	4.56E-07	0.00E+00	0.00E+00	2.10E-07	3.97E-08	2.52E-07	3.89E-08	3.53E-08	5.76E-07	5.96E-07	2.19E-07	2.97E-07	1.11E-07	5.96E-07	2.19E-07
2912	487951	3857011	2.00E-03	2.05E-03	1.93E-03	6.91E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.12E-07	4.83E-07	0.00E+00	0.00E+00	2.22E-07	4.20E-08	2.67E-07	4.11E-08	3.74E-08	6.09E-07	6.30E-07	2.31E-07	3.15E-07	1.18E-07	6.30E-07	2.31E-07
2913	488001	3857011	1.97E-03	2.01E-03	1.90E-03	6.81E-07	2.05E-06	1.19E-06	1.22E-06	1.10E-06	5.04E-07	4.75E-07	0.00E+00	0.00E+00	2.19E-07	4.14E-08	2.62E-07	4.05E-08	3.68E-08	6.00E-07	6.20E-07	2.28E-07	3.10E-07	1.16E-07	6.20E-07	2.28E-07
2914	488051	3857011	1.94E-03	1.99E-03	1.87E-03	6.71E-07	2.03E-06	1.17E-06	1.20E-06	1.09E-06	4.97E-07	4.69E-07	0.00E+00	0.00E+00	2.16E-07	4.08E-08	2.59E-07	3.99E-08	3.63E-08	5.92E-07	6.12E-07	2.24E-07	3.06E-07	1.14E-07	6.12E-07	2.24E-07
2915	488101	3857011	1.93E-03	1.98E-03	1.87E-03	6.68E-07	2.02E-06	1.17E-06	1.20E-06	1.08E-06	4.95E-07	4.67E-07	0.00E+00	0.00E+00	2.15E-07	4.06E-08	2.58E-07	3.97E-08	3.61E-08	5.89E-07	6.09E-07	2.23E-07	3.04E-07	1.14E-07	6.09E-07	2.23E-07
2916	488001	3857061	2.02E-03	2.07E-03	1.95E-03	6.99E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.18E-07	4.88E-07	0.00E+00	0.00E+00	2.25E-07	4.25E-08	2.69E-07	4.16E-08	3.78E-08	6.16E-07	6.37E-07	2.34E-07	3.18E-07	1.19E-07	6.37E-07	2.34E-07
2917	488051	3857061	2.00E-03	2.05E-03	1.93E-03	6.91E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.12E-07	4.83E-07	0.00E+00	0.00E+00	2.22E-07	4.20E-08	2.67E-07	4.11E-08	3.74E-08	6.09E-07	6.30E-07	2.31E-07	3.15E-07	1.18E-07	6.30E-07	2.31E-07
2918	488101	3857061	1.98E-03	2.03E-03	1.91E-03	6.85E-07	2.07E-06	1.20E-06	1.23E-06	1.11E-06	5.07E-07	4.79E-07	0.00E+00	0.00E+00	2.20E-07	4.16E-08	2.64E-07	4.07E-08	3.71E-08	6.04E-07	6.25E-07	2.29E-07	3.12E-07	1.17E-07	6.25E-07	2.29E-07
2919	487639	3856674	1.80E-03	1.84E-03	1.74E-03	6.22E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.60E-07	4.34E-07	0.00E+00	0.00E+00	2.00E-07	3.78E-08	2.40E-07	3.70E-08	3.36E-08	5.48E-07	5.67E-07	2.08E-07	2.83E-07	1.06E-07	5.67E-07	2.08E-07
2920	487689	3856674	1.78E-03	1.82E-03	1.72E-03	6.15E-07	1.86E-06	1.08E-06	1.10E-06	9.98E-07	4.55E-07	4.30E-07	0.00E+00	0.00E+00	1.98E-07	3.74E-08	2.37E-07	3.66E-08	3.33E-08	5.42E-07	5.61E-07	2.06E-07	2.80E-07	1.05E-07	5.61E-07	2.06E-07
2921	487639	3856724	1.84E-03	1.89E-03	1.78E-03	6.38E-07	1.93E-06	1.12E-06	1.14E-06	1.04E-06	4.73E-07	4.46E-07	0.00E+00	0.00E+00	2.05E-07	3.88E-08	2.46E-07	3.79E-08	3.45E-08	5.62E-07	5.82E-07	2.13E-07	2.90E-07	1.09E-07	5.82E-07	2.13E-07
2922	487689	3856724	1.82E-03	1.87E-03	1.76E-03	6.31E-07	1.91E-06	1.10E-06	1.13E-06	1.02E-06	4.67E-07	4.41E-07	0.00E+00	0.00E+00	2.03E-07	3.83E-08	2.43E-07	3.75E-08	3.41E-08	5.56E-07	5.75E-07	2.11E-07	2.87E-07	1.07E-07	5.75E-07	2.11E-07
2923	486324.6	3855741	1.60E-03	1.63E-03	1.54E-03	5.52E-07	1.67E-06	9.65E-07	9.89E-07	8.96E-07	4.09E-07	3.86E-07	0.00E+00	0.00E+00	1.78E-07	3.36E-08	2.13E-07	3.28E-08	2.99E-08	4.87E-07	5.04E-07	1.85E-07	2.51E-07	9.39E-08	5.04E-07	1.85E-07
2924	486374.6	3855741	1.55E-03	1.58E-03	1.49E-03	5.35E-07	1.62E-06	9.35E-07	9.58E-07	8.68E-07	3.96E-07	3.74E-07	0.00E+00	0.00E+00	1.72E-07	3.25E-08	2.06E-07	3.18E-08	2.89E-08	4.72E-07	4.88E-07	1.79E-07	2.43E-07	9.10E-08	4.88E-07	1.79E-07
2925	486424.6	3855741	1.52E-03	1.55E-03	1.46E-03	5.25E-07	1.58E-06	9.17E-07	9.39E-07	8.52E-07	3.89E-07	3.66E-07	0.00E+00	0.00E+00	1.69E-07	3.19E-08	2.02E-07	3.12E-08	2.84E-08	4.62E-07	4.78E-07	1.75E-07	2.39E-07	8.92E-08	4.78E-07	1.75E-07
2926	486324.6	3855791	1.63E-03	1.67E-03	1.58E-03	5.65E-07	1.71E-06	9.88E-07	1.01E-06	9.17E-07	4.18E-07	3.95E-07	0.00E+00	0.00E+00	1.82E-07	3.43E-08	2.18E-07	3.36E-08	3.06E-08	4.98E-07	5.15E-07	1.89E-07	2.57E-07	9.61E-08	5.15E-07	1.89E-07
2927	486374.6	3855791	1.58E-03	1.62E-03	1.53E-03	5.48E-07	1.66E-06	9.58E-07	9.81E-07	8.90E-07	4.06E-07	3.83E-07	0.00E+00	0.00E+00	1.76E-07	3.33E-08	2.11E-07	3.26E-08	2.96E-08	4.83E-07	5.00E-07	1.83E-07	2.49E-07	9.32E-08	5.00E-07	1.83E-07
2928	486424.6	3855791	1.56E-03	1.60E-03	1.51E-03	5.40E-07	1.63E-06	9.44E-07	9.67E-07	8.76E-07	4.00E-07	3.77E-07	0.00E+00	0.00E+00	1.74E-07	3.28E-08	2.08E-07	3.21E-08	2.92E-08	4.76E-07	4.92E-07	1.81E-07	2.46E-07	9.18E-08	4.92E-07	1.81E-07
2929	486324.6	3855841	1.67E-03	1.71E-03	1.61E-03	5.78E-07	1.75E-06	1.01E-06	1.04E-06	9.39E-07	4.28E-07	4.04E-07	0.00E+00	0.00E+00	1.86E-07	3.51E-08	2.23E-07	3.44E-08	3.13E-08	5.10E-07	5.27E-07	1.93E-07	2.63E-07	9.84E-08	5.27E-07	1.93E-07
2930	486374.6	3855841	1.64E-03	1.68E-03	1.58E-03	5.68E-07	1.71E-06	9.92E-07	1.02E-06	9.21E-07	4.20E-07	3.96E-07	0.00E+00	0.00E+00	1.83E-07	3.45E-08	2.19E-07	3.38E-08	3.07E-08	5.00E-07	5.18E-07	1.90E-07	2.58E-07	9.65E-08	5.18E-07	1.90E-07
2931	486424.6	3855841	1.61E-03	1.64E-03	1.55E-03	5.56E-07	1.68E-06	9.72E-07	9.95E-07	9.02E-07	4.12E-07	3.88E-07	0.00E+00	0.00E+00	1.79E-07	3.38E-08	2.14E-07	3.31E-08	3.01E-08	4.90E-07	5.07E-07	1.86E-07	2.53E-07	9.45E-08	5.07E-07	1.86E-07
2932	486324.6	3855891	1.73E-03	1.77E-03	1.67E-03	5.99E-07	1.81E-06	1.05E-06	1.07E-06	9.73E-07	4.44E-07	4.19E-07	0.00E+00	0.00E+00	1.93E-07	3.64E-08	2.31E-07	3.56E-08	3.24E-08	5.28E-07	5.46E-07	2.00E-07	2.73E-07	1.02E-07	5.46E-07	2.00E-07
2933	486374.6	3855891	1.70E-03	1.74E-03	1.64E-03	5.87E-07	1.77E-06	1.03E-06	1.05E-06	9.53E-07	4.35E-07	4.10E-07	0.00E+00	0.00E+00	1.89E-07	3.57E-08	2.26E-07	3.49E-08	3.17E-08	5.17E-07	5.35E-07	1.96E-07	2.67E-07	9.98E-08	5.35E-07	1.96E-07
2934	486424.6	3855891	1.66E-03	1.70E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	1.03E-06	9.30E-07	4.24E-07	4.00E-07	0.00E+00	0.00E+00	1.84E-07	3.48E-08	2.21E-07	3.41E-08	3.10E-08	5.05E-07	5.23E-07	1.92E-07	2.61E-07	9.75E-08	5.23E-07	1.92E-07
2935	488735.7	3858286	4.83E-03	4.94E-03	4.66E-03	1.67E-06	5.04E-06	2.92E-06	2.99E-06	2.71E-06	1.24E-06	1.17E-06	0.00E+00	0.00E+00	5.37E-07	1.02E-07	6.44E-07	9.93E-08	9.04E-08	1.47E-06	1.52E-06	5.59E-07	7.60E-07	2.84E-07	1.52E-06	5.59E-07
2936	488765.7	3858286	4.71E-03	4.82E-03	4.55E-03	1.63E-06	4.92E-06	2.85E-06	2.92E-06	2.64E-06	1.21E-06	1.14E-06	0.00E+00	0.00E+00	5.24E-07	9.90E-08	6.28E-07	9.69E-08	8.81E-08	1.44E-06	1.49E-06	5.45E-07	7.42E-07	2.77E-07	1.49E-06	5.45E-07
2937	488735.7	3858316	5.07E-03	5.19E-03	4.89E-03	1.75E-06	5.29E-06	3.06E-06	3.14E-06	2.85E-06	1.30E-06	1.22E-06	0.00E+00	0.00E+00	5.64E-07	1.07E-07	6.76E-07	1.04E-07	9.48E-08	1.55E-06	1.60E-06	5.86E-07	7.98E-07	2.98E-07	1.60E-06	5.86E-07
2938	488765.7	3858316	4.93E-03	5.05E-03	4.77E-03	1.71E-06	5.16E-06	2.98E-06	3.06E-06	2.77E-06	1.26E-06	1.19E-06	0.00E+00	0.00E+00	5.49E-07	1.04E-07	6.58E-07	1.02E-07	9.23E-08	1.51E-06	1.56E-06	5.71E-07	7.77E-07	2.90E-07	1.56E-06	5.71E-07
2939	478676.6	3849872	5.76E-03	5.90E-03	5.56E-03	1.99E-06	6.02E-06	3.48E-06	3.57E-06	3.23E-06	1.48E-06	1.39E-06	0.00E+00	0.00E+00	6.41E-07	1.21E-07	7.68E-07	1.19E-07	1.08E-07	1.76E-06	1.82E-06	6.66E-07	9.07E-07	3.39E-07	1.82E-06	6.66E-07
2940	479326.6	3849872	3.45E-03	3.53E-03	3.33E-03	1.19E-06	3.60E-06	2.09E-06	2.14E-06	1.94E-06	8.84E-07	8.34E-07	0.00E+00	0.00E+00	3.84E-07	7.25E-08	4.60E-07	7.10E-08	6.45E-08	1.05E-06	1.09E-06	3.99E-07	5.43E-07	2.03E-07	1.09E-06	3.99E-07
2941	479376.6	3849872	3.34E-03	3.42E-03	3.23E-03	1.16E-06	3.49E-06	2.02E-06	2.07E-06	1.88E-06	8.57E-07	8.08E-07	0.00E+00	0.00E+00	3.72E-07	7.03E-08	4.46E-07	6.88E-08	6.26E-08	1.02E-06	1.06E-06	3.87E-07	5.27E-07	1.97E-07	1.06E-06	3.87E-07
2942	479426.6	3849872	3.26E-03	3.34E-03	3.15E-03	1.13E-06	3.41E-06	1.97E-06	2.02E-06	1.83E-06	8.36E-07	7.89E-07	0.00E+00	0.00E+00	3.63E-07	6.86E-08	4.35E-07	6.71E-08	6.11E-08	9.95E-07	1.03E-06	3.78E-07	5.14E-07	1.92E-07	1.03E-06	3.78E-07
2943	478726.6	3849922	6.06E-03	6.21E-03	5.86E-03	2.10E-06	6.34E-06	3.67E-06	3.76E-06	3.41E-06	1.55E-06	1.47E-06	0.00E+00	0.00E+00	6.75E-07	1.28E-07	8.09E-07	1.25E-07	1.14E-07	1.85E-06	1.91E-06	7.02E-07	9.55E-07	3.57E-07	1.91E-06	7.02E-07
2944	478776.6	3849922	5.77E-03	5.91E-03	5.58E-03	2.00E-06	6.03E-06	3.49E-06	3.58E-06	3.24E-06	1.48E-06	1.40E-06	0.00E+00	0.00E+00	6.43E-07	1.21E-07	7.70E-07	1.19E-07	1.08E-07	1.76E-06	1.82E-06	6.68E-07	9.09E-07	3.40E-07	1.82E-06	6.68E-07
2945	478826.6	3849922	5.50E-03	5.63E-03	5.31E-03	1.90E-06	5.75E-06	3.33E-06	3.41E-06	3.09E-06	1.41E-06	1.33E-06	0.00E+00	0.00E+00	6.12E-07	1.16E-07	7.34E-07	1.13E-07	1.03E-07	1.68E-06	1.74E-06	6.37E-07	8.67E-07	3.24E-07	1.74E-06	6.37E-07
2946	478976.6	3849922	4.82E-03	4.94E-03	4.66E-03	1.67E-06	5.04E-06	2.92E-06	2.99E-06	2.71E-06	1.24E-06	1.17E-06	0.00E+00	0.00E+00	5.37E-07	1.01E-07	6.44E-07	9.92E-08	9.03E-08	1.47E-06	1.52E-06	5.58E-07	7.60E-07	2.84E-07	1.52E-06	5.58E-07
2947	479026.6	3849922	4.65E-03	4.76E-03	4.49E-03	1.61E-06	4.86E-06	2.81E-06	2.88E-06	2.61E-06	1.19E-06	1.12E-06	0.00E+00	0.00E+00	5.18E-07	9.79E-08	6.21E-07	9.58E-08	8.71E-08	1.42E-06	1.47E-06	5.39E-07	7.33E-07	2.74E-07	1.47E-06	5.39E-07
2948	479076.6	3849922	4.48E-03	4.59E-03	4.33E-03	1.55E-06	4.68E-06	2.71E-06	2.78E-06	2.52E-06	1.15E-06	1.08E-06	0.00E+00	0.00E+00	4.99E-07	9.42E-08	5.98E-07	9.22E-08	8.39E-08	1.37E-06	1.41E-06	5.19E-07	7.06E-07	2.64E-07	1.41E-06	5.19E-07
2949	479126.6	3849922	4.31E-03	4.42E-03	4.16E-03	1.49E-06	4.51E-06	2.61E-06	2.67E-06	2.42E-06	1.11E-06	1.04E-06	0.00E+00	0.00E+00	4.80E-07	9.07E-08	5.75E-07	8.87E-08	8.07E-08	1.32E-06	1.36E-06	4.99E-07	6.79E-07	2.54E-07	1.36E-06	4.99E-07
2950	479176.6	3849922	4.16E-03	4.27E-03	4.02E-03	1.44E-06	4.35E-06	2.52E-06	2.58E-06	2.34E-06	1.07E-06	1.01E-06	0.00E+00	0.00E+00	4.64E-07	8.76E-08	5.56E-07	8.57E-08	7.80E-08	1.27E-06	1.31E-06	4.82E-07	6.56E-07	2.45E-07	1.31E-06	4.82E-07
2951	479226.6	3849922	3.99E-03	4.09E-03	3.86E-03	1.38E-06	4.17E-06	2.42E-06	2.48E-06	2.24E-06	1.02E-06	9.66E-07	0.00E+00	0.00E+00	4.45E-07	8.40E-08	5.33E-07	8.22E-08	7.48E-08	1.22E-06	1.26E-06	4.62E-07	6.29E-07	2.35E-07	1.26E-06	4.62E-07
2952	479276.6	3849922	3.79E-03	3.88E-03	3.66E-03	1.31E-06	3.96E-06	2.29E-06	2.35E-06	2.13E-06	9.71E-07	9.16E-07	0.00E+00	0.00E+00	4.22E-07	7.97E-08	5.05E-07	7.80E-08	7.09E-08	1.16E-06	1.20E-06	4.38E-07	5.97E-07	2.23E-07	1.20E-06	4.38E-07
2953	479326.6	3849922	3.74E-03	3.83E-03	3.62E-03	1.30E-06	3.91E-06	2.26E-06	2.32E-06	2.10E-06	9.59E-07	9.05E-07	0.00E+00	0.00E+00	4.17E-07	7.87E-08	5.00E-07	7.70E-08	7.01E-08	1.14E-06	1.18E-06	4.33E-07	5.90E-07	2.20E-07	1.18E-06	4.33E-07

2954	479376.6	3849922	3.56E-03	3.64E-03	3.44E-03	1.23E-06	3.72E-06	2.15E-06	2.20E-06	2.00E-06	9.12E-07	8.60E-07	0.00E+00	0.00E+00	3.96E-07	7.48E-08	4.75E-07	7.32E-08	6.66E-08	1.09E-06	1.12E-06	4.12E-07	5.60E-07	2.09E-07	1.12E-06	4.12E-07
2955	479426.6	3849922	3.50E-03	3.58E-03	3.38E-03	1.21E-06	3.65E-06	2.12E-06	2.17E-06	1.96E-06	8.96E-07	8.45E-07	0.00E+00	0.00E+00	3.89E-07	7.35E-08	4.67E-07	7.20E-08	6.55E-08	1.07E-06	1.10E-06	4.05E-07	5.51E-07	2.06E-07	1.10E-06	4.05E-07
2956	478726.6	3849972	6.76E-03	6.92E-03	6.53E-03	2.34E-06	7.07E-06	4.09E-06	4.19E-06	3.80E-06	1.73E-06	1.63E-06	0.00E+00	0.00E+00	7.52E-07	1.42E-07	9.02E-07	1.39E-07	1.27E-07	2.06E-06	2.13E-06	7.82E-07	1.06E-06	3.98E-07	2.13E-06	7.82E-07
2957	478776.6	3849972	6.40E-03	6.55E-03	6.18E-03	2.21E-06	6.69E-06	3.87E-06	3.96E-06	3.59E-06	1.64E-06	1.55E-06	0.00E+00	0.00E+00	7.12E-07	1.35E-07	8.54E-07	1.32E-07	1.20E-07	1.95E-06	2.02E-06	7.40E-07	1.01E-06	3.77E-07	2.02E-06	7.40E-07
2958	478826.6	3849972	6.07E-03	6.21E-03	5.86E-03	2.10E-06	6.34E-06	3.67E-06	3.76E-06	3.41E-06	1.55E-06	1.47E-06	0.00E+00	0.00E+00	6.75E-07	1.28E-07	8.10E-07	1.25E-07	1.14E-07	1.85E-06	1.91E-06	7.02E-07	9.56E-07	3.57E-07	1.91E-06	7.02E-07
2959	478976.6	3849972	5.28E-03	5.41E-03	5.10E-03	1.83E-06	5.52E-06	3.19E-06	3.27E-06	2.96E-06	1.35E-06	1.28E-06	0.00E+00	0.00E+00	5.87E-07	1.11E-07	7.04E-07	1.09E-07	9.88E-08	1.61E-06	1.67E-06	6.11E-07	8.31E-07	3.11E-07	1.67E-06	6.11E-07
2960	479026.6	3849972	5.05E-03	5.17E-03	4.88E-03	1.75E-06	5.28E-06	3.05E-06	3.13E-06	2.84E-06	1.29E-06	1.22E-06	0.00E+00	0.00E+00	5.62E-07	1.06E-07	6.74E-07	1.04E-07	9.45E-08	1.54E-06	1.59E-06	5.84E-07	7.95E-07	2.97E-07	1.59E-06	5.84E-07
2961	479076.6	3849972	4.84E-03	4.96E-03	4.67E-03	1.67E-06	5.06E-06	2.93E-06	3.00E-06	2.72E-06	1.24E-06	1.17E-06	0.00E+00	0.00E+00	5.39E-07	1.02E-07	6.46E-07	9.96E-08	9.06E-08	1.48E-06	1.53E-06	5.60E-07	7.62E-07	2.85E-07	1.53E-06	5.60E-07
2962	479126.6	3849972	4.65E-03	4.76E-03	4.49E-03	1.61E-06	4.86E-06	2.81E-06	2.88E-06	2.61E-06	1.19E-06	1.12E-06	0.00E+00	0.00E+00	5.18E-07	9.78E-08	6.21E-07	9.57E-08	8.70E-08	1.42E-06	1.47E-06	5.38E-07	7.32E-07	2.74E-07	1.47E-06	5.38E-07
2963	479176.6	3849972	4.48E-03	4.59E-03	4.33E-03	1.55E-06	4.68E-06	2.71E-06	2.78E-06	2.52E-06	1.15E-06	1.08E-06	0.00E+00	0.00E+00	4.98E-07	9.42E-08	5.98E-07	9.22E-08	8.38E-08	1.37E-06	1.41E-06	5.18E-07	7.05E-07	2.64E-07	1.41E-06	5.18E-07
2964	479226.6	3849972	4.21E-03	4.31E-03	4.07E-03	1.46E-06	4.40E-06	2.55E-06	2.61E-06	2.37E-06	1.08E-06	1.02E-06	0.00E+00	0.00E+00	4.69E-07	8.86E-08	5.62E-07	8.67E-08	7.89E-08	1.29E-06	1.33E-06	4.88E-07	6.64E-07	2.48E-07	1.33E-06	4.88E-07
2965	479276.6	3849972	4.13E-03	4.23E-03	3.99E-03	1.43E-06	4.31E-06	2.50E-06	2.56E-06	2.32E-06	1.06E-06	9.98E-07	0.00E+00	0.00E+00	4.59E-07	8.68E-08	5.51E-07	8.49E-08	7.73E-08	1.26E-06	1.30E-06	4.78E-07	6.50E-07	2.43E-07	1.30E-06	4.78E-07
2966	479326.6	3849972	4.03E-03	4.13E-03	3.89E-03	1.39E-06	4.21E-06	2.44E-06	2.50E-06	2.26E-06	1.03E-06	9.74E-07	0.00E+00	0.00E+00	4.49E-07	8.48E-08	5.38E-07	8.29E-08	7.54E-08	1.23E-06	1.27E-06	4.66E-07	6.35E-07	2.37E-07	1.27E-06	4.66E-07
2967	479376.6	3849972	3.83E-03	3.93E-03	3.70E-03	1.33E-06	4.01E-06	2.32E-06	2.38E-06	2.15E-06	9.82E-07	9.27E-07	0.00E+00	0.00E+00	4.27E-07	8.06E-08	5.12E-07	7.89E-08	7.18E-08	1.17E-06	1.21E-06	4.44E-07	6.04E-07	2.26E-07	1.21E-06	4.44E-07
2968	479426.6	3849972	3.73E-03	3.82E-03	3.60E-03	1.29E-06	3.90E-06	2.25E-06	2.31E-06	2.09E-06	9.55E-07	9.01E-07	0.00E+00	0.00E+00	4.15E-07	7.84E-08	4.97E-07	7.67E-08	6.98E-08	1.14E-06	1.18E-06	4.31E-07	5.87E-07	2.19E-07	1.18E-06	4.31E-07
2969	478726.6	3850022	7.64E-03	7.83E-03	7.38E-03	2.65E-06	7.99E-06	4.62E-06	4.74E-06	4.29E-06	1.96E-06	1.85E-06	0.00E+00	0.00E+00	8.51E-07	1.61E-07	1.02E-06	1.57E-07	1.43E-07	2.33E-06	2.41E-06	8.85E-07	1.20E-06	4.50E-07	2.41E-06	8.85E-07
2970	478776.6	3850022	7.18E-03	7.35E-03	6.93E-03	2.48E-06	7.50E-06	4.34E-06	4.45E-06	4.03E-06	1.84E-06	1.74E-06	0.00E+00	0.00E+00	7.99E-07	1.51E-07	9.58E-07	1.48E-07	1.34E-07	2.19E-06	2.27E-06	8.31E-07	1.13E-06	4.23E-07	2.27E-06	8.31E-07
2971	478826.6	3850022	6.77E-03	6.93E-03	6.54E-03	2.34E-06	7.07E-06	4.09E-06	4.19E-06	3.80E-06	1.73E-06	1.64E-06	0.00E+00	0.00E+00	7.53E-07	1.42E-07	9.03E-07	1.39E-07	1.27E-07	2.06E-06	2.14E-06	7.83E-07	1.07E-06	3.98E-07	2.14E-06	7.83E-07
2972	478976.6	3850022	5.79E-03	5.93E-03	5.59E-03	2.00E-06	6.05E-06	3.50E-06	3.59E-06	3.25E-06	1.48E-06	1.40E-06	0.00E+00	0.00E+00	6.44E-07	1.22E-07	7.73E-07	1.19E-07	1.08E-07	1.77E-06	1.83E-06	6.70E-07	9.12E-07	3.41E-07	1.83E-06	6.70E-07
2973	478726.6	3850072	8.81E-03	9.02E-03	8.51E-03	3.05E-06	9.20E-06	5.33E-06	5.46E-06	4.95E-06	2.26E-06	2.13E-06	0.00E+00	0.00E+00	9.80E-07	1.85E-07	1.18E-06	1.81E-07	1.65E-07	2.69E-06	2.78E-06	1.02E-06	1.39E-06	5.18E-07	2.78E-06	1.02E-06
2974	478776.6	3850072	8.19E-03	8.39E-03	7.91E-03	2.83E-06	8.56E-06	4.95E-06	5.07E-06	4.60E-06	2.10E-06	1.98E-06	0.00E+00	0.00E+00	9.11E-07	1.72E-07	1.09E-06	1.69E-07	1.53E-07	2.50E-06	2.58E-06	9.48E-07	1.29E-06	4.82E-07	2.58E-06	9.48E-07
2975	478826.6	3850072	7.65E-03	7.84E-03	7.39E-03	2.65E-06	8.00E-06	4.63E-06	4.74E-06	4.30E-06	1.96E-06	1.85E-06	0.00E+00	0.00E+00	8.52E-07	1.61E-07	1.02E-06	1.58E-07	1.43E-07	2.34E-06	2.42E-06	8.86E-07	1.21E-06	4.51E-07	2.42E-06	8.86E-07
2976	478876.6	3850072	7.19E-03	7.36E-03	6.95E-03	2.49E-06	7.51E-06	4.35E-06	4.46E-06	4.04E-06	1.84E-06	1.74E-06	0.00E+00	0.00E+00	8.00E-07	1.51E-07	9.60E-07	1.48E-07	1.35E-07	2.19E-06	2.27E-06	8.32E-07	1.13E-06	4.23E-07	2.27E-06	8.32E-07
2977	478976.6	3850072	6.42E-03	6.57E-03	6.20E-03	2.22E-06	6.71E-06	3.88E-06	3.98E-06	3.60E-06	1.64E-06	1.55E-06	0.00E+00	0.00E+00	7.14E-07	1.35E-07	8.56E-07	1.32E-07	1.20E-07	1.96E-06	2.02E-06	7.43E-07	1.01E-06	3.78E-07	2.02E-06	7.43E-07
2978	478726.6	3850122	1.04E-02	1.07E-02	1.01E-02	3.60E-06	1.09E-05	6.30E-06	6.45E-06	5.85E-06	2.67E-06	2.52E-06	0.00E+00	0.00E+00	1.16E-06	2.19E-07	1.39E-06	2.14E-07	1.95E-07	3.18E-06	3.29E-06	1.20E-06	1.64E-06	6.13E-07	3.29E-06	1.20E-06
2979	478776.6	3850122	9.55E-03	9.78E-03	9.23E-03	3.31E-06	9.98E-06	5.78E-06	5.92E-06	5.37E-06	2.45E-06	2.31E-06	0.00E+00	0.00E+00	1.06E-06	2.01E-07	1.27E-06	1.97E-07	1.79E-07	2.91E-06	3.01E-06	1.11E-06	1.50E-06	5.62E-07	3.01E-06	1.11E-06
2980	478826.6	3850122	8.83E-03	9.04E-03	8.53E-03	3.06E-06	9.23E-06	5.34E-06	5.47E-06	4.96E-06	2.26E-06	2.13E-06	0.00E+00	0.00E+00	9.83E-07	1.86E-07	1.18E-06	1.82E-07	1.65E-07	2.69E-06	2.79E-06	1.02E-06	1.39E-06	5.20E-07	2.79E-06	1.02E-06
2981	478876.6	3850122	8.21E-03	8.41E-03	7.93E-03	2.84E-06	8.58E-06	4.97E-06	5.09E-06	4.61E-06	2.10E-06	1.98E-06	0.00E+00	0.00E+00	9.14E-07	1.73E-07	1.10E-06	1.69E-07	1.54E-07	2.50E-06	2.59E-06	9.50E-07	1.29E-06	4.83E-07	2.59E-06	9.50E-07
2982	478976.6	3850122	7.21E-03	7.38E-03	6.96E-03	2.49E-06	7.53E-06	4.36E-06	4.47E-06	4.05E-06	1.85E-06	1.74E-06	0.00E+00	0.00E+00	8.02E-07	1.52E-07	9.62E-07	1.48E-07	1.35E-07	2.20E-06	2.27E-06	8.34E-07	1.14E-06	4.24E-07	2.27E-06	8.34E-07
2983	479026.6	3850122	6.80E-03	6.96E-03	6.57E-03	2.35E-06	7.10E-06	4.11E-06	4.21E-06	3.82E-06	1.74E-06	1.64E-06	0.00E+00	0.00E+00	7.57E-07	1.43E-07	9.07E-07	1.40E-07	1.27E-07	2.07E-06	2.15E-06	7.87E-07	1.07E-06	4.00E-07	2.15E-06	7.87E-07
2984	479076.6	3850122	6.42E-03	6.58E-03	6.21E-03	2.22E-06	6.71E-06	3.89E-06	3.98E-06	3.61E-06	1.65E-06	1.55E-06	0.00E+00	0.00E+00	7.15E-07	1.35E-07	8.58E-07	1.32E-07	1.20E-07	1.96E-06	2.03E-06	7.44E-07	1.01E-06	3.78E-07	2.03E-06	7.44E-07
2985	479126.6	3850122	6.09E-03	6.24E-03	5.89E-03	2.11E-06	6.37E-06	3.69E-06	3.78E-06	3.42E-06	1.56E-06	1.47E-06	0.00E+00	0.00E+00	6.78E-07	1.28E-07	8.13E-07	1.25E-07	1.14E-07	1.86E-06	1.92E-06	7.05E-07	9.60E-07	3.59E-07	1.92E-06	7.05E-07
2986	478776.6	3850172	1.15E-02	1.18E-02	1.11E-02	3.98E-06	1.20E-05	6.95E-06	7.12E-06	6.45E-06	2.94E-06	2.78E-06	0.00E+00	0.00E+00	1.28E-06	2.42E-07	1.53E-06	2.36E-07	2.15E-07	3.50E-06	3.62E-06	1.33E-06	1.81E-06	6.76E-07	3.62E-06	1.33E-06
2987	478826.6	3850172	1.04E-02	1.07E-02	1.01E-02	3.62E-06	1.09E-05	6.32E-06	6.47E-06	5.87E-06	2.68E-06	2.53E-06	0.00E+00	0.00E+00	1.16E-06	2.20E-07	1.39E-06	2.15E-07	1.96E-07	3.19E-06	3.30E-06	1.21E-06	1.65E-06	6.15E-07	3.30E-06	1.21E-06
2988	478876.6	3850172	9.58E-03	9.81E-03	9.26E-03	3.32E-06	1.00E-05	5.80E-06	5.94E-06	5.38E-06	2.46E-06	2.32E-06	0.00E+00	0.00E+00	1.07E-06	2.02E-07	1.28E-06	1.97E-07	1.79E-07	2.92E-06	3.02E-06	1.11E-06	1.51E-06	5.64E-07	3.02E-06	1.11E-06
2989	478976.6	3850172	8.23E-03	8.43E-03	7.95E-03	2.85E-06	8.60E-06	4.98E-06	5.10E-06	4.62E-06	2.11E-06	1.99E-06	0.00E+00	0.00E+00	9.16E-07	1.73E-07	1.10E-06	1.69E-07	1.54E-07	2.51E-06	2.60E-06	9.53E-07	1.30E-06	4.85E-07	2.60E-06	9.53E-07
2990	479026.6	3850172	7.70E-03	7.88E-03	7.43E-03	2.66E-06	8.04E-06	4.66E-06	4.77E-06	4.32E-06	1.97E-06	1.86E-06	0.00E+00	0.00E+00	8.57E-07	1.62E-07	1.03E-06	1.58E-07	1.44E-07	2.35E-06	2.43E-06	8.91E-07	1.21E-06	4.53E-07	2.43E-06	8.91E-07
2991	479076.6	3850172	7.23E-03	7.40E-03	6.98E-03	2.50E-06	7.55E-06	4.37E-06	4.48E-06	4.06E-06	1.85E-06	1.75E-06	0.00E+00	0.00E+00	8.04E-07	1.52E-07	9.65E-07	1.49E-07	1.35E-07	2.20E-06	2.28E-06	8.36E-07	1.14E-06	4.25E-07	2.28E-06	8.36E-07
2992	479126.6	3850172	6.81E-03	6.98E-03	6.58E-03	2.36E-06	7.12E-06	4.12E-06	4.22E-06	3.83E-06	1.75E-06	1.65E-06	0.00E+00	0.00E+00	7.58E-07	1.43E-07	9.09E-07	1.40E-07	1.28E-07	2.08E-06	2.15E-06	7.88E-07	1.07E-06	4.01E-07	2.15E-06	7.88E-07
2993	479176.6	3850172	6.45E-03	6.60E-03	6.23E-03	2.23E-06	6.74E-06	3.90E-06	4.00E-06	3.62E-06	1.65E-06	1.56E-06	0.00E+00	0.00E+00	7.18E-07	1.36E-07	8.60E-07	1.33E-07	1.21E-07	1.97E-06	2.03E-06	7.46E-07	1.02E-06	3.80E-07	2.03E-06	7.46E-07
2994	479226.6	3850172	6.13E-03	6.28E-03	5.92E-03	2.12E-06	6.41E-06	3.71E-06	3.80E-06	3.44E-06	1.57E-06	1.48E-06	0.00E+00	0.00E+00	6.82E-07	1.29E-07	8.18E-07	1.26E-07	1.15E-07	1.87E-06	1.93E-06	7.10E-07	9.66E-07	3.61E-07	1.93E-06	7.10E-07
2995	479276.6	3850172	5.84E-03	5.99E-03	5.65E-03	2.02E-06	6.11E-06	3.54E-06	3.62E-06	3.28E-06	1.50E-06	1.41E-06	0.00E+00	0.00E+00	6.51E-07	1.23E-07	7.80E-07	1.20E-07	1.09E-07	1.78E-06	1.84E-06	6.77E-07	9.21E-07	3.44E-07	1.84E-06	6.77E-07
2996	479326.6	3850172	5.58E-03	5.71E-03	5.39E-03	1.93E-06	5.83E-06	3.37E-06	3.46E-06	3.13E-06	1.43E-06	1.35E-06	0.00E+00	0.00E+00	6.21E-07	1.17E-07	7.44E-07	1.15E-07	1.04E-07	1.70E-06	1.76E-06	6.46E-07	8.79E-07	3.28E-07	1.76E-06	6.46E-07
2997	479376.6	3850172	5.32E-03	5.45E-03	5.14E-03	1.84E-06	5.56E-06	3.22E-06	3.30E-06	2.99E-06	1.36E-06	1.29E-06	0.00E+00	0.00E+00	5.93E-07	1.12E-07	7.11E-07	1.10E-07	9.97E-08	1.62E-06	1.68E-06	6.16E-07	8.39E-07	3.13E-07	1.68E-06	6.16E-07
2998	478676.6	3850222	1.95E-02	1.99E-02	1.88E-02	6.73E-06	2.03E-05	1.18E-05	1.21E-05	1.09E-05	4.99E-06	4.70E-06	0.00E+00	0.00E+00	2.17E-06	4.09E-07	2.60E-06	4.00E-07	3.64E-07	5.94E-06	6.14E-06	2.25E-06	3.06E-06	1.15E-06	6.14E-06	2.25E-06
2999	478726.6	3850222	1.66E-02	1.70E-02	1.60E-02	5.74E-06	1.73E-05	1.00E-05	1.03E-05	9.31E-06	4.25E-06	4.01E-06	0.00E+00	0.00E+00	1.85E-06	3.49E-07	2.21E-06	3.41E-07	3.10E-07	5.06E-06	5.23E-06	1.92E-06	2.61E-06	9.76E-07	5.23E-06	1.92E-06
3000	478976.6	3850222	9.61E-03	9.84E-03	9.28E-03	3.33E-06	1.00E-05	5.81E-06	5.96E-06	5.40E-06	2.46E-06	2.32E-06	0.00E+00	0.00E+00	1.07E-06	2.02E-07	1.28E-06	1.98E-07	1.80E-07	2.93E-06	3.03E-06	1.11E-06	1.51E-06	5.66E-07	3.03E-06	1.11E-06
3001	479026.6	3850222	8.88E-03	9.09E-03	8.58E-03	3.07E-06	9.28E-06	5.37E-06	5.50E-06	4.99E-06	2.28E-06	2.15E-06	0.00E+00	0.00E+00	9.88E-07	1.87E-07	1.18E-06	1.83E-07	1.66E-07	2.71E-06	2.80E-06	1.03E-06	1.40E-06	5.23E-07	2.80E-06	1.03E-06
3002	479076.6	3850222	8.26E-03	8.46E-03	7.98E-03	2.86E-06	8.63E-06	5.00E-06	5.12E-06	4.64E-06	2.12E-06	2.00E-06	0.00E+00	0.00E+00	9.19E-07	1.74E-07	1.10E-06	1.70E-07	1.55E-07	2.52E-06	2.61E-06	9.56E-07	1.30E-06	4.86E-07	2.61E-06	9.56E-07
3003	479126.6	3850222	7.72E-03	7.90E-03	7.46E-03	2.67E-06	8.07E-06	4.67E-06	4.78E-06	4.34E-06	1.98E-06	1.87E-06	0.00E+00	0.00E+00	8.59E-07	1.62E-07	1.03E-06	1.59E-07	1.44E-07	2.35E-06	2.44E-06	8.93E-07	1.22E-06	4.54E-07	2.44E-06	8.93E-07
3004	479176.6	3850222	7.25E-03	7.43E-03	7.00E-03	2.51E-06	7.58E-06	4.39E-06	4.49E-06	4.07E-06	1.86E-06	1.75E-06	0.00E+00	0.00E+00	8.07E-07	1.52E-07	9.68E-07	1.49E-07	1.36E-07	2.21E-06	2.29E-06	8.39E-07	1.14E-06	4.27E-07	2.29E-06	8.39E-07
3005	479226.6	3850222	6.84E-03	7.00E-03	6.61E-03	2.37E-06	7.15E-06	4.14E-06	4.24E-06	3.84E-06	1.75E-06	1.65E-06	0.00E+00	0.00E+00	7.61E-07	1.44E-07	9.13E-07	1.41E-07	1.28E-07	2.09E-06	2.16E-06	7.92E-07	1.08E-06	4.03E-07	2.16E-06	7.92E-07
3006	479276.6	3850222	6.47E-03	6.63E-03	6.25E-03	2.24E-06	6.77E-06	3.92E-06	4.01E-06	3.64E-06	1.66E-06	1.57E-06	0.00E+00	0.00E+00	7.21E-07	1.36E-07	8.64E-07	1.33E-07	1.21E-07	1.98E-06	2.04E-06	7.49E-07	1.02E-06	3.81E-07	2.04E-06	7.49E-07
3007	479326.6	3850222	6.15E-03	6.30E-03	5.94E-03	2.13E-06	6.43E-06	3.72E-06	3.81E-06	3.45E-06	1.58E-06	1.49E-06	0.00E+00	0.00E+00	6.84E-07	1.29E-07	8.21E-07	1.27E-07	1.15E-07	1.88E-06	1.94E-06	7.12E-07	9.69E-07	3.62E-07	1.94E-06	7.12E-07
3008	479376.6	3850222	5.85E-03	5.99E-03	5.65E-03	2.03E-06	6.12E-06	3.54E-06	3.63E-06	3.29E-06	1.50E-06	1.41E-06	0.00E+00	0.00E+00	6.51E-07	1.23E-07	7.81E-07	1.20E-07	1.10E-07	1.79E-06	1.85E-06	6.77E-07	9.22E-07	3.44E-07	1.85E-06	6.77E-07
3009	478676.6	3850272	2.98E-02	3.05E-02	2.88E-02	1.03E-05	3.12E-05	1.80E-05	1.85E-05	1.68E-05	7.64E-06	7.21E-06	0.00E+00	0.00E+00	3.32E-06	6.27E-07	3.98E-06	6.14E-07	5.58E-07	9.10E-06	9.41E-06	3.45E-06	4.70E-06	1.76E-06	9.41E-06	3.45E-06
3010	478726.6	3850272	2.37E-02	2.42E-02	2.29E-02	8.19E-06	2.47E-05	1.43E-05	1.47E-05	1.33E-05	6.06E-06	5.72E-06	0.00E+00	0.00E+00	2.63E-06	4.98E-07	3.16E-06	4.87E-07	4.43E-07	7.22E-06	7.47E-06	2.74E-06	3.73E-06	1.39E-06	7.47E-06	2.74E-06
3011	478976.6	3850272	1.16E-02	1.19E-02	1.12E-02	4.01E-06	1.21E-05	7.01E-06	7.18E-06	6.51E-06	2.97E-06	2.80E-06	0.00E+00	0.00E+00	1.29E-06	2.44E-07	1.55E-06	2.38E-07	2.17E-07	3.53E-06	3.66E-06	1.34E-06	1.82E-06	6.82E-07	3.66E-06	1.34E-06
3012	479026.6	3850272	1.05E-02	1.08E-02	1.02E-02	3.64E-06	1.10E-05	6.36E-06	6.52E-06	5.91E-06	2.70E-06	2.54E-06	0.00E+00	0.00E+00	1.17E-06	2.21E-07	1.40E-06	2.16E-07	1.97E-07	3.21E-06	3.32E-06	1.22E-06	1.66E-06	6.19E-07	3.32E-06	1.22E-06
3013	479076.6	3850272	9.64E-03	9.88E-03	9.32E-03	3.34E-06	1.01E-05	5.83E-06	5.98E-06	5.42E-06	2.47E-06	2.33E-06	0.00E+00	0.00E+00	1.07E-06	2.03E-07	1.29E-06	1.98E-07	1.81E-07	2.94E-06	3.04E-06	1.12E-06	1.52E-06	5.68E-07	3.04E-06	1.12E-06
3014	479126.6	3850272	8.91E-03	9.13E-03	8.61E-03	3.08E-06	9.31E-06	5.39E-06	5.52E-06	5.01E-06	2.28E-06	2.15E-06	0.00E+00	0.00E+00	9.92E-07	1.87E-07	1.19E-06	1.83E-07	1.67E-07	2.72E-06	2.81E-06	1.03E-06	1.40E-06	5.25E-07	2.81E-06	1.03E-06
3015	479176.6	3850272	8.28E-03	8.48E-03	8.00E-03	2.87E-06	8.66E-06	5.01E-06	5.13E-06	4.65E-06	2.12E-06	2.00E-06	0.00E+00	0.00E+00	9.22E-07	1.74E-07	1.11E-06	1.70E-07	1.55E-07	2.53E-06	2.61E-06	9.59E-07	1.30E-06	4.87E-07	2.61E-06	9.59E-07
3016	479226.6	3850272	7.74E-03	7.93E-03	7.48E-03	2.68E-06	8.09E-06	4.68E-06	4.80E-06	4.35E-06	1.98E-06	1.87E-06	0.00E+00	0.00E+00	8.62E-07	1.63E-07	1.03E-06	1.59E-07	1.45E-07	2.36E-06	2.44E-06	8.96E-07	1.22E-06	4.56E-07	2.44E-06	8.96E-07
3017	479276.6	3850272	7.27E-03	7.45E-03	7.02E-03	2.52E-06	7.60E-06	4.40E-06	4.51E-06	4.08E-06	1.86E-06	1.76E-06	0.00E+00	0.00E+00	8.09E-07	1.53E-07	9.70E-07	1.50E-07	1.36E-07	2.22E-06	2.29E-06	8.42E-07	1.15E-06	4.28E-07	2.29E-06	8.42E-07
3018	479326.6	3850272	6.86E-03	7.03E-03	6.63E-03	2.37E-06	7.17E-06	4.15E-06	4.25E-06	3.85E-06	1.76E-06	1.66E-06	0.00E+00	0.00E+00	7.64E-07	1.44E-07	9.16E-07	1.41E-07	1.28E-07	2.09E-06	2.17E-06	7.94E-07	1.08E-06	4.04E-07	2.17E-06	7.94E-07
3019	479376.6	3850272	6.48E-03	6.64E-03	6.27E-03	2.24E-06	6.78E-06	3.92E-06	4.02E-06	3.64E-06	1.66E-06	1.57E-06	0.00E+00	0.00E+00	7.22E-07	1.36E-07	8.66E-07	1.33E-07	1.21E-07	1.98E-06	2.05E-06	7.51E-07	1.02E-06	3.82E-07	2.05E-06	7.51E-07
3020	479053.2	3850294	1.09E-02	1.11E-02	1.05E-02	3.76E-06	1.14E-05	6.57E-06	6.73E-06	6.10E-06	2.78E-06	2.63E-06	0.00E+00	0.00E+00	1.21E-06	2.28E-07	1.45E-06	2.24E-07	2.03E-07	3.31E-06	3.43E-06	1.26E-06	1.71E-06	6.39E-07	3.43E-06	1.26E-06
3021	479103.2	3850294	9.93E-03	1.02E-02	9.59E-03	3.44E-06	1.04E-05	6.01E-06	6.15E-06	5.58E-06	2.54E-06	2.40E-06	0.00E+00	0.00E+00	1.11E-06	2.09E-07	1.33E-06	2.04E-07	1.86E-07	3.03E-06	3.13E-06	1.15E-06	1.56E-06	5.84E-07	3.13E-06	1.15E-06
3022	479153.2	3850294	9.15E-03	9.38E-03	8.84E-03	3.17E-06	9.57E-06	5.54E-06	5.67E-06	5.14E-06	2.35E-06	2.21E-06	0.00E+00	0.00E+00	1.02E-06	1.93E-07	1.22E-06	1.88E-07	1.71E-07	2.79E-06	2.89E-06	1.06E-06	1.44E-06	5.39E-07	2.89E-06	1.06E-06
3023	479203.2	3850294	8.49E-03	8.69E-03	8.20E-03	2.94E-06	8.87E-06	5.14E-06	5.26E-06	4.77E-06	2.18E-06	2.05E-06	0.00E+00	0.00E+00	9.45E-07	1.79E-07	1.13E-06	1.75E-07	1.59E-07	2.59E-06	2.68E-06	9.83E-07	1.34E-06	5.00E-07	2.68E-06	9.83E-07
3024	479253.2	3850294	7.92E-03	8.11E-03	7.65E-03	2.74E-06	8.28E-06	4.79E-06	4.91E-06	4.45E-06	2.03E-06	1.92E-06	0.00E+00	0.00E+00	8.82E-07	1.67E-07	1.06E-06	1.63E-07	1.48E-07	2.42E-06	2.50E-06	9.17E-07	1.25E-06	4.66E-07	2.50E-06	9.17E-07
3025	479303.2	3850294	7.43E-03	7.61E-03	7.18E-03	2.57E-06	7.77E-06	4.50E-06	4.61E-06	4.18E-06	1.91E-06	1.80E-06	0.00E+00	0.00E+00	8.28E-07	1.56E-07	9.92E-07	1.53E-07	1.39E-07	2.27E-06	2.35E-06	8.61E-07	1.17E-06	4.38E-07	2.35E-06	8.61E-07
3026	479353.2	3850294	7.00E-03	7.17E-03	6.76E-03	2.42E-06	7.31E-06	4.23E-06	4.34E-06	3.93E-06	1.79E-06	1.69E-06	0.00E+00	0.00E+00	7.79E-07	1.47E-07	9.34E-07	1.44E-07	1.31E-07	2.14E-06	2.21E-06	8.10E-07	1.10E-06	4.12E-07	2.21E-06	8.10E-07
3027	479153.2	3850344	1.09E-02	1.12E-02	1.05E-02	3.78E-06	1.14E-05	6.60E-06	6.76E-06	6.13E-06	2.80E-06	2.64E-06	0.00E+00	0.00E+00	1.21E-06	2.30E-07	1.46E-06	2.25E-07	2.04E-07	3.33E-06	3.44E-06	1.26E-06	1.72E-06	6.42E-07	3.44E-06	1.26E-06

3028	479203.2	3850344	9.97E-03	1.02E-02	9.63E-03	3.45E-06	1.04E-05	6.03E-06	6.18E-06	5.60E-06	2.56E-06	2.41E-06	0.00E+00	0.00E+00	1.11E-06	2.10E-07	1.33E-06	2.05E-07	1.87E-07	3.04E-06	3.15E-06	1.15E-06	1.57E-06	5.87E-07	3.15E-06	1.15E-06
3029	479253.2	3850344	9.20E-03	9.42E-03	8.88E-03	3.18E-06	9.61E-06	5.56E-06	5.70E-06	5.17E-06	2.36E-06	2.22E-06	0.00E+00	0.00E+00	1.02E-06	1.93E-07	1.23E-06	1.89E-07	1.72E-07	2.81E-06	2.90E-06	1.06E-06	1.45E-06	5.41E-07	2.90E-06	1.06E-06
3030	479303.2	3850344	8.54E-03	8.74E-03	8.25E-03	2.96E-06	8.92E-06	5.17E-06	5.29E-06	4.80E-06	2.19E-06	2.06E-06	0.00E+00	0.00E+00	9.50E-07	1.80E-07	1.14E-06	1.76E-07	1.60E-07	2.60E-06	2.69E-06	9.88E-07	1.34E-06	5.03E-07	2.69E-06	9.88E-07
3031	479353.2	3850344	7.96E-03	8.15E-03	7.69E-03	2.76E-06	8.32E-06	4.82E-06	4.93E-06	4.47E-06	2.04E-06	1.92E-06	0.00E+00	0.00E+00	8.86E-07	1.67E-07	1.06E-06	1.64E-07	1.49E-07	2.43E-06	2.51E-06	9.22E-07	1.25E-06	4.69E-07	2.51E-06	9.22E-07
3032	479203.2	3850394	1.21E-02	1.24E-02	1.17E-02	4.20E-06	1.27E-05	7.34E-06	7.52E-06	6.82E-06	3.11E-06	2.93E-06	0.00E+00	0.00E+00	1.35E-06	2.55E-07	1.62E-06	2.50E-07	2.27E-07	3.70E-06	3.83E-06	1.40E-06	1.91E-06	7.14E-07	3.83E-06	1.40E-06
3033	479253.2	3850394	1.10E-02	1.13E-02	1.06E-02	3.80E-06	1.15E-05	6.65E-06	6.81E-06	6.17E-06	2.82E-06	2.66E-06	0.00E+00	0.00E+00	1.22E-06	2.31E-07	1.47E-06	2.26E-07	2.06E-07	3.35E-06	3.47E-06	1.27E-06	1.73E-06	6.47E-07	3.47E-06	1.27E-06
3034	479303.2	3850394	1.01E-02	1.03E-02	9.71E-03	3.48E-06	1.05E-05	6.08E-06	6.23E-06	5.65E-06	2.58E-06	2.43E-06	0.00E+00	0.00E+00	1.12E-06	2.11E-07	1.34E-06	2.07E-07	1.88E-07	3.07E-06	3.17E-06	1.16E-06	1.58E-06	5.92E-07	3.17E-06	1.16E-06
3035	479353.2	3850394	9.26E-03	9.48E-03	8.94E-03	3.20E-06	9.68E-06	5.60E-06	5.74E-06	5.20E-06	2.37E-06	2.24E-06	0.00E+00	0.00E+00	1.03E-06	1.95E-07	1.24E-06	1.91E-07	1.73E-07	2.82E-06	2.92E-06	1.07E-06	1.46E-06	5.45E-07	2.92E-06	1.07E-06
3036	479403.2	3850394	8.57E-03	8.78E-03	8.28E-03	2.97E-06	8.96E-06	5.19E-06	5.31E-06	4.82E-06	2.20E-06	2.07E-06	0.00E+00	0.00E+00	9.54E-07	1.80E-07	1.14E-06	1.76E-07	1.61E-07	2.62E-06	2.71E-06	9.92E-07	1.35E-06	5.05E-07	2.71E-06	9.92E-07
3037	479453.2	3850394	7.97E-03	8.16E-03	7.70E-03	2.76E-06	8.33E-06	4.82E-06	4.94E-06	4.48E-06	2.04E-06	1.93E-06	0.00E+00	0.00E+00	8.87E-07	1.68E-07	1.06E-06	1.64E-07	1.49E-07	2.43E-06	2.52E-06	9.23E-07	1.26E-06	4.69E-07	2.52E-06	9.23E-07
3038	479503.2	3850394	7.43E-03	7.60E-03	7.17E-03	2.57E-06	7.76E-06	4.49E-06	4.60E-06	4.17E-06	1.90E-06	1.80E-06	0.00E+00	0.00E+00	8.27E-07	1.56E-07	9.91E-07	1.53E-07	1.39E-07	2.27E-06	2.34E-06	8.60E-07	1.17E-06	4.37E-07	2.34E-06	8.60E-07
3039	479303.2	3850444	1.23E-02	1.26E-02	1.18E-02	4.25E-06	1.28E-05	7.42E-06	7.60E-06	6.89E-06	3.14E-06	2.97E-06	0.00E+00	0.00E+00	1.37E-06	2.58E-07	1.64E-06	2.52E-07	2.30E-07	3.74E-06	3.87E-06	1.42E-06	1.93E-06	7.22E-07	3.87E-06	1.42E-06
3040	479353.2	3850444	1.11E-02	1.14E-02	1.07E-02	3.84E-06	1.16E-05	6.71E-06	6.87E-06	6.23E-06	2.84E-06	2.68E-06	0.00E+00	0.00E+00	1.23E-06	2.33E-07	1.48E-06	2.28E-07	2.08E-07	3.38E-06	3.50E-06	1.28E-06	1.75E-06	6.53E-07	3.50E-06	1.28E-06
3041	479403.2	3850444	1.01E-02	1.03E-02	9.76E-03	3.50E-06	1.06E-05	6.11E-06	6.26E-06	5.67E-06	2.59E-06	2.44E-06	0.00E+00	0.00E+00	1.12E-06	2.12E-07	1.35E-06	2.08E-07	1.89E-07	3.08E-06	3.19E-06	1.17E-06	1.59E-06	5.95E-07	3.19E-06	1.17E-06
3042	479453.2	3850444	9.26E-03	9.48E-03	8.94E-03	3.20E-06	9.67E-06	5.60E-06	5.74E-06	5.20E-06	2.37E-06	2.24E-06	0.00E+00	0.00E+00	1.03E-06	1.95E-07	1.24E-06	1.91E-07	1.73E-07	2.82E-06	2.92E-06	1.07E-06	1.46E-06	5.45E-07	2.92E-06	1.07E-06
3043	479503.2	3850444	8.52E-03	8.73E-03	8.23E-03	2.95E-06	8.91E-06	5.16E-06	5.28E-06	4.79E-06	2.18E-06	2.06E-06	0.00E+00	0.00E+00	9.48E-07	1.79E-07	1.14E-06	1.75E-07	1.60E-07	2.60E-06	2.69E-06	9.86E-07	1.34E-06	5.02E-07	2.69E-06	9.86E-07
3044	480327.2	3850987	1.50E-02	1.53E-02	1.44E-02	5.18E-06	1.56E-05	9.05E-06	9.27E-06	8.40E-06	3.83E-06	3.61E-06	0.00E+00	0.00E+00	1.66E-06	3.14E-07	2.00E-06	3.08E-07	2.80E-07	4.56E-06	4.72E-06	1.73E-06	2.36E-06	8.80E-07	4.72E-06	1.73E-06
3045	480377.2	3850987	1.32E-02	1.35E-02	1.27E-02	4.57E-06	1.38E-05	7.98E-06	8.18E-06	7.41E-06	3.38E-06	3.19E-06	0.00E+00	0.00E+00	1.47E-06	2.78E-07	1.76E-06	2.72E-07	2.47E-07	4.03E-06	4.16E-06	1.53E-06	2.08E-06	7.77E-07	4.16E-06	1.53E-06
3046	480427.2	3850987	1.18E-02	1.21E-02	1.14E-02	4.08E-06	1.23E-05	7.13E-06	7.30E-06	6.62E-06	3.02E-06	2.85E-06	0.00E+00	0.00E+00	1.31E-06	2.48E-07	1.57E-06	2.42E-07	2.21E-07	3.59E-06	3.72E-06	1.36E-06	1.86E-06	6.93E-07	3.72E-06	1.36E-06
3047	480477.2	3850987	1.06E-02	1.09E-02	1.02E-02	3.67E-06	1.11E-05	6.41E-06	6.57E-06	5.95E-06	2.72E-06	2.56E-06	0.00E+00	0.00E+00	1.18E-06	2.23E-07	1.41E-06	2.18E-07	1.98E-07	3.23E-06	3.34E-06	1.23E-06	1.67E-06	6.24E-07	3.34E-06	1.23E-06
3048	480327.2	3851037	2.05E-02	2.10E-02	1.98E-02	7.10E-06	2.14E-05	1.24E-05	1.27E-05	1.15E-05	5.26E-06	4.96E-06	0.00E+00	0.00E+00	2.28E-06	4.31E-07	2.74E-06	4.22E-07	3.84E-07	6.26E-06	6.47E-06	2.37E-06	3.23E-06	1.21E-06	6.47E-06	2.37E-06
3049	480377.2	3851037	1.74E-02	1.78E-02	1.68E-02	6.01E-06	1.82E-05	1.05E-05	1.08E-05	9.76E-06	4.45E-06	4.20E-06	0.00E+00	0.00E+00	1.93E-06	3.65E-07	2.32E-06	3.57E-07	3.25E-07	5.30E-06	5.48E-06	2.01E-06	2.74E-06	1.02E-06	5.48E-06	2.01E-06
3050	480427.2	3851037	1.50E-02	1.54E-02	1.45E-02	5.19E-06	1.57E-05	9.08E-06	9.30E-06	8.43E-06	3.84E-06	3.63E-06	0.00E+00	0.00E+00	1.67E-06	3.16E-07	2.00E-06	3.09E-07	2.81E-07	4.58E-06	4.73E-06	1.74E-06	2.36E-06	8.83E-07	4.73E-06	1.74E-06
3051	480477.2	3851037	1.32E-02	1.35E-02	1.27E-02	4.56E-06	1.38E-05	7.97E-06	8.17E-06	7.40E-06	3.38E-06	3.19E-06	0.00E+00	0.00E+00	1.47E-06	2.77E-07	1.76E-06	2.71E-07	2.47E-07	4.02E-06	4.16E-06	1.53E-06	2.08E-06	7.76E-07	4.16E-06	1.53E-06
3052	480622.1	3851087	1.19E-02	1.21E-02	1.15E-02	4.11E-06	1.24E-05	7.18E-06	7.35E-06	6.66E-06	3.04E-06	2.87E-06	0.00E+00	0.00E+00	1.32E-06	2.49E-07	1.58E-06	2.44E-07	2.22E-07	3.62E-06	3.74E-06	1.37E-06	1.87E-06	6.98E-07	3.74E-06	1.37E-06
3053	480672.1	3851087	1.07E-02	1.09E-02	1.03E-02	3.70E-06	1.12E-05	6.47E-06	6.62E-06	6.00E-06	2.74E-06	2.58E-06	0.00E+00	0.00E+00	1.19E-06	2.25E-07	1.43E-06	2.20E-07	2.00E-07	3.26E-06	3.37E-06	1.24E-06	1.68E-06	6.29E-07	3.37E-06	1.24E-06
3054	480622.1	3851137	1.53E-02	1.56E-02	1.47E-02	5.28E-06	1.59E-05	9.23E-06	9.45E-06	8.57E-06	3.91E-06	3.69E-06	0.00E+00	0.00E+00	1.70E-06	3.21E-07	2.04E-06	3.14E-07	2.86E-07	4.65E-06	4.81E-06	1.77E-06	2.40E-06	8.98E-07	4.81E-06	1.77E-06
3055	480672.1	3851137	1.34E-02	1.37E-02	1.29E-02	4.63E-06	1.40E-05	8.08E-06	8.28E-06	7.51E-06	3.42E-06	3.23E-06	0.00E+00	0.00E+00	1.49E-06	2.81E-07	1.78E-06	2.75E-07	2.50E-07	4.08E-06	4.22E-06	1.55E-06	2.10E-06	7.87E-07	4.22E-06	1.55E-06
3056	480722.1	3851137	1.19E-02	1.22E-02	1.15E-02	4.12E-06	1.24E-05	7.20E-06	7.38E-06	6.69E-06	3.05E-06	2.88E-06	0.00E+00	0.00E+00	1.32E-06	2.50E-07	1.59E-06	2.45E-07	2.23E-07	3.63E-06	3.76E-06	1.38E-06	1.88E-06	7.01E-07	3.76E-06	1.38E-06
3057	480622.1	3851187	2.13E-02	2.18E-02	2.06E-02	7.37E-06	2.23E-05	1.29E-05	1.32E-05	1.20E-05	5.46E-06	5.15E-06	0.00E+00	0.00E+00	2.37E-06	4.48E-07	2.84E-06	4.38E-07	3.99E-07	6.50E-06	6.72E-06	2.47E-06	3.35E-06	1.25E-06	6.72E-06	2.47E-06
3058	480672.1	3851187	1.78E-02	1.83E-02	1.72E-02	6.17E-06	1.86E-05	1.08E-05	1.10E-05	1.00E-05	4.57E-06	4.31E-06	0.00E+00	0.00E+00	1.98E-06	3.75E-07	2.38E-06	3.67E-07	3.34E-07	5.44E-06	5.63E-06	2.06E-06	2.81E-06	1.05E-06	5.63E-06	2.06E-06
3059	480722.1	3851187	1.53E-02	1.57E-02	1.48E-02	5.31E-06	1.60E-05	9.28E-06	9.50E-06	8.61E-06	3.93E-06	3.71E-06	0.00E+00	0.00E+00	1.71E-06	3.22E-07	2.05E-06	3.16E-07	2.87E-07	4.68E-06	4.84E-06	1.77E-06	2.41E-06	9.02E-07	4.84E-06	1.77E-06
3060	471363.1	3845877	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.08E-08	1.15E-08	7.29E-08	1.12E-08	1.02E-08	1.67E-07	1.72E-07	6.32E-08	8.60E-08	3.21E-08	1.72E-07	6.32E-08
3061	471863.1	3845877	5.45E-04	5.58E-04	5.26E-04	1.89E-07	5.69E-07	3.30E-07	3.38E-07	3.06E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.06E-08	1.15E-08	7.27E-08	1.12E-08	1.02E-08	1.66E-07	1.72E-07	6.30E-08	8.58E-08	3.21E-08	1.72E-07	6.30E-08
3062	472363.1	3845877	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	6.98E-08	1.32E-08	8.37E-08	1.29E-08	1.17E-08	1.91E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
3063	472863.1	3845877	6.05E-04	6.20E-04	5.85E-04	2.09E-07	6.32E-07	3.66E-07	3.75E-07	3.40E-07	1.55E-07	1.46E-07	0.00E+00	0.00E+00	6.74E-08	1.27E-08	8.08E-08	1.25E-08	1.13E-08	1.85E-07	1.91E-07	7.00E-08	9.53E-08	3.56E-08	1.91E-07	7.00E-08
3064	473363.1	3845877	6.20E-04	6.35E-04	5.99E-04	2.15E-07	6.48E-07	3.75E-07	3.84E-07	3.48E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.90E-08	1.30E-08	8.27E-08	1.28E-08	1.16E-08	1.89E-07	1.96E-07	7.18E-08	9.77E-08	3.65E-08	1.96E-07	7.18E-08
3065	473863.1	3845877	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	7.00E-08	1.32E-08	8.39E-08	1.29E-08	1.18E-08	1.92E-07	1.98E-07	7.28E-08	9.90E-08	3.70E-08	1.98E-07	7.28E-08
3066	474363.1	3845877	6.67E-04	6.83E-04	6.44E-04	2.31E-07	6.97E-07	4.04E-07	4.13E-07	3.75E-07	1.71E-07	1.61E-07	0.00E+00	0.00E+00	7.43E-08	1.40E-08	8.90E-08	1.37E-08	1.25E-08	2.04E-07	2.11E-07	7.72E-08	1.05E-07	3.93E-08	2.11E-07	7.72E-08
3067	474863.1	3845877	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.66E-08	1.45E-08	9.18E-08	1.42E-08	1.29E-08	2.10E-07	2.17E-07	7.96E-08	1.08E-07	4.05E-08	2.17E-07	7.96E-08
3068	475363.1	3845877	6.97E-04	7.13E-04	6.73E-04	2.41E-07	7.28E-07	4.21E-07	4.32E-07	3.91E-07	1.79E-07	1.68E-07	0.00E+00	0.00E+00	7.75E-08	1.47E-08	9.30E-08	1.43E-08	1.30E-08	2.13E-07	2.20E-07	8.06E-08	1.10E-07	4.10E-08	2.20E-07	8.06E-08
3069	475863.1	3845877	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	0.00E+00	0.00E+00	7.56E-08	1.43E-08	9.06E-08	1.40E-08	1.27E-08	2.07E-07	2.14E-07	7.86E-08	1.07E-07	4.00E-08	2.14E-07	7.86E-08
3070	476363.1	3845877	6.45E-04	6.61E-04	6.23E-04	2.23E-07	6.74E-07	3.90E-07	4.00E-07	3.62E-07	1.65E-07	1.56E-07	0.00E+00	0.00E+00	7.18E-08	1.36E-08	8.61E-08	1.33E-08	1.21E-08	1.97E-07	2.04E-07	7.47E-08	1.02E-07	3.80E-08	2.04E-07	7.47E-08
3071	476863.1	3845877	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	0.00E+00	0.00E+00	6.75E-08	1.28E-08	8.10E-08	1.25E-08	1.14E-08	1.85E-07	1.91E-07	7.02E-08	9.56E-08	3.57E-08	1.91E-07	7.02E-08
3072	477363.1	3845877	5.76E-04	5.90E-04	5.56E-04	1.99E-07	6.02E-07	3.48E-07	3.57E-07	3.23E-07	1.48E-07	1.39E-07	0.00E+00	0.00E+00	6.41E-08	1.21E-08	7.68E-08	1.18E-08	1.08E-08	1.76E-07	1.82E-07	6.66E-08	9.07E-08	3.39E-08	1.82E-07	6.66E-08
3073	477863.1	3845877	5.40E-04	5.53E-04	5.22E-04	1.87E-07	5.65E-07	3.27E-07	3.35E-07	3.03E-07	1.38E-07	1.31E-07	0.00E+00	0.00E+00	6.01E-08	1.14E-08	7.21E-08	1.11E-08	1.01E-08	1.65E-07	1.70E-07	6.25E-08	8.51E-08	3.18E-08	1.70E-07	6.25E-08
3074	478363.1	3845877	5.20E-04	5.32E-04	5.02E-04	1.80E-07	5.43E-07	3.14E-07	3.22E-07	2.92E-07	1.33E-07	1.26E-07	0.00E+00	0.00E+00	5.78E-08	1.09E-08	6.93E-08	1.07E-08	9.73E-09	1.59E-07	1.64E-07	6.01E-08	8.18E-08	3.06E-08	1.64E-07	6.01E-08
3075	478863.1	3845877	5.00E-04	5.12E-04	4.83E-04	1.73E-07	5.23E-07	3.03E-07	3.10E-07	2.81E-07	1.28E-07	1.21E-07	0.00E+00	0.00E+00	5.57E-08	1.05E-08	6.68E-08	1.03E-08	9.37E-09	1.53E-07	1.58E-07	5.79E-08	7.88E-08	2.95E-08	1.58E-07	5.79E-08
3076	479363.1	3845877	4.90E-04	5.02E-04	4.73E-04	1.70E-07	5.12E-07	2.96E-07	3.04E-07	2.75E-07	1.26E-07	1.18E-07	0.00E+00	0.00E+00	5.45E-08	1.03E-08	6.54E-08	1.01E-08	9.17E-09	1.50E-07	1.55E-07	5.67E-08	7.72E-08	2.88E-08	1.55E-07	5.67E-08
3077	479863.1	3845877	4.71E-04	4.82E-04	4.55E-04	1.63E-07	4.92E-07	2.85E-07	2.92E-07	2.64E-07	1.21E-07	1.14E-07	0.00E+00	0.00E+00	5.24E-08	9.90E-09	6.28E-08	9.69E-09	8.81E-09	1.44E-07	1.49E-07	5.45E-08	7.42E-08	2.77E-08	1.49E-07	5.45E-08
3078	480363.1	3845877	4.40E-04	4.50E-04	4.25E-04	1.52E-07	4.60E-07	2.66E-07	2.73E-07	2.47E-07	1.13E-07	1.06E-07	0.00E+00	0.00E+00	4.90E-08	9.25E-09	5.87E-08	9.05E-09	8.23E-09	1.34E-07	1.39E-07	5.09E-08	6.93E-08	2.59E-08	1.39E-07	5.09E-08
3079	480863.1	3845877	4.21E-04	4.31E-04	4.06E-04	1.46E-07	4.40E-07	2.55E-07	2.61E-07	2.36E-07	1.08E-07	1.02E-07	0.00E+00	0.00E+00	4.68E-08	8.85E-09	5.61E-08	8.66E-09	7.88E-09	1.28E-07	1.33E-07	4.87E-08	6.63E-08	2.48E-08	1.33E-07	4.87E-08
3080	481363.1	3845877	4.03E-04	4.13E-04	3.89E-04	1.39E-07	4.21E-07	2.44E-07	2.50E-07	2.26E-07	1.03E-07	9.74E-08	0.00E+00	0.00E+00	4.49E-08	8.48E-09	5.38E-08	8.29E-09	7.54E-09	1.23E-07	1.27E-07	4.66E-08	6.35E-08	2.37E-08	1.27E-07	4.66E-08
3081	481863.1	3845877	3.84E-04	3.93E-04	3.71E-04	1.33E-07	4.01E-07	2.32E-07	2.38E-07	2.16E-07	9.84E-08	9.28E-08	0.00E+00	0.00E+00	4.27E-08	8.07E-09	5.12E-08	7.90E-09	7.18E-09	1.17E-07	1.21E-07	4.44E-08	6.05E-08	2.26E-08	1.21E-07	4.44E-08
3082	482363.1	3845877	3.65E-04	3.73E-04	3.52E-04	1.26E-07	3.81E-07	2.21E-07	2.26E-07	2.05E-07	9.34E-08	8.81E-08	0.00E+00	0.00E+00	4.06E-08	7.67E-09	4.87E-08	7.50E-09	6.83E-09	1.11E-07	1.15E-07	4.22E-08	5.74E-08	2.15E-08	1.15E-07	4.22E-08
3083	482863.1	3845877	3.25E-04	3.33E-04	3.14E-04	1.12E-07	3.39E-07	1.96E-07	2.01E-07	1.82E-07	8.32E-08	7.85E-08	0.00E+00	0.00E+00	3.61E-08	6.83E-09	4.33E-08	6.68E-09	6.08E-09	9.91E-08	1.02E-07	3.76E-08	5.12E-08	1.91E-08	1.02E-07	3.76E-08
3084	483363.1	3845877	3.06E-04	3.13E-04	2.95E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.72E-07	7.83E-08	7.39E-08	0.00E+00	0.00E+00	3.40E-08	6.43E-09	4.08E-08	6.29E-09	5.72E-09	9.32E-08	9.64E-08	3.54E-08	4.81E-08	1.80E-08	9.64E-08	3.54E-08
3085	483863.1	3845877	3.29E-04	3.37E-04	3.18E-04	1.14E-07	3.44E-07	1.99E-07	2.04E-07	1.85E-07	8.44E-08	7.96E-08	0.00E+00	0.00E+00	3.66E-08	6.92E-09	4.39E-08	6.77E-09	6.16E-09	1.00E-07	1.04E-07	3.81E-08	5.18E-08	1.94E-08	1.04E-07	3.81E-08
3086	484363.1	3845877	3.26E-04	3.34E-04	3.15E-04	1.13E-07	3.41E-07	1.97E-07	2.02E-07	1.83E-07	8.36E-08	7.89E-08	0.00E+00	0.00E+00	3.63E-08	6.86E-09	4.35E-08	6.71E-09	6.11E-09	9.95E-08	1.03E-07	3.78E-08	5.14E-08	1.92E-08	1.03E-07	3.78E-08
3087	484863.1	3845877	3.19E-04	3.27E-04	3.08E-04	1.10E-07	3.33E-07	1.93E-07	1.98E-07	1.79E-07	8.17E-08	7.71E-08	0.00E+00	0.00E+00	3.55E-08	6.71E-09	4.26E-08	6.56E-09	5.97E-09	9.73E-08	1.01E-07	3.69E-08	5.02E-08	1.88E-08	1.01E-07	3.69E-08
3088	485363.1	3845877	3.07E-04	3.14E-04	2.97E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.87E-08	7.42E-08	0.00E+00	0.00E+00	3.42E-08	6.46E-09	4.10E-08	6.32E-09	5.75E-09	9.37E-08	9.69E-08	3.55E-08	4.84E-08	1.81E-08	9.69E-08	3.55E-08
3089	485863.1	3845877	3.07E-04	3.14E-04	2.97E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.87E-08	7.42E-08	0.00E+00	0.00E+00	3.42E-08	6.46E-09	4.10E-08	6.32E-09	5.75E-09	9.37E-08	9.69E-08	3.55E-08	4.84E-08	1.81E-08	9.69E-08	3.55E-08
3090	486363.1	3845877	3.03E-04	3.10E-04	2.92E-04	1.05E-07	3.16E-07	1.83E-07	1.88E-07	1.70E-07	7.76E-08	7.32E-08	0.00E+00	0.00E+00	3.37E-08	6.36E-09	4.04E-08	6.23E-09	5.66E-09	9.23E-08	9.55E-08	3.50E-08	4.77E-08	1.78E-08	9.55E-08	3.50E-08
3091	486863.1	3845877	2.91E-04	2.98E-04	2.81E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.45E-08	7.03E-08	0.00E+00	0.00E+00	3.24E-08	6.12E-09	3.88E-08	5.98E-09	5.44E-09	8.87E-08	9.18E-08	3.37E-08	4.58E-08	1.71E-08	9.18E-08	3.37E-08
3092	487363.1	3845877	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	0.00E+00	0.00E+00	3.19E-08	6.02E-09	3.82E-08	5.89E-09	5.36E-09	8.74E-08	9.04E-08	3.31E-08	4.51E-08	1.69E-08	9.04E-08	3.31E-08
3093	487863.1	3845877	2.76E-04	2.83E-04	2.67E-04	9.55E-08	2.88E-07	1.67E-07	1.71E-07	1.55E-07	7.07E-08	6.67E-08	0.00E+00	0.00E+00	3.07E-08	5.81E-09	3.68E-08	5.68E-09	5.17E-09	8.42E-08	8.71E-08	3.19E-08	4.35E-08	1.62E-08	8.71E-08	3.19E-08
3094	488363.1	3845877	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	0.00E+00	0.00E+00	3.01E-08	5.68E-09	3.61E-08	5.56E-09	5.06E-09	8.24E-08	8.52E-08	3.13E-08	4.25E-08	1.59E-08	8.52E-08	3.13E-08
3095	488863.1	3845877	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	0.00E+00	0.00E+00	3.15E-08	5.96E-09	3.78E-08	5.83E-09	5.31E-09	8.65E-08	8.94E-08	3.28E-08	4.46E-08	1.67E-08	8.94E-08	3.28E-08
3096	489363.1	3845877	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	0.00E+00	0.00E+00	3.12E-08	5.90E-09	3.74E-08	5.77E-09	5.25E-09	8.56E-08	8.85E-08	3.25E-08	4.42E-08	1.65E-08	8.85E-08	3.25E-08
3097	489863.1	3845877	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	0.00E+00	0.00E+00	3.02E-08	5.71E-09	3.62E-08	5.59E-09	5.08E-09	8.29E-08	8.57E-08	3.14E-08	4.28E-08	1.60E-08	8.57E-08	3.14E-08
3098	490363.1	3845877	2.58E-04	2.65E-04	2.50E-04	8.94E-08	2.70E-07	1.56E-07	1.60E-07	1.45E-07	6.62E-08	6.24E-08	0.00E+00	0.00E+00	2.88E-08	5.43E-09	3.45E-08	5.32E-09	4.84E-09	7.88E-08	8.15E-08	2.99E-08	4.07E-08	1.52E-08	8.15E-08	2.99E-08
3099	490863.1	3845877	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	0.00E+00	0.00E+00	2.60E-08	4.91E-09	3.11E-08	4.80E-09	4.37E-09	7.12E-08	7.36E-08	2.70E-08	3.67E-08	1.37E-08	7.36E-08	2.70E-08
3100	491363.1	3845877	2.45E-04	2.51E-04	2.37E-04	8.48E-08	2.56E-07	1.48E-07	1.52E-07	1.38E-07	6.28E-08	5.92E-08	0.00E+00	0.00E+00	2.73E-08	5.15E-09	3.27E-08	5.04E-09	4.59E-09	7.48E-08	7.73E-08	2.84E-08	3.86E-08	1.44E-08	7.73E-08	2.84E-08
3101	491863.1	3845877	2.49E-04	2.55E-04	2.41E-04	8.63E-08	2.61E-07	1.51E-07	1.55E-07	1.40E-07	6.39E-08	6.03E-08	0.00E+00	0.00E+00	2.78E-08	5.25E-09	3.33E-08	5.13E-09	4.67E-09	7.61E-08	7.87E-08	2.89E-08	3.93E-08	1.47E-08	7.87E-08	2.89E-08

3102	492363.1	3845877	2.32E-04	2.37E-04	2.24E-04	8.02E-08	2.42E-07	1.40E-07	1.44E-07	1.30E-07	5.94E-08	5.60E-08	0.00E+00	0.00E+00	2.58E-08	4.87E-09	3.09E-08	4.77E-09	4.34E-09	7.07E-08	7.31E-08	2.68E-08	3.65E-08	1.36E-08	7.31E-08	2.68E-08
3103	492863.1	3845877	2.48E-04	2.54E-04	2.40E-04	8.58E-08	2.59E-07	1.50E-07	1.54E-07	1.39E-07	6.36E-08	6.00E-08	0.00E+00	0.00E+00	2.76E-08	5.22E-09	3.31E-08	5.10E-09	4.64E-09	7.57E-08	7.83E-08	2.87E-08	3.91E-08	1.46E-08	7.83E-08	2.87E-08
3104	493363.1	3845877	2.52E-04	2.58E-04	2.44E-04	8.74E-08	2.64E-07	1.53E-07	1.56E-07	1.42E-07	6.47E-08	6.10E-08	0.00E+00	0.00E+00	2.81E-08	5.31E-09	3.37E-08	5.19E-09	4.73E-09	7.70E-08	7.97E-08	2.92E-08	3.98E-08	1.49E-08	7.97E-08	2.92E-08
3105	493863.1	3845877	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	0.00E+00	0.00E+00	2.84E-08	5.37E-09	3.41E-08	5.26E-09	4.78E-09	7.79E-08	8.06E-08	2.96E-08	4.02E-08	1.50E-08	8.06E-08	2.96E-08
3106	494363.1	3845877	2.57E-04	2.63E-04	2.48E-04	8.89E-08	2.68E-07	1.55E-07	1.59E-07	1.44E-07	6.58E-08	6.21E-08	0.00E+00	0.00E+00	2.86E-08	5.40E-09	3.43E-08	5.29E-09	4.81E-09	7.84E-08	8.11E-08	2.97E-08	4.05E-08	1.51E-08	8.11E-08	2.97E-08
3107	494863.1	3845877	2.57E-04	2.63E-04	2.48E-04	8.89E-08	2.68E-07	1.55E-07	1.59E-07	1.44E-07	6.58E-08	6.21E-08	0.00E+00	0.00E+00	2.86E-08	5.40E-09	3.43E-08	5.29E-09	4.81E-09	7.84E-08	8.11E-08	2.97E-08	4.05E-08	1.51E-08	8.11E-08	2.97E-08
3108	495363.1	3845877	2.58E-04	2.65E-04	2.50E-04	8.94E-08	2.70E-07	1.56E-07	1.60E-07	1.45E-07	6.62E-08	6.24E-08	0.00E+00	0.00E+00	2.88E-08	5.43E-09	3.45E-08	5.32E-09	4.84E-09	7.88E-08	8.15E-08	2.99E-08	4.07E-08	1.52E-08	8.15E-08	2.99E-08
3109	495863.1	3845877	2.60E-04	2.66E-04	2.51E-04	8.99E-08	2.71E-07	1.57E-07	1.61E-07	1.46E-07	6.66E-08	6.28E-08	0.00E+00	0.00E+00	2.89E-08	5.46E-09	3.47E-08	5.35E-09	4.86E-09	7.93E-08	8.20E-08	3.01E-08	4.09E-08	1.53E-08	8.20E-08	3.01E-08
3110	496363.1	3845877	2.61E-04	2.68E-04	2.52E-04	9.04E-08	2.73E-07	1.58E-07	1.62E-07	1.47E-07	6.70E-08	6.32E-08	0.00E+00	0.00E+00	2.91E-08	5.50E-09	3.49E-08	5.38E-09	4.89E-09	7.97E-08	8.24E-08	3.02E-08	4.12E-08	1.54E-08	8.24E-08	3.02E-08
3111	496863.1	3845877	2.60E-04	2.66E-04	2.51E-04	8.99E-08	2.71E-07	1.57E-07	1.61E-07	1.46E-07	6.66E-08	6.28E-08	0.00E+00	0.00E+00	2.89E-08	5.46E-09	3.47E-08	5.35E-09	4.86E-09	7.93E-08	8.20E-08	3.01E-08	4.09E-08	1.53E-08	8.20E-08	3.01E-08
3112	497363.1	3845877	2.60E-04	2.66E-04	2.51E-04	8.99E-08	2.71E-07	1.57E-07	1.61E-07	1.46E-07	6.66E-08	6.28E-08	0.00E+00	0.00E+00	2.89E-08	5.46E-09	3.47E-08	5.35E-09	4.86E-09	7.93E-08	8.20E-08	3.01E-08	4.09E-08	1.53E-08	8.20E-08	3.01E-08
3113	497863.1	3845877	2.58E-04	2.65E-04	2.50E-04	8.94E-08	2.70E-07	1.56E-07	1.60E-07	1.45E-07	6.62E-08	6.24E-08	0.00E+00	0.00E+00	2.88E-08	5.43E-09	3.45E-08	5.32E-09	4.84E-09	7.88E-08	8.15E-08	2.99E-08	4.07E-08	1.52E-08	8.15E-08	2.99E-08
3114	498363.1	3845877	2.57E-04	2.63E-04	2.48E-04	8.89E-08	2.68E-07	1.55E-07	1.59E-07	1.44E-07	6.58E-08	6.21E-08	0.00E+00	0.00E+00	2.86E-08	5.40E-09	3.43E-08	5.29E-09	4.81E-09	7.84E-08	8.11E-08	2.97E-08	4.05E-08	1.51E-08	8.11E-08	2.97E-08
3115	471363.1	3846377	1.00E-02	1.03E-02	9.69E-03	3.47E-06	1.05E-05	6.07E-06	6.21E-06	5.63E-06	2.57E-06	2.42E-06	0.00E+00	0.00E+00	1.12E-06	2.11E-07	1.34E-06	2.06E-07	1.88E-07	3.06E-06	3.17E-06	1.16E-06	1.58E-06	5.90E-07	3.17E-06	1.16E-06
3116	471863.1	3846377	8.47E-03	8.67E-03	8.18E-03	2.93E-06	8.85E-06	5.12E-06	5.25E-06	4.76E-06	2.17E-06	2.05E-06	0.00E+00	0.00E+00	9.43E-07	1.78E-07	1.13E-06	1.74E-07	1.59E-07	2.58E-06	2.67E-06	9.80E-07	1.33E-06	4.99E-07	2.67E-06	9.80E-07
3117	472363.1	3846377	2.58E-03	2.64E-03	2.49E-03	8.92E-07	2.69E-06	1.56E-06	1.60E-06	1.45E-06	6.61E-07	6.23E-07	0.00E+00	0.00E+00	2.87E-07	5.42E-08	3.44E-07	5.30E-08	4.82E-08	7.86E-07	8.13E-07	2.98E-07	4.06E-07	1.52E-07	8.13E-07	2.98E-07
3118	472863.1	3846377	1.79E-03	1.83E-03	1.73E-03	6.19E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.59E-07	4.33E-07	0.00E+00	0.00E+00	1.99E-07	3.76E-08	2.39E-07	3.68E-08	3.35E-08	5.46E-07	5.65E-07	2.07E-07	2.82E-07	1.05E-07	5.65E-07	2.07E-07
3119	473363.1	3846377	1.41E-03	1.44E-03	1.36E-03	4.88E-07	1.47E-06	8.53E-07	8.73E-07	7.92E-07	3.61E-07	3.41E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.90E-08	2.64E-08	4.30E-07	4.45E-07	1.63E-07	2.22E-07	8.30E-08	4.45E-07	1.63E-07
3120	473863.1	3846377	1.26E-03	1.29E-03	1.22E-03	4.37E-07	1.32E-06	7.64E-07	7.82E-07	7.09E-07	3.23E-07	3.05E-07	0.00E+00	0.00E+00	1.40E-07	2.65E-08	1.68E-07	2.60E-08	2.36E-08	3.85E-07	3.98E-07	1.46E-07	1.99E-07	7.43E-08	3.98E-07	1.46E-07
3121	474363.1	3846377	1.14E-03	1.17E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	7.07E-07	6.41E-07	2.92E-07	2.76E-07	0.00E+00	0.00E+00	1.27E-07	2.40E-08	1.52E-07	2.35E-08	2.14E-08	3.48E-07	3.60E-07	1.32E-07	1.80E-07	6.72E-08	3.60E-07	1.32E-07
3122	474863.1	3846377	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.48E-07	6.64E-07	6.02E-07	2.75E-07	2.59E-07	0.00E+00	0.00E+00	1.19E-07	2.25E-08	1.43E-07	2.21E-08	2.01E-08	3.27E-07	3.38E-07	1.24E-07	1.69E-07	6.31E-08	3.38E-07	1.24E-07
3123	475363.1	3846377	9.96E-04	1.02E-03	9.62E-04	3.45E-07	1.04E-06	6.03E-07	6.17E-07	5.60E-07	2.55E-07	2.41E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.33E-07	2.05E-08	1.87E-08	3.04E-07	3.14E-07	1.15E-07	1.57E-07	5.86E-08	3.14E-07	1.15E-07
3124	475863.1	3846377	9.40E-04	9.63E-04	9.08E-04	3.25E-07	9.83E-07	5.69E-07	5.83E-07	5.28E-07	2.41E-07	2.27E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.25E-07	1.94E-08	1.76E-08	2.87E-07	2.97E-07	1.09E-07	1.48E-07	5.53E-08	2.97E-07	1.09E-07
3125	476363.1	3846377	8.63E-04	8.84E-04	8.34E-04	2.99E-07	9.02E-07	5.22E-07	5.35E-07	4.85E-07	2.21E-07	2.09E-07	0.00E+00	0.00E+00	9.61E-08	1.82E-08	1.15E-07	1.78E-08	1.62E-08	2.63E-07	2.72E-07	9.99E-08	1.36E-07	5.08E-08	2.72E-07	9.99E-08
3126	476863.1	3846377	7.98E-04	8.18E-04	7.71E-04	2.76E-07	8.35E-07	4.83E-07	4.95E-07	4.49E-07	2.05E-07	1.93E-07	0.00E+00	0.00E+00	8.89E-08	1.68E-08	1.07E-07	1.64E-08	1.49E-08	2.44E-07	2.52E-07	9.24E-08	1.26E-07	4.70E-08	2.52E-07	9.24E-08
3127	477363.1	3846377	7.41E-04	7.59E-04	7.16E-04	2.56E-07	7.74E-07	4.48E-07	4.59E-07	4.16E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.25E-08	1.56E-08	9.89E-08	1.53E-08	1.39E-08	2.26E-07	2.34E-07	8.58E-08	1.17E-07	4.36E-08	2.34E-07	8.58E-08
3128	477863.1	3846377	6.83E-04	7.00E-04	6.60E-04	2.37E-07	7.14E-07	4.13E-07	4.23E-07	3.84E-07	1.75E-07	1.65E-07	0.00E+00	0.00E+00	7.61E-08	1.44E-08	9.12E-08	1.41E-08	1.28E-08	2.09E-07	2.16E-07	7.91E-08	1.08E-07	4.02E-08	2.16E-07	7.91E-08
3129	478363.1	3846377	6.42E-04	6.58E-04	6.20E-04	2.22E-07	6.71E-07	3.88E-07	3.98E-07	3.61E-07	1.65E-07	1.55E-07	0.00E+00	0.00E+00	7.15E-08	1.35E-08	8.57E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.43E-08	1.01E-07	3.78E-08	2.03E-07	7.43E-08
3130	478863.1	3846377	6.18E-04	6.33E-04	5.97E-04	2.14E-07	6.46E-07	3.74E-07	3.83E-07	3.47E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.88E-08	1.30E-08	8.25E-08	1.27E-08	1.16E-08	1.89E-07	1.95E-07	7.16E-08	9.74E-08	3.64E-08	1.95E-07	7.16E-08
3131	479363.1	3846377	5.90E-04	6.05E-04	5.70E-04	2.04E-07	6.17E-07	3.57E-07	3.66E-07	3.32E-07	1.51E-07	1.43E-07	0.00E+00	0.00E+00	6.57E-08	1.24E-08	7.88E-08	1.22E-08	1.11E-08	1.80E-07	1.86E-07	6.83E-08	9.30E-08	3.48E-08	1.86E-07	6.83E-08
3132	479863.1	3846377	5.59E-04	5.73E-04	5.40E-04	1.94E-07	5.85E-07	3.38E-07	3.47E-07	3.14E-07	1.43E-07	1.35E-07	0.00E+00	0.00E+00	6.23E-08	1.18E-08	7.47E-08	1.15E-08	1.05E-08	1.71E-07	1.77E-07	6.48E-08	8.81E-08	3.29E-08	1.77E-07	6.48E-08
3133	480363.1	3846377	5.40E-04	5.53E-04	5.22E-04	1.87E-07	5.65E-07	3.27E-07	3.35E-07	3.03E-07	1.38E-07	1.31E-07	0.00E+00	0.00E+00	6.01E-08	1.14E-08	7.21E-08	1.11E-08	1.01E-08	1.65E-07	1.70E-07	6.25E-08	8.51E-08	3.18E-08	1.70E-07	6.25E-08
3134	480863.1	3846377	4.97E-04	5.09E-04	4.81E-04	1.72E-07	5.20E-07	3.01E-07	3.08E-07	2.79E-07	1.27E-07	1.20E-07	0.00E+00	0.00E+00	5.54E-08	1.05E-08	6.64E-08	1.02E-08	9.31E-09	1.52E-07	1.57E-07	5.76E-08	7.84E-08	2.93E-08	1.57E-07	5.76E-08
3135	481363.1	3846377	4.77E-04	4.88E-04	4.61E-04	1.65E-07	4.98E-07	2.88E-07	2.95E-07	2.68E-07	1.22E-07	1.15E-07	0.00E+00	0.00E+00	5.31E-08	1.00E-08	6.36E-08	9.81E-09	8.93E-09	1.45E-07	1.50E-07	5.52E-08	7.51E-08	2.81E-08	1.50E-07	5.52E-08
3136	481863.1	3846377	4.50E-04	4.61E-04	4.35E-04	1.56E-07	4.70E-07	2.72E-07	2.79E-07	2.53E-07	1.15E-07	1.09E-07	0.00E+00	0.00E+00	5.01E-08	9.47E-09	6.01E-08	9.27E-09	8.43E-09	1.37E-07	1.42E-07	5.21E-08	7.09E-08	2.65E-08	1.42E-07	5.21E-08
3137	482363.1	3846377	4.22E-04	4.32E-04	4.08E-04	1.46E-07	4.41E-07	2.55E-07	2.62E-07	2.37E-07	1.08E-07	1.02E-07	0.00E+00	0.00E+00	4.70E-08	8.88E-09	5.63E-08	8.69E-09	7.90E-09	1.29E-07	1.33E-07	4.89E-08	6.65E-08	2.48E-08	1.33E-07	4.89E-08
3138	482863.1	3846377	3.85E-04	3.95E-04	3.72E-04	1.33E-07	4.03E-07	2.33E-07	2.39E-07	2.16E-07	9.87E-08	9.31E-08	0.00E+00	0.00E+00	4.29E-08	8.10E-09	5.14E-08	7.93E-09	7.21E-09	1.18E-07	1.22E-07	4.46E-08	6.07E-08	2.27E-08	1.22E-07	4.46E-08
3139	483363.1	3846377	3.88E-04	3.98E-04	3.75E-04	1.34E-07	4.06E-07	2.35E-07	2.41E-07	2.18E-07	9.95E-08	9.39E-08	0.00E+00	0.00E+00	4.32E-08	8.16E-09	5.18E-08	7.99E-09	7.27E-09	1.18E-07	1.23E-07	4.49E-08	6.11E-08	2.29E-08	1.23E-07	4.49E-08
3140	483863.1	3846377	3.78E-04	3.87E-04	3.65E-04	1.31E-07	3.95E-07	2.29E-07	2.34E-07	2.12E-07	9.69E-08	9.14E-08	0.00E+00	0.00E+00	4.21E-08	7.95E-09	5.04E-08	7.78E-09	7.07E-09	1.15E-07	1.19E-07	4.37E-08	5.95E-08	2.22E-08	1.19E-07	4.37E-08
3141	484363.1	3846377	3.57E-04	3.66E-04	3.45E-04	1.24E-07	3.73E-07	2.16E-07	2.21E-07	2.01E-07	9.16E-08	8.64E-08	0.00E+00	0.00E+00	3.98E-08	7.51E-09	4.77E-08	7.35E-09	6.69E-09	1.09E-07	1.13E-07	4.13E-08	5.63E-08	2.10E-08	1.13E-07	4.13E-08
3142	484863.1	3846377	3.66E-04	3.75E-04	3.54E-04	1.27E-07	3.83E-07	2.21E-07	2.27E-07	2.06E-07	9.38E-08	8.85E-08	0.00E+00	0.00E+00	4.07E-08	7.70E-09	4.89E-08	7.53E-09	6.85E-09	1.12E-07	1.16E-07	4.24E-08	5.77E-08	2.15E-08	1.16E-07	4.24E-08
3143	485363.1	3846377	3.62E-04	3.70E-04	3.49E-04	1.25E-07	3.78E-07	2.19E-07	2.24E-07	2.03E-07	9.27E-08	8.74E-08	0.00E+00	0.00E+00	4.03E-08	7.61E-09	4.83E-08	7.44E-09	6.77E-09	1.10E-07	1.14E-07	4.19E-08	5.70E-08	2.13E-08	1.14E-07	4.19E-08
3144	485863.1	3846377	3.47E-04	3.55E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.15E-07	1.95E-07	8.89E-08	8.39E-08	0.00E+00	0.00E+00	3.86E-08	7.30E-09	4.63E-08	7.14E-09	6.49E-09	1.06E-07	1.09E-07	4.01E-08	5.46E-08	2.04E-08	1.09E-07	4.01E-08
3145	486363.1	3846377	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	0.00E+00	0.00E+00	3.57E-08	6.74E-09	4.27E-08	6.59E-09	6.00E-09	9.77E-08	1.01E-07	3.71E-08	5.05E-08	1.89E-08	1.01E-07	3.71E-08
3146	486863.1	3846377	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	0.00E+00	0.00E+00	3.45E-08	6.52E-09	4.14E-08	6.38E-09	5.80E-09	9.46E-08	9.78E-08	3.59E-08	4.88E-08	1.82E-08	9.78E-08	3.59E-08
3147	487363.1	3846377	3.11E-04	3.19E-04	3.01E-04	1.08E-07	3.25E-07	1.88E-07	1.93E-07	1.75E-07	7.98E-08	7.53E-08	0.00E+00	0.00E+00	3.47E-08	6.55E-09	4.16E-08	6.41E-09	5.83E-09	9.50E-08	9.83E-08	3.60E-08	4.91E-08	1.83E-08	9.83E-08	3.60E-08
3148	487863.1	3846377	3.22E-04	3.30E-04	3.11E-04	1.11E-07	3.36E-07	1.95E-07	1.99E-07	1.81E-07	8.25E-08	7.78E-08	0.00E+00	0.00E+00	3.58E-08	6.77E-09	4.29E-08	6.62E-09	6.02E-09	9.82E-08	1.02E-07	3.72E-08	5.07E-08	1.89E-08	1.02E-07	3.72E-08
3149	488363.1	3846377	3.14E-04	3.22E-04	3.04E-04	1.09E-07	3.29E-07	1.90E-07	1.95E-07	1.77E-07	8.06E-08	7.60E-08	0.00E+00	0.00E+00	3.50E-08	6.61E-09	4.20E-08	6.47E-09	5.89E-09	9.59E-08	9.92E-08	3.64E-08	4.95E-08	1.85E-08	9.92E-08	3.64E-08
3150	488863.1	3846377	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	0.00E+00	0.00E+00	3.45E-08	6.52E-09	4.14E-08	6.38E-09	5.80E-09	9.46E-08	9.78E-08	3.59E-08	4.88E-08	1.82E-08	9.78E-08	3.59E-08
3151	489363.1	3846377	3.06E-04	3.13E-04	2.95E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.72E-07	7.83E-08	7.39E-08	0.00E+00	0.00E+00	3.40E-08	6.43E-09	4.08E-08	6.29E-09	5.72E-09	9.32E-08	9.64E-08	3.54E-08	4.81E-08	1.80E-08	9.64E-08	3.54E-08
3152	489863.1	3846377	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	0.00E+00	0.00E+00	3.29E-08	6.21E-09	3.94E-08	6.08E-09	5.53E-09	9.01E-08	9.32E-08	3.42E-08	4.65E-08	1.74E-08	9.32E-08	3.42E-08
3153	490363.1	3846377	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	0.00E+00	0.00E+00	3.01E-08	5.68E-09	3.61E-08	5.56E-09	5.06E-09	8.24E-08	8.52E-08	3.13E-08	4.25E-08	1.59E-08	8.52E-08	3.13E-08
3154	490863.1	3846377	2.58E-04	2.65E-04	2.50E-04	8.94E-08	2.70E-07	1.56E-07	1.60E-07	1.45E-07	6.62E-08	6.24E-08	0.00E+00	0.00E+00	2.88E-08	5.43E-09	3.45E-08	5.32E-09	4.84E-09	7.88E-08	8.15E-08	2.99E-08	4.07E-08	1.52E-08	8.15E-08	2.99E-08
3155	491363.1	3846377	2.54E-04	2.60E-04	2.45E-04	8.79E-08	2.65E-07	1.54E-07	1.57E-07	1.43E-07	6.51E-08	6.14E-08	0.00E+00	0.00E+00	2.83E-08	5.34E-09	3.39E-08	5.23E-09	4.75E-09	7.75E-08	8.01E-08	2.94E-08	4.00E-08	1.49E-08	8.01E-08	2.94E-08
3156	491863.1	3846377	2.69E-04	2.75E-04	2.60E-04	9.30E-08	2.81E-07	1.63E-07	1.66E-07	1.51E-07	6.89E-08	6.49E-08	0.00E+00	0.00E+00	2.99E-08	5.65E-09	3.59E-08	5.53E-09	5.03E-09	8.20E-08	8.48E-08	3.11E-08	4.23E-08	1.58E-08	8.48E-08	3.11E-08
3157	492363.1	3846377	2.61E-04	2.68E-04	2.52E-04	9.04E-08	2.73E-07	1.58E-07	1.62E-07	1.47E-07	6.70E-08	6.32E-08	0.00E+00	0.00E+00	2.91E-08	5.50E-09	3.49E-08	5.38E-09	4.89E-09	7.97E-08	8.24E-08	3.02E-08	4.12E-08	1.54E-08	8.24E-08	3.02E-08
3158	492863.1	3846377	2.61E-04	2.68E-04	2.52E-04	9.04E-08	2.73E-07	1.58E-07	1.62E-07	1.47E-07	6.70E-08	6.32E-08	0.00E+00	0.00E+00	2.91E-08	5.50E-09	3.49E-08	5.38E-09	4.89E-09	7.97E-08	8.24E-08	3.02E-08	4.12E-08	1.54E-08	8.24E-08	3.02E-08
3159	493363.1	3846377	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	0.00E+00	0.00E+00	3.01E-08	5.68E-09	3.61E-08	5.56E-09	5.06E-09	8.24E-08	8.52E-08	3.13E-08	4.25E-08	1.59E-08	8.52E-08	3.13E-08
3160	493863.1	3846377	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	0.00E+00	0.00E+00	3.02E-08	5.71E-09	3.62E-08	5.59E-09	5.08E-09	8.29E-08	8.57E-08	3.14E-08	4.28E-08	1.60E-08	8.57E-08	3.14E-08
3161	494363.1	3846377	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	0.00E+00	0.00E+00	3.02E-08	5.71E-09	3.62E-08	5.59E-09	5.08E-09	8.29E-08	8.57E-08	3.14E-08	4.28E-08	1.60E-08	8.57E-08	3.14E-08
3162	494863.1	3846377	2.73E-04	2.80E-04	2.64E-04	9.45E-08	2.85E-07	1.65E-07	1.69E-07	1.53E-07	7.00E-08	6.60E-08	0.00E+00	0.00E+00	3.04E-08	5.74E-09	3.64E-08	5.62E-09	5.11E-09	8.33E-08	8.62E-08	3.16E-08	4.30E-08	1.61E-08	8.62E-08	3.16E-08
3163	495363.1	3846377	2.73E-04	2.80E-04	2.64E-04	9.45E-08	2.85E-07	1.65E-07	1.69E-07	1.53E-07	7.00E-08	6.60E-08	0.00E+00	0.00E+00	3.04E-08	5.74E-09	3.64E-08	5.62E-09	5.11E-09	8.33E-08	8.62E-08	3.16E-08	4.30E-08	1.61E-08	8.62E-08	3.16E-08
3164	495863.1	3846377	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	0.00E+00	0.00E+00	3.06E-08	5.77E-09	3.66E-08	5.65E-09	5.14E-09	8.38E-08	8.66E-08	3.18E-08	4.32E-08	1.62E-08	8.66E-08	3.18E-08
3165	496363.1	3846377	2.76E-04	2.83E-04	2.67E-04	9.55E-08	2.88E-07	1.67E-07	1.71E-07	1.55E-07	7.07E-08	6.67E-08	0.00E+00	0.00E+00	3.07E-08	5.81E-09	3.68E-08	5.68E-09	5.17E-09	8.42E-08	8.71E-08	3.19E-08	4.35E-08	1.62E-08	8.71E-08	3.19E-08
3166	496863.1	3846377	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	0.00E+00	0.00E+00	3.06E-08	5.77E-09	3.66E-08	5.65E-09	5.14E-09	8.38E-08	8.66E-08	3.18E-08	4.32E-08	1.62E-08	8.66E-08	3.18E-08
3167	497363.1	3846377	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	0.00E+00	0.00E+00	3.06E-08	5.77E-09	3.66E-08	5.65E-09	5.14E-09	8.38E-08	8.66E-08	3.18E-08	4.32E-08	1.62E-08	8.66E-08	3.18E-08
3168	497863.1	3846377	2.73E-04	2.80E-04	2.64E-04	9.45E-08	2.85E-07	1.65E-07	1.69E-07	1.53E-07	7.00E-08	6.60E-08	0.00E+00	0.00E+00	3.04E-08	5.74E-09	3.64E-08	5.62E-09	5.11E-09	8.33E-08	8.62E-08	3.16E-08	4.30E-08	1.61E-08	8.62E-08	3.16E-08
3169	498363.1	3846377	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	0.00E+00	0.00E+00	3.01E-08	5.68E-09	3.61E-08	5.56E-09	5.06E-09	8.24E-08	8.52E-08	3.13E-08	4.25E-08	1.59E-08	8.52E-08	3.13E-08
3170	471363.1	3846877	1.38E-03	1.41E-03	1.33E-03	4.76E-07	1.44E-06	8.32E-07	8.52E-07	7.73E-07	3.53E-07	3.33E-07	0.00E+00	0.00E+00	1.53E-07	2.89E-08	1.84E-07	2.83E-08	2.58E-08	4.20E-07	4.34E-07	1.59E-07	2.17E-07	8.10E-08	4.34E-07	1.59E-07
3171	471863.1	3846877	2.92E-03	2.99E-03	2.82E-03	1.01E-06	3.05E-06	1.77E-06	1.81E-06	1.64E-06	7.49E-07	7.07E-07	0.00E+00	0.00E+00	3.25E-07	6.15E-08	3.90E-07	6.02E-08	5.47E-08	8.92E-07	9.22E-07	3.38E-07	4.60E-07	1.72E-07	9.22E-07	3.38E-07
3172	472363.1	3846877	3.71E-02	3.80E-02	3.59E-02	1.29E-05	3.88E-05	2.25E-05	2.30E-05	2.09E-05	9.52E-06	8.98E-06	0.00E+00	0.00E+00	4.13E-06	7.81E-07	4.96E-06	7.64E-07	6.95E-07	1.13E-05	1.17E-05	4.30E-06	5.85E-06	2.19E-06	1.17E-05	4.30E-06
3173	472863.1	3846877	4.45E-03	4.55E-03	4.29E-03	1.54E-06	4.65E-06	2.69E-06	2.75E-06	2.50E-06	1.14E-06	1.07E-06	0.00E+00	0.00E+00	4.95E-07	9.35E-08	5.93E-07	9.15E-08	8.32E-08	1.36E-06	1.40E-06	5.15E-07	7.00E-07	2.62E-07	1.40E-06	5.15E-07
3174	473363.1	3846877	2.74E-03	2.81E-03	2.65E-03	9.50E-07	2.87E-06	1.66E-06	1.70E-06	1.54E-06	7.03E-07	6.63E-07	0.00E+00	0.00E+00	3.05E-07	5.77E-08	3.66E-07	5.65E-08	5.14E-08	8.37E-07	8.66E-07	3.18E-07	4.32E-07	1.62E-07	8.66E-07	3.18E-07
3175	473863.1	3846877	2.22E-03	2.27E-03	2.14E-03	7.68E-07	2.32E-06	1.34E-06	1.37E-06	1.25E-06	5.69E-07	5.36E-07	0.00E+00	0.00E+00	2.47E-07	4.67E-08	2.96E-07	4.57E-08	4.15E-08	6.77E-07	7.00E-07	2.57E-07	3.49E-07	1.31E-07	7.00E-07	2.57E-07

3176	474363.1	3846877	1.78E-03	1.82E-03	1.72E-03	6.16E-07	1.86E-06	1.08E-06	1.10E-06	9.99E-07	4.56E-07	4.30E-07	0.00E+00	0.00E+00	1.98E-07	3.74E-08	2.37E-07	3.66E-08	3.33E-08	5.43E-07	5.61E-07	2.06E-07	2.80E-07	1.05E-07	5.61E-07	2.06E-07
3177	474863.1	3846877	1.51E-03	1.54E-03	1.46E-03	5.22E-07	1.58E-06	9.13E-07	9.35E-07	8.47E-07	3.87E-07	3.65E-07	0.00E+00	0.00E+00	1.68E-07	3.17E-08	2.01E-07	3.10E-08	2.82E-08	4.60E-07	4.76E-07	1.75E-07	2.38E-07	8.88E-08	4.76E-07	1.75E-07
3178	475363.1	3846877	1.32E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.96E-07	8.15E-07	7.39E-07	3.37E-07	3.18E-07	0.00E+00	0.00E+00	1.46E-07	2.77E-08	1.76E-07	2.71E-08	2.46E-08	4.01E-07	4.15E-07	1.52E-07	2.07E-07	7.74E-08	4.15E-07	1.52E-07
3179	475863.1	3846877	1.24E-03	1.27E-03	1.19E-03	4.28E-07	1.29E-06	7.48E-07	7.66E-07	6.95E-07	3.17E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.60E-08	1.65E-07	2.55E-08	2.32E-08	3.77E-07	3.90E-07	1.43E-07	1.95E-07	7.28E-08	3.90E-07	1.43E-07
3180	476363.1	3846877	1.13E-03	1.16E-03	1.09E-03	3.92E-07	1.18E-06	6.85E-07	7.02E-07	6.36E-07	2.90E-07	2.74E-07	0.00E+00	0.00E+00	1.26E-07	2.38E-08	1.51E-07	2.33E-08	2.12E-08	3.45E-07	3.57E-07	1.31E-07	1.78E-07	6.66E-08	3.57E-07	1.31E-07
3181	476863.1	3846877	1.02E-03	1.05E-03	9.90E-04	3.55E-07	1.07E-06	6.20E-07	6.35E-07	5.75E-07	2.63E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.37E-07	2.11E-08	1.92E-08	3.13E-07	3.23E-07	1.19E-07	1.61E-07	6.03E-08	3.23E-07	1.19E-07
3182	477363.1	3846877	9.39E-04	9.61E-04	9.07E-04	3.25E-07	9.81E-07	5.68E-07	5.82E-07	5.27E-07	2.41E-07	2.27E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.93E-08	1.76E-08	2.86E-07	2.96E-07	1.09E-07	1.48E-07	5.53E-08	2.96E-07	1.09E-07
3183	477863.1	3846877	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	0.00E+00	0.00E+00	9.50E-08	1.79E-08	1.14E-07	1.76E-08	1.60E-08	2.60E-07	2.69E-07	9.87E-08	1.34E-07	5.02E-08	2.69E-07	9.87E-08
3184	478363.1	3846877	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	0.00E+00	0.00E+00	8.82E-08	1.67E-08	1.06E-07	1.63E-08	1.48E-08	2.42E-07	2.50E-07	9.17E-08	1.25E-07	4.67E-08	2.50E-07	9.17E-08
3185	478863.1	3846877	7.53E-04	7.71E-04	7.27E-04	2.61E-07	7.87E-07	4.55E-07	4.66E-07	4.23E-07	1.93E-07	1.82E-07	0.00E+00	0.00E+00	8.38E-08	1.58E-08	1.00E-07	1.55E-08	1.41E-08	2.30E-07	2.38E-07	8.71E-08	1.19E-07	4.43E-08	2.38E-07	8.71E-08
3186	479363.1	3846877	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	0.00E+00	0.00E+00	7.85E-08	1.48E-08	9.42E-08	1.45E-08	1.32E-08	2.15E-07	2.23E-07	8.17E-08	1.11E-07	4.15E-08	2.23E-07	8.17E-08
3187	479863.1	3846877	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	6.98E-08	1.32E-08	8.37E-08	1.29E-08	1.17E-08	1.91E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
3188	480363.1	3846877	5.73E-04	5.87E-04	5.53E-04	1.98E-07	5.99E-07	3.46E-07	3.55E-07	3.22E-07	1.47E-07	1.38E-07	0.00E+00	0.00E+00	6.37E-08	1.20E-08	7.64E-08	1.18E-08	1.07E-08	1.75E-07	1.81E-07	6.63E-08	9.02E-08	3.37E-08	1.81E-07	6.63E-08
3189	480863.1	3846877	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	0.00E+00	0.00E+00	6.00E-08	1.13E-08	7.19E-08	1.11E-08	1.01E-08	1.64E-07	1.70E-07	6.24E-08	8.49E-08	3.17E-08	1.70E-07	6.24E-08
3190	481363.1	3846877	5.31E-04	5.44E-04	5.13E-04	1.84E-07	5.55E-07	3.21E-07	3.29E-07	2.98E-07	1.36E-07	1.28E-07	0.00E+00	0.00E+00	5.91E-08	1.12E-08	7.09E-08	1.09E-08	9.95E-09	1.62E-07	1.68E-07	6.15E-08	8.37E-08	3.13E-08	1.68E-07	6.15E-08
3191	481863.1	3846877	5.11E-04	5.23E-04	4.93E-04	1.77E-07	5.34E-07	3.09E-07	3.16E-07	2.87E-07	1.31E-07	1.23E-07	0.00E+00	0.00E+00	5.68E-08	1.07E-08	6.82E-08	1.05E-08	9.56E-09	1.56E-07	1.61E-07	5.91E-08	8.04E-08	3.01E-08	1.61E-07	5.91E-08
3192	482363.1	3846877	4.71E-04	4.82E-04	4.55E-04	1.63E-07	4.92E-07	2.85E-07	2.92E-07	2.64E-07	1.21E-07	1.14E-07	0.00E+00	0.00E+00	5.24E-08	9.90E-09	6.28E-08	9.69E-09	8.81E-09	1.44E-07	1.49E-07	5.45E-08	7.42E-08	2.77E-08	1.49E-07	5.45E-08
3193	482863.1	3846877	4.55E-04	4.66E-04	4.39E-04	1.57E-07	4.75E-07	2.75E-07	2.82E-07	2.55E-07	1.17E-07	1.10E-07	0.00E+00	0.00E+00	5.06E-08	9.56E-09	6.07E-08	9.36E-09	8.51E-09	1.39E-07	1.43E-07	5.26E-08	7.16E-08	2.68E-08	1.43E-07	5.26E-08
3194	483363.1	3846877	4.41E-04	4.52E-04	4.26E-04	1.53E-07	4.61E-07	2.67E-07	2.73E-07	2.48E-07	1.13E-07	1.07E-07	0.00E+00	0.00E+00	4.91E-08	9.28E-09	5.89E-08	9.08E-09	8.26E-09	1.35E-07	1.39E-07	5.11E-08	6.95E-08	2.60E-08	1.39E-07	5.11E-08
3195	483863.1	3846877	4.28E-04	4.38E-04	4.13E-04	1.48E-07	4.47E-07	2.59E-07	2.65E-07	2.40E-07	1.10E-07	1.03E-07	0.00E+00	0.00E+00	4.76E-08	9.00E-09	5.71E-08	8.81E-09	8.01E-09	1.31E-07	1.35E-07	4.95E-08	6.74E-08	2.52E-08	1.35E-07	4.95E-08
3196	484363.1	3846877	4.22E-04	4.32E-04	4.08E-04	1.46E-07	4.41E-07	2.55E-07	2.62E-07	2.37E-07	1.08E-07	1.02E-07	0.00E+00	0.00E+00	4.70E-08	8.88E-09	5.63E-08	8.69E-09	7.90E-09	1.29E-07	1.33E-07	4.89E-08	6.65E-08	2.48E-08	1.33E-07	4.89E-08
3197	484863.1	3846877	4.09E-04	4.19E-04	3.95E-04	1.42E-07	4.27E-07	2.47E-07	2.53E-07	2.30E-07	1.05E-07	9.88E-08	0.00E+00	0.00E+00	4.55E-08	8.60E-09	5.46E-08	8.42E-09	7.65E-09	1.25E-07	1.29E-07	4.73E-08	6.44E-08	2.41E-08	1.29E-07	4.73E-08
3198	485363.1	3846877	4.03E-04	4.13E-04	3.89E-04	1.39E-07	4.21E-07	2.44E-07	2.50E-07	2.26E-07	1.03E-07	9.74E-08	0.00E+00	0.00E+00	4.49E-08	8.48E-09	5.38E-08	8.29E-09	7.54E-09	1.23E-07	1.27E-07	4.66E-08	6.35E-08	2.37E-08	1.27E-07	4.66E-08
3199	485863.1	3846877	3.88E-04	3.98E-04	3.75E-04	1.34E-07	4.06E-07	2.35E-07	2.41E-07	2.18E-07	9.95E-08	9.39E-08	0.00E+00	0.00E+00	4.32E-08	8.16E-09	5.18E-08	7.99E-09	7.27E-09	1.18E-07	1.23E-07	4.49E-08	6.11E-08	2.29E-08	1.23E-07	4.49E-08
3200	486363.1	3846877	3.90E-04	3.99E-04	3.76E-04	1.35E-07	4.07E-07	2.36E-07	2.41E-07	2.19E-07	9.99E-08	9.42E-08	0.00E+00	0.00E+00	4.34E-08	8.20E-09	5.20E-08	8.02E-09	7.29E-09	1.19E-07	1.23E-07	4.51E-08	6.14E-08	2.29E-08	1.23E-07	4.51E-08
3201	486863.1	3846877	3.60E-04	3.69E-04	3.48E-04	1.25E-07	3.76E-07	2.18E-07	2.23E-07	2.02E-07	9.23E-08	8.71E-08	0.00E+00	0.00E+00	4.01E-08	7.58E-09	4.81E-08	7.41E-09	6.74E-09	1.10E-07	1.14E-07	4.17E-08	5.67E-08	2.12E-08	1.14E-07	4.17E-08
3202	487363.1	3846877	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	0.00E+00	0.00E+00	3.99E-08	7.54E-09	4.79E-08	7.38E-09	6.71E-09	1.09E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
3203	487863.1	3846877	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	0.00E+00	0.00E+00	3.93E-08	7.42E-09	4.71E-08	7.26E-09	6.60E-09	1.08E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
3204	488363.1	3846877	3.42E-04	3.51E-04	3.31E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.78E-08	8.28E-08	0.00E+00	0.00E+00	3.81E-08	7.20E-09	4.57E-08	7.05E-09	6.41E-09	1.04E-07	1.08E-07	3.96E-08	5.39E-08	2.02E-08	1.08E-07	3.96E-08
3205	488863.1	3846877	3.38E-04	3.46E-04	3.27E-04	1.17E-07	3.53E-07	2.04E-07	2.09E-07	1.90E-07	8.66E-08	8.17E-08	0.00E+00	0.00E+00	3.76E-08	7.11E-09	4.51E-08	6.96E-09	6.33E-09	1.03E-07	1.07E-07	3.91E-08	5.32E-08	1.99E-08	1.07E-07	3.91E-08
3206	489363.1	3846877	3.34E-04	3.42E-04	3.22E-04	1.15E-07	3.49E-07	2.02E-07	2.07E-07	1.87E-07	8.55E-08	8.06E-08	0.00E+00	0.00E+00	3.71E-08	7.02E-09	4.45E-08	6.87E-09	6.24E-09	1.02E-07	1.05E-07	3.86E-08	5.25E-08	1.96E-08	1.05E-07	3.86E-08
3207	489863.1	3846877	3.22E-04	3.30E-04	3.11E-04	1.11E-07	3.36E-07	1.95E-07	1.99E-07	1.81E-07	8.25E-08	7.78E-08	0.00E+00	0.00E+00	3.58E-08	6.77E-09	4.29E-08	6.62E-09	6.02E-09	9.82E-08	1.02E-07	3.72E-08	5.07E-08	1.89E-08	1.02E-07	3.72E-08
3208	490363.1	3846877	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	0.00E+00	0.00E+00	3.34E-08	6.30E-09	4.00E-08	6.17E-09	5.61E-09	9.14E-08	9.46E-08	3.47E-08	4.72E-08	1.76E-08	9.46E-08	3.47E-08
3209	490863.1	3846877	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	0.00E+00	0.00E+00	3.22E-08	6.08E-09	3.86E-08	5.95E-09	5.42E-09	8.83E-08	9.13E-08	3.35E-08	4.56E-08	1.70E-08	9.13E-08	3.35E-08
3210	491363.1	3846877	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	0.00E+00	0.00E+00	3.19E-08	6.02E-09	3.82E-08	5.89E-09	5.36E-09	8.74E-08	9.04E-08	3.31E-08	4.51E-08	1.69E-08	9.04E-08	3.31E-08
3211	491863.1	3846877	2.76E-04	2.83E-04	2.67E-04	9.55E-08	2.88E-07	1.67E-07	1.71E-07	1.55E-07	7.07E-08	6.67E-08	0.00E+00	0.00E+00	3.07E-08	5.81E-09	3.68E-08	5.68E-09	5.17E-09	8.42E-08	8.71E-08	3.19E-08	4.35E-08	1.62E-08	8.71E-08	3.19E-08
3212	492363.1	3846877	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	0.00E+00	0.00E+00	3.22E-08	6.08E-09	3.86E-08	5.95E-09	5.42E-09	8.83E-08	9.13E-08	3.35E-08	4.56E-08	1.70E-08	9.13E-08	3.35E-08
3213	492863.1	3846877	2.88E-04	2.95E-04	2.78E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.62E-07	7.38E-08	6.96E-08	0.00E+00	0.00E+00	3.20E-08	6.05E-09	3.84E-08	5.92E-09	5.39E-09	8.78E-08	9.08E-08	3.33E-08	4.53E-08	1.69E-08	9.08E-08	3.33E-08
3214	493363.1	3846877	2.88E-04	2.95E-04	2.78E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.62E-07	7.38E-08	6.96E-08	0.00E+00	0.00E+00	3.20E-08	6.05E-09	3.84E-08	5.92E-09	5.39E-09	8.78E-08	9.08E-08	3.33E-08	4.53E-08	1.69E-08	9.08E-08	3.33E-08
3215	493863.1	3846877	2.88E-04	2.95E-04	2.78E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.62E-07	7.38E-08	6.96E-08	0.00E+00	0.00E+00	3.20E-08	6.05E-09	3.84E-08	5.92E-09	5.39E-09	8.78E-08	9.08E-08	3.33E-08	4.53E-08	1.69E-08	9.08E-08	3.33E-08
3216	494363.1	3846877	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	0.00E+00	0.00E+00	3.19E-08	6.02E-09	3.82E-08	5.89E-09	5.36E-09	8.74E-08	9.04E-08	3.31E-08	4.51E-08	1.69E-08	9.04E-08	3.31E-08
3217	494863.1	3846877	2.85E-04	2.92E-04	2.75E-04	9.86E-08	2.98E-07	1.72E-07	1.77E-07	1.60E-07	7.30E-08	6.89E-08	0.00E+00	0.00E+00	3.17E-08	5.99E-09	3.80E-08	5.86E-09	5.33E-09	8.69E-08	8.99E-08	3.30E-08	4.49E-08	1.68E-08	8.99E-08	3.30E-08
3218	495363.1	3846877	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	0.00E+00	0.00E+00	3.15E-08	5.96E-09	3.78E-08	5.83E-09	5.31E-09	8.65E-08	8.94E-08	3.28E-08	4.46E-08	1.67E-08	8.94E-08	3.28E-08
3219	495863.1	3846877	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	0.00E+00	0.00E+00	3.14E-08	5.93E-09	3.76E-08	5.80E-09	5.28E-09	8.60E-08	8.90E-08	3.26E-08	4.44E-08	1.66E-08	8.90E-08	3.26E-08
3220	496363.1	3846877	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	0.00E+00	0.00E+00	3.14E-08	5.93E-09	3.76E-08	5.80E-09	5.28E-09	8.60E-08	8.90E-08	3.26E-08	4.44E-08	1.66E-08	8.90E-08	3.26E-08
3221	496863.1	3846877	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	0.00E+00	0.00E+00	3.15E-08	5.96E-09	3.78E-08	5.83E-09	5.31E-09	8.65E-08	8.94E-08	3.28E-08	4.46E-08	1.67E-08	8.94E-08	3.28E-08
3222	497363.1	3846877	2.85E-04	2.92E-04	2.75E-04	9.86E-08	2.98E-07	1.72E-07	1.77E-07	1.60E-07	7.30E-08	6.89E-08	0.00E+00	0.00E+00	3.17E-08	5.99E-09	3.80E-08	5.86E-09	5.33E-09	8.69E-08	8.99E-08	3.30E-08	4.49E-08	1.68E-08	8.99E-08	3.30E-08
3223	497863.1	3846877	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	0.00E+00	0.00E+00	3.19E-08	6.02E-09	3.82E-08	5.89E-09	5.36E-09	8.74E-08	9.04E-08	3.31E-08	4.51E-08	1.69E-08	9.04E-08	3.31E-08
3224	498363.1	3846877	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	0.00E+00	0.00E+00	3.14E-08	5.93E-09	3.76E-08	5.80E-09	5.28E-09	8.60E-08	8.90E-08	3.26E-08	4.44E-08	1.66E-08	8.90E-08	3.26E-08
3225	471363.1	3847377	8.90E-04	9.12E-04	8.60E-04	3.08E-07	9.30E-07	5.38E-07	5.52E-07	5.00E-07	2.28E-07	2.15E-07	0.00E+00	0.00E+00	9.91E-08	1.87E-08	1.19E-07	1.83E-08	1.67E-08	2.72E-07	2.81E-07	1.03E-07	1.40E-07	5.24E-08	2.81E-07	1.03E-07
3226	471863.1	3847377	1.21E-03	1.24E-03	1.17E-03	4.20E-07	1.27E-06	7.35E-07	7.53E-07	6.82E-07	3.11E-07	2.94E-07	0.00E+00	0.00E+00	1.35E-07	2.56E-08	1.62E-07	2.50E-08	2.27E-08	3.71E-07	3.83E-07	1.41E-07	1.91E-07	7.15E-08	3.83E-07	1.41E-07
3227	472363.1	3847377	2.09E-03	2.14E-03	2.02E-03	7.24E-07	2.19E-06	1.27E-06	1.30E-06	1.18E-06	5.36E-07	5.06E-07	0.00E+00	0.00E+00	2.33E-07	4.40E-08	2.79E-07	4.31E-08	3.92E-08	6.39E-07	6.61E-07	2.42E-07	3.30E-07	1.23E-07	6.61E-07	2.42E-07
3228	472863.1	3847377	9.38E-03	9.61E-03	9.06E-03	3.25E-06	9.80E-06	5.68E-06	5.81E-06	5.27E-06	2.40E-06	2.27E-06	0.00E+00	0.00E+00	1.04E-06	1.97E-07	1.25E-06	1.93E-07	1.76E-07	2.86E-06	2.96E-06	1.09E-06	1.48E-06	5.52E-07	2.96E-06	1.09E-06
3229	473363.1	3847377	8.63E-03	8.84E-03	8.34E-03	2.99E-06	9.02E-06	5.22E-06	5.35E-06	4.85E-06	2.21E-06	2.09E-06	0.00E+00	0.00E+00	9.61E-07	1.82E-07	1.15E-06	1.78E-07	1.62E-07	2.63E-06	2.72E-06	9.99E-07	1.36E-06	5.08E-07	2.72E-06	9.99E-07
3230	473863.1	3847377	4.06E-03	4.16E-03	3.92E-03	1.40E-06	4.24E-06	2.46E-06	2.52E-06	2.28E-06	1.04E-06	9.81E-07	0.00E+00	0.00E+00	4.52E-07	8.54E-08	5.42E-07	8.35E-08	7.60E-08	1.24E-06	1.28E-06	4.70E-07	6.39E-07	2.39E-07	1.28E-06	4.70E-07
3231	474363.1	3847377	2.98E-03	3.05E-03	2.88E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.67E-06	7.63E-07	7.20E-07	0.00E+00	0.00E+00	3.31E-07	6.26E-08	3.97E-07	6.13E-08	5.57E-08	9.08E-07	9.40E-07	3.45E-07	4.69E-07	1.75E-07	9.40E-07	3.45E-07
3232	474863.1	3847377	2.20E-03	2.25E-03	2.13E-03	7.62E-07	2.30E-06	1.33E-06	1.36E-06	1.24E-06	5.64E-07	5.32E-07	0.00E+00	0.00E+00	2.45E-07	4.63E-08	2.94E-07	4.53E-08	4.12E-08	6.71E-07	6.95E-07	2.55E-07	3.47E-07	1.30E-07	6.95E-07	2.55E-07
3233	475363.1	3847377	1.75E-03	1.79E-03	1.69E-03	6.06E-07	1.83E-06	1.06E-06	1.08E-06	9.83E-07	4.49E-07	4.23E-07	0.00E+00	0.00E+00	1.95E-07	3.68E-08	2.34E-07	3.60E-08	3.28E-08	5.34E-07	5.52E-07	2.03E-07	2.76E-07	1.03E-07	5.52E-07	2.03E-07
3234	475863.1	3847377	1.61E-03	1.65E-03	1.55E-03	5.56E-07	1.68E-06	9.72E-07	9.96E-07	9.03E-07	4.12E-07	3.89E-07	0.00E+00	0.00E+00	1.79E-07	3.38E-08	2.15E-07	3.31E-08	3.01E-08	4.90E-07	5.07E-07	1.86E-07	2.53E-07	9.46E-08	5.07E-07	1.86E-07
3235	476363.1	3847377	1.47E-03	1.51E-03	1.42E-03	5.09E-07	1.54E-06	8.89E-07	9.11E-07	8.26E-07	3.77E-07	3.55E-07	0.00E+00	0.00E+00	1.64E-07	3.09E-08	1.96E-07	3.03E-08	2.75E-08	4.49E-07	4.64E-07	1.70E-07	2.32E-07	8.65E-08	4.64E-07	1.70E-07
3236	476863.1	3847377	1.29E-03	1.32E-03	1.24E-03	4.46E-07	1.35E-06	7.79E-07	7.98E-07	7.23E-07	3.30E-07	3.11E-07	0.00E+00	0.00E+00	1.43E-07	2.71E-08	1.72E-07	2.65E-08	2.41E-08	3.93E-07	4.06E-07	1.49E-07	2.03E-07	7.58E-08	4.06E-07	1.49E-07
3237	477363.1	3847377	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.05E-07	7.22E-07	6.54E-07	2.98E-07	2.82E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.55E-07	2.40E-08	2.18E-08	3.55E-07	3.68E-07	1.35E-07	1.83E-07	6.86E-08	3.68E-07	1.35E-07
3238	477863.1	3847377	1.05E-03	1.08E-03	1.02E-03	3.64E-07	1.10E-06	6.36E-07	6.51E-07	5.90E-07	2.69E-07	2.54E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	1.97E-08	3.21E-07	3.32E-07	1.22E-07	1.66E-07	6.19E-08	3.32E-07	1.22E-07
3239	478363.1	3847377	9.62E-04	9.86E-04	9.30E-04	3.33E-07	1.01E-06	5.82E-07	5.96E-07	5.41E-07	2.47E-07	2.33E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.98E-08	1.80E-08	2.94E-07	3.04E-07	1.11E-07	1.52E-07	5.66E-08	3.04E-07	1.11E-07
3240	478863.1	3847377	9.05E-04	9.27E-04	8.74E-04	3.13E-07	9.46E-07	5.47E-07	5.61E-07	5.08E-07	2.32E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.69E-08	2.76E-07	2.86E-07	1.05E-07	1.43E-07	5.33E-08	2.86E-07	1.05E-07
3241	479363.1	3847377	8.03E-04	8.22E-04	7.76E-04	2.78E-07	8.39E-07	4.86E-07	4.98E-07	4.51E-07	2.06E-07	1.94E-07	0.00E+00	0.00E+00	8.94E-08	1.69E-08	1.07E-07	1.65E-08	1.50E-08	2.45E-07	2.53E-07	9.29E-08	1.26E-07	4.73E-08	2.53E-07	9.29E-08
3242	479863.1	3847377	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.66E-08	1.45E-08	9.18E-08	1.42E-08	1.29E-08	2.10E-07	2.17E-07	7.96E-08	1.08E-07	4.05E-08	2.17E-07	7.96E-08
3243	480363.1	3847377	5.81E-04	5.96E-04	5.62E-04	2.01E-07	6.08E-07	3.52E-07	3.60E-07	3.27E-07	1.49E-07	1.41E-07	0.00E+00	0.00E+00	6.47E-08	1.22E-08	7.76E-08	1.20E-08	1.09E-08	1.77E-07	1.84E-07	6.73E-08	9.16E-08	3.42E-08	1.84E-07	6.73E-08
3244	480863.1	3847377	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	0.00E+00	0.00E+00	6.00E-08	1.13E-08	7.19E-08	1.11E-08	1.01E-08	1.64E-07	1.70E-07	6.24E-08	8.49E-08	3.17E-08	1.70E-07	6.24E-08
3245	481363.1	3847377	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.08E-08	1.15E-08	7.29E-08	1.12E-08	1.02E-08	1.67E-07	1.72E-07	6.32E-08	8.60E-08	3.21E-08	1.72E-07	6.32E-08
3246	481863.1	3847377	5.77E-04	5.91E-04	5.58E-04	2.00E-07	6.03E-07	3.49E-07	3.58E-07	3.24E-07	1.48E-07	1.40E-07	0.00E+00	0.00E+00	6.42E-08	1.21E-08	7.70E-08	1.19E-08	1.08E-08	1.76E-07	1.82E-07	6.68E-08	9.09E-08	3.40E-08	1.82E-07	6.68E-08
3247	482363.1	3847377	5.55E-04	5.68E-04	5.36E-04	1.92E-07	5.80E-07	3.36E-07	3.44E-07	3.12E-07	1.42E-07	1.34E-07	0.00E+00	0.00E+00	6.18E-08	1.17E-08	7.41E-08	1.14E-08	1.04E-08	1.69E-07	1.75E-07	6.42E-08	8.74E-08	3.27E-08	1.75E-07	6.42E-08
3248	482863.1	3847377	5.25E-04	5.38E-04	5.08E-04	1.82E-07	5.49E-07	3.18E-07	3.26E-07	2.95E-07	1.35E-07	1.27E-07	0.00E+00	0.00E+00	5.85E-08	1.11E-08	7.01E-08	1.08E-08	9.84E-09	1.60E-07	1.66E-07	6.08E-08	8.28E-08	3.09E-08	1.66E-07	6.08E-08
3249	483363.1	3847377	4.99E-04	5.11E-04	4.82E-04	1.73E-07	5.21E-07	3.02E-07	3.09E-07	2.80E-07	1.28E-07	1.21E-07	0.00E+00	0.00E+00	5.55E-08	1.05E-08	6.66E-08	1.03E-08	9.34E-09	1.52E-07	1.57E-07	5.77E-08	7.86E-08	2.94E-08	1.57E-07	5.77E-08

3250	483863.1	3847377	4.86E-04	4.97E-04	4.69E-04	1.68E-07	5.08E-07	2.94E-07	3.01E-07	2.73E-07	1.24E-07	1.17E-07	0.00E+00	0.00E+00	5.41E-08	1.02E-08	6.48E-08	9.99E-09	9.09E-09	1.48E-07	1.53E-07	5.62E-08	7.65E-08	2.86E-08	1.53E-07	5.62E-08
3251	484363.1	3847377	4.84E-04	4.96E-04	4.68E-04	1.68E-07	5.06E-07	2.93E-07	3.00E-07	2.72E-07	1.24E-07	1.17E-07	0.00E+00	0.00E+00	5.39E-08	1.02E-08	6.46E-08	9.96E-09	9.06E-09	1.48E-07	1.53E-07	5.60E-08	7.63E-08	2.85E-08	1.53E-07	5.60E-08
3252	484863.1	3847377	4.66E-04	4.78E-04	4.51E-04	1.61E-07	4.87E-07	2.82E-07	2.89E-07	2.62E-07	1.20E-07	1.13E-07	0.00E+00	0.00E+00	5.19E-08	9.81E-09	6.23E-08	9.60E-09	8.73E-09	1.42E-07	1.47E-07	5.40E-08	7.35E-08	2.75E-08	1.47E-07	5.40E-08
3253	485363.1	3847377	4.55E-04	4.66E-04	4.39E-04	1.57E-07	4.75E-07	2.75E-07	2.82E-07	2.55E-07	1.17E-07	1.10E-07	0.00E+00	0.00E+00	5.06E-08	9.56E-09	6.07E-08	9.36E-09	8.51E-09	1.39E-07	1.43E-07	5.26E-08	7.16E-08	2.68E-08	1.43E-07	5.26E-08
3254	485863.1	3847377	4.47E-04	4.58E-04	4.32E-04	1.55E-07	4.67E-07	2.71E-07	2.77E-07	2.51E-07	1.15E-07	1.08E-07	0.00E+00	0.00E+00	4.98E-08	9.41E-09	5.97E-08	9.20E-09	8.37E-09	1.36E-07	1.41E-07	5.18E-08	7.04E-08	2.63E-08	1.41E-07	5.18E-08
3255	486363.1	3847377	4.41E-04	4.52E-04	4.26E-04	1.53E-07	4.61E-07	2.67E-07	2.73E-07	2.48E-07	1.13E-07	1.07E-07	0.00E+00	0.00E+00	4.91E-08	9.28E-09	5.89E-08	9.08E-09	8.26E-09	1.35E-07	1.39E-07	5.11E-08	6.95E-08	2.60E-08	1.39E-07	5.11E-08
3256	486863.1	3847377	4.12E-04	4.22E-04	3.98E-04	1.43E-07	4.30E-07	2.49E-07	2.55E-07	2.31E-07	1.06E-07	9.96E-08	0.00E+00	0.00E+00	4.58E-08	8.66E-09	5.50E-08	8.48E-09	7.71E-09	1.26E-07	1.30E-07	4.77E-08	6.49E-08	2.42E-08	1.30E-07	4.77E-08
3257	487363.1	3847377	4.07E-04	4.17E-04	3.94E-04	1.41E-07	4.26E-07	2.46E-07	2.52E-07	2.29E-07	1.04E-07	9.85E-08	0.00E+00	0.00E+00	4.53E-08	8.57E-09	5.44E-08	8.38E-09	7.63E-09	1.24E-07	1.29E-07	4.72E-08	6.42E-08	2.40E-08	1.29E-07	4.72E-08
3258	487863.1	3847377	3.88E-04	3.98E-04	3.75E-04	1.34E-07	4.06E-07	2.35E-07	2.41E-07	2.18E-07	9.95E-08	9.39E-08	0.00E+00	0.00E+00	4.32E-08	8.16E-09	5.18E-08	7.99E-09	7.27E-09	1.18E-07	1.23E-07	4.49E-08	6.11E-08	2.29E-08	1.23E-07	4.49E-08
3259	488363.1	3847377	3.78E-04	3.87E-04	3.65E-04	1.31E-07	3.95E-07	2.29E-07	2.34E-07	2.12E-07	9.69E-08	9.14E-08	0.00E+00	0.00E+00	4.21E-08	7.95E-09	5.04E-08	7.78E-09	7.07E-09	1.15E-07	1.19E-07	4.37E-08	5.95E-08	2.22E-08	1.19E-07	4.37E-08
3260	488863.1	3847377	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	0.00E+00	0.00E+00	4.12E-08	7.79E-09	4.94E-08	7.63E-09	6.94E-09	1.13E-07	1.17E-07	4.29E-08	5.84E-08	2.18E-08	1.17E-07	4.29E-08
3261	489363.1	3847377	3.63E-04	3.72E-04	3.51E-04	1.26E-07	3.79E-07	2.20E-07	2.25E-07	2.04E-07	9.31E-08	8.78E-08	0.00E+00	0.00E+00	4.04E-08	7.64E-09	4.85E-08	7.47E-09	6.80E-09	1.11E-07	1.15E-07	4.20E-08	5.72E-08	2.14E-08	1.15E-07	4.20E-08
3262	489863.1	3847377	3.47E-04	3.55E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.15E-07	1.95E-07	8.89E-08	8.39E-08	0.00E+00	0.00E+00	3.86E-08	7.30E-09	4.63E-08	7.14E-09	6.49E-09	1.06E-07	1.09E-07	4.01E-08	5.46E-08	2.04E-08	1.09E-07	4.01E-08
3263	490363.1	3847377	3.31E-04	3.39E-04	3.19E-04	1.14E-07	3.46E-07	2.00E-07	2.05E-07	1.86E-07	8.47E-08	7.99E-08	0.00E+00	0.00E+00	3.68E-08	6.95E-09	4.41E-08	6.80E-09	6.19E-09	1.01E-07	1.04E-07	3.83E-08	5.21E-08	1.95E-08	1.04E-07	3.83E-08
3264	490863.1	3847377	3.23E-04	3.31E-04	3.12E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.82E-07	8.29E-08	7.82E-08	0.00E+00	0.00E+00	3.60E-08	6.80E-09	4.31E-08	6.65E-09	6.05E-09	9.86E-08	1.02E-07	3.74E-08	5.09E-08	1.90E-08	1.02E-07	3.74E-08
3265	491363.1	3847377	3.16E-04	3.23E-04	3.05E-04	1.09E-07	3.30E-07	1.91E-07	1.96E-07	1.77E-07	8.10E-08	7.64E-08	0.00E+00	0.00E+00	3.52E-08	6.64E-09	4.22E-08	6.50E-09	5.91E-09	9.64E-08	9.97E-08	3.66E-08	4.98E-08	1.86E-08	9.97E-08	3.66E-08
3266	491863.1	3847377	3.19E-04	3.27E-04	3.08E-04	1.10E-07	3.33E-07	1.93E-07	1.98E-07	1.79E-07	8.17E-08	7.71E-08	0.00E+00	0.00E+00	3.55E-08	6.71E-09	4.26E-08	6.56E-09	5.97E-09	9.73E-08	1.01E-07	3.69E-08	5.02E-08	1.88E-08	1.01E-07	3.69E-08
3267	492363.1	3847377	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	0.00E+00	0.00E+00	3.45E-08	6.52E-09	4.14E-08	6.38E-09	5.80E-09	9.46E-08	9.78E-08	3.59E-08	4.88E-08	1.82E-08	9.78E-08	3.59E-08
3268	492863.1	3847377	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	0.00E+00	0.00E+00	3.45E-08	6.52E-09	4.14E-08	6.38E-09	5.80E-09	9.46E-08	9.78E-08	3.59E-08	4.88E-08	1.82E-08	9.78E-08	3.59E-08
3269	493363.1	3847377	3.07E-04	3.14E-04	2.97E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.87E-08	7.42E-08	0.00E+00	0.00E+00	3.42E-08	6.46E-09	4.10E-08	6.32E-09	5.75E-09	9.37E-08	9.69E-08	3.55E-08	4.84E-08	1.81E-08	9.69E-08	3.55E-08
3270	493863.1	3847377	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	0.00E+00	0.00E+00	3.34E-08	6.30E-09	4.00E-08	6.17E-09	5.61E-09	9.14E-08	9.46E-08	3.47E-08	4.72E-08	1.76E-08	9.46E-08	3.47E-08
3271	494363.1	3847377	2.94E-04	3.01E-04	2.84E-04	1.02E-07	3.07E-07	1.78E-07	1.82E-07	1.65E-07	7.53E-08	7.10E-08	0.00E+00	0.00E+00	3.27E-08	6.18E-09	3.92E-08	6.05E-09	5.50E-09	8.96E-08	9.27E-08	3.40E-08	4.63E-08	1.73E-08	9.27E-08	3.40E-08
3272	494863.1	3847377	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	0.00E+00	0.00E+00	3.22E-08	6.08E-09	3.86E-08	5.95E-09	5.42E-09	8.83E-08	9.13E-08	3.35E-08	4.56E-08	1.70E-08	9.13E-08	3.35E-08
3273	495363.1	3847377	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	0.00E+00	0.00E+00	3.19E-08	6.02E-09	3.82E-08	5.89E-09	5.36E-09	8.74E-08	9.04E-08	3.31E-08	4.51E-08	1.69E-08	9.04E-08	3.31E-08
3274	495863.1	3847377	2.85E-04	2.92E-04	2.75E-04	9.86E-08	2.98E-07	1.72E-07	1.77E-07	1.60E-07	7.30E-08	6.89E-08	0.00E+00	0.00E+00	3.17E-08	5.99E-09	3.80E-08	5.86E-09	5.33E-09	8.69E-08	8.99E-08	3.30E-08	4.49E-08	1.68E-08	8.99E-08	3.30E-08
3275	496363.1	3847377	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	0.00E+00	0.00E+00	3.15E-08	5.96E-09	3.78E-08	5.83E-09	5.31E-09	8.65E-08	8.94E-08	3.28E-08	4.46E-08	1.67E-08	8.94E-08	3.28E-08
3276	496863.1	3847377	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	0.00E+00	0.00E+00	3.19E-08	6.02E-09	3.82E-08	5.89E-09	5.36E-09	8.74E-08	9.04E-08	3.31E-08	4.51E-08	1.69E-08	9.04E-08	3.31E-08
3277	497363.1	3847377	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	0.00E+00	0.00E+00	3.22E-08	6.08E-09	3.86E-08	5.95E-09	5.42E-09	8.83E-08	9.13E-08	3.35E-08	4.56E-08	1.70E-08	9.13E-08	3.35E-08
3278	497863.1	3847377	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	0.00E+00	0.00E+00	3.29E-08	6.21E-09	3.94E-08	6.08E-09	5.53E-09	9.01E-08	9.32E-08	3.42E-08	4.65E-08	1.74E-08	9.32E-08	3.42E-08
3279	498363.1	3847377	2.94E-04	3.01E-04	2.84E-04	1.02E-07	3.07E-07	1.78E-07	1.82E-07	1.65E-07	7.53E-08	7.10E-08	0.00E+00	0.00E+00	3.27E-08	6.18E-09	3.92E-08	6.05E-09	5.50E-09	8.96E-08	9.27E-08	3.40E-08	4.63E-08	1.73E-08	9.27E-08	3.40E-08
3280	471363.1	3847877	7.03E-04	7.20E-04	6.79E-04	2.43E-07	7.34E-07	4.25E-07	4.35E-07	3.95E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.82E-08	1.48E-08	9.38E-08	1.45E-08	1.32E-08	2.14E-07	2.22E-07	8.13E-08	1.11E-07	4.14E-08	2.22E-07	8.13E-08
3281	471863.1	3847877	8.50E-04	8.71E-04	8.21E-04	2.94E-07	8.89E-07	5.14E-07	5.27E-07	4.78E-07	2.18E-07	2.06E-07	0.00E+00	0.00E+00	9.46E-08	1.79E-08	1.13E-07	1.75E-08	1.59E-08	2.59E-07	2.68E-07	9.84E-08	1.34E-07	5.00E-08	2.68E-07	9.84E-08
3282	472363.1	3847877	1.11E-03	1.14E-03	1.08E-03	3.86E-07	1.16E-06	6.74E-07	6.91E-07	6.26E-07	2.86E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.09E-08	3.40E-07	3.52E-07	1.29E-07	1.76E-07	6.56E-08	3.52E-07	1.29E-07
3283	472863.1	3847877	1.65E-03	1.69E-03	1.60E-03	5.72E-07	1.73E-06	1.00E-06	1.02E-06	9.29E-07	4.24E-07	4.00E-07	0.00E+00	0.00E+00	1.84E-07	3.48E-08	2.21E-07	3.40E-08	3.09E-08	5.04E-07	5.22E-07	1.91E-07	2.60E-07	9.73E-08	5.22E-07	1.91E-07
3284	473363.1	3847877	3.27E-03	3.35E-03	3.16E-03	1.13E-06	3.42E-06	1.98E-06	2.03E-06	1.84E-06	8.39E-07	7.91E-07	0.00E+00	0.00E+00	3.64E-07	6.89E-08	4.37E-07	6.74E-08	6.13E-08	9.99E-07	1.03E-06	3.79E-07	5.16E-07	1.93E-07	1.03E-06	3.79E-07
3285	473863.1	3847877	5.79E-02	5.93E-02	5.59E-02	2.00E-05	6.05E-05	3.50E-05	3.59E-05	3.25E-05	1.48E-05	1.40E-05	0.00E+00	0.00E+00	6.44E-06	1.22E-06	7.73E-06	1.19E-06	1.08E-06	1.77E-05	1.83E-05	6.70E-06	9.12E-06	3.41E-06	1.83E-05	6.70E-06
3286	474363.1	3847877	6.22E-03	6.37E-03	6.01E-03	2.15E-06	6.51E-06	3.77E-06	3.86E-06	3.50E-06	1.60E-06	1.50E-06	0.00E+00	0.00E+00	6.93E-07	1.31E-07	8.31E-07	1.28E-07	1.17E-07	1.90E-06	1.96E-06	7.20E-07	9.80E-07	3.66E-07	1.96E-06	7.20E-07
3287	474863.1	3847877	3.78E-03	3.87E-03	3.65E-03	1.31E-06	3.95E-06	2.29E-06	2.34E-06	2.12E-06	9.69E-07	9.14E-07	0.00E+00	0.00E+00	4.21E-07	7.95E-08	5.04E-07	7.78E-08	7.07E-08	1.15E-06	1.19E-06	4.37E-07	5.95E-07	2.22E-07	1.19E-06	4.37E-07
3288	475363.1	3847877	2.53E-03	2.60E-03	2.45E-03	8.77E-07	2.65E-06	1.53E-06	1.57E-06	1.42E-06	6.50E-07	6.13E-07	0.00E+00	0.00E+00	2.82E-07	5.33E-08	3.38E-07	5.22E-08	4.74E-08	7.73E-07	8.00E-07	2.93E-07	3.99E-07	1.49E-07	8.00E-07	2.93E-07
3289	475863.1	3847877	1.95E-03	1.99E-03	1.88E-03	6.74E-07	2.03E-06	1.18E-06	1.21E-06	1.09E-06	4.99E-07	4.71E-07	0.00E+00	0.00E+00	2.17E-07	4.09E-08	2.60E-07	4.01E-08	3.64E-08	5.94E-07	6.14E-07	2.25E-07	3.07E-07	1.15E-07	6.14E-07	2.25E-07
3290	476363.1	3847877	1.85E-03	1.90E-03	1.79E-03	6.42E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.75E-07	4.48E-07	0.00E+00	0.00E+00	2.06E-07	3.90E-08	2.47E-07	3.82E-08	3.47E-08	5.66E-07	5.85E-07	2.15E-07	2.92E-07	1.09E-07	5.85E-07	2.15E-07
3291	476863.1	3847877	1.62E-03	1.66E-03	1.57E-03	5.61E-07	1.70E-06	9.81E-07	1.01E-06	9.11E-07	4.16E-07	3.92E-07	0.00E+00	0.00E+00	1.81E-07	3.41E-08	2.17E-07	3.34E-08	3.04E-08	4.95E-07	5.12E-07	1.88E-07	2.56E-07	9.55E-08	5.12E-07	1.88E-07
3292	477363.1	3847877	1.44E-03	1.47E-03	1.39E-03	4.98E-07	1.50E-06	8.70E-07	8.91E-07	8.08E-07	3.68E-07	3.48E-07	0.00E+00	0.00E+00	1.60E-07	3.02E-08	1.92E-07	2.96E-08	2.69E-08	4.39E-07	4.54E-07	1.66E-07	2.26E-07	8.46E-08	4.54E-07	1.66E-07
3293	477863.1	3847877	1.30E-03	1.33E-03	1.26E-03	4.50E-07	1.36E-06	7.87E-07	8.06E-07	7.30E-07	3.33E-07	3.14E-07	0.00E+00	0.00E+00	1.45E-07	2.74E-08	1.74E-07	2.68E-08	2.43E-08	3.97E-07	4.10E-07	1.51E-07	2.05E-07	7.65E-08	4.10E-07	1.51E-07
3294	478363.1	3847877	1.18E-03	1.20E-03	1.14E-03	4.07E-07	1.23E-06	7.12E-07	7.29E-07	6.61E-07	3.02E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.20E-08	3.59E-07	3.71E-07	1.36E-07	1.85E-07	6.92E-08	3.71E-07	1.36E-07
3295	478863.1	3847877	1.08E-03	1.11E-03	1.05E-03	3.75E-07	1.13E-06	6.55E-07	6.71E-07	6.09E-07	2.78E-07	2.62E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.23E-08	2.03E-08	3.31E-07	3.42E-07	1.25E-07	1.71E-07	6.38E-08	3.42E-07	1.25E-07
3296	479363.1	3847877	9.08E-04	9.30E-04	8.77E-04	3.14E-07	9.49E-07	5.49E-07	5.63E-07	5.10E-07	2.33E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.70E-08	2.77E-07	2.86E-07	1.05E-07	1.43E-07	5.34E-08	2.86E-07	1.05E-07
3297	479863.1	3847877	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	0.00E+00	0.00E+00	7.85E-08	1.48E-08	9.42E-08	1.45E-08	1.32E-08	2.15E-07	2.23E-07	8.17E-08	1.11E-07	4.15E-08	2.23E-07	8.17E-08
3298	480363.1	3847877	6.94E-04	7.10E-04	6.70E-04	2.40E-07	7.25E-07	4.20E-07	4.30E-07	3.90E-07	1.78E-07	1.68E-07	0.00E+00	0.00E+00	7.72E-08	1.46E-08	9.26E-08	1.43E-08	1.30E-08	2.12E-07	2.19E-07	8.03E-08	1.09E-07	4.08E-08	2.19E-07	8.03E-08
3299	480863.1	3847877	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	0.00E+00	0.00E+00	7.11E-08	1.34E-08	8.53E-08	1.32E-08	1.20E-08	1.95E-07	2.02E-07	7.40E-08	1.01E-07	3.76E-08	2.02E-07	7.40E-08
3300	481363.1	3847877	6.21E-04	6.36E-04	6.00E-04	2.15E-07	6.49E-07	3.76E-07	3.85E-07	3.49E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.92E-08	1.31E-08	8.29E-08	1.28E-08	1.16E-08	1.90E-07	1.96E-07	7.19E-08	9.79E-08	3.66E-08	1.96E-07	7.19E-08
3301	481863.1	3847877	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.52E-08	1.42E-08	9.02E-08	1.39E-08	1.27E-08	2.06E-07	2.13E-07	7.82E-08	1.06E-07	3.98E-08	2.13E-07	7.82E-08
3302	482363.1	3847877	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	0.00E+00	0.00E+00	7.11E-08	1.34E-08	8.53E-08	1.32E-08	1.20E-08	1.95E-07	2.02E-07	7.40E-08	1.01E-07	3.76E-08	2.02E-07	7.40E-08
3303	482863.1	3847877	5.98E-04	6.12E-04	5.77E-04	2.07E-07	6.25E-07	3.62E-07	3.70E-07	3.36E-07	1.53E-07	1.45E-07	0.00E+00	0.00E+00	6.65E-08	1.26E-08	7.98E-08	1.23E-08	1.12E-08	1.82E-07	1.89E-07	6.92E-08	9.42E-08	3.52E-08	1.89E-07	6.92E-08
3304	483363.1	3847877	5.68E-04	5.82E-04	5.49E-04	1.97E-07	5.94E-07	3.44E-07	3.52E-07	3.19E-07	1.46E-07	1.37E-07	0.00E+00	0.00E+00	6.33E-08	1.20E-08	7.58E-08	1.17E-08	1.06E-08	1.73E-07	1.79E-07	6.58E-08	8.95E-08	3.34E-08	1.79E-07	6.58E-08
3305	483863.1	3847877	5.52E-04	5.65E-04	5.33E-04	1.91E-07	5.77E-07	3.34E-07	3.42E-07	3.10E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.14E-08	1.16E-08	7.37E-08	1.14E-08	1.03E-08	1.68E-07	1.74E-07	6.39E-08	8.70E-08	3.25E-08	1.74E-07	6.39E-08
3306	484363.1	3847877	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.08E-08	1.15E-08	7.29E-08	1.12E-08	1.02E-08	1.67E-07	1.72E-07	6.32E-08	8.60E-08	3.21E-08	1.72E-07	6.32E-08
3307	484863.1	3847877	5.28E-04	5.41E-04	5.10E-04	1.83E-07	5.52E-07	3.20E-07	3.27E-07	2.97E-07	1.35E-07	1.28E-07	0.00E+00	0.00E+00	5.88E-08	1.11E-08	7.05E-08	1.09E-08	9.89E-09	1.61E-07	1.67E-07	6.12E-08	8.32E-08	3.11E-08	1.67E-07	6.12E-08
3308	485363.1	3847877	5.20E-04	5.32E-04	5.02E-04	1.80E-07	5.43E-07	3.14E-07	3.22E-07	2.92E-07	1.33E-07	1.26E-07	0.00E+00	0.00E+00	5.78E-08	1.09E-08	6.93E-08	1.07E-08	9.73E-09	1.59E-07	1.64E-07	6.01E-08	8.18E-08	3.06E-08	1.64E-07	6.01E-08
3309	485863.1	3847877	5.09E-04	5.22E-04	4.92E-04	1.76E-07	5.32E-07	3.08E-07	3.16E-07	2.86E-07	1.31E-07	1.23E-07	0.00E+00	0.00E+00	5.67E-08	1.07E-08	6.80E-08	1.05E-08	9.53E-09	1.55E-07	1.61E-07	5.89E-08	8.02E-08	3.00E-08	1.61E-07	5.89E-08
3310	486363.1	3847877	4.84E-04	4.96E-04	4.68E-04	1.68E-07	5.06E-07	2.93E-07	3.00E-07	2.72E-07	1.24E-07	1.17E-07	0.00E+00	0.00E+00	5.39E-08	1.02E-08	6.46E-08	9.96E-09	9.06E-09	1.48E-07	1.53E-07	5.60E-08	7.63E-08	2.85E-08	1.53E-07	5.60E-08
3311	486863.1	3847877	4.63E-04	4.75E-04	4.48E-04	1.60E-07	4.84E-07	2.80E-07	2.87E-07	2.60E-07	1.19E-07	1.12E-07	0.00E+00	0.00E+00	5.16E-08	9.75E-09	6.19E-08	9.54E-09	8.68E-09	1.41E-07	1.46E-07	5.36E-08	7.30E-08	2.73E-08	1.46E-07	5.36E-08
3312	487363.1	3847877	4.47E-04	4.58E-04	4.32E-04	1.55E-07	4.67E-07	2.71E-07	2.77E-07	2.51E-07	1.15E-07	1.08E-07	0.00E+00	0.00E+00	4.98E-08	9.41E-09	5.97E-08	9.20E-09	8.37E-09	1.36E-07	1.41E-07	5.18E-08	7.04E-08	2.63E-08	1.41E-07	5.18E-08
3313	487863.1	3847877	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	0.00E+00	0.00E+00	4.75E-08	8.97E-09	5.69E-08	8.78E-09	7.99E-09	1.30E-07	1.35E-07	4.94E-08	6.72E-08	2.51E-08	1.35E-07	4.94E-08
3314	488363.1	3847877	4.13E-04	4.23E-04	3.99E-04	1.43E-07	4.32E-07	2.50E-07	2.56E-07	2.32E-07	1.06E-07	9.99E-08	0.00E+00	0.00E+00	4.60E-08	8.69E-09	5.52E-08	8.51E-09	7.74E-09	1.26E-07	1.30E-07	4.78E-08	6.51E-08	2.43E-08	1.30E-07	4.78E-08
3315	488863.1	3847877	4.04E-04	4.14E-04	3.91E-04	1.40E-07	4.23E-07	2.45E-07	2.51E-07	2.27E-07	1.04E-07	9.78E-08	0.00E+00	0.00E+00	4.50E-08	8.51E-09	5.40E-08	8.32E-09	7.57E-09	1.23E-07	1.28E-07	4.68E-08	6.37E-08	2.38E-08	1.28E-07	4.68E-08
3316	489363.1	3847877	3.96E-04	4.05E-04	3.82E-04	1.37E-07	4.13E-07	2.39E-07	2.45E-07	2.22E-07	1.01E-07	9.56E-08	0.00E+00	0.00E+00	4.40E-08	8.32E-09	5.28E-08	8.14E-09	7.41E-09	1.21E-07	1.25E-07	4.58E-08	6.23E-08	2.33E-08	1.25E-07	4.58E-08
3317	489863.1	3847877	3.93E-04	4.02E-04	3.79E-04	1.36E-07	4.10E-07	2.38E-07	2.43E-07	2.21E-07	1.01E-07	9.49E-08	0.00E+00	0.00E+00	4.37E-08	8.26E-09	5.24E-08	8.08E-09	7.35E-09	1.20E-07	1.24E-07	4.54E-08	6.18E-08	2.31E-08	1.24E-07	4.54E-08
3318	490363.1	3847877	3.81E-04	3.90E-04	3.68E-04	1.32E-07	3.98E-07	2.30E-07	2.36E-07	2.14E-07	9.76E-08	9.21E-08	0.00E+00	0.00E+00	4.24E-08	8.01E-09	5.08E-08	7.84E-09	7.13E-09	1.16E-07	1.20E-07	4.41E-08	6.00E-08	2.24E-08	1.20E-07	4.41E-08
3319	490863.1	3847877	3.67E-04	3.76E-04	3.55E-04	1.27E-07	3.84E-07	2.22E-07	2.28E-07	2.06E-07	9.42E-08	8.89E-08	0.00E+00	0.00E+00	4.09E-08	7.73E-09	4.91E-08	7.56E-09	6.88E-09	1.12E-07	1.16E-07	4.25E-08	5.79E-08	2.16E-08	1.16E-07	4.25E-08
3320	491363.1	3847877	3.48E-04	3.57E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.16E-07	1.96E-07	8.93E-08	8.42E-08	0.00E+00	0.00E+00	3.88E-08	7.33E-09	4.65E-08	7.17E-09	6.52E-09	1.06E-07	1.10E-07	4.03E-08	5.49E-08	2.05E-08	1.10E-07	4.03E-08
3321	491863.1	3847877	3.41E-04	3.49E-04	3.29E-04	1.18E-07	3.56E-07	2.06E-07	2.11E-07	1.92E-07	8.74E-08	8.24E-08	0.00E+00	0.00E+00	3.80E-08	7.17E-09	4.55E-08	7.02E-09	6.38E-09	1.04E-07	1.08E-07	3.95E-08	5.37E-08	2.01E-08	1.08E-07	3.95E-08
3322	492363.1	3847877	3.35E-04	3.43E-04	3.24E-04	1.16E-07	3.50E-07	2.03E-07	2.08E-07	1.88E-07	8.59E-08	8.10E-08	0.00E+00	0.00E+00	3.73E-08	7.05E-09	4.47E-08	6.90E-09	6.27E-09	1.02E-07	1.06E-07	3.88E-08	5.28E-08	1.97E-08	1.06E-07	3.88E-08
3323	492863.1	3847877	3.29E-04	3.37E-04	3.18E-04	1.14E-07	3.44E-07	1.99E-07	2.04E-07	1.85E-07	8.44E-08	7.96E-08	0.00E+00	0.00E+00	3.66E-08	6.92E-09	4.39E-08	6.77E-09	6.16E-09	1.00E-07	1.04E-07	3.81E-08	5.18E-08	1.94E-08	1.04E-07	3.81E-08

3324	493363.1	3847877	3.14E-04	3.22E-04	3.04E-04	1.09E-07	3.29E-07	1.90E-07	1.95E-07	1.77E-07	8.06E-08	7.60E-08	0.00E+00	0.00E+00	3.50E-08	6.61E-09	4.20E-08	6.47E-09	5.89E-09	9.59E-08	9.92E-08	3.64E-08	4.95E-08	1.85E-08	9.92E-08	3.64E-08
3325	493863.1	3847877	3.04E-04	3.11E-04	2.94E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.71E-07	7.79E-08	7.35E-08	0.00E+00	0.00E+00	3.38E-08	6.40E-09	4.06E-08	6.26E-09	5.69E-09	9.28E-08	9.60E-08	3.52E-08	4.79E-08	1.79E-08	9.60E-08	3.52E-08
3326	494363.1	3847877	2.97E-04	3.04E-04	2.87E-04	1.03E-07	3.10E-07	1.79E-07	1.84E-07	1.67E-07	7.60E-08	7.17E-08	0.00E+00	0.00E+00	3.30E-08	6.24E-09	3.96E-08	6.11E-09	5.55E-09	9.05E-08	9.36E-08	3.43E-08	4.67E-08	1.75E-08	9.36E-08	3.43E-08
3327	494863.1	3847877	2.94E-04	3.01E-04	2.84E-04	1.02E-07	3.07E-07	1.78E-07	1.82E-07	1.65E-07	7.53E-08	7.10E-08	0.00E+00	0.00E+00	3.27E-08	6.18E-09	3.92E-08	6.05E-09	5.50E-09	8.96E-08	9.27E-08	3.40E-08	4.63E-08	1.73E-08	9.27E-08	3.40E-08
3328	495363.1	3847877	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	0.00E+00	0.00E+00	3.19E-08	6.02E-09	3.82E-08	5.89E-09	5.36E-09	8.74E-08	9.04E-08	3.31E-08	4.51E-08	1.69E-08	9.04E-08	3.31E-08
3329	495863.1	3847877	2.69E-04	2.75E-04	2.60E-04	9.30E-08	2.81E-07	1.63E-07	1.66E-07	1.51E-07	6.89E-08	6.49E-08	0.00E+00	0.00E+00	2.99E-08	5.65E-09	3.59E-08	5.53E-09	5.03E-09	8.20E-08	8.48E-08	3.11E-08	4.23E-08	1.58E-08	8.48E-08	3.11E-08
3330	496363.1	3847877	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	0.00E+00	0.00E+00	3.15E-08	5.96E-09	3.78E-08	5.83E-09	5.31E-09	8.65E-08	8.94E-08	3.28E-08	4.46E-08	1.67E-08	8.94E-08	3.28E-08
3331	496863.1	3847877	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	0.00E+00	0.00E+00	3.19E-08	6.02E-09	3.82E-08	5.89E-09	5.36E-09	8.74E-08	9.04E-08	3.31E-08	4.51E-08	1.69E-08	9.04E-08	3.31E-08
3332	497363.1	3847877	2.91E-04	2.98E-04	2.81E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.45E-08	7.03E-08	0.00E+00	0.00E+00	3.24E-08	6.12E-09	3.88E-08	5.98E-09	5.44E-09	8.87E-08	9.18E-08	3.37E-08	4.58E-08	1.71E-08	9.18E-08	3.37E-08
3333	497863.1	3847877	3.04E-04	3.11E-04	2.94E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.71E-07	7.79E-08	7.35E-08	0.00E+00	0.00E+00	3.38E-08	6.40E-09	4.06E-08	6.26E-09	5.69E-09	9.28E-08	9.60E-08	3.52E-08	4.79E-08	1.79E-08	9.60E-08	3.52E-08
3334	498363.1	3847877	3.06E-04	3.13E-04	2.95E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.72E-07	7.83E-08	7.39E-08	0.00E+00	0.00E+00	3.40E-08	6.43E-09	4.08E-08	6.29E-09	5.72E-09	9.32E-08	9.64E-08	3.54E-08	4.81E-08	1.80E-08	9.64E-08	3.54E-08
3335	471363.1	3848377	5.98E-04	6.12E-04	5.77E-04	2.07E-07	6.25E-07	3.62E-07	3.70E-07	3.36E-07	1.53E-07	1.45E-07	0.00E+00	0.00E+00	6.65E-08	1.26E-08	7.98E-08	1.23E-08	1.12E-08	1.82E-07	1.89E-07	6.92E-08	9.42E-08	3.52E-08	1.89E-07	6.92E-08
3336	471863.1	3848377	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.71E-08	1.46E-08	9.24E-08	1.42E-08	1.30E-08	2.11E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
3337	472363.1	3848377	8.25E-04	8.45E-04	7.97E-04	2.86E-07	8.62E-07	4.99E-07	5.11E-07	4.63E-07	2.11E-07	1.99E-07	0.00E+00	0.00E+00	9.18E-08	1.74E-08	1.10E-07	1.70E-08	1.54E-08	2.52E-07	2.60E-07	9.55E-08	1.30E-07	4.86E-08	2.60E-07	9.55E-08
3338	472863.1	3848377	1.03E-03	1.05E-03	9.94E-04	3.56E-07	1.08E-06	6.22E-07	6.38E-07	5.78E-07	2.64E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.12E-08	1.93E-08	3.14E-07	3.25E-07	1.19E-07	1.62E-07	6.06E-08	3.25E-07	1.19E-07
3339	473363.1	3848377	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.60E-07	7.79E-07	3.56E-07	3.35E-07	0.00E+00	0.00E+00	1.54E-07	2.92E-08	1.85E-07	2.86E-08	2.60E-08	4.23E-07	4.38E-07	1.61E-07	2.19E-07	8.17E-08	4.38E-07	1.61E-07
3340	473863.1	3848377	2.26E-03	2.31E-03	2.18E-03	7.81E-07	2.36E-06	1.36E-06	1.40E-06	1.27E-06	5.78E-07	5.45E-07	0.00E+00	0.00E+00	2.51E-07	4.74E-08	3.01E-07	4.64E-08	4.22E-08	6.88E-07	7.12E-07	2.61E-07	3.55E-07	1.33E-07	7.12E-07	2.61E-07
3341	474363.1	3848377	1.00E-02	1.02E-02	9.66E-03	3.46E-06	1.05E-05	6.05E-06	6.20E-06	5.62E-06	2.56E-06	2.42E-06	0.00E+00	0.00E+00	1.11E-06	2.10E-07	1.33E-06	2.06E-07	1.87E-07	3.05E-06	3.16E-06	1.16E-06	1.58E-06	5.89E-07	3.16E-06	1.16E-06
3342	474863.1	3848377	8.06E-03	8.25E-03	7.78E-03	2.79E-06	8.42E-06	4.87E-06	4.99E-06	4.53E-06	2.06E-06	1.95E-06	0.00E+00	0.00E+00	8.97E-07	1.69E-07	1.08E-06	1.66E-07	1.51E-07	2.46E-06	2.54E-06	9.32E-07	1.27E-06	4.74E-07	2.54E-06	9.32E-07
3343	475363.1	3848377	4.52E-03	4.63E-03	4.36E-03	1.56E-06	4.72E-06	2.73E-06	2.80E-06	2.54E-06	1.16E-06	1.09E-06	0.00E+00	0.00E+00	5.03E-07	9.50E-08	6.03E-07	9.30E-08	8.46E-08	1.38E-06	1.43E-06	5.23E-07	7.11E-07	2.66E-07	1.43E-06	5.23E-07
3344	475863.1	3848377	2.91E-03	2.98E-03	2.81E-03	1.01E-06	3.04E-06	1.76E-06	1.80E-06	1.64E-06	7.46E-07	7.04E-07	0.00E+00	0.00E+00	3.24E-07	6.13E-08	3.89E-07	5.99E-08	5.45E-08	8.89E-07	9.19E-07	3.37E-07	4.59E-07	1.71E-07	9.19E-07	3.37E-07
3345	476363.1	3848377	2.18E-03	2.24E-03	2.11E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.23E-06	5.60E-07	5.28E-07	0.00E+00	0.00E+00	2.43E-07	4.59E-08	2.92E-07	4.50E-08	4.09E-08	6.67E-07	6.89E-07	2.53E-07	3.44E-07	1.29E-07	6.89E-07	2.53E-07
3346	476863.1	3848377	2.12E-03	2.18E-03	2.05E-03	7.35E-07	2.22E-06	1.29E-06	1.32E-06	1.19E-06	5.44E-07	5.14E-07	0.00E+00	0.00E+00	2.36E-07	4.47E-08	2.83E-07	4.37E-08	3.98E-08	6.48E-07	6.70E-07	2.46E-07	3.35E-07	1.25E-07	6.70E-07	2.46E-07
3347	477363.1	3848377	1.87E-03	1.91E-03	1.80E-03	6.46E-07	1.95E-06	1.13E-06	1.16E-06	1.05E-06	4.79E-07	4.51E-07	0.00E+00	0.00E+00	2.08E-07	3.93E-08	2.49E-07	3.84E-08	3.50E-08	5.70E-07	5.89E-07	2.16E-07	2.94E-07	1.10E-07	5.89E-07	2.16E-07
3348	477863.1	3848377	1.68E-03	1.72E-03	1.63E-03	5.83E-07	1.76E-06	1.02E-06	1.04E-06	9.46E-07	4.32E-07	4.07E-07	0.00E+00	0.00E+00	1.87E-07	3.54E-08	2.25E-07	3.47E-08	3.15E-08	5.14E-07	5.31E-07	1.95E-07	2.65E-07	9.91E-08	5.31E-07	1.95E-07
3349	478363.1	3848377	1.51E-03	1.55E-03	1.46E-03	5.24E-07	1.58E-06	9.16E-07	9.38E-07	8.51E-07	3.88E-07	3.66E-07	0.00E+00	0.00E+00	1.69E-07	3.19E-08	2.02E-07	3.12E-08	2.84E-08	4.62E-07	4.78E-07	1.75E-07	2.39E-07	8.91E-08	4.78E-07	1.75E-07
3350	478863.1	3848377	1.34E-03	1.37E-03	1.29E-03	4.63E-07	1.40E-06	8.10E-07	8.30E-07	7.52E-07	3.43E-07	3.24E-07	0.00E+00	0.00E+00	1.49E-07	2.82E-08	1.79E-07	2.76E-08	2.51E-08	4.08E-07	4.22E-07	1.55E-07	2.11E-07	7.88E-08	4.22E-07	1.55E-07
3351	479363.1	3848377	1.11E-03	1.14E-03	1.08E-03	3.85E-07	1.16E-06	6.73E-07	6.90E-07	6.25E-07	2.85E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.08E-08	3.40E-07	3.51E-07	1.29E-07	1.75E-07	6.55E-08	3.51E-07	1.29E-07
3352	479863.1	3848377	6.97E-04	7.13E-04	6.73E-04	2.41E-07	7.28E-07	4.21E-07	4.32E-07	3.91E-07	1.79E-07	1.68E-07	0.00E+00	0.00E+00	7.75E-08	1.47E-08	9.30E-08	1.43E-08	1.30E-08	2.13E-07	2.20E-07	8.06E-08	1.10E-07	4.10E-08	2.20E-07	8.06E-08
3353	480363.1	3848377	7.81E-04	8.00E-04	7.54E-04	2.70E-07	8.16E-07	4.72E-07	4.84E-07	4.39E-07	2.00E-07	1.89E-07	0.00E+00	0.00E+00	8.69E-08	1.64E-08	1.04E-07	1.61E-08	1.46E-08	2.38E-07	2.46E-07	9.04E-08	1.23E-07	4.60E-08	2.46E-07	9.04E-08
3354	480863.1	3848377	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	0.00E+00	0.00E+00	9.50E-08	1.79E-08	1.14E-07	1.76E-08	1.60E-08	2.60E-07	2.69E-07	9.87E-08	1.34E-07	5.02E-08	2.69E-07	9.87E-08
3355	481363.1	3848377	8.15E-04	8.34E-04	7.87E-04	2.82E-07	8.52E-07	4.93E-07	5.05E-07	4.58E-07	2.09E-07	1.97E-07	0.00E+00	0.00E+00	9.07E-08	1.71E-08	1.09E-07	1.68E-08	1.53E-08	2.49E-07	2.57E-07	9.43E-08	1.28E-07	4.80E-08	2.57E-07	9.43E-08
3356	481863.1	3848377	7.87E-04	8.06E-04	7.60E-04	2.72E-07	8.22E-07	4.76E-07	4.88E-07	4.42E-07	2.02E-07	1.90E-07	0.00E+00	0.00E+00	8.76E-08	1.65E-08	1.05E-07	1.62E-08	1.47E-08	2.40E-07	2.48E-07	9.11E-08	1.24E-07	4.63E-08	2.48E-07	9.11E-08
3357	482363.1	3848377	7.53E-04	7.71E-04	7.27E-04	2.61E-07	7.87E-07	4.55E-07	4.66E-07	4.23E-07	1.93E-07	1.82E-07	0.00E+00	0.00E+00	8.38E-08	1.58E-08	1.00E-07	1.55E-08	1.41E-08	2.30E-07	2.38E-07	8.71E-08	1.19E-07	4.43E-08	2.38E-07	8.71E-08
3358	482863.1	3848377	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.71E-08	1.46E-08	9.24E-08	1.42E-08	1.30E-08	2.11E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
3359	483363.1	3848377	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	0.00E+00	0.00E+00	7.33E-08	1.38E-08	8.79E-08	1.35E-08	1.23E-08	2.01E-07	2.08E-07	7.62E-08	1.04E-07	3.87E-08	2.08E-07	7.62E-08
3360	483863.1	3848377	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	0.00E+00	0.00E+00	6.87E-08	1.30E-08	8.23E-08	1.27E-08	1.16E-08	1.88E-07	1.95E-07	7.14E-08	9.72E-08	3.63E-08	1.95E-07	7.14E-08
3361	484363.1	3848377	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	0.00E+00	0.00E+00	6.69E-08	1.26E-08	8.02E-08	1.24E-08	1.12E-08	1.83E-07	1.90E-07	6.95E-08	9.46E-08	3.54E-08	1.90E-07	6.95E-08
3362	484863.1	3848377	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	0.00E+00	0.00E+00	6.69E-08	1.26E-08	8.02E-08	1.24E-08	1.12E-08	1.83E-07	1.90E-07	6.95E-08	9.46E-08	3.54E-08	1.90E-07	6.95E-08
3363	485363.1	3848377	5.80E-04	5.94E-04	5.60E-04	2.01E-07	6.06E-07	3.51E-07	3.59E-07	3.26E-07	1.49E-07	1.40E-07	0.00E+00	0.00E+00	6.46E-08	1.22E-08	7.74E-08	1.19E-08	1.09E-08	1.77E-07	1.83E-07	6.71E-08	9.14E-08	3.41E-08	1.83E-07	6.71E-08
3364	485863.1	3848377	5.64E-04	5.77E-04	5.45E-04	1.95E-07	5.89E-07	3.41E-07	3.49E-07	3.17E-07	1.45E-07	1.36E-07	0.00E+00	0.00E+00	6.28E-08	1.19E-08	7.53E-08	1.16E-08	1.06E-08	1.72E-07	1.78E-07	6.53E-08	8.88E-08	3.32E-08	1.78E-07	6.53E-08
3365	486363.1	3848377	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	0.00E+00	0.00E+00	6.00E-08	1.13E-08	7.19E-08	1.11E-08	1.01E-08	1.64E-07	1.70E-07	6.24E-08	8.49E-08	3.17E-08	1.70E-07	6.24E-08
3366	486863.1	3848377	5.12E-04	5.25E-04	4.95E-04	1.77E-07	5.35E-07	3.10E-07	3.17E-07	2.88E-07	1.31E-07	1.24E-07	0.00E+00	0.00E+00	5.70E-08	1.08E-08	6.84E-08	1.05E-08	9.59E-09	1.56E-07	1.62E-07	5.93E-08	8.07E-08	3.01E-08	1.62E-07	5.93E-08
3367	487363.1	3848377	4.81E-04	4.93E-04	4.65E-04	1.67E-07	5.03E-07	2.91E-07	2.98E-07	2.70E-07	1.23E-07	1.16E-07	0.00E+00	0.00E+00	5.36E-08	1.01E-08	6.42E-08	9.90E-09	9.01E-09	1.47E-07	1.52E-07	5.57E-08	7.58E-08	2.83E-08	1.52E-07	5.57E-08
3368	487863.1	3848377	4.66E-04	4.78E-04	4.51E-04	1.61E-07	4.87E-07	2.82E-07	2.89E-07	2.62E-07	1.20E-07	1.13E-07	0.00E+00	0.00E+00	5.19E-08	9.81E-09	6.23E-08	9.60E-09	8.73E-09	1.42E-07	1.47E-07	5.40E-08	7.35E-08	2.75E-08	1.47E-07	5.40E-08
3369	488363.1	3848377	4.52E-04	4.63E-04	4.36E-04	1.56E-07	4.72E-07	2.73E-07	2.80E-07	2.54E-07	1.16E-07	1.09E-07	0.00E+00	0.00E+00	5.03E-08	9.50E-09	6.03E-08	9.30E-09	8.46E-09	1.38E-07	1.43E-07	5.23E-08	7.11E-08	2.66E-08	1.43E-07	5.23E-08
3370	488863.1	3848377	4.38E-04	4.49E-04	4.23E-04	1.52E-07	4.58E-07	2.65E-07	2.72E-07	2.46E-07	1.12E-07	1.06E-07	0.00E+00	0.00E+00	4.88E-08	9.22E-09	5.85E-08	9.02E-09	8.21E-09	1.34E-07	1.38E-07	5.07E-08	6.91E-08	2.58E-08	1.38E-07	5.07E-08
3371	489363.1	3848377	4.29E-04	4.40E-04	4.15E-04	1.49E-07	4.49E-07	2.60E-07	2.66E-07	2.41E-07	1.10E-07	1.04E-07	0.00E+00	0.00E+00	4.78E-08	9.03E-09	5.73E-08	8.84E-09	8.04E-09	1.31E-07	1.36E-07	4.97E-08	6.77E-08	2.53E-08	1.36E-07	4.97E-08
3372	489863.1	3848377	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	0.00E+00	0.00E+00	4.75E-08	8.97E-09	5.69E-08	8.78E-09	7.99E-09	1.30E-07	1.35E-07	4.94E-08	6.72E-08	2.51E-08	1.35E-07	4.94E-08
3373	490363.1	3848377	4.13E-04	4.23E-04	3.99E-04	1.43E-07	4.32E-07	2.50E-07	2.56E-07	2.32E-07	1.06E-07	9.99E-08	0.00E+00	0.00E+00	4.60E-08	8.69E-09	5.52E-08	8.51E-09	7.74E-09	1.26E-07	1.30E-07	4.78E-08	6.51E-08	2.43E-08	1.30E-07	4.78E-08
3374	490863.1	3848377	3.94E-04	4.04E-04	3.81E-04	1.36E-07	4.12E-07	2.38E-07	2.44E-07	2.21E-07	1.01E-07	9.53E-08	0.00E+00	0.00E+00	4.39E-08	8.29E-09	5.26E-08	8.11E-09	7.38E-09	1.20E-07	1.24E-07	4.56E-08	6.21E-08	2.32E-08	1.24E-07	4.56E-08
3375	491363.1	3848377	3.78E-04	3.87E-04	3.65E-04	1.31E-07	3.95E-07	2.29E-07	2.34E-07	2.12E-07	9.69E-08	9.14E-08	0.00E+00	0.00E+00	4.21E-08	7.95E-09	5.04E-08	7.78E-09	7.07E-09	1.15E-07	1.19E-07	4.37E-08	5.95E-08	2.22E-08	1.19E-07	4.37E-08
3376	491863.1	3848377	3.66E-04	3.75E-04	3.54E-04	1.27E-07	3.83E-07	2.21E-07	2.27E-07	2.06E-07	9.38E-08	8.85E-08	0.00E+00	0.00E+00	4.07E-08	7.70E-09	4.89E-08	7.53E-09	6.85E-09	1.12E-07	1.16E-07	4.24E-08	5.77E-08	2.15E-08	1.16E-07	4.24E-08
3377	492363.1	3848377	3.47E-04	3.55E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.15E-07	1.95E-07	8.89E-08	8.39E-08	0.00E+00	0.00E+00	3.86E-08	7.30E-09	4.63E-08	7.14E-09	6.49E-09	1.06E-07	1.09E-07	4.01E-08	5.46E-08	2.04E-08	1.09E-07	4.01E-08
3378	492863.1	3848377	3.28E-04	3.36E-04	3.17E-04	1.13E-07	3.42E-07	1.98E-07	2.03E-07	1.84E-07	8.40E-08	7.92E-08	0.00E+00	0.00E+00	3.65E-08	6.89E-09	4.37E-08	6.74E-09	6.13E-09	1.00E-07	1.03E-07	3.79E-08	5.16E-08	1.93E-08	1.03E-07	3.79E-08
3379	493363.1	3848377	3.17E-04	3.25E-04	3.07E-04	1.10E-07	3.32E-07	1.92E-07	1.97E-07	1.78E-07	8.13E-08	7.67E-08	0.00E+00	0.00E+00	3.53E-08	6.67E-09	4.24E-08	6.53E-09	5.94E-09	9.68E-08	1.00E-07	3.67E-08	5.00E-08	1.87E-08	1.00E-07	3.67E-08
3380	493863.1	3848377	3.06E-04	3.13E-04	2.95E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.72E-07	7.83E-08	7.39E-08	0.00E+00	0.00E+00	3.40E-08	6.43E-09	4.08E-08	6.29E-09	5.72E-09	9.32E-08	9.64E-08	3.54E-08	4.81E-08	1.80E-08	9.64E-08	3.54E-08
3381	494363.1	3848377	2.97E-04	3.04E-04	2.87E-04	1.03E-07	3.10E-07	1.79E-07	1.84E-07	1.67E-07	7.60E-08	7.17E-08	0.00E+00	0.00E+00	3.30E-08	6.24E-09	3.96E-08	6.11E-09	5.55E-09	9.05E-08	9.36E-08	3.43E-08	4.67E-08	1.75E-08	9.36E-08	3.43E-08
3382	494863.1	3848377	2.94E-04	3.01E-04	2.84E-04	1.02E-07	3.07E-07	1.78E-07	1.82E-07	1.65E-07	7.53E-08	7.10E-08	0.00E+00	0.00E+00	3.27E-08	6.18E-09	3.92E-08	6.05E-09	5.50E-09	8.96E-08	9.27E-08	3.40E-08	4.63E-08	1.73E-08	9.27E-08	3.40E-08
3383	495363.1	3848377	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	0.00E+00	0.00E+00	3.12E-08	5.90E-09	3.74E-08	5.77E-09	5.25E-09	8.56E-08	8.85E-08	3.25E-08	4.42E-08	1.65E-08	8.85E-08	3.25E-08
3384	495863.1	3848377	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	0.00E+00	0.00E+00	3.06E-08	5.77E-09	3.66E-08	5.65E-09	5.14E-09	8.38E-08	8.66E-08	3.18E-08	4.32E-08	1.62E-08	8.66E-08	3.18E-08
3385	496363.1	3848377	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	0.00E+00	0.00E+00	3.12E-08	5.90E-09	3.74E-08	5.77E-09	5.25E-09	8.56E-08	8.85E-08	3.25E-08	4.42E-08	1.65E-08	8.85E-08	3.25E-08
3386	496863.1	3848377	2.73E-04	2.80E-04	2.64E-04	9.45E-08	2.85E-07	1.65E-07	1.69E-07	1.53E-07	7.00E-08	6.60E-08	0.00E+00	0.00E+00	3.04E-08	5.74E-09	3.64E-08	5.62E-09	5.11E-09	8.33E-08	8.62E-08	3.16E-08	4.30E-08	1.61E-08	8.62E-08	3.16E-08
3387	497363.1	3848377	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	0.00E+00	0.00E+00	3.15E-08	5.96E-09	3.78E-08	5.83E-09	5.31E-09	8.65E-08	8.94E-08	3.28E-08	4.46E-08	1.67E-08	8.94E-08	3.28E-08
3388	497863.1	3848377	3.16E-04	3.23E-04	3.05E-04	1.09E-07	3.30E-07	1.91E-07	1.96E-07	1.77E-07	8.10E-08	7.64E-08	0.00E+00	0.00E+00	3.52E-08	6.64E-09	4.22E-08	6.50E-09	5.91E-09	9.64E-08	9.97E-08	3.66E-08	4.98E-08	1.86E-08	9.97E-08	3.66E-08
3389	498363.1	3848377	3.14E-04	3.22E-04	3.04E-04	1.09E-07	3.29E-07	1.90E-07	1.95E-07	1.77E-07	8.06E-08	7.60E-08	0.00E+00	0.00E+00	3.50E-08	6.61E-09	4.20E-08	6.47E-09	5.89E-09	9.59E-08	9.92E-08	3.64E-08	4.95E-08	1.85E-08	9.92E-08	3.64E-08
3390	471363.1	3848877	5.24E-04	5.37E-04	5.06E-04	1.81E-07	5.48E-07	3.17E-07	3.25E-07	2.94E-07	1.34E-07	1.27E-07	0.00E+00	0.00E+00	5.83E-08	1.10E-08	6.99E-08	1.08E-08	9.81E-09	1.60E-07	1.65E-07	6.07E-08	8.25E-08	3.08E-08	1.65E-07	6.07E-08
3391	471863.1	3848877	5.83E-04	5.97E-04	5.63E-04	2.02E-07	6.09E-07	3.53E-07	3.61E-07	3.28E-07	1.49E-07	1.41E-07	0.00E+00	0.00E+00	6.49E-08	1.23E-08	7.78E-08	1.20E-08	1.09E-08	1.78E-07	1.84E-07	6.75E-08	9.18E-08	3.43E-08	1.84E-07	6.75E-08
3392	472363.1	3848877	6.61E-04	6.77E-04	6.39E-04	2.29E-07	6.91E-07	4.00E-07	4.10E-07	3.71E-07	1.69E-07	1.60E-07	0.00E+00	0.00E+00	7.36E-08	1.39E-08	8.83E-08	1.36E-08	1.24E-08	2.02E-07	2.09E-07	7.65E-08	1.04E-07	3.89E-08	2.09E-07	7.65E-08
3393	472863.1	3848877	7.78E-04	7.97E-04	7.51E-04	2.69E-07	8.13E-07	4.71E-07	4.82E-07	4.37E-07	1.99E-07	1.88E-07	0.00E+00	0.00E+00	8.66E-08	1.64E-08	1.04E-07	1.60E-08	1.46E-08	2.37E-07	2.45E-07	9.00E-08	1.23E-07	4.58E-08	2.45E-07	9.00E-08
3394	473363.1	3848877	9.50E-04	9.73E-04	9.18E-04	3.29E-07	9.93E-07	5.75E-07	5.89E-07	5.34E-07	2.44E-07	2.30E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.78E-08	2.90E-07	3.00E-07	1.10E-07	1.50E-07	5.60E-08	3.00E-07	1.10E-07
3395	473863.1	3848877	1.26E-03	1.29E-03	1.22E-03	4.36E-07	1.32E-06	7.62E-07	7.80E-07	7.07E-07	3.23E-07	3.04E-07	0.00E+00	0.00E+00	1.40E-07	2.65E-08	1.68E-07	2.59E-08	2.36E-08	3.84E-07	3.97E-07	1.46E-07	1.98E-07	7.41E-08	3.97E-07	1.46E-07
3396	474363.1	3848877	1.95E-03	2.00E-03	1.89E-03	6.76E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.01E-07	4.72E-07	0.00E+00	0.00E+00	2.18E-07	4.11E-08	2.61E-07	4.02E-08	3.66E-08	5.96E-07	6.17E-07	2.26E-07	3.08E-07	1.15E-07	6.17E-07	2.26E-07
3397	474863.1	3848877	6.31E-03	6.46E-03	6.09E-03	2.18E-06	6.59E-06	3.82E-06	3.91E-06	3.54E-06	1.62E-06	1.52E-06	0.00E+00	0.00E+00	7.02E-07	1.33E-07	8.42E-07	1.30E-07	1.18E-07	1.92E-06	1.99E-06	7.30E-07	9.93E-07	3.71E-07	1.99E-06	7.30E-07

3398	475363.1	3848877	1.36E-02	1.39E-02	1.31E-02	4.70E-06	1.42E-05	8.22E-06	8.42E-06	7.63E-06	3.48E-06	3.29E-06	0.00E+00	0.00E+00	1.51E-06	2.86E-07	1.81E-06	2.80E-07	2.54E-07	4.15E-06	4.29E-06	1.57E-06	2.14E-06	8.00E-07	4.29E-06	1.57E-06
3399	475863.1	3848877	6.64E-03	6.80E-03	6.41E-03	2.30E-06	6.94E-06	4.01E-06	4.11E-06	3.73E-06	1.70E-06	1.60E-06	0.00E+00	0.00E+00	7.39E-07	1.40E-07	8.86E-07	1.37E-07	1.24E-07	2.02E-06	2.09E-06	7.68E-07	1.05E-06	3.91E-07	2.09E-06	7.68E-07
3400	476363.1	3848877	4.65E-03	4.76E-03	4.49E-03	1.61E-06	4.86E-06	2.81E-06	2.88E-06	2.61E-06	1.19E-06	1.12E-06	0.00E+00	0.00E+00	5.18E-07	9.78E-08	6.21E-07	9.57E-08	8.70E-08	1.42E-06	1.47E-06	5.38E-07	7.32E-07	2.74E-07	1.47E-06	5.38E-07
3401	476863.1	3848877	3.53E-03	3.61E-03	3.41E-03	1.22E-06	3.69E-06	2.14E-06	2.19E-06	1.98E-06	9.05E-07	8.53E-07	0.00E+00	0.00E+00	3.93E-07	7.42E-08	4.71E-07	7.26E-08	6.61E-08	1.08E-06	1.11E-06	4.08E-07	5.56E-07	2.08E-07	1.11E-06	4.08E-07
3402	477363.1	3848877	3.19E-03	3.27E-03	3.08E-03	1.11E-06	3.34E-06	1.93E-06	1.98E-06	1.79E-06	8.18E-07	7.72E-07	0.00E+00	0.00E+00	3.55E-07	6.72E-08	4.26E-07	6.57E-08	5.98E-08	9.74E-07	1.01E-06	3.70E-07	5.03E-07	1.88E-07	1.01E-06	3.70E-07
3403	477863.1	3848877	2.60E-03	2.67E-03	2.52E-03	9.02E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.68E-07	6.30E-07	0.00E+00	0.00E+00	2.90E-07	5.48E-08	3.48E-07	5.36E-08	4.88E-08	7.95E-07	8.22E-07	3.02E-07	4.10E-07	1.53E-07	8.22E-07	3.02E-07
3404	478363.1	3848877	2.20E-03	2.26E-03	2.13E-03	7.63E-07	2.30E-06	1.33E-06	1.37E-06	1.24E-06	5.65E-07	5.33E-07	0.00E+00	0.00E+00	2.45E-07	4.64E-08	2.94E-07	4.54E-08	4.13E-08	6.72E-07	6.95E-07	2.55E-07	3.47E-07	1.30E-07	6.95E-07	2.55E-07
3405	478863.1	3848877	1.84E-03	1.89E-03	1.78E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.04E-06	4.73E-07	4.46E-07	0.00E+00	0.00E+00	2.05E-07	3.88E-08	2.46E-07	3.80E-08	3.45E-08	5.63E-07	5.82E-07	2.14E-07	2.91E-07	1.09E-07	5.82E-07	2.14E-07
3406	479363.1	3848877	1.52E-03	1.55E-03	1.46E-03	5.25E-07	1.58E-06	9.17E-07	9.39E-07	8.52E-07	3.89E-07	3.66E-07	0.00E+00	0.00E+00	1.69E-07	3.19E-08	2.02E-07	3.12E-08	2.84E-08	4.62E-07	4.78E-07	1.75E-07	2.39E-07	8.92E-08	4.78E-07	1.75E-07
3407	479863.1	3848877	1.26E-03	1.29E-03	1.22E-03	4.36E-07	1.32E-06	7.62E-07	7.80E-07	7.07E-07	3.23E-07	3.04E-07	0.00E+00	0.00E+00	1.40E-07	2.65E-08	1.68E-07	2.59E-08	2.36E-08	3.84E-07	3.97E-07	1.46E-07	1.98E-07	7.41E-08	3.97E-07	1.46E-07
3408	480363.1	3848877	1.18E-03	1.20E-03	1.14E-03	4.07E-07	1.23E-06	7.12E-07	7.29E-07	6.61E-07	3.02E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.20E-08	3.59E-07	3.71E-07	1.36E-07	1.85E-07	6.92E-08	3.71E-07	1.36E-07
3409	480863.1	3848877	1.11E-03	1.14E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.87E-07	6.23E-07	2.84E-07	2.68E-07	0.00E+00	0.00E+00	1.23E-07	2.33E-08	1.48E-07	2.28E-08	2.08E-08	3.38E-07	3.50E-07	1.28E-07	1.75E-07	6.52E-08	3.50E-07	1.28E-07
3410	481363.1	3848877	1.02E-03	1.04E-03	9.81E-04	3.51E-07	1.06E-06	6.14E-07	6.29E-07	5.70E-07	2.60E-07	2.46E-07	0.00E+00	0.00E+00	1.13E-07	2.14E-08	1.36E-07	2.09E-08	1.90E-08	3.10E-07	3.20E-07	1.18E-07	1.60E-07	5.98E-08	3.20E-07	1.18E-07
3411	481863.1	3848877	9.08E-04	9.30E-04	8.77E-04	3.14E-07	9.49E-07	5.49E-07	5.63E-07	5.10E-07	2.33E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.70E-08	2.77E-07	2.86E-07	1.05E-07	1.43E-07	5.34E-08	2.86E-07	1.05E-07
3412	482363.1	3848877	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	0.00E+00	0.00E+00	8.95E-08	1.69E-08	1.07E-07	1.66E-08	1.51E-08	2.45E-07	2.54E-07	9.31E-08	1.27E-07	4.74E-08	2.54E-07	9.31E-08
3413	482863.1	3848877	7.25E-04	7.42E-04	7.00E-04	2.51E-07	7.57E-07	4.38E-07	4.49E-07	4.07E-07	1.86E-07	1.75E-07	0.00E+00	0.00E+00	8.07E-08	1.52E-08	9.67E-08	1.49E-08	1.36E-08	2.21E-07	2.29E-07	8.39E-08	1.14E-07	4.27E-08	2.29E-07	8.39E-08
3414	483363.1	3848877	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	0.00E+00	0.00E+00	7.39E-08	1.40E-08	8.86E-08	1.37E-08	1.24E-08	2.03E-07	2.10E-07	7.69E-08	1.05E-07	3.91E-08	2.10E-07	7.69E-08
3415	483863.1	3848877	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	0.00E+00	0.00E+00	7.08E-08	1.34E-08	8.49E-08	1.31E-08	1.19E-08	1.94E-07	2.01E-07	7.36E-08	1.00E-07	3.74E-08	2.01E-07	7.36E-08
3416	484363.1	3848877	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	0.00E+00	0.00E+00	7.33E-08	1.38E-08	8.79E-08	1.35E-08	1.23E-08	2.01E-07	2.08E-07	7.62E-08	1.04E-07	3.87E-08	2.08E-07	7.62E-08
3417	484863.1	3848877	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	0.00E+00	0.00E+00	7.48E-08	1.41E-08	8.96E-08	1.38E-08	1.26E-08	2.05E-07	2.12E-07	7.77E-08	1.06E-07	3.95E-08	2.12E-07	7.77E-08
3418	485363.1	3848877	6.45E-04	6.61E-04	6.23E-04	2.23E-07	6.74E-07	3.90E-07	4.00E-07	3.62E-07	1.65E-07	1.56E-07	0.00E+00	0.00E+00	7.18E-08	1.36E-08	8.61E-08	1.33E-08	1.21E-08	1.97E-07	2.04E-07	7.47E-08	1.02E-07	3.80E-08	2.04E-07	7.47E-08
3419	485863.1	3848877	6.20E-04	6.35E-04	5.99E-04	2.15E-07	6.48E-07	3.75E-07	3.84E-07	3.48E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.90E-08	1.30E-08	8.27E-08	1.28E-08	1.16E-08	1.89E-07	1.96E-07	7.18E-08	9.77E-08	3.65E-08	1.96E-07	7.18E-08
3420	486363.1	3848877	5.84E-04	5.99E-04	5.65E-04	2.02E-07	6.11E-07	3.54E-07	3.62E-07	3.28E-07	1.50E-07	1.41E-07	0.00E+00	0.00E+00	6.51E-08	1.23E-08	7.80E-08	1.20E-08	1.09E-08	1.78E-07	1.84E-07	6.77E-08	9.21E-08	3.44E-08	1.84E-07	6.77E-08
3421	486863.1	3848877	5.48E-04	5.61E-04	5.29E-04	1.90E-07	5.72E-07	3.31E-07	3.39E-07	3.08E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.10E-08	1.15E-08	7.31E-08	1.13E-08	1.03E-08	1.67E-07	1.73E-07	6.34E-08	8.63E-08	3.22E-08	1.73E-07	6.34E-08
3422	487363.1	3848877	5.33E-04	5.46E-04	5.15E-04	1.84E-07	5.57E-07	3.22E-07	3.30E-07	2.99E-07	1.37E-07	1.29E-07	0.00E+00	0.00E+00	5.93E-08	1.12E-08	7.11E-08	1.10E-08	9.98E-09	1.63E-07	1.68E-07	6.17E-08	8.39E-08	3.14E-08	1.68E-07	6.17E-08
3423	487863.1	3848877	5.11E-04	5.23E-04	4.93E-04	1.77E-07	5.34E-07	3.09E-07	3.16E-07	2.87E-07	1.31E-07	1.23E-07	0.00E+00	0.00E+00	5.68E-08	1.07E-08	6.82E-08	1.05E-08	9.56E-09	1.56E-07	1.61E-07	5.91E-08	8.04E-08	3.01E-08	1.61E-07	5.91E-08
3424	488363.1	3848877	4.93E-04	5.05E-04	4.76E-04	1.71E-07	5.15E-07	2.98E-07	3.05E-07	2.77E-07	1.26E-07	1.19E-07	0.00E+00	0.00E+00	5.49E-08	1.04E-08	6.58E-08	1.01E-08	9.23E-09	1.50E-07	1.56E-07	5.71E-08	7.77E-08	2.90E-08	1.56E-07	5.71E-08
3425	488863.1	3848877	4.75E-04	4.87E-04	4.59E-04	1.65E-07	4.97E-07	2.88E-07	2.95E-07	2.67E-07	1.22E-07	1.15E-07	0.00E+00	0.00E+00	5.29E-08	1.00E-08	6.34E-08	9.78E-09	8.90E-09	1.45E-07	1.50E-07	5.50E-08	7.49E-08	2.80E-08	1.50E-07	5.50E-08
3426	489363.1	3848877	4.65E-04	4.76E-04	4.49E-04	1.61E-07	4.86E-07	2.81E-07	2.88E-07	2.61E-07	1.19E-07	1.12E-07	0.00E+00	0.00E+00	5.18E-08	9.78E-09	6.21E-08	9.57E-09	8.70E-09	1.42E-07	1.47E-07	5.38E-08	7.32E-08	2.74E-08	1.47E-07	5.38E-08
3427	489863.1	3848877	4.56E-04	4.67E-04	4.41E-04	1.58E-07	4.77E-07	2.76E-07	2.83E-07	2.56E-07	1.17E-07	1.10E-07	0.00E+00	0.00E+00	5.08E-08	9.59E-09	6.09E-08	9.39E-09	8.54E-09	1.39E-07	1.44E-07	5.28E-08	7.18E-08	2.68E-08	1.44E-07	5.28E-08
3428	490363.1	3848877	4.34E-04	4.44E-04	4.19E-04	1.50E-07	4.54E-07	2.63E-07	2.69E-07	2.44E-07	1.11E-07	1.05E-07	0.00E+00	0.00E+00	4.83E-08	9.13E-09	5.79E-08	8.93E-09	8.12E-09	1.32E-07	1.37E-07	5.02E-08	6.84E-08	2.55E-08	1.37E-07	5.02E-08
3429	490863.1	3848877	4.13E-04	4.23E-04	3.99E-04	1.43E-07	4.32E-07	2.50E-07	2.56E-07	2.32E-07	1.06E-07	9.99E-08	0.00E+00	0.00E+00	4.60E-08	8.69E-09	5.52E-08	8.51E-09	7.74E-09	1.26E-07	1.30E-07	4.78E-08	6.51E-08	2.43E-08	1.30E-07	4.78E-08
3430	491363.1	3848877	3.97E-04	4.07E-04	3.84E-04	1.37E-07	4.15E-07	2.40E-07	2.46E-07	2.23E-07	1.02E-07	9.60E-08	0.00E+00	0.00E+00	4.42E-08	8.35E-09	5.30E-08	8.17E-09	7.43E-09	1.21E-07	1.25E-07	4.60E-08	6.25E-08	2.34E-08	1.25E-07	4.60E-08
3431	491863.1	3848877	3.73E-04	3.82E-04	3.61E-04	1.29E-07	3.90E-07	2.26E-07	2.31E-07	2.10E-07	9.57E-08	9.03E-08	0.00E+00	0.00E+00	4.16E-08	7.85E-09	4.98E-08	7.69E-09	6.99E-09	1.14E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
3432	492363.1	3848877	3.51E-04	3.60E-04	3.39E-04	1.22E-07	3.67E-07	2.13E-07	2.18E-07	1.97E-07	9.00E-08	8.49E-08	0.00E+00	0.00E+00	3.91E-08	7.39E-09	4.69E-08	7.23E-09	6.58E-09	1.07E-07	1.11E-07	4.07E-08	5.53E-08	2.07E-08	1.11E-07	4.07E-08
3433	492863.1	3848877	3.28E-04	3.36E-04	3.17E-04	1.13E-07	3.42E-07	1.98E-07	2.03E-07	1.84E-07	8.40E-08	7.92E-08	0.00E+00	0.00E+00	3.65E-08	6.89E-09	4.37E-08	6.74E-09	6.13E-09	1.00E-07	1.03E-07	3.79E-08	5.16E-08	1.93E-08	1.03E-07	3.79E-08
3434	493363.1	3848877	3.06E-04	3.13E-04	2.95E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.72E-07	7.83E-08	7.39E-08	0.00E+00	0.00E+00	3.40E-08	6.43E-09	4.08E-08	6.29E-09	5.72E-09	9.32E-08	9.64E-08	3.54E-08	4.81E-08	1.80E-08	9.64E-08	3.54E-08
3435	493863.1	3848877	3.03E-04	3.10E-04	2.92E-04	1.05E-07	3.16E-07	1.83E-07	1.88E-07	1.70E-07	7.76E-08	7.32E-08	0.00E+00	0.00E+00	3.37E-08	6.36E-09	4.04E-08	6.23E-09	5.66E-09	9.23E-08	9.55E-08	3.50E-08	4.77E-08	1.78E-08	9.55E-08	3.50E-08
3436	494363.1	3848877	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	0.00E+00	0.00E+00	3.29E-08	6.21E-09	3.94E-08	6.08E-09	5.53E-09	9.01E-08	9.32E-08	3.42E-08	4.65E-08	1.74E-08	9.32E-08	3.42E-08
3437	494863.1	3848877	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	0.00E+00	0.00E+00	3.29E-08	6.21E-09	3.94E-08	6.08E-09	5.53E-09	9.01E-08	9.32E-08	3.42E-08	4.65E-08	1.74E-08	9.32E-08	3.42E-08
3438	495363.1	3848877	2.92E-04	2.99E-04	2.82E-04	1.01E-07	3.05E-07	1.77E-07	1.81E-07	1.64E-07	7.49E-08	7.07E-08	0.00E+00	0.00E+00	3.25E-08	6.15E-09	3.90E-08	6.02E-09	5.47E-09	8.92E-08	9.22E-08	3.38E-08	4.60E-08	1.72E-08	9.22E-08	3.38E-08
3439	495863.1	3848877	2.77E-04	2.84E-04	2.68E-04	9.60E-08	2.90E-07	1.68E-07	1.72E-07	1.56E-07	7.11E-08	6.71E-08	0.00E+00	0.00E+00	3.09E-08	5.84E-09	3.70E-08	5.71E-09	5.19E-09	8.47E-08	8.76E-08	3.21E-08	4.37E-08	1.63E-08	8.76E-08	3.21E-08
3440	496363.1	3848877	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	0.00E+00	0.00E+00	3.06E-08	5.77E-09	3.66E-08	5.65E-09	5.14E-09	8.38E-08	8.66E-08	3.18E-08	4.32E-08	1.62E-08	8.66E-08	3.18E-08
3441	496863.1	3848877	2.85E-04	2.92E-04	2.75E-04	9.86E-08	2.98E-07	1.72E-07	1.77E-07	1.60E-07	7.30E-08	6.89E-08	0.00E+00	0.00E+00	3.17E-08	5.99E-09	3.80E-08	5.86E-09	5.33E-09	8.69E-08	8.99E-08	3.30E-08	4.49E-08	1.68E-08	8.99E-08	3.30E-08
3442	497363.1	3848877	3.11E-04	3.19E-04	3.01E-04	1.08E-07	3.25E-07	1.88E-07	1.93E-07	1.75E-07	7.98E-08	7.53E-08	0.00E+00	0.00E+00	3.47E-08	6.55E-09	4.16E-08	6.41E-09	5.83E-09	9.50E-08	9.83E-08	3.60E-08	4.91E-08	1.83E-08	9.83E-08	3.60E-08
3443	497863.1	3848877	3.19E-04	3.27E-04	3.08E-04	1.10E-07	3.33E-07	1.93E-07	1.98E-07	1.79E-07	8.17E-08	7.71E-08	0.00E+00	0.00E+00	3.55E-08	6.71E-09	4.26E-08	6.56E-09	5.97E-09	9.73E-08	1.01E-07	3.69E-08	5.02E-08	1.88E-08	1.01E-07	3.69E-08
3444	498363.1	3848877	3.23E-04	3.31E-04	3.12E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.82E-07	8.29E-08	7.82E-08	0.00E+00	0.00E+00	3.60E-08	6.80E-09	4.31E-08	6.65E-09	6.05E-09	9.86E-08	1.02E-07	3.74E-08	5.09E-08	1.90E-08	1.02E-07	3.74E-08
3445	471363.1	3849377	4.59E-04	4.70E-04	4.43E-04	1.59E-07	4.80E-07	2.78E-07	2.84E-07	2.58E-07	1.18E-07	1.11E-07	0.00E+00	0.00E+00	5.11E-08	9.66E-09	6.13E-08	9.45E-09	8.59E-09	1.40E-07	1.45E-07	5.31E-08	7.23E-08	2.70E-08	1.45E-07	5.31E-08
3446	471863.1	3849377	5.08E-04	5.20E-04	4.90E-04	1.76E-07	5.31E-07	3.07E-07	3.15E-07	2.85E-07	1.30E-07	1.23E-07	0.00E+00	0.00E+00	5.65E-08	1.07E-08	6.78E-08	1.05E-08	9.51E-09	1.55E-07	1.60E-07	5.88E-08	8.00E-08	2.99E-08	1.60E-07	5.88E-08
3447	472363.1	3849377	5.64E-04	5.77E-04	5.45E-04	1.95E-07	5.89E-07	3.41E-07	3.49E-07	3.17E-07	1.45E-07	1.36E-07	0.00E+00	0.00E+00	6.28E-08	1.19E-08	7.53E-08	1.16E-08	1.06E-08	1.72E-07	1.78E-07	6.53E-08	8.88E-08	3.32E-08	1.78E-07	6.53E-08
3448	472863.1	3849377	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	0.00E+00	0.00E+00	7.08E-08	1.34E-08	8.49E-08	1.31E-08	1.19E-08	1.94E-07	2.01E-07	7.36E-08	1.00E-07	3.74E-08	2.01E-07	7.36E-08
3449	473363.1	3849377	7.44E-04	7.62E-04	7.19E-04	2.57E-07	7.77E-07	4.50E-07	4.61E-07	4.18E-07	1.91E-07	1.80E-07	0.00E+00	0.00E+00	8.28E-08	1.56E-08	9.93E-08	1.53E-08	1.39E-08	2.27E-07	2.35E-07	8.61E-08	1.17E-07	4.38E-08	2.35E-07	8.61E-08
3450	473863.1	3849377	9.02E-04	9.24E-04	8.71E-04	3.12E-07	9.43E-07	5.46E-07	5.59E-07	5.07E-07	2.31E-07	2.18E-07	0.00E+00	0.00E+00	1.00E-07	1.90E-08	1.20E-07	1.86E-08	1.69E-08	2.75E-07	2.85E-07	1.04E-07	1.42E-07	5.31E-08	2.85E-07	1.04E-07
3451	474363.1	3849377	1.14E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.92E-07	7.09E-07	6.43E-07	2.93E-07	2.77E-07	0.00E+00	0.00E+00	1.27E-07	2.41E-08	1.53E-07	2.35E-08	2.14E-08	3.49E-07	3.61E-07	1.32E-07	1.80E-07	6.73E-08	3.61E-07	1.32E-07
3452	474863.1	3849377	1.58E-03	1.62E-03	1.53E-03	5.47E-07	1.65E-06	9.56E-07	9.80E-07	8.88E-07	4.05E-07	3.82E-07	0.00E+00	0.00E+00	1.76E-07	3.32E-08	2.11E-07	3.25E-08	2.96E-08	4.82E-07	4.99E-07	1.83E-07	2.49E-07	9.31E-08	4.99E-07	1.83E-07
3453	475363.1	3849377	2.58E-03	2.64E-03	2.49E-03	8.93E-07	2.69E-06	1.56E-06	1.60E-06	1.45E-06	6.61E-07	6.23E-07	0.00E+00	0.00E+00	2.87E-07	5.42E-08	3.44E-07	5.31E-08	4.83E-08	7.87E-07	8.14E-07	2.98E-07	4.06E-07	1.52E-07	8.14E-07	2.98E-07
3454	475863.1	3849377	4.46E-03	4.57E-03	4.31E-03	1.54E-06	4.66E-06	2.70E-06	2.76E-06	2.50E-06	1.14E-06	1.08E-06	0.00E+00	0.00E+00	4.96E-07	9.38E-08	5.95E-07	9.18E-08	8.35E-08	1.36E-06	1.41E-06	5.16E-07	7.02E-07	2.62E-07	1.41E-06	5.16E-07
3455	476363.1	3849377	9.75E-03	9.98E-03	9.42E-03	3.37E-06	1.02E-05	5.90E-06	6.04E-06	5.48E-06	2.50E-06	2.36E-06	0.00E+00	0.00E+00	1.09E-06	2.05E-07	1.30E-06	2.01E-07	1.83E-07	2.97E-06	3.08E-06	1.13E-06	1.54E-06	5.74E-07	3.08E-06	1.13E-06
3456	476863.1	3849377	2.70E-02	2.76E-02	2.61E-02	9.34E-06	2.82E-05	1.63E-05	1.67E-05	1.52E-05	6.92E-06	6.52E-06	0.00E+00	0.00E+00	3.00E-06	5.68E-07	3.60E-06	5.55E-07	5.05E-07	8.23E-06	8.52E-06	3.12E-06	4.25E-06	1.59E-06	8.52E-06	3.12E-06
3457	477363.1	3849377	7.75E-03	7.94E-03	7.49E-03	2.68E-06	8.10E-06	4.69E-06	4.81E-06	4.36E-06	1.99E-06	1.87E-06	0.00E+00	0.00E+00	8.63E-07	1.63E-07	1.04E-06	1.60E-07	1.45E-07	2.37E-06	2.45E-06	8.98E-07	1.22E-06	4.56E-07	2.45E-06	8.98E-07
3458	477863.1	3849377	4.65E-03	4.76E-03	4.49E-03	1.61E-06	4.86E-06	2.81E-06	2.88E-06	2.61E-06	1.19E-06	1.12E-06	0.00E+00	0.00E+00	5.18E-07	9.79E-08	6.21E-07	9.58E-08	8.71E-08	1.42E-06	1.47E-06	5.39E-07	7.33E-07	2.74E-07	1.47E-06	5.39E-07
3459	478363.1	3849377	3.43E-03	3.51E-03	3.31E-03	1.19E-06	3.58E-06	2.07E-06	2.12E-06	1.92E-06	8.78E-07	8.28E-07	0.00E+00	0.00E+00	3.81E-07	7.21E-08	4.57E-07	7.05E-08	6.41E-08	1.05E-06	1.08E-06	3.97E-07	5.40E-07	2.02E-07	1.08E-06	3.97E-07
3460	478863.1	3849377	2.59E-03	2.65E-03	2.50E-03	8.96E-07	2.71E-06	1.57E-06	1.60E-06	1.45E-06	6.64E-07	6.26E-07	0.00E+00	0.00E+00	2.88E-07	5.45E-08	3.46E-07	5.33E-08	4.85E-08	7.90E-07	8.17E-07	3.00E-07	4.08E-07	1.52E-07	8.17E-07	3.00E-07
3461	479363.1	3849377	2.12E-03	2.17E-03	2.04E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.43E-07	5.12E-07	0.00E+00	0.00E+00	2.36E-07	4.45E-08	2.82E-07	4.36E-08	3.96E-08	6.46E-07	6.68E-07	2.45E-07	3.33E-07	1.25E-07	6.68E-07	2.45E-07
3462	479863.1	3849377	1.66E-03	1.70E-03	1.61E-03	5.76E-07	1.74E-06	1.01E-06	1.03E-06	9.34E-07	4.26E-07	4.02E-07	0.00E+00	0.00E+00	1.85E-07	3.50E-08	2.22E-07	3.42E-08	3.11E-08	5.08E-07	5.25E-07	1.93E-07	2.62E-07	9.79E-08	5.25E-07	1.93E-07
3463	480363.1	3849377	1.58E-03	1.61E-03	1.52E-03	5.46E-07	1.65E-06	9.54E-07	9.77E-07	8.85E-07	4.04E-07	3.81E-07	0.00E+00	0.00E+00	1.75E-07	3.32E-08	2.10E-07	3.24E-08	2.95E-08	4.81E-07	4.97E-07	1.82E-07	2.48E-07	9.28E-08	4.97E-07	1.82E-07
3464	480863.1	3849377	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.59E-07	7.79E-07	3.55E-07	3.35E-07	0.00E+00	0.00E+00	1.54E-07	2.92E-08	1.85E-07	2.85E-08	2.59E-08	4.23E-07	4.37E-07	1.60E-07	2.18E-07	8.16E-08	4.37E-07	1.60E-07
3465	481363.1	3849377	1.19E-03	1.22E-03	1.15E-03	4.11E-07	1.24E-06	7.18E-07	7.35E-07	6.67E-07	3.04E-07	2.87E-07	0.00E+00	0.00E+00	1.32E-07	2.50E-08	1.58E-07	2.44E-08	2.22E-08	3.62E-07	3.75E-07	1.37E-07	1.87E-07	6.99E-08	3.75E-07	1.37E-07
3466	481863.1	3849377	9.73E-04	9.96E-04	9.40E-04	3.37E-07	1.02E-06	5.88E-07	6.03E-07	5.46E-07	2.49E-07	2.35E-07	0.00E+00	0.00E+00	1.08E-07	2.05E-08	1.30E-07	2.00E-08	1.82E-08	2.97E-07	3.07E-07	1.13E-07	1.53E-07	5.73E-08	3.07E-07	1.13E-07
3467	482363.1	3849377	8.68E-04	8.89E-04	8.38E-04	3.00E-07	9.07E-07	5.25E-07	5.38E-07	4.88E-07	2.22E-07	2.10E-07	0.00E+00	0.00E+00	9.66E-08	1.83E-08	1.16E-07	1.79E-08	1.62E-08	2.65E-07	2.74E-07	1.00E-07	1.37E-07	5.11E-08	2.74E-07	1.00E-07
3468	482863.1	3849377	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	0.00E+00	0.00E+00	8.51E-08	1.61E-08	1.02E-07	1.57E-08	1.43E-08	2.33E-07	2.41E-07	8.85E-08	1.20E-07	4.50E-08	2.41E-07	8.85E-08
3469	483363.1	3849377	7.03E-04	7.20E-04	6.79E-04	2.43E-07	7.34E-07	4.25E-07	4.35E-07	3.95E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.82E-08	1.48E-08	9.38E-08	1.45E-08	1.32E-08	2.14E-07	2.22E-07	8.13E-08	1.11E-07	4.14E-08	2.22E-07	8.13E-08
3470	483863.1	3849377	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.33E-08	8.41E-08	1.30E-08	1.18E-08	1.92E-07	1.99E-07	7.30E-08	9.93E-08	3.71E-08	1.99E-07	7.30E-08
3471	484363.1	3849377	7.17E-04	7.35E-04	6.93E-04	2.48E-07	7.50E-07	4.34E-07	4.45E-07	4.03E-07	1.84E-07	1.73E-07	0.00E+00	0.00E+00	7.98E-08	1.51E-08	9.57E-08	1.48E-08	1.34E-08	2.19E-07	2.26E-07	8.30E-08	1.13E-07	4.22E-08	2.26E-07	8.30E-08

3472	484863.1	3849377	7.42E-04	7.60E-04	7.17E-04	2.57E-07	7.76E-07	4.49E-07	4.60E-07	4.17E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.26E-08	1.56E-08	9.91E-08	1.53E-08	1.39E-08	2.27E-07	2.34E-07	8.59E-08	1.17E-07	4.37E-08	2.34E-07	8.59E-08
3473	485363.1	3849377	7.11E-04	7.29E-04	6.87E-04	2.46E-07	7.44E-07	4.30E-07	4.41E-07	4.00E-07	1.82E-07	1.72E-07	0.00E+00	0.00E+00	7.92E-08	1.50E-08	9.50E-08	1.46E-08	1.33E-08	2.17E-07	2.25E-07	8.23E-08	1.12E-07	4.19E-08	2.25E-07	8.23E-08
3474	485863.1	3849377	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.33E-08	8.41E-08	1.30E-08	1.18E-08	1.92E-07	1.99E-07	7.30E-08	9.93E-08	3.71E-08	1.99E-07	7.30E-08
3475	486363.1	3849377	5.64E-04	5.77E-04	5.45E-04	1.95E-07	5.89E-07	3.41E-07	3.49E-07	3.17E-07	1.45E-07	1.36E-07	0.00E+00	0.00E+00	6.28E-08	1.19E-08	7.53E-08	1.16E-08	1.06E-08	1.72E-07	1.78E-07	6.53E-08	8.88E-08	3.32E-08	1.78E-07	6.53E-08
3476	486863.1	3849377	5.87E-04	6.02E-04	5.67E-04	2.03E-07	6.14E-07	3.55E-07	3.64E-07	3.30E-07	1.51E-07	1.42E-07	0.00E+00	0.00E+00	6.54E-08	1.24E-08	7.84E-08	1.21E-08	1.10E-08	1.79E-07	1.85E-07	6.80E-08	9.25E-08	3.46E-08	1.85E-07	6.80E-08
3477	487363.1	3849377	5.76E-04	5.90E-04	5.56E-04	1.99E-07	6.02E-07	3.48E-07	3.57E-07	3.23E-07	1.48E-07	1.39E-07	0.00E+00	0.00E+00	6.41E-08	1.21E-08	7.68E-08	1.18E-08	1.08E-08	1.76E-07	1.82E-07	6.66E-08	9.07E-08	3.39E-08	1.82E-07	6.66E-08
3478	487863.1	3849377	5.52E-04	5.65E-04	5.33E-04	1.91E-07	5.77E-07	3.34E-07	3.42E-07	3.10E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.14E-08	1.16E-08	7.37E-08	1.14E-08	1.03E-08	1.68E-07	1.74E-07	6.39E-08	8.70E-08	3.25E-08	1.74E-07	6.39E-08
3479	488363.1	3849377	5.30E-04	5.43E-04	5.12E-04	1.83E-07	5.54E-07	3.21E-07	3.28E-07	2.98E-07	1.36E-07	1.28E-07	0.00E+00	0.00E+00	5.90E-08	1.11E-08	7.07E-08	1.09E-08	9.92E-09	1.62E-07	1.67E-07	6.13E-08	8.35E-08	3.12E-08	1.67E-07	6.13E-08
3480	488863.1	3849377	5.14E-04	5.26E-04	4.96E-04	1.78E-07	5.37E-07	3.11E-07	3.18E-07	2.89E-07	1.32E-07	1.24E-07	0.00E+00	0.00E+00	5.72E-08	1.08E-08	6.86E-08	1.06E-08	9.62E-09	1.57E-07	1.62E-07	5.95E-08	8.09E-08	3.02E-08	1.62E-07	5.95E-08
3481	489363.1	3849377	4.99E-04	5.11E-04	4.82E-04	1.73E-07	5.21E-07	3.02E-07	3.09E-07	2.80E-07	1.28E-07	1.21E-07	0.00E+00	0.00E+00	5.55E-08	1.05E-08	6.66E-08	1.03E-08	9.34E-09	1.52E-07	1.57E-07	5.77E-08	7.86E-08	2.94E-08	1.57E-07	5.77E-08
3482	489863.1	3849377	4.80E-04	4.91E-04	4.63E-04	1.66E-07	5.01E-07	2.90E-07	2.97E-07	2.69E-07	1.23E-07	1.16E-07	0.00E+00	0.00E+00	5.34E-08	1.01E-08	6.40E-08	9.87E-09	8.98E-09	1.46E-07	1.51E-07	5.55E-08	7.56E-08	2.82E-08	1.51E-07	5.55E-08
3483	490363.1	3849377	4.53E-04	4.64E-04	4.38E-04	1.57E-07	4.74E-07	2.74E-07	2.81E-07	2.55E-07	1.16E-07	1.10E-07	0.00E+00	0.00E+00	5.04E-08	9.53E-09	6.05E-08	9.33E-09	8.48E-09	1.38E-07	1.43E-07	5.24E-08	7.14E-08	2.67E-08	1.43E-07	5.24E-08
3484	490863.1	3849377	4.32E-04	4.43E-04	4.18E-04	1.50E-07	4.52E-07	2.62E-07	2.68E-07	2.43E-07	1.11E-07	1.05E-07	0.00E+00	0.00E+00	4.81E-08	9.10E-09	5.77E-08	8.90E-09	8.10E-09	1.32E-07	1.36E-07	5.01E-08	6.81E-08	2.55E-08	1.36E-07	5.01E-08
3485	491363.1	3849377	4.15E-04	4.25E-04	4.01E-04	1.44E-07	4.33E-07	2.51E-07	2.57E-07	2.33E-07	1.06E-07	1.00E-07	0.00E+00	0.00E+00	4.62E-08	8.72E-09	5.54E-08	8.54E-09	7.76E-09	1.27E-07	1.31E-07	4.80E-08	6.53E-08	2.44E-08	1.31E-07	4.80E-08
3486	491863.1	3849377	3.88E-04	3.98E-04	3.75E-04	1.34E-07	4.06E-07	2.35E-07	2.41E-07	2.18E-07	9.95E-08	9.39E-08	0.00E+00	0.00E+00	4.32E-08	8.16E-09	5.18E-08	7.99E-09	7.27E-09	1.18E-07	1.23E-07	4.49E-08	6.11E-08	2.29E-08	1.23E-07	4.49E-08
3487	492363.1	3849377	3.65E-04	3.73E-04	3.52E-04	1.26E-07	3.81E-07	2.21E-07	2.26E-07	2.05E-07	9.34E-08	8.81E-08	0.00E+00	0.00E+00	4.06E-08	7.67E-09	4.87E-08	7.50E-09	6.83E-09	1.11E-07	1.15E-07	4.22E-08	5.74E-08	2.15E-08	1.15E-07	4.22E-08
3488	492863.1	3849377	3.34E-04	3.42E-04	3.22E-04	1.15E-07	3.49E-07	2.02E-07	2.07E-07	1.87E-07	8.55E-08	8.06E-08	0.00E+00	0.00E+00	3.71E-08	7.02E-09	4.45E-08	6.87E-09	6.24E-09	1.02E-07	1.05E-07	3.86E-08	5.25E-08	1.96E-08	1.05E-07	3.86E-08
3489	493363.1	3849377	3.19E-04	3.27E-04	3.08E-04	1.10E-07	3.33E-07	1.93E-07	1.98E-07	1.79E-07	8.17E-08	7.71E-08	0.00E+00	0.00E+00	3.55E-08	6.71E-09	4.26E-08	6.56E-09	5.97E-09	9.73E-08	1.01E-07	3.69E-08	5.02E-08	1.88E-08	1.01E-07	3.69E-08
3490	493863.1	3849377	3.08E-04	3.16E-04	2.98E-04	1.07E-07	3.22E-07	1.87E-07	1.91E-07	1.73E-07	7.91E-08	7.46E-08	0.00E+00	0.00E+00	3.43E-08	6.49E-09	4.12E-08	6.35E-09	5.78E-09	9.41E-08	9.74E-08	3.57E-08	4.86E-08	1.82E-08	9.74E-08	3.57E-08
3491	494363.1	3849377	3.07E-04	3.14E-04	2.97E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.87E-08	7.42E-08	0.00E+00	0.00E+00	3.42E-08	6.46E-09	4.10E-08	6.32E-09	5.75E-09	9.37E-08	9.69E-08	3.55E-08	4.84E-08	1.81E-08	9.69E-08	3.55E-08
3492	494863.1	3849377	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	0.00E+00	0.00E+00	3.57E-08	6.74E-09	4.27E-08	6.59E-09	6.00E-09	9.77E-08	1.01E-07	3.71E-08	5.05E-08	1.89E-08	1.01E-07	3.71E-08
3493	495363.1	3849377	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	0.00E+00	0.00E+00	3.57E-08	6.74E-09	4.27E-08	6.59E-09	6.00E-09	9.77E-08	1.01E-07	3.71E-08	5.05E-08	1.89E-08	1.01E-07	3.71E-08
3494	495863.1	3849377	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	0.00E+00	0.00E+00	3.14E-08	5.93E-09	3.76E-08	5.80E-09	5.28E-09	8.60E-08	8.90E-08	3.26E-08	4.44E-08	1.66E-08	8.90E-08	3.26E-08
3495	496363.1	3849377	2.73E-04	2.80E-04	2.64E-04	9.45E-08	2.85E-07	1.65E-07	1.69E-07	1.53E-07	7.00E-08	6.60E-08	0.00E+00	0.00E+00	3.04E-08	5.74E-09	3.64E-08	5.62E-09	5.11E-09	8.33E-08	8.62E-08	3.16E-08	4.30E-08	1.61E-08	8.62E-08	3.16E-08
3496	496863.1	3849377	3.07E-04	3.14E-04	2.97E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.87E-08	7.42E-08	0.00E+00	0.00E+00	3.42E-08	6.46E-09	4.10E-08	6.32E-09	5.75E-09	9.37E-08	9.69E-08	3.55E-08	4.84E-08	1.81E-08	9.69E-08	3.55E-08
3497	497363.1	3849377	3.13E-04	3.20E-04	3.02E-04	1.08E-07	3.27E-07	1.89E-07	1.94E-07	1.76E-07	8.02E-08	7.57E-08	0.00E+00	0.00E+00	3.48E-08	6.58E-09	4.18E-08	6.44E-09	5.86E-09	9.55E-08	9.88E-08	3.62E-08	4.93E-08	1.84E-08	9.88E-08	3.62E-08
3498	497863.1	3849377	3.44E-04	3.52E-04	3.32E-04	1.19E-07	3.59E-07	2.08E-07	2.13E-07	1.93E-07	8.81E-08	8.31E-08	0.00E+00	0.00E+00	3.83E-08	7.23E-09	4.59E-08	7.08E-09	6.44E-09	1.05E-07	1.09E-07	3.98E-08	5.42E-08	2.02E-08	1.09E-07	3.98E-08
3499	498363.1	3849377	3.32E-04	3.40E-04	3.21E-04	1.15E-07	3.47E-07	2.01E-07	2.06E-07	1.87E-07	8.51E-08	8.03E-08	0.00E+00	0.00E+00	3.70E-08	6.99E-09	4.43E-08	6.84E-09	6.22E-09	1.01E-07	1.05E-07	3.84E-08	5.23E-08	1.95E-08	1.05E-07	3.84E-08
3500	471363.1	3849877	3.87E-04	3.96E-04	3.74E-04	1.34E-07	4.04E-07	2.34E-07	2.40E-07	2.17E-07	9.91E-08	9.35E-08	0.00E+00	0.00E+00	4.30E-08	8.13E-09	5.16E-08	7.96E-09	7.24E-09	1.18E-07	1.22E-07	4.48E-08	6.09E-08	2.28E-08	1.22E-07	4.48E-08
3501	471863.1	3849877	4.53E-04	4.64E-04	4.38E-04	1.57E-07	4.74E-07	2.74E-07	2.81E-07	2.55E-07	1.16E-07	1.10E-07	0.00E+00	0.00E+00	5.04E-08	9.53E-09	6.05E-08	9.33E-09	8.48E-09	1.38E-07	1.43E-07	5.24E-08	7.14E-08	2.67E-08	1.43E-07	5.24E-08
3502	472363.1	3849877	5.03E-04	5.15E-04	4.86E-04	1.74E-07	5.26E-07	3.05E-07	3.12E-07	2.83E-07	1.29E-07	1.22E-07	0.00E+00	0.00E+00	5.60E-08	1.06E-08	6.72E-08	1.04E-08	9.42E-09	1.54E-07	1.59E-07	5.83E-08	7.93E-08	2.96E-08	1.59E-07	5.83E-08
3503	472863.1	3849877	5.52E-04	5.65E-04	5.33E-04	1.91E-07	5.77E-07	3.34E-07	3.42E-07	3.10E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.14E-08	1.16E-08	7.37E-08	1.14E-08	1.03E-08	1.68E-07	1.74E-07	6.39E-08	8.70E-08	3.25E-08	1.74E-07	6.39E-08
3504	473363.1	3849877	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	0.00E+00	0.00E+00	6.87E-08	1.30E-08	8.23E-08	1.27E-08	1.16E-08	1.88E-07	1.95E-07	7.14E-08	9.72E-08	3.63E-08	1.95E-07	7.14E-08
3505	473863.1	3849877	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.80E-08	1.47E-08	9.36E-08	1.44E-08	1.31E-08	2.14E-07	2.21E-07	8.12E-08	1.10E-07	4.13E-08	2.21E-07	8.12E-08
3506	474363.1	3849877	8.15E-04	8.34E-04	7.87E-04	2.82E-07	8.52E-07	4.93E-07	5.05E-07	4.58E-07	2.09E-07	1.97E-07	0.00E+00	0.00E+00	9.07E-08	1.71E-08	1.09E-07	1.68E-08	1.53E-08	2.49E-07	2.57E-07	9.43E-08	1.28E-07	4.80E-08	2.57E-07	9.43E-08
3507	474863.1	3849877	9.55E-04	9.78E-04	9.23E-04	3.31E-07	9.98E-07	5.78E-07	5.92E-07	5.36E-07	2.45E-07	2.31E-07	0.00E+00	0.00E+00	1.06E-07	2.01E-08	1.27E-07	1.97E-08	1.79E-08	2.91E-07	3.01E-07	1.11E-07	1.50E-07	5.62E-08	3.01E-07	1.11E-07
3508	475363.1	3849877	1.14E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.92E-07	7.09E-07	6.43E-07	2.93E-07	2.77E-07	0.00E+00	0.00E+00	1.27E-07	2.41E-08	1.53E-07	2.35E-08	2.14E-08	3.49E-07	3.61E-07	1.32E-07	1.80E-07	6.73E-08	3.61E-07	1.32E-07
3509	475863.1	3849877	1.40E-03	1.43E-03	1.35E-03	4.83E-07	1.46E-06	8.45E-07	8.65E-07	7.84E-07	3.58E-07	3.38E-07	0.00E+00	0.00E+00	1.55E-07	2.94E-08	1.86E-07	2.87E-08	2.61E-08	4.26E-07	4.41E-07	1.62E-07	2.20E-07	8.22E-08	4.41E-07	1.62E-07
3510	476363.1	3849877	1.78E-03	1.83E-03	1.72E-03	6.17E-07	1.86E-06	1.08E-06	1.10E-06	1.00E-06	4.57E-07	4.31E-07	0.00E+00	0.00E+00	1.98E-07	3.75E-08	2.38E-07	3.67E-08	3.34E-08	5.44E-07	5.63E-07	2.06E-07	2.81E-07	1.05E-07	5.63E-07	2.06E-07
3511	476863.1	3849877	2.65E-03	2.71E-03	2.56E-03	9.17E-07	2.77E-06	1.60E-06	1.64E-06	1.49E-06	6.79E-07	6.40E-07	0.00E+00	0.00E+00	2.95E-07	5.57E-08	3.53E-07	5.45E-08	4.96E-08	8.08E-07	8.36E-07	3.06E-07	4.17E-07	1.56E-07	8.36E-07	3.06E-07
3512	477363.1	3849877	6.25E-03	6.40E-03	6.04E-03	2.16E-06	6.54E-06	3.78E-06	3.88E-06	3.51E-06	1.60E-06	1.51E-06	0.00E+00	0.00E+00	6.96E-07	1.32E-07	8.35E-07	1.29E-07	1.17E-07	1.91E-06	1.97E-06	7.24E-07	9.85E-07	3.68E-07	1.97E-06	7.24E-07
3513	477863.1	3849877	3.01E-02	3.09E-02	2.91E-02	1.04E-05	3.15E-05	1.82E-05	1.87E-05	1.69E-05	7.72E-06	7.29E-06	0.00E+00	0.00E+00	3.35E-06	6.34E-07	4.02E-06	6.20E-07	5.64E-07	9.19E-06	9.51E-06	3.49E-06	4.75E-06	1.77E-06	9.51E-06	3.49E-06
3514	478363.1	3849877	8.22E-03	8.42E-03	7.94E-03	2.85E-06	8.59E-06	4.97E-06	5.09E-06	4.62E-06	2.11E-06	1.99E-06	0.00E+00	0.00E+00	9.15E-07	1.73E-07	1.10E-06	1.69E-07	1.54E-07	2.51E-06	2.59E-06	9.51E-07	1.29E-06	4.84E-07	2.59E-06	9.51E-07
3515	478863.1	3849877	4.94E-03	5.05E-03	4.77E-03	1.71E-06	5.16E-06	2.99E-06	3.06E-06	2.77E-06	1.27E-06	1.19E-06	0.00E+00	0.00E+00	5.49E-07	1.04E-07	6.59E-07	1.02E-07	9.24E-08	1.51E-06	1.56E-06	5.71E-07	7.77E-07	2.91E-07	1.56E-06	5.71E-07
3516	479363.1	3849877	3.39E-03	3.47E-03	3.27E-03	1.17E-06	3.54E-06	2.05E-06	2.10E-06	1.90E-06	8.69E-07	8.19E-07	0.00E+00	0.00E+00	3.77E-07	7.13E-08	4.52E-07	6.98E-08	6.34E-08	1.03E-06	1.07E-06	3.92E-07	5.34E-07	1.99E-07	1.07E-06	3.92E-07
3517	479863.1	3849877	2.70E-03	2.76E-03	2.61E-03	9.33E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.91E-07	6.52E-07	0.00E+00	0.00E+00	3.00E-07	5.67E-08	3.60E-07	5.55E-08	5.05E-08	8.23E-07	8.51E-07	3.12E-07	4.25E-07	1.59E-07	8.51E-07	3.12E-07
3518	480363.1	3849877	2.06E-03	2.11E-03	1.99E-03	7.13E-07	2.15E-06	1.25E-06	1.28E-06	1.16E-06	5.28E-07	4.98E-07	0.00E+00	0.00E+00	2.29E-07	4.33E-08	2.75E-07	4.24E-08	3.86E-08	6.29E-07	6.50E-07	2.39E-07	3.25E-07	1.21E-07	6.50E-07	2.39E-07
3519	480863.1	3849877	1.67E-03	1.71E-03	1.62E-03	5.79E-07	1.75E-06	1.01E-06	1.04E-06	9.39E-07	4.29E-07	4.04E-07	0.00E+00	0.00E+00	1.86E-07	3.52E-08	2.23E-07	3.44E-08	3.13E-08	5.10E-07	5.28E-07	1.94E-07	2.63E-07	9.84E-08	5.28E-07	1.94E-07
3520	481363.1	3849877	1.43E-03	1.47E-03	1.38E-03	4.96E-07	1.50E-06	8.66E-07	8.87E-07	8.04E-07	3.67E-07	3.46E-07	0.00E+00	0.00E+00	1.59E-07	3.01E-08	1.91E-07	2.95E-08	2.68E-08	4.37E-07	4.52E-07	1.66E-07	2.26E-07	8.43E-08	4.52E-07	1.66E-07
3521	481863.1	3849877	1.11E-03	1.14E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.87E-07	6.23E-07	2.84E-07	2.68E-07	0.00E+00	0.00E+00	1.23E-07	2.33E-08	1.48E-07	2.28E-08	2.08E-08	3.38E-07	3.50E-07	1.28E-07	1.75E-07	6.52E-08	3.50E-07	1.28E-07
3522	482363.1	3849877	9.49E-04	9.72E-04	9.17E-04	3.29E-07	9.92E-07	5.74E-07	5.88E-07	5.33E-07	2.43E-07	2.29E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.95E-08	1.78E-08	2.90E-07	3.00E-07	1.10E-07	1.49E-07	5.59E-08	3.00E-07	1.10E-07
3523	482863.1	3849877	8.41E-04	8.62E-04	8.13E-04	2.91E-07	8.79E-07	5.09E-07	5.21E-07	4.73E-07	2.16E-07	2.03E-07	0.00E+00	0.00E+00	9.36E-08	1.77E-08	1.12E-07	1.73E-08	1.58E-08	2.57E-07	2.66E-07	9.74E-08	1.33E-07	4.95E-08	2.66E-07	9.74E-08
3524	483363.1	3849877	7.47E-04	7.65E-04	7.21E-04	2.59E-07	7.81E-07	4.52E-07	4.63E-07	4.20E-07	1.91E-07	1.81E-07	0.00E+00	0.00E+00	8.31E-08	1.57E-08	9.97E-08	1.54E-08	1.40E-08	2.28E-07	2.36E-07	8.64E-08	1.18E-07	4.40E-08	2.36E-07	8.64E-08
3525	483863.1	3849877	7.10E-04	7.27E-04	6.86E-04	2.46E-07	7.42E-07	4.30E-07	4.40E-07	3.99E-07	1.82E-07	1.72E-07	0.00E+00	0.00E+00	7.90E-08	1.49E-08	9.48E-08	1.46E-08	1.33E-08	2.17E-07	2.24E-07	8.22E-08	1.12E-07	4.18E-08	2.24E-07	8.22E-08
3526	484363.1	3849877	7.78E-04	7.97E-04	7.51E-04	2.69E-07	8.13E-07	4.71E-07	4.82E-07	4.37E-07	1.99E-07	1.88E-07	0.00E+00	0.00E+00	8.66E-08	1.64E-08	1.04E-07	1.60E-08	1.46E-08	2.37E-07	2.45E-07	9.00E-08	1.23E-07	4.58E-08	2.45E-07	9.00E-08
3527	484863.1	3849877	8.28E-04	8.48E-04	8.00E-04	2.87E-07	8.65E-07	5.01E-07	5.13E-07	4.65E-07	2.12E-07	2.00E-07	0.00E+00	0.00E+00	9.22E-08	1.74E-08	1.11E-07	1.70E-08	1.55E-08	2.53E-07	2.61E-07	9.58E-08	1.30E-07	4.87E-08	2.61E-07	9.58E-08
3528	485363.1	3849877	7.70E-04	7.89E-04	7.44E-04	2.67E-07	8.05E-07	4.66E-07	4.77E-07	4.33E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.58E-08	1.62E-08	1.03E-07	1.59E-08	1.44E-08	2.35E-07	2.43E-07	8.92E-08	1.21E-07	4.54E-08	2.43E-07	8.92E-08
3529	485863.1	3849877	7.00E-04	7.17E-04	6.76E-04	2.42E-07	7.31E-07	4.23E-07	4.34E-07	3.93E-07	1.79E-07	1.69E-07	0.00E+00	0.00E+00	7.79E-08	1.47E-08	9.34E-08	1.44E-08	1.31E-08	2.13E-07	2.21E-07	8.10E-08	1.10E-07	4.12E-08	2.21E-07	8.10E-08
3530	486363.1	3849877	6.55E-04	6.71E-04	6.33E-04	2.27E-07	6.85E-07	3.96E-07	4.06E-07	3.68E-07	1.68E-07	1.58E-07	0.00E+00	0.00E+00	7.29E-08	1.38E-08	8.75E-08	1.35E-08	1.23E-08	2.00E-07	2.07E-07	7.59E-08	1.03E-07	3.86E-08	2.07E-07	7.59E-08
3531	486863.1	3849877	6.54E-04	6.70E-04	6.32E-04	2.26E-07	6.83E-07	3.96E-07	4.05E-07	3.67E-07	1.68E-07	1.58E-07	0.00E+00	0.00E+00	7.28E-08	1.38E-08	8.73E-08	1.35E-08	1.22E-08	2.00E-07	2.06E-07	7.57E-08	1.03E-07	3.85E-08	2.06E-07	7.57E-08
3532	487363.1	3849877	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	6.98E-08	1.32E-08	8.37E-08	1.29E-08	1.17E-08	1.91E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
3533	487863.1	3849877	5.98E-04	6.12E-04	5.77E-04	2.07E-07	6.25E-07	3.62E-07	3.70E-07	3.36E-07	1.53E-07	1.45E-07	0.00E+00	0.00E+00	6.65E-08	1.26E-08	7.98E-08	1.23E-08	1.12E-08	1.82E-07	1.89E-07	6.92E-08	9.42E-08	3.52E-08	1.89E-07	6.92E-08
3534	488363.1	3849877	5.73E-04	5.87E-04	5.53E-04	1.98E-07	5.99E-07	3.46E-07	3.55E-07	3.22E-07	1.47E-07	1.38E-07	0.00E+00	0.00E+00	6.37E-08	1.20E-08	7.64E-08	1.18E-08	1.07E-08	1.75E-07	1.81E-07	6.63E-08	9.02E-08	3.37E-08	1.81E-07	6.63E-08
3535	488863.1	3849877	5.52E-04	5.65E-04	5.33E-04	1.91E-07	5.77E-07	3.34E-07	3.42E-07	3.10E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.14E-08	1.16E-08	7.37E-08	1.14E-08	1.03E-08	1.68E-07	1.74E-07	6.39E-08	8.70E-08	3.25E-08	1.74E-07	6.39E-08
3536	489363.1	3849877	5.28E-04	5.41E-04	5.10E-04	1.83E-07	5.52E-07	3.20E-07	3.27E-07	2.97E-07	1.35E-07	1.28E-07	0.00E+00	0.00E+00	5.88E-08	1.11E-08	7.05E-08	1.09E-08	9.89E-09	1.61E-07	1.67E-07	6.12E-08	8.32E-08	3.11E-08	1.67E-07	6.12E-08
3537	489863.1	3849877	5.02E-04	5.14E-04	4.85E-04	1.74E-07	5.24E-07	3.04E-07	3.11E-07	2.82E-07	1.29E-07	1.21E-07	0.00E+00	0.00E+00	5.59E-08	1.06E-08	6.70E-08	1.03E-08	9.39E-09	1.53E-07	1.58E-07	5.81E-08	7.91E-08	2.95E-08	1.58E-07	5.81E-08
3538	490363.1	3849877	4.75E-04	4.87E-04	4.59E-04	1.65E-07	4.97E-07	2.88E-07	2.95E-07	2.67E-07	1.22E-07	1.15E-07	0.00E+00	0.00E+00	5.29E-08	1.00E-08	6.34E-08	9.78E-09	8.90E-09	1.45E-07	1.50E-07	5.50E-08	7.49E-08	2.80E-08	1.50E-07	5.50E-08
3539	490863.1	3849877	4.53E-04	4.64E-04	4.38E-04	1.57E-07	4.74E-07	2.74E-07	2.81E-07	2.55E-07	1.16E-07	1.10E-07	0.00E+00	0.00E+00	5.04E-08	9.53E-09	6.05E-08	9.33E-09	8.48E-09	1.38E-07	1.43E-07	5.24E-08	7.14E-08	2.67E-08	1.43E-07	5.24E-08
3540	491363.1	3849877	4.34E-04	4.44E-04	4.19E-04	1.50E-07	4.54E-07	2.63E-07	2.69E-07	2.44E-07	1.11E-07	1.05E-07	0.00E+00	0.00E+00	4.83E-08	9.13E-09	5.79E-08	8.93E-09	8.12E-09	1.32E-07	1.37E-07	5.02E-08	6.84E-08	2.55E-08	1.37E-07	5.02E-08
3541	491863.1	3849877	4.06E-04	4.16E-04	3.92E-04	1.40E-07	4.24E-07	2.46E-07	2.52E-07	2.28E-07	1.04E-07	9.81E-08	0.00E+00	0.00E+00	4.52E-08	8.54E-09	5.42E-08	8.35E-09	7.60E-09	1.24E-07	1.28E-07	4.70E-08	6.39E-08	2.39E-08	1.28E-07	4.70E-08
3542	492363.1	3849877	3.82E-04	3.92E-04	3.69E-04	1.32E-07	4.00E-07	2.31E-07	2.37E-07	2.15E-07	9.80E-08	9.24E-08	0.00E+00	0.00E+00	4.26E-08	8.04E-09	5.10E-08	7.87E-09	7.16E-09	1.17E-07	1.21E-07	4.42E-08	6.02E-08	2.25E-08	1.21E-07	4.42E-08
3543	492863.1	3849877	3.56E-04	3.64E-04	3.44E-04	1.23E-07	3.72E-07	2.15E-07	2.20E-07	2.00E-07	9.12E-08	8.60E-08	0.00E+00	0.00E+00	3.96E-08	7.48E-09	4.75E-08	7.32E-09	6.66E-09	1.09E-07	1.12E-07	4.12E-08	5.60E-08	2.09E-08	1.12E-07	4.12E-08
3544	493363.1	3849877	3.31E-04	3.39E-04	3.19E-04	1.14E-07	3.46E-07	2.00E-07	2.05E-07	1.86E-07	8.47E-08	7.99E-08	0.00E+00	0.00E+00	3.68E-08	6.95E-09	4.41E-08	6.80E-09	6.19E-09	1.01E-07	1.04E-07	3.83E-08	5.21E-08	1.95E-08	1.04E-07	3.83E-08
3545	493863.1	3849877	3.16E-04	3.23E-04	3.05E-04	1.09E-07	3.30E-07	1.91E-07	1.96E-07	1.77E-07	8.10E-08	7.64E-08	0.00E+00	0.00E+00	3.52E-08	6.64E-09	4.22E-08	6.50E-09	5.91E-09	9.64E-08	9.97E-08	3.66E-08	4.98E-08	1.86E-08	9.97E-08	3.66E-08

3546	494363.1	3849877	3.36E-04	3.45E-04	3.25E-04	1.16E-07	3.52E-07	2.04E-07	2.09E-07	1.89E-07	8.63E-08	8.14E-08	0.00E+00	0.00E+00	3.75E-08	7.08E-09	4.49E-08	6.93E-09	6.30E-09	1.03E-07	1.06E-07	3.90E-08	5.30E-08	1.98E-08	1.06E-07	3.90E-08
3547	494863.1	3849877	3.47E-04	3.55E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.15E-07	1.95E-07	8.89E-08	8.39E-08	0.00E+00	0.00E+00	3.86E-08	7.30E-09	4.63E-08	7.14E-09	6.49E-09	1.06E-07	1.09E-07	4.01E-08	5.46E-08	2.04E-08	1.09E-07	4.01E-08
3548	495363.1	3849877	3.19E-04	3.27E-04	3.08E-04	1.10E-07	3.33E-07	1.93E-07	1.98E-07	1.79E-07	8.17E-08	7.71E-08	0.00E+00	0.00E+00	3.55E-08	6.71E-09	4.26E-08	6.56E-09	5.97E-09	9.73E-08	1.01E-07	3.69E-08	5.02E-08	1.88E-08	1.01E-07	3.69E-08
3549	495863.1	3849877	3.34E-04	3.42E-04	3.22E-04	1.15E-07	3.49E-07	2.02E-07	2.07E-07	1.87E-07	8.55E-08	8.06E-08	0.00E+00	0.00E+00	3.71E-08	7.02E-09	4.45E-08	6.87E-09	6.24E-09	1.02E-07	1.05E-07	3.86E-08	5.25E-08	1.96E-08	1.05E-07	3.86E-08
3550	496363.1	3849877	3.34E-04	3.42E-04	3.22E-04	1.15E-07	3.49E-07	2.02E-07	2.07E-07	1.87E-07	8.55E-08	8.06E-08	0.00E+00	0.00E+00	3.71E-08	7.02E-09	4.45E-08	6.87E-09	6.24E-09	1.02E-07	1.05E-07	3.86E-08	5.25E-08	1.96E-08	1.05E-07	3.86E-08
3551	496863.1	3849877	3.32E-04	3.40E-04	3.21E-04	1.15E-07	3.47E-07	2.01E-07	2.06E-07	1.87E-07	8.51E-08	8.03E-08	0.00E+00	0.00E+00	3.70E-08	6.99E-09	4.43E-08	6.84E-09	6.22E-09	1.01E-07	1.05E-07	3.84E-08	5.23E-08	1.95E-08	1.05E-07	3.84E-08
3552	497363.1	3849877	3.50E-04	3.58E-04	3.38E-04	1.21E-07	3.66E-07	2.12E-07	2.17E-07	1.97E-07	8.97E-08	8.46E-08	0.00E+00	0.00E+00	3.89E-08	7.36E-09	4.67E-08	7.20E-09	6.55E-09	1.07E-07	1.10E-07	4.05E-08	5.51E-08	2.06E-08	1.10E-07	4.05E-08
3553	497863.1	3849877	3.51E-04	3.60E-04	3.39E-04	1.22E-07	3.67E-07	2.13E-07	2.18E-07	1.97E-07	9.00E-08	8.49E-08	0.00E+00	0.00E+00	3.91E-08	7.39E-09	4.69E-08	7.23E-09	6.58E-09	1.07E-07	1.11E-07	4.07E-08	5.53E-08	2.07E-08	1.11E-07	4.07E-08
3554	498363.1	3849877	3.41E-04	3.49E-04	3.29E-04	1.18E-07	3.56E-07	2.06E-07	2.11E-07	1.92E-07	8.74E-08	8.24E-08	0.00E+00	0.00E+00	3.80E-08	7.17E-09	4.55E-08	7.02E-09	6.38E-09	1.04E-07	1.08E-07	3.95E-08	5.37E-08	2.01E-08	1.08E-07	3.95E-08
3555	471363.1	3850377	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	0.00E+00	0.00E+00	3.15E-08	5.96E-09	3.78E-08	5.83E-09	5.31E-09	8.65E-08	8.94E-08	3.28E-08	4.46E-08	1.67E-08	8.94E-08	3.28E-08
3556	471863.1	3850377	3.63E-04	3.72E-04	3.51E-04	1.26E-07	3.79E-07	2.20E-07	2.25E-07	2.04E-07	9.31E-08	8.78E-08	0.00E+00	0.00E+00	4.04E-08	7.64E-09	4.85E-08	7.47E-09	6.80E-09	1.11E-07	1.15E-07	4.20E-08	5.72E-08	2.14E-08	1.15E-07	4.20E-08
3557	472363.1	3850377	4.13E-04	4.23E-04	3.99E-04	1.43E-07	4.32E-07	2.50E-07	2.56E-07	2.32E-07	1.06E-07	9.99E-08	0.00E+00	0.00E+00	4.60E-08	8.69E-09	5.52E-08	8.51E-09	7.74E-09	1.26E-07	1.30E-07	4.78E-08	6.51E-08	2.43E-08	1.30E-07	4.78E-08
3558	472863.1	3850377	4.80E-04	4.91E-04	4.63E-04	1.66E-07	5.01E-07	2.90E-07	2.97E-07	2.69E-07	1.23E-07	1.16E-07	0.00E+00	0.00E+00	5.34E-08	1.01E-08	6.40E-08	9.87E-09	8.98E-09	1.46E-07	1.51E-07	5.55E-08	7.56E-08	2.82E-08	1.51E-07	5.55E-08
3559	473363.1	3850377	5.25E-04	5.38E-04	5.08E-04	1.82E-07	5.49E-07	3.18E-07	3.26E-07	2.95E-07	1.35E-07	1.27E-07	0.00E+00	0.00E+00	5.85E-08	1.11E-08	7.01E-08	1.08E-08	9.84E-09	1.60E-07	1.66E-07	6.08E-08	8.28E-08	3.09E-08	1.66E-07	6.08E-08
3560	473863.1	3850377	5.80E-04	5.94E-04	5.60E-04	2.01E-07	6.06E-07	3.51E-07	3.59E-07	3.26E-07	1.49E-07	1.40E-07	0.00E+00	0.00E+00	6.46E-08	1.22E-08	7.74E-08	1.19E-08	1.09E-08	1.77E-07	1.83E-07	6.71E-08	9.14E-08	3.41E-08	1.83E-07	6.71E-08
3561	474363.1	3850377	6.42E-04	6.58E-04	6.20E-04	2.22E-07	6.71E-07	3.88E-07	3.98E-07	3.61E-07	1.65E-07	1.55E-07	0.00E+00	0.00E+00	7.15E-08	1.35E-08	8.57E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.43E-08	1.01E-07	3.78E-08	2.03E-07	7.43E-08
3562	474863.1	3850377	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	0.00E+00	0.00E+00	7.95E-08	1.50E-08	9.53E-08	1.47E-08	1.34E-08	2.18E-07	2.25E-07	8.27E-08	1.13E-07	4.21E-08	2.25E-07	8.27E-08
3563	475363.1	3850377	8.00E-04	8.19E-04	7.73E-04	2.77E-07	8.36E-07	4.84E-07	4.96E-07	4.49E-07	2.05E-07	1.93E-07	0.00E+00	0.00E+00	8.90E-08	1.68E-08	1.07E-07	1.65E-08	1.50E-08	2.44E-07	2.52E-07	9.26E-08	1.26E-07	4.71E-08	2.52E-07	9.26E-08
3564	475863.1	3850377	9.21E-04	9.43E-04	8.90E-04	3.19E-07	9.63E-07	5.57E-07	5.71E-07	5.17E-07	2.36E-07	2.23E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.72E-08	2.81E-07	2.91E-07	1.07E-07	1.45E-07	5.42E-08	2.91E-07	1.07E-07
3565	476363.1	3850377	1.07E-03	1.09E-03	1.03E-03	3.70E-07	1.12E-06	6.47E-07	6.62E-07	6.00E-07	2.74E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.25E-08	1.43E-07	2.20E-08	2.00E-08	3.26E-07	3.37E-07	1.24E-07	1.68E-07	6.29E-08	3.37E-07	1.24E-07
3566	476863.1	3850377	1.29E-03	1.32E-03	1.24E-03	4.46E-07	1.35E-06	7.79E-07	7.98E-07	7.23E-07	3.30E-07	3.11E-07	0.00E+00	0.00E+00	1.43E-07	2.71E-08	1.72E-07	2.65E-08	2.41E-08	3.93E-07	4.06E-07	1.49E-07	2.03E-07	7.58E-08	4.06E-07	1.49E-07
3567	477363.1	3850377	1.66E-03	1.70E-03	1.61E-03	5.75E-07	1.74E-06	1.01E-06	1.03E-06	9.34E-07	4.26E-07	4.02E-07	0.00E+00	0.00E+00	1.85E-07	3.50E-08	2.22E-07	3.42E-08	3.11E-08	5.07E-07	5.25E-07	1.92E-07	2.62E-07	9.78E-08	5.25E-07	1.92E-07
3568	477863.1	3850377	2.49E-03	2.55E-03	2.41E-03	8.62E-07	2.60E-06	1.51E-06	1.54E-06	1.40E-06	6.39E-07	6.02E-07	0.00E+00	0.00E+00	2.77E-07	5.24E-08	3.33E-07	5.13E-08	4.66E-08	7.60E-07	7.86E-07	2.88E-07	3.92E-07	1.47E-07	7.86E-07	2.88E-07
3569	478363.1	3850377	5.86E-03	6.00E-03	5.66E-03	2.03E-06	6.12E-06	3.54E-06	3.63E-06	3.29E-06	1.50E-06	1.42E-06	0.00E+00	0.00E+00	6.52E-07	1.23E-07	7.82E-07	1.21E-07	1.10E-07	1.79E-06	1.85E-06	6.78E-07	9.23E-07	3.45E-07	1.85E-06	6.78E-07
3570	478863.1	3850377	3.44E-02	3.52E-02	3.32E-02	1.19E-05	3.60E-05	2.08E-05	2.13E-05	1.93E-05	8.82E-06	8.32E-06	0.00E+00	0.00E+00	3.83E-06	7.24E-07	4.59E-06	7.08E-07	6.44E-07	1.05E-05	1.09E-05	3.98E-06	5.42E-06	2.03E-06	1.09E-05	3.98E-06
3571	479363.1	3850377	8.66E-03	8.87E-03	8.37E-03	3.00E-06	9.05E-06	5.24E-06	5.37E-06	4.87E-06	2.22E-06	2.09E-06	0.00E+00	0.00E+00	9.64E-07	1.82E-07	1.16E-06	1.78E-07	1.62E-07	2.64E-06	2.73E-06	1.00E-06	1.36E-06	5.10E-07	2.73E-06	1.00E-06
3572	479863.1	3850377	4.79E-03	4.91E-03	4.63E-03	1.66E-06	5.01E-06	2.90E-06	2.97E-06	2.69E-06	1.23E-06	1.16E-06	0.00E+00	0.00E+00	5.33E-07	1.01E-07	6.39E-07	9.86E-08	8.97E-08	1.46E-06	1.51E-06	5.55E-07	7.55E-07	2.82E-07	1.51E-06	5.55E-07
3573	480363.1	3850377	3.30E-03	3.38E-03	3.19E-03	1.14E-06	3.45E-06	2.00E-06	2.05E-06	1.85E-06	8.46E-07	7.98E-07	0.00E+00	0.00E+00	3.68E-07	6.94E-08	4.41E-07	6.80E-08	6.18E-08	1.01E-06	1.04E-06	3.82E-07	5.20E-07	1.94E-07	1.04E-06	3.82E-07
3574	480863.1	3850377	2.62E-03	2.68E-03	2.53E-03	9.07E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.72E-07	6.33E-07	0.00E+00	0.00E+00	2.92E-07	5.51E-08	3.50E-07	5.39E-08	4.90E-08	7.99E-07	8.27E-07	3.03E-07	4.13E-07	1.54E-07	8.27E-07	3.03E-07
3575	481363.1	3850377	1.81E-03	1.86E-03	1.75E-03	6.27E-07	1.89E-06	1.10E-06	1.12E-06	1.02E-06	4.65E-07	4.38E-07	0.00E+00	0.00E+00	2.02E-07	3.81E-08	2.42E-07	3.73E-08	3.39E-08	5.53E-07	5.72E-07	2.10E-07	2.86E-07	1.07E-07	5.72E-07	2.10E-07
3576	481863.1	3850377	1.55E-03	1.59E-03	1.50E-03	5.38E-07	1.62E-06	9.40E-07	9.63E-07	8.73E-07	3.98E-07	3.76E-07	0.00E+00	0.00E+00	1.73E-07	3.27E-08	2.07E-07	3.20E-08	2.91E-08	4.74E-07	4.90E-07	1.80E-07	2.45E-07	9.15E-08	4.90E-07	1.80E-07
3577	482363.1	3850377	1.34E-03	1.37E-03	1.29E-03	4.63E-07	1.40E-06	8.09E-07	8.29E-07	7.51E-07	3.43E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.78E-07	2.75E-08	2.50E-08	4.08E-07	4.22E-07	1.55E-07	2.11E-07	7.87E-08	4.22E-07	1.55E-07
3578	482863.1	3850377	1.06E-03	1.09E-03	1.03E-03	3.68E-07	1.11E-06	6.44E-07	6.59E-07	5.98E-07	2.73E-07	2.57E-07	0.00E+00	0.00E+00	1.18E-07	2.24E-08	1.42E-07	2.19E-08	1.99E-08	3.25E-07	3.36E-07	1.23E-07	1.68E-07	6.26E-08	3.36E-07	1.23E-07
3579	483363.1	3850377	9.09E-04	9.31E-04	8.78E-04	3.15E-07	9.50E-07	5.50E-07	5.63E-07	5.11E-07	2.33E-07	2.20E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.70E-08	2.77E-07	2.87E-07	1.05E-07	1.43E-07	5.35E-08	2.87E-07	1.05E-07
3580	483863.1	3850377	8.86E-04	9.07E-04	8.56E-04	3.07E-07	9.26E-07	5.36E-07	5.49E-07	4.97E-07	2.27E-07	2.14E-07	0.00E+00	0.00E+00	9.86E-08	1.86E-08	1.18E-07	1.82E-08	1.66E-08	2.70E-07	2.79E-07	1.03E-07	1.40E-07	5.21E-08	2.79E-07	1.03E-07
3581	484363.1	3850377	8.96E-04	9.18E-04	8.65E-04	3.10E-07	9.36E-07	5.42E-07	5.55E-07	5.03E-07	2.30E-07	2.17E-07	0.00E+00	0.00E+00	9.97E-08	1.88E-08	1.20E-07	1.84E-08	1.68E-08	2.73E-07	2.83E-07	1.04E-07	1.41E-07	5.27E-08	2.83E-07	1.04E-07
3582	484863.1	3850377	9.05E-04	9.27E-04	8.74E-04	3.13E-07	9.46E-07	5.47E-07	5.61E-07	5.08E-07	2.32E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.69E-08	2.76E-07	2.86E-07	1.05E-07	1.43E-07	5.33E-08	2.86E-07	1.05E-07
3583	485363.1	3850377	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	0.00E+00	0.00E+00	9.51E-08	1.80E-08	1.14E-07	1.76E-08	1.60E-08	2.61E-07	2.70E-07	9.89E-08	1.35E-07	5.03E-08	2.70E-07	9.89E-08
3584	485863.1	3850377	7.85E-04	8.04E-04	7.59E-04	2.72E-07	8.21E-07	4.75E-07	4.87E-07	4.41E-07	2.01E-07	1.90E-07	0.00E+00	0.00E+00	8.74E-08	1.65E-08	1.05E-07	1.62E-08	1.47E-08	2.40E-07	2.48E-07	9.09E-08	1.24E-07	4.62E-08	2.48E-07	9.09E-08
3585	486363.1	3850377	7.47E-04	7.65E-04	7.21E-04	2.59E-07	7.81E-07	4.52E-07	4.63E-07	4.20E-07	1.91E-07	1.81E-07	0.00E+00	0.00E+00	8.31E-08	1.57E-08	9.97E-08	1.54E-08	1.40E-08	2.28E-07	2.36E-07	8.64E-08	1.18E-07	4.40E-08	2.36E-07	8.64E-08
3586	486863.1	3850377	7.11E-04	7.29E-04	6.87E-04	2.46E-07	7.44E-07	4.30E-07	4.41E-07	4.00E-07	1.82E-07	1.72E-07	0.00E+00	0.00E+00	7.92E-08	1.50E-08	9.50E-08	1.46E-08	1.33E-08	2.17E-07	2.25E-07	8.23E-08	1.12E-07	4.19E-08	2.25E-07	8.23E-08
3587	487363.1	3850377	6.69E-04	6.85E-04	6.46E-04	2.31E-07	6.99E-07	4.05E-07	4.14E-07	3.76E-07	1.71E-07	1.62E-07	0.00E+00	0.00E+00	7.44E-08	1.41E-08	8.92E-08	1.38E-08	1.25E-08	2.04E-07	2.11E-07	7.74E-08	1.05E-07	3.94E-08	2.11E-07	7.74E-08
3588	487863.1	3850377	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	0.00E+00	0.00E+00	7.11E-08	1.34E-08	8.53E-08	1.32E-08	1.20E-08	1.95E-07	2.02E-07	7.40E-08	1.01E-07	3.76E-08	2.02E-07	7.40E-08
3589	488363.1	3850377	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	0.00E+00	0.00E+00	6.79E-08	1.28E-08	8.14E-08	1.25E-08	1.14E-08	1.86E-07	1.92E-07	7.06E-08	9.60E-08	3.59E-08	1.92E-07	7.06E-08
3590	488863.1	3850377	5.84E-04	5.99E-04	5.65E-04	2.02E-07	6.11E-07	3.54E-07	3.62E-07	3.28E-07	1.50E-07	1.41E-07	0.00E+00	0.00E+00	6.51E-08	1.23E-08	7.80E-08	1.20E-08	1.09E-08	1.78E-07	1.84E-07	6.77E-08	9.21E-08	3.44E-08	1.84E-07	6.77E-08
3591	489363.1	3850377	5.58E-04	5.71E-04	5.39E-04	1.93E-07	5.83E-07	3.38E-07	3.46E-07	3.13E-07	1.43E-07	1.35E-07	0.00E+00	0.00E+00	6.21E-08	1.17E-08	7.45E-08	1.15E-08	1.04E-08	1.70E-07	1.76E-07	6.46E-08	8.79E-08	3.28E-08	1.76E-07	6.46E-08
3592	489863.1	3850377	5.27E-04	5.40E-04	5.09E-04	1.82E-07	5.51E-07	3.19E-07	3.27E-07	2.96E-07	1.35E-07	1.27E-07	0.00E+00	0.00E+00	5.87E-08	1.11E-08	7.03E-08	1.08E-08	9.86E-09	1.61E-07	1.66E-07	6.10E-08	8.30E-08	3.10E-08	1.66E-07	6.10E-08
3593	490363.1	3850377	4.99E-04	5.11E-04	4.82E-04	1.73E-07	5.21E-07	3.02E-07	3.09E-07	2.80E-07	1.28E-07	1.21E-07	0.00E+00	0.00E+00	5.55E-08	1.05E-08	6.66E-08	1.03E-08	9.34E-09	1.52E-07	1.57E-07	5.77E-08	7.86E-08	2.94E-08	1.57E-07	5.77E-08
3594	490863.1	3850377	4.77E-04	4.88E-04	4.61E-04	1.65E-07	4.98E-07	2.88E-07	2.95E-07	2.68E-07	1.22E-07	1.15E-07	0.00E+00	0.00E+00	5.31E-08	1.00E-08	6.36E-08	9.81E-09	8.93E-09	1.45E-07	1.50E-07	5.52E-08	7.51E-08	2.81E-08	1.50E-07	5.52E-08
3595	491363.1	3850377	4.53E-04	4.64E-04	4.38E-04	1.57E-07	4.74E-07	2.74E-07	2.81E-07	2.55E-07	1.16E-07	1.10E-07	0.00E+00	0.00E+00	5.04E-08	9.53E-09	6.05E-08	9.33E-09	8.48E-09	1.38E-07	1.43E-07	5.24E-08	7.14E-08	2.67E-08	1.43E-07	5.24E-08
3596	491863.1	3850377	4.22E-04	4.32E-04	4.08E-04	1.46E-07	4.41E-07	2.55E-07	2.62E-07	2.37E-07	1.08E-07	1.02E-07	0.00E+00	0.00E+00	4.70E-08	8.88E-09	5.63E-08	8.69E-09	7.90E-09	1.29E-07	1.33E-07	4.89E-08	6.65E-08	2.48E-08	1.33E-07	4.89E-08
3597	492363.1	3850377	3.93E-04	4.02E-04	3.79E-04	1.36E-07	4.10E-07	2.38E-07	2.43E-07	2.21E-07	1.01E-07	9.49E-08	0.00E+00	0.00E+00	4.37E-08	8.26E-09	5.24E-08	8.08E-09	7.35E-09	1.20E-07	1.24E-07	4.54E-08	6.18E-08	2.31E-08	1.24E-07	4.54E-08
3598	492863.1	3850377	3.73E-04	3.82E-04	3.61E-04	1.29E-07	3.90E-07	2.26E-07	2.31E-07	2.10E-07	9.57E-08	9.03E-08	0.00E+00	0.00E+00	4.16E-08	7.85E-09	4.98E-08	7.69E-09	6.99E-09	1.14E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
3599	493363.1	3850377	3.50E-04	3.58E-04	3.38E-04	1.21E-07	3.66E-07	2.12E-07	2.17E-07	1.97E-07	8.97E-08	8.46E-08	0.00E+00	0.00E+00	3.89E-08	7.36E-09	4.67E-08	7.20E-09	6.55E-09	1.07E-07	1.10E-07	4.05E-08	5.51E-08	2.06E-08	1.10E-07	4.05E-08
3600	493863.1	3850377	3.54E-04	3.63E-04	3.42E-04	1.23E-07	3.70E-07	2.14E-07	2.20E-07	1.99E-07	9.08E-08	8.56E-08	0.00E+00	0.00E+00	3.94E-08	7.45E-09	4.73E-08	7.29E-09	6.63E-09	1.08E-07	1.12E-07	4.10E-08	5.58E-08	2.09E-08	1.12E-07	4.10E-08
3601	494363.1	3850377	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	0.00E+00	0.00E+00	3.93E-08	7.42E-09	4.71E-08	7.26E-09	6.60E-09	1.08E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
3602	494863.1	3850377	3.62E-04	3.70E-04	3.49E-04	1.25E-07	3.78E-07	2.19E-07	2.24E-07	2.03E-07	9.27E-08	8.74E-08	0.00E+00	0.00E+00	4.03E-08	7.61E-09	4.83E-08	7.44E-09	6.77E-09	1.10E-07	1.14E-07	4.19E-08	5.70E-08	2.13E-08	1.14E-07	4.19E-08
3603	495363.1	3850377	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	0.00E+00	0.00E+00	4.12E-08	7.79E-09	4.94E-08	7.63E-09	6.94E-09	1.13E-07	1.17E-07	4.29E-08	5.84E-08	2.18E-08	1.17E-07	4.29E-08
3604	495863.1	3850377	3.54E-04	3.63E-04	3.42E-04	1.23E-07	3.70E-07	2.14E-07	2.20E-07	1.99E-07	9.08E-08	8.56E-08	0.00E+00	0.00E+00	3.94E-08	7.45E-09	4.73E-08	7.29E-09	6.63E-09	1.08E-07	1.12E-07	4.10E-08	5.58E-08	2.09E-08	1.12E-07	4.10E-08
3605	496363.1	3850377	3.63E-04	3.72E-04	3.51E-04	1.26E-07	3.79E-07	2.20E-07	2.25E-07	2.04E-07	9.31E-08	8.78E-08	0.00E+00	0.00E+00	4.04E-08	7.64E-09	4.85E-08	7.47E-09	6.80E-09	1.11E-07	1.15E-07	4.20E-08	5.72E-08	2.14E-08	1.15E-07	4.20E-08
3606	496863.1	3850377	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	0.00E+00	0.00E+00	4.12E-08	7.79E-09	4.94E-08	7.63E-09	6.94E-09	1.13E-07	1.17E-07	4.29E-08	5.84E-08	2.18E-08	1.17E-07	4.29E-08
3607	497363.1	3850377	3.69E-04	3.78E-04	3.56E-04	1.28E-07	3.86E-07	2.23E-07	2.29E-07	2.07E-07	9.46E-08	8.92E-08	0.00E+00	0.00E+00	4.11E-08	7.76E-09	4.92E-08	7.59E-09	6.91E-09	1.13E-07	1.16E-07	4.27E-08	5.81E-08	2.17E-08	1.16E-07	4.27E-08
3608	497863.1	3850377	3.60E-04	3.69E-04	3.48E-04	1.25E-07	3.76E-07	2.18E-07	2.23E-07	2.02E-07	9.23E-08	8.71E-08	0.00E+00	0.00E+00	4.01E-08	7.58E-09	4.81E-08	7.41E-09	6.74E-09	1.10E-07	1.14E-07	4.17E-08	5.67E-08	2.12E-08	1.14E-07	4.17E-08
3609	498363.1	3850377	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	0.00E+00	0.00E+00	3.93E-08	7.42E-09	4.71E-08	7.26E-09	6.60E-09	1.08E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
3610	471363.1	3850877	2.94E-04	3.01E-04	2.84E-04	1.02E-07	3.07E-07	1.78E-07	1.82E-07	1.65E-07	7.53E-08	7.10E-08	0.00E+00	0.00E+00	3.27E-08	6.18E-09	3.92E-08	6.05E-09	5.50E-09	8.96E-08	9.27E-08	3.40E-08	4.63E-08	1.73E-08	9.27E-08	3.40E-08
3611	471863.1	3850877	3.26E-04	3.34E-04	3.15E-04	1.13E-07	3.41E-07	1.97E-07	2.02E-07	1.83E-07	8.36E-08	7.89E-08	0.00E+00	0.00E+00	3.63E-08	6.86E-09	4.35E-08	6.71E-09	6.11E-09	9.95E-08	1.03E-07	3.78E-08	5.14E-08	1.92E-08	1.03E-07	3.78E-08
3612	472363.1	3850877	3.72E-04	3.81E-04	3.59E-04	1.29E-07	3.89E-07	2.25E-07	2.30E-07	2.09E-07	9.53E-08	8.99E-08	0.00E+00	0.00E+00	4.14E-08	7.82E-09	4.96E-08	7.66E-09	6.96E-09	1.13E-07	1.17E-07	4.31E-08	5.86E-08	2.19E-08	1.17E-07	4.31E-08
3613	472863.1	3850877	4.19E-04	4.29E-04	4.05E-04	1.45E-07	4.38E-07	2.54E-07	2.60E-07	2.35E-07	1.07E-07	1.01E-07	0.00E+00	0.00E+00	4.67E-08	8.82E-09	5.59E-08	8.63E-09	7.85E-09	1.28E-07	1.32E-07	4.85E-08	6.60E-08	2.47E-08	1.32E-07	4.85E-08
3614	473363.1	3850877	4.29E-04	4.40E-04	4.15E-04	1.49E-07	4.49E-07	2.60E-07	2.66E-07	2.41E-07	1.10E-07	1.04E-07	0.00E+00	0.00E+00	4.78E-08	9.03E-09	5.73E-08	8.84E-09	8.04E-09	1.31E-07	1.36E-07	4.97E-08	6.77E-08	2.53E-08	1.36E-07	4.97E-08
3615	473863.1	3850877	4.89E-04	5.00E-04	4.72E-04	1.69E-07	5.11E-07	2.96E-07	3.03E-07	2.74E-07	1.25E-07	1.18E-07	0.00E+00	0.00E+00	5.44E-08	1.03E-08	6.52E-08	1.01E-08	9.15E-09	1.49E-07	1.54E-07	5.65E-08	7.70E-08	2.88E-08	1.54E-07	5.65E-08
3616	474363.1	3850877	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	0.00E+00	0.00E+00	6.00E-08	1.13E-08	7.19E-08	1.11E-08	1.01E-08	1.64E-07	1.70E-07	6.24E-08	8.49E-08	3.17E-08	1.70E-07	6.24E-08
3617	474863.1	3850877	5.89E-04	6.03E-04	5.69E-04	2.04E-07	6.15E-07	3.56E-07	3.65E-07	3.31E-07	1.51E-07	1.42E-07	0.00E+00	0.00E+00	6.56E-08	1.24E-08	7.86E-08	1.21E-08	1.10E-08	1.80E-07	1.86E-07	6.82E-08	9.28E-08	3.47E-08	1.86E-07	6.82E-08
3618	475363.1	3850877	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	0.00E+00	0.00E+00	7.16E-08	1.35E-08	8.59E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.45E-08	1.01E-07	3.79E-08	2.03E-07	7.45E-08
3619	475863.1	3850877	7.11E-04	7.29E-04	6.87E-04	2.46E-07	7.44E-07	4.30E-07	4.41E-07	4.00E-07	1.82E-07	1.72E-07	0.00E+00	0.00E+00	7.92E-08	1.50E-08	9.50E-08	1.46E-08	1.33E-08	2.17E-07	2.25E-07	8.23E-08	1.12E-07	4.19E-08	2.25E-07	8.23E-08

3620	476363.1	3850877	7.98E-04	8.18E-04	7.71E-04	2.76E-07	8.35E-07	4.83E-07	4.95E-07	4.49E-07	2.05E-07	1.93E-07	0.00E+00	0.00E+00	8.89E-08	1.68E-08	1.07E-07	1.64E-08	1.49E-08	2.44E-07	2.52E-07	9.24E-08	1.26E-07	4.70E-08	2.52E-07	9.24E-08
3621	476863.1	3850877	8.94E-04	9.16E-04	8.64E-04	3.10E-07	9.35E-07	5.41E-07	5.54E-07	5.02E-07	2.29E-07	2.16E-07	0.00E+00	0.00E+00	9.96E-08	1.88E-08	1.19E-07	1.84E-08	1.67E-08	2.73E-07	2.82E-07	1.04E-07	1.41E-07	5.27E-08	2.82E-07	1.04E-07
3622	477363.1	3850877	1.03E-03	1.06E-03	9.97E-04	3.57E-07	1.08E-06	6.24E-07	6.39E-07	5.80E-07	2.64E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.12E-08	1.93E-08	3.15E-07	3.26E-07	1.19E-07	1.63E-07	6.07E-08	3.26E-07	1.19E-07
3623	477863.1	3850877	1.24E-03	1.27E-03	1.20E-03	4.31E-07	1.30E-06	7.53E-07	7.71E-07	6.99E-07	3.19E-07	3.01E-07	0.00E+00	0.00E+00	1.38E-07	2.62E-08	1.66E-07	2.56E-08	2.33E-08	3.80E-07	3.93E-07	1.44E-07	1.96E-07	7.32E-08	3.93E-07	1.44E-07
3624	478363.1	3850877	1.63E-03	1.67E-03	1.58E-03	5.65E-07	1.70E-06	9.87E-07	1.01E-06	9.16E-07	4.18E-07	3.94E-07	0.00E+00	0.00E+00	1.82E-07	3.43E-08	2.18E-07	3.36E-08	3.05E-08	4.98E-07	5.15E-07	1.89E-07	2.57E-07	9.60E-08	5.15E-07	1.89E-07
3625	478863.1	3850877	2.40E-03	2.45E-03	2.31E-03	8.29E-07	2.50E-06	1.45E-06	1.48E-06	1.35E-06	6.14E-07	5.79E-07	0.00E+00	0.00E+00	2.67E-07	5.04E-08	3.20E-07	4.93E-08	4.48E-08	7.31E-07	7.56E-07	2.77E-07	3.77E-07	1.41E-07	7.56E-07	2.77E-07
3626	479363.1	3850877	5.26E-03	5.39E-03	5.08E-03	1.82E-06	5.50E-06	3.18E-06	3.26E-06	2.96E-06	1.35E-06	1.27E-06	0.00E+00	0.00E+00	5.86E-07	1.11E-07	7.02E-07	1.08E-07	9.85E-08	1.61E-06	1.66E-06	6.09E-07	8.29E-07	3.10E-07	1.66E-06	6.09E-07
3627	479863.1	3850877	4.13E-02	4.23E-02	3.99E-02	1.43E-05	4.32E-05	2.50E-05	2.56E-05	2.32E-05	1.06E-05	9.99E-06	0.00E+00	0.00E+00	4.60E-06	8.69E-07	5.51E-06	8.50E-07	7.73E-07	1.26E-05	1.30E-05	4.78E-06	6.51E-06	2.43E-06	1.30E-05	4.78E-06
3628	480363.1	3850877	8.87E-03	9.09E-03	8.57E-03	3.07E-06	9.27E-06	5.37E-06	5.50E-06	4.98E-06	2.27E-06	2.15E-06	0.00E+00	0.00E+00	9.88E-07	1.87E-07	1.18E-06	1.83E-07	1.66E-07	2.71E-06	2.80E-06	1.03E-06	1.40E-06	5.22E-07	2.80E-06	1.03E-06
3629	480863.1	3850877	4.86E-03	4.98E-03	4.70E-03	1.68E-06	5.08E-06	2.94E-06	3.01E-06	2.73E-06	1.25E-06	1.18E-06	0.00E+00	0.00E+00	5.41E-07	1.02E-07	6.49E-07	1.00E-07	9.10E-08	1.48E-06	1.53E-06	5.63E-07	7.66E-07	2.86E-07	1.53E-06	5.63E-07
3630	481363.1	3850877	3.30E-03	3.38E-03	3.18E-03	1.14E-06	3.44E-06	1.99E-06	2.04E-06	1.85E-06	8.45E-07	7.97E-07	0.00E+00	0.00E+00	3.67E-07	6.93E-08	4.40E-07	6.78E-08	6.17E-08	1.01E-06	1.04E-06	3.81E-07	5.19E-07	1.94E-07	1.04E-06	3.81E-07
3631	481863.1	3850877	2.37E-03	2.43E-03	2.29E-03	8.21E-07	2.48E-06	1.44E-06	1.47E-06	1.33E-06	6.08E-07	5.73E-07	0.00E+00	0.00E+00	2.64E-07	4.99E-08	3.17E-07	4.88E-08	4.44E-08	7.24E-07	7.49E-07	2.75E-07	3.74E-07	1.40E-07	7.49E-07	2.75E-07
3632	482363.1	3850877	1.75E-03	1.79E-03	1.69E-03	6.04E-07	1.82E-06	1.06E-06	1.08E-06	9.81E-07	4.48E-07	4.22E-07	0.00E+00	0.00E+00	1.94E-07	3.67E-08	2.33E-07	3.59E-08	3.27E-08	5.33E-07	5.51E-07	2.02E-07	2.75E-07	1.03E-07	5.51E-07	2.02E-07
3633	482863.1	3850877	1.41E-03	1.44E-03	1.36E-03	4.88E-07	1.47E-06	8.53E-07	8.73E-07	7.92E-07	3.61E-07	3.41E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.90E-08	2.64E-08	4.30E-07	4.45E-07	1.63E-07	2.22E-07	8.30E-08	4.45E-07	1.63E-07
3634	483363.1	3850877	1.16E-03	1.18E-03	1.12E-03	4.00E-07	1.21E-06	6.99E-07	7.16E-07	6.49E-07	2.96E-07	2.79E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.16E-08	3.53E-07	3.65E-07	1.34E-07	1.82E-07	6.80E-08	3.65E-07	1.34E-07
3635	483863.1	3850877	1.05E-03	1.08E-03	1.02E-03	3.64E-07	1.10E-06	6.36E-07	6.51E-07	5.90E-07	2.69E-07	2.54E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	1.97E-08	3.21E-07	3.32E-07	1.22E-07	1.66E-07	6.19E-08	3.32E-07	1.22E-07
3636	484363.1	3850877	1.03E-03	1.06E-03	9.98E-04	3.58E-07	1.08E-06	6.25E-07	6.40E-07	5.80E-07	2.65E-07	2.50E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.13E-08	1.93E-08	3.15E-07	3.26E-07	1.20E-07	1.63E-07	6.08E-08	3.26E-07	1.20E-07
3637	484863.1	3850877	9.65E-04	9.89E-04	9.33E-04	3.34E-07	1.01E-06	5.84E-07	5.98E-07	5.42E-07	2.47E-07	2.33E-07	0.00E+00	0.00E+00	1.07E-07	2.03E-08	1.29E-07	1.99E-08	1.81E-08	2.95E-07	3.05E-07	1.12E-07	1.52E-07	5.68E-08	3.05E-07	1.12E-07
3638	485363.1	3850877	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.23E-07	1.89E-08	1.72E-08	2.81E-07	2.90E-07	1.06E-07	1.45E-07	5.41E-08	2.90E-07	1.06E-07
3639	485863.1	3850877	8.29E-04	8.50E-04	8.01E-04	2.87E-07	8.67E-07	5.02E-07	5.14E-07	4.66E-07	2.13E-07	2.01E-07	0.00E+00	0.00E+00	9.23E-08	1.74E-08	1.11E-07	1.71E-08	1.55E-08	2.53E-07	2.62E-07	9.60E-08	1.31E-07	4.88E-08	2.62E-07	9.60E-08
3640	486363.1	3850877	8.00E-04	8.19E-04	7.73E-04	2.77E-07	8.36E-07	4.84E-07	4.96E-07	4.49E-07	2.05E-07	1.93E-07	0.00E+00	0.00E+00	8.90E-08	1.68E-08	1.07E-07	1.65E-08	1.50E-08	2.44E-07	2.52E-07	9.26E-08	1.26E-07	4.71E-08	2.52E-07	9.26E-08
3641	486863.1	3850877	7.56E-04	7.74E-04	7.30E-04	2.62E-07	7.90E-07	4.57E-07	4.68E-07	4.25E-07	1.94E-07	1.83E-07	0.00E+00	0.00E+00	8.41E-08	1.59E-08	1.01E-07	1.56E-08	1.41E-08	2.31E-07	2.38E-07	8.75E-08	1.19E-07	4.45E-08	2.38E-07	8.75E-08
3642	487363.1	3850877	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	0.00E+00	0.00E+00	7.85E-08	1.48E-08	9.42E-08	1.45E-08	1.32E-08	2.15E-07	2.23E-07	8.17E-08	1.11E-07	4.15E-08	2.23E-07	8.17E-08
3643	487863.1	3850877	6.70E-04	6.86E-04	6.47E-04	2.32E-07	7.00E-07	4.05E-07	4.15E-07	3.76E-07	1.72E-07	1.62E-07	0.00E+00	0.00E+00	7.46E-08	1.41E-08	8.94E-08	1.38E-08	1.25E-08	2.04E-07	2.11E-07	7.76E-08	1.06E-07	3.94E-08	2.11E-07	7.76E-08
3644	488363.1	3850877	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	0.00E+00	0.00E+00	7.11E-08	1.34E-08	8.53E-08	1.32E-08	1.20E-08	1.95E-07	2.02E-07	7.40E-08	1.01E-07	3.76E-08	2.02E-07	7.40E-08
3645	488863.1	3850877	6.08E-04	6.23E-04	5.87E-04	2.10E-07	6.36E-07	3.68E-07	3.77E-07	3.42E-07	1.56E-07	1.47E-07	0.00E+00	0.00E+00	6.77E-08	1.28E-08	8.12E-08	1.25E-08	1.14E-08	1.86E-07	1.92E-07	7.04E-08	9.58E-08	3.58E-08	1.92E-07	7.04E-08
3646	489363.1	3850877	5.81E-04	5.96E-04	5.62E-04	2.01E-07	6.08E-07	3.52E-07	3.60E-07	3.27E-07	1.49E-07	1.41E-07	0.00E+00	0.00E+00	6.47E-08	1.22E-08	7.76E-08	1.20E-08	1.09E-08	1.77E-07	1.84E-07	6.73E-08	9.16E-08	3.42E-08	1.84E-07	6.73E-08
3647	489863.1	3850877	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.13E-08	1.16E-08	7.35E-08	1.13E-08	1.03E-08	1.68E-07	1.74E-07	6.37E-08	8.67E-08	3.24E-08	1.74E-07	6.37E-08
3648	490363.1	3850877	5.27E-04	5.40E-04	5.09E-04	1.82E-07	5.51E-07	3.19E-07	3.27E-07	2.96E-07	1.35E-07	1.27E-07	0.00E+00	0.00E+00	5.87E-08	1.11E-08	7.03E-08	1.08E-08	9.86E-09	1.61E-07	1.66E-07	6.10E-08	8.30E-08	3.10E-08	1.66E-07	6.10E-08
3649	490863.1	3850877	5.02E-04	5.14E-04	4.85E-04	1.74E-07	5.24E-07	3.04E-07	3.11E-07	2.82E-07	1.29E-07	1.21E-07	0.00E+00	0.00E+00	5.59E-08	1.06E-08	6.70E-08	1.03E-08	9.39E-09	1.53E-07	1.58E-07	5.81E-08	7.91E-08	2.95E-08	1.58E-07	5.81E-08
3650	491363.1	3850877	4.74E-04	4.85E-04	4.58E-04	1.64E-07	4.95E-07	2.87E-07	2.94E-07	2.66E-07	1.21E-07	1.15E-07	0.00E+00	0.00E+00	5.27E-08	9.97E-09	6.32E-08	9.75E-09	8.87E-09	1.45E-07	1.50E-07	5.48E-08	7.46E-08	2.79E-08	1.50E-07	5.48E-08
3651	491863.1	3850877	4.44E-04	4.55E-04	4.29E-04	1.54E-07	4.64E-07	2.69E-07	2.75E-07	2.50E-07	1.14E-07	1.07E-07	0.00E+00	0.00E+00	4.95E-08	9.34E-09	5.93E-08	9.14E-09	8.32E-09	1.36E-07	1.40E-07	5.14E-08	7.00E-08	2.62E-08	1.40E-07	5.14E-08
3652	492363.1	3850877	4.18E-04	4.28E-04	4.04E-04	1.45E-07	4.37E-07	2.53E-07	2.59E-07	2.35E-07	1.07E-07	1.01E-07	0.00E+00	0.00E+00	4.65E-08	8.79E-09	5.58E-08	8.60E-09	7.82E-09	1.27E-07	1.32E-07	4.83E-08	6.58E-08	2.46E-08	1.32E-07	4.83E-08
3653	492863.1	3850877	3.98E-04	4.08E-04	3.85E-04	1.38E-07	4.16E-07	2.41E-07	2.47E-07	2.24E-07	1.02E-07	9.64E-08	0.00E+00	0.00E+00	4.44E-08	8.38E-09	5.32E-08	8.20E-09	7.46E-09	1.22E-07	1.26E-07	4.61E-08	6.28E-08	2.35E-08	1.26E-07	4.61E-08
3654	493363.1	3850877	3.85E-04	3.95E-04	3.72E-04	1.33E-07	4.03E-07	2.33E-07	2.39E-07	2.16E-07	9.87E-08	9.31E-08	0.00E+00	0.00E+00	4.29E-08	8.10E-09	5.14E-08	7.93E-09	7.21E-09	1.18E-07	1.22E-07	4.46E-08	6.07E-08	2.27E-08	1.22E-07	4.46E-08
3655	493863.1	3850877	3.88E-04	3.98E-04	3.75E-04	1.34E-07	4.06E-07	2.35E-07	2.41E-07	2.18E-07	9.95E-08	9.39E-08	0.00E+00	0.00E+00	4.32E-08	8.16E-09	5.18E-08	7.99E-09	7.27E-09	1.18E-07	1.23E-07	4.49E-08	6.11E-08	2.29E-08	1.23E-07	4.49E-08
3656	494363.1	3850877	3.82E-04	3.92E-04	3.69E-04	1.32E-07	4.00E-07	2.31E-07	2.37E-07	2.15E-07	9.80E-08	9.24E-08	0.00E+00	0.00E+00	4.26E-08	8.04E-09	5.10E-08	7.87E-09	7.16E-09	1.17E-07	1.21E-07	4.42E-08	6.02E-08	2.25E-08	1.21E-07	4.42E-08
3657	494863.1	3850877	3.87E-04	3.96E-04	3.74E-04	1.34E-07	4.04E-07	2.34E-07	2.40E-07	2.17E-07	9.91E-08	9.35E-08	0.00E+00	0.00E+00	4.30E-08	8.13E-09	5.16E-08	7.96E-09	7.24E-09	1.18E-07	1.22E-07	4.48E-08	6.09E-08	2.28E-08	1.22E-07	4.48E-08
3658	495363.1	3850877	3.94E-04	4.04E-04	3.81E-04	1.36E-07	4.12E-07	2.38E-07	2.44E-07	2.21E-07	1.01E-07	9.53E-08	0.00E+00	0.00E+00	4.39E-08	8.29E-09	5.26E-08	8.11E-09	7.38E-09	1.20E-07	1.24E-07	4.56E-08	6.21E-08	2.32E-08	1.24E-07	4.56E-08
3659	495863.1	3850877	3.87E-04	3.96E-04	3.74E-04	1.34E-07	4.04E-07	2.34E-07	2.40E-07	2.17E-07	9.91E-08	9.35E-08	0.00E+00	0.00E+00	4.30E-08	8.13E-09	5.16E-08	7.96E-09	7.24E-09	1.18E-07	1.22E-07	4.48E-08	6.09E-08	2.28E-08	1.22E-07	4.48E-08
3660	496363.1	3850877	3.85E-04	3.95E-04	3.72E-04	1.33E-07	4.03E-07	2.33E-07	2.39E-07	2.16E-07	9.87E-08	9.31E-08	0.00E+00	0.00E+00	4.29E-08	8.10E-09	5.14E-08	7.93E-09	7.21E-09	1.18E-07	1.22E-07	4.46E-08	6.07E-08	2.27E-08	1.22E-07	4.46E-08
3661	496863.1	3850877	3.90E-04	3.99E-04	3.76E-04	1.35E-07	4.07E-07	2.36E-07	2.41E-07	2.19E-07	9.99E-08	9.42E-08	0.00E+00	0.00E+00	4.34E-08	8.20E-09	5.20E-08	8.02E-09	7.29E-09	1.19E-07	1.23E-07	4.51E-08	6.14E-08	2.29E-08	1.23E-07	4.51E-08
3662	497363.1	3850877	3.81E-04	3.90E-04	3.68E-04	1.32E-07	3.98E-07	2.30E-07	2.36E-07	2.14E-07	9.76E-08	9.21E-08	0.00E+00	0.00E+00	4.24E-08	8.01E-09	5.08E-08	7.84E-09	7.13E-09	1.16E-07	1.20E-07	4.41E-08	6.00E-08	2.24E-08	1.20E-07	4.41E-08
3663	497863.1	3850877	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	0.00E+00	0.00E+00	4.12E-08	7.79E-09	4.94E-08	7.63E-09	6.94E-09	1.13E-07	1.17E-07	4.29E-08	5.84E-08	2.18E-08	1.17E-07	4.29E-08
3664	498363.1	3850877	3.60E-04	3.69E-04	3.48E-04	1.25E-07	3.76E-07	2.18E-07	2.23E-07	2.02E-07	9.23E-08	8.71E-08	0.00E+00	0.00E+00	4.01E-08	7.58E-09	4.81E-08	7.41E-09	6.74E-09	1.10E-07	1.14E-07	4.17E-08	5.67E-08	2.12E-08	1.14E-07	4.17E-08
3665	471363.1	3851377	2.85E-04	2.92E-04	2.75E-04	9.86E-08	2.98E-07	1.72E-07	1.77E-07	1.60E-07	7.30E-08	6.89E-08	0.00E+00	0.00E+00	3.17E-08	5.99E-09	3.80E-08	5.86E-09	5.33E-09	8.69E-08	8.99E-08	3.30E-08	4.49E-08	1.68E-08	8.99E-08	3.30E-08
3666	471863.1	3851377	3.31E-04	3.39E-04	3.19E-04	1.14E-07	3.46E-07	2.00E-07	2.05E-07	1.86E-07	8.47E-08	7.99E-08	0.00E+00	0.00E+00	3.68E-08	6.95E-09	4.41E-08	6.80E-09	6.19E-09	1.01E-07	1.04E-07	3.83E-08	5.21E-08	1.95E-08	1.04E-07	3.83E-08
3667	472363.1	3851377	3.42E-04	3.51E-04	3.31E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.78E-08	8.28E-08	0.00E+00	0.00E+00	3.81E-08	7.20E-09	4.57E-08	7.05E-09	6.41E-09	1.04E-07	1.08E-07	3.96E-08	5.39E-08	2.02E-08	1.08E-07	3.96E-08
3668	472863.1	3851377	3.57E-04	3.66E-04	3.45E-04	1.24E-07	3.73E-07	2.16E-07	2.21E-07	2.01E-07	9.16E-08	8.64E-08	0.00E+00	0.00E+00	3.98E-08	7.51E-09	4.77E-08	7.35E-09	6.69E-09	1.09E-07	1.13E-07	4.13E-08	5.63E-08	2.10E-08	1.13E-07	4.13E-08
3669	473363.1	3851377	3.44E-04	3.52E-04	3.32E-04	1.19E-07	3.59E-07	2.08E-07	2.13E-07	1.93E-07	8.81E-08	8.31E-08	0.00E+00	0.00E+00	3.83E-08	7.23E-09	4.59E-08	7.08E-09	6.44E-09	1.05E-07	1.09E-07	3.98E-08	5.42E-08	2.02E-08	1.09E-07	3.98E-08
3670	473863.1	3851377	3.67E-04	3.76E-04	3.55E-04	1.27E-07	3.84E-07	2.22E-07	2.28E-07	2.06E-07	9.42E-08	8.89E-08	0.00E+00	0.00E+00	4.09E-08	7.73E-09	4.91E-08	7.56E-09	6.88E-09	1.12E-07	1.16E-07	4.25E-08	5.79E-08	2.16E-08	1.16E-07	4.25E-08
3671	474363.1	3851377	4.38E-04	4.49E-04	4.23E-04	1.52E-07	4.58E-07	2.65E-07	2.72E-07	2.46E-07	1.12E-07	1.06E-07	0.00E+00	0.00E+00	4.88E-08	9.22E-09	5.85E-08	9.02E-09	8.21E-09	1.34E-07	1.38E-07	5.07E-08	6.91E-08	2.58E-08	1.38E-07	5.07E-08
3672	474863.1	3851377	5.00E-04	5.12E-04	4.83E-04	1.73E-07	5.23E-07	3.03E-07	3.10E-07	2.81E-07	1.28E-07	1.21E-07	0.00E+00	0.00E+00	5.57E-08	1.05E-08	6.68E-08	1.03E-08	9.37E-09	1.53E-07	1.58E-07	5.79E-08	7.88E-08	2.95E-08	1.58E-07	5.79E-08
3673	475363.1	3851377	5.49E-04	5.62E-04	5.30E-04	1.90E-07	5.74E-07	3.32E-07	3.40E-07	3.08E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.11E-08	1.15E-08	7.33E-08	1.13E-08	1.03E-08	1.68E-07	1.73E-07	6.36E-08	8.65E-08	3.23E-08	1.73E-07	6.36E-08
3674	475863.1	3851377	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	0.00E+00	0.00E+00	6.62E-08	1.25E-08	7.94E-08	1.22E-08	1.11E-08	1.81E-07	1.88E-07	6.89E-08	9.37E-08	3.50E-08	1.88E-07	6.89E-08
3675	476363.1	3851377	6.51E-04	6.67E-04	6.29E-04	2.25E-07	6.80E-07	3.94E-07	4.03E-07	3.66E-07	1.67E-07	1.57E-07	0.00E+00	0.00E+00	7.25E-08	1.37E-08	8.69E-08	1.34E-08	1.22E-08	1.99E-07	2.05E-07	7.53E-08	1.03E-07	3.83E-08	2.05E-07	7.53E-08
3676	476863.1	3851377	7.16E-04	7.33E-04	6.92E-04	2.48E-07	7.48E-07	4.33E-07	4.44E-07	4.02E-07	1.83E-07	1.73E-07	0.00E+00	0.00E+00	7.97E-08	1.51E-08	9.55E-08	1.47E-08	1.34E-08	2.18E-07	2.26E-07	8.29E-08	1.13E-07	4.21E-08	2.26E-07	8.29E-08
3677	477363.1	3851377	7.87E-04	8.06E-04	7.60E-04	2.72E-07	8.22E-07	4.76E-07	4.88E-07	4.42E-07	2.02E-07	1.90E-07	0.00E+00	0.00E+00	8.76E-08	1.65E-08	1.05E-07	1.62E-08	1.47E-08	2.40E-07	2.48E-07	9.11E-08	1.24E-07	4.63E-08	2.48E-07	9.11E-08
3678	477863.1	3851377	8.87E-04	9.08E-04	8.57E-04	3.07E-07	9.27E-07	5.37E-07	5.50E-07	4.98E-07	2.27E-07	2.14E-07	0.00E+00	0.00E+00	9.87E-08	1.87E-08	1.18E-07	1.83E-08	1.66E-08	2.71E-07	2.80E-07	1.03E-07	1.40E-07	5.22E-08	2.80E-07	1.03E-07
3679	478363.1	3851377	1.03E-03	1.05E-03	9.91E-04	3.55E-07	1.07E-06	6.21E-07	6.36E-07	5.76E-07	2.63E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.16E-08	1.37E-07	2.11E-08	1.92E-08	3.13E-07	3.24E-07	1.19E-07	1.62E-07	6.04E-08	3.24E-07	1.19E-07
3680	478863.1	3851377	1.24E-03	1.27E-03	1.20E-03	4.31E-07	1.30E-06	7.53E-07	7.71E-07	6.99E-07	3.19E-07	3.01E-07	0.00E+00	0.00E+00	1.38E-07	2.62E-08	1.66E-07	2.56E-08	2.33E-08	3.80E-07	3.93E-07	1.44E-07	1.96E-07	7.32E-08	3.93E-07	1.44E-07
3681	479363.1	3851377	1.61E-03	1.65E-03	1.55E-03	5.56E-07	1.68E-06	9.72E-07	9.96E-07	9.03E-07	4.12E-07	3.89E-07	0.00E+00	0.00E+00	1.79E-07	3.38E-08	2.15E-07	3.31E-08	3.01E-08	4.90E-07	5.07E-07	1.86E-07	2.53E-07	9.46E-08	5.07E-07	1.86E-07
3682	479863.1	3851377	2.35E-03	2.41E-03	2.27E-03	8.14E-07	2.46E-06	1.42E-06	1.46E-06	1.32E-06	6.03E-07	5.68E-07	0.00E+00	0.00E+00	2.62E-07	4.95E-08	3.14E-07	4.84E-08	4.40E-08	7.17E-07	7.42E-07	2.72E-07	3.70E-07	1.38E-07	7.42E-07	2.72E-07
3683	480363.1	3851377	5.11E-03	5.24E-03	4.94E-03	1.77E-06	5.35E-06	3.09E-06	3.17E-06	2.87E-06	1.31E-06	1.24E-06	0.00E+00	0.00E+00	5.69E-07	1.08E-07	6.83E-07	1.05E-07	9.57E-08	1.56E-06	1.61E-06	5.92E-07	8.06E-07	3.01E-07	1.61E-06	5.92E-07
3684	480863.1	3851377	4.51E-02	4.62E-02	4.36E-02	1.56E-05	4.71E-05	2.73E-05	2.79E-05	2.53E-05	1.16E-05	1.09E-05	0.00E+00	0.00E+00	5.02E-06	9.49E-07	6.02E-06	9.28E-07	8.44E-07	1.38E-05	1.42E-05	5.22E-06	7.10E-06	2.65E-06	1.42E-05	5.22E-06
3685	481363.1	3851377	8.25E-03	8.45E-03	7.97E-03	2.86E-06	8.62E-06	4.99E-06	5.11E-06	4.63E-06	2.11E-06	1.99E-06	0.00E+00	0.00E+00	9.18E-07	1.74E-07	1.10E-06	1.70E-07	1.54E-07	2.52E-06	2.60E-06	9.55E-07	1.30E-06	4.86E-07	2.60E-06	9.55E-07
3686	481863.1	3851377	3.98E-03	4.08E-03	3.85E-03	1.38E-06	4.16E-06	2.41E-06	2.47E-06	2.24E-06	1.02E-06	9.63E-07	0.00E+00	0.00E+00	4.43E-07	8.38E-08	5.32E-07	8.20E-08	7.46E-08	1.22E-06	1.26E-06	4.61E-07	6.28E-07	2.34E-07	1.26E-06	4.61E-07
3687	482363.1	3851377	2.60E-03	2.67E-03	2.52E-03	9.01E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.67E-07	6.29E-07	0.00E+00	0.00E+00	2.90E-07	5.48E-08	3.48E-07	5.36E-08	4.87E-08	7.94E-07	8.22E-07	3.01E-07	4.10E-07	1.53E-07	8.22E-07	3.01E-07
3688	482863.1	3851377	1.79E-03	1.84E-03	1.73E-03	6.21E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.60E-07	4.34E-07	0.00E+00	0.00E+00	2.00E-07	3.78E-08	2.40E-07	3.69E-08	3.36E-08	5.48E-07	5.66E-07	2.08E-07	2.83E-07	1.06E-07	5.66E-07	2.08E-07
3689	483363.1	3851377	1.37E-03	1.41E-03	1.33E-03	4.75E-07	1.43E-06	8.30E-07	8.51E-07	7.71E-07	3.52E-07	3.32E-07	0.00E+00	0.00E+00	1.53E-07	2.89E-08	1.83E-07	2.83E-08	2.57E-08	4.19E-07	4.33E-07	1.59E-07	2.16E-07	8.08E-08	4.33E-07	1.59E-07
3690	483863.1	3851377	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.22E-06	7.09E-07	7.26E-07	6.58E-07	3.00E-07	2.83E-07	0.00E+00	0.00E+00	1.30E-07	2.47E-08	1.56E-07	2.41E-08	2.19E-08	3.58E-07	3.70E-07	1.36E-07	1.85E-07	6.90E-08	3.70E-07	1.36E-07
3691	484363.1	3851377	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	7.21E-07	6.53E-07	2.98E-07	2.81E-07	0.00E+00	0.00E+00	1.29E-07	2.45E-08	1.55E-07	2.39E-08	2.18E-08	3.55E-07	3.67E-07	1.35E-07	1.83E-07	6.85E-08	3.67E-07	1.35E-07
3692	484863.1	3851377	9.70E-04	9.93E-04	9.37E-04	3.36E-07	1.01E-06	5.87E-07	6.01E-07	5.45E-07	2.49E-07	2.34E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.29E-07	2.00E-08	1.82E-08	2.96E-07	3.06E-07	1.12E-07	1.53E-07	5.71E-08	3.06E-07	1.12E-07
3693	485363.1	3851377	9.87E-04	1.01E-03	9.54E-04	3.42E-07	1.03E-06	5.97E-07	6.12E-07	5.55E-07	2.53E-07	2.39E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.03E-08	1.85E-08	3.01E-07	3.12E-07	1.14E-07	1.56E-07	5.81E-08	3.12E-07	1.14E-07

3694	485863.1	3851377	8.78E-04	8.99E-04	8.48E-04	3.04E-07	9.18E-07	5.31E-07	5.44E-07	4.93E-07	2.25E-07	2.12E-07	0.00E+00	0.00E+00	9.78E-08	1.85E-08	1.17E-07	1.81E-08	1.64E-08	2.68E-07	2.77E-07	1.02E-07	1.38E-07	5.17E-08	2.77E-07	1.02E-07
3695	486363.1	3851377	8.50E-04	8.71E-04	8.21E-04	2.94E-07	8.89E-07	5.14E-07	5.27E-07	4.78E-07	2.18E-07	2.06E-07	0.00E+00	0.00E+00	9.46E-08	1.79E-08	1.13E-07	1.75E-08	1.59E-08	2.59E-07	2.68E-07	9.84E-08	1.34E-07	5.00E-08	2.68E-07	9.84E-08
3696	486863.1	3851377	7.91E-04	8.10E-04	7.64E-04	2.74E-07	8.27E-07	4.79E-07	4.90E-07	4.44E-07	2.03E-07	1.91E-07	0.00E+00	0.00E+00	8.81E-08	1.66E-08	1.06E-07	1.63E-08	1.48E-08	2.41E-07	2.50E-07	9.16E-08	1.25E-07	4.66E-08	2.50E-07	9.16E-08
3697	487363.1	3851377	7.11E-04	7.29E-04	6.87E-04	2.46E-07	7.44E-07	4.30E-07	4.41E-07	4.00E-07	1.82E-07	1.72E-07	0.00E+00	0.00E+00	7.92E-08	1.50E-08	9.50E-08	1.46E-08	1.33E-08	2.17E-07	2.25E-07	8.23E-08	1.12E-07	4.19E-08	2.25E-07	8.23E-08
3698	487863.1	3851377	6.94E-04	7.10E-04	6.70E-04	2.40E-07	7.25E-07	4.20E-07	4.30E-07	3.90E-07	1.78E-07	1.68E-07	0.00E+00	0.00E+00	7.72E-08	1.46E-08	9.26E-08	1.43E-08	1.30E-08	2.12E-07	2.19E-07	8.03E-08	1.09E-07	4.08E-08	2.19E-07	8.03E-08
3699	488363.1	3851377	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	0.00E+00	0.00E+00	7.39E-08	1.40E-08	8.86E-08	1.37E-08	1.24E-08	2.03E-07	2.10E-07	7.69E-08	1.05E-07	3.91E-08	2.10E-07	7.69E-08
3700	488863.1	3851377	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.33E-08	8.41E-08	1.30E-08	1.18E-08	1.92E-07	1.99E-07	7.30E-08	9.93E-08	3.71E-08	1.99E-07	7.30E-08
3701	489363.1	3851377	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	0.00E+00	0.00E+00	6.69E-08	1.26E-08	8.02E-08	1.24E-08	1.12E-08	1.83E-07	1.90E-07	6.95E-08	9.46E-08	3.54E-08	1.90E-07	6.95E-08
3702	489863.1	3851377	5.70E-04	5.83E-04	5.50E-04	1.97E-07	5.95E-07	3.45E-07	3.53E-07	3.20E-07	1.46E-07	1.38E-07	0.00E+00	0.00E+00	6.34E-08	1.20E-08	7.60E-08	1.17E-08	1.07E-08	1.74E-07	1.80E-07	6.59E-08	8.97E-08	3.35E-08	1.80E-07	6.59E-08
3703	490363.1	3851377	5.43E-04	5.56E-04	5.25E-04	1.88E-07	5.68E-07	3.29E-07	3.37E-07	3.05E-07	1.39E-07	1.31E-07	0.00E+00	0.00E+00	6.05E-08	1.14E-08	7.25E-08	1.12E-08	1.02E-08	1.66E-07	1.71E-07	6.29E-08	8.56E-08	3.20E-08	1.71E-07	6.29E-08
3704	490863.1	3851377	5.17E-04	5.29E-04	4.99E-04	1.79E-07	5.40E-07	3.13E-07	3.20E-07	2.90E-07	1.32E-07	1.25E-07	0.00E+00	0.00E+00	5.75E-08	1.09E-08	6.89E-08	1.06E-08	9.67E-09	1.58E-07	1.63E-07	5.98E-08	8.14E-08	3.04E-08	1.63E-07	5.98E-08
3705	491363.1	3851377	4.87E-04	4.99E-04	4.71E-04	1.69E-07	5.09E-07	2.95E-07	3.02E-07	2.74E-07	1.25E-07	1.18E-07	0.00E+00	0.00E+00	5.42E-08	1.02E-08	6.50E-08	1.00E-08	9.12E-09	1.49E-07	1.54E-07	5.64E-08	7.67E-08	2.87E-08	1.54E-07	5.64E-08
3706	491863.1	3851377	4.62E-04	4.73E-04	4.46E-04	1.60E-07	4.83E-07	2.80E-07	2.86E-07	2.60E-07	1.18E-07	1.12E-07	0.00E+00	0.00E+00	5.14E-08	9.72E-09	6.17E-08	9.51E-09	8.65E-09	1.41E-07	1.46E-07	5.35E-08	7.28E-08	2.72E-08	1.46E-07	5.35E-08
3707	492363.1	3851377	4.43E-04	4.53E-04	4.28E-04	1.53E-07	4.63E-07	2.68E-07	2.74E-07	2.49E-07	1.13E-07	1.07E-07	0.00E+00	0.00E+00	4.93E-08	9.31E-09	5.91E-08	9.11E-09	8.29E-09	1.35E-07	1.40E-07	5.13E-08	6.98E-08	2.61E-08	1.40E-07	5.13E-08
3708	492863.1	3851377	4.21E-04	4.31E-04	4.06E-04	1.46E-07	4.40E-07	2.55E-07	2.61E-07	2.36E-07	1.08E-07	1.02E-07	0.00E+00	0.00E+00	4.68E-08	8.85E-09	5.61E-08	8.66E-09	7.88E-09	1.28E-07	1.33E-07	4.87E-08	6.63E-08	2.48E-08	1.33E-07	4.87E-08
3709	493363.1	3851377	3.87E-04	3.96E-04	3.74E-04	1.34E-07	4.04E-07	2.34E-07	2.40E-07	2.17E-07	9.91E-08	9.35E-08	0.00E+00	0.00E+00	4.30E-08	8.13E-09	5.16E-08	7.96E-09	7.24E-09	1.18E-07	1.22E-07	4.48E-08	6.09E-08	2.28E-08	1.22E-07	4.48E-08
3710	493863.1	3851377	3.90E-04	3.99E-04	3.76E-04	1.35E-07	4.07E-07	2.36E-07	2.41E-07	2.19E-07	9.99E-08	9.42E-08	0.00E+00	0.00E+00	4.34E-08	8.20E-09	5.20E-08	8.02E-09	7.29E-09	1.19E-07	1.23E-07	4.51E-08	6.14E-08	2.29E-08	1.23E-07	4.51E-08
3711	494363.1	3851377	4.09E-04	4.19E-04	3.95E-04	1.42E-07	4.27E-07	2.47E-07	2.53E-07	2.30E-07	1.05E-07	9.88E-08	0.00E+00	0.00E+00	4.55E-08	8.60E-09	5.46E-08	8.42E-09	7.65E-09	1.25E-07	1.29E-07	4.73E-08	6.44E-08	2.41E-08	1.29E-07	4.73E-08
3712	494863.1	3851377	4.03E-04	4.13E-04	3.89E-04	1.39E-07	4.21E-07	2.44E-07	2.50E-07	2.26E-07	1.03E-07	9.74E-08	0.00E+00	0.00E+00	4.49E-08	8.48E-09	5.38E-08	8.29E-09	7.54E-09	1.23E-07	1.27E-07	4.66E-08	6.35E-08	2.37E-08	1.27E-07	4.66E-08
3713	495363.1	3851377	4.18E-04	4.28E-04	4.04E-04	1.45E-07	4.37E-07	2.53E-07	2.59E-07	2.35E-07	1.07E-07	1.01E-07	0.00E+00	0.00E+00	4.65E-08	8.79E-09	5.58E-08	8.60E-09	7.82E-09	1.27E-07	1.32E-07	4.83E-08	6.58E-08	2.46E-08	1.32E-07	4.83E-08
3714	495863.1	3851377	4.15E-04	4.25E-04	4.01E-04	1.44E-07	4.33E-07	2.51E-07	2.57E-07	2.33E-07	1.06E-07	1.00E-07	0.00E+00	0.00E+00	4.62E-08	8.72E-09	5.54E-08	8.54E-09	7.76E-09	1.27E-07	1.31E-07	4.80E-08	6.53E-08	2.44E-08	1.31E-07	4.80E-08
3715	496363.1	3851377	4.09E-04	4.19E-04	3.95E-04	1.42E-07	4.27E-07	2.47E-07	2.53E-07	2.30E-07	1.05E-07	9.88E-08	0.00E+00	0.00E+00	4.55E-08	8.60E-09	5.46E-08	8.42E-09	7.65E-09	1.25E-07	1.29E-07	4.73E-08	6.44E-08	2.41E-08	1.29E-07	4.73E-08
3716	496863.1	3851377	4.01E-04	4.11E-04	3.88E-04	1.39E-07	4.20E-07	2.43E-07	2.49E-07	2.26E-07	1.03E-07	9.71E-08	0.00E+00	0.00E+00	4.47E-08	8.44E-09	5.36E-08	8.26E-09	7.52E-09	1.22E-07	1.27E-07	4.65E-08	6.32E-08	2.36E-08	1.27E-07	4.65E-08
3717	497363.1	3851377	3.93E-04	4.02E-04	3.79E-04	1.36E-07	4.10E-07	2.38E-07	2.43E-07	2.21E-07	1.01E-07	9.49E-08	0.00E+00	0.00E+00	4.37E-08	8.26E-09	5.24E-08	8.08E-09	7.35E-09	1.20E-07	1.24E-07	4.54E-08	6.18E-08	2.31E-08	1.24E-07	4.54E-08
3718	497863.1	3851377	3.82E-04	3.92E-04	3.69E-04	1.32E-07	4.00E-07	2.31E-07	2.37E-07	2.15E-07	9.80E-08	9.24E-08	0.00E+00	0.00E+00	4.26E-08	8.04E-09	5.10E-08	7.87E-09	7.16E-09	1.17E-07	1.21E-07	4.42E-08	6.02E-08	2.25E-08	1.21E-07	4.42E-08
3719	498363.1	3851377	3.66E-04	3.75E-04	3.54E-04	1.27E-07	3.83E-07	2.21E-07	2.27E-07	2.06E-07	9.38E-08	8.85E-08	0.00E+00	0.00E+00	4.07E-08	7.70E-09	4.89E-08	7.53E-09	6.85E-09	1.12E-07	1.16E-07	4.24E-08	5.77E-08	2.15E-08	1.16E-07	4.24E-08
3720	471363.1	3851877	2.79E-04	2.86E-04	2.69E-04	9.66E-08	2.92E-07	1.69E-07	1.73E-07	1.57E-07	7.15E-08	6.74E-08	0.00E+00	0.00E+00	3.11E-08	5.87E-09	3.72E-08	5.74E-09	5.22E-09	8.51E-08	8.80E-08	3.23E-08	4.39E-08	1.64E-08	8.80E-08	3.23E-08
3721	471863.1	3851877	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	0.00E+00	0.00E+00	3.12E-08	5.90E-09	3.74E-08	5.77E-09	5.25E-09	8.56E-08	8.85E-08	3.25E-08	4.42E-08	1.65E-08	8.85E-08	3.25E-08
3722	472363.1	3851877	3.06E-04	3.13E-04	2.95E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.72E-07	7.83E-08	7.39E-08	0.00E+00	0.00E+00	3.40E-08	6.43E-09	4.08E-08	6.29E-09	5.72E-09	9.32E-08	9.64E-08	3.54E-08	4.81E-08	1.80E-08	9.64E-08	3.54E-08
3723	472863.1	3851877	3.29E-04	3.37E-04	3.18E-04	1.14E-07	3.44E-07	1.99E-07	2.04E-07	1.85E-07	8.44E-08	7.96E-08	0.00E+00	0.00E+00	3.66E-08	6.92E-09	4.39E-08	6.77E-09	6.16E-09	1.00E-07	1.04E-07	3.81E-08	5.18E-08	1.94E-08	1.04E-07	3.81E-08
3724	473363.1	3851877	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	0.00E+00	0.00E+00	3.57E-08	6.74E-09	4.27E-08	6.59E-09	6.00E-09	9.77E-08	1.01E-07	3.71E-08	5.05E-08	1.89E-08	1.01E-07	3.71E-08
3725	473863.1	3851877	3.28E-04	3.36E-04	3.17E-04	1.13E-07	3.42E-07	1.98E-07	2.03E-07	1.84E-07	8.40E-08	7.92E-08	0.00E+00	0.00E+00	3.65E-08	6.89E-09	4.37E-08	6.74E-09	6.13E-09	1.00E-07	1.03E-07	3.79E-08	5.16E-08	1.93E-08	1.03E-07	3.79E-08
3726	474363.1	3851877	3.72E-04	3.81E-04	3.59E-04	1.29E-07	3.89E-07	2.25E-07	2.30E-07	2.09E-07	9.53E-08	8.99E-08	0.00E+00	0.00E+00	4.14E-08	7.82E-09	4.96E-08	7.66E-09	6.96E-09	1.13E-07	1.17E-07	4.31E-08	5.86E-08	2.19E-08	1.17E-07	4.31E-08
3727	474863.1	3851877	4.24E-04	4.34E-04	4.09E-04	1.47E-07	4.43E-07	2.56E-07	2.63E-07	2.38E-07	1.09E-07	1.02E-07	0.00E+00	0.00E+00	4.72E-08	8.91E-09	5.65E-08	8.72E-09	7.93E-09	1.29E-07	1.34E-07	4.90E-08	6.67E-08	2.49E-08	1.34E-07	4.90E-08
3728	475363.1	3851877	4.63E-04	4.75E-04	4.48E-04	1.60E-07	4.84E-07	2.80E-07	2.87E-07	2.60E-07	1.19E-07	1.12E-07	0.00E+00	0.00E+00	5.16E-08	9.75E-09	6.19E-08	9.54E-09	8.68E-09	1.41E-07	1.46E-07	5.36E-08	7.30E-08	2.73E-08	1.46E-07	5.36E-08
3729	475863.1	3851877	5.05E-04	5.17E-04	4.88E-04	1.75E-07	5.28E-07	3.05E-07	3.13E-07	2.84E-07	1.29E-07	1.22E-07	0.00E+00	0.00E+00	5.62E-08	1.06E-08	6.74E-08	1.04E-08	9.45E-09	1.54E-07	1.59E-07	5.84E-08	7.95E-08	2.97E-08	1.59E-07	5.84E-08
3730	476363.1	3851877	5.27E-04	5.40E-04	5.09E-04	1.82E-07	5.51E-07	3.19E-07	3.27E-07	2.96E-07	1.35E-07	1.27E-07	0.00E+00	0.00E+00	5.87E-08	1.11E-08	7.03E-08	1.08E-08	9.86E-09	1.61E-07	1.66E-07	6.10E-08	8.30E-08	3.10E-08	1.66E-07	6.10E-08
3731	476863.1	3851877	5.81E-04	5.96E-04	5.62E-04	2.01E-07	6.08E-07	3.52E-07	3.60E-07	3.27E-07	1.49E-07	1.41E-07	0.00E+00	0.00E+00	6.47E-08	1.22E-08	7.76E-08	1.20E-08	1.09E-08	1.77E-07	1.84E-07	6.73E-08	9.16E-08	3.42E-08	1.84E-07	6.73E-08
3732	477363.1	3851877	6.38E-04	6.53E-04	6.16E-04	2.21E-07	6.66E-07	3.86E-07	3.95E-07	3.58E-07	1.63E-07	1.54E-07	0.00E+00	0.00E+00	7.10E-08	1.34E-08	8.51E-08	1.31E-08	1.19E-08	1.95E-07	2.01E-07	7.38E-08	1.00E-07	3.75E-08	2.01E-07	7.38E-08
3733	477863.1	3851877	7.00E-04	7.17E-04	6.76E-04	2.42E-07	7.31E-07	4.23E-07	4.34E-07	3.93E-07	1.79E-07	1.69E-07	0.00E+00	0.00E+00	7.79E-08	1.47E-08	9.34E-08	1.44E-08	1.31E-08	2.13E-07	2.21E-07	8.10E-08	1.10E-07	4.12E-08	2.21E-07	8.10E-08
3734	478363.1	3851877	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	0.00E+00	0.00E+00	8.48E-08	1.60E-08	1.02E-07	1.57E-08	1.43E-08	2.32E-07	2.40E-07	8.82E-08	1.20E-07	4.48E-08	2.40E-07	8.82E-08
3735	478863.1	3851877	8.74E-04	8.95E-04	8.44E-04	3.02E-07	9.13E-07	5.29E-07	5.41E-07	4.91E-07	2.24E-07	2.11E-07	0.00E+00	0.00E+00	9.73E-08	1.84E-08	1.17E-07	1.80E-08	1.64E-08	2.67E-07	2.76E-07	1.01E-07	1.38E-07	5.14E-08	2.76E-07	1.01E-07
3736	479363.1	3851877	1.03E-03	1.06E-03	9.98E-04	3.58E-07	1.08E-06	6.25E-07	6.40E-07	5.80E-07	2.65E-07	2.50E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.13E-08	1.93E-08	3.15E-07	3.26E-07	1.20E-07	1.63E-07	6.08E-08	3.26E-07	1.20E-07
3737	479863.1	3851877	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.79E-07	7.06E-07	3.22E-07	3.04E-07	0.00E+00	0.00E+00	1.40E-07	2.65E-08	1.68E-07	2.59E-08	2.35E-08	3.84E-07	3.97E-07	1.46E-07	1.98E-07	7.40E-08	3.97E-07	1.46E-07
3738	480363.1	3851877	1.64E-03	1.68E-03	1.58E-03	5.68E-07	1.71E-06	9.92E-07	1.02E-06	9.21E-07	4.20E-07	3.96E-07	0.00E+00	0.00E+00	1.83E-07	3.45E-08	2.19E-07	3.38E-08	3.07E-08	5.00E-07	5.18E-07	1.90E-07	2.58E-07	9.65E-08	5.18E-07	1.90E-07
3739	480863.1	3851877	2.56E-03	2.63E-03	2.48E-03	8.87E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.57E-07	6.20E-07	0.00E+00	0.00E+00	2.85E-07	5.39E-08	3.42E-07	5.28E-08	4.80E-08	7.82E-07	8.09E-07	2.97E-07	4.04E-07	1.51E-07	8.09E-07	2.97E-07
3740	481363.1	3851877	1.15E-02	1.18E-02	1.11E-02	3.99E-06	1.20E-05	6.97E-06	7.14E-06	6.47E-06	2.95E-06	2.78E-06	0.00E+00	0.00E+00	1.28E-06	2.42E-07	1.54E-06	2.37E-07	2.16E-07	3.51E-06	3.63E-06	1.33E-06	1.81E-06	6.78E-07	3.63E-06	1.33E-06
3741	481863.1	3851877	7.96E-03	8.15E-03	7.69E-03	2.75E-06	8.32E-06	4.82E-06	4.93E-06	4.47E-06	2.04E-06	1.92E-06	0.00E+00	0.00E+00	8.86E-07	1.67E-07	1.06E-06	1.64E-07	1.49E-07	2.43E-06	2.51E-06	9.21E-07	1.25E-06	4.68E-07	2.51E-06	9.21E-07
3742	482363.1	3851877	3.16E-03	3.24E-03	3.05E-03	1.09E-06	3.30E-06	1.91E-06	1.96E-06	1.78E-06	8.10E-07	7.64E-07	0.00E+00	0.00E+00	3.52E-07	6.65E-08	4.22E-07	6.51E-08	5.92E-08	9.65E-07	9.98E-07	3.66E-07	4.98E-07	1.86E-07	9.98E-07	3.66E-07
3743	482863.1	3851877	1.95E-03	2.00E-03	1.89E-03	6.76E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.01E-07	4.72E-07	0.00E+00	0.00E+00	2.17E-07	4.11E-08	2.61E-07	4.02E-08	3.66E-08	5.96E-07	6.16E-07	2.26E-07	3.08E-07	1.15E-07	6.16E-07	2.26E-07
3744	483363.1	3851877	1.63E-03	1.67E-03	1.57E-03	5.63E-07	1.70E-06	9.84E-07	1.01E-06	9.14E-07	4.17E-07	3.93E-07	0.00E+00	0.00E+00	1.81E-07	3.42E-08	2.17E-07	3.35E-08	3.05E-08	4.96E-07	5.13E-07	1.88E-07	2.56E-07	9.57E-08	5.13E-07	1.88E-07
3745	483863.1	3851877	1.36E-03	1.40E-03	1.32E-03	4.72E-07	1.43E-06	8.25E-07	8.45E-07	7.66E-07	3.50E-07	3.30E-07	0.00E+00	0.00E+00	1.52E-07	2.87E-08	1.82E-07	2.81E-08	2.55E-08	4.16E-07	4.30E-07	1.58E-07	2.15E-07	8.03E-08	4.30E-07	1.58E-07
3746	484363.1	3851877	1.27E-03	1.30E-03	1.23E-03	4.39E-07	1.33E-06	7.68E-07	7.87E-07	7.13E-07	3.25E-07	3.07E-07	0.00E+00	0.00E+00	1.41E-07	2.67E-08	1.69E-07	2.61E-08	2.38E-08	3.87E-07	4.01E-07	1.47E-07	2.00E-07	7.47E-08	4.01E-07	1.47E-07
3747	484863.1	3851877	1.12E-03	1.14E-03	1.08E-03	3.87E-07	1.17E-06	6.76E-07	6.92E-07	6.28E-07	2.86E-07	2.70E-07	0.00E+00	0.00E+00	1.24E-07	2.35E-08	1.49E-07	2.30E-08	2.09E-08	3.41E-07	3.53E-07	1.29E-07	1.76E-07	6.58E-08	3.53E-07	1.29E-07
3748	485363.1	3851877	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.28E-07	6.43E-07	5.83E-07	2.66E-07	2.51E-07	0.00E+00	0.00E+00	1.15E-07	2.18E-08	1.38E-07	2.14E-08	1.94E-08	3.17E-07	3.27E-07	1.20E-07	1.63E-07	6.11E-08	3.27E-07	1.20E-07
3749	485863.1	3851877	9.67E-04	9.90E-04	9.34E-04	3.35E-07	1.01E-06	5.85E-07	5.99E-07	5.43E-07	2.48E-07	2.34E-07	0.00E+00	0.00E+00	1.08E-07	2.03E-08	1.29E-07	1.99E-08	1.81E-08	2.95E-07	3.05E-07	1.12E-07	1.52E-07	5.69E-08	3.05E-07	1.12E-07
3750	486363.1	3851877	8.69E-04	8.90E-04	8.40E-04	3.01E-07	9.09E-07	5.26E-07	5.39E-07	4.88E-07	2.23E-07	2.10E-07	0.00E+00	0.00E+00	9.68E-08	1.83E-08	1.16E-07	1.79E-08	1.63E-08	2.65E-07	2.74E-07	1.01E-07	1.37E-07	5.12E-08	2.74E-07	1.01E-07
3751	486863.1	3851877	8.13E-04	8.33E-04	7.86E-04	2.82E-07	8.50E-07	4.92E-07	5.04E-07	4.57E-07	2.08E-07	1.97E-07	0.00E+00	0.00E+00	9.05E-08	1.71E-08	1.09E-07	1.67E-08	1.52E-08	2.48E-07	2.57E-07	9.41E-08	1.28E-07	4.79E-08	2.57E-07	9.41E-08
3752	487363.1	3851877	7.63E-04	7.82E-04	7.37E-04	2.64E-07	7.98E-07	4.62E-07	4.73E-07	4.29E-07	1.96E-07	1.84E-07	0.00E+00	0.00E+00	8.49E-08	1.61E-08	1.02E-07	1.57E-08	1.43E-08	2.33E-07	2.41E-07	8.83E-08	1.20E-07	4.49E-08	2.41E-07	8.83E-08
3753	487863.1	3851877	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.71E-08	1.46E-08	9.24E-08	1.42E-08	1.30E-08	2.11E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
3754	488363.1	3851877	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	0.00E+00	0.00E+00	7.33E-08	1.38E-08	8.79E-08	1.35E-08	1.23E-08	2.01E-07	2.08E-07	7.62E-08	1.04E-07	3.87E-08	2.08E-07	7.62E-08
3755	488863.1	3851877	6.14E-04	6.29E-04	5.93E-04	2.13E-07	6.42E-07	3.71E-07	3.80E-07	3.45E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.83E-08	1.29E-08	8.20E-08	1.26E-08	1.15E-08	1.87E-07	1.94E-07	7.11E-08	9.67E-08	3.61E-08	1.94E-07	7.11E-08
3756	489363.1	3851877	5.76E-04	5.90E-04	5.56E-04	1.99E-07	6.02E-07	3.48E-07	3.57E-07	3.23E-07	1.48E-07	1.39E-07	0.00E+00	0.00E+00	6.41E-08	1.21E-08	7.68E-08	1.18E-08	1.08E-08	1.76E-07	1.82E-07	6.66E-08	9.07E-08	3.39E-08	1.82E-07	6.66E-08
3757	489863.1	3851877	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.08E-08	1.15E-08	7.29E-08	1.12E-08	1.02E-08	1.67E-07	1.72E-07	6.32E-08	8.60E-08	3.21E-08	1.72E-07	6.32E-08
3758	490363.1	3851877	5.25E-04	5.38E-04	5.08E-04	1.82E-07	5.49E-07	3.18E-07	3.26E-07	2.95E-07	1.35E-07	1.27E-07	0.00E+00	0.00E+00	5.85E-08	1.11E-08	7.01E-08	1.08E-08	9.84E-09	1.60E-07	1.66E-07	6.08E-08	8.28E-08	3.09E-08	1.66E-07	6.08E-08
3759	490863.1	3851877	5.09E-04	5.22E-04	4.92E-04	1.76E-07	5.32E-07	3.08E-07	3.16E-07	2.86E-07	1.31E-07	1.23E-07	0.00E+00	0.00E+00	5.67E-08	1.07E-08	6.80E-08	1.05E-08	9.53E-09	1.55E-07	1.61E-07	5.89E-08	8.02E-08	3.00E-08	1.61E-07	5.89E-08
3760	491363.1	3851877	4.97E-04	5.09E-04	4.81E-04	1.72E-07	5.20E-07	3.01E-07	3.08E-07	2.79E-07	1.27E-07	1.20E-07	0.00E+00	0.00E+00	5.54E-08	1.05E-08	6.64E-08	1.02E-08	9.31E-09	1.52E-07	1.57E-07	5.76E-08	7.84E-08	2.93E-08	1.57E-07	5.76E-08
3761	491863.1	3851877	4.84E-04	4.96E-04	4.68E-04	1.68E-07	5.06E-07	2.93E-07	3.00E-07	2.72E-07	1.24E-07	1.17E-07	0.00E+00	0.00E+00	5.39E-08	1.02E-08	6.46E-08	9.96E-09	9.06E-09	1.48E-07	1.53E-07	5.60E-08	7.63E-08	2.85E-08	1.53E-07	5.60E-08
3762	492363.1	3851877	4.60E-04	4.72E-04	4.45E-04	1.59E-07	4.81E-07	2.79E-07	2.85E-07	2.59E-07	1.18E-07	1.11E-07	0.00E+00	0.00E+00	5.13E-08	9.69E-09	6.15E-08	9.48E-09	8.62E-09	1.41E-07	1.45E-07	5.33E-08	7.25E-08	2.71E-08	1.45E-07	5.33E-08
3763	492863.1	3851877	4.15E-04	4.25E-04	4.01E-04	1.44E-07	4.33E-07	2.51E-07	2.57E-07	2.33E-07	1.06E-07	1.00E-07	0.00E+00	0.00E+00	4.62E-08	8.72E-09	5.54E-08	8.54E-09	7.76E-09	1.27E-07	1.31E-07	4.80E-08	6.53E-08	2.44E-08	1.31E-07	4.80E-08
3764	493363.1	3851877	4.37E-04	4.47E-04	4.22E-04	1.51E-07	4.57E-07	2.64E-07	2.71E-07	2.45E-07	1.12E-07	1.06E-07	0.00E+00	0.00E+00	4.86E-08	9.19E-09	5.83E-08	8.99E-09	8.18E-09	1.33E-07	1.38E-07	5.06E-08	6.88E-08	2.57E-08	1.38E-07	5.06E-08
3765	493863.1	3851877	4.58E-04	4.69E-04	4.42E-04	1.58E-07	4.78E-07	2.77E-07	2.84E-07	2.57E-07	1.17E-07	1.11E-07	0.00E+00	0.00E+00	5.09E-08	9.62E-09	6.11E-08	9.42E-09	8.57E-09	1.40E-07	1.44E-07	5.30E-08	7.21E-08	2.69E-08	1.44E-07	5.30E-08
3766	494363.1	3851877	4.38E-04	4.49E-04	4.23E-04	1.52E-07	4.58E-07	2.65E-07	2.72E-07	2.46E-07	1.12E-07	1.06E-07	0.00E+00	0.00E+00	4.88E-08	9.22E-09	5.85E-08	9.02E-09	8.21E-09	1.34E-07	1.38E-07	5.07E-08	6.91E-08	2.58E-08	1.38E-07	5.07E-08
3767	494863.1	3851877	4.44E-04	4.55E-04	4.29E-04	1.54E-07	4.64E-07	2.69E-07	2.75E-07	2.50E-07	1.14E-07	1.07E-07	0.00E+00	0.00E+00	4.95E-08	9.34E-09	5.93E-08	9.14E-09	8.32E-09	1.36E-07	1.40E-07	5.14E-08	7.00E-08	2.62E-08	1.40E-07	5.14E-08

3768	495363.1	3851877	4.44E-04	4.55E-04	4.29E-04	1.54E-07	4.64E-07	2.69E-07	2.75E-07	2.50E-07	1.14E-07	1.07E-07	0.00E+00	0.00E+00	4.95E-08	9.34E-09	5.93E-08	9.14E-09	8.32E-09	1.36E-07	1.40E-07	5.14E-08	7.00E-08	2.62E-08	1.40E-07	5.14E-08
3769	495863.1	3851877	4.38E-04	4.49E-04	4.23E-04	1.52E-07	4.58E-07	2.65E-07	2.72E-07	2.46E-07	1.12E-07	1.06E-07	0.00E+00	0.00E+00	4.88E-08	9.22E-09	5.85E-08	9.02E-09	8.21E-09	1.34E-07	1.38E-07	5.07E-08	6.91E-08	2.58E-08	1.38E-07	5.07E-08
3770	496363.1	3851877	4.28E-04	4.38E-04	4.13E-04	1.48E-07	4.47E-07	2.59E-07	2.65E-07	2.40E-07	1.10E-07	1.03E-07	0.00E+00	0.00E+00	4.76E-08	9.00E-09	5.71E-08	8.81E-09	8.01E-09	1.31E-07	1.35E-07	4.95E-08	6.74E-08	2.52E-08	1.35E-07	4.95E-08
3771	496863.1	3851877	4.16E-04	4.26E-04	4.02E-04	1.44E-07	4.35E-07	2.52E-07	2.58E-07	2.34E-07	1.07E-07	1.01E-07	0.00E+00	0.00E+00	4.63E-08	8.75E-09	5.56E-08	8.57E-09	7.79E-09	1.27E-07	1.31E-07	4.82E-08	6.56E-08	2.45E-08	1.31E-07	4.82E-08
3772	497363.1	3851877	4.04E-04	4.14E-04	3.91E-04	1.40E-07	4.23E-07	2.45E-07	2.51E-07	2.27E-07	1.04E-07	9.78E-08	0.00E+00	0.00E+00	4.50E-08	8.51E-09	5.40E-08	8.32E-09	7.57E-09	1.23E-07	1.28E-07	4.68E-08	6.37E-08	2.38E-08	1.28E-07	4.68E-08
3773	497863.1	3851877	3.85E-04	3.95E-04	3.72E-04	1.33E-07	4.03E-07	2.33E-07	2.39E-07	2.16E-07	9.87E-08	9.31E-08	0.00E+00	0.00E+00	4.29E-08	8.10E-09	5.14E-08	7.93E-09	7.21E-09	1.18E-07	1.22E-07	4.46E-08	6.07E-08	2.27E-08	1.22E-07	4.46E-08
3774	498363.1	3851877	3.69E-04	3.78E-04	3.56E-04	1.28E-07	3.86E-07	2.23E-07	2.29E-07	2.07E-07	9.46E-08	8.92E-08	0.00E+00	0.00E+00	4.11E-08	7.76E-09	4.92E-08	7.59E-09	6.91E-09	1.13E-07	1.16E-07	4.27E-08	5.81E-08	2.17E-08	1.16E-07	4.27E-08
3775	471363.1	3852377	2.45E-04	2.51E-04	2.37E-04	8.48E-08	2.56E-07	1.48E-07	1.52E-07	1.38E-07	6.28E-08	5.92E-08	0.00E+00	0.00E+00	2.73E-08	5.15E-09	3.27E-08	5.04E-09	4.59E-09	7.48E-08	7.73E-08	2.84E-08	3.86E-08	1.44E-08	7.73E-08	2.84E-08
3776	471863.1	3852377	2.66E-04	2.72E-04	2.57E-04	9.20E-08	2.78E-07	1.61E-07	1.65E-07	1.49E-07	6.81E-08	6.42E-08	0.00E+00	0.00E+00	2.96E-08	5.59E-09	3.55E-08	5.47E-09	4.97E-09	8.11E-08	8.38E-08	3.08E-08	4.19E-08	1.56E-08	8.38E-08	3.08E-08
3777	472363.1	3852377	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	0.00E+00	0.00E+00	3.14E-08	5.93E-09	3.76E-08	5.80E-09	5.28E-09	8.60E-08	8.90E-08	3.26E-08	4.44E-08	1.66E-08	8.90E-08	3.26E-08
3778	472863.1	3852377	2.97E-04	3.04E-04	2.87E-04	1.03E-07	3.10E-07	1.79E-07	1.84E-07	1.67E-07	7.60E-08	7.17E-08	0.00E+00	0.00E+00	3.30E-08	6.24E-09	3.96E-08	6.11E-09	5.55E-09	9.05E-08	9.36E-08	3.43E-08	4.67E-08	1.75E-08	9.36E-08	3.43E-08
3779	473363.1	3852377	3.08E-04	3.16E-04	2.98E-04	1.07E-07	3.22E-07	1.87E-07	1.91E-07	1.73E-07	7.91E-08	7.46E-08	0.00E+00	0.00E+00	3.43E-08	6.49E-09	4.12E-08	6.35E-09	5.78E-09	9.41E-08	9.74E-08	3.57E-08	4.86E-08	1.82E-08	9.74E-08	3.57E-08
3780	473863.1	3852377	3.14E-04	3.22E-04	3.04E-04	1.09E-07	3.29E-07	1.90E-07	1.95E-07	1.77E-07	8.06E-08	7.60E-08	0.00E+00	0.00E+00	3.50E-08	6.61E-09	4.20E-08	6.47E-09	5.89E-09	9.59E-08	9.92E-08	3.64E-08	4.95E-08	1.85E-08	9.92E-08	3.64E-08
3781	474363.1	3852377	3.22E-04	3.30E-04	3.11E-04	1.11E-07	3.36E-07	1.95E-07	1.99E-07	1.81E-07	8.25E-08	7.78E-08	0.00E+00	0.00E+00	3.58E-08	6.77E-09	4.29E-08	6.62E-09	6.02E-09	9.82E-08	1.02E-07	3.72E-08	5.07E-08	1.89E-08	1.02E-07	3.72E-08
3782	474863.1	3852377	3.81E-04	3.90E-04	3.68E-04	1.32E-07	3.98E-07	2.30E-07	2.36E-07	2.14E-07	9.76E-08	9.21E-08	0.00E+00	0.00E+00	4.24E-08	8.01E-09	5.08E-08	7.84E-09	7.13E-09	1.16E-07	1.20E-07	4.41E-08	6.00E-08	2.24E-08	1.20E-07	4.41E-08
3783	475363.1	3852377	3.96E-04	4.05E-04	3.82E-04	1.37E-07	4.13E-07	2.39E-07	2.45E-07	2.22E-07	1.01E-07	9.56E-08	0.00E+00	0.00E+00	4.40E-08	8.32E-09	5.28E-08	8.14E-09	7.41E-09	1.21E-07	1.25E-07	4.58E-08	6.23E-08	2.33E-08	1.25E-07	4.58E-08
3784	475863.1	3852377	4.12E-04	4.22E-04	3.98E-04	1.43E-07	4.30E-07	2.49E-07	2.55E-07	2.31E-07	1.06E-07	9.96E-08	0.00E+00	0.00E+00	4.58E-08	8.66E-09	5.50E-08	8.48E-09	7.71E-09	1.26E-07	1.30E-07	4.77E-08	6.49E-08	2.42E-08	1.30E-07	4.77E-08
3785	476363.1	3852377	4.25E-04	4.35E-04	4.11E-04	1.47E-07	4.44E-07	2.57E-07	2.63E-07	2.39E-07	1.09E-07	1.03E-07	0.00E+00	0.00E+00	4.73E-08	8.94E-09	5.67E-08	8.75E-09	7.96E-09	1.30E-07	1.34E-07	4.92E-08	6.70E-08	2.50E-08	1.34E-07	4.92E-08
3786	476863.1	3852377	4.63E-04	4.75E-04	4.48E-04	1.60E-07	4.84E-07	2.80E-07	2.87E-07	2.60E-07	1.19E-07	1.12E-07	0.00E+00	0.00E+00	5.16E-08	9.75E-09	6.19E-08	9.54E-09	8.68E-09	1.41E-07	1.46E-07	5.36E-08	7.30E-08	2.73E-08	1.46E-07	5.36E-08
3787	477363.1	3852377	4.86E-04	4.97E-04	4.69E-04	1.68E-07	5.08E-07	2.94E-07	3.01E-07	2.73E-07	1.24E-07	1.17E-07	0.00E+00	0.00E+00	5.41E-08	1.02E-08	6.48E-08	9.99E-09	9.09E-09	1.48E-07	1.53E-07	5.62E-08	7.65E-08	2.86E-08	1.53E-07	5.62E-08
3788	477863.1	3852377	4.58E-04	4.69E-04	4.42E-04	1.58E-07	4.78E-07	2.77E-07	2.84E-07	2.57E-07	1.17E-07	1.11E-07	0.00E+00	0.00E+00	5.09E-08	9.62E-09	6.11E-08	9.42E-09	8.57E-09	1.40E-07	1.44E-07	5.30E-08	7.21E-08	2.69E-08	1.44E-07	5.30E-08
3789	478363.1	3852377	4.52E-04	4.63E-04	4.36E-04	1.56E-07	4.72E-07	2.73E-07	2.80E-07	2.54E-07	1.16E-07	1.09E-07	0.00E+00	0.00E+00	5.03E-08	9.50E-09	6.03E-08	9.30E-09	8.46E-09	1.38E-07	1.43E-07	5.23E-08	7.11E-08	2.66E-08	1.43E-07	5.23E-08
3790	478863.1	3852377	5.53E-04	5.67E-04	5.35E-04	1.92E-07	5.78E-07	3.35E-07	3.43E-07	3.11E-07	1.42E-07	1.34E-07	0.00E+00	0.00E+00	6.16E-08	1.16E-08	7.39E-08	1.14E-08	1.04E-08	1.69E-07	1.75E-07	6.41E-08	8.72E-08	3.26E-08	1.75E-07	6.41E-08
3791	479363.1	3852377	6.42E-04	6.58E-04	6.20E-04	2.22E-07	6.71E-07	3.88E-07	3.98E-07	3.61E-07	1.65E-07	1.55E-07	0.00E+00	0.00E+00	7.15E-08	1.35E-08	8.57E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.43E-08	1.01E-07	3.78E-08	2.03E-07	7.43E-08
3792	479863.1	3852377	8.47E-04	8.68E-04	8.18E-04	2.93E-07	8.85E-07	5.13E-07	5.25E-07	4.76E-07	2.17E-07	2.05E-07	0.00E+00	0.00E+00	9.43E-08	1.78E-08	1.13E-07	1.74E-08	1.59E-08	2.58E-07	2.67E-07	9.81E-08	1.33E-07	4.99E-08	2.67E-07	9.81E-08
3793	480363.1	3852377	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.65E-07	6.81E-07	6.18E-07	2.82E-07	2.66E-07	0.00E+00	0.00E+00	1.22E-07	2.31E-08	1.47E-07	2.26E-08	2.06E-08	3.36E-07	3.47E-07	1.27E-07	1.73E-07	6.47E-08	3.47E-07	1.27E-07
3794	480863.1	3852377	1.43E-03	1.46E-03	1.38E-03	4.95E-07	1.49E-06	8.65E-07	8.86E-07	8.03E-07	3.67E-07	3.46E-07	0.00E+00	0.00E+00	1.59E-07	3.01E-08	1.91E-07	2.94E-08	2.68E-08	4.36E-07	4.51E-07	1.66E-07	2.25E-07	8.42E-08	4.51E-07	1.66E-07
3795	481363.1	3852377	2.33E-03	2.39E-03	2.25E-03	8.08E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.98E-07	5.64E-07	0.00E+00	0.00E+00	2.60E-07	4.91E-08	3.11E-07	4.80E-08	4.37E-08	7.12E-07	7.36E-07	2.70E-07	3.68E-07	1.37E-07	7.36E-07	2.70E-07
3796	481863.1	3852377	1.33E-02	1.36E-02	1.28E-02	4.60E-06	1.39E-05	8.05E-06	8.24E-06	7.47E-06	3.41E-06	3.21E-06	0.00E+00	0.00E+00	1.48E-06	2.80E-07	1.77E-06	2.74E-07	2.49E-07	4.06E-06	4.20E-06	1.54E-06	2.09E-06	7.83E-07	4.20E-06	1.54E-06
3797	482363.1	3852377	7.41E-03	7.59E-03	7.16E-03	2.57E-06	7.75E-06	4.49E-06	4.60E-06	4.17E-06	1.90E-06	1.79E-06	0.00E+00	0.00E+00	8.25E-07	1.56E-07	9.90E-07	1.53E-07	1.39E-07	2.26E-06	2.34E-06	8.58E-07	1.17E-06	4.36E-07	2.34E-06	8.58E-07
3798	482863.1	3852377	3.14E-03	3.22E-03	3.03E-03	1.09E-06	3.28E-06	1.90E-06	1.95E-06	1.76E-06	8.05E-07	7.59E-07	0.00E+00	0.00E+00	3.49E-07	6.60E-08	4.19E-07	6.46E-08	5.88E-08	9.58E-07	9.91E-07	3.63E-07	4.95E-07	1.85E-07	9.91E-07	3.63E-07
3799	483363.1	3852377	1.93E-03	1.97E-03	1.86E-03	6.67E-07	2.01E-06	1.17E-06	1.19E-06	1.08E-06	4.94E-07	4.66E-07	0.00E+00	0.00E+00	2.14E-07	4.05E-08	2.57E-07	3.96E-08	3.61E-08	5.88E-07	6.08E-07	2.23E-07	3.03E-07	1.13E-07	6.08E-07	2.23E-07
3800	483863.1	3852377	1.48E-03	1.52E-03	1.43E-03	5.13E-07	1.55E-06	8.97E-07	9.19E-07	8.33E-07	3.80E-07	3.59E-07	0.00E+00	0.00E+00	1.65E-07	3.12E-08	1.98E-07	3.05E-08	2.78E-08	4.53E-07	4.68E-07	1.72E-07	2.34E-07	8.73E-08	4.68E-07	1.72E-07
3801	484363.1	3852377	1.36E-03	1.39E-03	1.31E-03	4.70E-07	1.42E-06	8.21E-07	8.41E-07	7.62E-07	3.48E-07	3.28E-07	0.00E+00	0.00E+00	1.51E-07	2.85E-08	1.81E-07	2.79E-08	2.54E-08	4.14E-07	4.28E-07	1.57E-07	2.14E-07	7.98E-08	4.28E-07	1.57E-07
3802	484863.1	3852377	1.24E-03	1.27E-03	1.20E-03	4.29E-07	1.30E-06	7.50E-07	7.68E-07	6.96E-07	3.18E-07	3.00E-07	0.00E+00	0.00E+00	1.38E-07	2.61E-08	1.65E-07	2.55E-08	2.32E-08	3.78E-07	3.91E-07	1.44E-07	1.95E-07	7.30E-08	3.91E-07	1.44E-07
3803	485363.1	3852377	1.14E-03	1.17E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	7.07E-07	6.41E-07	2.92E-07	2.76E-07	0.00E+00	0.00E+00	1.27E-07	2.40E-08	1.52E-07	2.35E-08	2.14E-08	3.48E-07	3.60E-07	1.32E-07	1.80E-07	6.72E-08	3.60E-07	1.32E-07
3804	485863.1	3852377	1.01E-03	1.03E-03	9.75E-04	3.49E-07	1.06E-06	6.11E-07	6.26E-07	5.67E-07	2.59E-07	2.44E-07	0.00E+00	0.00E+00	1.12E-07	2.12E-08	1.35E-07	2.08E-08	1.89E-08	3.08E-07	3.19E-07	1.17E-07	1.59E-07	5.94E-08	3.19E-07	1.17E-07
3805	486363.1	3852377	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	0.00E+00	0.00E+00	9.82E-08	1.86E-08	1.18E-07	1.82E-08	1.65E-08	2.69E-07	2.79E-07	1.02E-07	1.39E-07	5.20E-08	2.79E-07	1.02E-07
3806	486863.1	3852377	8.13E-04	8.33E-04	7.86E-04	2.82E-07	8.50E-07	4.92E-07	5.04E-07	4.57E-07	2.08E-07	1.97E-07	0.00E+00	0.00E+00	9.05E-08	1.71E-08	1.09E-07	1.67E-08	1.52E-08	2.48E-07	2.57E-07	9.41E-08	1.28E-07	4.79E-08	2.57E-07	9.41E-08
3807	487363.1	3852377	7.42E-04	7.60E-04	7.17E-04	2.57E-07	7.76E-07	4.49E-07	4.60E-07	4.17E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.26E-08	1.56E-08	9.91E-08	1.53E-08	1.39E-08	2.27E-07	2.34E-07	8.59E-08	1.17E-07	4.37E-08	2.34E-07	8.59E-08
3808	487863.1	3852377	6.80E-04	6.97E-04	6.57E-04	2.36E-07	7.11E-07	4.12E-07	4.22E-07	3.82E-07	1.74E-07	1.65E-07	0.00E+00	0.00E+00	7.57E-08	1.43E-08	9.08E-08	1.40E-08	1.27E-08	2.08E-07	2.15E-07	7.88E-08	1.07E-07	4.01E-08	2.15E-07	7.88E-08
3809	488363.1	3852377	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	7.00E-08	1.32E-08	8.39E-08	1.29E-08	1.18E-08	1.92E-07	1.98E-07	7.28E-08	9.90E-08	3.70E-08	1.98E-07	7.28E-08
3810	488863.1	3852377	5.79E-04	5.93E-04	5.59E-04	2.00E-07	6.05E-07	3.50E-07	3.59E-07	3.25E-07	1.48E-07	1.40E-07	0.00E+00	0.00E+00	6.44E-08	1.22E-08	7.72E-08	1.19E-08	1.08E-08	1.77E-07	1.83E-07	6.70E-08	9.11E-08	3.41E-08	1.83E-07	6.70E-08
3811	489363.1	3852377	5.42E-04	5.55E-04	5.23E-04	1.87E-07	5.66E-07	3.28E-07	3.36E-07	3.04E-07	1.39E-07	1.31E-07	0.00E+00	0.00E+00	6.03E-08	1.14E-08	7.23E-08	1.11E-08	1.01E-08	1.65E-07	1.71E-07	6.27E-08	8.53E-08	3.19E-08	1.71E-07	6.27E-08
3812	489863.1	3852377	5.00E-04	5.12E-04	4.83E-04	1.73E-07	5.23E-07	3.03E-07	3.10E-07	2.81E-07	1.28E-07	1.21E-07	0.00E+00	0.00E+00	5.57E-08	1.05E-08	6.68E-08	1.03E-08	9.37E-09	1.53E-07	1.58E-07	5.79E-08	7.88E-08	2.95E-08	1.58E-07	5.79E-08
3813	490363.1	3852377	5.05E-04	5.17E-04	4.88E-04	1.75E-07	5.28E-07	3.05E-07	3.13E-07	2.84E-07	1.29E-07	1.22E-07	0.00E+00	0.00E+00	5.62E-08	1.06E-08	6.74E-08	1.04E-08	9.45E-09	1.54E-07	1.59E-07	5.84E-08	7.95E-08	2.97E-08	1.59E-07	5.84E-08
3814	490863.1	3852377	5.02E-04	5.14E-04	4.85E-04	1.74E-07	5.24E-07	3.04E-07	3.11E-07	2.82E-07	1.29E-07	1.21E-07	0.00E+00	0.00E+00	5.59E-08	1.06E-08	6.70E-08	1.03E-08	9.39E-09	1.53E-07	1.58E-07	5.81E-08	7.91E-08	2.95E-08	1.58E-07	5.81E-08
3815	491363.1	3852377	5.20E-04	5.32E-04	5.02E-04	1.80E-07	5.43E-07	3.14E-07	3.22E-07	2.92E-07	1.33E-07	1.26E-07	0.00E+00	0.00E+00	5.78E-08	1.09E-08	6.93E-08	1.07E-08	9.73E-09	1.59E-07	1.64E-07	6.01E-08	8.18E-08	3.06E-08	1.64E-07	6.01E-08
3816	491863.1	3852377	5.08E-04	5.20E-04	4.90E-04	1.76E-07	5.31E-07	3.07E-07	3.15E-07	2.85E-07	1.30E-07	1.23E-07	0.00E+00	0.00E+00	5.65E-08	1.07E-08	6.78E-08	1.05E-08	9.51E-09	1.55E-07	1.60E-07	5.88E-08	8.00E-08	2.99E-08	1.60E-07	5.88E-08
3817	492363.1	3852377	4.94E-04	5.06E-04	4.78E-04	1.71E-07	5.17E-07	2.99E-07	3.06E-07	2.78E-07	1.27E-07	1.20E-07	0.00E+00	0.00E+00	5.50E-08	1.04E-08	6.60E-08	1.02E-08	9.26E-09	1.51E-07	1.56E-07	5.72E-08	7.79E-08	2.91E-08	1.56E-07	5.72E-08
3818	492863.1	3852377	4.91E-04	5.03E-04	4.75E-04	1.70E-07	5.14E-07	2.97E-07	3.05E-07	2.76E-07	1.26E-07	1.19E-07	0.00E+00	0.00E+00	5.47E-08	1.03E-08	6.56E-08	1.01E-08	9.20E-09	1.50E-07	1.55E-07	5.69E-08	7.74E-08	2.89E-08	1.55E-07	5.69E-08
3819	493363.1	3852377	4.99E-04	5.11E-04	4.82E-04	1.73E-07	5.21E-07	3.02E-07	3.09E-07	2.80E-07	1.28E-07	1.21E-07	0.00E+00	0.00E+00	5.55E-08	1.05E-08	6.66E-08	1.03E-08	9.34E-09	1.52E-07	1.57E-07	5.77E-08	7.86E-08	2.94E-08	1.57E-07	5.77E-08
3820	493863.1	3852377	4.84E-04	4.96E-04	4.68E-04	1.68E-07	5.06E-07	2.93E-07	3.00E-07	2.72E-07	1.24E-07	1.17E-07	0.00E+00	0.00E+00	5.39E-08	1.02E-08	6.46E-08	9.96E-09	9.06E-09	1.48E-07	1.53E-07	5.60E-08	7.63E-08	2.85E-08	1.53E-07	5.60E-08
3821	494363.1	3852377	4.71E-04	4.82E-04	4.55E-04	1.63E-07	4.92E-07	2.85E-07	2.92E-07	2.64E-07	1.21E-07	1.14E-07	0.00E+00	0.00E+00	5.24E-08	9.90E-09	6.28E-08	9.69E-09	8.81E-09	1.44E-07	1.49E-07	5.45E-08	7.42E-08	2.77E-08	1.49E-07	5.45E-08
3822	494863.1	3852377	4.71E-04	4.82E-04	4.55E-04	1.63E-07	4.92E-07	2.85E-07	2.92E-07	2.64E-07	1.21E-07	1.14E-07	0.00E+00	0.00E+00	5.24E-08	9.90E-09	6.28E-08	9.69E-09	8.81E-09	1.44E-07	1.49E-07	5.45E-08	7.42E-08	2.77E-08	1.49E-07	5.45E-08
3823	495363.1	3852377	4.69E-04	4.81E-04	4.53E-04	1.62E-07	4.91E-07	2.84E-07	2.91E-07	2.64E-07	1.20E-07	1.13E-07	0.00E+00	0.00E+00	5.22E-08	9.87E-09	6.26E-08	9.66E-09	8.79E-09	1.43E-07	1.48E-07	5.43E-08	7.39E-08	2.76E-08	1.48E-07	5.43E-08
3824	495863.1	3852377	4.55E-04	4.66E-04	4.39E-04	1.57E-07	4.75E-07	2.75E-07	2.82E-07	2.55E-07	1.17E-07	1.10E-07	0.00E+00	0.00E+00	5.06E-08	9.56E-09	6.07E-08	9.36E-09	8.51E-09	1.39E-07	1.43E-07	5.26E-08	7.16E-08	2.68E-08	1.43E-07	5.26E-08
3825	496363.1	3852377	4.38E-04	4.49E-04	4.23E-04	1.52E-07	4.58E-07	2.65E-07	2.72E-07	2.46E-07	1.12E-07	1.06E-07	0.00E+00	0.00E+00	4.88E-08	9.22E-09	5.85E-08	9.02E-09	8.21E-09	1.34E-07	1.38E-07	5.07E-08	6.91E-08	2.58E-08	1.38E-07	5.07E-08
3826	496863.1	3852377	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	0.00E+00	0.00E+00	4.75E-08	8.97E-09	5.69E-08	8.78E-09	7.99E-09	1.30E-07	1.35E-07	4.94E-08	6.72E-08	2.51E-08	1.35E-07	4.94E-08
3827	497363.1	3852377	4.06E-04	4.16E-04	3.92E-04	1.40E-07	4.24E-07	2.46E-07	2.52E-07	2.28E-07	1.04E-07	9.81E-08	0.00E+00	0.00E+00	4.52E-08	8.54E-09	5.42E-08	8.35E-09	7.60E-09	1.24E-07	1.28E-07	4.70E-08	6.39E-08	2.39E-08	1.28E-07	4.70E-08
3828	497863.1	3852377	3.82E-04	3.92E-04	3.69E-04	1.32E-07	4.00E-07	2.31E-07	2.37E-07	2.15E-07	9.80E-08	9.24E-08	0.00E+00	0.00E+00	4.26E-08	8.04E-09	5.10E-08	7.87E-09	7.16E-09	1.17E-07	1.21E-07	4.42E-08	6.02E-08	2.25E-08	1.21E-07	4.42E-08
3829	498363.1	3852377	3.63E-04	3.72E-04	3.51E-04	1.26E-07	3.79E-07	2.20E-07	2.25E-07	2.04E-07	9.31E-08	8.78E-08	0.00E+00	0.00E+00	4.04E-08	7.64E-09	4.85E-08	7.47E-09	6.80E-09	1.11E-07	1.15E-07	4.20E-08	5.72E-08	2.14E-08	1.15E-07	4.20E-08
3830	471363.1	3852877	2.38E-04	2.43E-04	2.30E-04	8.23E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.09E-08	5.75E-08	0.00E+00	0.00E+00	2.65E-08	5.00E-09	3.17E-08	4.89E-09	4.45E-09	7.25E-08	7.50E-08	2.75E-08	3.74E-08	1.40E-08	7.50E-08	2.75E-08
3831	471863.1	3852877	2.52E-04	2.58E-04	2.44E-04	8.74E-08	2.64E-07	1.53E-07	1.56E-07	1.42E-07	6.47E-08	6.10E-08	0.00E+00	0.00E+00	2.81E-08	5.31E-09	3.37E-08	5.19E-09	4.73E-09	7.70E-08	7.97E-08	2.92E-08	3.98E-08	1.49E-08	7.97E-08	2.92E-08
3832	472363.1	3852877	2.66E-04	2.72E-04	2.57E-04	9.20E-08	2.78E-07	1.61E-07	1.65E-07	1.49E-07	6.81E-08	6.42E-08	0.00E+00	0.00E+00	2.96E-08	5.59E-09	3.55E-08	5.47E-09	4.97E-09	8.11E-08	8.38E-08	3.08E-08	4.19E-08	1.56E-08	8.38E-08	3.08E-08
3833	472863.1	3852877	2.77E-04	2.84E-04	2.68E-04	9.60E-08	2.90E-07	1.68E-07	1.72E-07	1.56E-07	7.11E-08	6.71E-08	0.00E+00	0.00E+00	3.09E-08	5.84E-09	3.70E-08	5.71E-09	5.19E-09	8.47E-08	8.76E-08	3.21E-08	4.37E-08	1.63E-08	8.76E-08	3.21E-08
3834	473363.1	3852877	2.92E-04	2.99E-04	2.82E-04	1.01E-07	3.05E-07	1.77E-07	1.81E-07	1.64E-07	7.49E-08	7.07E-08	0.00E+00	0.00E+00	3.25E-08	6.15E-09	3.90E-08	6.02E-09	5.47E-09	8.92E-08	9.22E-08	3.38E-08	4.60E-08	1.72E-08	9.22E-08	3.38E-08
3835	473863.1	3852877	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	0.00E+00	0.00E+00	3.45E-08	6.52E-09	4.14E-08	6.38E-09	5.80E-09	9.46E-08	9.78E-08	3.59E-08	4.88E-08	1.82E-08	9.78E-08	3.59E-08
3836	474363.1	3852877	3.29E-04	3.37E-04	3.18E-04	1.14E-07	3.44E-07	1.99E-07	2.04E-07	1.85E-07	8.44E-08	7.96E-08	0.00E+00	0.00E+00	3.66E-08	6.92E-09	4.39E-08	6.77E-09	6.16E-09	1.00E-07	1.04E-07	3.81E-08	5.18E-08	1.94E-08	1.04E-07	3.81E-08
3837	474863.1	3852877	3.23E-04	3.31E-04	3.12E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.82E-07	8.29E-08	7.82E-08	0.00E+00	0.00E+00	3.60E-08	6.80E-09	4.31E-08	6.65E-09	6.05E-09	9.86E-08	1.02E-07	3.74E-08	5.09E-08	1.90E-08	1.02E-07	3.74E-08
3838	475363.1	3852877	3.47E-04	3.55E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.15E-07	1.95E-07	8.89E-08	8.39E-08	0.00E+00	0.00E+00	3.86E-08	7.30E-09	4.63E-08	7.14E-09	6.49E-09	1.06E-07	1.09E-07	4.01E-08	5.46E-08	2.04E-08	1.09E-07	4.01E-08
3839	475863.1	3852877	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	0.00E+00	0.00E+00	3.99E-08	7.54E-09	4.79E-08	7.38E-09	6.71E-09	1.09E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
3840	476363.1	3852877	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	0.00E+00	0.00E+00	3.99E-08	7.54E-09	4.79E-08	7.38E-09	6.71E-09	1.09E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
3841	476863.1	3852877	3.50E-04	3.58E-04	3.38E-04	1.21E-07	3.66E-07	2.12E-07	2.17E-07	1.97E-07	8.97E-08	8.46E-08	0.00E+00	0.00E+00	3.89E-08	7.36E-09	4.67E-08	7.20E-09	6.55E-09	1.07E-07	1.10E-07	4.05E-08	5.51E-08	2.06E-08	1.10E-07	4.05E-08

3842	477363.1	3852877	3.48E-04	3.57E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.16E-07	1.96E-07	8.93E-08	8.42E-08	0.00E+00	0.00E+00	3.88E-08	7.33E-09	4.65E-08	7.17E-09	6.52E-09	1.06E-07	1.10E-07	4.03E-08	5.49E-08	2.05E-08	1.10E-07	4.03E-08
3843	477863.1	3852877	3.41E-04	3.49E-04	3.29E-04	1.18E-07	3.56E-07	2.06E-07	2.11E-07	1.92E-07	8.74E-08	8.24E-08	0.00E+00	0.00E+00	3.80E-08	7.17E-09	4.55E-08	7.02E-09	6.38E-09	1.04E-07	1.08E-07	3.95E-08	5.37E-08	2.01E-08	1.08E-07	3.95E-08
3844	478363.1	3852877	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	0.00E+00	0.00E+00	3.57E-08	6.74E-09	4.27E-08	6.59E-09	6.00E-09	9.77E-08	1.01E-07	3.71E-08	5.05E-08	1.89E-08	1.01E-07	3.71E-08
3845	478863.1	3852877	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	0.00E+00	0.00E+00	3.99E-08	7.54E-09	4.79E-08	7.38E-09	6.71E-09	1.09E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
3846	479363.1	3852877	4.35E-04	4.46E-04	4.21E-04	1.51E-07	4.55E-07	2.63E-07	2.70E-07	2.45E-07	1.12E-07	1.05E-07	0.00E+00	0.00E+00	4.85E-08	9.16E-09	5.81E-08	8.96E-09	8.15E-09	1.33E-07	1.37E-07	5.04E-08	6.86E-08	2.56E-08	1.37E-07	5.04E-08
3847	479863.1	3852877	5.98E-04	6.12E-04	5.77E-04	2.07E-07	6.25E-07	3.62E-07	3.70E-07	3.36E-07	1.53E-07	1.45E-07	0.00E+00	0.00E+00	6.65E-08	1.26E-08	7.98E-08	1.23E-08	1.12E-08	1.82E-07	1.89E-07	6.92E-08	9.42E-08	3.52E-08	1.89E-07	6.92E-08
3848	480363.1	3852877	8.26E-04	8.47E-04	7.98E-04	2.86E-07	8.64E-07	5.00E-07	5.12E-07	4.64E-07	2.12E-07	2.00E-07	0.00E+00	0.00E+00	9.20E-08	1.74E-08	1.10E-07	1.70E-08	1.55E-08	2.52E-07	2.61E-07	9.57E-08	1.30E-07	4.87E-08	2.61E-07	9.57E-08
3849	480863.1	3852877	1.03E-03	1.05E-03	9.92E-04	3.56E-07	1.07E-06	6.22E-07	6.37E-07	5.77E-07	2.63E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.16E-08	1.37E-07	2.11E-08	1.92E-08	3.13E-07	3.24E-07	1.19E-07	1.62E-07	6.05E-08	3.24E-07	1.19E-07
3850	481363.1	3852877	1.39E-03	1.43E-03	1.35E-03	4.82E-07	1.46E-06	8.43E-07	8.63E-07	7.83E-07	3.57E-07	3.37E-07	0.00E+00	0.00E+00	1.55E-07	2.93E-08	1.86E-07	2.87E-08	2.61E-08	4.25E-07	4.40E-07	1.61E-07	2.19E-07	8.20E-08	4.40E-07	1.61E-07
3851	481863.1	3852877	2.34E-03	2.39E-03	2.26E-03	8.09E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.99E-07	5.65E-07	0.00E+00	0.00E+00	2.60E-07	4.92E-08	3.12E-07	4.81E-08	4.38E-08	7.13E-07	7.38E-07	2.71E-07	3.68E-07	1.38E-07	7.38E-07	2.71E-07
3852	482363.1	3852877	1.60E-02	1.64E-02	1.55E-02	5.55E-06	1.67E-05	9.70E-06	9.93E-06	9.00E-06	4.11E-06	3.87E-06	0.00E+00	0.00E+00	1.78E-06	3.37E-07	2.14E-06	3.30E-07	3.00E-07	4.89E-06	5.06E-06	1.86E-06	2.52E-06	9.43E-07	5.06E-06	1.86E-06
3853	482863.1	3852877	6.88E-03	7.04E-03	6.64E-03	2.38E-06	7.19E-06	4.16E-06	4.26E-06	3.86E-06	1.76E-06	1.66E-06	0.00E+00	0.00E+00	7.66E-07	1.45E-07	9.18E-07	1.42E-07	1.29E-07	2.10E-06	2.17E-06	7.96E-07	1.08E-06	4.05E-07	2.17E-06	7.96E-07
3854	483363.1	3852877	2.88E-03	2.95E-03	2.78E-03	9.96E-07	3.01E-06	1.74E-06	1.78E-06	1.62E-06	7.37E-07	6.96E-07	0.00E+00	0.00E+00	3.20E-07	6.05E-08	3.84E-07	5.92E-08	5.39E-08	8.78E-07	9.08E-07	3.33E-07	4.53E-07	1.69E-07	9.08E-07	3.33E-07
3855	483863.1	3852877	1.66E-03	1.70E-03	1.61E-03	5.75E-07	1.74E-06	1.01E-06	1.03E-06	9.34E-07	4.26E-07	4.02E-07	0.00E+00	0.00E+00	1.85E-07	3.50E-08	2.22E-07	3.42E-08	3.11E-08	5.07E-07	5.25E-07	1.92E-07	2.62E-07	9.78E-08	5.25E-07	1.92E-07
3856	484363.1	3852877	1.49E-03	1.52E-03	1.44E-03	5.15E-07	1.55E-06	9.00E-07	9.22E-07	8.36E-07	3.81E-07	3.60E-07	0.00E+00	0.00E+00	1.66E-07	3.13E-08	1.99E-07	3.06E-08	2.79E-08	4.54E-07	4.70E-07	1.72E-07	2.34E-07	8.76E-08	4.70E-07	1.72E-07
3857	484863.1	3852877	1.34E-03	1.37E-03	1.29E-03	4.62E-07	1.40E-06	8.08E-07	8.28E-07	7.50E-07	3.42E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.78E-07	2.75E-08	2.50E-08	4.08E-07	4.22E-07	1.55E-07	2.10E-07	7.86E-08	4.22E-07	1.55E-07
3858	485363.1	3852877	1.05E-03	1.08E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.53E-07	5.92E-07	2.70E-07	2.55E-07	0.00E+00	0.00E+00	1.17E-07	2.22E-08	1.41E-07	2.17E-08	1.97E-08	3.22E-07	3.33E-07	1.22E-07	1.66E-07	6.20E-08	3.33E-07	1.22E-07
3859	485863.1	3852877	9.22E-04	9.45E-04	8.91E-04	3.19E-07	9.64E-07	5.58E-07	5.72E-07	5.18E-07	2.36E-07	2.23E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.73E-08	2.81E-07	2.91E-07	1.07E-07	1.45E-07	5.43E-08	2.91E-07	1.07E-07
3860	486363.1	3852877	8.19E-04	8.39E-04	7.91E-04	2.84E-07	8.56E-07	4.96E-07	5.08E-07	4.60E-07	2.10E-07	1.98E-07	0.00E+00	0.00E+00	9.12E-08	1.72E-08	1.09E-07	1.69E-08	1.53E-08	2.50E-07	2.59E-07	9.48E-08	1.29E-07	4.82E-08	2.59E-07	9.48E-08
3861	486863.1	3852877	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	0.00E+00	0.00E+00	8.44E-08	1.60E-08	1.01E-07	1.56E-08	1.42E-08	2.31E-07	2.39E-07	8.78E-08	1.20E-07	4.47E-08	2.39E-07	8.78E-08
3862	487363.1	3852877	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.71E-08	1.46E-08	9.24E-08	1.42E-08	1.30E-08	2.11E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
3863	487863.1	3852877	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	0.00E+00	0.00E+00	7.16E-08	1.35E-08	8.59E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.45E-08	1.01E-07	3.79E-08	2.03E-07	7.45E-08
3864	488363.1	3852877	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	0.00E+00	0.00E+00	6.00E-08	1.13E-08	7.19E-08	1.11E-08	1.01E-08	1.64E-07	1.70E-07	6.24E-08	8.49E-08	3.17E-08	1.70E-07	6.24E-08
3865	488863.1	3852877	5.36E-04	5.49E-04	5.18E-04	1.85E-07	5.60E-07	3.24E-07	3.32E-07	3.01E-07	1.37E-07	1.30E-07	0.00E+00	0.00E+00	5.96E-08	1.13E-08	7.15E-08	1.10E-08	1.00E-08	1.63E-07	1.69E-07	6.20E-08	8.44E-08	3.15E-08	1.69E-07	6.20E-08
3866	489363.1	3852877	5.21E-04	5.34E-04	5.03E-04	1.80E-07	5.45E-07	3.15E-07	3.23E-07	2.93E-07	1.34E-07	1.26E-07	0.00E+00	0.00E+00	5.80E-08	1.10E-08	6.95E-08	1.07E-08	9.75E-09	1.59E-07	1.64E-07	6.03E-08	8.21E-08	3.07E-08	1.64E-07	6.03E-08
3867	489863.1	3852877	5.06E-04	5.18E-04	4.89E-04	1.75E-07	5.29E-07	3.06E-07	3.14E-07	2.84E-07	1.30E-07	1.22E-07	0.00E+00	0.00E+00	5.64E-08	1.06E-08	6.76E-08	1.04E-08	9.48E-09	1.54E-07	1.60E-07	5.86E-08	7.97E-08	2.98E-08	1.60E-07	5.86E-08
3868	490363.1	3852877	5.45E-04	5.58E-04	5.26E-04	1.89E-07	5.69E-07	3.30E-07	3.38E-07	3.06E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.06E-08	1.15E-08	7.27E-08	1.12E-08	1.02E-08	1.66E-07	1.72E-07	6.30E-08	8.58E-08	3.21E-08	1.72E-07	6.30E-08
3869	490863.1	3852877	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.08E-08	1.15E-08	7.29E-08	1.12E-08	1.02E-08	1.67E-07	1.72E-07	6.32E-08	8.60E-08	3.21E-08	1.72E-07	6.32E-08
3870	491363.1	3852877	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.08E-08	1.15E-08	7.29E-08	1.12E-08	1.02E-08	1.67E-07	1.72E-07	6.32E-08	8.60E-08	3.21E-08	1.72E-07	6.32E-08
3871	491863.1	3852877	5.37E-04	5.50E-04	5.19E-04	1.86E-07	5.62E-07	3.25E-07	3.33E-07	3.02E-07	1.38E-07	1.30E-07	0.00E+00	0.00E+00	5.98E-08	1.13E-08	7.17E-08	1.11E-08	1.01E-08	1.64E-07	1.70E-07	6.22E-08	8.46E-08	3.16E-08	1.70E-07	6.22E-08
3872	492363.1	3852877	5.30E-04	5.43E-04	5.12E-04	1.83E-07	5.54E-07	3.21E-07	3.28E-07	2.98E-07	1.36E-07	1.28E-07	0.00E+00	0.00E+00	5.90E-08	1.11E-08	7.07E-08	1.09E-08	9.92E-09	1.62E-07	1.67E-07	6.13E-08	8.35E-08	3.12E-08	1.67E-07	6.13E-08
3873	492863.1	3852877	5.31E-04	5.44E-04	5.13E-04	1.84E-07	5.55E-07	3.21E-07	3.29E-07	2.98E-07	1.36E-07	1.28E-07	0.00E+00	0.00E+00	5.91E-08	1.12E-08	7.09E-08	1.09E-08	9.95E-09	1.62E-07	1.68E-07	6.15E-08	8.37E-08	3.13E-08	1.68E-07	6.15E-08
3874	493363.1	3852877	5.28E-04	5.41E-04	5.10E-04	1.83E-07	5.52E-07	3.20E-07	3.27E-07	2.97E-07	1.35E-07	1.28E-07	0.00E+00	0.00E+00	5.88E-08	1.11E-08	7.05E-08	1.09E-08	9.89E-09	1.61E-07	1.67E-07	6.12E-08	8.32E-08	3.11E-08	1.67E-07	6.12E-08
3875	493863.1	3852877	5.14E-04	5.26E-04	4.96E-04	1.78E-07	5.37E-07	3.11E-07	3.18E-07	2.89E-07	1.32E-07	1.24E-07	0.00E+00	0.00E+00	5.72E-08	1.08E-08	6.86E-08	1.06E-08	9.62E-09	1.57E-07	1.62E-07	5.95E-08	8.09E-08	3.02E-08	1.62E-07	5.95E-08
3876	494363.1	3852877	5.02E-04	5.14E-04	4.85E-04	1.74E-07	5.24E-07	3.04E-07	3.11E-07	2.82E-07	1.29E-07	1.21E-07	0.00E+00	0.00E+00	5.59E-08	1.06E-08	6.70E-08	1.03E-08	9.39E-09	1.53E-07	1.58E-07	5.81E-08	7.91E-08	2.95E-08	1.58E-07	5.81E-08
3877	494863.1	3852877	4.94E-04	5.06E-04	4.78E-04	1.71E-07	5.17E-07	2.99E-07	3.06E-07	2.78E-07	1.27E-07	1.20E-07	0.00E+00	0.00E+00	5.50E-08	1.04E-08	6.60E-08	1.02E-08	9.26E-09	1.51E-07	1.56E-07	5.72E-08	7.79E-08	2.91E-08	1.56E-07	5.72E-08
3878	495363.1	3852877	4.75E-04	4.87E-04	4.59E-04	1.65E-07	4.97E-07	2.88E-07	2.95E-07	2.67E-07	1.22E-07	1.15E-07	0.00E+00	0.00E+00	5.29E-08	1.00E-08	6.34E-08	9.78E-09	8.90E-09	1.45E-07	1.50E-07	5.50E-08	7.49E-08	2.80E-08	1.50E-07	5.50E-08
3879	495863.1	3852877	4.58E-04	4.69E-04	4.42E-04	1.58E-07	4.78E-07	2.77E-07	2.84E-07	2.57E-07	1.17E-07	1.11E-07	0.00E+00	0.00E+00	5.09E-08	9.62E-09	6.11E-08	9.42E-09	8.57E-09	1.40E-07	1.44E-07	5.30E-08	7.21E-08	2.69E-08	1.44E-07	5.30E-08
3880	496363.1	3852877	4.49E-04	4.60E-04	4.33E-04	1.55E-07	4.69E-07	2.71E-07	2.78E-07	2.52E-07	1.15E-07	1.08E-07	0.00E+00	0.00E+00	4.99E-08	9.44E-09	5.99E-08	9.24E-09	8.40E-09	1.37E-07	1.42E-07	5.19E-08	7.07E-08	2.64E-08	1.42E-07	5.19E-08
3881	496863.1	3852877	4.34E-04	4.44E-04	4.19E-04	1.50E-07	4.54E-07	2.63E-07	2.69E-07	2.44E-07	1.11E-07	1.05E-07	0.00E+00	0.00E+00	4.83E-08	9.13E-09	5.79E-08	8.93E-09	8.12E-09	1.32E-07	1.37E-07	5.02E-08	6.84E-08	2.55E-08	1.37E-07	5.02E-08
3882	497363.1	3852877	4.04E-04	4.14E-04	3.91E-04	1.40E-07	4.23E-07	2.45E-07	2.51E-07	2.27E-07	1.04E-07	9.78E-08	0.00E+00	0.00E+00	4.50E-08	8.51E-09	5.40E-08	8.32E-09	7.57E-09	1.23E-07	1.28E-07	4.68E-08	6.37E-08	2.38E-08	1.28E-07	4.68E-08
3883	497863.1	3852877	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	0.00E+00	0.00E+00	3.99E-08	7.54E-09	4.79E-08	7.38E-09	6.71E-09	1.09E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
3884	498363.1	3852877	3.48E-04	3.57E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.16E-07	1.96E-07	8.93E-08	8.42E-08	0.00E+00	0.00E+00	3.88E-08	7.33E-09	4.65E-08	7.17E-09	6.52E-09	1.06E-07	1.10E-07	4.03E-08	5.49E-08	2.05E-08	1.10E-07	4.03E-08
3885	471363.1	3853377	2.30E-04	2.36E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.43E-07	1.29E-07	5.90E-08	5.57E-08	0.00E+00	0.00E+00	2.56E-08	4.84E-09	3.07E-08	4.74E-09	4.31E-09	7.03E-08	7.27E-08	2.67E-08	3.63E-08	1.36E-08	7.27E-08	2.67E-08
3886	471863.1	3853377	2.41E-04	2.46E-04	2.32E-04	8.33E-08	2.51E-07	1.46E-07	1.49E-07	1.35E-07	6.17E-08	5.82E-08	0.00E+00	0.00E+00	2.68E-08	5.06E-09	3.21E-08	4.95E-09	4.50E-09	7.34E-08	7.59E-08	2.78E-08	3.79E-08	1.42E-08	7.59E-08	2.78E-08
3887	472363.1	3853377	2.51E-04	2.57E-04	2.42E-04	8.69E-08	2.62E-07	1.52E-07	1.55E-07	1.41E-07	6.43E-08	6.07E-08	0.00E+00	0.00E+00	2.79E-08	5.28E-09	3.35E-08	5.16E-09	4.70E-09	7.66E-08	7.92E-08	2.90E-08	3.95E-08	1.48E-08	7.92E-08	2.90E-08
3888	472863.1	3853377	2.63E-04	2.69E-04	2.54E-04	9.09E-08	2.75E-07	1.59E-07	1.63E-07	1.48E-07	6.73E-08	6.35E-08	0.00E+00	0.00E+00	2.92E-08	5.53E-09	3.51E-08	5.41E-09	4.92E-09	8.02E-08	8.29E-08	3.04E-08	4.14E-08	1.55E-08	8.29E-08	3.04E-08
3889	473363.1	3853377	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	0.00E+00	0.00E+00	3.02E-08	5.71E-09	3.62E-08	5.59E-09	5.08E-09	8.29E-08	8.57E-08	3.14E-08	4.28E-08	1.60E-08	8.57E-08	3.14E-08
3890	473863.1	3853377	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	0.00E+00	0.00E+00	3.14E-08	5.93E-09	3.76E-08	5.80E-09	5.28E-09	8.60E-08	8.90E-08	3.26E-08	4.44E-08	1.66E-08	8.90E-08	3.26E-08
3891	474363.1	3853377	2.92E-04	2.99E-04	2.82E-04	1.01E-07	3.05E-07	1.77E-07	1.81E-07	1.64E-07	7.49E-08	7.07E-08	0.00E+00	0.00E+00	3.25E-08	6.15E-09	3.90E-08	6.02E-09	5.47E-09	8.92E-08	9.22E-08	3.38E-08	4.60E-08	1.72E-08	9.22E-08	3.38E-08
3892	474863.1	3853377	2.92E-04	2.99E-04	2.82E-04	1.01E-07	3.05E-07	1.77E-07	1.81E-07	1.64E-07	7.49E-08	7.07E-08	0.00E+00	0.00E+00	3.25E-08	6.15E-09	3.90E-08	6.02E-09	5.47E-09	8.92E-08	9.22E-08	3.38E-08	4.60E-08	1.72E-08	9.22E-08	3.38E-08
3893	475363.1	3853377	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	0.00E+00	0.00E+00	3.34E-08	6.30E-09	4.00E-08	6.17E-09	5.61E-09	9.14E-08	9.46E-08	3.47E-08	4.72E-08	1.76E-08	9.46E-08	3.47E-08
3894	475863.1	3853377	3.08E-04	3.16E-04	2.98E-04	1.07E-07	3.22E-07	1.87E-07	1.91E-07	1.73E-07	7.91E-08	7.46E-08	0.00E+00	0.00E+00	3.43E-08	6.49E-09	4.12E-08	6.35E-09	5.78E-09	9.41E-08	9.74E-08	3.57E-08	4.86E-08	1.82E-08	9.74E-08	3.57E-08
3895	476363.1	3853377	3.06E-04	3.13E-04	2.95E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.72E-07	7.83E-08	7.39E-08	0.00E+00	0.00E+00	3.40E-08	6.43E-09	4.08E-08	6.29E-09	5.72E-09	9.32E-08	9.64E-08	3.54E-08	4.81E-08	1.80E-08	9.64E-08	3.54E-08
3896	476863.1	3853377	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	0.00E+00	0.00E+00	3.29E-08	6.21E-09	3.94E-08	6.08E-09	5.53E-09	9.01E-08	9.32E-08	3.42E-08	4.65E-08	1.74E-08	9.32E-08	3.42E-08
3897	477363.1	3853377	3.01E-04	3.08E-04	2.91E-04	1.04E-07	3.15E-07	1.82E-07	1.87E-07	1.69E-07	7.72E-08	7.28E-08	0.00E+00	0.00E+00	3.35E-08	6.33E-09	4.02E-08	6.20E-09	5.64E-09	9.19E-08	9.50E-08	3.49E-08	4.74E-08	1.77E-08	9.50E-08	3.49E-08
3898	477863.1	3853377	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	0.00E+00	0.00E+00	3.45E-08	6.52E-09	4.14E-08	6.38E-09	5.80E-09	9.46E-08	9.78E-08	3.59E-08	4.88E-08	1.82E-08	9.78E-08	3.59E-08
3899	478363.1	3853377	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	0.00E+00	0.00E+00	3.34E-08	6.30E-09	4.00E-08	6.17E-09	5.61E-09	9.14E-08	9.46E-08	3.47E-08	4.72E-08	1.76E-08	9.46E-08	3.47E-08
3900	478863.1	3853377	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	0.00E+00	0.00E+00	3.22E-08	6.08E-09	3.86E-08	5.95E-09	5.42E-09	8.83E-08	9.13E-08	3.35E-08	4.56E-08	1.70E-08	9.13E-08	3.35E-08
3901	479363.1	3853377	3.57E-04	3.66E-04	3.45E-04	1.24E-07	3.73E-07	2.16E-07	2.21E-07	2.01E-07	9.16E-08	8.64E-08	0.00E+00	0.00E+00	3.98E-08	7.51E-09	4.77E-08	7.35E-09	6.69E-09	1.09E-07	1.13E-07	4.13E-08	5.63E-08	2.10E-08	1.13E-07	4.13E-08
3902	479863.1	3853377	4.46E-04	4.57E-04	4.31E-04	1.54E-07	4.66E-07	2.70E-07	2.76E-07	2.50E-07	1.14E-07	1.08E-07	0.00E+00	0.00E+00	4.96E-08	9.38E-09	5.95E-08	9.17E-09	8.34E-09	1.36E-07	1.41E-07	5.16E-08	7.02E-08	2.62E-08	1.41E-07	5.16E-08
3903	480363.1	3853377	6.14E-04	6.29E-04	5.93E-04	2.13E-07	6.42E-07	3.71E-07	3.80E-07	3.45E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.83E-08	1.29E-08	8.20E-08	1.26E-08	1.15E-08	1.87E-07	1.94E-07	7.11E-08	9.67E-08	3.61E-08	1.94E-07	7.11E-08
3904	480863.1	3853377	6.51E-04	6.67E-04	6.29E-04	2.25E-07	6.80E-07	3.94E-07	4.03E-07	3.66E-07	1.67E-07	1.57E-07	0.00E+00	0.00E+00	7.25E-08	1.37E-08	8.69E-08	1.34E-08	1.22E-08	1.99E-07	2.05E-07	7.53E-08	1.03E-07	3.83E-08	2.05E-07	7.53E-08
3905	481363.1	3853377	9.48E-04	9.70E-04	9.15E-04	3.28E-07	9.90E-07	5.73E-07	5.87E-07	5.32E-07	2.43E-07	2.29E-07	0.00E+00	0.00E+00	1.05E-07	1.99E-08	1.26E-07	1.95E-08	1.77E-08	2.89E-07	2.99E-07	1.10E-07	1.49E-07	5.58E-08	2.99E-07	1.10E-07
3906	481863.1	3853377	1.49E-03	1.53E-03	1.44E-03	5.15E-07	1.56E-06	9.01E-07	9.23E-07	8.37E-07	3.82E-07	3.60E-07	0.00E+00	0.00E+00	1.66E-07	3.13E-08	1.99E-07	3.07E-08	2.79E-08	4.54E-07	4.70E-07	1.72E-07	2.35E-07	8.77E-08	4.70E-07	1.72E-07
3907	482363.1	3853377	2.93E-03	3.00E-03	2.83E-03	1.01E-06	3.06E-06	1.77E-06	1.81E-06	1.64E-06	7.51E-07	7.08E-07	0.00E+00	0.00E+00	3.26E-07	6.16E-08	3.91E-07	6.03E-08	5.48E-08	8.93E-07	9.24E-07	3.39E-07	4.61E-07	1.72E-07	9.24E-07	3.39E-07
3908	482863.1	3853377	1.91E-02	1.96E-02	1.85E-02	6.61E-06	2.00E-05	1.16E-05	1.18E-05	1.07E-05	4.90E-06	4.62E-06	0.00E+00	0.00E+00	2.13E-06	4.02E-07	2.55E-06	3.93E-07	3.58E-07	5.83E-06	6.03E-06	2.21E-06	3.01E-06	1.12E-06	6.03E-06	2.21E-06
3909	483363.1	3853377	3.73E-03	3.82E-03	3.61E-03	1.29E-06	3.90E-06	2.26E-06	2.31E-06	2.10E-06	9.57E-07	9.02E-07	0.00E+00	0.00E+00	4.15E-07	7.85E-08	4.98E-07	7.68E-08	6.99E-08	1.14E-06	1.18E-06	4.32E-07	5.88E-07	2.20E-07	1.18E-06	4.32E-07
3910	483863.1	3853377	2.19E-03	2.24E-03	2.12E-03	7.58E-07	2.29E-06	1.33E-06	1.36E-06	1.23E-06	5.61E-07	5.30E-07	0.00E+00	0.00E+00	2.44E-07	4.61E-08	2.92E-07	4.51E-08	4.10E-08	6.68E-07	6.91E-07	2.54E-07	3.45E-07	1.29E-07	6.91E-07	2.54E-07
3911	484363.1	3853377	1.68E-03	1.72E-03	1.62E-03	5.80E-07	1.75E-06	1.01E-06	1.04E-06	9.42E-07	4.30E-07	4.05E-07	0.00E+00	0.00E+00	1.87E-07	3.53E-08	2.24E-07	3.45E-08	3.14E-08	5.12E-07	5.29E-07	1.94E-07	2.64E-07	9.87E-08	5.29E-07	1.94E-07
3912	484863.1	3853377	1.23E-03	1.26E-03	1.18E-03	4.25E-07	1.28E-06	7.42E-07	7.60E-07	6.89E-07	3.14E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.58E-08	1.64E-07	2.52E-08	2.30E-08	3.74E-07	3.87E-07	1.42E-07	1.93E-07	7.22E-08	3.87E-07	1.42E-07
3913	485363.1	3853377	9.43E-04	9.66E-04	9.11E-04	3.26E-07	9.86E-07	5.71E-07	5.84E-07	5.30E-07	2.42E-07	2.28E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.77E-08	2.88E-07	2.98E-07	1.09E-07	1.49E-07	5.55E-08	2.98E-07	1.09E-07
3914	485863.1	3853377	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	0.00E+00	0.00E+00	8.82E-08	1.67E-08	1.06E-07	1.63E-08	1.48E-08	2.42E-07	2.50E-07	9.17E-08	1.25E-07	4.67E-08	2.50E-07	9.17E-08
3915	486363.1	3853377	7.56E-04	7.74E-04	7.30E-04	2.62E-07	7.90E-07	4.57E-07	4.68E-07	4.25E-07	1.94E-07	1.83E-07	0.00E+00	0.00E+00	8.41E-08	1.59E-08	1.01E-07	1.56E-08	1.41E-08	2.31E-07	2.38E-07	8.75E-08	1.19E-07	4.45E-08	2.38E-07	8.75E-08

3916	486863.1	3853377	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	0.00E+00	0.00E+00	7.95E-08	1.50E-08	9.53E-08	1.47E-08	1.34E-08	2.18E-07	2.25E-07	8.27E-08	1.13E-07	4.21E-08	2.25E-07	8.27E-08
3917	487363.1	3853377	6.95E-04	7.12E-04	6.72E-04	2.41E-07	7.27E-07	4.21E-07	4.31E-07	3.91E-07	1.78E-07	1.68E-07	0.00E+00	0.00E+00	7.74E-08	1.46E-08	9.28E-08	1.43E-08	1.30E-08	2.12E-07	2.19E-07	8.05E-08	1.10E-07	4.09E-08	2.19E-07	8.05E-08
3918	487863.1	3853377	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.49E-08	1.42E-08	8.98E-08	1.39E-08	1.26E-08	2.05E-07	2.12E-07	7.79E-08	1.06E-07	3.96E-08	2.12E-07	7.79E-08
3919	488363.1	3853377	6.60E-04	6.76E-04	6.37E-04	2.28E-07	6.90E-07	3.99E-07	4.09E-07	3.71E-07	1.69E-07	1.60E-07	0.00E+00	0.00E+00	7.34E-08	1.39E-08	8.81E-08	1.36E-08	1.24E-08	2.01E-07	2.08E-07	7.64E-08	1.04E-07	3.88E-08	2.08E-07	7.64E-08
3920	488863.1	3853377	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	0.00E+00	0.00E+00	7.06E-08	1.33E-08	8.47E-08	1.31E-08	1.19E-08	1.94E-07	2.00E-07	7.35E-08	1.00E-07	3.74E-08	2.00E-07	7.35E-08
3921	489363.1	3853377	6.12E-04	6.27E-04	5.92E-04	2.12E-07	6.40E-07	3.71E-07	3.80E-07	3.44E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.82E-08	1.29E-08	8.18E-08	1.26E-08	1.15E-08	1.87E-07	1.93E-07	7.09E-08	9.65E-08	3.61E-08	1.93E-07	7.09E-08
3922	489863.1	3853377	5.89E-04	6.03E-04	5.69E-04	2.04E-07	6.15E-07	3.56E-07	3.65E-07	3.31E-07	1.51E-07	1.42E-07	0.00E+00	0.00E+00	6.56E-08	1.24E-08	7.86E-08	1.21E-08	1.10E-08	1.80E-07	1.86E-07	6.82E-08	9.28E-08	3.47E-08	1.86E-07	6.82E-08
3923	490363.1	3853377	5.87E-04	6.02E-04	5.67E-04	2.03E-07	6.14E-07	3.55E-07	3.64E-07	3.30E-07	1.51E-07	1.42E-07	0.00E+00	0.00E+00	6.54E-08	1.24E-08	7.84E-08	1.21E-08	1.10E-08	1.79E-07	1.85E-07	6.80E-08	9.25E-08	3.46E-08	1.85E-07	6.80E-08
3924	490863.1	3853377	5.80E-04	5.94E-04	5.60E-04	2.01E-07	6.06E-07	3.51E-07	3.59E-07	3.26E-07	1.49E-07	1.40E-07	0.00E+00	0.00E+00	6.46E-08	1.22E-08	7.74E-08	1.19E-08	1.09E-08	1.77E-07	1.83E-07	6.71E-08	9.14E-08	3.41E-08	1.83E-07	6.71E-08
3925	491363.1	3853377	5.73E-04	5.87E-04	5.53E-04	1.98E-07	5.99E-07	3.46E-07	3.55E-07	3.22E-07	1.47E-07	1.38E-07	0.00E+00	0.00E+00	6.37E-08	1.20E-08	7.64E-08	1.18E-08	1.07E-08	1.75E-07	1.81E-07	6.63E-08	9.02E-08	3.37E-08	1.81E-07	6.63E-08
3926	491863.1	3853377	5.64E-04	5.77E-04	5.45E-04	1.95E-07	5.89E-07	3.41E-07	3.49E-07	3.17E-07	1.45E-07	1.36E-07	0.00E+00	0.00E+00	6.28E-08	1.19E-08	7.53E-08	1.16E-08	1.06E-08	1.72E-07	1.78E-07	6.53E-08	8.88E-08	3.32E-08	1.78E-07	6.53E-08
3927	492363.1	3853377	5.62E-04	5.76E-04	5.43E-04	1.95E-07	5.88E-07	3.40E-07	3.48E-07	3.16E-07	1.44E-07	1.36E-07	0.00E+00	0.00E+00	6.26E-08	1.18E-08	7.51E-08	1.16E-08	1.05E-08	1.72E-07	1.77E-07	6.51E-08	8.86E-08	3.31E-08	1.77E-07	6.51E-08
3928	492863.1	3853377	5.61E-04	5.74E-04	5.42E-04	1.94E-07	5.86E-07	3.39E-07	3.48E-07	3.15E-07	1.44E-07	1.36E-07	0.00E+00	0.00E+00	6.24E-08	1.18E-08	7.49E-08	1.15E-08	1.05E-08	1.71E-07	1.77E-07	6.49E-08	8.84E-08	3.30E-08	1.77E-07	6.49E-08
3929	493363.1	3853377	5.52E-04	5.65E-04	5.33E-04	1.91E-07	5.77E-07	3.34E-07	3.42E-07	3.10E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.14E-08	1.16E-08	7.37E-08	1.14E-08	1.03E-08	1.68E-07	1.74E-07	6.39E-08	8.70E-08	3.25E-08	1.74E-07	6.39E-08
3930	493863.1	3853377	5.42E-04	5.55E-04	5.23E-04	1.87E-07	5.66E-07	3.28E-07	3.36E-07	3.04E-07	1.39E-07	1.31E-07	0.00E+00	0.00E+00	6.03E-08	1.14E-08	7.23E-08	1.11E-08	1.01E-08	1.65E-07	1.71E-07	6.27E-08	8.53E-08	3.19E-08	1.71E-07	6.27E-08
3931	494363.1	3853377	5.24E-04	5.37E-04	5.06E-04	1.81E-07	5.48E-07	3.17E-07	3.25E-07	2.94E-07	1.34E-07	1.27E-07	0.00E+00	0.00E+00	5.83E-08	1.10E-08	6.99E-08	1.08E-08	9.81E-09	1.60E-07	1.65E-07	6.07E-08	8.25E-08	3.08E-08	1.65E-07	6.07E-08
3932	494863.1	3853377	5.05E-04	5.17E-04	4.88E-04	1.75E-07	5.28E-07	3.05E-07	3.13E-07	2.84E-07	1.29E-07	1.22E-07	0.00E+00	0.00E+00	5.62E-08	1.06E-08	6.74E-08	1.04E-08	9.45E-09	1.54E-07	1.59E-07	5.84E-08	7.95E-08	2.97E-08	1.59E-07	5.84E-08
3933	495363.1	3853377	4.93E-04	5.05E-04	4.76E-04	1.71E-07	5.15E-07	2.98E-07	3.05E-07	2.77E-07	1.26E-07	1.19E-07	0.00E+00	0.00E+00	5.49E-08	1.04E-08	6.58E-08	1.01E-08	9.23E-09	1.50E-07	1.56E-07	5.71E-08	7.77E-08	2.90E-08	1.56E-07	5.71E-08
3934	495863.1	3853377	4.77E-04	4.88E-04	4.61E-04	1.65E-07	4.98E-07	2.88E-07	2.95E-07	2.68E-07	1.22E-07	1.15E-07	0.00E+00	0.00E+00	5.31E-08	1.00E-08	6.36E-08	9.81E-09	8.93E-09	1.45E-07	1.50E-07	5.52E-08	7.51E-08	2.81E-08	1.50E-07	5.52E-08
3935	496363.1	3853377	4.56E-04	4.67E-04	4.41E-04	1.58E-07	4.77E-07	2.76E-07	2.83E-07	2.56E-07	1.17E-07	1.10E-07	0.00E+00	0.00E+00	5.08E-08	9.59E-09	6.09E-08	9.39E-09	8.54E-09	1.39E-07	1.44E-07	5.28E-08	7.18E-08	2.68E-08	1.44E-07	5.28E-08
3936	496863.1	3853377	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	0.00E+00	0.00E+00	4.75E-08	8.97E-09	5.69E-08	8.78E-09	7.99E-09	1.30E-07	1.35E-07	4.94E-08	6.72E-08	2.51E-08	1.35E-07	4.94E-08
3937	497363.1	3853377	3.93E-04	4.02E-04	3.79E-04	1.36E-07	4.10E-07	2.38E-07	2.43E-07	2.21E-07	1.01E-07	9.49E-08	0.00E+00	0.00E+00	4.37E-08	8.26E-09	5.24E-08	8.08E-09	7.35E-09	1.20E-07	1.24E-07	4.54E-08	6.18E-08	2.31E-08	1.24E-07	4.54E-08
3938	497863.1	3853377	3.34E-04	3.42E-04	3.22E-04	1.15E-07	3.49E-07	2.02E-07	2.07E-07	1.87E-07	8.55E-08	8.06E-08	0.00E+00	0.00E+00	3.71E-08	7.02E-09	4.45E-08	6.87E-09	6.24E-09	1.02E-07	1.05E-07	3.86E-08	5.25E-08	1.96E-08	1.05E-07	3.86E-08
3939	498363.1	3853377	3.04E-04	3.11E-04	2.94E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.71E-07	7.79E-08	7.35E-08	0.00E+00	0.00E+00	3.38E-08	6.40E-09	4.06E-08	6.26E-09	5.69E-09	9.28E-08	9.60E-08	3.52E-08	4.79E-08	1.79E-08	9.60E-08	3.52E-08
3940	471363.1	3853877	2.23E-04	2.28E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.39E-08	0.00E+00	0.00E+00	2.48E-08	4.69E-09	2.97E-08	4.59E-09	4.17E-09	6.80E-08	7.03E-08	2.58E-08	3.51E-08	1.31E-08	7.03E-08	2.58E-08
3941	471863.1	3853877	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	0.00E+00	0.00E+00	2.60E-08	4.91E-09	3.11E-08	4.80E-09	4.37E-09	7.12E-08	7.36E-08	2.70E-08	3.67E-08	1.37E-08	7.36E-08	2.70E-08
3942	472363.1	3853877	2.41E-04	2.46E-04	2.32E-04	8.33E-08	2.51E-07	1.46E-07	1.49E-07	1.35E-07	6.17E-08	5.82E-08	0.00E+00	0.00E+00	2.68E-08	5.06E-09	3.21E-08	4.95E-09	4.50E-09	7.34E-08	7.59E-08	2.78E-08	3.79E-08	1.42E-08	7.59E-08	2.78E-08
3943	472863.1	3853877	2.49E-04	2.55E-04	2.41E-04	8.63E-08	2.61E-07	1.51E-07	1.55E-07	1.40E-07	6.39E-08	6.03E-08	0.00E+00	0.00E+00	2.78E-08	5.25E-09	3.33E-08	5.13E-09	4.67E-09	7.61E-08	7.87E-08	2.89E-08	3.93E-08	1.47E-08	7.87E-08	2.89E-08
3944	473363.1	3853877	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	0.00E+00	0.00E+00	2.84E-08	5.37E-09	3.41E-08	5.26E-09	4.78E-09	7.79E-08	8.06E-08	2.96E-08	4.02E-08	1.50E-08	8.06E-08	2.96E-08
3945	473863.1	3853877	2.61E-04	2.68E-04	2.52E-04	9.04E-08	2.73E-07	1.58E-07	1.62E-07	1.47E-07	6.70E-08	6.32E-08	0.00E+00	0.00E+00	2.91E-08	5.50E-09	3.49E-08	5.38E-09	4.89E-09	7.97E-08	8.24E-08	3.02E-08	4.12E-08	1.54E-08	8.24E-08	3.02E-08
3946	474363.1	3853877	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	0.00E+00	0.00E+00	3.01E-08	5.68E-09	3.61E-08	5.56E-09	5.06E-09	8.24E-08	8.52E-08	3.13E-08	4.25E-08	1.59E-08	8.52E-08	3.13E-08
3947	474863.1	3853877	2.77E-04	2.84E-04	2.68E-04	9.60E-08	2.90E-07	1.68E-07	1.72E-07	1.56E-07	7.11E-08	6.71E-08	0.00E+00	0.00E+00	3.09E-08	5.84E-09	3.70E-08	5.71E-09	5.19E-09	8.47E-08	8.76E-08	3.21E-08	4.37E-08	1.63E-08	8.76E-08	3.21E-08
3948	475363.1	3853877	2.76E-04	2.83E-04	2.67E-04	9.55E-08	2.88E-07	1.67E-07	1.71E-07	1.55E-07	7.07E-08	6.67E-08	0.00E+00	0.00E+00	3.07E-08	5.81E-09	3.68E-08	5.68E-09	5.17E-09	8.42E-08	8.71E-08	3.19E-08	4.35E-08	1.62E-08	8.71E-08	3.19E-08
3949	475863.1	3853877	2.66E-04	2.72E-04	2.57E-04	9.20E-08	2.78E-07	1.61E-07	1.65E-07	1.49E-07	6.81E-08	6.42E-08	0.00E+00	0.00E+00	2.96E-08	5.59E-09	3.55E-08	5.47E-09	4.97E-09	8.11E-08	8.38E-08	3.08E-08	4.19E-08	1.56E-08	8.38E-08	3.08E-08
3950	476363.1	3853877	2.60E-04	2.66E-04	2.51E-04	8.99E-08	2.71E-07	1.57E-07	1.61E-07	1.46E-07	6.66E-08	6.28E-08	0.00E+00	0.00E+00	2.89E-08	5.46E-09	3.47E-08	5.35E-09	4.86E-09	7.93E-08	8.20E-08	3.01E-08	4.09E-08	1.53E-08	8.20E-08	3.01E-08
3951	476863.1	3853877	2.49E-04	2.55E-04	2.41E-04	8.63E-08	2.61E-07	1.51E-07	1.55E-07	1.40E-07	6.39E-08	6.03E-08	0.00E+00	0.00E+00	2.78E-08	5.25E-09	3.33E-08	5.13E-09	4.67E-09	7.61E-08	7.87E-08	2.89E-08	3.93E-08	1.47E-08	7.87E-08	2.89E-08
3952	477363.1	3853877	2.64E-04	2.71E-04	2.55E-04	9.15E-08	2.76E-07	1.60E-07	1.64E-07	1.48E-07	6.77E-08	6.39E-08	0.00E+00	0.00E+00	2.94E-08	5.56E-09	3.53E-08	5.44E-09	4.95E-09	8.06E-08	8.34E-08	3.06E-08	4.16E-08	1.56E-08	8.34E-08	3.06E-08
3953	477863.1	3853877	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	0.00E+00	0.00E+00	3.15E-08	5.96E-09	3.78E-08	5.83E-09	5.31E-09	8.65E-08	8.94E-08	3.28E-08	4.46E-08	1.67E-08	8.94E-08	3.28E-08
3954	478363.1	3853877	2.92E-04	2.99E-04	2.82E-04	1.01E-07	3.05E-07	1.77E-07	1.81E-07	1.64E-07	7.49E-08	7.07E-08	0.00E+00	0.00E+00	3.25E-08	6.15E-09	3.90E-08	6.02E-09	5.47E-09	8.92E-08	9.22E-08	3.38E-08	4.60E-08	1.72E-08	9.22E-08	3.38E-08
3955	478863.1	3853877	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	0.00E+00	0.00E+00	3.01E-08	5.68E-09	3.61E-08	5.56E-09	5.06E-09	8.24E-08	8.52E-08	3.13E-08	4.25E-08	1.59E-08	8.52E-08	3.13E-08
3956	479363.1	3853877	3.07E-04	3.14E-04	2.97E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.87E-08	7.42E-08	0.00E+00	0.00E+00	3.42E-08	6.46E-09	4.10E-08	6.32E-09	5.75E-09	9.37E-08	9.69E-08	3.55E-08	4.84E-08	1.81E-08	9.69E-08	3.55E-08
3957	479863.1	3853877	3.94E-04	4.04E-04	3.81E-04	1.36E-07	4.12E-07	2.38E-07	2.44E-07	2.21E-07	1.01E-07	9.53E-08	0.00E+00	0.00E+00	4.39E-08	8.29E-09	5.26E-08	8.11E-09	7.38E-09	1.20E-07	1.24E-07	4.56E-08	6.21E-08	2.32E-08	1.24E-07	4.56E-08
3958	480363.1	3853877	4.86E-04	4.97E-04	4.69E-04	1.68E-07	5.08E-07	2.94E-07	3.01E-07	2.73E-07	1.24E-07	1.17E-07	0.00E+00	0.00E+00	5.41E-08	1.02E-08	6.48E-08	9.99E-09	9.09E-09	1.48E-07	1.53E-07	5.62E-08	7.65E-08	2.86E-08	1.53E-07	5.62E-08
3959	480863.1	3853877	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	0.00E+00	0.00E+00	7.33E-08	1.38E-08	8.79E-08	1.35E-08	1.23E-08	2.01E-07	2.08E-07	7.62E-08	1.04E-07	3.87E-08	2.08E-07	7.62E-08
3960	481363.1	3853877	8.52E-04	8.72E-04	8.23E-04	2.95E-07	8.90E-07	5.15E-07	5.28E-07	4.78E-07	2.18E-07	2.06E-07	0.00E+00	0.00E+00	9.48E-08	1.79E-08	1.14E-07	1.75E-08	1.59E-08	2.60E-07	2.69E-07	9.86E-08	1.34E-07	5.01E-08	2.69E-07	9.86E-08
3961	481863.1	3853877	1.27E-03	1.30E-03	1.22E-03	4.39E-07	1.33E-06	7.67E-07	7.86E-07	7.12E-07	3.25E-07	3.07E-07	0.00E+00	0.00E+00	1.41E-07	2.67E-08	1.69E-07	2.61E-08	2.37E-08	3.87E-07	4.00E-07	1.47E-07	2.00E-07	7.46E-08	4.00E-07	1.47E-07
3962	482363.1	3853877	2.25E-03	2.31E-03	2.18E-03	7.80E-07	2.36E-06	1.36E-06	1.40E-06	1.27E-06	5.78E-07	5.45E-07	0.00E+00	0.00E+00	2.51E-07	4.74E-08	3.01E-07	4.64E-08	4.22E-08	6.88E-07	7.11E-07	2.61E-07	3.55E-07	1.33E-07	7.11E-07	2.61E-07
3963	482863.1	3853877	4.02E-02	4.12E-02	3.88E-02	1.39E-05	4.20E-05	2.43E-05	2.49E-05	2.26E-05	1.03E-05	9.72E-06	0.00E+00	0.00E+00	4.47E-06	8.45E-07	5.36E-06	8.27E-07	7.52E-07	1.23E-05	1.27E-05	4.65E-06	6.33E-06	2.37E-06	1.27E-05	4.65E-06
3964	483363.1	3853877	4.32E-03	4.43E-03	4.18E-03	1.50E-06	4.52E-06	2.62E-06	2.68E-06	2.43E-06	1.11E-06	1.05E-06	0.00E+00	0.00E+00	4.81E-07	9.10E-08	5.77E-07	8.90E-08	8.10E-08	1.32E-06	1.36E-06	5.01E-07	6.81E-07	2.55E-07	1.36E-06	5.01E-07
3965	483863.1	3853877	2.49E-03	2.55E-03	2.41E-03	8.63E-07	2.61E-06	1.51E-06	1.55E-06	1.40E-06	6.39E-07	6.03E-07	0.00E+00	0.00E+00	2.78E-07	5.25E-08	3.33E-07	5.13E-08	4.67E-08	7.61E-07	7.87E-07	2.89E-07	3.93E-07	1.47E-07	7.87E-07	2.89E-07
3966	484363.1	3853877	1.65E-03	1.69E-03	1.59E-03	5.71E-07	1.72E-06	9.97E-07	1.02E-06	9.26E-07	4.23E-07	3.99E-07	0.00E+00	0.00E+00	1.84E-07	3.47E-08	2.20E-07	3.39E-08	3.09E-08	5.03E-07	5.20E-07	1.91E-07	2.60E-07	9.70E-08	5.20E-07	1.91E-07
3967	484863.1	3853877	1.20E-03	1.23E-03	1.16E-03	4.15E-07	1.25E-06	7.25E-07	7.43E-07	6.73E-07	3.07E-07	2.90E-07	0.00E+00	0.00E+00	1.33E-07	2.52E-08	1.60E-07	2.47E-08	2.24E-08	3.66E-07	3.78E-07	1.39E-07	1.89E-07	7.05E-08	3.78E-07	1.39E-07
3968	485363.1	3853877	8.87E-04	9.08E-04	8.57E-04	3.07E-07	9.27E-07	5.37E-07	5.50E-07	4.98E-07	2.27E-07	2.14E-07	0.00E+00	0.00E+00	9.87E-08	1.87E-08	1.18E-07	1.83E-08	1.66E-08	2.71E-07	2.80E-07	1.03E-07	1.40E-07	5.22E-08	2.80E-07	1.03E-07
3969	485863.1	3853877	8.26E-04	8.47E-04	7.98E-04	2.86E-07	8.64E-07	5.00E-07	5.12E-07	4.64E-07	2.12E-07	2.00E-07	0.00E+00	0.00E+00	9.20E-08	1.74E-08	1.10E-07	1.70E-08	1.55E-08	2.52E-07	2.61E-07	9.57E-08	1.30E-07	4.87E-08	2.61E-07	9.57E-08
3970	486363.1	3853877	7.70E-04	7.89E-04	7.44E-04	2.67E-07	8.05E-07	4.66E-07	4.77E-07	4.33E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.58E-08	1.62E-08	1.03E-07	1.59E-08	1.44E-08	2.35E-07	2.43E-07	8.92E-08	1.21E-07	4.54E-08	2.43E-07	8.92E-08
3971	486863.1	3853877	7.28E-04	7.45E-04	7.03E-04	2.52E-07	7.60E-07	4.40E-07	4.51E-07	4.09E-07	1.87E-07	1.76E-07	0.00E+00	0.00E+00	8.10E-08	1.53E-08	9.71E-08	1.50E-08	1.36E-08	2.22E-07	2.30E-07	8.42E-08	1.15E-07	4.28E-08	2.30E-07	8.42E-08
3972	487363.1	3853877	7.16E-04	7.33E-04	6.92E-04	2.48E-07	7.48E-07	4.33E-07	4.44E-07	4.02E-07	1.83E-07	1.73E-07	0.00E+00	0.00E+00	7.97E-08	1.51E-08	9.55E-08	1.47E-08	1.34E-08	2.18E-07	2.26E-07	8.29E-08	1.13E-07	4.21E-08	2.26E-07	8.29E-08
3973	487863.1	3853877	7.22E-04	7.39E-04	6.97E-04	2.50E-07	7.54E-07	4.37E-07	4.47E-07	4.05E-07	1.85E-07	1.75E-07	0.00E+00	0.00E+00	8.03E-08	1.52E-08	9.63E-08	1.49E-08	1.35E-08	2.20E-07	2.28E-07	8.35E-08	1.14E-07	4.25E-08	2.28E-07	8.35E-08
3974	488363.1	3853877	7.07E-04	7.24E-04	6.83E-04	2.45E-07	7.39E-07	4.28E-07	4.38E-07	3.97E-07	1.81E-07	1.71E-07	0.00E+00	0.00E+00	7.87E-08	1.49E-08	9.44E-08	1.46E-08	1.32E-08	2.16E-07	2.23E-07	8.18E-08	1.11E-07	4.16E-08	2.23E-07	8.18E-08
3975	488863.1	3853877	7.03E-04	7.20E-04	6.79E-04	2.43E-07	7.34E-07	4.25E-07	4.35E-07	3.95E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.82E-08	1.48E-08	9.38E-08	1.45E-08	1.32E-08	2.14E-07	2.22E-07	8.13E-08	1.11E-07	4.14E-08	2.22E-07	8.13E-08
3976	489363.1	3853877	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	0.00E+00	0.00E+00	7.41E-08	1.40E-08	8.88E-08	1.37E-08	1.25E-08	2.03E-07	2.10E-07	7.71E-08	1.05E-07	3.92E-08	2.10E-07	7.71E-08
3977	489863.1	3853877	6.54E-04	6.70E-04	6.32E-04	2.26E-07	6.83E-07	3.96E-07	4.05E-07	3.67E-07	1.68E-07	1.58E-07	0.00E+00	0.00E+00	7.28E-08	1.38E-08	8.73E-08	1.35E-08	1.22E-08	2.00E-07	2.06E-07	7.57E-08	1.03E-07	3.85E-08	2.06E-07	7.57E-08
3978	490363.1	3853877	6.32E-04	6.47E-04	6.10E-04	2.19E-07	6.60E-07	3.82E-07	3.91E-07	3.55E-07	1.62E-07	1.53E-07	0.00E+00	0.00E+00	7.03E-08	1.33E-08	8.43E-08	1.30E-08	1.18E-08	1.93E-07	1.99E-07	7.31E-08	9.95E-08	3.72E-08	1.99E-07	7.31E-08
3979	490863.1	3853877	6.18E-04	6.33E-04	5.97E-04	2.14E-07	6.46E-07	3.74E-07	3.83E-07	3.47E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.88E-08	1.30E-08	8.25E-08	1.27E-08	1.16E-08	1.89E-07	1.95E-07	7.16E-08	9.74E-08	3.64E-08	1.95E-07	7.16E-08
3980	491363.1	3853877	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	0.00E+00	0.00E+00	6.79E-08	1.28E-08	8.14E-08	1.25E-08	1.14E-08	1.86E-07	1.92E-07	7.06E-08	9.60E-08	3.59E-08	1.92E-07	7.06E-08
3981	491863.1	3853877	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	0.00E+00	0.00E+00	6.69E-08	1.26E-08	8.02E-08	1.24E-08	1.12E-08	1.83E-07	1.90E-07	6.95E-08	9.46E-08	3.54E-08	1.90E-07	6.95E-08
3982	492363.1	3853877	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	0.00E+00	0.00E+00	6.69E-08	1.26E-08	8.02E-08	1.24E-08	1.12E-08	1.83E-07	1.90E-07	6.95E-08	9.46E-08	3.54E-08	1.90E-07	6.95E-08
3983	492863.1	3853877	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	0.00E+00	0.00E+00	6.62E-08	1.25E-08	7.94E-08	1.22E-08	1.11E-08	1.81E-07	1.88E-07	6.89E-08	9.37E-08	3.50E-08	1.88E-07	6.89E-08
3984	493363.1	3853877	5.79E-04	5.93E-04	5.59E-04	2.00E-07	6.05E-07	3.50E-07	3.59E-07	3.25E-07	1.48E-07	1.40E-07	0.00E+00	0.00E+00	6.44E-08	1.22E-08	7.72E-08	1.19E-08	1.08E-08	1.77E-07	1.83E-07	6.70E-08	9.11E-08	3.41E-08	1.83E-07	6.70E-08
3985	493863.1	3853877	5.61E-04	5.74E-04	5.42E-04	1.94E-07	5.86E-07	3.39E-07	3.48E-07	3.15E-07	1.44E-07	1.36E-07	0.00E+00	0.00E+00	6.24E-08	1.18E-08	7.49E-08	1.15E-08	1.05E-08	1.71E-07	1.77E-07	6.49E-08	8.84E-08	3.30E-08	1.77E-07	6.49E-08
3986	494363.1	3853877	5.48E-04	5.61E-04	5.29E-04	1.90E-07	5.72E-07	3.31E-07	3.39E-07	3.08E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.10E-08	1.15E-08	7.31E-08	1.13E-08	1.03E-08	1.67E-07	1.73E-07	6.34E-08	8.63E-08	3.22E-08	1.73E-07	6.34E-08
3987	494863.1	3853877	5.28E-04	5.41E-04	5.10E-04	1.83E-07	5.52E-07	3.20E-07	3.27E-07	2.97E-07	1.35E-07	1.28E-07	0.00E+00	0.00E+00	5.88E-08	1.11E-08	7.05E-08	1.09E-08	9.89E-09	1.61E-07	1.67E-07	6.12E-08	8.32E-08	3.11E-08	1.67E-07	6.12E-08
3988	495363.1	3853877	4.94E-04	5.06E-04	4.78E-04	1.71E-07	5.17E-07	2.99E-07	3.06E-07	2.78E-07	1.27E-07	1.20E-07	0.00E+00	0.00E+00	5.50E-08	1.04E-08	6.60E-08	1.02E-08	9.26E-09	1.51E-07	1.56E-07	5.72E-08	7.79E-08	2.91E-08	1.56E-07	5.72E-08
3989	495863.1	3853877	4.66E-04	4.78E-04	4.51E-04	1.61E-07	4.87E-07	2.82E-07	2.89E-07	2.62E-07	1.20E-07	1.13E-07	0.00E+00	0.00E+00	5.19E-08	9.81E-09	6.23E-08	9.60E-09	8.73E-09	1.42E-07	1.47E-07	5.40E-08	7.35E-08	2.75E-08	1.47E-07	5.40E-08

3990	496363.1	3853877	4.47E-04	4.58E-04	4.32E-04	1.55E-07	4.67E-07	2.71E-07	2.77E-07	2.51E-07	1.15E-07	1.08E-07	0.00E+00	0.00E+00	4.98E-08	9.41E-09	5.97E-08	9.20E-09	8.37E-09	1.36E-07	1.41E-07	5.18E-08	7.04E-08	2.63E-08	1.41E-07	5.18E-08
3991	496863.1	3853877	4.15E-04	4.25E-04	4.01E-04	1.44E-07	4.33E-07	2.51E-07	2.57E-07	2.33E-07	1.06E-07	1.00E-07	0.00E+00	0.00E+00	4.62E-08	8.72E-09	5.54E-08	8.54E-09	7.76E-09	1.27E-07	1.31E-07	4.80E-08	6.53E-08	2.44E-08	1.31E-07	4.80E-08
3992	497363.1	3853877	3.88E-04	3.98E-04	3.75E-04	1.34E-07	4.06E-07	2.35E-07	2.41E-07	2.18E-07	9.95E-08	9.39E-08	0.00E+00	0.00E+00	4.32E-08	8.16E-09	5.18E-08	7.99E-09	7.27E-09	1.18E-07	1.23E-07	4.49E-08	6.11E-08	2.29E-08	1.23E-07	4.49E-08
3993	497863.1	3853877	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	0.00E+00	0.00E+00	3.93E-08	7.42E-09	4.71E-08	7.26E-09	6.60E-09	1.08E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
3994	498363.1	3853877	3.29E-04	3.37E-04	3.18E-04	1.14E-07	3.44E-07	1.99E-07	2.04E-07	1.85E-07	8.44E-08	7.96E-08	0.00E+00	0.00E+00	3.66E-08	6.92E-09	4.39E-08	6.77E-09	6.16E-09	1.00E-07	1.04E-07	3.81E-08	5.18E-08	1.94E-08	1.04E-07	3.81E-08
3995	471363.1	3854377	2.15E-04	2.21E-04	2.08E-04	7.46E-08	2.25E-07	1.30E-07	1.34E-07	1.21E-07	5.52E-08	5.21E-08	0.00E+00	0.00E+00	2.40E-08	4.53E-09	2.88E-08	4.44E-09	4.03E-09	6.57E-08	6.80E-08	2.49E-08	3.39E-08	1.27E-08	6.80E-08	2.49E-08
3996	471863.1	3854377	2.26E-04	2.31E-04	2.18E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.46E-08	0.00E+00	0.00E+00	2.51E-08	4.75E-09	3.01E-08	4.65E-09	4.23E-09	6.89E-08	7.13E-08	2.61E-08	3.56E-08	1.33E-08	7.13E-08	2.61E-08
3997	472363.1	3854377	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	0.00E+00	0.00E+00	2.60E-08	4.91E-09	3.11E-08	4.80E-09	4.37E-09	7.12E-08	7.36E-08	2.70E-08	3.67E-08	1.37E-08	7.36E-08	2.70E-08
3998	472863.1	3854377	2.38E-04	2.43E-04	2.30E-04	8.23E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.09E-08	5.75E-08	0.00E+00	0.00E+00	2.65E-08	5.00E-09	3.17E-08	4.89E-09	4.45E-09	7.25E-08	7.50E-08	2.75E-08	3.74E-08	1.40E-08	7.50E-08	2.75E-08
3999	473363.1	3854377	2.46E-04	2.52E-04	2.38E-04	8.53E-08	2.58E-07	1.49E-07	1.53E-07	1.38E-07	6.32E-08	5.96E-08	0.00E+00	0.00E+00	2.74E-08	5.18E-09	3.29E-08	5.07E-09	4.61E-09	7.52E-08	7.78E-08	2.85E-08	3.88E-08	1.45E-08	7.78E-08	2.85E-08
4000	473863.1	3854377	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	0.00E+00	0.00E+00	2.84E-08	5.37E-09	3.41E-08	5.26E-09	4.78E-09	7.79E-08	8.06E-08	2.96E-08	4.02E-08	1.50E-08	8.06E-08	2.96E-08
4001	474363.1	3854377	2.63E-04	2.69E-04	2.54E-04	9.09E-08	2.75E-07	1.59E-07	1.63E-07	1.48E-07	6.73E-08	6.35E-08	0.00E+00	0.00E+00	2.92E-08	5.53E-09	3.51E-08	5.41E-09	4.92E-09	8.02E-08	8.29E-08	3.04E-08	4.14E-08	1.55E-08	8.29E-08	3.04E-08
4002	474863.1	3854377	2.58E-04	2.65E-04	2.50E-04	8.94E-08	2.70E-07	1.56E-07	1.60E-07	1.45E-07	6.62E-08	6.24E-08	0.00E+00	0.00E+00	2.88E-08	5.43E-09	3.45E-08	5.32E-09	4.84E-09	7.88E-08	8.15E-08	2.99E-08	4.07E-08	1.52E-08	8.15E-08	2.99E-08
4003	475363.1	3854377	2.46E-04	2.52E-04	2.38E-04	8.53E-08	2.58E-07	1.49E-07	1.53E-07	1.38E-07	6.32E-08	5.96E-08	0.00E+00	0.00E+00	2.74E-08	5.18E-09	3.29E-08	5.07E-09	4.61E-09	7.52E-08	7.78E-08	2.85E-08	3.88E-08	1.45E-08	7.78E-08	2.85E-08
4004	475863.1	3854377	2.23E-04	2.28E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.39E-08	0.00E+00	0.00E+00	2.48E-08	4.69E-09	2.97E-08	4.59E-09	4.17E-09	6.80E-08	7.03E-08	2.58E-08	3.51E-08	1.31E-08	7.03E-08	2.58E-08
4005	476363.1	3854377	2.24E-04	2.30E-04	2.17E-04	7.77E-08	2.34E-07	1.36E-07	1.39E-07	1.26E-07	5.75E-08	5.42E-08	0.00E+00	0.00E+00	2.50E-08	4.72E-09	2.99E-08	4.62E-09	4.20E-09	6.85E-08	7.08E-08	2.60E-08	3.53E-08	1.32E-08	7.08E-08	2.60E-08
4006	476863.1	3854377	2.30E-04	2.36E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.43E-07	1.29E-07	5.90E-08	5.57E-08	0.00E+00	0.00E+00	2.56E-08	4.84E-09	3.07E-08	4.74E-09	4.31E-09	7.03E-08	7.27E-08	2.67E-08	3.63E-08	1.36E-08	7.27E-08	2.67E-08
4007	477363.1	3854377	2.38E-04	2.43E-04	2.30E-04	8.23E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.09E-08	5.75E-08	0.00E+00	0.00E+00	2.65E-08	5.00E-09	3.17E-08	4.89E-09	4.45E-09	7.25E-08	7.50E-08	2.75E-08	3.74E-08	1.40E-08	7.50E-08	2.75E-08
4008	477863.1	3854377	2.48E-04	2.54E-04	2.40E-04	8.58E-08	2.59E-07	1.50E-07	1.54E-07	1.39E-07	6.36E-08	6.00E-08	0.00E+00	0.00E+00	2.76E-08	5.22E-09	3.31E-08	5.10E-09	4.64E-09	7.57E-08	7.83E-08	2.87E-08	3.91E-08	1.46E-08	7.83E-08	2.87E-08
4009	478363.1	3854377	2.67E-04	2.74E-04	2.58E-04	9.25E-08	2.79E-07	1.62E-07	1.66E-07	1.50E-07	6.85E-08	6.46E-08	0.00E+00	0.00E+00	2.97E-08	5.62E-09	3.57E-08	5.50E-09	5.00E-09	8.15E-08	8.43E-08	3.09E-08	4.21E-08	1.57E-08	8.43E-08	3.09E-08
4010	478863.1	3854377	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	0.00E+00	0.00E+00	3.12E-08	5.90E-09	3.74E-08	5.77E-09	5.25E-09	8.56E-08	8.85E-08	3.25E-08	4.42E-08	1.65E-08	8.85E-08	3.25E-08
4011	479363.1	3854377	3.23E-04	3.31E-04	3.12E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.82E-07	8.29E-08	7.82E-08	0.00E+00	0.00E+00	3.60E-08	6.80E-09	4.31E-08	6.65E-09	6.05E-09	9.86E-08	1.02E-07	3.74E-08	5.09E-08	1.90E-08	1.02E-07	3.74E-08
4012	479863.1	3854377	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	0.00E+00	0.00E+00	3.99E-08	7.54E-09	4.79E-08	7.38E-09	6.71E-09	1.09E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
4013	480363.1	3854377	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	0.00E+00	0.00E+00	4.75E-08	8.97E-09	5.69E-08	8.78E-09	7.99E-09	1.30E-07	1.35E-07	4.94E-08	6.72E-08	2.51E-08	1.35E-07	4.94E-08
4014	480863.1	3854377	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.13E-08	1.16E-08	7.35E-08	1.13E-08	1.03E-08	1.68E-07	1.74E-07	6.37E-08	8.67E-08	3.24E-08	1.74E-07	6.37E-08
4015	481363.1	3854377	7.35E-04	7.53E-04	7.10E-04	2.54E-07	7.68E-07	4.45E-07	4.55E-07	4.13E-07	1.88E-07	1.78E-07	0.00E+00	0.00E+00	8.18E-08	1.55E-08	9.81E-08	1.51E-08	1.38E-08	2.24E-07	2.32E-07	8.51E-08	1.16E-07	4.33E-08	2.32E-07	8.51E-08
4016	481863.1	3854377	1.15E-03	1.18E-03	1.12E-03	4.00E-07	1.21E-06	6.98E-07	7.15E-07	6.48E-07	2.96E-07	2.79E-07	0.00E+00	0.00E+00	1.28E-07	2.43E-08	1.54E-07	2.38E-08	2.16E-08	3.52E-07	3.64E-07	1.34E-07	1.82E-07	6.79E-08	3.64E-07	1.34E-07
4017	482363.1	3854377	1.96E-03	2.00E-03	1.89E-03	6.77E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.01E-07	4.73E-07	0.00E+00	0.00E+00	2.18E-07	4.11E-08	2.61E-07	4.03E-08	3.66E-08	5.97E-07	6.17E-07	2.26E-07	3.08E-07	1.15E-07	6.17E-07	2.26E-07
4018	482863.1	3854377	3.00E-02	3.08E-02	2.90E-02	1.04E-05	3.14E-05	1.82E-05	1.86E-05	1.69E-05	7.70E-06	7.26E-06	0.00E+00	0.00E+00	3.34E-06	6.32E-07	4.01E-06	6.18E-07	5.63E-07	9.17E-06	9.48E-06	3.48E-06	4.73E-06	1.77E-06	9.48E-06	3.48E-06
4019	483363.1	3854377	5.21E-03	5.33E-03	5.03E-03	1.80E-06	5.44E-06	3.15E-06	3.23E-06	2.93E-06	1.33E-06	1.26E-06	0.00E+00	0.00E+00	5.80E-07	1.10E-07	6.95E-07	1.07E-07	9.75E-08	1.59E-06	1.64E-06	6.03E-07	8.20E-07	3.07E-07	1.64E-06	6.03E-07
4020	483863.1	3854377	2.42E-03	2.47E-03	2.33E-03	8.36E-07	2.53E-06	1.46E-06	1.50E-06	1.36E-06	6.19E-07	5.84E-07	0.00E+00	0.00E+00	2.69E-07	5.08E-08	3.22E-07	4.97E-08	4.52E-08	7.37E-07	7.63E-07	2.80E-07	3.81E-07	1.42E-07	7.63E-07	2.80E-07
4021	484363.1	3854377	1.57E-03	1.61E-03	1.52E-03	5.45E-07	1.64E-06	9.52E-07	9.75E-07	8.84E-07	4.03E-07	3.80E-07	0.00E+00	0.00E+00	1.75E-07	3.31E-08	2.10E-07	3.24E-08	2.95E-08	4.80E-07	4.97E-07	1.82E-07	2.48E-07	9.26E-08	4.97E-07	1.82E-07
4022	484863.1	3854377	1.17E-03	1.19E-03	1.13E-03	4.04E-07	1.22E-06	7.05E-07	7.23E-07	6.55E-07	2.99E-07	2.82E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.56E-07	2.40E-08	2.18E-08	3.56E-07	3.68E-07	1.35E-07	1.84E-07	6.86E-08	3.68E-07	1.35E-07
4023	485363.1	3854377	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.70E-07	6.86E-07	6.22E-07	2.84E-07	2.68E-07	0.00E+00	0.00E+00	1.23E-07	2.33E-08	1.48E-07	2.28E-08	2.07E-08	3.38E-07	3.49E-07	1.28E-07	1.74E-07	6.52E-08	3.49E-07	1.28E-07
4024	485863.1	3854377	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.23E-07	1.89E-08	1.72E-08	2.81E-07	2.90E-07	1.06E-07	1.45E-07	5.41E-08	2.90E-07	1.06E-07
4025	486363.1	3854377	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	0.00E+00	0.00E+00	9.50E-08	1.79E-08	1.14E-07	1.76E-08	1.60E-08	2.60E-07	2.69E-07	9.87E-08	1.34E-07	5.02E-08	2.69E-07	9.87E-08
4026	486863.1	3854377	7.76E-04	7.95E-04	7.50E-04	2.69E-07	8.11E-07	4.70E-07	4.81E-07	4.36E-07	1.99E-07	1.88E-07	0.00E+00	0.00E+00	8.64E-08	1.63E-08	1.04E-07	1.60E-08	1.45E-08	2.37E-07	2.45E-07	8.99E-08	1.22E-07	4.57E-08	2.45E-07	8.99E-08
4027	487363.1	3854377	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	0.00E+00	0.00E+00	8.44E-08	1.60E-08	1.01E-07	1.56E-08	1.42E-08	2.31E-07	2.39E-07	8.78E-08	1.20E-07	4.47E-08	2.39E-07	8.78E-08
4028	487863.1	3854377	7.72E-04	7.91E-04	7.46E-04	2.67E-07	8.07E-07	4.67E-07	4.78E-07	4.34E-07	1.98E-07	1.87E-07	0.00E+00	0.00E+00	8.59E-08	1.62E-08	1.03E-07	1.59E-08	1.45E-08	2.36E-07	2.44E-07	8.94E-08	1.22E-07	4.54E-08	2.44E-07	8.94E-08
4029	488363.1	3854377	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.54E-08	1.61E-08	1.02E-07	1.58E-08	1.44E-08	2.34E-07	2.42E-07	8.88E-08	1.21E-07	4.52E-08	2.42E-07	8.88E-08
4030	488863.1	3854377	7.54E-04	7.72E-04	7.29E-04	2.61E-07	7.88E-07	4.56E-07	4.67E-07	4.24E-07	1.93E-07	1.82E-07	0.00E+00	0.00E+00	8.40E-08	1.59E-08	1.01E-07	1.55E-08	1.41E-08	2.30E-07	2.38E-07	8.73E-08	1.19E-07	4.44E-08	2.38E-07	8.73E-08
4031	489363.1	3854377	7.36E-04	7.54E-04	7.11E-04	2.55E-07	7.70E-07	4.46E-07	4.56E-07	4.14E-07	1.89E-07	1.78E-07	0.00E+00	0.00E+00	8.20E-08	1.55E-08	9.83E-08	1.52E-08	1.38E-08	2.25E-07	2.32E-07	8.53E-08	1.16E-07	4.34E-08	2.32E-07	8.53E-08
4032	489863.1	3854377	7.13E-04	7.30E-04	6.89E-04	2.47E-07	7.45E-07	4.31E-07	4.42E-07	4.00E-07	1.83E-07	1.72E-07	0.00E+00	0.00E+00	7.94E-08	1.50E-08	9.52E-08	1.47E-08	1.33E-08	2.18E-07	2.25E-07	8.25E-08	1.12E-07	4.20E-08	2.25E-07	8.25E-08
4033	490363.1	3854377	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.66E-08	1.45E-08	9.18E-08	1.42E-08	1.29E-08	2.10E-07	2.17E-07	7.96E-08	1.08E-07	4.05E-08	2.17E-07	7.96E-08
4034	490863.1	3854377	6.21E-04	6.36E-04	6.00E-04	2.15E-07	6.49E-07	3.76E-07	3.85E-07	3.49E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.92E-08	1.31E-08	8.29E-08	1.28E-08	1.16E-08	1.90E-07	1.96E-07	7.19E-08	9.79E-08	3.66E-08	1.96E-07	7.19E-08
4035	491363.1	3854377	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	0.00E+00	0.00E+00	7.08E-08	1.34E-08	8.49E-08	1.31E-08	1.19E-08	1.94E-07	2.01E-07	7.36E-08	1.00E-07	3.74E-08	2.01E-07	7.36E-08
4036	491863.1	3854377	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	0.00E+00	0.00E+00	7.16E-08	1.35E-08	8.59E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.45E-08	1.01E-07	3.79E-08	2.03E-07	7.45E-08
4037	492363.1	3854377	6.38E-04	6.53E-04	6.16E-04	2.21E-07	6.66E-07	3.86E-07	3.95E-07	3.58E-07	1.63E-07	1.54E-07	0.00E+00	0.00E+00	7.10E-08	1.34E-08	8.51E-08	1.31E-08	1.19E-08	1.95E-07	2.01E-07	7.38E-08	1.00E-07	3.75E-08	2.01E-07	7.38E-08
4038	492863.1	3854377	6.23E-04	6.38E-04	6.02E-04	2.16E-07	6.51E-07	3.77E-07	3.86E-07	3.50E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.93E-08	1.31E-08	8.31E-08	1.28E-08	1.17E-08	1.90E-07	1.97E-07	7.21E-08	9.81E-08	3.67E-08	1.97E-07	7.21E-08
4039	493363.1	3854377	6.04E-04	6.18E-04	5.83E-04	2.09E-07	6.31E-07	3.65E-07	3.74E-07	3.39E-07	1.55E-07	1.46E-07	0.00E+00	0.00E+00	6.72E-08	1.27E-08	8.06E-08	1.24E-08	1.13E-08	1.84E-07	1.91E-07	6.99E-08	9.51E-08	3.55E-08	1.91E-07	6.99E-08
4040	493863.1	3854377	5.84E-04	5.99E-04	5.65E-04	2.02E-07	6.11E-07	3.54E-07	3.62E-07	3.28E-07	1.50E-07	1.41E-07	0.00E+00	0.00E+00	6.51E-08	1.23E-08	7.80E-08	1.20E-08	1.09E-08	1.78E-07	1.84E-07	6.77E-08	9.21E-08	3.44E-08	1.84E-07	6.77E-08
4041	494363.1	3854377	5.65E-04	5.79E-04	5.46E-04	1.96E-07	5.91E-07	3.42E-07	3.50E-07	3.18E-07	1.45E-07	1.37E-07	0.00E+00	0.00E+00	6.29E-08	1.19E-08	7.55E-08	1.16E-08	1.06E-08	1.72E-07	1.78E-07	6.54E-08	8.90E-08	3.33E-08	1.78E-07	6.54E-08
4042	494863.1	3854377	5.17E-04	5.29E-04	4.99E-04	1.79E-07	5.40E-07	3.13E-07	3.20E-07	2.90E-07	1.32E-07	1.25E-07	0.00E+00	0.00E+00	5.75E-08	1.09E-08	6.89E-08	1.06E-08	9.67E-09	1.58E-07	1.63E-07	5.98E-08	8.14E-08	3.04E-08	1.63E-07	5.98E-08
4043	495363.1	3854377	4.63E-04	4.75E-04	4.48E-04	1.60E-07	4.84E-07	2.80E-07	2.87E-07	2.60E-07	1.19E-07	1.12E-07	0.00E+00	0.00E+00	5.16E-08	9.75E-09	6.19E-08	9.54E-09	8.68E-09	1.41E-07	1.46E-07	5.36E-08	7.30E-08	2.73E-08	1.46E-07	5.36E-08
4044	495863.1	3854377	4.29E-04	4.40E-04	4.15E-04	1.49E-07	4.49E-07	2.60E-07	2.66E-07	2.41E-07	1.10E-07	1.04E-07	0.00E+00	0.00E+00	4.78E-08	9.03E-09	5.73E-08	8.84E-09	8.04E-09	1.31E-07	1.36E-07	4.97E-08	6.77E-08	2.53E-08	1.36E-07	4.97E-08
4045	496363.1	3854377	4.12E-04	4.22E-04	3.98E-04	1.43E-07	4.30E-07	2.49E-07	2.55E-07	2.31E-07	1.06E-07	9.96E-08	0.00E+00	0.00E+00	4.58E-08	8.66E-09	5.50E-08	8.48E-09	7.71E-09	1.26E-07	1.30E-07	4.77E-08	6.49E-08	2.42E-08	1.30E-07	4.77E-08
4046	496863.1	3854377	3.91E-04	4.01E-04	3.78E-04	1.35E-07	4.09E-07	2.37E-07	2.42E-07	2.20E-07	1.00E-07	9.46E-08	0.00E+00	0.00E+00	4.35E-08	8.23E-09	5.22E-08	8.05E-09	7.32E-09	1.19E-07	1.23E-07	4.53E-08	6.16E-08	2.30E-08	1.23E-07	4.53E-08
4047	497363.1	3854377	3.57E-04	3.66E-04	3.45E-04	1.24E-07	3.73E-07	2.16E-07	2.21E-07	2.01E-07	9.16E-08	8.64E-08	0.00E+00	0.00E+00	3.98E-08	7.51E-09	4.77E-08	7.35E-09	6.69E-09	1.09E-07	1.13E-07	4.13E-08	5.63E-08	2.10E-08	1.13E-07	4.13E-08
4048	497863.1	3854377	3.60E-04	3.69E-04	3.48E-04	1.25E-07	3.76E-07	2.18E-07	2.23E-07	2.02E-07	9.23E-08	8.71E-08	0.00E+00	0.00E+00	4.01E-08	7.58E-09	4.81E-08	7.41E-09	6.74E-09	1.10E-07	1.14E-07	4.17E-08	5.67E-08	2.12E-08	1.14E-07	4.17E-08
4049	498363.1	3854377	3.41E-04	3.49E-04	3.29E-04	1.18E-07	3.56E-07	2.06E-07	2.11E-07	1.92E-07	8.74E-08	8.24E-08	0.00E+00	0.00E+00	3.80E-08	7.17E-09	4.55E-08	7.02E-09	6.38E-09	1.04E-07	1.08E-07	3.95E-08	5.37E-08	2.01E-08	1.08E-07	3.95E-08
4050	471363.1	3854877	2.13E-04	2.18E-04	2.05E-04	7.36E-08	2.22E-07	1.29E-07	1.32E-07	1.19E-07	5.45E-08	5.14E-08	0.00E+00	0.00E+00	2.37E-08	4.47E-09	2.84E-08	4.37E-09	3.98E-09	6.48E-08	6.71E-08	2.46E-08	3.35E-08	1.25E-08	6.71E-08	2.46E-08
4051	471863.1	3854877	2.20E-04	2.25E-04	2.12E-04	7.61E-08	2.30E-07	1.33E-07	1.36E-07	1.24E-07	5.64E-08	5.32E-08	0.00E+00	0.00E+00	2.45E-08	4.63E-09	2.94E-08	4.53E-09	4.12E-09	6.71E-08	6.94E-08	2.55E-08	3.46E-08	1.29E-08	6.94E-08	2.55E-08
4052	472363.1	3854877	2.26E-04	2.31E-04	2.18E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.46E-08	0.00E+00	0.00E+00	2.51E-08	4.75E-09	3.01E-08	4.65E-09	4.23E-09	6.89E-08	7.13E-08	2.61E-08	3.56E-08	1.33E-08	7.13E-08	2.61E-08
4053	472863.1	3854877	2.27E-04	2.33E-04	2.20E-04	7.87E-08	2.38E-07	1.38E-07	1.41E-07	1.28E-07	5.83E-08	5.50E-08	0.00E+00	0.00E+00	2.53E-08	4.78E-09	3.03E-08	4.68E-09	4.26E-09	6.94E-08	7.17E-08	2.63E-08	3.58E-08	1.34E-08	7.17E-08	2.63E-08
4054	473363.1	3854877	2.36E-04	2.42E-04	2.28E-04	8.17E-08	2.47E-07	1.43E-07	1.46E-07	1.33E-07	6.05E-08	5.71E-08	0.00E+00	0.00E+00	2.63E-08	4.97E-09	3.15E-08	4.86E-09	4.42E-09	7.21E-08	7.45E-08	2.73E-08	3.72E-08	1.39E-08	7.45E-08	2.73E-08
4055	473863.1	3854877	2.45E-04	2.51E-04	2.37E-04	8.48E-08	2.56E-07	1.48E-07	1.52E-07	1.38E-07	6.28E-08	5.92E-08	0.00E+00	0.00E+00	2.73E-08	5.15E-09	3.27E-08	5.04E-09	4.59E-09	7.48E-08	7.73E-08	2.84E-08	3.86E-08	1.44E-08	7.73E-08	2.84E-08
4056	474363.1	3854877	2.57E-04	2.63E-04	2.48E-04	8.89E-08	2.68E-07	1.55E-07	1.59E-07	1.44E-07	6.58E-08	6.21E-08	0.00E+00	0.00E+00	2.86E-08	5.40E-09	3.43E-08	5.29E-09	4.81E-09	7.84E-08	8.11E-08	2.97E-08	4.05E-08	1.51E-08	8.11E-08	2.97E-08
4057	474863.1	3854877	2.39E-04	2.45E-04	2.31E-04	8.28E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	6.13E-08	5.78E-08	0.00E+00	0.00E+00	2.66E-08	5.03E-09	3.19E-08	4.92E-09	4.48E-09	7.30E-08	7.55E-08	2.77E-08	3.77E-08	1.41E-08	7.55E-08	2.77E-08
4058	475363.1	3854877	2.21E-04	2.27E-04	2.14E-04	7.66E-08	2.31E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.35E-08	0.00E+00	0.00E+00	2.46E-08	4.66E-09	2.95E-08	4.56E-09	4.14E-09	6.76E-08	6.99E-08	2.56E-08	3.49E-08	1.30E-08	6.99E-08	2.56E-08
4059	475863.1	3854877	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.38E-09	2.78E-08	4.28E-09	3.90E-09	6.35E-08	6.57E-08	2.41E-08	3.28E-08	1.23E-08	6.57E-08	2.41E-08
4060	476363.1	3854877	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	0.00E+00	0.00E+00	2.14E-08	4.04E-09	2.56E-08	3.95E-09	3.59E-09	5.85E-08	6.06E-08	2.22E-08	3.02E-08	1.13E-08	6.06E-08	2.22E-08
4061	476863.1	3854877	1.95E-04	2.00E-04	1.88E-04	6.74E-08	2.04E-07	1.18E-07	1.21E-07	1.09E-07	4.99E-08	4.71E-08	0.00E+00	0.00E+00	2.17E-08	4.10E-09	2.60E-08	4.01E-09	3.65E-09	5.94E-08	6.15E-08	2.26E-08	3.07E-08	1.15E-08	6.15E-08	2.26E-08
4062	477363.1	3854877	2.13E-04	2.18E-04	2.05E-04	7.36E-08	2.22E-07	1.29E-07	1.32E-07	1.19E-07	5.45E-08	5.14E-08	0.00E+00	0.00E+00	2.37E-08	4.47E-09	2.84E-08	4.37E-09	3.98E-09	6.48E-08	6.71E-08	2.46E-08	3.35E-08	1.25E-08	6.71E-08	2.46E-08
4063	477863.1	3854877	2.30E-04	2.36E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.43E-07	1.29E-07	5.90E-08	5.57E-08	0.00E+00	0.00E+00	2.56E-08	4.84E-09	3.07E-08	4.74E-09	4.31E-09	7.03E-08	7.27E-08	2.67E-08	3.63E-08	1.36E-08	7.27E-08	2.67E-08

4064	478363.1	3854877	2.60E-04	2.66E-04	2.51E-04	8.99E-08	2.71E-07	1.57E-07	1.61E-07	1.46E-07	6.66E-08	6.28E-08	0.00E+00	0.00E+00	2.89E-08	5.46E-09	3.47E-08	5.35E-09	4.86E-09	7.93E-08	8.20E-08	3.01E-08	4.09E-08	1.53E-08	8.20E-08	3.01E-08
4065	478863.1	3854877	2.98E-04	3.05E-04	2.88E-04	1.03E-07	3.12E-07	1.80E-07	1.85E-07	1.67E-07	7.64E-08	7.21E-08	0.00E+00	0.00E+00	3.32E-08	6.27E-09	3.98E-08	6.14E-09	5.58E-09	9.10E-08	9.41E-08	3.45E-08	4.70E-08	1.76E-08	9.41E-08	3.45E-08
4066	479363.1	3854877	3.38E-04	3.46E-04	3.27E-04	1.17E-07	3.53E-07	2.04E-07	2.09E-07	1.90E-07	8.66E-08	8.17E-08	0.00E+00	0.00E+00	3.76E-08	7.11E-09	4.51E-08	6.96E-09	6.33E-09	1.03E-07	1.07E-07	3.91E-08	5.32E-08	1.99E-08	1.07E-07	3.91E-08
4067	479863.1	3854877	3.84E-04	3.93E-04	3.71E-04	1.33E-07	4.01E-07	2.32E-07	2.38E-07	2.16E-07	9.84E-08	9.28E-08	0.00E+00	0.00E+00	4.27E-08	8.07E-09	5.12E-08	7.90E-09	7.18E-09	1.17E-07	1.21E-07	4.44E-08	6.05E-08	2.26E-08	1.21E-07	4.44E-08
4068	480363.1	3854877	4.28E-04	4.38E-04	4.13E-04	1.48E-07	4.47E-07	2.59E-07	2.65E-07	2.40E-07	1.10E-07	1.03E-07	0.00E+00	0.00E+00	4.76E-08	9.00E-09	5.71E-08	8.81E-09	8.01E-09	1.31E-07	1.35E-07	4.95E-08	6.74E-08	2.52E-08	1.35E-07	4.95E-08
4069	480863.1	3854877	5.27E-04	5.40E-04	5.09E-04	1.82E-07	5.51E-07	3.19E-07	3.27E-07	2.96E-07	1.35E-07	1.27E-07	0.00E+00	0.00E+00	5.87E-08	1.11E-08	7.03E-08	1.08E-08	9.86E-09	1.61E-07	1.66E-07	6.10E-08	8.30E-08	3.10E-08	1.66E-07	6.10E-08
4070	481363.1	3854877	6.49E-04	6.65E-04	6.27E-04	2.25E-07	6.79E-07	3.93E-07	4.02E-07	3.65E-07	1.66E-07	1.57E-07	0.00E+00	0.00E+00	7.23E-08	1.37E-08	8.67E-08	1.34E-08	1.22E-08	1.98E-07	2.05E-07	7.52E-08	1.02E-07	3.82E-08	2.05E-07	7.52E-08
4071	481863.1	3854877	7.44E-04	7.62E-04	7.19E-04	2.57E-07	7.77E-07	4.50E-07	4.61E-07	4.18E-07	1.91E-07	1.80E-07	0.00E+00	0.00E+00	8.28E-08	1.56E-08	9.93E-08	1.53E-08	1.39E-08	2.27E-07	2.35E-07	8.61E-08	1.17E-07	4.38E-08	2.35E-07	8.61E-08
4072	482363.1	3854877	1.48E-03	1.51E-03	1.43E-03	5.11E-07	1.54E-06	8.93E-07	9.15E-07	8.29E-07	3.78E-07	3.57E-07	0.00E+00	0.00E+00	1.64E-07	3.10E-08	1.97E-07	3.04E-08	2.76E-08	4.50E-07	4.66E-07	1.71E-07	2.33E-07	8.69E-08	4.66E-07	1.71E-07
4073	482863.1	3854877	3.57E-03	3.66E-03	3.45E-03	1.24E-06	3.73E-06	2.16E-06	2.21E-06	2.01E-06	9.16E-07	8.64E-07	0.00E+00	0.00E+00	3.98E-07	7.51E-08	4.77E-07	7.35E-08	6.69E-08	1.09E-06	1.13E-06	4.13E-07	5.63E-07	2.10E-07	1.13E-06	4.13E-07
4074	483363.1	3854877	1.72E-02	1.76E-02	1.66E-02	5.96E-06	1.80E-05	1.04E-05	1.07E-05	9.67E-06	4.41E-06	4.16E-06	0.00E+00	0.00E+00	1.92E-06	3.62E-07	2.30E-06	3.54E-07	3.22E-07	5.25E-06	5.43E-06	1.99E-06	2.71E-06	1.01E-06	5.43E-06	1.99E-06
4075	483863.1	3854877	4.23E-03	4.34E-03	4.09E-03	1.47E-06	4.42E-06	2.56E-06	2.62E-06	2.38E-06	1.09E-06	1.02E-06	0.00E+00	0.00E+00	4.71E-07	8.90E-08	5.65E-07	8.71E-08	7.92E-08	1.29E-06	1.34E-06	4.90E-07	6.67E-07	2.49E-07	1.34E-06	4.90E-07
4076	484363.1	3854877	2.29E-03	2.34E-03	2.21E-03	7.92E-07	2.39E-06	1.38E-06	1.42E-06	1.29E-06	5.86E-07	5.53E-07	0.00E+00	0.00E+00	2.55E-07	4.81E-08	3.05E-07	4.71E-08	4.28E-08	6.98E-07	7.22E-07	2.65E-07	3.60E-07	1.35E-07	7.22E-07	2.65E-07
4077	484863.1	3854877	1.71E-03	1.75E-03	1.65E-03	5.91E-07	1.78E-06	1.03E-06	1.06E-06	9.59E-07	4.38E-07	4.13E-07	0.00E+00	0.00E+00	1.90E-07	3.59E-08	2.28E-07	3.51E-08	3.20E-08	5.21E-07	5.39E-07	1.98E-07	2.69E-07	1.01E-07	5.39E-07	1.98E-07
4078	485363.1	3854877	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.60E-07	7.79E-07	3.56E-07	3.35E-07	0.00E+00	0.00E+00	1.54E-07	2.92E-08	1.85E-07	2.86E-08	2.60E-08	4.23E-07	4.38E-07	1.61E-07	2.19E-07	8.17E-08	4.38E-07	1.61E-07
4079	485863.1	3854877	1.18E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.16E-07	7.34E-07	6.65E-07	3.03E-07	2.86E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.22E-08	3.61E-07	3.74E-07	1.37E-07	1.86E-07	6.97E-08	3.74E-07	1.37E-07
4080	486363.1	3854877	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.27E-07	6.42E-07	5.82E-07	2.66E-07	2.51E-07	0.00E+00	0.00E+00	1.15E-07	2.18E-08	1.38E-07	2.13E-08	1.94E-08	3.16E-07	3.27E-07	1.20E-07	1.63E-07	6.10E-08	3.27E-07	1.20E-07
4081	486863.1	3854877	9.34E-04	9.57E-04	9.03E-04	3.23E-07	9.76E-07	5.65E-07	5.79E-07	5.25E-07	2.39E-07	2.26E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.92E-08	1.75E-08	2.85E-07	2.95E-07	1.08E-07	1.47E-07	5.50E-08	2.95E-07	1.08E-07
4082	487363.1	3854877	8.80E-04	9.01E-04	8.50E-04	3.04E-07	9.19E-07	5.32E-07	5.45E-07	4.94E-07	2.25E-07	2.13E-07	0.00E+00	0.00E+00	9.79E-08	1.85E-08	1.17E-07	1.81E-08	1.65E-08	2.68E-07	2.78E-07	1.02E-07	1.39E-07	5.18E-08	2.78E-07	1.02E-07
4083	487863.1	3854877	8.43E-04	8.63E-04	8.14E-04	2.92E-07	8.81E-07	5.10E-07	5.22E-07	4.73E-07	2.16E-07	2.04E-07	0.00E+00	0.00E+00	9.38E-08	1.77E-08	1.12E-07	1.73E-08	1.58E-08	2.57E-07	2.66E-07	9.76E-08	1.33E-07	4.96E-08	2.66E-07	9.76E-08
4084	488363.1	3854877	8.28E-04	8.48E-04	8.00E-04	2.87E-07	8.65E-07	5.01E-07	5.13E-07	4.65E-07	2.12E-07	2.00E-07	0.00E+00	0.00E+00	9.22E-08	1.74E-08	1.11E-07	1.70E-08	1.55E-08	2.53E-07	2.61E-07	9.58E-08	1.30E-07	4.87E-08	2.61E-07	9.58E-08
4085	488863.1	3854877	8.26E-04	8.47E-04	7.98E-04	2.86E-07	8.64E-07	5.00E-07	5.12E-07	4.64E-07	2.12E-07	2.00E-07	0.00E+00	0.00E+00	9.20E-08	1.74E-08	1.10E-07	1.70E-08	1.55E-08	2.52E-07	2.61E-07	9.57E-08	1.30E-07	4.87E-08	2.61E-07	9.57E-08
4086	489363.1	3854877	8.09E-04	8.28E-04	7.81E-04	2.80E-07	8.45E-07	4.89E-07	5.01E-07	4.54E-07	2.07E-07	1.96E-07	0.00E+00	0.00E+00	9.00E-08	1.70E-08	1.08E-07	1.66E-08	1.51E-08	2.47E-07	2.55E-07	9.36E-08	1.27E-07	4.76E-08	2.55E-07	9.36E-08
4087	489863.1	3854877	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.54E-08	1.61E-08	1.02E-07	1.58E-08	1.44E-08	2.34E-07	2.42E-07	8.88E-08	1.21E-07	4.52E-08	2.42E-07	8.88E-08
4088	490363.1	3854877	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	0.00E+00	0.00E+00	7.39E-08	1.40E-08	8.86E-08	1.37E-08	1.24E-08	2.03E-07	2.10E-07	7.69E-08	1.05E-07	3.91E-08	2.10E-07	7.69E-08
4089	490863.1	3854877	5.70E-04	5.83E-04	5.50E-04	1.97E-07	5.95E-07	3.45E-07	3.53E-07	3.20E-07	1.46E-07	1.38E-07	0.00E+00	0.00E+00	6.34E-08	1.20E-08	7.60E-08	1.17E-08	1.07E-08	1.74E-07	1.80E-07	6.59E-08	8.97E-08	3.35E-08	1.80E-07	6.59E-08
4090	491363.1	3854877	5.83E-04	5.97E-04	5.63E-04	2.02E-07	6.09E-07	3.53E-07	3.61E-07	3.28E-07	1.49E-07	1.41E-07	0.00E+00	0.00E+00	6.49E-08	1.23E-08	7.78E-08	1.20E-08	1.09E-08	1.78E-07	1.84E-07	6.75E-08	9.18E-08	3.43E-08	1.84E-07	6.75E-08
4091	491863.1	3854877	6.82E-04	6.98E-04	6.59E-04	2.36E-07	7.13E-07	4.13E-07	4.23E-07	3.83E-07	1.75E-07	1.65E-07	0.00E+00	0.00E+00	7.59E-08	1.43E-08	9.10E-08	1.40E-08	1.28E-08	2.08E-07	2.15E-07	7.89E-08	1.07E-07	4.01E-08	2.15E-07	7.89E-08
4092	492363.1	3854877	6.77E-04	6.94E-04	6.54E-04	2.35E-07	7.08E-07	4.10E-07	4.20E-07	3.81E-07	1.74E-07	1.64E-07	0.00E+00	0.00E+00	7.54E-08	1.42E-08	9.04E-08	1.39E-08	1.27E-08	2.07E-07	2.14E-07	7.84E-08	1.07E-07	3.99E-08	2.14E-07	7.84E-08
4093	492863.1	3854877	6.55E-04	6.71E-04	6.33E-04	2.27E-07	6.85E-07	3.96E-07	4.06E-07	3.68E-07	1.68E-07	1.58E-07	0.00E+00	0.00E+00	7.29E-08	1.38E-08	8.75E-08	1.35E-08	1.23E-08	2.00E-07	2.07E-07	7.59E-08	1.03E-07	3.86E-08	2.07E-07	7.59E-08
4094	493363.1	3854877	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	6.98E-08	1.32E-08	8.37E-08	1.29E-08	1.17E-08	1.91E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
4095	493863.1	3854877	6.05E-04	6.20E-04	5.85E-04	2.09E-07	6.32E-07	3.66E-07	3.75E-07	3.40E-07	1.55E-07	1.46E-07	0.00E+00	0.00E+00	6.74E-08	1.27E-08	8.08E-08	1.25E-08	1.13E-08	1.85E-07	1.91E-07	7.00E-08	9.53E-08	3.56E-08	1.91E-07	7.00E-08
4096	494363.1	3854877	5.36E-04	5.49E-04	5.18E-04	1.85E-07	5.60E-07	3.24E-07	3.32E-07	3.01E-07	1.37E-07	1.30E-07	0.00E+00	0.00E+00	5.96E-08	1.13E-08	7.15E-08	1.10E-08	1.00E-08	1.63E-07	1.69E-07	6.20E-08	8.44E-08	3.15E-08	1.69E-07	6.20E-08
4097	494863.1	3854877	4.68E-04	4.79E-04	4.52E-04	1.62E-07	4.89E-07	2.83E-07	2.90E-07	2.63E-07	1.20E-07	1.13E-07	0.00E+00	0.00E+00	5.21E-08	9.84E-09	6.24E-08	9.63E-09	8.76E-09	1.43E-07	1.48E-07	5.42E-08	7.37E-08	2.75E-08	1.48E-07	5.42E-08
4098	495363.1	3854877	4.25E-04	4.35E-04	4.11E-04	1.47E-07	4.44E-07	2.57E-07	2.63E-07	2.39E-07	1.09E-07	1.03E-07	0.00E+00	0.00E+00	4.73E-08	8.94E-09	5.67E-08	8.75E-09	7.96E-09	1.30E-07	1.34E-07	4.92E-08	6.70E-08	2.50E-08	1.34E-07	4.92E-08
4099	495863.1	3854877	4.01E-04	4.11E-04	3.88E-04	1.39E-07	4.20E-07	2.43E-07	2.49E-07	2.26E-07	1.03E-07	9.71E-08	0.00E+00	0.00E+00	4.47E-08	8.44E-09	5.36E-08	8.26E-09	7.52E-09	1.22E-07	1.27E-07	4.65E-08	6.32E-08	2.36E-08	1.27E-07	4.65E-08
4100	496363.1	3854877	3.69E-04	3.78E-04	3.56E-04	1.28E-07	3.86E-07	2.23E-07	2.29E-07	2.07E-07	9.46E-08	8.92E-08	0.00E+00	0.00E+00	4.11E-08	7.76E-09	4.92E-08	7.59E-09	6.91E-09	1.13E-07	1.16E-07	4.27E-08	5.81E-08	2.17E-08	1.16E-07	4.27E-08
4101	496863.1	3854877	3.48E-04	3.57E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.16E-07	1.96E-07	8.93E-08	8.42E-08	0.00E+00	0.00E+00	3.88E-08	7.33E-09	4.65E-08	7.17E-09	6.52E-09	1.06E-07	1.10E-07	4.03E-08	5.49E-08	2.05E-08	1.10E-07	4.03E-08
4102	497363.1	3854877	3.42E-04	3.51E-04	3.31E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.78E-08	8.28E-08	0.00E+00	0.00E+00	3.81E-08	7.20E-09	4.57E-08	7.05E-09	6.41E-09	1.04E-07	1.08E-07	3.96E-08	5.39E-08	2.02E-08	1.08E-07	3.96E-08
4103	497863.1	3854877	3.54E-04	3.63E-04	3.42E-04	1.23E-07	3.70E-07	2.14E-07	2.20E-07	1.99E-07	9.08E-08	8.56E-08	0.00E+00	0.00E+00	3.94E-08	7.45E-09	4.73E-08	7.29E-09	6.63E-09	1.08E-07	1.12E-07	4.10E-08	5.58E-08	2.09E-08	1.12E-07	4.10E-08
4104	498363.1	3854877	3.50E-04	3.58E-04	3.38E-04	1.21E-07	3.66E-07	2.12E-07	2.17E-07	1.97E-07	8.97E-08	8.46E-08	0.00E+00	0.00E+00	3.89E-08	7.36E-09	4.67E-08	7.20E-09	6.55E-09	1.07E-07	1.10E-07	4.05E-08	5.51E-08	2.06E-08	1.10E-07	4.05E-08
4105	471363.1	3855377	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.38E-09	2.78E-08	4.28E-09	3.90E-09	6.35E-08	6.57E-08	2.41E-08	3.28E-08	1.23E-08	6.57E-08	2.41E-08
4106	471863.1	3855377	2.13E-04	2.18E-04	2.05E-04	7.36E-08	2.22E-07	1.29E-07	1.32E-07	1.19E-07	5.45E-08	5.14E-08	0.00E+00	0.00E+00	2.37E-08	4.47E-09	2.84E-08	4.37E-09	3.98E-09	6.48E-08	6.71E-08	2.46E-08	3.35E-08	1.25E-08	6.71E-08	2.46E-08
4107	472363.1	3855377	2.20E-04	2.25E-04	2.12E-04	7.61E-08	2.30E-07	1.33E-07	1.36E-07	1.24E-07	5.64E-08	5.32E-08	0.00E+00	0.00E+00	2.45E-08	4.63E-09	2.94E-08	4.53E-09	4.12E-09	6.71E-08	6.94E-08	2.55E-08	3.46E-08	1.29E-08	6.94E-08	2.55E-08
4108	472863.1	3855377	2.23E-04	2.28E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.39E-08	0.00E+00	0.00E+00	2.48E-08	4.69E-09	2.97E-08	4.59E-09	4.17E-09	6.80E-08	7.03E-08	2.58E-08	3.51E-08	1.31E-08	7.03E-08	2.58E-08
4109	473363.1	3855377	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	0.00E+00	0.00E+00	2.60E-08	4.91E-09	3.11E-08	4.80E-09	4.37E-09	7.12E-08	7.36E-08	2.70E-08	3.67E-08	1.37E-08	7.36E-08	2.70E-08
4110	473863.1	3855377	2.42E-04	2.48E-04	2.34E-04	8.38E-08	2.53E-07	1.46E-07	1.50E-07	1.36E-07	6.20E-08	5.85E-08	0.00E+00	0.00E+00	2.69E-08	5.09E-09	3.23E-08	4.98E-09	4.53E-09	7.39E-08	7.64E-08	2.80E-08	3.81E-08	1.42E-08	7.64E-08	2.80E-08
4111	474363.1	3855377	2.49E-04	2.55E-04	2.41E-04	8.63E-08	2.61E-07	1.51E-07	1.55E-07	1.40E-07	6.39E-08	6.03E-08	0.00E+00	0.00E+00	2.78E-08	5.25E-09	3.33E-08	5.13E-09	4.67E-09	7.61E-08	7.87E-08	2.89E-08	3.93E-08	1.47E-08	7.87E-08	2.89E-08
4112	474863.1	3855377	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	0.00E+00	0.00E+00	2.60E-08	4.91E-09	3.11E-08	4.80E-09	4.37E-09	7.12E-08	7.36E-08	2.70E-08	3.67E-08	1.37E-08	7.36E-08	2.70E-08
4113	475363.1	3855377	1.89E-04	1.93E-04	1.83E-04	6.54E-08	1.97E-07	1.14E-07	1.17E-07	1.06E-07	4.84E-08	4.57E-08	0.00E+00	0.00E+00	2.10E-08	3.97E-09	2.52E-08	3.89E-09	3.54E-09	5.76E-08	5.96E-08	2.19E-08	2.98E-08	1.11E-08	5.96E-08	2.19E-08
4114	475863.1	3855377	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
4115	476363.1	3855377	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	0.00E+00	0.00E+00	2.15E-08	4.07E-09	2.58E-08	3.98E-09	3.62E-09	5.90E-08	6.10E-08	2.24E-08	3.05E-08	1.14E-08	6.10E-08	2.24E-08
4116	476863.1	3855377	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	0.00E+00	0.00E+00	2.20E-08	4.16E-09	2.64E-08	4.07E-09	3.70E-09	6.03E-08	6.24E-08	2.29E-08	3.12E-08	1.16E-08	6.24E-08	2.29E-08
4117	477363.1	3855377	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.38E-09	2.78E-08	4.28E-09	3.90E-09	6.35E-08	6.57E-08	2.41E-08	3.28E-08	1.23E-08	6.57E-08	2.41E-08
4118	477863.1	3855377	2.30E-04	2.36E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.43E-07	1.29E-07	5.90E-08	5.57E-08	0.00E+00	0.00E+00	2.56E-08	4.84E-09	3.07E-08	4.74E-09	4.31E-09	7.03E-08	7.27E-08	2.67E-08	3.63E-08	1.36E-08	7.27E-08	2.67E-08
4119	478363.1	3855377	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	0.00E+00	0.00E+00	2.84E-08	5.37E-09	3.41E-08	5.26E-09	4.78E-09	7.79E-08	8.06E-08	2.96E-08	4.02E-08	1.50E-08	8.06E-08	2.96E-08
4120	478863.1	3855377	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	0.00E+00	0.00E+00	3.15E-08	5.96E-09	3.78E-08	5.83E-09	5.31E-09	8.65E-08	8.94E-08	3.28E-08	4.46E-08	1.67E-08	8.94E-08	3.28E-08
4121	479363.1	3855377	3.16E-04	3.23E-04	3.05E-04	1.09E-07	3.30E-07	1.91E-07	1.96E-07	1.77E-07	8.10E-08	7.64E-08	0.00E+00	0.00E+00	3.52E-08	6.64E-09	4.22E-08	6.50E-09	5.91E-09	9.64E-08	9.97E-08	3.66E-08	4.98E-08	1.86E-08	9.97E-08	3.66E-08
4122	479863.1	3855377	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	0.00E+00	0.00E+00	3.93E-08	7.42E-09	4.71E-08	7.26E-09	6.60E-09	1.08E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
4123	480363.1	3855377	4.12E-04	4.22E-04	3.98E-04	1.43E-07	4.30E-07	2.49E-07	2.55E-07	2.31E-07	1.06E-07	9.96E-08	0.00E+00	0.00E+00	4.58E-08	8.66E-09	5.50E-08	8.48E-09	7.71E-09	1.26E-07	1.30E-07	4.77E-08	6.49E-08	2.42E-08	1.30E-07	4.77E-08
4124	480863.1	3855377	5.08E-04	5.20E-04	4.90E-04	1.76E-07	5.31E-07	3.07E-07	3.15E-07	2.85E-07	1.30E-07	1.23E-07	0.00E+00	0.00E+00	5.65E-08	1.07E-08	6.78E-08	1.05E-08	9.51E-09	1.55E-07	1.60E-07	5.88E-08	8.00E-08	2.99E-08	1.60E-07	5.88E-08
4125	481363.1	3855377	6.51E-04	6.67E-04	6.29E-04	2.25E-07	6.80E-07	3.94E-07	4.03E-07	3.66E-07	1.67E-07	1.57E-07	0.00E+00	0.00E+00	7.25E-08	1.37E-08	8.69E-08	1.34E-08	1.22E-08	1.99E-07	2.05E-07	7.53E-08	1.03E-07	3.83E-08	2.05E-07	7.53E-08
4126	481863.1	3855377	8.32E-04	8.53E-04	8.04E-04	2.88E-07	8.70E-07	5.04E-07	5.16E-07	4.68E-07	2.13E-07	2.01E-07	0.00E+00	0.00E+00	9.27E-08	1.75E-08	1.11E-07	1.71E-08	1.56E-08	2.54E-07	2.63E-07	9.64E-08	1.31E-07	4.90E-08	2.63E-07	9.64E-08
4127	482363.1	3855377	1.09E-03	1.12E-03	1.06E-03	3.79E-07	1.14E-06	6.62E-07	6.78E-07	6.14E-07	2.80E-07	2.64E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.05E-08	3.34E-07	3.45E-07	1.27E-07	1.72E-07	6.44E-08	3.45E-07	1.27E-07
4128	482863.1	3855377	1.62E-03	1.66E-03	1.57E-03	5.61E-07	1.69E-06	9.81E-07	1.00E-06	9.10E-07	4.15E-07	3.92E-07	0.00E+00	0.00E+00	1.80E-07	3.41E-08	2.16E-07	3.34E-08	3.03E-08	4.94E-07	5.11E-07	1.88E-07	2.55E-07	9.54E-08	5.11E-07	1.88E-07
4129	483363.1	3855377	3.60E-03	3.69E-03	3.48E-03	1.25E-06	3.76E-06	2.18E-06	2.23E-06	2.02E-06	9.23E-07	8.70E-07	0.00E+00	0.00E+00	4.01E-07	7.57E-08	4.80E-07	7.41E-08	6.74E-08	1.10E-06	1.14E-06	4.17E-07	5.67E-07	2.12E-07	1.14E-06	4.17E-07
4130	483863.1	3855377	2.33E-02	2.39E-02	2.25E-02	8.07E-06	2.44E-05	1.41E-05	1.44E-05	1.31E-05	5.97E-06	5.64E-06	0.00E+00	0.00E+00	2.59E-06	4.90E-07	3.11E-06	4.80E-07	4.36E-07	7.11E-06	7.36E-06	2.70E-06	3.67E-06	1.37E-06	7.36E-06	2.70E-06
4131	484363.1	3855377	4.64E-03	4.76E-03	4.49E-03	1.61E-06	4.85E-06	2.81E-06	2.88E-06	2.61E-06	1.19E-06	1.12E-06	0.00E+00	0.00E+00	5.17E-07	9.77E-08	6.20E-07	9.56E-08	8.69E-08	1.42E-06	1.47E-06	5.37E-07	7.31E-07	2.73E-07	1.47E-06	5.37E-07
4132	484863.1	3855377	2.79E-03	2.86E-03	2.70E-03	9.66E-07	2.92E-06	1.69E-06	1.73E-06	1.57E-06	7.15E-07	6.75E-07	0.00E+00	0.00E+00	3.11E-07	5.87E-08	3.73E-07	5.74E-08	5.23E-08	8.52E-07	8.81E-07	3.23E-07	4.40E-07	1.64E-07	8.81E-07	3.23E-07
4133	485363.1	3855377	2.00E-03	2.05E-03	1.93E-03	6.91E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.12E-07	4.83E-07	0.00E+00	0.00E+00	2.22E-07	4.20E-08	2.67E-07	4.11E-08	3.74E-08	6.09E-07	6.30E-07	2.31E-07	3.15E-07	1.18E-07	6.30E-07	2.31E-07
4134	485863.1	3855377	1.59E-03	1.63E-03	1.54E-03	5.50E-07	1.66E-06	9.62E-07	9.85E-07	8.93E-07	4.07E-07	3.84E-07	0.00E+00	0.00E+00	1.77E-07	3.34E-08	2.12E-07	3.27E-08	2.98E-08	4.85E-07	5.02E-07	1.84E-07	2.50E-07	9.36E-08	5.02E-07	1.84E-07
4135	486363.1	3855377	1.31E-03	1.34E-03	1.27E-03	4.54E-07	1.37E-06	7.94E-07	8.13E-07	7.37E-07	3.36E-07	3.17E-07	0.00E+00	0.00E+00	1.46E-07	2.76E-08	1.75E-07	2.70E-08	2.46E-08	4.00E-07	4.14E-07	1.52E-07	2.07E-07	7.72E-08	4.14E-07	1.52E-07
4136	486863.1	3855377	1.14E-03	1.16E-03	1.10E-03	3.93E-07	1.19E-06	6.88E-07	7.04E-07	6.38E-07	2.91E-07	2.75E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.52E-07	2.34E-08	2.13E-08	3.47E-07	3.59E-07	1.32E-07	1.79E-07	6.69E-08	3.59E-07	1.32E-07
4137	487363.1	3855377	1.07E-03	1.10E-03	1.04E-03	3.72E-07	1.12E-06	6.50E-07	6.66E-07	6.04E-07	2.75E-07	2.60E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.43E-07	2.21E-08	2.01E-08	3.28E-07	3.39E-07	1.24E-07	1.69E-07	6.33E-08	3.39E-07	1.24E-07

4138	487863.1	3855377	1.01E-03	1.04E-03	9.78E-04	3.50E-07	1.06E-06	6.13E-07	6.27E-07	5.69E-07	2.60E-07	2.45E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.08E-08	1.90E-08	3.09E-07	3.20E-07	1.17E-07	1.59E-07	5.96E-08	3.20E-07	1.17E-07
4139	488363.1	3855377	9.59E-04	9.83E-04	9.27E-04	3.32E-07	1.00E-06	5.80E-07	5.95E-07	5.39E-07	2.46E-07	2.32E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.97E-08	1.80E-08	2.93E-07	3.03E-07	1.11E-07	1.51E-07	5.65E-08	3.03E-07	1.11E-07
4140	488863.1	3855377	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.23E-07	1.89E-08	1.72E-08	2.81E-07	2.90E-07	1.06E-07	1.45E-07	5.41E-08	2.90E-07	1.06E-07
4141	489363.1	3855377	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	0.00E+00	0.00E+00	9.82E-08	1.86E-08	1.18E-07	1.82E-08	1.65E-08	2.69E-07	2.79E-07	1.02E-07	1.39E-07	5.20E-08	2.79E-07	1.02E-07
4142	489863.1	3855377	8.40E-04	8.60E-04	8.11E-04	2.91E-07	8.78E-07	5.08E-07	5.20E-07	4.72E-07	2.15E-07	2.03E-07	0.00E+00	0.00E+00	9.35E-08	1.77E-08	1.12E-07	1.73E-08	1.57E-08	2.56E-07	2.65E-07	9.72E-08	1.32E-07	4.94E-08	2.65E-07	9.72E-08
4143	490363.1	3855377	8.26E-04	8.47E-04	7.98E-04	2.86E-07	8.64E-07	5.00E-07	5.12E-07	4.64E-07	2.12E-07	2.00E-07	0.00E+00	0.00E+00	9.20E-08	1.74E-08	1.10E-07	1.70E-08	1.55E-08	2.52E-07	2.61E-07	9.57E-08	1.30E-07	4.87E-08	2.61E-07	9.57E-08
4144	490863.1	3855377	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	0.00E+00	0.00E+00	7.33E-08	1.38E-08	8.79E-08	1.35E-08	1.23E-08	2.01E-07	2.08E-07	7.62E-08	1.04E-07	3.87E-08	2.08E-07	7.62E-08
4145	491363.1	3855377	6.11E-04	6.26E-04	5.90E-04	2.12E-07	6.39E-07	3.70E-07	3.79E-07	3.43E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.80E-08	1.29E-08	8.16E-08	1.26E-08	1.14E-08	1.86E-07	1.93E-07	7.07E-08	9.63E-08	3.60E-08	1.93E-07	7.07E-08
4146	491863.1	3855377	7.26E-04	7.44E-04	7.02E-04	2.51E-07	7.59E-07	4.39E-07	4.50E-07	4.08E-07	1.86E-07	1.76E-07	0.00E+00	0.00E+00	8.08E-08	1.53E-08	9.69E-08	1.49E-08	1.36E-08	2.22E-07	2.29E-07	8.41E-08	1.14E-07	4.27E-08	2.29E-07	8.41E-08
4147	492363.1	3855377	7.16E-04	7.33E-04	6.92E-04	2.48E-07	7.48E-07	4.33E-07	4.44E-07	4.02E-07	1.83E-07	1.73E-07	0.00E+00	0.00E+00	7.97E-08	1.51E-08	9.55E-08	1.47E-08	1.34E-08	2.18E-07	2.26E-07	8.29E-08	1.13E-07	4.21E-08	2.26E-07	8.29E-08
4148	492863.1	3855377	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.64E-08	1.44E-08	9.16E-08	1.41E-08	1.28E-08	2.09E-07	2.17E-07	7.94E-08	1.08E-07	4.04E-08	2.17E-07	7.94E-08
4149	493363.1	3855377	6.38E-04	6.53E-04	6.16E-04	2.21E-07	6.66E-07	3.86E-07	3.95E-07	3.58E-07	1.63E-07	1.54E-07	0.00E+00	0.00E+00	7.10E-08	1.34E-08	8.51E-08	1.31E-08	1.19E-08	1.95E-07	2.01E-07	7.38E-08	1.00E-07	3.75E-08	2.01E-07	7.38E-08
4150	493863.1	3855377	5.67E-04	5.80E-04	5.48E-04	1.96E-07	5.92E-07	3.43E-07	3.51E-07	3.18E-07	1.45E-07	1.37E-07	0.00E+00	0.00E+00	6.31E-08	1.19E-08	7.56E-08	1.17E-08	1.06E-08	1.73E-07	1.79E-07	6.56E-08	8.93E-08	3.34E-08	1.79E-07	6.56E-08
4151	494363.1	3855377	4.96E-04	5.08E-04	4.79E-04	1.72E-07	5.18E-07	3.00E-07	3.07E-07	2.79E-07	1.27E-07	1.20E-07	0.00E+00	0.00E+00	5.52E-08	1.04E-08	6.62E-08	1.02E-08	9.28E-09	1.51E-07	1.57E-07	5.74E-08	7.81E-08	2.92E-08	1.57E-07	5.74E-08
4152	494863.1	3855377	4.35E-04	4.46E-04	4.21E-04	1.51E-07	4.55E-07	2.63E-07	2.70E-07	2.45E-07	1.12E-07	1.05E-07	0.00E+00	0.00E+00	4.85E-08	9.16E-09	5.81E-08	8.96E-09	8.15E-09	1.33E-07	1.37E-07	5.04E-08	6.86E-08	2.56E-08	1.37E-07	5.04E-08
4153	495363.1	3855377	3.94E-04	4.04E-04	3.81E-04	1.36E-07	4.12E-07	2.38E-07	2.44E-07	2.21E-07	1.01E-07	9.53E-08	0.00E+00	0.00E+00	4.39E-08	8.29E-09	5.26E-08	8.11E-09	7.38E-09	1.20E-07	1.24E-07	4.56E-08	6.21E-08	2.32E-08	1.24E-07	4.56E-08
4154	495863.1	3855377	3.65E-04	3.73E-04	3.52E-04	1.26E-07	3.81E-07	2.21E-07	2.26E-07	2.05E-07	9.34E-08	8.81E-08	0.00E+00	0.00E+00	4.06E-08	7.67E-09	4.87E-08	7.50E-09	6.83E-09	1.11E-07	1.15E-07	4.22E-08	5.74E-08	2.15E-08	1.15E-07	4.22E-08
4155	496363.1	3855377	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	0.00E+00	0.00E+00	3.99E-08	7.54E-09	4.79E-08	7.38E-09	6.71E-09	1.09E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
4156	496863.1	3855377	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	0.00E+00	0.00E+00	3.93E-08	7.42E-09	4.71E-08	7.26E-09	6.60E-09	1.08E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
4157	497363.1	3855377	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	0.00E+00	0.00E+00	3.93E-08	7.42E-09	4.71E-08	7.26E-09	6.60E-09	1.08E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
4158	497863.1	3855377	3.60E-04	3.69E-04	3.48E-04	1.25E-07	3.76E-07	2.18E-07	2.23E-07	2.02E-07	9.23E-08	8.71E-08	0.00E+00	0.00E+00	4.01E-08	7.58E-09	4.81E-08	7.41E-09	6.74E-09	1.10E-07	1.14E-07	4.17E-08	5.67E-08	2.12E-08	1.14E-07	4.17E-08
4159	498363.1	3855377	3.67E-04	3.76E-04	3.55E-04	1.27E-07	3.84E-07	2.22E-07	2.28E-07	2.06E-07	9.42E-08	8.89E-08	0.00E+00	0.00E+00	4.09E-08	7.73E-09	4.91E-08	7.56E-09	6.88E-09	1.12E-07	1.16E-07	4.25E-08	5.79E-08	2.16E-08	1.16E-07	4.25E-08
4160	471363.1	3855877	2.04E-04	2.09E-04	1.97E-04	7.05E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.22E-08	4.92E-08	0.00E+00	0.00E+00	2.27E-08	4.28E-09	2.72E-08	4.19E-09	3.81E-09	6.21E-08	6.43E-08	2.36E-08	3.21E-08	1.20E-08	6.43E-08	2.36E-08
4161	471863.1	3855877	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.38E-09	2.78E-08	4.28E-09	3.90E-09	6.35E-08	6.57E-08	2.41E-08	3.28E-08	1.23E-08	6.57E-08	2.41E-08
4162	472363.1	3855877	2.17E-04	2.22E-04	2.10E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.22E-07	5.56E-08	5.25E-08	0.00E+00	0.00E+00	2.42E-08	4.56E-09	2.90E-08	4.47E-09	4.06E-09	6.62E-08	6.85E-08	2.51E-08	3.42E-08	1.28E-08	6.85E-08	2.51E-08
4163	472863.1	3855877	2.18E-04	2.24E-04	2.11E-04	7.56E-08	2.28E-07	1.32E-07	1.35E-07	1.23E-07	5.60E-08	5.28E-08	0.00E+00	0.00E+00	2.43E-08	4.59E-09	2.92E-08	4.50E-09	4.09E-09	6.67E-08	6.89E-08	2.53E-08	3.44E-08	1.29E-08	6.89E-08	2.53E-08
4164	473363.1	3855877	2.29E-04	2.34E-04	2.21E-04	7.92E-08	2.39E-07	1.38E-07	1.42E-07	1.29E-07	5.86E-08	5.53E-08	0.00E+00	0.00E+00	2.55E-08	4.81E-09	3.05E-08	4.71E-09	4.28E-09	6.98E-08	7.22E-08	2.65E-08	3.60E-08	1.35E-08	7.22E-08	2.65E-08
4165	473863.1	3855877	2.38E-04	2.43E-04	2.30E-04	8.23E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.09E-08	5.75E-08	0.00E+00	0.00E+00	2.65E-08	5.00E-09	3.17E-08	4.89E-09	4.45E-09	7.25E-08	7.50E-08	2.75E-08	3.74E-08	1.40E-08	7.50E-08	2.75E-08
4166	474363.1	3855877	2.44E-04	2.49E-04	2.35E-04	8.43E-08	2.55E-07	1.47E-07	1.51E-07	1.37E-07	6.24E-08	5.89E-08	0.00E+00	0.00E+00	2.71E-08	5.12E-09	3.25E-08	5.01E-09	4.56E-09	7.43E-08	7.69E-08	2.82E-08	3.84E-08	1.43E-08	7.69E-08	2.82E-08
4167	474863.1	3855877	2.23E-04	2.28E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.39E-08	0.00E+00	0.00E+00	2.48E-08	4.69E-09	2.97E-08	4.59E-09	4.17E-09	6.80E-08	7.03E-08	2.58E-08	3.51E-08	1.31E-08	7.03E-08	2.58E-08
4168	475363.1	3855877	1.95E-04	2.00E-04	1.88E-04	6.74E-08	2.04E-07	1.18E-07	1.21E-07	1.09E-07	4.99E-08	4.71E-08	0.00E+00	0.00E+00	2.17E-08	4.10E-09	2.60E-08	4.01E-09	3.65E-09	5.94E-08	6.15E-08	2.26E-08	3.07E-08	1.15E-08	6.15E-08	2.26E-08
4169	475863.1	3855877	1.62E-04	1.66E-04	1.57E-04	5.62E-08	1.70E-07	9.82E-08	1.01E-07	9.12E-08	4.16E-08	3.93E-08	0.00E+00	0.00E+00	1.81E-08	3.41E-09	2.17E-08	3.34E-09	3.04E-09	4.95E-08	5.12E-08	1.88E-08	2.56E-08	9.56E-09	5.12E-08	1.88E-08
4170	476363.1	3855877	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	0.00E+00	0.00E+00	1.87E-08	3.54E-09	2.25E-08	3.46E-09	3.15E-09	5.13E-08	5.31E-08	1.95E-08	2.65E-08	9.90E-09	5.31E-08	1.95E-08
4171	476863.1	3855877	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	0.00E+00	0.00E+00	2.14E-08	4.04E-09	2.56E-08	3.95E-09	3.59E-09	5.85E-08	6.06E-08	2.22E-08	3.02E-08	1.13E-08	6.06E-08	2.22E-08
4172	477363.1	3855877	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.38E-09	2.78E-08	4.28E-09	3.90E-09	6.35E-08	6.57E-08	2.41E-08	3.28E-08	1.23E-08	6.57E-08	2.41E-08
4173	477863.1	3855877	2.24E-04	2.30E-04	2.17E-04	7.77E-08	2.34E-07	1.36E-07	1.39E-07	1.26E-07	5.75E-08	5.42E-08	0.00E+00	0.00E+00	2.50E-08	4.72E-09	2.99E-08	4.62E-09	4.20E-09	6.85E-08	7.08E-08	2.60E-08	3.53E-08	1.32E-08	7.08E-08	2.60E-08
4174	478363.1	3855877	2.48E-04	2.54E-04	2.40E-04	8.58E-08	2.59E-07	1.50E-07	1.54E-07	1.39E-07	6.36E-08	6.00E-08	0.00E+00	0.00E+00	2.76E-08	5.22E-09	3.31E-08	5.10E-09	4.64E-09	7.57E-08	7.83E-08	2.87E-08	3.91E-08	1.46E-08	7.83E-08	2.87E-08
4175	478863.1	3855877	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	0.00E+00	0.00E+00	3.06E-08	5.77E-09	3.66E-08	5.65E-09	5.14E-09	8.38E-08	8.66E-08	3.18E-08	4.32E-08	1.62E-08	8.66E-08	3.18E-08
4176	479363.1	3855877	3.08E-04	3.16E-04	2.98E-04	1.07E-07	3.22E-07	1.87E-07	1.91E-07	1.73E-07	7.91E-08	7.46E-08	0.00E+00	0.00E+00	3.43E-08	6.49E-09	4.12E-08	6.35E-09	5.78E-09	9.41E-08	9.74E-08	3.57E-08	4.86E-08	1.82E-08	9.74E-08	3.57E-08
4177	479863.1	3855877	3.42E-04	3.51E-04	3.31E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.78E-08	8.28E-08	0.00E+00	0.00E+00	3.81E-08	7.20E-09	4.57E-08	7.05E-09	6.41E-09	1.04E-07	1.08E-07	3.96E-08	5.39E-08	2.02E-08	1.08E-07	3.96E-08
4178	480363.1	3855877	3.93E-04	4.02E-04	3.79E-04	1.36E-07	4.10E-07	2.38E-07	2.43E-07	2.21E-07	1.01E-07	9.49E-08	0.00E+00	0.00E+00	4.37E-08	8.26E-09	5.24E-08	8.08E-09	7.35E-09	1.20E-07	1.24E-07	4.54E-08	6.18E-08	2.31E-08	1.24E-07	4.54E-08
4179	480863.1	3855877	4.63E-04	4.75E-04	4.48E-04	1.60E-07	4.84E-07	2.80E-07	2.87E-07	2.60E-07	1.19E-07	1.12E-07	0.00E+00	0.00E+00	5.16E-08	9.75E-09	6.19E-08	9.54E-09	8.68E-09	1.41E-07	1.46E-07	5.36E-08	7.30E-08	2.73E-08	1.46E-07	5.36E-08
4180	481363.1	3855877	5.00E-04	5.12E-04	4.83E-04	1.73E-07	5.23E-07	3.03E-07	3.10E-07	2.81E-07	1.28E-07	1.21E-07	0.00E+00	0.00E+00	5.57E-08	1.05E-08	6.68E-08	1.03E-08	9.37E-09	1.53E-07	1.58E-07	5.79E-08	7.88E-08	2.95E-08	1.58E-07	5.79E-08
4181	481863.1	3855877	7.13E-04	7.30E-04	6.89E-04	2.47E-07	7.45E-07	4.31E-07	4.42E-07	4.00E-07	1.83E-07	1.72E-07	0.00E+00	0.00E+00	7.94E-08	1.50E-08	9.52E-08	1.47E-08	1.33E-08	2.18E-07	2.25E-07	8.25E-08	1.12E-07	4.20E-08	2.25E-07	8.25E-08
4182	482363.1	3855877	8.71E-04	8.92E-04	8.41E-04	3.01E-07	9.10E-07	5.27E-07	5.40E-07	4.89E-07	2.23E-07	2.11E-07	0.00E+00	0.00E+00	9.69E-08	1.83E-08	1.16E-07	1.79E-08	1.63E-08	2.66E-07	2.75E-07	1.01E-07	1.37E-07	5.13E-08	2.75E-07	1.01E-07
4183	482863.1	3855877	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.65E-07	6.81E-07	6.18E-07	2.82E-07	2.66E-07	0.00E+00	0.00E+00	1.22E-07	2.31E-08	1.47E-07	2.26E-08	2.06E-08	3.36E-07	3.47E-07	1.27E-07	1.73E-07	6.47E-08	3.47E-07	1.27E-07
4184	483363.1	3855877	1.57E-03	1.61E-03	1.51E-03	5.43E-07	1.64E-06	9.48E-07	9.71E-07	8.81E-07	4.02E-07	3.79E-07	0.00E+00	0.00E+00	1.74E-07	3.30E-08	2.09E-07	3.23E-08	2.93E-08	4.78E-07	4.95E-07	1.81E-07	2.47E-07	9.23E-08	4.95E-07	1.81E-07
4185	483863.1	3855877	3.24E-03	3.31E-03	3.13E-03	1.12E-06	3.38E-06	1.96E-06	2.00E-06	1.82E-06	8.29E-07	7.82E-07	0.00E+00	0.00E+00	3.60E-07	6.81E-08	4.32E-07	6.66E-08	6.06E-08	9.87E-07	1.02E-06	3.74E-07	5.10E-07	1.90E-07	1.02E-06	3.74E-07
4186	484363.1	3855877	3.77E-02	3.86E-02	3.64E-02	1.31E-05	3.94E-05	2.28E-05	2.34E-05	2.12E-05	9.66E-06	9.12E-06	0.00E+00	0.00E+00	4.20E-06	7.93E-07	5.03E-06	7.76E-07	7.06E-07	1.15E-05	1.19E-05	4.36E-06	5.94E-06	2.22E-06	1.19E-05	4.36E-06
4187	484863.1	3855877	5.91E-03	6.05E-03	5.71E-03	2.05E-06	6.18E-06	3.58E-06	3.66E-06	3.32E-06	1.52E-06	1.43E-06	0.00E+00	0.00E+00	6.58E-07	1.24E-07	7.89E-07	1.22E-07	1.11E-07	1.80E-06	1.87E-06	6.84E-07	9.31E-07	3.48E-07	1.87E-06	6.84E-07
4188	485363.1	3855877	3.28E-03	3.36E-03	3.17E-03	1.13E-06	3.42E-06	1.98E-06	2.03E-06	1.84E-06	8.40E-07	7.92E-07	0.00E+00	0.00E+00	3.65E-07	6.89E-08	4.37E-07	6.74E-08	6.13E-08	1.00E-06	1.03E-06	3.79E-07	5.16E-07	1.93E-07	1.03E-06	3.79E-07
4189	485863.1	3855877	2.25E-03	2.30E-03	2.17E-03	7.79E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.77E-07	5.44E-07	0.00E+00	0.00E+00	2.50E-07	4.73E-08	3.00E-07	4.63E-08	4.21E-08	6.86E-07	7.10E-07	2.60E-07	3.54E-07	1.32E-07	7.10E-07	2.60E-07
4190	486363.1	3855877	1.69E-03	1.73E-03	1.63E-03	5.84E-07	1.76E-06	1.02E-06	1.05E-06	9.49E-07	4.33E-07	4.08E-07	0.00E+00	0.00E+00	1.88E-07	3.55E-08	2.25E-07	3.48E-08	3.16E-08	5.15E-07	5.33E-07	1.95E-07	2.66E-07	9.94E-08	5.33E-07	1.95E-07
4191	486863.1	3855877	1.42E-03	1.45E-03	1.37E-03	4.90E-07	1.48E-06	8.57E-07	8.78E-07	7.96E-07	3.63E-07	3.43E-07	0.00E+00	0.00E+00	1.58E-07	2.98E-08	1.89E-07	2.92E-08	2.65E-08	4.32E-07	4.47E-07	1.64E-07	2.23E-07	8.34E-08	4.47E-07	1.64E-07
4192	487363.1	3855877	1.31E-03	1.34E-03	1.27E-03	4.54E-07	1.37E-06	7.93E-07	8.12E-07	7.36E-07	3.36E-07	3.17E-07	0.00E+00	0.00E+00	1.46E-07	2.76E-08	1.75E-07	2.70E-08	2.45E-08	4.00E-07	4.14E-07	1.52E-07	2.06E-07	7.72E-08	4.14E-07	1.52E-07
4193	487863.1	3855877	1.23E-03	1.26E-03	1.19E-03	4.26E-07	1.28E-06	7.44E-07	7.62E-07	6.91E-07	3.15E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.59E-08	1.64E-07	2.53E-08	2.30E-08	3.75E-07	3.88E-07	1.42E-07	1.94E-07	7.24E-08	3.88E-07	1.42E-07
4194	488363.1	3855877	1.15E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.93E-07	7.10E-07	6.43E-07	2.94E-07	2.77E-07	0.00E+00	0.00E+00	1.27E-07	2.41E-08	1.53E-07	2.36E-08	2.14E-08	3.49E-07	3.61E-07	1.33E-07	1.80E-07	6.74E-08	3.61E-07	1.33E-07
4195	488863.1	3855877	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.49E-07	6.65E-07	6.03E-07	2.75E-07	2.59E-07	0.00E+00	0.00E+00	1.19E-07	2.26E-08	1.43E-07	2.21E-08	2.01E-08	3.27E-07	3.39E-07	1.24E-07	1.69E-07	6.32E-08	3.39E-07	1.24E-07
4196	489363.1	3855877	1.01E-03	1.03E-03	9.72E-04	3.48E-07	1.05E-06	6.09E-07	6.24E-07	5.65E-07	2.58E-07	2.43E-07	0.00E+00	0.00E+00	1.12E-07	2.12E-08	1.34E-07	2.07E-08	1.88E-08	3.07E-07	3.18E-07	1.17E-07	1.59E-07	5.93E-08	3.18E-07	1.17E-07
4197	489863.1	3855877	9.52E-04	9.75E-04	9.20E-04	3.30E-07	9.95E-07	5.76E-07	5.90E-07	5.35E-07	2.44E-07	2.30E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.78E-08	2.90E-07	3.00E-07	1.10E-07	1.50E-07	5.60E-08	3.00E-07	1.10E-07
4198	490363.1	3855877	9.12E-04	9.34E-04	8.81E-04	3.16E-07	9.53E-07	5.52E-07	5.65E-07	5.12E-07	2.34E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.71E-08	2.78E-07	2.88E-07	1.06E-07	1.44E-07	5.37E-08	2.88E-07	1.06E-07
4199	490863.1	3855877	8.56E-04	8.77E-04	8.27E-04	2.96E-07	8.95E-07	5.18E-07	5.30E-07	4.81E-07	2.19E-07	2.07E-07	0.00E+00	0.00E+00	9.53E-08	1.80E-08	1.14E-07	1.76E-08	1.60E-08	2.61E-07	2.70E-07	9.91E-08	1.35E-07	5.04E-08	2.70E-07	9.91E-08
4200	491363.1	3855877	7.69E-04	7.88E-04	7.43E-04	2.66E-07	8.04E-07	4.65E-07	4.77E-07	4.32E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.56E-08	1.62E-08	1.03E-07	1.58E-08	1.44E-08	2.35E-07	2.43E-07	8.90E-08	1.21E-07	4.53E-08	2.43E-07	8.90E-08
4201	491863.1	3855877	7.97E-04	8.16E-04	7.70E-04	2.76E-07	8.33E-07	4.82E-07	4.94E-07	4.48E-07	2.04E-07	1.93E-07	0.00E+00	0.00E+00	8.87E-08	1.68E-08	1.06E-07	1.64E-08	1.49E-08	2.43E-07	2.52E-07	9.23E-08	1.26E-07	4.69E-08	2.52E-07	9.23E-08
4202	492363.1	3855877	7.54E-04	7.72E-04	7.29E-04	2.61E-07	7.88E-07	4.56E-07	4.67E-07	4.24E-07	1.93E-07	1.82E-07	0.00E+00	0.00E+00	8.40E-08	1.59E-08	1.01E-07	1.55E-08	1.41E-08	2.30E-07	2.38E-07	8.73E-08	1.19E-07	4.44E-08	2.38E-07	8.73E-08
4203	492863.1	3855877	7.17E-04	7.35E-04	6.93E-04	2.48E-07	7.50E-07	4.34E-07	4.45E-07	4.03E-07	1.84E-07	1.73E-07	0.00E+00	0.00E+00	7.98E-08	1.51E-08	9.57E-08	1.48E-08	1.34E-08	2.19E-07	2.26E-07	8.30E-08	1.13E-07	4.22E-08	2.26E-07	8.30E-08
4204	493363.1	3855877	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.95E-08	1.31E-08	8.33E-08	1.29E-08	1.17E-08	1.90E-07	1.97E-07	7.23E-08	9.83E-08	3.68E-08	1.97E-07	7.23E-08
4205	493863.1	3855877	5.37E-04	5.50E-04	5.19E-04	1.86E-07	5.62E-07	3.25E-07	3.33E-07	3.02E-07	1.38E-07	1.30E-07	0.00E+00	0.00E+00	5.98E-08	1.13E-08	7.17E-08	1.11E-08	1.01E-08	1.64E-07	1.70E-07	6.22E-08	8.46E-08	3.16E-08	1.70E-07	6.22E-08
4206	494363.1	3855877	4.65E-04	4.76E-04	4.49E-04	1.61E-07	4.86E-07	2.81E-07	2.88E-07	2.61E-07	1.19E-07	1.12E-07	0.00E+00	0.00E+00	5.18E-08	9.78E-09	6.21E-08	9.57E-09	8.70E-09	1.42E-07	1.47E-07	5.38E-08	7.32E-08	2.74E-08	1.47E-07	5.38E-08
4207	494863.1	3855877	4.18E-04	4.28E-04	4.04E-04	1.45E-07	4.37E-07	2.53E-07	2.59E-07	2.35E-07	1.07E-07	1.01E-07	0.00E+00	0.00E+00	4.65E-08	8.79E-09	5.58E-08	8.60E-09	7.82E-09	1.27E-07	1.32E-07	4.83E-08	6.58E-08	2.46E-08	1.32E-07	4.83E-08
4208	495363.1	3855877	3.69E-04	3.78E-04	3.56E-04	1.28E-07	3.86E-07	2.23E-07	2.29E-07	2.07E-07	9.46E-08	8.92E-08	0.00E+00	0.00E+00	4.11E-08	7.76E-09	4.92E-08	7.59E-09	6.91E-09	1.13E-07	1.16E-07	4.27E-08	5.81E-08	2.17E-08	1.16E-07	4.27E-08
4209	495863.1	3855877	3.63E-04	3.72E-04	3.51E-04	1.26E-07	3.79E-07	2.20E-07	2.25E-07	2.04E-07	9.31E-08	8.78E-08	0.00E+00	0.00E+00	4.04E-08	7.64E-09	4.85E-08	7.47E-09	6.80E-09	1.11E-07	1.15E-07	4.20E-08	5.72E-08	2.14E-08	1.15E-07	4.20E-08
4210	496363.1	3855877	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	0.00E+00	0.00E+00	3.99E-08	7.54E-09	4.79E-08	7.38E-09	6.71E-09	1.09E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
4211	496863.1	3855877	3.62E-04	3.70E-04	3.49E-04	1.25E-07	3.78E-07	2.19E-07	2.24E-07	2.03E-07	9.27E-08	8.74E-08	0.00E+00	0.00E+00	4.03E-08	7.61E-09	4.83E-08	7.44E-09	6.77E-09	1.10E-07	1.14E-07	4.19E-08	5.70E-08	2.13E-08	1.14E-07	4.19E-08

4212	497363.1	3855877	3.66E-04	3.75E-04	3.54E-04	1.27E-07	3.83E-07	2.21E-07	2.27E-07	2.06E-07	9.38E-08	8.85E-08	0.00E+00	0.00E+00	4.07E-08	7.70E-09	4.89E-08	7.53E-09	6.85E-09	1.12E-07	1.16E-07	4.24E-08	5.77E-08	2.15E-08	1.16E-07	4.24E-08
4213	497863.1	3855877	3.75E-04	3.84E-04	3.62E-04	1.30E-07	3.92E-07	2.27E-07	2.32E-07	2.11E-07	9.61E-08	9.06E-08	0.00E+00	0.00E+00	4.17E-08	7.89E-09	5.00E-08	7.72E-09	7.02E-09	1.14E-07	1.18E-07	4.34E-08	5.91E-08	2.21E-08	1.18E-07	4.34E-08
4214	498363.1	3855877	3.93E-04	4.02E-04	3.79E-04	1.36E-07	4.10E-07	2.38E-07	2.43E-07	2.21E-07	1.01E-07	9.49E-08	0.00E+00	0.00E+00	4.37E-08	8.26E-09	5.24E-08	8.08E-09	7.35E-09	1.20E-07	1.24E-07	4.54E-08	6.18E-08	2.31E-08	1.24E-07	4.54E-08
4215	471363.1	3856377	1.95E-04	2.00E-04	1.88E-04	6.74E-08	2.04E-07	1.18E-07	1.21E-07	1.09E-07	4.99E-08	4.71E-08	0.00E+00	0.00E+00	2.17E-08	4.10E-09	2.60E-08	4.01E-09	3.65E-09	5.94E-08	6.15E-08	2.26E-08	3.07E-08	1.15E-08	6.15E-08	2.26E-08
4216	471863.1	3856377	1.99E-04	2.04E-04	1.92E-04	6.90E-08	2.08E-07	1.21E-07	1.23E-07	1.12E-07	5.11E-08	4.82E-08	0.00E+00	0.00E+00	2.22E-08	4.19E-09	2.66E-08	4.10E-09	3.73E-09	6.08E-08	6.29E-08	2.31E-08	3.14E-08	1.17E-08	6.29E-08	2.31E-08
4217	472363.1	3856377	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.38E-09	2.78E-08	4.28E-09	3.90E-09	6.35E-08	6.57E-08	2.41E-08	3.28E-08	1.23E-08	6.57E-08	2.41E-08
4218	472863.1	3856377	2.15E-04	2.21E-04	2.08E-04	7.46E-08	2.25E-07	1.30E-07	1.34E-07	1.21E-07	5.52E-08	5.21E-08	0.00E+00	0.00E+00	2.40E-08	4.53E-09	2.88E-08	4.44E-09	4.03E-09	6.57E-08	6.80E-08	2.49E-08	3.39E-08	1.27E-08	6.80E-08	2.49E-08
4219	473363.1	3856377	2.23E-04	2.28E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.39E-08	0.00E+00	0.00E+00	2.48E-08	4.69E-09	2.97E-08	4.59E-09	4.17E-09	6.80E-08	7.03E-08	2.58E-08	3.51E-08	1.31E-08	7.03E-08	2.58E-08
4220	473863.1	3856377	2.35E-04	2.40E-04	2.27E-04	8.12E-08	2.45E-07	1.42E-07	1.45E-07	1.32E-07	6.02E-08	5.67E-08	0.00E+00	0.00E+00	2.61E-08	4.94E-09	3.13E-08	4.83E-09	4.39E-09	7.16E-08	7.41E-08	2.72E-08	3.70E-08	1.38E-08	7.41E-08	2.72E-08
4221	474363.1	3856377	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	0.00E+00	0.00E+00	2.60E-08	4.91E-09	3.11E-08	4.80E-09	4.37E-09	7.12E-08	7.36E-08	2.70E-08	3.67E-08	1.37E-08	7.36E-08	2.70E-08
4222	474863.1	3856377	2.26E-04	2.31E-04	2.18E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.46E-08	0.00E+00	0.00E+00	2.51E-08	4.75E-09	3.01E-08	4.65E-09	4.23E-09	6.89E-08	7.13E-08	2.61E-08	3.56E-08	1.33E-08	7.13E-08	2.61E-08
4223	475363.1	3856377	2.10E-04	2.15E-04	2.02E-04	7.25E-08	2.19E-07	1.27E-07	1.30E-07	1.18E-07	5.37E-08	5.07E-08	0.00E+00	0.00E+00	2.33E-08	4.41E-09	2.80E-08	4.31E-09	3.92E-09	6.39E-08	6.61E-08	2.43E-08	3.30E-08	1.23E-08	6.61E-08	2.43E-08
4224	475863.1	3856377	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	0.00E+00	0.00E+00	2.12E-08	4.00E-09	2.54E-08	3.92E-09	3.56E-09	5.81E-08	6.01E-08	2.20E-08	3.00E-08	1.12E-08	6.01E-08	2.20E-08
4225	476363.1	3856377	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	0.00E+00	0.00E+00	2.12E-08	4.00E-09	2.54E-08	3.92E-09	3.56E-09	5.81E-08	6.01E-08	2.20E-08	3.00E-08	1.12E-08	6.01E-08	2.20E-08
4226	476863.1	3856377	1.96E-04	2.01E-04	1.90E-04	6.79E-08	2.05E-07	1.19E-07	1.22E-07	1.10E-07	5.03E-08	4.75E-08	0.00E+00	0.00E+00	2.19E-08	4.13E-09	2.62E-08	4.04E-09	3.68E-09	5.99E-08	6.20E-08	2.27E-08	3.09E-08	1.16E-08	6.20E-08	2.27E-08
4227	477363.1	3856377	2.07E-04	2.12E-04	2.00E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.30E-08	5.00E-08	0.00E+00	0.00E+00	2.30E-08	4.35E-09	2.76E-08	4.25E-09	3.87E-09	6.30E-08	6.52E-08	2.39E-08	3.26E-08	1.22E-08	6.52E-08	2.39E-08
4228	477863.1	3856377	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	0.00E+00	0.00E+00	2.25E-08	4.25E-09	2.70E-08	4.16E-09	3.79E-09	6.17E-08	6.38E-08	2.34E-08	3.19E-08	1.19E-08	6.38E-08	2.34E-08
4229	478363.1	3856377	2.05E-04	2.10E-04	1.98E-04	7.10E-08	2.14E-07	1.24E-07	1.27E-07	1.15E-07	5.26E-08	4.96E-08	0.00E+00	0.00E+00	2.28E-08	4.32E-09	2.74E-08	4.22E-09	3.84E-09	6.26E-08	6.47E-08	2.37E-08	3.23E-08	1.21E-08	6.47E-08	2.37E-08
4230	478863.1	3856377	2.48E-04	2.54E-04	2.40E-04	8.58E-08	2.59E-07	1.50E-07	1.54E-07	1.39E-07	6.36E-08	6.00E-08	0.00E+00	0.00E+00	2.76E-08	5.22E-09	3.31E-08	5.10E-09	4.64E-09	7.57E-08	7.83E-08	2.87E-08	3.91E-08	1.46E-08	7.83E-08	2.87E-08
4231	479363.1	3856377	2.73E-04	2.80E-04	2.64E-04	9.45E-08	2.85E-07	1.65E-07	1.69E-07	1.53E-07	7.00E-08	6.60E-08	0.00E+00	0.00E+00	3.04E-08	5.74E-09	3.64E-08	5.62E-09	5.11E-09	8.33E-08	8.62E-08	3.16E-08	4.30E-08	1.61E-08	8.62E-08	3.16E-08
4232	479863.1	3856377	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	0.00E+00	0.00E+00	3.57E-08	6.74E-09	4.27E-08	6.59E-09	6.00E-09	9.77E-08	1.01E-07	3.71E-08	5.05E-08	1.89E-08	1.01E-07	3.71E-08
4233	480363.1	3856377	3.76E-04	3.85E-04	3.64E-04	1.30E-07	3.93E-07	2.28E-07	2.33E-07	2.11E-07	9.65E-08	9.10E-08	0.00E+00	0.00E+00	4.19E-08	7.92E-09	5.02E-08	7.75E-09	7.05E-09	1.15E-07	1.19E-07	4.36E-08	5.93E-08	2.22E-08	1.19E-07	4.36E-08
4234	480863.1	3856377	4.37E-04	4.47E-04	4.22E-04	1.51E-07	4.57E-07	2.64E-07	2.71E-07	2.45E-07	1.12E-07	1.06E-07	0.00E+00	0.00E+00	4.86E-08	9.19E-09	5.83E-08	8.99E-09	8.18E-09	1.33E-07	1.38E-07	5.06E-08	6.88E-08	2.57E-08	1.38E-07	5.06E-08
4235	481363.1	3856377	5.21E-04	5.34E-04	5.03E-04	1.80E-07	5.45E-07	3.15E-07	3.23E-07	2.93E-07	1.34E-07	1.26E-07	0.00E+00	0.00E+00	5.80E-08	1.10E-08	6.95E-08	1.07E-08	9.75E-09	1.59E-07	1.64E-07	6.03E-08	8.21E-08	3.07E-08	1.64E-07	6.03E-08
4236	481863.1	3856377	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	0.00E+00	0.00E+00	7.08E-08	1.34E-08	8.49E-08	1.31E-08	1.19E-08	1.94E-07	2.01E-07	7.36E-08	1.00E-07	3.74E-08	2.01E-07	7.36E-08
4237	482363.1	3856377	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.23E-08	1.56E-08	9.87E-08	1.52E-08	1.38E-08	2.26E-07	2.33E-07	8.56E-08	1.16E-07	4.35E-08	2.33E-07	8.56E-08
4238	482863.1	3856377	8.71E-04	8.92E-04	8.41E-04	3.01E-07	9.10E-07	5.27E-07	5.40E-07	4.89E-07	2.23E-07	2.11E-07	0.00E+00	0.00E+00	9.69E-08	1.83E-08	1.16E-07	1.79E-08	1.63E-08	2.66E-07	2.75E-07	1.01E-07	1.37E-07	5.13E-08	2.75E-07	1.01E-07
4239	483363.1	3856377	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.48E-07	6.64E-07	6.02E-07	2.75E-07	2.59E-07	0.00E+00	0.00E+00	1.19E-07	2.25E-08	1.43E-07	2.21E-08	2.01E-08	3.27E-07	3.38E-07	1.24E-07	1.69E-07	6.31E-08	3.38E-07	1.24E-07
4240	483863.1	3856377	1.49E-03	1.52E-03	1.44E-03	5.14E-07	1.55E-06	8.99E-07	9.21E-07	8.35E-07	3.81E-07	3.59E-07	0.00E+00	0.00E+00	1.65E-07	3.13E-08	1.98E-07	3.06E-08	2.78E-08	4.53E-07	4.69E-07	1.72E-07	2.34E-07	8.75E-08	4.69E-07	1.72E-07
4241	484363.1	3856377	2.73E-03	2.80E-03	2.64E-03	9.46E-07	2.86E-06	1.65E-06	1.69E-06	1.53E-06	7.00E-07	6.61E-07	0.00E+00	0.00E+00	3.04E-07	5.75E-08	3.65E-07	5.62E-08	5.11E-08	8.34E-07	8.62E-07	3.16E-07	4.30E-07	1.61E-07	8.62E-07	3.16E-07
4242	484863.1	3856377	2.81E-02	2.88E-02	2.71E-02	9.72E-06	2.93E-05	1.70E-05	1.74E-05	1.58E-05	7.20E-06	6.79E-06	0.00E+00	0.00E+00	3.12E-06	5.91E-07	3.75E-06	5.78E-07	5.26E-07	8.57E-06	8.86E-06	3.25E-06	4.42E-06	1.65E-06	8.86E-06	3.25E-06
4243	485363.1	3856377	7.84E-03	8.03E-03	7.58E-03	2.72E-06	8.20E-06	4.75E-06	4.86E-06	4.41E-06	2.01E-06	1.90E-06	0.00E+00	0.00E+00	8.73E-07	1.65E-07	1.05E-06	1.61E-07	1.47E-07	2.39E-06	2.48E-06	9.08E-07	1.24E-06	4.62E-07	2.48E-06	9.08E-07
4244	485863.1	3856377	3.76E-03	3.85E-03	3.63E-03	1.30E-06	3.93E-06	2.28E-06	2.33E-06	2.11E-06	9.64E-07	9.10E-07	0.00E+00	0.00E+00	4.19E-07	7.91E-08	5.02E-07	7.74E-08	7.04E-08	1.15E-06	1.19E-06	4.35E-07	5.93E-07	2.21E-07	1.19E-06	4.35E-07
4245	486363.1	3856377	2.29E-03	2.35E-03	2.22E-03	7.94E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.88E-07	5.55E-07	0.00E+00	0.00E+00	2.55E-07	4.82E-08	3.06E-07	4.72E-08	4.29E-08	7.00E-07	7.24E-07	2.65E-07	3.61E-07	1.35E-07	7.24E-07	2.65E-07
4246	486863.1	3856377	1.87E-03	1.92E-03	1.81E-03	6.47E-07	1.95E-06	1.13E-06	1.16E-06	1.05E-06	4.79E-07	4.52E-07	0.00E+00	0.00E+00	2.08E-07	3.93E-08	2.50E-07	3.85E-08	3.50E-08	5.71E-07	5.90E-07	2.16E-07	2.95E-07	1.10E-07	5.90E-07	2.16E-07
4247	487363.1	3856377	1.64E-03	1.68E-03	1.59E-03	5.69E-07	1.72E-06	9.94E-07	1.02E-06	9.23E-07	4.21E-07	3.97E-07	0.00E+00	0.00E+00	1.83E-07	3.46E-08	2.19E-07	3.38E-08	3.08E-08	5.01E-07	5.18E-07	1.90E-07	2.59E-07	9.67E-08	5.18E-07	1.90E-07
4248	487863.1	3856377	1.51E-03	1.54E-03	1.46E-03	5.22E-07	1.58E-06	9.13E-07	9.35E-07	8.47E-07	3.87E-07	3.65E-07	0.00E+00	0.00E+00	1.68E-07	3.17E-08	2.01E-07	3.10E-08	2.82E-08	4.60E-07	4.76E-07	1.75E-07	2.38E-07	8.88E-08	4.76E-07	1.75E-07
4249	488363.1	3856377	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.59E-07	7.79E-07	3.55E-07	3.35E-07	0.00E+00	0.00E+00	1.54E-07	2.92E-08	1.85E-07	2.85E-08	2.59E-08	4.23E-07	4.37E-07	1.60E-07	2.18E-07	8.16E-08	4.37E-07	1.60E-07
4250	488863.1	3856377	1.28E-03	1.31E-03	1.23E-03	4.42E-07	1.34E-06	7.73E-07	7.92E-07	7.18E-07	3.28E-07	3.09E-07	0.00E+00	0.00E+00	1.42E-07	2.69E-08	1.71E-07	2.63E-08	2.39E-08	3.90E-07	4.03E-07	1.48E-07	2.01E-07	7.52E-08	4.03E-07	1.48E-07
4251	489363.1	3856377	1.19E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.17E-07	7.34E-07	6.66E-07	3.04E-07	2.87E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.22E-08	3.62E-07	3.74E-07	1.37E-07	1.87E-07	6.98E-08	3.74E-07	1.37E-07
4252	489863.1	3856377	1.10E-03	1.13E-03	1.07E-03	3.82E-07	1.15E-06	6.68E-07	6.84E-07	6.20E-07	2.83E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.07E-08	3.37E-07	3.48E-07	1.28E-07	1.74E-07	6.50E-08	3.48E-07	1.28E-07
4253	490363.1	3856377	1.02E-03	1.05E-03	9.90E-04	3.55E-07	1.07E-06	6.20E-07	6.35E-07	5.75E-07	2.63E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.37E-07	2.11E-08	1.92E-08	3.13E-07	3.23E-07	1.19E-07	1.61E-07	6.03E-08	3.23E-07	1.19E-07
4254	490863.1	3856377	9.53E-04	9.77E-04	9.21E-04	3.30E-07	9.97E-07	5.77E-07	5.91E-07	5.36E-07	2.44E-07	2.31E-07	0.00E+00	0.00E+00	1.06E-07	2.01E-08	1.27E-07	1.96E-08	1.79E-08	2.91E-07	3.01E-07	1.10E-07	1.50E-07	5.61E-08	3.01E-07	1.10E-07
4255	491363.1	3856377	9.02E-04	9.24E-04	8.71E-04	3.12E-07	9.43E-07	5.46E-07	5.59E-07	5.07E-07	2.31E-07	2.18E-07	0.00E+00	0.00E+00	1.00E-07	1.90E-08	1.20E-07	1.86E-08	1.69E-08	2.75E-07	2.85E-07	1.04E-07	1.42E-07	5.31E-08	2.85E-07	1.04E-07
4256	491863.1	3856377	8.52E-04	8.72E-04	8.23E-04	2.95E-07	8.90E-07	5.15E-07	5.28E-07	4.78E-07	2.18E-07	2.06E-07	0.00E+00	0.00E+00	9.48E-08	1.79E-08	1.14E-07	1.75E-08	1.59E-08	2.60E-07	2.69E-07	9.86E-08	1.34E-07	5.01E-08	2.69E-07	9.86E-08
4257	492363.1	3856377	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	0.00E+00	0.00E+00	8.82E-08	1.67E-08	1.06E-07	1.63E-08	1.48E-08	2.42E-07	2.50E-07	9.17E-08	1.25E-07	4.67E-08	2.50E-07	9.17E-08
4258	492863.1	3856377	7.04E-04	7.21E-04	6.80E-04	2.44E-07	7.36E-07	4.26E-07	4.36E-07	3.95E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.84E-08	1.48E-08	9.40E-08	1.45E-08	1.32E-08	2.15E-07	2.22E-07	8.15E-08	1.11E-07	4.14E-08	2.22E-07	8.15E-08
4259	493363.1	3856377	5.74E-04	5.88E-04	5.55E-04	1.99E-07	6.00E-07	3.47E-07	3.56E-07	3.23E-07	1.47E-07	1.39E-07	0.00E+00	0.00E+00	6.39E-08	1.21E-08	7.66E-08	1.18E-08	1.07E-08	1.75E-07	1.81E-07	6.65E-08	9.04E-08	3.38E-08	1.81E-07	6.65E-08
4260	493863.1	3856377	5.17E-04	5.29E-04	4.99E-04	1.79E-07	5.40E-07	3.13E-07	3.20E-07	2.90E-07	1.32E-07	1.25E-07	0.00E+00	0.00E+00	5.75E-08	1.09E-08	6.89E-08	1.06E-08	9.67E-09	1.58E-07	1.63E-07	5.98E-08	8.14E-08	3.04E-08	1.63E-07	5.98E-08
4261	494363.1	3856377	4.55E-04	4.66E-04	4.39E-04	1.57E-07	4.75E-07	2.75E-07	2.82E-07	2.55E-07	1.17E-07	1.10E-07	0.00E+00	0.00E+00	5.06E-08	9.56E-09	6.07E-08	9.36E-09	8.51E-09	1.39E-07	1.43E-07	5.26E-08	7.16E-08	2.68E-08	1.43E-07	5.26E-08
4262	494863.1	3856377	4.07E-04	4.17E-04	3.94E-04	1.41E-07	4.26E-07	2.46E-07	2.52E-07	2.29E-07	1.04E-07	9.85E-08	0.00E+00	0.00E+00	4.53E-08	8.57E-09	5.44E-08	8.38E-09	7.63E-09	1.24E-07	1.29E-07	4.72E-08	6.42E-08	2.40E-08	1.29E-07	4.72E-08
4263	495363.1	3856377	3.78E-04	3.87E-04	3.65E-04	1.31E-07	3.95E-07	2.29E-07	2.34E-07	2.12E-07	9.69E-08	9.14E-08	0.00E+00	0.00E+00	4.21E-08	7.95E-09	5.04E-08	7.78E-09	7.07E-09	1.15E-07	1.19E-07	4.37E-08	5.95E-08	2.22E-08	1.19E-07	4.37E-08
4264	495863.1	3856377	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	0.00E+00	0.00E+00	4.12E-08	7.79E-09	4.94E-08	7.63E-09	6.94E-09	1.13E-07	1.17E-07	4.29E-08	5.84E-08	2.18E-08	1.17E-07	4.29E-08
4265	496363.1	3856377	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	0.00E+00	0.00E+00	4.12E-08	7.79E-09	4.94E-08	7.63E-09	6.94E-09	1.13E-07	1.17E-07	4.29E-08	5.84E-08	2.18E-08	1.17E-07	4.29E-08
4266	496863.1	3856377	3.78E-04	3.87E-04	3.65E-04	1.31E-07	3.95E-07	2.29E-07	2.34E-07	2.12E-07	9.69E-08	9.14E-08	0.00E+00	0.00E+00	4.21E-08	7.95E-09	5.04E-08	7.78E-09	7.07E-09	1.15E-07	1.19E-07	4.37E-08	5.95E-08	2.22E-08	1.19E-07	4.37E-08
4267	497363.1	3856377	3.87E-04	3.96E-04	3.74E-04	1.34E-07	4.04E-07	2.34E-07	2.40E-07	2.17E-07	9.91E-08	9.35E-08	0.00E+00	0.00E+00	4.30E-08	8.13E-09	5.16E-08	7.96E-09	7.24E-09	1.18E-07	1.22E-07	4.48E-08	6.09E-08	2.28E-08	1.22E-07	4.48E-08
4268	497863.1	3856377	3.98E-04	4.08E-04	3.85E-04	1.38E-07	4.16E-07	2.41E-07	2.47E-07	2.24E-07	1.02E-07	9.64E-08	0.00E+00	0.00E+00	4.44E-08	8.38E-09	5.32E-08	8.20E-09	7.46E-09	1.22E-07	1.26E-07	4.61E-08	6.28E-08	2.35E-08	1.26E-07	4.61E-08
4269	498363.1	3856377	4.15E-04	4.25E-04	4.01E-04	1.44E-07	4.33E-07	2.51E-07	2.57E-07	2.33E-07	1.06E-07	1.00E-07	0.00E+00	0.00E+00	4.62E-08	8.72E-09	5.54E-08	8.54E-09	7.76E-09	1.27E-07	1.31E-07	4.80E-08	6.53E-08	2.44E-08	1.31E-07	4.80E-08
4270	471363.1	3856877	1.89E-04	1.93E-04	1.83E-04	6.54E-08	1.97E-07	1.14E-07	1.17E-07	1.06E-07	4.84E-08	4.57E-08	0.00E+00	0.00E+00	2.10E-08	3.97E-09	2.52E-08	3.89E-09	3.54E-09	5.76E-08	5.96E-08	2.19E-08	2.98E-08	1.11E-08	5.96E-08	2.19E-08
4271	471863.1	3856877	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	0.00E+00	0.00E+00	2.14E-08	4.04E-09	2.56E-08	3.95E-09	3.59E-09	5.85E-08	6.06E-08	2.22E-08	3.02E-08	1.13E-08	6.06E-08	2.22E-08
4272	472363.1	3856877	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	0.00E+00	0.00E+00	2.20E-08	4.16E-09	2.64E-08	4.07E-09	3.70E-09	6.03E-08	6.24E-08	2.29E-08	3.12E-08	1.16E-08	6.24E-08	2.29E-08
4273	472863.1	3856877	2.04E-04	2.09E-04	1.97E-04	7.05E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.22E-08	4.92E-08	0.00E+00	0.00E+00	2.27E-08	4.28E-09	2.72E-08	4.19E-09	3.81E-09	6.21E-08	6.43E-08	2.36E-08	3.21E-08	1.20E-08	6.43E-08	2.36E-08
4274	473363.1	3856877	2.15E-04	2.21E-04	2.08E-04	7.46E-08	2.25E-07	1.30E-07	1.34E-07	1.21E-07	5.52E-08	5.21E-08	0.00E+00	0.00E+00	2.40E-08	4.53E-09	2.88E-08	4.44E-09	4.03E-09	6.57E-08	6.80E-08	2.49E-08	3.39E-08	1.27E-08	6.80E-08	2.49E-08
4275	473863.1	3856877	2.23E-04	2.28E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.39E-08	0.00E+00	0.00E+00	2.48E-08	4.69E-09	2.97E-08	4.59E-09	4.17E-09	6.80E-08	7.03E-08	2.58E-08	3.51E-08	1.31E-08	7.03E-08	2.58E-08
4276	474363.1	3856877	2.23E-04	2.28E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.39E-08	0.00E+00	0.00E+00	2.48E-08	4.69E-09	2.97E-08	4.59E-09	4.17E-09	6.80E-08	7.03E-08	2.58E-08	3.51E-08	1.31E-08	7.03E-08	2.58E-08
4277	474863.1	3856877	2.17E-04	2.22E-04	2.10E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.22E-07	5.56E-08	5.25E-08	0.00E+00	0.00E+00	2.42E-08	4.56E-09	2.90E-08	4.47E-09	4.06E-09	6.62E-08	6.85E-08	2.51E-08	3.42E-08	1.28E-08	6.85E-08	2.51E-08
4278	475363.1	3856877	2.07E-04	2.12E-04	2.00E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.30E-08	5.00E-08	0.00E+00	0.00E+00	2.30E-08	4.35E-09	2.76E-08	4.25E-09	3.87E-09	6.30E-08	6.52E-08	2.39E-08	3.26E-08	1.22E-08	6.52E-08	2.39E-08
4279	475863.1	3856877	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.38E-09	2.78E-08	4.28E-09	3.90E-09	6.35E-08	6.57E-08	2.41E-08	3.28E-08	1.23E-08	6.57E-08	2.41E-08
4280	476363.1	3856877	2.01E-04	2.06E-04	1.94E-04	6.95E-08	2.10E-07	1.21E-07	1.24E-07	1.13E-07	5.15E-08	4.85E-08	0.00E+00	0.00E+00	2.23E-08	4.22E-09	2.68E-08	4.13E-09	3.76E-09	6.12E-08	6.34E-08	2.32E-08	3.16E-08	1.18E-08	6.34E-08	2.32E-08
4281	476863.1	3856877	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	0.00E+00	0.00E+00	2.25E-08	4.25E-09	2.70E-08	4.16E-09	3.79E-09	6.17E-08	6.38E-08	2.34E-08	3.19E-08	1.19E-08	6.38E-08	2.34E-08
4282	477363.1	3856877	2.01E-04	2.06E-04	1.94E-04	6.95E-08	2.10E-07	1.21E-07	1.24E-07	1.13E-07	5.15E-08	4.85E-08	0.00E+00	0.00E+00	2.23E-08	4.22E-09	2.68E-08	4.13E-09	3.76E-09	6.12E-08	6.34E-08	2.32E-08	3.16E-08	1.18E-08	6.34E-08	2.32E-08
4283	477863.1	3856877	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	0.00E+00	0.00E+00	2.12E-08	4.00E-09	2.54E-08	3.92E-09	3.56E-09	5.81E-08	6.01E-08	2.20E-08	3.00E-08	1.12E-08	6.01E-08	2.20E-08
4284	478363.1	3856877	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	0.00E+00	0.00E+00	2.14E-08	4.04E-09	2.56E-08	3.95E-09	3.59E-09	5.85E-08	6.06E-08	2.22E-08	3.02E-08	1.13E-08	6.06E-08	2.22E-08
4285	478863.1	3856877	2.10E-04	2.15E-04	2.02E-04	7.25E-08	2.19E-07	1.27E-07	1.30E-07	1.18E-07	5.37E-08	5.07E-08	0.00E+00	0.00E+00	2.33E-08	4.41E-09	2.80E-08	4.31E-09	3.92E-09	6.39E-08	6.61E-08	2.43E-08	3.30E-08	1.23E-08	6.61E-08	2.43E-08

4286	479363.1	3856877	2.30E-04	2.36E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.43E-07	1.29E-07	5.90E-08	5.57E-08	0.00E+00	0.00E+00	2.56E-08	4.84E-09	3.07E-08	4.74E-09	4.31E-09	7.03E-08	7.27E-08	2.67E-08	3.63E-08	1.36E-08	7.27E-08	2.67E-08
4287	479863.1	3856877	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	0.00E+00	0.00E+00	3.29E-08	6.21E-09	3.94E-08	6.08E-09	5.53E-09	9.01E-08	9.32E-08	3.42E-08	4.65E-08	1.74E-08	9.32E-08	3.42E-08
4288	480363.1	3856877	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	0.00E+00	0.00E+00	3.93E-08	7.42E-09	4.71E-08	7.26E-09	6.60E-09	1.08E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
4289	480863.1	3856877	4.25E-04	4.35E-04	4.11E-04	1.47E-07	4.44E-07	2.57E-07	2.63E-07	2.39E-07	1.09E-07	1.03E-07	0.00E+00	0.00E+00	4.73E-08	8.94E-09	5.67E-08	8.75E-09	7.96E-09	1.30E-07	1.34E-07	4.92E-08	6.70E-08	2.50E-08	1.34E-07	4.92E-08
4290	481363.1	3856877	4.94E-04	5.06E-04	4.78E-04	1.71E-07	5.17E-07	2.99E-07	3.06E-07	2.78E-07	1.27E-07	1.20E-07	0.00E+00	0.00E+00	5.50E-08	1.04E-08	6.60E-08	1.02E-08	9.26E-09	1.51E-07	1.56E-07	5.72E-08	7.79E-08	2.91E-08	1.56E-07	5.72E-08
4291	481863.1	3856877	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.13E-08	1.16E-08	7.35E-08	1.13E-08	1.03E-08	1.68E-07	1.74E-07	6.37E-08	8.67E-08	3.24E-08	1.74E-07	6.37E-08
4292	482363.1	3856877	6.48E-04	6.64E-04	6.26E-04	2.24E-07	6.77E-07	3.92E-07	4.02E-07	3.64E-07	1.66E-07	1.57E-07	0.00E+00	0.00E+00	7.21E-08	1.36E-08	8.65E-08	1.33E-08	1.21E-08	1.98E-07	2.04E-07	7.50E-08	1.02E-07	3.81E-08	2.04E-07	7.50E-08
4293	482863.1	3856877	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	0.00E+00	0.00E+00	8.17E-08	1.54E-08	9.79E-08	1.51E-08	1.37E-08	2.24E-07	2.32E-07	8.49E-08	1.16E-07	4.32E-08	2.32E-07	8.49E-08
4294	483363.1	3856877	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	0.00E+00	0.00E+00	9.45E-08	1.79E-08	1.13E-07	1.75E-08	1.59E-08	2.59E-07	2.68E-07	9.82E-08	1.34E-07	5.00E-08	2.68E-07	9.82E-08
4295	483863.1	3856877	1.03E-03	1.06E-03	9.97E-04	3.57E-07	1.08E-06	6.24E-07	6.39E-07	5.80E-07	2.64E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.12E-08	1.93E-08	3.15E-07	3.26E-07	1.19E-07	1.63E-07	6.07E-08	3.26E-07	1.19E-07
4296	484363.1	3856877	1.41E-03	1.44E-03	1.36E-03	4.87E-07	1.47E-06	8.52E-07	8.73E-07	7.91E-07	3.61E-07	3.40E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.90E-08	2.64E-08	4.30E-07	4.44E-07	1.63E-07	2.22E-07	8.29E-08	4.44E-07	1.63E-07
4297	484863.1	3856877	2.27E-03	2.33E-03	2.20E-03	7.87E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.83E-07	5.50E-07	0.00E+00	0.00E+00	2.53E-07	4.78E-08	3.03E-07	4.68E-08	4.26E-08	6.94E-07	7.17E-07	2.63E-07	3.58E-07	1.34E-07	7.17E-07	2.63E-07
4298	485363.1	3856877	8.50E-03	8.71E-03	8.21E-03	2.94E-06	8.88E-06	5.14E-06	5.27E-06	4.77E-06	2.18E-06	2.06E-06	0.00E+00	0.00E+00	9.46E-07	1.79E-07	1.13E-06	1.75E-07	1.59E-07	2.59E-06	2.68E-06	9.84E-07	1.34E-06	5.00E-07	2.68E-06	9.84E-07
4299	485863.1	3856877	1.11E-02	1.14E-02	1.07E-02	3.84E-06	1.16E-05	6.71E-06	6.87E-06	6.23E-06	2.84E-06	2.68E-06	0.00E+00	0.00E+00	1.23E-06	2.33E-07	1.48E-06	2.28E-07	2.07E-07	3.38E-06	3.50E-06	1.28E-06	1.75E-06	6.52E-07	3.50E-06	1.28E-06
4300	486363.1	3856877	3.64E-03	3.73E-03	3.52E-03	1.26E-06	3.81E-06	2.20E-06	2.26E-06	2.05E-06	9.33E-07	8.80E-07	0.00E+00	0.00E+00	4.05E-07	7.66E-08	4.86E-07	7.49E-08	6.82E-08	1.11E-06	1.15E-06	4.21E-07	5.74E-07	2.14E-07	1.15E-06	4.21E-07
4301	486863.1	3856877	2.63E-03	2.69E-03	2.54E-03	9.10E-07	2.75E-06	1.59E-06	1.63E-06	1.48E-06	6.74E-07	6.36E-07	0.00E+00	0.00E+00	2.93E-07	5.53E-08	3.51E-07	5.41E-08	4.92E-08	8.02E-07	8.30E-07	3.04E-07	4.14E-07	1.55E-07	8.30E-07	3.04E-07
4302	487363.1	3856877	2.18E-03	2.24E-03	2.11E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.23E-06	5.60E-07	5.28E-07	0.00E+00	0.00E+00	2.43E-07	4.59E-08	2.92E-07	4.50E-08	4.09E-08	6.67E-07	6.89E-07	2.53E-07	3.44E-07	1.29E-07	6.89E-07	2.53E-07
4303	487863.1	3856877	1.90E-03	1.95E-03	1.84E-03	6.58E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.87E-07	4.59E-07	0.00E+00	0.00E+00	2.11E-07	4.00E-08	2.54E-07	3.91E-08	3.56E-08	5.80E-07	5.99E-07	2.20E-07	2.99E-07	1.12E-07	5.99E-07	2.20E-07
4304	488363.1	3856877	1.71E-03	1.75E-03	1.65E-03	5.92E-07	1.79E-06	1.03E-06	1.06E-06	9.61E-07	4.38E-07	4.14E-07	0.00E+00	0.00E+00	1.90E-07	3.60E-08	2.28E-07	3.52E-08	3.20E-08	5.22E-07	5.40E-07	1.98E-07	2.69E-07	1.01E-07	5.40E-07	1.98E-07
4305	488863.1	3856877	1.54E-03	1.58E-03	1.49E-03	5.34E-07	1.61E-06	9.34E-07	9.57E-07	8.67E-07	3.96E-07	3.73E-07	0.00E+00	0.00E+00	1.72E-07	3.25E-08	2.06E-07	3.18E-08	2.89E-08	4.71E-07	4.87E-07	1.79E-07	2.43E-07	9.09E-08	4.87E-07	1.79E-07
4306	489363.1	3856877	1.41E-03	1.45E-03	1.37E-03	4.89E-07	1.48E-06	8.55E-07	8.76E-07	7.94E-07	3.62E-07	3.42E-07	0.00E+00	0.00E+00	1.57E-07	2.97E-08	1.89E-07	2.91E-08	2.65E-08	4.31E-07	4.46E-07	1.64E-07	2.23E-07	8.32E-08	4.46E-07	1.64E-07
4307	489863.1	3856877	1.29E-03	1.33E-03	1.25E-03	4.48E-07	1.35E-06	7.83E-07	8.02E-07	7.27E-07	3.32E-07	3.13E-07	0.00E+00	0.00E+00	1.44E-07	2.72E-08	1.73E-07	2.66E-08	2.42E-08	3.95E-07	4.09E-07	1.50E-07	2.04E-07	7.62E-08	4.09E-07	1.50E-07
4308	490363.1	3856877	1.18E-03	1.21E-03	1.14E-03	4.08E-07	1.23E-06	7.14E-07	7.31E-07	6.62E-07	3.02E-07	2.85E-07	0.00E+00	0.00E+00	1.31E-07	2.48E-08	1.57E-07	2.43E-08	2.21E-08	3.60E-07	3.72E-07	1.37E-07	1.86E-07	6.94E-08	3.72E-07	1.37E-07
4309	490863.1	3856877	1.08E-03	1.11E-03	1.05E-03	3.76E-07	1.13E-06	6.56E-07	6.72E-07	6.09E-07	2.78E-07	2.62E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.23E-08	2.03E-08	3.31E-07	3.42E-07	1.26E-07	1.71E-07	6.39E-08	3.42E-07	1.26E-07
4310	491363.1	3856877	1.00E-03	1.03E-03	9.70E-04	3.47E-07	1.05E-06	6.07E-07	6.22E-07	5.64E-07	2.57E-07	2.43E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.07E-08	1.88E-08	3.06E-07	3.17E-07	1.16E-07	1.58E-07	5.91E-08	3.17E-07	1.16E-07
4311	491863.1	3856877	9.27E-04	9.49E-04	8.95E-04	3.21E-07	9.69E-07	5.61E-07	5.74E-07	5.21E-07	2.38E-07	2.24E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.24E-07	1.91E-08	1.74E-08	2.83E-07	2.93E-07	1.07E-07	1.46E-07	5.46E-08	2.93E-07	1.07E-07
4312	492363.1	3856877	7.87E-04	8.06E-04	7.60E-04	2.72E-07	8.22E-07	4.76E-07	4.88E-07	4.42E-07	2.02E-07	1.90E-07	0.00E+00	0.00E+00	8.76E-08	1.65E-08	1.05E-07	1.62E-08	1.47E-08	2.40E-07	2.48E-07	9.11E-08	1.24E-07	4.63E-08	2.48E-07	9.11E-08
4313	492863.1	3856877	6.89E-04	7.06E-04	6.66E-04	2.39E-07	7.20E-07	4.17E-07	4.27E-07	3.87E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.67E-08	1.45E-08	9.20E-08	1.42E-08	1.29E-08	2.10E-07	2.18E-07	7.98E-08	1.09E-07	4.06E-08	2.18E-07	7.98E-08
4314	493363.1	3856877	5.99E-04	6.14E-04	5.79E-04	2.07E-07	6.26E-07	3.63E-07	3.71E-07	3.37E-07	1.54E-07	1.45E-07	0.00E+00	0.00E+00	6.67E-08	1.26E-08	8.00E-08	1.23E-08	1.12E-08	1.83E-07	1.89E-07	6.94E-08	9.44E-08	3.53E-08	1.89E-07	6.94E-08
4315	493863.1	3856877	5.14E-04	5.26E-04	4.96E-04	1.78E-07	5.37E-07	3.11E-07	3.18E-07	2.89E-07	1.32E-07	1.24E-07	0.00E+00	0.00E+00	5.72E-08	1.08E-08	6.86E-08	1.06E-08	9.62E-09	1.57E-07	1.62E-07	5.95E-08	8.09E-08	3.02E-08	1.62E-07	5.95E-08
4316	494363.1	3856877	4.53E-04	4.64E-04	4.38E-04	1.57E-07	4.74E-07	2.74E-07	2.81E-07	2.55E-07	1.16E-07	1.10E-07	0.00E+00	0.00E+00	5.04E-08	9.53E-09	6.05E-08	9.33E-09	8.48E-09	1.38E-07	1.43E-07	5.24E-08	7.14E-08	2.67E-08	1.43E-07	5.24E-08
4317	494863.1	3856877	4.24E-04	4.34E-04	4.09E-04	1.47E-07	4.43E-07	2.56E-07	2.63E-07	2.38E-07	1.09E-07	1.02E-07	0.00E+00	0.00E+00	4.72E-08	8.91E-09	5.65E-08	8.72E-09	7.93E-09	1.29E-07	1.34E-07	4.90E-08	6.67E-08	2.49E-08	1.34E-07	4.90E-08
4318	495363.1	3856877	4.06E-04	4.16E-04	3.92E-04	1.40E-07	4.24E-07	2.46E-07	2.52E-07	2.28E-07	1.04E-07	9.81E-08	0.00E+00	0.00E+00	4.52E-08	8.54E-09	5.42E-08	8.35E-09	7.60E-09	1.24E-07	1.28E-07	4.70E-08	6.39E-08	2.39E-08	1.28E-07	4.70E-08
4319	495863.1	3856877	4.00E-04	4.10E-04	3.86E-04	1.38E-07	4.18E-07	2.42E-07	2.48E-07	2.25E-07	1.03E-07	9.67E-08	0.00E+00	0.00E+00	4.45E-08	8.41E-09	5.34E-08	8.23E-09	7.49E-09	1.22E-07	1.26E-07	4.63E-08	6.30E-08	2.35E-08	1.26E-07	4.63E-08
4320	496363.1	3856877	3.97E-04	4.07E-04	3.84E-04	1.37E-07	4.15E-07	2.40E-07	2.46E-07	2.23E-07	1.02E-07	9.60E-08	0.00E+00	0.00E+00	4.42E-08	8.35E-09	5.30E-08	8.17E-09	7.43E-09	1.21E-07	1.25E-07	4.60E-08	6.25E-08	2.34E-08	1.25E-07	4.60E-08
4321	496863.1	3856877	4.01E-04	4.11E-04	3.88E-04	1.39E-07	4.20E-07	2.43E-07	2.49E-07	2.26E-07	1.03E-07	9.71E-08	0.00E+00	0.00E+00	4.47E-08	8.44E-09	5.36E-08	8.26E-09	7.52E-09	1.22E-07	1.27E-07	4.65E-08	6.32E-08	2.36E-08	1.27E-07	4.65E-08
4322	497363.1	3856877	4.10E-04	4.20E-04	3.96E-04	1.42E-07	4.29E-07	2.48E-07	2.54E-07	2.30E-07	1.05E-07	9.92E-08	0.00E+00	0.00E+00	4.57E-08	8.63E-09	5.48E-08	8.45E-09	7.68E-09	1.25E-07	1.29E-07	4.75E-08	6.46E-08	2.42E-08	1.29E-07	4.75E-08
4323	497863.1	3856877	4.29E-04	4.40E-04	4.15E-04	1.49E-07	4.49E-07	2.60E-07	2.66E-07	2.41E-07	1.10E-07	1.04E-07	0.00E+00	0.00E+00	4.78E-08	9.03E-09	5.73E-08	8.84E-09	8.04E-09	1.31E-07	1.36E-07	4.97E-08	6.77E-08	2.53E-08	1.36E-07	4.97E-08
4324	498363.1	3856877	4.52E-04	4.63E-04	4.36E-04	1.56E-07	4.72E-07	2.73E-07	2.80E-07	2.54E-07	1.16E-07	1.09E-07	0.00E+00	0.00E+00	5.03E-08	9.50E-09	6.03E-08	9.30E-09	8.46E-09	1.38E-07	1.43E-07	5.23E-08	7.11E-08	2.66E-08	1.43E-07	5.23E-08
4325	471363.1	3857377	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	0.00E+00	0.00E+00	2.05E-08	3.88E-09	2.46E-08	3.80E-09	3.45E-09	5.63E-08	5.82E-08	2.14E-08	2.91E-08	1.09E-08	5.82E-08	2.14E-08
4326	471863.1	3857377	1.87E-04	1.92E-04	1.81E-04	6.49E-08	1.96E-07	1.13E-07	1.16E-07	1.05E-07	4.80E-08	4.53E-08	0.00E+00	0.00E+00	2.09E-08	3.94E-09	2.50E-08	3.86E-09	3.51E-09	5.72E-08	5.92E-08	2.17E-08	2.95E-08	1.10E-08	5.92E-08	2.17E-08
4327	472363.1	3857377	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	0.00E+00	0.00E+00	2.14E-08	4.04E-09	2.56E-08	3.95E-09	3.59E-09	5.85E-08	6.06E-08	2.22E-08	3.02E-08	1.13E-08	6.06E-08	2.22E-08
4328	472863.1	3857377	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	0.00E+00	0.00E+00	2.20E-08	4.16E-09	2.64E-08	4.07E-09	3.70E-09	6.03E-08	6.24E-08	2.29E-08	3.12E-08	1.16E-08	6.24E-08	2.29E-08
4329	473363.1	3857377	2.05E-04	2.10E-04	1.98E-04	7.10E-08	2.14E-07	1.24E-07	1.27E-07	1.15E-07	5.26E-08	4.96E-08	0.00E+00	0.00E+00	2.28E-08	4.32E-09	2.74E-08	4.22E-09	3.84E-09	6.26E-08	6.47E-08	2.37E-08	3.23E-08	1.21E-08	6.47E-08	2.37E-08
4330	473863.1	3857377	2.15E-04	2.21E-04	2.08E-04	7.46E-08	2.25E-07	1.30E-07	1.34E-07	1.21E-07	5.52E-08	5.21E-08	0.00E+00	0.00E+00	2.40E-08	4.53E-09	2.88E-08	4.44E-09	4.03E-09	6.57E-08	6.80E-08	2.49E-08	3.39E-08	1.27E-08	6.80E-08	2.49E-08
4331	474363.1	3857377	2.10E-04	2.15E-04	2.02E-04	7.25E-08	2.19E-07	1.27E-07	1.30E-07	1.18E-07	5.37E-08	5.07E-08	0.00E+00	0.00E+00	2.33E-08	4.41E-09	2.80E-08	4.31E-09	3.92E-09	6.39E-08	6.61E-08	2.43E-08	3.30E-08	1.23E-08	6.61E-08	2.43E-08
4332	474863.1	3857377	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	0.00E+00	0.00E+00	2.12E-08	4.00E-09	2.54E-08	3.92E-09	3.56E-09	5.81E-08	6.01E-08	2.20E-08	3.00E-08	1.12E-08	6.01E-08	2.20E-08
4333	475363.1	3857377	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	0.00E+00	0.00E+00	1.92E-08	3.63E-09	2.30E-08	3.55E-09	3.23E-09	5.27E-08	5.45E-08	2.00E-08	2.72E-08	1.02E-08	5.45E-08	2.00E-08
4334	475863.1	3857377	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	0.00E+00	0.00E+00	1.91E-08	3.60E-09	2.29E-08	3.52E-09	3.21E-09	5.22E-08	5.40E-08	1.98E-08	2.70E-08	1.01E-08	5.40E-08	1.98E-08
4335	476363.1	3857377	1.87E-04	1.92E-04	1.81E-04	6.49E-08	1.96E-07	1.13E-07	1.16E-07	1.05E-07	4.80E-08	4.53E-08	0.00E+00	0.00E+00	2.09E-08	3.94E-09	2.50E-08	3.86E-09	3.51E-09	5.72E-08	5.92E-08	2.17E-08	2.95E-08	1.10E-08	5.92E-08	2.17E-08
4336	476863.1	3857377	1.95E-04	2.00E-04	1.88E-04	6.74E-08	2.04E-07	1.18E-07	1.21E-07	1.09E-07	4.99E-08	4.71E-08	0.00E+00	0.00E+00	2.17E-08	4.10E-09	2.60E-08	4.01E-09	3.65E-09	5.94E-08	6.15E-08	2.26E-08	3.07E-08	1.15E-08	6.15E-08	2.26E-08
4337	477363.1	3857377	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	0.00E+00	0.00E+00	2.15E-08	4.07E-09	2.58E-08	3.98E-09	3.62E-09	5.90E-08	6.10E-08	2.24E-08	3.05E-08	1.14E-08	6.10E-08	2.24E-08
4338	477863.1	3857377	1.87E-04	1.92E-04	1.81E-04	6.49E-08	1.96E-07	1.13E-07	1.16E-07	1.05E-07	4.80E-08	4.53E-08	0.00E+00	0.00E+00	2.09E-08	3.94E-09	2.50E-08	3.86E-09	3.51E-09	5.72E-08	5.92E-08	2.17E-08	2.95E-08	1.10E-08	5.92E-08	2.17E-08
4339	478363.1	3857377	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	0.00E+00	0.00E+00	2.04E-08	3.85E-09	2.44E-08	3.77E-09	3.43E-09	5.58E-08	5.78E-08	2.12E-08	2.88E-08	1.08E-08	5.78E-08	2.12E-08
4340	478863.1	3857377	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	0.00E+00	0.00E+00	2.00E-08	3.79E-09	2.40E-08	3.71E-09	3.37E-09	5.49E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
4341	479363.1	3857377	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.38E-09	2.78E-08	4.28E-09	3.90E-09	6.35E-08	6.57E-08	2.41E-08	3.28E-08	1.23E-08	6.57E-08	2.41E-08
4342	479863.1	3857377	2.66E-04	2.72E-04	2.57E-04	9.20E-08	2.78E-07	1.61E-07	1.65E-07	1.49E-07	6.81E-08	6.42E-08	0.00E+00	0.00E+00	2.96E-08	5.59E-09	3.55E-08	5.47E-09	4.97E-09	8.11E-08	8.38E-08	3.08E-08	4.19E-08	1.56E-08	8.38E-08	3.08E-08
4343	480363.1	3857377	2.61E-04	2.68E-04	2.52E-04	9.04E-08	2.73E-07	1.58E-07	1.62E-07	1.47E-07	6.70E-08	6.32E-08	0.00E+00	0.00E+00	2.91E-08	5.50E-09	3.49E-08	5.38E-09	4.89E-09	7.97E-08	8.24E-08	3.02E-08	4.12E-08	1.54E-08	8.24E-08	3.02E-08
4344	480863.1	3857377	3.98E-04	4.08E-04	3.85E-04	1.38E-07	4.16E-07	2.41E-07	2.47E-07	2.24E-07	1.02E-07	9.64E-08	0.00E+00	0.00E+00	4.44E-08	8.38E-09	5.32E-08	8.20E-09	7.46E-09	1.22E-07	1.26E-07	4.61E-08	6.28E-08	2.35E-08	1.26E-07	4.61E-08
4345	481363.1	3857377	4.16E-04	4.26E-04	4.02E-04	1.44E-07	4.35E-07	2.52E-07	2.58E-07	2.34E-07	1.07E-07	1.01E-07	0.00E+00	0.00E+00	4.63E-08	8.75E-09	5.56E-08	8.57E-09	7.79E-09	1.27E-07	1.31E-07	4.82E-08	6.56E-08	2.45E-08	1.31E-07	4.82E-08
4346	481863.1	3857377	4.77E-04	4.88E-04	4.61E-04	1.65E-07	4.98E-07	2.88E-07	2.95E-07	2.68E-07	1.22E-07	1.15E-07	0.00E+00	0.00E+00	5.31E-08	1.00E-08	6.36E-08	9.81E-09	8.93E-09	1.45E-07	1.50E-07	5.52E-08	7.51E-08	2.81E-08	1.50E-07	5.52E-08
4347	482363.1	3857377	5.71E-04	5.85E-04	5.52E-04	1.98E-07	5.97E-07	3.46E-07	3.54E-07	3.21E-07	1.46E-07	1.38E-07	0.00E+00	0.00E+00	6.36E-08	1.20E-08	7.62E-08	1.18E-08	1.07E-08	1.74E-07	1.80E-07	6.61E-08	9.00E-08	3.36E-08	1.80E-07	6.61E-08
4348	482863.1	3857377	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	0.00E+00	0.00E+00	7.06E-08	1.33E-08	8.47E-08	1.31E-08	1.19E-08	1.94E-07	2.00E-07	7.35E-08	1.00E-07	3.74E-08	2.00E-07	7.35E-08
4349	483363.1	3857377	7.08E-04	7.26E-04	6.84E-04	2.45E-07	7.40E-07	4.29E-07	4.39E-07	3.98E-07	1.82E-07	1.71E-07	0.00E+00	0.00E+00	7.89E-08	1.49E-08	9.46E-08	1.46E-08	1.33E-08	2.16E-07	2.24E-07	8.20E-08	1.12E-07	4.17E-08	2.24E-07	8.20E-08
4350	483863.1	3857377	8.21E-04	8.40E-04	7.93E-04	2.84E-07	8.58E-07	4.97E-07	5.09E-07	4.61E-07	2.10E-07	1.98E-07	0.00E+00	0.00E+00	9.13E-08	1.73E-08	1.10E-07	1.69E-08	1.54E-08	2.50E-07	2.59E-07	9.50E-08	1.29E-07	4.83E-08	2.59E-07	9.50E-08
4351	484363.1	3857377	9.93E-04	1.02E-03	9.60E-04	3.44E-07	1.04E-06	6.01E-07	6.16E-07	5.58E-07	2.55E-07	2.40E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.33E-07	2.04E-08	1.86E-08	3.03E-07	3.13E-07	1.15E-07	1.56E-07	5.85E-08	3.13E-07	1.15E-07
4352	484863.1	3857377	1.31E-03	1.34E-03	1.27E-03	4.54E-07	1.37E-06	7.93E-07	8.12E-07	7.36E-07	3.36E-07	3.17E-07	0.00E+00	0.00E+00	1.46E-07	2.76E-08	1.75E-07	2.70E-08	2.45E-08	4.00E-07	4.14E-07	1.52E-07	2.06E-07	7.72E-08	4.14E-07	1.52E-07
4353	485363.1	3857377	1.95E-03	2.00E-03	1.88E-03	6.75E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.00E-07	4.72E-07	0.00E+00	0.00E+00	2.17E-07	4.10E-08	2.60E-07	4.02E-08	3.65E-08	5.95E-07	6.16E-07	2.26E-07	3.07E-07	1.15E-07	6.16E-07	2.26E-07
4354	485863.1	3857377	4.63E-03	4.74E-03	4.47E-03	1.60E-06	4.84E-06	2.80E-06	2.87E-06	2.60E-06	1.19E-06	1.12E-06	0.00E+00	0.00E+00	5.15E-07	9.74E-08	6.18E-07	9.53E-08	8.67E-08	1.41E-06	1.46E-06	5.36E-07	7.29E-07	2.72E-07	1.46E-06	5.36E-07
4355	486363.1	3857377	1.68E-02	1.72E-02	1.62E-02	5.81E-06	1.75E-05	1.02E-05	1.04E-05	9.43E-06	4.30E-06	4.06E-06	0.00E+00	0.00E+00	1.87E-06	3.53E-07	2.24E-06	3.45E-07	3.14E-07	5.12E-06	5.30E-06	1.94E-06	2.64E-06	9.88E-07	5.30E-06	1.94E-06
4356	486863.1	3857377	4.62E-03	4.73E-03	4.46E-03	1.60E-06	4.83E-06	2.79E-06	2.86E-06	2.59E-06	1.18E-06	1.12E-06	0.00E+00	0.00E+00	5.14E-07	9.71E-08	6.16E-07	9.50E-08	8.64E-08	1.41E-06	1.46E-06	5.34E-07	7.27E-07	2.72E-07	1.46E-06	5.34E-07
4357	487363.1	3857377	3.28E-03	3.36E-03	3.17E-03	1.14E-06	3.43E-06	1.99E-06	2.03E-06	1.84E-06	8.41E-07	7.94E-07	0.00E+00	0.00E+00	3.65E-07	6.90E-08	4.38E-07	6.76E-08	6.15E-08	1.00E-06	1.04E-06	3.80E-07	5.17E-07	1.93E-07	1.04E-06	3.80E-07
4358	487863.1	3857377	2.67E-03	2.73E-03	2.58E-03	9.24E-07	2.79E-06	1.62E-06	1.65E-06	1.50E-06	6.84E-07	6.46E-07	0.00E+00	0.00E+00	2.97E-07	5.62E-08	3.56E-07	5.50E-08	5.00E-08	8.15E-07	8.43E-07	3.09E-07	4.21E-07	1.57E-07	8.43E-07	3.09E-07
4359	488363.1	3857377	2.25E-03	2.31E-03	2.17E-03	7.79E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.77E-07	5.44E-07	0.00E+00	0.00E+00	2.51E-07	4.73E-08	3.00E-07	4.63E-08	4.21E-08	6.87E-07	7.10E-07	2.61E-07	3.55E-07	1.32E-07	7.10E-07	2.61E-07

4360	488863.1	3857377	1.96E-03	2.01E-03	1.90E-03	6.80E-07	2.05E-06	1.19E-06	1.22E-06	1.10E-06	5.04E-07	4.75E-07	0.00E+00	0.00E+00	2.19E-07	4.13E-08	2.62E-07	4.04E-08	3.68E-08	5.99E-07	6.20E-07	2.27E-07	3.09E-07	1.16E-07	6.20E-07	2.27E-07
4361	489363.1	3857377	1.74E-03	1.78E-03	1.68E-03	6.02E-07	1.82E-06	1.05E-06	1.08E-06	9.78E-07	4.46E-07	4.21E-07	0.00E+00	0.00E+00	1.94E-07	3.66E-08	2.32E-07	3.58E-08	3.26E-08	5.31E-07	5.49E-07	2.01E-07	2.74E-07	1.02E-07	5.49E-07	2.01E-07
4362	489863.1	3857377	1.55E-03	1.58E-03	1.49E-03	5.35E-07	1.62E-06	9.35E-07	9.58E-07	8.68E-07	3.96E-07	3.74E-07	0.00E+00	0.00E+00	1.72E-07	3.25E-08	2.06E-07	3.18E-08	2.89E-08	4.72E-07	4.88E-07	1.79E-07	2.43E-07	9.10E-08	4.88E-07	1.79E-07
4363	490363.1	3857377	1.39E-03	1.42E-03	1.34E-03	4.81E-07	1.45E-06	8.41E-07	8.62E-07	7.81E-07	3.56E-07	3.36E-07	0.00E+00	0.00E+00	1.55E-07	2.92E-08	1.86E-07	2.86E-08	2.60E-08	4.24E-07	4.39E-07	1.61E-07	2.19E-07	8.18E-08	4.39E-07	1.61E-07
4364	490863.1	3857377	1.26E-03	1.29E-03	1.22E-03	4.37E-07	1.32E-06	7.64E-07	7.83E-07	7.10E-07	3.24E-07	3.05E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.60E-08	2.37E-08	3.85E-07	3.99E-07	1.46E-07	1.99E-07	7.44E-08	3.99E-07	1.46E-07
4365	491363.1	3857377	1.16E-03	1.19E-03	1.12E-03	4.01E-07	1.21E-06	7.01E-07	7.18E-07	6.51E-07	2.97E-07	2.80E-07	0.00E+00	0.00E+00	1.29E-07	2.44E-08	1.55E-07	2.38E-08	2.17E-08	3.54E-07	3.66E-07	1.34E-07	1.83E-07	6.82E-08	3.66E-07	1.34E-07
4366	491863.1	3857377	1.03E-03	1.05E-03	9.94E-04	3.56E-07	1.08E-06	6.22E-07	6.38E-07	5.78E-07	2.64E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.12E-08	1.93E-08	3.14E-07	3.25E-07	1.19E-07	1.62E-07	6.06E-08	3.25E-07	1.19E-07
4367	492363.1	3857377	8.18E-04	8.37E-04	7.90E-04	2.83E-07	8.55E-07	4.95E-07	5.07E-07	4.59E-07	2.10E-07	1.98E-07	0.00E+00	0.00E+00	9.10E-08	1.72E-08	1.09E-07	1.68E-08	1.53E-08	2.49E-07	2.58E-07	9.46E-08	1.29E-07	4.81E-08	2.58E-07	9.46E-08
4368	492863.1	3857377	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.52E-08	1.42E-08	9.02E-08	1.39E-08	1.27E-08	2.06E-07	2.13E-07	7.82E-08	1.06E-07	3.98E-08	2.13E-07	7.82E-08
4369	493363.1	3857377	5.77E-04	5.91E-04	5.58E-04	2.00E-07	6.03E-07	3.49E-07	3.58E-07	3.24E-07	1.48E-07	1.40E-07	0.00E+00	0.00E+00	6.42E-08	1.21E-08	7.70E-08	1.19E-08	1.08E-08	1.76E-07	1.82E-07	6.68E-08	9.09E-08	3.40E-08	1.82E-07	6.68E-08
4370	493863.1	3857377	5.34E-04	5.47E-04	5.16E-04	1.85E-07	5.58E-07	3.23E-07	3.31E-07	3.00E-07	1.37E-07	1.29E-07	0.00E+00	0.00E+00	5.95E-08	1.12E-08	7.13E-08	1.10E-08	1.00E-08	1.63E-07	1.69E-07	6.18E-08	8.42E-08	3.15E-08	1.69E-07	6.18E-08
4371	494363.1	3857377	4.93E-04	5.05E-04	4.76E-04	1.71E-07	5.15E-07	2.98E-07	3.05E-07	2.77E-07	1.26E-07	1.19E-07	0.00E+00	0.00E+00	5.49E-08	1.04E-08	6.58E-08	1.01E-08	9.23E-09	1.50E-07	1.56E-07	5.71E-08	7.77E-08	2.90E-08	1.56E-07	5.71E-08
4372	494863.1	3857377	4.71E-04	4.82E-04	4.55E-04	1.63E-07	4.92E-07	2.85E-07	2.92E-07	2.64E-07	1.21E-07	1.14E-07	0.00E+00	0.00E+00	5.24E-08	9.90E-09	6.28E-08	9.69E-09	8.81E-09	1.44E-07	1.49E-07	5.45E-08	7.42E-08	2.77E-08	1.49E-07	5.45E-08
4373	495363.1	3857377	4.53E-04	4.64E-04	4.38E-04	1.57E-07	4.74E-07	2.74E-07	2.81E-07	2.55E-07	1.16E-07	1.10E-07	0.00E+00	0.00E+00	5.04E-08	9.53E-09	6.05E-08	9.33E-09	8.48E-09	1.38E-07	1.43E-07	5.24E-08	7.14E-08	2.67E-08	1.43E-07	5.24E-08
4374	495863.1	3857377	4.46E-04	4.57E-04	4.31E-04	1.54E-07	4.66E-07	2.70E-07	2.76E-07	2.50E-07	1.14E-07	1.08E-07	0.00E+00	0.00E+00	4.96E-08	9.38E-09	5.95E-08	9.17E-09	8.34E-09	1.36E-07	1.41E-07	5.16E-08	7.02E-08	2.62E-08	1.41E-07	5.16E-08
4375	496363.1	3857377	4.41E-04	4.52E-04	4.26E-04	1.53E-07	4.61E-07	2.67E-07	2.73E-07	2.48E-07	1.13E-07	1.07E-07	0.00E+00	0.00E+00	4.91E-08	9.28E-09	5.89E-08	9.08E-09	8.26E-09	1.35E-07	1.39E-07	5.11E-08	6.95E-08	2.60E-08	1.39E-07	5.11E-08
4376	496863.1	3857377	4.40E-04	4.50E-04	4.25E-04	1.52E-07	4.60E-07	2.66E-07	2.73E-07	2.47E-07	1.13E-07	1.06E-07	0.00E+00	0.00E+00	4.90E-08	9.25E-09	5.87E-08	9.05E-09	8.23E-09	1.34E-07	1.39E-07	5.09E-08	6.93E-08	2.59E-08	1.39E-07	5.09E-08
4377	497363.1	3857377	4.46E-04	4.57E-04	4.31E-04	1.54E-07	4.66E-07	2.70E-07	2.76E-07	2.50E-07	1.14E-07	1.08E-07	0.00E+00	0.00E+00	4.96E-08	9.38E-09	5.95E-08	9.17E-09	8.34E-09	1.36E-07	1.41E-07	5.16E-08	7.02E-08	2.62E-08	1.41E-07	5.16E-08
4378	497863.1	3857377	4.59E-04	4.70E-04	4.43E-04	1.59E-07	4.80E-07	2.78E-07	2.84E-07	2.58E-07	1.18E-07	1.11E-07	0.00E+00	0.00E+00	5.11E-08	9.66E-09	6.13E-08	9.45E-09	8.59E-09	1.40E-07	1.45E-07	5.31E-08	7.23E-08	2.70E-08	1.45E-07	5.31E-08
4379	498363.1	3857377	4.99E-04	5.11E-04	4.82E-04	1.73E-07	5.21E-07	3.02E-07	3.09E-07	2.80E-07	1.28E-07	1.21E-07	0.00E+00	0.00E+00	5.55E-08	1.05E-08	6.66E-08	1.03E-08	9.34E-09	1.52E-07	1.57E-07	5.77E-08	7.86E-08	2.94E-08	1.57E-07	5.77E-08
4380	471363.1	3857877	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	0.00E+00	0.00E+00	1.99E-08	3.76E-09	2.38E-08	3.68E-09	3.34E-09	5.45E-08	5.64E-08	2.07E-08	2.81E-08	1.05E-08	5.64E-08	2.07E-08
4381	471863.1	3857877	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
4382	472363.1	3857877	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	0.00E+00	0.00E+00	2.07E-08	3.91E-09	2.48E-08	3.83E-09	3.48E-09	5.67E-08	5.87E-08	2.15E-08	2.93E-08	1.09E-08	5.87E-08	2.15E-08
4383	472863.1	3857877	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	0.00E+00	0.00E+00	2.15E-08	4.07E-09	2.58E-08	3.98E-09	3.62E-09	5.90E-08	6.10E-08	2.24E-08	3.05E-08	1.14E-08	6.10E-08	2.24E-08
4384	473363.1	3857877	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	0.00E+00	0.00E+00	2.20E-08	4.16E-09	2.64E-08	4.07E-09	3.70E-09	6.03E-08	6.24E-08	2.29E-08	3.12E-08	1.16E-08	6.24E-08	2.29E-08
4385	473863.1	3857877	2.07E-04	2.12E-04	2.00E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.30E-08	5.00E-08	0.00E+00	0.00E+00	2.30E-08	4.35E-09	2.76E-08	4.25E-09	3.87E-09	6.30E-08	6.52E-08	2.39E-08	3.26E-08	1.22E-08	6.52E-08	2.39E-08
4386	474363.1	3857877	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	0.00E+00	0.00E+00	2.20E-08	4.16E-09	2.64E-08	4.07E-09	3.70E-09	6.03E-08	6.24E-08	2.29E-08	3.12E-08	1.16E-08	6.24E-08	2.29E-08
4387	474863.1	3857877	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	0.00E+00	0.00E+00	1.99E-08	3.76E-09	2.38E-08	3.68E-09	3.34E-09	5.45E-08	5.64E-08	2.07E-08	2.81E-08	1.05E-08	5.64E-08	2.07E-08
4388	475363.1	3857877	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	0.00E+00	0.00E+00	1.69E-08	3.20E-09	2.03E-08	3.13E-09	2.85E-09	4.64E-08	4.80E-08	1.76E-08	2.39E-08	8.95E-09	4.80E-08	1.76E-08
4389	475863.1	3857877	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	0.00E+00	0.00E+00	1.43E-08	2.70E-09	1.71E-08	2.64E-09	2.40E-09	3.92E-08	4.05E-08	1.49E-08	2.02E-08	7.56E-09	4.05E-08	1.49E-08
4390	476363.1	3857877	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	0.00E+00	0.00E+00	1.79E-08	3.38E-09	2.15E-08	3.31E-09	3.01E-09	4.91E-08	5.08E-08	1.86E-08	2.53E-08	9.47E-09	5.08E-08	1.86E-08
4391	476863.1	3857877	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	0.00E+00	0.00E+00	1.94E-08	3.66E-09	2.32E-08	3.58E-09	3.26E-09	5.31E-08	5.50E-08	2.02E-08	2.74E-08	1.03E-08	5.50E-08	2.02E-08
4392	477363.1	3857877	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	0.00E+00	0.00E+00	1.99E-08	3.76E-09	2.38E-08	3.68E-09	3.34E-09	5.45E-08	5.64E-08	2.07E-08	2.81E-08	1.05E-08	5.64E-08	2.07E-08
4393	477863.1	3857877	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
4394	478363.1	3857877	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
4395	478863.1	3857877	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	0.00E+00	0.00E+00	1.82E-08	3.45E-09	2.19E-08	3.37E-09	3.07E-09	5.00E-08	5.17E-08	1.90E-08	2.58E-08	9.64E-09	5.17E-08	1.90E-08
4396	479363.1	3857877	2.44E-04	2.49E-04	2.35E-04	8.43E-08	2.55E-07	1.47E-07	1.51E-07	1.37E-07	6.24E-08	5.89E-08	0.00E+00	0.00E+00	2.71E-08	5.12E-09	3.25E-08	5.01E-09	4.56E-09	7.43E-08	7.69E-08	2.82E-08	3.84E-08	1.43E-08	7.69E-08	2.82E-08
4397	479863.1	3857877	3.08E-04	3.16E-04	2.98E-04	1.07E-07	3.22E-07	1.87E-07	1.91E-07	1.73E-07	7.91E-08	7.46E-08	0.00E+00	0.00E+00	3.43E-08	6.49E-09	4.12E-08	6.35E-09	5.78E-09	9.41E-08	9.74E-08	3.57E-08	4.86E-08	1.82E-08	9.74E-08	3.57E-08
4398	480363.1	3857877	3.51E-04	3.60E-04	3.39E-04	1.22E-07	3.67E-07	2.13E-07	2.18E-07	1.97E-07	9.00E-08	8.49E-08	0.00E+00	0.00E+00	3.91E-08	7.39E-09	4.69E-08	7.23E-09	6.58E-09	1.07E-07	1.11E-07	4.07E-08	5.53E-08	2.07E-08	1.11E-07	4.07E-08
4399	480863.1	3857877	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	0.00E+00	0.00E+00	4.12E-08	7.79E-09	4.94E-08	7.63E-09	6.94E-09	1.13E-07	1.17E-07	4.29E-08	5.84E-08	2.18E-08	1.17E-07	4.29E-08
4400	481363.1	3857877	3.91E-04	4.01E-04	3.78E-04	1.35E-07	4.09E-07	2.37E-07	2.42E-07	2.20E-07	1.00E-07	9.46E-08	0.00E+00	0.00E+00	4.35E-08	8.23E-09	5.22E-08	8.05E-09	7.32E-09	1.19E-07	1.23E-07	4.53E-08	6.16E-08	2.30E-08	1.23E-07	4.53E-08
4401	481863.1	3857877	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	0.00E+00	0.00E+00	4.75E-08	8.97E-09	5.69E-08	8.78E-09	7.99E-09	1.30E-07	1.35E-07	4.94E-08	6.72E-08	2.51E-08	1.35E-07	4.94E-08
4402	482363.1	3857877	4.96E-04	5.08E-04	4.79E-04	1.72E-07	5.18E-07	3.00E-07	3.07E-07	2.79E-07	1.27E-07	1.20E-07	0.00E+00	0.00E+00	5.52E-08	1.04E-08	6.62E-08	1.02E-08	9.28E-09	1.51E-07	1.57E-07	5.74E-08	7.81E-08	2.92E-08	1.57E-07	5.74E-08
4403	482863.1	3857877	5.58E-04	5.71E-04	5.39E-04	1.93E-07	5.83E-07	3.38E-07	3.46E-07	3.13E-07	1.43E-07	1.35E-07	0.00E+00	0.00E+00	6.21E-08	1.17E-08	7.45E-08	1.15E-08	1.04E-08	1.70E-07	1.76E-07	6.46E-08	8.79E-08	3.28E-08	1.76E-07	6.46E-08
4404	483363.1	3857877	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	0.00E+00	0.00E+00	6.79E-08	1.28E-08	8.14E-08	1.25E-08	1.14E-08	1.86E-07	1.92E-07	7.06E-08	9.60E-08	3.59E-08	1.92E-07	7.06E-08
4405	483863.1	3857877	6.83E-04	7.00E-04	6.60E-04	2.37E-07	7.14E-07	4.13E-07	4.23E-07	3.84E-07	1.75E-07	1.65E-07	0.00E+00	0.00E+00	7.61E-08	1.44E-08	9.12E-08	1.41E-08	1.28E-08	2.09E-07	2.16E-07	7.91E-08	1.08E-07	4.02E-08	2.16E-07	7.91E-08
4406	484363.1	3857877	7.79E-04	7.98E-04	7.53E-04	2.70E-07	8.14E-07	4.72E-07	4.83E-07	4.38E-07	2.00E-07	1.88E-07	0.00E+00	0.00E+00	8.67E-08	1.64E-08	1.04E-07	1.60E-08	1.46E-08	2.38E-07	2.46E-07	9.02E-08	1.23E-07	4.59E-08	2.46E-07	9.02E-08
4407	484863.1	3857877	9.48E-04	9.70E-04	9.15E-04	3.28E-07	9.90E-07	5.73E-07	5.87E-07	5.32E-07	2.43E-07	2.29E-07	0.00E+00	0.00E+00	1.05E-07	1.99E-08	1.26E-07	1.95E-08	1.77E-08	2.89E-07	2.99E-07	1.10E-07	1.49E-07	5.58E-08	2.99E-07	1.10E-07
4408	485363.1	3857877	1.21E-03	1.24E-03	1.17E-03	4.18E-07	1.26E-06	7.31E-07	7.49E-07	6.79E-07	3.10E-07	2.92E-07	0.00E+00	0.00E+00	1.35E-07	2.54E-08	1.61E-07	2.49E-08	2.26E-08	3.69E-07	3.81E-07	1.40E-07	1.90E-07	7.12E-08	3.81E-07	1.40E-07
4409	485863.1	3857877	1.69E-03	1.73E-03	1.63E-03	5.85E-07	1.77E-06	1.02E-06	1.05E-06	9.49E-07	4.33E-07	4.09E-07	0.00E+00	0.00E+00	1.88E-07	3.55E-08	2.26E-07	3.48E-08	3.16E-08	5.16E-07	5.33E-07	1.96E-07	2.66E-07	9.95E-08	5.33E-07	1.96E-07
4410	486363.1	3857877	3.10E-03	3.18E-03	3.00E-03	1.07E-06	3.24E-06	1.88E-06	1.92E-06	1.74E-06	7.95E-07	7.50E-07	0.00E+00	0.00E+00	3.45E-07	6.53E-08	4.14E-07	6.39E-08	5.81E-08	9.47E-07	9.79E-07	3.59E-07	4.89E-07	1.83E-07	9.79E-07	3.59E-07
4411	486863.1	3857877	2.51E-02	2.57E-02	2.42E-02	8.68E-06	2.62E-05	1.52E-05	1.55E-05	1.41E-05	6.43E-06	6.06E-06	0.00E+00	0.00E+00	2.79E-06	5.28E-07	3.35E-06	5.16E-07	4.70E-07	7.65E-06	7.92E-06	2.90E-06	3.95E-06	1.48E-06	7.92E-06	2.90E-06
4412	487363.1	3857877	1.02E-02	1.05E-02	9.90E-03	3.55E-06	1.07E-05	6.20E-06	6.35E-06	5.76E-06	2.63E-06	2.48E-06	0.00E+00	0.00E+00	1.14E-06	2.16E-07	1.37E-06	2.11E-07	1.92E-07	3.13E-06	3.23E-06	1.19E-06	1.61E-06	6.03E-07	3.23E-06	1.19E-06
4413	487863.1	3857877	4.98E-03	5.10E-03	4.82E-03	1.73E-06	5.21E-06	3.02E-06	3.09E-06	2.80E-06	1.28E-06	1.21E-06	0.00E+00	0.00E+00	5.55E-07	1.05E-07	6.65E-07	1.03E-07	9.33E-08	1.52E-06	1.57E-06	5.77E-07	7.85E-07	2.93E-07	1.57E-06	5.77E-07
4414	488363.1	3857877	3.53E-03	3.61E-03	3.41E-03	1.22E-06	3.69E-06	2.13E-06	2.19E-06	1.98E-06	9.04E-07	8.53E-07	0.00E+00	0.00E+00	3.93E-07	7.42E-08	4.71E-07	7.26E-08	6.60E-08	1.08E-06	1.11E-06	4.08E-07	5.56E-07	2.08E-07	1.11E-06	4.08E-07
4415	488863.1	3857877	2.78E-03	2.85E-03	2.69E-03	9.64E-07	2.91E-06	1.68E-06	1.73E-06	1.56E-06	7.14E-07	6.73E-07	0.00E+00	0.00E+00	3.10E-07	5.86E-08	3.72E-07	5.73E-08	5.21E-08	8.49E-07	8.79E-07	3.22E-07	4.38E-07	1.64E-07	8.79E-07	3.22E-07
4416	489363.1	3857877	2.28E-03	2.34E-03	2.20E-03	7.89E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.85E-07	5.51E-07	0.00E+00	0.00E+00	2.54E-07	4.80E-08	3.04E-07	4.69E-08	4.27E-08	6.96E-07	7.20E-07	2.64E-07	3.59E-07	1.34E-07	7.20E-07	2.64E-07
4417	489863.1	3857877	1.93E-03	1.98E-03	1.87E-03	6.69E-07	2.02E-06	1.17E-06	1.20E-06	1.09E-06	4.95E-07	4.67E-07	0.00E+00	0.00E+00	2.15E-07	4.06E-08	2.58E-07	3.98E-08	3.62E-08	5.89E-07	6.10E-07	2.24E-07	3.04E-07	1.14E-07	6.10E-07	2.24E-07
4418	490363.1	3857877	1.70E-03	1.74E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.56E-07	4.36E-07	4.11E-07	0.00E+00	0.00E+00	1.89E-07	3.58E-08	2.27E-07	3.50E-08	3.19E-08	5.19E-07	5.37E-07	1.97E-07	2.68E-07	1.00E-07	5.37E-07	1.97E-07
4419	490863.1	3857877	1.52E-03	1.56E-03	1.47E-03	5.27E-07	1.59E-06	9.21E-07	9.43E-07	8.55E-07	3.90E-07	3.68E-07	0.00E+00	0.00E+00	1.69E-07	3.20E-08	2.03E-07	3.13E-08	2.85E-08	4.64E-07	4.80E-07	1.76E-07	2.40E-07	8.96E-08	4.80E-07	1.76E-07
4420	491363.1	3857877	1.31E-03	1.34E-03	1.26E-03	4.53E-07	1.37E-06	7.92E-07	8.11E-07	7.35E-07	3.36E-07	3.17E-07	0.00E+00	0.00E+00	1.46E-07	2.75E-08	1.75E-07	2.69E-08	2.45E-08	3.99E-07	4.13E-07	1.52E-07	2.06E-07	7.71E-08	4.13E-07	1.52E-07
4421	491863.1	3857877	1.10E-03	1.13E-03	1.07E-03	3.82E-07	1.15E-06	6.67E-07	6.83E-07	6.19E-07	2.83E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.06E-08	3.36E-07	3.48E-07	1.28E-07	1.74E-07	6.49E-08	3.48E-07	1.28E-07
4422	492363.1	3857877	8.62E-04	8.83E-04	8.33E-04	2.98E-07	9.01E-07	5.22E-07	5.34E-07	4.84E-07	2.21E-07	2.08E-07	0.00E+00	0.00E+00	9.59E-08	1.81E-08	1.15E-07	1.77E-08	1.61E-08	2.63E-07	2.72E-07	9.98E-08	1.36E-07	5.07E-08	2.72E-07	9.98E-08
4423	492863.1	3857877	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	0.00E+00	0.00E+00	7.85E-08	1.48E-08	9.42E-08	1.45E-08	1.32E-08	2.15E-07	2.23E-07	8.17E-08	1.11E-07	4.15E-08	2.23E-07	8.17E-08
4424	493363.1	3857877	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	0.00E+00	0.00E+00	7.06E-08	1.33E-08	8.47E-08	1.31E-08	1.19E-08	1.94E-07	2.00E-07	7.35E-08	1.00E-07	3.74E-08	2.00E-07	7.35E-08
4425	493863.1	3857877	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	0.00E+00	0.00E+00	6.62E-08	1.25E-08	7.94E-08	1.22E-08	1.11E-08	1.81E-07	1.88E-07	6.89E-08	9.37E-08	3.50E-08	1.88E-07	6.89E-08
4426	494363.1	3857877	5.67E-04	5.80E-04	5.48E-04	1.96E-07	5.92E-07	3.43E-07	3.51E-07	3.18E-07	1.45E-07	1.37E-07	0.00E+00	0.00E+00	6.31E-08	1.19E-08	7.56E-08	1.17E-08	1.06E-08	1.73E-07	1.79E-07	6.56E-08	8.93E-08	3.34E-08	1.79E-07	6.56E-08
4427	494863.1	3857877	5.30E-04	5.43E-04	5.12E-04	1.83E-07	5.54E-07	3.21E-07	3.28E-07	2.98E-07	1.36E-07	1.28E-07	0.00E+00	0.00E+00	5.90E-08	1.11E-08	7.07E-08	1.09E-08	9.92E-09	1.62E-07	1.67E-07	6.13E-08	8.35E-08	3.12E-08	1.67E-07	6.13E-08
4428	495363.1	3857877	5.12E-04	5.25E-04	4.95E-04	1.77E-07	5.35E-07	3.10E-07	3.17E-07	2.88E-07	1.31E-07	1.24E-07	0.00E+00	0.00E+00	5.70E-08	1.08E-08	6.84E-08	1.05E-08	9.59E-09	1.56E-07	1.62E-07	5.93E-08	8.07E-08	3.01E-08	1.62E-07	5.93E-08
4429	495863.1	3857877	4.97E-04	5.09E-04	4.81E-04	1.72E-07	5.20E-07	3.01E-07	3.08E-07	2.79E-07	1.27E-07	1.20E-07	0.00E+00	0.00E+00	5.54E-08	1.05E-08	6.64E-08	1.02E-08	9.31E-09	1.52E-07	1.57E-07	5.76E-08	7.84E-08	2.93E-08	1.57E-07	5.76E-08
4430	496363.1	3857877	4.93E-04	5.05E-04	4.76E-04	1.71E-07	5.15E-07	2.98E-07	3.05E-07	2.77E-07	1.26E-07	1.19E-07	0.00E+00	0.00E+00	5.49E-08	1.04E-08	6.58E-08	1.01E-08	9.23E-09	1.50E-07	1.56E-07	5.71E-08	7.77E-08	2.90E-08	1.56E-07	5.71E-08
4431	496863.1	3857877	4.91E-04	5.03E-04	4.75E-04	1.70E-07	5.14E-07	2.97E-07	3.05E-07	2.76E-07	1.26E-07	1.19E-07	0.00E+00	0.00E+00	5.47E-08	1.03E-08	6.56E-08	1.01E-08	9.20E-09	1.50E-07	1.55E-07	5.69E-08	7.74E-08	2.89E-08	1.55E-07	5.69E-08
4432	497363.1	3857877	4.86E-04	4.97E-04	4.69E-04	1.68E-07	5.08E-07	2.94E-07	3.01E-07	2.73E-07	1.24E-07	1.17E-07	0.00E+00	0.00E+00	5.41E-08	1.02E-08	6.48E-08	9.99E-09	9.09E-09	1.48E-07	1.53E-07	5.62E-08	7.65E-08	2.86E-08	1.53E-07	5.62E-08
4433	497863.1	3857877	5.11E-04	5.23E-04	4.93E-04	1.77E-07	5.34E-07	3.09E-07	3.16E-07	2.87E-07	1.31E-07	1.23E-07	0.00E+00	0.00E+00	5.68E-08	1.07E-08	6.82E-08	1.05E-08	9.56E-09	1.56E-07	1.61E-07	5.91E-08	8.04E-08	3.01E-08	1.61E-07	5.91E-08

4434	498363.1	3857877	5.34E-04	5.47E-04	5.16E-04	1.85E-07	5.58E-07	3.23E-07	3.31E-07	3.00E-07	1.37E-07	1.29E-07	0.00E+00	0.00E+00	5.95E-08	1.12E-08	7.13E-08	1.10E-08	1.00E-08	1.63E-07	1.69E-07	6.18E-08	8.42E-08	3.15E-08	1.69E-07	6.18E-08
4435	471363.1	3858377	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
4436	471863.1	3858377	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	0.00E+00	0.00E+00	1.99E-08	3.76E-09	2.38E-08	3.68E-09	3.34E-09	5.45E-08	5.64E-08	2.07E-08	2.81E-08	1.05E-08	5.64E-08	2.07E-08
4437	472363.1	3858377	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
4438	472863.1	3858377	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	0.00E+00	0.00E+00	2.07E-08	3.91E-09	2.48E-08	3.83E-09	3.48E-09	5.67E-08	5.87E-08	2.15E-08	2.93E-08	1.09E-08	5.87E-08	2.15E-08
4439	473363.1	3858377	1.96E-04	2.01E-04	1.90E-04	6.79E-08	2.05E-07	1.19E-07	1.22E-07	1.10E-07	5.03E-08	4.75E-08	0.00E+00	0.00E+00	2.19E-08	4.13E-09	2.62E-08	4.04E-09	3.68E-09	5.99E-08	6.20E-08	2.27E-08	3.09E-08	1.16E-08	6.20E-08	2.27E-08
4440	473863.1	3858377	1.96E-04	2.01E-04	1.90E-04	6.79E-08	2.05E-07	1.19E-07	1.22E-07	1.10E-07	5.03E-08	4.75E-08	0.00E+00	0.00E+00	2.19E-08	4.13E-09	2.62E-08	4.04E-09	3.68E-09	5.99E-08	6.20E-08	2.27E-08	3.09E-08	1.16E-08	6.20E-08	2.27E-08
4441	474363.1	3858377	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	0.00E+00	0.00E+00	2.05E-08	3.88E-09	2.46E-08	3.80E-09	3.45E-09	5.63E-08	5.82E-08	2.14E-08	2.91E-08	1.09E-08	5.82E-08	2.14E-08
4442	474863.1	3858377	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	0.00E+00	0.00E+00	1.92E-08	3.63E-09	2.30E-08	3.55E-09	3.23E-09	5.27E-08	5.45E-08	2.00E-08	2.72E-08	1.02E-08	5.45E-08	2.00E-08
4443	475363.1	3858377	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	0.00E+00	0.00E+00	1.71E-08	3.23E-09	2.05E-08	3.16E-09	2.87E-09	4.68E-08	4.84E-08	1.78E-08	2.42E-08	9.04E-09	4.84E-08	1.78E-08
4444	475863.1	3858377	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	0.00E+00	0.00E+00	1.59E-08	3.01E-09	1.91E-08	2.95E-09	2.68E-09	4.37E-08	4.52E-08	1.66E-08	2.26E-08	8.43E-09	4.52E-08	1.66E-08
4445	476363.1	3858377	1.48E-04	1.51E-04	1.43E-04	5.11E-08	1.54E-07	8.93E-08	9.15E-08	8.29E-08	3.78E-08	3.57E-08	0.00E+00	0.00E+00	1.64E-08	3.10E-09	1.97E-08	3.04E-09	2.76E-09	4.50E-08	4.66E-08	1.71E-08	2.33E-08	8.69E-09	4.66E-08	1.71E-08
4446	476863.1	3858377	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	0.00E+00	0.00E+00	1.71E-08	3.23E-09	2.05E-08	3.16E-09	2.87E-09	4.68E-08	4.84E-08	1.78E-08	2.42E-08	9.04E-09	4.84E-08	1.78E-08
4447	477363.1	3858377	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	0.00E+00	0.00E+00	1.74E-08	3.29E-09	2.09E-08	3.22E-09	2.93E-09	4.77E-08	4.94E-08	1.81E-08	2.46E-08	9.21E-09	4.94E-08	1.81E-08
4448	477863.1	3858377	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	0.00E+00	0.00E+00	1.91E-08	3.60E-09	2.29E-08	3.52E-09	3.21E-09	5.22E-08	5.40E-08	1.98E-08	2.70E-08	1.01E-08	5.40E-08	1.98E-08
4449	478363.1	3858377	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	0.00E+00	0.00E+00	2.00E-08	3.79E-09	2.40E-08	3.71E-09	3.37E-09	5.49E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
4450	478863.1	3858377	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	0.00E+00	0.00E+00	1.91E-08	3.60E-09	2.29E-08	3.52E-09	3.21E-09	5.22E-08	5.40E-08	1.98E-08	2.70E-08	1.01E-08	5.40E-08	1.98E-08
4451	479363.1	3858377	2.30E-04	2.36E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.43E-07	1.29E-07	5.90E-08	5.57E-08	0.00E+00	0.00E+00	2.56E-08	4.84E-09	3.07E-08	4.74E-09	4.31E-09	7.03E-08	7.27E-08	2.67E-08	3.63E-08	1.36E-08	7.27E-08	2.67E-08
4452	479863.1	3858377	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	0.00E+00	0.00E+00	3.34E-08	6.30E-09	4.00E-08	6.17E-09	5.61E-09	9.14E-08	9.46E-08	3.47E-08	4.72E-08	1.76E-08	9.46E-08	3.47E-08
4453	480363.1	3858377	3.39E-04	3.48E-04	3.28E-04	1.18E-07	3.55E-07	2.05E-07	2.10E-07	1.91E-07	8.70E-08	8.21E-08	0.00E+00	0.00E+00	3.78E-08	7.14E-09	4.53E-08	6.99E-09	6.36E-09	1.04E-07	1.07E-07	3.93E-08	5.35E-08	2.00E-08	1.07E-07	3.93E-08
4454	480863.1	3858377	3.57E-04	3.66E-04	3.45E-04	1.24E-07	3.73E-07	2.16E-07	2.21E-07	2.01E-07	9.16E-08	8.64E-08	0.00E+00	0.00E+00	3.98E-08	7.51E-09	4.77E-08	7.35E-09	6.69E-09	1.09E-07	1.13E-07	4.13E-08	5.63E-08	2.10E-08	1.13E-07	4.13E-08
4455	481363.1	3858377	3.81E-04	3.90E-04	3.68E-04	1.32E-07	3.98E-07	2.30E-07	2.36E-07	2.14E-07	9.76E-08	9.21E-08	0.00E+00	0.00E+00	4.24E-08	8.01E-09	5.08E-08	7.84E-09	7.13E-09	1.16E-07	1.20E-07	4.41E-08	6.00E-08	2.24E-08	1.20E-07	4.41E-08
4456	481863.1	3858377	3.97E-04	4.07E-04	3.84E-04	1.37E-07	4.15E-07	2.40E-07	2.46E-07	2.23E-07	1.02E-07	9.60E-08	0.00E+00	0.00E+00	4.42E-08	8.35E-09	5.30E-08	8.17E-09	7.43E-09	1.21E-07	1.25E-07	4.60E-08	6.25E-08	2.34E-08	1.25E-07	4.60E-08
4457	482363.1	3858377	4.31E-04	4.41E-04	4.16E-04	1.49E-07	4.50E-07	2.61E-07	2.67E-07	2.42E-07	1.10E-07	1.04E-07	0.00E+00	0.00E+00	4.80E-08	9.07E-09	5.75E-08	8.87E-09	8.07E-09	1.31E-07	1.36E-07	4.99E-08	6.79E-08	2.54E-08	1.36E-07	4.99E-08
4458	482863.1	3858377	4.89E-04	5.00E-04	4.72E-04	1.69E-07	5.11E-07	2.96E-07	3.03E-07	2.74E-07	1.25E-07	1.18E-07	0.00E+00	0.00E+00	5.44E-08	1.03E-08	6.52E-08	1.01E-08	9.15E-09	1.49E-07	1.54E-07	5.65E-08	7.70E-08	2.88E-08	1.54E-07	5.65E-08
4459	483363.1	3858377	5.42E-04	5.55E-04	5.23E-04	1.87E-07	5.66E-07	3.28E-07	3.36E-07	3.04E-07	1.39E-07	1.31E-07	0.00E+00	0.00E+00	6.03E-08	1.14E-08	7.23E-08	1.11E-08	1.01E-08	1.65E-07	1.71E-07	6.27E-08	8.53E-08	3.19E-08	1.71E-07	6.27E-08
4460	483863.1	3858377	5.89E-04	6.03E-04	5.69E-04	2.04E-07	6.15E-07	3.56E-07	3.65E-07	3.31E-07	1.51E-07	1.42E-07	0.00E+00	0.00E+00	6.56E-08	1.24E-08	7.86E-08	1.21E-08	1.10E-08	1.80E-07	1.86E-07	6.82E-08	9.28E-08	3.47E-08	1.86E-07	6.82E-08
4461	484363.1	3858377	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	0.00E+00	0.00E+00	7.26E-08	1.37E-08	8.71E-08	1.34E-08	1.22E-08	1.99E-07	2.06E-07	7.55E-08	1.03E-07	3.84E-08	2.06E-07	7.55E-08
4462	484863.1	3858377	7.48E-04	7.66E-04	7.23E-04	2.59E-07	7.82E-07	4.53E-07	4.64E-07	4.20E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.33E-08	1.57E-08	9.99E-08	1.54E-08	1.40E-08	2.28E-07	2.36E-07	8.66E-08	1.18E-07	4.40E-08	2.36E-07	8.66E-08
4463	485363.1	3858377	8.90E-04	9.12E-04	8.60E-04	3.08E-07	9.30E-07	5.38E-07	5.52E-07	5.00E-07	2.28E-07	2.15E-07	0.00E+00	0.00E+00	9.91E-08	1.87E-08	1.19E-07	1.83E-08	1.67E-08	2.72E-07	2.81E-07	1.03E-07	1.40E-07	5.24E-08	2.81E-07	1.03E-07
4464	485863.1	3858377	1.09E-03	1.11E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.74E-07	6.11E-07	2.79E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.29E-08	1.45E-07	2.24E-08	2.04E-08	3.32E-07	3.43E-07	1.26E-07	1.71E-07	6.40E-08	3.43E-07	1.26E-07
4465	486363.1	3858377	1.40E-03	1.44E-03	1.35E-03	4.85E-07	1.47E-06	8.48E-07	8.69E-07	7.88E-07	3.59E-07	3.39E-07	0.00E+00	0.00E+00	1.56E-07	2.95E-08	1.87E-07	2.89E-08	2.63E-08	4.28E-07	4.43E-07	1.62E-07	2.21E-07	8.25E-08	4.43E-07	1.62E-07
4466	486863.1	3858377	2.02E-03	2.07E-03	1.95E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.14E-06	5.18E-07	4.89E-07	0.00E+00	0.00E+00	2.25E-07	4.25E-08	2.70E-07	4.16E-08	3.79E-08	6.17E-07	6.38E-07	2.34E-07	3.19E-07	1.19E-07	6.38E-07	2.34E-07
4467	487363.1	3858377	4.00E-03	4.10E-03	3.87E-03	1.39E-06	4.18E-06	2.42E-06	2.48E-06	2.25E-06	1.03E-06	9.67E-07	0.00E+00	0.00E+00	4.45E-07	8.42E-08	5.34E-07	8.24E-08	7.49E-08	1.22E-06	1.26E-06	4.63E-07	6.30E-07	2.36E-07	1.26E-06	4.63E-07
4468	487863.1	3858377	6.80E-02	6.97E-02	6.57E-02	2.36E-05	7.11E-05	4.12E-05	4.22E-05	3.82E-05	1.74E-05	1.64E-05	0.00E+00	0.00E+00	7.57E-06	1.43E-06	9.08E-06	1.40E-06	1.27E-06	2.08E-05	2.15E-05	7.88E-06	1.07E-05	4.00E-06	2.15E-05	7.88E-06
4469	488363.1	3858377	9.33E-03	9.56E-03	9.02E-03	3.23E-06	9.76E-06	5.65E-06	5.79E-06	5.24E-06	2.39E-06	2.26E-06	0.00E+00	0.00E+00	1.04E-06	1.96E-07	1.25E-06	1.92E-07	1.75E-07	2.85E-06	2.95E-06	1.08E-06	1.47E-06	5.50E-07	2.95E-06	1.08E-06
4470	488863.1	3858377	5.00E-03	5.12E-03	4.83E-03	1.73E-06	5.23E-06	3.03E-06	3.10E-06	2.81E-06	1.28E-06	1.21E-06	0.00E+00	0.00E+00	5.57E-07	1.05E-07	6.68E-07	1.03E-07	9.37E-08	1.53E-06	1.58E-06	5.79E-07	7.88E-07	2.95E-07	1.58E-06	5.79E-07
4471	489363.1	3858377	3.47E-03	3.55E-03	3.35E-03	1.20E-06	3.63E-06	2.10E-06	2.15E-06	1.95E-06	8.89E-07	8.39E-07	0.00E+00	0.00E+00	3.86E-07	7.30E-08	4.63E-07	7.14E-08	6.49E-08	1.06E-06	1.09E-06	4.01E-07	5.46E-07	2.04E-07	1.09E-06	4.01E-07
4472	489863.1	3858377	2.69E-03	2.76E-03	2.60E-03	9.32E-07	2.81E-06	1.63E-06	1.67E-06	1.51E-06	6.90E-07	6.51E-07	0.00E+00	0.00E+00	3.00E-07	5.66E-08	3.59E-07	5.54E-08	5.04E-08	8.21E-07	8.50E-07	3.12E-07	4.24E-07	1.58E-07	8.50E-07	3.12E-07
4473	490363.1	3858377	2.22E-03	2.27E-03	2.14E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.25E-06	5.68E-07	5.36E-07	0.00E+00	0.00E+00	2.47E-07	4.66E-08	2.96E-07	4.56E-08	4.15E-08	6.76E-07	7.00E-07	2.57E-07	3.49E-07	1.30E-07	7.00E-07	2.57E-07
4474	490863.1	3858377	1.89E-03	1.94E-03	1.83E-03	6.55E-07	1.98E-06	1.14E-06	1.17E-06	1.06E-06	4.85E-07	4.57E-07	0.00E+00	0.00E+00	2.11E-07	3.98E-08	2.53E-07	3.89E-08	3.54E-08	5.77E-07	5.97E-07	2.19E-07	2.98E-07	1.11E-07	5.97E-07	2.19E-07
4475	491363.1	3858377	1.55E-03	1.58E-03	1.49E-03	5.35E-07	1.62E-06	9.36E-07	9.59E-07	8.69E-07	3.96E-07	3.74E-07	0.00E+00	0.00E+00	1.72E-07	3.25E-08	2.06E-07	3.18E-08	2.90E-08	4.72E-07	4.88E-07	1.79E-07	2.44E-07	9.11E-08	4.88E-07	1.79E-07
4476	491863.1	3858377	1.17E-03	1.20E-03	1.13E-03	4.04E-07	1.22E-06	7.06E-07	7.23E-07	6.56E-07	2.99E-07	2.82E-07	0.00E+00	0.00E+00	1.30E-07	2.46E-08	1.56E-07	2.40E-08	2.19E-08	3.56E-07	3.68E-07	1.35E-07	1.84E-07	6.87E-08	3.68E-07	1.35E-07
4477	492363.1	3858377	9.03E-04	9.25E-04	8.73E-04	3.13E-07	9.44E-07	5.47E-07	5.60E-07	5.07E-07	2.32E-07	2.18E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.69E-08	2.76E-07	2.85E-07	1.05E-07	1.42E-07	5.32E-08	2.85E-07	1.05E-07
4478	492863.1	3858377	8.86E-04	9.07E-04	8.56E-04	3.07E-07	9.26E-07	5.36E-07	5.49E-07	4.97E-07	2.27E-07	2.14E-07	0.00E+00	0.00E+00	9.86E-08	1.86E-08	1.18E-07	1.82E-08	1.66E-08	2.70E-07	2.79E-07	1.03E-07	1.40E-07	5.21E-08	2.79E-07	1.03E-07
4479	493363.1	3858377	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	0.00E+00	0.00E+00	8.82E-08	1.67E-08	1.06E-07	1.63E-08	1.48E-08	2.42E-07	2.50E-07	9.17E-08	1.25E-07	4.67E-08	2.50E-07	9.17E-08
4480	493863.1	3858377	7.31E-04	7.48E-04	7.06E-04	2.53E-07	7.64E-07	4.42E-07	4.53E-07	4.10E-07	1.87E-07	1.77E-07	0.00E+00	0.00E+00	8.13E-08	1.54E-08	9.75E-08	1.50E-08	1.37E-08	2.23E-07	2.31E-07	8.46E-08	1.15E-07	4.30E-08	2.31E-07	8.46E-08
4481	494363.1	3858377	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	0.00E+00	0.00E+00	7.48E-08	1.41E-08	8.96E-08	1.38E-08	1.26E-08	2.05E-07	2.12E-07	7.77E-08	1.06E-07	3.95E-08	2.12E-07	7.77E-08
4482	494863.1	3858377	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	0.00E+00	0.00E+00	7.00E-08	1.32E-08	8.39E-08	1.29E-08	1.18E-08	1.92E-07	1.98E-07	7.28E-08	9.90E-08	3.70E-08	1.98E-07	7.28E-08
4483	495363.1	3858377	5.84E-04	5.99E-04	5.65E-04	2.02E-07	6.11E-07	3.54E-07	3.62E-07	3.28E-07	1.50E-07	1.41E-07	0.00E+00	0.00E+00	6.51E-08	1.23E-08	7.80E-08	1.20E-08	1.09E-08	1.78E-07	1.84E-07	6.77E-08	9.21E-08	3.44E-08	1.84E-07	6.77E-08
4484	495863.1	3858377	5.68E-04	5.82E-04	5.49E-04	1.97E-07	5.94E-07	3.44E-07	3.52E-07	3.19E-07	1.46E-07	1.37E-07	0.00E+00	0.00E+00	6.33E-08	1.20E-08	7.58E-08	1.17E-08	1.06E-08	1.73E-07	1.79E-07	6.58E-08	8.95E-08	3.34E-08	1.79E-07	6.58E-08
4485	496363.1	3858377	5.52E-04	5.65E-04	5.33E-04	1.91E-07	5.77E-07	3.34E-07	3.42E-07	3.10E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.14E-08	1.16E-08	7.37E-08	1.14E-08	1.03E-08	1.68E-07	1.74E-07	6.39E-08	8.70E-08	3.25E-08	1.74E-07	6.39E-08
4486	496863.1	3858377	5.55E-04	5.68E-04	5.36E-04	1.92E-07	5.80E-07	3.36E-07	3.44E-07	3.12E-07	1.42E-07	1.34E-07	0.00E+00	0.00E+00	6.18E-08	1.17E-08	7.41E-08	1.14E-08	1.04E-08	1.69E-07	1.75E-07	6.42E-08	8.74E-08	3.27E-08	1.75E-07	6.42E-08
4487	497363.1	3858377	5.49E-04	5.62E-04	5.30E-04	1.90E-07	5.74E-07	3.32E-07	3.40E-07	3.08E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.11E-08	1.15E-08	7.33E-08	1.13E-08	1.03E-08	1.68E-07	1.73E-07	6.36E-08	8.65E-08	3.23E-08	1.73E-07	6.36E-08
4488	497863.1	3858377	5.71E-04	5.85E-04	5.52E-04	1.98E-07	5.97E-07	3.46E-07	3.54E-07	3.21E-07	1.46E-07	1.38E-07	0.00E+00	0.00E+00	6.36E-08	1.20E-08	7.62E-08	1.18E-08	1.07E-08	1.74E-07	1.80E-07	6.61E-08	9.00E-08	3.36E-08	1.80E-07	6.61E-08
4489	498363.1	3858377	6.04E-04	6.18E-04	5.83E-04	2.09E-07	6.31E-07	3.65E-07	3.74E-07	3.39E-07	1.55E-07	1.46E-07	0.00E+00	0.00E+00	6.72E-08	1.27E-08	8.06E-08	1.24E-08	1.13E-08	1.84E-07	1.91E-07	6.99E-08	9.51E-08	3.55E-08	1.91E-07	6.99E-08
4490	471363.1	3858877	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	0.00E+00	0.00E+00	1.91E-08	3.60E-09	2.29E-08	3.52E-09	3.21E-09	5.22E-08	5.40E-08	1.98E-08	2.70E-08	1.01E-08	5.40E-08	1.98E-08
4491	471863.1	3858877	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	0.00E+00	0.00E+00	1.94E-08	3.66E-09	2.32E-08	3.58E-09	3.26E-09	5.31E-08	5.50E-08	2.02E-08	2.74E-08	1.03E-08	5.50E-08	2.02E-08
4492	472363.1	3858877	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	0.00E+00	0.00E+00	2.00E-08	3.79E-09	2.40E-08	3.71E-09	3.37E-09	5.49E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
4493	472863.1	3858877	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	0.00E+00	0.00E+00	2.05E-08	3.88E-09	2.46E-08	3.80E-09	3.45E-09	5.63E-08	5.82E-08	2.14E-08	2.91E-08	1.09E-08	5.82E-08	2.14E-08
4494	473363.1	3858877	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	0.00E+00	0.00E+00	2.14E-08	4.04E-09	2.56E-08	3.95E-09	3.59E-09	5.85E-08	6.06E-08	2.22E-08	3.02E-08	1.13E-08	6.06E-08	2.22E-08
4495	473863.1	3858877	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	0.00E+00	0.00E+00	2.15E-08	4.07E-09	2.58E-08	3.98E-09	3.62E-09	5.90E-08	6.10E-08	2.24E-08	3.05E-08	1.14E-08	6.10E-08	2.24E-08
4496	474363.1	3858877	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	0.00E+00	0.00E+00	2.04E-08	3.85E-09	2.44E-08	3.77E-09	3.43E-09	5.58E-08	5.78E-08	2.12E-08	2.88E-08	1.08E-08	5.78E-08	2.12E-08
4497	474863.1	3858877	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	0.00E+00	0.00E+00	1.61E-08	3.04E-09	1.93E-08	2.98E-09	2.71E-09	4.41E-08	4.56E-08	1.67E-08	2.28E-08	8.51E-09	4.56E-08	1.67E-08
4498	475363.1	3858877	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	0.00E+00	0.00E+00	1.51E-08	2.86E-09	1.81E-08	2.79E-09	2.54E-09	4.14E-08	4.29E-08	1.57E-08	2.14E-08	7.99E-09	4.29E-08	1.57E-08
4499	475863.1	3858877	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.98E-09	1.89E-08	2.92E-09	2.65E-09	4.32E-08	4.47E-08	1.64E-08	2.23E-08	8.34E-09	4.47E-08	1.64E-08
4500	476363.1	3858877	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	0.00E+00	0.00E+00	1.43E-08	2.70E-09	1.71E-08	2.64E-09	2.40E-09	3.92E-08	4.05E-08	1.49E-08	2.02E-08	7.56E-09	4.05E-08	1.49E-08
4501	476863.1	3858877	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	0.00E+00	0.00E+00	1.54E-08	2.92E-09	1.85E-08	2.86E-09	2.60E-09	4.23E-08	4.38E-08	1.61E-08	2.19E-08	8.17E-09	4.38E-08	1.61E-08
4502	477363.1	3858877	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.98E-09	1.89E-08	2.92E-09	2.65E-09	4.32E-08	4.47E-08	1.64E-08	2.23E-08	8.34E-09	4.47E-08	1.64E-08
4503	477863.1	3858877	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	0.00E+00	0.00E+00	1.69E-08	3.20E-09	2.03E-08	3.13E-09	2.85E-09	4.64E-08	4.80E-08	1.76E-08	2.39E-08	8.95E-09	4.80E-08	1.76E-08
4504	478363.1	3858877	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	0.00E+00	0.00E+00	2.05E-08	3.88E-09	2.46E-08	3.80E-09	3.45E-09	5.63E-08	5.82E-08	2.14E-08	2.91E-08	1.09E-08	5.82E-08	2.14E-08
4505	478863.1	3858877	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
4506	479363.1	3858877	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	0.00E+00	0.00E+00	2.00E-08	3.79E-09	2.40E-08	3.71E-09	3.37E-09	5.49E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
4507	479863.1	3858877	2.88E-04	2.95E-04	2.78E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.62E-07	7.38E-08	6.96E-08	0.00E+00	0.00E+00	3.20E-08	6.05E-09	3.84E-08	5.92E-09	5.39E-09	8.78E-08	9.08E-08	3.33E-08	4.53E-08	1.69E-08	9.08E-08	3.33E-08

4508	480363.1	3858877	3.13E-04	3.20E-04	3.02E-04	1.08E-07	3.27E-07	1.89E-07	1.94E-07	1.76E-07	8.02E-08	7.57E-08	0.00E+00	0.00E+00	3.48E-08	6.58E-09	4.18E-08	6.44E-09	5.86E-09	9.55E-08	9.88E-08	3.62E-08	4.93E-08	1.84E-08	9.88E-08	3.62E-08
4509	480863.1	3858877	3.34E-04	3.42E-04	3.22E-04	1.15E-07	3.49E-07	2.02E-07	2.07E-07	1.87E-07	8.55E-08	8.06E-08	0.00E+00	0.00E+00	3.71E-08	7.02E-09	4.45E-08	6.87E-09	6.24E-09	1.02E-07	1.05E-07	3.86E-08	5.25E-08	1.96E-08	1.05E-07	3.86E-08
4510	481363.1	3858877	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	0.00E+00	0.00E+00	3.93E-08	7.42E-09	4.71E-08	7.26E-09	6.60E-09	1.08E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
4511	481863.1	3858877	3.73E-04	3.82E-04	3.61E-04	1.29E-07	3.90E-07	2.26E-07	2.31E-07	2.10E-07	9.57E-08	9.03E-08	0.00E+00	0.00E+00	4.16E-08	7.85E-09	4.98E-08	7.69E-09	6.99E-09	1.14E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
4512	482363.1	3858877	3.98E-04	4.08E-04	3.85E-04	1.38E-07	4.16E-07	2.41E-07	2.47E-07	2.24E-07	1.02E-07	9.64E-08	0.00E+00	0.00E+00	4.44E-08	8.38E-09	5.32E-08	8.20E-09	7.46E-09	1.22E-07	1.26E-07	4.61E-08	6.28E-08	2.35E-08	1.26E-07	4.61E-08
4513	482863.1	3858877	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	0.00E+00	0.00E+00	4.75E-08	8.97E-09	5.69E-08	8.78E-09	7.99E-09	1.30E-07	1.35E-07	4.94E-08	6.72E-08	2.51E-08	1.35E-07	4.94E-08
4514	483363.1	3858877	4.99E-04	5.11E-04	4.82E-04	1.73E-07	5.21E-07	3.02E-07	3.09E-07	2.80E-07	1.28E-07	1.21E-07	0.00E+00	0.00E+00	5.55E-08	1.05E-08	6.66E-08	1.03E-08	9.34E-09	1.52E-07	1.57E-07	5.77E-08	7.86E-08	2.94E-08	1.57E-07	5.77E-08
4515	483863.1	3858877	5.33E-04	5.46E-04	5.15E-04	1.84E-07	5.57E-07	3.22E-07	3.30E-07	2.99E-07	1.37E-07	1.29E-07	0.00E+00	0.00E+00	5.93E-08	1.12E-08	7.11E-08	1.10E-08	9.98E-09	1.63E-07	1.68E-07	6.17E-08	8.39E-08	3.14E-08	1.68E-07	6.17E-08
4516	484363.1	3858877	5.73E-04	5.87E-04	5.53E-04	1.98E-07	5.99E-07	3.46E-07	3.55E-07	3.22E-07	1.47E-07	1.38E-07	0.00E+00	0.00E+00	6.37E-08	1.20E-08	7.64E-08	1.18E-08	1.07E-08	1.75E-07	1.81E-07	6.63E-08	9.02E-08	3.37E-08	1.81E-07	6.63E-08
4517	484863.1	3858877	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.95E-08	1.31E-08	8.33E-08	1.29E-08	1.17E-08	1.90E-07	1.97E-07	7.23E-08	9.83E-08	3.68E-08	1.97E-07	7.23E-08
4518	485363.1	3858877	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	0.00E+00	0.00E+00	7.85E-08	1.48E-08	9.42E-08	1.45E-08	1.32E-08	2.15E-07	2.23E-07	8.17E-08	1.11E-07	4.15E-08	2.23E-07	8.17E-08
4519	485863.1	3858877	8.16E-04	8.36E-04	7.88E-04	2.83E-07	8.53E-07	4.94E-07	5.06E-07	4.59E-07	2.09E-07	1.97E-07	0.00E+00	0.00E+00	9.09E-08	1.72E-08	1.09E-07	1.68E-08	1.53E-08	2.49E-07	2.58E-07	9.45E-08	1.29E-07	4.80E-08	2.58E-07	9.45E-08
4520	486363.1	3858877	9.58E-04	9.81E-04	9.25E-04	3.32E-07	1.00E-06	5.80E-07	5.94E-07	5.38E-07	2.46E-07	2.32E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.28E-07	1.97E-08	1.79E-08	2.92E-07	3.02E-07	1.11E-07	1.51E-07	5.64E-08	3.02E-07	1.11E-07
4521	486863.1	3858877	1.17E-03	1.19E-03	1.13E-03	4.04E-07	1.22E-06	7.05E-07	7.23E-07	6.55E-07	2.99E-07	2.82E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.56E-07	2.40E-08	2.18E-08	3.56E-07	3.68E-07	1.35E-07	1.84E-07	6.86E-08	3.68E-07	1.35E-07
4522	487363.1	3858877	1.53E-03	1.57E-03	1.48E-03	5.30E-07	1.60E-06	9.26E-07	9.48E-07	8.60E-07	3.92E-07	3.70E-07	0.00E+00	0.00E+00	1.70E-07	3.22E-08	2.04E-07	3.15E-08	2.87E-08	4.67E-07	4.83E-07	1.77E-07	2.41E-07	9.01E-08	4.83E-07	1.77E-07
4523	487863.1	3858877	2.26E-03	2.31E-03	2.18E-03	7.82E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.79E-07	5.46E-07	0.00E+00	0.00E+00	2.52E-07	4.75E-08	3.02E-07	4.65E-08	4.23E-08	6.89E-07	7.13E-07	2.62E-07	3.56E-07	1.33E-07	7.13E-07	2.62E-07
4524	488363.1	3858877	5.08E-03	5.20E-03	4.91E-03	1.76E-06	5.31E-06	3.07E-06	3.15E-06	2.85E-06	1.30E-06	1.23E-06	0.00E+00	0.00E+00	5.65E-07	1.07E-07	6.78E-07	1.05E-07	9.51E-08	1.55E-06	1.60E-06	5.88E-07	8.00E-07	2.99E-07	1.60E-06	5.88E-07
4525	488863.1	3858877	3.50E-02	3.58E-02	3.38E-02	1.21E-05	3.66E-05	2.12E-05	2.17E-05	1.97E-05	8.97E-06	8.46E-06	0.00E+00	0.00E+00	3.89E-06	7.36E-07	4.67E-06	7.20E-07	6.55E-07	1.07E-05	1.10E-05	4.05E-06	5.51E-06	2.06E-06	1.10E-05	4.05E-06
4526	489363.1	3858877	8.04E-03	8.24E-03	7.77E-03	2.78E-06	8.41E-06	4.87E-06	4.98E-06	4.52E-06	2.06E-06	1.94E-06	0.00E+00	0.00E+00	8.95E-07	1.69E-07	1.07E-06	1.66E-07	1.51E-07	2.45E-06	2.54E-06	9.31E-07	1.27E-06	4.74E-07	2.54E-06	9.31E-07
4527	489863.1	3858877	4.65E-03	4.77E-03	4.50E-03	1.61E-06	4.86E-06	2.82E-06	2.88E-06	2.61E-06	1.19E-06	1.13E-06	0.00E+00	0.00E+00	5.18E-07	9.79E-08	6.21E-07	9.58E-08	8.71E-08	1.42E-06	1.47E-06	5.39E-07	7.33E-07	2.74E-07	1.47E-06	5.39E-07
4528	490363.1	3858877	3.23E-03	3.31E-03	3.12E-03	1.12E-06	3.38E-06	1.96E-06	2.00E-06	1.82E-06	8.29E-07	7.82E-07	0.00E+00	0.00E+00	3.60E-07	6.80E-08	4.32E-07	6.66E-08	6.05E-08	9.87E-07	1.02E-06	3.74E-07	5.09E-07	1.90E-07	1.02E-06	3.74E-07
4529	490863.1	3858877	2.29E-03	2.35E-03	2.21E-03	7.93E-07	2.39E-06	1.39E-06	1.42E-06	1.29E-06	5.87E-07	5.54E-07	0.00E+00	0.00E+00	2.55E-07	4.82E-08	3.06E-07	4.71E-08	4.29E-08	6.99E-07	7.23E-07	2.65E-07	3.61E-07	1.35E-07	7.23E-07	2.65E-07
4530	491363.1	3858877	1.63E-03	1.67E-03	1.58E-03	5.66E-07	1.71E-06	9.89E-07	1.01E-06	9.18E-07	4.19E-07	3.95E-07	0.00E+00	0.00E+00	1.82E-07	3.44E-08	2.18E-07	3.36E-08	3.06E-08	4.99E-07	5.16E-07	1.89E-07	2.57E-07	9.62E-08	5.16E-07	1.89E-07
4531	491863.1	3858877	1.24E-03	1.27E-03	1.20E-03	4.29E-07	1.30E-06	7.50E-07	7.68E-07	6.96E-07	3.18E-07	3.00E-07	0.00E+00	0.00E+00	1.38E-07	2.61E-08	1.65E-07	2.55E-08	2.32E-08	3.78E-07	3.91E-07	1.44E-07	1.95E-07	7.30E-08	3.91E-07	1.44E-07
4532	492363.1	3858877	1.21E-03	1.24E-03	1.17E-03	4.20E-07	1.27E-06	7.34E-07	7.52E-07	6.82E-07	3.11E-07	2.93E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.50E-08	2.27E-08	3.70E-07	3.83E-07	1.40E-07	1.91E-07	7.14E-08	3.83E-07	1.40E-07
4533	492863.1	3858877	1.23E-03	1.26E-03	1.19E-03	4.27E-07	1.29E-06	7.46E-07	7.64E-07	6.92E-07	3.16E-07	2.98E-07	0.00E+00	0.00E+00	1.37E-07	2.59E-08	1.64E-07	2.54E-08	2.31E-08	3.76E-07	3.89E-07	1.43E-07	1.94E-07	7.25E-08	3.89E-07	1.43E-07
4534	493363.1	3858877	1.09E-03	1.11E-03	1.05E-03	3.76E-07	1.14E-06	6.57E-07	6.73E-07	6.10E-07	2.78E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.24E-08	2.03E-08	3.31E-07	3.43E-07	1.26E-07	1.71E-07	6.39E-08	3.43E-07	1.26E-07
4535	493863.1	3858877	9.25E-04	9.48E-04	8.94E-04	3.20E-07	9.67E-07	5.60E-07	5.73E-07	5.20E-07	2.37E-07	2.24E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.24E-07	1.90E-08	1.73E-08	2.82E-07	2.92E-07	1.07E-07	1.46E-07	5.45E-08	2.92E-07	1.07E-07
4536	494363.1	3858877	8.44E-04	8.65E-04	8.16E-04	2.92E-07	8.82E-07	5.11E-07	5.23E-07	4.74E-07	2.16E-07	2.04E-07	0.00E+00	0.00E+00	9.40E-08	1.78E-08	1.13E-07	1.74E-08	1.58E-08	2.58E-07	2.66E-07	9.77E-08	1.33E-07	4.97E-08	2.66E-07	9.77E-08
4537	494863.1	3858877	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.54E-08	1.61E-08	1.02E-07	1.58E-08	1.44E-08	2.34E-07	2.42E-07	8.88E-08	1.21E-07	4.52E-08	2.42E-07	8.88E-08
4538	495363.1	3858877	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	0.00E+00	0.00E+00	7.85E-08	1.48E-08	9.42E-08	1.45E-08	1.32E-08	2.15E-07	2.23E-07	8.17E-08	1.11E-07	4.15E-08	2.23E-07	8.17E-08
4539	495863.1	3858877	6.67E-04	6.83E-04	6.44E-04	2.31E-07	6.97E-07	4.04E-07	4.13E-07	3.75E-07	1.71E-07	1.61E-07	0.00E+00	0.00E+00	7.43E-08	1.40E-08	8.90E-08	1.37E-08	1.25E-08	2.04E-07	2.11E-07	7.72E-08	1.05E-07	3.93E-08	2.11E-07	7.72E-08
4540	496363.1	3858877	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	0.00E+00	0.00E+00	7.20E-08	1.36E-08	8.63E-08	1.33E-08	1.21E-08	1.97E-07	2.04E-07	7.48E-08	1.02E-07	3.81E-08	2.04E-07	7.48E-08
4541	496863.1	3858877	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.33E-08	8.41E-08	1.30E-08	1.18E-08	1.92E-07	1.99E-07	7.30E-08	9.93E-08	3.71E-08	1.99E-07	7.30E-08
4542	497363.1	3858877	6.15E-04	6.30E-04	5.95E-04	2.13E-07	6.43E-07	3.72E-07	3.81E-07	3.46E-07	1.58E-07	1.49E-07	0.00E+00	0.00E+00	6.85E-08	1.29E-08	8.21E-08	1.27E-08	1.15E-08	1.88E-07	1.94E-07	7.12E-08	9.70E-08	3.62E-08	1.94E-07	7.12E-08
4543	497863.1	3858877	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	0.00E+00	0.00E+00	7.16E-08	1.35E-08	8.59E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.45E-08	1.01E-07	3.79E-08	2.03E-07	7.45E-08
4544	498363.1	3858877	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.52E-08	1.42E-08	9.02E-08	1.39E-08	1.27E-08	2.06E-07	2.13E-07	7.82E-08	1.06E-07	3.98E-08	2.13E-07	7.82E-08
4545	471363.1	3859377	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
4546	471863.1	3859377	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	0.00E+00	0.00E+00	1.91E-08	3.60E-09	2.29E-08	3.52E-09	3.21E-09	5.22E-08	5.40E-08	1.98E-08	2.70E-08	1.01E-08	5.40E-08	1.98E-08
4547	472363.1	3859377	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
4548	472863.1	3859377	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
4549	473363.1	3859377	1.87E-04	1.92E-04	1.81E-04	6.49E-08	1.96E-07	1.13E-07	1.16E-07	1.05E-07	4.80E-08	4.53E-08	0.00E+00	0.00E+00	2.09E-08	3.94E-09	2.50E-08	3.86E-09	3.51E-09	5.72E-08	5.92E-08	2.17E-08	2.95E-08	1.10E-08	5.92E-08	2.17E-08
4550	473863.1	3859377	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	0.00E+00	0.00E+00	2.12E-08	4.00E-09	2.54E-08	3.92E-09	3.56E-09	5.81E-08	6.01E-08	2.20E-08	3.00E-08	1.12E-08	6.01E-08	2.20E-08
4551	474363.1	3859377	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	0.00E+00	0.00E+00	2.00E-08	3.79E-09	2.40E-08	3.71E-09	3.37E-09	5.49E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
4552	474863.1	3859377	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	0.00E+00	0.00E+00	1.79E-08	3.38E-09	2.15E-08	3.31E-09	3.01E-09	4.91E-08	5.08E-08	1.86E-08	2.53E-08	9.47E-09	5.08E-08	1.86E-08
4553	475363.1	3859377	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.98E-09	1.89E-08	2.92E-09	2.65E-09	4.32E-08	4.47E-08	1.64E-08	2.23E-08	8.34E-09	4.47E-08	1.64E-08
4554	475863.1	3859377	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	0.00E+00	0.00E+00	1.43E-08	2.70E-09	1.71E-08	2.64E-09	2.40E-09	3.92E-08	4.05E-08	1.49E-08	2.02E-08	7.56E-09	4.05E-08	1.49E-08
4555	476363.1	3859377	1.27E-04	1.30E-04	1.23E-04	4.39E-08	1.33E-07	7.68E-08	7.87E-08	7.13E-08	3.25E-08	3.07E-08	0.00E+00	0.00E+00	1.41E-08	2.67E-09	1.69E-08	2.61E-09	2.38E-09	3.87E-08	4.01E-08	1.47E-08	2.00E-08	7.47E-09	4.01E-08	1.47E-08
4556	476863.1	3859377	1.22E-04	1.25E-04	1.18E-04	4.24E-08	1.28E-07	7.41E-08	7.59E-08	6.88E-08	3.14E-08	2.96E-08	0.00E+00	0.00E+00	1.36E-08	2.58E-09	1.64E-08	2.52E-09	2.29E-09	3.74E-08	3.87E-08	1.42E-08	1.93E-08	7.21E-09	3.87E-08	1.42E-08
4557	477363.1	3859377	1.27E-04	1.30E-04	1.23E-04	4.39E-08	1.33E-07	7.68E-08	7.87E-08	7.13E-08	3.25E-08	3.07E-08	0.00E+00	0.00E+00	1.41E-08	2.67E-09	1.69E-08	2.61E-09	2.38E-09	3.87E-08	4.01E-08	1.47E-08	2.00E-08	7.47E-09	4.01E-08	1.47E-08
4558	477863.1	3859377	1.48E-04	1.51E-04	1.43E-04	5.11E-08	1.54E-07	8.93E-08	9.15E-08	8.29E-08	3.78E-08	3.57E-08	0.00E+00	0.00E+00	1.64E-08	3.10E-09	1.97E-08	3.04E-09	2.76E-09	4.50E-08	4.66E-08	1.71E-08	2.33E-08	8.69E-09	4.66E-08	1.71E-08
4559	478363.1	3859377	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	0.00E+00	0.00E+00	1.87E-08	3.54E-09	2.25E-08	3.46E-09	3.15E-09	5.13E-08	5.31E-08	1.95E-08	2.65E-08	9.90E-09	5.31E-08	1.95E-08
4560	478863.1	3859377	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	0.00E+00	0.00E+00	2.20E-08	4.16E-09	2.64E-08	4.07E-09	3.70E-09	6.03E-08	6.24E-08	2.29E-08	3.12E-08	1.16E-08	6.24E-08	2.29E-08
4561	479363.1	3859377	2.30E-04	2.36E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.43E-07	1.29E-07	5.90E-08	5.57E-08	0.00E+00	0.00E+00	2.56E-08	4.84E-09	3.07E-08	4.74E-09	4.31E-09	7.03E-08	7.27E-08	2.67E-08	3.63E-08	1.36E-08	7.27E-08	2.67E-08
4562	479863.1	3859377	2.60E-04	2.66E-04	2.51E-04	8.99E-08	2.71E-07	1.57E-07	1.61E-07	1.46E-07	6.66E-08	6.28E-08	0.00E+00	0.00E+00	2.89E-08	5.46E-09	3.47E-08	5.35E-09	4.86E-09	7.93E-08	8.20E-08	3.01E-08	4.09E-08	1.53E-08	8.20E-08	3.01E-08
4563	480363.1	3859377	2.88E-04	2.95E-04	2.78E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.62E-07	7.38E-08	6.96E-08	0.00E+00	0.00E+00	3.20E-08	6.05E-09	3.84E-08	5.92E-09	5.39E-09	8.78E-08	9.08E-08	3.33E-08	4.53E-08	1.69E-08	9.08E-08	3.33E-08
4564	480863.1	3859377	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	0.00E+00	0.00E+00	3.45E-08	6.52E-09	4.14E-08	6.38E-09	5.80E-09	9.46E-08	9.78E-08	3.59E-08	4.88E-08	1.82E-08	9.78E-08	3.59E-08
4565	481363.1	3859377	3.28E-04	3.36E-04	3.17E-04	1.13E-07	3.42E-07	1.98E-07	2.03E-07	1.84E-07	8.40E-08	7.92E-08	0.00E+00	0.00E+00	3.65E-08	6.89E-09	4.37E-08	6.74E-09	6.13E-09	1.00E-07	1.03E-07	3.79E-08	5.16E-08	1.93E-08	1.03E-07	3.79E-08
4566	481863.1	3859377	3.45E-04	3.54E-04	3.34E-04	1.20E-07	3.61E-07	2.09E-07	2.14E-07	1.94E-07	8.85E-08	8.35E-08	0.00E+00	0.00E+00	3.84E-08	7.26E-09	4.61E-08	7.11E-09	6.47E-09	1.05E-07	1.09E-07	4.00E-08	5.44E-08	2.03E-08	1.09E-07	4.00E-08
4567	482363.1	3859377	3.66E-04	3.75E-04	3.54E-04	1.27E-07	3.83E-07	2.21E-07	2.27E-07	2.06E-07	9.38E-08	8.85E-08	0.00E+00	0.00E+00	4.07E-08	7.70E-09	4.89E-08	7.53E-09	6.85E-09	1.12E-07	1.16E-07	4.24E-08	5.77E-08	2.15E-08	1.16E-07	4.24E-08
4568	482863.1	3859377	3.90E-04	3.99E-04	3.76E-04	1.35E-07	4.07E-07	2.36E-07	2.41E-07	2.19E-07	9.99E-08	9.42E-08	0.00E+00	0.00E+00	4.34E-08	8.20E-09	5.20E-08	8.02E-09	7.29E-09	1.19E-07	1.23E-07	4.51E-08	6.14E-08	2.29E-08	1.23E-07	4.51E-08
4569	483363.1	3859377	4.32E-04	4.43E-04	4.18E-04	1.50E-07	4.52E-07	2.62E-07	2.68E-07	2.43E-07	1.11E-07	1.05E-07	0.00E+00	0.00E+00	4.81E-08	9.10E-09	5.77E-08	8.90E-09	8.10E-09	1.32E-07	1.36E-07	5.01E-08	6.81E-08	2.55E-08	1.36E-07	5.01E-08
4570	483863.1	3859377	4.68E-04	4.79E-04	4.52E-04	1.62E-07	4.89E-07	2.83E-07	2.90E-07	2.63E-07	1.20E-07	1.13E-07	0.00E+00	0.00E+00	5.21E-08	9.84E-09	6.24E-08	9.63E-09	8.76E-09	1.43E-07	1.48E-07	5.42E-08	7.37E-08	2.75E-08	1.48E-07	5.42E-08
4571	484363.1	3859377	5.06E-04	5.18E-04	4.89E-04	1.75E-07	5.29E-07	3.06E-07	3.14E-07	2.84E-07	1.30E-07	1.22E-07	0.00E+00	0.00E+00	5.64E-08	1.06E-08	6.76E-08	1.04E-08	9.48E-09	1.54E-07	1.60E-07	5.86E-08	7.97E-08	2.98E-08	1.60E-07	5.86E-08
4572	484863.1	3859377	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	0.00E+00	0.00E+00	6.13E-08	1.16E-08	7.35E-08	1.13E-08	1.03E-08	1.68E-07	1.74E-07	6.37E-08	8.67E-08	3.24E-08	1.74E-07	6.37E-08
4573	485363.1	3859377	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	0.00E+00	0.00E+00	6.75E-08	1.28E-08	8.10E-08	1.25E-08	1.14E-08	1.85E-07	1.91E-07	7.02E-08	9.56E-08	3.57E-08	1.91E-07	7.02E-08
4574	485863.1	3859377	6.74E-04	6.91E-04	6.52E-04	2.33E-07	7.05E-07	4.08E-07	4.18E-07	3.79E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.51E-08	1.42E-08	9.00E-08	1.39E-08	1.26E-08	2.06E-07	2.13E-07	7.81E-08	1.06E-07	3.97E-08	2.13E-07	7.81E-08
4575	486363.1	3859377	7.51E-04	7.69E-04	7.26E-04	2.60E-07	7.85E-07	4.55E-07	4.66E-07	4.22E-07	1.93E-07	1.82E-07	0.00E+00	0.00E+00	8.36E-08	1.58E-08	1.00E-07	1.55E-08	1.41E-08	2.29E-07	2.37E-07	8.70E-08	1.18E-07	4.42E-08	2.37E-07	8.70E-08
4576	486863.1	3859377	8.50E-04	8.71E-04	8.21E-04	2.94E-07	8.89E-07	5.14E-07	5.27E-07	4.78E-07	2.18E-07	2.06E-07	0.00E+00	0.00E+00	9.46E-08	1.79E-08	1.13E-07	1.75E-08	1.59E-08	2.59E-07	2.68E-07	9.84E-08	1.34E-07	5.00E-08	2.68E-07	9.84E-08
4577	487363.1	3859377	9.89E-04	1.01E-03	9.55E-04	3.42E-07	1.03E-06	5.98E-07	6.13E-07	5.56E-07	2.53E-07	2.39E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.04E-08	1.85E-08	3.02E-07	3.12E-07	1.14E-07	1.56E-07	5.82E-08	3.12E-07	1.14E-07
4578	487863.1	3859377	1.21E-03	1.24E-03	1.17E-03	4.19E-07	1.27E-06	7.33E-07	7.51E-07	6.81E-07	3.11E-07	2.93E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.49E-08	2.27E-08	3.70E-07	3.82E-07	1.40E-07	1.91E-07	7.13E-08	3.82E-07	1.40E-07
4579	488363.1	3859377	1.61E-03	1.65E-03	1.55E-03	5.56E-07	1.68E-06	9.72E-07	9.96E-07	9.03E-07	4.12E-07	3.89E-07	0.00E+00	0.00E+00	1.79E-07	3.38E-08	2.15E-07	3.31E-08	3.01E-08	4.90E-07	5.07E-07	1.86E-07	2.53E-07	9.46E-08	5.07E-07	1.86E-07
4580	488863.1	3859377	2.51E-03	2.57E-03	2.43E-03	8.69E-07	2.62E-06	1.52E-06	1.56E-06	1.41E-06	6.44E-07	6.07E-07	0.00E+00	0.00E+00	2.79E-07	5.28E-08	3.35E-07	5.17E-08	4.70E-08	7.66E-07	7.92E-07	2.91E-07	3.95E-07	1.48E-07	7.92E-07	2.91E-07
4581	489363.1	3859377	6.77E-03	6.94E-03	6.54E-03	2.35E-06	7.08E-06	4.10E-06	4.20E-06	3.81E-06	1.74E-06	1.64E-06	0.00E+00	0.00E+00	7.54E-07	1.42E-07	9.04E-07	1.39E-07	1.27E-07	2.07E-06	2.14E-06	7.84E-07	1.07E-06	3.99E-07	2.14E-06	7.84E-07

4582	489863.1	3859377	2.20E-02	2.25E-02	2.12E-02	7.60E-06	2.29E-05	1.33E-05	1.36E-05	1.23E-05	5.63E-06	5.31E-06	0.00E+00	0.00E+00	2.44E-06	4.62E-07	2.93E-06	4.52E-07	4.11E-07	6.70E-06	6.93E-06	2.54E-06	3.46E-06	1.29E-06	6.93E-06	2.54E-06
4583	490363.1	3859377	7.02E-03	7.19E-03	6.78E-03	2.43E-06	7.34E-06	4.25E-06	4.35E-06	3.94E-06	1.80E-06	1.70E-06	0.00E+00	0.00E+00	7.82E-07	1.48E-07	9.37E-07	1.45E-07	1.31E-07	2.14E-06	2.22E-06	8.13E-07	1.11E-06	4.13E-07	2.22E-06	8.13E-07
4584	490863.1	3859377	3.85E-03	3.94E-03	3.72E-03	1.33E-06	4.02E-06	2.33E-06	2.38E-06	2.16E-06	9.86E-07	9.30E-07	0.00E+00	0.00E+00	4.28E-07	8.09E-08	5.14E-07	7.92E-08	7.20E-08	1.17E-06	1.21E-06	4.45E-07	6.06E-07	2.27E-07	1.21E-06	4.45E-07
4585	491363.1	3859377	2.28E-03	2.34E-03	2.20E-03	7.89E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.85E-07	5.51E-07	0.00E+00	0.00E+00	2.54E-07	4.80E-08	3.04E-07	4.69E-08	4.27E-08	6.96E-07	7.20E-07	2.64E-07	3.59E-07	1.34E-07	7.20E-07	2.64E-07
4586	491863.1	3859377	2.15E-03	2.20E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.19E-07	0.00E+00	0.00E+00	2.39E-07	4.52E-08	2.87E-07	4.42E-08	4.02E-08	6.55E-07	6.78E-07	2.49E-07	3.38E-07	1.26E-07	6.78E-07	2.49E-07
4587	492363.1	3859377	1.83E-03	1.87E-03	1.77E-03	6.34E-07	1.91E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.42E-07	0.00E+00	0.00E+00	2.04E-07	3.85E-08	2.44E-07	3.77E-08	3.43E-08	5.58E-07	5.78E-07	2.12E-07	2.88E-07	1.08E-07	5.78E-07	2.12E-07
4588	492863.1	3859377	1.64E-03	1.68E-03	1.58E-03	5.67E-07	1.71E-06	9.90E-07	1.01E-06	9.19E-07	4.20E-07	3.96E-07	0.00E+00	0.00E+00	1.82E-07	3.44E-08	2.18E-07	3.37E-08	3.06E-08	4.99E-07	5.17E-07	1.89E-07	2.58E-07	9.64E-08	5.17E-07	1.89E-07
4589	493363.1	3859377	1.38E-03	1.41E-03	1.33E-03	4.76E-07	1.44E-06	8.32E-07	8.52E-07	7.73E-07	3.53E-07	3.33E-07	0.00E+00	0.00E+00	1.53E-07	2.89E-08	1.84E-07	2.83E-08	2.58E-08	4.20E-07	4.34E-07	1.59E-07	2.17E-07	8.10E-08	4.34E-07	1.59E-07
4590	493863.1	3859377	1.25E-03	1.28E-03	1.20E-03	4.31E-07	1.30E-06	7.54E-07	7.72E-07	7.00E-07	3.19E-07	3.01E-07	0.00E+00	0.00E+00	1.39E-07	2.62E-08	1.66E-07	2.56E-08	2.33E-08	3.80E-07	3.93E-07	1.44E-07	1.96E-07	7.33E-08	3.93E-07	1.44E-07
4591	494363.1	3859377	1.11E-03	1.14E-03	1.08E-03	3.85E-07	1.16E-06	6.73E-07	6.90E-07	6.25E-07	2.85E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.08E-08	3.40E-07	3.51E-07	1.29E-07	1.75E-07	6.55E-08	3.51E-07	1.29E-07
4592	494863.1	3859377	9.52E-04	9.75E-04	9.20E-04	3.30E-07	9.95E-07	5.76E-07	5.90E-07	5.35E-07	2.44E-07	2.30E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.78E-08	2.90E-07	3.00E-07	1.10E-07	1.50E-07	5.60E-08	3.00E-07	1.10E-07
4593	495363.1	3859377	8.84E-04	9.05E-04	8.54E-04	3.06E-07	9.24E-07	5.35E-07	5.48E-07	4.97E-07	2.27E-07	2.14E-07	0.00E+00	0.00E+00	9.84E-08	1.86E-08	1.18E-07	1.82E-08	1.66E-08	2.70E-07	2.79E-07	1.02E-07	1.39E-07	5.20E-08	2.79E-07	1.02E-07
4594	495863.1	3859377	8.12E-04	8.31E-04	7.84E-04	2.81E-07	8.48E-07	4.91E-07	5.03E-07	4.56E-07	2.08E-07	1.96E-07	0.00E+00	0.00E+00	9.04E-08	1.71E-08	1.08E-07	1.67E-08	1.52E-08	2.48E-07	2.56E-07	9.40E-08	1.28E-07	4.78E-08	2.56E-07	9.40E-08
4595	496363.1	3859377	7.82E-04	8.01E-04	7.56E-04	2.71E-07	8.18E-07	4.73E-07	4.85E-07	4.39E-07	2.01E-07	1.89E-07	0.00E+00	0.00E+00	8.71E-08	1.65E-08	1.04E-07	1.61E-08	1.46E-08	2.39E-07	2.47E-07	9.05E-08	1.23E-07	4.60E-08	2.47E-07	9.05E-08
4596	496863.1	3859377	7.20E-04	7.38E-04	6.96E-04	2.49E-07	7.53E-07	4.36E-07	4.46E-07	4.05E-07	1.85E-07	1.74E-07	0.00E+00	0.00E+00	8.02E-08	1.52E-08	9.61E-08	1.48E-08	1.35E-08	2.20E-07	2.27E-07	8.34E-08	1.13E-07	4.24E-08	2.27E-07	8.34E-08
4597	497363.1	3859377	7.20E-04	7.38E-04	6.96E-04	2.49E-07	7.53E-07	4.36E-07	4.46E-07	4.05E-07	1.85E-07	1.74E-07	0.00E+00	0.00E+00	8.02E-08	1.52E-08	9.61E-08	1.48E-08	1.35E-08	2.20E-07	2.27E-07	8.34E-08	1.13E-07	4.24E-08	2.27E-07	8.34E-08
4598	497863.1	3859377	7.48E-04	7.66E-04	7.23E-04	2.59E-07	7.82E-07	4.53E-07	4.64E-07	4.20E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.33E-08	1.57E-08	9.99E-08	1.54E-08	1.40E-08	2.28E-07	2.36E-07	8.66E-08	1.18E-07	4.40E-08	2.36E-07	8.66E-08
4599	498363.1	3859377	7.75E-04	7.94E-04	7.49E-04	2.68E-07	8.10E-07	4.69E-07	4.80E-07	4.35E-07	1.99E-07	1.87E-07	0.00E+00	0.00E+00	8.63E-08	1.63E-08	1.03E-07	1.59E-08	1.45E-08	2.36E-07	2.45E-07	8.97E-08	1.22E-07	4.56E-08	2.45E-07	8.97E-08
4600	471363.1	3859877	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	0.00E+00	0.00E+00	1.82E-08	3.45E-09	2.19E-08	3.37E-09	3.07E-09	5.00E-08	5.17E-08	1.90E-08	2.58E-08	9.64E-09	5.17E-08	1.90E-08
4601	471863.1	3859877	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	0.00E+00	0.00E+00	1.87E-08	3.54E-09	2.25E-08	3.46E-09	3.15E-09	5.13E-08	5.31E-08	1.95E-08	2.65E-08	9.90E-09	5.31E-08	1.95E-08
4602	472363.1	3859877	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	0.00E+00	0.00E+00	1.91E-08	3.60E-09	2.29E-08	3.52E-09	3.21E-09	5.22E-08	5.40E-08	1.98E-08	2.70E-08	1.01E-08	5.40E-08	1.98E-08
4603	472863.1	3859877	1.77E-04	1.81E-04	1.71E-04	6.13E-08	1.85E-07	1.07E-07	1.10E-07	9.95E-08	4.54E-08	4.28E-08	0.00E+00	0.00E+00	1.97E-08	3.73E-09	2.36E-08	3.65E-09	3.32E-09	5.40E-08	5.59E-08	2.05E-08	2.79E-08	1.04E-08	5.59E-08	2.05E-08
4604	473363.1	3859877	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
4605	473863.1	3859877	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	0.00E+00	0.00E+00	2.07E-08	3.91E-09	2.48E-08	3.83E-09	3.48E-09	5.67E-08	5.87E-08	2.15E-08	2.93E-08	1.09E-08	5.87E-08	2.15E-08
4606	474363.1	3859877	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	0.00E+00	0.00E+00	1.99E-08	3.76E-09	2.38E-08	3.68E-09	3.34E-09	5.45E-08	5.64E-08	2.07E-08	2.81E-08	1.05E-08	5.64E-08	2.07E-08
4607	474863.1	3859877	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
4608	475363.1	3859877	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	0.00E+00	0.00E+00	1.61E-08	3.04E-09	1.93E-08	2.98E-09	2.71E-09	4.41E-08	4.56E-08	1.67E-08	2.28E-08	8.51E-09	4.56E-08	1.67E-08
4609	475863.1	3859877	1.24E-04	1.27E-04	1.20E-04	4.29E-08	1.30E-07	7.50E-08	7.68E-08	6.96E-08	3.18E-08	3.00E-08	0.00E+00	0.00E+00	1.38E-08	2.61E-09	1.65E-08	2.55E-09	2.32E-09	3.78E-08	3.91E-08	1.44E-08	1.95E-08	7.30E-09	3.91E-08	1.44E-08
4610	476363.1	3859877	1.11E-04	1.13E-04	1.07E-04	3.83E-08	1.16E-07	6.70E-08	6.86E-08	6.22E-08	2.84E-08	2.68E-08	0.00E+00	0.00E+00	1.23E-08	2.33E-09	1.48E-08	2.28E-09	2.07E-09	3.38E-08	3.49E-08	1.28E-08	1.74E-08	6.52E-09	3.49E-08	1.28E-08
4611	476863.1	3859877	1.17E-04	1.19E-04	1.13E-04	4.04E-08	1.22E-07	7.05E-08	7.23E-08	6.55E-08	2.99E-08	2.82E-08	0.00E+00	0.00E+00	1.30E-08	2.45E-09	1.56E-08	2.40E-09	2.18E-09	3.56E-08	3.68E-08	1.35E-08	1.84E-08	6.86E-09	3.68E-08	1.35E-08
4612	477363.1	3859877	1.21E-04	1.24E-04	1.17E-04	4.19E-08	1.26E-07	7.32E-08	7.50E-08	6.80E-08	3.10E-08	2.93E-08	0.00E+00	0.00E+00	1.35E-08	2.55E-09	1.62E-08	2.49E-09	2.27E-09	3.69E-08	3.82E-08	1.40E-08	1.91E-08	7.12E-09	3.82E-08	1.40E-08
4613	477863.1	3859877	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	0.00E+00	0.00E+00	1.54E-08	2.92E-09	1.85E-08	2.86E-09	2.60E-09	4.23E-08	4.38E-08	1.61E-08	2.19E-08	8.17E-09	4.38E-08	1.61E-08
4614	478363.1	3859877	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	0.00E+00	0.00E+00	1.79E-08	3.38E-09	2.15E-08	3.31E-09	3.01E-09	4.91E-08	5.08E-08	1.86E-08	2.53E-08	9.47E-09	5.08E-08	1.86E-08
4615	478863.1	3859877	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	0.00E+00	0.00E+00	2.12E-08	4.00E-09	2.54E-08	3.92E-09	3.56E-09	5.81E-08	6.01E-08	2.20E-08	3.00E-08	1.12E-08	6.01E-08	2.20E-08
4616	479363.1	3859877	2.26E-04	2.31E-04	2.18E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.46E-08	0.00E+00	0.00E+00	2.51E-08	4.75E-09	3.01E-08	4.65E-09	4.23E-09	6.89E-08	7.13E-08	2.61E-08	3.56E-08	1.33E-08	7.13E-08	2.61E-08
4617	479863.1	3859877	2.54E-04	2.60E-04	2.45E-04	8.79E-08	2.65E-07	1.54E-07	1.57E-07	1.43E-07	6.51E-08	6.14E-08	0.00E+00	0.00E+00	2.83E-08	5.34E-09	3.39E-08	5.23E-09	4.75E-09	7.75E-08	8.01E-08	2.94E-08	4.00E-08	1.49E-08	8.01E-08	2.94E-08
4618	480363.1	3859877	2.77E-04	2.84E-04	2.68E-04	9.60E-08	2.90E-07	1.68E-07	1.72E-07	1.56E-07	7.11E-08	6.71E-08	0.00E+00	0.00E+00	3.09E-08	5.84E-09	3.70E-08	5.71E-09	5.19E-09	8.47E-08	8.76E-08	3.21E-08	4.37E-08	1.63E-08	8.76E-08	3.21E-08
4619	480863.1	3859877	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	0.00E+00	0.00E+00	3.29E-08	6.21E-09	3.94E-08	6.08E-09	5.53E-09	9.01E-08	9.32E-08	3.42E-08	4.65E-08	1.74E-08	9.32E-08	3.42E-08
4620	481363.1	3859877	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	0.00E+00	0.00E+00	3.45E-08	6.52E-09	4.14E-08	6.38E-09	5.80E-09	9.46E-08	9.78E-08	3.59E-08	4.88E-08	1.82E-08	9.78E-08	3.59E-08
4621	481863.1	3859877	3.25E-04	3.33E-04	3.14E-04	1.12E-07	3.39E-07	1.96E-07	2.01E-07	1.82E-07	8.32E-08	7.85E-08	0.00E+00	0.00E+00	3.61E-08	6.83E-09	4.33E-08	6.68E-09	6.08E-09	9.91E-08	1.02E-07	3.76E-08	5.12E-08	1.91E-08	1.02E-07	3.76E-08
4622	482363.1	3859877	3.42E-04	3.51E-04	3.31E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.78E-08	8.28E-08	0.00E+00	0.00E+00	3.81E-08	7.20E-09	4.57E-08	7.05E-09	6.41E-09	1.04E-07	1.08E-07	3.96E-08	5.39E-08	2.02E-08	1.08E-07	3.96E-08
4623	482863.1	3859877	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	0.00E+00	0.00E+00	3.99E-08	7.54E-09	4.79E-08	7.38E-09	6.71E-09	1.09E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
4624	483363.1	3859877	3.79E-04	3.88E-04	3.66E-04	1.31E-07	3.96E-07	2.30E-07	2.35E-07	2.13E-07	9.72E-08	9.17E-08	0.00E+00	0.00E+00	4.22E-08	7.98E-09	5.06E-08	7.81E-09	7.10E-09	1.16E-07	1.20E-07	4.39E-08	5.98E-08	2.23E-08	1.20E-07	4.39E-08
4625	483863.1	3859877	4.12E-04	4.22E-04	3.98E-04	1.43E-07	4.30E-07	2.49E-07	2.55E-07	2.31E-07	1.06E-07	9.96E-08	0.00E+00	0.00E+00	4.58E-08	8.66E-09	5.50E-08	8.48E-09	7.71E-09	1.26E-07	1.30E-07	4.77E-08	6.49E-08	2.42E-08	1.30E-07	4.77E-08
4626	484363.1	3859877	4.37E-04	4.47E-04	4.22E-04	1.51E-07	4.57E-07	2.64E-07	2.71E-07	2.45E-07	1.12E-07	1.06E-07	0.00E+00	0.00E+00	4.86E-08	9.19E-09	5.83E-08	8.99E-09	8.18E-09	1.33E-07	1.38E-07	5.06E-08	6.88E-08	2.57E-08	1.38E-07	5.06E-08
4627	484863.1	3859877	4.65E-04	4.76E-04	4.49E-04	1.61E-07	4.86E-07	2.81E-07	2.88E-07	2.61E-07	1.19E-07	1.12E-07	0.00E+00	0.00E+00	5.18E-08	9.78E-09	6.21E-08	9.57E-09	8.70E-09	1.42E-07	1.47E-07	5.38E-08	7.32E-08	2.74E-08	1.47E-07	5.38E-08
4628	485363.1	3859877	5.05E-04	5.17E-04	4.88E-04	1.75E-07	5.28E-07	3.05E-07	3.13E-07	2.84E-07	1.29E-07	1.22E-07	0.00E+00	0.00E+00	5.62E-08	1.06E-08	6.74E-08	1.04E-08	9.45E-09	1.54E-07	1.59E-07	5.84E-08	7.95E-08	2.97E-08	1.59E-07	5.84E-08
4629	485863.1	3859877	5.59E-04	5.73E-04	5.40E-04	1.94E-07	5.85E-07	3.38E-07	3.47E-07	3.14E-07	1.43E-07	1.35E-07	0.00E+00	0.00E+00	6.23E-08	1.18E-08	7.47E-08	1.15E-08	1.05E-08	1.71E-07	1.77E-07	6.48E-08	8.81E-08	3.29E-08	1.77E-07	6.48E-08
4630	486363.1	3859877	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.95E-08	1.31E-08	8.33E-08	1.29E-08	1.17E-08	1.90E-07	1.97E-07	7.23E-08	9.83E-08	3.68E-08	1.97E-07	7.23E-08
4631	486863.1	3859877	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.80E-08	1.47E-08	9.36E-08	1.44E-08	1.31E-08	2.14E-07	2.21E-07	8.12E-08	1.10E-07	4.13E-08	2.21E-07	8.12E-08
4632	487363.1	3859877	7.84E-04	8.03E-04	7.57E-04	2.71E-07	8.19E-07	4.74E-07	4.86E-07	4.40E-07	2.01E-07	1.89E-07	0.00E+00	0.00E+00	8.72E-08	1.65E-08	1.05E-07	1.61E-08	1.47E-08	2.39E-07	2.47E-07	9.07E-08	1.23E-07	4.61E-08	2.47E-07	9.07E-08
4633	487863.1	3859877	8.91E-04	9.13E-04	8.61E-04	3.09E-07	9.32E-07	5.39E-07	5.52E-07	5.01E-07	2.29E-07	2.16E-07	0.00E+00	0.00E+00	9.92E-08	1.88E-08	1.19E-07	1.83E-08	1.67E-08	2.72E-07	2.81E-07	1.03E-07	1.40E-07	5.25E-08	2.81E-07	1.03E-07
4634	488363.1	3859877	1.02E-03	1.04E-03	9.85E-04	3.53E-07	1.07E-06	6.17E-07	6.32E-07	5.73E-07	2.61E-07	2.47E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.36E-07	2.10E-08	1.91E-08	3.11E-07	3.22E-07	1.18E-07	1.61E-07	6.00E-08	3.22E-07	1.18E-07
4635	488863.1	3859877	1.26E-03	1.30E-03	1.22E-03	4.38E-07	1.32E-06	7.65E-07	7.84E-07	7.11E-07	3.24E-07	3.06E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.60E-08	2.37E-08	3.86E-07	3.99E-07	1.46E-07	1.99E-07	7.45E-08	3.99E-07	1.46E-07
4636	489363.1	3859877	1.70E-03	1.75E-03	1.65E-03	5.90E-07	1.78E-06	1.03E-06	1.06E-06	9.58E-07	4.37E-07	4.12E-07	0.00E+00	0.00E+00	1.90E-07	3.59E-08	2.28E-07	3.51E-08	3.19E-08	5.20E-07	5.38E-07	1.97E-07	2.69E-07	1.00E-07	5.38E-07	1.97E-07
4637	489863.1	3859877	2.68E-03	2.75E-03	2.59E-03	9.29E-07	2.80E-06	1.62E-06	1.66E-06	1.51E-06	6.88E-07	6.49E-07	0.00E+00	0.00E+00	2.99E-07	5.64E-08	3.58E-07	5.52E-08	5.02E-08	8.19E-07	8.47E-07	3.11E-07	4.23E-07	1.58E-07	8.47E-07	3.11E-07
4638	490363.1	3859877	6.03E-03	6.18E-03	5.83E-03	2.09E-06	6.30E-06	3.65E-06	3.74E-06	3.39E-06	1.55E-06	1.46E-06	0.00E+00	0.00E+00	6.71E-07	1.27E-07	8.05E-07	1.24E-07	1.13E-07	1.84E-06	1.90E-06	6.98E-07	9.50E-07	3.55E-07	1.90E-06	6.98E-07
4639	490863.1	3859877	4.58E-02	4.69E-02	4.42E-02	1.58E-05	4.78E-05	2.77E-05	2.84E-05	2.57E-05	1.17E-05	1.11E-05	0.00E+00	0.00E+00	5.10E-06	9.63E-07	6.11E-06	9.42E-07	8.57E-07	1.40E-05	1.44E-05	5.30E-06	7.21E-06	2.69E-06	1.44E-05	5.30E-06
4640	491363.1	3859877	8.86E-03	9.07E-03	8.56E-03	3.07E-06	9.26E-06	5.36E-06	5.49E-06	4.98E-06	2.27E-06	2.14E-06	0.00E+00	0.00E+00	9.86E-07	1.86E-07	1.18E-06	1.82E-07	1.66E-07	2.70E-06	2.80E-06	1.03E-06	1.40E-06	5.22E-07	2.80E-06	1.03E-06
4641	491863.1	3859877	4.49E-03	4.60E-03	4.34E-03	1.55E-06	4.69E-06	2.72E-06	2.78E-06	2.52E-06	1.15E-06	1.09E-06	0.00E+00	0.00E+00	5.00E-07	9.44E-08	5.99E-07	9.24E-08	8.40E-08	1.37E-06	1.42E-06	5.20E-07	7.07E-07	2.64E-07	1.42E-06	5.20E-07
4642	492363.1	3859877	3.05E-03	3.12E-03	2.94E-03	1.05E-06	3.18E-06	1.84E-06	1.89E-06	1.71E-06	7.81E-07	7.37E-07	0.00E+00	0.00E+00	3.39E-07	6.41E-08	4.07E-07	6.27E-08	5.70E-08	9.30E-07	9.61E-07	3.53E-07	4.80E-07	1.79E-07	9.61E-07	3.53E-07
4643	492863.1	3859877	2.24E-03	2.29E-03	2.16E-03	7.74E-07	2.34E-06	1.35E-06	1.39E-06	1.26E-06	5.73E-07	5.41E-07	0.00E+00	0.00E+00	2.49E-07	4.70E-08	2.98E-07	4.60E-08	4.19E-08	6.82E-07	7.06E-07	2.59E-07	3.52E-07	1.32E-07	7.06E-07	2.59E-07
4644	493363.1	3859877	1.84E-03	1.89E-03	1.78E-03	6.38E-07	1.93E-06	1.12E-06	1.14E-06	1.04E-06	4.73E-07	4.46E-07	0.00E+00	0.00E+00	2.05E-07	3.88E-08	2.46E-07	3.79E-08	3.45E-08	5.62E-07	5.82E-07	2.13E-07	2.90E-07	1.09E-07	5.82E-07	2.13E-07
4645	493863.1	3859877	1.59E-03	1.62E-03	1.53E-03	5.49E-07	1.66E-06	9.59E-07	9.82E-07	8.90E-07	4.06E-07	3.83E-07	0.00E+00	0.00E+00	1.76E-07	3.33E-08	2.12E-07	3.26E-08	2.97E-08	4.84E-07	5.00E-07	1.83E-07	2.50E-07	9.33E-08	5.00E-07	1.83E-07
4646	494363.1	3859877	1.37E-03	1.40E-03	1.32E-03	4.73E-07	1.43E-06	8.26E-07	8.46E-07	7.67E-07	3.50E-07	3.30E-07	0.00E+00	0.00E+00	1.52E-07	2.87E-08	1.82E-07	2.81E-08	2.56E-08	4.17E-07	4.31E-07	1.58E-07	2.15E-07	8.04E-08	4.31E-07	1.58E-07
4647	494863.1	3859877	1.25E-03	1.28E-03	1.20E-03	4.32E-07	1.30E-06	7.55E-07	7.73E-07	7.01E-07	3.20E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.62E-08	1.66E-07	2.57E-08	2.33E-08	3.81E-07	3.94E-07	1.44E-07	1.96E-07	7.34E-08	3.94E-07	1.44E-07
4648	495363.1	3859877	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.99E-07	6.33E-07	2.89E-07	2.73E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.51E-07	2.32E-08	2.11E-08	3.44E-07	3.56E-07	1.31E-07	1.78E-07	6.64E-08	3.56E-07	1.31E-07
4649	495863.1	3859877	1.02E-03	1.05E-03	9.90E-04	3.55E-07	1.07E-06	6.20E-07	6.35E-07	5.75E-07	2.63E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.37E-07	2.11E-08	1.92E-08	3.13E-07	3.23E-07	1.19E-07	1.61E-07	6.03E-08	3.23E-07	1.19E-07
4650	496363.1	3859877	9.05E-04	9.27E-04	8.74E-04	3.13E-07	9.46E-07	5.47E-07	5.61E-07	5.08E-07	2.32E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.69E-08	2.76E-07	2.86E-07	1.05E-07	1.43E-07	5.33E-08	2.86E-07	1.05E-07
4651	496863.1	3859877	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.35E-08	1.58E-08	1.00E-07	1.54E-08	1.40E-08	2.29E-07	2.37E-07	8.68E-08	1.18E-07	4.41E-08	2.37E-07	8.68E-08
4652	497363.1	3859877	7.95E-04	8.15E-04	7.69E-04	2.75E-07	8.31E-07	4.81E-07	4.93E-07	4.47E-07	2.04E-07	1.92E-07	0.00E+00	0.00E+00	8.86E-08	1.67E-08	1.06E-07	1.64E-08	1.49E-08	2.43E-07	2.51E-07	9.21E-08	1.25E-07	4.68E-08	2.51E-07	9.21E-08
4653	497863.1	3859877	8.62E-04	8.83E-04	8.33E-04	2.98E-07	9.01E-07	5.22E-07	5.34E-07	4.84E-07	2.21E-07	2.08E-07	0.00E+00	0.00E+00	9.59E-08	1.81E-08	1.15E-07	1.77E-08	1.61E-08	2.63E-07	2.72E-07	9.98E-08	1.36E-07	5.07E-08	2.72E-07	9.98E-08
4654	498363.1	3859877	8.96E-04	9.18E-04	8.65E-04	3.10E-07	9.36E-07	5.42E-07	5.55E-07	5.03E-07	2.30E-07	2.17E-07	0.00E+00	0.00E+00	9.97E-08	1.88E-08	1.20E-07	1.84E-08	1.68E-08	2.73E-07	2.83E-07	1.04E-07	1.41E-07	5.27E-08	2.83E-07	1.04E-07
4655	471363.1	3860377	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	0.00E+00	0.00E+00	1.79E-08	3.38E-09	2.15E-08	3.31E-09	3.01E-09	4.91E-08	5.08E-08	1.86E-08	2.53E-08	9.47E-09	5.08E-08	1.86E-08

4656	471863.1	3860377	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	0.00E+00	0.00E+00	1.82E-08	3.45E-09	2.19E-08	3.37E-09	3.07E-09	5.00E-08	5.17E-08	1.90E-08	2.58E-08	9.64E-09	5.17E-08	1.90E-08
4657	472363.1	3860377	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	0.00E+00	0.00E+00	1.87E-08	3.54E-09	2.25E-08	3.46E-09	3.15E-09	5.13E-08	5.31E-08	1.95E-08	2.65E-08	9.90E-09	5.31E-08	1.95E-08
4658	472863.1	3860377	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	0.00E+00	0.00E+00	1.92E-08	3.63E-09	2.30E-08	3.55E-09	3.23E-09	5.27E-08	5.45E-08	2.00E-08	2.72E-08	1.02E-08	5.45E-08	2.00E-08
4659	473363.1	3860377	1.77E-04	1.81E-04	1.71E-04	6.13E-08	1.85E-07	1.07E-07	1.10E-07	9.95E-08	4.54E-08	4.28E-08	0.00E+00	0.00E+00	1.97E-08	3.73E-09	2.36E-08	3.65E-09	3.32E-09	5.40E-08	5.59E-08	2.05E-08	2.79E-08	1.04E-08	5.59E-08	2.05E-08
4660	473863.1	3860377	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	0.00E+00	0.00E+00	2.00E-08	3.79E-09	2.40E-08	3.71E-09	3.37E-09	5.49E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
4661	474363.1	3860377	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	0.00E+00	0.00E+00	2.00E-08	3.79E-09	2.40E-08	3.71E-09	3.37E-09	5.49E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
4662	474863.1	3860377	1.77E-04	1.81E-04	1.71E-04	6.13E-08	1.85E-07	1.07E-07	1.10E-07	9.95E-08	4.54E-08	4.28E-08	0.00E+00	0.00E+00	1.97E-08	3.73E-09	2.36E-08	3.65E-09	3.32E-09	5.40E-08	5.59E-08	2.05E-08	2.79E-08	1.04E-08	5.59E-08	2.05E-08
4663	475363.1	3860377	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
4664	475863.1	3860377	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	0.00E+00	0.00E+00	1.76E-08	3.32E-09	2.11E-08	3.25E-09	2.96E-09	4.82E-08	4.98E-08	1.83E-08	2.49E-08	9.30E-09	4.98E-08	1.83E-08
4665	476363.1	3860377	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	0.00E+00	0.00E+00	1.61E-08	3.04E-09	1.93E-08	2.98E-09	2.71E-09	4.41E-08	4.56E-08	1.67E-08	2.28E-08	8.51E-09	4.56E-08	1.67E-08
4666	476863.1	3860377	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.98E-09	1.89E-08	2.92E-09	2.65E-09	4.32E-08	4.47E-08	1.64E-08	2.23E-08	8.34E-09	4.47E-08	1.64E-08
4667	477363.1	3860377	1.27E-04	1.30E-04	1.23E-04	4.39E-08	1.33E-07	7.68E-08	7.87E-08	7.13E-08	3.25E-08	3.07E-08	0.00E+00	0.00E+00	1.41E-08	2.67E-09	1.69E-08	2.61E-09	2.38E-09	3.87E-08	4.01E-08	1.47E-08	2.00E-08	7.47E-09	4.01E-08	1.47E-08
4668	477863.1	3860377	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	0.00E+00	0.00E+00	1.51E-08	2.86E-09	1.81E-08	2.79E-09	2.54E-09	4.14E-08	4.29E-08	1.57E-08	2.14E-08	7.99E-09	4.29E-08	1.57E-08
4669	478363.1	3860377	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	0.00E+00	0.00E+00	1.77E-08	3.35E-09	2.13E-08	3.28E-09	2.98E-09	4.86E-08	5.03E-08	1.85E-08	2.51E-08	9.38E-09	5.03E-08	1.85E-08
4670	478863.1	3860377	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	0.00E+00	0.00E+00	2.07E-08	3.91E-09	2.48E-08	3.83E-09	3.48E-09	5.67E-08	5.87E-08	2.15E-08	2.93E-08	1.09E-08	5.87E-08	2.15E-08
4671	479363.1	3860377	2.17E-04	2.22E-04	2.10E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.22E-07	5.56E-08	5.25E-08	0.00E+00	0.00E+00	2.42E-08	4.56E-09	2.90E-08	4.47E-09	4.06E-09	6.62E-08	6.85E-08	2.51E-08	3.42E-08	1.28E-08	6.85E-08	2.51E-08
4672	479863.1	3860377	2.44E-04	2.49E-04	2.35E-04	8.43E-08	2.55E-07	1.47E-07	1.51E-07	1.37E-07	6.24E-08	5.89E-08	0.00E+00	0.00E+00	2.71E-08	5.12E-09	3.25E-08	5.01E-09	4.56E-09	7.43E-08	7.69E-08	2.82E-08	3.84E-08	1.43E-08	7.69E-08	2.82E-08
4673	480363.1	3860377	2.64E-04	2.71E-04	2.55E-04	9.15E-08	2.76E-07	1.60E-07	1.64E-07	1.48E-07	6.77E-08	6.39E-08	0.00E+00	0.00E+00	2.94E-08	5.56E-09	3.53E-08	5.44E-09	4.95E-09	8.06E-08	8.34E-08	3.06E-08	4.16E-08	1.56E-08	8.34E-08	3.06E-08
4674	480863.1	3860377	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	0.00E+00	0.00E+00	3.14E-08	5.93E-09	3.76E-08	5.80E-09	5.28E-09	8.60E-08	8.90E-08	3.26E-08	4.44E-08	1.66E-08	8.90E-08	3.26E-08
4675	481363.1	3860377	2.92E-04	2.99E-04	2.82E-04	1.01E-07	3.05E-07	1.77E-07	1.81E-07	1.64E-07	7.49E-08	7.07E-08	0.00E+00	0.00E+00	3.25E-08	6.15E-09	3.90E-08	6.02E-09	5.47E-09	8.92E-08	9.22E-08	3.38E-08	4.60E-08	1.72E-08	9.22E-08	3.38E-08
4676	481863.1	3860377	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	0.00E+00	0.00E+00	3.45E-08	6.52E-09	4.14E-08	6.38E-09	5.80E-09	9.46E-08	9.78E-08	3.59E-08	4.88E-08	1.82E-08	9.78E-08	3.59E-08
4677	482363.1	3860377	3.25E-04	3.33E-04	3.14E-04	1.12E-07	3.39E-07	1.96E-07	2.01E-07	1.82E-07	8.32E-08	7.85E-08	0.00E+00	0.00E+00	3.61E-08	6.83E-09	4.33E-08	6.68E-09	6.08E-09	9.91E-08	1.02E-07	3.76E-08	5.12E-08	1.91E-08	1.02E-07	3.76E-08
4678	482863.1	3860377	3.36E-04	3.45E-04	3.25E-04	1.16E-07	3.52E-07	2.04E-07	2.09E-07	1.89E-07	8.63E-08	8.14E-08	0.00E+00	0.00E+00	3.75E-08	7.08E-09	4.49E-08	6.93E-09	6.30E-09	1.03E-07	1.06E-07	3.90E-08	5.30E-08	1.98E-08	1.06E-07	3.90E-08
4679	483363.1	3860377	3.57E-04	3.66E-04	3.45E-04	1.24E-07	3.73E-07	2.16E-07	2.21E-07	2.01E-07	9.16E-08	8.64E-08	0.00E+00	0.00E+00	3.98E-08	7.51E-09	4.77E-08	7.35E-09	6.69E-09	1.09E-07	1.13E-07	4.13E-08	5.63E-08	2.10E-08	1.13E-07	4.13E-08
4680	483863.1	3860377	3.73E-04	3.82E-04	3.61E-04	1.29E-07	3.90E-07	2.26E-07	2.31E-07	2.10E-07	9.57E-08	9.03E-08	0.00E+00	0.00E+00	4.16E-08	7.85E-09	4.98E-08	7.69E-09	6.99E-09	1.14E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
4681	484363.1	3860377	3.97E-04	4.07E-04	3.84E-04	1.37E-07	4.15E-07	2.40E-07	2.46E-07	2.23E-07	1.02E-07	9.60E-08	0.00E+00	0.00E+00	4.42E-08	8.35E-09	5.30E-08	8.17E-09	7.43E-09	1.21E-07	1.25E-07	4.60E-08	6.25E-08	2.34E-08	1.25E-07	4.60E-08
4682	484863.1	3860377	4.16E-04	4.26E-04	4.02E-04	1.44E-07	4.35E-07	2.52E-07	2.58E-07	2.34E-07	1.07E-07	1.01E-07	0.00E+00	0.00E+00	4.63E-08	8.75E-09	5.56E-08	8.57E-09	7.79E-09	1.27E-07	1.31E-07	4.82E-08	6.56E-08	2.45E-08	1.31E-07	4.82E-08
4683	485363.1	3860377	4.40E-04	4.50E-04	4.25E-04	1.52E-07	4.60E-07	2.66E-07	2.73E-07	2.47E-07	1.13E-07	1.06E-07	0.00E+00	0.00E+00	4.90E-08	9.25E-09	5.87E-08	9.05E-09	8.23E-09	1.34E-07	1.39E-07	5.09E-08	6.93E-08	2.59E-08	1.39E-07	5.09E-08
4684	485863.1	3860377	4.75E-04	4.87E-04	4.59E-04	1.65E-07	4.97E-07	2.88E-07	2.95E-07	2.67E-07	1.22E-07	1.15E-07	0.00E+00	0.00E+00	5.29E-08	1.00E-08	6.34E-08	9.78E-09	8.90E-09	1.45E-07	1.50E-07	5.50E-08	7.49E-08	2.80E-08	1.50E-07	5.50E-08
4685	486363.1	3860377	5.18E-04	5.31E-04	5.00E-04	1.79E-07	5.41E-07	3.13E-07	3.21E-07	2.91E-07	1.33E-07	1.25E-07	0.00E+00	0.00E+00	5.77E-08	1.09E-08	6.91E-08	1.07E-08	9.70E-09	1.58E-07	1.63E-07	6.00E-08	8.16E-08	3.05E-08	1.63E-07	6.00E-08
4686	486863.1	3860377	5.65E-04	5.79E-04	5.46E-04	1.96E-07	5.91E-07	3.42E-07	3.50E-07	3.18E-07	1.45E-07	1.37E-07	0.00E+00	0.00E+00	6.29E-08	1.19E-08	7.55E-08	1.16E-08	1.06E-08	1.72E-07	1.78E-07	6.54E-08	8.90E-08	3.33E-08	1.78E-07	6.54E-08
4687	487363.1	3860377	6.23E-04	6.38E-04	6.02E-04	2.16E-07	6.51E-07	3.77E-07	3.86E-07	3.50E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.93E-08	1.31E-08	8.31E-08	1.28E-08	1.17E-08	1.90E-07	1.97E-07	7.21E-08	9.81E-08	3.67E-08	1.97E-07	7.21E-08
4688	487863.1	3860377	7.00E-04	7.17E-04	6.76E-04	2.42E-07	7.31E-07	4.23E-07	4.34E-07	3.93E-07	1.79E-07	1.69E-07	0.00E+00	0.00E+00	7.79E-08	1.47E-08	9.34E-08	1.44E-08	1.31E-08	2.13E-07	2.21E-07	8.10E-08	1.10E-07	4.12E-08	2.21E-07	8.10E-08
4689	488363.1	3860377	7.87E-04	8.06E-04	7.60E-04	2.72E-07	8.22E-07	4.76E-07	4.88E-07	4.42E-07	2.02E-07	1.90E-07	0.00E+00	0.00E+00	8.76E-08	1.65E-08	1.05E-07	1.62E-08	1.47E-08	2.40E-07	2.48E-07	9.11E-08	1.24E-07	4.63E-08	2.48E-07	9.11E-08
4690	488863.1	3860377	9.02E-04	9.24E-04	8.71E-04	3.12E-07	9.43E-07	5.46E-07	5.59E-07	5.07E-07	2.31E-07	2.18E-07	0.00E+00	0.00E+00	1.00E-07	1.90E-08	1.20E-07	1.86E-08	1.69E-08	2.75E-07	2.85E-07	1.04E-07	1.42E-07	5.31E-08	2.85E-07	1.04E-07
4691	489363.1	3860377	1.06E-03	1.09E-03	1.02E-03	3.67E-07	1.11E-06	6.41E-07	6.57E-07	5.95E-07	2.72E-07	2.56E-07	0.00E+00	0.00E+00	1.18E-07	2.23E-08	1.41E-07	2.18E-08	1.98E-08	3.23E-07	3.34E-07	1.23E-07	1.67E-07	6.24E-08	3.34E-07	1.23E-07
4692	489863.1	3860377	1.28E-03	1.31E-03	1.23E-03	4.41E-07	1.33E-06	7.72E-07	7.90E-07	7.16E-07	3.27E-07	3.08E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.39E-08	3.89E-07	4.02E-07	1.48E-07	2.01E-07	7.51E-08	4.02E-07	1.48E-07
4693	490363.1	3860377	1.64E-03	1.67E-03	1.58E-03	5.66E-07	1.71E-06	9.89E-07	1.01E-06	9.19E-07	4.19E-07	3.95E-07	0.00E+00	0.00E+00	1.82E-07	3.44E-08	2.18E-07	3.37E-08	3.06E-08	4.99E-07	5.16E-07	1.89E-07	2.58E-07	9.63E-08	5.16E-07	1.89E-07
4694	490863.1	3860377	2.47E-03	2.53E-03	2.39E-03	8.56E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.34E-07	5.98E-07	0.00E+00	0.00E+00	2.75E-07	5.20E-08	3.30E-07	5.09E-08	4.63E-08	7.55E-07	7.81E-07	2.86E-07	3.90E-07	1.46E-07	7.81E-07	2.86E-07
4695	491363.1	3860377	7.47E-03	7.65E-03	7.22E-03	2.59E-06	7.81E-06	4.52E-06	4.63E-06	4.20E-06	1.92E-06	1.81E-06	0.00E+00	0.00E+00	8.32E-07	1.57E-07	9.97E-07	1.54E-07	1.40E-07	2.28E-06	2.36E-06	8.65E-07	1.18E-06	4.40E-07	2.36E-06	8.65E-07
4696	491863.1	3860377	1.28E-02	1.31E-02	1.24E-02	4.44E-06	1.34E-05	7.75E-06	7.94E-06	7.20E-06	3.28E-06	3.10E-06	0.00E+00	0.00E+00	1.43E-06	2.70E-07	1.71E-06	2.64E-07	2.40E-07	3.91E-06	4.04E-06	1.48E-06	2.02E-06	7.54E-07	4.04E-06	1.48E-06
4697	492363.1	3860377	5.15E-03	5.28E-03	4.98E-03	1.78E-06	5.39E-06	3.12E-06	3.19E-06	2.89E-06	1.32E-06	1.25E-06	0.00E+00	0.00E+00	5.74E-07	1.08E-07	6.88E-07	1.06E-07	9.65E-08	1.57E-06	1.63E-06	5.96E-07	8.12E-07	3.03E-07	1.63E-06	5.96E-07
4698	492863.1	3860377	3.46E-03	3.55E-03	3.35E-03	1.20E-06	3.62E-06	2.09E-06	2.15E-06	1.95E-06	8.88E-07	8.37E-07	0.00E+00	0.00E+00	3.85E-07	7.28E-08	4.62E-07	7.13E-08	6.48E-08	1.06E-06	1.09E-06	4.01E-07	5.45E-07	2.04E-07	1.09E-06	4.01E-07
4699	493363.1	3860377	2.50E-03	2.56E-03	2.42E-03	8.66E-07	2.62E-06	1.51E-06	1.55E-06	1.41E-06	6.42E-07	6.05E-07	0.00E+00	0.00E+00	2.79E-07	5.27E-08	3.34E-07	5.15E-08	4.69E-08	7.64E-07	7.90E-07	2.90E-07	3.94E-07	1.47E-07	7.90E-07	2.90E-07
4700	493863.1	3860377	2.15E-03	2.20E-03	2.08E-03	7.44E-07	2.25E-06	1.30E-06	1.33E-06	1.21E-06	5.51E-07	5.20E-07	0.00E+00	0.00E+00	2.39E-07	4.52E-08	2.87E-07	4.42E-08	4.02E-08	6.56E-07	6.78E-07	2.49E-07	3.39E-07	1.27E-07	6.78E-07	2.49E-07
4701	494363.1	3860377	1.80E-03	1.84E-03	1.74E-03	6.22E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.61E-07	4.35E-07	0.00E+00	0.00E+00	2.00E-07	3.78E-08	2.40E-07	3.70E-08	3.37E-08	5.49E-07	5.67E-07	2.08E-07	2.83E-07	1.06E-07	5.67E-07	2.08E-07
4702	494863.1	3860377	1.66E-03	1.70E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	1.03E-06	9.30E-07	4.24E-07	4.00E-07	0.00E+00	0.00E+00	1.84E-07	3.48E-08	2.21E-07	3.41E-08	3.10E-08	5.05E-07	5.23E-07	1.92E-07	2.61E-07	9.75E-08	5.23E-07	1.92E-07
4703	495363.1	3860377	1.46E-03	1.50E-03	1.41E-03	5.06E-07	1.53E-06	8.85E-07	9.06E-07	8.22E-07	3.75E-07	3.54E-07	0.00E+00	0.00E+00	1.63E-07	3.08E-08	1.95E-07	3.01E-08	2.74E-08	4.46E-07	4.62E-07	1.69E-07	2.30E-07	8.61E-08	4.62E-07	1.69E-07
4704	495863.1	3860377	1.24E-03	1.27E-03	1.20E-03	4.29E-07	1.30E-06	7.50E-07	7.68E-07	6.96E-07	3.18E-07	3.00E-07	0.00E+00	0.00E+00	1.38E-07	2.61E-08	1.65E-07	2.55E-08	2.32E-08	3.78E-07	3.91E-07	1.44E-07	1.95E-07	7.30E-08	3.91E-07	1.44E-07
4705	496363.1	3860377	1.08E-03	1.11E-03	1.04E-03	3.74E-07	1.13E-06	6.54E-07	6.70E-07	6.07E-07	2.77E-07	2.61E-07	0.00E+00	0.00E+00	1.20E-07	2.27E-08	1.44E-07	2.22E-08	2.02E-08	3.30E-07	3.41E-07	1.25E-07	1.70E-07	6.36E-08	3.41E-07	1.25E-07
4706	496863.1	3860377	9.77E-04	1.00E-03	9.44E-04	3.38E-07	1.02E-06	5.91E-07	6.05E-07	5.49E-07	2.50E-07	2.36E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.30E-07	2.01E-08	1.83E-08	2.98E-07	3.08E-07	1.13E-07	1.54E-07	5.75E-08	3.08E-07	1.13E-07
4707	497363.1	3860377	8.71E-04	8.92E-04	8.41E-04	3.01E-07	9.10E-07	5.27E-07	5.40E-07	4.89E-07	2.23E-07	2.11E-07	0.00E+00	0.00E+00	9.69E-08	1.83E-08	1.16E-07	1.79E-08	1.63E-08	2.66E-07	2.75E-07	1.01E-07	1.37E-07	5.13E-08	2.75E-07	1.01E-07
4708	497863.1	3860377	9.24E-04	9.46E-04	8.93E-04	3.20E-07	9.66E-07	5.59E-07	5.73E-07	5.19E-07	2.37E-07	2.23E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.73E-08	2.82E-07	2.92E-07	1.07E-07	1.46E-07	5.44E-08	2.92E-07	1.07E-07
4709	498363.1	3860377	9.86E-04	1.01E-03	9.52E-04	3.41E-07	1.03E-06	5.97E-07	6.11E-07	5.54E-07	2.53E-07	2.38E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.32E-07	2.03E-08	1.85E-08	3.01E-07	3.11E-07	1.14E-07	1.55E-07	5.80E-08	3.11E-07	1.14E-07
4710	471363.1	3860877	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	0.00E+00	0.00E+00	1.76E-08	3.32E-09	2.11E-08	3.25E-09	2.96E-09	4.82E-08	4.98E-08	1.83E-08	2.49E-08	9.30E-09	4.98E-08	1.83E-08
4711	471863.1	3860877	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	0.00E+00	0.00E+00	1.79E-08	3.38E-09	2.15E-08	3.31E-09	3.01E-09	4.91E-08	5.08E-08	1.86E-08	2.53E-08	9.47E-09	5.08E-08	1.86E-08
4712	472363.1	3860877	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	0.00E+00	0.00E+00	1.84E-08	3.48E-09	2.21E-08	3.40E-09	3.09E-09	5.04E-08	5.22E-08	1.91E-08	2.60E-08	9.73E-09	5.22E-08	1.91E-08
4713	472863.1	3860877	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	0.00E+00	0.00E+00	1.87E-08	3.54E-09	2.25E-08	3.46E-09	3.15E-09	5.13E-08	5.31E-08	1.95E-08	2.65E-08	9.90E-09	5.31E-08	1.95E-08
4714	473363.1	3860877	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	0.00E+00	0.00E+00	1.92E-08	3.63E-09	2.30E-08	3.55E-09	3.23E-09	5.27E-08	5.45E-08	2.00E-08	2.72E-08	1.02E-08	5.45E-08	2.00E-08
4715	473863.1	3860877	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
4716	474363.1	3860877	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	0.00E+00	0.00E+00	1.99E-08	3.76E-09	2.38E-08	3.68E-09	3.34E-09	5.45E-08	5.64E-08	2.07E-08	2.81E-08	1.05E-08	5.64E-08	2.07E-08
4717	474863.1	3860877	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
4718	475363.1	3860877	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	0.00E+00	0.00E+00	2.00E-08	3.79E-09	2.40E-08	3.71E-09	3.37E-09	5.49E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
4719	475863.1	3860877	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
4720	476363.1	3860877	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
4721	476863.1	3860877	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	0.00E+00	0.00E+00	1.82E-08	3.45E-09	2.19E-08	3.37E-09	3.07E-09	5.00E-08	5.17E-08	1.90E-08	2.58E-08	9.64E-09	5.17E-08	1.90E-08
4722	477363.1	3860877	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	0.00E+00	0.00E+00	1.84E-08	3.48E-09	2.21E-08	3.40E-09	3.09E-09	5.04E-08	5.22E-08	1.91E-08	2.60E-08	9.73E-09	5.22E-08	1.91E-08
4723	477863.1	3860877	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	0.00E+00	0.00E+00	1.76E-08	3.32E-09	2.11E-08	3.25E-09	2.96E-09	4.82E-08	4.98E-08	1.83E-08	2.49E-08	9.30E-09	4.98E-08	1.83E-08
4724	478363.1	3860877	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	0.00E+00	0.00E+00	1.54E-08	2.92E-09	1.85E-08	2.86E-09	2.60E-09	4.23E-08	4.38E-08	1.61E-08	2.19E-08	8.17E-09	4.38E-08	1.61E-08
4725	478863.1	3860877	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
4726	479363.1	3860877	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.38E-09	2.78E-08	4.28E-09	3.90E-09	6.35E-08	6.57E-08	2.41E-08	3.28E-08	1.23E-08	6.57E-08	2.41E-08
4727	479863.1	3860877	2.32E-04	2.37E-04	2.24E-04	8.02E-08	2.42E-07	1.40E-07	1.44E-07	1.30E-07	5.94E-08	5.60E-08	0.00E+00	0.00E+00	2.58E-08	4.87E-09	3.09E-08	4.77E-09	4.34E-09	7.07E-08	7.31E-08	2.68E-08	3.65E-08	1.36E-08	7.31E-08	2.68E-08
4728	480363.1	3860877	2.51E-04	2.57E-04	2.42E-04	8.69E-08	2.62E-07	1.52E-07	1.55E-07	1.41E-07	6.43E-08	6.07E-08	0.00E+00	0.00E+00	2.79E-08	5.28E-09	3.35E-08	5.16E-09	4.70E-09	7.66E-08	7.92E-08	2.90E-08	3.95E-08	1.48E-08	7.92E-08	2.90E-08
4729	480863.1	3860877	2.63E-04	2.69E-04	2.54E-04	9.09E-08	2.75E-07	1.59E-07	1.63E-07	1.48E-07	6.73E-08	6.35E-08	0.00E+00	0.00E+00	2.92E-08	5.53E-09	3.51E-08	5.41E-09	4.92E-09	8.02E-08	8.29E-08	3.04E-08	4.14E-08	1.55E-08	8.29E-08	3.04E-08

4730	481363.1	3860877	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	0.00E+00	0.00E+00	3.06E-08	5.77E-09	3.66E-08	5.65E-09	5.14E-09	8.38E-08	8.66E-08	3.18E-08	4.32E-08	1.62E-08	8.66E-08	3.18E-08
4731	481863.1	3860877	2.88E-04	2.95E-04	2.78E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.62E-07	7.38E-08	6.96E-08	0.00E+00	0.00E+00	3.20E-08	6.05E-09	3.84E-08	5.92E-09	5.39E-09	8.78E-08	9.08E-08	3.33E-08	4.53E-08	1.69E-08	9.08E-08	3.33E-08
4732	482363.1	3860877	3.01E-04	3.08E-04	2.91E-04	1.04E-07	3.15E-07	1.82E-07	1.87E-07	1.69E-07	7.72E-08	7.28E-08	0.00E+00	0.00E+00	3.35E-08	6.33E-09	4.02E-08	6.20E-09	5.64E-09	9.19E-08	9.50E-08	3.49E-08	4.74E-08	1.77E-08	9.50E-08	3.49E-08
4733	482863.1	3860877	3.11E-04	3.19E-04	3.01E-04	1.08E-07	3.25E-07	1.88E-07	1.93E-07	1.75E-07	7.98E-08	7.53E-08	0.00E+00	0.00E+00	3.47E-08	6.55E-09	4.16E-08	6.41E-09	5.83E-09	9.50E-08	9.83E-08	3.60E-08	4.91E-08	1.83E-08	9.83E-08	3.60E-08
4734	483363.1	3860877	3.26E-04	3.34E-04	3.15E-04	1.13E-07	3.41E-07	1.97E-07	2.02E-07	1.83E-07	8.36E-08	7.89E-08	0.00E+00	0.00E+00	3.63E-08	6.86E-09	4.35E-08	6.71E-09	6.11E-09	9.95E-08	1.03E-07	3.78E-08	5.14E-08	1.92E-08	1.03E-07	3.78E-08
4735	483863.1	3860877	3.42E-04	3.51E-04	3.31E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.78E-08	8.28E-08	0.00E+00	0.00E+00	3.81E-08	7.20E-09	4.57E-08	7.05E-09	6.41E-09	1.04E-07	1.08E-07	3.96E-08	5.39E-08	2.02E-08	1.08E-07	3.96E-08
4736	484363.1	3860877	3.62E-04	3.70E-04	3.49E-04	1.25E-07	3.78E-07	2.19E-07	2.24E-07	2.03E-07	9.27E-08	8.74E-08	0.00E+00	0.00E+00	4.03E-08	7.61E-09	4.83E-08	7.44E-09	6.77E-09	1.10E-07	1.14E-07	4.19E-08	5.70E-08	2.13E-08	1.14E-07	4.19E-08
4737	484863.1	3860877	3.76E-04	3.85E-04	3.64E-04	1.30E-07	3.93E-07	2.28E-07	2.33E-07	2.11E-07	9.65E-08	9.10E-08	0.00E+00	0.00E+00	4.19E-08	7.92E-09	5.02E-08	7.75E-09	7.05E-09	1.15E-07	1.19E-07	4.36E-08	5.93E-08	2.22E-08	1.19E-07	4.36E-08
4738	485363.1	3860877	3.94E-04	4.04E-04	3.81E-04	1.36E-07	4.12E-07	2.38E-07	2.44E-07	2.21E-07	1.01E-07	9.53E-08	0.00E+00	0.00E+00	4.39E-08	8.29E-09	5.26E-08	8.11E-09	7.38E-09	1.20E-07	1.24E-07	4.56E-08	6.21E-08	2.32E-08	1.24E-07	4.56E-08
4739	485863.1	3860877	4.21E-04	4.31E-04	4.06E-04	1.46E-07	4.40E-07	2.55E-07	2.61E-07	2.36E-07	1.08E-07	1.02E-07	0.00E+00	0.00E+00	4.68E-08	8.85E-09	5.61E-08	8.66E-09	7.88E-09	1.28E-07	1.33E-07	4.87E-08	6.63E-08	2.48E-08	1.33E-07	4.87E-08
4740	486363.1	3860877	4.50E-04	4.61E-04	4.35E-04	1.56E-07	4.70E-07	2.72E-07	2.79E-07	2.53E-07	1.15E-07	1.09E-07	0.00E+00	0.00E+00	5.01E-08	9.47E-09	6.01E-08	9.27E-09	8.43E-09	1.37E-07	1.42E-07	5.21E-08	7.09E-08	2.65E-08	1.42E-07	5.21E-08
4741	486863.1	3860877	4.86E-04	4.97E-04	4.69E-04	1.68E-07	5.08E-07	2.94E-07	3.01E-07	2.73E-07	1.24E-07	1.17E-07	0.00E+00	0.00E+00	5.41E-08	1.02E-08	6.48E-08	9.99E-09	9.09E-09	1.48E-07	1.53E-07	5.62E-08	7.65E-08	2.86E-08	1.53E-07	5.62E-08
4742	487363.1	3860877	5.22E-04	5.35E-04	5.05E-04	1.81E-07	5.46E-07	3.16E-07	3.24E-07	2.94E-07	1.34E-07	1.26E-07	0.00E+00	0.00E+00	5.82E-08	1.10E-08	6.97E-08	1.08E-08	9.78E-09	1.59E-07	1.65E-07	6.05E-08	8.23E-08	3.08E-08	1.65E-07	6.05E-08
4743	487863.1	3860877	5.68E-04	5.82E-04	5.49E-04	1.97E-07	5.94E-07	3.44E-07	3.52E-07	3.19E-07	1.46E-07	1.37E-07	0.00E+00	0.00E+00	6.33E-08	1.20E-08	7.58E-08	1.17E-08	1.06E-08	1.73E-07	1.79E-07	6.58E-08	8.95E-08	3.34E-08	1.79E-07	6.58E-08
4744	488363.1	3860877	6.26E-04	6.41E-04	6.05E-04	2.17E-07	6.54E-07	3.79E-07	3.88E-07	3.52E-07	1.60E-07	1.51E-07	0.00E+00	0.00E+00	6.97E-08	1.32E-08	8.35E-08	1.29E-08	1.17E-08	1.91E-07	1.98E-07	7.24E-08	9.86E-08	3.68E-08	1.98E-07	7.24E-08
4745	488863.1	3860877	6.82E-04	6.98E-04	6.59E-04	2.36E-07	7.13E-07	4.13E-07	4.23E-07	3.83E-07	1.75E-07	1.65E-07	0.00E+00	0.00E+00	7.59E-08	1.43E-08	9.10E-08	1.40E-08	1.28E-08	2.08E-07	2.15E-07	7.89E-08	1.07E-07	4.01E-08	2.15E-07	7.89E-08
4746	489363.1	3860877	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	0.00E+00	0.00E+00	8.48E-08	1.60E-08	1.02E-07	1.57E-08	1.43E-08	2.32E-07	2.40E-07	8.82E-08	1.20E-07	4.48E-08	2.40E-07	8.82E-08
4747	489863.1	3860877	8.75E-04	8.96E-04	8.46E-04	3.03E-07	9.15E-07	5.30E-07	5.42E-07	4.92E-07	2.24E-07	2.12E-07	0.00E+00	0.00E+00	9.74E-08	1.84E-08	1.17E-07	1.80E-08	1.64E-08	2.67E-07	2.76E-07	1.01E-07	1.38E-07	5.15E-08	2.76E-07	1.01E-07
4748	490363.1	3860877	1.06E-03	1.08E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.54E-07	5.93E-07	2.70E-07	2.55E-07	0.00E+00	0.00E+00	1.17E-07	2.22E-08	1.41E-07	2.17E-08	1.98E-08	3.22E-07	3.33E-07	1.22E-07	1.66E-07	6.21E-08	3.33E-07	1.22E-07
4749	490863.1	3860877	1.35E-03	1.39E-03	1.31E-03	4.68E-07	1.41E-06	8.19E-07	8.39E-07	7.60E-07	3.47E-07	3.27E-07	0.00E+00	0.00E+00	1.51E-07	2.85E-08	1.81E-07	2.79E-08	2.53E-08	4.13E-07	4.27E-07	1.57E-07	2.13E-07	7.97E-08	4.27E-07	1.57E-07
4750	491363.1	3860877	1.95E-03	2.00E-03	1.88E-03	6.74E-07	2.04E-06	1.18E-06	1.21E-06	1.09E-06	4.99E-07	4.71E-07	0.00E+00	0.00E+00	2.17E-07	4.10E-08	2.60E-07	4.01E-08	3.65E-08	5.94E-07	6.15E-07	2.26E-07	3.07E-07	1.15E-07	6.15E-07	2.26E-07
4751	491863.1	3860877	4.24E-03	4.34E-03	4.10E-03	1.47E-06	4.43E-06	2.57E-06	2.63E-06	2.38E-06	1.09E-06	1.03E-06	0.00E+00	0.00E+00	4.72E-07	8.92E-08	5.66E-07	8.73E-08	7.94E-08	1.29E-06	1.34E-06	4.91E-07	6.68E-07	2.50E-07	1.34E-06	4.91E-07
4752	492363.1	3860877	2.27E-02	2.33E-02	2.19E-02	7.86E-06	2.37E-05	1.37E-05	1.41E-05	1.28E-05	5.82E-06	5.49E-06	0.00E+00	0.00E+00	2.53E-06	4.78E-07	3.03E-06	4.68E-07	4.25E-07	6.93E-06	7.17E-06	2.63E-06	3.58E-06	1.34E-06	7.17E-06	2.63E-06
4753	492863.1	3860877	6.68E-03	6.84E-03	6.46E-03	2.31E-06	6.98E-06	4.04E-06	4.14E-06	3.75E-06	1.71E-06	1.62E-06	0.00E+00	0.00E+00	7.44E-07	1.41E-07	8.92E-07	1.38E-07	1.25E-07	2.04E-06	2.11E-06	7.74E-07	1.05E-06	3.93E-07	2.11E-06	7.74E-07
4754	493363.1	3860877	4.22E-03	4.32E-03	4.07E-03	1.46E-06	4.41E-06	2.55E-06	2.61E-06	2.37E-06	1.08E-06	1.02E-06	0.00E+00	0.00E+00	4.69E-07	8.87E-08	5.63E-07	8.68E-08	7.89E-08	1.29E-06	1.33E-06	4.88E-07	6.64E-07	2.48E-07	1.33E-06	4.88E-07
4755	493863.1	3860877	3.30E-03	3.38E-03	3.18E-03	1.14E-06	3.44E-06	1.99E-06	2.04E-06	1.85E-06	8.45E-07	7.97E-07	0.00E+00	0.00E+00	3.67E-07	6.93E-08	4.40E-07	6.78E-08	6.17E-08	1.01E-06	1.04E-06	3.81E-07	5.19E-07	1.94E-07	1.04E-06	3.81E-07
4756	494363.1	3860877	2.77E-03	2.84E-03	2.68E-03	9.60E-07	2.90E-06	1.68E-06	1.72E-06	1.56E-06	7.11E-07	6.71E-07	0.00E+00	0.00E+00	3.09E-07	5.84E-08	3.70E-07	5.71E-08	5.19E-08	8.47E-07	8.76E-07	3.21E-07	4.37E-07	1.63E-07	8.76E-07	3.21E-07
4757	494863.1	3860877	2.38E-03	2.44E-03	2.30E-03	8.23E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.09E-07	5.75E-07	0.00E+00	0.00E+00	2.65E-07	5.00E-08	3.17E-07	4.89E-08	4.45E-08	7.25E-07	7.50E-07	2.75E-07	3.75E-07	1.40E-07	7.50E-07	2.75E-07
4758	495363.1	3860877	2.08E-03	2.13E-03	2.01E-03	7.19E-07	2.17E-06	1.26E-06	1.29E-06	1.17E-06	5.33E-07	5.02E-07	0.00E+00	0.00E+00	2.31E-07	4.37E-08	2.77E-07	4.28E-08	3.89E-08	6.34E-07	6.56E-07	2.41E-07	3.27E-07	1.22E-07	6.56E-07	2.41E-07
4759	495863.1	3860877	1.88E-03	1.93E-03	1.82E-03	6.52E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.83E-07	4.55E-07	0.00E+00	0.00E+00	2.10E-07	3.96E-08	2.51E-07	3.88E-08	3.53E-08	5.75E-07	5.94E-07	2.18E-07	2.97E-07	1.11E-07	5.94E-07	2.18E-07
4760	496363.1	3860877	1.61E-03	1.65E-03	1.56E-03	5.58E-07	1.68E-06	9.75E-07	9.99E-07	9.05E-07	4.13E-07	3.90E-07	0.00E+00	0.00E+00	1.79E-07	3.39E-08	2.15E-07	3.32E-08	3.02E-08	4.92E-07	5.09E-07	1.87E-07	2.54E-07	9.49E-08	5.09E-07	1.87E-07
4761	496863.1	3860877	1.31E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.95E-07	8.14E-07	7.38E-07	3.37E-07	3.18E-07	0.00E+00	0.00E+00	1.46E-07	2.76E-08	1.75E-07	2.70E-08	2.46E-08	4.01E-07	4.15E-07	1.52E-07	2.07E-07	7.73E-08	4.15E-07	1.52E-07
4762	497363.1	3860877	1.23E-03	1.26E-03	1.19E-03	4.27E-07	1.29E-06	7.46E-07	7.64E-07	6.92E-07	3.16E-07	2.98E-07	0.00E+00	0.00E+00	1.37E-07	2.59E-08	1.64E-07	2.54E-08	2.31E-08	3.76E-07	3.89E-07	1.43E-07	1.94E-07	7.25E-08	3.89E-07	1.43E-07
4763	497863.1	3860877	1.13E-03	1.16E-03	1.09E-03	3.91E-07	1.18E-06	6.83E-07	7.00E-07	6.34E-07	2.89E-07	2.73E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.51E-07	2.32E-08	2.11E-08	3.45E-07	3.56E-07	1.31E-07	1.78E-07	6.65E-08	3.56E-07	1.31E-07
4764	498363.1	3860877	1.14E-03	1.17E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	7.07E-07	6.41E-07	2.92E-07	2.76E-07	0.00E+00	0.00E+00	1.27E-07	2.40E-08	1.52E-07	2.35E-08	2.14E-08	3.48E-07	3.60E-07	1.32E-07	1.80E-07	6.72E-08	3.60E-07	1.32E-07
4765	471363.1	3861377	1.55E-04	1.59E-04	1.50E-04	5.36E-08	1.62E-07	9.38E-08	9.60E-08	8.71E-08	3.97E-08	3.75E-08	0.00E+00	0.00E+00	1.73E-08	3.26E-09	2.07E-08	3.19E-09	2.90E-09	4.73E-08	4.89E-08	1.79E-08	2.44E-08	9.12E-09	4.89E-08	1.79E-08
4766	471863.1	3861377	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	0.00E+00	0.00E+00	1.76E-08	3.32E-09	2.11E-08	3.25E-09	2.96E-09	4.82E-08	4.98E-08	1.83E-08	2.49E-08	9.30E-09	4.98E-08	1.83E-08
4767	472363.1	3861377	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	0.00E+00	0.00E+00	1.79E-08	3.38E-09	2.15E-08	3.31E-09	3.01E-09	4.91E-08	5.08E-08	1.86E-08	2.53E-08	9.47E-09	5.08E-08	1.86E-08
4768	472863.1	3861377	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	0.00E+00	0.00E+00	1.84E-08	3.48E-09	2.21E-08	3.40E-09	3.09E-09	5.04E-08	5.22E-08	1.91E-08	2.60E-08	9.73E-09	5.22E-08	1.91E-08
4769	473363.1	3861377	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	0.00E+00	0.00E+00	1.87E-08	3.54E-09	2.25E-08	3.46E-09	3.15E-09	5.13E-08	5.31E-08	1.95E-08	2.65E-08	9.90E-09	5.31E-08	1.95E-08
4770	473863.1	3861377	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	0.00E+00	0.00E+00	1.91E-08	3.60E-09	2.29E-08	3.52E-09	3.21E-09	5.22E-08	5.40E-08	1.98E-08	2.70E-08	1.01E-08	5.40E-08	1.98E-08
4771	474363.1	3861377	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	0.00E+00	0.00E+00	1.94E-08	3.66E-09	2.32E-08	3.58E-09	3.26E-09	5.31E-08	5.50E-08	2.02E-08	2.74E-08	1.03E-08	5.50E-08	2.02E-08
4772	474863.1	3861377	1.77E-04	1.81E-04	1.71E-04	6.13E-08	1.85E-07	1.07E-07	1.10E-07	9.95E-08	4.54E-08	4.28E-08	0.00E+00	0.00E+00	1.97E-08	3.73E-09	2.36E-08	3.65E-09	3.32E-09	5.40E-08	5.59E-08	2.05E-08	2.79E-08	1.04E-08	5.59E-08	2.05E-08
4773	475363.1	3861377	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
4774	475863.1	3861377	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	0.00E+00	0.00E+00	2.04E-08	3.85E-09	2.44E-08	3.77E-09	3.43E-09	5.58E-08	5.78E-08	2.12E-08	2.88E-08	1.08E-08	5.78E-08	2.12E-08
4775	476363.1	3861377	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
4776	476863.1	3861377	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	0.00E+00	0.00E+00	2.00E-08	3.79E-09	2.40E-08	3.71E-09	3.37E-09	5.49E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
4777	477363.1	3861377	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	0.00E+00	0.00E+00	2.00E-08	3.79E-09	2.40E-08	3.71E-09	3.37E-09	5.49E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
4778	477863.1	3861377	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
4779	478363.1	3861377	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	0.00E+00	0.00E+00	1.56E-08	2.95E-09	1.87E-08	2.89E-09	2.63E-09	4.28E-08	4.43E-08	1.62E-08	2.21E-08	8.25E-09	4.43E-08	1.62E-08
4780	478863.1	3861377	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	0.00E+00	0.00E+00	1.68E-08	3.17E-09	2.01E-08	3.10E-09	2.82E-09	4.59E-08	4.75E-08	1.74E-08	2.37E-08	8.86E-09	4.75E-08	1.74E-08
4781	479363.1	3861377	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	0.00E+00	0.00E+00	2.15E-08	4.07E-09	2.58E-08	3.98E-09	3.62E-09	5.90E-08	6.10E-08	2.24E-08	3.05E-08	1.14E-08	6.10E-08	2.24E-08
4782	479863.1	3861377	2.18E-04	2.24E-04	2.11E-04	7.56E-08	2.28E-07	1.32E-07	1.35E-07	1.23E-07	5.60E-08	5.28E-08	0.00E+00	0.00E+00	2.43E-08	4.59E-09	2.92E-08	4.50E-09	4.09E-09	6.67E-08	6.89E-08	2.53E-08	3.44E-08	1.29E-08	6.89E-08	2.53E-08
4783	480363.1	3861377	2.38E-04	2.43E-04	2.30E-04	8.23E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.09E-08	5.75E-08	0.00E+00	0.00E+00	2.65E-08	5.00E-09	3.17E-08	4.89E-09	4.45E-09	7.25E-08	7.50E-08	2.75E-08	3.74E-08	1.40E-08	7.50E-08	2.75E-08
4784	480863.1	3861377	2.49E-04	2.55E-04	2.41E-04	8.63E-08	2.61E-07	1.51E-07	1.55E-07	1.40E-07	6.39E-08	6.03E-08	0.00E+00	0.00E+00	2.78E-08	5.25E-09	3.33E-08	5.13E-09	4.67E-09	7.61E-08	7.87E-08	2.89E-08	3.93E-08	1.47E-08	7.87E-08	2.89E-08
4785	481363.1	3861377	2.60E-04	2.66E-04	2.51E-04	8.99E-08	2.71E-07	1.57E-07	1.61E-07	1.46E-07	6.66E-08	6.28E-08	0.00E+00	0.00E+00	2.89E-08	5.46E-09	3.47E-08	5.35E-09	4.86E-09	7.93E-08	8.20E-08	3.01E-08	4.09E-08	1.53E-08	8.20E-08	3.01E-08
4786	481863.1	3861377	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	0.00E+00	0.00E+00	3.02E-08	5.71E-09	3.62E-08	5.59E-09	5.08E-09	8.29E-08	8.57E-08	3.14E-08	4.28E-08	1.60E-08	8.57E-08	3.14E-08
4787	482363.1	3861377	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	0.00E+00	0.00E+00	3.14E-08	5.93E-09	3.76E-08	5.80E-09	5.28E-09	8.60E-08	8.90E-08	3.26E-08	4.44E-08	1.66E-08	8.90E-08	3.26E-08
4788	482863.1	3861377	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	0.00E+00	0.00E+00	3.22E-08	6.08E-09	3.86E-08	5.95E-09	5.42E-09	8.83E-08	9.13E-08	3.35E-08	4.56E-08	1.70E-08	9.13E-08	3.35E-08
4789	483363.1	3861377	3.01E-04	3.08E-04	2.91E-04	1.04E-07	3.15E-07	1.82E-07	1.87E-07	1.69E-07	7.72E-08	7.28E-08	0.00E+00	0.00E+00	3.35E-08	6.33E-09	4.02E-08	6.20E-09	5.64E-09	9.19E-08	9.50E-08	3.49E-08	4.74E-08	1.77E-08	9.50E-08	3.49E-08
4790	483863.1	3861377	3.13E-04	3.20E-04	3.02E-04	1.08E-07	3.27E-07	1.89E-07	1.94E-07	1.76E-07	8.02E-08	7.57E-08	0.00E+00	0.00E+00	3.48E-08	6.58E-09	4.18E-08	6.44E-09	5.86E-09	9.55E-08	9.88E-08	3.62E-08	4.93E-08	1.84E-08	9.88E-08	3.62E-08
4791	484363.1	3861377	3.26E-04	3.34E-04	3.15E-04	1.13E-07	3.41E-07	1.97E-07	2.02E-07	1.83E-07	8.36E-08	7.89E-08	0.00E+00	0.00E+00	3.63E-08	6.86E-09	4.35E-08	6.71E-09	6.11E-09	9.95E-08	1.03E-07	3.78E-08	5.14E-08	1.92E-08	1.03E-07	3.78E-08
4792	484863.1	3861377	3.39E-04	3.48E-04	3.28E-04	1.18E-07	3.55E-07	2.05E-07	2.10E-07	1.91E-07	8.70E-08	8.21E-08	0.00E+00	0.00E+00	3.78E-08	7.14E-09	4.53E-08	6.99E-09	6.36E-09	1.04E-07	1.07E-07	3.93E-08	5.35E-08	2.00E-08	1.07E-07	3.93E-08
4793	485363.1	3861377	3.51E-04	3.60E-04	3.39E-04	1.22E-07	3.67E-07	2.13E-07	2.18E-07	1.97E-07	9.00E-08	8.49E-08	0.00E+00	0.00E+00	3.91E-08	7.39E-09	4.69E-08	7.23E-09	6.58E-09	1.07E-07	1.11E-07	4.07E-08	5.53E-08	2.07E-08	1.11E-07	4.07E-08
4794	485863.1	3861377	3.67E-04	3.76E-04	3.55E-04	1.27E-07	3.84E-07	2.22E-07	2.28E-07	2.06E-07	9.42E-08	8.89E-08	0.00E+00	0.00E+00	4.09E-08	7.73E-09	4.91E-08	7.56E-09	6.88E-09	1.12E-07	1.16E-07	4.25E-08	5.79E-08	2.16E-08	1.16E-07	4.25E-08
4795	486363.1	3861377	3.91E-04	4.01E-04	3.78E-04	1.35E-07	4.09E-07	2.37E-07	2.42E-07	2.20E-07	1.00E-07	9.46E-08	0.00E+00	0.00E+00	4.35E-08	8.23E-09	5.22E-08	8.05E-09	7.32E-09	1.19E-07	1.23E-07	4.53E-08	6.16E-08	2.30E-08	1.23E-07	4.53E-08
4796	486863.1	3861377	4.19E-04	4.29E-04	4.05E-04	1.45E-07	4.38E-07	2.54E-07	2.60E-07	2.35E-07	1.07E-07	1.01E-07	0.00E+00	0.00E+00	4.67E-08	8.82E-09	5.59E-08	8.63E-09	7.85E-09	1.28E-07	1.32E-07	4.85E-08	6.60E-08	2.47E-08	1.32E-07	4.85E-08
4797	487363.1	3861377	4.49E-04	4.60E-04	4.33E-04	1.55E-07	4.69E-07	2.71E-07	2.78E-07	2.52E-07	1.15E-07	1.08E-07	0.00E+00	0.00E+00	4.99E-08	9.44E-09	5.99E-08	9.24E-09	8.40E-09	1.37E-07	1.42E-07	5.19E-08	7.07E-08	2.64E-08	1.42E-07	5.19E-08
4798	487863.1	3861377	4.81E-04	4.93E-04	4.65E-04	1.67E-07	5.03E-07	2.91E-07	2.98E-07	2.70E-07	1.23E-07	1.16E-07	0.00E+00	0.00E+00	5.36E-08	1.01E-08	6.42E-08	9.90E-09	9.01E-09	1.47E-07	1.52E-07	5.57E-08	7.58E-08	2.83E-08	1.52E-07	5.57E-08
4799	488363.1	3861377	5.20E-04	5.32E-04	5.02E-04	1.80E-07	5.43E-07	3.14E-07	3.22E-07	2.92E-07	1.33E-07	1.26E-07	0.00E+00	0.00E+00	5.78E-08	1.09E-08	6.93E-08	1.07E-08	9.73E-09	1.59E-07	1.64E-07	6.01E-08	8.18E-08	3.06E-08	1.64E-07	6.01E-08
4800	488863.1	3861377	5.62E-04	5.76E-04	5.43E-04	1.95E-07	5.88E-07	3.40E-07	3.48E-07	3.16E-07	1.44E-07	1.36E-07	0.00E+00	0.00E+00	6.26E-08	1.18E-08	7.51E-08	1.16E-08	1.05E-08	1.72E-07	1.77E-07	6.51E-08	8.86E-08	3.31E-08	1.77E-07	6.51E-08
4801	489363.1	3861377	6.08E-04	6.23E-04	5.87E-04	2.10E-07	6.36E-07	3.68E-07	3.77E-07	3.42E-07	1.56E-07	1.47E-07	0.00E+00	0.00E+00	6.77E-08	1.28E-08	8.12E-08	1.25E-08	1.14E-08	1.86E-07	1.92E-07	7.04E-08	9.58E-08	3.58E-08	1.92E-07	7.04E-08
4802	489863.1	3861377	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	0.00E+00	0.00E+00	7.48E-08	1.41E-08	8.96E-08	1.38E-08	1.26E-08	2.05E-07	2.12E-07	7.77E-08	1.06E-07	3.95E-08	2.12E-07	7.77E-08
4803	490363.1	3861377	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.54E-08	1.61E-08	1.02E-07	1.58E-08	1.44E-08	2.34E-07	2.42E-07	8.88E-08	1.21E-07	4.52E-08	2.42E-07	8.88E-08

4804	490863.1	3861377	9.08E-04	9.30E-04	8.77E-04	3.14E-07	9.49E-07	5.49E-07	5.63E-07	5.10E-07	2.33E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.70E-08	2.77E-07	2.86E-07	1.05E-07	1.43E-07	5.34E-08	2.86E-07	1.05E-07
4805	491363.1	3861377	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.99E-07	6.33E-07	2.89E-07	2.73E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.51E-07	2.32E-08	2.11E-08	3.44E-07	3.56E-07	1.31E-07	1.78E-07	6.64E-08	3.56E-07	1.31E-07
4806	491863.1	3861377	1.56E-03	1.59E-03	1.50E-03	5.38E-07	1.63E-06	9.41E-07	9.64E-07	8.74E-07	3.99E-07	3.76E-07	0.00E+00	0.00E+00	1.73E-07	3.27E-08	2.08E-07	3.20E-08	2.91E-08	4.75E-07	4.91E-07	1.80E-07	2.45E-07	9.16E-08	4.91E-07	1.80E-07
4807	492363.1	3861377	2.74E-03	2.80E-03	2.64E-03	9.47E-07	2.86E-06	1.66E-06	1.70E-06	1.54E-06	7.01E-07	6.62E-07	0.00E+00	0.00E+00	3.05E-07	5.76E-08	3.65E-07	5.63E-08	5.12E-08	8.35E-07	8.64E-07	3.17E-07	4.31E-07	1.61E-07	8.64E-07	3.17E-07
4808	492863.1	3861377	9.51E-03	9.74E-03	9.19E-03	3.29E-06	9.94E-06	5.75E-06	5.89E-06	5.34E-06	2.44E-06	2.30E-06	0.00E+00	0.00E+00	1.06E-06	2.00E-07	1.27E-06	1.96E-07	1.78E-07	2.90E-06	3.00E-06	1.10E-06	1.50E-06	5.60E-07	3.00E-06	1.10E-06
4809	493363.1	3861377	4.26E-02	4.37E-02	4.12E-02	1.48E-05	4.46E-05	2.58E-05	2.64E-05	2.40E-05	1.09E-05	1.03E-05	0.00E+00	0.00E+00	4.75E-06	8.97E-07	5.69E-06	8.78E-07	7.98E-07	1.30E-05	1.35E-05	4.94E-06	6.72E-06	2.51E-06	1.35E-05	4.94E-06
4810	493863.1	3861377	1.27E-02	1.30E-02	1.23E-02	4.40E-06	1.33E-05	7.69E-06	7.88E-06	7.14E-06	3.26E-06	3.07E-06	0.00E+00	0.00E+00	1.41E-06	2.67E-07	1.70E-06	2.62E-07	2.38E-07	3.88E-06	4.01E-06	1.47E-06	2.00E-06	7.48E-07	4.01E-06	1.47E-06
4811	494363.1	3861377	7.35E-03	7.53E-03	7.10E-03	2.54E-06	7.68E-06	4.45E-06	4.55E-06	4.13E-06	1.88E-06	1.78E-06	0.00E+00	0.00E+00	8.18E-07	1.55E-07	9.81E-07	1.51E-07	1.38E-07	2.24E-06	2.32E-06	8.51E-07	1.16E-06	4.33E-07	2.32E-06	8.51E-07
4812	494863.1	3861377	5.16E-03	5.28E-03	4.98E-03	1.79E-06	5.39E-06	3.12E-06	3.20E-06	2.90E-06	1.32E-06	1.25E-06	0.00E+00	0.00E+00	5.74E-07	1.09E-07	6.89E-07	1.06E-07	9.66E-08	1.57E-06	1.63E-06	5.97E-07	8.13E-07	3.04E-07	1.63E-06	5.97E-07
4813	495363.1	3861377	4.03E-03	4.13E-03	3.90E-03	1.40E-06	4.22E-06	2.44E-06	2.50E-06	2.27E-06	1.03E-06	9.75E-07	0.00E+00	0.00E+00	4.49E-07	8.48E-08	5.38E-07	8.30E-08	7.55E-08	1.23E-06	1.27E-06	4.67E-07	6.35E-07	2.37E-07	1.27E-06	4.67E-07
4814	495863.1	3861377	3.36E-03	3.44E-03	3.25E-03	1.16E-06	3.52E-06	2.04E-06	2.08E-06	1.89E-06	8.62E-07	8.13E-07	0.00E+00	0.00E+00	3.74E-07	7.08E-08	4.49E-07	6.92E-08	6.30E-08	1.03E-06	1.06E-06	3.89E-07	5.30E-07	1.98E-07	1.06E-06	3.89E-07
4815	496363.1	3861377	2.79E-03	2.86E-03	2.69E-03	9.65E-07	2.91E-06	1.69E-06	1.73E-06	1.57E-06	7.15E-07	6.74E-07	0.00E+00	0.00E+00	3.10E-07	5.86E-08	3.72E-07	5.74E-08	5.22E-08	8.51E-07	8.80E-07	3.23E-07	4.39E-07	1.64E-07	8.80E-07	3.23E-07
4816	496863.1	3861377	2.18E-03	2.24E-03	2.11E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.23E-06	5.60E-07	5.28E-07	0.00E+00	0.00E+00	2.43E-07	4.59E-08	2.91E-07	4.49E-08	4.09E-08	6.66E-07	6.89E-07	2.53E-07	3.44E-07	1.28E-07	6.89E-07	2.53E-07
4817	497363.1	3861377	1.91E-03	1.96E-03	1.85E-03	6.63E-07	2.00E-06	1.16E-06	1.19E-06	1.08E-06	4.91E-07	4.63E-07	0.00E+00	0.00E+00	2.13E-07	4.03E-08	2.56E-07	3.94E-08	3.58E-08	5.84E-07	6.04E-07	2.22E-07	3.02E-07	1.13E-07	6.04E-07	2.22E-07
4818	497863.1	3861377	1.70E-03	1.74E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.56E-07	4.36E-07	4.11E-07	0.00E+00	0.00E+00	1.89E-07	3.58E-08	2.27E-07	3.50E-08	3.19E-08	5.19E-07	5.37E-07	1.97E-07	2.68E-07	1.00E-07	5.37E-07	1.97E-07
4819	498363.1	3861377	1.52E-03	1.56E-03	1.47E-03	5.27E-07	1.59E-06	9.22E-07	9.44E-07	8.56E-07	3.90E-07	3.68E-07	0.00E+00	0.00E+00	1.70E-07	3.20E-08	2.03E-07	3.14E-08	2.85E-08	4.65E-07	4.81E-07	1.76E-07	2.40E-07	8.97E-08	4.81E-07	1.76E-07
4820	471363.1	3861877	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	0.00E+00	0.00E+00	1.68E-08	3.17E-09	2.01E-08	3.10E-09	2.82E-09	4.59E-08	4.75E-08	1.74E-08	2.37E-08	8.86E-09	4.75E-08	1.74E-08
4821	471863.1	3861877	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	0.00E+00	0.00E+00	1.71E-08	3.23E-09	2.05E-08	3.16E-09	2.87E-09	4.68E-08	4.84E-08	1.78E-08	2.42E-08	9.04E-09	4.84E-08	1.78E-08
4822	472363.1	3861877	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	0.00E+00	0.00E+00	1.74E-08	3.29E-09	2.09E-08	3.22E-09	2.93E-09	4.77E-08	4.94E-08	1.81E-08	2.46E-08	9.21E-09	4.94E-08	1.81E-08
4823	472863.1	3861877	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	0.00E+00	0.00E+00	1.79E-08	3.38E-09	2.15E-08	3.31E-09	3.01E-09	4.91E-08	5.08E-08	1.86E-08	2.53E-08	9.47E-09	5.08E-08	1.86E-08
4824	473363.1	3861877	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	0.00E+00	0.00E+00	1.82E-08	3.45E-09	2.19E-08	3.37E-09	3.07E-09	5.00E-08	5.17E-08	1.90E-08	2.58E-08	9.64E-09	5.17E-08	1.90E-08
4825	473863.1	3861877	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
4826	474363.1	3861877	1.70E-04	1.74E-04	1.64E-04	5.88E-08	1.77E-07	1.03E-07	1.05E-07	9.53E-08	4.35E-08	4.10E-08	0.00E+00	0.00E+00	1.89E-08	3.57E-09	2.27E-08	3.49E-09	3.18E-09	5.18E-08	5.36E-08	1.96E-08	2.67E-08	9.99E-09	5.36E-08	1.96E-08
4827	474863.1	3861877	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	0.00E+00	0.00E+00	1.92E-08	3.63E-09	2.30E-08	3.55E-09	3.23E-09	5.27E-08	5.45E-08	2.00E-08	2.72E-08	1.02E-08	5.45E-08	2.00E-08
4828	475363.1	3861877	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
4829	475863.1	3861877	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	0.00E+00	0.00E+00	2.00E-08	3.79E-09	2.40E-08	3.71E-09	3.37E-09	5.49E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
4830	476363.1	3861877	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	0.00E+00	0.00E+00	2.04E-08	3.85E-09	2.44E-08	3.77E-09	3.43E-09	5.58E-08	5.78E-08	2.12E-08	2.88E-08	1.08E-08	5.78E-08	2.12E-08
4831	476863.1	3861877	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	0.00E+00	0.00E+00	2.05E-08	3.88E-09	2.46E-08	3.80E-09	3.45E-09	5.63E-08	5.82E-08	2.14E-08	2.91E-08	1.09E-08	5.82E-08	2.14E-08
4832	477363.1	3861877	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	0.00E+00	0.00E+00	2.05E-08	3.88E-09	2.46E-08	3.80E-09	3.45E-09	5.63E-08	5.82E-08	2.14E-08	2.91E-08	1.09E-08	5.82E-08	2.14E-08
4833	477863.1	3861877	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	0.00E+00	0.00E+00	1.82E-08	3.45E-09	2.19E-08	3.37E-09	3.07E-09	5.00E-08	5.17E-08	1.90E-08	2.58E-08	9.64E-09	5.17E-08	1.90E-08
4834	478363.1	3861877	1.30E-04	1.33E-04	1.25E-04	4.50E-08	1.36E-07	7.86E-08	8.05E-08	7.30E-08	3.33E-08	3.14E-08	0.00E+00	0.00E+00	1.45E-08	2.73E-09	1.73E-08	2.67E-09	2.43E-09	3.96E-08	4.10E-08	1.50E-08	2.05E-08	7.65E-09	4.10E-08	1.50E-08
4835	478863.1	3861877	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	0.00E+00	0.00E+00	1.69E-08	3.20E-09	2.03E-08	3.13E-09	2.85E-09	4.64E-08	4.80E-08	1.76E-08	2.39E-08	8.95E-09	4.80E-08	1.76E-08
4836	479363.1	3861877	1.48E-04	1.51E-04	1.43E-04	5.11E-08	1.54E-07	8.93E-08	9.15E-08	8.29E-08	3.78E-08	3.57E-08	0.00E+00	0.00E+00	1.64E-08	3.10E-09	1.97E-08	3.04E-09	2.76E-09	4.50E-08	4.66E-08	1.71E-08	2.33E-08	8.69E-09	4.66E-08	1.71E-08
4837	479863.1	3861877	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.38E-09	2.78E-08	4.28E-09	3.90E-09	6.35E-08	6.57E-08	2.41E-08	3.28E-08	1.23E-08	6.57E-08	2.41E-08
4838	480363.1	3861877	2.27E-04	2.33E-04	2.20E-04	7.87E-08	2.38E-07	1.38E-07	1.41E-07	1.28E-07	5.83E-08	5.50E-08	0.00E+00	0.00E+00	2.53E-08	4.78E-09	3.03E-08	4.68E-09	4.26E-09	6.94E-08	7.17E-08	2.63E-08	3.58E-08	1.34E-08	7.17E-08	2.63E-08
4839	480863.1	3861877	2.36E-04	2.42E-04	2.28E-04	8.17E-08	2.47E-07	1.43E-07	1.46E-07	1.33E-07	6.05E-08	5.71E-08	0.00E+00	0.00E+00	2.63E-08	4.97E-09	3.15E-08	4.86E-09	4.42E-09	7.21E-08	7.45E-08	2.73E-08	3.72E-08	1.39E-08	7.45E-08	2.73E-08
4840	481363.1	3861877	2.45E-04	2.51E-04	2.37E-04	8.48E-08	2.56E-07	1.48E-07	1.52E-07	1.38E-07	6.28E-08	5.92E-08	0.00E+00	0.00E+00	2.73E-08	5.15E-09	3.27E-08	5.04E-09	4.59E-09	7.48E-08	7.73E-08	2.84E-08	3.86E-08	1.44E-08	7.73E-08	2.84E-08
4841	481863.1	3861877	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	0.00E+00	0.00E+00	2.84E-08	5.37E-09	3.41E-08	5.26E-09	4.78E-09	7.79E-08	8.06E-08	2.96E-08	4.02E-08	1.50E-08	8.06E-08	2.96E-08
4842	482363.1	3861877	2.64E-04	2.71E-04	2.55E-04	9.15E-08	2.76E-07	1.60E-07	1.64E-07	1.48E-07	6.77E-08	6.39E-08	0.00E+00	0.00E+00	2.94E-08	5.56E-09	3.53E-08	5.44E-09	4.95E-09	8.06E-08	8.34E-08	3.06E-08	4.16E-08	1.56E-08	8.34E-08	3.06E-08
4843	482863.1	3861877	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	0.00E+00	0.00E+00	3.01E-08	5.68E-09	3.61E-08	5.56E-09	5.06E-09	8.24E-08	8.52E-08	3.13E-08	4.25E-08	1.59E-08	8.52E-08	3.13E-08
4844	483363.1	3861877	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	0.00E+00	0.00E+00	3.12E-08	5.90E-09	3.74E-08	5.77E-09	5.25E-09	8.56E-08	8.85E-08	3.25E-08	4.42E-08	1.65E-08	8.85E-08	3.25E-08
4845	483863.1	3861877	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	0.00E+00	0.00E+00	3.22E-08	6.08E-09	3.86E-08	5.95E-09	5.42E-09	8.83E-08	9.13E-08	3.35E-08	4.56E-08	1.70E-08	9.13E-08	3.35E-08
4846	484363.1	3861877	3.01E-04	3.08E-04	2.91E-04	1.04E-07	3.15E-07	1.82E-07	1.87E-07	1.69E-07	7.72E-08	7.28E-08	0.00E+00	0.00E+00	3.35E-08	6.33E-09	4.02E-08	6.20E-09	5.64E-09	9.19E-08	9.50E-08	3.49E-08	4.74E-08	1.77E-08	9.50E-08	3.49E-08
4847	484863.1	3861877	3.13E-04	3.20E-04	3.02E-04	1.08E-07	3.27E-07	1.89E-07	1.94E-07	1.76E-07	8.02E-08	7.57E-08	0.00E+00	0.00E+00	3.48E-08	6.58E-09	4.18E-08	6.44E-09	5.86E-09	9.55E-08	9.88E-08	3.62E-08	4.93E-08	1.84E-08	9.88E-08	3.62E-08
4848	485363.1	3861877	3.22E-04	3.30E-04	3.11E-04	1.11E-07	3.36E-07	1.95E-07	1.99E-07	1.81E-07	8.25E-08	7.78E-08	0.00E+00	0.00E+00	3.58E-08	6.77E-09	4.29E-08	6.62E-09	6.02E-09	9.82E-08	1.02E-07	3.72E-08	5.07E-08	1.89E-08	1.02E-07	3.72E-08
4849	485863.1	3861877	3.32E-04	3.40E-04	3.21E-04	1.15E-07	3.47E-07	2.01E-07	2.06E-07	1.87E-07	8.51E-08	8.03E-08	0.00E+00	0.00E+00	3.70E-08	6.99E-09	4.43E-08	6.84E-09	6.22E-09	1.01E-07	1.05E-07	3.84E-08	5.23E-08	1.95E-08	1.05E-07	3.84E-08
4850	486363.1	3861877	3.50E-04	3.58E-04	3.38E-04	1.21E-07	3.66E-07	2.12E-07	2.17E-07	1.97E-07	8.97E-08	8.46E-08	0.00E+00	0.00E+00	3.89E-08	7.36E-09	4.67E-08	7.20E-09	6.55E-09	1.07E-07	1.10E-07	4.05E-08	5.51E-08	2.06E-08	1.10E-07	4.05E-08
4851	486863.1	3861877	3.72E-04	3.81E-04	3.59E-04	1.29E-07	3.89E-07	2.25E-07	2.30E-07	2.09E-07	9.53E-08	8.99E-08	0.00E+00	0.00E+00	4.14E-08	7.82E-09	4.96E-08	7.66E-09	6.96E-09	1.13E-07	1.17E-07	4.31E-08	5.86E-08	2.19E-08	1.17E-07	4.31E-08
4852	487363.1	3861877	3.96E-04	4.05E-04	3.82E-04	1.37E-07	4.13E-07	2.39E-07	2.45E-07	2.22E-07	1.01E-07	9.56E-08	0.00E+00	0.00E+00	4.40E-08	8.32E-09	5.28E-08	8.14E-09	7.41E-09	1.21E-07	1.25E-07	4.58E-08	6.23E-08	2.33E-08	1.25E-07	4.58E-08
4853	487863.1	3861877	4.19E-04	4.29E-04	4.05E-04	1.45E-07	4.38E-07	2.54E-07	2.60E-07	2.35E-07	1.07E-07	1.01E-07	0.00E+00	0.00E+00	4.67E-08	8.82E-09	5.59E-08	8.63E-09	7.85E-09	1.28E-07	1.32E-07	4.85E-08	6.60E-08	2.47E-08	1.32E-07	4.85E-08
4854	488363.1	3861877	4.47E-04	4.58E-04	4.32E-04	1.55E-07	4.67E-07	2.71E-07	2.77E-07	2.51E-07	1.15E-07	1.08E-07	0.00E+00	0.00E+00	4.98E-08	9.41E-09	5.97E-08	9.20E-09	8.37E-09	1.36E-07	1.41E-07	5.18E-08	7.04E-08	2.63E-08	1.41E-07	5.18E-08
4855	488863.1	3861877	4.80E-04	4.91E-04	4.63E-04	1.66E-07	5.01E-07	2.90E-07	2.97E-07	2.69E-07	1.23E-07	1.16E-07	0.00E+00	0.00E+00	5.34E-08	1.01E-08	6.40E-08	9.87E-09	8.98E-09	1.46E-07	1.51E-07	5.55E-08	7.56E-08	2.82E-08	1.51E-07	5.55E-08
4856	489363.1	3861877	5.14E-04	5.26E-04	4.96E-04	1.78E-07	5.37E-07	3.11E-07	3.18E-07	2.89E-07	1.32E-07	1.24E-07	0.00E+00	0.00E+00	5.72E-08	1.08E-08	6.86E-08	1.06E-08	9.62E-09	1.57E-07	1.62E-07	5.95E-08	8.09E-08	3.02E-08	1.62E-07	5.95E-08
4857	489863.1	3861877	5.55E-04	5.68E-04	5.36E-04	1.92E-07	5.80E-07	3.36E-07	3.44E-07	3.12E-07	1.42E-07	1.34E-07	0.00E+00	0.00E+00	6.18E-08	1.17E-08	7.41E-08	1.14E-08	1.04E-08	1.69E-07	1.75E-07	6.42E-08	8.74E-08	3.27E-08	1.75E-07	6.42E-08
4858	490363.1	3861877	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	0.00E+00	0.00E+00	6.79E-08	1.28E-08	8.14E-08	1.25E-08	1.14E-08	1.86E-07	1.92E-07	7.06E-08	9.60E-08	3.59E-08	1.92E-07	7.06E-08
4859	490863.1	3861877	6.91E-04	7.07E-04	6.67E-04	2.39E-07	7.22E-07	4.18E-07	4.28E-07	3.88E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.69E-08	1.45E-08	9.22E-08	1.42E-08	1.29E-08	2.11E-07	2.18E-07	8.00E-08	1.09E-07	4.07E-08	2.18E-07	8.00E-08
4860	491363.1	3861877	8.01E-04	8.21E-04	7.74E-04	2.77E-07	8.38E-07	4.85E-07	4.97E-07	4.50E-07	2.05E-07	1.94E-07	0.00E+00	0.00E+00	8.92E-08	1.69E-08	1.07E-07	1.65E-08	1.50E-08	2.45E-07	2.53E-07	9.28E-08	1.26E-07	4.72E-08	2.53E-07	9.28E-08
4861	491863.1	3861877	9.53E-04	9.77E-04	9.21E-04	3.30E-07	9.97E-07	5.77E-07	5.91E-07	5.36E-07	2.44E-07	2.31E-07	0.00E+00	0.00E+00	1.06E-07	2.01E-08	1.27E-07	1.96E-08	1.79E-08	2.91E-07	3.01E-07	1.10E-07	1.50E-07	5.61E-08	3.01E-07	1.10E-07
4862	492363.1	3861877	1.18E-03	1.21E-03	1.14E-03	4.08E-07	1.23E-06	7.14E-07	7.31E-07	6.62E-07	3.02E-07	2.85E-07	0.00E+00	0.00E+00	1.31E-07	2.48E-08	1.57E-07	2.43E-08	2.21E-08	3.60E-07	3.72E-07	1.37E-07	1.86E-07	6.94E-08	3.72E-07	1.37E-07
4863	492863.1	3861877	1.53E-03	1.56E-03	1.47E-03	5.28E-07	1.60E-06	9.23E-07	9.46E-07	8.57E-07	3.91E-07	3.69E-07	0.00E+00	0.00E+00	1.70E-07	3.21E-08	2.04E-07	3.14E-08	2.86E-08	4.66E-07	4.82E-07	1.77E-07	2.40E-07	8.98E-08	4.82E-07	1.77E-07
4864	493363.1	3861877	2.06E-03	2.11E-03	1.99E-03	7.14E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	4.99E-07	0.00E+00	0.00E+00	2.30E-07	4.34E-08	2.75E-07	4.24E-08	3.86E-08	6.29E-07	6.51E-07	2.39E-07	3.25E-07	1.21E-07	6.51E-07	2.39E-07
4865	493863.1	3861877	3.04E-03	3.11E-03	2.94E-03	1.05E-06	3.18E-06	1.84E-06	1.88E-06	1.71E-06	7.79E-07	7.35E-07	0.00E+00	0.00E+00	3.38E-07	6.39E-08	4.06E-07	6.26E-08	5.69E-08	9.27E-07	9.59E-07	3.52E-07	4.79E-07	1.79E-07	9.59E-07	3.52E-07
4866	494363.1	3861877	5.46E-03	5.59E-03	5.27E-03	1.89E-06	5.70E-06	3.30E-06	3.38E-06	3.07E-06	1.40E-06	1.32E-06	0.00E+00	0.00E+00	6.07E-07	1.15E-07	7.28E-07	1.12E-07	1.02E-07	1.66E-06	1.72E-06	6.32E-07	8.60E-07	3.21E-07	1.72E-06	6.32E-07
4867	494863.1	3861877	2.23E-02	2.28E-02	2.15E-02	7.71E-06	2.33E-05	1.35E-05	1.38E-05	1.25E-05	5.71E-06	5.39E-06	0.00E+00	0.00E+00	2.48E-06	4.69E-07	2.97E-06	4.59E-07	4.17E-07	6.80E-06	7.03E-06	2.58E-06	3.51E-06	1.31E-06	7.03E-06	2.58E-06
4868	495363.1	3861877	2.61E-02	2.68E-02	2.52E-02	9.04E-06	2.73E-05	1.58E-05	1.62E-05	1.47E-05	6.70E-06	6.32E-06	0.00E+00	0.00E+00	2.91E-06	5.50E-07	3.49E-06	5.38E-07	4.89E-07	7.97E-06	8.25E-06	3.02E-06	4.12E-06	1.54E-06	8.25E-06	3.02E-06
4869	495863.1	3861877	1.07E-02	1.10E-02	1.04E-02	3.72E-06	1.12E-05	6.50E-06	6.66E-06	6.04E-06	2.75E-06	2.60E-06	0.00E+00	0.00E+00	1.20E-06	2.26E-07	1.43E-06	2.21E-07	2.01E-07	3.28E-06	3.39E-06	1.24E-06	1.69E-06	6.32E-07	3.39E-06	1.24E-06
4870	496363.1	3861877	6.75E-03	6.91E-03	6.52E-03	2.34E-06	7.05E-06	4.08E-06	4.18E-06	3.79E-06	1.73E-06	1.63E-06	0.00E+00	0.00E+00	7.51E-07	1.42E-07	9.01E-07	1.39E-07	1.26E-07	2.06E-06	2.13E-06	7.81E-07	1.06E-06	3.97E-07	2.13E-06	7.81E-07
4871	496863.1	3861877	3.50E-03	3.58E-03	3.38E-03	1.21E-06	3.66E-06	2.12E-06	2.17E-06	1.97E-06	8.97E-07	8.46E-07	0.00E+00	0.00E+00	3.90E-07	7.36E-08	4.67E-07	7.20E-08	6.55E-08	1.07E-06	1.10E-06	4.05E-07	5.51E-07	2.06E-07	1.10E-06	4.05E-07
4872	497363.1	3861877	3.67E-03	3.76E-03	3.55E-03	1.27E-06	3.84E-06	2.22E-06	2.28E-06	2.06E-06	9.42E-07	8.89E-07	0.00E+00	0.00E+00	4.09E-07	7.73E-08	4.91E-07	7.56E-08	6.88E-08	1.12E-06	1.16E-06	4.25E-07	5.79E-07	2.16E-07	1.16E-06	4.25E-07
4873	497863.1	3861877	3.28E-03	3.36E-03	3.17E-03	1.14E-06	3.43E-06	1.98E-06	2.03E-06	1.84E-06	8.41E-07	7.93E-07	0.00E+00	0.00E+00	3.65E-07	6.90E-08	4.38E-07	6.75E-08	6.14E-08	1.00E-06	1.04E-06	3.80E-07	5.17E-07	1.93E-07	1.04E-06	3.80E-07
4874	498363.1	3861877	2.85E-03	2.92E-03	2.76E-03	9.88E-07	2.98E-06	1.73E-06	1.77E-06	1.60E-06	7.31E-07	6.90E-07	0.00E+00	0.00E+00	3.18E-07	6.00E-08	3.81E-07	5.87E-08	5.34E-08	8.71E-07	9.00E-07	3.30E-07	4.49E-07	1.68E-07	9.00E-07	3.30E-07
4875	471363.1	3862377	1.48E-04	1.51E-04	1.43E-04	5.11E-08	1.54E-07	8.93E-08	9.15E-08	8.29E-08	3.78E-08	3.57E-08	0.00E+00	0.00E+00	1.64E-08	3.10E-09	1.97E-08	3.04E-09	2.76E-09	4.50E-08	4.66E-08	1.71E-08	2.33E-08	8.69E-09	4.66E-08	1.71E-08
4876	471863.1	3862377	1.49E-04	1.53E-04	1.44E-04	5.16E-08	1.56E-07	9.02E-08	9.24E-08	8.37E-08	3.82E-08	3.60E-08	0.00E+00	0.00E+00	1.66E-08	3.14E-09	1.99E-08	3.07E-09	2.79E-09	4.55E-08	4.70E-08	1.73E-08	2.35E-08	8.78E-09	4.70E-08	1.73E-08
4877	472363.1	3862377	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	0.00E+00	0.00E+00	1.71E-08	3.23E-09	2.05E-08	3.16E-09	2.87E-09	4.68E-08	4.84E-08	1.78E-08	2.42E-08	9.04E-09	4.84E-08	1.78E-08

4878	472863.1	3862377	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	0.00E+00	0.00E+00	1.74E-08	3.29E-09	2.09E-08	3.22E-09	2.93E-09	4.77E-08	4.94E-08	1.81E-08	2.46E-08	9.21E-09	4.94E-08	1.81E-08
4879	473363.1	3862377	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	0.00E+00	0.00E+00	1.77E-08	3.35E-09	2.13E-08	3.28E-09	2.98E-09	4.86E-08	5.03E-08	1.85E-08	2.51E-08	9.38E-09	5.03E-08	1.85E-08
4880	473863.1	3862377	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	0.00E+00	0.00E+00	1.79E-08	3.38E-09	2.15E-08	3.31E-09	3.01E-09	4.91E-08	5.08E-08	1.86E-08	2.53E-08	9.47E-09	5.08E-08	1.86E-08
4881	474363.1	3862377	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	0.00E+00	0.00E+00	1.82E-08	3.45E-09	2.19E-08	3.37E-09	3.07E-09	5.00E-08	5.17E-08	1.90E-08	2.58E-08	9.64E-09	5.17E-08	1.90E-08
4882	474863.1	3862377	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
4883	475363.1	3862377	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	0.00E+00	0.00E+00	1.91E-08	3.60E-09	2.29E-08	3.52E-09	3.21E-09	5.22E-08	5.40E-08	1.98E-08	2.70E-08	1.01E-08	5.40E-08	1.98E-08
4884	475863.1	3862377	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
4885	476363.1	3862377	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	0.00E+00	0.00E+00	1.99E-08	3.76E-09	2.38E-08	3.68E-09	3.34E-09	5.45E-08	5.64E-08	2.07E-08	2.81E-08	1.05E-08	5.64E-08	2.07E-08
4886	476863.1	3862377	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
4887	477363.1	3862377	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	0.00E+00	0.00E+00	2.04E-08	3.85E-09	2.44E-08	3.77E-09	3.43E-09	5.58E-08	5.78E-08	2.12E-08	2.88E-08	1.08E-08	5.78E-08	2.12E-08
4888	477863.1	3862377	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	0.00E+00	0.00E+00	1.87E-08	3.54E-09	2.25E-08	3.46E-09	3.15E-09	5.13E-08	5.31E-08	1.95E-08	2.65E-08	9.90E-09	5.31E-08	1.95E-08
4889	478363.1	3862377	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	0.00E+00	0.00E+00	1.69E-08	3.20E-09	2.03E-08	3.13E-09	2.85E-09	4.64E-08	4.80E-08	1.76E-08	2.39E-08	8.95E-09	4.80E-08	1.76E-08
4890	478863.1	3862377	1.55E-04	1.59E-04	1.50E-04	5.36E-08	1.62E-07	9.38E-08	9.60E-08	8.71E-08	3.97E-08	3.75E-08	0.00E+00	0.00E+00	1.73E-08	3.26E-09	2.07E-08	3.19E-09	2.90E-09	4.73E-08	4.89E-08	1.79E-08	2.44E-08	9.12E-09	4.89E-08	1.79E-08
4891	479363.1	3862377	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	0.00E+00	0.00E+00	1.87E-08	3.54E-09	2.25E-08	3.46E-09	3.15E-09	5.13E-08	5.31E-08	1.95E-08	2.65E-08	9.90E-09	5.31E-08	1.95E-08
4892	479863.1	3862377	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	0.00E+00	0.00E+00	2.25E-08	4.25E-09	2.70E-08	4.16E-09	3.79E-09	6.17E-08	6.38E-08	2.34E-08	3.19E-08	1.19E-08	6.38E-08	2.34E-08
4893	480363.1	3862377	2.17E-04	2.22E-04	2.10E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.22E-07	5.56E-08	5.25E-08	0.00E+00	0.00E+00	2.42E-08	4.56E-09	2.90E-08	4.47E-09	4.06E-09	6.62E-08	6.85E-08	2.51E-08	3.42E-08	1.28E-08	6.85E-08	2.51E-08
4894	480863.1	3862377	2.24E-04	2.30E-04	2.17E-04	7.77E-08	2.34E-07	1.36E-07	1.39E-07	1.26E-07	5.75E-08	5.42E-08	0.00E+00	0.00E+00	2.50E-08	4.72E-09	2.99E-08	4.62E-09	4.20E-09	6.85E-08	7.08E-08	2.60E-08	3.53E-08	1.32E-08	7.08E-08	2.60E-08
4895	481363.1	3862377	2.32E-04	2.37E-04	2.24E-04	8.02E-08	2.42E-07	1.40E-07	1.44E-07	1.30E-07	5.94E-08	5.60E-08	0.00E+00	0.00E+00	2.58E-08	4.87E-09	3.09E-08	4.77E-09	4.34E-09	7.07E-08	7.31E-08	2.68E-08	3.65E-08	1.36E-08	7.31E-08	2.68E-08
4896	481863.1	3862377	2.42E-04	2.48E-04	2.34E-04	8.38E-08	2.53E-07	1.46E-07	1.50E-07	1.36E-07	6.20E-08	5.85E-08	0.00E+00	0.00E+00	2.69E-08	5.09E-09	3.23E-08	4.98E-09	4.53E-09	7.39E-08	7.64E-08	2.80E-08	3.81E-08	1.42E-08	7.64E-08	2.80E-08
4897	482363.1	3862377	2.49E-04	2.55E-04	2.41E-04	8.63E-08	2.61E-07	1.51E-07	1.55E-07	1.40E-07	6.39E-08	6.03E-08	0.00E+00	0.00E+00	2.78E-08	5.25E-09	3.33E-08	5.13E-09	4.67E-09	7.61E-08	7.87E-08	2.89E-08	3.93E-08	1.47E-08	7.87E-08	2.89E-08
4898	482863.1	3862377	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	0.00E+00	0.00E+00	2.84E-08	5.37E-09	3.41E-08	5.26E-09	4.78E-09	7.79E-08	8.06E-08	2.96E-08	4.02E-08	1.50E-08	8.06E-08	2.96E-08
4899	483363.1	3862377	2.63E-04	2.69E-04	2.54E-04	9.09E-08	2.75E-07	1.59E-07	1.63E-07	1.48E-07	6.73E-08	6.35E-08	0.00E+00	0.00E+00	2.92E-08	5.53E-09	3.51E-08	5.41E-09	4.92E-09	8.02E-08	8.29E-08	3.04E-08	4.14E-08	1.55E-08	8.29E-08	3.04E-08
4900	483863.1	3862377	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	0.00E+00	0.00E+00	3.01E-08	5.68E-09	3.61E-08	5.56E-09	5.06E-09	8.24E-08	8.52E-08	3.13E-08	4.25E-08	1.59E-08	8.52E-08	3.13E-08
4901	484363.1	3862377	2.79E-04	2.86E-04	2.69E-04	9.66E-08	2.92E-07	1.69E-07	1.73E-07	1.57E-07	7.15E-08	6.74E-08	0.00E+00	0.00E+00	3.11E-08	5.87E-09	3.72E-08	5.74E-09	5.22E-09	8.51E-08	8.80E-08	3.23E-08	4.39E-08	1.64E-08	8.80E-08	3.23E-08
4902	484863.1	3862377	2.91E-04	2.98E-04	2.81E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.45E-08	7.03E-08	0.00E+00	0.00E+00	3.24E-08	6.12E-09	3.88E-08	5.98E-09	5.44E-09	8.87E-08	9.18E-08	3.37E-08	4.58E-08	1.71E-08	9.18E-08	3.37E-08
4903	485363.1	3862377	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	0.00E+00	0.00E+00	3.34E-08	6.30E-09	4.00E-08	6.17E-09	5.61E-09	9.14E-08	9.46E-08	3.47E-08	4.72E-08	1.76E-08	9.46E-08	3.47E-08
4904	485863.1	3862377	3.08E-04	3.16E-04	2.98E-04	1.07E-07	3.22E-07	1.87E-07	1.91E-07	1.73E-07	7.91E-08	7.46E-08	0.00E+00	0.00E+00	3.43E-08	6.49E-09	4.12E-08	6.35E-09	5.78E-09	9.41E-08	9.74E-08	3.57E-08	4.86E-08	1.82E-08	9.74E-08	3.57E-08
4905	486363.1	3862377	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	0.00E+00	0.00E+00	3.57E-08	6.74E-09	4.27E-08	6.59E-09	6.00E-09	9.77E-08	1.01E-07	3.71E-08	5.05E-08	1.89E-08	1.01E-07	3.71E-08
4906	486863.1	3862377	3.38E-04	3.46E-04	3.27E-04	1.17E-07	3.53E-07	2.04E-07	2.09E-07	1.90E-07	8.66E-08	8.17E-08	0.00E+00	0.00E+00	3.76E-08	7.11E-09	4.51E-08	6.96E-09	6.33E-09	1.03E-07	1.07E-07	3.91E-08	5.32E-08	1.99E-08	1.07E-07	3.91E-08
4907	487363.1	3862377	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	0.00E+00	0.00E+00	3.99E-08	7.54E-09	4.79E-08	7.38E-09	6.71E-09	1.09E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
4908	487863.1	3862377	3.79E-04	3.88E-04	3.66E-04	1.31E-07	3.96E-07	2.30E-07	2.35E-07	2.13E-07	9.72E-08	9.17E-08	0.00E+00	0.00E+00	4.22E-08	7.98E-09	5.06E-08	7.81E-09	7.10E-09	1.16E-07	1.20E-07	4.39E-08	5.98E-08	2.23E-08	1.20E-07	4.39E-08
4909	488363.1	3862377	4.00E-04	4.10E-04	3.86E-04	1.38E-07	4.18E-07	2.42E-07	2.48E-07	2.25E-07	1.03E-07	9.67E-08	0.00E+00	0.00E+00	4.45E-08	8.41E-09	5.34E-08	8.23E-09	7.49E-09	1.22E-07	1.26E-07	4.63E-08	6.30E-08	2.35E-08	1.26E-07	4.63E-08
4910	488863.1	3862377	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	0.00E+00	0.00E+00	4.75E-08	8.97E-09	5.69E-08	8.78E-09	7.99E-09	1.30E-07	1.35E-07	4.94E-08	6.72E-08	2.51E-08	1.35E-07	4.94E-08
4911	489363.1	3862377	4.55E-04	4.66E-04	4.39E-04	1.57E-07	4.75E-07	2.75E-07	2.82E-07	2.55E-07	1.17E-07	1.10E-07	0.00E+00	0.00E+00	5.06E-08	9.56E-09	6.07E-08	9.36E-09	8.51E-09	1.39E-07	1.43E-07	5.26E-08	7.16E-08	2.68E-08	1.43E-07	5.26E-08
4912	489863.1	3862377	4.84E-04	4.96E-04	4.68E-04	1.68E-07	5.06E-07	2.93E-07	3.00E-07	2.72E-07	1.24E-07	1.17E-07	0.00E+00	0.00E+00	5.39E-08	1.02E-08	6.46E-08	9.96E-09	9.06E-09	1.48E-07	1.53E-07	5.60E-08	7.63E-08	2.85E-08	1.53E-07	5.60E-08
4913	490363.1	3862377	5.17E-04	5.29E-04	4.99E-04	1.79E-07	5.40E-07	3.13E-07	3.20E-07	2.90E-07	1.32E-07	1.25E-07	0.00E+00	0.00E+00	5.75E-08	1.09E-08	6.89E-08	1.06E-08	9.67E-09	1.58E-07	1.63E-07	5.98E-08	8.14E-08	3.04E-08	1.63E-07	5.98E-08
4914	490863.1	3862377	5.61E-04	5.74E-04	5.42E-04	1.94E-07	5.86E-07	3.39E-07	3.48E-07	3.15E-07	1.44E-07	1.36E-07	0.00E+00	0.00E+00	6.24E-08	1.18E-08	7.49E-08	1.15E-08	1.05E-08	1.71E-07	1.77E-07	6.49E-08	8.84E-08	3.30E-08	1.77E-07	6.49E-08
4915	491363.1	3862377	6.20E-04	6.35E-04	5.99E-04	2.15E-07	6.48E-07	3.75E-07	3.84E-07	3.48E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.90E-08	1.30E-08	8.27E-08	1.28E-08	1.16E-08	1.89E-07	1.96E-07	7.18E-08	9.77E-08	3.65E-08	1.96E-07	7.18E-08
4916	491863.1	3862377	6.89E-04	7.06E-04	6.66E-04	2.39E-07	7.20E-07	4.17E-07	4.27E-07	3.87E-07	1.77E-07	1.67E-07	0.00E+00	0.00E+00	7.67E-08	1.45E-08	9.20E-08	1.42E-08	1.29E-08	2.10E-07	2.18E-07	7.98E-08	1.09E-07	4.06E-08	2.18E-07	7.98E-08
4917	492363.1	3862377	7.72E-04	7.91E-04	7.46E-04	2.67E-07	8.07E-07	4.67E-07	4.78E-07	4.34E-07	1.98E-07	1.87E-07	0.00E+00	0.00E+00	8.59E-08	1.62E-08	1.03E-07	1.59E-08	1.45E-08	2.36E-07	2.44E-07	8.94E-08	1.22E-07	4.54E-08	2.44E-07	8.94E-08
4918	492863.1	3862377	8.84E-04	9.05E-04	8.54E-04	3.06E-07	9.24E-07	5.35E-07	5.48E-07	4.97E-07	2.27E-07	2.14E-07	0.00E+00	0.00E+00	9.84E-08	1.86E-08	1.18E-07	1.82E-08	1.66E-08	2.70E-07	2.79E-07	1.02E-07	1.39E-07	5.20E-08	2.79E-07	1.02E-07
4919	493363.1	3862377	1.03E-03	1.05E-03	9.94E-04	3.56E-07	1.08E-06	6.22E-07	6.38E-07	5.78E-07	2.64E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.12E-08	1.93E-08	3.14E-07	3.25E-07	1.19E-07	1.62E-07	6.06E-08	3.25E-07	1.19E-07
4920	493863.1	3862377	1.21E-03	1.23E-03	1.16E-03	4.17E-07	1.26E-06	7.30E-07	7.47E-07	6.77E-07	3.09E-07	2.92E-07	0.00E+00	0.00E+00	1.34E-07	2.54E-08	1.61E-07	2.48E-08	2.26E-08	3.68E-07	3.81E-07	1.40E-07	1.90E-07	7.10E-08	3.81E-07	1.40E-07
4921	494363.1	3862377	1.46E-03	1.50E-03	1.41E-03	5.06E-07	1.53E-06	8.85E-07	9.06E-07	8.22E-07	3.75E-07	3.54E-07	0.00E+00	0.00E+00	1.63E-07	3.08E-08	1.95E-07	3.01E-08	2.74E-08	4.46E-07	4.62E-07	1.69E-07	2.30E-07	8.61E-08	4.62E-07	1.69E-07
4922	494863.1	3862377	1.83E-03	1.87E-03	1.77E-03	6.34E-07	1.91E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.42E-07	0.00E+00	0.00E+00	2.04E-07	3.85E-08	2.44E-07	3.77E-08	3.43E-08	5.58E-07	5.78E-07	2.12E-07	2.88E-07	1.08E-07	5.78E-07	2.12E-07
4923	495363.1	3862377	2.38E-03	2.44E-03	2.30E-03	8.23E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.09E-07	5.75E-07	0.00E+00	0.00E+00	2.65E-07	5.00E-08	3.17E-07	4.89E-08	4.45E-08	7.25E-07	7.50E-07	2.75E-07	3.75E-07	1.40E-07	7.50E-07	2.75E-07
4924	495863.1	3862377	3.55E-03	3.64E-03	3.43E-03	1.23E-06	3.71E-06	2.15E-06	2.20E-06	1.99E-06	9.10E-07	8.58E-07	0.00E+00	0.00E+00	3.95E-07	7.47E-08	4.74E-07	7.31E-08	6.65E-08	1.08E-06	1.12E-06	4.11E-07	5.59E-07	2.09E-07	1.12E-06	4.11E-07
4925	496363.1	3862377	7.04E-03	7.21E-03	6.80E-03	2.44E-06	7.36E-06	4.26E-06	4.36E-06	3.95E-06	1.80E-06	1.70E-06	0.00E+00	0.00E+00	7.83E-07	1.48E-07	9.39E-07	1.45E-07	1.32E-07	2.15E-06	2.22E-06	8.15E-07	1.11E-06	4.14E-07	2.22E-06	8.15E-07
4926	496863.1	3862377	6.16E-02	6.31E-02	5.95E-02	2.13E-05	6.44E-05	3.73E-05	3.82E-05	3.46E-05	1.58E-05	1.49E-05	0.00E+00	0.00E+00	6.86E-06	1.30E-06	8.23E-06	1.27E-06	1.15E-06	1.88E-05	1.95E-05	7.13E-06	9.71E-06	3.63E-06	1.95E-05	7.13E-06
4927	497363.1	3862377	3.65E-02	3.74E-02	3.53E-02	1.27E-05	3.82E-05	2.21E-05	2.26E-05	2.05E-05	9.37E-06	8.84E-06	0.00E+00	0.00E+00	4.07E-06	7.69E-07	4.88E-06	7.52E-07	6.84E-07	1.12E-05	1.15E-05	4.23E-06	5.76E-06	2.15E-06	1.15E-05	4.23E-06
4928	497863.1	3862377	9.61E-02	9.84E-02	9.28E-02	3.33E-05	1.00E-04	5.81E-05	5.95E-05	5.40E-05	2.46E-05	2.32E-05	0.00E+00	0.00E+00	1.07E-05	2.02E-06	1.28E-05	1.98E-06	1.80E-06	2.93E-05	3.03E-05	1.11E-05	1.51E-05	5.66E-06	3.03E-05	1.11E-05
4929	498363.1	3862377	1.26E-02	1.29E-02	1.22E-02	4.37E-06	1.32E-05	7.64E-06	7.83E-06	7.09E-06	3.24E-06	3.05E-06	0.00E+00	0.00E+00	1.41E-06	2.66E-07	1.69E-06	2.60E-07	2.36E-07	3.85E-06	3.99E-06	1.46E-06	1.99E-06	7.43E-07	3.99E-06	1.46E-06
4930	471363.1	3862877	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	0.00E+00	0.00E+00	1.59E-08	3.01E-09	1.91E-08	2.95E-09	2.68E-09	4.37E-08	4.52E-08	1.66E-08	2.26E-08	8.43E-09	4.52E-08	1.66E-08
4931	471863.1	3862877	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	0.00E+00	0.00E+00	1.63E-08	3.07E-09	1.95E-08	3.01E-09	2.74E-09	4.46E-08	4.61E-08	1.69E-08	2.30E-08	8.60E-09	4.61E-08	1.69E-08
4932	472363.1	3862877	1.49E-04	1.53E-04	1.44E-04	5.16E-08	1.56E-07	9.02E-08	9.24E-08	8.37E-08	3.82E-08	3.60E-08	0.00E+00	0.00E+00	1.66E-08	3.14E-09	1.99E-08	3.07E-09	2.79E-09	4.55E-08	4.70E-08	1.73E-08	2.35E-08	8.78E-09	4.70E-08	1.73E-08
4933	472863.1	3862877	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	0.00E+00	0.00E+00	1.69E-08	3.20E-09	2.03E-08	3.13E-09	2.85E-09	4.64E-08	4.80E-08	1.76E-08	2.39E-08	8.95E-09	4.80E-08	1.76E-08
4934	473363.1	3862877	1.55E-04	1.59E-04	1.50E-04	5.36E-08	1.62E-07	9.38E-08	9.60E-08	8.71E-08	3.97E-08	3.75E-08	0.00E+00	0.00E+00	1.73E-08	3.26E-09	2.07E-08	3.19E-09	2.90E-09	4.73E-08	4.89E-08	1.79E-08	2.44E-08	9.12E-09	4.89E-08	1.79E-08
4935	473863.1	3862877	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	0.00E+00	0.00E+00	1.74E-08	3.29E-09	2.09E-08	3.22E-09	2.93E-09	4.77E-08	4.94E-08	1.81E-08	2.46E-08	9.21E-09	4.94E-08	1.81E-08
4936	474363.1	3862877	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	0.00E+00	0.00E+00	1.77E-08	3.35E-09	2.13E-08	3.28E-09	2.98E-09	4.86E-08	5.03E-08	1.85E-08	2.51E-08	9.38E-09	5.03E-08	1.85E-08
4937	474863.1	3862877	1.62E-04	1.66E-04	1.57E-04	5.62E-08	1.70E-07	9.82E-08	1.01E-07	9.12E-08	4.16E-08	3.93E-08	0.00E+00	0.00E+00	1.81E-08	3.41E-09	2.17E-08	3.34E-09	3.04E-09	4.95E-08	5.12E-08	1.88E-08	2.56E-08	9.56E-09	5.12E-08	1.88E-08
4938	475363.1	3862877	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
4939	475863.1	3862877	1.70E-04	1.74E-04	1.64E-04	5.88E-08	1.77E-07	1.03E-07	1.05E-07	9.53E-08	4.35E-08	4.10E-08	0.00E+00	0.00E+00	1.89E-08	3.57E-09	2.27E-08	3.49E-09	3.18E-09	5.18E-08	5.36E-08	1.96E-08	2.67E-08	9.99E-09	5.36E-08	1.96E-08
4940	476363.1	3862877	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	0.00E+00	0.00E+00	1.94E-08	3.66E-09	2.32E-08	3.58E-09	3.26E-09	5.31E-08	5.50E-08	2.02E-08	2.74E-08	1.03E-08	5.50E-08	2.02E-08
4941	476863.1	3862877	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
4942	477363.1	3862877	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	0.00E+00	0.00E+00	1.99E-08	3.76E-09	2.38E-08	3.68E-09	3.34E-09	5.45E-08	5.64E-08	2.07E-08	2.81E-08	1.05E-08	5.64E-08	2.07E-08
4943	477863.1	3862877	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	0.00E+00	0.00E+00	1.94E-08	3.66E-09	2.32E-08	3.58E-09	3.26E-09	5.31E-08	5.50E-08	2.02E-08	2.74E-08	1.03E-08	5.50E-08	2.02E-08
4944	478363.1	3862877	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	0.00E+00	0.00E+00	1.77E-08	3.35E-09	2.13E-08	3.28E-09	2.98E-09	4.86E-08	5.03E-08	1.85E-08	2.51E-08	9.38E-09	5.03E-08	1.85E-08
4945	478863.1	3862877	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	0.00E+00	0.00E+00	1.79E-08	3.38E-09	2.15E-08	3.31E-09	3.01E-09	4.91E-08	5.08E-08	1.86E-08	2.53E-08	9.47E-09	5.08E-08	1.86E-08
4946	479363.1	3862877	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	0.00E+00	0.00E+00	1.84E-08	3.48E-09	2.21E-08	3.40E-09	3.09E-09	5.04E-08	5.22E-08	1.91E-08	2.60E-08	9.73E-09	5.22E-08	1.91E-08
4947	479863.1	3862877	1.99E-04	2.04E-04	1.92E-04	6.90E-08	2.08E-07	1.21E-07	1.23E-07	1.12E-07	5.11E-08	4.82E-08	0.00E+00	0.00E+00	2.22E-08	4.19E-09	2.66E-08	4.10E-09	3.73E-09	6.08E-08	6.29E-08	2.31E-08	3.14E-08	1.17E-08	6.29E-08	2.31E-08
4948	480363.1	3862877	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.38E-09	2.78E-08	4.28E-09	3.90E-09	6.35E-08	6.57E-08	2.41E-08	3.28E-08	1.23E-08	6.57E-08	2.41E-08
4949	480863.1	3862877	2.13E-04	2.18E-04	2.05E-04	7.36E-08	2.22E-07	1.29E-07	1.32E-07	1.19E-07	5.45E-08	5.14E-08	0.00E+00	0.00E+00	2.37E-08	4.47E-09	2.84E-08	4.37E-09	3.98E-09	6.48E-08	6.71E-08	2.46E-08	3.35E-08	1.25E-08	6.71E-08	2.46E-08
4950	481363.1	3862877	2.21E-04	2.27E-04	2.14E-04	7.66E-08	2.31E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.35E-08	0.00E+00	0.00E+00	2.46E-08	4.66E-09	2.95E-08	4.56E-09	4.14E-09	6.76E-08	6.99E-08	2.56E-08	3.49E-08	1.30E-08	6.99E-08	2.56E-08
4951	481863.1	3862877	2.29E-04	2.34E-04	2.21E-04	7.92E-08	2.39E-07	1.38E-07	1.42E-07	1.29E-07	5.86E-08	5.53E-08	0.00E+00	0.00E+00	2.55E-08	4.81E-09	3.05E-08	4.71E-09	4.28E-09	6.98E-08	7.22E-08	2.65E-08	3.60E-08	1.35E-08	7.22E-08	2.65E-08

4952	482363.1	3862877	2.35E-04	2.40E-04	2.27E-04	8.12E-08	2.45E-07	1.42E-07	1.45E-07	1.32E-07	6.02E-08	5.67E-08	0.00E+00	0.00E+00	2.61E-08	4.94E-09	3.13E-08	4.83E-09	4.39E-09	7.16E-08	7.41E-08	2.72E-08	3.70E-08	1.38E-08	7.41E-08	2.72E-08
4953	482863.1	3862877	2.41E-04	2.46E-04	2.32E-04	8.33E-08	2.51E-07	1.46E-07	1.49E-07	1.35E-07	6.17E-08	5.82E-08	0.00E+00	0.00E+00	2.68E-08	5.06E-09	3.21E-08	4.95E-09	4.50E-09	7.34E-08	7.59E-08	2.78E-08	3.79E-08	1.42E-08	7.59E-08	2.78E-08
4954	483363.1	3862877	2.48E-04	2.54E-04	2.40E-04	8.58E-08	2.59E-07	1.50E-07	1.54E-07	1.39E-07	6.36E-08	6.00E-08	0.00E+00	0.00E+00	2.76E-08	5.22E-09	3.31E-08	5.10E-09	4.64E-09	7.57E-08	7.83E-08	2.87E-08	3.91E-08	1.46E-08	7.83E-08	2.87E-08
4955	483863.1	3862877	2.54E-04	2.60E-04	2.45E-04	8.79E-08	2.65E-07	1.54E-07	1.57E-07	1.43E-07	6.51E-08	6.14E-08	0.00E+00	0.00E+00	2.83E-08	5.34E-09	3.39E-08	5.23E-09	4.75E-09	7.75E-08	8.01E-08	2.94E-08	4.00E-08	1.49E-08	8.01E-08	2.94E-08
4956	484363.1	3862877	2.63E-04	2.69E-04	2.54E-04	9.09E-08	2.75E-07	1.59E-07	1.63E-07	1.48E-07	6.73E-08	6.35E-08	0.00E+00	0.00E+00	2.92E-08	5.53E-09	3.51E-08	5.41E-09	4.92E-09	8.02E-08	8.29E-08	3.04E-08	4.14E-08	1.55E-08	8.29E-08	3.04E-08
4957	484863.1	3862877	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	0.00E+00	0.00E+00	3.02E-08	5.71E-09	3.62E-08	5.59E-09	5.08E-09	8.29E-08	8.57E-08	3.14E-08	4.28E-08	1.60E-08	8.57E-08	3.14E-08
4958	485363.1	3862877	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	0.00E+00	0.00E+00	3.12E-08	5.90E-09	3.74E-08	5.77E-09	5.25E-09	8.56E-08	8.85E-08	3.25E-08	4.42E-08	1.65E-08	8.85E-08	3.25E-08
4959	485863.1	3862877	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	0.00E+00	0.00E+00	3.22E-08	6.08E-09	3.86E-08	5.95E-09	5.42E-09	8.83E-08	9.13E-08	3.35E-08	4.56E-08	1.70E-08	9.13E-08	3.35E-08
4960	486363.1	3862877	2.98E-04	3.05E-04	2.88E-04	1.03E-07	3.12E-07	1.80E-07	1.85E-07	1.67E-07	7.64E-08	7.21E-08	0.00E+00	0.00E+00	3.32E-08	6.27E-09	3.98E-08	6.14E-09	5.58E-09	9.10E-08	9.41E-08	3.45E-08	4.70E-08	1.76E-08	9.41E-08	3.45E-08
4961	486863.1	3862877	3.11E-04	3.19E-04	3.01E-04	1.08E-07	3.25E-07	1.88E-07	1.93E-07	1.75E-07	7.98E-08	7.53E-08	0.00E+00	0.00E+00	3.47E-08	6.55E-09	4.16E-08	6.41E-09	5.83E-09	9.50E-08	9.83E-08	3.60E-08	4.91E-08	1.83E-08	9.83E-08	3.60E-08
4962	487363.1	3862877	3.28E-04	3.36E-04	3.17E-04	1.13E-07	3.42E-07	1.98E-07	2.03E-07	1.84E-07	8.40E-08	7.92E-08	0.00E+00	0.00E+00	3.65E-08	6.89E-09	4.37E-08	6.74E-09	6.13E-09	1.00E-07	1.03E-07	3.79E-08	5.16E-08	1.93E-08	1.03E-07	3.79E-08
4963	487863.1	3862877	3.45E-04	3.54E-04	3.34E-04	1.20E-07	3.61E-07	2.09E-07	2.14E-07	1.94E-07	8.85E-08	8.35E-08	0.00E+00	0.00E+00	3.84E-08	7.26E-09	4.61E-08	7.11E-09	6.47E-09	1.05E-07	1.09E-07	4.00E-08	5.44E-08	2.03E-08	1.09E-07	4.00E-08
4964	488363.1	3862877	3.62E-04	3.70E-04	3.49E-04	1.25E-07	3.78E-07	2.19E-07	2.24E-07	2.03E-07	9.27E-08	8.74E-08	0.00E+00	0.00E+00	4.03E-08	7.61E-09	4.83E-08	7.44E-09	6.77E-09	1.10E-07	1.14E-07	4.19E-08	5.70E-08	2.13E-08	1.14E-07	4.19E-08
4965	488863.1	3862877	3.81E-04	3.90E-04	3.68E-04	1.32E-07	3.98E-07	2.30E-07	2.36E-07	2.14E-07	9.76E-08	9.21E-08	0.00E+00	0.00E+00	4.24E-08	8.01E-09	5.08E-08	7.84E-09	7.13E-09	1.16E-07	1.20E-07	4.41E-08	6.00E-08	2.24E-08	1.20E-07	4.41E-08
4966	489363.1	3862877	4.03E-04	4.13E-04	3.89E-04	1.39E-07	4.21E-07	2.44E-07	2.50E-07	2.26E-07	1.03E-07	9.74E-08	0.00E+00	0.00E+00	4.49E-08	8.48E-09	5.38E-08	8.29E-09	7.54E-09	1.23E-07	1.27E-07	4.66E-08	6.35E-08	2.37E-08	1.27E-07	4.66E-08
4967	489863.1	3862877	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	0.00E+00	0.00E+00	4.75E-08	8.97E-09	5.69E-08	8.78E-09	7.99E-09	1.30E-07	1.35E-07	4.94E-08	6.72E-08	2.51E-08	1.35E-07	4.94E-08
4968	490363.1	3862877	4.50E-04	4.61E-04	4.35E-04	1.56E-07	4.70E-07	2.72E-07	2.79E-07	2.53E-07	1.15E-07	1.09E-07	0.00E+00	0.00E+00	5.01E-08	9.47E-09	6.01E-08	9.27E-09	8.43E-09	1.37E-07	1.42E-07	5.21E-08	7.09E-08	2.65E-08	1.42E-07	5.21E-08
4969	490863.1	3862877	4.75E-04	4.87E-04	4.59E-04	1.65E-07	4.97E-07	2.88E-07	2.95E-07	2.67E-07	1.22E-07	1.15E-07	0.00E+00	0.00E+00	5.29E-08	1.00E-08	6.34E-08	9.78E-09	8.90E-09	1.45E-07	1.50E-07	5.50E-08	7.49E-08	2.80E-08	1.50E-07	5.50E-08
4970	491363.1	3862877	5.06E-04	5.18E-04	4.89E-04	1.75E-07	5.29E-07	3.06E-07	3.14E-07	2.84E-07	1.30E-07	1.22E-07	0.00E+00	0.00E+00	5.64E-08	1.06E-08	6.76E-08	1.04E-08	9.48E-09	1.54E-07	1.60E-07	5.86E-08	7.97E-08	2.98E-08	1.60E-07	5.86E-08
4971	491863.1	3862877	5.48E-04	5.61E-04	5.29E-04	1.90E-07	5.72E-07	3.31E-07	3.39E-07	3.08E-07	1.40E-07	1.32E-07	0.00E+00	0.00E+00	6.10E-08	1.15E-08	7.31E-08	1.13E-08	1.03E-08	1.67E-07	1.73E-07	6.34E-08	8.63E-08	3.22E-08	1.73E-07	6.34E-08
4972	492363.1	3862877	5.92E-04	6.06E-04	5.72E-04	2.05E-07	6.19E-07	3.58E-07	3.67E-07	3.32E-07	1.52E-07	1.43E-07	0.00E+00	0.00E+00	6.59E-08	1.24E-08	7.90E-08	1.22E-08	1.11E-08	1.81E-07	1.87E-07	6.85E-08	9.32E-08	3.48E-08	1.87E-07	6.85E-08
4973	492863.1	3862877	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	0.00E+00	0.00E+00	7.16E-08	1.35E-08	8.59E-08	1.32E-08	1.20E-08	1.96E-07	2.03E-07	7.45E-08	1.01E-07	3.79E-08	2.03E-07	7.45E-08
4974	493363.1	3862877	7.07E-04	7.24E-04	6.83E-04	2.45E-07	7.39E-07	4.28E-07	4.38E-07	3.97E-07	1.81E-07	1.71E-07	0.00E+00	0.00E+00	7.87E-08	1.49E-08	9.44E-08	1.46E-08	1.32E-08	2.16E-07	2.23E-07	8.18E-08	1.11E-07	4.16E-08	2.23E-07	8.18E-08
4975	493863.1	3862877	7.69E-04	7.88E-04	7.43E-04	2.66E-07	8.04E-07	4.65E-07	4.77E-07	4.32E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.56E-08	1.62E-08	1.03E-07	1.58E-08	1.44E-08	2.35E-07	2.43E-07	8.90E-08	1.21E-07	4.53E-08	2.43E-07	8.90E-08
4976	494363.1	3862877	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	0.00E+00	0.00E+00	9.51E-08	1.80E-08	1.14E-07	1.76E-08	1.60E-08	2.61E-07	2.70E-07	9.89E-08	1.35E-07	5.03E-08	2.70E-07	9.89E-08
4977	494863.1	3862877	9.77E-04	1.00E-03	9.44E-04	3.38E-07	1.02E-06	5.91E-07	6.05E-07	5.49E-07	2.50E-07	2.36E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.30E-07	2.01E-08	1.83E-08	2.98E-07	3.08E-07	1.13E-07	1.54E-07	5.75E-08	3.08E-07	1.13E-07
4978	495363.1	3862877	1.11E-03	1.14E-03	1.07E-03	3.85E-07	1.16E-06	6.72E-07	6.89E-07	6.24E-07	2.85E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.48E-07	2.29E-08	2.08E-08	3.39E-07	3.51E-07	1.29E-07	1.75E-07	6.54E-08	3.51E-07	1.29E-07
4979	495863.1	3862877	1.25E-03	1.28E-03	1.21E-03	4.34E-07	1.31E-06	7.58E-07	7.77E-07	7.04E-07	3.21E-07	3.03E-07	0.00E+00	0.00E+00	1.39E-07	2.64E-08	1.67E-07	2.58E-08	2.35E-08	3.82E-07	3.95E-07	1.45E-07	1.97E-07	7.38E-08	3.95E-07	1.45E-07
4980	496363.1	3862877	1.42E-03	1.45E-03	1.37E-03	4.91E-07	1.48E-06	8.58E-07	8.79E-07	7.97E-07	3.64E-07	3.43E-07	0.00E+00	0.00E+00	1.58E-07	2.98E-08	1.89E-07	2.92E-08	2.66E-08	4.33E-07	4.48E-07	1.64E-07	2.23E-07	8.35E-08	4.48E-07	1.64E-07
4981	496863.1	3862877	1.64E-03	1.67E-03	1.58E-03	5.66E-07	1.71E-06	9.89E-07	1.01E-06	9.19E-07	4.19E-07	3.95E-07	0.00E+00	0.00E+00	1.82E-07	3.44E-08	2.18E-07	3.37E-08	3.06E-08	4.99E-07	5.16E-07	1.89E-07	2.58E-07	9.63E-08	5.16E-07	1.89E-07
4982	497363.1	3862877	1.78E-03	1.82E-03	1.72E-03	6.16E-07	1.86E-06	1.08E-06	1.10E-06	1.00E-06	4.56E-07	4.30E-07	0.00E+00	0.00E+00	1.98E-07	3.74E-08	2.38E-07	3.66E-08	3.33E-08	5.43E-07	5.62E-07	2.06E-07	2.80E-07	1.05E-07	5.62E-07	2.06E-07
4983	497863.1	3862877	1.78E-03	1.82E-03	1.72E-03	6.17E-07	1.86E-06	1.08E-06	1.10E-06	1.00E-06	4.57E-07	4.31E-07	0.00E+00	0.00E+00	1.98E-07	3.75E-08	2.38E-07	3.67E-08	3.34E-08	5.44E-07	5.62E-07	2.06E-07	2.81E-07	1.05E-07	5.62E-07	2.06E-07
4984	498363.1	3862877	1.71E-03	1.75E-03	1.65E-03	5.93E-07	1.79E-06	1.04E-06	1.06E-06	9.62E-07	4.39E-07	4.14E-07	0.00E+00	0.00E+00	1.91E-07	3.60E-08	2.29E-07	3.52E-08	3.21E-08	5.22E-07	5.40E-07	1.98E-07	2.70E-07	1.01E-07	5.40E-07	1.98E-07
4985	471363.1	3863377	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	0.00E+00	0.00E+00	1.56E-08	2.95E-09	1.87E-08	2.89E-09	2.63E-09	4.28E-08	4.43E-08	1.62E-08	2.21E-08	8.25E-09	4.43E-08	1.62E-08
4986	471863.1	3863377	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	0.00E+00	0.00E+00	1.59E-08	3.01E-09	1.91E-08	2.95E-09	2.68E-09	4.37E-08	4.52E-08	1.66E-08	2.26E-08	8.43E-09	4.52E-08	1.66E-08
4987	472363.1	3863377	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	0.00E+00	0.00E+00	1.61E-08	3.04E-09	1.93E-08	2.98E-09	2.71E-09	4.41E-08	4.56E-08	1.67E-08	2.28E-08	8.51E-09	4.56E-08	1.67E-08
4988	472863.1	3863377	1.48E-04	1.51E-04	1.43E-04	5.11E-08	1.54E-07	8.93E-08	9.15E-08	8.29E-08	3.78E-08	3.57E-08	0.00E+00	0.00E+00	1.64E-08	3.10E-09	1.97E-08	3.04E-09	2.76E-09	4.50E-08	4.66E-08	1.71E-08	2.33E-08	8.69E-09	4.66E-08	1.71E-08
4989	473363.1	3863377	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	0.00E+00	0.00E+00	1.68E-08	3.17E-09	2.01E-08	3.10E-09	2.82E-09	4.59E-08	4.75E-08	1.74E-08	2.37E-08	8.86E-09	4.75E-08	1.74E-08
4990	473863.1	3863377	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	0.00E+00	0.00E+00	1.71E-08	3.23E-09	2.05E-08	3.16E-09	2.87E-09	4.68E-08	4.84E-08	1.78E-08	2.42E-08	9.04E-09	4.84E-08	1.78E-08
4991	474363.1	3863377	1.55E-04	1.59E-04	1.50E-04	5.36E-08	1.62E-07	9.38E-08	9.60E-08	8.71E-08	3.97E-08	3.75E-08	0.00E+00	0.00E+00	1.73E-08	3.26E-09	2.07E-08	3.19E-09	2.90E-09	4.73E-08	4.89E-08	1.79E-08	2.44E-08	9.12E-09	4.89E-08	1.79E-08
4992	474863.1	3863377	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	0.00E+00	0.00E+00	1.76E-08	3.32E-09	2.11E-08	3.25E-09	2.96E-09	4.82E-08	4.98E-08	1.83E-08	2.49E-08	9.30E-09	4.98E-08	1.83E-08
4993	475363.1	3863377	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	0.00E+00	0.00E+00	1.79E-08	3.38E-09	2.15E-08	3.31E-09	3.01E-09	4.91E-08	5.08E-08	1.86E-08	2.53E-08	9.47E-09	5.08E-08	1.86E-08
4994	475863.1	3863377	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	0.00E+00	0.00E+00	1.82E-08	3.45E-09	2.19E-08	3.37E-09	3.07E-09	5.00E-08	5.17E-08	1.90E-08	2.58E-08	9.64E-09	5.17E-08	1.90E-08
4995	476363.1	3863377	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	0.00E+00	0.00E+00	1.87E-08	3.54E-09	2.25E-08	3.46E-09	3.15E-09	5.13E-08	5.31E-08	1.95E-08	2.65E-08	9.90E-09	5.31E-08	1.95E-08
4996	476863.1	3863377	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	0.00E+00	0.00E+00	1.91E-08	3.60E-09	2.29E-08	3.52E-09	3.21E-09	5.22E-08	5.40E-08	1.98E-08	2.70E-08	1.01E-08	5.40E-08	1.98E-08
4997	477363.1	3863377	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	0.00E+00	0.00E+00	1.94E-08	3.66E-09	2.32E-08	3.58E-09	3.26E-09	5.31E-08	5.50E-08	2.02E-08	2.74E-08	1.03E-08	5.50E-08	2.02E-08
4998	477863.1	3863377	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	0.00E+00	0.00E+00	1.94E-08	3.66E-09	2.32E-08	3.58E-09	3.26E-09	5.31E-08	5.50E-08	2.02E-08	2.74E-08	1.03E-08	5.50E-08	2.02E-08
4999	478363.1	3863377	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
5000	478863.1	3863377	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	0.00E+00	0.00E+00	1.91E-08	3.60E-09	2.29E-08	3.52E-09	3.21E-09	5.22E-08	5.40E-08	1.98E-08	2.70E-08	1.01E-08	5.40E-08	1.98E-08
5001	479363.1	3863377	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	0.00E+00	0.00E+00	2.04E-08	3.85E-09	2.44E-08	3.77E-09	3.43E-09	5.58E-08	5.78E-08	2.12E-08	2.88E-08	1.08E-08	5.78E-08	2.12E-08
5002	479863.1	3863377	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	0.00E+00	0.00E+00	2.15E-08	4.07E-09	2.58E-08	3.98E-09	3.62E-09	5.90E-08	6.10E-08	2.24E-08	3.05E-08	1.14E-08	6.10E-08	2.24E-08
5003	480363.1	3863377	1.99E-04	2.04E-04	1.92E-04	6.90E-08	2.08E-07	1.21E-07	1.23E-07	1.12E-07	5.11E-08	4.82E-08	0.00E+00	0.00E+00	2.22E-08	4.19E-09	2.66E-08	4.10E-09	3.73E-09	6.08E-08	6.29E-08	2.31E-08	3.14E-08	1.17E-08	6.29E-08	2.31E-08
5004	480863.1	3863377	2.04E-04	2.09E-04	1.97E-04	7.05E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.22E-08	4.92E-08	0.00E+00	0.00E+00	2.27E-08	4.28E-09	2.72E-08	4.19E-09	3.81E-09	6.21E-08	6.43E-08	2.36E-08	3.21E-08	1.20E-08	6.43E-08	2.36E-08
5005	481363.1	3863377	2.11E-04	2.16E-04	2.04E-04	7.31E-08	2.21E-07	1.28E-07	1.31E-07	1.19E-07	5.41E-08	5.10E-08	0.00E+00	0.00E+00	2.35E-08	4.44E-09	2.82E-08	4.34E-09	3.95E-09	6.44E-08	6.66E-08	2.44E-08	3.32E-08	1.24E-08	6.66E-08	2.44E-08
5006	481863.1	3863377	2.18E-04	2.24E-04	2.11E-04	7.56E-08	2.28E-07	1.32E-07	1.35E-07	1.23E-07	5.60E-08	5.28E-08	0.00E+00	0.00E+00	2.43E-08	4.59E-09	2.92E-08	4.50E-09	4.09E-09	6.67E-08	6.89E-08	2.53E-08	3.44E-08	1.29E-08	6.89E-08	2.53E-08
5007	482363.1	3863377	2.24E-04	2.30E-04	2.17E-04	7.77E-08	2.34E-07	1.36E-07	1.39E-07	1.26E-07	5.75E-08	5.42E-08	0.00E+00	0.00E+00	2.50E-08	4.72E-09	2.99E-08	4.62E-09	4.20E-09	6.85E-08	7.08E-08	2.60E-08	3.53E-08	1.32E-08	7.08E-08	2.60E-08
5008	482863.1	3863377	2.29E-04	2.34E-04	2.21E-04	7.92E-08	2.39E-07	1.38E-07	1.42E-07	1.29E-07	5.86E-08	5.53E-08	0.00E+00	0.00E+00	2.55E-08	4.81E-09	3.05E-08	4.71E-09	4.28E-09	6.98E-08	7.22E-08	2.65E-08	3.60E-08	1.35E-08	7.22E-08	2.65E-08
5009	483363.1	3863377	2.35E-04	2.40E-04	2.27E-04	8.12E-08	2.45E-07	1.42E-07	1.45E-07	1.32E-07	6.02E-08	5.67E-08	0.00E+00	0.00E+00	2.61E-08	4.94E-09	3.13E-08	4.83E-09	4.39E-09	7.16E-08	7.41E-08	2.72E-08	3.70E-08	1.38E-08	7.41E-08	2.72E-08
5010	483863.1	3863377	2.41E-04	2.46E-04	2.32E-04	8.33E-08	2.51E-07	1.46E-07	1.49E-07	1.35E-07	6.17E-08	5.82E-08	0.00E+00	0.00E+00	2.68E-08	5.06E-09	3.21E-08	4.95E-09	4.50E-09	7.34E-08	7.59E-08	2.78E-08	3.79E-08	1.42E-08	7.59E-08	2.78E-08
5011	484363.1	3863377	2.48E-04	2.54E-04	2.40E-04	8.58E-08	2.59E-07	1.50E-07	1.54E-07	1.39E-07	6.36E-08	6.00E-08	0.00E+00	0.00E+00	2.76E-08	5.22E-09	3.31E-08	5.10E-09	4.64E-09	7.57E-08	7.83E-08	2.87E-08	3.91E-08	1.46E-08	7.83E-08	2.87E-08
5012	484863.1	3863377	2.57E-04	2.63E-04	2.48E-04	8.89E-08	2.68E-07	1.55E-07	1.59E-07	1.44E-07	6.58E-08	6.21E-08	0.00E+00	0.00E+00	2.86E-08	5.40E-09	3.43E-08	5.29E-09	4.81E-09	7.84E-08	8.11E-08	2.97E-08	4.05E-08	1.51E-08	8.11E-08	2.97E-08
5013	485363.1	3863377	2.64E-04	2.71E-04	2.55E-04	9.15E-08	2.76E-07	1.60E-07	1.64E-07	1.48E-07	6.77E-08	6.39E-08	0.00E+00	0.00E+00	2.94E-08	5.56E-09	3.53E-08	5.44E-09	4.95E-09	8.06E-08	8.34E-08	3.06E-08	4.16E-08	1.56E-08	8.34E-08	3.06E-08
5014	485863.1	3863377	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	0.00E+00	0.00E+00	3.02E-08	5.71E-09	3.62E-08	5.59E-09	5.08E-09	8.29E-08	8.57E-08	3.14E-08	4.28E-08	1.60E-08	8.57E-08	3.14E-08
5015	486363.1	3863377	2.77E-04	2.84E-04	2.68E-04	9.60E-08	2.90E-07	1.68E-07	1.72E-07	1.56E-07	7.11E-08	6.71E-08	0.00E+00	0.00E+00	3.09E-08	5.84E-09	3.70E-08	5.71E-09	5.19E-09	8.47E-08	8.76E-08	3.21E-08	4.37E-08	1.63E-08	8.76E-08	3.21E-08
5016	486863.1	3863377	2.88E-04	2.95E-04	2.78E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.62E-07	7.38E-08	6.96E-08	0.00E+00	0.00E+00	3.20E-08	6.05E-09	3.84E-08	5.92E-09	5.39E-09	8.78E-08	9.08E-08	3.33E-08	4.53E-08	1.69E-08	9.08E-08	3.33E-08
5017	487363.1	3863377	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	0.00E+00	0.00E+00	3.34E-08	6.30E-09	4.00E-08	6.17E-09	5.61E-09	9.14E-08	9.46E-08	3.47E-08	4.72E-08	1.76E-08	9.46E-08	3.47E-08
5018	487863.1	3863377	3.14E-04	3.22E-04	3.04E-04	1.09E-07	3.29E-07	1.90E-07	1.95E-07	1.77E-07	8.06E-08	7.60E-08	0.00E+00	0.00E+00	3.50E-08	6.61E-09	4.20E-08	6.47E-09	5.89E-09	9.59E-08	9.92E-08	3.64E-08	4.95E-08	1.85E-08	9.92E-08	3.64E-08
5019	488363.1	3863377	3.28E-04	3.36E-04	3.17E-04	1.13E-07	3.42E-07	1.98E-07	2.03E-07	1.84E-07	8.40E-08	7.92E-08	0.00E+00	0.00E+00	3.65E-08	6.89E-09	4.37E-08	6.74E-09	6.13E-09	1.00E-07	1.03E-07	3.79E-08	5.16E-08	1.93E-08	1.03E-07	3.79E-08
5020	488863.1	3863377	3.42E-04	3.51E-04	3.31E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.78E-08	8.28E-08	0.00E+00	0.00E+00	3.81E-08	7.20E-09	4.57E-08	7.05E-09	6.41E-09	1.04E-07	1.08E-07	3.96E-08	5.39E-08	2.02E-08	1.08E-07	3.96E-08
5021	489363.1	3863377	3.57E-04	3.66E-04	3.45E-04	1.24E-07	3.73E-07	2.16E-07	2.21E-07	2.01E-07	9.16E-08	8.64E-08	0.00E+00	0.00E+00	3.98E-08	7.51E-09	4.77E-08	7.35E-09	6.69E-09	1.09E-07	1.13E-07	4.13E-08	5.63E-08	2.10E-08	1.13E-07	4.13E-08
5022	489863.1	3863377	3.75E-04	3.84E-04	3.62E-04	1.30E-07	3.92E-07	2.27E-07	2.32E-07	2.11E-07	9.61E-08	9.06E-08	0.00E+00	0.00E+00	4.17E-08	7.89E-09	5.00E-08	7.72E-09	7.02E-09	1.14E-07	1.18E-07	4.34E-08	5.91E-08	2.21E-08	1.18E-07	4.34E-08
5023	490363.1	3863377	3.93E-04	4.02E-04	3.79E-04	1.36E-07	4.10E-07	2.38E-07	2.43E-07	2.21E-07	1.01E-07	9.49E-08	0.00E+00	0.00E+00	4.37E-08	8.26E-09	5.24E-08	8.08E-09	7.35E-09	1.20E-07	1.24E-07	4.54E-08	6.18E-08	2.31E-08	1.24E-07	4.54E-08
5024	490863.1	3863377	4.09E-04	4.19E-04	3.95E-04	1.42E-07	4.27E-07	2.47E-07	2.53E-07	2.30E-07	1.05E-07	9.88E-08	0.00E+00	0.00E+00	4.55E-08	8.60E-09	5.46E-08	8.42E-09	7.65E-09	1.25E-07	1.29E-07	4.73E-08	6.44E-08	2.41E-08	1.29E-07	4.73E-08
5025	491363.1	3863377	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	0.00E+00	0.00E+00	4.75E-08	8.97E-09	5.69E-08	8.78E-09	7.99E-09	1.30E-07	1.35E-07	4.94E-08	6.72E-08	2.51E-08	1.35E-07	4.94E-08

5026	491863.1	3863377	4.49E-04	4.60E-04	4.33E-04	1.55E-07	4.69E-07	2.71E-07	2.78E-07	2.52E-07	1.15E-07	1.08E-07	0.00E+00	0.00E+00	4.99E-08	9.44E-09	5.99E-08	9.24E-09	8.40E-09	1.37E-07	1.42E-07	5.19E-08	7.07E-08	2.64E-08	1.42E-07	5.19E-08
5027	492363.1	3863377	4.69E-04	4.81E-04	4.53E-04	1.62E-07	4.91E-07	2.84E-07	2.91E-07	2.64E-07	1.20E-07	1.13E-07	0.00E+00	0.00E+00	5.22E-08	9.87E-09	6.26E-08	9.66E-09	8.79E-09	1.43E-07	1.48E-07	5.43E-08	7.39E-08	2.76E-08	1.48E-07	5.43E-08
5028	492863.1	3863377	4.62E-04	4.73E-04	4.46E-04	1.60E-07	4.83E-07	2.80E-07	2.86E-07	2.60E-07	1.18E-07	1.12E-07	0.00E+00	0.00E+00	5.14E-08	9.72E-09	6.17E-08	9.51E-09	8.65E-09	1.41E-07	1.46E-07	5.35E-08	7.28E-08	2.72E-08	1.46E-07	5.35E-08
5029	493363.1	3863377	4.41E-04	4.52E-04	4.26E-04	1.53E-07	4.61E-07	2.67E-07	2.73E-07	2.48E-07	1.13E-07	1.07E-07	0.00E+00	0.00E+00	4.91E-08	9.28E-09	5.89E-08	9.08E-09	8.26E-09	1.35E-07	1.39E-07	5.11E-08	6.95E-08	2.60E-08	1.39E-07	5.11E-08
5030	493863.1	3863377	4.66E-04	4.78E-04	4.51E-04	1.61E-07	4.87E-07	2.82E-07	2.89E-07	2.62E-07	1.20E-07	1.13E-07	0.00E+00	0.00E+00	5.19E-08	9.81E-09	6.23E-08	9.60E-09	8.73E-09	1.42E-07	1.47E-07	5.40E-08	7.35E-08	2.75E-08	1.47E-07	5.40E-08
5031	494363.1	3863377	5.20E-04	5.32E-04	5.02E-04	1.80E-07	5.43E-07	3.14E-07	3.22E-07	2.92E-07	1.33E-07	1.26E-07	0.00E+00	0.00E+00	5.78E-08	1.09E-08	6.93E-08	1.07E-08	9.73E-09	1.59E-07	1.64E-07	6.01E-08	8.18E-08	3.06E-08	1.64E-07	6.01E-08
5032	494863.1	3863377	5.30E-04	5.43E-04	5.12E-04	1.83E-07	5.54E-07	3.21E-07	3.28E-07	2.98E-07	1.36E-07	1.28E-07	0.00E+00	0.00E+00	5.90E-08	1.11E-08	7.07E-08	1.09E-08	9.92E-09	1.62E-07	1.67E-07	6.13E-08	8.35E-08	3.12E-08	1.67E-07	6.13E-08
5033	495363.1	3863377	5.21E-04	5.34E-04	5.03E-04	1.80E-07	5.45E-07	3.15E-07	3.23E-07	2.93E-07	1.34E-07	1.26E-07	0.00E+00	0.00E+00	5.80E-08	1.10E-08	6.95E-08	1.07E-08	9.75E-09	1.59E-07	1.64E-07	6.03E-08	8.21E-08	3.07E-08	1.64E-07	6.03E-08
5034	495863.1	3863377	5.30E-04	5.43E-04	5.12E-04	1.83E-07	5.54E-07	3.21E-07	3.28E-07	2.98E-07	1.36E-07	1.28E-07	0.00E+00	0.00E+00	5.90E-08	1.11E-08	7.07E-08	1.09E-08	9.92E-09	1.62E-07	1.67E-07	6.13E-08	8.35E-08	3.12E-08	1.67E-07	6.13E-08
5035	496363.1	3863377	7.38E-04	7.56E-04	7.13E-04	2.55E-07	7.71E-07	4.47E-07	4.57E-07	4.15E-07	1.89E-07	1.78E-07	0.00E+00	0.00E+00	8.21E-08	1.55E-08	9.85E-08	1.52E-08	1.38E-08	2.25E-07	2.33E-07	8.54E-08	1.16E-07	4.34E-08	2.33E-07	8.54E-08
5036	496863.1	3863377	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	0.00E+00	0.00E+00	8.48E-08	1.60E-08	1.02E-07	1.57E-08	1.43E-08	2.32E-07	2.40E-07	8.82E-08	1.20E-07	4.48E-08	2.40E-07	8.82E-08
5037	497363.1	3863377	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	0.00E+00	0.00E+00	8.35E-08	1.58E-08	1.00E-07	1.54E-08	1.40E-08	2.29E-07	2.37E-07	8.68E-08	1.18E-07	4.41E-08	2.37E-07	8.68E-08
5038	497863.1	3863377	7.26E-04	7.44E-04	7.02E-04	2.51E-07	7.59E-07	4.39E-07	4.50E-07	4.08E-07	1.86E-07	1.76E-07	0.00E+00	0.00E+00	8.08E-08	1.53E-08	9.69E-08	1.49E-08	1.36E-08	2.22E-07	2.29E-07	8.41E-08	1.14E-07	4.27E-08	2.29E-07	8.41E-08
5039	498363.1	3863377	7.20E-04	7.38E-04	6.96E-04	2.49E-07	7.53E-07	4.36E-07	4.46E-07	4.05E-07	1.85E-07	1.74E-07	0.00E+00	0.00E+00	8.02E-08	1.52E-08	9.61E-08	1.48E-08	1.35E-08	2.20E-07	2.27E-07	8.34E-08	1.13E-07	4.24E-08	2.27E-07	8.34E-08
5040	471363.1	3863877	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	0.00E+00	0.00E+00	1.51E-08	2.86E-09	1.81E-08	2.79E-09	2.54E-09	4.14E-08	4.29E-08	1.57E-08	2.14E-08	7.99E-09	4.29E-08	1.57E-08
5041	471863.1	3863877	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	0.00E+00	0.00E+00	1.54E-08	2.92E-09	1.85E-08	2.86E-09	2.60E-09	4.23E-08	4.38E-08	1.61E-08	2.19E-08	8.17E-09	4.38E-08	1.61E-08
5042	472363.1	3863877	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	0.00E+00	0.00E+00	1.56E-08	2.95E-09	1.87E-08	2.89E-09	2.63E-09	4.28E-08	4.43E-08	1.62E-08	2.21E-08	8.25E-09	4.43E-08	1.62E-08
5043	472863.1	3863877	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	0.00E+00	0.00E+00	1.59E-08	3.01E-09	1.91E-08	2.95E-09	2.68E-09	4.37E-08	4.52E-08	1.66E-08	2.26E-08	8.43E-09	4.52E-08	1.66E-08
5044	473363.1	3863877	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	0.00E+00	0.00E+00	1.63E-08	3.07E-09	1.95E-08	3.01E-09	2.74E-09	4.46E-08	4.61E-08	1.69E-08	2.30E-08	8.60E-09	4.61E-08	1.69E-08
5045	473863.1	3863877	1.49E-04	1.53E-04	1.44E-04	5.16E-08	1.56E-07	9.02E-08	9.24E-08	8.37E-08	3.82E-08	3.60E-08	0.00E+00	0.00E+00	1.66E-08	3.14E-09	1.99E-08	3.07E-09	2.79E-09	4.55E-08	4.70E-08	1.73E-08	2.35E-08	8.78E-09	4.70E-08	1.73E-08
5046	474363.1	3863877	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	0.00E+00	0.00E+00	1.68E-08	3.17E-09	2.01E-08	3.10E-09	2.82E-09	4.59E-08	4.75E-08	1.74E-08	2.37E-08	8.86E-09	4.75E-08	1.74E-08
5047	474863.1	3863877	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	0.00E+00	0.00E+00	1.71E-08	3.23E-09	2.05E-08	3.16E-09	2.87E-09	4.68E-08	4.84E-08	1.78E-08	2.42E-08	9.04E-09	4.84E-08	1.78E-08
5048	475363.1	3863877	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	0.00E+00	0.00E+00	1.74E-08	3.29E-09	2.09E-08	3.22E-09	2.93E-09	4.77E-08	4.94E-08	1.81E-08	2.46E-08	9.21E-09	4.94E-08	1.81E-08
5049	475863.1	3863877	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	0.00E+00	0.00E+00	1.77E-08	3.35E-09	2.13E-08	3.28E-09	2.98E-09	4.86E-08	5.03E-08	1.85E-08	2.51E-08	9.38E-09	5.03E-08	1.85E-08
5050	476363.1	3863877	1.62E-04	1.66E-04	1.57E-04	5.62E-08	1.70E-07	9.82E-08	1.01E-07	9.12E-08	4.16E-08	3.93E-08	0.00E+00	0.00E+00	1.81E-08	3.41E-09	2.17E-08	3.34E-09	3.04E-09	4.95E-08	5.12E-08	1.88E-08	2.56E-08	9.56E-09	5.12E-08	1.88E-08
5051	476863.1	3863877	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	0.00E+00	0.00E+00	1.84E-08	3.48E-09	2.21E-08	3.40E-09	3.09E-09	5.04E-08	5.22E-08	1.91E-08	2.60E-08	9.73E-09	5.22E-08	1.91E-08
5052	477363.1	3863877	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	0.00E+00	0.00E+00	1.87E-08	3.54E-09	2.25E-08	3.46E-09	3.15E-09	5.13E-08	5.31E-08	1.95E-08	2.65E-08	9.90E-09	5.31E-08	1.95E-08
5053	477863.1	3863877	1.70E-04	1.74E-04	1.64E-04	5.88E-08	1.77E-07	1.03E-07	1.05E-07	9.53E-08	4.35E-08	4.10E-08	0.00E+00	0.00E+00	1.89E-08	3.57E-09	2.27E-08	3.49E-09	3.18E-09	5.18E-08	5.36E-08	1.96E-08	2.67E-08	9.99E-09	5.36E-08	1.96E-08
5054	478363.1	3863877	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	0.00E+00	0.00E+00	1.84E-08	3.48E-09	2.21E-08	3.40E-09	3.09E-09	5.04E-08	5.22E-08	1.91E-08	2.60E-08	9.73E-09	5.22E-08	1.91E-08
5055	478863.1	3863877	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
5056	479363.1	3863877	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
5057	479863.1	3863877	1.87E-04	1.92E-04	1.81E-04	6.49E-08	1.96E-07	1.13E-07	1.16E-07	1.05E-07	4.80E-08	4.53E-08	0.00E+00	0.00E+00	2.09E-08	3.94E-09	2.50E-08	3.86E-09	3.51E-09	5.72E-08	5.92E-08	2.17E-08	2.95E-08	1.10E-08	5.92E-08	2.17E-08
5058	480363.1	3863877	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	0.00E+00	0.00E+00	2.14E-08	4.04E-09	2.56E-08	3.95E-09	3.59E-09	5.85E-08	6.06E-08	2.22E-08	3.02E-08	1.13E-08	6.06E-08	2.22E-08
5059	480863.1	3863877	1.96E-04	2.01E-04	1.90E-04	6.79E-08	2.05E-07	1.19E-07	1.22E-07	1.10E-07	5.03E-08	4.75E-08	0.00E+00	0.00E+00	2.19E-08	4.13E-09	2.62E-08	4.04E-09	3.68E-09	5.99E-08	6.20E-08	2.27E-08	3.09E-08	1.16E-08	6.20E-08	2.27E-08
5060	481363.1	3863877	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	0.00E+00	0.00E+00	2.25E-08	4.25E-09	2.70E-08	4.16E-09	3.79E-09	6.17E-08	6.38E-08	2.34E-08	3.19E-08	1.19E-08	6.38E-08	2.34E-08
5061	481863.1	3863877	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.38E-09	2.78E-08	4.28E-09	3.90E-09	6.35E-08	6.57E-08	2.41E-08	3.28E-08	1.23E-08	6.57E-08	2.41E-08
5062	482363.1	3863877	2.13E-04	2.18E-04	2.05E-04	7.36E-08	2.22E-07	1.29E-07	1.32E-07	1.19E-07	5.45E-08	5.14E-08	0.00E+00	0.00E+00	2.37E-08	4.47E-09	2.84E-08	4.37E-09	3.98E-09	6.48E-08	6.71E-08	2.46E-08	3.35E-08	1.25E-08	6.71E-08	2.46E-08
5063	482863.1	3863877	2.17E-04	2.22E-04	2.10E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.22E-07	5.56E-08	5.25E-08	0.00E+00	0.00E+00	2.42E-08	4.56E-09	2.90E-08	4.47E-09	4.06E-09	6.62E-08	6.85E-08	2.51E-08	3.42E-08	1.28E-08	6.85E-08	2.51E-08
5064	483363.1	3863877	2.21E-04	2.27E-04	2.14E-04	7.66E-08	2.31E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.35E-08	0.00E+00	0.00E+00	2.46E-08	4.66E-09	2.95E-08	4.56E-09	4.14E-09	6.76E-08	6.99E-08	2.56E-08	3.49E-08	1.30E-08	6.99E-08	2.56E-08
5065	483863.1	3863877	2.26E-04	2.31E-04	2.18E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.46E-08	0.00E+00	0.00E+00	2.51E-08	4.75E-09	3.01E-08	4.65E-09	4.23E-09	6.89E-08	7.13E-08	2.61E-08	3.56E-08	1.33E-08	7.13E-08	2.61E-08
5066	484363.1	3863877	2.32E-04	2.37E-04	2.24E-04	8.02E-08	2.42E-07	1.40E-07	1.44E-07	1.30E-07	5.94E-08	5.60E-08	0.00E+00	0.00E+00	2.58E-08	4.87E-09	3.09E-08	4.77E-09	4.34E-09	7.07E-08	7.31E-08	2.68E-08	3.65E-08	1.36E-08	7.31E-08	2.68E-08
5067	484863.1	3863877	2.38E-04	2.43E-04	2.30E-04	8.23E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.09E-08	5.75E-08	0.00E+00	0.00E+00	2.65E-08	5.00E-09	3.17E-08	4.89E-09	4.45E-09	7.25E-08	7.50E-08	2.75E-08	3.74E-08	1.40E-08	7.50E-08	2.75E-08
5068	485363.1	3863877	2.44E-04	2.49E-04	2.35E-04	8.43E-08	2.55E-07	1.47E-07	1.51E-07	1.37E-07	6.24E-08	5.89E-08	0.00E+00	0.00E+00	2.71E-08	5.12E-09	3.25E-08	5.01E-09	4.56E-09	7.43E-08	7.69E-08	2.82E-08	3.84E-08	1.43E-08	7.69E-08	2.82E-08
5069	485863.1	3863877	2.49E-04	2.55E-04	2.41E-04	8.63E-08	2.61E-07	1.51E-07	1.55E-07	1.40E-07	6.39E-08	6.03E-08	0.00E+00	0.00E+00	2.78E-08	5.25E-09	3.33E-08	5.13E-09	4.67E-09	7.61E-08	7.87E-08	2.89E-08	3.93E-08	1.47E-08	7.87E-08	2.89E-08
5070	486363.1	3863877	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	0.00E+00	0.00E+00	2.84E-08	5.37E-09	3.41E-08	5.26E-09	4.78E-09	7.79E-08	8.06E-08	2.96E-08	4.02E-08	1.50E-08	8.06E-08	2.96E-08
5071	486863.1	3863877	2.63E-04	2.69E-04	2.54E-04	9.09E-08	2.75E-07	1.59E-07	1.63E-07	1.48E-07	6.73E-08	6.35E-08	0.00E+00	0.00E+00	2.92E-08	5.53E-09	3.51E-08	5.41E-09	4.92E-09	8.02E-08	8.29E-08	3.04E-08	4.14E-08	1.55E-08	8.29E-08	3.04E-08
5072	487363.1	3863877	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	0.00E+00	0.00E+00	3.02E-08	5.71E-09	3.62E-08	5.59E-09	5.08E-09	8.29E-08	8.57E-08	3.14E-08	4.28E-08	1.60E-08	8.57E-08	3.14E-08
5073	487863.1	3863877	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	0.00E+00	0.00E+00	3.15E-08	5.96E-09	3.78E-08	5.83E-09	5.31E-09	8.65E-08	8.94E-08	3.28E-08	4.46E-08	1.67E-08	8.94E-08	3.28E-08
5074	488363.1	3863877	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	0.00E+00	0.00E+00	3.29E-08	6.21E-09	3.94E-08	6.08E-09	5.53E-09	9.01E-08	9.32E-08	3.42E-08	4.65E-08	1.74E-08	9.32E-08	3.42E-08
5075	488863.1	3863877	3.07E-04	3.14E-04	2.97E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.87E-08	7.42E-08	0.00E+00	0.00E+00	3.42E-08	6.46E-09	4.10E-08	6.32E-09	5.75E-09	9.37E-08	9.69E-08	3.55E-08	4.84E-08	1.81E-08	9.69E-08	3.55E-08
5076	489363.1	3863877	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	0.00E+00	0.00E+00	3.57E-08	6.74E-09	4.27E-08	6.59E-09	6.00E-09	9.77E-08	1.01E-07	3.71E-08	5.05E-08	1.89E-08	1.01E-07	3.71E-08
5077	489863.1	3863877	3.32E-04	3.40E-04	3.21E-04	1.15E-07	3.47E-07	2.01E-07	2.06E-07	1.87E-07	8.51E-08	8.03E-08	0.00E+00	0.00E+00	3.70E-08	6.99E-09	4.43E-08	6.84E-09	6.22E-09	1.01E-07	1.05E-07	3.84E-08	5.23E-08	1.95E-08	1.05E-07	3.84E-08
5078	490363.1	3863877	3.44E-04	3.52E-04	3.32E-04	1.19E-07	3.59E-07	2.08E-07	2.13E-07	1.93E-07	8.81E-08	8.31E-08	0.00E+00	0.00E+00	3.83E-08	7.23E-09	4.59E-08	7.08E-09	6.44E-09	1.05E-07	1.09E-07	3.98E-08	5.42E-08	2.02E-08	1.09E-07	3.98E-08
5079	490863.1	3863877	3.54E-04	3.63E-04	3.42E-04	1.23E-07	3.70E-07	2.14E-07	2.20E-07	1.99E-07	9.08E-08	8.56E-08	0.00E+00	0.00E+00	3.94E-08	7.45E-09	4.73E-08	7.29E-09	6.63E-09	1.08E-07	1.12E-07	4.10E-08	5.58E-08	2.09E-08	1.12E-07	4.10E-08
5080	491363.1	3863877	3.63E-04	3.72E-04	3.51E-04	1.26E-07	3.79E-07	2.20E-07	2.25E-07	2.04E-07	9.31E-08	8.78E-08	0.00E+00	0.00E+00	4.04E-08	7.64E-09	4.85E-08	7.47E-09	6.80E-09	1.11E-07	1.15E-07	4.20E-08	5.72E-08	2.14E-08	1.15E-07	4.20E-08
5081	491863.1	3863877	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	0.00E+00	0.00E+00	3.99E-08	7.54E-09	4.79E-08	7.38E-09	6.71E-09	1.09E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
5082	492363.1	3863877	3.17E-04	3.25E-04	3.07E-04	1.10E-07	3.32E-07	1.92E-07	1.97E-07	1.78E-07	8.13E-08	7.67E-08	0.00E+00	0.00E+00	3.53E-08	6.67E-09	4.24E-08	6.53E-09	5.94E-09	9.68E-08	1.00E-07	3.67E-08	5.00E-08	1.87E-08	1.00E-07	3.67E-08
5083	492863.1	3863877	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	0.00E+00	0.00E+00	3.15E-08	5.96E-09	3.78E-08	5.83E-09	5.31E-09	8.65E-08	8.94E-08	3.28E-08	4.46E-08	1.67E-08	8.94E-08	3.28E-08
5084	493363.1	3863877	2.98E-04	3.05E-04	2.88E-04	1.03E-07	3.12E-07	1.80E-07	1.85E-07	1.67E-07	7.64E-08	7.21E-08	0.00E+00	0.00E+00	3.32E-08	6.27E-09	3.98E-08	6.14E-09	5.58E-09	9.10E-08	9.41E-08	3.45E-08	4.70E-08	1.76E-08	9.41E-08	3.45E-08
5085	493863.1	3863877	3.22E-04	3.30E-04	3.11E-04	1.11E-07	3.36E-07	1.95E-07	1.99E-07	1.81E-07	8.25E-08	7.78E-08	0.00E+00	0.00E+00	3.58E-08	6.77E-09	4.29E-08	6.62E-09	6.02E-09	9.82E-08	1.02E-07	3.72E-08	5.07E-08	1.89E-08	1.02E-07	3.72E-08
5086	494363.1	3863877	3.45E-04	3.54E-04	3.34E-04	1.20E-07	3.61E-07	2.09E-07	2.14E-07	1.94E-07	8.85E-08	8.35E-08	0.00E+00	0.00E+00	3.84E-08	7.26E-09	4.61E-08	7.11E-09	6.47E-09	1.05E-07	1.09E-07	4.00E-08	5.44E-08	2.03E-08	1.09E-07	4.00E-08
5087	494863.1	3863877	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	0.00E+00	0.00E+00	3.93E-08	7.42E-09	4.71E-08	7.26E-09	6.60E-09	1.08E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
5088	495363.1	3863877	3.66E-04	3.75E-04	3.54E-04	1.27E-07	3.83E-07	2.21E-07	2.27E-07	2.06E-07	9.38E-08	8.85E-08	0.00E+00	0.00E+00	4.07E-08	7.70E-09	4.89E-08	7.53E-09	6.85E-09	1.12E-07	1.16E-07	4.24E-08	5.77E-08	2.15E-08	1.16E-07	4.24E-08
5089	495863.1	3863877	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	0.00E+00	0.00E+00	4.12E-08	7.79E-09	4.94E-08	7.63E-09	6.94E-09	1.13E-07	1.17E-07	4.29E-08	5.84E-08	2.18E-08	1.17E-07	4.29E-08
5090	496363.1	3863877	4.19E-04	4.29E-04	4.05E-04	1.45E-07	4.38E-07	2.54E-07	2.60E-07	2.35E-07	1.07E-07	1.01E-07	0.00E+00	0.00E+00	4.67E-08	8.82E-09	5.59E-08	8.63E-09	7.85E-09	1.28E-07	1.32E-07	4.85E-08	6.60E-08	2.47E-08	1.32E-07	4.85E-08
5091	496863.1	3863877	4.72E-04	4.84E-04	4.56E-04	1.63E-07	4.94E-07	2.86E-07	2.93E-07	2.65E-07	1.21E-07	1.14E-07	0.00E+00	0.00E+00	5.26E-08	9.93E-09	6.30E-08	9.72E-09	8.84E-09	1.44E-07	1.49E-07	5.47E-08	7.44E-08	2.78E-08	1.49E-07	5.47E-08
5092	497363.1	3863877	4.86E-04	4.97E-04	4.69E-04	1.68E-07	5.08E-07	2.94E-07	3.01E-07	2.73E-07	1.24E-07	1.17E-07	0.00E+00	0.00E+00	5.41E-08	1.02E-08	6.48E-08	9.99E-09	9.09E-09	1.48E-07	1.53E-07	5.62E-08	7.65E-08	2.86E-08	1.53E-07	5.62E-08
5093	497863.1	3863877	4.77E-04	4.88E-04	4.61E-04	1.65E-07	4.98E-07	2.88E-07	2.95E-07	2.68E-07	1.22E-07	1.15E-07	0.00E+00	0.00E+00	5.31E-08	1.00E-08	6.36E-08	9.81E-09	8.93E-09	1.45E-07	1.50E-07	5.52E-08	7.51E-08	2.81E-08	1.50E-07	5.52E-08
5094	498363.1	3863877	4.62E-04	4.73E-04	4.46E-04	1.60E-07	4.83E-07	2.80E-07	2.86E-07	2.60E-07	1.18E-07	1.12E-07	0.00E+00	0.00E+00	5.14E-08	9.72E-09	6.17E-08	9.51E-09	8.65E-09	1.41E-07	1.46E-07	5.35E-08	7.28E-08	2.72E-08	1.46E-07	5.35E-08
5095	471363.1	3864377	1.33E-04	1.36E-04	1.28E-04	4.60E-08	1.39E-07	8.04E-08	8.23E-08	7.46E-08	3.40E-08	3.21E-08	0.00E+00	0.00E+00	1.48E-08	2.79E-09	1.77E-08	2.73E-09	2.49E-09	4.05E-08	4.19E-08	1.54E-08	2.09E-08	7.82E-09	4.19E-08	1.54E-08
5096	471863.1	3864377	1.34E-04	1.38E-04	1.30E-04	4.65E-08	1.40E-07	8.13E-08	8.32E-08	7.54E-08	3.44E-08	3.25E-08	0.00E+00	0.00E+00	1.50E-08	2.83E-09	1.79E-08	2.76E-09	2.51E-09	4.10E-08	4.24E-08	1.55E-08	2.12E-08	7.91E-09	4.24E-08	1.55E-08
5097	472363.1	3864377	1.37E-04	1.41E-04	1.33E-04	4.75E-08	1.43E-07	8.30E-08	8.51E-08	7.71E-08	3.52E-08	3.32E-08	0.00E+00	0.00E+00	1.53E-08	2.89E-09	1.83E-08	2.83E-09	2.57E-09	4.19E-08	4.33E-08	1.59E-08	2.16E-08	8.08E-09	4.33E-08	1.59E-08
5098	472863.1	3864377	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	0.00E+00	0.00E+00	1.56E-08	2.95E-09	1.87E-08	2.89E-09	2.63E-09	4.28E-08	4.43E-08	1.62E-08	2.21E-08	8.25E-09	4.43E-08	1.62E-08
5099	473363.1	3864377	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.98E-09	1.89E-08	2.92E-09	2.65E-09	4.32E-08	4.47E-08	1.64E-08	2.23E-08	8.34E-09	4.47E-08	1.64E-08

5100	473863.1	3864377	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	0.00E+00	0.00E+00	1.61E-08	3.04E-09	1.93E-08	2.98E-09	2.71E-09	4.41E-08	4.56E-08	1.67E-08	2.28E-08	8.51E-09	4.56E-08	1.67E-08
5101	474363.1	3864377	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	0.00E+00	0.00E+00	1.63E-08	3.07E-09	1.95E-08	3.01E-09	2.74E-09	4.46E-08	4.61E-08	1.69E-08	2.30E-08	8.60E-09	4.61E-08	1.69E-08
5102	474863.1	3864377	1.49E-04	1.53E-04	1.44E-04	5.16E-08	1.56E-07	9.02E-08	9.24E-08	8.37E-08	3.82E-08	3.60E-08	0.00E+00	0.00E+00	1.66E-08	3.14E-09	1.99E-08	3.07E-09	2.79E-09	4.55E-08	4.70E-08	1.73E-08	2.35E-08	8.78E-09	4.70E-08	1.73E-08
5103	475363.1	3864377	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	0.00E+00	0.00E+00	1.68E-08	3.17E-09	2.01E-08	3.10E-09	2.82E-09	4.59E-08	4.75E-08	1.74E-08	2.37E-08	8.86E-09	4.75E-08	1.74E-08
5104	475863.1	3864377	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	0.00E+00	0.00E+00	1.71E-08	3.23E-09	2.05E-08	3.16E-09	2.87E-09	4.68E-08	4.84E-08	1.78E-08	2.42E-08	9.04E-09	4.84E-08	1.78E-08
5105	476363.1	3864377	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	0.00E+00	0.00E+00	1.74E-08	3.29E-09	2.09E-08	3.22E-09	2.93E-09	4.77E-08	4.94E-08	1.81E-08	2.46E-08	9.21E-09	4.94E-08	1.81E-08
5106	476863.1	3864377	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	0.00E+00	0.00E+00	1.77E-08	3.35E-09	2.13E-08	3.28E-09	2.98E-09	4.86E-08	5.03E-08	1.85E-08	2.51E-08	9.38E-09	5.03E-08	1.85E-08
5107	477363.1	3864377	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	0.00E+00	0.00E+00	1.82E-08	3.45E-09	2.19E-08	3.37E-09	3.07E-09	5.00E-08	5.17E-08	1.90E-08	2.58E-08	9.64E-09	5.17E-08	1.90E-08
5108	477863.1	3864377	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
5109	478363.1	3864377	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	0.00E+00	0.00E+00	1.87E-08	3.54E-09	2.25E-08	3.46E-09	3.15E-09	5.13E-08	5.31E-08	1.95E-08	2.65E-08	9.90E-09	5.31E-08	1.95E-08
5110	478863.1	3864377	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	0.00E+00	0.00E+00	1.91E-08	3.60E-09	2.29E-08	3.52E-09	3.21E-09	5.22E-08	5.40E-08	1.98E-08	2.70E-08	1.01E-08	5.40E-08	1.98E-08
5111	479363.1	3864377	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	0.00E+00	0.00E+00	1.94E-08	3.66E-09	2.32E-08	3.58E-09	3.26E-09	5.31E-08	5.50E-08	2.02E-08	2.74E-08	1.03E-08	5.50E-08	2.02E-08
5112	479863.1	3864377	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	0.00E+00	0.00E+00	1.99E-08	3.76E-09	2.38E-08	3.68E-09	3.34E-09	5.45E-08	5.64E-08	2.07E-08	2.81E-08	1.05E-08	5.64E-08	2.07E-08
5113	480363.1	3864377	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
5114	480863.1	3864377	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	0.00E+00	0.00E+00	2.05E-08	3.88E-09	2.46E-08	3.80E-09	3.45E-09	5.63E-08	5.82E-08	2.14E-08	2.91E-08	1.09E-08	5.82E-08	2.14E-08
5115	481363.1	3864377	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	0.00E+00	0.00E+00	2.12E-08	4.00E-09	2.54E-08	3.92E-09	3.56E-09	5.81E-08	6.01E-08	2.20E-08	3.00E-08	1.12E-08	6.01E-08	2.20E-08
5116	481863.1	3864377	1.96E-04	2.01E-04	1.90E-04	6.79E-08	2.05E-07	1.19E-07	1.22E-07	1.10E-07	5.03E-08	4.75E-08	0.00E+00	0.00E+00	2.19E-08	4.13E-09	2.62E-08	4.04E-09	3.68E-09	5.99E-08	6.20E-08	2.27E-08	3.09E-08	1.16E-08	6.20E-08	2.27E-08
5117	482363.1	3864377	1.99E-04	2.04E-04	1.92E-04	6.90E-08	2.08E-07	1.21E-07	1.23E-07	1.12E-07	5.11E-08	4.82E-08	0.00E+00	0.00E+00	2.22E-08	4.19E-09	2.66E-08	4.10E-09	3.73E-09	6.08E-08	6.29E-08	2.31E-08	3.14E-08	1.17E-08	6.29E-08	2.31E-08
5118	482863.1	3864377	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	0.00E+00	0.00E+00	2.25E-08	4.25E-09	2.70E-08	4.16E-09	3.79E-09	6.17E-08	6.38E-08	2.34E-08	3.19E-08	1.19E-08	6.38E-08	2.34E-08
5119	483363.1	3864377	2.07E-04	2.12E-04	2.00E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.30E-08	5.00E-08	0.00E+00	0.00E+00	2.30E-08	4.35E-09	2.76E-08	4.25E-09	3.87E-09	6.30E-08	6.52E-08	2.39E-08	3.26E-08	1.22E-08	6.52E-08	2.39E-08
5120	483863.1	3864377	2.11E-04	2.16E-04	2.04E-04	7.31E-08	2.21E-07	1.28E-07	1.31E-07	1.19E-07	5.41E-08	5.10E-08	0.00E+00	0.00E+00	2.35E-08	4.44E-09	2.82E-08	4.34E-09	3.95E-09	6.44E-08	6.66E-08	2.44E-08	3.32E-08	1.24E-08	6.66E-08	2.44E-08
5121	484363.1	3864377	2.15E-04	2.21E-04	2.08E-04	7.46E-08	2.25E-07	1.30E-07	1.34E-07	1.21E-07	5.52E-08	5.21E-08	0.00E+00	0.00E+00	2.40E-08	4.53E-09	2.88E-08	4.44E-09	4.03E-09	6.57E-08	6.80E-08	2.49E-08	3.39E-08	1.27E-08	6.80E-08	2.49E-08
5122	484863.1	3864377	2.21E-04	2.27E-04	2.14E-04	7.66E-08	2.31E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.35E-08	0.00E+00	0.00E+00	2.46E-08	4.66E-09	2.95E-08	4.56E-09	4.14E-09	6.76E-08	6.99E-08	2.56E-08	3.49E-08	1.30E-08	6.99E-08	2.56E-08
5123	485363.1	3864377	2.27E-04	2.33E-04	2.20E-04	7.87E-08	2.38E-07	1.38E-07	1.41E-07	1.28E-07	5.83E-08	5.50E-08	0.00E+00	0.00E+00	2.53E-08	4.78E-09	3.03E-08	4.68E-09	4.26E-09	6.94E-08	7.17E-08	2.63E-08	3.58E-08	1.34E-08	7.17E-08	2.63E-08
5124	485863.1	3864377	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	0.00E+00	0.00E+00	2.60E-08	4.91E-09	3.11E-08	4.80E-09	4.37E-09	7.12E-08	7.36E-08	2.70E-08	3.67E-08	1.37E-08	7.36E-08	2.70E-08
5125	486363.1	3864377	2.38E-04	2.43E-04	2.30E-04	8.23E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.09E-08	5.75E-08	0.00E+00	0.00E+00	2.65E-08	5.00E-09	3.17E-08	4.89E-09	4.45E-09	7.25E-08	7.50E-08	2.75E-08	3.74E-08	1.40E-08	7.50E-08	2.75E-08
5126	486863.1	3864377	2.44E-04	2.49E-04	2.35E-04	8.43E-08	2.55E-07	1.47E-07	1.51E-07	1.37E-07	6.24E-08	5.89E-08	0.00E+00	0.00E+00	2.71E-08	5.12E-09	3.25E-08	5.01E-09	4.56E-09	7.43E-08	7.69E-08	2.82E-08	3.84E-08	1.43E-08	7.69E-08	2.82E-08
5127	487363.1	3864377	2.51E-04	2.57E-04	2.42E-04	8.69E-08	2.62E-07	1.52E-07	1.55E-07	1.41E-07	6.43E-08	6.07E-08	0.00E+00	0.00E+00	2.79E-08	5.28E-09	3.35E-08	5.16E-09	4.70E-09	7.66E-08	7.92E-08	2.90E-08	3.95E-08	1.48E-08	7.92E-08	2.90E-08
5128	487863.1	3864377	2.58E-04	2.65E-04	2.50E-04	8.94E-08	2.70E-07	1.56E-07	1.60E-07	1.45E-07	6.62E-08	6.24E-08	0.00E+00	0.00E+00	2.88E-08	5.43E-09	3.45E-08	5.32E-09	4.84E-09	7.88E-08	8.15E-08	2.99E-08	4.07E-08	1.52E-08	8.15E-08	2.99E-08
5129	488363.1	3864377	2.67E-04	2.74E-04	2.58E-04	9.25E-08	2.79E-07	1.62E-07	1.66E-07	1.50E-07	6.85E-08	6.46E-08	0.00E+00	0.00E+00	2.97E-08	5.62E-09	3.57E-08	5.50E-09	5.00E-09	8.15E-08	8.43E-08	3.09E-08	4.21E-08	1.57E-08	8.43E-08	3.09E-08
5130	488863.1	3864377	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	0.00E+00	0.00E+00	3.06E-08	5.77E-09	3.66E-08	5.65E-09	5.14E-09	8.38E-08	8.66E-08	3.18E-08	4.32E-08	1.62E-08	8.66E-08	3.18E-08
5131	489363.1	3864377	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	0.00E+00	0.00E+00	3.14E-08	5.93E-09	3.76E-08	5.80E-09	5.28E-09	8.60E-08	8.90E-08	3.26E-08	4.44E-08	1.66E-08	8.90E-08	3.26E-08
5132	489863.1	3864377	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	0.00E+00	0.00E+00	3.22E-08	6.08E-09	3.86E-08	5.95E-09	5.42E-09	8.83E-08	9.13E-08	3.35E-08	4.56E-08	1.70E-08	9.13E-08	3.35E-08
5133	490363.1	3864377	2.98E-04	3.05E-04	2.88E-04	1.03E-07	3.12E-07	1.80E-07	1.85E-07	1.67E-07	7.64E-08	7.21E-08	0.00E+00	0.00E+00	3.32E-08	6.27E-09	3.98E-08	6.14E-09	5.58E-09	9.10E-08	9.41E-08	3.45E-08	4.70E-08	1.76E-08	9.41E-08	3.45E-08
5134	490863.1	3864377	3.04E-04	3.11E-04	2.94E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.71E-07	7.79E-08	7.35E-08	0.00E+00	0.00E+00	3.38E-08	6.40E-09	4.06E-08	6.26E-09	5.69E-09	9.28E-08	9.60E-08	3.52E-08	4.79E-08	1.79E-08	9.60E-08	3.52E-08
5135	491363.1	3864377	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	0.00E+00	0.00E+00	3.22E-08	6.08E-09	3.86E-08	5.95E-09	5.42E-09	8.83E-08	9.13E-08	3.35E-08	4.56E-08	1.70E-08	9.13E-08	3.35E-08
5136	491863.1	3864377	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	0.00E+00	0.00E+00	1.87E-08	3.54E-09	2.25E-08	3.46E-09	3.15E-09	5.13E-08	5.31E-08	1.95E-08	2.65E-08	9.90E-09	5.31E-08	1.95E-08
5137	492363.1	3864377	2.13E-04	2.18E-04	2.05E-04	7.36E-08	2.22E-07	1.29E-07	1.32E-07	1.19E-07	5.45E-08	5.14E-08	0.00E+00	0.00E+00	2.37E-08	4.47E-09	2.84E-08	4.37E-09	3.98E-09	6.48E-08	6.71E-08	2.46E-08	3.35E-08	1.25E-08	6.71E-08	2.46E-08
5138	492863.1	3864377	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	0.00E+00	0.00E+00	1.94E-08	3.66E-09	2.32E-08	3.58E-09	3.26E-09	5.31E-08	5.50E-08	2.02E-08	2.74E-08	1.03E-08	5.50E-08	2.02E-08
5139	493363.1	3864377	2.04E-04	2.09E-04	1.97E-04	7.05E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.22E-08	4.92E-08	0.00E+00	0.00E+00	2.27E-08	4.28E-09	2.72E-08	4.19E-09	3.81E-09	6.21E-08	6.43E-08	2.36E-08	3.21E-08	1.20E-08	6.43E-08	2.36E-08
5140	493863.1	3864377	2.39E-04	2.45E-04	2.31E-04	8.28E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	6.13E-08	5.78E-08	0.00E+00	0.00E+00	2.66E-08	5.03E-09	3.19E-08	4.92E-09	4.48E-09	7.30E-08	7.55E-08	2.77E-08	3.77E-08	1.41E-08	7.55E-08	2.77E-08
5141	494363.1	3864377	2.63E-04	2.69E-04	2.54E-04	9.09E-08	2.75E-07	1.59E-07	1.63E-07	1.48E-07	6.73E-08	6.35E-08	0.00E+00	0.00E+00	2.92E-08	5.53E-09	3.51E-08	5.41E-09	4.92E-09	8.02E-08	8.29E-08	3.04E-08	4.14E-08	1.55E-08	8.29E-08	3.04E-08
5142	494863.1	3864377	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	0.00E+00	0.00E+00	3.12E-08	5.90E-09	3.74E-08	5.77E-09	5.25E-09	8.56E-08	8.85E-08	3.25E-08	4.42E-08	1.65E-08	8.85E-08	3.25E-08
5143	495363.1	3864377	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	0.00E+00	0.00E+00	3.12E-08	5.90E-09	3.74E-08	5.77E-09	5.25E-09	8.56E-08	8.85E-08	3.25E-08	4.42E-08	1.65E-08	8.85E-08	3.25E-08
5144	495863.1	3864377	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	0.00E+00	0.00E+00	3.15E-08	5.96E-09	3.78E-08	5.83E-09	5.31E-09	8.65E-08	8.94E-08	3.28E-08	4.46E-08	1.67E-08	8.94E-08	3.28E-08
5145	496363.1	3864377	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	0.00E+00	0.00E+00	3.34E-08	6.30E-09	4.00E-08	6.17E-09	5.61E-09	9.14E-08	9.46E-08	3.47E-08	4.72E-08	1.76E-08	9.46E-08	3.47E-08
5146	496863.1	3864377	3.08E-04	3.16E-04	2.98E-04	1.07E-07	3.22E-07	1.87E-07	1.91E-07	1.73E-07	7.91E-08	7.46E-08	0.00E+00	0.00E+00	3.43E-08	6.49E-09	4.12E-08	6.35E-09	5.78E-09	9.41E-08	9.74E-08	3.57E-08	4.86E-08	1.82E-08	9.74E-08	3.57E-08
5147	497363.1	3864377	3.36E-04	3.45E-04	3.25E-04	1.16E-07	3.52E-07	2.04E-07	2.09E-07	1.89E-07	8.63E-08	8.14E-08	0.00E+00	0.00E+00	3.75E-08	7.08E-09	4.49E-08	6.93E-09	6.30E-09	1.03E-07	1.06E-07	3.90E-08	5.30E-08	1.98E-08	1.06E-07	3.90E-08
5148	497863.1	3864377	3.41E-04	3.49E-04	3.29E-04	1.18E-07	3.56E-07	2.06E-07	2.11E-07	1.92E-07	8.74E-08	8.24E-08	0.00E+00	0.00E+00	3.80E-08	7.17E-09	4.55E-08	7.02E-09	6.38E-09	1.04E-07	1.08E-07	3.95E-08	5.37E-08	2.01E-08	1.08E-07	3.95E-08
5149	498363.1	3864377	3.60E-04	3.69E-04	3.48E-04	1.25E-07	3.76E-07	2.18E-07	2.23E-07	2.02E-07	9.23E-08	8.71E-08	0.00E+00	0.00E+00	4.01E-08	7.58E-09	4.81E-08	7.41E-09	6.74E-09	1.10E-07	1.14E-07	4.17E-08	5.67E-08	2.12E-08	1.14E-07	4.17E-08
5150	471363.1	3864877	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	0.00E+00	0.00E+00	1.43E-08	2.70E-09	1.71E-08	2.64E-09	2.40E-09	3.92E-08	4.05E-08	1.49E-08	2.02E-08	7.56E-09	4.05E-08	1.49E-08
5151	471863.1	3864877	1.31E-04	1.35E-04	1.27E-04	4.55E-08	1.37E-07	7.95E-08	8.14E-08	7.38E-08	3.37E-08	3.18E-08	0.00E+00	0.00E+00	1.46E-08	2.76E-09	1.75E-08	2.70E-09	2.46E-09	4.01E-08	4.15E-08	1.52E-08	2.07E-08	7.73E-09	4.15E-08	1.52E-08
5152	472363.1	3864877	1.33E-04	1.36E-04	1.28E-04	4.60E-08	1.39E-07	8.04E-08	8.23E-08	7.46E-08	3.40E-08	3.21E-08	0.00E+00	0.00E+00	1.48E-08	2.79E-09	1.77E-08	2.73E-09	2.49E-09	4.05E-08	4.19E-08	1.54E-08	2.09E-08	7.82E-09	4.19E-08	1.54E-08
5153	472863.1	3864877	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	0.00E+00	0.00E+00	1.51E-08	2.86E-09	1.81E-08	2.79E-09	2.54E-09	4.14E-08	4.29E-08	1.57E-08	2.14E-08	7.99E-09	4.29E-08	1.57E-08
5154	473363.1	3864877	1.37E-04	1.41E-04	1.33E-04	4.75E-08	1.43E-07	8.30E-08	8.51E-08	7.71E-08	3.52E-08	3.32E-08	0.00E+00	0.00E+00	1.53E-08	2.89E-09	1.83E-08	2.83E-09	2.57E-09	4.19E-08	4.33E-08	1.59E-08	2.16E-08	8.08E-09	4.33E-08	1.59E-08
5155	473863.1	3864877	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	0.00E+00	0.00E+00	1.56E-08	2.95E-09	1.87E-08	2.89E-09	2.63E-09	4.28E-08	4.43E-08	1.62E-08	2.21E-08	8.25E-09	4.43E-08	1.62E-08
5156	474363.1	3864877	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.98E-09	1.89E-08	2.92E-09	2.65E-09	4.32E-08	4.47E-08	1.64E-08	2.23E-08	8.34E-09	4.47E-08	1.64E-08
5157	474863.1	3864877	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	0.00E+00	0.00E+00	1.59E-08	3.01E-09	1.91E-08	2.95E-09	2.68E-09	4.37E-08	4.52E-08	1.66E-08	2.26E-08	8.43E-09	4.52E-08	1.66E-08
5158	475363.1	3864877	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	0.00E+00	0.00E+00	1.63E-08	3.07E-09	1.95E-08	3.01E-09	2.74E-09	4.46E-08	4.61E-08	1.69E-08	2.30E-08	8.60E-09	4.61E-08	1.69E-08
5159	475863.1	3864877	1.49E-04	1.53E-04	1.44E-04	5.16E-08	1.56E-07	9.02E-08	9.24E-08	8.37E-08	3.82E-08	3.60E-08	0.00E+00	0.00E+00	1.66E-08	3.14E-09	1.99E-08	3.07E-09	2.79E-09	4.55E-08	4.70E-08	1.73E-08	2.35E-08	8.78E-09	4.70E-08	1.73E-08
5160	476363.1	3864877	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	0.00E+00	0.00E+00	1.69E-08	3.20E-09	2.03E-08	3.13E-09	2.85E-09	4.64E-08	4.80E-08	1.76E-08	2.39E-08	8.95E-09	4.80E-08	1.76E-08
5161	476863.1	3864877	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	0.00E+00	0.00E+00	1.71E-08	3.23E-09	2.05E-08	3.16E-09	2.87E-09	4.68E-08	4.84E-08	1.78E-08	2.42E-08	9.04E-09	4.84E-08	1.78E-08
5162	477363.1	3864877	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	0.00E+00	0.00E+00	1.74E-08	3.29E-09	2.09E-08	3.22E-09	2.93E-09	4.77E-08	4.94E-08	1.81E-08	2.46E-08	9.21E-09	4.94E-08	1.81E-08
5163	477863.1	3864877	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	0.00E+00	0.00E+00	1.77E-08	3.35E-09	2.13E-08	3.28E-09	2.98E-09	4.86E-08	5.03E-08	1.85E-08	2.51E-08	9.38E-09	5.03E-08	1.85E-08
5164	478363.1	3864877	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	0.00E+00	0.00E+00	1.79E-08	3.38E-09	2.15E-08	3.31E-09	3.01E-09	4.91E-08	5.08E-08	1.86E-08	2.53E-08	9.47E-09	5.08E-08	1.86E-08
5165	478863.1	3864877	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	0.00E+00	0.00E+00	1.82E-08	3.45E-09	2.19E-08	3.37E-09	3.07E-09	5.00E-08	5.17E-08	1.90E-08	2.58E-08	9.64E-09	5.17E-08	1.90E-08
5166	479363.1	3864877	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
5167	479863.1	3864877	1.70E-04	1.74E-04	1.64E-04	5.88E-08	1.77E-07	1.03E-07	1.05E-07	9.53E-08	4.35E-08	4.10E-08	0.00E+00	0.00E+00	1.89E-08	3.57E-09	2.27E-08	3.49E-09	3.18E-09	5.18E-08	5.36E-08	1.96E-08	2.67E-08	9.99E-09	5.36E-08	1.96E-08
5168	480363.1	3864877	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	0.00E+00	0.00E+00	1.92E-08	3.63E-09	2.30E-08	3.55E-09	3.23E-09	5.27E-08	5.45E-08	2.00E-08	2.72E-08	1.02E-08	5.45E-08	2.00E-08
5169	480863.1	3864877	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
5170	481363.1	3864877	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
5171	481863.1	3864877	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	0.00E+00	0.00E+00	2.07E-08	3.91E-09	2.48E-08	3.83E-09	3.48E-09	5.67E-08	5.87E-08	2.15E-08	2.93E-08	1.09E-08	5.87E-08	2.15E-08
5172	482363.1	3864877	1.89E-04	1.93E-04	1.83E-04	6.54E-08	1.97E-07	1.14E-07	1.17E-07	1.06E-07	4.84E-08	4.57E-08	0.00E+00	0.00E+00	2.10E-08	3.97E-09	2.52E-08	3.89E-09	3.54E-09	5.76E-08	5.96E-08	2.19E-08	2.98E-08	1.11E-08	5.96E-08	2.19E-08
5173	482863.1	3864877	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	0.00E+00	0.00E+00	2.14E-08	4.04E-09	2.56E-08	3.95E-09	3.59E-09	5.85E-08	6.06E-08	2.22E-08	3.02E-08	1.13E-08	6.06E-08	2.22E-08

5174	483363.1	3864877	1.96E-04	2.01E-04	1.90E-04	6.79E-08	2.05E-07	1.19E-07	1.22E-07	1.10E-07	5.03E-08	4.75E-08	0.00E+00	0.00E+00	2.19E-08	4.13E-09	2.62E-08	4.04E-09	3.68E-09	5.99E-08	6.20E-08	2.27E-08	3.09E-08	1.16E-08	6.20E-08	2.27E-08
5175	483863.1	3864877	1.99E-04	2.04E-04	1.92E-04	6.90E-08	2.08E-07	1.21E-07	1.23E-07	1.12E-07	5.11E-08	4.82E-08	0.00E+00	0.00E+00	2.22E-08	4.19E-09	2.66E-08	4.10E-09	3.73E-09	6.08E-08	6.29E-08	2.31E-08	3.14E-08	1.17E-08	6.29E-08	2.31E-08
5176	484363.1	3864877	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	0.00E+00	0.00E+00	2.25E-08	4.25E-09	2.70E-08	4.16E-09	3.79E-09	6.17E-08	6.38E-08	2.34E-08	3.19E-08	1.19E-08	6.38E-08	2.34E-08
5177	484863.1	3864877	2.07E-04	2.12E-04	2.00E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.30E-08	5.00E-08	0.00E+00	0.00E+00	2.30E-08	4.35E-09	2.76E-08	4.25E-09	3.87E-09	6.30E-08	6.52E-08	2.39E-08	3.26E-08	1.22E-08	6.52E-08	2.39E-08
5178	485363.1	3864877	2.13E-04	2.18E-04	2.05E-04	7.36E-08	2.22E-07	1.29E-07	1.32E-07	1.19E-07	5.45E-08	5.14E-08	0.00E+00	0.00E+00	2.37E-08	4.47E-09	2.84E-08	4.37E-09	3.98E-09	6.48E-08	6.71E-08	2.46E-08	3.35E-08	1.25E-08	6.71E-08	2.46E-08
5179	485863.1	3864877	2.15E-04	2.21E-04	2.08E-04	7.46E-08	2.25E-07	1.30E-07	1.34E-07	1.21E-07	5.52E-08	5.21E-08	0.00E+00	0.00E+00	2.40E-08	4.53E-09	2.88E-08	4.44E-09	4.03E-09	6.57E-08	6.80E-08	2.49E-08	3.39E-08	1.27E-08	6.80E-08	2.49E-08
5180	486363.1	3864877	2.18E-04	2.24E-04	2.11E-04	7.56E-08	2.28E-07	1.32E-07	1.35E-07	1.23E-07	5.60E-08	5.28E-08	0.00E+00	0.00E+00	2.43E-08	4.59E-09	2.92E-08	4.50E-09	4.09E-09	6.67E-08	6.89E-08	2.53E-08	3.44E-08	1.29E-08	6.89E-08	2.53E-08
5181	486863.1	3864877	2.21E-04	2.27E-04	2.14E-04	7.66E-08	2.31E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.35E-08	0.00E+00	0.00E+00	2.46E-08	4.66E-09	2.95E-08	4.56E-09	4.14E-09	6.76E-08	6.99E-08	2.56E-08	3.49E-08	1.30E-08	6.99E-08	2.56E-08
5182	487363.1	3864877	2.26E-04	2.31E-04	2.18E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.46E-08	0.00E+00	0.00E+00	2.51E-08	4.75E-09	3.01E-08	4.65E-09	4.23E-09	6.89E-08	7.13E-08	2.61E-08	3.56E-08	1.33E-08	7.13E-08	2.61E-08
5183	487863.1	3864877	2.32E-04	2.37E-04	2.24E-04	8.02E-08	2.42E-07	1.40E-07	1.44E-07	1.30E-07	5.94E-08	5.60E-08	0.00E+00	0.00E+00	2.58E-08	4.87E-09	3.09E-08	4.77E-09	4.34E-09	7.07E-08	7.31E-08	2.68E-08	3.65E-08	1.36E-08	7.31E-08	2.68E-08
5184	488363.1	3864877	2.39E-04	2.45E-04	2.31E-04	8.28E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	6.13E-08	5.78E-08	0.00E+00	0.00E+00	2.66E-08	5.03E-09	3.19E-08	4.92E-09	4.48E-09	7.30E-08	7.55E-08	2.77E-08	3.77E-08	1.41E-08	7.55E-08	2.77E-08
5185	488863.1	3864877	2.45E-04	2.51E-04	2.37E-04	8.48E-08	2.56E-07	1.48E-07	1.52E-07	1.38E-07	6.28E-08	5.92E-08	0.00E+00	0.00E+00	2.73E-08	5.15E-09	3.27E-08	5.04E-09	4.59E-09	7.48E-08	7.73E-08	2.84E-08	3.86E-08	1.44E-08	7.73E-08	2.84E-08
5186	489363.1	3864877	2.51E-04	2.57E-04	2.42E-04	8.69E-08	2.62E-07	1.52E-07	1.55E-07	1.41E-07	6.43E-08	6.07E-08	0.00E+00	0.00E+00	2.79E-08	5.28E-09	3.35E-08	5.16E-09	4.70E-09	7.66E-08	7.92E-08	2.90E-08	3.95E-08	1.48E-08	7.92E-08	2.90E-08
5187	489863.1	3864877	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	0.00E+00	0.00E+00	2.84E-08	5.37E-09	3.41E-08	5.26E-09	4.78E-09	7.79E-08	8.06E-08	2.96E-08	4.02E-08	1.50E-08	8.06E-08	2.96E-08
5188	490363.1	3864877	2.61E-04	2.68E-04	2.52E-04	9.04E-08	2.73E-07	1.58E-07	1.62E-07	1.47E-07	6.70E-08	6.32E-08	0.00E+00	0.00E+00	2.91E-08	5.50E-09	3.49E-08	5.38E-09	4.89E-09	7.97E-08	8.24E-08	3.02E-08	4.12E-08	1.54E-08	8.24E-08	3.02E-08
5189	490863.1	3864877	2.27E-04	2.33E-04	2.20E-04	7.87E-08	2.38E-07	1.38E-07	1.41E-07	1.28E-07	5.83E-08	5.50E-08	0.00E+00	0.00E+00	2.53E-08	4.78E-09	3.03E-08	4.68E-09	4.26E-09	6.94E-08	7.17E-08	2.63E-08	3.58E-08	1.34E-08	7.17E-08	2.63E-08
5190	491363.1	3864877	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	0.00E+00	0.00E+00	2.84E-08	5.37E-09	3.41E-08	5.26E-09	4.78E-09	7.79E-08	8.06E-08	2.96E-08	4.02E-08	1.50E-08	8.06E-08	2.96E-08
5191	491863.1	3864877	2.20E-04	2.25E-04	2.12E-04	7.61E-08	2.30E-07	1.33E-07	1.36E-07	1.24E-07	5.64E-08	5.32E-08	0.00E+00	0.00E+00	2.45E-08	4.63E-09	2.94E-08	4.53E-09	4.12E-09	6.71E-08	6.94E-08	2.55E-08	3.46E-08	1.29E-08	6.94E-08	2.55E-08
5192	492363.1	3864877	1.34E-04	1.38E-04	1.30E-04	4.65E-08	1.40E-07	8.13E-08	8.32E-08	7.54E-08	3.44E-08	3.25E-08	0.00E+00	0.00E+00	1.50E-08	2.83E-09	1.79E-08	2.76E-09	2.51E-09	4.10E-08	4.24E-08	1.55E-08	2.12E-08	7.91E-09	4.24E-08	1.55E-08
5193	492863.1	3864877	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	0.00E+00	0.00E+00	1.59E-08	3.01E-09	1.91E-08	2.95E-09	2.68E-09	4.37E-08	4.52E-08	1.66E-08	2.26E-08	8.43E-09	4.52E-08	1.66E-08
5194	493363.1	3864877	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.98E-09	1.89E-08	2.92E-09	2.65E-09	4.32E-08	4.47E-08	1.64E-08	2.23E-08	8.34E-09	4.47E-08	1.64E-08
5195	493863.1	3864877	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	0.00E+00	0.00E+00	2.07E-08	3.91E-09	2.48E-08	3.83E-09	3.48E-09	5.67E-08	5.87E-08	2.15E-08	2.93E-08	1.09E-08	5.87E-08	2.15E-08
5196	494363.1	3864877	2.15E-04	2.21E-04	2.08E-04	7.46E-08	2.25E-07	1.30E-07	1.34E-07	1.21E-07	5.52E-08	5.21E-08	0.00E+00	0.00E+00	2.40E-08	4.53E-09	2.88E-08	4.44E-09	4.03E-09	6.57E-08	6.80E-08	2.49E-08	3.39E-08	1.27E-08	6.80E-08	2.49E-08
5197	494863.1	3864877	2.26E-04	2.31E-04	2.18E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.46E-08	0.00E+00	0.00E+00	2.51E-08	4.75E-09	3.01E-08	4.65E-09	4.23E-09	6.89E-08	7.13E-08	2.61E-08	3.56E-08	1.33E-08	7.13E-08	2.61E-08
5198	495363.1	3864877	2.32E-04	2.37E-04	2.24E-04	8.02E-08	2.42E-07	1.40E-07	1.44E-07	1.30E-07	5.94E-08	5.60E-08	0.00E+00	0.00E+00	2.58E-08	4.87E-09	3.09E-08	4.77E-09	4.34E-09	7.07E-08	7.31E-08	2.68E-08	3.65E-08	1.36E-08	7.31E-08	2.68E-08
5199	495863.1	3864877	2.46E-04	2.52E-04	2.38E-04	8.53E-08	2.58E-07	1.49E-07	1.53E-07	1.38E-07	6.32E-08	5.96E-08	0.00E+00	0.00E+00	2.74E-08	5.18E-09	3.29E-08	5.07E-09	4.61E-09	7.52E-08	7.78E-08	2.85E-08	3.88E-08	1.45E-08	7.78E-08	2.85E-08
5200	496363.1	3864877	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	0.00E+00	0.00E+00	2.60E-08	4.91E-09	3.11E-08	4.80E-09	4.37E-09	7.12E-08	7.36E-08	2.70E-08	3.67E-08	1.37E-08	7.36E-08	2.70E-08
5201	496863.1	3864877	2.39E-04	2.45E-04	2.31E-04	8.28E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	6.13E-08	5.78E-08	0.00E+00	0.00E+00	2.66E-08	5.03E-09	3.19E-08	4.92E-09	4.48E-09	7.30E-08	7.55E-08	2.77E-08	3.77E-08	1.41E-08	7.55E-08	2.77E-08
5202	497363.1	3864877	2.48E-04	2.54E-04	2.40E-04	8.58E-08	2.59E-07	1.50E-07	1.54E-07	1.39E-07	6.36E-08	6.00E-08	0.00E+00	0.00E+00	2.76E-08	5.22E-09	3.31E-08	5.10E-09	4.64E-09	7.57E-08	7.83E-08	2.87E-08	3.91E-08	1.46E-08	7.83E-08	2.87E-08
5203	497863.1	3864877	2.58E-04	2.65E-04	2.50E-04	8.94E-08	2.70E-07	1.56E-07	1.60E-07	1.45E-07	6.62E-08	6.24E-08	0.00E+00	0.00E+00	2.88E-08	5.43E-09	3.45E-08	5.32E-09	4.84E-09	7.88E-08	8.15E-08	2.99E-08	4.07E-08	1.52E-08	8.15E-08	2.99E-08
5204	498363.1	3864877	2.79E-04	2.86E-04	2.69E-04	9.66E-08	2.92E-07	1.69E-07	1.73E-07	1.57E-07	7.15E-08	6.74E-08	0.00E+00	0.00E+00	3.11E-08	5.87E-09	3.72E-08	5.74E-09	5.22E-09	8.51E-08	8.80E-08	3.23E-08	4.39E-08	1.64E-08	8.80E-08	3.23E-08
5205	471363.1	3865377	1.25E-04	1.28E-04	1.21E-04	4.34E-08	1.31E-07	7.59E-08	7.77E-08	7.05E-08	3.22E-08	3.03E-08	0.00E+00	0.00E+00	1.40E-08	2.64E-09	1.67E-08	2.58E-09	2.35E-09	3.83E-08	3.96E-08	1.45E-08	1.98E-08	7.38E-09	3.96E-08	1.45E-08
5206	471863.1	3865377	1.27E-04	1.30E-04	1.23E-04	4.39E-08	1.33E-07	7.68E-08	7.87E-08	7.13E-08	3.25E-08	3.07E-08	0.00E+00	0.00E+00	1.41E-08	2.67E-09	1.69E-08	2.61E-09	2.38E-09	3.87E-08	4.01E-08	1.47E-08	2.00E-08	7.47E-09	4.01E-08	1.47E-08
5207	472363.1	3865377	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	0.00E+00	0.00E+00	1.43E-08	2.70E-09	1.71E-08	2.64E-09	2.40E-09	3.92E-08	4.05E-08	1.49E-08	2.02E-08	7.56E-09	4.05E-08	1.49E-08
5208	472863.1	3865377	1.31E-04	1.35E-04	1.27E-04	4.55E-08	1.37E-07	7.95E-08	8.14E-08	7.38E-08	3.37E-08	3.18E-08	0.00E+00	0.00E+00	1.46E-08	2.76E-09	1.75E-08	2.70E-09	2.46E-09	4.01E-08	4.15E-08	1.52E-08	2.07E-08	7.73E-09	4.15E-08	1.52E-08
5209	473363.1	3865377	1.33E-04	1.36E-04	1.28E-04	4.60E-08	1.39E-07	8.04E-08	8.23E-08	7.46E-08	3.40E-08	3.21E-08	0.00E+00	0.00E+00	1.48E-08	2.79E-09	1.77E-08	2.73E-09	2.49E-09	4.05E-08	4.19E-08	1.54E-08	2.09E-08	7.82E-09	4.19E-08	1.54E-08
5210	473863.1	3865377	1.34E-04	1.38E-04	1.30E-04	4.65E-08	1.40E-07	8.13E-08	8.32E-08	7.54E-08	3.44E-08	3.25E-08	0.00E+00	0.00E+00	1.50E-08	2.83E-09	1.79E-08	2.76E-09	2.51E-09	4.10E-08	4.24E-08	1.55E-08	2.12E-08	7.91E-09	4.24E-08	1.55E-08
5211	474363.1	3865377	1.37E-04	1.41E-04	1.33E-04	4.75E-08	1.43E-07	8.30E-08	8.51E-08	7.71E-08	3.52E-08	3.32E-08	0.00E+00	0.00E+00	1.53E-08	2.89E-09	1.83E-08	2.83E-09	2.57E-09	4.19E-08	4.33E-08	1.59E-08	2.16E-08	8.08E-09	4.33E-08	1.59E-08
5212	474863.1	3865377	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	0.00E+00	0.00E+00	1.54E-08	2.92E-09	1.85E-08	2.86E-09	2.60E-09	4.23E-08	4.38E-08	1.61E-08	2.19E-08	8.17E-09	4.38E-08	1.61E-08
5213	475363.1	3865377	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.98E-09	1.89E-08	2.92E-09	2.65E-09	4.32E-08	4.47E-08	1.64E-08	2.23E-08	8.34E-09	4.47E-08	1.64E-08
5214	475863.1	3865377	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	0.00E+00	0.00E+00	1.59E-08	3.01E-09	1.91E-08	2.95E-09	2.68E-09	4.37E-08	4.52E-08	1.66E-08	2.26E-08	8.43E-09	4.52E-08	1.66E-08
5215	476363.1	3865377	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	0.00E+00	0.00E+00	1.63E-08	3.07E-09	1.95E-08	3.01E-09	2.74E-09	4.46E-08	4.61E-08	1.69E-08	2.30E-08	8.60E-09	4.61E-08	1.69E-08
5216	476863.1	3865377	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.98E-09	1.89E-08	2.92E-09	2.65E-09	4.32E-08	4.47E-08	1.64E-08	2.23E-08	8.34E-09	4.47E-08	1.64E-08
5217	477363.1	3865377	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	0.00E+00	0.00E+00	1.68E-08	3.17E-09	2.01E-08	3.10E-09	2.82E-09	4.59E-08	4.75E-08	1.74E-08	2.37E-08	8.86E-09	4.75E-08	1.74E-08
5218	477863.1	3865377	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	0.00E+00	0.00E+00	1.71E-08	3.23E-09	2.05E-08	3.16E-09	2.87E-09	4.68E-08	4.84E-08	1.78E-08	2.42E-08	9.04E-09	4.84E-08	1.78E-08
5219	478363.1	3865377	1.55E-04	1.59E-04	1.50E-04	5.36E-08	1.62E-07	9.38E-08	9.60E-08	8.71E-08	3.97E-08	3.75E-08	0.00E+00	0.00E+00	1.73E-08	3.26E-09	2.07E-08	3.19E-09	2.90E-09	4.73E-08	4.89E-08	1.79E-08	2.44E-08	9.12E-09	4.89E-08	1.79E-08
5220	478863.1	3865377	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	0.00E+00	0.00E+00	1.76E-08	3.32E-09	2.11E-08	3.25E-09	2.96E-09	4.82E-08	4.98E-08	1.83E-08	2.49E-08	9.30E-09	4.98E-08	1.83E-08
5221	479363.1	3865377	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	0.00E+00	0.00E+00	1.77E-08	3.35E-09	2.13E-08	3.28E-09	2.98E-09	4.86E-08	5.03E-08	1.85E-08	2.51E-08	9.38E-09	5.03E-08	1.85E-08
5222	479863.1	3865377	1.62E-04	1.66E-04	1.57E-04	5.62E-08	1.70E-07	9.82E-08	1.01E-07	9.12E-08	4.16E-08	3.93E-08	0.00E+00	0.00E+00	1.81E-08	3.41E-09	2.17E-08	3.34E-09	3.04E-09	4.95E-08	5.12E-08	1.88E-08	2.56E-08	9.56E-09	5.12E-08	1.88E-08
5223	480363.1	3865377	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	0.00E+00	0.00E+00	1.84E-08	3.48E-09	2.21E-08	3.40E-09	3.09E-09	5.04E-08	5.22E-08	1.91E-08	2.60E-08	9.73E-09	5.22E-08	1.91E-08
5224	480863.1	3865377	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	0.00E+00	0.00E+00	1.87E-08	3.54E-09	2.25E-08	3.46E-09	3.15E-09	5.13E-08	5.31E-08	1.95E-08	2.65E-08	9.90E-09	5.31E-08	1.95E-08
5225	481363.1	3865377	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	0.00E+00	0.00E+00	1.92E-08	3.63E-09	2.30E-08	3.55E-09	3.23E-09	5.27E-08	5.45E-08	2.00E-08	2.72E-08	1.02E-08	5.45E-08	2.00E-08
5226	481863.1	3865377	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
5227	482363.1	3865377	1.77E-04	1.81E-04	1.71E-04	6.13E-08	1.85E-07	1.07E-07	1.10E-07	9.95E-08	4.54E-08	4.28E-08	0.00E+00	0.00E+00	1.97E-08	3.73E-09	2.36E-08	3.65E-09	3.32E-09	5.40E-08	5.59E-08	2.05E-08	2.79E-08	1.04E-08	5.59E-08	2.05E-08
5228	482863.1	3865377	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	0.00E+00	0.00E+00	2.00E-08	3.79E-09	2.40E-08	3.71E-09	3.37E-09	5.49E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
5229	483363.1	3865377	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	0.00E+00	0.00E+00	2.04E-08	3.85E-09	2.44E-08	3.77E-09	3.43E-09	5.58E-08	5.78E-08	2.12E-08	2.88E-08	1.08E-08	5.78E-08	2.12E-08
5230	483863.1	3865377	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	0.00E+00	0.00E+00	2.07E-08	3.91E-09	2.48E-08	3.83E-09	3.48E-09	5.67E-08	5.87E-08	2.15E-08	2.93E-08	1.09E-08	5.87E-08	2.15E-08
5231	484363.1	3865377	1.87E-04	1.92E-04	1.81E-04	6.49E-08	1.96E-07	1.13E-07	1.16E-07	1.05E-07	4.80E-08	4.53E-08	0.00E+00	0.00E+00	2.09E-08	3.94E-09	2.50E-08	3.86E-09	3.51E-09	5.72E-08	5.92E-08	2.17E-08	2.95E-08	1.10E-08	5.92E-08	2.17E-08
5232	484863.1	3865377	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	0.00E+00	0.00E+00	2.14E-08	4.04E-09	2.56E-08	3.95E-09	3.59E-09	5.85E-08	6.06E-08	2.22E-08	3.02E-08	1.13E-08	6.06E-08	2.22E-08
5233	485363.1	3865377	1.95E-04	2.00E-04	1.88E-04	6.74E-08	2.04E-07	1.18E-07	1.21E-07	1.09E-07	4.99E-08	4.71E-08	0.00E+00	0.00E+00	2.17E-08	4.10E-09	2.60E-08	4.01E-09	3.65E-09	5.94E-08	6.15E-08	2.26E-08	3.07E-08	1.15E-08	6.15E-08	2.26E-08
5234	485863.1	3865377	1.99E-04	2.04E-04	1.92E-04	6.90E-08	2.08E-07	1.21E-07	1.23E-07	1.12E-07	5.11E-08	4.82E-08	0.00E+00	0.00E+00	2.22E-08	4.19E-09	2.66E-08	4.10E-09	3.73E-09	6.08E-08	6.29E-08	2.31E-08	3.14E-08	1.17E-08	6.29E-08	2.31E-08
5235	486363.1	3865377	2.01E-04	2.06E-04	1.94E-04	6.95E-08	2.10E-07	1.21E-07	1.24E-07	1.13E-07	5.15E-08	4.85E-08	0.00E+00	0.00E+00	2.23E-08	4.22E-09	2.68E-08	4.13E-09	3.76E-09	6.12E-08	6.34E-08	2.32E-08	3.16E-08	1.18E-08	6.34E-08	2.32E-08
5236	486863.1	3865377	2.04E-04	2.09E-04	1.97E-04	7.05E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.22E-08	4.92E-08	0.00E+00	0.00E+00	2.27E-08	4.28E-09	2.72E-08	4.19E-09	3.81E-09	6.21E-08	6.43E-08	2.36E-08	3.21E-08	1.20E-08	6.43E-08	2.36E-08
5237	487363.1	3865377	2.07E-04	2.12E-04	2.00E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.30E-08	5.00E-08	0.00E+00	0.00E+00	2.30E-08	4.35E-09	2.76E-08	4.25E-09	3.87E-09	6.30E-08	6.52E-08	2.39E-08	3.26E-08	1.22E-08	6.52E-08	2.39E-08
5238	487863.1	3865377	2.10E-04	2.15E-04	2.02E-04	7.25E-08	2.19E-07	1.27E-07	1.30E-07	1.18E-07	5.37E-08	5.07E-08	0.00E+00	0.00E+00	2.33E-08	4.41E-09	2.80E-08	4.31E-09	3.92E-09	6.39E-08	6.61E-08	2.43E-08	3.30E-08	1.23E-08	6.61E-08	2.43E-08
5239	488363.1	3865377	2.14E-04	2.19E-04	2.07E-04	7.41E-08	2.24E-07	1.29E-07	1.33E-07	1.20E-07	5.49E-08	5.17E-08	0.00E+00	0.00E+00	2.38E-08	4.50E-09	2.86E-08	4.40E-09	4.01E-09	6.53E-08	6.75E-08	2.48E-08	3.37E-08	1.26E-08	6.75E-08	2.48E-08
5240	488863.1	3865377	2.21E-04	2.27E-04	2.14E-04	7.66E-08	2.31E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.35E-08	0.00E+00	0.00E+00	2.46E-08	4.66E-09	2.95E-08	4.56E-09	4.14E-09	6.76E-08	6.99E-08	2.56E-08	3.49E-08	1.30E-08	6.99E-08	2.56E-08
5241	489363.1	3865377	2.27E-04	2.33E-04	2.20E-04	7.87E-08	2.38E-07	1.38E-07	1.41E-07	1.28E-07	5.83E-08	5.50E-08	0.00E+00	0.00E+00	2.53E-08	4.78E-09	3.03E-08	4.68E-09	4.26E-09	6.94E-08	7.17E-08	2.63E-08	3.58E-08	1.34E-08	7.17E-08	2.63E-08
5242	489863.1	3865377	2.32E-04	2.37E-04	2.24E-04	8.02E-08	2.42E-07	1.40E-07	1.44E-07	1.30E-07	5.94E-08	5.60E-08	0.00E+00	0.00E+00	2.58E-08	4.87E-09	3.09E-08	4.77E-09	4.34E-09	7.07E-08	7.31E-08	2.68E-08	3.65E-08	1.36E-08	7.31E-08	2.68E-08
5243	490363.1	3865377	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.38E-09	2.78E-08	4.28E-09	3.90E-09	6.35E-08	6.57E-08	2.41E-08	3.28E-08	1.23E-08	6.57E-08	2.41E-08
5244	490863.1	3865377	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	0.00E+00	0.00E+00	2.25E-08	4.25E-09	2.70E-08	4.16E-09	3.79E-09	6.17E-08	6.38E-08	2.34E-08	3.19E-08	1.19E-08	6.38E-08	2.34E-08
5245	491363.1	3865377	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	0.00E+00	0.00E+00	2.20E-08	4.16E-09	2.64E-08	4.07E-09	3.70E-09	6.03E-08	6.24E-08	2.29E-08	3.12E-08	1.16E-08	6.24E-08	2.29E-08
5246	491863.1	3865377	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	0.00E+00	0.00E+00	2.20E-08	4.16E-09	2.64E-08	4.07E-09	3.70E-09	6.03E-08	6.24E-08	2.29E-08	3.12E-08	1.16E-08	6.24E-08	2.29E-08
5247	492363.1	3865377	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08

5248	492863.1	3865377	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	0.00E+00	0.00E+00	1.56E-08	2.95E-09	1.87E-08	2.89E-09	2.63E-09	4.28E-08	4.43E-08	1.62E-08	2.21E-08	8.25E-09	4.43E-08	1.62E-08
5249	493363.1	3865377	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	0.00E+00	0.00E+00	1.43E-08	2.70E-09	1.71E-08	2.64E-09	2.40E-09	3.92E-08	4.05E-08	1.49E-08	2.02E-08	7.56E-09	4.05E-08	1.49E-08
5250	493863.1	3865377	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	0.00E+00	0.00E+00	1.61E-08	3.04E-09	1.93E-08	2.98E-09	2.71E-09	4.41E-08	4.56E-08	1.67E-08	2.28E-08	8.51E-09	4.56E-08	1.67E-08
5251	494363.1	3865377	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
5252	494863.1	3865377	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	0.00E+00	0.00E+00	2.05E-08	3.88E-09	2.46E-08	3.80E-09	3.45E-09	5.63E-08	5.82E-08	2.14E-08	2.91E-08	1.09E-08	5.82E-08	2.14E-08
5253	495363.1	3865377	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	0.00E+00	0.00E+00	2.15E-08	4.07E-09	2.58E-08	3.98E-09	3.62E-09	5.90E-08	6.10E-08	2.24E-08	3.05E-08	1.14E-08	6.10E-08	2.24E-08
5254	495863.1	3865377	2.05E-04	2.10E-04	1.98E-04	7.10E-08	2.14E-07	1.24E-07	1.27E-07	1.15E-07	5.26E-08	4.96E-08	0.00E+00	0.00E+00	2.28E-08	4.32E-09	2.74E-08	4.22E-09	3.84E-09	6.26E-08	6.47E-08	2.37E-08	3.23E-08	1.21E-08	6.47E-08	2.37E-08
5255	496363.1	3865377	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	0.00E+00	0.00E+00	2.12E-08	4.00E-09	2.54E-08	3.92E-09	3.56E-09	5.81E-08	6.01E-08	2.20E-08	3.00E-08	1.12E-08	6.01E-08	2.20E-08
5256	496863.1	3865377	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	0.00E+00	0.00E+00	2.05E-08	3.88E-09	2.46E-08	3.80E-09	3.45E-09	5.63E-08	5.82E-08	2.14E-08	2.91E-08	1.09E-08	5.82E-08	2.14E-08
5257	497363.1	3865377	2.04E-04	2.09E-04	1.97E-04	7.05E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.22E-08	4.92E-08	0.00E+00	0.00E+00	2.27E-08	4.28E-09	2.72E-08	4.19E-09	3.81E-09	6.21E-08	6.43E-08	2.36E-08	3.21E-08	1.20E-08	6.43E-08	2.36E-08
5258	497863.1	3865377	2.10E-04	2.15E-04	2.02E-04	7.25E-08	2.19E-07	1.27E-07	1.30E-07	1.18E-07	5.37E-08	5.07E-08	0.00E+00	0.00E+00	2.33E-08	4.41E-09	2.80E-08	4.31E-09	3.92E-09	6.39E-08	6.61E-08	2.43E-08	3.30E-08	1.23E-08	6.61E-08	2.43E-08
5259	498363.1	3865377	2.05E-04	2.10E-04	1.98E-04	7.10E-08	2.14E-07	1.24E-07	1.27E-07	1.15E-07	5.26E-08	4.96E-08	0.00E+00	0.00E+00	2.28E-08	4.32E-09	2.74E-08	4.22E-09	3.84E-09	6.26E-08	6.47E-08	2.37E-08	3.23E-08	1.21E-08	6.47E-08	2.37E-08
5260	471363.1	3865877	1.21E-04	1.24E-04	1.17E-04	4.19E-08	1.26E-07	7.32E-08	7.50E-08	6.80E-08	3.10E-08	2.93E-08	0.00E+00	0.00E+00	1.35E-08	2.55E-09	1.62E-08	2.49E-09	2.27E-09	3.69E-08	3.82E-08	1.40E-08	1.91E-08	7.12E-09	3.82E-08	1.40E-08
5261	471863.1	3865877	1.24E-04	1.27E-04	1.20E-04	4.29E-08	1.30E-07	7.50E-08	7.68E-08	6.96E-08	3.18E-08	3.00E-08	0.00E+00	0.00E+00	1.38E-08	2.61E-09	1.65E-08	2.55E-09	2.32E-09	3.78E-08	3.91E-08	1.44E-08	1.95E-08	7.30E-09	3.91E-08	1.44E-08
5262	472363.1	3865877	1.25E-04	1.28E-04	1.21E-04	4.34E-08	1.31E-07	7.59E-08	7.77E-08	7.05E-08	3.22E-08	3.03E-08	0.00E+00	0.00E+00	1.40E-08	2.64E-09	1.67E-08	2.58E-09	2.35E-09	3.83E-08	3.96E-08	1.45E-08	1.98E-08	7.38E-09	3.96E-08	1.45E-08
5263	472863.1	3865877	1.27E-04	1.30E-04	1.23E-04	4.39E-08	1.33E-07	7.68E-08	7.87E-08	7.13E-08	3.25E-08	3.07E-08	0.00E+00	0.00E+00	1.41E-08	2.67E-09	1.69E-08	2.61E-09	2.38E-09	3.87E-08	4.01E-08	1.47E-08	2.00E-08	7.47E-09	4.01E-08	1.47E-08
5264	473363.1	3865877	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	0.00E+00	0.00E+00	1.43E-08	2.70E-09	1.71E-08	2.64E-09	2.40E-09	3.92E-08	4.05E-08	1.49E-08	2.02E-08	7.56E-09	4.05E-08	1.49E-08
5265	473863.1	3865877	1.31E-04	1.35E-04	1.27E-04	4.55E-08	1.37E-07	7.95E-08	8.14E-08	7.38E-08	3.37E-08	3.18E-08	0.00E+00	0.00E+00	1.46E-08	2.76E-09	1.75E-08	2.70E-09	2.46E-09	4.01E-08	4.15E-08	1.52E-08	2.07E-08	7.73E-09	4.15E-08	1.52E-08
5266	474363.1	3865877	1.33E-04	1.36E-04	1.28E-04	4.60E-08	1.39E-07	8.04E-08	8.23E-08	7.46E-08	3.40E-08	3.21E-08	0.00E+00	0.00E+00	1.48E-08	2.79E-09	1.77E-08	2.73E-09	2.49E-09	4.05E-08	4.19E-08	1.54E-08	2.09E-08	7.82E-09	4.19E-08	1.54E-08
5267	474863.1	3865877	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	0.00E+00	0.00E+00	1.51E-08	2.86E-09	1.81E-08	2.79E-09	2.54E-09	4.14E-08	4.29E-08	1.57E-08	2.14E-08	7.99E-09	4.29E-08	1.57E-08
5268	475363.1	3865877	1.37E-04	1.41E-04	1.33E-04	4.75E-08	1.43E-07	8.30E-08	8.51E-08	7.71E-08	3.52E-08	3.32E-08	0.00E+00	0.00E+00	1.53E-08	2.89E-09	1.83E-08	2.83E-09	2.57E-09	4.19E-08	4.33E-08	1.59E-08	2.16E-08	8.08E-09	4.33E-08	1.59E-08
5269	475863.1	3865877	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	0.00E+00	0.00E+00	1.56E-08	2.95E-09	1.87E-08	2.89E-09	2.63E-09	4.28E-08	4.43E-08	1.62E-08	2.21E-08	8.25E-09	4.43E-08	1.62E-08
5270	476363.1	3865877	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	0.00E+00	0.00E+00	1.56E-08	2.95E-09	1.87E-08	2.89E-09	2.63E-09	4.28E-08	4.43E-08	1.62E-08	2.21E-08	8.25E-09	4.43E-08	1.62E-08
5271	476863.1	3865877	1.37E-04	1.41E-04	1.33E-04	4.75E-08	1.43E-07	8.30E-08	8.51E-08	7.71E-08	3.52E-08	3.32E-08	0.00E+00	0.00E+00	1.53E-08	2.89E-09	1.83E-08	2.83E-09	2.57E-09	4.19E-08	4.33E-08	1.59E-08	2.16E-08	8.08E-09	4.33E-08	1.59E-08
5272	477363.1	3865877	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	0.00E+00	0.00E+00	1.63E-08	3.07E-09	1.95E-08	3.01E-09	2.74E-09	4.46E-08	4.61E-08	1.69E-08	2.30E-08	8.60E-09	4.61E-08	1.69E-08
5273	477863.1	3865877	1.48E-04	1.51E-04	1.43E-04	5.11E-08	1.54E-07	8.93E-08	9.15E-08	8.29E-08	3.78E-08	3.57E-08	0.00E+00	0.00E+00	1.64E-08	3.10E-09	1.97E-08	3.04E-09	2.76E-09	4.50E-08	4.66E-08	1.71E-08	2.33E-08	8.69E-09	4.66E-08	1.71E-08
5274	478363.1	3865877	1.49E-04	1.53E-04	1.44E-04	5.16E-08	1.56E-07	9.02E-08	9.24E-08	8.37E-08	3.82E-08	3.60E-08	0.00E+00	0.00E+00	1.66E-08	3.14E-09	1.99E-08	3.07E-09	2.79E-09	4.55E-08	4.70E-08	1.73E-08	2.35E-08	8.78E-09	4.70E-08	1.73E-08
5275	478863.1	3865877	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	0.00E+00	0.00E+00	1.68E-08	3.17E-09	2.01E-08	3.10E-09	2.82E-09	4.59E-08	4.75E-08	1.74E-08	2.37E-08	8.86E-09	4.75E-08	1.74E-08
5276	479363.1	3865877	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	0.00E+00	0.00E+00	1.69E-08	3.20E-09	2.03E-08	3.13E-09	2.85E-09	4.64E-08	4.80E-08	1.76E-08	2.39E-08	8.95E-09	4.80E-08	1.76E-08
5277	479863.1	3865877	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	0.00E+00	0.00E+00	1.71E-08	3.23E-09	2.05E-08	3.16E-09	2.87E-09	4.68E-08	4.84E-08	1.78E-08	2.42E-08	9.04E-09	4.84E-08	1.78E-08
5278	480363.1	3865877	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	0.00E+00	0.00E+00	1.74E-08	3.29E-09	2.09E-08	3.22E-09	2.93E-09	4.77E-08	4.94E-08	1.81E-08	2.46E-08	9.21E-09	4.94E-08	1.81E-08
5279	480863.1	3865877	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	0.00E+00	0.00E+00	1.76E-08	3.32E-09	2.11E-08	3.25E-09	2.96E-09	4.82E-08	4.98E-08	1.83E-08	2.49E-08	9.30E-09	4.98E-08	1.83E-08
5280	481363.1	3865877	1.62E-04	1.66E-04	1.57E-04	5.62E-08	1.70E-07	9.82E-08	1.01E-07	9.12E-08	4.16E-08	3.93E-08	0.00E+00	0.00E+00	1.81E-08	3.41E-09	2.17E-08	3.34E-09	3.04E-09	4.95E-08	5.12E-08	1.88E-08	2.56E-08	9.56E-09	5.12E-08	1.88E-08
5281	481863.1	3865877	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	0.00E+00	0.00E+00	1.82E-08	3.45E-09	2.19E-08	3.37E-09	3.07E-09	5.00E-08	5.17E-08	1.90E-08	2.58E-08	9.64E-09	5.17E-08	1.90E-08
5282	482363.1	3865877	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	0.00E+00	0.00E+00	1.84E-08	3.48E-09	2.21E-08	3.40E-09	3.09E-09	5.04E-08	5.22E-08	1.91E-08	2.60E-08	9.73E-09	5.22E-08	1.91E-08
5283	482863.1	3865877	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	0.00E+00	0.00E+00	1.87E-08	3.54E-09	2.25E-08	3.46E-09	3.15E-09	5.13E-08	5.31E-08	1.95E-08	2.65E-08	9.90E-09	5.31E-08	1.95E-08
5284	483363.1	3865877	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	0.00E+00	0.00E+00	1.91E-08	3.60E-09	2.29E-08	3.52E-09	3.21E-09	5.22E-08	5.40E-08	1.98E-08	2.70E-08	1.01E-08	5.40E-08	1.98E-08
5285	483863.1	3865877	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	0.00E+00	0.00E+00	1.92E-08	3.63E-09	2.30E-08	3.55E-09	3.23E-09	5.27E-08	5.45E-08	2.00E-08	2.72E-08	1.02E-08	5.45E-08	2.00E-08
5286	484363.1	3865877	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
5287	484863.1	3865877	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	0.00E+00	0.00E+00	1.99E-08	3.76E-09	2.38E-08	3.68E-09	3.34E-09	5.45E-08	5.64E-08	2.07E-08	2.81E-08	1.05E-08	5.64E-08	2.07E-08
5288	485363.1	3865877	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	0.00E+00	0.00E+00	2.00E-08	3.79E-09	2.40E-08	3.71E-09	3.37E-09	5.49E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
5289	485863.1	3865877	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	0.00E+00	0.00E+00	2.04E-08	3.85E-09	2.44E-08	3.77E-09	3.43E-09	5.58E-08	5.78E-08	2.12E-08	2.88E-08	1.08E-08	5.78E-08	2.12E-08
5290	486363.1	3865877	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	0.00E+00	0.00E+00	2.05E-08	3.88E-09	2.46E-08	3.80E-09	3.45E-09	5.63E-08	5.82E-08	2.14E-08	2.91E-08	1.09E-08	5.82E-08	2.14E-08
5291	486863.1	3865877	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	0.00E+00	0.00E+00	2.07E-08	3.91E-09	2.48E-08	3.83E-09	3.48E-09	5.67E-08	5.87E-08	2.15E-08	2.93E-08	1.09E-08	5.87E-08	2.15E-08
5292	487363.1	3865877	1.89E-04	1.93E-04	1.83E-04	6.54E-08	1.97E-07	1.14E-07	1.17E-07	1.06E-07	4.84E-08	4.57E-08	0.00E+00	0.00E+00	2.10E-08	3.97E-09	2.52E-08	3.89E-09	3.54E-09	5.76E-08	5.96E-08	2.19E-08	2.98E-08	1.11E-08	5.96E-08	2.19E-08
5293	487863.1	3865877	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	0.00E+00	0.00E+00	2.15E-08	4.07E-09	2.58E-08	3.98E-09	3.62E-09	5.90E-08	6.10E-08	2.24E-08	3.05E-08	1.14E-08	6.10E-08	2.24E-08
5294	488363.1	3865877	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	0.00E+00	0.00E+00	2.20E-08	4.16E-09	2.64E-08	4.07E-09	3.70E-09	6.03E-08	6.24E-08	2.29E-08	3.12E-08	1.16E-08	6.24E-08	2.29E-08
5295	488863.1	3865877	2.04E-04	2.09E-04	1.97E-04	7.05E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.22E-08	4.92E-08	0.00E+00	0.00E+00	2.27E-08	4.28E-09	2.72E-08	4.19E-09	3.81E-09	6.21E-08	6.43E-08	2.36E-08	3.21E-08	1.20E-08	6.43E-08	2.36E-08
5296	489363.1	3865877	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.38E-09	2.78E-08	4.28E-09	3.90E-09	6.35E-08	6.57E-08	2.41E-08	3.28E-08	1.23E-08	6.57E-08	2.41E-08
5297	489863.1	3865877	2.10E-04	2.15E-04	2.02E-04	7.25E-08	2.19E-07	1.27E-07	1.30E-07	1.18E-07	5.37E-08	5.07E-08	0.00E+00	0.00E+00	2.33E-08	4.41E-09	2.80E-08	4.31E-09	3.92E-09	6.39E-08	6.61E-08	2.43E-08	3.30E-08	1.23E-08	6.61E-08	2.43E-08
5298	490363.1	3865877	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	0.00E+00	0.00E+00	2.25E-08	4.25E-09	2.70E-08	4.16E-09	3.79E-09	6.17E-08	6.38E-08	2.34E-08	3.19E-08	1.19E-08	6.38E-08	2.34E-08
5299	490863.1	3865877	1.89E-04	1.93E-04	1.83E-04	6.54E-08	1.97E-07	1.14E-07	1.17E-07	1.06E-07	4.84E-08	4.57E-08	0.00E+00	0.00E+00	2.10E-08	3.97E-09	2.52E-08	3.89E-09	3.54E-09	5.76E-08	5.96E-08	2.19E-08	2.98E-08	1.11E-08	5.96E-08	2.19E-08
5300	491363.1	3865877	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
5301	491863.1	3865877	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
5302	492363.1	3865877	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	0.00E+00	0.00E+00	1.84E-08	3.48E-09	2.21E-08	3.40E-09	3.09E-09	5.04E-08	5.22E-08	1.91E-08	2.60E-08	9.73E-09	5.22E-08	1.91E-08
5303	492863.1	3865877	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	0.00E+00	0.00E+00	1.51E-08	2.86E-09	1.81E-08	2.79E-09	2.54E-09	4.14E-08	4.29E-08	1.57E-08	2.14E-08	7.99E-09	4.29E-08	1.57E-08
5304	493363.1	3865877	1.30E-04	1.33E-04	1.25E-04	4.50E-08	1.36E-07	7.86E-08	8.05E-08	7.30E-08	3.33E-08	3.14E-08	0.00E+00	0.00E+00	1.45E-08	2.73E-09	1.73E-08	2.67E-09	2.43E-09	3.96E-08	4.10E-08	1.50E-08	2.05E-08	7.65E-09	4.10E-08	1.50E-08
5305	493863.1	3865877	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	0.00E+00	0.00E+00	1.51E-08	2.86E-09	1.81E-08	2.79E-09	2.54E-09	4.14E-08	4.29E-08	1.57E-08	2.14E-08	7.99E-09	4.29E-08	1.57E-08
5306	494363.1	3865877	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	0.00E+00	0.00E+00	1.63E-08	3.07E-09	1.95E-08	3.01E-09	2.74E-09	4.46E-08	4.61E-08	1.69E-08	2.30E-08	8.60E-09	4.61E-08	1.69E-08
5307	494863.1	3865877	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
5308	495363.1	3865877	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	0.00E+00	0.00E+00	1.92E-08	3.63E-09	2.30E-08	3.55E-09	3.23E-09	5.27E-08	5.45E-08	2.00E-08	2.72E-08	1.02E-08	5.45E-08	2.00E-08
5309	495863.1	3865877	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	0.00E+00	0.00E+00	1.92E-08	3.63E-09	2.30E-08	3.55E-09	3.23E-09	5.27E-08	5.45E-08	2.00E-08	2.72E-08	1.02E-08	5.45E-08	2.00E-08
5310	496363.1	3865877	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	0.00E+00	0.00E+00	1.84E-08	3.48E-09	2.21E-08	3.40E-09	3.09E-09	5.04E-08	5.22E-08	1.91E-08	2.60E-08	9.73E-09	5.22E-08	1.91E-08
5311	496863.1	3865877	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	0.00E+00	0.00E+00	1.74E-08	3.29E-09	2.09E-08	3.22E-09	2.93E-09	4.77E-08	4.94E-08	1.81E-08	2.46E-08	9.21E-09	4.94E-08	1.81E-08
5312	497363.1	3865877	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	0.00E+00	0.00E+00	1.79E-08	3.38E-09	2.15E-08	3.31E-09	3.01E-09	4.91E-08	5.08E-08	1.86E-08	2.53E-08	9.47E-09	5.08E-08	1.86E-08
5313	497863.1	3865877	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	0.00E+00	0.00E+00	1.87E-08	3.54E-09	2.25E-08	3.46E-09	3.15E-09	5.13E-08	5.31E-08	1.95E-08	2.65E-08	9.90E-09	5.31E-08	1.95E-08
5314	498363.1	3865877	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	0.00E+00	0.00E+00	1.76E-08	3.32E-09	2.11E-08	3.25E-09	2.96E-09	4.82E-08	4.98E-08	1.83E-08	2.49E-08	9.30E-09	4.98E-08	1.83E-08
5315	471363.1	3866377	1.18E-04	1.21E-04	1.14E-04	4.09E-08	1.23E-07	7.14E-08	7.32E-08	6.63E-08	3.03E-08	2.85E-08	0.00E+00	0.00E+00	1.31E-08	2.48E-09	1.58E-08	2.43E-09	2.21E-09	3.60E-08	3.73E-08	1.37E-08	1.86E-08	6.95E-09	3.73E-08	1.37E-08
5316	471863.1	3866377	1.20E-04	1.22E-04	1.15E-04	4.14E-08	1.25E-07	7.23E-08	7.41E-08	6.72E-08	3.06E-08	2.89E-08	0.00E+00	0.00E+00	1.33E-08	2.51E-09	1.60E-08	2.46E-09	2.24E-09	3.65E-08	3.77E-08	1.38E-08	1.88E-08	7.04E-09	3.77E-08	1.38E-08
5317	472363.1	3866377	1.22E-04	1.25E-04	1.18E-04	4.24E-08	1.28E-07	7.41E-08	7.59E-08	6.88E-08	3.14E-08	2.96E-08	0.00E+00	0.00E+00	1.36E-08	2.58E-09	1.64E-08	2.52E-09	2.29E-09	3.74E-08	3.87E-08	1.42E-08	1.93E-08	7.21E-09	3.87E-08	1.42E-08
5318	472863.1	3866377	1.24E-04	1.27E-04	1.20E-04	4.29E-08	1.30E-07	7.50E-08	7.68E-08	6.96E-08	3.18E-08	3.00E-08	0.00E+00	0.00E+00	1.38E-08	2.61E-09	1.65E-08	2.55E-09	2.32E-09	3.78E-08	3.91E-08	1.44E-08	1.95E-08	7.30E-09	3.91E-08	1.44E-08
5319	473363.1	3866377	1.25E-04	1.28E-04	1.21E-04	4.34E-08	1.31E-07	7.59E-08	7.77E-08	7.05E-08	3.22E-08	3.03E-08	0.00E+00	0.00E+00	1.40E-08	2.64E-09	1.67E-08	2.58E-09	2.35E-09	3.83E-08	3.96E-08	1.45E-08	1.98E-08	7.38E-09	3.96E-08	1.45E-08
5320	473863.1	3866377	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	0.00E+00	0.00E+00	1.43E-08	2.70E-09	1.71E-08	2.64E-09	2.40E-09	3.92E-08	4.05E-08	1.49E-08	2.02E-08	7.56E-09	4.05E-08	1.49E-08
5321	474363.1	3866377	1.30E-04	1.33E-04	1.25E-04	4.50E-08	1.36E-07	7.86E-08	8.05E-08	7.30E-08	3.33E-08	3.14E-08	0.00E+00	0.00E+00	1.45E-08	2.73E-09	1.73E-08	2.67E-09	2.43E-09	3.96E-08	4.10E-08	1.50E-08	2.05E-08	7.65E-09	4.10E-08	1.50E-08

5322	474863.1	3866377	1.31E-04	1.35E-04	1.27E-04	4.55E-08	1.37E-07	7.95E-08	8.14E-08	7.38E-08	3.37E-08	3.18E-08	0.00E+00	0.00E+00	1.46E-08	2.76E-09	1.75E-08	2.70E-09	2.46E-09	4.01E-08	4.15E-08	1.52E-08	2.07E-08	7.73E-09	4.15E-08	1.52E-08
5323	475363.1	3866377	1.33E-04	1.36E-04	1.28E-04	4.60E-08	1.39E-07	8.04E-08	8.23E-08	7.46E-08	3.40E-08	3.21E-08	0.00E+00	0.00E+00	1.48E-08	2.79E-09	1.77E-08	2.73E-09	2.49E-09	4.05E-08	4.19E-08	1.54E-08	2.09E-08	7.82E-09	4.19E-08	1.54E-08
5324	475863.1	3866377	1.34E-04	1.38E-04	1.30E-04	4.65E-08	1.40E-07	8.13E-08	8.32E-08	7.54E-08	3.44E-08	3.25E-08	0.00E+00	0.00E+00	1.50E-08	2.83E-09	1.79E-08	2.76E-09	2.51E-09	4.10E-08	4.24E-08	1.55E-08	2.12E-08	7.91E-09	4.24E-08	1.55E-08
5325	476363.1	3866377	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	0.00E+00	0.00E+00	1.51E-08	2.86E-09	1.81E-08	2.79E-09	2.54E-09	4.14E-08	4.29E-08	1.57E-08	2.14E-08	7.99E-09	4.29E-08	1.57E-08
5326	476863.1	3866377	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	0.00E+00	0.00E+00	1.43E-08	2.70E-09	1.71E-08	2.64E-09	2.40E-09	3.92E-08	4.05E-08	1.49E-08	2.02E-08	7.56E-09	4.05E-08	1.49E-08
5327	477363.1	3866377	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	0.00E+00	0.00E+00	1.51E-08	2.86E-09	1.81E-08	2.79E-09	2.54E-09	4.14E-08	4.29E-08	1.57E-08	2.14E-08	7.99E-09	4.29E-08	1.57E-08
5328	477863.1	3866377	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.98E-09	1.89E-08	2.92E-09	2.65E-09	4.32E-08	4.47E-08	1.64E-08	2.23E-08	8.34E-09	4.47E-08	1.64E-08
5329	478363.1	3866377	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.98E-09	1.89E-08	2.92E-09	2.65E-09	4.32E-08	4.47E-08	1.64E-08	2.23E-08	8.34E-09	4.47E-08	1.64E-08
5330	478863.1	3866377	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	0.00E+00	0.00E+00	1.59E-08	3.01E-09	1.91E-08	2.95E-09	2.68E-09	4.37E-08	4.52E-08	1.66E-08	2.26E-08	8.43E-09	4.52E-08	1.66E-08
5331	479363.1	3866377	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	0.00E+00	0.00E+00	1.61E-08	3.04E-09	1.93E-08	2.98E-09	2.71E-09	4.41E-08	4.56E-08	1.67E-08	2.28E-08	8.51E-09	4.56E-08	1.67E-08
5332	479863.1	3866377	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	0.00E+00	0.00E+00	1.63E-08	3.07E-09	1.95E-08	3.01E-09	2.74E-09	4.46E-08	4.61E-08	1.69E-08	2.30E-08	8.60E-09	4.61E-08	1.69E-08
5333	480363.1	3866377	1.48E-04	1.51E-04	1.43E-04	5.11E-08	1.54E-07	8.93E-08	9.15E-08	8.29E-08	3.78E-08	3.57E-08	0.00E+00	0.00E+00	1.64E-08	3.10E-09	1.97E-08	3.04E-09	2.76E-09	4.50E-08	4.66E-08	1.71E-08	2.33E-08	8.69E-09	4.66E-08	1.71E-08
5334	480863.1	3866377	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	0.00E+00	0.00E+00	1.68E-08	3.17E-09	2.01E-08	3.10E-09	2.82E-09	4.59E-08	4.75E-08	1.74E-08	2.37E-08	8.86E-09	4.75E-08	1.74E-08
5335	481363.1	3866377	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	0.00E+00	0.00E+00	1.71E-08	3.23E-09	2.05E-08	3.16E-09	2.87E-09	4.68E-08	4.84E-08	1.78E-08	2.42E-08	9.04E-09	4.84E-08	1.78E-08
5336	481863.1	3866377	1.55E-04	1.59E-04	1.50E-04	5.36E-08	1.62E-07	9.38E-08	9.60E-08	8.71E-08	3.97E-08	3.75E-08	0.00E+00	0.00E+00	1.73E-08	3.26E-09	2.07E-08	3.19E-09	2.90E-09	4.73E-08	4.89E-08	1.79E-08	2.44E-08	9.12E-09	4.89E-08	1.79E-08
5337	482363.1	3866377	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	0.00E+00	0.00E+00	1.74E-08	3.29E-09	2.09E-08	3.22E-09	2.93E-09	4.77E-08	4.94E-08	1.81E-08	2.46E-08	9.21E-09	4.94E-08	1.81E-08
5338	482863.1	3866377	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	0.00E+00	0.00E+00	1.76E-08	3.32E-09	2.11E-08	3.25E-09	2.96E-09	4.82E-08	4.98E-08	1.83E-08	2.49E-08	9.30E-09	4.98E-08	1.83E-08
5339	483363.1	3866377	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	0.00E+00	0.00E+00	1.77E-08	3.35E-09	2.13E-08	3.28E-09	2.98E-09	4.86E-08	5.03E-08	1.85E-08	2.51E-08	9.38E-09	5.03E-08	1.85E-08
5340	483863.1	3866377	1.62E-04	1.66E-04	1.57E-04	5.62E-08	1.70E-07	9.82E-08	1.01E-07	9.12E-08	4.16E-08	3.93E-08	0.00E+00	0.00E+00	1.81E-08	3.41E-09	2.17E-08	3.34E-09	3.04E-09	4.95E-08	5.12E-08	1.88E-08	2.56E-08	9.56E-09	5.12E-08	1.88E-08
5341	484363.1	3866377	1.62E-04	1.66E-04	1.57E-04	5.62E-08	1.70E-07	9.82E-08	1.01E-07	9.12E-08	4.16E-08	3.93E-08	0.00E+00	0.00E+00	1.81E-08	3.41E-09	2.17E-08	3.34E-09	3.04E-09	4.95E-08	5.12E-08	1.88E-08	2.56E-08	9.56E-09	5.12E-08	1.88E-08
5342	484863.1	3866377	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	0.00E+00	0.00E+00	1.84E-08	3.48E-09	2.21E-08	3.40E-09	3.09E-09	5.04E-08	5.22E-08	1.91E-08	2.60E-08	9.73E-09	5.22E-08	1.91E-08
5343	485363.1	3866377	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.51E-09	2.23E-08	3.43E-09	3.12E-09	5.09E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
5344	485863.1	3866377	1.70E-04	1.74E-04	1.64E-04	5.88E-08	1.77E-07	1.03E-07	1.05E-07	9.53E-08	4.35E-08	4.10E-08	0.00E+00	0.00E+00	1.89E-08	3.57E-09	2.27E-08	3.49E-09	3.18E-09	5.18E-08	5.36E-08	1.96E-08	2.67E-08	9.99E-09	5.36E-08	1.96E-08
5345	486363.1	3866377	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	0.00E+00	0.00E+00	1.92E-08	3.63E-09	2.30E-08	3.55E-09	3.23E-09	5.27E-08	5.45E-08	2.00E-08	2.72E-08	1.02E-08	5.45E-08	2.00E-08
5346	486863.1	3866377	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
5347	487363.1	3866377	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	0.00E+00	0.00E+00	1.99E-08	3.76E-09	2.38E-08	3.68E-09	3.34E-09	5.45E-08	5.64E-08	2.07E-08	2.81E-08	1.05E-08	5.64E-08	2.07E-08
5348	487863.1	3866377	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	0.00E+00	0.00E+00	1.99E-08	3.76E-09	2.38E-08	3.68E-09	3.34E-09	5.45E-08	5.64E-08	2.07E-08	2.81E-08	1.05E-08	5.64E-08	2.07E-08
5349	488363.1	3866377	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
5350	488863.1	3866377	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.69E-09	2.34E-08	3.62E-09	3.29E-09	5.36E-08	5.54E-08	2.03E-08	2.77E-08	1.03E-08	5.54E-08	2.03E-08
5351	489363.1	3866377	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	0.00E+00	0.00E+00	1.91E-08	3.60E-09	2.29E-08	3.52E-09	3.21E-09	5.22E-08	5.40E-08	1.98E-08	2.70E-08	1.01E-08	5.40E-08	1.98E-08
5352	489863.1	3866377	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	0.00E+00	0.00E+00	1.82E-08	3.45E-09	2.19E-08	3.37E-09	3.07E-09	5.00E-08	5.17E-08	1.90E-08	2.58E-08	9.64E-09	5.17E-08	1.90E-08
5353	490363.1	3866377	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	0.00E+00	0.00E+00	2.05E-08	3.88E-09	2.46E-08	3.80E-09	3.45E-09	5.63E-08	5.82E-08	2.14E-08	2.91E-08	1.09E-08	5.82E-08	2.14E-08
5354	490863.1	3866377	1.89E-04	1.93E-04	1.83E-04	6.54E-08	1.97E-07	1.14E-07	1.17E-07	1.06E-07	4.84E-08	4.57E-08	0.00E+00	0.00E+00	2.10E-08	3.97E-09	2.52E-08	3.89E-09	3.54E-09	5.76E-08	5.96E-08	2.19E-08	2.98E-08	1.11E-08	5.96E-08	2.19E-08
5355	491363.1	3866377	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.82E-09	2.42E-08	3.74E-09	3.40E-09	5.54E-08	5.73E-08	2.10E-08	2.86E-08	1.07E-08	5.73E-08	2.10E-08
5356	491863.1	3866377	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	0.00E+00	0.00E+00	1.68E-08	3.17E-09	2.01E-08	3.10E-09	2.82E-09	4.59E-08	4.75E-08	1.74E-08	2.37E-08	8.86E-09	4.75E-08	1.74E-08
5357	492363.1	3866377	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	0.00E+00	0.00E+00	1.69E-08	3.20E-09	2.03E-08	3.13E-09	2.85E-09	4.64E-08	4.80E-08	1.76E-08	2.39E-08	8.95E-09	4.80E-08	1.76E-08
5358	492863.1	3866377	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	0.00E+00	0.00E+00	1.54E-08	2.92E-09	1.85E-08	2.86E-09	2.60E-09	4.23E-08	4.38E-08	1.61E-08	2.19E-08	8.17E-09	4.38E-08	1.61E-08
5359	493363.1	3866377	1.37E-04	1.41E-04	1.33E-04	4.75E-08	1.43E-07	8.30E-08	8.51E-08	7.71E-08	3.52E-08	3.32E-08	0.00E+00	0.00E+00	1.53E-08	2.89E-09	1.83E-08	2.83E-09	2.57E-09	4.19E-08	4.33E-08	1.59E-08	2.16E-08	8.08E-09	4.33E-08	1.59E-08
5360	493863.1	3866377	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	0.00E+00	0.00E+00	1.54E-08	2.92E-09	1.85E-08	2.86E-09	2.60E-09	4.23E-08	4.38E-08	1.61E-08	2.19E-08	8.17E-09	4.38E-08	1.61E-08
5361	494363.1	3866377	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	0.00E+00	0.00E+00	1.63E-08	3.07E-09	1.95E-08	3.01E-09	2.74E-09	4.46E-08	4.61E-08	1.69E-08	2.30E-08	8.60E-09	4.61E-08	1.69E-08
5362	494863.1	3866377	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	0.00E+00	0.00E+00	1.61E-08	3.04E-09	1.93E-08	2.98E-09	2.71E-09	4.41E-08	4.56E-08	1.67E-08	2.28E-08	8.51E-09	4.56E-08	1.67E-08
5363	495363.1	3866377	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.98E-09	1.89E-08	2.92E-09	2.65E-09	4.32E-08	4.47E-08	1.64E-08	2.23E-08	8.34E-09	4.47E-08	1.64E-08
5364	495863.1	3866377	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.98E-09	1.89E-08	2.92E-09	2.65E-09	4.32E-08	4.47E-08	1.64E-08	2.23E-08	8.34E-09	4.47E-08	1.64E-08
5365	496363.1	3866377	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	0.00E+00	0.00E+00	1.59E-08	3.01E-09	1.91E-08	2.95E-09	2.68E-09	4.37E-08	4.52E-08	1.66E-08	2.26E-08	8.43E-09	4.52E-08	1.66E-08
5366	496863.1	3866377	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	0.00E+00	0.00E+00	1.54E-08	2.92E-09	1.85E-08	2.86E-09	2.60E-09	4.23E-08	4.38E-08	1.61E-08	2.19E-08	8.17E-09	4.38E-08	1.61E-08
5367	497363.1	3866377	1.37E-04	1.41E-04	1.33E-04	4.75E-08	1.43E-07	8.30E-08	8.51E-08	7.71E-08	3.52E-08	3.32E-08	0.00E+00	0.00E+00	1.53E-08	2.89E-09	1.83E-08	2.83E-09	2.57E-09	4.19E-08	4.33E-08	1.59E-08	2.16E-08	8.08E-09	4.33E-08	1.59E-08
5368	497863.1	3866377	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	0.00E+00	0.00E+00	1.54E-08	2.92E-09	1.85E-08	2.86E-09	2.60E-09	4.23E-08	4.38E-08	1.61E-08	2.19E-08	8.17E-09	4.38E-08	1.61E-08
5369	498363.1	3866377	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	0.00E+00	0.00E+00	1.43E-08	2.70E-09	1.71E-08	2.64E-09	2.40E-09	3.92E-08	4.05E-08	1.49E-08	2.02E-08	7.56E-09	4.05E-08	1.49E-08
5370	474494.9	3848334	5.05E-02	5.18E-02	4.88E-02	1.75E-05	5.28E-05	3.06E-05	3.13E-05	2.84E-05	1.30E-05	1.22E-05	0.00E+00	0.00E+00	5.62E-06	1.06E-06	6.74E-06	1.04E-06	9.46E-07	1.54E-05	1.59E-05	5.85E-06	7.96E-06	2.97E-06	1.59E-05	5.85E-06
5371	475167.3	3848921	5.97E-02	6.12E-02	5.77E-02	2.07E-05	6.24E-05	3.61E-05	3.70E-05	3.36E-05	1.53E-05	1.44E-05	0.00E+00	0.00E+00	6.65E-06	1.26E-06	7.97E-06	1.23E-06	1.12E-06	1.82E-05	1.89E-05	6.92E-06	9.41E-06	3.52E-06	1.89E-05	6.92E-06
5372	475297.9	3848998	4.63E-02	4.74E-02	4.48E-02	1.60E-05	4.84E-05	2.80E-05	2.87E-05	2.60E-05	1.19E-05	1.12E-05	0.00E+00	0.00E+00	5.16E-06	9.74E-07	6.18E-06	9.54E-07	8.67E-07	1.41E-05	1.46E-05	5.36E-06	7.30E-06	2.73E-06	1.46E-05	5.36E-06
5373	475439.1	3849062	5.39E-02	5.52E-02	5.20E-02	1.86E-05	5.63E-05	3.26E-05	3.34E-05	3.03E-05	1.38E-05	1.30E-05	0.00E+00	0.00E+00	6.00E-06	1.13E-06	7.19E-06	1.11E-06	1.01E-06	1.64E-05	1.70E-05	6.23E-06	8.48E-06	3.17E-06	1.70E-05	6.23E-06
5374	475486.9	3849061	3.98E-02	4.07E-02	3.84E-02	1.38E-05	4.16E-05	2.41E-05	2.46E-05	2.23E-05	1.02E-05	9.61E-06	0.00E+00	0.00E+00	4.43E-06	8.36E-07	5.31E-06	8.18E-07	7.44E-07	1.21E-05	1.25E-05	4.60E-06	6.26E-06	2.34E-06	1.25E-05	4.60E-06
5375	475538.5	3849076	4.04E-02	4.13E-02	3.90E-02	1.40E-05	4.22E-05	2.44E-05	2.50E-05	2.27E-05	1.03E-05	9.76E-06	0.00E+00	0.00E+00	4.49E-06	8.49E-07	5.39E-06	8.31E-07	7.55E-07	1.23E-05	1.27E-05	4.67E-06	6.36E-06	2.38E-06	1.27E-05	4.67E-06
5376	475751.8	3849137	5.92E-02	6.07E-02	5.72E-02	2.05E-05	6.19E-05	3.58E-05	3.67E-05	3.33E-05	1.52E-05	1.43E-05	0.00E+00	0.00E+00	6.59E-06	1.25E-06	7.90E-06	1.22E-06	1.11E-06	1.81E-05	1.87E-05	6.86E-06	9.33E-06	3.49E-06	1.87E-05	6.86E-06
5377	476303.6	3849223	5.40E-02	5.53E-02	5.22E-02	1.87E-05	5.64E-05	3.27E-05	3.35E-05	3.03E-05	1.38E-05	1.31E-05	0.00E+00	0.00E+00	6.01E-06	1.14E-06	7.21E-06	1.11E-06	1.01E-06	1.65E-05	1.70E-05	6.25E-06	8.51E-06	3.18E-06	1.70E-05	6.25E-06
5378	476304.5	3849239	7.49E-02	7.68E-02	7.24E-02	2.59E-05	7.83E-05	4.53E-05	4.64E-05	4.21E-05	1.92E-05	1.81E-05	0.00E+00	0.00E+00	8.34E-06	1.58E-06	1.00E-05	1.54E-06	1.40E-06	2.29E-05	2.37E-05	8.67E-06	1.18E-05	4.41E-06	2.37E-05	8.67E-06
5379	476365	3849248	6.68E-02	6.84E-02	6.46E-02	2.31E-05	6.98E-05	4.04E-05	4.14E-05	3.75E-05	1.71E-05	1.62E-05	0.00E+00	0.00E+00	7.44E-06	1.41E-06	8.92E-06	1.38E-06	1.25E-06	2.04E-05	2.11E-05	7.73E-06	1.05E-05	3.93E-06	2.11E-05	7.73E-06
5380	476444.9	3849267	6.70E-02	6.86E-02	6.47E-02	2.32E-05	7.00E-05	4.05E-05	4.15E-05	3.76E-05	1.72E-05	1.62E-05	0.00E+00	0.00E+00	7.46E-06	1.41E-06	8.94E-06	1.38E-06	1.25E-06	2.04E-05	2.11E-05	7.76E-06	1.06E-05	3.94E-06	2.11E-05	7.76E-06
5381	476550.8	3849301	7.97E-02	8.16E-02	7.70E-02	2.76E-05	8.33E-05	4.82E-05	4.94E-05	4.48E-05	2.04E-05	1.93E-05	0.00E+00	0.00E+00	8.87E-06	1.68E-06	1.06E-05	1.64E-06	1.49E-06	2.43E-05	2.51E-05	9.22E-06	1.26E-05	4.69E-06	2.51E-05	9.22E-06
5382	476656.7	3849347	6.89E-02	7.05E-02	6.65E-02	2.38E-05	7.20E-05	4.17E-05	4.27E-05	3.87E-05	1.77E-05	1.67E-05	0.00E+00	0.00E+00	7.67E-06	1.45E-06	9.19E-06	1.42E-06	1.29E-06	2.10E-05	2.17E-05	7.97E-06	1.09E-05	4.05E-06	2.17E-05	7.97E-06
5383	476873.6	3849455	6.89E-02	7.06E-02	6.66E-02	2.39E-05	7.20E-05	4.17E-05	4.27E-05	3.87E-05	1.77E-05	1.67E-05	0.00E+00	0.00E+00	7.67E-06	1.45E-06	9.20E-06	1.42E-06	1.29E-06	2.10E-05	2.17E-05	7.98E-06	1.09E-05	4.06E-06	2.17E-05	7.98E-06
5384	477700	3849860	6.80E-02	6.97E-02	6.57E-02	2.35E-05	7.11E-05	4.12E-05	4.21E-05	3.82E-05	1.74E-05	1.64E-05	0.00E+00	0.00E+00	7.57E-06	1.43E-06	9.08E-06	1.40E-06	1.27E-06	2.08E-05	2.15E-05	7.87E-06	1.07E-05	4.00E-06	2.15E-05	7.87E-06
5385	477743.2	3849856	4.82E-02	4.94E-02	4.66E-02	1.67E-05	5.04E-05	2.92E-05	2.99E-05	2.71E-05	1.24E-05	1.17E-05	0.00E+00	0.00E+00	5.37E-06	1.01E-06	6.44E-06	9.93E-07	9.03E-07	1.47E-05	1.52E-05	5.58E-06	7.60E-06	2.84E-06	1.52E-05	5.58E-06
5386	478477.4	3850216	5.05E-02	5.17E-02	4.88E-02	1.75E-05	5.27E-05	3.05E-05	3.13E-05	2.83E-05	1.29E-05	1.22E-05	0.00E+00	0.00E+00	5.62E-06	1.06E-06	6.74E-06	1.04E-06	9.45E-07	1.54E-05	1.59E-05	5.84E-06	7.95E-06	2.97E-06	1.59E-05	5.84E-06
5387	478485.8	3850202	3.88E-02	3.98E-02	3.75E-02	1.34E-05	4.06E-05	2.35E-05	2.41E-05	2.18E-05	9.95E-06	9.39E-06	0.00E+00	0.00E+00	4.32E-06	8.17E-07	5.18E-06	7.99E-07	7.27E-07	1.18E-05	1.23E-05	4.49E-06	6.11E-06	2.29E-06	1.23E-05	4.49E-06
5388	479113.2	3850502	3.58E-02	3.66E-02	3.46E-02	1.24E-05	3.74E-05	2.16E-05	2.22E-05	2.01E-05	9.17E-06	8.65E-06	0.00E+00	0.00E+00	3.98E-06	7.52E-07	4.77E-06	7.36E-07	6.70E-07	1.09E-05	1.13E-05	4.14E-06	5.64E-06	2.11E-06	1.13E-05	4.14E-06
5389	479108.1	3850382	1.43E-02	1.47E-02	1.38E-02	4.96E-06	1.50E-05	8.67E-06	8.88E-06	8.05E-06	3.67E-06	3.47E-06	0.00E+00	0.00E+00	1.60E-06	3.02E-07	1.91E-06	2.95E-07	2.68E-07	4.37E-06	4.52E-06	1.66E-06	2.26E-06	8.44E-07	4.52E-06	1.66E-06
5390	479689.9	3850674	1.49E-02	1.53E-02	1.44E-02	5.17E-06	1.56E-05	9.03E-06	9.25E-06	8.38E-06	3.82E-06	3.61E-06	0.00E+00	0.00E+00	1.66E-06	3.14E-07	1.99E-06	3.07E-07	2.79E-07	4.55E-06	4.71E-06	1.73E-06	2.35E-06	8.78E-07	4.71E-06	1.73E-06
5391	479952.4	3850774	1.29E-02	1.32E-02	1.25E-02	4.47E-06	1.35E-05	7.82E-06	8.01E-06	7.26E-06	3.31E-06	3.12E-06	0.00E+00	0.00E+00	1.44E-06	2.72E-07	1.72E-06	2.66E-07	2.42E-07	3.94E-06	4.08E-06	1.50E-06	2.04E-06	7.61E-07	4.08E-06	1.50E-06
5392	479911.3	3850885	3.37E-02	3.45E-02	3.25E-02	1.17E-05	3.52E-05	2.04E-05	2.09E-05	1.89E-05	8.63E-06	8.14E-06	0.00E+00	0.00E+00	3.75E-06	7.08E-07	4.49E-06	6.93E-07	6.30E-07	1.03E-05	1.06E-05	3.90E-06	5.30E-06	1.98E-06	1.06E-05	3.90E-06
5393	480500.9	3851178	3.45E-02	3.54E-02	3.34E-02	1.20E-05	3.61E-05	2.09E-05	2.14E-05	1.94E-05	8.85E-06	8.35E-06	0.00E+00	0.00E+00	3.84E-06	7.27E-07	4.61E-06	7.11E-07	6.47E-07	1.05E-05	1.09E-05	4.00E-06	5.44E-06	2.03E-06	1.09E-05	4.00E-06
5394	480738	3851289	3.24E-02	3.32E-02	3.13E-02	1.12E-05	3.39E-05	1.96E-05	2.01E-05	1.82E-05	8.30E-06	7.83E-06	0.00E+00	0.00E+00	3.61E-06	6.81E-07	4.32E-06	6.67E-07	6.06E-07	9.88E-06	1.02E-05	3.75E-06	5.10E-06	1.91E-06	1.02E-05	3.75E-06
5395	481055.4	3851444	3.13E-02	3.21E-02	3.02E-02	1.08E-05	3.27E-05	1.89E-05	1.94E-05	1.76E-05	8.02E-06	7.57E-06	0.00E+00	0.00E+00	3.48E-06	6.58E-07	4.18E-06	6.44E-07	5.86E-07	9.55E-06	9.88E-06	3.62E-06	4.93E-06	1.84E-06	9.88E-06	3.62E-06

5396	481110.2	3851443	2.37E-02	2.42E-02	2.29E-02	8.20E-06	2.47E-05	1.43E-05	1.47E-05	1.33E-05	6.07E-06	5.72E-06	0.00E+00	0.00E+00	2.64E-06	4.98E-07	3.16E-06	4.87E-07	4.43E-07	7.22E-06	7.47E-06	2.74E-06	3.73E-06	1.39E-06	7.47E-06	2.74E-06
5397	481111.1	3851417	1.92E-02	1.97E-02	1.86E-02	6.66E-06	2.01E-05	1.16E-05	1.19E-05	1.08E-05	4.93E-06	4.65E-06	0.00E+00	0.00E+00	2.14E-06	4.05E-07	2.57E-06	3.96E-07	3.60E-07	5.87E-06	6.07E-06	2.23E-06	3.03E-06	1.13E-06	6.07E-06	2.23E-06
5398	482248.4	3852605	3.64E-02	3.72E-02	3.51E-02	1.26E-05	3.80E-05	2.20E-05	2.25E-05	2.04E-05	9.32E-06	8.79E-06	0.00E+00	0.00E+00	4.05E-06	7.65E-07	4.85E-06	7.48E-07	6.81E-07	1.11E-05	1.15E-05	4.21E-06	5.73E-06	2.14E-06	1.15E-05	4.21E-06
5399	482273.3	3852632	3.71E-02	3.80E-02	3.59E-02	1.29E-05	3.88E-05	2.25E-05	2.30E-05	2.09E-05	9.52E-06	8.98E-06	0.00E+00	0.00E+00	4.13E-06	7.81E-07	4.96E-06	7.64E-07	6.95E-07	1.13E-05	1.17E-05	4.30E-06	5.85E-06	2.19E-06	1.17E-05	4.30E-06
5400	482665.5	3853039	2.94E-02	3.01E-02	2.84E-02	1.02E-05	3.07E-05	1.78E-05	1.82E-05	1.65E-05	7.53E-06	7.11E-06	0.00E+00	0.00E+00	3.27E-06	6.18E-07	3.92E-06	6.05E-07	5.50E-07	8.97E-06	9.27E-06	3.40E-06	4.63E-06	1.73E-06	9.27E-06	3.40E-06
5401	483078	3853844	9.18E-03	9.40E-03	8.86E-03	3.18E-06	9.59E-06	5.55E-06	5.69E-06	5.15E-06	2.35E-06	2.22E-06	0.00E+00	0.00E+00	1.02E-06	1.93E-07	1.22E-06	1.89E-07	1.72E-07	2.80E-06	2.90E-06	1.06E-06	1.45E-06	5.40E-07	2.90E-06	1.06E-06
5402	483121.4	3853909	8.04E-03	8.23E-03	7.76E-03	2.78E-06	8.40E-06	4.86E-06	4.98E-06	4.51E-06	2.06E-06	1.94E-06	0.00E+00	0.00E+00	8.95E-07	1.69E-07	1.07E-06	1.65E-07	1.50E-07	2.45E-06	2.54E-06	9.30E-07	1.27E-06	4.73E-07	2.54E-06	9.30E-07
5403	483492.6	3853911	3.70E-03	3.79E-03	3.57E-03	1.28E-06	3.87E-06	2.24E-06	2.29E-06	2.08E-06	9.48E-07	8.94E-07	0.00E+00	0.00E+00	4.12E-07	7.78E-08	4.94E-07	7.61E-08	6.92E-08	1.13E-06	1.17E-06	4.28E-07	5.83E-07	2.18E-07	1.17E-06	4.28E-07
5404	483498.3	3854205	3.87E-03	3.96E-03	3.74E-03	1.34E-06	4.04E-06	2.34E-06	2.40E-06	2.17E-06	9.92E-07	9.35E-07	0.00E+00	0.00E+00	4.31E-07	8.14E-08	5.16E-07	7.96E-08	7.24E-08	1.18E-06	1.22E-06	4.48E-07	6.09E-07	2.28E-07	1.22E-06	4.48E-07
5405	484132.4	3854663	2.12E-03	2.17E-03	2.04E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.43E-07	5.12E-07	0.00E+00	0.00E+00	2.36E-07	4.45E-08	2.82E-07	4.36E-08	3.96E-08	6.46E-07	6.68E-07	2.45E-07	3.33E-07	1.25E-07	6.68E-07	2.45E-07
5406	484627.6	3854876	1.92E-03	1.97E-03	1.86E-03	6.65E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.92E-07	4.64E-07	0.00E+00	0.00E+00	2.14E-07	4.04E-08	2.56E-07	3.95E-08	3.59E-08	5.86E-07	6.06E-07	2.22E-07	3.02E-07	1.13E-07	6.06E-07	2.22E-07
5407	484756.1	3854949	1.93E-03	1.97E-03	1.86E-03	6.67E-07	2.01E-06	1.17E-06	1.19E-06	1.08E-06	4.94E-07	4.66E-07	0.00E+00	0.00E+00	2.15E-07	4.05E-08	2.57E-07	3.97E-08	3.61E-08	5.88E-07	6.08E-07	2.23E-07	3.04E-07	1.13E-07	6.08E-07	2.23E-07
5408	486697.5	3856599	2.28E-03	2.34E-03	2.21E-03	7.91E-07	2.39E-06	1.38E-06	1.42E-06	1.28E-06	5.86E-07	5.52E-07	0.00E+00	0.00E+00	2.54E-07	4.81E-08	3.05E-07	4.70E-08	4.28E-08	6.97E-07	7.21E-07	2.64E-07	3.60E-07	1.34E-07	7.21E-07	2.64E-07
5409	487105.3	3856962	2.56E-03	2.62E-03	2.48E-03	8.87E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.57E-07	6.19E-07	0.00E+00	0.00E+00	2.85E-07	5.39E-08	3.42E-07	5.27E-08	4.80E-08	7.82E-07	8.09E-07	2.97E-07	4.04E-07	1.51E-07	8.09E-07	2.97E-07
5410	487157.6	3856902	2.40E-03	2.45E-03	2.32E-03	8.30E-07	2.51E-06	1.45E-06	1.49E-06	1.35E-06	6.14E-07	5.80E-07	0.00E+00	0.00E+00	2.67E-07	5.04E-08	3.20E-07	4.93E-08	4.49E-08	7.31E-07	7.56E-07	2.77E-07	3.78E-07	1.41E-07	7.56E-07	2.77E-07
5411	487173.5	3856854	2.31E-03	2.36E-03	2.23E-03	7.98E-07	2.41E-06	1.39E-06	1.43E-06	1.30E-06	5.91E-07	5.57E-07	0.00E+00	0.00E+00	2.57E-07	4.85E-08	3.08E-07	4.75E-08	4.32E-08	7.03E-07	7.28E-07	2.67E-07	3.63E-07	1.36E-07	7.28E-07	2.67E-07
5412	487564.4	3856861	2.04E-03	2.08E-03	1.97E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.22E-07	4.92E-07	0.00E+00	0.00E+00	2.27E-07	4.28E-08	2.72E-07	4.19E-08	3.81E-08	6.21E-07	6.42E-07	2.36E-07	3.21E-07	1.20E-07	6.42E-07	2.36E-07
5413	487563.3	3856932	2.13E-03	2.18E-03	2.06E-03	7.37E-07	2.22E-06	1.29E-06	1.32E-06	1.20E-06	5.46E-07	5.15E-07	0.00E+00	0.00E+00	2.37E-07	4.48E-08	2.84E-07	4.38E-08	3.98E-08	6.49E-07	6.72E-07	2.46E-07	3.35E-07	1.25E-07	6.72E-07	2.46E-07
5414	487782.7	3856927	1.99E-03	2.04E-03	1.93E-03	6.90E-07	2.08E-06	1.21E-06	1.24E-06	1.12E-06	5.11E-07	4.82E-07	0.00E+00	0.00E+00	2.22E-07	4.19E-08	2.66E-07	4.10E-08	3.73E-08	6.08E-07	6.29E-07	2.31E-07	3.14E-07	1.17E-07	6.29E-07	2.31E-07
5415	487782.4	3856757	1.82E-03	1.86E-03	1.76E-03	6.29E-07	1.90E-06	1.10E-06	1.13E-06	1.02E-06	4.66E-07	4.39E-07	0.00E+00	0.00E+00	2.02E-07	3.82E-08	2.43E-07	3.74E-08	3.40E-08	5.54E-07	5.73E-07	2.10E-07	2.86E-07	1.07E-07	5.73E-07	2.10E-07
5416	487917.3	3856752	1.77E-03	1.81E-03	1.71E-03	6.11E-07	1.84E-06	1.07E-06	1.09E-06	9.92E-07	4.52E-07	4.27E-07	0.00E+00	0.00E+00	1.96E-07	3.71E-08	2.36E-07	3.63E-08	3.30E-08	5.39E-07	5.57E-07	2.04E-07	2.78E-07	1.04E-07	5.57E-07	2.04E-07
5417	487919.6	3856953	1.96E-03	2.00E-03	1.89E-03	6.77E-07	2.05E-06	1.18E-06	1.21E-06	1.10E-06	5.02E-07	4.73E-07	0.00E+00	0.00E+00	2.18E-07	4.12E-08	2.61E-07	4.03E-08	3.66E-08	5.97E-07	6.18E-07	2.27E-07	3.08E-07	1.15E-07	6.18E-07	2.27E-07
5418	487932.8	3857000	1.99E-03	2.04E-03	1.93E-03	6.90E-07	2.08E-06	1.21E-06	1.24E-06	1.12E-06	5.11E-07	4.82E-07	0.00E+00	0.00E+00	2.22E-07	4.19E-08	2.66E-07	4.10E-08	3.73E-08	6.08E-07	6.29E-07	2.31E-07	3.14E-07	1.17E-07	6.29E-07	2.31E-07
5419	487960.5	3857045	2.03E-03	2.08E-03	1.96E-03	7.01E-07	2.12E-06	1.23E-06	1.26E-06	1.14E-06	5.19E-07	4.90E-07	0.00E+00	0.00E+00	2.26E-07	4.26E-08	2.70E-07	4.17E-08	3.79E-08	6.18E-07	6.40E-07	2.35E-07	3.19E-07	1.19E-07	6.40E-07	2.35E-07
5420	488016.5	3857090	2.04E-03	2.09E-03	1.97E-03	7.08E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.24E-07	4.94E-07	0.00E+00	0.00E+00	2.28E-07	4.30E-08	2.73E-07	4.21E-08	3.83E-08	6.24E-07	6.45E-07	2.37E-07	3.22E-07	1.20E-07	6.45E-07	2.37E-07
5421	488114.4	3857165	2.08E-03	2.13E-03	2.01E-03	7.21E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.34E-07	5.04E-07	0.00E+00	0.00E+00	2.32E-07	4.38E-08	2.78E-07	4.29E-08	3.90E-08	6.36E-07	6.58E-07	2.41E-07	3.28E-07	1.23E-07	6.58E-07	2.41E-07
5422	488171.5	3857234	2.15E-03	2.20E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.19E-07	0.00E+00	0.00E+00	2.39E-07	4.52E-08	2.87E-07	4.42E-08	4.02E-08	6.55E-07	6.78E-07	2.49E-07	3.38E-07	1.26E-07	6.78E-07	2.49E-07
5423	488193.2	3857298	2.24E-03	2.29E-03	2.16E-03	7.75E-07	2.34E-06	1.35E-06	1.39E-06	1.26E-06	5.74E-07	5.41E-07	0.00E+00	0.00E+00	2.49E-07	4.71E-08	2.99E-07	4.61E-08	4.19E-08	6.83E-07	7.06E-07	2.59E-07	3.52E-07	1.32E-07	7.06E-07	2.59E-07
5424	488189.3	3857650	3.01E-03	3.09E-03	2.91E-03	1.04E-06	3.15E-06	1.82E-06	1.87E-06	1.69E-06	7.72E-07	7.28E-07	0.00E+00	0.00E+00	3.35E-07	6.34E-08	4.02E-07	6.20E-08	5.64E-08	9.19E-07	9.51E-07	3.49E-07	4.75E-07	1.77E-07	9.51E-07	3.49E-07
5425	488127.4	3857732	3.35E-03	3.44E-03	3.24E-03	1.16E-06	3.51E-06	2.03E-06	2.08E-06	1.88E-06	8.60E-07	8.11E-07	0.00E+00	0.00E+00	3.73E-07	7.06E-08	4.48E-07	6.91E-08	6.28E-08	1.02E-06	1.06E-06	3.88E-07	5.28E-07	1.97E-07	1.06E-06	3.88E-07
5426	488149.9	3857753	3.39E-03	3.47E-03	3.27E-03	1.17E-06	3.54E-06	2.05E-06	2.10E-06	1.90E-06	8.68E-07	8.19E-07	0.00E+00	0.00E+00	3.77E-07	7.12E-08	4.52E-07	6.97E-08	6.34E-08	1.03E-06	1.07E-06	3.92E-07	5.33E-07	1.99E-07	1.07E-06	3.92E-07
5427	488144.8	3857759	3.41E-03	3.49E-03	3.30E-03	1.18E-06	3.57E-06	2.06E-06	2.11E-06	1.92E-06	8.75E-07	8.25E-07	0.00E+00	0.00E+00	3.80E-07	7.18E-08	4.55E-07	7.02E-08	6.39E-08	1.04E-06	1.08E-06	3.95E-07	5.38E-07	2.01E-07	1.08E-06	3.95E-07
5428	488335.6	3857933	3.83E-03	3.92E-03	3.70E-03	1.33E-06	4.00E-06	2.32E-06	2.37E-06	2.15E-06	9.82E-07	9.26E-07	0.00E+00	0.00E+00	4.26E-07	8.06E-08	5.11E-07	7.88E-08	7.17E-08	1.17E-06	1.21E-06	4.43E-07	6.03E-07	2.25E-07	1.21E-06	4.43E-07
5429	488372.3	3857944	3.81E-03	3.90E-03	3.68E-03	1.32E-06	3.98E-06	2.30E-06	2.36E-06	2.14E-06	9.76E-07	9.20E-07	0.00E+00	0.00E+00	4.24E-07	8.01E-08	5.08E-07	7.83E-08	7.13E-08	1.16E-06	1.20E-06	4.41E-07	6.00E-07	2.24E-07	1.20E-06	4.41E-07
5430	488828.6	3857936	2.99E-03	3.06E-03	2.89E-03	1.03E-06	3.12E-06	1.81E-06	1.85E-06	1.68E-06	7.66E-07	7.22E-07	0.00E+00	0.00E+00	3.33E-07	6.28E-08	3.99E-07	6.15E-08	5.59E-08	9.11E-07	9.43E-07	3.46E-07	4.71E-07	1.76E-07	9.43E-07	3.46E-07
5431	488829.1	3857960	3.05E-03	3.12E-03	2.95E-03	1.06E-06	3.19E-06	1.85E-06	1.89E-06	1.71E-06	7.82E-07	7.38E-07	0.00E+00	0.00E+00	3.40E-07	6.42E-08	4.07E-07	6.28E-08	5.71E-08	9.31E-07	9.63E-07	3.53E-07	4.81E-07	1.80E-07	9.63E-07	3.53E-07
5432	488351.6	3857965	3.96E-03	4.05E-03	3.82E-03	1.37E-06	4.14E-06	2.40E-06	2.45E-06	2.22E-06	1.01E-06	9.57E-07	0.00E+00	0.00E+00	4.41E-07	8.33E-08	5.28E-07	8.15E-08	7.41E-08	1.21E-06	1.25E-06	4.58E-07	6.24E-07	2.33E-07	1.25E-06	4.58E-07
5433	488316.9	3857948	3.95E-03	4.04E-03	3.81E-03	1.37E-06	4.13E-06	2.39E-06	2.45E-06	2.22E-06	1.01E-06	9.55E-07	0.00E+00	0.00E+00	4.39E-07	8.30E-08	5.27E-07	8.13E-08	7.39E-08	1.20E-06	1.25E-06	4.57E-07	6.22E-07	2.32E-07	1.25E-06	4.57E-07
5434	488129.1	3857776	3.50E-03	3.59E-03	3.38E-03	1.21E-06	3.66E-06	2.12E-06	2.17E-06	1.97E-06	8.98E-07	8.47E-07	0.00E+00	0.00E+00	3.90E-07	7.37E-08	4.67E-07	7.21E-08	6.56E-08	1.07E-06	1.11E-06	4.05E-07	5.52E-07	2.06E-07	1.11E-06	4.05E-07
5435	488062.5	3857846	3.97E-03	4.07E-03	3.84E-03	1.38E-06	4.15E-06	2.40E-06	2.46E-06	2.23E-06	1.02E-06	9.61E-07	0.00E+00	0.00E+00	4.42E-07	8.36E-08	5.31E-07	8.18E-08	7.44E-08	1.21E-06	1.25E-06	4.60E-07	6.26E-07	2.34E-07	1.25E-06	4.60E-07
5436	488330.4	3858091	4.79E-03	4.91E-03	4.63E-03	1.66E-06	5.01E-06	2.90E-06	2.97E-06	2.69E-06	1.23E-06	1.16E-06	0.00E+00	0.00E+00	5.34E-07	1.01E-07	6.40E-07	9.87E-08	8.97E-08	1.46E-06	1.51E-06	5.55E-07	7.55E-07	2.82E-07	1.51E-06	5.55E-07
5437	488470.9	3858174	4.95E-03	5.07E-03	4.79E-03	1.72E-06	5.18E-06	3.00E-06	3.07E-06	2.78E-06	1.27E-06	1.20E-06	0.00E+00	0.00E+00	5.52E-07	1.04E-07	6.61E-07	1.02E-07	9.28E-08	1.51E-06	1.56E-06	5.74E-07	7.81E-07	2.92E-07	1.56E-06	5.74E-07
5438	488568.9	3858262	5.41E-03	5.54E-03	5.23E-03	1.87E-06	5.65E-06	3.27E-06	3.35E-06	3.04E-06	1.39E-06	1.31E-06	0.00E+00	0.00E+00	6.02E-07	1.14E-07	7.22E-07	1.11E-07	1.01E-07	1.65E-06	1.71E-06	6.26E-07	8.52E-07	3.18E-07	1.71E-06	6.26E-07
5439	488964.3	3858026	3.04E-03	3.12E-03	2.94E-03	1.05E-06	3.18E-06	1.84E-06	1.89E-06	1.71E-06	7.80E-07	7.35E-07	0.00E+00	0.00E+00	3.39E-07	6.40E-08	4.06E-07	6.26E-08	5.69E-08	9.28E-07	9.60E-07	3.52E-07	4.79E-07	1.79E-07	9.60E-07	3.52E-07
5440	489147.3	3857957	2.63E-03	2.69E-03	2.54E-03	9.10E-07	2.75E-06	1.59E-06	1.63E-06	1.48E-06	6.74E-07	6.36E-07	0.00E+00	0.00E+00	2.93E-07	5.53E-08	3.51E-07	5.41E-08	4.92E-08	8.02E-07	8.30E-07	3.04E-07	4.14E-07	1.55E-07	8.30E-07	3.04E-07
5441	489343.5	3857932	2.38E-03	2.44E-03	2.30E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.10E-07	5.75E-07	0.00E+00	0.00E+00	2.65E-07	5.00E-08	3.18E-07	4.90E-08	4.45E-08	7.26E-07	7.51E-07	2.75E-07	3.75E-07	1.40E-07	7.51E-07	2.75E-07
5442	489866.2	3857923	1.98E-03	2.03E-03	1.91E-03	6.86E-07	2.07E-06	1.20E-06	1.23E-06	1.11E-06	5.08E-07	4.79E-07	0.00E+00	0.00E+00	2.20E-07	4.17E-08	2.64E-07	4.08E-08	3.71E-08	6.04E-07	6.25E-07	2.29E-07	3.12E-07	1.17E-07	6.25E-07	2.29E-07
5443	489955.7	3857902	1.90E-03	1.95E-03	1.84E-03	6.58E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.87E-07	4.60E-07	0.00E+00	0.00E+00	2.12E-07	4.00E-08	2.54E-07	3.91E-08	3.56E-08	5.80E-07	6.00E-07	2.20E-07	2.99E-07	1.12E-07	6.00E-07	2.20E-07
5444	490079.4	3857848	1.80E-03	1.85E-03	1.74E-03	6.25E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.63E-07	4.36E-07	0.00E+00	0.00E+00	2.01E-07	3.80E-08	2.41E-07	3.72E-08	3.38E-08	5.51E-07	5.70E-07	2.09E-07	2.84E-07	1.06E-07	5.70E-07	2.09E-07
5445	490108.5	3857934	1.86E-03	1.91E-03	1.80E-03	6.45E-07	1.95E-06	1.13E-06	1.16E-06	1.05E-06	4.78E-07	4.51E-07	0.00E+00	0.00E+00	2.07E-07	3.92E-08	2.49E-07	3.84E-08	3.49E-08	5.69E-07	5.88E-07	2.16E-07	2.94E-07	1.10E-07	5.88E-07	2.16E-07
5446	489884.5	3858014	2.08E-03	2.13E-03	2.00E-03	7.18E-07	2.17E-06	1.26E-06	1.29E-06	1.17E-06	5.32E-07	5.02E-07	0.00E+00	0.00E+00	2.31E-07	4.36E-08	2.77E-07	4.27E-08	3.89E-08	6.33E-07	6.55E-07	2.40E-07	3.27E-07	1.22E-07	6.55E-07	2.40E-07
5447	489326.6	3858026	2.57E-03	2.63E-03	2.48E-03	8.88E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.58E-07	6.21E-07	0.00E+00	0.00E+00	2.86E-07	5.40E-08	3.43E-07	5.28E-08	4.81E-08	7.83E-07	8.10E-07	2.97E-07	4.04E-07	1.51E-07	8.10E-07	2.97E-07
5448	489130.4	3858057	2.87E-03	2.94E-03	2.77E-03	9.92E-07	3.00E-06	1.73E-06	1.78E-06	1.61E-06	7.35E-07	6.93E-07	0.00E+00	0.00E+00	3.19E-07	6.03E-08	3.83E-07	5.90E-08	5.37E-08	8.75E-07	9.05E-07	3.32E-07	4.52E-07	1.69E-07	9.05E-07	3.32E-07
5449	488936.5	3858144	3.48E-03	3.56E-03	3.36E-03	1.20E-06	3.64E-06	2.11E-06	2.16E-06	1.96E-06	8.92E-07	8.41E-07	0.00E+00	0.00E+00	3.87E-07	7.32E-08	4.65E-07	7.16E-08	6.52E-08	1.06E-06	1.10E-06	4.03E-07	5.48E-07	2.05E-07	1.10E-06	4.03E-07
5450	488638.1	3858327	5.69E-03	5.83E-03	5.50E-03	1.97E-06	5.95E-06	3.45E-06	3.53E-06	3.20E-06	1.46E-06	1.38E-06	0.00E+00	0.00E+00	6.34E-07	1.20E-07	7.60E-07	1.17E-07	1.07E-07	1.74E-06	1.80E-06	6.59E-07	8.97E-07	3.35E-07	1.80E-06	6.59E-07
5451	488663.8	3858350	5.78E-03	5.92E-03	5.58E-03	2.00E-06	6.04E-06	3.50E-06	3.58E-06	3.25E-06	1.48E-06	1.40E-06	0.00E+00	0.00E+00	6.43E-07	1.22E-07	7.71E-07	1.19E-07	1.08E-07	1.76E-06	1.82E-06	6.69E-07	9.10E-07	3.40E-07	1.82E-06	6.69E-07
5452	488694.6	3858350	5.60E-03	5.73E-03	5.41E-03	1.94E-06	5.85E-06	3.39E-06	3.47E-06	3.14E-06	1.43E-06	1.35E-06	0.00E+00	0.00E+00	6.23E-07	1.18E-07	7.47E-07	1.15E-07	1.05E-07	1.71E-06	1.77E-06	6.48E-07	8.82E-07	3.29E-07	1.77E-06	6.48E-07
5453	488694.4	3858337	5.47E-03	5.60E-03	5.28E-03	1.89E-06	5.72E-06	3.31E-06	3.39E-06	3.07E-06	1.40E-06	1.32E-06	0.00E+00	0.00E+00	6.09E-07	1.15E-07	7.30E-07	1.13E-07	1.02E-07	1.67E-06	1.73E-06	6.33E-07	8.61E-07	3.22E-07	1.73E-06	6.33E-07
5454	488712.8	3858336	5.37E-03	5.50E-03	5.18E-03	1.86E-06	5.61E-06	3.25E-06	3.33E-06	3.01E-06	1.38E-06	1.30E-06	0.00E+00	0.00E+00	5.97E-07	1.13E-07	7.16E-07	1.10E-07	1.00E-07	1.64E-06	1.69E-06	6.21E-07	8.45E-07	3.16E-07	1.69E-06	6.21E-07
5455	488713.2	3858367	5.68E-03	5.82E-03	5.49E-03	1.97E-06	5.93E-06	3.44E-06	3.52E-06	3.19E-06	1.46E-06	1.37E-06	0.00E+00	0.00E+00	6.32E-07	1.19E-07	7.58E-07	1.17E-07	1.06E-07	1.73E-06	1.79E-06	6.57E-07	8.94E-07	3.34E-07	1.79E-06	6.57E-07
5456	488704.6	3858384	5.92E-03	6.06E-03	5.72E-03	2.05E-06	6.19E-06	3.58E-06	3.67E-06	3.33E-06	1.52E-06	1.43E-06	0.00E+00	0.00E+00	6.59E-07	1.25E-07	7.90E-07	1.22E-07	1.11E-07	1.81E-06	1.87E-06	6.85E-07	9.33E-07	3.48E-07	1.87E-06	6.85E-07
5457	488604.2	3858488	8.73E-03	8.94E-03	8.43E-03	3.02E-06	9.12E-06	5.28E-06	5.41E-06	4.90E-06	2.24E-06	2.11E-06	0.00E+00	0.00E+00	9.71E-07	1.84E-07	1.16E-06	1.80E-07	1.63E-07	2.66E-06	2.75E-06	1.01E-06	1.37E-06	5.14E-07	2.75E-06	1.01E-06
5458	488605.7	3858550	1.07E-02	1.10E-02	1.04E-02	3.72E-06	1.12E-05	6.50E-06	6.66E-06	6.04E-06	2.75E-06	2.60E-06	0.00E+00	0.00E+00	1.20E-06	2.26E-07	1.43E-06	2.21E-07	2.01E-07	3.28E-06	3.39E-06	1.24E-06	1.69E-06	6.32E-07	3.39E-06	1.24E-06
5459	488692.7	3858549	9.07E-03	9.29E-03	8.76E-03	3.14E-06	9.48E-06	5.49E-06	5.62E-06	5.09E-06	2.32E-06	2.19E-06	0.00E+00	0.00E+00	1.01E-06	1.91E-07	1.21E-06	1.87E-07	1.70E-07	2.77E-06	2.86E-06	1.05E-06	1.43E-06	5.34E-07	2.86E-06	1.05E-06
5460	488759.9	3858462	6.53E-03	6.69E-03	6.31E-03	2.26E-06	6.83E-06	3.95E-06	4.05E-06	3.67E-06	1.67E-06	1.58E-06	0.00E+00	0.00E+00	7.27E-07	1.37E-07	8.72E-07	1.34E-07	1.22E-07	1.99E-06	2.06E-06	7.56E-07	1.03E-06	3.85E-07	2.06E-06	7.56E-07
5461	488816.6	3858542	7.34E-03	7.52E-03	7.09E-03	2.54E-06	7.67E-06	4.44E-06	4.55E-06	4.12E-06	1.88E-06	1.77E-06	0.00E+00	0.00E+00	8.17E-07	1.54E-07	9.79E-07	1.51E-07	1.37E-07	2.24E-06	2.32E-06	8.49E-07	1.16E-06	4.32E-07	2.32E-06	8.49E-07
5462	488944.6	3858657	8.26E-03	8.46E-03	7.98E-03	2.86E-06	8.64E-06	5.00E-06	5.12E-06	4.64E-06	2.12E-06	2.00E-06	0.00E+00	0.00E+00	9.20E-07	1.74E-07	1.10E-06	1.70E-07	1.55E-07	2.52E-06	2.61E-06	9.56E-07	1.30E-06	4.86E-07	2.61E-06	9.56E-07
5463	489134.9	3858831	1.03E-02	1.05E-02	9.95E-03	3.56E-06	1.08E-05	6.23E-06	6.38E-06	5.78E-06	2.64E-06	2.49E-06	0.00E+00	0.00E+00	1.15E-06	2.17E-07	1.37E-06	2.12E-07	1.93E-07	3.14E-06	3.25E-06	1.19E-06	1.62E-06	6.06E-07	3.25E-06	1.19E-06
5464	489194	3858886	1.12E-02	1.15E-02	1.08E-02	3.88E-06	1.17E-05	6.79E-06	6.95E-06	6.30E-06	2.88E-06	2.71E-06	0.00E+00	0.00E+00	1.25E-06	2.36E-07	1.50E-06	2.31E-07	2.10E-07	3.42E-06	3.54E-06	1.30E-06	1.77E-06	6.61E-07	3.54E-06	1.30E-06
5465	489295.2	3858954	1.18E-02	1.21E-02	1.14E-02	4.09E-06	1.24E-05	7.16E-06	7.33E-06	6.65E-06	3.03E-06	2.86E-06	0.00E+00	0.00E+00	1.32E-06	2.49E-07	1.58E-06	2.43E-07	2.21E-07	3.61E-06	3.73E-06	1.37E-06	1.86E-06	6.96E-07	3.73E-06	1.37E-06
5466	489295.6	3858993	1.41E-02	1.44E-02	1.36E-02	4.87E-06	1.47E-05	8.52E-06	8.72E-06	7.91E-06	3.61E-06	3.40E-06	0.00E+00	0.00E+00	1.57E-06	2.96E-07	1.88E-06	2.90E-07	2.63E-07	4.29E-06	4.44E-06	1.63E-06	2.22E-06	8.29E-07	4.44E-06	1.63E-06
5467	489183.7	3858912	1.28E-02	1.31E-02	1.24E-02	4.43E-06	1.34E-05	7.74E-06	7.93E-06	7.19E-06	3.28E-06	3.09E-06	0.00E+00	0.00E+00	1.42E-06	2.69E-07	1.71E-06	2.63E-07	2.40E-07	3.90E-06	4.04E-06	1.48E-06	2.02E-06	7.53E-07	4.04E-06	1.48E-06
5468	488873.4	3858626	8.45E-03	8.66E-03	8.17E-03	2.93E-06	8.84E-06	5.12E-06	5.24E-06	4.75E-06	2.17E-06	2.04E-06	0.00E+00	0.00E+00	9.41E-07	1.78E-07	1.13E-06	1.74E-07	1.58E-07	2.58E-06	2.67E-06	9.79E-07	1.33E-06	4.98E-07	2.67E-06	9.79E-07
5469	488842.8	3858659	9.92E-03	1.02E-02	9.58E-03	3.43E-06	1.04E-05	6.00E-06	6.15E-06	5.57E-06	2.54E-06	2.40E-06	0.00E+00	0.00E+00	1.10E-06	2.09E-07	1.32E-06	2.04E-07	1.86E-07	3.03E-06	3.13E-06	1.15E-06	1.56E-06	5.84E-07	3.13E-06	1.15E-06

5470	488856.4	3858671	1.01E-02	1.03E-02	9.73E-03	3.49E-06	1.05E-05	6.10E-06	6.24E-06	5.66E-06	2.58E-06	2.44E-06	0.00E+00	0.00E+00	1.12E-06	2.12E-07	1.34E-06	2.07E-07	1.89E-07	3.07E-06	3.18E-06	1.17E-06	1.59E-06	5.93E-07	3.18E-06	1.17E-06
5471	488805.7	3858725	1.42E-02	1.45E-02	1.37E-02	4.90E-06	1.48E-05	8.57E-06	8.77E-06	7.95E-06	3.63E-06	3.42E-06	0.00E+00	0.00E+00	1.58E-06	2.98E-07	1.89E-06	2.91E-07	2.65E-07	4.32E-06	4.47E-06	1.64E-06	2.23E-06	8.33E-07	4.47E-06	1.64E-06
5472	488805.9	3858804	2.35E-02	2.40E-02	2.27E-02	8.12E-06	2.45E-05	1.42E-05	1.45E-05	1.32E-05	6.01E-06	5.67E-06	0.00E+00	0.00E+00	2.61E-06	4.93E-07	3.13E-06	4.83E-07	4.39E-07	7.16E-06	7.40E-06	2.72E-06	3.70E-06	1.38E-06	7.40E-06	2.72E-06
5473	488995.8	3858937	3.03E-02	3.10E-02	2.93E-02	1.05E-05	3.17E-05	1.83E-05	1.88E-05	1.70E-05	7.76E-06	7.32E-06	0.00E+00	0.00E+00	3.37E-06	6.37E-07	4.04E-06	6.24E-07	5.67E-07	9.24E-06	9.56E-06	3.51E-06	4.77E-06	1.78E-06	9.56E-06	3.51E-06
5474	489130.8	3859017	3.23E-02	3.31E-02	3.12E-02	1.12E-05	3.37E-05	1.95E-05	2.00E-05	1.81E-05	8.28E-06	7.81E-06	0.00E+00	0.00E+00	3.59E-06	6.79E-07	4.31E-06	6.65E-07	6.05E-07	9.85E-06	1.02E-05	3.74E-06	5.09E-06	1.90E-06	1.02E-05	3.74E-06
5475	489130.9	3859052	4.98E-02	5.10E-02	4.81E-02	1.72E-05	5.20E-05	3.01E-05	3.08E-05	2.80E-05	1.28E-05	1.20E-05	0.00E+00	0.00E+00	5.54E-06	1.05E-06	6.64E-06	1.02E-06	9.32E-07	1.52E-05	1.57E-05	5.76E-06	7.84E-06	2.93E-06	1.57E-05	5.76E-06
5476	489200.3	3859091	4.97E-02	5.09E-02	4.80E-02	1.72E-05	5.19E-05	3.01E-05	3.08E-05	2.79E-05	1.27E-05	1.20E-05	0.00E+00	0.00E+00	5.53E-06	1.04E-06	6.63E-06	1.02E-06	9.30E-07	1.52E-05	1.57E-05	5.75E-06	7.82E-06	2.92E-06	1.57E-05	5.75E-06
5477	489296.1	3859144	4.95E-02	5.07E-02	4.79E-02	1.71E-05	5.18E-05	3.00E-05	3.07E-05	2.78E-05	1.27E-05	1.20E-05	0.00E+00	0.00E+00	5.51E-06	1.04E-06	6.61E-06	1.02E-06	9.27E-07	1.51E-05	1.56E-05	5.73E-06	7.80E-06	2.92E-06	1.56E-05	5.73E-06
5478	489296.4	3858955	1.18E-02	1.21E-02	1.14E-02	4.09E-06	1.23E-05	7.15E-06	7.32E-06	6.64E-06	3.03E-06	2.86E-06	0.00E+00	0.00E+00	1.32E-06	2.49E-07	1.58E-06	2.43E-07	2.21E-07	3.61E-06	3.73E-06	1.37E-06	1.86E-06	6.96E-07	3.73E-06	1.37E-06
5479	489410.3	3859033	1.26E-02	1.30E-02	1.22E-02	4.38E-06	1.32E-05	7.65E-06	7.84E-06	7.11E-06	3.24E-06	3.06E-06	0.00E+00	0.00E+00	1.41E-06	2.66E-07	1.69E-06	2.60E-07	2.37E-07	3.86E-06	3.99E-06	1.46E-06	1.99E-06	7.45E-07	3.99E-06	1.46E-06
5480	489371.4	3859090	1.94E-02	1.99E-02	1.87E-02	6.72E-06	2.03E-05	1.17E-05	1.20E-05	1.09E-05	4.97E-06	4.69E-06	0.00E+00	0.00E+00	2.16E-06	4.08E-07	2.59E-06	3.99E-07	3.63E-07	5.92E-06	6.12E-06	2.25E-06	3.06E-06	1.14E-06	6.12E-06	2.25E-06
5481	489390.5	3859103	1.97E-02	2.02E-02	1.91E-02	6.83E-06	2.06E-05	1.19E-05	1.22E-05	1.11E-05	5.06E-06	4.77E-06	0.00E+00	0.00E+00	2.20E-06	4.15E-07	2.63E-06	4.06E-07	3.69E-07	6.02E-06	6.23E-06	2.28E-06	3.11E-06	1.16E-06	6.23E-06	2.28E-06
5482	489382.3	3859115	2.22E-02	2.27E-02	2.15E-02	7.69E-06	2.32E-05	1.34E-05	1.38E-05	1.25E-05	5.69E-06	5.37E-06	0.00E+00	0.00E+00	2.47E-06	4.67E-07	2.96E-06	4.57E-07	4.16E-07	6.78E-06	7.01E-06	2.57E-06	3.50E-06	1.31E-06	7.01E-06	2.57E-06
5483	489363	3859102	2.20E-02	2.25E-02	2.12E-02	7.60E-06	2.29E-05	1.33E-05	1.36E-05	1.23E-05	5.63E-06	5.31E-06	0.00E+00	0.00E+00	2.44E-06	4.62E-07	2.93E-06	4.52E-07	4.11E-07	6.70E-06	6.93E-06	2.54E-06	3.46E-06	1.29E-06	6.93E-06	2.54E-06
5484	489337.5	3859141	3.58E-02	3.67E-02	3.46E-02	1.24E-05	3.74E-05	2.17E-05	2.22E-05	2.01E-05	9.17E-06	8.65E-06	0.00E+00	0.00E+00	3.98E-06	7.53E-07	4.78E-06	7.37E-07	6.70E-07	1.09E-05	1.13E-05	4.14E-06	5.64E-06	2.11E-06	1.13E-05	4.14E-06
5485	489375.1	3859165	3.72E-02	3.81E-02	3.60E-02	1.29E-05	3.89E-05	2.25E-05	2.31E-05	2.09E-05	9.54E-06	9.00E-06	0.00E+00	0.00E+00	4.14E-06	7.83E-07	4.97E-06	7.66E-07	6.97E-07	1.14E-05	1.17E-05	4.31E-06	5.86E-06	2.19E-06	1.17E-05	4.31E-06
5486	489409.3	3859115	1.99E-02	2.04E-02	1.92E-02	6.90E-06	2.08E-05	1.21E-05	1.23E-05	1.12E-05	5.11E-06	4.82E-06	0.00E+00	0.00E+00	2.22E-06	4.19E-07	2.66E-06	4.10E-07	3.73E-07	6.08E-06	6.29E-06	2.31E-06	3.14E-06	1.17E-06	6.29E-06	2.31E-06
5487	489434.9	3859132	2.04E-02	2.09E-02	1.97E-02	7.05E-06	2.13E-05	1.23E-05	1.26E-05	1.14E-05	5.22E-06	4.93E-06	0.00E+00	0.00E+00	2.27E-06	4.29E-07	2.72E-06	4.19E-07	3.81E-07	6.22E-06	6.43E-06	2.36E-06	3.21E-06	1.20E-06	6.43E-06	2.36E-06
5488	489471.9	3859076	1.31E-02	1.35E-02	1.27E-02	4.55E-06	1.37E-05	7.95E-06	8.15E-06	7.38E-06	3.37E-06	3.18E-06	0.00E+00	0.00E+00	1.46E-06	2.76E-07	1.75E-06	2.71E-07	2.46E-07	4.01E-06	4.15E-06	1.52E-06	2.07E-06	7.74E-07	4.15E-06	1.52E-06
5489	489602.6	3859165	1.43E-02	1.46E-02	1.38E-02	4.94E-06	1.49E-05	8.63E-06	8.84E-06	8.02E-06	3.66E-06	3.45E-06	0.00E+00	0.00E+00	1.59E-06	3.00E-07	1.90E-06	2.94E-07	2.67E-07	4.35E-06	4.50E-06	1.65E-06	2.25E-06	8.40E-07	4.50E-06	1.65E-06
5490	489558.3	3859232	2.65E-02	2.71E-02	2.56E-02	9.17E-06	2.77E-05	1.60E-05	1.64E-05	1.49E-05	6.79E-06	6.40E-06	0.00E+00	0.00E+00	2.95E-06	5.57E-07	3.53E-06	5.45E-07	4.96E-07	8.08E-06	8.36E-06	3.06E-06	4.17E-06	1.56E-06	8.36E-06	3.06E-06
5491	489620.1	3859274	2.83E-02	2.90E-02	2.74E-02	9.80E-06	2.96E-05	1.71E-05	1.75E-05	1.59E-05	7.26E-06	6.85E-06	0.00E+00	0.00E+00	3.15E-06	5.96E-07	3.78E-06	5.83E-07	5.30E-07	8.64E-06	8.94E-06	3.28E-06	4.46E-06	1.67E-06	8.94E-06	3.28E-06
5492	489666.1	3859206	1.48E-02	1.52E-02	1.43E-02	5.12E-06	1.55E-05	8.96E-06	9.17E-06	8.31E-06	3.79E-06	3.58E-06	0.00E+00	0.00E+00	1.65E-06	3.11E-07	1.98E-06	3.05E-07	2.77E-07	4.52E-06	4.67E-06	1.71E-06	2.33E-06	8.71E-07	4.67E-06	1.71E-06
5493	489787.9	3859286	1.58E-02	1.62E-02	1.53E-02	5.48E-06	1.65E-05	9.58E-06	9.81E-06	8.89E-06	4.06E-06	3.83E-06	0.00E+00	0.00E+00	1.76E-06	3.33E-07	2.11E-06	3.26E-07	2.96E-07	4.83E-06	5.00E-06	1.83E-06	2.49E-06	9.32E-07	5.00E-06	1.83E-06
5494	489752.2	3859343	2.75E-02	2.82E-02	2.66E-02	9.53E-06	2.88E-05	1.67E-05	1.71E-05	1.55E-05	7.06E-06	6.66E-06	0.00E+00	0.00E+00	3.06E-06	5.79E-07	3.67E-06	5.67E-07	5.15E-07	8.40E-06	8.69E-06	3.19E-06	4.34E-06	1.62E-06	8.69E-06	3.19E-06
5495	489814.9	3859385	2.96E-02	3.04E-02	2.86E-02	1.03E-05	3.10E-05	1.79E-05	1.84E-05	1.67E-05	7.60E-06	7.17E-06	0.00E+00	0.00E+00	3.30E-06	6.24E-07	3.96E-06	6.10E-07	5.55E-07	9.04E-06	9.36E-06	3.43E-06	4.67E-06	1.74E-06	9.36E-06	3.43E-06
5496	489853.4	3859331	1.67E-02	1.71E-02	1.61E-02	5.78E-06	1.74E-05	1.01E-05	1.03E-05	9.38E-06	4.28E-06	4.04E-06	0.00E+00	0.00E+00	1.86E-06	3.51E-07	2.23E-06	3.44E-07	3.13E-07	5.09E-06	5.27E-06	1.93E-06	2.63E-06	9.83E-07	5.27E-06	1.93E-06
5497	489969.5	3859402	1.75E-02	1.79E-02	1.69E-02	6.06E-06	1.83E-05	1.06E-05	1.09E-05	9.84E-06	4.49E-06	4.23E-06	0.00E+00	0.00E+00	1.95E-06	3.68E-07	2.34E-06	3.60E-07	3.28E-07	5.34E-06	5.53E-06	2.03E-06	2.76E-06	1.03E-06	5.53E-06	2.03E-06
5498	490166.9	3859487	1.60E-02	1.64E-02	1.55E-02	5.54E-06	1.67E-05	9.68E-06	9.91E-06	8.99E-06	4.10E-06	3.87E-06	0.00E+00	0.00E+00	1.78E-06	3.36E-07	2.13E-06	3.29E-07	2.99E-07	4.88E-06	5.05E-06	1.85E-06	2.52E-06	9.42E-07	5.05E-06	1.85E-06
5499	490128.9	3859571	4.00E-02	4.10E-02	3.87E-02	1.39E-05	4.19E-05	2.42E-05	2.48E-05	2.25E-05	1.03E-05	9.68E-06	0.00E+00	0.00E+00	4.46E-06	8.42E-07	5.35E-06	8.24E-07	7.50E-07	1.22E-05	1.26E-05	4.64E-06	6.31E-06	2.36E-06	1.26E-05	4.64E-06
5500	490186.7	3859594	4.04E-02	4.13E-02	3.90E-02	1.40E-05	4.22E-05	2.44E-05	2.50E-05	2.27E-05	1.03E-05	9.76E-06	0.00E+00	0.00E+00	4.49E-06	8.49E-07	5.39E-06	8.31E-07	7.55E-07	1.23E-05	1.27E-05	4.67E-06	6.36E-06	2.38E-06	1.27E-05	4.67E-06
5501	490223.7	3859517	1.66E-02	1.70E-02	1.61E-02	5.76E-06	1.74E-05	1.01E-05	1.03E-05	9.35E-06	4.27E-06	4.02E-06	0.00E+00	0.00E+00	1.85E-06	3.50E-07	2.22E-06	3.43E-07	3.12E-07	5.08E-06	5.25E-06	1.93E-06	2.62E-06	9.80E-07	5.25E-06	1.93E-06
5502	490846.3	3859817	2.42E-02	2.48E-02	2.34E-02	8.38E-06	2.53E-05	1.46E-05	1.50E-05	1.36E-05	6.21E-06	5.85E-06	0.00E+00	0.00E+00	2.69E-06	5.09E-07	3.23E-06	4.98E-07	4.53E-07	7.39E-06	7.64E-06	2.80E-06	3.81E-06	1.43E-06	7.64E-06	2.80E-06
5503	490925.7	3859845	2.24E-02	2.29E-02	2.16E-02	7.75E-06	2.34E-05	1.35E-05	1.39E-05	1.26E-05	5.74E-06	5.41E-06	0.00E+00	0.00E+00	2.49E-06	4.71E-07	2.99E-06	4.61E-07	4.19E-07	6.83E-06	7.06E-06	2.59E-06	3.53E-06	1.32E-06	7.06E-06	2.59E-06
5504	491159.3	3859896	1.57E-02	1.61E-02	1.52E-02	5.43E-06	1.64E-05	9.50E-06	9.73E-06	8.82E-06	4.02E-06	3.80E-06	0.00E+00	0.00E+00	1.75E-06	3.30E-07	2.10E-06	3.23E-07	2.94E-07	4.79E-06	4.95E-06	1.82E-06	2.47E-06	9.24E-07	4.95E-06	1.82E-06
5505	491370.7	3859961	1.20E-02	1.23E-02	1.16E-02	4.15E-06	1.25E-05	7.25E-06	7.43E-06	6.73E-06	3.07E-06	2.90E-06	0.00E+00	0.00E+00	1.33E-06	2.52E-07	1.60E-06	2.47E-07	2.24E-07	3.66E-06	3.78E-06	1.39E-06	1.89E-06	7.06E-07	3.78E-06	1.39E-06
5506	491330.3	3860063	2.24E-02	2.29E-02	2.16E-02	7.74E-06	2.34E-05	1.35E-05	1.39E-05	1.26E-05	5.73E-06	5.41E-06	0.00E+00	0.00E+00	2.49E-06	4.70E-07	2.98E-06	4.60E-07	4.19E-07	6.82E-06	7.06E-06	2.59E-06	3.52E-06	1.32E-06	7.06E-06	2.59E-06
5507	491636.5	3860181	1.20E-02	1.23E-02	1.16E-02	4.15E-06	1.25E-05	7.26E-06	7.44E-06	6.74E-06	3.08E-06	2.90E-06	0.00E+00	0.00E+00	1.34E-06	2.52E-07	1.60E-06	2.47E-07	2.25E-07	3.66E-06	3.79E-06	1.39E-06	1.89E-06	7.07E-07	3.79E-06	1.39E-06
5508	491617.9	3860204	1.39E-02	1.42E-02	1.34E-02	4.80E-06	1.45E-05	8.39E-06	8.59E-06	7.79E-06	3.55E-06	3.35E-06	0.00E+00	0.00E+00	1.54E-06	2.92E-07	1.85E-06	2.85E-07	2.59E-07	4.23E-06	4.37E-06	1.60E-06	2.18E-06	8.16E-07	4.37E-06	1.60E-06
5509	491805.7	3860272	1.04E-02	1.06E-02	1.00E-02	3.59E-06	1.08E-05	6.28E-06	6.43E-06	5.83E-06	2.66E-06	2.51E-06	0.00E+00	0.00E+00	1.16E-06	2.18E-07	1.39E-06	2.14E-07	1.94E-07	3.17E-06	3.28E-06	1.20E-06	1.64E-06	6.11E-07	3.28E-06	1.20E-06
5510	491654.2	3860414	5.36E-02	5.49E-02	5.18E-02	1.86E-05	5.61E-05	3.24E-05	3.32E-05	3.01E-05	1.37E-05	1.30E-05	0.00E+00	0.00E+00	5.97E-06	1.13E-06	7.16E-06	1.10E-06	1.00E-06	1.64E-05	1.69E-05	6.21E-06	8.45E-06	3.16E-06	1.69E-05	6.21E-06
5511	491592.6	3860511	1.04E-02	1.06E-02	1.00E-02	3.59E-06	1.08E-05	6.27E-06	6.42E-06	5.82E-06	2.66E-06	2.51E-06	0.00E+00	0.00E+00	1.15E-06	2.18E-07	1.38E-06	2.13E-07	1.94E-07	3.16E-06	3.27E-06	1.20E-06	1.63E-06	6.10E-07	3.27E-06	1.20E-06
5512	491475.4	3860369	1.74E-02	1.79E-02	1.68E-02	6.04E-06	1.82E-05	1.06E-05	1.08E-05	9.80E-06	4.47E-06	4.22E-06	0.00E+00	0.00E+00	1.94E-06	3.67E-07	2.33E-06	3.59E-07	3.26E-07	5.32E-06	5.50E-06	2.02E-06	2.75E-06	1.03E-06	5.50E-06	2.02E-06
5513	491445.6	3860337	1.94E-02	1.99E-02	1.87E-02	6.71E-06	2.03E-05	1.17E-05	1.20E-05	1.09E-05	4.97E-06	4.69E-06	0.00E+00	0.00E+00	2.16E-06	4.08E-07	2.59E-06	3.99E-07	3.63E-07	5.92E-06	6.12E-06	2.24E-06	3.05E-06	1.14E-06	6.12E-06	2.24E-06
5514	491399.1	3860300	1.97E-02	2.02E-02	1.91E-02	6.83E-06	2.06E-05	1.19E-05	1.22E-05	1.11E-05	5.06E-06	4.77E-06	0.00E+00	0.00E+00	2.20E-06	4.15E-07	2.63E-06	4.06E-07	3.70E-07	6.02E-06	6.23E-06	2.28E-06	3.11E-06	1.16E-06	6.23E-06	2.28E-06
5515	491228.8	3860236	9.70E-03	9.94E-03	9.37E-03	3.36E-06	1.01E-05	5.87E-06	6.01E-06	5.45E-06	2.49E-06	2.35E-06	0.00E+00	0.00E+00	1.08E-06	2.04E-07	1.30E-06	2.00E-07	1.82E-07	2.96E-06	3.06E-06	1.12E-06	1.53E-06	5.71E-07	3.06E-06	1.12E-06
5516	491228.5	3860175	1.85E-02	1.89E-02	1.78E-02	6.40E-06	1.93E-05	1.12E-05	1.14E-05	1.04E-05	4.74E-06	4.47E-06	0.00E+00	0.00E+00	2.06E-06	3.89E-07	2.47E-06	3.80E-07	3.46E-07	5.64E-06	5.83E-06	2.14E-06	2.91E-06	1.09E-06	5.83E-06	2.14E-06
5517	491145.8	3860113	1.83E-02	1.88E-02	1.77E-02	6.35E-06	1.92E-05	1.11E-05	1.14E-05	1.03E-05	4.70E-06	4.44E-06	0.00E+00	0.00E+00	2.04E-06	3.86E-07	2.45E-06	3.78E-07	3.43E-07	5.60E-06	5.79E-06	2.12E-06	2.89E-06	1.08E-06	5.79E-06	2.12E-06
5518	490844.4	3859966	1.71E-02	1.75E-02	1.65E-02	5.92E-06	1.79E-05	1.03E-05	1.06E-05	9.60E-06	4.38E-06	4.13E-06	0.00E+00	0.00E+00	1.90E-06	3.59E-07	2.28E-06	3.52E-07	3.20E-07	5.21E-06	5.39E-06	1.98E-06	2.69E-06	1.01E-06	5.39E-06	1.98E-06
5519	490845.6	3859928	3.78E-02	3.87E-02	3.65E-02	1.31E-05	3.95E-05	2.29E-05	2.34E-05	2.12E-05	9.68E-06	9.13E-06	0.00E+00	0.00E+00	4.21E-06	7.95E-07	5.04E-06	7.78E-07	7.07E-07	1.15E-05	1.19E-05	4.37E-06	5.95E-06	2.22E-06	1.19E-05	4.37E-06
5520	490046.9	3859626	2.52E-02	2.58E-02	2.44E-02	8.73E-06	2.64E-05	1.53E-05	1.56E-05	1.42E-05	6.47E-06	6.10E-06	0.00E+00	0.00E+00	2.81E-06	5.31E-07	3.37E-06	5.19E-07	4.72E-07	7.70E-06	7.96E-06	2.92E-06	3.97E-06	1.48E-06	7.96E-06	2.92E-06
5521	489970.5	3859589	2.64E-02	2.71E-02	2.55E-02	9.15E-06	2.76E-05	1.60E-05	1.64E-05	1.48E-05	6.77E-06	6.39E-06	0.00E+00	0.00E+00	2.94E-06	5.56E-07	3.53E-06	5.44E-07	4.95E-07	8.06E-06	8.34E-06	3.06E-06	4.16E-06	1.56E-06	8.34E-06	3.06E-06
5522	489865.9	3859529	2.89E-02	2.96E-02	2.79E-02	9.99E-06	3.02E-05	1.75E-05	1.79E-05	1.62E-05	7.40E-06	6.98E-06	0.00E+00	0.00E+00	3.21E-06	6.07E-07	3.85E-06	5.94E-07	5.40E-07	8.81E-06	9.11E-06	3.34E-06	4.55E-06	1.70E-06	9.11E-06	3.34E-06
5523	489826.9	3859532	1.86E-02	1.91E-02	1.80E-02	6.45E-06	1.95E-05	1.13E-05	1.15E-05	1.05E-05	4.77E-06	4.50E-06	0.00E+00	0.00E+00	2.07E-06	3.92E-07	2.49E-06	3.83E-07	3.49E-07	5.68E-06	5.88E-06	2.16E-06	2.93E-06	1.10E-06	5.88E-06	2.16E-06
5524	489410.5	3859303	1.84E-02	1.89E-02	1.78E-02	6.38E-06	1.93E-05	1.12E-05	1.14E-05	1.04E-05	4.73E-06	4.46E-06	0.00E+00	0.00E+00	2.05E-06	3.88E-07	2.46E-06	3.80E-07	3.45E-07	5.63E-06	5.82E-06	2.13E-06	2.90E-06	1.09E-06	5.82E-06	2.13E-06
5525	489407.2	3859286	2.39E-02	2.44E-02	2.31E-02	8.26E-06	2.49E-05	1.44E-05	1.48E-05	1.34E-05	6.12E-06	5.77E-06	0.00E+00	0.00E+00	2.66E-06	5.02E-07	3.19E-06	4.91E-07	4.47E-07	7.28E-06	7.53E-06	2.76E-06	3.76E-06	1.40E-06	7.53E-06	2.76E-06
5526	488806.1	3858964	2.05E-02	2.10E-02	1.98E-02	7.09E-06	2.14E-05	1.24E-05	1.27E-05	1.15E-05	5.25E-06	4.95E-06	0.00E+00	0.00E+00	2.28E-06	4.31E-07	2.73E-06	4.21E-07	3.83E-07	6.25E-06	6.46E-06	2.37E-06	3.23E-06	1.21E-06	6.46E-06	2.37E-06
5527	488817.6	3859546	1.79E-03	1.84E-03	1.73E-03	6.20E-07	1.87E-06	1.08E-06	1.11E-06	1.01E-06	4.59E-07	4.33E-07	0.00E+00	0.00E+00	1.99E-07	3.77E-08	2.39E-07	3.69E-08	3.35E-08	5.47E-07	5.65E-07	2.07E-07	2.82E-07	1.05E-07	5.65E-07	2.07E-07
5528	489187.3	3859550	2.54E-03	2.60E-03	2.45E-03	8.79E-07	2.65E-06	1.54E-06	1.57E-06	1.43E-06	6.51E-07	6.14E-07	0.00E+00	0.00E+00	2.83E-07	5.34E-08	3.39E-07	5.23E-08	4.75E-08	7.75E-07	8.01E-07	2.94E-07	4.00E-07	1.49E-07	8.01E-07	2.94E-07
5529	489187.7	3859524	2.69E-03	2.76E-03	2.60E-03	9.33E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.91E-07	6.52E-07	0.00E+00	0.00E+00	3.00E-07	5.67E-08	3.60E-07	5.55E-08	5.05E-08	8.22E-07	8.51E-07	3.12E-07	4.25E-07	1.59E-07	8.51E-07	3.12E-07
5530	489232.6	3859523	2.87E-03	2.94E-03	2.78E-03	9.95E-07	3.00E-06	1.74E-06	1.78E-06	1.61E-06	7.37E-07	6.95E-07	0.00E+00	0.00E+00	3.20E-07	6.04E-08	3.84E-07	5.91E-08	5.38E-08	8.77E-07	9.07E-07	3.33E-07	4.53E-07	1.69E-07	9.07E-07	3.33E-07
5531	489225	3859760	1.80E-03	1.85E-03	1.74E-03	6.25E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.63E-07	4.36E-07	0.00E+00	0.00E+00	2.01E-07	3.80E-08	2.41E-07	3.72E-08	3.38E-08	5.51E-07	5.70E-07	2.09E-07	2.84E-07	1.06E-07	5.70E-07	2.09E-07
5532	488401.4	3859763	1.12E-03	1.14E-03	1.08E-03	3.87E-07	1.17E-06	6.76E-07	6.92E-07	6.28E-07	2.86E-07	2.70E-07	0.00E+00	0.00E+00	1.24E-07	2.35E-08	1.49E-07	2.30E-08	2.09E-08	3.41E-07	3.53E-07	1.29E-07	1.76E-07	6.58E-08	3.53E-07	1.29E-07
5533	488405.5	3859966	9.84E-04	1.01E-03	9.51E-04	3.41E-07	1.03E-06	5.96E-07	6.10E-07	5.53E-07	2.52E-07	2.38E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.31E-07	2.03E-08	1.84E-08	3.00E-07	3.11E-07	1.14E-07	1.55E-07	5.80E-08	3.11E-07	1.14E-07
5534	489202.9	3859957	1.40E-03	1.43E-03	1.35E-03	4.84E-07	1.46E-06	8.46E-07	8.66E-07	7.85E-07	3.58E-07	3.38E-07	0.00E+00	0.00E+00	1.56E-07	2.94E-08	1.87E-07	2.88E-08	2.62E-08	4.26E-07	4.41E-07	1.62E-07	2.20E-07	8.23E-08	4.41E-07	1.62E-07
5535	489191.9	3860677	8.15E-04	8.34E-04	7.87E-04	2.82E-07	8.52E-07	4.93E-07	5.05E-07	4.58E-07	2.09E-07	1.97E-07	0.00E+00	0.00E+00	9.07E-08	1.71E-08	1.09E-07	1.68E-08	1.53E-08	2.49E-07	2.57E-07	9.43E-08	1.28E-07	4.80E-08	2.57E-07	9.43E-08
5536	488392.8	3860688	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.52E-08	1.42E-08	9.02E-08	1.39E-08	1.27E-08	2.06E-07	2.13E-07	7.82E-08	1.06E-07	3.98E-08	2.13E-07	7.82E-08
5537	488392.8	3860760	6.57E-04	6.73E-04	6.35E-04	2.27E-07	6.86E-07	3.97E-07	4.07E-07	3.69E-07	1.68E-07	1.59E-07	0.00E+00	0.00E+00	7.31E-08	1.38E-08	8.77E-08	1.35E-08	1.23E-08	2.00E-07	2.07E-07	7.60E-08	1.03E-07	3.87E-08	2.07E-07	7.60E-08
5538	487549.1	3860777	5.58E-04	5.71E-04	5.39E-04	1.93E-07	5.83E-07	3.38E-07	3.46E-07	3.13E-07	1.43E-07	1.35E-07	0.00E+00	0.00E+00	6.21E-08	1.17E-08	7.45E-08	1.15E-08	1.04E-08	1.70E-07	1.76E-07	6.46E-08	8.79E-08	3.28E-08	1.76E-07	6.46E-08
5539	487554.6	3859572	9.40E-04	9.63E-04	9.08E-04	3.25E-07	9.83E-07	5.69E-07	5.83E-07	5.28E-07	2.41E-07	2.27E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.25E-07	1.94E-08	1.76E-08	2.87E-07	2.97E-07	1.09E-07	1.48E-07	5.53E-08	2.97E-07	1.09E-07
5540	485949.5	3859559	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	0.00E+00	0.00E+00	7.20E-08	1.36E-08	8.63E-08	1.33E-08	1.21E-08	1.97E-07	2.04E-07	7.48E-08	1.02E-07	3.81E-08	2.04E-07	7.48E-08
5541	485947.6	3857944	1.69E-03	1.74E-03	1.64E-03	5.87E-07	1.77E-06	1.03E-06	1.05E-06	9.52E-07	4.34E-07	4.10E-07	0.00E+00	0.00E+00	1.89E-07	3.56E-08	2.26E-07	3.49E-08	3.17E-08	5.17E-07	5.35E-07	1.96E-07	2.67E-07	9.97E-08	5.35E-07	1.96E-07
5542	484738.4	3857940	8.71E-04	8.92E-04	8.41E-04	3.01E-07	9.10E-07	5.27E-07	5.40E-07	4.89E-07	2.23E-07	2.11E-07	0.00E+00	0.00E+00	9.69E-08	1.83E-08	1.16E-07	1.79E-08	1.63E-08	2.66E-07	2.75E-07	1.01E-07	1.37E-07	5.13E-08	2.75E-07	1.01E-07
5543	484737.1	3857536	1.09E-03	1.12E-03	1.05E-03	3.78E-07	1.14E-06	6.60E-07	6.76E-07	6.13E-07	2.80E-07	2.64E-07	0.00E+00	0.00E+00	1.21E-07	2.29E-08	1.46E-07	2.25E-08	2.04E-08	3.33E-07	3.44E-07	1.26E-07	1.72E-07	6.42E-08	3.44E-07	1.26E-07

5544	483730.2	3857530	7.45E-04	7.63E-04	7.20E-04	2.58E-07	7.79E-07	4.51E-07	4.62E-07	4.19E-07	1.91E-07	1.80E-07	0.00E+00	0.00E+00	8.30E-08	1.57E-08	9.95E-08	1.53E-08	1.40E-08	2.27E-07	2.35E-07	8.63E-08	1.17E-07	4.39E-08	2.35E-07	8.63E-08
5545	483727.3	3857130	8.71E-04	8.92E-04	8.41E-04	3.01E-07	9.10E-07	5.27E-07	5.40E-07	4.89E-07	2.23E-07	2.11E-07	0.00E+00	0.00E+00	9.69E-08	1.83E-08	1.16E-07	1.79E-08	1.63E-08	2.66E-07	2.75E-07	1.01E-07	1.37E-07	5.13E-08	2.75E-07	1.01E-07
5546	483124.4	3857123	7.25E-04	7.42E-04	7.00E-04	2.51E-07	7.57E-07	4.38E-07	4.49E-07	4.07E-07	1.86E-07	1.75E-07	0.00E+00	0.00E+00	8.07E-08	1.52E-08	9.67E-08	1.49E-08	1.36E-08	2.21E-07	2.29E-07	8.39E-08	1.14E-07	4.27E-08	2.29E-07	8.39E-08
5547	483111.1	3855921	1.24E-03	1.27E-03	1.19E-03	4.28E-07	1.29E-06	7.47E-07	7.66E-07	6.94E-07	3.17E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.60E-08	1.65E-07	2.54E-08	2.31E-08	3.77E-07	3.90E-07	1.43E-07	1.95E-07	7.27E-08	3.90E-07	1.43E-07
5548	482701.7	3855918	9.92E-04	1.02E-03	9.58E-04	3.43E-07	1.04E-06	6.00E-07	6.15E-07	5.57E-07	2.54E-07	2.40E-07	0.00E+00	0.00E+00	1.10E-07	2.09E-08	1.32E-07	2.04E-08	1.86E-08	3.03E-07	3.13E-07	1.15E-07	1.56E-07	5.84E-08	3.13E-07	1.15E-07
5549	482668	3853522	8.35E-03	8.55E-03	8.06E-03	2.89E-06	8.72E-06	5.05E-06	5.17E-06	4.69E-06	2.14E-06	2.02E-06	0.00E+00	0.00E+00	9.29E-07	1.76E-07	1.11E-06	1.72E-07	1.56E-07	2.55E-06	2.63E-06	9.66E-07	1.31E-06	4.91E-07	2.63E-06	9.66E-07
5550	482579.9	3853219	1.01E-02	1.03E-02	9.72E-03	3.48E-06	1.05E-05	6.09E-06	6.24E-06	5.65E-06	2.58E-06	2.43E-06	0.00E+00	0.00E+00	1.12E-06	2.12E-07	1.34E-06	2.07E-07	1.88E-07	3.07E-06	3.18E-06	1.16E-06	1.58E-06	5.92E-07	3.18E-06	1.16E-06
5551	482434.1	3852962	1.42E-02	1.45E-02	1.37E-02	4.91E-06	1.48E-05	8.58E-06	8.79E-06	7.97E-06	3.64E-06	3.43E-06	0.00E+00	0.00E+00	1.58E-06	2.98E-07	1.89E-06	2.92E-07	2.66E-07	4.33E-06	4.48E-06	1.64E-06	2.23E-06	8.35E-07	4.48E-06	1.64E-06
5552	482332.1	3852833	1.84E-02	1.89E-02	1.78E-02	6.38E-06	1.92E-05	1.11E-05	1.14E-05	1.03E-05	4.72E-06	4.45E-06	0.00E+00	0.00E+00	2.05E-06	3.87E-07	2.46E-06	3.79E-07	3.45E-07	5.62E-06	5.81E-06	2.13E-06	2.90E-06	1.08E-06	5.81E-06	2.13E-06
5553	481335	3851819	1.52E-02	1.56E-02	1.47E-02	5.26E-06	1.59E-05	9.19E-06	9.41E-06	8.53E-06	3.89E-06	3.67E-06	0.00E+00	0.00E+00	1.69E-06	3.20E-07	2.03E-06	3.13E-07	2.84E-07	4.64E-06	4.79E-06	1.76E-06	2.39E-06	8.94E-07	4.79E-06	1.76E-06
5554	481127.6	3851646	1.31E-02	1.34E-02	1.26E-02	4.52E-06	1.37E-05	7.91E-06	8.10E-06	7.34E-06	3.35E-06	3.16E-06	0.00E+00	0.00E+00	1.46E-06	2.75E-07	1.74E-06	2.69E-07	2.45E-07	3.99E-06	4.13E-06	1.51E-06	2.06E-06	7.70E-07	4.13E-06	1.51E-06
5555	481025	3851592	1.19E-02	1.22E-02	1.15E-02	4.13E-06	1.25E-05	7.22E-06	7.40E-06	6.71E-06	3.06E-06	2.89E-06	0.00E+00	0.00E+00	1.33E-06	2.51E-07	1.59E-06	2.46E-07	2.24E-07	3.64E-06	3.77E-06	1.38E-06	1.88E-06	7.03E-07	3.77E-06	1.38E-06
5556	480513.6	3851336	1.22E-02	1.25E-02	1.18E-02	4.23E-06	1.28E-05	7.39E-06	7.57E-06	6.87E-06	3.13E-06	2.95E-06	0.00E+00	0.00E+00	1.36E-06	2.57E-07	1.63E-06	2.52E-07	2.29E-07	3.73E-06	3.86E-06	1.41E-06	1.93E-06	7.19E-07	3.86E-06	1.41E-06
5557	480523.6	3851318	1.65E-02	1.69E-02	1.60E-02	5.72E-06	1.73E-05	1.00E-05	1.02E-05	9.29E-06	4.24E-06	4.00E-06	0.00E+00	0.00E+00	1.84E-06	3.48E-07	2.21E-06	3.40E-07	3.09E-07	5.04E-06	5.22E-06	1.91E-06	2.60E-06	9.73E-07	5.22E-06	1.91E-06
5558	476921.6	3849569	1.46E-02	1.49E-02	1.41E-02	5.04E-06	1.52E-05	8.81E-06	9.02E-06	8.18E-06	3.73E-06	3.52E-06	0.00E+00	0.00E+00	1.62E-06	3.06E-07	1.94E-06	3.00E-07	2.73E-07	4.44E-06	4.59E-06	1.69E-06	2.29E-06	8.57E-07	4.59E-06	1.69E-06
5559	476521.2	3849374	1.75E-02	1.80E-02	1.69E-02	6.07E-06	1.83E-05	1.06E-05	1.09E-05	9.85E-06	4.49E-06	4.24E-06	0.00E+00	0.00E+00	1.95E-06	3.69E-07	2.34E-06	3.61E-07	3.28E-07	5.35E-06	5.53E-06	2.03E-06	2.76E-06	1.03E-06	5.53E-06	2.03E-06
5560	476391.5	3849333	1.87E-02	1.92E-02	1.81E-02	6.48E-06	1.96E-05	1.13E-05	1.16E-05	1.05E-05	4.80E-06	4.53E-06	0.00E+00	0.00E+00	2.08E-06	3.94E-07	2.50E-06	3.85E-07	3.51E-07	5.71E-06	5.91E-06	2.17E-06	2.95E-06	1.10E-06	5.91E-06	2.17E-06
5561	476219.4	3849304	1.63E-02	1.67E-02	1.58E-02	5.65E-06	1.71E-05	9.88E-06	1.01E-05	9.17E-06	4.19E-06	3.95E-06	0.00E+00	0.00E+00	1.82E-06	3.44E-07	2.18E-06	3.36E-07	3.06E-07	4.98E-06	5.15E-06	1.89E-06	2.57E-06	9.61E-07	5.15E-06	1.89E-06
5562	475679.1	3849218	1.33E-02	1.36E-02	1.28E-02	4.59E-06	1.39E-05	8.03E-06	8.22E-06	7.45E-06	3.40E-06	3.21E-06	0.00E+00	0.00E+00	1.48E-06	2.79E-07	1.77E-06	2.73E-07	2.48E-07	4.05E-06	4.19E-06	1.54E-06	2.09E-06	7.81E-07	4.19E-06	1.54E-06
5563	475677.7	3849234	1.06E-02	1.09E-02	1.03E-02	3.68E-06	1.11E-05	6.43E-06	6.58E-06	5.97E-06	2.72E-06	2.57E-06	0.00E+00	0.00E+00	1.18E-06	2.23E-07	1.42E-06	2.19E-07	1.99E-07	3.24E-06	3.35E-06	1.23E-06	1.67E-06	6.25E-07	3.35E-06	1.23E-06
5564	475492.7	3849205	7.41E-03	7.59E-03	7.15E-03	2.56E-06	7.74E-06	4.48E-06	4.59E-06	4.16E-06	1.90E-06	1.79E-06	0.00E+00	0.00E+00	8.24E-07	1.56E-07	9.89E-07	1.52E-07	1.39E-07	2.26E-06	2.34E-06	8.57E-07	1.17E-06	4.36E-07	2.34E-06	8.57E-07
5565	475497.6	3849159	1.74E-02	1.79E-02	1.68E-02	6.04E-06	1.82E-05	1.05E-05	1.08E-05	9.80E-06	4.47E-06	4.22E-06	0.00E+00	0.00E+00	1.94E-06	3.67E-07	2.33E-06	3.59E-07	3.26E-07	5.32E-06	5.50E-06	2.02E-06	2.75E-06	1.03E-06	5.50E-06	2.02E-06
5566	475391.4	3849142	1.33E-02	1.36E-02	1.29E-02	4.61E-06	1.39E-05	8.05E-06	8.25E-06	7.47E-06	3.41E-06	3.22E-06	0.00E+00	0.00E+00	1.48E-06	2.80E-07	1.78E-06	2.74E-07	2.49E-07	4.06E-06	4.20E-06	1.54E-06	2.10E-06	7.83E-07	4.20E-06	1.54E-06
5567	475277	3849095	1.28E-02	1.32E-02	1.24E-02	4.45E-06	1.34E-05	7.77E-06	7.96E-06	7.21E-06	3.29E-06	3.11E-06	0.00E+00	0.00E+00	1.43E-06	2.70E-07	1.71E-06	2.64E-07	2.40E-07	3.92E-06	4.05E-06	1.49E-06	2.02E-06	7.56E-07	4.05E-06	1.49E-06
5568	475183.9	3849026	1.67E-02	1.72E-02	1.62E-02	5.80E-06	1.75E-05	1.01E-05	1.04E-05	9.41E-06	4.29E-06	4.05E-06	0.00E+00	0.00E+00	1.86E-06	3.52E-07	2.24E-06	3.45E-07	3.14E-07	5.11E-06	5.29E-06	1.94E-06	2.64E-06	9.86E-07	5.29E-06	1.94E-06
5569	474453.2	3848379	2.39E-02	2.45E-02	2.31E-02	8.28E-06	2.50E-05	1.45E-05	1.48E-05	1.34E-05	6.13E-06	5.78E-06	0.00E+00	0.00E+00	2.66E-06	5.03E-07	3.19E-06	4.92E-07	4.48E-07	7.30E-06	7.55E-06	2.77E-06	3.77E-06	1.41E-06	7.55E-06	2.77E-06
5570	474569.6	3848399	5.15E-02	5.27E-02	4.97E-02	1.78E-05	5.38E-05	3.11E-05	3.19E-05	2.89E-05	1.32E-05	1.24E-05	0.00E+00	0.00E+00	5.73E-06	1.08E-06	6.87E-06	1.06E-06	9.64E-07	1.57E-05	1.62E-05	5.96E-06	8.11E-06	3.03E-06	1.62E-05	5.96E-06
5571	474644.3	3848465	5.22E-02	5.35E-02	5.04E-02	1.81E-05	5.46E-05	3.16E-05	3.24E-05	2.93E-05	1.34E-05	1.26E-05	0.00E+00	0.00E+00	5.81E-06	1.10E-06	6.97E-06	1.07E-06	9.78E-07	1.59E-05	1.65E-05	6.04E-06	8.23E-06	3.07E-06	1.65E-05	6.04E-06
5572	474719	3848530	5.33E-02	5.46E-02	5.15E-02	1.84E-05	5.57E-05	3.22E-05	3.30E-05	2.99E-05	1.37E-05	1.29E-05	0.00E+00	0.00E+00	5.93E-06	1.12E-06	7.11E-06	1.10E-06	9.98E-07	1.63E-05	1.68E-05	6.17E-06	8.39E-06	3.14E-06	1.68E-05	6.17E-06
5573	474793.7	3848595	5.42E-02	5.55E-02	5.24E-02	1.88E-05	5.67E-05	3.28E-05	3.36E-05	3.05E-05	1.39E-05	1.31E-05	0.00E+00	0.00E+00	6.04E-06	1.14E-06	7.24E-06	1.12E-06	1.02E-06	1.65E-05	1.71E-05	6.28E-06	8.54E-06	3.19E-06	1.71E-05	6.28E-06
5574	474868.5	3848660	5.45E-02	5.59E-02	5.27E-02	1.89E-05	5.70E-05	3.30E-05	3.38E-05	3.06E-05	1.40E-05	1.32E-05	0.00E+00	0.00E+00	6.07E-06	1.15E-06	7.28E-06	1.12E-06	1.02E-06	1.66E-05	1.72E-05	6.31E-06	8.59E-06	3.21E-06	1.72E-05	6.31E-06
5575	474943.2	3848725	5.55E-02	5.69E-02	5.36E-02	1.92E-05	5.80E-05	3.36E-05	3.44E-05	3.12E-05	1.42E-05	1.34E-05	0.00E+00	0.00E+00	6.18E-06	1.17E-06	7.41E-06	1.14E-06	1.04E-06	1.69E-05	1.75E-05	6.43E-06	8.75E-06	3.27E-06	1.75E-05	6.43E-06
5576	475017.9	3848790	5.74E-02	5.88E-02	5.54E-02	1.99E-05	6.00E-05	3.47E-05	3.55E-05	3.22E-05	1.47E-05	1.39E-05	0.00E+00	0.00E+00	6.39E-06	1.21E-06	7.66E-06	1.18E-06	1.07E-06	1.75E-05	1.81E-05	6.64E-06	9.04E-06	3.38E-06	1.81E-05	6.64E-06
5577	475092.6	3848856	5.86E-02	6.00E-02	5.66E-02	2.03E-05	6.12E-05	3.54E-05	3.63E-05	3.29E-05	1.50E-05	1.42E-05	0.00E+00	0.00E+00	6.52E-06	1.23E-06	7.82E-06	1.21E-06	1.10E-06	1.79E-05	1.85E-05	6.78E-06	9.23E-06	3.45E-06	1.85E-05	6.78E-06
5578	475232.6	3848959	4.94E-02	5.06E-02	4.77E-02	1.71E-05	5.16E-05	2.99E-05	3.06E-05	2.77E-05	1.27E-05	1.19E-05	0.00E+00	0.00E+00	5.50E-06	1.04E-06	6.59E-06	1.02E-06	9.24E-07	1.51E-05	1.56E-05	5.72E-06	7.78E-06	2.91E-06	1.56E-05	5.72E-06
5579	475368.5	3849030	5.11E-02	5.24E-02	4.94E-02	1.77E-05	5.35E-05	3.09E-05	3.17E-05	2.87E-05	1.31E-05	1.24E-05	0.00E+00	0.00E+00	5.69E-06	1.08E-06	6.83E-06	1.05E-06	9.58E-07	1.56E-05	1.61E-05	5.92E-06	8.06E-06	3.01E-06	1.61E-05	5.92E-06
5580	475609.6	3849096	4.26E-02	4.36E-02	4.11E-02	1.47E-05	4.45E-05	2.58E-05	2.64E-05	2.39E-05	1.09E-05	1.03E-05	0.00E+00	0.00E+00	4.74E-06	8.96E-07	5.68E-06	8.76E-07	7.97E-07	1.30E-05	1.34E-05	4.93E-06	6.71E-06	2.51E-06	1.34E-05	4.93E-06
5581	475680.7	3849117	4.89E-02	5.01E-02	4.72E-02	1.69E-05	5.11E-05	2.96E-05	3.03E-05	2.75E-05	1.25E-05	1.18E-05	0.00E+00	0.00E+00	5.44E-06	1.03E-06	6.52E-06	1.01E-06	9.15E-07	1.49E-05	1.54E-05	5.66E-06	7.70E-06	2.88E-06	1.54E-05	5.66E-06
5582	475843.8	3849152	6.04E-02	6.19E-02	5.84E-02	2.09E-05	6.31E-05	3.65E-05	3.74E-05	3.39E-05	1.55E-05	1.46E-05	0.00E+00	0.00E+00	6.72E-06	1.27E-06	8.06E-06	1.24E-06	1.13E-06	1.84E-05	1.91E-05	6.99E-06	9.52E-06	3.56E-06	1.91E-05	6.99E-06
5583	475935.7	3849166	5.56E-02	5.69E-02	5.37E-02	1.92E-05	5.81E-05	3.36E-05	3.44E-05	3.12E-05	1.42E-05	1.34E-05	0.00E+00	0.00E+00	6.19E-06	1.17E-06	7.42E-06	1.14E-06	1.04E-06	1.70E-05	1.75E-05	6.43E-06	8.76E-06	3.27E-06	1.75E-05	6.43E-06
5584	476027.7	3849180	5.55E-02	5.69E-02	5.37E-02	1.92E-05	5.81E-05	3.36E-05	3.44E-05	3.12E-05	1.42E-05	1.34E-05	0.00E+00	0.00E+00	6.18E-06	1.17E-06	7.41E-06	1.14E-06	1.04E-06	1.69E-05	1.75E-05	6.43E-06	8.75E-06	3.27E-06	1.75E-05	6.43E-06
5585	476119.7	3849195	5.81E-02	5.95E-02	5.62E-02	2.01E-05	6.07E-05	3.52E-05	3.60E-05	3.27E-05	1.49E-05	1.41E-05	0.00E+00	0.00E+00	6.47E-06	1.22E-06	7.76E-06	1.20E-06	1.09E-06	1.77E-05	1.83E-05	6.73E-06	9.16E-06	3.42E-06	1.83E-05	6.73E-06
5586	476211.7	3849209	5.75E-02	5.89E-02	5.56E-02	1.99E-05	6.01E-05	3.48E-05	3.56E-05	3.23E-05	1.47E-05	1.39E-05	0.00E+00	0.00E+00	6.40E-06	1.21E-06	7.68E-06	1.18E-06	1.08E-06	1.75E-05	1.82E-05	6.66E-06	9.06E-06	3.39E-06	1.82E-05	6.66E-06
5587	476497.8	3849284	7.46E-02	7.64E-02	7.21E-02	2.58E-05	7.80E-05	4.52E-05	4.62E-05	4.19E-05	1.91E-05	1.80E-05	0.00E+00	0.00E+00	8.31E-06	1.57E-06	9.96E-06	1.54E-06	1.40E-06	2.28E-05	2.36E-05	8.64E-06	1.18E-05	4.39E-06	2.36E-05	8.64E-06
5588	476603.7	3849324	7.43E-02	7.61E-02	7.18E-02	2.57E-05	7.77E-05	4.50E-05	4.61E-05	4.18E-05	1.91E-05	1.80E-05	0.00E+00	0.00E+00	8.27E-06	1.56E-06	9.92E-06	1.53E-06	1.39E-06	2.27E-05	2.35E-05	8.60E-06	1.17E-05	4.38E-06	2.35E-05	8.60E-06
5589	476729	3849383	6.86E-02	7.02E-02	6.63E-02	2.37E-05	7.17E-05	4.15E-05	4.25E-05	3.85E-05	1.76E-05	1.66E-05	0.00E+00	0.00E+00	7.63E-06	1.44E-06	9.15E-06	1.41E-06	1.28E-06	2.09E-05	2.16E-05	7.94E-06	1.08E-05	4.04E-06	2.16E-05	7.94E-06
5590	476801.3	3849419	6.85E-02	7.02E-02	6.62E-02	2.37E-05	7.16E-05	4.15E-05	4.25E-05	3.85E-05	1.76E-05	1.66E-05	0.00E+00	0.00E+00	7.63E-06	1.44E-06	9.15E-06	1.41E-06	1.28E-06	2.09E-05	2.16E-05	7.93E-06	1.08E-05	4.03E-06	2.16E-05	7.93E-06
5591	476956.2	3849495	6.86E-02	7.02E-02	6.62E-02	2.37E-05	7.17E-05	4.15E-05	4.25E-05	3.85E-05	1.76E-05	1.66E-05	0.00E+00	0.00E+00	7.63E-06	1.44E-06	9.15E-06	1.41E-06	1.28E-06	2.09E-05	2.16E-05	7.94E-06	1.08E-05	4.04E-06	2.16E-05	7.94E-06
5592	477038.8	3849536	6.95E-02	7.12E-02	6.71E-02	2.41E-05	7.26E-05	4.21E-05	4.31E-05	3.90E-05	1.78E-05	1.68E-05	0.00E+00	0.00E+00	7.74E-06	1.46E-06	9.28E-06	1.43E-06	1.30E-06	2.12E-05	2.19E-05	8.05E-06	1.09E-05	4.09E-06	2.19E-05	8.05E-06
5593	477121.5	3849576	6.92E-02	7.09E-02	6.69E-02	2.40E-05	7.23E-05	4.19E-05	4.29E-05	3.89E-05	1.77E-05	1.67E-05	0.00E+00	0.00E+00	7.71E-06	1.46E-06	9.24E-06	1.42E-06	1.30E-06	2.11E-05	2.18E-05	8.01E-06	1.09E-05	4.07E-06	2.18E-05	8.01E-06
5594	477204.1	3849617	6.96E-02	7.13E-02	6.73E-02	2.41E-05	7.28E-05	4.21E-05	4.32E-05	3.91E-05	1.79E-05	1.68E-05	0.00E+00	0.00E+00	7.75E-06	1.46E-06	9.30E-06	1.43E-06	1.30E-06	2.13E-05	2.20E-05	8.06E-06	1.10E-05	4.10E-06	2.20E-05	8.06E-06
5595	477286.8	3849657	6.55E-02	6.71E-02	6.33E-02	2.27E-05	6.85E-05	3.96E-05	4.06E-05	3.68E-05	1.68E-05	1.58E-05	0.00E+00	0.00E+00	7.29E-06	1.38E-06	8.74E-06	1.35E-06	1.23E-06	2.00E-05	2.07E-05	7.58E-06	1.03E-05	3.86E-06	2.07E-05	7.58E-06
5596	477369.4	3849698	6.96E-02	7.13E-02	6.73E-02	2.41E-05	7.28E-05	4.21E-05	4.31E-05	3.91E-05	1.78E-05	1.68E-05	0.00E+00	0.00E+00	7.75E-06	1.46E-06	9.29E-06	1.43E-06	1.30E-06	2.12E-05	2.20E-05	8.06E-06	1.10E-05	4.10E-06	2.20E-05	8.06E-06
5597	477452.1	3849738	6.96E-02	7.13E-02	6.73E-02	2.41E-05	7.28E-05	4.21E-05	4.32E-05	3.91E-05	1.79E-05	1.68E-05	0.00E+00	0.00E+00	7.75E-06	1.47E-06	9.30E-06	1.43E-06	1.30E-06	2.13E-05	2.20E-05	8.06E-06	1.10E-05	4.10E-06	2.20E-05	8.06E-06
5598	477534.7	3849779	7.17E-02	7.35E-02	6.93E-02	2.48E-05	7.50E-05	4.34E-05	4.44E-05	4.03E-05	1.84E-05	1.73E-05	0.00E+00	0.00E+00	7.98E-06	1.51E-06	9.57E-06	1.48E-06	1.34E-06	2.19E-05	2.26E-05	8.30E-06	1.13E-05	4.22E-06	2.26E-05	8.30E-06
5599	477617.4	3849819	7.15E-02	7.32E-02	6.90E-02	2.47E-05	7.47E-05	4.32E-05	4.43E-05	4.01E-05	1.83E-05	1.73E-05	0.00E+00	0.00E+00	7.95E-06	1.50E-06	9.54E-06	1.47E-06	1.34E-06	2.18E-05	2.26E-05	8.27E-06	1.13E-05	4.21E-06	2.26E-05	8.27E-06
5600	477824.7	3849896	4.70E-02	4.81E-02	4.54E-02	1.63E-05	4.91E-05	2.84E-05	2.91E-05	2.64E-05	1.20E-05	1.14E-05	0.00E+00	0.00E+00	5.23E-06	9.88E-07	6.27E-06	9.67E-07	8.79E-07	1.43E-05	1.48E-05	5.44E-06	7.40E-06	2.76E-06	1.48E-05	5.44E-06
5601	477906.3	3849936	4.84E-02	4.96E-02	4.67E-02	1.67E-05	5.06E-05	2.93E-05	3.00E-05	2.72E-05	1.24E-05	1.17E-05	0.00E+00	0.00E+00	5.39E-06	1.02E-06	6.46E-06	9.96E-07	9.06E-07	1.48E-05	1.53E-05	5.60E-06	7.62E-06	2.85E-06	1.53E-05	5.60E-06
5602	477987.9	3849976	4.85E-02	4.96E-02	4.68E-02	1.68E-05	5.06E-05	2.93E-05	3.00E-05	2.72E-05	1.24E-05	1.17E-05	0.00E+00	0.00E+00	5.39E-06	1.02E-06	6.47E-06	9.97E-07	9.07E-07	1.48E-05	1.53E-05	5.61E-06	7.63E-06	2.85E-06	1.53E-05	5.61E-06
5603	478069.5	3850016	4.90E-02	5.02E-02	4.73E-02	1.70E-05	5.12E-05	2.96E-05	3.04E-05	2.75E-05	1.26E-05	1.18E-05	0.00E+00	0.00E+00	5.45E-06	1.03E-06	6.54E-06	1.01E-06	9.17E-07	1.50E-05	1.55E-05	5.67E-06	7.72E-06	2.88E-06	1.55E-05	5.67E-06
5604	478151	3850056	4.92E-02	5.04E-02	4.76E-02	1.70E-05	5.15E-05	2.98E-05	3.05E-05	2.77E-05	1.26E-05	1.19E-05	0.00E+00	0.00E+00	5.48E-06	1.04E-06	6.57E-06	1.01E-06	9.22E-07	1.50E-05	1.55E-05	5.70E-06	7.76E-06	2.90E-06	1.55E-05	5.70E-06
5605	478232.6	3850096	4.98E-02	5.10E-02	4.81E-02	1.72E-05	5.20E-05	3.01E-05	3.08E-05	2.79E-05	1.28E-05	1.20E-05	0.00E+00	0.00E+00	5.54E-06	1.05E-06	6.64E-06	1.02E-06	9.31E-07	1.52E-05	1.57E-05	5.76E-06	7.84E-06	2.93E-06	1.57E-05	5.76E-06
5606	478314.2	3850136	4.99E-02	5.11E-02	4.82E-02	1.73E-05	5.22E-05	3.02E-05	3.09E-05	2.81E-05	1.28E-05	1.21E-05	0.00E+00	0.00E+00	5.56E-06	1.05E-06	6.66E-06	1.03E-06	9.35E-07	1.52E-05	1.58E-05	5.78E-06	7.87E-06	2.94E-06	1.58E-05	5.78E-06
5607	478395.8	3850176	5.01E-02	5.13E-02	4.84E-02	1.73E-05	5.23E-05	3.03E-05	3.10E-05	2.81E-05	1.28E-05	1.21E-05	0.00E+00	0.00E+00	5.57E-06	1.05E-06	6.68E-06	1.03E-06	9.37E-07	1.53E-05	1.58E-05	5.80E-06	7.89E-06	2.95E-06	1.58E-05	5.80E-06
5608	478575.4	3850244	3.83E-02	3.92E-02	3.70E-02	1.32E-05	4.00E-05	2.32E-05	2.37E-05	2.15E-05	9.81E-06	9.25E-06	0.00E+00	0.00E+00	4.26E-06	8.05E-07	5.11E-06	7.88E-07	7.17E-07	1.17E-05	1.21E-05	4.43E-06	6.03E-06	2.25E-06	1.21E-05	4.43E-06
5609	478665.1	3850287	3.79E-02	3.88E-02	3.66E-02	1.31E-05	3.96E-05	2.29E-05	2.35E-05	2.13E-05	9.71E-06	9.16E-06	0.00E+00	0.00E+00	4.21E-06	7.96E-07	5.05E-06	7.79E-07	7.09E-07	1.16E-05	1.20E-05	4.38E-06	5.96E-06	2.23E-06	1.20E-05	4.38E-06
5610	478754.7	3850330	3.74E-02	3.83E-02	3.62E-02	1.30E-05	3.91E-05	2.26E-05	2.32E-05	2.10E-05	9.59E-06	9.05E-06	0.00E+00	0.00E+00	4.17E-06	7.87E-07	4.99E-06	7.70E-07	7.01E-07	1.14E-05	1.18E-05	4.33E-06	5.89E-06	2.20E-06	1.18E-05	4.33E-06
5611	478844.3	3850373	3.67E-02	3.76E-02	3.55E-02	1.27E-05	3.84E-05	2.22E-05	2.27E-05	2.06E-05	9.41E-06	8.87E-06	0.00E+00	0.00E+00	4.09E-06	7.72E-07	4.90E-06	7.55E-07	6.87E-07	1.12E-05	1.16E-05	4.25E-06	5.78E-06	2.16E-06	1.16E-05	4.25E-06
5612	478934	3850416	3.58E-02	3.67E-02	3.46E-02	1.24E-05	3.74E-05	2.17E-05	2.22E-05	2.01E-05	9.18E-06	8.66E-06	0.00E+00	0.00E+00	3.99E-06	7.54E-07	4.78E-06	7.37E-07	6.71E-07	1.09E-05	1.13E-05	4.15E-06	5.64E-06	2.11E-06	1.13E-05	4.15E-06
5613	479023.6	3850459	3.63E-02	3.71E-02	3.50E-02	1.26E-05	3.79E-05	2.19E-05	2.25E-05	2.04E-05	9.30E-06	8.77E-06	0.00E+00	0.00E+00	4.04E-06	7.63E-07	4.84E-06	7.47E-07	6.79E-07	1.11E-05	1.14E-05	4.20E-06	5.71E-06	2.13E-06	1.14E-05	4.20E-06
5614	479110.7	3850442	2.06E-02	2.11E-02	1.99E-02	7.12E-06	2.15E-05	1.24E-05	1.27E-05	1.16E-05	5.27E-06	4.97E-06	0.00E+00	0.00E+00	2.29E-06	4.33E-07	2.74E-06	4.23E-07	3.85E-07	6.27E-06	6.49E-06	2.38E-06	3.24E-06	1.21E-06	6.49E-06	2.38E-06
5615	479191.2	3850424	1.44E-02	1.48E-02	1.39E-02	5.00E-06	1.51E-05	8.73E-06	8.94E-06	8.11E-06	3.70E-06	3.49E-06	0.00E+00	0.00E+00	1.61E-06	3.04E-07	1.93E-06	2.97E-07	2.70E-07	4.40E-06	4.55E-06	1.67E-06	2.27E-06	8.49E-07	4.55E-06	1.67E-06
5616	479274.3	3850466	1.46E-02	1.49E-02	1.41E-02	5.05E-06	1.52E-05	8.83E-06	9.04E-06	8.19E-06	3.74E-06	3.53E-06	0.00E+00	0.00E+00	1.62E-06	3.07E-07	1.95E-06	3.00E-07	2.73E-07	4.45E-06	4.60E-06	1.69E-06	2.30E-06	8.59E-07	4.60E-06	1.69E-06
5617	479357.4	3850507	1.47E-02	1.51E-02	1.42E-02	5.10E-06	1.54E-05	8.91E-06	9.13E-06	8.27E-06	3.78E-06	3.56E-06	0.00E+00	0.00E+00	1.64E-06	3.10E-07	1.97E-06	3.03E-07	2.76E-07	4.49E-06	4.65E-06	1.71E-06	2.32E-06	8.67E-07	4.65E-06	1.71E-06

5618	479440.5	3850549	1.47E-02	1.51E-02	1.42E-02	5.09E-06	1.54E-05	8.90E-06	9.12E-06	8.26E-06	3.77E-06	3.56E-06	0.00E+00	0.00E+00	1.64E-06	3.09E-07	1.96E-06	3.03E-07	2.75E-07	4.49E-06	4.64E-06	1.70E-06	2.32E-06	8.66E-07	4.64E-06	1.70E-06
5619	479523.6	3850591	1.47E-02	1.51E-02	1.42E-02	5.10E-06	1.54E-05	8.92E-06	9.13E-06	8.28E-06	3.78E-06	3.56E-06	0.00E+00	0.00E+00	1.64E-06	3.10E-07	1.97E-06	3.03E-07	2.76E-07	4.50E-06	4.65E-06	1.71E-06	2.32E-06	8.67E-07	4.65E-06	1.71E-06
5620	479606.7	3850633	1.49E-02	1.52E-02	1.44E-02	5.14E-06	1.55E-05	8.99E-06	9.21E-06	8.35E-06	3.81E-06	3.59E-06	0.00E+00	0.00E+00	1.65E-06	3.12E-07	1.98E-06	3.06E-07	2.78E-07	4.53E-06	4.69E-06	1.72E-06	2.34E-06	8.74E-07	4.69E-06	1.72E-06
5621	479777.4	3850708	1.41E-02	1.45E-02	1.37E-02	4.89E-06	1.48E-05	8.55E-06	8.76E-06	7.94E-06	3.62E-06	3.42E-06	0.00E+00	0.00E+00	1.57E-06	2.97E-07	1.89E-06	2.91E-07	2.65E-07	4.31E-06	4.46E-06	1.64E-06	2.23E-06	8.32E-07	4.46E-06	1.64E-06
5622	479864.9	3850741	1.35E-02	1.38E-02	1.31E-02	4.68E-06	1.41E-05	8.18E-06	8.38E-06	7.59E-06	3.47E-06	3.27E-06	0.00E+00	0.00E+00	1.50E-06	2.84E-07	1.80E-06	2.78E-07	2.53E-07	4.13E-06	4.27E-06	1.56E-06	2.13E-06	7.96E-07	4.27E-06	1.56E-06
5623	479931.9	3850830	1.88E-02	1.92E-02	1.81E-02	6.49E-06	1.96E-05	1.13E-05	1.16E-05	1.05E-05	4.81E-06	4.54E-06	0.00E+00	0.00E+00	2.09E-06	3.95E-07	2.50E-06	3.86E-07	3.51E-07	5.72E-06	5.92E-06	2.17E-06	2.95E-06	1.10E-06	5.92E-06	2.17E-06
5624	479995.6	3850927	3.37E-02	3.46E-02	3.26E-02	1.17E-05	3.53E-05	2.04E-05	2.09E-05	1.90E-05	8.65E-06	8.16E-06	0.00E+00	0.00E+00	3.76E-06	7.10E-07	4.50E-06	6.95E-07	6.32E-07	1.03E-05	1.07E-05	3.91E-06	5.32E-06	1.99E-06	1.07E-05	3.91E-06
5625	480079.8	3850969	3.36E-02	3.44E-02	3.25E-02	1.16E-05	3.51E-05	2.03E-05	2.08E-05	1.89E-05	8.62E-06	8.13E-06	0.00E+00	0.00E+00	3.74E-06	7.07E-07	4.49E-06	6.92E-07	6.29E-07	1.03E-05	1.06E-05	3.89E-06	5.30E-06	1.98E-06	1.06E-05	3.89E-06
5626	480164	3851011	3.36E-02	3.44E-02	3.25E-02	1.16E-05	3.51E-05	2.03E-05	2.08E-05	1.89E-05	8.61E-06	8.13E-06	0.00E+00	0.00E+00	3.74E-06	7.07E-07	4.49E-06	6.92E-07	6.29E-07	1.03E-05	1.06E-05	3.89E-06	5.29E-06	1.98E-06	1.06E-05	3.89E-06
5627	480248.2	3851052	3.34E-02	3.42E-02	3.23E-02	1.16E-05	3.49E-05	2.02E-05	2.07E-05	1.88E-05	8.56E-06	8.07E-06	0.00E+00	0.00E+00	3.72E-06	7.02E-07	4.46E-06	6.87E-07	6.25E-07	1.02E-05	1.05E-05	3.87E-06	5.26E-06	1.97E-06	1.05E-05	3.87E-06
5628	480332.5	3851094	3.37E-02	3.45E-02	3.25E-02	1.17E-05	3.52E-05	2.04E-05	2.09E-05	1.89E-05	8.63E-06	8.14E-06	0.00E+00	0.00E+00	3.75E-06	7.09E-07	4.50E-06	6.93E-07	6.31E-07	1.03E-05	1.06E-05	3.90E-06	5.31E-06	1.98E-06	1.06E-05	3.90E-06
5629	480416.7	3851136	3.43E-02	3.52E-02	3.32E-02	1.19E-05	3.59E-05	2.08E-05	2.13E-05	1.93E-05	8.80E-06	8.30E-06	0.00E+00	0.00E+00	3.82E-06	7.22E-07	4.58E-06	7.06E-07	6.43E-07	1.05E-05	1.08E-05	3.97E-06	5.41E-06	2.02E-06	1.08E-05	3.97E-06
5630	480580	3851215	3.38E-02	3.46E-02	3.27E-02	1.17E-05	3.53E-05	2.05E-05	2.10E-05	1.90E-05	8.67E-06	8.18E-06	0.00E+00	0.00E+00	3.76E-06	7.11E-07	4.51E-06	6.96E-07	6.33E-07	1.03E-05	1.07E-05	3.91E-06	5.33E-06	1.99E-06	1.07E-05	3.91E-06
5631	480659	3851252	3.31E-02	3.39E-02	3.19E-02	1.14E-05	3.46E-05	2.00E-05	2.05E-05	1.86E-05	8.48E-06	8.00E-06	0.00E+00	0.00E+00	3.68E-06	6.96E-07	4.41E-06	6.81E-07	6.19E-07	1.01E-05	1.04E-05	3.83E-06	5.21E-06	1.95E-06	1.04E-05	3.83E-06
5632	480817.4	3851328	3.22E-02	3.29E-02	3.11E-02	1.11E-05	3.36E-05	1.95E-05	1.99E-05	1.81E-05	8.25E-06	7.78E-06	0.00E+00	0.00E+00	3.58E-06	6.77E-07	4.29E-06	6.62E-07	6.02E-07	9.81E-06	1.02E-05	3.72E-06	5.07E-06	1.89E-06	1.02E-05	3.72E-06
5633	480896.7	3851366	3.19E-02	3.27E-02	3.08E-02	1.10E-05	3.34E-05	1.93E-05	1.98E-05	1.79E-05	8.18E-06	7.72E-06	0.00E+00	0.00E+00	3.55E-06	6.71E-07	4.26E-06	6.57E-07	5.98E-07	9.74E-06	1.01E-05	3.69E-06	5.03E-06	1.88E-06	1.01E-05	3.69E-06
5634	480976.1	3851405	3.17E-02	3.24E-02	3.06E-02	1.10E-05	3.31E-05	1.92E-05	1.96E-05	1.78E-05	8.11E-06	7.65E-06	0.00E+00	0.00E+00	3.52E-06	6.66E-07	4.22E-06	6.51E-07	5.93E-07	9.66E-06	9.99E-06	3.66E-06	4.99E-06	1.86E-06	9.99E-06	3.66E-06
5635	481178	3851487	2.55E-02	2.61E-02	2.46E-02	8.82E-06	2.66E-05	1.54E-05	1.58E-05	1.43E-05	6.53E-06	6.16E-06	0.00E+00	0.00E+00	2.84E-06	5.36E-07	3.40E-06	5.24E-07	4.77E-07	7.77E-06	8.04E-06	2.95E-06	4.01E-06	1.50E-06	8.04E-06	2.95E-06
5636	481244.9	3851557	3.18E-02	3.26E-02	3.07E-02	1.10E-05	3.32E-05	1.92E-05	1.97E-05	1.79E-05	8.15E-06	7.68E-06	0.00E+00	0.00E+00	3.54E-06	6.69E-07	4.24E-06	6.54E-07	5.95E-07	9.70E-06	1.00E-05	3.68E-06	5.01E-06	1.87E-06	1.00E-05	3.68E-06
5637	481311.8	3851627	3.65E-02	3.74E-02	3.52E-02	1.26E-05	3.81E-05	2.21E-05	2.26E-05	2.05E-05	9.35E-06	8.82E-06	0.00E+00	0.00E+00	4.06E-06	7.67E-07	4.87E-06	7.51E-07	6.83E-07	1.11E-05	1.15E-05	4.22E-06	5.75E-06	2.15E-06	1.15E-05	4.22E-06
5638	481378.7	3851697	3.51E-02	3.59E-02	3.39E-02	1.21E-05	3.67E-05	2.12E-05	2.17E-05	1.97E-05	8.99E-06	8.48E-06	0.00E+00	0.00E+00	3.91E-06	7.38E-07	4.68E-06	7.22E-07	6.57E-07	1.07E-05	1.11E-05	4.06E-06	5.53E-06	2.07E-06	1.11E-05	4.06E-06
5639	481445.6	3851767	3.47E-02	3.55E-02	3.35E-02	1.20E-05	3.62E-05	2.10E-05	2.15E-05	1.95E-05	8.89E-06	8.38E-06	0.00E+00	0.00E+00	3.86E-06	7.29E-07	4.63E-06	7.14E-07	6.49E-07	1.06E-05	1.09E-05	4.01E-06	5.46E-06	2.04E-06	1.09E-05	4.01E-06
5640	481512.5	3851837	3.46E-02	3.55E-02	3.35E-02	1.20E-05	3.62E-05	2.10E-05	2.15E-05	1.95E-05	8.88E-06	8.37E-06	0.00E+00	0.00E+00	3.86E-06	7.29E-07	4.62E-06	7.13E-07	6.48E-07	1.06E-05	1.09E-05	4.01E-06	5.46E-06	2.04E-06	1.09E-05	4.01E-06
5641	481579.4	3851906	3.44E-02	3.52E-02	3.32E-02	1.19E-05	3.60E-05	2.08E-05	2.13E-05	1.93E-05	8.82E-06	8.32E-06	0.00E+00	0.00E+00	3.83E-06	7.24E-07	4.59E-06	7.08E-07	6.44E-07	1.05E-05	1.09E-05	3.98E-06	5.42E-06	2.03E-06	1.09E-05	3.98E-06
5642	481646.3	3851976	3.47E-02	3.55E-02	3.35E-02	1.20E-05	3.63E-05	2.10E-05	2.15E-05	1.95E-05	8.90E-06	8.39E-06	0.00E+00	0.00E+00	3.86E-06	7.30E-07	4.63E-06	7.14E-07	6.50E-07	1.06E-05	1.10E-05	4.02E-06	5.47E-06	2.04E-06	1.10E-05	4.02E-06
5643	481713.2	3852046	3.45E-02	3.53E-02	3.33E-02	1.19E-05	3.60E-05	2.09E-05	2.14E-05	1.94E-05	8.83E-06	8.33E-06	0.00E+00	0.00E+00	3.84E-06	7.25E-07	4.60E-06	7.09E-07	6.45E-07	1.05E-05	1.09E-05	3.99E-06	5.43E-06	2.03E-06	1.09E-05	3.99E-06
5644	481780.1	3852116	3.48E-02	3.56E-02	3.36E-02	1.20E-05	3.63E-05	2.10E-05	2.15E-05	1.95E-05	8.91E-06	8.40E-06	0.00E+00	0.00E+00	3.87E-06	7.31E-07	4.64E-06	7.15E-07	6.51E-07	1.06E-05	1.10E-05	4.02E-06	5.47E-06	2.05E-06	1.10E-05	4.02E-06
5645	481847	3852186	3.52E-02	3.61E-02	3.40E-02	1.22E-05	3.68E-05	2.13E-05	2.18E-05	1.98E-05	9.03E-06	8.52E-06	0.00E+00	0.00E+00	3.92E-06	7.41E-07	4.70E-06	7.25E-07	6.60E-07	1.08E-05	1.11E-05	4.08E-06	5.55E-06	2.07E-06	1.11E-05	4.08E-06
5646	481913.9	3852256	3.55E-02	3.64E-02	3.43E-02	1.23E-05	3.71E-05	2.15E-05	2.20E-05	1.99E-05	9.10E-06	8.58E-06	0.00E+00	0.00E+00	3.95E-06	7.47E-07	4.74E-06	7.31E-07	6.65E-07	1.08E-05	1.12E-05	4.11E-06	5.59E-06	2.09E-06	1.12E-05	4.11E-06
5647	481980.8	3852326	3.59E-02	3.68E-02	3.47E-02	1.24E-05	3.75E-05	2.17E-05	2.23E-05	2.02E-05	9.21E-06	8.69E-06	0.00E+00	0.00E+00	4.00E-06	7.56E-07	4.79E-06	7.39E-07	6.73E-07	1.10E-05	1.13E-05	4.16E-06	5.66E-06	2.11E-06	1.13E-05	4.16E-06
5648	482047.7	3852396	3.60E-02	3.69E-02	3.48E-02	1.25E-05	3.76E-05	2.18E-05	2.23E-05	2.02E-05	9.23E-06	8.71E-06	0.00E+00	0.00E+00	4.01E-06	7.57E-07	4.81E-06	7.41E-07	6.74E-07	1.10E-05	1.14E-05	4.17E-06	5.67E-06	2.12E-06	1.14E-05	4.17E-06
5649	482114.6	3852465	3.60E-02	3.69E-02	3.48E-02	1.25E-05	3.77E-05	2.18E-05	2.23E-05	2.02E-05	9.24E-06	8.71E-06	0.00E+00	0.00E+00	4.01E-06	7.58E-07	4.81E-06	7.42E-07	6.75E-07	1.10E-05	1.14E-05	4.17E-06	5.68E-06	2.12E-06	1.14E-05	4.17E-06
5650	482181.5	3852535	3.65E-02	3.74E-02	3.53E-02	1.26E-05	3.82E-05	2.21E-05	2.26E-05	2.05E-05	9.37E-06	8.83E-06	0.00E+00	0.00E+00	4.07E-06	7.69E-07	4.88E-06	7.52E-07	6.84E-07	1.11E-05	1.15E-05	4.23E-06	5.76E-06	2.15E-06	1.15E-05	4.23E-06
5651	482338.7	3852700	3.74E-02	3.83E-02	3.61E-02	1.29E-05	3.91E-05	2.26E-05	2.32E-05	2.10E-05	9.58E-06	9.03E-06	0.00E+00	0.00E+00	4.16E-06	7.86E-07	4.99E-06	7.69E-07	7.00E-07	1.14E-05	1.18E-05	4.33E-06	5.89E-06	2.20E-06	1.18E-05	4.33E-06
5652	482404.1	3852768	3.71E-02	3.80E-02	3.58E-02	1.28E-05	3.88E-05	2.24E-05	2.30E-05	2.08E-05	9.51E-06	8.97E-06	0.00E+00	0.00E+00	4.13E-06	7.80E-07	4.95E-06	7.63E-07	6.94E-07	1.13E-05	1.17E-05	4.29E-06	5.84E-06	2.18E-06	1.17E-05	4.29E-06
5653	482469.4	3852836	3.73E-02	3.82E-02	3.61E-02	1.29E-05	3.90E-05	2.26E-05	2.31E-05	2.10E-05	9.57E-06	9.02E-06	0.00E+00	0.00E+00	4.15E-06	7.85E-07	4.98E-06	7.68E-07	6.99E-07	1.14E-05	1.18E-05	4.32E-06	5.88E-06	2.20E-06	1.18E-05	4.32E-06
5654	482534.8	3852903	3.73E-02	3.82E-02	3.60E-02	1.29E-05	3.90E-05	2.26E-05	2.31E-05	2.10E-05	9.56E-06	9.02E-06	0.00E+00	0.00E+00	4.15E-06	7.85E-07	4.98E-06	7.68E-07	6.98E-07	1.14E-05	1.18E-05	4.32E-06	5.88E-06	2.20E-06	1.18E-05	4.32E-06
5655	482600.1	3852971	3.64E-02	3.73E-02	3.52E-02	1.26E-05	3.80E-05	2.20E-05	2.26E-05	2.04E-05	9.33E-06	8.80E-06	0.00E+00	0.00E+00	4.05E-06	7.66E-07	4.86E-06	7.49E-07	6.81E-07	1.11E-05	1.15E-05	4.21E-06	5.73E-06	2.14E-06	1.15E-05	4.21E-06
5656	482706.7	3853119	2.95E-02	3.02E-02	2.85E-02	1.02E-05	3.08E-05	1.78E-05	1.83E-05	1.66E-05	7.55E-06	7.13E-06	0.00E+00	0.00E+00	3.28E-06	6.20E-07	3.93E-06	6.07E-07	5.52E-07	8.99E-06	9.30E-06	3.41E-06	4.64E-06	1.73E-06	9.30E-06	3.41E-06
5657	482748	3853200	2.99E-02	3.06E-02	2.89E-02	1.04E-05	3.13E-05	1.81E-05	1.85E-05	1.68E-05	7.67E-06	7.23E-06	0.00E+00	0.00E+00	3.33E-06	6.29E-07	3.99E-06	6.16E-07	5.60E-07	9.13E-06	9.44E-06	3.46E-06	4.71E-06	1.76E-06	9.44E-06	3.46E-06
5658	482789.2	3853280	2.82E-02	2.89E-02	2.73E-02	9.77E-06	2.95E-05	1.71E-05	1.75E-05	1.59E-05	7.24E-06	6.83E-06	0.00E+00	0.00E+00	3.14E-06	5.94E-07	3.77E-06	5.81E-07	5.29E-07	8.62E-06	8.91E-06	3.27E-06	4.45E-06	1.66E-06	8.91E-06	3.27E-06
5659	482830.5	3853361	2.38E-02	2.44E-02	2.30E-02	8.24E-06	2.49E-05	1.44E-05	1.48E-05	1.34E-05	6.10E-06	5.76E-06	0.00E+00	0.00E+00	2.65E-06	5.01E-07	3.18E-06	4.90E-07	4.46E-07	7.27E-06	7.52E-06	2.76E-06	3.75E-06	1.40E-06	7.52E-06	2.76E-06
5660	482871.7	3853442	2.04E-02	2.09E-02	1.98E-02	7.08E-06	2.14E-05	1.24E-05	1.27E-05	1.15E-05	5.24E-06	4.94E-06	0.00E+00	0.00E+00	2.28E-06	4.30E-07	2.73E-06	4.21E-07	3.83E-07	6.24E-06	6.45E-06	2.37E-06	3.22E-06	1.20E-06	6.45E-06	2.37E-06
5661	482913	3853522	1.78E-02	1.83E-02	1.72E-02	6.18E-06	1.86E-05	1.08E-05	1.11E-05	1.00E-05	4.57E-06	4.31E-06	0.00E+00	0.00E+00	1.99E-06	3.75E-07	2.38E-06	3.67E-07	3.34E-07	5.44E-06	5.63E-06	2.07E-06	2.81E-06	1.05E-06	5.63E-06	2.07E-06
5662	482954.2	3853603	1.47E-02	1.50E-02	1.42E-02	5.08E-06	1.53E-05	8.88E-06	9.10E-06	8.25E-06	3.76E-06	3.55E-06	0.00E+00	0.00E+00	1.63E-06	3.09E-07	1.96E-06	3.02E-07	2.75E-07	4.48E-06	4.63E-06	1.70E-06	2.31E-06	8.64E-07	4.63E-06	1.70E-06
5663	482995.5	3853683	1.23E-02	1.26E-02	1.19E-02	4.25E-06	1.28E-05	7.43E-06	7.61E-06	6.90E-06	3.15E-06	2.97E-06	0.00E+00	0.00E+00	1.37E-06	2.58E-07	1.64E-06	2.53E-07	2.30E-07	3.75E-06	3.88E-06	1.42E-06	1.93E-06	7.23E-07	3.88E-06	1.42E-06
5664	483036.7	3853764	1.05E-02	1.08E-02	1.02E-02	3.65E-06	1.10E-05	6.38E-06	6.53E-06	5.92E-06	2.70E-06	2.55E-06	0.00E+00	0.00E+00	1.17E-06	2.22E-07	1.41E-06	2.17E-07	1.97E-07	3.22E-06	3.33E-06	1.22E-06	1.66E-06	6.20E-07	3.33E-06	1.22E-06
5665	483214.2	3853910	5.92E-03	6.06E-03	5.72E-03	2.05E-06	6.19E-06	3.58E-06	3.67E-06	3.33E-06	1.52E-06	1.43E-06	0.00E+00	0.00E+00	6.59E-07	1.25E-07	7.90E-07	1.22E-07	1.11E-07	1.81E-06	1.87E-06	6.85E-07	9.33E-07	3.49E-07	1.87E-06	6.85E-07
5666	483307	3853910	4.93E-03	5.05E-03	4.76E-03	1.71E-06	5.15E-06	2.98E-06	3.05E-06	2.77E-06	1.26E-06	1.19E-06	0.00E+00	0.00E+00	5.48E-07	1.04E-07	6.58E-07	1.01E-07	9.22E-08	1.50E-06	1.55E-06	5.70E-07	7.76E-07	2.90E-07	1.55E-06	5.70E-07
5667	483399.8	3853911	4.19E-03	4.29E-03	4.05E-03	1.45E-06	4.38E-06	2.54E-06	2.60E-06	2.35E-06	1.07E-06	1.01E-06	0.00E+00	0.00E+00	4.67E-07	8.82E-08	5.59E-07	8.63E-08	7.85E-08	1.28E-06	1.32E-06	4.85E-07	6.60E-07	2.47E-07	1.32E-06	4.85E-07
5668	483494.5	3854009	3.76E-03	3.85E-03	3.63E-03	1.30E-06	3.93E-06	2.28E-06	2.33E-06	2.11E-06	9.64E-07	9.09E-07	0.00E+00	0.00E+00	4.19E-07	7.91E-08	5.02E-07	7.74E-08	7.04E-08	1.15E-06	1.19E-06	4.35E-07	5.92E-07	2.21E-07	1.19E-06	4.35E-07
5669	483496.4	3854107	3.85E-03	3.94E-03	3.72E-03	1.33E-06	4.02E-06	2.33E-06	2.38E-06	2.16E-06	9.86E-07	9.30E-07	0.00E+00	0.00E+00	4.28E-07	8.09E-08	5.14E-07	7.92E-08	7.20E-08	1.17E-06	1.21E-06	4.45E-07	6.06E-07	2.27E-07	1.21E-06	4.45E-07
5670	483577.6	3854262	3.45E-03	3.54E-03	3.34E-03	1.20E-06	3.61E-06	2.09E-06	2.14E-06	1.94E-06	8.85E-07	8.35E-07	0.00E+00	0.00E+00	3.84E-07	7.26E-08	4.61E-07	7.11E-08	6.47E-08	1.05E-06	1.09E-06	4.00E-07	5.44E-07	2.03E-07	1.09E-06	4.00E-07
5671	483656.8	3854319	3.11E-03	3.19E-03	3.01E-03	1.08E-06	3.25E-06	1.88E-06	1.93E-06	1.75E-06	7.97E-07	7.52E-07	0.00E+00	0.00E+00	3.46E-07	6.54E-08	4.15E-07	6.40E-08	5.82E-08	9.49E-07	9.82E-07	3.60E-07	4.90E-07	1.83E-07	9.82E-07	3.60E-07
5672	483736.1	3854376	2.83E-03	2.90E-03	2.74E-03	9.80E-07	2.96E-06	1.71E-06	1.76E-06	1.59E-06	7.26E-07	6.85E-07	0.00E+00	0.00E+00	3.15E-07	5.96E-08	3.78E-07	5.83E-08	5.30E-08	8.64E-07	8.94E-07	3.28E-07	4.46E-07	1.67E-07	8.94E-07	3.28E-07
5673	483815.4	3854434	2.61E-03	2.68E-03	2.52E-03	9.04E-07	2.73E-06	1.58E-06	1.62E-06	1.47E-06	6.70E-07	6.32E-07	0.00E+00	0.00E+00	2.91E-07	5.50E-08	3.49E-07	5.38E-08	4.89E-08	7.97E-07	8.24E-07	3.02E-07	4.12E-07	1.54E-07	8.24E-07	3.02E-07
5674	483894.6	3854491	2.43E-03	2.49E-03	2.35E-03	8.41E-07	2.54E-06	1.47E-06	1.51E-06	1.36E-06	6.23E-07	5.87E-07	0.00E+00	0.00E+00	2.70E-07	5.11E-08	3.24E-07	5.00E-08	4.55E-08	7.41E-07	7.67E-07	2.81E-07	3.83E-07	1.43E-07	7.67E-07	2.81E-07
5675	483973.9	3854548	2.29E-03	2.34E-03	2.21E-03	7.92E-07	2.39E-06	1.38E-06	1.42E-06	1.29E-06	5.86E-07	5.53E-07	0.00E+00	0.00E+00	2.55E-07	4.81E-08	3.05E-07	4.71E-08	4.28E-08	6.98E-07	7.22E-07	2.65E-07	3.60E-07	1.35E-07	7.22E-07	2.65E-07
5676	484053.2	3854605	2.20E-03	2.26E-03	2.13E-03	7.62E-07	2.30E-06	1.33E-06	1.36E-06	1.24E-06	5.64E-07	5.32E-07	0.00E+00	0.00E+00	2.45E-07	4.63E-08	2.94E-07	4.53E-08	4.12E-08	6.72E-07	6.95E-07	2.55E-07	3.47E-07	1.30E-07	6.95E-07	2.55E-07
5677	484215	3854698	2.06E-03	2.11E-03	1.99E-03	7.15E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	4.99E-07	0.00E+00	0.00E+00	2.30E-07	4.34E-08	2.76E-07	4.25E-08	3.87E-08	6.30E-07	6.52E-07	2.39E-07	3.25E-07	1.22E-07	6.52E-07	2.39E-07
5678	484297.5	3854734	2.04E-03	2.09E-03	1.97E-03	7.07E-07	2.13E-06	1.24E-06	1.26E-06	1.15E-06	5.23E-07	4.94E-07	0.00E+00	0.00E+00	2.27E-07	4.29E-08	2.72E-07	4.20E-08	3.82E-08	6.23E-07	6.44E-07	2.36E-07	3.22E-07	1.20E-07	6.44E-07	2.36E-07
5679	484380	3854769	1.99E-03	2.04E-03	1.92E-03	6.88E-07	2.08E-06	1.20E-06	1.23E-06	1.12E-06	5.10E-07	4.81E-07	0.00E+00	0.00E+00	2.21E-07	4.18E-08	2.65E-07	4.09E-08	3.72E-08	6.07E-07	6.27E-07	2.30E-07	3.13E-07	1.17E-07	6.27E-07	2.30E-07
5680	484462.6	3854805	1.97E-03	2.02E-03	1.91E-03	6.84E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	5.06E-07	4.77E-07	0.00E+00	0.00E+00	2.20E-07	4.15E-08	2.64E-07	4.06E-08	3.70E-08	6.03E-07	6.23E-07	2.29E-07	3.11E-07	1.16E-07	6.23E-07	2.29E-07
5681	484545.1	3854841	1.92E-03	1.97E-03	1.86E-03	6.66E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.93E-07	4.65E-07	0.00E+00	0.00E+00	2.14E-07	4.05E-08	2.57E-07	3.96E-08	3.60E-08	5.87E-07	6.07E-07	2.23E-07	3.03E-07	1.13E-07	6.07E-07	2.23E-07
5682	484691.9	3854913	1.93E-03	1.97E-03	1.86E-03	6.67E-07	2.01E-06	1.17E-06	1.19E-06	1.08E-06	4.94E-07	4.66E-07	0.00E+00	0.00E+00	2.14E-07	4.05E-08	2.57E-07	3.96E-08	3.61E-08	5.88E-07	6.08E-07	2.23E-07	3.03E-07	1.13E-07	6.08E-07	2.23E-07
5683	484830.8	3855013	1.95E-03	2.00E-03	1.89E-03	6.76E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.01E-07	4.72E-07	0.00E+00	0.00E+00	2.18E-07	4.11E-08	2.61E-07	4.02E-08	3.66E-08	5.96E-07	6.17E-07	2.26E-07	3.08E-07	1.15E-07	6.17E-07	2.26E-07
5684	484905.5	3855076	2.03E-03	2.08E-03	1.96E-03	7.02E-07	2.12E-06	1.23E-06	1.26E-06	1.14E-06	5.20E-07	4.91E-07	0.00E+00	0.00E+00	2.26E-07	4.27E-08	2.71E-07	4.18E-08	3.80E-08	6.19E-07	6.40E-07	2.35E-07	3.20E-07	1.19E-07	6.40E-07	2.35E-07
5685	484980.1	3855139	2.07E-03	2.12E-03	2.00E-03	7.17E-07	2.17E-06	1.25E-06	1.28E-06	1.16E-06	5.31E-07	5.01E-07	0.00E+00	0.00E+00	2.31E-07	4.36E-08	2.77E-07	4.27E-08	3.88E-08	6.32E-07	6.54E-07	2.40E-07	3.26E-07	1.22E-07	6.54E-07	2.40E-07
5686	485054.8	3855203	2.09E-03	2.14E-03	2.02E-03	7.22E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.35E-07	5.05E-07	0.00E+00	0.00E+00	2.32E-07	4.39E-08	2.79E-07	4.30E-08	3.91E-08	6.37E-07	6.59E-07	2.42E-07	3.29E-07	1.23E-07	6.59E-07	2.42E-07
5687	485129.5	3855266	2.06E-03	2.11E-03	1.99E-03	7.14E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	4.99E-07	0.00E+00	0.00E+00	2.30E-07	4.34E-08	2.75E-07	4.25E-08	3.86E-08	6.30E-07	6.51E-07	2.39E-07	3.25E-07	1.21E-07	6.51E-07	2.39E-07
5688	485204.2	3855330	2.11E-03	2.16E-03	2.04E-03	7.31E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.41E-07	5.11E-07	0.00E+00	0.00E+00	2.35E-07	4.44E-08	2.82E-07	4.35E-08	3.95E-08	6.44E-07	6.67E-07	2.44E-07	3.33E-07	1.24E-07	6.67E-07	2.44E-07
5689	485278.8	3855393	2.12E-03	2.17E-03	2.05E-03	7.34E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.44E-07	5.13E-07	0.00E+00	0.00E+00	2.36E-07	4.46E-08	2.83E-07	4.37E-08	3.97E-08	6.47E-07	6.69E-07	2.46E-07	3.34E-07	1.25E-07	6.69E-07	2.46E-07
5690	485353.5	3855457	2.15E-03	2.20E-03	2.08E-03	7.45E-07	2.25E-06	1.30E-06	1.33E-06	1.21E-06	5.52E-07	5.20E-07	0.00E+00	0.00E+00	2.40E-07	4.53E-08	2.87E-07	4.43E-08	4.03E-08	6.57E-07	6.79E-07	2.49E-07	3.39E-07	1.27E-07	6.79E-07	2.49E-07
5691	485428.2	3855520	2.16E-03	2.21E-03	2.09E-03	7.48E-07	2.26E-06	1.31E-06	1.34E-06	1.21E-06	5.54E-07	5.22E-07	0.00E+00	0.00E+00	2.41E-07	4.55E-08	2.88E-07	4.45E-08	4.05E-08	6.59E-07	6.82E-07	2.50E-07	3.40E-07	1.27E-07	6.82E-07	2.50E-07

5692	485502.8	3855584	2.18E-03	2.23E-03	2.10E-03	7.53E-07	2.27E-06	1.32E-06	1.35E-06	1.22E-06	5.58E-07	5.26E-07	0.00E+00	0.00E+00	2.42E-07	4.58E-08	2.90E-07	4.48E-08	4.07E-08	6.64E-07	6.87E-07	2.52E-07	3.43E-07	1.28E-07	6.87E-07	2.52E-07
5693	485577.5	3855647	2.22E-03	2.28E-03	2.15E-03	7.69E-07	2.32E-06	1.34E-06	1.38E-06	1.25E-06	5.70E-07	5.37E-07	0.00E+00	0.00E+00	2.47E-07	4.68E-08	2.97E-07	4.58E-08	4.16E-08	6.78E-07	7.02E-07	2.57E-07	3.50E-07	1.31E-07	7.02E-07	2.57E-07
5694	485652.2	3855711	2.27E-03	2.32E-03	2.19E-03	7.86E-07	2.37E-06	1.37E-06	1.41E-06	1.28E-06	5.82E-07	5.49E-07	0.00E+00	0.00E+00	2.53E-07	4.77E-08	3.03E-07	4.67E-08	4.25E-08	6.93E-07	7.16E-07	2.63E-07	3.58E-07	1.34E-07	7.16E-07	2.63E-07
5695	485726.8	3855774	2.28E-03	2.34E-03	2.21E-03	7.90E-07	2.39E-06	1.38E-06	1.41E-06	1.28E-06	5.85E-07	5.52E-07	0.00E+00	0.00E+00	2.54E-07	4.80E-08	3.05E-07	4.70E-08	4.27E-08	6.97E-07	7.21E-07	2.64E-07	3.60E-07	1.34E-07	7.21E-07	2.64E-07
5696	485801.5	3855838	2.28E-03	2.33E-03	2.20E-03	7.89E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.84E-07	5.51E-07	0.00E+00	0.00E+00	2.54E-07	4.79E-08	3.04E-07	4.69E-08	4.27E-08	6.95E-07	7.19E-07	2.64E-07	3.59E-07	1.34E-07	7.19E-07	2.64E-07
5697	485876.2	3855901	2.29E-03	2.34E-03	2.21E-03	7.92E-07	2.39E-06	1.39E-06	1.42E-06	1.29E-06	5.87E-07	5.53E-07	0.00E+00	0.00E+00	2.55E-07	4.82E-08	3.06E-07	4.71E-08	4.29E-08	6.98E-07	7.22E-07	2.65E-07	3.61E-07	1.35E-07	7.22E-07	2.65E-07
5698	485950.8	3855965	2.29E-03	2.34E-03	2.21E-03	7.91E-07	2.39E-06	1.38E-06	1.42E-06	1.28E-06	5.86E-07	5.53E-07	0.00E+00	0.00E+00	2.54E-07	4.81E-08	3.05E-07	4.71E-08	4.28E-08	6.98E-07	7.22E-07	2.65E-07	3.60E-07	1.35E-07	7.22E-07	2.65E-07
5699	486025.5	3856028	2.26E-03	2.32E-03	2.19E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.80E-07	5.47E-07	0.00E+00	0.00E+00	2.52E-07	4.76E-08	3.02E-07	4.66E-08	4.24E-08	6.90E-07	7.14E-07	2.62E-07	3.56E-07	1.33E-07	7.14E-07	2.62E-07
5700	486100.2	3856091	2.32E-03	2.38E-03	2.24E-03	8.04E-07	2.43E-06	1.40E-06	1.44E-06	1.30E-06	5.95E-07	5.61E-07	0.00E+00	0.00E+00	2.58E-07	4.88E-08	3.10E-07	4.78E-08	4.35E-08	7.08E-07	7.33E-07	2.69E-07	3.66E-07	1.37E-07	7.33E-07	2.69E-07
5701	486174.8	3856155	2.29E-03	2.34E-03	2.21E-03	7.92E-07	2.39E-06	1.38E-06	1.42E-06	1.29E-06	5.86E-07	5.53E-07	0.00E+00	0.00E+00	2.55E-07	4.81E-08	3.05E-07	4.71E-08	4.28E-08	6.98E-07	7.22E-07	2.65E-07	3.60E-07	1.35E-07	7.22E-07	2.65E-07
5702	486249.5	3856218	2.21E-03	2.26E-03	2.13E-03	7.64E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.66E-07	5.34E-07	0.00E+00	0.00E+00	2.46E-07	4.64E-08	2.95E-07	4.54E-08	4.13E-08	6.74E-07	6.97E-07	2.56E-07	3.48E-07	1.30E-07	6.97E-07	2.56E-07
5703	486324.2	3856282	2.15E-03	2.21E-03	2.08E-03	7.46E-07	2.25E-06	1.30E-06	1.34E-06	1.21E-06	5.52E-07	5.21E-07	0.00E+00	0.00E+00	2.40E-07	4.53E-08	2.88E-07	4.44E-08	4.03E-08	6.57E-07	6.80E-07	2.49E-07	3.39E-07	1.27E-07	6.80E-07	2.49E-07
5704	486398.8	3856345	2.18E-03	2.23E-03	2.11E-03	7.55E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.59E-07	5.27E-07	0.00E+00	0.00E+00	2.43E-07	4.59E-08	2.91E-07	4.49E-08	4.08E-08	6.65E-07	6.88E-07	2.52E-07	3.43E-07	1.28E-07	6.88E-07	2.52E-07
5705	486473.5	3856409	2.18E-03	2.24E-03	2.11E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.23E-06	5.60E-07	5.28E-07	0.00E+00	0.00E+00	2.43E-07	4.59E-08	2.92E-07	4.50E-08	4.09E-08	6.67E-07	6.89E-07	2.53E-07	3.44E-07	1.29E-07	6.89E-07	2.53E-07
5706	486548.2	3856472	2.21E-03	2.27E-03	2.14E-03	7.66E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.35E-07	0.00E+00	0.00E+00	2.46E-07	4.66E-08	2.95E-07	4.56E-08	4.14E-08	6.76E-07	6.99E-07	2.56E-07	3.49E-07	1.30E-07	6.99E-07	2.56E-07
5707	486622.8	3856536	2.25E-03	2.30E-03	2.17E-03	7.78E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.76E-07	5.43E-07	0.00E+00	0.00E+00	2.50E-07	4.73E-08	3.00E-07	4.62E-08	4.21E-08	6.85E-07	7.09E-07	2.60E-07	3.54E-07	1.32E-07	7.09E-07	2.60E-07
5708	486765.5	3856660	2.34E-03	2.39E-03	2.26E-03	8.09E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.99E-07	5.65E-07	0.00E+00	0.00E+00	2.60E-07	4.91E-08	3.12E-07	4.81E-08	4.37E-08	7.13E-07	7.37E-07	2.70E-07	3.68E-07	1.38E-07	7.37E-07	2.70E-07
5709	486833.4	3856720	2.37E-03	2.43E-03	2.29E-03	8.22E-07	2.48E-06	1.44E-06	1.47E-06	1.33E-06	6.08E-07	5.74E-07	0.00E+00	0.00E+00	2.64E-07	4.99E-08	3.17E-07	4.88E-08	4.44E-08	7.24E-07	7.49E-07	2.75E-07	3.74E-07	1.40E-07	7.49E-07	2.75E-07
5710	486901.4	3856781	2.42E-03	2.48E-03	2.34E-03	8.39E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.21E-07	5.86E-07	0.00E+00	0.00E+00	2.70E-07	5.10E-08	3.23E-07	4.99E-08	4.54E-08	7.39E-07	7.65E-07	2.81E-07	3.82E-07	1.43E-07	7.65E-07	2.81E-07
5711	486969.4	3856841	2.47E-03	2.53E-03	2.38E-03	8.54E-07	2.58E-06	1.49E-06	1.53E-06	1.39E-06	6.33E-07	5.97E-07	0.00E+00	0.00E+00	2.75E-07	5.19E-08	3.29E-07	5.08E-08	4.62E-08	7.53E-07	7.79E-07	2.86E-07	3.89E-07	1.45E-07	7.79E-07	2.86E-07
5712	487037.3	3856902	2.51E-03	2.57E-03	2.43E-03	8.70E-07	2.63E-06	1.52E-06	1.56E-06	1.41E-06	6.44E-07	6.07E-07	0.00E+00	0.00E+00	2.80E-07	5.28E-08	3.35E-07	5.17E-08	4.70E-08	7.66E-07	7.93E-07	2.91E-07	3.96E-07	1.48E-07	7.93E-07	2.91E-07
5713	487271.2	3856856	2.22E-03	2.28E-03	2.15E-03	7.70E-07	2.32E-06	1.35E-06	1.38E-06	1.25E-06	5.70E-07	5.38E-07	0.00E+00	0.00E+00	2.48E-07	4.68E-08	2.97E-07	4.58E-08	4.16E-08	6.79E-07	7.02E-07	2.57E-07	3.50E-07	1.31E-07	7.02E-07	2.57E-07
5714	487369	3856857	2.15E-03	2.21E-03	2.08E-03	7.45E-07	2.25E-06	1.30E-06	1.33E-06	1.21E-06	5.52E-07	5.21E-07	0.00E+00	0.00E+00	2.40E-07	4.53E-08	2.87E-07	4.43E-08	4.03E-08	6.57E-07	6.80E-07	2.49E-07	3.39E-07	1.27E-07	6.80E-07	2.49E-07
5715	487466.7	3856859	2.10E-03	2.15E-03	2.02E-03	7.25E-07	2.19E-06	1.27E-06	1.30E-06	1.18E-06	5.37E-07	5.07E-07	0.00E+00	0.00E+00	2.33E-07	4.41E-08	2.80E-07	4.31E-08	3.92E-08	6.39E-07	6.61E-07	2.43E-07	3.30E-07	1.23E-07	6.61E-07	2.43E-07
5716	487636.4	3856930	2.08E-03	2.13E-03	2.01E-03	7.19E-07	2.17E-06	1.26E-06	1.29E-06	1.17E-06	5.32E-07	5.02E-07	0.00E+00	0.00E+00	2.31E-07	4.37E-08	2.77E-07	4.27E-08	3.89E-08	6.34E-07	6.55E-07	2.40E-07	3.27E-07	1.22E-07	6.55E-07	2.40E-07
5717	487709.6	3856928	2.04E-03	2.08E-03	1.97E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.22E-07	4.92E-07	0.00E+00	0.00E+00	2.27E-07	4.28E-08	2.72E-07	4.19E-08	3.81E-08	6.21E-07	6.42E-07	2.36E-07	3.21E-07	1.20E-07	6.42E-07	2.36E-07
5718	487782.6	3856842	1.90E-03	1.95E-03	1.84E-03	6.58E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.87E-07	4.59E-07	0.00E+00	0.00E+00	2.11E-07	4.00E-08	2.54E-07	3.91E-08	3.56E-08	5.80E-07	5.99E-07	2.20E-07	2.99E-07	1.12E-07	5.99E-07	2.20E-07
5719	487849.8	3856755	1.79E-03	1.83E-03	1.73E-03	6.19E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.58E-07	4.32E-07	0.00E+00	0.00E+00	1.99E-07	3.76E-08	2.39E-07	3.68E-08	3.35E-08	5.45E-07	5.64E-07	2.07E-07	2.82E-07	1.05E-07	5.64E-07	2.07E-07
5720	487918	3856819	1.83E-03	1.87E-03	1.76E-03	6.32E-07	1.91E-06	1.10E-06	1.13E-06	1.03E-06	4.68E-07	4.41E-07	0.00E+00	0.00E+00	2.03E-07	3.84E-08	2.44E-07	3.76E-08	3.42E-08	5.57E-07	5.76E-07	2.11E-07	2.88E-07	1.07E-07	5.76E-07	2.11E-07
5721	487918.8	3856886	1.89E-03	1.94E-03	1.83E-03	6.55E-07	1.98E-06	1.14E-06	1.17E-06	1.06E-06	4.85E-07	4.57E-07	0.00E+00	0.00E+00	2.11E-07	3.98E-08	2.53E-07	3.89E-08	3.54E-08	5.77E-07	5.97E-07	2.19E-07	2.98E-07	1.11E-07	5.97E-07	2.19E-07
5722	488065.5	3857128	2.07E-03	2.12E-03	2.00E-03	7.15E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.30E-07	5.00E-07	0.00E+00	0.00E+00	2.30E-07	4.35E-08	2.76E-07	4.25E-08	3.87E-08	6.30E-07	6.52E-07	2.39E-07	3.26E-07	1.22E-07	6.52E-07	2.39E-07
5723	488192.2	3857386	2.39E-03	2.44E-03	2.30E-03	8.26E-07	2.49E-06	1.44E-06	1.48E-06	1.34E-06	6.11E-07	5.77E-07	0.00E+00	0.00E+00	2.65E-07	5.02E-08	3.18E-07	4.91E-08	4.47E-08	7.28E-07	7.53E-07	2.76E-07	3.76E-07	1.40E-07	7.53E-07	2.76E-07
5724	488191.2	3857474	2.56E-03	2.63E-03	2.48E-03	8.87E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.57E-07	6.20E-07	0.00E+00	0.00E+00	2.85E-07	5.39E-08	3.42E-07	5.28E-08	4.80E-08	7.82E-07	8.09E-07	2.97E-07	4.04E-07	1.51E-07	8.09E-07	2.97E-07
5725	488190.2	3857562	2.77E-03	2.84E-03	2.68E-03	9.59E-07	2.90E-06	1.68E-06	1.72E-06	1.56E-06	7.10E-07	6.70E-07	0.00E+00	0.00E+00	3.09E-07	5.83E-08	3.70E-07	5.71E-08	5.19E-08	8.46E-07	8.75E-07	3.21E-07	4.37E-07	1.63E-07	8.75E-07	3.21E-07
5726	488158.4	3857691	3.18E-03	3.25E-03	3.07E-03	1.10E-06	3.32E-06	1.92E-06	1.97E-06	1.79E-06	8.15E-07	7.68E-07	0.00E+00	0.00E+00	3.54E-07	6.68E-08	4.24E-07	6.54E-08	5.95E-08	9.70E-07	1.00E-06	3.68E-07	5.01E-07	1.87E-07	1.00E-06	3.68E-07
5727	488208.4	3857817	3.56E-03	3.64E-03	3.43E-03	1.23E-06	3.72E-06	2.15E-06	2.20E-06	2.00E-06	9.11E-07	8.60E-07	0.00E+00	0.00E+00	3.96E-07	7.48E-08	4.75E-07	7.32E-08	6.66E-08	1.08E-06	1.12E-06	4.12E-07	5.60E-07	2.09E-07	1.12E-06	4.12E-07
5728	488272	3857875	3.68E-03	3.77E-03	3.56E-03	1.27E-06	3.85E-06	2.23E-06	2.28E-06	2.07E-06	9.44E-07	8.90E-07	0.00E+00	0.00E+00	4.10E-07	7.75E-08	4.92E-07	7.58E-08	6.89E-08	1.12E-06	1.16E-06	4.26E-07	5.80E-07	2.17E-07	1.16E-06	4.26E-07
5729	488463.6	3857942	3.61E-03	3.70E-03	3.49E-03	1.25E-06	3.77E-06	2.19E-06	2.24E-06	2.03E-06	9.26E-07	8.73E-07	0.00E+00	0.00E+00	4.02E-07	7.60E-08	4.82E-07	7.43E-08	6.76E-08	1.10E-06	1.14E-06	4.18E-07	5.69E-07	2.13E-07	1.14E-06	4.18E-07
5730	488554.8	3857941	3.43E-03	3.52E-03	3.32E-03	1.19E-06	3.59E-06	2.08E-06	2.13E-06	1.93E-06	8.80E-07	8.30E-07	0.00E+00	0.00E+00	3.82E-07	7.22E-08	4.58E-07	7.07E-08	6.43E-08	1.05E-06	1.08E-06	3.97E-07	5.41E-07	2.02E-07	1.08E-06	3.97E-07
5731	488646.1	3857939	3.27E-03	3.35E-03	3.16E-03	1.13E-06	3.42E-06	1.98E-06	2.03E-06	1.84E-06	8.39E-07	7.91E-07	0.00E+00	0.00E+00	3.64E-07	6.88E-08	4.37E-07	6.74E-08	6.13E-08	9.98E-07	1.03E-06	3.79E-07	5.15E-07	1.93E-07	1.03E-06	3.79E-07
5732	488737.4	3857938	3.12E-03	3.20E-03	3.02E-03	1.08E-06	3.26E-06	1.89E-06	1.94E-06	1.75E-06	8.01E-07	7.55E-07	0.00E+00	0.00E+00	3.48E-07	6.57E-08	4.17E-07	6.43E-08	5.85E-08	9.53E-07	9.86E-07	3.62E-07	4.92E-07	1.84E-07	9.86E-07	3.62E-07
5733	488733.6	3857961	3.20E-03	3.28E-03	3.09E-03	1.11E-06	3.34E-06	1.94E-06	1.98E-06	1.80E-06	8.20E-07	7.73E-07	0.00E+00	0.00E+00	3.56E-07	6.73E-08	4.27E-07	6.58E-08	5.99E-08	9.76E-07	1.01E-06	3.70E-07	5.04E-07	1.88E-07	1.01E-06	3.70E-07
5734	488638.1	3857962	3.36E-03	3.44E-03	3.25E-03	1.16E-06	3.51E-06	2.03E-06	2.08E-06	1.89E-06	8.61E-07	8.13E-07	0.00E+00	0.00E+00	3.74E-07	7.07E-08	4.49E-07	6.92E-08	6.29E-08	1.03E-06	1.06E-06	3.89E-07	5.29E-07	1.98E-07	1.06E-06	3.89E-07
5735	488542.6	3857963	3.54E-03	3.63E-03	3.42E-03	1.23E-06	3.70E-06	2.14E-06	2.20E-06	1.99E-06	9.08E-07	8.56E-07	0.00E+00	0.00E+00	3.94E-07	7.45E-08	4.73E-07	7.29E-08	6.63E-08	1.08E-06	1.12E-06	4.10E-07	5.58E-07	2.09E-07	1.12E-06	4.10E-07
5736	488447.1	3857964	3.74E-03	3.83E-03	3.61E-03	1.29E-06	3.91E-06	2.26E-06	2.32E-06	2.10E-06	9.58E-07	9.04E-07	0.00E+00	0.00E+00	4.16E-07	7.86E-08	4.99E-07	7.70E-08	7.00E-08	1.14E-06	1.18E-06	4.33E-07	5.89E-07	2.20E-07	1.18E-06	4.33E-07
5737	488254.3	3857890	3.79E-03	3.89E-03	3.67E-03	1.31E-06	3.97E-06	2.30E-06	2.35E-06	2.13E-06	9.73E-07	9.17E-07	0.00E+00	0.00E+00	4.22E-07	7.98E-08	5.06E-07	7.81E-08	7.10E-08	1.16E-06	1.20E-06	4.39E-07	5.98E-07	2.23E-07	1.20E-06	4.39E-07
5738	488191.7	3857833	3.65E-03	3.74E-03	3.53E-03	1.26E-06	3.82E-06	2.21E-06	2.26E-06	2.05E-06	9.37E-07	8.84E-07	0.00E+00	0.00E+00	4.07E-07	7.69E-08	4.88E-07	7.52E-08	6.84E-08	1.12E-06	1.15E-06	4.23E-07	5.76E-07	2.15E-07	1.15E-06	4.23E-07
5739	488129.5	3857907	4.20E-03	4.30E-03	4.05E-03	1.45E-06	4.39E-06	2.54E-06	2.60E-06	2.36E-06	1.08E-06	1.01E-06	0.00E+00	0.00E+00	4.67E-07	8.83E-08	5.60E-07	8.64E-08	7.86E-08	1.28E-06	1.32E-06	4.86E-07	6.61E-07	2.47E-07	1.32E-06	4.86E-07
5740	488196.5	3857969	4.39E-03	4.50E-03	4.24E-03	1.52E-06	4.59E-06	2.66E-06	2.72E-06	2.47E-06	1.13E-06	1.06E-06	0.00E+00	0.00E+00	4.89E-07	9.24E-08	5.86E-07	9.04E-08	8.22E-08	1.34E-06	1.39E-06	5.08E-07	6.92E-07	2.59E-07	1.39E-06	5.08E-07
5741	488263.4	3858030	4.59E-03	4.70E-03	4.44E-03	1.59E-06	4.80E-06	2.78E-06	2.85E-06	2.58E-06	1.18E-06	1.11E-06	0.00E+00	0.00E+00	5.11E-07	9.66E-08	6.13E-07	9.45E-08	8.60E-08	1.40E-06	1.45E-06	5.32E-07	7.23E-07	2.70E-07	1.45E-06	5.32E-07
5742	488400.6	3858133	4.88E-03	4.99E-03	4.71E-03	1.69E-06	5.10E-06	2.95E-06	3.02E-06	2.74E-06	1.25E-06	1.18E-06	0.00E+00	0.00E+00	5.43E-07	1.03E-07	6.51E-07	1.00E-07	9.13E-08	1.49E-06	1.54E-06	5.64E-07	7.68E-07	2.87E-07	1.54E-06	5.64E-07
5743	488519.9	3858218	5.22E-03	5.35E-03	5.04E-03	1.81E-06	5.46E-06	3.16E-06	3.24E-06	2.93E-06	1.34E-06	1.26E-06	0.00E+00	0.00E+00	5.81E-07	1.10E-07	6.97E-07	1.07E-07	9.78E-08	1.59E-06	1.65E-06	6.04E-07	8.23E-07	3.07E-07	1.65E-06	6.04E-07
5744	488648	3858215	4.66E-03	4.77E-03	4.50E-03	1.61E-06	4.87E-06	2.82E-06	2.89E-06	2.62E-06	1.19E-06	1.13E-06	0.00E+00	0.00E+00	5.18E-07	9.80E-08	6.22E-07	9.59E-08	8.72E-08	1.42E-06	1.47E-06	5.39E-07	7.34E-07	2.74E-07	1.47E-06	5.39E-07
5745	488727.1	3858168	4.10E-03	4.20E-03	3.97E-03	1.42E-06	4.29E-06	2.48E-06	2.54E-06	2.31E-06	1.05E-06	9.92E-07	0.00E+00	0.00E+00	4.57E-07	8.63E-08	5.48E-07	8.45E-08	7.68E-08	1.25E-06	1.30E-06	4.75E-07	6.47E-07	2.42E-07	1.30E-06	4.75E-07
5746	488806.1	3858120	3.67E-03	3.76E-03	3.55E-03	1.27E-06	3.84E-06	2.22E-06	2.28E-06	2.06E-06	9.41E-07	8.88E-07	0.00E+00	0.00E+00	4.09E-07	7.72E-08	4.90E-07	7.56E-08	6.87E-08	1.12E-06	1.16E-06	4.25E-07	5.78E-07	2.16E-07	1.16E-06	4.25E-07
5747	488885.2	3858073	3.33E-03	3.41E-03	3.21E-03	1.15E-06	3.48E-06	2.01E-06	2.06E-06	1.87E-06	8.53E-07	8.04E-07	0.00E+00	0.00E+00	3.70E-07	7.00E-08	4.44E-07	6.85E-08	6.23E-08	1.02E-06	1.05E-06	3.85E-07	5.24E-07	1.96E-07	1.05E-06	3.85E-07
5748	489055.8	3857991	2.82E-03	2.89E-03	2.72E-03	9.75E-07	2.94E-06	1.70E-06	1.75E-06	1.58E-06	7.22E-07	6.81E-07	0.00E+00	0.00E+00	3.14E-07	5.93E-08	3.76E-07	5.80E-08	5.27E-08	8.60E-07	8.89E-07	3.26E-07	4.44E-07	1.66E-07	8.89E-07	3.26E-07
5749	489245.4	3857945	2.49E-03	2.55E-03	2.40E-03	8.61E-07	2.60E-06	1.51E-06	1.54E-06	1.40E-06	6.38E-07	6.02E-07	0.00E+00	0.00E+00	2.77E-07	5.23E-08	3.32E-07	5.12E-08	4.66E-08	7.59E-07	7.85E-07	2.88E-07	3.92E-07	1.46E-07	7.85E-07	2.88E-07
5750	489430.6	3857931	2.30E-03	2.36E-03	2.22E-03	7.96E-07	2.40E-06	1.39E-06	1.43E-06	1.29E-06	5.90E-07	5.56E-07	0.00E+00	0.00E+00	2.56E-07	4.84E-08	3.07E-07	4.74E-08	4.31E-08	7.02E-07	7.26E-07	2.66E-07	3.62E-07	1.35E-07	7.26E-07	2.66E-07
5751	489517.7	3857929	2.23E-03	2.28E-03	2.15E-03	7.71E-07	2.33E-06	1.35E-06	1.38E-06	1.25E-06	5.71E-07	5.39E-07	0.00E+00	0.00E+00	2.48E-07	4.69E-08	2.97E-07	4.59E-08	4.17E-08	6.80E-07	7.03E-07	2.58E-07	3.51E-07	1.31E-07	7.03E-07	2.58E-07
5752	489604.9	3857928	2.16E-03	2.21E-03	2.08E-03	7.47E-07	2.26E-06	1.31E-06	1.34E-06	1.21E-06	5.53E-07	5.22E-07	0.00E+00	0.00E+00	2.40E-07	4.54E-08	2.88E-07	4.44E-08	4.04E-08	6.58E-07	6.81E-07	2.50E-07	3.40E-07	1.27E-07	6.81E-07	2.50E-07
5753	489692	3857926	2.10E-03	2.15E-03	2.02E-03	7.25E-07	2.19E-06	1.27E-06	1.30E-06	1.18E-06	5.37E-07	5.07E-07	0.00E+00	0.00E+00	2.33E-07	4.41E-08	2.80E-07	4.31E-08	3.92E-08	6.39E-07	6.61E-07	2.43E-07	3.30E-07	1.23E-07	6.61E-07	2.43E-07
5754	489779.1	3857925	2.04E-03	2.08E-03	1.97E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.22E-07	4.92E-07	0.00E+00	0.00E+00	2.27E-07	4.28E-08	2.72E-07	4.19E-08	3.81E-08	6.21E-07	6.42E-07	2.36E-07	3.21E-07	1.20E-07	6.42E-07	2.36E-07
5755	490017.6	3857875	1.84E-03	1.89E-03	1.78E-03	6.38E-07	1.93E-06	1.11E-06	1.14E-06	1.03E-06	4.72E-07	4.45E-07	0.00E+00	0.00E+00	2.05E-07	3.87E-08	2.46E-07	3.79E-08	3.45E-08	5.62E-07	5.81E-07	2.13E-07	2.90E-07	1.08E-07	5.81E-07	2.13E-07
5756	490033.8	3857961	1.93E-03	1.98E-03	1.86E-03	6.68E-07	2.02E-06	1.17E-06	1.20E-06	1.08E-06	4.94E-07	4.66E-07	0.00E+00	0.00E+00	2.15E-07	4.06E-08	2.57E-07	3.97E-08	3.61E-08	5.89E-07	6.09E-07	2.23E-07	3.04E-07	1.14E-07	6.09E-07	2.23E-07
5757	489959.2	3857987	2.01E-03	2.06E-03	1.94E-03	6.96E-07	2.10E-06	1.22E-06	1.25E-06	1.13E-06	5.15E-07	4.86E-07	0.00E+00	0.00E+00	2.24E-07	4.23E-08	2.68E-07	4.14E-08	3.76E-08	6.13E-07	6.34E-07	2.33E-07	3.17E-07	1.18E-07	6.34E-07	2.33E-07
5758	489791.5	3858016	2.14E-03	2.19E-03	2.07E-03	7.41E-07	2.24E-06	1.29E-06	1.33E-06	1.20E-06	5.49E-07	5.17E-07	0.00E+00	0.00E+00	2.38E-07	4.50E-08	2.86E-07	4.40E-08	4.01E-08	6.53E-07	6.75E-07	2.48E-07	3.37E-07	1.26E-07	6.75E-07	2.48E-07
5759	489698.5	3858018	2.21E-03	2.27E-03	2.14E-03	7.66E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.35E-07	0.00E+00	0.00E+00	2.46E-07	4.65E-08	2.95E-07	4.55E-08	4.14E-08	6.75E-07	6.98E-07	2.56E-07	3.49E-07	1.30E-07	6.98E-07	2.56E-07
5760	489605.5	3858020	2.29E-03	2.35E-03	2.21E-03	7.93E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.88E-07	5.54E-07	0.00E+00	0.00E+00	2.55E-07	4.82E-08	3.06E-07	4.72E-08	4.29E-08	6.99E-07	7.23E-07	2.65E-07	3.61E-07	1.35E-07	7.23E-07	2.65E-07
5761	489512.5	3858022	2.38E-03	2.43E-03	2.30E-03	8.23E-07	2.48E-06	1.44E-06	1.47E-06	1.33E-06	6.09E-07	5.75E-07	0.00E+00	0.00E+00	2.65E-07	5.00E-08	3.17E-07	4.89E-08	4.45E-08	7.25E-07	7.50E-07	2.75E-07	3.74E-07	1.40E-07	7.50E-07	2.75E-07
5762	489419.6	3858024	2.47E-03	2.53E-03	2.39E-03	8.55E-07	2.58E-06	1.49E-06	1.53E-06	1.39E-06	6.33E-07	5.97E-07	0.00E+00	0.00E+00	2.75E-07	5.20E-08	3.30E-07	5.09E-08	4.63E-08	7.54E-07	7.80E-07	2.86E-07	3.89E-07	1.45E-07	7.80E-07	2.86E-07
5763	489228.5	3858041	2.69E-03	2.76E-03	2.60E-03	9.33E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.91E-07	6.52E-07	0.00E+00	0.00E+00	3.00E-07	5.67E-08	3.60E-07	5.55E-08	5.05E-08	8.22E-07	8.51E-07	3.12E-07	4.25E-07	1.59E-07	8.51E-07	3.12E-07
5764	489065.8	3858086	3.05E-03	3.12E-03	2.95E-03	1.06E-06	3.19E-06	1.84E-06	1.89E-06	1.71E-06	7.82E-07	7.37E-07	0.00E+00	0.00E+00	3.39E-07	6.41E-08	4.07E-07	6.28E-08	5.71E-08	9.30E-07	9.62E-07	3.53E-07	4.80E-07	1.79E-07	9.62E-07	3.53E-07
5765	489001.1	3858115	3.25E-03	3.33E-03	3.14E-03	1.12E-06	3.40E-06	1.97E-06	2.01E-06	1.82E-06	8.33E-07	7.85E-07	0.00E+00	0.00E+00	3.62E-07	6.83E-08	4.34E-07	6.69E-08	6.08E-08	9.91E-07	1.03E-06	3.76E-07	5.12E-07	1.91E-07	1.03E-06	3.76E-07

5766	488861.9	3858190	3.83E-03	3.92E-03	3.70E-03	1.32E-06	4.00E-06	2.31E-06	2.37E-06	2.15E-06	9.81E-07	9.25E-07	0.00E+00	0.00E+00	4.26E-07	8.05E-08	5.11E-07	7.87E-08	7.16E-08	1.17E-06	1.21E-06	4.43E-07	6.03E-07	2.25E-07	1.21E-06	4.43E-07
5767	488787.3	3858236	4.31E-03	4.41E-03	4.16E-03	1.49E-06	4.50E-06	2.60E-06	2.67E-06	2.42E-06	1.10E-06	1.04E-06	0.00E+00	0.00E+00	4.79E-07	9.06E-08	5.75E-07	8.86E-08	8.06E-08	1.31E-06	1.36E-06	4.98E-07	6.78E-07	2.53E-07	1.36E-06	4.98E-07
5768	488712.7	3858282	4.88E-03	5.00E-03	4.71E-03	1.69E-06	5.10E-06	2.95E-06	3.02E-06	2.74E-06	1.25E-06	1.18E-06	0.00E+00	0.00E+00	5.43E-07	1.03E-07	6.51E-07	1.00E-07	9.13E-08	1.49E-06	1.54E-06	5.65E-07	7.68E-07	2.87E-07	1.54E-06	5.65E-07
5769	488654.4	3858436	7.04E-03	7.21E-03	6.80E-03	2.44E-06	7.36E-06	4.26E-06	4.36E-06	3.96E-06	1.80E-06	1.70E-06	0.00E+00	0.00E+00	7.84E-07	1.48E-07	9.40E-07	1.45E-07	1.32E-07	2.15E-06	2.22E-06	8.15E-07	1.11E-06	4.15E-07	2.22E-06	8.15E-07
5770	488726.3	3858505	7.59E-03	7.77E-03	7.33E-03	2.63E-06	7.93E-06	4.59E-06	4.70E-06	4.26E-06	1.95E-06	1.83E-06	0.00E+00	0.00E+00	8.45E-07	1.60E-07	1.01E-06	1.56E-07	1.42E-07	2.32E-06	2.40E-06	8.78E-07	1.20E-06	4.47E-07	2.40E-06	8.78E-07
5771	488880.6	3858599	7.77E-03	7.96E-03	7.51E-03	2.69E-06	8.12E-06	4.70E-06	4.82E-06	4.37E-06	1.99E-06	1.88E-06	0.00E+00	0.00E+00	8.65E-07	1.64E-07	1.04E-06	1.60E-07	1.46E-07	2.37E-06	2.45E-06	9.00E-07	1.22E-06	4.58E-07	2.45E-06	9.00E-07
5772	489008.1	3858715	8.84E-03	9.06E-03	8.55E-03	3.06E-06	9.24E-06	5.35E-06	5.48E-06	4.97E-06	2.27E-06	2.14E-06	0.00E+00	0.00E+00	9.85E-07	1.86E-07	1.18E-06	1.82E-07	1.66E-07	2.70E-06	2.79E-06	1.02E-06	1.39E-06	5.21E-07	2.79E-06	1.02E-06
5773	489071.5	3858773	9.51E-03	9.74E-03	9.19E-03	3.29E-06	9.94E-06	5.75E-06	5.89E-06	5.34E-06	2.44E-06	2.30E-06	0.00E+00	0.00E+00	1.06E-06	2.00E-07	1.27E-06	1.96E-07	1.78E-07	2.90E-06	3.00E-06	1.10E-06	1.50E-06	5.60E-07	3.00E-06	1.10E-06
5774	489244.6	3858920	1.15E-02	1.18E-02	1.11E-02	3.98E-06	1.20E-05	6.96E-06	7.13E-06	6.46E-06	2.95E-06	2.78E-06	0.00E+00	0.00E+00	1.28E-06	2.42E-07	1.54E-06	2.37E-07	2.15E-07	3.51E-06	3.63E-06	1.33E-06	1.81E-06	6.77E-07	3.63E-06	1.33E-06
5775	489239.7	3858952	1.34E-02	1.37E-02	1.29E-02	4.64E-06	1.40E-05	8.11E-06	8.30E-06	7.53E-06	3.43E-06	3.24E-06	0.00E+00	0.00E+00	1.49E-06	2.82E-07	1.79E-06	2.76E-07	2.51E-07	4.09E-06	4.23E-06	1.55E-06	2.11E-06	7.89E-07	4.23E-06	1.55E-06
5776	489121.7	3858854	1.16E-02	1.19E-02	1.12E-02	4.02E-06	1.21E-05	7.02E-06	7.19E-06	6.52E-06	2.97E-06	2.80E-06	0.00E+00	0.00E+00	1.29E-06	2.44E-07	1.55E-06	2.39E-07	2.17E-07	3.54E-06	3.66E-06	1.34E-06	1.83E-06	6.83E-07	3.66E-06	1.34E-06
5777	489059.6	3858797	1.06E-02	1.09E-02	1.02E-02	3.67E-06	1.11E-05	6.42E-06	6.57E-06	5.96E-06	2.72E-06	2.56E-06	0.00E+00	0.00E+00	1.18E-06	2.23E-07	1.42E-06	2.18E-07	1.99E-07	3.24E-06	3.35E-06	1.23E-06	1.67E-06	6.24E-07	3.35E-06	1.23E-06
5778	488997.5	3858740	9.76E-03	1.00E-02	9.43E-03	3.38E-06	1.02E-05	5.91E-06	6.05E-06	5.48E-06	2.50E-06	2.36E-06	0.00E+00	0.00E+00	1.09E-06	2.05E-07	1.30E-06	2.01E-07	1.83E-07	2.98E-06	3.08E-06	1.13E-06	1.54E-06	5.75E-07	3.08E-06	1.13E-06
5779	488935.4	3858683	9.06E-03	9.28E-03	8.76E-03	3.14E-06	9.47E-06	5.48E-06	5.62E-06	5.09E-06	2.32E-06	2.19E-06	0.00E+00	0.00E+00	1.01E-06	1.91E-07	1.21E-06	1.87E-07	1.70E-07	2.77E-06	2.86E-06	1.05E-06	1.43E-06	5.34E-07	2.86E-06	1.05E-06
5780	488869.2	3858848	2.54E-02	2.60E-02	2.45E-02	8.79E-06	2.65E-05	1.54E-05	1.57E-05	1.43E-05	6.51E-06	6.14E-06	0.00E+00	0.00E+00	2.83E-06	5.34E-07	3.39E-06	5.23E-07	4.76E-07	7.75E-06	8.02E-06	2.94E-06	4.00E-06	1.50E-06	8.02E-06	2.94E-06
5781	488932.5	3858893	2.76E-02	2.83E-02	2.67E-02	9.57E-06	2.89E-05	1.67E-05	1.71E-05	1.55E-05	7.08E-06	6.68E-06	0.00E+00	0.00E+00	3.08E-06	5.81E-07	3.69E-06	5.69E-07	5.17E-07	8.43E-06	8.72E-06	3.20E-06	4.35E-06	1.63E-06	8.72E-06	3.20E-06
5782	489063.3	3858977	3.13E-02	3.20E-02	3.02E-02	1.08E-05	3.27E-05	1.89E-05	1.94E-05	1.76E-05	8.01E-06	7.56E-06	0.00E+00	0.00E+00	3.48E-06	6.57E-07	4.17E-06	6.43E-07	5.85E-07	9.54E-06	9.86E-06	3.62E-06	4.92E-06	1.84E-06	9.86E-06	3.62E-06
5783	489248.2	3859117	4.97E-02	5.09E-02	4.80E-02	1.72E-05	5.19E-05	3.01E-05	3.08E-05	2.79E-05	1.27E-05	1.20E-05	0.00E+00	0.00E+00	5.53E-06	1.05E-06	6.63E-06	1.02E-06	9.30E-07	1.52E-05	1.57E-05	5.75E-06	7.83E-06	2.92E-06	1.57E-05	5.75E-06
5784	489296.3	3859049	1.95E-02	2.00E-02	1.88E-02	6.75E-06	2.04E-05	1.18E-05	1.21E-05	1.10E-05	5.00E-06	4.72E-06	0.00E+00	0.00E+00	2.17E-06	4.10E-07	2.60E-06	4.01E-07	3.65E-07	5.95E-06	6.15E-06	2.26E-06	3.07E-06	1.15E-06	6.15E-06	2.26E-06
5785	489353.4	3858994	1.22E-02	1.25E-02	1.18E-02	4.23E-06	1.28E-05	7.39E-06	7.57E-06	6.86E-06	3.13E-06	2.95E-06	0.00E+00	0.00E+00	1.36E-06	2.57E-07	1.63E-06	2.51E-07	2.29E-07	3.73E-06	3.86E-06	1.41E-06	1.92E-06	7.19E-07	3.86E-06	1.41E-06
5786	489537.2	3859120	1.37E-02	1.40E-02	1.32E-02	4.73E-06	1.43E-05	8.26E-06	8.46E-06	7.67E-06	3.50E-06	3.30E-06	0.00E+00	0.00E+00	1.52E-06	2.87E-07	1.82E-06	2.81E-07	2.56E-07	4.17E-06	4.31E-06	1.58E-06	2.15E-06	8.04E-07	4.31E-06	1.58E-06
5787	489727	3859246	1.53E-02	1.57E-02	1.48E-02	5.29E-06	1.60E-05	9.25E-06	9.48E-06	8.59E-06	3.92E-06	3.70E-06	0.00E+00	0.00E+00	1.70E-06	3.22E-07	2.04E-06	3.15E-07	2.86E-07	4.67E-06	4.83E-06	1.77E-06	2.41E-06	9.00E-07	4.83E-06	1.77E-06
5788	489911.5	3859366	1.69E-02	1.73E-02	1.64E-02	5.86E-06	1.77E-05	1.02E-05	1.05E-05	9.52E-06	4.34E-06	4.10E-06	0.00E+00	0.00E+00	1.89E-06	3.56E-07	2.26E-06	3.49E-07	3.17E-07	5.17E-06	5.35E-06	1.96E-06	2.67E-06	9.97E-07	5.35E-06	1.96E-06
5789	490035.3	3859430	1.68E-02	1.72E-02	1.63E-02	5.82E-06	1.76E-05	1.02E-05	1.04E-05	9.45E-06	4.31E-06	4.07E-06	0.00E+00	0.00E+00	1.87E-06	3.54E-07	2.25E-06	3.46E-07	3.15E-07	5.13E-06	5.31E-06	1.95E-06	2.65E-06	9.90E-07	5.31E-06	1.95E-06
5790	490101.1	3859459	1.63E-02	1.67E-02	1.57E-02	5.64E-06	1.70E-05	9.86E-06	1.01E-05	9.15E-06	4.18E-06	3.94E-06	0.00E+00	0.00E+00	1.81E-06	3.43E-07	2.17E-06	3.35E-07	3.05E-07	4.97E-06	5.14E-06	1.89E-06	2.57E-06	9.59E-07	5.14E-06	1.89E-06
5791	490312.7	3859560	1.76E-02	1.80E-02	1.70E-02	6.10E-06	1.84E-05	1.07E-05	1.09E-05	9.90E-06	4.52E-06	4.26E-06	0.00E+00	0.00E+00	1.96E-06	3.71E-07	2.35E-06	3.63E-07	3.30E-07	5.38E-06	5.56E-06	2.04E-06	2.78E-06	1.04E-06	5.56E-06	2.04E-06
5792	490401.6	3859603	1.87E-02	1.92E-02	1.81E-02	6.48E-06	1.96E-05	1.13E-05	1.16E-05	1.05E-05	4.80E-06	4.53E-06	0.00E+00	0.00E+00	2.08E-06	3.94E-07	2.50E-06	3.85E-07	3.51E-07	5.71E-06	5.91E-06	2.17E-06	2.95E-06	1.10E-06	5.91E-06	2.17E-06
5793	490490.6	3859646	1.99E-02	2.03E-02	1.92E-02	6.88E-06	2.08E-05	1.20E-05	1.23E-05	1.12E-05	5.09E-06	4.80E-06	0.00E+00	0.00E+00	2.21E-06	4.18E-07	2.65E-06	4.09E-07	3.72E-07	6.06E-06	6.27E-06	2.30E-06	3.13E-06	1.17E-06	6.27E-06	2.30E-06
5794	490579.5	3859689	2.10E-02	2.15E-02	2.02E-02	7.25E-06	2.19E-05	1.27E-05	1.30E-05	1.18E-05	5.37E-06	5.07E-06	0.00E+00	0.00E+00	2.33E-06	4.41E-07	2.80E-06	4.31E-07	3.92E-07	6.39E-06	6.61E-06	2.43E-06	3.30E-06	1.23E-06	6.61E-06	2.43E-06
5795	490668.5	3859732	2.16E-02	2.21E-02	2.08E-02	7.46E-06	2.25E-05	1.30E-05	1.34E-05	1.21E-05	5.52E-06	5.21E-06	0.00E+00	0.00E+00	2.40E-06	4.53E-07	2.88E-06	4.44E-07	4.04E-07	6.58E-06	6.80E-06	2.49E-06	3.40E-06	1.27E-06	6.80E-06	2.49E-06
5796	490757.4	3859774	2.34E-02	2.40E-02	2.26E-02	8.10E-06	2.45E-05	1.42E-05	1.45E-05	1.31E-05	6.00E-06	5.66E-06	0.00E+00	0.00E+00	2.61E-06	4.92E-07	3.12E-06	4.82E-07	4.38E-07	7.14E-06	7.39E-06	2.71E-06	3.69E-06	1.38E-06	7.39E-06	2.71E-06
5797	491003.5	3859862	2.03E-02	2.08E-02	1.96E-02	7.04E-06	2.12E-05	1.23E-05	1.26E-05	1.14E-05	5.21E-06	4.91E-06	0.00E+00	0.00E+00	2.26E-06	4.28E-07	2.71E-06	4.18E-07	3.81E-07	6.20E-06	6.42E-06	2.35E-06	3.20E-06	1.20E-06	6.42E-06	2.35E-06
5798	491081.4	3859879	1.80E-02	1.84E-02	1.74E-02	6.23E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.61E-06	4.35E-06	0.00E+00	0.00E+00	2.00E-06	3.78E-07	2.40E-06	3.70E-07	3.37E-07	5.49E-06	5.68E-06	2.08E-06	2.83E-06	1.06E-06	5.68E-06	2.08E-06
5799	491229.8	3859918	1.46E-02	1.49E-02	1.41E-02	5.04E-06	1.52E-05	8.81E-06	9.02E-06	8.18E-06	3.73E-06	3.52E-06	0.00E+00	0.00E+00	1.62E-06	3.06E-07	1.94E-06	3.00E-07	2.73E-07	4.44E-06	4.59E-06	1.68E-06	2.29E-06	8.57E-07	4.59E-06	1.68E-06
5800	491300.2	3859939	1.32E-02	1.36E-02	1.28E-02	4.58E-06	1.38E-05	8.00E-06	8.20E-06	7.43E-06	3.39E-06	3.20E-06	0.00E+00	0.00E+00	1.47E-06	2.78E-07	1.77E-06	2.72E-07	2.48E-07	4.04E-06	4.18E-06	1.53E-06	2.08E-06	7.79E-07	4.18E-06	1.53E-06
5801	491350.5	3860012	1.58E-02	1.62E-02	1.53E-02	5.47E-06	1.65E-05	9.57E-06	9.80E-06	8.88E-06	4.05E-06	3.82E-06	0.00E+00	0.00E+00	1.76E-06	3.33E-07	2.11E-06	3.25E-07	2.96E-07	4.82E-06	4.99E-06	1.83E-06	2.49E-06	9.31E-07	4.99E-06	1.83E-06
5802	491406.8	3860093	1.84E-02	1.88E-02	1.78E-02	6.37E-06	1.92E-05	1.11E-05	1.14E-05	1.03E-05	4.72E-06	4.45E-06	0.00E+00	0.00E+00	2.05E-06	3.87E-07	2.46E-06	3.79E-07	3.44E-07	5.61E-06	5.81E-06	2.13E-06	2.90E-06	1.08E-06	5.81E-06	2.13E-06
5803	491483.4	3860122	1.56E-02	1.60E-02	1.51E-02	5.41E-06	1.63E-05	9.46E-06	9.69E-06	8.79E-06	4.01E-06	3.78E-06	0.00E+00	0.00E+00	1.74E-06	3.29E-07	2.09E-06	3.22E-07	2.93E-07	4.77E-06	4.94E-06	1.81E-06	2.46E-06	9.21E-07	4.94E-06	1.81E-06
5804	491559.9	3860151	1.36E-02	1.40E-02	1.32E-02	4.72E-06	1.42E-05	8.25E-06	8.44E-06	7.66E-06	3.49E-06	3.29E-06	0.00E+00	0.00E+00	1.52E-06	2.87E-07	1.82E-06	2.80E-07	2.55E-07	4.16E-06	4.30E-06	1.58E-06	2.15E-06	8.02E-07	4.30E-06	1.58E-06
5805	491711.8	3860238	9.86E-03	1.01E-02	9.53E-03	3.41E-06	1.03E-05	5.97E-06	6.11E-06	5.54E-06	2.53E-06	2.39E-06	0.00E+00	0.00E+00	1.10E-06	2.08E-07	1.32E-06	2.03E-07	1.85E-07	3.01E-06	3.11E-06	1.14E-06	1.55E-06	5.81E-07	3.11E-06	1.14E-06
5806	491755.2	3860319	1.41E-02	1.45E-02	1.37E-02	4.89E-06	1.48E-05	8.55E-06	8.76E-06	7.94E-06	3.62E-06	3.42E-06	0.00E+00	0.00E+00	1.57E-06	2.97E-07	1.89E-06	2.91E-07	2.65E-07	4.31E-06	4.46E-06	1.64E-06	2.23E-06	8.32E-07	4.46E-06	1.64E-06
5807	491704.7	3860367	2.27E-02	2.33E-02	2.19E-02	7.86E-06	2.37E-05	1.37E-05	1.41E-05	1.28E-05	5.82E-06	5.49E-06	0.00E+00	0.00E+00	2.53E-06	4.78E-07	3.03E-06	4.67E-07	4.25E-07	6.93E-06	7.17E-06	2.63E-06	3.58E-06	1.34E-06	7.17E-06	2.63E-06
5808	491623.4	3860462	2.51E-02	2.57E-02	2.43E-02	8.69E-06	2.63E-05	1.52E-05	1.56E-05	1.41E-05	6.44E-06	6.07E-06	0.00E+00	0.00E+00	2.80E-06	5.28E-07	3.35E-06	5.17E-07	4.70E-07	7.66E-06	7.93E-06	2.91E-06	3.96E-06	1.48E-06	7.93E-06	2.91E-06
5809	491534	3860440	1.04E-02	1.06E-02	1.00E-02	3.59E-06	1.08E-05	6.27E-06	6.42E-06	5.82E-06	2.66E-06	2.50E-06	0.00E+00	0.00E+00	1.15E-06	2.18E-07	1.38E-06	2.13E-07	1.94E-07	3.16E-06	3.27E-06	1.20E-06	1.63E-06	6.10E-07	3.27E-06	1.20E-06
5810	491314	3860268	1.28E-02	1.32E-02	1.24E-02	4.44E-06	1.34E-05	7.77E-06	7.96E-06	7.21E-06	3.29E-06	3.10E-06	0.00E+00	0.00E+00	1.43E-06	2.70E-07	1.71E-06	2.64E-07	2.40E-07	3.92E-06	4.05E-06	1.49E-06	2.02E-06	7.56E-07	4.05E-06	1.49E-06
5811	491187.1	3860144	1.83E-02	1.87E-02	1.77E-02	6.32E-06	1.91E-05	1.11E-05	1.13E-05	1.03E-05	4.68E-06	4.42E-06	0.00E+00	0.00E+00	2.03E-06	3.84E-07	2.44E-06	3.76E-07	3.42E-07	5.57E-06	5.77E-06	2.11E-06	2.88E-06	1.08E-06	5.77E-06	2.11E-06
5812	491070.4	3860076	1.61E-02	1.65E-02	1.55E-02	5.57E-06	1.68E-05	9.74E-06	9.97E-06	9.04E-06	4.13E-06	3.89E-06	0.00E+00	0.00E+00	1.79E-06	3.39E-07	2.15E-06	3.31E-07	3.01E-07	4.91E-06	5.08E-06	1.86E-06	2.54E-06	9.47E-07	5.08E-06	1.86E-06
5813	490995.1	3860039	1.49E-02	1.52E-02	1.44E-02	5.14E-06	1.55E-05	8.99E-06	9.21E-06	8.35E-06	3.81E-06	3.59E-06	0.00E+00	0.00E+00	1.65E-06	3.13E-07	1.98E-06	3.06E-07	2.78E-07	4.53E-06	4.69E-06	1.72E-06	2.34E-06	8.75E-07	4.69E-06	1.72E-06
5814	490919.8	3860003	1.52E-02	1.56E-02	1.47E-02	5.27E-06	1.59E-05	9.21E-06	9.43E-06	8.55E-06	3.90E-06	3.68E-06	0.00E+00	0.00E+00	1.69E-06	3.20E-07	2.03E-06	3.13E-07	2.85E-07	4.64E-06	4.80E-06	1.76E-06	2.40E-06	8.96E-07	4.80E-06	1.76E-06
5815	490756.8	3859895	3.60E-02	3.69E-02	3.48E-02	1.25E-05	3.77E-05	2.18E-05	2.23E-05	2.02E-05	9.23E-06	8.71E-06	0.00E+00	0.00E+00	4.01E-06	7.58E-07	4.81E-06	7.41E-07	6.74E-07	1.10E-05	1.14E-05	4.17E-06	5.67E-06	2.12E-06	1.14E-05	4.17E-06
5816	490668.1	3859861	3.38E-02	3.46E-02	3.26E-02	1.17E-05	3.53E-05	2.04E-05	2.09E-05	1.90E-05	8.66E-06	8.17E-06	0.00E+00	0.00E+00	3.76E-06	7.10E-07	4.51E-06	6.95E-07	6.32E-07	1.03E-05	1.07E-05	3.91E-06	5.32E-06	1.99E-06	1.07E-05	3.91E-06
5817	490579.3	3859827	3.28E-02	3.36E-02	3.17E-02	1.13E-05	3.42E-05	1.98E-05	2.03E-05	1.84E-05	8.40E-06	7.92E-06	0.00E+00	0.00E+00	3.65E-06	6.89E-07	4.37E-06	6.74E-07	6.13E-07	1.00E-05	1.03E-05	3.79E-06	5.16E-06	1.93E-06	1.03E-05	3.79E-06
5818	490490.6	3859794	3.03E-02	3.11E-02	2.93E-02	1.05E-05	3.17E-05	1.84E-05	1.88E-05	1.70E-05	7.78E-06	7.33E-06	0.00E+00	0.00E+00	3.38E-06	6.38E-07	4.05E-06	6.24E-07	5.68E-07	9.26E-06	9.57E-06	3.51E-06	4.78E-06	1.79E-06	9.57E-06	3.51E-06
5819	490401.9	3859760	2.86E-02	2.93E-02	2.76E-02	9.89E-06	2.99E-05	1.73E-05	1.77E-05	1.61E-05	7.33E-06	6.91E-06	0.00E+00	0.00E+00	3.18E-06	6.01E-07	3.81E-06	5.88E-07	5.35E-07	8.72E-06	9.02E-06	3.31E-06	4.50E-06	1.68E-06	9.02E-06	3.31E-06
5820	490313.1	3859726	2.78E-02	2.85E-02	2.69E-02	9.63E-06	2.91E-05	1.68E-05	1.72E-05	1.56E-05	7.13E-06	6.73E-06	0.00E+00	0.00E+00	3.10E-06	5.85E-07	3.71E-06	5.73E-07	5.21E-07	8.49E-06	8.78E-06	3.22E-06	4.38E-06	1.64E-06	8.78E-06	3.22E-06
5821	490224.4	3859693	2.72E-02	2.78E-02	2.63E-02	9.41E-06	2.84E-05	1.64E-05	1.68E-05	1.53E-05	6.97E-06	6.57E-06	0.00E+00	0.00E+00	3.03E-06	5.72E-07	3.63E-06	5.60E-07	5.09E-07	8.29E-06	8.58E-06	3.15E-06	4.28E-06	1.60E-06	8.58E-06	3.15E-06
5822	490135.7	3859659	2.66E-02	2.73E-02	2.57E-02	9.22E-06	2.78E-05	1.61E-05	1.65E-05	1.50E-05	6.83E-06	6.44E-06	0.00E+00	0.00E+00	2.96E-06	5.60E-07	3.56E-06	5.48E-07	4.99E-07	8.13E-06	8.41E-06	3.08E-06	4.20E-06	1.57E-06	8.41E-06	3.08E-06
5823	489918.2	3859559	2.81E-02	2.87E-02	2.71E-02	9.71E-06	2.93E-05	1.70E-05	1.74E-05	1.58E-05	7.19E-06	6.78E-06	0.00E+00	0.00E+00	3.12E-06	5.90E-07	3.75E-06	5.78E-07	5.25E-07	8.56E-06	8.86E-06	3.25E-06	4.42E-06	1.65E-06	8.86E-06	3.25E-06
5824	489743.6	3859486	1.86E-02	1.90E-02	1.79E-02	6.43E-06	1.94E-05	1.12E-05	1.15E-05	1.04E-05	4.76E-06	4.49E-06	0.00E+00	0.00E+00	2.07E-06	3.91E-07	2.48E-06	3.82E-07	3.48E-07	5.66E-06	5.86E-06	2.15E-06	2.92E-06	1.09E-06	5.86E-06	2.15E-06
5825	489660.3	3859440	1.85E-02	1.90E-02	1.79E-02	6.42E-06	1.94E-05	1.12E-05	1.15E-05	1.04E-05	4.75E-06	4.48E-06	0.00E+00	0.00E+00	2.06E-06	3.90E-07	2.48E-06	3.82E-07	3.47E-07	5.66E-06	5.85E-06	2.15E-06	2.92E-06	1.09E-06	5.85E-06	2.15E-06
5826	489577	3859395	1.85E-02	1.90E-02	1.79E-02	6.42E-06	1.94E-05	1.12E-05	1.15E-05	1.04E-05	4.75E-06	4.48E-06	0.00E+00	0.00E+00	2.06E-06	3.90E-07	2.48E-06	3.82E-07	3.47E-07	5.66E-06	5.85E-06	2.15E-06	2.92E-06	1.09E-06	5.85E-06	2.15E-06
5827	489493.8	3859349	1.84E-02	1.89E-02	1.78E-02	6.39E-06	1.93E-05	1.12E-05	1.14E-05	1.04E-05	4.73E-06	4.46E-06	0.00E+00	0.00E+00	2.05E-06	3.88E-07	2.46E-06	3.80E-07	3.45E-07	5.63E-06	5.82E-06	2.14E-06	2.91E-06	1.09E-06	5.82E-06	2.14E-06
5828	489321.3	3859240	2.33E-02	2.39E-02	2.25E-02	8.07E-06	2.44E-05	1.41E-05	1.44E-05	1.31E-05	5.97E-06	5.64E-06	0.00E+00	0.00E+00	2.59E-06	4.90E-07	3.11E-06	4.80E-07	4.36E-07	7.11E-06	7.36E-06	2.70E-06	3.67E-06	1.37E-06	7.36E-06	2.70E-06
5829	489235.4	3859194	2.30E-02	2.36E-02	2.23E-02	7.98E-06	2.41E-05	1.39E-05	1.43E-05	1.29E-05	5.91E-06	5.57E-06	0.00E+00	0.00E+00	2.56E-06	4.85E-07	3.08E-06	4.74E-07	4.31E-07	7.03E-06	7.27E-06	2.67E-06	3.63E-06	1.36E-06	7.27E-06	2.67E-06
5830	489149.5	3859148	2.19E-02	2.24E-02	2.12E-02	7.59E-06	2.29E-05	1.33E-05	1.36E-05	1.23E-05	5.62E-06	5.30E-06	0.00E+00	0.00E+00	2.44E-06	4.61E-07	2.93E-06	4.51E-07	4.10E-07	6.69E-06	6.92E-06	2.54E-06	3.45E-06	1.29E-06	6.92E-06	2.54E-06
5831	489063.7	3859102	2.18E-02	2.23E-02	2.11E-02	7.55E-06	2.28E-05	1.32E-05	1.35E-05	1.22E-05	5.59E-06	5.27E-06	0.00E+00	0.00E+00	2.43E-06	4.59E-07	2.91E-06	4.49E-07	4.08E-07	6.65E-06	6.88E-06	2.52E-06	3.43E-06	1.28E-06	6.88E-06	2.52E-06
5832	488977.8	3859056	2.16E-02	2.21E-02	2.09E-02	7.49E-06	2.26E-05	1.31E-05	1.34E-05	1.21E-05	5.54E-06	5.23E-06	0.00E+00	0.00E+00	2.41E-06	4.55E-07	2.89E-06	4.45E-07	4.05E-07	6.60E-06	6.83E-06	2.50E-06	3.41E-06	1.27E-06	6.83E-06	2.50E-06
5833	488891.9	3859010	2.09E-02	2.14E-02	2.02E-02	7.23E-06	2.18E-05	1.26E-05	1.29E-05	1.17E-05	5.35E-06	5.05E-06	0.00E+00	0.00E+00	2.32E-06	4.39E-07	2.79E-06	4.30E-07	3.91E-07	6.37E-06	6.59E-06	2.42E-06	3.29E-06	1.23E-06	6.59E-06	2.42E-06
5834	488808	3859061	7.28E-03	7.46E-03	7.04E-03	2.52E-06	7.61E-06	4.41E-06	4.51E-06	4.09E-06	1.87E-06	1.76E-06	0.00E+00	0.00E+00	8.11E-07	1.53E-07	9.72E-07	1.50E-07	1.36E-07	2.22E-06	2.30E-06	8.43E-07	1.15E-06	4.29E-07	2.30E-06	8.43E-07
5835	488809.9	3859158	4.38E-03	4.49E-03	4.23E-03	1.52E-06	4.58E-06	2.65E-06	2.71E-06	2.46E-06	1.12E-06	1.06E-06	0.00E+00	0.00E+00	4.88E-07	9.21E-08	5.85E-07	9.02E-08	8.20E-08	1.34E-06	1.38E-06	5.07E-07	6.90E-07	2.58E-07	1.38E-06	5.07E-07
5836	488811.9	3859255	3.16E-03	3.24E-03	3.06E-03	1.09E-06	3.31E-06	1.91E-06	1.96E-06	1.78E-06	8.11E-07	7.65E-07	0.00E+00	0.00E+00	3.52E-07	6.65E-08	4.22E-07	6.51E-08	5.92E-08	9.65E-07	9.98E-07	3.66E-07	4.98E-07	1.86E-07	9.98E-07	3.66E-07
5837	488813.8	3859352	2.50E-03	2.56E-03	2.41E-03	8.64E-07	2.61E-06	1.51E-06	1.55E-06	1.40E-06	6.40E-07	6.04E-07	0.00E+00	0.00E+00	2.78E-07	5.25E-08	3.33E-07	5.14E-08	4.68E-08	7.62E-07	7.88E-07	2.89E-07	3.93E-07	1.47E-07	7.88E-07	2.89E-07
5838	488815.7	3859449	2.08E-03	2.13E-03	2.01E-03	7.20E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.33E-07	5.03E-07	0.00E+00	0.00E+00	2.32E-07	4.38E-08	2.78E-07	4.28E-08	3.90E-08	6.35E-07	6.57E-07	2.41E-07	3.28E-07	1.23E-07	6.57E-07	2.41E-07
5839	488910	3859547	1.92E-03	1.97E-03	1.86E-03	6.66E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.93E-07	4.65E-07	0.00E+00	0.00E+00	2.14E-07	4.05E-08	2.57E-07	3.96E-08	3.60E-08	5.87E-07	6.07E-07	2.23E-07	3.03E-07	1.13E-07	6.07E-07	2.23E-07

5840	489002.5	3859548	2.09E-03	2.14E-03	2.02E-03	7.23E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.35E-07	5.05E-07	0.00E+00	0.00E+00	2.32E-07	4.39E-08	2.79E-07	4.30E-08	3.91E-08	6.37E-07	6.59E-07	2.42E-07	3.29E-07	1.23E-07	6.59E-07	2.42E-07
5841	489094.9	3859549	2.29E-03	2.35E-03	2.21E-03	7.93E-07	2.39E-06	1.39E-06	1.42E-06	1.29E-06	5.87E-07	5.54E-07	0.00E+00	0.00E+00	2.55E-07	4.82E-08	3.06E-07	4.71E-08	4.29E-08	6.99E-07	7.23E-07	2.65E-07	3.61E-07	1.35E-07	7.23E-07	2.65E-07
5842	489230.1	3859602	2.38E-03	2.44E-03	2.30E-03	8.25E-07	2.49E-06	1.44E-06	1.48E-06	1.34E-06	6.11E-07	5.76E-07	0.00E+00	0.00E+00	2.65E-07	5.01E-08	3.18E-07	4.90E-08	4.46E-08	7.27E-07	7.52E-07	2.76E-07	3.75E-07	1.40E-07	7.52E-07	2.76E-07
5843	489227.5	3859681	2.05E-03	2.10E-03	1.98E-03	7.09E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.25E-07	4.95E-07	0.00E+00	0.00E+00	2.28E-07	4.31E-08	2.73E-07	4.22E-08	3.84E-08	6.25E-07	6.47E-07	2.37E-07	3.23E-07	1.21E-07	6.47E-07	2.37E-07
5844	489133.5	3859760	1.69E-03	1.73E-03	1.63E-03	5.83E-07	1.76E-06	1.02E-06	1.04E-06	9.47E-07	4.32E-07	4.08E-07	0.00E+00	0.00E+00	1.88E-07	3.55E-08	2.25E-07	3.47E-08	3.16E-08	5.14E-07	5.32E-07	1.95E-07	2.66E-07	9.92E-08	5.32E-07	1.95E-07
5845	489042	3859761	1.58E-03	1.62E-03	1.53E-03	5.48E-07	1.65E-06	9.57E-07	9.80E-07	8.89E-07	4.06E-07	3.83E-07	0.00E+00	0.00E+00	1.76E-07	3.33E-08	2.11E-07	3.26E-08	2.96E-08	4.83E-07	4.99E-07	1.83E-07	2.49E-07	9.31E-08	4.99E-07	1.83E-07
5846	488950.5	3859761	1.49E-03	1.53E-03	1.44E-03	5.16E-07	1.56E-06	9.02E-07	9.24E-07	8.37E-07	3.82E-07	3.60E-07	0.00E+00	0.00E+00	1.66E-07	3.14E-08	1.99E-07	3.07E-08	2.79E-08	4.55E-07	4.70E-07	1.73E-07	2.35E-07	8.78E-08	4.70E-07	1.73E-07
5847	488858.9	3859761	1.41E-03	1.45E-03	1.36E-03	4.89E-07	1.48E-06	8.55E-07	8.75E-07	7.93E-07	3.62E-07	3.42E-07	0.00E+00	0.00E+00	1.57E-07	2.97E-08	1.89E-07	2.91E-08	2.64E-08	4.31E-07	4.46E-07	1.63E-07	2.23E-07	8.31E-08	4.46E-07	1.63E-07
5848	488767.4	3859762	1.34E-03	1.37E-03	1.29E-03	4.63E-07	1.40E-06	8.10E-07	8.30E-07	7.52E-07	3.43E-07	3.24E-07	0.00E+00	0.00E+00	1.49E-07	2.82E-08	1.79E-07	2.76E-08	2.51E-08	4.08E-07	4.22E-07	1.55E-07	2.11E-07	7.88E-08	4.22E-07	1.55E-07
5849	488675.9	3859762	1.28E-03	1.31E-03	1.23E-03	4.41E-07	1.33E-06	7.72E-07	7.90E-07	7.16E-07	3.27E-07	3.08E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.39E-08	3.89E-07	4.02E-07	1.48E-07	2.01E-07	7.51E-08	4.02E-07	1.48E-07
5850	488584.4	3859763	1.22E-03	1.25E-03	1.17E-03	4.21E-07	1.27E-06	7.36E-07	7.54E-07	6.83E-07	3.12E-07	2.94E-07	0.00E+00	0.00E+00	1.35E-07	2.56E-08	1.62E-07	2.50E-08	2.28E-08	3.71E-07	3.84E-07	1.41E-07	1.92E-07	7.16E-08	3.84E-07	1.41E-07
5851	488492.9	3859763	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.05E-07	7.22E-07	6.54E-07	2.98E-07	2.82E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.55E-07	2.40E-08	2.18E-08	3.55E-07	3.68E-07	1.35E-07	1.83E-07	6.86E-08	3.68E-07	1.35E-07
5852	488402.8	3859831	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.12E-06	6.46E-07	6.61E-07	5.99E-07	2.74E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.24E-08	1.42E-07	2.20E-08	2.00E-08	3.26E-07	3.37E-07	1.24E-07	1.68E-07	6.28E-08	3.37E-07	1.24E-07
5853	488404.1	3859899	1.02E-03	1.05E-03	9.87E-04	3.54E-07	1.07E-06	6.18E-07	6.33E-07	5.74E-07	2.62E-07	2.47E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.36E-07	2.10E-08	1.91E-08	3.12E-07	3.22E-07	1.18E-07	1.61E-07	6.01E-08	3.22E-07	1.18E-07
5854	488505.2	3859965	1.02E-03	1.04E-03	9.84E-04	3.53E-07	1.06E-06	6.16E-07	6.31E-07	5.72E-07	2.61E-07	2.46E-07	0.00E+00	0.00E+00	1.13E-07	2.14E-08	1.36E-07	2.10E-08	1.91E-08	3.11E-07	3.21E-07	1.18E-07	1.60E-07	5.99E-08	3.21E-07	1.18E-07
5855	488604.8	3859964	1.06E-03	1.08E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.54E-07	5.93E-07	2.70E-07	2.55E-07	0.00E+00	0.00E+00	1.17E-07	2.22E-08	1.41E-07	2.17E-08	1.98E-08	3.22E-07	3.33E-07	1.22E-07	1.66E-07	6.21E-08	3.33E-07	1.22E-07
5856	488704.5	3859963	1.10E-03	1.12E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.80E-07	6.17E-07	2.81E-07	2.65E-07	0.00E+00	0.00E+00	1.22E-07	2.31E-08	1.47E-07	2.26E-08	2.06E-08	3.35E-07	3.47E-07	1.27E-07	1.73E-07	6.46E-08	3.47E-07	1.27E-07
5857	488804.2	3859961	1.15E-03	1.17E-03	1.11E-03	3.97E-07	1.20E-06	6.94E-07	7.11E-07	6.44E-07	2.94E-07	2.77E-07	0.00E+00	0.00E+00	1.28E-07	2.41E-08	1.53E-07	2.36E-08	2.15E-08	3.50E-07	3.62E-07	1.33E-07	1.81E-07	6.75E-08	3.62E-07	1.33E-07
5858	488903.9	3859960	1.20E-03	1.23E-03	1.16E-03	4.16E-07	1.26E-06	7.27E-07	7.45E-07	6.75E-07	3.08E-07	2.90E-07	0.00E+00	0.00E+00	1.34E-07	2.53E-08	1.60E-07	2.47E-08	2.25E-08	3.67E-07	3.79E-07	1.39E-07	1.89E-07	7.07E-08	3.79E-07	1.39E-07
5859	489003.5	3859959	1.26E-03	1.29E-03	1.22E-03	4.36E-07	1.32E-06	7.62E-07	7.80E-07	7.07E-07	3.23E-07	3.04E-07	0.00E+00	0.00E+00	1.40E-07	2.65E-08	1.68E-07	2.59E-08	2.36E-08	3.84E-07	3.97E-07	1.46E-07	1.98E-07	7.41E-08	3.97E-07	1.46E-07
5860	489103.2	3859958	1.32E-03	1.36E-03	1.28E-03	4.58E-07	1.38E-06	8.01E-07	8.20E-07	7.44E-07	3.39E-07	3.20E-07	0.00E+00	0.00E+00	1.47E-07	2.78E-08	1.77E-07	2.73E-08	2.48E-08	4.04E-07	4.18E-07	1.53E-07	2.09E-07	7.79E-08	4.18E-07	1.53E-07
5861	489201.5	3860047	1.28E-03	1.31E-03	1.24E-03	4.43E-07	1.34E-06	7.74E-07	7.93E-07	7.19E-07	3.28E-07	3.09E-07	0.00E+00	0.00E+00	1.42E-07	2.69E-08	1.71E-07	2.63E-08	2.40E-08	3.90E-07	4.04E-07	1.48E-07	2.02E-07	7.53E-08	4.04E-07	1.48E-07
5862	489200.1	3860137	1.19E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.17E-07	7.34E-07	6.66E-07	3.04E-07	2.87E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.22E-08	3.62E-07	3.74E-07	1.37E-07	1.87E-07	6.98E-08	3.74E-07	1.37E-07
5863	489198.7	3860227	1.11E-03	1.14E-03	1.07E-03	3.84E-07	1.16E-06	6.72E-07	6.88E-07	6.23E-07	2.84E-07	2.68E-07	0.00E+00	0.00E+00	1.24E-07	2.33E-08	1.48E-07	2.28E-08	2.08E-08	3.39E-07	3.50E-07	1.28E-07	1.75E-07	6.53E-08	3.50E-07	1.28E-07
5864	489197.4	3860317	1.04E-03	1.07E-03	1.01E-03	3.62E-07	1.09E-06	6.32E-07	6.48E-07	5.87E-07	2.68E-07	2.53E-07	0.00E+00	0.00E+00	1.16E-07	2.20E-08	1.39E-07	2.15E-08	1.96E-08	3.19E-07	3.30E-07	1.21E-07	1.65E-07	6.15E-08	3.30E-07	1.21E-07
5865	489196	3860407	9.84E-04	1.01E-03	9.51E-04	3.41E-07	1.03E-06	5.96E-07	6.10E-07	5.53E-07	2.52E-07	2.38E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.31E-07	2.03E-08	1.84E-08	3.00E-07	3.11E-07	1.14E-07	1.55E-07	5.80E-08	3.11E-07	1.14E-07
5866	489194.6	3860497	9.22E-04	9.45E-04	8.91E-04	3.19E-07	9.64E-07	5.58E-07	5.72E-07	5.18E-07	2.36E-07	2.23E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.73E-08	2.81E-07	2.91E-07	1.07E-07	1.45E-07	5.43E-08	2.91E-07	1.07E-07
5867	489193.3	3860587	8.65E-04	8.86E-04	8.36E-04	2.99E-07	9.04E-07	5.23E-07	5.36E-07	4.86E-07	2.22E-07	2.09E-07	0.00E+00	0.00E+00	9.63E-08	1.82E-08	1.15E-07	1.78E-08	1.62E-08	2.64E-07	2.73E-07	1.00E-07	1.36E-07	5.09E-08	2.73E-07	1.00E-07
5868	489092	3860678	7.91E-04	8.10E-04	7.64E-04	2.74E-07	8.27E-07	4.79E-07	4.90E-07	4.44E-07	2.03E-07	1.91E-07	0.00E+00	0.00E+00	8.81E-08	1.66E-08	1.06E-07	1.63E-08	1.48E-08	2.41E-07	2.50E-07	9.16E-08	1.25E-07	4.66E-08	2.50E-07	9.16E-08
5869	488992.1	3860680	7.69E-04	7.88E-04	7.43E-04	2.66E-07	8.04E-07	4.65E-07	4.77E-07	4.32E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.56E-08	1.62E-08	1.03E-07	1.58E-08	1.44E-08	2.35E-07	2.43E-07	8.90E-08	1.21E-07	4.53E-08	2.43E-07	8.90E-08
5870	488892.2	3860681	7.51E-04	7.69E-04	7.26E-04	2.60E-07	7.85E-07	4.55E-07	4.66E-07	4.22E-07	1.93E-07	1.82E-07	0.00E+00	0.00E+00	8.36E-08	1.58E-08	1.00E-07	1.55E-08	1.41E-08	2.29E-07	2.37E-07	8.70E-08	1.18E-07	4.42E-08	2.37E-07	8.70E-08
5871	488792.4	3860682	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	0.00E+00	0.00E+00	8.17E-08	1.54E-08	9.79E-08	1.51E-08	1.37E-08	2.24E-07	2.32E-07	8.49E-08	1.16E-07	4.32E-08	2.32E-07	8.49E-08
5872	488692.5	3860684	7.17E-04	7.35E-04	6.93E-04	2.48E-07	7.50E-07	4.34E-07	4.45E-07	4.03E-07	1.84E-07	1.73E-07	0.00E+00	0.00E+00	7.98E-08	1.51E-08	9.57E-08	1.48E-08	1.34E-08	2.19E-07	2.26E-07	8.30E-08	1.13E-07	4.22E-08	2.26E-07	8.30E-08
5873	488592.6	3860685	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.80E-08	1.47E-08	9.36E-08	1.44E-08	1.31E-08	2.14E-07	2.21E-07	8.12E-08	1.10E-07	4.13E-08	2.21E-07	8.12E-08
5874	488492.7	3860686	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.66E-08	1.45E-08	9.18E-08	1.42E-08	1.29E-08	2.10E-07	2.17E-07	7.96E-08	1.08E-07	4.05E-08	2.17E-07	7.96E-08
5875	488299.1	3860762	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	0.00E+00	0.00E+00	7.20E-08	1.36E-08	8.63E-08	1.33E-08	1.21E-08	1.97E-07	2.04E-07	7.48E-08	1.02E-07	3.81E-08	2.04E-07	7.48E-08
5876	488205.3	3860764	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	0.00E+00	0.00E+00	7.06E-08	1.33E-08	8.47E-08	1.31E-08	1.19E-08	1.94E-07	2.00E-07	7.35E-08	1.00E-07	3.74E-08	2.00E-07	7.35E-08
5877	488111.6	3860766	6.21E-04	6.36E-04	6.00E-04	2.15E-07	6.49E-07	3.76E-07	3.85E-07	3.49E-07	1.59E-07	1.50E-07	0.00E+00	0.00E+00	6.92E-08	1.31E-08	8.29E-08	1.28E-08	1.16E-08	1.90E-07	1.96E-07	7.19E-08	9.79E-08	3.66E-08	1.96E-07	7.19E-08
5878	488017.8	3860768	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	0.00E+00	0.00E+00	6.79E-08	1.28E-08	8.14E-08	1.25E-08	1.14E-08	1.86E-07	1.92E-07	7.06E-08	9.60E-08	3.59E-08	1.92E-07	7.06E-08
5879	487924.1	3860770	5.96E-04	6.11E-04	5.76E-04	2.06E-07	6.23E-07	3.61E-07	3.70E-07	3.35E-07	1.53E-07	1.44E-07	0.00E+00	0.00E+00	6.64E-08	1.25E-08	7.96E-08	1.23E-08	1.12E-08	1.82E-07	1.88E-07	6.90E-08	9.39E-08	3.51E-08	1.88E-07	6.90E-08
5880	487830.3	3860772	5.86E-04	6.00E-04	5.66E-04	2.03E-07	6.12E-07	3.55E-07	3.63E-07	3.29E-07	1.50E-07	1.42E-07	0.00E+00	0.00E+00	6.52E-08	1.23E-08	7.82E-08	1.21E-08	1.10E-08	1.79E-07	1.85E-07	6.78E-08	9.23E-08	3.45E-08	1.85E-07	6.78E-08
5881	487736.6	3860774	5.74E-04	5.88E-04	5.55E-04	1.99E-07	6.00E-07	3.47E-07	3.56E-07	3.23E-07	1.47E-07	1.39E-07	0.00E+00	0.00E+00	6.39E-08	1.21E-08	7.66E-08	1.18E-08	1.07E-08	1.75E-07	1.81E-07	6.65E-08	9.04E-08	3.38E-08	1.81E-07	6.65E-08
5882	487642.8	3860776	5.65E-04	5.79E-04	5.46E-04	1.96E-07	5.91E-07	3.42E-07	3.50E-07	3.18E-07	1.45E-07	1.37E-07	0.00E+00	0.00E+00	6.29E-08	1.19E-08	7.55E-08	1.16E-08	1.06E-08	1.72E-07	1.78E-07	6.54E-08	8.90E-08	3.33E-08	1.78E-07	6.54E-08
5883	487549.5	3860685	5.74E-04	5.88E-04	5.55E-04	1.99E-07	6.00E-07	3.47E-07	3.56E-07	3.23E-07	1.47E-07	1.39E-07	0.00E+00	0.00E+00	6.39E-08	1.21E-08	7.66E-08	1.18E-08	1.07E-08	1.75E-07	1.81E-07	6.65E-08	9.04E-08	3.38E-08	1.81E-07	6.65E-08
5884	487549.9	3860592	5.93E-04	6.08E-04	5.73E-04	2.05E-07	6.20E-07	3.59E-07	3.68E-07	3.33E-07	1.52E-07	1.43E-07	0.00E+00	0.00E+00	6.60E-08	1.25E-08	7.92E-08	1.22E-08	1.11E-08	1.81E-07	1.87E-07	6.87E-08	9.35E-08	3.49E-08	1.87E-07	6.87E-08
5885	487550.3	3860499	6.14E-04	6.29E-04	5.93E-04	2.13E-07	6.42E-07	3.71E-07	3.80E-07	3.45E-07	1.57E-07	1.48E-07	0.00E+00	0.00E+00	6.83E-08	1.29E-08	8.20E-08	1.26E-08	1.15E-08	1.87E-07	1.94E-07	7.11E-08	9.67E-08	3.61E-08	1.94E-07	7.11E-08
5886	487550.8	3860406	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	0.00E+00	0.00E+00	7.11E-08	1.34E-08	8.53E-08	1.32E-08	1.20E-08	1.95E-07	2.02E-07	7.40E-08	1.01E-07	3.76E-08	2.02E-07	7.40E-08
5887	487551.2	3860314	6.67E-04	6.83E-04	6.44E-04	2.31E-07	6.97E-07	4.04E-07	4.13E-07	3.75E-07	1.71E-07	1.61E-07	0.00E+00	0.00E+00	7.43E-08	1.40E-08	8.90E-08	1.37E-08	1.25E-08	2.04E-07	2.11E-07	7.72E-08	1.05E-07	3.93E-08	2.11E-07	7.72E-08
5888	487551.6	3860221	6.98E-04	7.15E-04	6.74E-04	2.42E-07	7.30E-07	4.22E-07	4.33E-07	3.92E-07	1.79E-07	1.69E-07	0.00E+00	0.00E+00	7.77E-08	1.47E-08	9.32E-08	1.44E-08	1.31E-08	2.13E-07	2.20E-07	8.08E-08	1.10E-07	4.11E-08	2.20E-07	8.08E-08
5889	487552.1	3860128	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	0.00E+00	0.00E+00	8.17E-08	1.54E-08	9.79E-08	1.51E-08	1.37E-08	2.24E-07	2.32E-07	8.49E-08	1.16E-07	4.32E-08	2.32E-07	8.49E-08
5890	487552.5	3860036	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.54E-08	1.61E-08	1.02E-07	1.58E-08	1.44E-08	2.34E-07	2.42E-07	8.88E-08	1.21E-07	4.52E-08	2.42E-07	8.88E-08
5891	487552.9	3859943	7.97E-04	8.16E-04	7.70E-04	2.76E-07	8.33E-07	4.82E-07	4.94E-07	4.48E-07	2.04E-07	1.93E-07	0.00E+00	0.00E+00	8.87E-08	1.68E-08	1.06E-07	1.64E-08	1.49E-08	2.43E-07	2.52E-07	9.23E-08	1.26E-07	4.69E-08	2.52E-07	9.23E-08
5892	487553.3	3859850	8.29E-04	8.50E-04	8.01E-04	2.87E-07	8.67E-07	5.02E-07	5.14E-07	4.66E-07	2.13E-07	2.01E-07	0.00E+00	0.00E+00	9.23E-08	1.74E-08	1.11E-07	1.71E-08	1.55E-08	2.53E-07	2.62E-07	9.60E-08	1.31E-07	4.88E-08	2.62E-07	9.60E-08
5893	487553.8	3859757	8.60E-04	8.81E-04	8.31E-04	2.98E-07	8.99E-07	5.21E-07	5.33E-07	4.83E-07	2.21E-07	2.08E-07	0.00E+00	0.00E+00	9.58E-08	1.81E-08	1.15E-07	1.77E-08	1.61E-08	2.63E-07	2.72E-07	9.96E-08	1.36E-07	5.07E-08	2.72E-07	9.96E-08
5894	487554.2	3859665	8.94E-04	9.16E-04	8.64E-04	3.10E-07	9.35E-07	5.41E-07	5.54E-07	5.02E-07	2.29E-07	2.16E-07	0.00E+00	0.00E+00	9.96E-08	1.88E-08	1.19E-07	1.84E-08	1.67E-08	2.73E-07	2.82E-07	1.04E-07	1.41E-07	5.27E-08	2.82E-07	1.04E-07
5895	487460.2	3859571	9.12E-04	9.34E-04	8.81E-04	3.16E-07	9.53E-07	5.52E-07	5.65E-07	5.12E-07	2.34E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.71E-08	2.78E-07	2.88E-07	1.06E-07	1.44E-07	5.37E-08	2.88E-07	1.06E-07
5896	487365.8	3859570	8.88E-04	9.10E-04	8.58E-04	3.08E-07	9.29E-07	5.38E-07	5.51E-07	4.99E-07	2.28E-07	2.15E-07	0.00E+00	0.00E+00	9.89E-08	1.87E-08	1.19E-07	1.83E-08	1.66E-08	2.71E-07	2.80E-07	1.03E-07	1.40E-07	5.23E-08	2.80E-07	1.03E-07
5897	487271.4	3859569	8.68E-04	8.89E-04	8.38E-04	3.00E-07	9.07E-07	5.25E-07	5.38E-07	4.88E-07	2.22E-07	2.10E-07	0.00E+00	0.00E+00	9.66E-08	1.83E-08	1.16E-07	1.79E-08	1.62E-08	2.65E-07	2.74E-07	1.00E-07	1.37E-07	5.11E-08	2.74E-07	1.00E-07
5898	487176.9	3859569	8.47E-04	8.68E-04	8.18E-04	2.93E-07	8.85E-07	5.13E-07	5.25E-07	4.76E-07	2.17E-07	2.05E-07	0.00E+00	0.00E+00	9.43E-08	1.78E-08	1.13E-07	1.74E-08	1.59E-08	2.58E-07	2.67E-07	9.81E-08	1.33E-07	4.99E-08	2.67E-07	9.81E-08
5899	487082.5	3859568	8.28E-04	8.48E-04	8.00E-04	2.87E-07	8.65E-07	5.01E-07	5.13E-07	4.65E-07	2.12E-07	2.00E-07	0.00E+00	0.00E+00	9.22E-08	1.74E-08	1.11E-07	1.70E-08	1.55E-08	2.53E-07	2.61E-07	9.58E-08	1.30E-07	4.87E-08	2.61E-07	9.58E-08
5900	486988.1	3859567	8.09E-04	8.28E-04	7.81E-04	2.80E-07	8.45E-07	4.89E-07	5.01E-07	4.54E-07	2.07E-07	1.96E-07	0.00E+00	0.00E+00	9.00E-08	1.70E-08	1.08E-07	1.66E-08	1.51E-08	2.47E-07	2.55E-07	9.36E-08	1.27E-07	4.76E-08	2.55E-07	9.36E-08
5901	486893.7	3859566	7.91E-04	8.10E-04	7.64E-04	2.74E-07	8.27E-07	4.79E-07	4.90E-07	4.44E-07	2.03E-07	1.91E-07	0.00E+00	0.00E+00	8.81E-08	1.66E-08	1.06E-07	1.63E-08	1.48E-08	2.41E-07	2.50E-07	9.16E-08	1.25E-07	4.66E-08	2.50E-07	9.16E-08
5902	486799.3	3859566	7.75E-04	7.94E-04	7.49E-04	2.68E-07	8.10E-07	4.69E-07	4.80E-07	4.35E-07	1.99E-07	1.87E-07	0.00E+00	0.00E+00	8.63E-08	1.63E-08	1.03E-07	1.59E-08	1.45E-08	2.36E-07	2.45E-07	8.97E-08	1.22E-07	4.56E-08	2.45E-07	8.97E-08
5903	486704.8	3859565	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	0.00E+00	0.00E+00	8.44E-08	1.60E-08	1.01E-07	1.56E-08	1.42E-08	2.31E-07	2.39E-07	8.78E-08	1.20E-07	4.47E-08	2.39E-07	8.78E-08
5904	486610.4	3859564	7.44E-04	7.62E-04	7.19E-04	2.57E-07	7.77E-07	4.50E-07	4.61E-07	4.18E-07	1.91E-07	1.80E-07	0.00E+00	0.00E+00	8.28E-08	1.56E-08	9.93E-08	1.53E-08	1.39E-08	2.27E-07	2.35E-07	8.61E-08	1.17E-07	4.38E-08	2.35E-07	8.61E-08
5905	486516	3859563	7.28E-04	7.45E-04	7.03E-04	2.52E-07	7.60E-07	4.40E-07	4.51E-07	4.09E-07	1.87E-07	1.76E-07	0.00E+00	0.00E+00	8.10E-08	1.53E-08	9.71E-08	1.50E-08	1.36E-08	2.22E-07	2.30E-07	8.42E-08	1.15E-07	4.28E-08	2.30E-07	8.42E-08
5906	486421.6	3859562	7.13E-04	7.30E-04	6.89E-04	2.47E-07	7.45E-07	4.31E-07	4.42E-07	4.00E-07	1.83E-07	1.72E-07	0.00E+00	0.00E+00	7.94E-08	1.50E-08	9.52E-08	1.47E-08	1.33E-08	2.18E-07	2.25E-07	8.25E-08	1.12E-07	4.20E-08	2.25E-07	8.25E-08
5907	486327.1	3859562	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	0.00E+00	0.00E+00	7.80E-08	1.47E-08	9.36E-08	1.44E-08	1.31E-08	2.14E-07	2.21E-07	8.12E-08	1.10E-07	4.13E-08	2.21E-07	8.12E-08
5908	486232.7	3859561	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.64E-08	1.44E-08	9.16E-08	1.41E-08	1.28E-08	2.09E-07	2.17E-07	7.94E-08	1.08E-07	4.04E-08	2.17E-07	7.94E-08
5909	486138.3	3859560	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	0.00E+00	0.00E+00	7.49E-08	1.42E-08	8.98E-08	1.39E-08	1.26E-08	2.05E-07	2.12E-07	7.79E-08	1.06E-07	3.96E-08	2.12E-07	7.79E-08
5910	486043.9	3859559	6.60E-04	6.76E-04	6.37E-04	2.28E-07	6.90E-07	3.99E-07	4.09E-07	3.71E-07	1.69E-07	1.60E-07	0.00E+00	0.00E+00	7.34E-08	1.39E-08	8.81E-08	1.36E-08	1.24E-08	2.01E-07	2.08E-07	7.64E-08	1.04E-07	3.88E-08	2.08E-07	7.64E-08
5911	485949.4	3859464	6.67E-04	6.83E-04	6.44E-04	2.31E-07	6.97E-07	4.04E-07	4.13E-07	3.75E-07	1.71E-07	1.61E-07	0.00E+00	0.00E+00	7.43E-08	1.40E-08	8.90E-08	1.37E-08	1.25E-08	2.04E-07	2.11E-07	7.72E-08	1.05E-07	3.93E-08	2.11E-07	7.72E-08
5912	485949.2	3859369	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	0.00E+00	0.00E+00	7.66E-08	1.45E-08	9.18E-08	1.42E-08	1.29E-08	2.10E-07	2.17E-07	7.96E-08	1.08E-07	4.05E-08	2.17E-07	7.96E-08
5913	485949.1	3859274	7.10E-04	7.27E-04	6.86E-04	2.46E-07	7.42E-07	4.30E-07	4.40E-07	3.99E-07	1.82E-07	1.72E-07	0.00E+00	0.00E+00	7.90E-08	1.49E-08	9.48E-08	1.46E-08	1.33E-08	2.17E-07	2.24E-07	8.22E-08	1.12E-07	4.18E-08	2.24E-07	8.22E-08

5914	485949	3859179	7.32E-04	7.50E-04	7.07E-04	2.53E-07	7.65E-07	4.43E-07	4.54E-07	4.11E-07	1.88E-07	1.77E-07	0.00E+00	0.00E+00	8.15E-08	1.54E-08	9.77E-08	1.51E-08	1.37E-08	2.23E-07	2.31E-07	8.47E-08	1.15E-07	4.31E-08	2.31E-07	8.47E-08
5915	485948.9	3859084	7.60E-04	7.78E-04	7.34E-04	2.63E-07	7.94E-07	4.60E-07	4.71E-07	4.27E-07	1.95E-07	1.84E-07	0.00E+00	0.00E+00	8.46E-08	1.60E-08	1.01E-07	1.56E-08	1.42E-08	2.32E-07	2.40E-07	8.80E-08	1.20E-07	4.47E-08	2.40E-07	8.80E-08
5916	485948.8	3858989	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	0.00E+00	0.00E+00	8.82E-08	1.67E-08	1.06E-07	1.63E-08	1.48E-08	2.42E-07	2.50E-07	9.17E-08	1.25E-07	4.67E-08	2.50E-07	9.17E-08
5917	485948.7	3858894	8.29E-04	8.50E-04	8.01E-04	2.87E-07	8.67E-07	5.02E-07	5.14E-07	4.66E-07	2.13E-07	2.01E-07	0.00E+00	0.00E+00	9.23E-08	1.74E-08	1.11E-07	1.71E-08	1.55E-08	2.53E-07	2.62E-07	9.60E-08	1.31E-07	4.88E-08	2.62E-07	9.60E-08
5918	485948.6	3858799	8.72E-04	8.93E-04	8.43E-04	3.02E-07	9.12E-07	5.28E-07	5.41E-07	4.90E-07	2.24E-07	2.11E-07	0.00E+00	0.00E+00	9.71E-08	1.83E-08	1.16E-07	1.80E-08	1.63E-08	2.66E-07	2.75E-07	1.01E-07	1.37E-07	5.13E-08	2.75E-07	1.01E-07
5919	485948.5	3858704	9.18E-04	9.40E-04	8.87E-04	3.18E-07	9.59E-07	5.55E-07	5.69E-07	5.16E-07	2.35E-07	2.22E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.23E-07	1.89E-08	1.72E-08	2.80E-07	2.90E-07	1.06E-07	1.45E-07	5.40E-08	2.90E-07	1.06E-07
5920	485948.3	3858609	9.71E-04	9.95E-04	9.38E-04	3.36E-07	1.02E-06	5.88E-07	6.02E-07	5.46E-07	2.49E-07	2.35E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.30E-07	2.00E-08	1.82E-08	2.96E-07	3.07E-07	1.12E-07	1.53E-07	5.72E-08	3.07E-07	1.12E-07
5921	485948.2	3858514	1.03E-03	1.06E-03	9.95E-04	3.57E-07	1.08E-06	6.23E-07	6.38E-07	5.79E-07	2.64E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.12E-08	1.93E-08	3.14E-07	3.25E-07	1.19E-07	1.62E-07	6.06E-08	3.25E-07	1.19E-07
5922	485948.1	3858419	1.10E-03	1.12E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.80E-07	6.16E-07	2.81E-07	2.65E-07	0.00E+00	0.00E+00	1.22E-07	2.31E-08	1.46E-07	2.26E-08	2.05E-08	3.35E-07	3.46E-07	1.27E-07	1.73E-07	6.46E-08	3.46E-07	1.27E-07
5923	485948	3858324	1.18E-03	1.20E-03	1.14E-03	4.07E-07	1.23E-06	7.12E-07	7.29E-07	6.61E-07	3.02E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.20E-08	3.59E-07	3.71E-07	1.36E-07	1.85E-07	6.92E-08	3.71E-07	1.36E-07
5924	485947.9	3858229	1.26E-03	1.30E-03	1.22E-03	4.38E-07	1.32E-06	7.65E-07	7.84E-07	7.11E-07	3.24E-07	3.06E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.60E-08	2.37E-08	3.86E-07	3.99E-07	1.46E-07	1.99E-07	7.45E-08	3.99E-07	1.46E-07
5925	485947.8	3858134	1.37E-03	1.40E-03	1.32E-03	4.75E-07	1.43E-06	8.30E-07	8.50E-07	7.70E-07	3.51E-07	3.32E-07	0.00E+00	0.00E+00	1.53E-07	2.88E-08	1.83E-07	2.82E-08	2.57E-08	4.18E-07	4.33E-07	1.59E-07	2.16E-07	8.07E-08	4.33E-07	1.59E-07
5926	485947.7	3858039	1.51E-03	1.55E-03	1.46E-03	5.24E-07	1.58E-06	9.16E-07	9.38E-07	8.51E-07	3.88E-07	3.66E-07	0.00E+00	0.00E+00	1.69E-07	3.19E-08	2.02E-07	3.12E-08	2.84E-08	4.62E-07	4.78E-07	1.75E-07	2.39E-07	8.91E-08	4.78E-07	1.75E-07
5927	485854.5	3857943	1.56E-03	1.59E-03	1.50E-03	5.38E-07	1.63E-06	9.41E-07	9.64E-07	8.74E-07	3.99E-07	3.76E-07	0.00E+00	0.00E+00	1.73E-07	3.27E-08	2.08E-07	3.20E-08	2.91E-08	4.75E-07	4.91E-07	1.80E-07	2.45E-07	9.16E-08	4.91E-07	1.80E-07
5928	485761.5	3857943	1.45E-03	1.49E-03	1.40E-03	5.03E-07	1.52E-06	8.80E-07	9.01E-07	8.17E-07	3.73E-07	3.51E-07	0.00E+00	0.00E+00	1.62E-07	3.06E-08	1.94E-07	2.99E-08	2.72E-08	4.44E-07	4.59E-07	1.68E-07	2.29E-07	8.56E-08	4.59E-07	1.68E-07
5929	485668.5	3857943	1.37E-03	1.40E-03	1.32E-03	4.75E-07	1.43E-06	8.30E-07	8.50E-07	7.70E-07	3.51E-07	3.32E-07	0.00E+00	0.00E+00	1.53E-07	2.88E-08	1.83E-07	2.82E-08	2.57E-08	4.18E-07	4.33E-07	1.59E-07	2.16E-07	8.07E-08	4.33E-07	1.59E-07
5930	485575.5	3857943	1.29E-03	1.32E-03	1.25E-03	4.48E-07	1.35E-06	7.82E-07	8.01E-07	7.26E-07	3.31E-07	3.13E-07	0.00E+00	0.00E+00	1.44E-07	2.72E-08	1.73E-07	2.66E-08	2.42E-08	3.94E-07	4.08E-07	1.50E-07	2.04E-07	7.61E-08	4.08E-07	1.50E-07
5931	485482.5	3857942	1.23E-03	1.26E-03	1.19E-03	4.25E-07	1.28E-06	7.43E-07	7.61E-07	6.90E-07	3.15E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.58E-08	1.64E-07	2.53E-08	2.30E-08	3.75E-07	3.88E-07	1.42E-07	1.93E-07	7.23E-08	3.88E-07	1.42E-07
5932	485389.5	3857942	1.17E-03	1.20E-03	1.13E-03	4.05E-07	1.22E-06	7.07E-07	7.24E-07	6.57E-07	3.00E-07	2.83E-07	0.00E+00	0.00E+00	1.30E-07	2.46E-08	1.56E-07	2.41E-08	2.19E-08	3.57E-07	3.69E-07	1.35E-07	1.84E-07	6.88E-08	3.69E-07	1.35E-07
5933	485296.5	3857942	1.11E-03	1.14E-03	1.08E-03	3.86E-07	1.16E-06	6.74E-07	6.91E-07	6.26E-07	2.86E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.09E-08	3.40E-07	3.52E-07	1.29E-07	1.76E-07	6.56E-08	3.52E-07	1.29E-07
5934	485203.5	3857942	1.07E-03	1.09E-03	1.03E-03	3.70E-07	1.12E-06	6.47E-07	6.62E-07	6.00E-07	2.74E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.25E-08	1.43E-07	2.20E-08	2.00E-08	3.26E-07	3.37E-07	1.24E-07	1.68E-07	6.29E-08	3.37E-07	1.24E-07
5935	485110.4	3857941	1.02E-03	1.05E-03	9.88E-04	3.54E-07	1.07E-06	6.19E-07	6.34E-07	5.75E-07	2.62E-07	2.47E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.37E-07	2.11E-08	1.91E-08	3.12E-07	3.23E-07	1.18E-07	1.61E-07	6.02E-08	3.23E-07	1.18E-07
5936	485017.4	3857941	9.80E-04	1.00E-03	9.47E-04	3.39E-07	1.02E-06	5.93E-07	6.07E-07	5.51E-07	2.51E-07	2.37E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.02E-08	1.83E-08	2.99E-07	3.09E-07	1.13E-07	1.54E-07	5.77E-08	3.09E-07	1.13E-07
5937	484924.4	3857941	9.40E-04	9.63E-04	9.08E-04	3.25E-07	9.83E-07	5.69E-07	5.83E-07	5.28E-07	2.41E-07	2.27E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.25E-07	1.94E-08	1.76E-08	2.87E-07	2.97E-07	1.09E-07	1.48E-07	5.53E-08	2.97E-07	1.09E-07
5938	484831.4	3857940	9.03E-04	9.25E-04	8.73E-04	3.13E-07	9.44E-07	5.47E-07	5.60E-07	5.07E-07	2.32E-07	2.18E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.69E-08	2.76E-07	2.85E-07	1.05E-07	1.42E-07	5.32E-08	2.85E-07	1.05E-07
5939	484738.1	3857859	9.05E-04	9.27E-04	8.74E-04	3.13E-07	9.46E-07	5.47E-07	5.61E-07	5.08E-07	2.32E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.69E-08	2.76E-07	2.86E-07	1.05E-07	1.43E-07	5.33E-08	2.86E-07	1.05E-07
5940	484737.9	3857778	9.46E-04	9.69E-04	9.14E-04	3.27E-07	9.89E-07	5.72E-07	5.86E-07	5.31E-07	2.43E-07	2.29E-07	0.00E+00	0.00E+00	1.05E-07	1.99E-08	1.26E-07	1.95E-08	1.77E-08	2.89E-07	2.99E-07	1.10E-07	1.49E-07	5.57E-08	2.99E-07	1.10E-07
5941	484737.6	3857697	9.90E-04	1.01E-03	9.57E-04	3.43E-07	1.04E-06	5.99E-07	6.14E-07	5.56E-07	2.54E-07	2.39E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.04E-08	1.85E-08	3.02E-07	3.13E-07	1.15E-07	1.56E-07	5.83E-08	3.13E-07	1.15E-07
5942	484737.3	3857617	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.28E-07	6.43E-07	5.83E-07	2.66E-07	2.51E-07	0.00E+00	0.00E+00	1.15E-07	2.18E-08	1.38E-07	2.14E-08	1.94E-08	3.17E-07	3.27E-07	1.20E-07	1.63E-07	6.11E-08	3.27E-07	1.20E-07
5943	484645.5	3857535	1.04E-03	1.07E-03	1.01E-03	3.61E-07	1.09E-06	6.30E-07	6.46E-07	5.85E-07	2.67E-07	2.52E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	1.95E-08	3.18E-07	3.29E-07	1.21E-07	1.64E-07	6.13E-08	3.29E-07	1.21E-07
5944	484554	3857535	9.96E-04	1.02E-03	9.62E-04	3.45E-07	1.04E-06	6.03E-07	6.17E-07	5.60E-07	2.55E-07	2.41E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.33E-07	2.05E-08	1.87E-08	3.04E-07	3.14E-07	1.15E-07	1.57E-07	5.86E-08	3.14E-07	1.15E-07
5945	484462.5	3857534	9.55E-04	9.78E-04	9.23E-04	3.31E-07	9.98E-07	5.78E-07	5.92E-07	5.36E-07	2.45E-07	2.31E-07	0.00E+00	0.00E+00	1.06E-07	2.01E-08	1.27E-07	1.97E-08	1.79E-08	2.91E-07	3.01E-07	1.11E-07	1.50E-07	5.62E-08	3.01E-07	1.11E-07
5946	484370.9	3857534	9.18E-04	9.40E-04	8.87E-04	3.18E-07	9.59E-07	5.55E-07	5.69E-07	5.16E-07	2.35E-07	2.22E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.23E-07	1.89E-08	1.72E-08	2.80E-07	2.90E-07	1.06E-07	1.45E-07	5.40E-08	2.90E-07	1.06E-07
5947	484279.4	3857533	8.84E-04	9.05E-04	8.54E-04	3.06E-07	9.24E-07	5.35E-07	5.48E-07	4.97E-07	2.27E-07	2.14E-07	0.00E+00	0.00E+00	9.84E-08	1.86E-08	1.18E-07	1.82E-08	1.66E-08	2.70E-07	2.79E-07	1.02E-07	1.39E-07	5.20E-08	2.79E-07	1.02E-07
5948	484187.9	3857533	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	0.00E+00	0.00E+00	9.51E-08	1.80E-08	1.14E-07	1.76E-08	1.60E-08	2.61E-07	2.70E-07	9.89E-08	1.35E-07	5.03E-08	2.70E-07	9.89E-08
5949	484096.3	3857532	8.28E-04	8.48E-04	8.00E-04	2.87E-07	8.65E-07	5.01E-07	5.13E-07	4.65E-07	2.12E-07	2.00E-07	0.00E+00	0.00E+00	9.22E-08	1.74E-08	1.11E-07	1.70E-08	1.55E-08	2.53E-07	2.61E-07	9.58E-08	1.30E-07	4.87E-08	2.61E-07	9.58E-08
5950	484004.8	3857532	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	0.00E+00	0.00E+00	8.95E-08	1.69E-08	1.07E-07	1.66E-08	1.51E-08	2.45E-07	2.54E-07	9.31E-08	1.27E-07	4.74E-08	2.54E-07	9.31E-08
5951	483913.3	3857531	7.82E-04	8.01E-04	7.56E-04	2.71E-07	8.18E-07	4.73E-07	4.85E-07	4.39E-07	2.01E-07	1.89E-07	0.00E+00	0.00E+00	8.71E-08	1.65E-08	1.04E-07	1.61E-08	1.46E-08	2.39E-07	2.47E-07	9.05E-08	1.23E-07	4.60E-08	2.47E-07	9.05E-08
5952	483821.7	3857531	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	0.00E+00	0.00E+00	8.48E-08	1.60E-08	1.02E-07	1.57E-08	1.43E-08	2.32E-07	2.40E-07	8.82E-08	1.20E-07	4.48E-08	2.40E-07	8.82E-08
5953	483729.6	3857450	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	0.00E+00	0.00E+00	8.51E-08	1.61E-08	1.02E-07	1.57E-08	1.43E-08	2.33E-07	2.41E-07	8.85E-08	1.20E-07	4.50E-08	2.41E-07	8.85E-08
5954	483729	3857370	7.90E-04	8.09E-04	7.63E-04	2.73E-07	8.25E-07	4.78E-07	4.89E-07	4.44E-07	2.02E-07	1.91E-07	0.00E+00	0.00E+00	8.79E-08	1.66E-08	1.05E-07	1.63E-08	1.48E-08	2.41E-07	2.49E-07	9.14E-08	1.24E-07	4.65E-08	2.49E-07	9.14E-08
5955	483728.4	3857290	8.16E-04	8.36E-04	7.88E-04	2.83E-07	8.53E-07	4.94E-07	5.06E-07	4.59E-07	2.09E-07	1.97E-07	0.00E+00	0.00E+00	9.09E-08	1.72E-08	1.09E-07	1.68E-08	1.53E-08	2.49E-07	2.58E-07	9.45E-08	1.29E-07	4.80E-08	2.58E-07	9.45E-08
5956	483727.9	3857210	8.43E-04	8.63E-04	8.14E-04	2.92E-07	8.81E-07	5.10E-07	5.22E-07	4.73E-07	2.16E-07	2.04E-07	0.00E+00	0.00E+00	9.38E-08	1.77E-08	1.12E-07	1.73E-08	1.58E-08	2.57E-07	2.66E-07	9.76E-08	1.33E-07	4.96E-08	2.66E-07	9.76E-08
5957	483641.2	3857129	8.47E-04	8.68E-04	8.18E-04	2.93E-07	8.85E-07	5.13E-07	5.25E-07	4.76E-07	2.17E-07	2.05E-07	0.00E+00	0.00E+00	9.43E-08	1.78E-08	1.13E-07	1.74E-08	1.59E-08	2.58E-07	2.67E-07	9.81E-08	1.33E-07	4.99E-08	2.67E-07	9.81E-08
5958	483555	3857128	8.22E-04	8.42E-04	7.94E-04	2.85E-07	8.59E-07	4.97E-07	5.09E-07	4.62E-07	2.11E-07	1.99E-07	0.00E+00	0.00E+00	9.15E-08	1.73E-08	1.10E-07	1.69E-08	1.54E-08	2.51E-07	2.59E-07	9.52E-08	1.30E-07	4.84E-08	2.59E-07	9.52E-08
5959	483468.9	3857127	7.98E-04	8.18E-04	7.71E-04	2.76E-07	8.35E-07	4.83E-07	4.95E-07	4.49E-07	2.05E-07	1.93E-07	0.00E+00	0.00E+00	8.89E-08	1.68E-08	1.07E-07	1.64E-08	1.49E-08	2.44E-07	2.52E-07	9.24E-08	1.26E-07	4.70E-08	2.52E-07	9.24E-08
5960	483382.8	3857126	7.78E-04	7.97E-04	7.51E-04	2.69E-07	8.13E-07	4.71E-07	4.82E-07	4.37E-07	1.99E-07	1.88E-07	0.00E+00	0.00E+00	8.66E-08	1.64E-08	1.04E-07	1.60E-08	1.46E-08	2.37E-07	2.45E-07	9.00E-08	1.23E-07	4.58E-08	2.45E-07	9.00E-08
5961	483296.7	3857125	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	0.00E+00	0.00E+00	8.44E-08	1.60E-08	1.01E-07	1.56E-08	1.42E-08	2.31E-07	2.39E-07	8.78E-08	1.20E-07	4.47E-08	2.39E-07	8.78E-08
5962	483210.5	3857124	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	0.00E+00	0.00E+00	8.23E-08	1.56E-08	9.87E-08	1.52E-08	1.38E-08	2.26E-07	2.33E-07	8.56E-08	1.16E-07	4.35E-08	2.33E-07	8.56E-08
5963	483123.4	3857031	7.45E-04	7.63E-04	7.20E-04	2.58E-07	7.79E-07	4.51E-07	4.62E-07	4.19E-07	1.91E-07	1.80E-07	0.00E+00	0.00E+00	8.30E-08	1.57E-08	9.95E-08	1.53E-08	1.40E-08	2.27E-07	2.35E-07	8.63E-08	1.17E-07	4.39E-08	2.35E-07	8.63E-08
5964	483122.4	3856938	7.70E-04	7.89E-04	7.44E-04	2.67E-07	8.05E-07	4.66E-07	4.77E-07	4.33E-07	1.97E-07	1.86E-07	0.00E+00	0.00E+00	8.58E-08	1.62E-08	1.03E-07	1.59E-08	1.44E-08	2.35E-07	2.43E-07	8.92E-08	1.21E-07	4.54E-08	2.43E-07	8.92E-08
5965	483121.4	3856846	7.95E-04	8.15E-04	7.69E-04	2.75E-07	8.31E-07	4.81E-07	4.93E-07	4.47E-07	2.04E-07	1.92E-07	0.00E+00	0.00E+00	8.86E-08	1.67E-08	1.06E-07	1.64E-08	1.49E-08	2.43E-07	2.51E-07	9.21E-08	1.25E-07	4.68E-08	2.51E-07	9.21E-08
5966	483120.3	3856753	8.21E-04	8.40E-04	7.93E-04	2.84E-07	8.58E-07	4.97E-07	5.09E-07	4.61E-07	2.10E-07	1.98E-07	0.00E+00	0.00E+00	9.13E-08	1.73E-08	1.10E-07	1.69E-08	1.54E-08	2.50E-07	2.59E-07	9.50E-08	1.29E-07	4.83E-08	2.59E-07	9.50E-08
5967	483119.3	3856661	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	0.00E+00	0.00E+00	9.45E-08	1.79E-08	1.13E-07	1.75E-08	1.59E-08	2.59E-07	2.68E-07	9.82E-08	1.34E-07	5.00E-08	2.68E-07	9.82E-08
5968	483118.3	3856568	8.80E-04	9.01E-04	8.50E-04	3.04E-07	9.19E-07	5.32E-07	5.45E-07	4.94E-07	2.25E-07	2.13E-07	0.00E+00	0.00E+00	9.79E-08	1.85E-08	1.17E-07	1.81E-08	1.65E-08	2.68E-07	2.78E-07	1.02E-07	1.39E-07	5.18E-08	2.78E-07	1.02E-07
5969	483117.3	3856476	9.15E-04	9.37E-04	8.84E-04	3.17E-07	9.56E-07	5.54E-07	5.67E-07	5.14E-07	2.35E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.71E-08	2.79E-07	2.89E-07	1.06E-07	1.44E-07	5.39E-08	2.89E-07	1.06E-07
5970	483116.2	3856384	9.53E-04	9.77E-04	9.21E-04	3.30E-07	9.97E-07	5.77E-07	5.91E-07	5.36E-07	2.44E-07	2.31E-07	0.00E+00	0.00E+00	1.06E-07	2.01E-08	1.27E-07	1.96E-08	1.79E-08	2.91E-07	3.01E-07	1.10E-07	1.50E-07	5.61E-08	3.01E-07	1.10E-07
5971	483115.2	3856291	9.95E-04	1.02E-03	9.61E-04	3.44E-07	1.04E-06	6.02E-07	6.16E-07	5.59E-07	2.55E-07	2.41E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.33E-07	2.05E-08	1.86E-08	3.04E-07	3.14E-07	1.15E-07	1.57E-07	5.86E-08	3.14E-07	1.15E-07
5972	483114.2	3856199	1.04E-03	1.07E-03	1.01E-03	3.60E-07	1.09E-06	6.30E-07	6.45E-07	5.85E-07	2.67E-07	2.52E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	1.95E-08	3.17E-07	3.28E-07	1.20E-07	1.64E-07	6.13E-08	3.28E-07	1.20E-07
5973	483113.2	3856106	1.10E-03	1.12E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.80E-07	6.17E-07	2.81E-07	2.65E-07	0.00E+00	0.00E+00	1.22E-07	2.31E-08	1.47E-07	2.26E-08	2.06E-08	3.35E-07	3.47E-07	1.27E-07	1.73E-07	6.46E-08	3.47E-07	1.27E-07
5974	483112.2	3856014	1.16E-03	1.19E-03	1.12E-03	4.02E-07	1.21E-06	7.03E-07	7.20E-07	6.53E-07	2.98E-07	2.81E-07	0.00E+00	0.00E+00	1.29E-07	2.44E-08	1.55E-07	2.39E-08	2.17E-08	3.54E-07	3.67E-07	1.34E-07	1.83E-07	6.84E-08	3.67E-07	1.34E-07
5975	483029.3	3855920	1.18E-03	1.20E-03	1.14E-03	4.07E-07	1.23E-06	7.12E-07	7.29E-07	6.61E-07	3.02E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.20E-08	3.59E-07	3.71E-07	1.36E-07	1.85E-07	6.92E-08	3.71E-07	1.36E-07
5976	482947.4	3855920	1.12E-03	1.15E-03	1.08E-03	3.88E-07	1.17E-06	6.79E-07	6.95E-07	6.30E-07	2.88E-07	2.71E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.50E-07	2.31E-08	2.10E-08	3.42E-07	3.54E-07	1.30E-07	1.77E-07	6.60E-08	3.54E-07	1.30E-07
5977	482865.5	3855919	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.49E-07	6.65E-07	6.03E-07	2.75E-07	2.59E-07	0.00E+00	0.00E+00	1.19E-07	2.26E-08	1.43E-07	2.21E-08	2.01E-08	3.27E-07	3.39E-07	1.24E-07	1.69E-07	6.32E-08	3.39E-07	1.24E-07
5978	482783.6	3855919	1.03E-03	1.06E-03	9.97E-04	3.57E-07	1.08E-06	6.24E-07	6.39E-07	5.80E-07	2.64E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.12E-08	1.93E-08	3.15E-07	3.26E-07	1.19E-07	1.63E-07	6.07E-08	3.26E-07	1.19E-07
5979	482700.3	3855818	1.04E-03	1.07E-03	1.01E-03	3.61E-07	1.09E-06	6.30E-07	6.46E-07	5.85E-07	2.67E-07	2.52E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	1.95E-08	3.18E-07	3.29E-07	1.21E-07	1.64E-07	6.13E-08	3.29E-07	1.21E-07
5980	482698.9	3855719	1.10E-03	1.13E-03	1.07E-03	3.82E-07	1.15E-06	6.67E-07	6.83E-07	6.19E-07	2.83E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.06E-08	3.36E-07	3.48E-07	1.28E-07	1.74E-07	6.49E-08	3.48E-07	1.28E-07
5981	482697.5	3855619	1.17E-03	1.20E-03	1.13E-03	4.05E-07	1.22E-06	7.08E-07	7.25E-07	6.57E-07	3.00E-07	2.83E-07	0.00E+00	0.00E+00	1.30E-07	2.46E-08	1.56E-07	2.41E-08	2.19E-08	3.57E-07	3.69E-07	1.35E-07	1.84E-07	6.89E-08	3.69E-07	1.35E-07
5982	482696.1	3855519	1.25E-03	1.28E-03	1.21E-03	4.34E-07	1.31E-06	7.58E-07	7.77E-07	7.04E-07	3.21E-07	3.03E-07	0.00E+00	0.00E+00	1.39E-07	2.64E-08	1.67E-07	2.58E-08	2.35E-08	3.82E-07	3.95E-07	1.45E-07	1.97E-07	7.38E-08	3.95E-07	1.45E-07
5983	482694.7	3855419	1.35E-03	1.38E-03	1.30E-03	4.66E-07	1.41E-06	8.14E-07	8.34E-07	7.56E-07	3.45E-07	3.25E-07	0.00E+00	0.00E+00	1.50E-07	2.83E-08	1.80E-07	2.77E-08	2.52E-08	4.11E-07	4.25E-07	1.56E-07	2.12E-07	7.92E-08	4.25E-07	1.56E-07
5984	482693.3	3855319	1.46E-03	1.49E-03	1.41E-03	5.04E-07	1.52E-06	8.81E-07	9.03E-07	8.18E-07	3.73E-07	3.52E-07	0.00E+00	0.00E+00	1.62E-07	3.06E-08	1.94E-07	3.00E-08	2.73E-08	4.44E-07	4.60E-07	1.69E-07	2.29E-07	8.58E-08	4.60E-07	1.69E-07
5985	482691.9	3855219	1.59E-03	1.63E-03	1.54E-03	5.50E-07	1.66E-06	9.62E-07	9.85E-07	8.93E-07	4.07E-07	3.84E-07	0.00E+00	0.00E+00	1.77E-07	3.34E-08	2.12E-07	3.27E-08	2.98E-08	4.85E-07	5.02E-07	1.84E-07	2.50E-07	9.36E-08	5.02E-07	1.84E-07
5986	482690.5	3855119	1.75E-03	1.79E-03	1.69E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.83E-07	4.48E-07	4.23E-07	0.00E+00	0.00E+00	1.95E-07	3.68E-08	2.33E-07	3.60E-08	3.27E-08	5.34E-07	5.52E-07	2.02E-07	2.76E-07	1.03E-07	5.52E-07	2.02E-07
5987	482689.1	3855020	1.96E-03	2.00E-03	1.89E-03	6.77E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.01E-07	4.73E-07	0.00E+00	0.00E+00	2.18E-07	4.11E-08	2.61E-07	4.03E-08	3.66E-08	5.97E-07	6.17E-07	2.26E-07	3.08E-07	1.15E-07	6.17E-07	2.26E-07

5988	482687.7	3854920	2.20E-03	2.26E-03	2.13E-03	7.62E-07	2.30E-06	1.33E-06	1.36E-06	1.24E-06	5.64E-07	5.32E-07	0.00E+00	0.00E+00	2.45E-07	4.63E-08	2.94E-07	4.53E-08	4.12E-08	6.72E-07	6.95E-07	2.55E-07	3.47E-07	1.30E-07	6.95E-07	2.55E-07
5989	482686.3	3854820	2.52E-03	2.58E-03	2.44E-03	8.73E-07	2.63E-06	1.53E-06	1.56E-06	1.42E-06	6.46E-07	6.10E-07	0.00E+00	0.00E+00	2.81E-07	5.30E-08	3.36E-07	5.19E-08	4.72E-08	7.69E-07	7.96E-07	2.92E-07	3.97E-07	1.48E-07	7.96E-07	2.92E-07
5990	482684.9	3854720	2.90E-03	2.97E-03	2.80E-03	1.00E-06	3.03E-06	1.75E-06	1.80E-06	1.63E-06	7.43E-07	7.01E-07	0.00E+00	0.00E+00	3.23E-07	6.10E-08	3.87E-07	5.97E-08	5.43E-08	8.85E-07	9.15E-07	3.36E-07	4.57E-07	1.71E-07	9.15E-07	3.36E-07
5991	482683.5	3854620	3.38E-03	3.46E-03	3.26E-03	1.17E-06	3.53E-06	2.04E-06	2.09E-06	1.90E-06	8.66E-07	8.17E-07	0.00E+00	0.00E+00	3.76E-07	7.11E-08	4.51E-07	6.95E-08	6.32E-08	1.03E-06	1.07E-06	3.91E-07	5.32E-07	1.99E-07	1.07E-06	3.91E-07
5992	482682.1	3854520	3.91E-03	4.00E-03	3.78E-03	1.35E-06	4.09E-06	2.37E-06	2.42E-06	2.20E-06	1.00E-06	9.45E-07	0.00E+00	0.00E+00	4.35E-07	8.22E-08	5.22E-07	8.05E-08	7.32E-08	1.19E-06	1.23E-06	4.53E-07	6.16E-07	2.30E-07	1.23E-06	4.53E-07
5993	482680.7	3854420	4.48E-03	4.59E-03	4.33E-03	1.55E-06	4.68E-06	2.71E-06	2.78E-06	2.52E-06	1.15E-06	1.08E-06	0.00E+00	0.00E+00	4.99E-07	9.43E-08	5.98E-07	9.22E-08	8.39E-08	1.37E-06	1.41E-06	5.19E-07	7.06E-07	2.64E-07	1.41E-06	5.19E-07
5994	482679.3	3854321	4.99E-03	5.11E-03	4.82E-03	1.73E-06	5.21E-06	3.02E-06	3.09E-06	2.80E-06	1.28E-06	1.21E-06	0.00E+00	0.00E+00	5.55E-07	1.05E-07	6.65E-07	1.03E-07	9.33E-08	1.52E-06	1.57E-06	5.77E-07	7.85E-07	2.93E-07	1.57E-06	5.77E-07
5995	482677.9	3854221	5.36E-03	5.49E-03	5.18E-03	1.86E-06	5.61E-06	3.25E-06	3.32E-06	3.01E-06	1.37E-06	1.30E-06	0.00E+00	0.00E+00	5.97E-07	1.13E-07	7.16E-07	1.10E-07	1.00E-07	1.64E-06	1.69E-06	6.21E-07	8.45E-07	3.16E-07	1.69E-06	6.21E-07
5996	482676.5	3854121	5.53E-03	5.67E-03	5.35E-03	1.92E-06	5.78E-06	3.35E-06	3.43E-06	3.11E-06	1.42E-06	1.34E-06	0.00E+00	0.00E+00	6.16E-07	1.16E-07	7.39E-07	1.14E-07	1.04E-07	1.69E-06	1.75E-06	6.41E-07	8.72E-07	3.26E-07	1.75E-06	6.41E-07
5997	482675	3854021	5.75E-03	5.89E-03	5.55E-03	1.99E-06	6.01E-06	3.48E-06	3.56E-06	3.23E-06	1.47E-06	1.39E-06	0.00E+00	0.00E+00	6.40E-07	1.21E-07	7.67E-07	1.18E-07	1.08E-07	1.75E-06	1.81E-06	6.65E-07	9.05E-07	3.38E-07	1.81E-06	6.65E-07
5998	482673.6	3853921	5.96E-03	6.11E-03	5.76E-03	2.06E-06	6.23E-06	3.61E-06	3.70E-06	3.35E-06	1.53E-06	1.44E-06	0.00E+00	0.00E+00	6.64E-07	1.25E-07	7.96E-07	1.23E-07	1.12E-07	1.82E-06	1.88E-06	6.90E-07	9.40E-07	3.51E-07	1.88E-06	6.90E-07
5999	482672.2	3853821	6.34E-03	6.50E-03	6.13E-03	2.20E-06	6.63E-06	3.84E-06	3.93E-06	3.56E-06	1.63E-06	1.53E-06	0.00E+00	0.00E+00	7.06E-07	1.33E-07	8.47E-07	1.31E-07	1.19E-07	1.94E-06	2.00E-06	7.34E-07	9.99E-07	3.73E-07	2.00E-06	7.34E-07
6000	482670.8	3853721	6.77E-03	6.94E-03	6.54E-03	2.35E-06	7.08E-06	4.10E-06	4.20E-06	3.81E-06	1.74E-06	1.64E-06	0.00E+00	0.00E+00	7.54E-07	1.42E-07	9.04E-07	1.39E-07	1.27E-07	2.07E-06	2.14E-06	7.84E-07	1.07E-06	3.99E-07	2.14E-06	7.84E-07
6001	482669.4	3853622	7.31E-03	7.49E-03	7.06E-03	2.53E-06	7.64E-06	4.42E-06	4.53E-06	4.11E-06	1.87E-06	1.77E-06	0.00E+00	0.00E+00	8.14E-07	1.54E-07	9.76E-07	1.50E-07	1.37E-07	2.23E-06	2.31E-06	8.46E-07	1.15E-06	4.30E-07	2.31E-06	8.46E-07
6002	482646	3853446	8.33E-03	8.53E-03	8.04E-03	2.88E-06	8.70E-06	5.04E-06	5.16E-06	4.68E-06	2.13E-06	2.01E-06	0.00E+00	0.00E+00	9.27E-07	1.75E-07	1.11E-06	1.71E-07	1.56E-07	2.54E-06	2.63E-06	9.64E-07	1.31E-06	4.90E-07	2.63E-06	9.64E-07
6003	482624	3853370	8.42E-03	8.63E-03	8.14E-03	2.92E-06	8.81E-06	5.10E-06	5.22E-06	4.73E-06	2.16E-06	2.04E-06	0.00E+00	0.00E+00	9.38E-07	1.77E-07	1.12E-06	1.73E-07	1.58E-07	2.57E-06	2.66E-06	9.75E-07	1.33E-06	4.96E-07	2.66E-06	9.75E-07
6004	482601.9	3853295	8.82E-03	9.04E-03	8.52E-03	3.05E-06	9.22E-06	5.34E-06	5.47E-06	4.96E-06	2.26E-06	2.13E-06	0.00E+00	0.00E+00	9.82E-07	1.86E-07	1.18E-06	1.82E-07	1.65E-07	2.69E-06	2.78E-06	1.02E-06	1.39E-06	5.19E-07	2.78E-06	1.02E-06
6005	482531.3	3853133	1.01E-02	1.04E-02	9.80E-03	3.51E-06	1.06E-05	6.14E-06	6.29E-06	5.70E-06	2.60E-06	2.45E-06	0.00E+00	0.00E+00	1.13E-06	2.13E-07	1.35E-06	2.09E-07	1.90E-07	3.10E-06	3.20E-06	1.17E-06	1.60E-06	5.97E-07	3.20E-06	1.17E-06
6006	482482.7	3853048	1.09E-02	1.12E-02	1.05E-02	3.77E-06	1.14E-05	6.60E-06	6.76E-06	6.13E-06	2.80E-06	2.64E-06	0.00E+00	0.00E+00	1.21E-06	2.29E-07	1.46E-06	2.24E-07	2.04E-07	3.33E-06	3.44E-06	1.26E-06	1.72E-06	6.42E-07	3.44E-06	1.26E-06
6007	482383.1	3852897	1.61E-02	1.65E-02	1.56E-02	5.58E-06	1.68E-05	9.75E-06	9.98E-06	9.05E-06	4.13E-06	3.90E-06	0.00E+00	0.00E+00	1.79E-06	3.39E-07	2.15E-06	3.32E-07	3.02E-07	4.92E-06	5.08E-06	1.86E-06	2.54E-06	9.48E-07	5.08E-06	1.86E-06
6008	482265.6	3852765	1.82E-02	1.86E-02	1.76E-02	6.29E-06	1.90E-05	1.10E-05	1.13E-05	1.02E-05	4.66E-06	4.40E-06	0.00E+00	0.00E+00	2.02E-06	3.83E-07	2.43E-06	3.74E-07	3.40E-07	5.55E-06	5.74E-06	2.10E-06	2.86E-06	1.07E-06	5.74E-06	2.10E-06
6009	482199.2	3852698	1.80E-02	1.84E-02	1.74E-02	6.23E-06	1.88E-05	1.09E-05	1.12E-05	1.01E-05	4.62E-06	4.35E-06	0.00E+00	0.00E+00	2.00E-06	3.79E-07	2.40E-06	3.71E-07	3.37E-07	5.50E-06	5.68E-06	2.08E-06	2.84E-06	1.06E-06	5.68E-06	2.08E-06
6010	482132.7	3852630	1.77E-02	1.81E-02	1.71E-02	6.12E-06	1.85E-05	1.07E-05	1.10E-05	9.93E-06	4.53E-06	4.27E-06	0.00E+00	0.00E+00	1.97E-06	3.72E-07	2.36E-06	3.64E-07	3.31E-07	5.39E-06	5.58E-06	2.05E-06	2.78E-06	1.04E-06	5.58E-06	2.05E-06
6011	482066.2	3852562	1.75E-02	1.79E-02	1.69E-02	6.06E-06	1.83E-05	1.06E-05	1.09E-05	9.84E-06	4.49E-06	4.23E-06	0.00E+00	0.00E+00	1.95E-06	3.68E-07	2.34E-06	3.60E-07	3.28E-07	5.34E-06	5.53E-06	2.03E-06	2.76E-06	1.03E-06	5.53E-06	2.03E-06
6012	481999.7	3852495	1.72E-02	1.76E-02	1.66E-02	5.95E-06	1.80E-05	1.04E-05	1.07E-05	9.66E-06	4.41E-06	4.16E-06	0.00E+00	0.00E+00	1.91E-06	3.62E-07	2.30E-06	3.54E-07	3.22E-07	5.25E-06	5.43E-06	1.99E-06	2.71E-06	1.01E-06	5.43E-06	1.99E-06
6013	481933.3	3852427	1.67E-02	1.71E-02	1.61E-02	5.78E-06	1.75E-05	1.01E-05	1.04E-05	9.38E-06	4.28E-06	4.04E-06	0.00E+00	0.00E+00	1.86E-06	3.51E-07	2.23E-06	3.44E-07	3.13E-07	5.10E-06	5.27E-06	1.93E-06	2.63E-06	9.83E-07	5.27E-06	1.93E-06
6014	481866.8	3852360	1.66E-02	1.70E-02	1.60E-02	5.75E-06	1.74E-05	1.00E-05	1.03E-05	9.33E-06	4.26E-06	4.01E-06	0.00E+00	0.00E+00	1.85E-06	3.49E-07	2.22E-06	3.42E-07	3.11E-07	5.07E-06	5.24E-06	1.92E-06	2.62E-06	9.78E-07	5.24E-06	1.92E-06
6015	481800.3	3852292	1.62E-02	1.66E-02	1.56E-02	5.60E-06	1.69E-05	9.79E-06	1.00E-05	9.09E-06	4.15E-06	3.91E-06	0.00E+00	0.00E+00	1.80E-06	3.40E-07	2.16E-06	3.33E-07	3.03E-07	4.94E-06	5.10E-06	1.87E-06	2.55E-06	9.52E-07	5.10E-06	1.87E-06
6016	481733.8	3852225	1.59E-02	1.63E-02	1.53E-02	5.50E-06	1.66E-05	9.61E-06	9.84E-06	8.92E-06	4.07E-06	3.84E-06	0.00E+00	0.00E+00	1.77E-06	3.34E-07	2.12E-06	3.27E-07	2.97E-07	4.85E-06	5.01E-06	1.84E-06	2.50E-06	9.35E-07	5.01E-06	1.84E-06
6017	481667.4	3852157	1.59E-02	1.63E-02	1.53E-02	5.49E-06	1.66E-05	9.60E-06	9.83E-06	8.91E-06	4.07E-06	3.84E-06	0.00E+00	0.00E+00	1.77E-06	3.34E-07	2.12E-06	3.27E-07	2.97E-07	4.84E-06	5.01E-06	1.84E-06	2.50E-06	9.34E-07	5.01E-06	1.84E-06
6018	481600.9	3852089	1.55E-02	1.59E-02	1.50E-02	5.38E-06	1.62E-05	9.41E-06	9.63E-06	8.73E-06	3.98E-06	3.76E-06	0.00E+00	0.00E+00	1.73E-06	3.27E-07	2.07E-06	3.20E-07	2.91E-07	4.74E-06	4.91E-06	1.80E-06	2.45E-06	9.15E-07	4.91E-06	1.80E-06
6019	481534.4	3852022	1.54E-02	1.58E-02	1.49E-02	5.34E-06	1.61E-05	9.34E-06	9.57E-06	8.67E-06	3.96E-06	3.73E-06	0.00E+00	0.00E+00	1.72E-06	3.25E-07	2.06E-06	3.18E-07	2.89E-07	4.71E-06	4.87E-06	1.79E-06	2.43E-06	9.09E-07	4.87E-06	1.79E-06
6020	481467.9	3851954	1.53E-02	1.57E-02	1.48E-02	5.31E-06	1.60E-05	9.27E-06	9.50E-06	8.61E-06	3.93E-06	3.71E-06	0.00E+00	0.00E+00	1.71E-06	3.22E-07	2.05E-06	3.16E-07	2.87E-07	4.68E-06	4.84E-06	1.77E-06	2.41E-06	9.02E-07	4.84E-06	1.77E-06
6021	481401.5	3851887	1.53E-02	1.57E-02	1.48E-02	5.29E-06	1.60E-05	9.25E-06	9.47E-06	8.59E-06	3.92E-06	3.70E-06	0.00E+00	0.00E+00	1.70E-06	3.21E-07	2.04E-06	3.15E-07	2.86E-07	4.66E-06	4.82E-06	1.77E-06	2.41E-06	9.00E-07	4.82E-06	1.77E-06
6022	481265.9	3851761	1.34E-02	1.37E-02	1.30E-02	4.65E-06	1.40E-05	8.12E-06	8.32E-06	7.54E-06	3.44E-06	3.25E-06	0.00E+00	0.00E+00	1.49E-06	2.82E-07	1.79E-06	2.76E-07	2.51E-07	4.10E-06	4.24E-06	1.55E-06	2.11E-06	7.90E-07	4.24E-06	1.55E-06
6023	481196.7	3851704	1.26E-02	1.29E-02	1.21E-02	4.35E-06	1.31E-05	7.60E-06	7.78E-06	7.06E-06	3.22E-06	3.04E-06	0.00E+00	0.00E+00	1.40E-06	2.64E-07	1.68E-06	2.59E-07	2.35E-07	3.83E-06	3.96E-06	1.45E-06	1.98E-06	7.39E-07	3.96E-06	1.45E-06
6024	481076.3	3851619	1.22E-02	1.25E-02	1.18E-02	4.23E-06	1.28E-05	7.39E-06	7.57E-06	6.86E-06	3.13E-06	2.95E-06	0.00E+00	0.00E+00	1.36E-06	2.57E-07	1.63E-06	2.51E-07	2.29E-07	3.73E-06	3.85E-06	1.41E-06	1.92E-06	7.19E-07	3.85E-06	1.41E-06
6025	480939.8	3851549	1.18E-02	1.21E-02	1.14E-02	4.10E-06	1.24E-05	7.17E-06	7.34E-06	6.65E-06	3.04E-06	2.86E-06	0.00E+00	0.00E+00	1.32E-06	2.49E-07	1.58E-06	2.44E-07	2.22E-07	3.61E-06	3.74E-06	1.37E-06	1.87E-06	6.97E-07	3.74E-06	1.37E-06
6026	480854.6	3851506	1.19E-02	1.22E-02	1.15E-02	4.12E-06	1.24E-05	7.20E-06	7.37E-06	6.68E-06	3.05E-06	2.88E-06	0.00E+00	0.00E+00	1.32E-06	2.50E-07	1.59E-06	2.45E-07	2.23E-07	3.63E-06	3.75E-06	1.38E-06	1.87E-06	7.00E-07	3.75E-06	1.38E-06
6027	480769.3	3851464	1.20E-02	1.23E-02	1.16E-02	4.17E-06	1.26E-05	7.28E-06	7.46E-06	6.76E-06	3.08E-06	2.91E-06	0.00E+00	0.00E+00	1.34E-06	2.53E-07	1.61E-06	2.48E-07	2.25E-07	3.67E-06	3.80E-06	1.39E-06	1.90E-06	7.08E-07	3.80E-06	1.39E-06
6028	480684.1	3851421	1.22E-02	1.25E-02	1.18E-02	4.22E-06	1.27E-05	7.37E-06	7.55E-06	6.84E-06	3.12E-06	2.95E-06	0.00E+00	0.00E+00	1.36E-06	2.56E-07	1.63E-06	2.51E-07	2.28E-07	3.72E-06	3.84E-06	1.41E-06	1.92E-06	7.17E-07	3.84E-06	1.41E-06
6029	480598.8	3851378	1.22E-02	1.25E-02	1.18E-02	4.22E-06	1.27E-05	7.37E-06	7.55E-06	6.85E-06	3.12E-06	2.95E-06	0.00E+00	0.00E+00	1.36E-06	2.56E-07	1.63E-06	2.51E-07	2.28E-07	3.72E-06	3.85E-06	1.41E-06	1.92E-06	7.17E-07	3.85E-06	1.41E-06
6030	480435.7	3851275	1.65E-02	1.69E-02	1.59E-02	5.71E-06	1.72E-05	9.98E-06	1.02E-05	9.26E-06	4.23E-06	3.99E-06	0.00E+00	0.00E+00	1.84E-06	3.47E-07	2.20E-06	3.39E-07	3.09E-07	5.03E-06	5.20E-06	1.91E-06	2.60E-06	9.71E-07	5.20E-06	1.91E-06
6031	480347.9	3851232	1.63E-02	1.66E-02	1.57E-02	5.63E-06	1.70E-05	9.83E-06	1.01E-05	9.13E-06	4.17E-06	3.93E-06	0.00E+00	0.00E+00	1.81E-06	3.42E-07	2.17E-06	3.35E-07	3.04E-07	4.96E-06	5.13E-06	1.88E-06	2.56E-06	9.57E-07	5.13E-06	1.88E-06
6032	480260	3851190	1.60E-02	1.64E-02	1.55E-02	5.55E-06	1.67E-05	9.69E-06	9.93E-06	9.00E-06	4.11E-06	3.87E-06	0.00E+00	0.00E+00	1.78E-06	3.37E-07	2.14E-06	3.30E-07	3.00E-07	4.89E-06	5.06E-06	1.85E-06	2.52E-06	9.43E-07	5.06E-06	1.85E-06
6033	480172.2	3851147	1.58E-02	1.62E-02	1.53E-02	5.48E-06	1.65E-05	9.57E-06	9.80E-06	8.89E-06	4.06E-06	3.83E-06	0.00E+00	0.00E+00	1.76E-06	3.33E-07	2.11E-06	3.26E-07	2.96E-07	4.83E-06	4.99E-06	1.83E-06	2.49E-06	9.31E-07	4.99E-06	1.83E-06
6034	480084.3	3851104	1.56E-02	1.60E-02	1.51E-02	5.41E-06	1.63E-05	9.46E-06	9.69E-06	8.78E-06	4.01E-06	3.78E-06	0.00E+00	0.00E+00	1.74E-06	3.29E-07	2.09E-06	3.22E-07	2.93E-07	4.77E-06	4.93E-06	1.81E-06	2.46E-06	9.20E-07	4.93E-06	1.81E-06
6035	479996.4	3851062	1.55E-02	1.59E-02	1.50E-02	5.36E-06	1.62E-05	9.37E-06	9.60E-06	8.70E-06	3.97E-06	3.74E-06	0.00E+00	0.00E+00	1.72E-06	3.26E-07	2.07E-06	3.19E-07	2.90E-07	4.73E-06	4.89E-06	1.79E-06	2.44E-06	9.12E-07	4.89E-06	1.79E-06
6036	479908.6	3851019	1.57E-02	1.61E-02	1.52E-02	5.45E-06	1.64E-05	9.52E-06	9.75E-06	8.84E-06	4.03E-06	3.80E-06	0.00E+00	0.00E+00	1.75E-06	3.31E-07	2.10E-06	3.24E-07	2.95E-07	4.80E-06	4.97E-06	1.82E-06	2.48E-06	9.26E-07	4.97E-06	1.82E-06
6037	479820.7	3850976	1.56E-02	1.59E-02	1.50E-02	5.39E-06	1.63E-05	9.42E-06	9.65E-06	8.74E-06	3.99E-06	3.76E-06	0.00E+00	0.00E+00	1.73E-06	3.27E-07	2.08E-06	3.20E-07	2.91E-07	4.75E-06	4.91E-06	1.80E-06	2.45E-06	9.16E-07	4.91E-06	1.80E-06
6038	479732.9	3850934	1.54E-02	1.58E-02	1.49E-02	5.34E-06	1.61E-05	9.33E-06	9.56E-06	8.66E-06	3.95E-06	3.73E-06	0.00E+00	0.00E+00	1.72E-06	3.24E-07	2.06E-06	3.17E-07	2.89E-07	4.71E-06	4.87E-06	1.78E-06	2.43E-06	9.08E-07	4.87E-06	1.78E-06
6039	479645	3850891	1.54E-02	1.57E-02	1.49E-02	5.32E-06	1.61E-05	9.30E-06	9.53E-06	8.64E-06	3.94E-06	3.72E-06	0.00E+00	0.00E+00	1.71E-06	3.23E-07	2.05E-06	3.16E-07	2.88E-07	4.69E-06	4.85E-06	1.78E-06	2.42E-06	9.05E-07	4.85E-06	1.78E-06
6040	479557.2	3850849	1.53E-02	1.56E-02	1.47E-02	5.28E-06	1.59E-05	9.23E-06	9.46E-06	8.57E-06	3.91E-06	3.69E-06	0.00E+00	0.00E+00	1.70E-06	3.21E-07	2.04E-06	3.14E-07	2.86E-07	4.66E-06	4.82E-06	1.77E-06	2.40E-06	8.98E-07	4.82E-06	1.77E-06
6041	479469.3	3850806	1.54E-02	1.58E-02	1.49E-02	5.34E-06	1.61E-05	9.33E-06	9.55E-06	8.66E-06	3.95E-06	3.73E-06	0.00E+00	0.00E+00	1.72E-06	3.24E-07	2.06E-06	3.17E-07	2.89E-07	4.70E-06	4.87E-06	1.78E-06	2.43E-06	9.07E-07	4.87E-06	1.78E-06
6042	479381.5	3850763	1.53E-02	1.57E-02	1.48E-02	5.29E-06	1.60E-05	9.25E-06	9.47E-06	8.59E-06	3.92E-06	3.70E-06	0.00E+00	0.00E+00	1.70E-06	3.21E-07	2.04E-06	3.15E-07	2.86E-07	4.66E-06	4.82E-06	1.77E-06	2.41E-06	9.00E-07	4.82E-06	1.77E-06
6043	479293.6	3850721	1.50E-02	1.54E-02	1.45E-02	5.20E-06	1.57E-05	9.09E-06	9.31E-06	8.44E-06	3.85E-06	3.63E-06	0.00E+00	0.00E+00	1.67E-06	3.16E-07	2.01E-06	3.09E-07	2.81E-07	4.58E-06	4.74E-06	1.74E-06	2.37E-06	8.84E-07	4.74E-06	1.74E-06
6044	479205.8	3850678	1.48E-02	1.52E-02	1.43E-02	5.14E-06	1.55E-05	8.98E-06	9.19E-06	8.33E-06	3.80E-06	3.59E-06	0.00E+00	0.00E+00	1.65E-06	3.12E-07	1.98E-06	3.05E-07	2.78E-07	4.53E-06	4.68E-06	1.72E-06	2.34E-06	8.73E-07	4.68E-06	1.72E-06
6045	479117.9	3850635	1.44E-02	1.47E-02	1.39E-02	4.97E-06	1.50E-05	8.69E-06	8.90E-06	8.07E-06	3.68E-06	3.47E-06	0.00E+00	0.00E+00	1.60E-06	3.02E-07	1.92E-06	2.96E-07	2.69E-07	4.38E-06	4.53E-06	1.66E-06	2.26E-06	8.45E-07	4.53E-06	1.66E-06
6046	479030.1	3850593	1.40E-02	1.43E-02	1.35E-02	4.83E-06	1.46E-05	8.44E-06	8.65E-06	7.84E-06	3.58E-06	3.37E-06	0.00E+00	0.00E+00	1.55E-06	2.94E-07	1.86E-06	2.87E-07	2.61E-07	4.26E-06	4.40E-06	1.62E-06	2.20E-06	8.21E-07	4.40E-06	1.62E-06
6047	478942.2	3850550	1.42E-02	1.45E-02	1.37E-02	4.91E-06	1.48E-05	8.59E-06	8.80E-06	7.98E-06	3.64E-06	3.43E-06	0.00E+00	0.00E+00	1.58E-06	2.99E-07	1.89E-06	2.92E-07	2.66E-07	4.33E-06	4.48E-06	1.64E-06	2.24E-06	8.36E-07	4.48E-06	1.64E-06
6048	478854.3	3850507	1.52E-02	1.55E-02	1.47E-02	5.25E-06	1.59E-05	9.18E-06	9.40E-06	8.52E-06	3.89E-06	3.67E-06	0.00E+00	0.00E+00	1.69E-06	3.19E-07	2.02E-06	3.12E-07	2.84E-07	4.63E-06	4.79E-06	1.76E-06	2.39E-06	8.93E-07	4.79E-06	1.76E-06
6049	478766.5	3850465	1.52E-02	1.56E-02	1.47E-02	5.27E-06	1.59E-05	9.21E-06	9.44E-06	8.55E-06	3.90E-06	3.68E-06	0.00E+00	0.00E+00	1.70E-06	3.20E-07	2.03E-06	3.13E-07	2.85E-07	4.65E-06	4.81E-06	1.76E-06	2.40E-06	8.96E-07	4.81E-06	1.76E-06
6050	478678.6	3850422	1.52E-02	1.56E-02	1.47E-02	5.26E-06	1.59E-05	9.20E-06	9.42E-06	8.54E-06	3.90E-06	3.68E-06	0.00E+00	0.00E+00	1.69E-06	3.20E-07	2.03E-06	3.13E-07	2.85E-07	4.64E-06	4.80E-06	1.76E-06	2.40E-06	8.95E-07	4.80E-06	1.76E-06
6051	478590.8	3850379	1.52E-02	1.56E-02	1.47E-02	5.27E-06	1.59E-05	9.22E-06	9.44E-06	8.56E-06	3.91E-06	3.68E-06	0.00E+00	0.00E+00	1.70E-06	3.21E-07	2.03E-06	3.14E-07	2.85E-07	4.65E-06	4.81E-06	1.76E-06	2.40E-06	8.97E-07	4.81E-06	1.76E-06
6052	478502.9	3850337	1.52E-02	1.56E-02	1.47E-02	5.26E-06	1.59E-05	9.20E-06	9.42E-06	8.54E-06	3.90E-06	3.68E-06	0.00E+00	0.00E+00	1.69E-06	3.20E-07	2.03E-06	3.13E-07	2.85E-07	4.64E-06	4.80E-06	1.76E-06	2.39E-06	8.95E-07	4.80E-06	1.76E-06
6053	478415.1	3850294	1.51E-02	1.54E-02	1.45E-02	5.21E-06	1.57E-05	9.11E-06	9.33E-06	8.46E-06	3.86E-06	3.64E-06	0.00E+00	0.00E+00	1.68E-06	3.17E-07	2.01E-06	3.10E-07	2.82E-07	4.60E-06	4.75E-06	1.74E-06	2.37E-06	8.87E-07	4.75E-06	1.74E-06
6054	478327.2	3850251	1.51E-02	1.55E-02	1.46E-02	5.24E-06	1.58E-05	9.17E-06	9.39E-06	8.51E-06	3.88E-06	3.66E-06	0.00E+00	0.00E+00	1.69E-06	3.19E-07	2.02E-06	3.12E-07	2.84E-07	4.62E-06	4.78E-06	1.75E-06	2.39E-06	8.92E-07	4.78E-06	1.75E-06
6055	478239.4	3850209	1.52E-02	1.55E-02	1.47E-02	5.25E-06	1.59E-05	9.18E-06	9.40E-06	8.52E-06	3.89E-06	3.67E-06	0.00E+00	0.00E+00	1.69E-06	3.19E-07	2.02E-06	3.12E-07	2.84E-07	4.63E-06	4.79E-06	1.76E-06	2.39E-06	8.93E-07	4.79E-06	1.76E-06
6056	478151.5	3850166	1.51E-02	1.55E-02	1.46E-02	5.24E-06	1.58E-05	9.16E-06	9.38E-06	8.51E-06	3.88E-06	3.66E-06	0.00E+00	0.00E+00	1.69E-06	3.18E-07	2.02E-06	3.12E-07	2.83E-07	4.62E-06	4.78E-06	1.75E-06	2.39E-06	8.91E-07	4.78E-06	1.75E-06
6057	478063.7	3850124	1.51E-02	1.54E-02	1.46E-02	5.22E-06	1.58E-05	9.12E-06	9.34E-06	8.47E-06	3.86E-06	3.65E-06	0.00E+00	0.00E+00	1.68E-06	3.17E-07	2.01E-06	3.10E-07	2.82E-07	4.60E-06	4.76E-06	1.75E-06	2.38E-06	8.88E-07	4.76E-06	1.75E-06
6058	477975.8	3850081	1.47E-02	1.51E-02	1.42E-02	5.09E-06	1.54E-05	8.90E-06	9.12E-06	8.27E-06	3.77E-06	3.56E-06	0.00E+00	0.00E+00	1.64E-06	3.09E-07	1.96E-06	3.03E-07	2.75E-07	4.49E-06	4.64E-06	1.70E-06	2.32E-06	8.66E-07	4.64E-06	1.70E-06
6059	477888	3850038	1.46E-02	1.50E-02	1.41E-02	5.07E-06	1.53E-05	8.86E-06	9.07E-06	8.23E-06	3.75E-06	3.54E-06	0.00E+00	0.00E+00	1.63E-06	3.08E-07	1.95E-06	3.01E-07	2.74E-07	4.47E-06	4.62E-06	1.69E-06	2.31E-06	8.62E-07	4.62E-06	1.69E-06
6060	477800.1	3849996	1.44E-02	1.48E-02	1.39E-02	4.99E-06	1.51E-05	8.73E-06	8.94E-06	8.10E-06	3.70E-06	3.49E-06	0.00E+00	0.00E+00	1.61E-06	3.03E-07	1.93E-06	2.97E-07	2.70E-07	4.40E-06	4.55E-06	1.67E-06	2.27E-06	8.49E-07	4.55E-06	1.67E-06
6061	477712.2	3849953	1.45E-02	1.48E-02	1.40E-02	5.01E-06	1.51E-05	8.76E-06	8.97E-06	8.14E-06	3.71E-06	3.50E-06	0.00E+00	0.00E+00	1.61E-06	3.05E-07	1.93E-06	2.98E-07	2.71E-07	4.42E-06	4.57E-06	1.68E-06	2.28E-06	8.52E-07	4.57E-06	1.68E-06

6062	477624.4	3849910	1.45E-02	1.48E-02	1.40E-02	5.01E-06	1.51E-05	8.76E-06	8.97E-06	8.13E-06	3.71E-06	3.50E-06	0.00E+00	0.00E+00	1.61E-06	3.04E-07	1.93E-06	2.98E-07	2.71E-07	4.42E-06	4.57E-06	1.67E-06	2.28E-06	8.52E-07	4.57E-06	1.67E-06
6063	477536.5	3849868	1.43E-02	1.46E-02	1.38E-02	4.94E-06	1.49E-05	8.64E-06	8.84E-06	8.02E-06	3.66E-06	3.45E-06	0.00E+00	0.00E+00	1.59E-06	3.00E-07	1.90E-06	2.94E-07	2.67E-07	4.35E-06	4.50E-06	1.65E-06	2.25E-06	8.40E-07	4.50E-06	1.65E-06
6064	477448.7	3849825	1.42E-02	1.46E-02	1.37E-02	4.92E-06	1.49E-05	8.60E-06	8.81E-06	7.99E-06	3.64E-06	3.44E-06	0.00E+00	0.00E+00	1.58E-06	2.99E-07	1.90E-06	2.93E-07	2.66E-07	4.34E-06	4.49E-06	1.65E-06	2.24E-06	8.37E-07	4.49E-06	1.65E-06
6065	477360.8	3849782	1.41E-02	1.44E-02	1.36E-02	4.88E-06	1.47E-05	8.52E-06	8.73E-06	7.91E-06	3.61E-06	3.41E-06	0.00E+00	0.00E+00	1.57E-06	2.96E-07	1.88E-06	2.90E-07	2.64E-07	4.30E-06	4.45E-06	1.63E-06	2.22E-06	8.29E-07	4.45E-06	1.63E-06
6066	477273	3849740	1.39E-02	1.42E-02	1.34E-02	4.80E-06	1.45E-05	8.40E-06	8.60E-06	7.80E-06	3.56E-06	3.36E-06	0.00E+00	0.00E+00	1.54E-06	2.92E-07	1.85E-06	2.86E-07	2.60E-07	4.23E-06	4.38E-06	1.61E-06	2.19E-06	8.17E-07	4.38E-06	1.61E-06
6067	477185.1	3849697	1.38E-02	1.42E-02	1.34E-02	4.78E-06	1.44E-05	8.36E-06	8.57E-06	7.76E-06	3.54E-06	3.34E-06	0.00E+00	0.00E+00	1.54E-06	2.91E-07	1.84E-06	2.85E-07	2.59E-07	4.22E-06	4.36E-06	1.60E-06	2.18E-06	8.14E-07	4.36E-06	1.60E-06
6068	477097.3	3849654	1.40E-02	1.43E-02	1.35E-02	4.84E-06	1.46E-05	8.46E-06	8.67E-06	7.86E-06	3.59E-06	3.38E-06	0.00E+00	0.00E+00	1.56E-06	2.94E-07	1.87E-06	2.88E-07	2.62E-07	4.27E-06	4.41E-06	1.62E-06	2.20E-06	8.23E-07	4.41E-06	1.62E-06
6069	477009.4	3849612	1.44E-02	1.48E-02	1.39E-02	5.00E-06	1.51E-05	8.73E-06	8.95E-06	8.11E-06	3.70E-06	3.49E-06	0.00E+00	0.00E+00	1.61E-06	3.04E-07	1.93E-06	2.97E-07	2.70E-07	4.40E-06	4.56E-06	1.67E-06	2.27E-06	8.50E-07	4.56E-06	1.67E-06
6070	476841.5	3849530	1.46E-02	1.49E-02	1.41E-02	5.04E-06	1.52E-05	8.81E-06	9.02E-06	8.18E-06	3.73E-06	3.52E-06	0.00E+00	0.00E+00	1.62E-06	3.06E-07	1.94E-06	3.00E-07	2.72E-07	4.44E-06	4.59E-06	1.68E-06	2.29E-06	8.57E-07	4.59E-06	1.68E-06
6071	476761.4	3849491	1.45E-02	1.49E-02	1.41E-02	5.03E-06	1.52E-05	8.80E-06	9.01E-06	8.17E-06	3.73E-06	3.52E-06	0.00E+00	0.00E+00	1.62E-06	3.06E-07	1.94E-06	2.99E-07	2.72E-07	4.44E-06	4.59E-06	1.68E-06	2.29E-06	8.56E-07	4.59E-06	1.68E-06
6072	476681.3	3849452	1.49E-02	1.53E-02	1.44E-02	5.16E-06	1.56E-05	9.02E-06	9.24E-06	8.38E-06	3.82E-06	3.61E-06	0.00E+00	0.00E+00	1.66E-06	3.14E-07	1.99E-06	3.07E-07	2.79E-07	4.55E-06	4.71E-06	1.73E-06	2.35E-06	8.78E-07	4.71E-06	1.73E-06
6073	476601.3	3849413	1.57E-02	1.60E-02	1.51E-02	5.42E-06	1.64E-05	9.47E-06	9.70E-06	8.80E-06	4.01E-06	3.79E-06	0.00E+00	0.00E+00	1.74E-06	3.29E-07	2.09E-06	3.22E-07	2.93E-07	4.78E-06	4.94E-06	1.81E-06	2.47E-06	9.22E-07	4.94E-06	1.81E-06
6074	476456.3	3849354	1.80E-02	1.85E-02	1.74E-02	6.24E-06	1.88E-05	1.09E-05	1.12E-05	1.01E-05	4.62E-06	4.36E-06	0.00E+00	0.00E+00	2.01E-06	3.79E-07	2.41E-06	3.71E-07	3.37E-07	5.50E-06	5.69E-06	2.09E-06	2.84E-06	1.06E-06	5.69E-06	2.09E-06
6075	476305.4	3849319	1.72E-02	1.76E-02	1.66E-02	5.96E-06	1.80E-05	1.04E-05	1.07E-05	9.68E-06	4.42E-06	4.16E-06	0.00E+00	0.00E+00	1.92E-06	3.62E-07	2.30E-06	3.55E-07	3.22E-07	5.26E-06	5.44E-06	1.99E-06	2.71E-06	1.01E-06	5.44E-06	1.99E-06
6076	476129.4	3849290	1.56E-02	1.60E-02	1.51E-02	5.41E-06	1.63E-05	9.46E-06	9.69E-06	8.78E-06	4.01E-06	3.78E-06	0.00E+00	0.00E+00	1.74E-06	3.29E-07	2.09E-06	3.22E-07	2.93E-07	4.77E-06	4.93E-06	1.81E-06	2.46E-06	9.20E-07	4.93E-06	1.81E-06
6077	476039.3	3849276	1.51E-02	1.54E-02	1.46E-02	5.22E-06	1.58E-05	9.12E-06	9.34E-06	8.47E-06	3.87E-06	3.65E-06	0.00E+00	0.00E+00	1.68E-06	3.17E-07	2.01E-06	3.10E-07	2.82E-07	4.60E-06	4.76E-06	1.75E-06	2.38E-06	8.88E-07	4.76E-06	1.75E-06
6078	475949.3	3849261	1.53E-02	1.57E-02	1.48E-02	5.29E-06	1.60E-05	9.25E-06	9.47E-06	8.58E-06	3.92E-06	3.69E-06	0.00E+00	0.00E+00	1.70E-06	3.21E-07	2.04E-06	3.15E-07	2.86E-07	4.66E-06	4.82E-06	1.77E-06	2.41E-06	9.00E-07	4.82E-06	1.77E-06
6079	475859.2	3849247	1.45E-02	1.48E-02	1.40E-02	5.01E-06	1.51E-05	8.76E-06	8.97E-06	8.13E-06	3.71E-06	3.50E-06	0.00E+00	0.00E+00	1.61E-06	3.05E-07	1.93E-06	2.98E-07	2.71E-07	4.42E-06	4.57E-06	1.68E-06	2.28E-06	8.52E-07	4.57E-06	1.68E-06
6080	475769.2	3849233	1.39E-02	1.42E-02	1.34E-02	4.80E-06	1.45E-05	8.40E-06	8.60E-06	7.80E-06	3.56E-06	3.36E-06	0.00E+00	0.00E+00	1.54E-06	2.92E-07	1.85E-06	2.86E-07	2.60E-07	4.24E-06	4.38E-06	1.61E-06	2.19E-06	8.17E-07	4.38E-06	1.61E-06
6081	475585.2	3849219	8.08E-03	8.28E-03	7.81E-03	2.80E-06	8.45E-06	4.89E-06	5.01E-06	4.54E-06	2.07E-06	1.95E-06	0.00E+00	0.00E+00	9.00E-07	1.70E-07	1.08E-06	1.66E-07	1.51E-07	2.47E-06	2.55E-06	9.36E-07	1.27E-06	4.76E-07	2.55E-06	9.36E-07
6082	475444.5	3849150	1.59E-02	1.63E-02	1.54E-02	5.52E-06	1.67E-05	9.65E-06	9.88E-06	8.96E-06	4.09E-06	3.86E-06	0.00E+00	0.00E+00	1.78E-06	3.35E-07	2.13E-06	3.28E-07	2.99E-07	4.87E-06	5.03E-06	1.85E-06	2.51E-06	9.39E-07	5.03E-06	1.85E-06
6083	475334.2	3849119	1.33E-02	1.36E-02	1.28E-02	4.59E-06	1.39E-05	8.03E-06	8.23E-06	7.46E-06	3.40E-06	3.21E-06	0.00E+00	0.00E+00	1.48E-06	2.79E-07	1.77E-06	2.73E-07	2.48E-07	4.05E-06	4.19E-06	1.54E-06	2.09E-06	7.81E-07	4.19E-06	1.54E-06
6084	475230.5	3849061	1.56E-02	1.60E-02	1.51E-02	5.40E-06	1.63E-05	9.45E-06	9.68E-06	8.77E-06	4.00E-06	3.77E-06	0.00E+00	0.00E+00	1.74E-06	3.28E-07	2.08E-06	3.21E-07	2.92E-07	4.76E-06	4.93E-06	1.81E-06	2.46E-06	9.19E-07	4.93E-06	1.81E-06
6085	475110.9	3848961	1.80E-02	1.84E-02	1.74E-02	6.23E-06	1.88E-05	1.09E-05	1.12E-05	1.01E-05	4.62E-06	4.36E-06	0.00E+00	0.00E+00	2.00E-06	3.79E-07	2.40E-06	3.71E-07	3.37E-07	5.50E-06	5.68E-06	2.09E-06	2.84E-06	1.06E-06	5.68E-06	2.09E-06
6086	475037.8	3848896	1.89E-02	1.93E-02	1.82E-02	6.54E-06	1.97E-05	1.14E-05	1.17E-05	1.06E-05	4.84E-06	4.57E-06	0.00E+00	0.00E+00	2.10E-06	3.97E-07	2.52E-06	3.89E-07	3.54E-07	5.76E-06	5.96E-06	2.19E-06	2.97E-06	1.11E-06	5.96E-06	2.19E-06
6087	474964.7	3848832	1.97E-02	2.01E-02	1.90E-02	6.81E-06	2.06E-05	1.19E-05	1.22E-05	1.10E-05	5.04E-06	4.75E-06	0.00E+00	0.00E+00	2.19E-06	4.14E-07	2.62E-06	4.05E-07	3.68E-07	6.00E-06	6.21E-06	2.28E-06	3.10E-06	1.16E-06	6.21E-06	2.28E-06
6088	474891.7	3848767	2.01E-02	2.06E-02	1.95E-02	6.97E-06	2.10E-05	1.22E-05	1.25E-05	1.13E-05	5.16E-06	4.87E-06	0.00E+00	0.00E+00	2.24E-06	4.24E-07	2.69E-06	4.14E-07	3.77E-07	6.14E-06	6.35E-06	2.33E-06	3.17E-06	1.19E-06	6.35E-06	2.33E-06
6089	474818.6	3848702	2.09E-02	2.14E-02	2.02E-02	7.25E-06	2.19E-05	1.27E-05	1.30E-05	1.18E-05	5.37E-06	5.06E-06	0.00E+00	0.00E+00	2.33E-06	4.40E-07	2.79E-06	4.31E-07	3.92E-07	6.39E-06	6.61E-06	2.42E-06	3.30E-06	1.23E-06	6.61E-06	2.42E-06
6090	474745.5	3848638	2.02E-02	2.07E-02	1.95E-02	7.00E-06	2.11E-05	1.22E-05	1.25E-05	1.14E-05	5.18E-06	4.89E-06	0.00E+00	0.00E+00	2.25E-06	4.25E-07	2.70E-06	4.16E-07	3.79E-07	6.17E-06	6.38E-06	2.34E-06	3.19E-06	1.19E-06	6.38E-06	2.34E-06
6091	474672.4	3848573	2.07E-02	2.12E-02	2.00E-02	7.17E-06	2.17E-05	1.25E-05	1.28E-05	1.16E-05	5.31E-06	5.01E-06	0.00E+00	0.00E+00	2.31E-06	4.36E-07	2.77E-06	4.26E-07	3.88E-07	6.32E-06	6.54E-06	2.40E-06	3.26E-06	1.22E-06	6.54E-06	2.40E-06
6092	474599.4	3848508	2.20E-02	2.25E-02	2.13E-02	7.62E-06	2.30E-05	1.33E-05	1.36E-05	1.24E-05	5.64E-06	5.32E-06	0.00E+00	0.00E+00	2.45E-06	4.63E-07	2.94E-06	4.53E-07	4.12E-07	6.72E-06	6.95E-06	2.55E-06	3.47E-06	1.30E-06	6.95E-06	2.55E-06
6093	474526.3	3848443	2.27E-02	2.32E-02	2.19E-02	7.85E-06	2.37E-05	1.37E-05	1.40E-05	1.27E-05	5.81E-06	5.48E-06	0.00E+00	0.00E+00	2.52E-06	4.77E-07	3.03E-06	4.67E-07	4.24E-07	6.92E-06	7.15E-06	2.62E-06	3.57E-06	1.33E-06	7.15E-06	2.62E-06

Risk Calculations - Combined

Mainline - With Project

			2028	2033	2048	Residential Dose							Risk by Age Group								Student		Worker		Park	
Rec#	X	Y	Conc	Conc	Conc	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30 (2033)	16<30 (2048)	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30 (2033)	16<30 (2048)	Total Risk	Dose	Risk	Dose	Risk	Dose	Risk
1	485973.6	3854937	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.55E-07	5.93E-07	2.71E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.22E-08	1.41E-07	2.17E-08	2.07E-08	3.29E-07	3.50E-07	1.28E-07	1.75E-07	6.53E-08	3.50E-07	1.28E-07
2	486023.6	3854937	1.07E-03	1.05E-03	1.03E-03	3.71E-07	1.12E-06	6.49E-07	6.33E-07	5.74E-07	2.62E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.15E-08	1.36E-07	2.10E-08	2.00E-08	3.18E-07	3.38E-07	1.24E-07	1.69E-07	6.31E-08	3.38E-07	1.24E-07
3	486073.6	3854937	1.04E-03	1.02E-03	1.00E-03	3.61E-07	1.09E-06	6.31E-07	6.15E-07	5.58E-07	2.55E-07	2.51E-07	0.00E+00	0.00E+00	1.16E-07	2.09E-08	1.33E-07	2.04E-08	1.94E-08	3.09E-07	3.29E-07	1.21E-07	1.64E-07	6.14E-08	3.29E-07	1.21E-07
4	486123.6	3854937	1.00E-03	9.79E-04	9.66E-04	3.47E-07	1.05E-06	6.07E-07	5.92E-07	5.37E-07	2.45E-07	2.42E-07	0.00E+00	0.00E+00	1.12E-07	2.01E-08	1.28E-07	1.97E-08	1.87E-08	2.98E-07	3.17E-07	1.16E-07	1.58E-07	5.91E-08	3.17E-07	1.16E-07
5	486173.6	3854937	9.83E-04	9.59E-04	9.46E-04	3.40E-07	1.03E-06	5.95E-07	5.80E-07	5.26E-07	2.40E-07	2.37E-07	0.00E+00	0.00E+00	1.09E-07	1.97E-08	1.25E-07	1.93E-08	1.83E-08	2.92E-07	3.10E-07	1.14E-07	1.55E-07	5.79E-08	3.10E-07	1.14E-07
6	486223.6	3854937	9.54E-04	9.31E-04	9.19E-04	3.30E-07	9.97E-07	5.77E-07	5.63E-07	5.11E-07	2.33E-07	2.30E-07	0.00E+00	0.00E+00	1.06E-07	1.91E-08	1.21E-07	1.87E-08	1.78E-08	2.83E-07	3.01E-07	1.10E-07	1.50E-07	5.62E-08	3.01E-07	1.10E-07
7	486273.6	3854937	9.30E-04	9.08E-04	8.96E-04	3.22E-07	9.72E-07	5.63E-07	5.49E-07	4.98E-07	2.27E-07	2.24E-07	0.00E+00	0.00E+00	1.04E-07	1.86E-08	1.18E-07	1.82E-08	1.74E-08	2.76E-07	2.94E-07	1.08E-07	1.47E-07	5.48E-08	2.94E-07	1.08E-07
8	486323.6	3854937	9.09E-04	8.87E-04	8.75E-04	3.15E-07	9.50E-07	5.50E-07	5.36E-07	4.86E-07	2.22E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.82E-08	1.16E-07	1.78E-08	1.70E-08	2.70E-07	2.87E-07	1.05E-07	1.43E-07	5.35E-08	2.87E-07	1.05E-07
9	485973.6	3854987	1.15E-03	1.12E-03	1.11E-03	3.98E-07	1.20E-06	6.95E-07	6.78E-07	6.15E-07	2.81E-07	2.77E-07	0.00E+00	0.00E+00	1.28E-07	2.30E-08	1.46E-07	2.25E-08	2.14E-08	3.41E-07	3.63E-07	1.33E-07	1.81E-07	6.76E-08	3.63E-07	1.33E-07
10	486023.6	3854987	1.11E-03	1.09E-03	1.07E-03	3.85E-07	1.16E-06	6.73E-07	6.57E-07	5.96E-07	2.72E-07	2.68E-07	0.00E+00	0.00E+00	1.24E-07	2.23E-08	1.42E-07	2.18E-08	2.08E-08	3.30E-07	3.51E-07	1.29E-07	1.75E-07	6.55E-08	3.51E-07	1.29E-07
11	486073.6	3854987	1.08E-03	1.05E-03	1.04E-03	3.72E-07	1.12E-06	6.51E-07	6.35E-07	5.76E-07	2.63E-07	2.59E-07	0.00E+00	0.00E+00	1.20E-07	2.16E-08	1.37E-07	2.11E-08	2.01E-08	3.19E-07	3.40E-07	1.25E-07	1.69E-07	6.33E-08	3.40E-07	1.25E-07
12	486123.6	3854987	1.04E-03	1.02E-03	1.00E-03	3.61E-07	1.09E-06	6.30E-07	6.15E-07	5.58E-07	2.54E-07	2.51E-07	0.00E+00	0.00E+00	1.16E-07	2.09E-08	1.32E-07	2.04E-08	1.94E-08	3.09E-07	3.29E-07	1.21E-07	1.64E-07	6.13E-08	3.29E-07	1.21E-07
13	486173.6	3854987	1.02E-03	9.91E-04	9.78E-04	3.52E-07	1.06E-06	6.15E-07	6.00E-07	5.44E-07	2.48E-07	2.45E-07	0.00E+00	0.00E+00	1.13E-07	2.04E-08	1.29E-07	1.99E-08	1.90E-08	3.01E-07	3.21E-07	1.18E-07	1.60E-07	5.98E-08	3.21E-07	1.18E-07
14	486223.6	3854987	9.85E-04	9.61E-04	9.48E-04	3.41E-07	1.03E-06	5.96E-07	5.82E-07	5.27E-07	2.41E-07	2.37E-07	0.00E+00	0.00E+00	1.10E-07	1.97E-08	1.25E-07	1.93E-08	1.84E-08	2.92E-07	3.11E-07	1.14E-07	1.55E-07	5.80E-08	3.11E-07	1.14E-07
15	486273.6	3854987	9.54E-04	9.31E-04	9.18E-04	3.30E-07	9.97E-07	5.77E-07	5.63E-07	5.11E-07	2.33E-07	2.30E-07	0.00E+00	0.00E+00	1.06E-07	1.91E-08	1.21E-07	1.87E-08	1.78E-08	2.83E-07	3.01E-07	1.10E-07	1.50E-07	5.61E-08	3.01E-07	1.10E-07
16	486323.6	3854987	9.39E-04	9.16E-04	9.04E-04	3.25E-07	9.81E-07	5.68E-07	5.54E-07	5.03E-07	2.29E-07	2.26E-07	0.00E+00	0.00E+00	1.05E-07	1.88E-08	1.19E-07	1.84E-08	1.75E-08	2.79E-07	2.96E-07	1.09E-07	1.48E-07	5.53E-08	2.96E-07	1.09E-07
17	485973.6	3855037	1.19E-03	1.16E-03	1.15E-03	4.13E-07	1.25E-06	7.21E-07	7.04E-07	6.38E-07	2.91E-07	2.87E-07	0.00E+00	0.00E+00	1.33E-07	2.39E-08	1.52E-07	2.34E-08	2.22E-08	3.54E-07	3.76E-07	1.38E-07	1.88E-07	7.02E-08	3.76E-07	1.38E-07
18	486023.6	3855037	1.15E-03	1.12E-03	1.11E-03	3.99E-07	1.20E-06	6.97E-07	6.80E-07	6.17E-07	2.81E-07	2.78E-07	0.00E+00	0.00E+00	1.28E-07	2.31E-08	1.47E-07	2.26E-08	2.15E-08	3.42E-07	3.64E-07	1.33E-07	1.81E-07	6.78E-08	3.64E-07	1.33E-07
19	486073.6	3855037	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.72E-07	6.56E-07	5.94E-07	2.71E-07	2.68E-07	0.00E+00	0.00E+00	1.24E-07	2.22E-08	1.41E-07	2.18E-08	2.07E-08	3.30E-07	3.50E-07	1.29E-07	1.75E-07	6.54E-08	3.50E-07	1.29E-07
20	486123.6	3855037	1.07E-03	1.05E-03	1.03E-03	3.72E-07	1.12E-06	6.50E-07	6.34E-07	5.75E-07	2.62E-07	2.59E-07	0.00E+00	0.00E+00	1.20E-07	2.15E-08	1.37E-07	2.11E-08	2.01E-08	3.19E-07	3.39E-07	1.24E-07	1.69E-07	6.33E-08	3.39E-07	1.24E-07
21	486173.6	3855037	1.05E-03	1.02E-03	1.01E-03	3.63E-07	1.10E-06	6.34E-07	6.19E-07	5.61E-07	2.56E-07	2.53E-07	0.00E+00	0.00E+00	1.17E-07	2.10E-08	1.33E-07	2.06E-08	1.96E-08	3.11E-07	3.31E-07	1.21E-07	1.65E-07	6.17E-08	3.31E-07	1.21E-07
22	486223.6	3855037	1.01E-03	9.88E-04	9.75E-04	3.51E-07	1.06E-06	6.13E-07	5.98E-07	5.42E-07	2.47E-07	2.44E-07	0.00E+00	0.00E+00	1.13E-07	2.03E-08	1.29E-07	1.99E-08	1.89E-08	3.01E-07	3.20E-07	1.17E-07	1.60E-07	5.96E-08	3.20E-07	1.17E-07
23	486273.6	3855037	9.91E-04	9.67E-04	9.54E-04	3.43E-07	1.04E-06	5.99E-07	5.85E-07	5.30E-07	2.42E-07	2.39E-07	0.00E+00	0.00E+00	1.10E-07	1.99E-08	1.26E-07	1.94E-08	1.85E-08	2.94E-07	3.13E-07	1.15E-07	1.56E-07	5.83E-08	3.13E-07	1.15E-07
24	486323.6	3855037	9.63E-04	9.40E-04	9.27E-04	3.33E-07	1.01E-06	5.83E-07	5.69E-07	5.15E-07	2.35E-07	2.32E-07	0.00E+00	0.00E+00	1.07E-07	1.93E-08	1.22E-07	1.89E-08	1.80E-08	2.86E-07	3.04E-07	1.11E-07	1.52E-07	5.67E-08	3.04E-07	1.11E-07
25	485973.6	3855087	1.24E-03	1.21E-03	1.19E-03	4.28E-07	1.29E-06	7.48E-07	7.29E-07	6.61E-07	3.02E-07	2.98E-07	0.00E+00	0.00E+00	1.38E-07	2.48E-08	1.57E-07	2.42E-08	2.31E-08	3.67E-07	3.90E-07	1.43E-07	1.95E-07	7.27E-08	3.90E-07	1.43E-07
26	486023.6	3855087	1.20E-03	1.17E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.06E-07	6.40E-07	2.92E-07	2.88E-07	0.00E+00	0.00E+00	1.33E-07	2.40E-08	1.52E-07	2.34E-08	2.23E-08	3.55E-07	3.77E-07	1.38E-07	1.88E-07	7.04E-08	3.77E-07	1.38E-07
27	486073.6	3855087	1.15E-03	1.12E-03	1.11E-03	3.98E-07	1.20E-06	6.96E-07	6.79E-07	6.16E-07	2.81E-07	2.77E-07	0.00E+00	0.00E+00	1.28E-07	2.30E-08	1.46E-07	2.26E-08	2.15E-08	3.41E-07	3.63E-07	1.33E-07	1.81E-07	6.77E-08	3.63E-07	1.33E-07
28	486123.6	3855087	1.12E-03	1.09E-03	1.07E-03	3.86E-07	1.17E-06	6.76E-07	6.59E-07	5.98E-07	2.73E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.24E-08	1.42E-07	2.19E-08	2.08E-08	3.31E-07	3.52E-07	1.29E-07	1.76E-07	6.57E-08	3.52E-07	1.29E-07
29	486173.6	3855087	1.08E-03	1.05E-03	1.04E-03	3.73E-07	1.13E-06	6.52E-07	6.36E-07	5.77E-07	2.63E-07	2.60E-07	0.00E+00	0.00E+00	1.20E-07	2.16E-08	1.37E-07	2.11E-08	2.01E-08	3.20E-07	3.40E-07	1.25E-07	1.70E-07	6.35E-08	3.40E-07	1.25E-07
30	486223.6	3855087	1.05E-03	1.02E-03	1.01E-03	3.63E-07	1.10E-06	6.34E-07	6.19E-07	5.61E-07	2.56E-07	2.53E-07	0.00E+00	0.00E+00	1.17E-07	2.10E-08	1.33E-07	2.06E-08	1.96E-08	3.11E-07	3.31E-07	1.21E-07	1.65E-07	6.17E-08	3.31E-07	1.21E-07
31	485973.6	3855137	1.29E-03	1.26E-03	1.24E-03	4.45E-07	1.34E-06	7.78E-07	7.60E-07	6.89E-07	3.14E-07	3.10E-07	0.00E+00	0.00E+00	1.43E-07	2.58E-08	1.64E-07	2.52E-08	2.40E-08	3.82E-07	4.06E-07	1.49E-07	2.03E-07	7.57E-08	4.06E-07	1.49E-07
32	486023.6	3855137	1.24E-03	1.21E-03	1.19E-03	4.29E-07	1.30E-06	7.50E-07	7.32E-07	6.63E-07	3.03E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.48E-08	1.58E-07	2.43E-08	2.31E-08	3.68E-07	3.91E-07	1.44E-07	1.95E-07	7.30E-08	3.91E-07	1.44E-07
33	486073.6	3855137	1.19E-03	1.17E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.05E-07	6.40E-07	2.92E-07	2.88E-07	0.00E+00	0.00E+00	1.33E-07	2.39E-08	1.52E-07	2.34E-08	2.23E-08	3.55E-07	3.77E-07	1.38E-07	1.88E-07	7.03E-08	3.77E-07	1.38E-07
34	486123.6	3855137	1.16E-03	1.13E-03	1.11E-03	4.00E-07	1.21E-06	6.99E-07	6.82E-07	6.18E-07	2.82E-07	2.78E-07	0.00E+00	0.00E+00	1.29E-07	2.32E-08	1.47E-07	2.27E-08	2.16E-08	3.43E-07	3.65E-07	1.34E-07	1.82E-07	6.80E-08	3.65E-07	1.34E-07
35	486173.6	3855137	1.12E-03	1.09E-03	1.08E-03	3.87E-07	1.17E-06	6.76E-07	6.59E-07	5.98E-07	2.73E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.24E-08	1.42E-07	2.19E-08	2.08E-08	3.31E-07	3.52E-07	1.29E-07	1.76E-07	6.57E-08	3.52E-07	1.29E-07
36	486223.6	3855137	1.08E-03	1.06E-03	1.04E-03	3.75E-07	1.13E-06	6.55E-07	6.39E-07	5.79E-07	2.64E-07	2.61E-07	0.00E+00	0.00E+00	1.20E-07	2.17E-08	1.38E-07	2.12E-08	2.02E-08	3.21E-07	3.41E-07	1.25E-07	1.70E-07	6.37E-08	3.41E-07	1.25E-07
37	485973.6	3855187	1.34E-03	1.31E-03	1.29E-03	4.64E-07	1.40E-06	8.11E-07	7.91E-07	7.17E-07	3.27E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.69E-08	1.70E-07	2.63E-08	2.50E-08	3.98E-07	4.23E-07	1.55E-07	2.11E-07	7.89E-08	4.23E-07	1.55E-07
38	486023.6	3855187	1.29E-03	1.26E-03	1.24E-03	4.47E-07	1.35E-06	7.81E-07	7.62E-07	6.91E-07	3.15E-07	3.11E-07	0.00E+00	0.00E+00	1.44E-07	2.59E-08	1.64E-07	2.53E-08	2.41E-08	3.83E-07	4.07E-07	1.49E-07	2.03E-07	7.60E-08	4.07E-07	1.49E-07
39	486073.6	3855187	1.24E-03	1.21E-03	1.19E-03	4.29E-07	1.30E-06	7.50E-07	7.32E-07	6.63E-07	3.03E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.48E-08	1.58E-07	2.43E-08	2.31E-08	3.68E-07	3.91E-07	1.43E-07	1.95E-07	7.30E-08	3.91E-07	1.43E-07
40	486123.6	3855187	1.19E-03	1.16E-03	1.15E-03	4.12E-07	1.25E-06	7.21E-07	7.04E-07	6.38E-07	2.91E-07	2.87E-07	0.00E+00	0.00E+00	1.33E-07	2.39E-08	1.52E-07	2.34E-08	2.22E-08	3.54E-07	3.76E-07	1.38E-07	1.88E-07	7.01E-08	3.76E-07	1.38E-07
41	486173.6	3855187	1.15E-03	1.12E-03	1.11E-03	3.99E-07	1.20E-06	6.97E-07	6.80E-07	6.17E-07	2.81E-07	2.78E-07	0.00E+00	0.00E+00	1.28E-07	2.31E-08	1.47E-07	2.26E-08	2.15E-08	3.42E-07	3.64E-07	1.33E-07	1.81E-07	6.78E-08	3.64E-07	1.33E-07
42	486223.6	3855187	1.12E-03	1.09E-03	1.07E-03	3.86E-07	1.17E-06	6.75E-07	6.58E-07	5.97E-07	2.72E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.23E-08	1.42E-07	2.19E-08	2.08E-08	3.31E-07	3.52E-07	1.29E-07	1.76E-07	6.56E-08	3.52E-07	1.29E-07
43	486273.6	3855187	1.08E-03	1.05E-03	1.04E-03	3.74E-07	1.13E-06	6.53E-07	6.37E-07	5.78E-07	2.64E-07	2.60E-07	0.00E+00	0.00E+00	1.20E-07	2.16E-08	1.37E-07	2.12E-08	2.01E-08	3.20E-07	3.41E-07	1.25E-07	1.70E-07	6.35E-08	3.41E-07	1.25E-07
44	486323.6	3855187	1.06E-03	1.04E-03	1.02E-03	3.68E-07	1.11E-06	6.42E-07	6.27E-07	5.68E-07	2.59E-07	2.56E-07	0.00E+00	0.00E+00	1.18E-07	2.13E-08	1.35E-07	2.08E-08	1.98E-08	3.15E-07	3.35E-07	1.23E-07	1.67E-07	6.25E-08	3.35E-07	1.23E-07
45	485973.6	3855237	1.40E-03	1.36E-03	1.34E-03	4.83E-07	1.46E-06	8.44E-07	8.24E-07	7.47E-07	3.41E-07	3.36E-07	0.00E+00	0.00E+00	1.55E-07	2.80E-08	1.77E-07	2.74E-08	2.60E-08	4.14E-07	4.40E-07	1.62E-07	2.20E-07	8.22E-08	4.40E-07	1.62E-07
46	486023.6	3855237	1.34E-03	1.30E-03	1.29E-03	4.63E-07	1.40E-06	8.09E-07	7.90E-07	7.16E-07	3.27E-07	3.22E-07	0.00E+00	0.00E+00	1.49E-07	2.68E-08	1.70E-07	2.62E-08	2.50E-08	3.97E-07	4.22E-07	1.55E-07	2.11E-07	7.87E-08	4.22E-07	1.55E-07
47	486073.6	3855237	1.28E-03	1.25E-03	1.23E-03	4.43E-07	1.34E-06	7.75E-07	7.56E-07	6.85E-07	3.13E-07	3.09E-07	0.00E+00	0.00E+00	1.43E-07	2.57E-08	1.63E-07	2.51E-08	2.39E-08	3.80E-07	4.04E-07	1.48E-07	2.02E-07	7.54E-08	4.04E-07	1.48E-07
48	486123.6	3855237	1.23E-03	1.20E-03	1.19E-03	4.27E-07	1.29E-06	7.47E-07	7.29E-07	6.61E-07	3.01E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.47E-08	1.57E-07	2.42E-08	2.30E-08	3.66E-07	3.90E-07	1.43E-07	1.94E-07	7.27E-08	3.90E-07	1.43E-07
49	486173.6	3855237	1.19E-03	1.16E-03	1.15E-03	4.12E-07	1.25E-06	7.21E-07	7.04E-07	6.38E-07	2.91E-07	2.87E-07	0.00E+00	0.00E+00	1.33E-07	2.39E-08	1.52E-07	2.34E-08	2.22E-08	3.54E-07	3.76E-07	1.38E-07	1.88E-07	7.01E-08	3.76E-07	1.38E-07
50	486223.6	3855237	1.15E-03	1.12E-03	1.11E-03	3.98E-07	1.20E-06	6.96E-07	6.79E-07	6.16E-07	2.81E-07	2.77E-07	0.00E+00	0.00E+00	1.28E-07	2.31E-08	1.46E-07	2.26E-08	2.15E-08	3.41E-07	3.63E-07	1.33E-07	1.81E-07	6.77E-08	3.63E-07	1.33E-07
51	486273.6	3855237	1.10E-03	1.08E-03	1.06E-03	3.82E-07	1.15E-06	6.68E-07	6.52E-07	5.91E-07	2.70E-07	2.66E-07	0.00E+00	0.00E+00	1.23E-07	2.21E-08	1.40E-07	2.17E-08	2.06E-08	3.28E-07	3.49E-07	1.28E-07	1.74E-07	6.50E-08	3.49E-07	1.28E-07
52	486323.6	3855237	1.09E-03	1.07E-03	1.05E-03	3.79E-07	1.14E-06	6.62E-07	6.46E-07	5.85E-07	2.67E-07	2.64E-07	0.00E+00	0.00E+00	1.22E-07	2.19E-08	1.39E-07	2.14E-08	2.04E-08	3.25E-07	3.45E-07	1.27E-07	1.72E-07	6.44E-08	3.45E-07	1.27E-07
53	485973.6	3855287	1.45E-03	1.42E-03	1.40E-03	5.03E-07	1.52E-06	8.80E-07	8.59E-07	7.78E-07	3.55E-07	3.50E-07	0.00E+00	0.00E+00	1.62E-07	2.91E-08	1.85E-07	2.85E-08	2.71E-08	4.32E-07	4.59E-07	1.68E-07	2.29E-07	8.56E-08	4.59E-07	1.68E-07
54	486023.6	3855287	1.39E-03	1.36E-03	1.34E-03	4.81E-07	1.45E-06	8.40E-07	8.20E-07	7.43E-07	3.39E-07	3.35E-07	0.00E+00	0.00E+00	1.55E-07	2.78E-08	1.77E-07	2.72E-08	2.59E-08	4.12E-07	4.38E-07	1.61E-07	2.19E-07	8.17E-08	4.38E-07	1.61E-07
55	486073.6	3855287	1.33E-03	1.30E-03	1.28E-03	4.61E-07	1.39E-06	8.05E-07	7.86E-07	7.12E-07	3.25E-07	3.21E-07	0.00E+00	0.00E+00	1.48E-07	2.67E-08	1.69E-07	2.61E-08	2.48E-08	3.95E-07	4.20E-07	1.54E-07	2.10E-07	7.83E-08	4.20E-07	1.54E-07
56	486123.6	3855287	1.28E-03	1.25E-03	1.23E-03	4.42E-07	1.33E-06	7.72E-07	7.54E-07	6.83E-07	3.12E-07	3.08E-07	0.00E+00	0.00E+00	1.42E-07	2.56E-08	1.62E-07	2.50E-08	2.38E-08	3.79E-07	4.03E-07	1.48E-07	2.01E-07	7.52E-08	4.03E-07	1.48E-07
57	486173.6	3855287	1.23E-03	1.20E-03	1.18E-03	4.25E-07	1.28E-06	7.43E-07	7.25E-07	6.57E-07	3.00E-07	2.96E-07	0.00E+00	0.00E+00	1.37E-07	2.46E-08	1.56E-07	2.41E-08	2.29E-08	3.64E-07	3.88E-07	1.42E-07	1.93E-07	7.23E-08	3.88E-07	1.42E-07
58	486223.6	3855287	1.19E-03	1.16E-03	1.14E-03	4.11E-07	1.24E-06	7.19E-07	7.01E-07	6.36E-07	2.90E-07	2.86E-07	0.00E+00	0.00E+00	1.32E-07	2.38E-08	1.51E-07	2.33E-08	2.22E-08	3.53E-07	3.75E-07	1.37E-07	1.87E-07	6.99E-08	3.75E-07	1.37E-07
59	486123.6	3855337	1.32E-03	1.29E-03	1.27E-03	4.57E-07	1.38E-06	8.00E-07	7.80E-07	7.07E-07	3.23E-07	3.18E-07	0.00E+00	0.00E+00	1.47E-07	2.65E-08	1.68E-07	2.59E-08	2.47E-08	3.92E-07	4.17E-07	1.53E-07	2.08E-07	7.78E-08	4.17E-07	1.53E-07
60	486173.6	3855337	1.27E-03	1.24E-03	1.23E-03	4.41E-07	1.33E-06	7.70E-07	7.52E-07	6.81E-07	3.11E-07	3.07E-07	0.00E+00	0.00E+00	1.42E-07	2.55E-08	1.62E-07	2.50E-08	2.38E-08	3.78E-07	4.02E-07	1.47E-07	2.01E-07	7.49E-08	4.02E-07	1.47E-07
61	486223.6	3855337	1.23E-03	1.20E-03	1.18E-03	4.25E-07	1.28E-06	7.42E-07	7.24E-07	6.57E-07	3.00E-07	2.96E-07	0.00E+00	0.00E+00	1.37E-07	2.46E-08	1.56E-07	2.41E-08	2.29E-08	3.64E-07	3.87E-07	1.42E-07	1.93E-07	7.22E-08	3.87E-07	1.42E-07
62	486123.6	3855387	1.37E-03	1.34E-03	1.32E-03	4.75E-07	1.43E-06	8.30E-07	8.10E-07	7.34E-07	3.35E-07	3.31E-07	0.00E+00	0.00E+00	1.53E-07	2.75E-08	1.74E-07	2.69E-08	2.56E-08	4.07E-07	4.33E-07	1.59E-07	2.16E-07	8.08E-08	4.33E-07	1.59E-07
63	486173.6	3855387	1.32E-03	1.29E-03	1.27E-03	4.57E-07	1.38E-06	7.98E-07	7.79E-07	7.06E-07	3.22E-07	3.18E-07	0.00E+00	0.00E+00	1.47E-07	2.64E-08	1.68E-07	2.59E-08	2.46E-08	3.91E-07	4.16E-07	1.53E-07	2.08E-07	7.76E-08	4.16E-07	1.53E-07
64	486223.6	3855387	1.27E-03	1.24E-03	1.22E-03	4.40E-07	1.33E-06	7.69E-07	7.51E-07	6.81E-07	3.11E-07	3.06E-07	0.00E+00	0.00E+00	1.42E-07	2.55E-08	1.62E-07	2.49E-08	2.37E-08	3.77E-07	4.01E-07	1.47E-07	2.00E-07	7.49E-08	4.01E-07	1.47E-07
65	486533.2	3855443	1.09E-03	1.07E-03	1.05E-03	3.78E-07	1.14E-06	6.61E-07	6.45E-07	5.84E-07	2.67E-07	2.63E-07	0.00E+00	0.00E+00	1.22E-07	2.19E-08	1.39E-07	2.14E-08	2.04E-08	3.24E-07	3.45E-07	1.26E-07	1.72E-07	6.43E-08	3.45E-07	1.26E-07
66	486583.2	3855443	1.06E-03	1.04E-03	1.02E-03	3.67E-07	1.11E-06	6.42E-07	6.27E-07	5.68E-07	2.59E-07	2.56E-07	0.00E+00	0.00E+00	1.18E-07	2.13E-08	1.35E-07	2.08E-08	1.98E-08	3.15E-07	3.35E-07	1.23E-07	1.67E-07	6.25E-08	3.35E-07	1.23E-07
67	486633.2	3855443	1.03E-03	1.01E-03	9.94E-04	3.57E-07	1.08E-06	6.25E-07	6.09E-07	5.52E-07	2.52E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.07E-08	1.31E-07	2.02E-08	1.93E-08	3.06E-07	3.26E-07	1.19E-07	1.63E-07	6.08E-08	3.26E-07	1.19E-07
68	486683.2	3855443	1.01E-03	9.85E-04	9.72E-04	3.49E-07	1.05E-06	6.11E-07	5.96E-07	5.40E-07	2.46E-07	2.43E-07	0.00E+00	0.00E+00	1.12E-07	2.02E-08	1.28E-07	1.98E-08	1.88E-08	2.99E-07	3.18E-07	1.17E-07	1.59E-07	5.94E-08	3.18E-07	1.17E-07
69	486533.2	3855493	1.12E-03	1.10E-03	1.08E-03	3.89E-07	1.17E-06	6.80E-07	6.63E-07	6.01E-07	2.74E-07	2.71E-07	0.00E+00	0.00E+00	1.25E-07	2.25E-08	1.43E-07	2.20E-08	2.10E-08	3.33E-07	3.55E-07	1.30E-07	1.77E-07	6.61E-08	3.55E-07	1.30E-07
70	486583.2	3855493	1.09E-03	1.07E-03	1.05E-03	3.78E-07	1.14E-06	6.61E-07	6.45E-07	5.85E-07	2.67E-07	2.63E-07	0.00E+00	0.00E+00	1.22E-07	2.19E-08	1.39E-07	2.14E-08	2.04E-08	3.24E-07	3.45E-07	1.26E-07	1.72E-07	6.43E-08	3.45E-07	1.26E-07

71	486633.2	3855493	1.06E-03	1.04E-03	1.02E-03	3.68E-07	1.11E-06	6.43E-07	6.27E-07	5.68E-07	2.59E-07	2.56E-07	0.00E+00	0.00E+00	1.18E-07	2.13E-08	1.35E-07	2.08E-08	1.98E-08	3.15E-07	3.35E-07	1.23E-07	1.67E-07	6.25E-08	3.35E-07	1.23E-07
72	486683.2	3855493	1.03E-03	1.01E-03	9.95E-04	3.58E-07	1.08E-06	6.26E-07	6.10E-07	5.53E-07	2.52E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.07E-08	1.31E-07	2.03E-08	1.93E-08	3.07E-07	3.26E-07	1.20E-07	1.63E-07	6.09E-08	3.26E-07	1.20E-07
73	486533.2	3855543	1.16E-03	1.13E-03	1.12E-03	4.01E-07	1.21E-06	7.02E-07	6.85E-07	6.21E-07	2.83E-07	2.79E-07	0.00E+00	0.00E+00	1.29E-07	2.32E-08	1.47E-07	2.27E-08	2.16E-08	3.44E-07	3.66E-07	1.34E-07	1.83E-07	6.83E-08	3.66E-07	1.34E-07
74	486583.2	3855543	1.12E-03	1.09E-03	1.08E-03	3.88E-07	1.17E-06	6.78E-07	6.62E-07	6.00E-07	2.74E-07	2.70E-07	0.00E+00	0.00E+00	1.25E-07	2.25E-08	1.43E-07	2.20E-08	2.09E-08	3.33E-07	3.54E-07	1.30E-07	1.77E-07	6.60E-08	3.54E-07	1.30E-07
75	486633.2	3855543	1.09E-03	1.06E-03	1.05E-03	3.77E-07	1.14E-06	6.60E-07	6.44E-07	5.84E-07	2.66E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.19E-08	1.39E-07	2.14E-08	2.03E-08	3.24E-07	3.44E-07	1.26E-07	1.72E-07	6.42E-08	3.44E-07	1.26E-07
76	486683.2	3855543	1.06E-03	1.03E-03	1.02E-03	3.66E-07	1.10E-06	6.39E-07	6.23E-07	5.65E-07	2.58E-07	2.54E-07	0.00E+00	0.00E+00	1.18E-07	2.12E-08	1.34E-07	2.07E-08	1.97E-08	3.13E-07	3.33E-07	1.22E-07	1.66E-07	6.22E-08	3.33E-07	1.22E-07
77	486533.2	3855593	1.19E-03	1.17E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.05E-07	6.39E-07	2.92E-07	2.88E-07	0.00E+00	0.00E+00	1.33E-07	2.39E-08	1.52E-07	2.34E-08	2.23E-08	3.54E-07	3.77E-07	1.38E-07	1.88E-07	7.03E-08	3.77E-07	1.38E-07
78	486583.2	3855593	1.16E-03	1.13E-03	1.11E-03	4.00E-07	1.21E-06	6.99E-07	6.82E-07	6.19E-07	2.82E-07	2.79E-07	0.00E+00	0.00E+00	1.29E-07	2.32E-08	1.47E-07	2.27E-08	2.16E-08	3.43E-07	3.65E-07	1.34E-07	1.82E-07	6.80E-08	3.65E-07	1.34E-07
79	486633.2	3855593	1.12E-03	1.09E-03	1.08E-03	3.88E-07	1.17E-06	6.78E-07	6.62E-07	6.00E-07	2.74E-07	2.70E-07	0.00E+00	0.00E+00	1.25E-07	2.25E-08	1.43E-07	2.20E-08	2.09E-08	3.33E-07	3.54E-07	1.30E-07	1.77E-07	6.60E-08	3.54E-07	1.30E-07
80	486683.2	3855593	1.09E-03	1.06E-03	1.05E-03	3.78E-07	1.14E-06	6.60E-07	6.44E-07	5.84E-07	2.66E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.19E-08	1.39E-07	2.14E-08	2.04E-08	3.24E-07	3.44E-07	1.26E-07	1.72E-07	6.42E-08	3.44E-07	1.26E-07
81	486533.2	3855643	1.23E-03	1.20E-03	1.19E-03	4.27E-07	1.29E-06	7.46E-07	7.28E-07	6.60E-07	3.01E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.47E-08	1.57E-07	2.42E-08	2.30E-08	3.66E-07	3.89E-07	1.43E-07	1.94E-07	7.26E-08	3.89E-07	1.43E-07
82	486583.2	3855643	1.19E-03	1.16E-03	1.15E-03	4.13E-07	1.25E-06	7.21E-07	7.04E-07	6.38E-07	2.91E-07	2.87E-07	0.00E+00	0.00E+00	1.33E-07	2.39E-08	1.52E-07	2.34E-08	2.22E-08	3.54E-07	3.76E-07	1.38E-07	1.88E-07	7.02E-08	3.76E-07	1.38E-07
83	486633.2	3855643	1.16E-03	1.13E-03	1.11E-03	4.00E-07	1.21E-06	6.99E-07	6.82E-07	6.18E-07	2.82E-07	2.78E-07	0.00E+00	0.00E+00	1.29E-07	2.32E-08	1.47E-07	2.27E-08	2.16E-08	3.43E-07	3.65E-07	1.34E-07	1.82E-07	6.80E-08	3.65E-07	1.34E-07
84	486683.2	3855643	1.12E-03	1.09E-03	1.08E-03	3.88E-07	1.17E-06	6.79E-07	6.62E-07	6.00E-07	2.74E-07	2.70E-07	0.00E+00	0.00E+00	1.25E-07	2.25E-08	1.43E-07	2.20E-08	2.09E-08	3.33E-07	3.54E-07	1.30E-07	1.77E-07	6.60E-08	3.54E-07	1.30E-07
85	486533.2	3855693	1.28E-03	1.25E-03	1.23E-03	4.43E-07	1.34E-06	7.74E-07	7.55E-07	6.85E-07	3.12E-07	3.08E-07	0.00E+00	0.00E+00	1.42E-07	2.56E-08	1.63E-07	2.51E-08	2.39E-08	3.80E-07	4.04E-07	1.48E-07	2.01E-07	7.53E-08	4.04E-07	1.48E-07
86	486583.2	3855693	1.23E-03	1.20E-03	1.18E-03	4.26E-07	1.29E-06	7.44E-07	7.26E-07	6.58E-07	3.00E-07	2.96E-07	0.00E+00	0.00E+00	1.37E-07	2.46E-08	1.56E-07	2.41E-08	2.29E-08	3.65E-07	3.88E-07	1.42E-07	1.94E-07	7.24E-08	3.88E-07	1.42E-07
87	486633.2	3855693	1.18E-03	1.16E-03	1.14E-03	4.10E-07	1.24E-06	7.16E-07	6.99E-07	6.34E-07	2.89E-07	2.85E-07	0.00E+00	0.00E+00	1.32E-07	2.37E-08	1.51E-07	2.32E-08	2.21E-08	3.51E-07	3.74E-07	1.37E-07	1.86E-07	6.97E-08	3.74E-07	1.37E-07
88	486683.2	3855693	1.15E-03	1.13E-03	1.11E-03	4.00E-07	1.21E-06	6.99E-07	6.82E-07	6.18E-07	2.82E-07	2.78E-07	0.00E+00	0.00E+00	1.29E-07	2.31E-08	1.47E-07	2.26E-08	2.15E-08	3.43E-07	3.64E-07	1.34E-07	1.82E-07	6.80E-08	3.64E-07	1.34E-07
89	486733.2	3855693	1.13E-03	1.11E-03	1.09E-03	3.92E-07	1.18E-06	6.86E-07	6.69E-07	6.06E-07	2.77E-07	2.73E-07	0.00E+00	0.00E+00	1.26E-07	2.27E-08	1.44E-07	2.22E-08	2.11E-08	3.36E-07	3.58E-07	1.31E-07	1.78E-07	6.67E-08	3.58E-07	1.31E-07
90	486783.2	3855693	1.12E-03	1.09E-03	1.07E-03	3.86E-07	1.17E-06	6.75E-07	6.58E-07	5.97E-07	2.72E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.23E-08	1.42E-07	2.19E-08	2.08E-08	3.31E-07	3.52E-07	1.29E-07	1.76E-07	6.56E-08	3.52E-07	1.29E-07
91	486533.2	3855743	1.33E-03	1.29E-03	1.28E-03	4.59E-07	1.39E-06	8.02E-07	7.83E-07	7.10E-07	3.24E-07	3.20E-07	0.00E+00	0.00E+00	1.48E-07	2.66E-08	1.69E-07	2.60E-08	2.47E-08	3.94E-07	4.18E-07	1.53E-07	2.09E-07	7.81E-08	4.18E-07	1.53E-07
92	486583.2	3855743	1.27E-03	1.24E-03	1.22E-03	4.39E-07	1.32E-06	7.67E-07	7.48E-07	6.78E-07	3.09E-07	3.05E-07	0.00E+00	0.00E+00	1.41E-07	2.54E-08	1.61E-07	2.48E-08	2.36E-08	3.76E-07	4.00E-07	1.47E-07	2.00E-07	7.46E-08	4.00E-07	1.47E-07
93	486633.2	3855743	1.22E-03	1.19E-03	1.18E-03	4.23E-07	1.28E-06	7.40E-07	7.22E-07	6.54E-07	2.99E-07	2.95E-07	0.00E+00	0.00E+00	1.36E-07	2.45E-08	1.55E-07	2.40E-08	2.28E-08	3.63E-07	3.86E-07	1.42E-07	1.93E-07	7.20E-08	3.86E-07	1.42E-07
94	486683.2	3855743	1.20E-03	1.17E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.06E-07	6.40E-07	2.92E-07	2.88E-07	0.00E+00	0.00E+00	1.33E-07	2.40E-08	1.52E-07	2.34E-08	2.23E-08	3.55E-07	3.77E-07	1.38E-07	1.88E-07	7.04E-08	3.77E-07	1.38E-07
95	486733.2	3855743	1.16E-03	1.14E-03	1.12E-03	4.03E-07	1.22E-06	7.05E-07	6.88E-07	6.24E-07	2.85E-07	2.81E-07	0.00E+00	0.00E+00	1.30E-07	2.33E-08	1.48E-07	2.28E-08	2.17E-08	3.46E-07	3.68E-07	1.35E-07	1.84E-07	6.86E-08	3.68E-07	1.35E-07
96	486783.2	3855743	1.15E-03	1.12E-03	1.11E-03	3.98E-07	1.20E-06	6.95E-07	6.79E-07	6.15E-07	2.81E-07	2.77E-07	0.00E+00	0.00E+00	1.28E-07	2.30E-08	1.46E-07	2.25E-08	2.14E-08	3.41E-07	3.63E-07	1.33E-07	1.81E-07	6.77E-08	3.63E-07	1.33E-07
97	486533.2	3855793	1.38E-03	1.35E-03	1.33E-03	4.78E-07	1.44E-06	8.35E-07	8.14E-07	7.38E-07	3.37E-07	3.32E-07	0.00E+00	0.00E+00	1.54E-07	2.76E-08	1.75E-07	2.71E-08	2.57E-08	4.09E-07	4.35E-07	1.60E-07	2.17E-07	8.12E-08	4.35E-07	1.60E-07
98	486583.2	3855793	1.31E-03	1.27E-03	1.26E-03	4.52E-07	1.37E-06	7.90E-07	7.71E-07	6.99E-07	3.19E-07	3.15E-07	0.00E+00	0.00E+00	1.45E-07	2.62E-08	1.66E-07	2.56E-08	2.44E-08	3.88E-07	4.12E-07	1.51E-07	2.06E-07	7.69E-08	4.12E-07	1.51E-07
99	486633.2	3855793	1.27E-03	1.24E-03	1.22E-03	4.40E-07	1.33E-06	7.70E-07	7.51E-07	6.81E-07	3.11E-07	3.07E-07	0.00E+00	0.00E+00	1.42E-07	2.55E-08	1.62E-07	2.49E-08	2.37E-08	3.78E-07	4.01E-07	1.47E-07	2.00E-07	7.49E-08	4.01E-07	1.47E-07
100	486683.2	3855793	1.24E-03	1.21E-03	1.20E-03	4.30E-07	1.30E-06	7.52E-07	7.33E-07	6.65E-07	3.03E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.49E-08	1.58E-07	2.44E-08	2.32E-08	3.69E-07	3.92E-07	1.44E-07	1.96E-07	7.31E-08	3.92E-07	1.44E-07
101	486733.2	3855793	1.21E-03	1.18E-03	1.17E-03	4.19E-07	1.27E-06	7.33E-07	7.15E-07	6.48E-07	2.96E-07	2.92E-07	0.00E+00	0.00E+00	1.35E-07	2.43E-08	1.54E-07	2.37E-08	2.26E-08	3.59E-07	3.82E-07	1.40E-07	1.91E-07	7.13E-08	3.82E-07	1.40E-07
102	486783.2	3855793	1.18E-03	1.16E-03	1.14E-03	4.10E-07	1.24E-06	7.16E-07	6.99E-07	6.34E-07	2.89E-07	2.85E-07	0.00E+00	0.00E+00	1.32E-07	2.37E-08	1.51E-07	2.32E-08	2.21E-08	3.51E-07	3.74E-07	1.37E-07	1.87E-07	6.97E-08	3.74E-07	1.37E-07
103	486533.2	3855843	1.43E-03	1.40E-03	1.38E-03	4.95E-07	1.50E-06	8.66E-07	8.45E-07	7.66E-07	3.49E-07	3.45E-07	0.00E+00	0.00E+00	1.59E-07	2.87E-08	1.82E-07	2.81E-08	2.67E-08	4.25E-07	4.51E-07	1.66E-07	2.25E-07	8.42E-08	4.51E-07	1.66E-07
104	486583.2	3855843	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.23E-07	8.03E-07	7.28E-07	3.32E-07	3.28E-07	0.00E+00	0.00E+00	1.51E-07	2.73E-08	1.73E-07	2.67E-08	2.54E-08	4.04E-07	4.29E-07	1.58E-07	2.14E-07	8.01E-08	4.29E-07	1.58E-07
105	486633.2	3855843	1.32E-03	1.29E-03	1.27E-03	4.58E-07	1.38E-06	8.01E-07	7.81E-07	7.08E-07	3.23E-07	3.19E-07	0.00E+00	0.00E+00	1.47E-07	2.65E-08	1.68E-07	2.59E-08	2.47E-08	3.93E-07	4.18E-07	1.53E-07	2.08E-07	7.79E-08	4.18E-07	1.53E-07
106	486683.2	3855843	1.29E-03	1.26E-03	1.24E-03	4.46E-07	1.35E-06	7.80E-07	7.61E-07	6.90E-07	3.15E-07	3.11E-07	0.00E+00	0.00E+00	1.43E-07	2.58E-08	1.64E-07	2.53E-08	2.41E-08	3.83E-07	4.07E-07	1.49E-07	2.03E-07	7.59E-08	4.07E-07	1.49E-07
107	486733.2	3855843	1.26E-03	1.23E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.42E-07	6.73E-07	3.07E-07	3.03E-07	0.00E+00	0.00E+00	1.40E-07	2.52E-08	1.60E-07	2.47E-08	2.35E-08	3.73E-07	3.97E-07	1.46E-07	1.98E-07	7.40E-08	3.97E-07	1.46E-07
108	486783.2	3855843	1.23E-03	1.20E-03	1.18E-03	4.25E-07	1.28E-06	7.42E-07	7.24E-07	6.57E-07	3.00E-07	2.96E-07	0.00E+00	0.00E+00	1.37E-07	2.46E-08	1.56E-07	2.41E-08	2.29E-08	3.64E-07	3.87E-07	1.42E-07	1.93E-07	7.22E-08	3.87E-07	1.42E-07
109	486533.2	3855893	1.48E-03	1.44E-03	1.42E-03	5.11E-07	1.54E-06	8.93E-07	8.71E-07	7.90E-07	3.60E-07	3.56E-07	0.00E+00	0.00E+00	1.64E-07	2.96E-08	1.88E-07	2.89E-08	2.75E-08	4.38E-07	4.66E-07	1.71E-07	2.32E-07	8.69E-08	4.66E-07	1.71E-07
110	486583.2	3855893	1.43E-03	1.39E-03	1.37E-03	4.94E-07	1.49E-06	8.63E-07	8.42E-07	7.63E-07	3.48E-07	3.44E-07	0.00E+00	0.00E+00	1.59E-07	2.86E-08	1.81E-07	2.80E-08	2.66E-08	4.23E-07	4.50E-07	1.65E-07	2.25E-07	8.40E-08	4.50E-07	1.65E-07
111	486633.2	3855893	1.38E-03	1.35E-03	1.33E-03	4.78E-07	1.44E-06	8.35E-07	8.15E-07	7.39E-07	3.37E-07	3.33E-07	0.00E+00	0.00E+00	1.54E-07	2.77E-08	1.76E-07	2.71E-08	2.58E-08	4.10E-07	4.36E-07	1.60E-07	2.17E-07	8.13E-08	4.36E-07	1.60E-07
112	486683.2	3855893	1.34E-03	1.31E-03	1.29E-03	4.64E-07	1.40E-06	8.12E-07	7.92E-07	7.18E-07	3.28E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.69E-08	1.71E-07	2.63E-08	2.50E-08	3.98E-07	4.23E-07	1.55E-07	2.11E-07	7.90E-08	4.23E-07	1.55E-07
113	486733.2	3855893	1.31E-03	1.27E-03	1.26E-03	4.52E-07	1.37E-06	7.90E-07	7.71E-07	6.99E-07	3.19E-07	3.15E-07	0.00E+00	0.00E+00	1.45E-07	2.62E-08	1.66E-07	2.56E-08	2.44E-08	3.88E-07	4.12E-07	1.51E-07	2.06E-07	7.69E-08	4.12E-07	1.51E-07
114	486783.2	3855893	1.28E-03	1.24E-03	1.23E-03	4.42E-07	1.33E-06	7.72E-07	7.53E-07	6.83E-07	3.12E-07	3.07E-07	0.00E+00	0.00E+00	1.42E-07	2.56E-08	1.62E-07	2.50E-08	2.38E-08	3.79E-07	4.03E-07	1.48E-07	2.01E-07	7.51E-08	4.03E-07	1.48E-07
115	486533.2	3855943	1.55E-03	1.51E-03	1.49E-03	5.35E-07	1.62E-06	9.36E-07	9.13E-07	8.28E-07	3.78E-07	3.73E-07	0.00E+00	0.00E+00	1.72E-07	3.10E-08	1.97E-07	3.03E-08	2.89E-08	4.59E-07	4.88E-07	1.79E-07	2.44E-07	9.10E-08	4.88E-07	1.79E-07
116	486583.2	3855943	1.50E-03	1.46E-03	1.44E-03	5.19E-07	1.57E-06	9.07E-07	8.86E-07	8.03E-07	3.66E-07	3.61E-07	0.00E+00	0.00E+00	1.67E-07	3.01E-08	1.91E-07	2.94E-08	2.80E-08	4.45E-07	4.73E-07	1.74E-07	2.36E-07	8.83E-08	4.73E-07	1.74E-07
117	486633.2	3855943	1.45E-03	1.41E-03	1.39E-03	5.00E-07	1.51E-06	8.74E-07	8.53E-07	7.73E-07	3.53E-07	3.48E-07	0.00E+00	0.00E+00	1.61E-07	2.90E-08	1.84E-07	2.83E-08	2.70E-08	4.29E-07	4.56E-07	1.67E-07	2.28E-07	8.51E-08	4.56E-07	1.67E-07
118	486683.2	3855943	1.40E-03	1.37E-03	1.35E-03	4.86E-07	1.47E-06	8.49E-07	8.29E-07	7.51E-07	3.43E-07	3.38E-07	0.00E+00	0.00E+00	1.56E-07	2.81E-08	1.79E-07	2.75E-08	2.62E-08	4.17E-07	4.43E-07	1.63E-07	2.21E-07	8.26E-08	4.43E-07	1.63E-07
119	486733.2	3855943	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.23E-07	8.03E-07	7.28E-07	3.32E-07	3.28E-07	0.00E+00	0.00E+00	1.51E-07	2.73E-08	1.73E-07	2.67E-08	2.54E-08	4.04E-07	4.29E-07	1.58E-07	2.14E-07	8.01E-08	4.29E-07	1.58E-07
120	486783.2	3855943	1.33E-03	1.30E-03	1.28E-03	4.59E-07	1.39E-06	8.03E-07	7.84E-07	7.10E-07	3.24E-07	3.20E-07	0.00E+00	0.00E+00	1.48E-07	2.66E-08	1.69E-07	2.60E-08	2.48E-08	3.94E-07	4.19E-07	1.54E-07	2.09E-07	7.81E-08	4.19E-07	1.54E-07
121	486533.2	3855993	1.64E-03	1.60E-03	1.58E-03	5.66E-07	1.71E-06	9.90E-07	9.66E-07	8.76E-07	4.00E-07	3.94E-07	0.00E+00	0.00E+00	1.82E-07	3.28E-08	2.08E-07	3.21E-08	3.05E-08	4.86E-07	5.16E-07	1.89E-07	2.58E-07	9.63E-08	5.16E-07	1.89E-07
122	486583.2	3855993	1.57E-03	1.54E-03	1.52E-03	5.45E-07	1.65E-06	9.53E-07	9.30E-07	8.43E-07	3.85E-07	3.80E-07	0.00E+00	0.00E+00	1.75E-07	3.16E-08	2.00E-07	3.09E-08	2.94E-08	4.67E-07	4.97E-07	1.82E-07	2.48E-07	9.27E-08	4.97E-07	1.82E-07
123	486633.2	3855993	1.52E-03	1.48E-03	1.46E-03	5.25E-07	1.59E-06	9.18E-07	8.96E-07	8.12E-07	3.71E-07	3.66E-07	0.00E+00	0.00E+00	1.69E-07	3.04E-08	1.93E-07	2.98E-08	2.83E-08	4.50E-07	4.79E-07	1.76E-07	2.39E-07	8.93E-08	4.79E-07	1.76E-07
124	486683.2	3855993	1.47E-03	1.44E-03	1.42E-03	5.09E-07	1.54E-06	8.90E-07	8.68E-07	7.87E-07	3.59E-07	3.54E-07	0.00E+00	0.00E+00	1.64E-07	2.95E-08	1.87E-07	2.88E-08	2.74E-08	4.37E-07	4.64E-07	1.70E-07	2.32E-07	8.66E-08	4.64E-07	1.70E-07
125	486733.2	3855993	1.42E-03	1.39E-03	1.37E-03	4.93E-07	1.49E-06	8.61E-07	8.40E-07	7.62E-07	3.48E-07	3.43E-07	0.00E+00	0.00E+00	1.58E-07	2.85E-08	1.81E-07	2.79E-08	2.66E-08	4.22E-07	4.49E-07	1.65E-07	2.24E-07	8.38E-08	4.49E-07	1.65E-07
126	486783.2	3855993	1.38E-03	1.35E-03	1.33E-03	4.79E-07	1.44E-06	8.36E-07	8.16E-07	7.40E-07	3.38E-07	3.33E-07	0.00E+00	0.00E+00	1.54E-07	2.77E-08	1.76E-07	2.71E-08	2.58E-08	4.10E-07	4.36E-07	1.60E-07	2.18E-07	8.14E-08	4.36E-07	1.60E-07
127	486533.2	3856043	1.73E-03	1.69E-03	1.67E-03	6.00E-07	1.81E-06	1.05E-06	1.02E-06	9.28E-07	4.24E-07	4.18E-07	0.00E+00	0.00E+00	1.93E-07	3.48E-08	2.21E-07	3.40E-08	3.24E-08	5.15E-07	5.47E-07	2.01E-07	2.73E-07	1.02E-07	5.47E-07	2.01E-07
128	486583.2	3856043	1.67E-03	1.63E-03	1.61E-03	5.77E-07	1.74E-06	1.01E-06	9.84E-07	8.92E-07	4.07E-07	4.02E-07	0.00E+00	0.00E+00	1.86E-07	3.34E-08	2.12E-07	3.27E-08	3.11E-08	4.95E-07	5.26E-07	1.93E-07	2.63E-07	9.82E-08	5.26E-07	1.93E-07
129	486633.2	3856043	1.60E-03	1.56E-03	1.54E-03	5.54E-07	1.67E-06	9.68E-07	9.44E-07	8.56E-07	3.91E-07	3.85E-07	0.00E+00	0.00E+00	1.78E-07	3.21E-08	2.03E-07	3.14E-08	2.98E-08	4.75E-07	5.05E-07	1.85E-07	2.52E-07	9.42E-08	5.05E-07	1.85E-07
130	486683.2	3856043	1.55E-03	1.51E-03	1.49E-03	5.35E-07	1.62E-06	9.36E-07	9.13E-07	8.28E-07	3.78E-07	3.73E-07	0.00E+00	0.00E+00	1.72E-07	3.10E-08	1.97E-07	3.03E-08	2.89E-08	4.59E-07	4.88E-07	1.79E-07	2.44E-07	9.10E-08	4.88E-07	1.79E-07
131	486733.2	3856043	1.49E-03	1.46E-03	1.44E-03	5.16E-07	1.56E-06	9.02E-07	8.81E-07	7.98E-07	3.64E-07	3.59E-07	0.00E+00	0.00E+00	1.66E-07	2.99E-08	1.90E-07	2.92E-08	2.78E-08	4.43E-07	4.71E-07	1.73E-07	2.35E-07	8.78E-08	4.71E-07	1.73E-07
132	486783.2	3856043	1.45E-03	1.41E-03	1.40E-03	5.02E-07	1.52E-06	8.77E-07	8.56E-07	7.76E-07	3.54E-07	3.49E-07	0.00E+00	0.00E+00	1.61E-07	2.91E-08	1.84E-07	2.84E-08	2.70E-08	4.30E-07	4.58E-07	1.68E-07	2.28E-07	8.53E-08	4.58E-07	1.68E-07
133	486533.2	3856093	1.85E-03	1.81E-03	1.79E-03	6.42E-07	1.94E-06	1.12E-06	1.09E-06	9.92E-07	4.53E-07	4.47E-07	0.00E+00	0.00E+00	2.06E-07	3.72E-08	2.36E-07	3.64E-08	3.46E-08	5.50E-07	5.85E-07	2.15E-07	2.92E-07	1.09E-07	5.85E-07	2.15E-07
134	486583.2	3856093	1.77E-03	1.73E-03	1.70E-03	6.13E-07	1.85E-06	1.07E-06	1.05E-06	9.48E-07	4.32E-07	4.27E-07	0.00E+00	0.00E+00	1.97E-07	3.55E-08	2.25E-07	3.47E-08	3.30E-08	5.25E-07	5.59E-07	2.05E-07	2.79E-07	1.04E-07	5.59E-07	2.05E-07
135	486633.2	3856093	1.69E-03	1.65E-03	1.63E-03	5.87E-07	1.77E-06	1.03E-06	1.00E-06	9.07E-07	4.14E-07	4.08E-07	0.00E+00	0.00E+00	1.89E-07	3.40E-08	2.16E-07	3.32E-08	3.16E-08	5.03E-07	5.35E-07	1.96E-07	2.67E-07	9.98E-08	5.35E-07	1.96E-07
136	486683.2	3856093	1.63E-03	1.59E-03	1.57E-03	5.65E-07	1.71E-06	9.87E-07	9.63E-07	8.73E-07	3.98E-07	3.93E-07	0.00E+00	0.00E+00	1.82E-07	3.27E-08	2.08E-07	3.20E-08	3.04E-08	4.84E-07	5.15E-07	1.89E-07	2.57E-07	9.61E-08	5.15E-07	1.89E-07
137	486733.2	3856093	1.57E-03	1.53E-03	1.51E-03	5.44E-07	1.64E-06	9.51E-07	9.28E-07	8.41E-07	3.84E-07	3.79E-07	0.00E+00	0.00E+00	1.75E-07	3.15E-08	2.00E-07	3.08E-08	2.93E-08	4.66E-07	4.96E-07	1.82E-07	2.48E-07	9.25E-08	4.96E-07	1.82E-07
138	486783.2	3856093	1.52E-03	1.48E-03	1.46E-03	5.26E-07	1.59E-06	9.20E-07	8.98E-07	8.14E-07	3.71E-07	3.66E-07	0.00E+00	0.00E+00	1.69E-07	3.05E-08	1.93E-07	2.98E-08	2.84E-08	4.51E-07	4.80E-07	1.76E-07	2.40E-07	8.95E-08	4.80E-07	1.76E-07
139	486533.2	3856143	1.99E-03	1.94E-03	1.91E-03	6.88E-07	2.08E-06	1.20E-06	1.17E-06	1.06E-06	4.86E-07	4.79E-07	0.00E+00	0.00E+00	2.21E-07	3.99E-08	2.53E-07	3.90E-08	3.71E-08	5.90E-07	6.28E-07	2.30E-07	3.13E-07	1.17E-07	6.28E-07	2.30E-07
140	486583.2	3856143	1.89E-03	1.84E-03	1.82E-03	6.53E-07	1.97E-06	1.14E-06	1.11E-06	1.01E-06	4.61E-07	4.54E-07	0.00E+00	0.00E+00	2.10E-07	3.78E-08	2.40E-07	3.70E-08	3.52E-08	5.60E-07	5.95E-07	2.18E-07	2.97E-07	1.11E-07	5.95E-07	2.18E-07
141	486633.2	3856143	1.80E-03	1.76E-03	1.74E-03	6.24E-07	1.89E-06	1.09E-06	1.07E-06	9.65E-07	4.41E-07	4.35E-07	0.00E+00	0.00E+00	2.01E-07	3.62E-08	2.29E-07	3.54E-08	3.37E-08	5.35E-07	5.69E-07	2.09E-07	2.84E-07	1.06E-07	5.69E-07	2.09E-07
142	486683.2	3856143	1.73E-03	1.69E-03	1.66E-03	5.98E-07	1.81E-06	1.05E-06	1.02E-06	9.25E-07	4.22E-07	4.16E-07	0.00E+00	0.00E+00	1.92E-07	3.46E-08	2.20E-07	3.39E-08	3.22E-08	5.13E-07	5.45E-07	2.00E-07	2.72E-07	1.02E-07	5.45E-07	2.00E-07
143	486733.2	3856143	1.66E-03	1.62E-03	1.60E-03	5.75E-07	1.74E-06	1.00E-06	9.80E-07	8.89E-07	4.05E-07	4.00E-07	0.00E+00	0.00E+00	1.85E-07	3.33E-08	2.11E-07	3.26E-08	3.10E-08	4.93E-07	5.24E-07	1.92E-07	2.62E-07	9.77E-08	5.24E-07	1.92E-07
144	486783.2	3856143	1.61E-03	1.57E-03	1.55E-03	5.57E-07	1.68E-06	9.73E-07	9.49E-07	8.60E-07	3.93E-07	3.87E-07	0.00E+00	0.00E+00	1.79E-07	3.22E-08	2.04E-07	3.15E-08	3.00E-08	4.77E-07	5.07E-07	1.86E-07	2.53E-07	9.46E-08	5.07E-07	1.86E-07
145	486533.2	3856193	2.16E-03	2.11E-03	2.08E-03	7.47E-07	2.26E-06	1.31E-06	1.27E-06	1.16E-06	5.27E-07	5.20E-07	0.00E+00	0.00E+00	2.40E-07	4.33E-08	2.75E-07	4.23E-08	4.03E-08	6.41E-07	6.81E-07	2.50E-07	3.40E-07	1.27E-07	6.81E-07	2.50E-07
146	486583.2	3856193	2.03E-03	1.98E-03	1.95E-03	7.03E-07	2.12E-06	1.23E-06	1.20E-06	1.09E-06	4.96E-07	4.89E-07	0.00E+00	0.00E+00	2.26E-07	4.07E-08	2.58E-07	3.98E-08	3.79E-08	6.02E-07	6.41E-07	2.35E-07	3.20E-07	1.20E-07	6.41E-07	2.35E-07
147	486633.2	3856193	1.93E-03	1.88E-03	1.86E-03	6.68E-07	2.02E-06	1.17E-06	1.14E-06	1.03E-06	4.71E-07	4.65E-07	0.00E+00	0.00E+00	2.15E-07	3.87E-08	2.45E-07	3.79E-08	3.60E-08	5.73E-07	6.09E-07	2.23E-07	3.04E-07	1.14E-07	6.09E-07	2.23E-07

148	486683.2	3856193	1.85E-03	1.80E-03	1.78E-03	6.40E-07	1.93E-06	1.12E-06	1.09E-06	9.89E-07	4.51E-07	4.45E-07	0.00E+00	0.00E+00	2.06E-07	3.70E-08	2.35E-07	3.62E-08	3.45E-08	5.49E-07	5.83E-07	2.14E-07	2.91E-07	1.09E-07	5.83E-07	2.14E-07
149	486733.2	3856193	1.77E-03	1.72E-03	1.70E-03	6.11E-07	1.85E-06	1.07E-06	1.04E-06	9.45E-07	4.31E-07	4.26E-07	0.00E+00	0.00E+00	1.97E-07	3.54E-08	2.25E-07	3.46E-08	3.30E-08	5.24E-07	5.57E-07	2.04E-07	2.78E-07	1.04E-07	5.57E-07	2.04E-07
150	486783.2	3856193	1.70E-03	1.66E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.00E-06	9.10E-07	4.15E-07	4.10E-07	0.00E+00	0.00E+00	1.89E-07	3.41E-08	2.16E-07	3.34E-08	3.17E-08	5.05E-07	5.37E-07	1.97E-07	2.68E-07	1.00E-07	5.37E-07	1.97E-07
151	486533.2	3856243	2.36E-03	2.30E-03	2.27E-03	8.16E-07	2.46E-06	1.43E-06	1.39E-06	1.26E-06	5.76E-07	5.68E-07	0.00E+00	0.00E+00	2.62E-07	4.72E-08	3.00E-07	4.62E-08	4.40E-08	7.00E-07	7.44E-07	2.73E-07	3.71E-07	1.39E-07	7.44E-07	2.73E-07
152	486583.2	3856243	2.21E-03	2.15E-03	2.13E-03	7.64E-07	2.31E-06	1.34E-06	1.30E-06	1.18E-06	5.39E-07	5.32E-07	0.00E+00	0.00E+00	2.46E-07	4.42E-08	2.81E-07	4.33E-08	4.12E-08	6.55E-07	6.97E-07	2.56E-07	3.48E-07	1.30E-07	6.97E-07	2.56E-07
153	486633.2	3856243	2.08E-03	2.03E-03	2.00E-03	7.20E-07	2.18E-06	1.26E-06	1.23E-06	1.11E-06	5.08E-07	5.01E-07	0.00E+00	0.00E+00	2.32E-07	4.17E-08	2.65E-07	4.08E-08	3.88E-08	6.18E-07	6.57E-07	2.41E-07	3.28E-07	1.23E-07	6.57E-07	2.41E-07
154	486683.2	3856243	1.97E-03	1.93E-03	1.90E-03	6.84E-07	2.06E-06	1.19E-06	1.17E-06	1.06E-06	4.82E-07	4.76E-07	0.00E+00	0.00E+00	2.20E-07	3.96E-08	2.51E-07	3.87E-08	3.68E-08	5.86E-07	6.23E-07	2.29E-07	3.11E-07	1.16E-07	6.23E-07	2.29E-07
155	486733.2	3856243	1.88E-03	1.84E-03	1.81E-03	6.52E-07	1.97E-06	1.14E-06	1.11E-06	1.01E-06	4.60E-07	4.54E-07	0.00E+00	0.00E+00	2.10E-07	3.78E-08	2.40E-07	3.69E-08	3.52E-08	5.59E-07	5.95E-07	2.18E-07	2.97E-07	1.11E-07	5.95E-07	2.18E-07
156	486783.2	3856243	1.80E-03	1.76E-03	1.73E-03	6.23E-07	1.88E-06	1.09E-06	1.06E-06	9.63E-07	4.40E-07	4.34E-07	0.00E+00	0.00E+00	2.00E-07	3.61E-08	2.29E-07	3.53E-08	3.36E-08	5.34E-07	5.68E-07	2.08E-07	2.84E-07	1.06E-07	5.68E-07	2.08E-07
157	486533.2	3856293	2.60E-03	2.54E-03	2.50E-03	9.00E-07	2.72E-06	1.57E-06	1.53E-06	1.39E-06	6.35E-07	6.26E-07	0.00E+00	0.00E+00	2.89E-07	5.21E-08	3.30E-07	5.10E-08	4.85E-08	7.71E-07	8.20E-07	3.01E-07	4.09E-07	1.53E-07	8.20E-07	3.01E-07
158	486583.2	3856293	2.41E-03	2.35E-03	2.32E-03	8.33E-07	2.52E-06	1.46E-06	1.42E-06	1.29E-06	5.88E-07	5.80E-07	0.00E+00	0.00E+00	2.68E-07	4.82E-08	3.06E-07	4.72E-08	4.49E-08	7.15E-07	7.60E-07	2.79E-07	3.79E-07	1.42E-07	7.60E-07	2.79E-07
159	486633.2	3856293	2.25E-03	2.20E-03	2.17E-03	7.80E-07	2.35E-06	1.36E-06	1.33E-06	1.21E-06	5.50E-07	5.43E-07	0.00E+00	0.00E+00	2.51E-07	4.51E-08	2.86E-07	4.42E-08	4.20E-08	6.68E-07	7.11E-07	2.61E-07	3.55E-07	1.33E-07	7.11E-07	2.61E-07
160	486683.2	3856293	2.12E-03	2.07E-03	2.04E-03	7.35E-07	2.22E-06	1.28E-06	1.25E-06	1.14E-06	5.18E-07	5.11E-07	0.00E+00	0.00E+00	2.36E-07	4.25E-08	2.70E-07	4.16E-08	3.96E-08	6.30E-07	6.70E-07	2.46E-07	3.34E-07	1.25E-07	6.70E-07	2.46E-07
161	486733.2	3856293	2.02E-03	1.97E-03	1.94E-03	6.98E-07	2.11E-06	1.22E-06	1.19E-06	1.08E-06	4.92E-07	4.86E-07	0.00E+00	0.00E+00	2.24E-07	4.04E-08	2.56E-07	3.95E-08	3.76E-08	5.98E-07	6.36E-07	2.33E-07	3.18E-07	1.19E-07	6.36E-07	2.33E-07
162	486783.2	3856293	1.92E-03	1.87E-03	1.85E-03	6.64E-07	2.00E-06	1.16E-06	1.13E-06	1.03E-06	4.68E-07	4.62E-07	0.00E+00	0.00E+00	2.13E-07	3.84E-08	2.44E-07	3.76E-08	3.58E-08	5.69E-07	6.05E-07	2.22E-07	3.02E-07	1.13E-07	6.05E-07	2.22E-07
163	486783.2	3856343	2.05E-03	2.00E-03	1.98E-03	7.10E-07	2.15E-06	1.24E-06	1.21E-06	1.10E-06	5.01E-07	4.95E-07	0.00E+00	0.00E+00	2.28E-07	4.11E-08	2.61E-07	4.02E-08	3.83E-08	6.09E-07	6.48E-07	2.38E-07	3.23E-07	1.21E-07	6.48E-07	2.38E-07
164	486833.2	3856343	1.95E-03	1.90E-03	1.88E-03	6.75E-07	2.04E-06	1.18E-06	1.15E-06	1.04E-06	4.76E-07	4.70E-07	0.00E+00	0.00E+00	2.17E-07	3.91E-08	2.48E-07	3.82E-08	3.64E-08	5.79E-07	6.16E-07	2.26E-07	3.07E-07	1.15E-07	6.16E-07	2.26E-07
165	486883.2	3856343	1.86E-03	1.82E-03	1.79E-03	6.44E-07	1.95E-06	1.13E-06	1.10E-06	9.96E-07	4.55E-07	4.48E-07	0.00E+00	0.00E+00	2.07E-07	3.73E-08	2.37E-07	3.65E-08	3.47E-08	5.52E-07	5.87E-07	2.15E-07	2.93E-07	1.10E-07	5.87E-07	2.15E-07
166	486783.2	3856393	2.20E-03	2.14E-03	2.12E-03	7.61E-07	2.30E-06	1.33E-06	1.30E-06	1.18E-06	5.37E-07	5.30E-07	0.00E+00	0.00E+00	2.45E-07	4.40E-08	2.79E-07	4.31E-08	4.10E-08	6.52E-07	6.94E-07	2.54E-07	3.46E-07	1.29E-07	6.94E-07	2.54E-07
167	486833.2	3856393	2.08E-03	2.03E-03	2.00E-03	7.19E-07	2.17E-06	1.26E-06	1.23E-06	1.11E-06	5.07E-07	5.01E-07	0.00E+00	0.00E+00	2.31E-07	4.16E-08	2.64E-07	4.07E-08	3.88E-08	6.17E-07	6.56E-07	2.40E-07	3.27E-07	1.22E-07	6.56E-07	2.40E-07
168	486883.2	3856393	1.97E-03	1.92E-03	1.90E-03	6.82E-07	2.06E-06	1.19E-06	1.16E-06	1.05E-06	4.81E-07	4.75E-07	0.00E+00	0.00E+00	2.19E-07	3.95E-08	2.51E-07	3.86E-08	3.68E-08	5.85E-07	6.22E-07	2.28E-07	3.10E-07	1.16E-07	6.22E-07	2.28E-07
169	487208.7	3856886	2.59E-03	2.53E-03	2.49E-03	8.97E-07	2.71E-06	1.57E-06	1.53E-06	1.39E-06	6.33E-07	6.24E-07	0.00E+00	0.00E+00	2.88E-07	5.19E-08	3.29E-07	5.08E-08	4.83E-08	7.69E-07	8.18E-07	3.00E-07	4.08E-07	1.53E-07	8.18E-07	3.00E-07
170	487258.7	3856886	2.42E-03	2.36E-03	2.33E-03	8.37E-07	2.53E-06	1.46E-06	1.43E-06	1.29E-06	5.91E-07	5.83E-07	0.00E+00	0.00E+00	2.69E-07	4.85E-08	3.07E-07	4.74E-08	4.51E-08	7.18E-07	7.63E-07	2.80E-07	3.81E-07	1.42E-07	7.63E-07	2.80E-07
171	487308.7	3856886	2.27E-03	2.22E-03	2.19E-03	7.87E-07	2.38E-06	1.37E-06	1.34E-06	1.22E-06	5.55E-07	5.48E-07	0.00E+00	0.00E+00	2.53E-07	4.55E-08	2.89E-07	4.46E-08	4.24E-08	6.74E-07	7.17E-07	2.63E-07	3.58E-07	1.34E-07	7.17E-07	2.63E-07
172	487358.7	3856886	2.15E-03	2.10E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.27E-06	1.15E-06	5.24E-07	5.17E-07	0.00E+00	0.00E+00	2.39E-07	4.30E-08	2.73E-07	4.21E-08	4.01E-08	6.37E-07	6.78E-07	2.49E-07	3.38E-07	1.26E-07	6.78E-07	2.49E-07
173	487208.7	3856936	2.82E-03	2.75E-03	2.72E-03	9.77E-07	2.95E-06	1.71E-06	1.67E-06	1.51E-06	6.89E-07	6.80E-07	0.00E+00	0.00E+00	3.14E-07	5.66E-08	3.59E-07	5.54E-08	5.27E-08	8.38E-07	8.91E-07	3.27E-07	4.45E-07	1.66E-07	8.91E-07	3.27E-07
174	487258.7	3856936	2.61E-03	2.55E-03	2.52E-03	9.04E-07	2.73E-06	1.58E-06	1.54E-06	1.40E-06	6.38E-07	6.30E-07	0.00E+00	0.00E+00	2.91E-07	5.24E-08	3.32E-07	5.12E-08	4.87E-08	7.75E-07	8.25E-07	3.02E-07	4.12E-07	1.54E-07	8.25E-07	3.02E-07
175	487308.7	3856936	2.44E-03	2.38E-03	2.35E-03	8.44E-07	2.55E-06	1.48E-06	1.44E-06	1.30E-06	5.95E-07	5.87E-07	0.00E+00	0.00E+00	2.71E-07	4.89E-08	3.10E-07	4.78E-08	4.55E-08	7.24E-07	7.69E-07	2.82E-07	3.84E-07	1.44E-07	7.69E-07	2.82E-07
176	487358.7	3856936	2.29E-03	2.23E-03	2.21E-03	7.93E-07	2.39E-06	1.39E-06	1.35E-06	1.23E-06	5.59E-07	5.52E-07	0.00E+00	0.00E+00	2.55E-07	4.59E-08	2.91E-07	4.49E-08	4.27E-08	6.80E-07	7.23E-07	2.65E-07	3.61E-07	1.35E-07	7.23E-07	2.65E-07
177	487208.7	3856986	3.11E-03	3.04E-03	3.00E-03	1.08E-06	3.25E-06	1.88E-06	1.84E-06	1.67E-06	7.60E-07	7.50E-07	0.00E+00	0.00E+00	3.46E-07	6.24E-08	3.96E-07	6.10E-08	5.81E-08	9.24E-07	9.82E-07	3.60E-07	4.90E-07	1.83E-07	9.82E-07	3.60E-07
178	487258.7	3856986	2.85E-03	2.78E-03	2.74E-03	9.86E-07	2.98E-06	1.72E-06	1.68E-06	1.52E-06	6.96E-07	6.87E-07	0.00E+00	0.00E+00	3.17E-07	5.71E-08	3.62E-07	5.59E-08	5.32E-08	8.46E-07	8.99E-07	3.30E-07	4.49E-07	1.68E-07	8.99E-07	3.30E-07
179	487308.7	3856986	2.64E-03	2.57E-03	2.54E-03	9.12E-07	2.75E-06	1.59E-06	1.56E-06	1.41E-06	6.44E-07	6.35E-07	0.00E+00	0.00E+00	2.93E-07	5.28E-08	3.35E-07	5.17E-08	4.92E-08	7.82E-07	8.32E-07	3.05E-07	4.15E-07	1.55E-07	8.32E-07	3.05E-07
180	487358.7	3856986	2.46E-03	2.40E-03	2.37E-03	8.51E-07	2.57E-06	1.49E-06	1.45E-06	1.32E-06	6.01E-07	5.93E-07	0.00E+00	0.00E+00	2.74E-07	4.93E-08	3.13E-07	4.82E-08	4.59E-08	7.30E-07	7.76E-07	2.85E-07	3.87E-07	1.45E-07	7.76E-07	2.85E-07
181	487208.7	3857036	3.48E-03	3.40E-03	3.35E-03	1.21E-06	3.64E-06	2.11E-06	2.06E-06	1.86E-06	8.50E-07	8.39E-07	0.00E+00	0.00E+00	3.88E-07	6.98E-08	4.43E-07	6.83E-08	6.50E-08	1.03E-06	1.10E-06	4.03E-07	5.48E-07	2.05E-07	1.10E-06	4.03E-07
182	487258.7	3857036	3.14E-03	3.07E-03	3.03E-03	1.09E-06	3.28E-06	1.90E-06	1.86E-06	1.68E-06	7.67E-07	7.57E-07	0.00E+00	0.00E+00	3.50E-07	6.30E-08	4.00E-07	6.16E-08	5.86E-08	9.32E-07	9.92E-07	3.64E-07	4.95E-07	1.85E-07	9.92E-07	3.64E-07
183	487308.7	3857036	2.87E-03	2.80E-03	2.77E-03	9.95E-07	3.00E-06	1.74E-06	1.70E-06	1.54E-06	7.02E-07	6.93E-07	0.00E+00	0.00E+00	3.20E-07	5.76E-08	3.66E-07	5.64E-08	5.36E-08	8.53E-07	9.07E-07	3.33E-07	4.53E-07	1.69E-07	9.07E-07	3.33E-07
184	487358.7	3857036	2.66E-03	2.59E-03	2.56E-03	9.20E-07	2.78E-06	1.61E-06	1.57E-06	1.42E-06	6.49E-07	6.41E-07	0.00E+00	0.00E+00	2.96E-07	5.33E-08	3.38E-07	5.21E-08	4.96E-08	7.89E-07	8.39E-07	3.08E-07	4.19E-07	1.56E-07	8.39E-07	3.08E-07
185	487427.1	3856878	1.99E-03	1.94E-03	1.91E-03	6.87E-07	2.08E-06	1.20E-06	1.17E-06	1.06E-06	4.85E-07	4.79E-07	0.00E+00	0.00E+00	2.21E-07	3.98E-08	2.53E-07	3.89E-08	3.71E-08	5.89E-07	6.27E-07	2.30E-07	3.13E-07	1.17E-07	6.27E-07	2.30E-07
186	487477.1	3856878	1.90E-03	1.85E-03	1.83E-03	6.57E-07	1.98E-06	1.15E-06	1.12E-06	1.02E-06	4.63E-07	4.57E-07	0.00E+00	0.00E+00	2.11E-07	3.80E-08	2.41E-07	3.72E-08	3.54E-08	5.63E-07	5.99E-07	2.20E-07	2.99E-07	1.12E-07	5.99E-07	2.20E-07
187	487527.1	3856878	1.82E-03	1.77E-03	1.75E-03	6.29E-07	1.90E-06	1.10E-06	1.07E-06	9.73E-07	4.44E-07	4.38E-07	0.00E+00	0.00E+00	2.02E-07	3.64E-08	2.31E-07	3.57E-08	3.39E-08	5.40E-07	5.74E-07	2.10E-07	2.86E-07	1.07E-07	5.74E-07	2.10E-07
188	487427.1	3856928	2.10E-03	2.05E-03	2.02E-03	7.28E-07	2.20E-06	1.27E-06	1.24E-06	1.13E-06	5.13E-07	5.07E-07	0.00E+00	0.00E+00	2.34E-07	4.21E-08	2.67E-07	4.12E-08	3.92E-08	6.24E-07	6.63E-07	2.43E-07	3.31E-07	1.24E-07	6.63E-07	2.43E-07
189	487477.1	3856928	2.00E-03	1.95E-03	1.93E-03	6.92E-07	2.09E-06	1.21E-06	1.18E-06	1.07E-06	4.88E-07	4.82E-07	0.00E+00	0.00E+00	2.23E-07	4.01E-08	2.54E-07	3.92E-08	3.73E-08	5.94E-07	6.31E-07	2.32E-07	3.15E-07	1.18E-07	6.31E-07	2.32E-07
190	487527.1	3856928	1.91E-03	1.86E-03	1.84E-03	6.61E-07	2.00E-06	1.16E-06	1.13E-06	1.02E-06	4.67E-07	4.60E-07	0.00E+00	0.00E+00	2.13E-07	3.83E-08	2.43E-07	3.75E-08	3.56E-08	5.67E-07	6.03E-07	2.21E-07	3.01E-07	1.12E-07	6.03E-07	2.21E-07
191	487577.1	3856928	1.83E-03	1.79E-03	1.76E-03	6.34E-07	1.91E-06	1.11E-06	1.08E-06	9.80E-07	4.47E-07	4.41E-07	0.00E+00	0.00E+00	2.04E-07	3.67E-08	2.33E-07	3.59E-08	3.42E-08	5.43E-07	5.78E-07	2.12E-07	2.88E-07	1.08E-07	5.78E-07	2.12E-07
192	487627.1	3856928	1.76E-03	1.72E-03	1.69E-03	6.09E-07	1.84E-06	1.06E-06	1.04E-06	9.41E-07	4.30E-07	4.24E-07	0.00E+00	0.00E+00	1.96E-07	3.52E-08	2.24E-07	3.45E-08	3.28E-08	5.22E-07	5.55E-07	2.04E-07	2.77E-07	1.04E-07	5.55E-07	2.04E-07
193	487677.1	3856928	1.69E-03	1.65E-03	1.63E-03	5.87E-07	1.77E-06	1.03E-06	1.00E-06	9.07E-07	4.14E-07	4.08E-07	0.00E+00	0.00E+00	1.89E-07	3.40E-08	2.15E-07	3.32E-08	3.16E-08	5.03E-07	5.35E-07	1.96E-07	2.67E-07	9.97E-08	5.35E-07	1.96E-07
194	487727.1	3856928	1.64E-03	1.60E-03	1.58E-03	5.67E-07	1.71E-06	9.90E-07	9.66E-07	8.76E-07	4.00E-07	3.94E-07	0.00E+00	0.00E+00	1.82E-07	3.28E-08	2.08E-07	3.21E-08	3.05E-08	4.86E-07	5.17E-07	1.89E-07	2.58E-07	9.63E-08	5.17E-07	1.89E-07
195	487777.1	3856928	1.58E-03	1.54E-03	1.52E-03	5.48E-07	1.65E-06	9.58E-07	9.35E-07	8.47E-07	3.87E-07	3.82E-07	0.00E+00	0.00E+00	1.76E-07	3.17E-08	2.01E-07	3.10E-08	2.95E-08	4.70E-07	5.00E-07	1.83E-07	2.49E-07	9.32E-08	5.00E-07	1.83E-07
196	487427.1	3856978	2.24E-03	2.18E-03	2.15E-03	7.74E-07	2.34E-06	1.35E-06	1.32E-06	1.20E-06	5.46E-07	5.39E-07	0.00E+00	0.00E+00	2.49E-07	4.48E-08	2.84E-07	4.39E-08	4.17E-08	6.64E-07	7.06E-07	2.59E-07	3.52E-07	1.32E-07	7.06E-07	2.59E-07
197	487477.1	3856978	2.12E-03	2.07E-03	2.04E-03	7.33E-07	2.21E-06	1.28E-06	1.25E-06	1.13E-06	5.17E-07	5.11E-07	0.00E+00	0.00E+00	2.36E-07	4.25E-08	2.69E-07	4.16E-08	3.95E-08	6.29E-07	6.69E-07	2.45E-07	3.34E-07	1.25E-07	6.69E-07	2.45E-07
198	487527.1	3856978	2.02E-03	1.97E-03	1.94E-03	6.98E-07	2.11E-06	1.22E-06	1.19E-06	1.08E-06	4.92E-07	4.86E-07	0.00E+00	0.00E+00	2.24E-07	4.04E-08	2.56E-07	3.95E-08	3.76E-08	5.98E-07	6.36E-07	2.33E-07	3.18E-07	1.19E-07	6.36E-07	2.33E-07
199	487577.1	3856978	1.93E-03	1.88E-03	1.85E-03	6.66E-07	2.01E-06	1.16E-06	1.14E-06	1.03E-06	4.70E-07	4.64E-07	0.00E+00	0.00E+00	2.14E-07	3.86E-08	2.45E-07	3.78E-08	3.59E-08	5.71E-07	6.08E-07	2.23E-07	3.03E-07	1.13E-07	6.08E-07	2.23E-07
200	487627.1	3856978	1.84E-03	1.80E-03	1.77E-03	6.38E-07	1.93E-06	1.12E-06	1.09E-06	9.87E-07	4.50E-07	4.44E-07	0.00E+00	0.00E+00	2.05E-07	3.69E-08	2.34E-07	3.61E-08	3.44E-08	5.47E-07	5.82E-07	2.13E-07	2.90E-07	1.09E-07	5.82E-07	2.13E-07
201	487677.1	3856978	1.77E-03	1.73E-03	1.71E-03	6.13E-07	1.85E-06	1.07E-06	1.05E-06	9.48E-07	4.33E-07	4.27E-07	0.00E+00	0.00E+00	1.97E-07	3.55E-08	2.25E-07	3.47E-08	3.31E-08	5.26E-07	5.59E-07	2.05E-07	2.79E-07	1.04E-07	5.59E-07	2.05E-07
202	487727.1	3856978	1.70E-03	1.66E-03	1.64E-03	5.90E-07	1.78E-06	1.03E-06	1.01E-06	9.12E-07	4.16E-07	4.11E-07	0.00E+00	0.00E+00	1.90E-07	3.42E-08	2.17E-07	3.34E-08	3.18E-08	5.06E-07	5.38E-07	1.97E-07	2.68E-07	1.00E-07	5.38E-07	1.97E-07
203	487777.1	3856978	1.65E-03	1.61E-03	1.59E-03	5.70E-07	1.72E-06	9.97E-07	9.73E-07	8.82E-07	4.02E-07	3.97E-07	0.00E+00	0.00E+00	1.83E-07	3.30E-08	2.10E-07	3.23E-08	3.07E-08	4.89E-07	5.20E-07	1.91E-07	2.60E-07	9.70E-08	5.20E-07	1.91E-07
204	487427.1	3857028	2.39E-03	2.34E-03	2.30E-03	8.28E-07	2.50E-06	1.45E-06	1.41E-06	1.28E-06	5.84E-07	5.77E-07	0.00E+00	0.00E+00	2.66E-07	4.80E-08	3.04E-07	4.69E-08	4.47E-08	7.10E-07	7.55E-07	2.77E-07	3.77E-07	1.41E-07	7.55E-07	2.77E-07
205	487477.1	3857028	2.25E-03	2.20E-03	2.17E-03	7.80E-07	2.36E-06	1.36E-06	1.33E-06	1.21E-06	5.51E-07	5.43E-07	0.00E+00	0.00E+00	2.51E-07	4.52E-08	2.87E-07	4.42E-08	4.21E-08	6.69E-07	7.12E-07	2.61E-07	3.55E-07	1.33E-07	7.12E-07	2.61E-07
206	487527.1	3857028	2.13E-03	2.08E-03	2.06E-03	7.39E-07	2.23E-06	1.29E-06	1.26E-06	1.14E-06	5.21E-07	5.14E-07	0.00E+00	0.00E+00	2.38E-07	4.28E-08	2.71E-07	4.19E-08	3.98E-08	6.34E-07	6.74E-07	2.47E-07	3.36E-07	1.26E-07	6.74E-07	2.47E-07
207	487577.1	3857028	2.03E-03	1.98E-03	1.96E-03	7.03E-07	2.12E-06	1.23E-06	1.20E-06	1.09E-06	4.96E-07	4.89E-07	0.00E+00	0.00E+00	2.26E-07	4.07E-08	2.58E-07	3.98E-08	3.79E-08	6.03E-07	6.41E-07	2.35E-07	3.20E-07	1.20E-07	6.41E-07	2.35E-07
208	487627.1	3857028	1.94E-03	1.89E-03	1.87E-03	6.71E-07	2.03E-06	1.17E-06	1.14E-06	1.04E-06	4.73E-07	4.67E-07	0.00E+00	0.00E+00	2.16E-07	3.88E-08	2.46E-07	3.80E-08	3.62E-08	5.75E-07	6.12E-07	2.24E-07	3.05E-07	1.14E-07	6.12E-07	2.24E-07
209	487677.1	3857028	1.86E-03	1.81E-03	1.79E-03	6.43E-07	1.94E-06	1.12E-06	1.10E-06	9.94E-07	4.53E-07	4.47E-07	0.00E+00	0.00E+00	2.07E-07	3.72E-08	2.36E-07	3.64E-08	3.46E-08	5.51E-07	5.86E-07	2.15E-07	2.92E-07	1.09E-07	5.86E-07	2.15E-07
210	487727.1	3857028	1.78E-03	1.74E-03	1.72E-03	6.18E-07	1.87E-06	1.08E-06	1.05E-06	9.55E-07	4.36E-07	4.30E-07	0.00E+00	0.00E+00	1.99E-07	3.58E-08	2.27E-07	3.50E-08	3.33E-08	5.30E-07	5.63E-07	2.07E-07	2.81E-07	1.05E-07	5.63E-07	2.07E-07
211	487777.1	3857028	1.72E-03	1.68E-03	1.66E-03	5.95E-07	1.80E-06	1.04E-06	1.01E-06	9.20E-07	4.20E-07	4.14E-07	0.00E+00	0.00E+00	1.91E-07	3.44E-08	2.19E-07	3.37E-08	3.21E-08	5.10E-07	5.42E-07	1.99E-07	2.71E-07	1.01E-07	5.42E-07	1.99E-07
212	487427.1	3857078	2.58E-03	2.52E-03	2.48E-03	8.92E-07	2.69E-06	1.56E-06	1.52E-06	1.38E-06	6.30E-07	6.21E-07	0.00E+00	0.00E+00	2.87E-07	5.17E-08	3.28E-07	5.05E-08	4.81E-08	7.65E-07	8.14E-07	2.98E-07	4.06E-07	1.52E-07	8.14E-07	2.98E-07
213	487477.1	3857078	2.41E-03	2.35E-03	2.32E-03	8.35E-07	2.52E-06	1.46E-06	1.42E-06	1.29E-06	5.89E-07	5.81E-07	0.00E+00	0.00E+00	2.68E-07	4.83E-08	3.07E-07	4.73E-08	4.50E-08	7.16E-07	7.61E-07	2.79E-07	3.80E-07	1.42E-07	7.61E-07	2.79E-07
214	487527.1	3857078	2.27E-03	2.22E-03	2.19E-03	7.86E-07	2.37E-06	1.37E-06	1.34E-06	1.22E-06	5.55E-07	5.47E-07	0.00E+00	0.00E+00	2.53E-07	4.55E-08	2.89E-07	4.45E-08	4.24E-08	6.74E-07	7.17E-07	2.63E-07	3.58E-07	1.34E-07	7.17E-07	2.63E-07
215	487577.1	3857078	2.15E-03	2.10E-03	2.07E-03	7.45E-07	2.25E-06	1.30E-06	1.27E-06	1.15E-06	5.25E-07	5.18E-07	0.00E+00	0.00E+00	2.39E-07	4.31E-08	2.74E-07	4.22E-08	4.01E-08	6.38E-07	6.79E-07	2.49E-07	3.39E-07	1.27E-07	6.79E-07	2.49E-07
216	487627.1	3857078	2.04E-03	2.00E-03	1.97E-03	7.08E-07	2.14E-06	1.24E-06	1.21E-06	1.09E-06	4.99E-07	4.93E-07	0.00E+00	0.00E+00	2.28E-07	4.10E-08	2.60E-07	4.01E-08	3.82E-08	6.07E-07	6.45E-07	2.37E-07	3.22E-07	1.20E-07	6.45E-07	2.37E-07
217	487677.1	3857078	1.95E-03	1.91E-03	1.88E-03	6.76E-07	2.04E-06	1.18E-06	1.15E-06	1.05E-06	4.77E-07	4.71E-07	0.00E+00	0.00E+00	2.17E-07	3.91E-08	2.48E-07	3.83E-08	3.64E-08	5.80E-07	6.16E-07	2.26E-07	3.08E-07	1.15E-07	6.16E-07	2.26E-07
218	487727.1	3857078	1.87E-03	1.83E-03	1.80E-03	6.48E-07	1.96E-06	1.13E-06	1.10E-06	1.00E-06	4.57E-07	4.51E-07	0.00E+00	0.00E+00	2.08E-07	3.75E-08	2.38E-07	3.67E-08	3.49E-08	5.55E-07	5.91E-07	2.17E-07	2.95E-07	1.10E-07	5.91E-07	2.17E-07
219	487777.1	3857078	1.80E-03	1.75E-03	1.73E-03	6.22E-07	1.88E-06	1.09E-06	1.06E-06	9.62E-07	4.39E-07	4.33E-07	0.00E+00	0.00E+00	2.00E-07	3.60E-08	2.29E-07	3.52E-08	3.35E-08	5.33E-07	5.67E-07	2.08E-07	2.83E-07	1.06E-07	5.67E-07	2.08E-07
220	487427.1	3857128	2.80E-03	2.73E-03	2.70E-03	9.69E-07	2.93E-06	1.69E-06	1.65E-06	1.50E-06	6.84E-07	6.75E-07	0.00E+00	0.00E+00	3.12E-07	5.61E-08	3.56E-07	5.49E-08	5.22E-08	8.31E-07	8.84E-07	3.24E-07	4.41E-07	1.65E-07	8.84E-07	3.24E-07
221	487477.1	3857128	2.60E-03	2.54E-03	2.50E-03	9.00E-07	2.72E-06	1.57E-06	1.53E-06	1.39E-06	6.35E-07	6.26E-07	0.00E+00	0.00E+00	2.89E-07	5.21E-08	3.31E-07	5.10E-08	4.85E-08	7.71E-07	8.20E-07	3.01E-07	4.09E-07	1.53E-07	8.20E-07	3.01E-07
222	487527.1	3857128	2.43E-03	2.37E-03	2.34E-03	8.42E-07	2.54E-06	1.47E-06	1.44E-06	1.30E-06	5.94E-07	5.86E-07	0.00E+00	0.00E+00	2.71E-07	4.87E-08	3.09E-07	4.77E-08	4.54E-08	7.22E-07	7.68E-07	2.82E-07	3.83E-07	1.43E-07	7.68E-07	2.82E-07
223	487577.1	3857128	2.29E-03	2.23E-03	2.21E-03	7.93E-07	2.39E-06	1.39E-06	1.35E-06	1.23E-06	5.59E-07	5.52E-07	0.00E+00	0.00E+00	2.55E-07	4.59E-08	2.91E-07	4.49E-08	4.27E-08	6.80E-07	7.23E-07	2.65E-07	3.61E-07	1.35E-07	7.23E-07	2.65E-07
224	487627.1	3857128	2.17E-03	2.12E-03	2.09E-03	7.50E-07	2.27E-06	1.31E-06	1.28E-06	1.16E-06	5.29E-07	5.22E-07	0.00E+00	0.00E+00	2.41E-07	4.34E-08	2.76E-07	4.25E-08	4.04E-08	6.43E-07	6.84E-07	2.51E-07	3.41E-07	1.28E-07	6.84E-07	2.51E-07

225	487677.1	3857128	2.06E-03	2.01E-03	1.98E-03	7.14E-07	2.15E-06	1.25E-06	1.22E-06	1.10E-06	5.03E-07	4.97E-07	0.00E+00	0.00E+00	2.29E-07	4.13E-08	2.62E-07	4.04E-08	3.85E-08	6.12E-07	6.51E-07	2.39E-07	3.25E-07	1.21E-07	6.51E-07	2.39E-07
226	487727.1	3857128	1.97E-03	1.92E-03	1.90E-03	6.81E-07	2.06E-06	1.19E-06	1.16E-06	1.05E-06	4.81E-07	4.74E-07	0.00E+00	0.00E+00	2.19E-07	3.94E-08	2.50E-07	3.86E-08	3.67E-08	5.84E-07	6.21E-07	2.28E-07	3.10E-07	1.16E-07	6.21E-07	2.28E-07
227	487777.1	3857128	1.89E-03	1.84E-03	1.82E-03	6.53E-07	1.97E-06	1.14E-06	1.11E-06	1.01E-06	4.60E-07	4.54E-07	0.00E+00	0.00E+00	2.10E-07	3.78E-08	2.40E-07	3.70E-08	3.52E-08	5.60E-07	5.95E-07	2.18E-07	2.97E-07	1.11E-07	5.95E-07	2.18E-07
228	488049.4	3856539	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.55E-07	5.94E-07	2.71E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.22E-08	1.41E-07	2.18E-08	2.07E-08	3.29E-07	3.50E-07	1.28E-07	1.75E-07	6.53E-08	3.50E-07	1.28E-07
229	488099.4	3856539	1.09E-03	1.06E-03	1.05E-03	3.77E-07	1.14E-06	6.59E-07	6.43E-07	5.83E-07	2.66E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.18E-08	1.39E-07	2.14E-08	2.03E-08	3.23E-07	3.44E-07	1.26E-07	1.72E-07	6.41E-08	3.44E-07	1.26E-07
230	488149.4	3856539	1.07E-03	1.04E-03	1.03E-03	3.71E-07	1.12E-06	6.48E-07	6.32E-07	5.73E-07	2.62E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.15E-08	1.36E-07	2.10E-08	2.00E-08	3.18E-07	3.38E-07	1.24E-07	1.69E-07	6.30E-08	3.38E-07	1.24E-07
231	488049.4	3856589	1.14E-03	1.11E-03	1.09E-03	3.93E-07	1.19E-06	6.87E-07	6.70E-07	6.08E-07	2.77E-07	2.74E-07	0.00E+00	0.00E+00	1.26E-07	2.27E-08	1.44E-07	2.23E-08	2.12E-08	3.37E-07	3.58E-07	1.31E-07	1.79E-07	6.68E-08	3.58E-07	1.31E-07
232	488099.4	3856589	1.11E-03	1.09E-03	1.07E-03	3.86E-07	1.16E-06	6.74E-07	6.58E-07	5.96E-07	2.72E-07	2.68E-07	0.00E+00	0.00E+00	1.24E-07	2.23E-08	1.42E-07	2.18E-08	2.08E-08	3.31E-07	3.52E-07	1.29E-07	1.75E-07	6.56E-08	3.52E-07	1.29E-07
233	488149.4	3856589	1.09E-03	1.07E-03	1.05E-03	3.79E-07	1.14E-06	6.62E-07	6.46E-07	5.86E-07	2.67E-07	2.64E-07	0.00E+00	0.00E+00	1.22E-07	2.19E-08	1.39E-07	2.15E-08	2.04E-08	3.25E-07	3.45E-07	1.27E-07	1.72E-07	6.44E-08	3.45E-07	1.27E-07
234	488199.4	3856589	1.07E-03	1.05E-03	1.04E-03	3.72E-07	1.12E-06	6.50E-07	6.35E-07	5.75E-07	2.63E-07	2.59E-07	0.00E+00	0.00E+00	1.20E-07	2.15E-08	1.37E-07	2.11E-08	2.01E-08	3.19E-07	3.39E-07	1.24E-07	1.69E-07	6.33E-08	3.39E-07	1.24E-07
235	488249.4	3856589	1.06E-03	1.03E-03	1.02E-03	3.67E-07	1.11E-06	6.41E-07	6.26E-07	5.67E-07	2.59E-07	2.55E-07	0.00E+00	0.00E+00	1.18E-07	2.12E-08	1.35E-07	2.08E-08	1.98E-08	3.14E-07	3.34E-07	1.23E-07	1.67E-07	6.24E-08	3.34E-07	1.23E-07
236	488049.4	3856639	1.16E-03	1.13E-03	1.12E-03	4.02E-07	1.21E-06	7.03E-07	6.86E-07	6.22E-07	2.84E-07	2.80E-07	0.00E+00	0.00E+00	1.29E-07	2.33E-08	1.48E-07	2.28E-08	2.17E-08	3.45E-07	3.67E-07	1.35E-07	1.83E-07	6.84E-08	3.67E-07	1.35E-07
237	488099.4	3856639	1.14E-03	1.11E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	6.73E-07	6.10E-07	2.78E-07	2.75E-07	0.00E+00	0.00E+00	1.27E-07	2.28E-08	1.45E-07	2.24E-08	2.13E-08	3.38E-07	3.60E-07	1.32E-07	1.80E-07	6.71E-08	3.60E-07	1.32E-07
238	488149.4	3856639	1.12E-03	1.09E-03	1.08E-03	3.87E-07	1.17E-06	6.77E-07	6.61E-07	5.99E-07	2.73E-07	2.70E-07	0.00E+00	0.00E+00	1.25E-07	2.24E-08	1.42E-07	2.19E-08	2.09E-08	3.32E-07	3.53E-07	1.30E-07	1.76E-07	6.59E-08	3.53E-07	1.30E-07
239	488199.4	3856639	1.10E-03	1.07E-03	1.06E-03	3.81E-07	1.15E-06	6.66E-07	6.50E-07	5.89E-07	2.69E-07	2.65E-07	0.00E+00	0.00E+00	1.22E-07	2.21E-08	1.40E-07	2.16E-08	2.05E-08	3.27E-07	3.47E-07	1.27E-07	1.73E-07	6.48E-08	3.47E-07	1.27E-07
240	488249.4	3856639	1.08E-03	1.06E-03	1.04E-03	3.74E-07	1.13E-06	6.54E-07	6.39E-07	5.79E-07	2.64E-07	2.61E-07	0.00E+00	0.00E+00	1.20E-07	2.17E-08	1.38E-07	2.12E-08	2.02E-08	3.21E-07	3.41E-07	1.25E-07	1.70E-07	6.37E-08	3.41E-07	1.25E-07
241	488299.4	3856639	1.06E-03	1.04E-03	1.02E-03	3.68E-07	1.11E-06	6.44E-07	6.28E-07	5.70E-07	2.60E-07	2.56E-07	0.00E+00	0.00E+00	1.18E-07	2.13E-08	1.35E-07	2.09E-08	1.99E-08	3.16E-07	3.36E-07	1.23E-07	1.68E-07	6.26E-08	3.36E-07	1.23E-07
242	488349.4	3856639	1.05E-03	1.02E-03	1.01E-03	3.62E-07	1.09E-06	6.33E-07	6.18E-07	5.60E-07	2.56E-07	2.52E-07	0.00E+00	0.00E+00	1.17E-07	2.10E-08	1.33E-07	2.05E-08	1.95E-08	3.11E-07	3.30E-07	1.21E-07	1.65E-07	6.16E-08	3.30E-07	1.21E-07
243	488399.4	3856639	1.03E-03	1.01E-03	9.93E-04	3.57E-07	1.08E-06	6.24E-07	6.09E-07	5.52E-07	2.52E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.07E-08	1.31E-07	2.02E-08	1.93E-08	3.06E-07	3.26E-07	1.19E-07	1.63E-07	6.07E-08	3.26E-07	1.19E-07
244	488099.4	3856689	1.17E-03	1.14E-03	1.12E-03	4.04E-07	1.22E-06	7.07E-07	6.90E-07	6.25E-07	2.85E-07	2.81E-07	0.00E+00	0.00E+00	1.30E-07	2.34E-08	1.49E-07	2.29E-08	2.18E-08	3.47E-07	3.69E-07	1.35E-07	1.84E-07	6.88E-08	3.69E-07	1.35E-07
245	488149.4	3856689	1.15E-03	1.12E-03	1.10E-03	3.97E-07	1.20E-06	6.93E-07	6.76E-07	6.13E-07	2.80E-07	2.76E-07	0.00E+00	0.00E+00	1.28E-07	2.30E-08	1.46E-07	2.25E-08	2.14E-08	3.40E-07	3.62E-07	1.33E-07	1.80E-07	6.74E-08	3.62E-07	1.33E-07
246	488199.4	3856689	1.13E-03	1.10E-03	1.08E-03	3.89E-07	1.18E-06	6.81E-07	6.64E-07	6.02E-07	2.75E-07	2.71E-07	0.00E+00	0.00E+00	1.25E-07	2.25E-08	1.43E-07	2.21E-08	2.10E-08	3.34E-07	3.55E-07	1.30E-07	1.77E-07	6.62E-08	3.55E-07	1.30E-07
247	488249.4	3856689	1.10E-03	1.08E-03	1.06E-03	3.82E-07	1.15E-06	6.68E-07	6.52E-07	5.91E-07	2.70E-07	2.66E-07	0.00E+00	0.00E+00	1.23E-07	2.21E-08	1.40E-07	2.17E-08	2.06E-08	3.28E-07	3.49E-07	1.28E-07	1.74E-07	6.50E-08	3.49E-07	1.28E-07
248	488299.4	3856689	1.09E-03	1.06E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.42E-07	5.82E-07	2.66E-07	2.62E-07	0.00E+00	0.00E+00	1.21E-07	2.18E-08	1.38E-07	2.13E-08	2.03E-08	3.23E-07	3.43E-07	1.26E-07	1.71E-07	6.40E-08	3.43E-07	1.26E-07
249	488349.4	3856689	1.07E-03	1.04E-03	1.03E-03	3.70E-07	1.12E-06	6.47E-07	6.32E-07	5.72E-07	2.61E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.14E-08	1.36E-07	2.10E-08	2.00E-08	3.17E-07	3.38E-07	1.24E-07	1.68E-07	6.30E-08	3.38E-07	1.24E-07
250	488399.4	3856689	1.05E-03	1.03E-03	1.01E-03	3.64E-07	1.10E-06	6.36E-07	6.20E-07	5.62E-07	2.57E-07	2.53E-07	0.00E+00	0.00E+00	1.17E-07	2.11E-08	1.34E-07	2.06E-08	1.96E-08	3.12E-07	3.32E-07	1.22E-07	1.65E-07	6.18E-08	3.32E-07	1.22E-07
251	488099.4	3856739	1.20E-03	1.17E-03	1.15E-03	4.15E-07	1.25E-06	7.25E-07	7.07E-07	6.41E-07	2.93E-07	2.89E-07	0.00E+00	0.00E+00	1.33E-07	2.40E-08	1.52E-07	2.35E-08	2.23E-08	3.55E-07	3.78E-07	1.39E-07	1.89E-07	7.05E-08	3.78E-07	1.39E-07
252	488149.4	3856739	1.17E-03	1.14E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	6.93E-07	6.28E-07	2.87E-07	2.83E-07	0.00E+00	0.00E+00	1.31E-07	2.35E-08	1.49E-07	2.30E-08	2.19E-08	3.48E-07	3.70E-07	1.36E-07	1.85E-07	6.91E-08	3.70E-07	1.36E-07
253	488199.4	3856739	1.15E-03	1.12E-03	1.11E-03	3.99E-07	1.20E-06	6.97E-07	6.80E-07	6.17E-07	2.81E-07	2.78E-07	0.00E+00	0.00E+00	1.28E-07	2.31E-08	1.47E-07	2.26E-08	2.15E-08	3.42E-07	3.64E-07	1.33E-07	1.82E-07	6.78E-08	3.64E-07	1.33E-07
254	488249.4	3856739	1.13E-03	1.10E-03	1.09E-03	3.91E-07	1.18E-06	6.84E-07	6.68E-07	6.05E-07	2.76E-07	2.73E-07	0.00E+00	0.00E+00	1.26E-07	2.27E-08	1.44E-07	2.22E-08	2.11E-08	3.36E-07	3.57E-07	1.31E-07	1.78E-07	6.66E-08	3.57E-07	1.31E-07
255	488299.4	3856739	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.55E-07	5.94E-07	2.71E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.22E-08	1.41E-07	2.18E-08	2.07E-08	3.29E-07	3.50E-07	1.28E-07	1.75E-07	6.53E-08	3.50E-07	1.28E-07
256	488349.4	3856739	1.09E-03	1.07E-03	1.05E-03	3.78E-07	1.14E-06	6.61E-07	6.45E-07	5.85E-07	2.67E-07	2.63E-07	0.00E+00	0.00E+00	1.22E-07	2.19E-08	1.39E-07	2.14E-08	2.04E-08	3.24E-07	3.45E-07	1.26E-07	1.72E-07	6.43E-08	3.45E-07	1.26E-07
257	488399.4	3856739	1.08E-03	1.05E-03	1.04E-03	3.73E-07	1.12E-06	6.51E-07	6.35E-07	5.76E-07	2.63E-07	2.59E-07	0.00E+00	0.00E+00	1.20E-07	2.16E-08	1.37E-07	2.11E-08	2.01E-08	3.19E-07	3.40E-07	1.25E-07	1.70E-07	6.34E-08	3.40E-07	1.25E-07
258	487999.4	3856789	1.28E-03	1.25E-03	1.23E-03	4.44E-07	1.34E-06	7.76E-07	7.57E-07	6.86E-07	3.13E-07	3.09E-07	0.00E+00	0.00E+00	1.43E-07	2.57E-08	1.63E-07	2.51E-08	2.39E-08	3.80E-07	4.05E-07	1.48E-07	2.02E-07	7.55E-08	4.05E-07	1.48E-07
259	488049.4	3856789	1.25E-03	1.22E-03	1.21E-03	4.34E-07	1.31E-06	7.59E-07	7.40E-07	6.71E-07	3.06E-07	3.02E-07	0.00E+00	0.00E+00	1.40E-07	2.51E-08	1.59E-07	2.46E-08	2.34E-08	3.72E-07	3.96E-07	1.45E-07	1.98E-07	7.38E-08	3.96E-07	1.45E-07
260	488099.4	3856789	1.23E-03	1.20E-03	1.18E-03	4.25E-07	1.28E-06	7.44E-07	7.26E-07	6.58E-07	3.00E-07	2.96E-07	0.00E+00	0.00E+00	1.37E-07	2.46E-08	1.56E-07	2.41E-08	2.29E-08	3.65E-07	3.88E-07	1.42E-07	1.94E-07	7.23E-08	3.88E-07	1.42E-07
261	488149.4	3856789	1.20E-03	1.17E-03	1.16E-03	4.17E-07	1.26E-06	7.28E-07	7.11E-07	6.44E-07	2.94E-07	2.90E-07	0.00E+00	0.00E+00	1.34E-07	2.41E-08	1.53E-07	2.36E-08	2.25E-08	3.57E-07	3.80E-07	1.39E-07	1.90E-07	7.09E-08	3.80E-07	1.39E-07
262	488199.4	3856789	1.18E-03	1.15E-03	1.14E-03	4.09E-07	1.23E-06	7.14E-07	6.97E-07	6.32E-07	2.88E-07	2.85E-07	0.00E+00	0.00E+00	1.31E-07	2.37E-08	1.50E-07	2.32E-08	2.20E-08	3.50E-07	3.73E-07	1.37E-07	1.86E-07	6.95E-08	3.73E-07	1.37E-07
263	488249.4	3856789	1.16E-03	1.13E-03	1.11E-03	4.01E-07	1.21E-06	7.01E-07	6.84E-07	6.20E-07	2.83E-07	2.79E-07	0.00E+00	0.00E+00	1.29E-07	2.32E-08	1.47E-07	2.27E-08	2.16E-08	3.44E-07	3.65E-07	1.34E-07	1.82E-07	6.82E-08	3.65E-07	1.34E-07
264	488299.4	3856789	1.14E-03	1.11E-03	1.09E-03	3.93E-07	1.19E-06	6.87E-07	6.71E-07	6.08E-07	2.77E-07	2.74E-07	0.00E+00	0.00E+00	1.26E-07	2.28E-08	1.44E-07	2.23E-08	2.12E-08	3.37E-07	3.59E-07	1.31E-07	1.79E-07	6.69E-08	3.59E-07	1.31E-07
265	488349.4	3856789	1.12E-03	1.09E-03	1.08E-03	3.87E-07	1.17E-06	6.76E-07	6.60E-07	5.98E-07	2.73E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.24E-08	1.42E-07	2.19E-08	2.09E-08	3.32E-07	3.53E-07	1.29E-07	1.76E-07	6.58E-08	3.53E-07	1.29E-07
266	488399.4	3856789	1.10E-03	1.07E-03	1.06E-03	3.81E-07	1.15E-06	6.65E-07	6.49E-07	5.88E-07	2.69E-07	2.65E-07	0.00E+00	0.00E+00	1.22E-07	2.20E-08	1.40E-07	2.16E-08	2.05E-08	3.26E-07	3.47E-07	1.27E-07	1.73E-07	6.47E-08	3.47E-07	1.27E-07
267	487949.4	3856839	1.35E-03	1.32E-03	1.30E-03	4.68E-07	1.41E-06	8.18E-07	7.98E-07	7.23E-07	3.30E-07	3.26E-07	0.00E+00	0.00E+00	1.50E-07	2.71E-08	1.72E-07	2.65E-08	2.52E-08	4.01E-07	4.27E-07	1.56E-07	2.13E-07	7.96E-08	4.27E-07	1.56E-07
268	487999.4	3856839	1.32E-03	1.29E-03	1.27E-03	4.57E-07	1.38E-06	7.98E-07	7.79E-07	7.06E-07	3.22E-07	3.18E-07	0.00E+00	0.00E+00	1.47E-07	2.64E-08	1.68E-07	2.59E-08	2.46E-08	3.92E-07	4.16E-07	1.53E-07	2.08E-07	7.77E-08	4.16E-07	1.53E-07
269	488049.4	3856839	1.29E-03	1.26E-03	1.24E-03	4.46E-07	1.35E-06	7.80E-07	7.61E-07	6.90E-07	3.15E-07	3.11E-07	0.00E+00	0.00E+00	1.43E-07	2.58E-08	1.64E-07	2.53E-08	2.41E-08	3.83E-07	4.07E-07	1.49E-07	2.03E-07	7.59E-08	4.07E-07	1.49E-07
270	488099.4	3856839	1.26E-03	1.23E-03	1.21E-03	4.37E-07	1.32E-06	7.63E-07	7.45E-07	6.75E-07	3.08E-07	3.04E-07	0.00E+00	0.00E+00	1.40E-07	2.53E-08	1.60E-07	2.47E-08	2.35E-08	3.74E-07	3.98E-07	1.46E-07	1.99E-07	7.43E-08	3.98E-07	1.46E-07
271	488149.4	3856839	1.24E-03	1.21E-03	1.19E-03	4.28E-07	1.29E-06	7.48E-07	7.29E-07	6.61E-07	3.02E-07	2.98E-07	0.00E+00	0.00E+00	1.38E-07	2.48E-08	1.57E-07	2.42E-08	2.31E-08	3.67E-07	3.90E-07	1.43E-07	1.95E-07	7.27E-08	3.90E-07	1.43E-07
272	488199.4	3856839	1.21E-03	1.18E-03	1.17E-03	4.19E-07	1.27E-06	7.33E-07	7.15E-07	6.48E-07	2.96E-07	2.92E-07	0.00E+00	0.00E+00	1.35E-07	2.43E-08	1.54E-07	2.37E-08	2.26E-08	3.59E-07	3.82E-07	1.40E-07	1.91E-07	7.13E-08	3.82E-07	1.40E-07
273	487949.4	3856889	1.39E-03	1.36E-03	1.34E-03	4.82E-07	1.46E-06	8.43E-07	8.23E-07	7.46E-07	3.40E-07	3.36E-07	0.00E+00	0.00E+00	1.55E-07	2.79E-08	1.77E-07	2.73E-08	2.60E-08	4.14E-07	4.40E-07	1.61E-07	2.20E-07	8.20E-08	4.40E-07	1.61E-07
274	487999.4	3856889	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.23E-07	8.03E-07	7.28E-07	3.32E-07	3.28E-07	0.00E+00	0.00E+00	1.51E-07	2.73E-08	1.73E-07	2.67E-08	2.54E-08	4.04E-07	4.29E-07	1.57E-07	2.14E-07	8.01E-08	4.29E-07	1.57E-07
275	488049.4	3856889	1.33E-03	1.29E-03	1.28E-03	4.59E-07	1.39E-06	8.03E-07	7.83E-07	7.10E-07	3.24E-07	3.20E-07	0.00E+00	0.00E+00	1.48E-07	2.66E-08	1.69E-07	2.60E-08	2.48E-08	3.94E-07	4.19E-07	1.54E-07	2.09E-07	7.81E-08	4.19E-07	1.54E-07
276	488099.4	3856889	1.30E-03	1.27E-03	1.25E-03	4.49E-07	1.36E-06	7.85E-07	7.66E-07	6.94E-07	3.17E-07	3.13E-07	0.00E+00	0.00E+00	1.44E-07	2.60E-08	1.65E-07	2.54E-08	2.42E-08	3.85E-07	4.09E-07	1.50E-07	2.04E-07	7.64E-08	4.09E-07	1.50E-07
277	488635.9	3857895	2.08E-03	2.03E-03	2.00E-03	7.19E-07	2.17E-06	1.26E-06	1.23E-06	1.11E-06	5.07E-07	5.00E-07	0.00E+00	0.00E+00	2.31E-07	4.16E-08	2.64E-07	4.07E-08	3.87E-08	6.16E-07	6.55E-07	2.40E-07	3.27E-07	1.22E-07	6.55E-07	2.40E-07
278	489137.6	3857804	1.43E-03	1.39E-03	1.37E-03	4.94E-07	1.49E-06	8.63E-07	8.42E-07	7.63E-07	3.48E-07	3.44E-07	0.00E+00	0.00E+00	1.59E-07	2.86E-08	1.81E-07	2.80E-08	2.66E-08	4.23E-07	4.50E-07	1.65E-07	2.25E-07	8.39E-08	4.50E-07	1.65E-07
279	488617.3	3857859	2.03E-03	1.98E-03	1.95E-03	7.02E-07	2.12E-06	1.23E-06	1.20E-06	1.09E-06	4.95E-07	4.89E-07	0.00E+00	0.00E+00	2.26E-07	4.07E-08	2.58E-07	3.98E-08	3.79E-08	6.02E-07	6.40E-07	2.35E-07	3.20E-07	1.19E-07	6.40E-07	2.35E-07
280	488667.3	3857859	1.95E-03	1.91E-03	1.88E-03	6.76E-07	2.04E-06	1.18E-06	1.15E-06	1.05E-06	4.77E-07	4.71E-07	0.00E+00	0.00E+00	2.17E-07	3.91E-08	2.48E-07	3.83E-08	3.64E-08	5.80E-07	6.16E-07	2.26E-07	3.08E-07	1.15E-07	6.16E-07	2.26E-07
281	488717.3	3857859	1.88E-03	1.84E-03	1.81E-03	6.52E-07	1.97E-06	1.14E-06	1.11E-06	1.01E-06	4.60E-07	4.54E-07	0.00E+00	0.00E+00	2.10E-07	3.78E-08	2.40E-07	3.70E-08	3.52E-08	5.59E-07	5.95E-07	2.18E-07	2.97E-07	1.11E-07	5.95E-07	2.18E-07
282	488767.3	3857859	1.82E-03	1.78E-03	1.76E-03	6.31E-07	1.91E-06	1.10E-06	1.08E-06	9.76E-07	4.46E-07	4.40E-07	0.00E+00	0.00E+00	2.03E-07	3.66E-08	2.32E-07	3.58E-08	3.40E-08	5.41E-07	5.76E-07	2.11E-07	2.87E-07	1.07E-07	5.76E-07	2.11E-07
283	488617.3	3857909	2.14E-03	2.09E-03	2.06E-03	7.40E-07	2.24E-06	1.29E-06	1.26E-06	1.14E-06	5.22E-07	5.15E-07	0.00E+00	0.00E+00	2.38E-07	4.29E-08	2.72E-07	4.19E-08	3.99E-08	6.35E-07	6.75E-07	2.48E-07	3.37E-07	1.26E-07	6.75E-07	2.48E-07
284	488667.3	3857909	2.06E-03	2.01E-03	1.98E-03	7.13E-07	2.15E-06	1.25E-06	1.22E-06	1.10E-06	5.03E-07	4.97E-07	0.00E+00	0.00E+00	2.29E-07	4.13E-08	2.62E-07	4.04E-08	3.85E-08	6.12E-07	6.50E-07	2.39E-07	3.25E-07	1.21E-07	6.50E-07	2.39E-07
285	488717.3	3857909	1.98E-03	1.93E-03	1.91E-03	6.85E-07	2.07E-06	1.20E-06	1.17E-06	1.06E-06	4.83E-07	4.77E-07	0.00E+00	0.00E+00	2.20E-07	3.97E-08	2.52E-07	3.88E-08	3.69E-08	5.87E-07	6.24E-07	2.29E-07	3.12E-07	1.16E-07	6.24E-07	2.29E-07
286	488767.3	3857909	1.91E-03	1.87E-03	1.84E-03	6.62E-07	2.00E-06	1.16E-06	1.13E-06	1.02E-06	4.67E-07	4.61E-07	0.00E+00	0.00E+00	2.13E-07	3.83E-08	2.43E-07	3.75E-08	3.57E-08	5.67E-07	6.03E-07	2.21E-07	3.01E-07	1.13E-07	6.03E-07	2.21E-07
287	488417.3	3857959	2.77E-03	2.70E-03	2.67E-03	9.58E-07	2.89E-06	1.68E-06	1.63E-06	1.48E-06	6.76E-07	6.67E-07	0.00E+00	0.00E+00	3.08E-07	5.55E-08	3.52E-07	5.43E-08	5.17E-08	8.22E-07	8.74E-07	3.20E-07	4.36E-07	1.63E-07	8.74E-07	3.20E-07
288	488467.3	3857959	2.62E-03	2.55E-03	2.52E-03	9.06E-07	2.74E-06	1.58E-06	1.55E-06	1.40E-06	6.39E-07	6.31E-07	0.00E+00	0.00E+00	2.91E-07	5.25E-08	3.33E-07	5.13E-08	4.88E-08	7.77E-07	8.26E-07	3.03E-07	4.12E-07	1.54E-07	8.26E-07	3.03E-07
289	488517.3	3857959	2.49E-03	2.43E-03	2.40E-03	8.62E-07	2.60E-06	1.51E-06	1.47E-06	1.33E-06	6.08E-07	6.00E-07	0.00E+00	0.00E+00	2.77E-07	4.99E-08	3.17E-07	4.88E-08	4.64E-08	7.39E-07	7.86E-07	2.88E-07	3.92E-07	1.47E-07	7.86E-07	2.88E-07
290	488567.3	3857959	2.37E-03	2.32E-03	2.28E-03	8.21E-07	2.48E-06	1.44E-06	1.40E-06	1.27E-06	5.80E-07	5.72E-07	0.00E+00	0.00E+00	2.64E-07	4.76E-08	3.02E-07	4.65E-08	4.43E-08	7.04E-07	7.49E-07	2.75E-07	3.74E-07	1.40E-07	7.49E-07	2.75E-07
291	488617.3	3857959	2.27E-03	2.21E-03	2.18E-03	7.85E-07	2.37E-06	1.37E-06	1.34E-06	1.21E-06	5.54E-07	5.46E-07	0.00E+00	0.00E+00	2.52E-07	4.54E-08	2.88E-07	4.45E-08	4.23E-08	6.73E-07	7.15E-07	2.62E-07	3.57E-07	1.33E-07	7.15E-07	2.62E-07
292	488667.3	3857959	2.17E-03	2.12E-03	2.09E-03	7.52E-07	2.27E-06	1.31E-06	1.28E-06	1.16E-06	5.31E-07	5.23E-07	0.00E+00	0.00E+00	2.42E-07	4.35E-08	2.76E-07	4.26E-08	4.05E-08	6.45E-07	6.86E-07	2.51E-07	3.42E-07	1.28E-07	6.86E-07	2.51E-07
293	488717.3	3857959	2.09E-03	2.04E-03	2.01E-03	7.23E-07	2.18E-06	1.26E-06	1.23E-06	1.12E-06	5.10E-07	5.03E-07	0.00E+00	0.00E+00	2.33E-07	4.19E-08	2.66E-07	4.10E-08	3.90E-08	6.20E-07	6.59E-07	2.42E-07	3.29E-07	1.23E-07	6.59E-07	2.42E-07
294	488767.3	3857959	2.01E-03	1.96E-03	1.94E-03	6.96E-07	2.10E-06	1.22E-06	1.19E-06	1.08E-06	4.91E-07	4.85E-07	0.00E+00	0.00E+00	2.24E-07	4.03E-08	2.56E-07	3.94E-08	3.75E-08	5.97E-07	6.35E-07	2.33E-07	3.17E-07	1.18E-07	6.35E-07	2.33E-07
295	488417.3	3858009	3.00E-03	2.92E-03	2.88E-03	1.04E-06	3.13E-06	1.81E-06	1.77E-06	1.60E-06	7.32E-07	7.22E-07	0.00E+00	0.00E+00	3.33E-07	6.00E-08	3.81E-07	5.88E-08	5.59E-08	8.89E-07	9.46E-07	3.47E-07	4.72E-07	1.76E-07	9.46E-07	3.47E-07
296	488467.3	3858009	2.82E-03	2.75E-03	2.72E-03	9.77E-07	2.95E-06	1.71E-06	1.67E-06	1.51E-06	6.89E-07	6.80E-07	0.00E+00	0.00E+00	3.14E-07	5.65E-08	3.59E-07	5.53E-08	5.26E-08	8.37E-07	8.90E-07	3.27E-07	4.44E-07	1.66E-07	8.90E-07	3.27E-07
297	488517.3	3858009	2.67E-03	2.60E-03	2.57E-03	9.24E-07	2.79E-06	1.61E-06	1.58E-06	1.43E-06	6.52E-07	6.43E-07	0.00E+00	0.00E+00	2.97E-07	5.35E-08	3.39E-07	5.23E-08	4.98E-08	7.92E-07	8.42E-07	3.09E-07	4.20E-07	1.57E-07	8.42E-07	3.09E-07
298	488567.3	3858009	2.54E-03	2.47E-03	2.44E-03	8.78E-07	2.65E-06	1.53E-06	1.50E-06	1.36E-06	6.19E-07	6.11E-07	0.00E+00	0.00E+00	2.82E-07	5.08E-08	3.23E-07	4.97E-08	4.73E-08	7.53E-07	8.00E-07	2.94E-07	4.00E-07	1.49E-07	8.00E-07	2.94E-07
299	488617.3	3858009	2.41E-03	2.35E-03	2.32E-03	8.35E-07	2.52E-06	1.46E-06	1.42E-06	1.29E-06	5.89E-07	5.81E-07	0.00E+00	0.00E+00	2.69E-07	4.83E-08	3.07E-07	4.73E-08	4.50E-08	7.16E-07	7.61E-07	2.79E-07	3.80E-07	1.42E-07	7.61E-07	2.79E-07
300	488667.3	3858009	2.30E-03	2.25E-03	2.22E-03	7.97E-07	2.41E-06	1.39E-06	1.36E-06	1.23E-06	5.62E-07	5.55E-07	0.00E+00	0.00E+00	2.56E-07	4.61E-08	2.93E-07	4.52E-08	4.30E-08	6.83E-07	7.27E-07	2.67E-07	3.63E-07	1.36E-07	7.27E-07	2.67E-07
301	488717.3	3858009	2.21E-03	2.15E-03	2.13E-03	7.64E-07	2.31E-06	1.34E-06	1.30E-06	1.18E-06	5.39E-07	5.32E-07	0.00E+00	0.00E+00	2.46E-07	4.42E-08	2.81E-07	4.33E-08	4.12E-08	6.55E-07	6.97E-07	2.56E-07	3.48E-07	1.30E-07	6.97E-07	2.56E-07

302	488767.3	3858009	2.12E-03	2.07E-03	2.04E-03	7.34E-07	2.22E-06	1.28E-06	1.25E-06	1.14E-06	5.18E-07	5.11E-07	0.00E+00	0.00E+00	2.36E-07	4.25E-08	2.70E-07	4.16E-08	3.96E-08	6.30E-07	6.70E-07	2.46E-07	3.34E-07	1.25E-07	6.70E-07	2.46E-07
303	488417.3	3858059	3.27E-03	3.19E-03	3.15E-03	1.13E-06	3.42E-06	1.98E-06	1.93E-06	1.75E-06	8.00E-07	7.89E-07	0.00E+00	0.00E+00	3.64E-07	6.56E-08	4.16E-07	6.42E-08	6.11E-08	9.72E-07	1.03E-06	3.79E-07	5.16E-07	1.93E-07	1.03E-06	3.79E-07
304	488467.3	3858059	3.06E-03	2.99E-03	2.95E-03	1.06E-06	3.20E-06	1.85E-06	1.81E-06	1.64E-06	7.48E-07	7.38E-07	0.00E+00	0.00E+00	3.41E-07	6.14E-08	3.89E-07	6.01E-08	5.71E-08	9.09E-07	9.67E-07	3.55E-07	4.82E-07	1.80E-07	9.67E-07	3.55E-07
305	488517.3	3858059	2.88E-03	2.81E-03	2.77E-03	9.97E-07	3.01E-06	1.74E-06	1.70E-06	1.54E-06	7.03E-07	6.94E-07	0.00E+00	0.00E+00	3.21E-07	5.77E-08	3.66E-07	5.65E-08	5.37E-08	8.55E-07	9.09E-07	3.33E-07	4.54E-07	1.70E-07	9.09E-07	3.33E-07
306	488567.3	3858059	2.72E-03	2.66E-03	2.62E-03	9.43E-07	2.85E-06	1.65E-06	1.61E-06	1.46E-06	6.65E-07	6.57E-07	0.00E+00	0.00E+00	3.03E-07	5.46E-08	3.46E-07	5.34E-08	5.08E-08	8.09E-07	8.60E-07	3.15E-07	4.29E-07	1.60E-07	8.60E-07	3.15E-07
307	488617.3	3858059	2.59E-03	2.52E-03	2.49E-03	8.95E-07	2.70E-06	1.56E-06	1.53E-06	1.38E-06	6.32E-07	6.23E-07	0.00E+00	0.00E+00	2.88E-07	5.18E-08	3.29E-07	5.07E-08	4.83E-08	7.67E-07	8.16E-07	2.99E-07	4.07E-07	1.52E-07	8.16E-07	2.99E-07
308	488667.3	3858059	2.46E-03	2.40E-03	2.37E-03	8.51E-07	2.57E-06	1.49E-06	1.45E-06	1.32E-06	6.00E-07	5.92E-07	0.00E+00	0.00E+00	2.74E-07	4.93E-08	3.13E-07	4.82E-08	4.59E-08	7.30E-07	7.76E-07	2.85E-07	3.87E-07	1.45E-07	7.76E-07	2.85E-07
309	488417.3	3858109	3.59E-03	3.50E-03	3.45E-03	1.24E-06	3.75E-06	2.17E-06	2.12E-06	1.92E-06	8.76E-07	8.64E-07	0.00E+00	0.00E+00	3.99E-07	7.19E-08	4.56E-07	7.03E-08	6.69E-08	1.06E-06	1.13E-06	4.15E-07	5.65E-07	2.11E-07	1.13E-06	4.15E-07
310	488467.3	3858109	3.34E-03	3.26E-03	3.21E-03	1.16E-06	3.49E-06	2.02E-06	1.97E-06	1.79E-06	8.15E-07	8.04E-07	0.00E+00	0.00E+00	3.72E-07	6.69E-08	4.24E-07	6.55E-08	6.23E-08	9.91E-07	1.05E-06	3.86E-07	5.26E-07	1.96E-07	1.05E-06	3.86E-07
311	488517.3	3858109	3.13E-03	3.05E-03	3.01E-03	1.08E-06	3.27E-06	1.89E-06	1.85E-06	1.67E-06	7.64E-07	7.54E-07	0.00E+00	0.00E+00	3.48E-07	6.27E-08	3.98E-07	6.14E-08	5.84E-08	9.29E-07	9.88E-07	3.62E-07	4.93E-07	1.84E-07	9.88E-07	3.62E-07
312	488567.3	3858109	2.94E-03	2.87E-03	2.83E-03	1.02E-06	3.07E-06	1.78E-06	1.74E-06	1.57E-06	7.18E-07	7.09E-07	0.00E+00	0.00E+00	3.27E-07	5.90E-08	3.74E-07	5.77E-08	5.49E-08	8.73E-07	9.29E-07	3.41E-07	4.63E-07	1.73E-07	9.29E-07	3.41E-07
313	488617.3	3858109	2.78E-03	2.71E-03	2.68E-03	9.62E-07	2.90E-06	1.68E-06	1.64E-06	1.49E-06	6.79E-07	6.70E-07	0.00E+00	0.00E+00	3.09E-07	5.57E-08	3.53E-07	5.45E-08	5.19E-08	8.25E-07	8.77E-07	3.22E-07	4.38E-07	1.64E-07	8.77E-07	3.22E-07
314	488667.3	3858109	2.63E-03	2.57E-03	2.53E-03	9.11E-07	2.75E-06	1.59E-06	1.55E-06	1.41E-06	6.42E-07	6.34E-07	0.00E+00	0.00E+00	2.93E-07	5.27E-08	3.34E-07	5.16E-08	4.91E-08	7.81E-07	8.30E-07	3.04E-07	4.14E-07	1.55E-07	8.30E-07	3.04E-07
315	488769.9	3858449	4.17E-03	4.07E-03	4.02E-03	1.44E-06	4.36E-06	2.52E-06	2.46E-06	2.23E-06	1.02E-06	1.01E-06	0.00E+00	0.00E+00	4.64E-07	8.36E-08	5.31E-07	8.18E-08	7.78E-08	1.24E-06	1.32E-06	4.83E-07	6.57E-07	2.46E-07	1.32E-06	4.83E-07
316	488819.9	3858449	3.84E-03	3.74E-03	3.69E-03	1.33E-06	4.01E-06	2.32E-06	2.27E-06	2.05E-06	9.37E-07	9.25E-07	0.00E+00	0.00E+00	4.27E-07	7.69E-08	4.88E-07	7.52E-08	7.16E-08	1.14E-06	1.21E-06	4.44E-07	6.04E-07	2.26E-07	1.21E-06	4.44E-07
317	488819.9	3858499	4.29E-03	4.19E-03	4.13E-03	1.49E-06	4.48E-06	2.60E-06	2.53E-06	2.30E-06	1.05E-06	1.03E-06	0.00E+00	0.00E+00	4.78E-07	8.60E-08	5.46E-07	8.41E-08	8.01E-08	1.27E-06	1.35E-06	4.97E-07	6.76E-07	2.53E-07	1.35E-06	4.97E-07
318	488869.9	3858499	3.94E-03	3.84E-03	3.79E-03	1.36E-06	4.12E-06	2.38E-06	2.33E-06	2.11E-06	9.62E-07	9.49E-07	0.00E+00	0.00E+00	4.39E-07	7.90E-08	5.01E-07	7.73E-08	7.35E-08	1.17E-06	1.24E-06	4.56E-07	6.21E-07	2.32E-07	1.24E-06	4.56E-07
319	488869.9	3858549	4.42E-03	4.31E-03	4.26E-03	1.53E-06	4.62E-06	2.68E-06	2.61E-06	2.37E-06	1.08E-06	1.07E-06	0.00E+00	0.00E+00	4.92E-07	8.86E-08	5.62E-07	8.67E-08	8.25E-08	1.31E-06	1.40E-06	5.12E-07	6.97E-07	2.60E-07	1.40E-06	5.12E-07
320	489438.2	3859571	1.90E-03	1.85E-03	1.82E-03	6.56E-07	1.98E-06	1.15E-06	1.12E-06	1.01E-06	4.63E-07	4.57E-07	0.00E+00	0.00E+00	2.11E-07	3.80E-08	2.41E-07	3.72E-08	3.54E-08	5.62E-07	5.98E-07	2.19E-07	2.99E-07	1.12E-07	5.98E-07	2.19E-07
321	489488.2	3859571	2.08E-03	2.03E-03	2.00E-03	7.19E-07	2.17E-06	1.26E-06	1.23E-06	1.11E-06	5.07E-07	5.00E-07	0.00E+00	0.00E+00	2.31E-07	4.16E-08	2.64E-07	4.07E-08	3.87E-08	6.16E-07	6.55E-07	2.40E-07	3.27E-07	1.22E-07	6.55E-07	2.40E-07
322	489538.2	3859571	2.30E-03	2.24E-03	2.21E-03	7.95E-07	2.40E-06	1.39E-06	1.36E-06	1.23E-06	5.61E-07	5.54E-07	0.00E+00	0.00E+00	2.56E-07	4.60E-08	2.92E-07	4.51E-08	4.29E-08	6.82E-07	7.25E-07	2.66E-07	3.62E-07	1.35E-07	7.25E-07	2.66E-07
323	489588.2	3859571	2.57E-03	2.51E-03	2.47E-03	8.89E-07	2.68E-06	1.55E-06	1.52E-06	1.37E-06	6.27E-07	6.19E-07	0.00E+00	0.00E+00	2.86E-07	5.15E-08	3.27E-07	5.04E-08	4.79E-08	7.62E-07	8.11E-07	2.97E-07	4.05E-07	1.51E-07	8.11E-07	2.97E-07
324	489438.2	3859621	1.64E-03	1.60E-03	1.58E-03	5.67E-07	1.71E-06	9.91E-07	9.67E-07	8.76E-07	4.00E-07	3.95E-07	0.00E+00	0.00E+00	1.82E-07	3.28E-08	2.08E-07	3.21E-08	3.06E-08	4.86E-07	5.17E-07	1.90E-07	2.58E-07	9.64E-08	5.17E-07	1.90E-07
325	489488.2	3859621	1.77E-03	1.72E-03	1.70E-03	6.12E-07	1.85E-06	1.07E-06	1.04E-06	9.46E-07	4.32E-07	4.26E-07	0.00E+00	0.00E+00	1.97E-07	3.54E-08	2.25E-07	3.47E-08	3.30E-08	5.24E-07	5.58E-07	2.05E-07	2.78E-07	1.04E-07	5.58E-07	2.05E-07
326	489538.2	3859621	1.92E-03	1.87E-03	1.85E-03	6.65E-07	2.01E-06	1.16E-06	1.13E-06	1.03E-06	4.69E-07	4.63E-07	0.00E+00	0.00E+00	2.14E-07	3.85E-08	2.44E-07	3.77E-08	3.59E-08	5.70E-07	6.06E-07	2.22E-07	3.03E-07	1.13E-07	6.06E-07	2.22E-07
327	489588.2	3859621	2.11E-03	2.06E-03	2.03E-03	7.31E-07	2.21E-06	1.28E-06	1.25E-06	1.13E-06	5.16E-07	5.09E-07	0.00E+00	0.00E+00	2.35E-07	4.23E-08	2.68E-07	4.14E-08	3.94E-08	6.27E-07	6.66E-07	2.44E-07	3.33E-07	1.24E-07	6.66E-07	2.44E-07
328	489238.2	3859671	1.16E-03	1.13E-03	1.11E-03	4.01E-07	1.21E-06	7.00E-07	6.83E-07	6.20E-07	2.83E-07	2.79E-07	0.00E+00	0.00E+00	1.29E-07	2.32E-08	1.47E-07	2.27E-08	2.16E-08	3.44E-07	3.65E-07	1.34E-07	1.82E-07	6.81E-08	3.65E-07	1.34E-07
329	489288.2	3859671	1.22E-03	1.19E-03	1.17E-03	4.21E-07	1.27E-06	7.36E-07	7.18E-07	6.51E-07	2.97E-07	2.93E-07	0.00E+00	0.00E+00	1.35E-07	2.44E-08	1.55E-07	2.39E-08	2.27E-08	3.61E-07	3.84E-07	1.41E-07	1.92E-07	7.16E-08	3.84E-07	1.41E-07
330	489338.2	3859671	1.28E-03	1.25E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.58E-07	6.87E-07	3.14E-07	3.09E-07	0.00E+00	0.00E+00	1.43E-07	2.57E-08	1.63E-07	2.52E-08	2.40E-08	3.81E-07	4.05E-07	1.49E-07	2.02E-07	7.56E-08	4.05E-07	1.49E-07
331	489388.2	3859671	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.24E-07	8.04E-07	7.29E-07	3.33E-07	3.28E-07	0.00E+00	0.00E+00	1.52E-07	2.73E-08	1.73E-07	2.67E-08	2.54E-08	4.04E-07	4.30E-07	1.58E-07	2.15E-07	8.02E-08	4.30E-07	1.58E-07
332	489438.2	3859671	1.45E-03	1.41E-03	1.39E-03	5.01E-07	1.51E-06	8.75E-07	8.54E-07	7.74E-07	3.53E-07	3.49E-07	0.00E+00	0.00E+00	1.61E-07	2.90E-08	1.84E-07	2.84E-08	2.70E-08	4.29E-07	4.56E-07	1.67E-07	2.28E-07	8.51E-08	4.56E-07	1.67E-07
333	489488.2	3859671	1.55E-03	1.51E-03	1.49E-03	5.36E-07	1.62E-06	9.37E-07	9.14E-07	8.28E-07	3.78E-07	3.73E-07	0.00E+00	0.00E+00	1.72E-07	3.10E-08	1.97E-07	3.04E-08	2.89E-08	4.59E-07	4.89E-07	1.79E-07	2.44E-07	9.11E-08	4.89E-07	1.79E-07
334	489538.2	3859671	1.66E-03	1.62E-03	1.60E-03	5.75E-07	1.74E-06	1.01E-06	9.82E-07	8.90E-07	4.06E-07	4.01E-07	0.00E+00	0.00E+00	1.85E-07	3.33E-08	2.11E-07	3.26E-08	3.10E-08	4.93E-07	5.25E-07	1.92E-07	2.62E-07	9.79E-08	5.25E-07	1.92E-07
335	489588.2	3859671	1.80E-03	1.75E-03	1.73E-03	6.22E-07	1.88E-06	1.09E-06	1.06E-06	9.62E-07	4.39E-07	4.33E-07	0.00E+00	0.00E+00	2.00E-07	3.60E-08	2.29E-07	3.52E-08	3.35E-08	5.33E-07	5.67E-07	2.08E-07	2.83E-07	1.06E-07	5.67E-07	2.08E-07
336	489238.2	3859721	1.07E-03	1.04E-03	1.03E-03	3.69E-07	1.11E-06	6.45E-07	6.29E-07	5.70E-07	2.60E-07	2.57E-07	0.00E+00	0.00E+00	1.19E-07	2.14E-08	1.36E-07	2.09E-08	1.99E-08	3.16E-07	3.36E-07	1.23E-07	1.68E-07	6.27E-08	3.36E-07	1.23E-07
337	489288.2	3859721	1.12E-03	1.09E-03	1.08E-03	3.87E-07	1.17E-06	6.76E-07	6.60E-07	5.98E-07	2.73E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.24E-08	1.42E-07	2.19E-08	2.08E-08	3.32E-07	3.53E-07	1.29E-07	1.76E-07	6.58E-08	3.53E-07	1.29E-07
338	489338.2	3859721	1.17E-03	1.14E-03	1.13E-03	4.06E-07	1.23E-06	7.09E-07	6.92E-07	6.27E-07	2.86E-07	2.82E-07	0.00E+00	0.00E+00	1.30E-07	2.35E-08	1.49E-07	2.30E-08	2.19E-08	3.48E-07	3.70E-07	1.36E-07	1.85E-07	6.90E-08	3.70E-07	1.36E-07
339	489388.2	3859721	1.23E-03	1.20E-03	1.19E-03	4.27E-07	1.29E-06	7.46E-07	7.28E-07	6.60E-07	3.01E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.47E-08	1.57E-07	2.42E-08	2.30E-08	3.66E-07	3.89E-07	1.43E-07	1.94E-07	7.26E-08	3.89E-07	1.43E-07
340	489438.2	3859721	1.30E-03	1.27E-03	1.25E-03	4.50E-07	1.36E-06	7.87E-07	7.68E-07	6.96E-07	3.18E-07	3.13E-07	0.00E+00	0.00E+00	1.45E-07	2.61E-08	1.65E-07	2.55E-08	2.43E-08	3.86E-07	4.10E-07	1.51E-07	2.05E-07	7.65E-08	4.10E-07	1.51E-07
341	489488.2	3859721	1.38E-03	1.35E-03	1.33E-03	4.78E-07	1.44E-06	8.35E-07	8.14E-07	7.38E-07	3.37E-07	3.32E-07	0.00E+00	0.00E+00	1.54E-07	2.76E-08	1.75E-07	2.71E-08	2.57E-08	4.09E-07	4.35E-07	1.60E-07	2.17E-07	8.12E-08	4.35E-07	1.60E-07
342	489538.2	3859721	1.47E-03	1.43E-03	1.41E-03	5.08E-07	1.53E-06	8.88E-07	8.66E-07	7.85E-07	3.58E-07	3.54E-07	0.00E+00	0.00E+00	1.63E-07	2.94E-08	1.87E-07	2.88E-08	2.74E-08	4.36E-07	4.63E-07	1.70E-07	2.31E-07	8.64E-08	4.63E-07	1.70E-07
343	489588.2	3859721	1.57E-03	1.53E-03	1.51E-03	5.43E-07	1.64E-06	9.49E-07	9.26E-07	8.39E-07	3.83E-07	3.78E-07	0.00E+00	0.00E+00	1.75E-07	3.14E-08	1.99E-07	3.07E-08	2.93E-08	4.65E-07	4.95E-07	1.81E-07	2.47E-07	9.23E-08	4.95E-07	1.81E-07
344	489238.2	3859771	9.89E-04	9.66E-04	9.53E-04	3.43E-07	1.03E-06	5.99E-07	5.84E-07	5.30E-07	2.42E-07	2.38E-07	0.00E+00	0.00E+00	1.10E-07	1.98E-08	1.26E-07	1.94E-08	1.85E-08	2.94E-07	3.12E-07	1.15E-07	1.56E-07	5.82E-08	3.12E-07	1.15E-07
345	489288.2	3859771	1.03E-03	1.01E-03	9.95E-04	3.58E-07	1.08E-06	6.25E-07	6.10E-07	5.53E-07	2.52E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.07E-08	1.31E-07	2.03E-08	1.93E-08	3.07E-07	3.26E-07	1.20E-07	1.63E-07	6.08E-08	3.26E-07	1.20E-07
346	489338.2	3859771	1.08E-03	1.05E-03	1.04E-03	3.73E-07	1.13E-06	6.52E-07	6.36E-07	5.77E-07	2.63E-07	2.60E-07	0.00E+00	0.00E+00	1.20E-07	2.16E-08	1.37E-07	2.11E-08	2.01E-08	3.20E-07	3.40E-07	1.25E-07	1.70E-07	6.35E-08	3.40E-07	1.25E-07
347	489388.2	3859771	1.13E-03	1.10E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.66E-07	6.04E-07	2.75E-07	2.72E-07	0.00E+00	0.00E+00	1.26E-07	2.26E-08	1.43E-07	2.21E-08	2.10E-08	3.35E-07	3.56E-07	1.31E-07	1.78E-07	6.64E-08	3.56E-07	1.31E-07
348	489438.2	3859771	1.18E-03	1.15E-03	1.14E-03	4.09E-07	1.24E-06	7.15E-07	6.98E-07	6.33E-07	2.89E-07	2.85E-07	0.00E+00	0.00E+00	1.32E-07	2.37E-08	1.50E-07	2.32E-08	2.21E-08	3.51E-07	3.73E-07	1.37E-07	1.86E-07	6.96E-08	3.73E-07	1.37E-07
349	489488.2	3859771	1.25E-03	1.22E-03	1.20E-03	4.31E-07	1.30E-06	7.54E-07	7.36E-07	6.67E-07	3.04E-07	3.00E-07	0.00E+00	0.00E+00	1.39E-07	2.50E-08	1.58E-07	2.44E-08	2.33E-08	3.70E-07	3.93E-07	1.44E-07	1.96E-07	7.34E-08	3.93E-07	1.44E-07
350	489538.2	3859771	1.32E-03	1.28E-03	1.27E-03	4.55E-07	1.38E-06	7.96E-07	7.77E-07	7.04E-07	3.21E-07	3.17E-07	0.00E+00	0.00E+00	1.46E-07	2.64E-08	1.67E-07	2.58E-08	2.45E-08	3.90E-07	4.15E-07	1.52E-07	2.07E-07	7.74E-08	4.15E-07	1.52E-07
351	489588.2	3859771	1.39E-03	1.36E-03	1.34E-03	4.82E-07	1.45E-06	8.42E-07	8.22E-07	7.45E-07	3.40E-07	3.35E-07	0.00E+00	0.00E+00	1.55E-07	2.79E-08	1.77E-07	2.73E-08	2.60E-08	4.13E-07	4.39E-07	1.61E-07	2.19E-07	8.19E-08	4.39E-07	1.61E-07
352	489238.2	3859821	9.24E-04	9.02E-04	8.90E-04	3.20E-07	9.66E-07	5.59E-07	5.46E-07	4.95E-07	2.26E-07	2.23E-07	0.00E+00	0.00E+00	1.03E-07	1.85E-08	1.17E-07	1.81E-08	1.72E-08	2.74E-07	2.92E-07	1.07E-07	1.46E-07	5.44E-08	2.92E-07	1.07E-07
353	489288.2	3859821	9.61E-04	9.38E-04	9.25E-04	3.33E-07	1.00E-06	5.81E-07	5.67E-07	5.14E-07	2.35E-07	2.32E-07	0.00E+00	0.00E+00	1.07E-07	1.93E-08	1.22E-07	1.88E-08	1.79E-08	2.85E-07	3.03E-07	1.11E-07	1.51E-07	5.66E-08	3.03E-07	1.11E-07
354	489338.2	3859821	9.99E-04	9.74E-04	9.62E-04	3.46E-07	1.04E-06	6.04E-07	5.90E-07	5.34E-07	2.44E-07	2.41E-07	0.00E+00	0.00E+00	1.11E-07	2.00E-08	1.27E-07	1.96E-08	1.86E-08	2.96E-07	3.15E-07	1.16E-07	1.57E-07	5.88E-08	3.15E-07	1.16E-07
355	489388.2	3859821	1.04E-03	1.02E-03	1.00E-03	3.60E-07	1.09E-06	6.30E-07	6.15E-07	5.57E-07	2.54E-07	2.51E-07	0.00E+00	0.00E+00	1.16E-07	2.09E-08	1.32E-07	2.04E-08	1.94E-08	3.09E-07	3.29E-07	1.20E-07	1.64E-07	6.13E-08	3.29E-07	1.20E-07
356	489438.2	3859821	1.09E-03	1.06E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.42E-07	5.82E-07	2.66E-07	2.62E-07	0.00E+00	0.00E+00	1.21E-07	2.18E-08	1.38E-07	2.13E-08	2.03E-08	3.23E-07	3.43E-07	1.26E-07	1.71E-07	6.40E-08	3.43E-07	1.26E-07
357	489488.2	3859821	1.14E-03	1.11E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	6.72E-07	6.10E-07	2.78E-07	2.74E-07	0.00E+00	0.00E+00	1.27E-07	2.28E-08	1.45E-07	2.23E-08	2.13E-08	3.38E-07	3.59E-07	1.32E-07	1.79E-07	6.70E-08	3.59E-07	1.32E-07
358	489538.2	3859821	1.19E-03	1.16E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.04E-07	6.39E-07	2.91E-07	2.88E-07	0.00E+00	0.00E+00	1.33E-07	2.39E-08	1.52E-07	2.34E-08	2.23E-08	3.54E-07	3.77E-07	1.38E-07	1.88E-07	7.02E-08	3.77E-07	1.38E-07
359	489588.2	3859821	1.25E-03	1.22E-03	1.21E-03	4.34E-07	1.31E-06	7.58E-07	7.40E-07	6.71E-07	3.06E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.51E-08	1.59E-07	2.46E-08	2.34E-08	3.72E-07	3.95E-07	1.45E-07	1.97E-07	7.38E-08	3.95E-07	1.45E-07
360	489238.2	3859871	8.68E-04	8.47E-04	8.35E-04	3.00E-07	9.07E-07	5.25E-07	5.12E-07	4.64E-07	2.12E-07	2.09E-07	0.00E+00	0.00E+00	9.66E-08	1.74E-08	1.10E-07	1.70E-08	1.62E-08	2.57E-07	2.74E-07	1.00E-07	1.37E-07	5.11E-08	2.74E-07	1.00E-07
361	489288.2	3859871	8.99E-04	8.77E-04	8.65E-04	3.11E-07	9.39E-07	5.44E-07	5.31E-07	4.81E-07	2.19E-07	2.17E-07	0.00E+00	0.00E+00	1.00E-07	1.80E-08	1.14E-07	1.76E-08	1.68E-08	2.67E-07	2.84E-07	1.04E-07	1.42E-07	5.29E-08	2.84E-07	1.04E-07
362	489338.2	3859871	9.31E-04	9.09E-04	8.97E-04	3.22E-07	9.74E-07	5.64E-07	5.50E-07	4.99E-07	2.27E-07	2.24E-07	0.00E+00	0.00E+00	1.04E-07	1.87E-08	1.18E-07	1.83E-08	1.74E-08	2.76E-07	2.94E-07	1.08E-07	1.47E-07	5.48E-08	2.94E-07	1.08E-07
363	489388.2	3859871	9.68E-04	9.45E-04	9.32E-04	3.35E-07	1.01E-06	5.86E-07	5.72E-07	5.18E-07	2.36E-07	2.33E-07	0.00E+00	0.00E+00	1.08E-07	1.94E-08	1.23E-07	1.90E-08	1.81E-08	2.87E-07	3.06E-07	1.12E-07	1.53E-07	5.70E-08	3.06E-07	1.12E-07
364	489438.2	3859871	1.01E-03	9.84E-04	9.71E-04	3.49E-07	1.05E-06	6.10E-07	5.95E-07	5.40E-07	2.46E-07	2.43E-07	0.00E+00	0.00E+00	1.12E-07	2.02E-08	1.28E-07	1.98E-08	1.88E-08	2.99E-07	3.18E-07	1.17E-07	1.59E-07	5.93E-08	3.18E-07	1.17E-07
365	489488.2	3859871	1.05E-03	1.02E-03	1.01E-03	3.63E-07	1.10E-06	6.34E-07	6.19E-07	5.61E-07	2.56E-07	2.53E-07	0.00E+00	0.00E+00	1.17E-07	2.10E-08	1.33E-07	2.06E-08	1.96E-08	3.11E-07	3.31E-07	1.21E-07	1.65E-07	6.17E-08	3.31E-07	1.21E-07
366	489538.2	3859871	1.09E-03	1.07E-03	1.05E-03	3.78E-07	1.14E-06	6.61E-07	6.45E-07	5.84E-07	2.67E-07	2.63E-07	0.00E+00	0.00E+00	1.22E-07	2.19E-08	1.39E-07	2.14E-08	2.04E-08	3.24E-07	3.45E-07	1.26E-07	1.72E-07	6.43E-08	3.45E-07	1.26E-07
367	489588.2	3859871	1.14E-03	1.11E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	6.73E-07	6.10E-07	2.78E-07	2.75E-07	0.00E+00	0.00E+00	1.27E-07	2.28E-08	1.45E-07	2.23E-08	2.13E-08	3.38E-07	3.60E-07	1.32E-07	1.80E-07	6.71E-08	3.60E-07	1.32E-07
368	489238.2	3859921	8.19E-04	8.00E-04	7.89E-04	2.84E-07	8.56E-07	4.96E-07	4.84E-07	4.39E-07	2.00E-07	1.97E-07	0.00E+00	0.00E+00	9.12E-08	1.64E-08	1.04E-07	1.61E-08	1.53E-08	2.43E-07	2.59E-07	9.49E-08	1.29E-07	4.82E-08	2.59E-07	9.49E-08
369	489288.2	3859921	8.47E-04	8.26E-04	8.15E-04	2.93E-07	8.85E-07	5.12E-07	5.00E-07	4.53E-07	2.07E-07	2.04E-07	0.00E+00	0.00E+00	9.43E-08	1.70E-08	1.08E-07	1.66E-08	1.58E-08	2.51E-07	2.67E-07	9.80E-08	1.33E-07	4.98E-08	2.67E-07	9.80E-08
370	489338.2	3859921	8.75E-04	8.54E-04	8.43E-04	3.03E-07	9.15E-07	5.30E-07	5.17E-07	4.69E-07	2.14E-07	2.11E-07	0.00E+00	0.00E+00	9.74E-08	1.75E-08	1.11E-07	1.72E-08	1.63E-08	2.60E-07	2.76E-07	1.01E-07	1.38E-07	5.15E-08	2.76E-07	1.01E-07
371	489388.2	3859921	9.07E-04	8.85E-04	8.73E-04	3.14E-07	9.47E-07	5.48E-07	5.35E-07	4.85E-07	2.21E-07	2.18E-07	0.00E+00	0.00E+00	1.01E-07	1.82E-08	1.15E-07	1.78E-08	1.69E-08	2.69E-07	2.86E-07	1.05E-07	1.43E-07	5.34E-08	2.86E-07	1.05E-07
372	489438.2	3859921	9.38E-04	9.15E-04	9.03E-04	3.25E-07	9.80E-07	5.67E-07	5.54E-07	5.02E-07	2.29E-07	2.26E-07	0.00E+00	0.00E+00	1.04E-07	1.88E-08	1.19E-07	1.84E-08	1.75E-08	2.78E-07	2.96E-07	1.09E-07	1.48E-07	5.52E-08	2.96E-07	1.09E-07
373	489488.2	3859921	9.70E-04	9.47E-04	9.34E-04	3.36E-07	1.01E-06	5.87E-07	5.73E-07	5.19E-07	2.37E-07	2.34E-07	0.00E+00	0.00E+00	1.08E-07	1.94E-08	1.23E-07	1.90E-08	1.81E-08	2.88E-07	3.06E-07	1.12E-07	1.53E-07	5.71E-08	3.06E-07	1.12E-07
374	489538.2	3859921	1.01E-03	9.82E-04	9.69E-04	3.48E-07	1.05E-06	6.09E-07	5.94E-07	5.38E-07	2.46E-07	2.42E-07	0.00E+00	0.00E+00	1.12E-07	2.02E-08	1.28E-07	1.97E-08	1.88E-08	2.99E-07	3.18E-07	1.16E-07	1.58E-07	5.92E-08	3.18E-07	1.16E-07
375	489588.2	3859921	1.04E-03	1.01E-03	1.00E-03	3.60E-07	1.09E-06	6.29E-07	6.14E-07	5.57E-07	2.54E-07	2.51E-07	0.00E+00	0.00E+00	1.16E-07	2.08E-08	1.32E-07	2.04E-08	1.94E-08	3.09E-07	3.28E-07	1.20E-07	1.64E-07	6.12E-08	3.28E-07	1.20E-07
376	489238.2	3859971	7.77E-04	7.59E-04	7.49E-04	2.69E-07	8.13E-07	4.70E-07	4.59E-07	4.16E-07	1.90E-07	1.87E-07	0.00E+00	0.00E+00	8.65E-08	1.56E-08	9.89E-08	1.52E-08	1.45E-08	2.31E-07	2.45E-07	9.00E-08	1.22E-07	4.58E-08	2.45E-07	9.00E-08
377	489288.2	3859971	8.01E-04	7.81E-04	7.71E-04	2.77E-07	8.37E-07	4.84E-07	4.73E-07	4.29E-07	1.96E-07	1.93E-07	0.00E+00	0.00E+00	8.91E-08	1.60E-08	1.02E-07	1.57E-08	1.49E-08	2.38E-07	2.53E-07	9.27E-08	1.26E-07	4.71E-08	2.53E-07	9.27E-08
378	489338.2	3859971	8.26E-04	8.06E-04	7.95E-04	2.86E-07	8.63E-07	5.00E-07	4.88E-07	4.42E-07	2.02E-07	1.99E-07	0.00E+00	0.00E+00	9.19E-08	1.66E-08	1.05E-07	1.62E-08	1.54E-08	2.45E-07	2.61E-07	9.56E-08	1.30E-07	4.86E-08	2.61E-07	9.56E-08

379	489388.2	3859971	8.51E-04	8.31E-04	8.20E-04	2.95E-07	8.90E-07	5.15E-07	5.03E-07	4.56E-07	2.08E-07	2.05E-07	0.00E+00	0.00E+00	9.48E-08	1.71E-08	1.08E-07	1.67E-08	1.59E-08	2.53E-07	2.69E-07	9.85E-08	1.34E-07	5.01E-08	2.69E-07	9.85E-08
380	489438.2	3859971	8.72E-04	8.51E-04	8.40E-04	3.02E-07	9.12E-07	5.28E-07	5.15E-07	4.67E-07	2.13E-07	2.10E-07	0.00E+00	0.00E+00	9.71E-08	1.75E-08	1.11E-07	1.71E-08	1.63E-08	2.59E-07	2.75E-07	1.01E-07	1.37E-07	5.14E-08	2.75E-07	1.01E-07
381	489488.2	3859971	8.87E-04	8.66E-04	8.54E-04	3.07E-07	9.27E-07	5.37E-07	5.24E-07	4.75E-07	2.17E-07	2.14E-07	0.00E+00	0.00E+00	9.87E-08	1.78E-08	1.13E-07	1.74E-08	1.66E-08	2.63E-07	2.80E-07	1.03E-07	1.40E-07	5.22E-08	2.80E-07	1.03E-07
382	489538.2	3859971	9.01E-04	8.79E-04	8.67E-04	3.12E-07	9.41E-07	5.45E-07	5.32E-07	4.82E-07	2.20E-07	2.17E-07	0.00E+00	0.00E+00	1.00E-07	1.81E-08	1.15E-07	1.77E-08	1.68E-08	2.67E-07	2.84E-07	1.04E-07	1.42E-07	5.30E-08	2.84E-07	1.04E-07
383	489588.2	3859971	9.16E-04	8.94E-04	8.82E-04	3.17E-07	9.58E-07	5.55E-07	5.41E-07	4.91E-07	2.24E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.84E-08	1.17E-07	1.80E-08	1.71E-08	2.72E-07	2.89E-07	1.06E-07	1.44E-07	5.40E-08	2.89E-07	1.06E-07
384	483577.7	3854071	3.22E-03	3.15E-03	3.11E-03	1.12E-06	3.37E-06	1.95E-06	1.90E-06	1.73E-06	7.88E-07	7.77E-07	0.00E+00	0.00E+00	3.59E-07	6.46E-08	4.10E-07	6.32E-08	6.02E-08	9.57E-07	1.02E-06	3.73E-07	5.08E-07	1.90E-07	1.02E-06	3.73E-07
385	483627.7	3854071	2.97E-03	2.90E-03	2.86E-03	1.03E-06	3.10E-06	1.80E-06	1.75E-06	1.59E-06	7.25E-07	7.15E-07	0.00E+00	0.00E+00	3.30E-07	5.95E-08	3.77E-07	5.82E-08	5.54E-08	8.81E-07	9.36E-07	3.43E-07	4.67E-07	1.75E-07	9.36E-07	3.43E-07
386	483677.7	3854071	2.75E-03	2.68E-03	2.64E-03	9.51E-07	2.87E-06	1.66E-06	1.62E-06	1.47E-06	6.71E-07	6.62E-07	0.00E+00	0.00E+00	3.06E-07	5.50E-08	3.49E-07	5.39E-08	5.12E-08	8.15E-07	8.67E-07	3.18E-07	4.33E-07	1.62E-07	8.67E-07	3.18E-07
387	483727.7	3854071	2.56E-03	2.50E-03	2.46E-03	8.85E-07	2.67E-06	1.55E-06	1.51E-06	1.37E-06	6.24E-07	6.16E-07	0.00E+00	0.00E+00	2.85E-07	5.12E-08	3.25E-07	5.01E-08	4.77E-08	7.59E-07	8.07E-07	2.96E-07	4.03E-07	1.51E-07	8.07E-07	2.96E-07
388	483777.7	3854071	2.37E-03	2.32E-03	2.28E-03	8.21E-07	2.48E-06	1.44E-06	1.40E-06	1.27E-06	5.80E-07	5.72E-07	0.00E+00	0.00E+00	2.64E-07	4.76E-08	3.02E-07	4.65E-08	4.43E-08	7.04E-07	7.49E-07	2.75E-07	3.74E-07	1.40E-07	7.49E-07	2.75E-07
389	483577.7	3854121	3.70E-03	3.61E-03	3.56E-03	1.28E-06	3.87E-06	2.24E-06	2.19E-06	1.98E-06	9.04E-07	8.92E-07	0.00E+00	0.00E+00	4.12E-07	7.42E-08	4.71E-07	7.26E-08	6.91E-08	1.10E-06	1.17E-06	4.28E-07	5.83E-07	2.18E-07	1.17E-06	4.28E-07
390	483627.7	3854121	3.34E-03	3.26E-03	3.21E-03	1.16E-06	3.49E-06	2.02E-06	1.97E-06	1.79E-06	8.15E-07	8.04E-07	0.00E+00	0.00E+00	3.72E-07	6.69E-08	4.24E-07	6.55E-08	6.23E-08	9.91E-07	1.05E-06	3.86E-07	5.26E-07	1.96E-07	1.05E-06	3.86E-07
391	483677.7	3854121	3.03E-03	2.95E-03	2.92E-03	1.05E-06	3.16E-06	1.83E-06	1.79E-06	1.62E-06	7.39E-07	7.30E-07	0.00E+00	0.00E+00	3.37E-07	6.07E-08	3.85E-07	5.94E-08	5.65E-08	8.99E-07	9.56E-07	3.50E-07	4.77E-07	1.78E-07	9.56E-07	3.50E-07
392	483727.7	3854121	2.77E-03	2.70E-03	2.66E-03	9.57E-07	2.89E-06	1.67E-06	1.63E-06	1.48E-06	6.75E-07	6.66E-07	0.00E+00	0.00E+00	3.08E-07	5.54E-08	3.52E-07	5.42E-08	5.16E-08	8.21E-07	8.73E-07	3.20E-07	4.36E-07	1.63E-07	8.73E-07	3.20E-07
393	483777.7	3854121	2.56E-03	2.50E-03	2.47E-03	8.86E-07	2.68E-06	1.55E-06	1.51E-06	1.37E-06	6.25E-07	6.17E-07	0.00E+00	0.00E+00	2.85E-07	5.13E-08	3.26E-07	5.02E-08	4.78E-08	7.60E-07	8.08E-07	2.96E-07	4.03E-07	1.51E-07	8.08E-07	2.96E-07
394	483577.7	3854171	4.33E-03	4.23E-03	4.17E-03	1.50E-06	4.53E-06	2.62E-06	2.56E-06	2.32E-06	1.06E-06	1.04E-06	0.00E+00	0.00E+00	4.82E-07	8.68E-08	5.51E-07	8.49E-08	8.08E-08	1.29E-06	1.37E-06	5.01E-07	6.82E-07	2.55E-07	1.37E-06	5.01E-07
395	483627.7	3854171	3.80E-03	3.71E-03	3.66E-03	1.31E-06	3.97E-06	2.30E-06	2.24E-06	2.03E-06	9.27E-07	9.15E-07	0.00E+00	0.00E+00	4.23E-07	7.61E-08	4.83E-07	7.45E-08	7.08E-08	1.13E-06	1.20E-06	4.40E-07	5.98E-07	2.24E-07	1.20E-06	4.40E-07
396	483677.7	3854171	3.40E-03	3.31E-03	3.27E-03	1.18E-06	3.55E-06	2.05E-06	2.01E-06	1.82E-06	8.29E-07	8.18E-07	0.00E+00	0.00E+00	3.78E-07	6.81E-08	4.32E-07	6.66E-08	6.34E-08	1.01E-06	1.07E-06	3.93E-07	5.35E-07	2.00E-07	1.07E-06	3.93E-07
397	483727.7	3854171	3.08E-03	3.01E-03	2.97E-03	1.07E-06	3.22E-06	1.86E-06	1.82E-06	1.65E-06	7.52E-07	7.42E-07	0.00E+00	0.00E+00	3.43E-07	6.17E-08	3.92E-07	6.04E-08	5.75E-08	9.14E-07	9.72E-07	3.57E-07	4.85E-07	1.81E-07	9.72E-07	3.57E-07
398	483777.7	3854171	2.81E-03	2.74E-03	2.71E-03	9.73E-07	2.94E-06	1.70E-06	1.66E-06	1.50E-06	6.87E-07	6.78E-07	0.00E+00	0.00E+00	3.13E-07	5.63E-08	3.58E-07	5.51E-08	5.25E-08	8.34E-07	8.87E-07	3.25E-07	4.43E-07	1.66E-07	8.87E-07	3.25E-07
399	483827.7	3854171	2.56E-03	2.50E-03	2.46E-03	8.86E-07	2.67E-06	1.55E-06	1.51E-06	1.37E-06	6.25E-07	6.16E-07	0.00E+00	0.00E+00	2.85E-07	5.13E-08	3.25E-07	5.02E-08	4.77E-08	7.59E-07	8.07E-07	2.96E-07	4.03E-07	1.51E-07	8.07E-07	2.96E-07
400	483877.7	3854171	2.38E-03	2.32E-03	2.29E-03	8.23E-07	2.49E-06	1.44E-06	1.40E-06	1.27E-06	5.81E-07	5.73E-07	0.00E+00	0.00E+00	2.65E-07	4.77E-08	3.02E-07	4.66E-08	4.44E-08	7.06E-07	7.50E-07	2.75E-07	3.75E-07	1.40E-07	7.50E-07	2.75E-07
401	483727.7	3854221	3.54E-03	3.45E-03	3.40E-03	1.22E-06	3.70E-06	2.14E-06	2.09E-06	1.89E-06	8.63E-07	8.52E-07	0.00E+00	0.00E+00	3.94E-07	7.09E-08	4.50E-07	6.93E-08	6.60E-08	1.05E-06	1.12E-06	4.09E-07	5.57E-07	2.08E-07	1.12E-06	4.09E-07
402	483777.7	3854221	3.17E-03	3.09E-03	3.05E-03	1.10E-06	3.31E-06	1.92E-06	1.87E-06	1.70E-06	7.74E-07	7.64E-07	0.00E+00	0.00E+00	3.53E-07	6.35E-08	4.03E-07	6.22E-08	5.92E-08	9.41E-07	1.00E-06	3.67E-07	5.00E-07	1.87E-07	1.00E-06	3.67E-07
403	483827.7	3854221	2.92E-03	2.85E-03	2.81E-03	1.01E-06	3.05E-06	1.77E-06	1.72E-06	1.56E-06	7.13E-07	7.04E-07	0.00E+00	0.00E+00	3.25E-07	5.85E-08	3.71E-07	5.73E-08	5.45E-08	8.67E-07	9.22E-07	3.38E-07	4.60E-07	1.72E-07	9.22E-07	3.38E-07
404	483877.7	3854221	2.66E-03	2.60E-03	2.56E-03	9.21E-07	2.78E-06	1.61E-06	1.57E-06	1.42E-06	6.50E-07	6.41E-07	0.00E+00	0.00E+00	2.96E-07	5.33E-08	3.38E-07	5.22E-08	4.96E-08	7.90E-07	8.40E-07	3.08E-07	4.19E-07	1.57E-07	8.40E-07	3.08E-07
405	489150.2	3858726	4.29E-03	4.18E-03	4.13E-03	1.48E-06	4.48E-06	2.59E-06	2.53E-06	2.29E-06	1.05E-06	1.03E-06	0.00E+00	0.00E+00	4.77E-07	8.59E-08	5.45E-07	8.40E-08	8.00E-08	1.27E-06	1.35E-06	4.96E-07	6.75E-07	2.52E-07	1.35E-06	4.96E-07
406	489200.2	3858726	3.97E-03	3.88E-03	3.82E-03	1.37E-06	4.15E-06	2.40E-06	2.35E-06	2.13E-06	9.70E-07	9.57E-07	0.00E+00	0.00E+00	4.42E-07	7.96E-08	5.05E-07	7.79E-08	7.41E-08	1.18E-06	1.25E-06	4.60E-07	6.26E-07	2.34E-07	1.25E-06	4.60E-07
407	489150.2	3858776	4.94E-03	4.82E-03	4.76E-03	1.71E-06	5.17E-06	2.99E-06	2.92E-06	2.65E-06	1.21E-06	1.19E-06	0.00E+00	0.00E+00	5.50E-07	9.91E-08	6.29E-07	9.69E-08	9.22E-08	1.47E-06	1.56E-06	5.72E-07	7.79E-07	2.91E-07	1.56E-06	5.72E-07
408	489200.2	3858776	4.52E-03	4.41E-03	4.35E-03	1.56E-06	4.72E-06	2.73E-06	2.67E-06	2.42E-06	1.10E-06	1.09E-06	0.00E+00	0.00E+00	5.03E-07	9.05E-08	5.74E-07	8.86E-08	8.43E-08	1.34E-06	1.43E-06	5.23E-07	7.11E-07	2.66E-07	1.43E-06	5.23E-07
409	488919.6	3856401	8.27E-04	8.07E-04	7.96E-04	2.86E-07	8.64E-07	5.00E-07	4.88E-07	4.43E-07	2.02E-07	1.99E-07	0.00E+00	0.00E+00	9.20E-08	1.66E-08	1.05E-07	1.62E-08	1.54E-08	2.45E-07	2.61E-07	9.57E-08	1.30E-07	4.87E-08	2.61E-07	9.57E-08
410	488919.6	3856451	8.40E-04	8.19E-04	8.09E-04	2.91E-07	8.78E-07	5.08E-07	4.96E-07	4.49E-07	2.05E-07	2.02E-07	0.00E+00	0.00E+00	9.35E-08	1.68E-08	1.07E-07	1.65E-08	1.57E-08	2.49E-07	2.65E-07	9.72E-08	1.32E-07	4.94E-08	2.65E-07	9.72E-08
411	488969.6	3856451	8.30E-04	8.10E-04	7.99E-04	2.87E-07	8.68E-07	5.02E-07	4.90E-07	4.44E-07	2.03E-07	2.00E-07	0.00E+00	0.00E+00	9.24E-08	1.66E-08	1.06E-07	1.63E-08	1.55E-08	2.46E-07	2.62E-07	9.61E-08	1.31E-07	4.89E-08	2.62E-07	9.61E-08
412	488919.6	3856501	8.53E-04	8.33E-04	8.22E-04	2.95E-07	8.92E-07	5.16E-07	5.04E-07	4.57E-07	2.08E-07	2.06E-07	0.00E+00	0.00E+00	9.50E-08	1.71E-08	1.09E-07	1.67E-08	1.59E-08	2.53E-07	2.69E-07	9.88E-08	1.34E-07	5.02E-08	2.69E-07	9.88E-08
413	488969.6	3856501	8.43E-04	8.23E-04	8.12E-04	2.92E-07	8.82E-07	5.10E-07	4.98E-07	4.51E-07	2.06E-07	2.03E-07	0.00E+00	0.00E+00	9.39E-08	1.69E-08	1.07E-07	1.65E-08	1.57E-08	2.50E-07	2.66E-07	9.76E-08	1.33E-07	4.97E-08	2.66E-07	9.76E-08
414	488919.6	3856551	8.68E-04	8.47E-04	8.35E-04	3.00E-07	9.07E-07	5.25E-07	5.12E-07	4.64E-07	2.12E-07	2.09E-07	0.00E+00	0.00E+00	9.66E-08	1.74E-08	1.10E-07	1.70E-08	1.62E-08	2.57E-07	2.74E-07	1.00E-07	1.37E-07	5.11E-08	2.74E-07	1.00E-07
415	488969.6	3856551	8.57E-04	8.36E-04	8.25E-04	2.97E-07	8.96E-07	5.19E-07	5.06E-07	4.59E-07	2.09E-07	2.07E-07	0.00E+00	0.00E+00	9.54E-08	1.72E-08	1.09E-07	1.68E-08	1.60E-08	2.54E-07	2.71E-07	9.92E-08	1.35E-07	5.05E-08	2.71E-07	9.92E-08
416	488819.6	3856601	9.04E-04	8.82E-04	8.70E-04	3.13E-07	9.45E-07	5.47E-07	5.34E-07	4.84E-07	2.21E-07	2.18E-07	0.00E+00	0.00E+00	1.01E-07	1.81E-08	1.15E-07	1.77E-08	1.69E-08	2.68E-07	2.85E-07	1.05E-07	1.42E-07	5.32E-08	2.85E-07	1.05E-07
417	488869.6	3856601	8.92E-04	8.71E-04	8.59E-04	3.09E-07	9.33E-07	5.40E-07	5.27E-07	4.78E-07	2.18E-07	2.15E-07	0.00E+00	0.00E+00	9.93E-08	1.79E-08	1.13E-07	1.75E-08	1.67E-08	2.65E-07	2.82E-07	1.03E-07	1.41E-07	5.25E-08	2.82E-07	1.03E-07
418	488919.6	3856601	8.82E-04	8.60E-04	8.49E-04	3.05E-07	9.21E-07	5.33E-07	5.21E-07	4.72E-07	2.15E-07	2.12E-07	0.00E+00	0.00E+00	9.81E-08	1.77E-08	1.12E-07	1.73E-08	1.65E-08	2.62E-07	2.78E-07	1.02E-07	1.39E-07	5.19E-08	2.78E-07	1.02E-07
419	488819.6	3856651	9.19E-04	8.97E-04	8.85E-04	3.18E-07	9.61E-07	5.56E-07	5.43E-07	4.92E-07	2.25E-07	2.22E-07	0.00E+00	0.00E+00	1.02E-07	1.84E-08	1.17E-07	1.80E-08	1.72E-08	2.73E-07	2.90E-07	1.06E-07	1.45E-07	5.41E-08	2.90E-07	1.06E-07
420	488869.6	3856651	9.07E-04	8.85E-04	8.74E-04	3.14E-07	9.48E-07	5.49E-07	5.36E-07	4.86E-07	2.22E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.82E-08	1.15E-07	1.78E-08	1.69E-08	2.69E-07	2.86E-07	1.05E-07	1.43E-07	5.34E-08	2.86E-07	1.05E-07
421	488819.6	3856701	9.36E-04	9.13E-04	9.01E-04	3.24E-07	9.78E-07	5.66E-07	5.53E-07	5.01E-07	2.29E-07	2.26E-07	0.00E+00	0.00E+00	1.04E-07	1.88E-08	1.19E-07	1.84E-08	1.75E-08	2.78E-07	2.95E-07	1.08E-07	1.47E-07	5.51E-08	2.95E-07	1.08E-07
422	488869.6	3856701	9.23E-04	9.01E-04	8.89E-04	3.20E-07	9.65E-07	5.59E-07	5.45E-07	4.94E-07	2.25E-07	2.22E-07	0.00E+00	0.00E+00	1.03E-07	1.85E-08	1.17E-07	1.81E-08	1.72E-08	2.74E-07	2.91E-07	1.07E-07	1.45E-07	5.43E-08	2.91E-07	1.07E-07
423	488819.6	3856751	9.53E-04	9.30E-04	9.17E-04	3.30E-07	9.96E-07	5.76E-07	5.62E-07	5.10E-07	2.33E-07	2.30E-07	0.00E+00	0.00E+00	1.06E-07	1.91E-08	1.21E-07	1.87E-08	1.78E-08	2.83E-07	3.01E-07	1.10E-07	1.50E-07	5.61E-08	3.01E-07	1.10E-07
424	488869.6	3856751	9.40E-04	9.17E-04	9.05E-04	3.25E-07	9.83E-07	5.69E-07	5.55E-07	5.03E-07	2.30E-07	2.27E-07	0.00E+00	0.00E+00	1.05E-07	1.88E-08	1.20E-07	1.84E-08	1.75E-08	2.79E-07	2.97E-07	1.09E-07	1.48E-07	5.53E-08	2.97E-07	1.09E-07
425	488819.6	3857051	1.07E-03	1.05E-03	1.03E-03	3.71E-07	1.12E-06	6.49E-07	6.33E-07	5.74E-07	2.62E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.15E-08	1.36E-07	2.10E-08	2.00E-08	3.18E-07	3.38E-07	1.24E-07	1.69E-07	6.31E-08	3.38E-07	1.24E-07
426	488869.6	3857051	1.06E-03	1.03E-03	1.02E-03	3.66E-07	1.10E-06	6.39E-07	6.24E-07	5.65E-07	2.58E-07	2.55E-07	0.00E+00	0.00E+00	1.18E-07	2.12E-08	1.34E-07	2.07E-08	1.97E-08	3.13E-07	3.33E-07	1.22E-07	1.66E-07	6.22E-08	3.33E-07	1.22E-07
427	488919.6	3857051	1.04E-03	1.02E-03	1.00E-03	3.60E-07	1.09E-06	6.30E-07	6.14E-07	5.57E-07	2.54E-07	2.51E-07	0.00E+00	0.00E+00	1.16E-07	2.09E-08	1.32E-07	2.04E-08	1.94E-08	3.09E-07	3.28E-07	1.20E-07	1.64E-07	6.13E-08	3.28E-07	1.20E-07
428	488819.6	3857101	1.10E-03	1.07E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.48E-07	5.87E-07	2.68E-07	2.64E-07	0.00E+00	0.00E+00	1.22E-07	2.20E-08	1.39E-07	2.15E-08	2.05E-08	3.26E-07	3.46E-07	1.27E-07	1.73E-07	6.46E-08	3.46E-07	1.27E-07
429	488869.6	3857101	1.08E-03	1.05E-03	1.04E-03	3.74E-07	1.13E-06	6.53E-07	6.37E-07	5.78E-07	2.64E-07	2.60E-07	0.00E+00	0.00E+00	1.20E-07	2.16E-08	1.37E-07	2.12E-08	2.01E-08	3.20E-07	3.41E-07	1.25E-07	1.70E-07	6.35E-08	3.41E-07	1.25E-07
430	488919.6	3857101	1.06E-03	1.04E-03	1.02E-03	3.68E-07	1.11E-06	6.43E-07	6.28E-07	5.69E-07	2.60E-07	2.56E-07	0.00E+00	0.00E+00	1.18E-07	2.13E-08	1.35E-07	2.08E-08	1.98E-08	3.15E-07	3.35E-07	1.23E-07	1.67E-07	6.26E-08	3.35E-07	1.23E-07
431	488819.6	3857151	1.12E-03	1.10E-03	1.08E-03	3.89E-07	1.17E-06	6.80E-07	6.63E-07	6.01E-07	2.74E-07	2.71E-07	0.00E+00	0.00E+00	1.25E-07	2.25E-08	1.43E-07	2.20E-08	2.10E-08	3.33E-07	3.54E-07	1.30E-07	1.77E-07	6.61E-08	3.54E-07	1.30E-07
432	488869.6	3857151	1.10E-03	1.08E-03	1.06E-03	3.82E-07	1.15E-06	6.68E-07	6.52E-07	5.91E-07	2.70E-07	2.66E-07	0.00E+00	0.00E+00	1.23E-07	2.21E-08	1.40E-07	2.17E-08	2.06E-08	3.28E-07	3.49E-07	1.28E-07	1.74E-07	6.50E-08	3.49E-07	1.28E-07
433	488919.6	3857151	1.09E-03	1.06E-03	1.05E-03	3.76E-07	1.14E-06	6.58E-07	6.42E-07	5.82E-07	2.65E-07	2.62E-07	0.00E+00	0.00E+00	1.21E-07	2.18E-08	1.38E-07	2.13E-08	2.03E-08	3.23E-07	3.43E-07	1.26E-07	1.71E-07	6.40E-08	3.43E-07	1.26E-07
434	488969.6	3857151	1.07E-03	1.04E-03	1.03E-03	3.70E-07	1.12E-06	6.47E-07	6.32E-07	5.73E-07	2.61E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.14E-08	1.36E-07	2.10E-08	2.00E-08	3.18E-07	3.38E-07	1.24E-07	1.69E-07	6.30E-08	3.38E-07	1.24E-07
435	488819.6	3857201	1.15E-03	1.12E-03	1.11E-03	3.98E-07	1.20E-06	6.96E-07	6.79E-07	6.16E-07	2.81E-07	2.77E-07	0.00E+00	0.00E+00	1.28E-07	2.31E-08	1.46E-07	2.26E-08	2.15E-08	3.41E-07	3.63E-07	1.33E-07	1.81E-07	6.77E-08	3.63E-07	1.33E-07
436	488869.6	3857201	1.13E-03	1.10E-03	1.09E-03	3.91E-07	1.18E-06	6.84E-07	6.68E-07	6.05E-07	2.76E-07	2.73E-07	0.00E+00	0.00E+00	1.26E-07	2.27E-08	1.44E-07	2.22E-08	2.11E-08	3.36E-07	3.57E-07	1.31E-07	1.78E-07	6.66E-08	3.57E-07	1.31E-07
437	488919.6	3857201	1.11E-03	1.09E-03	1.07E-03	3.85E-07	1.16E-06	6.73E-07	6.57E-07	5.95E-07	2.72E-07	2.68E-07	0.00E+00	0.00E+00	1.24E-07	2.23E-08	1.41E-07	2.18E-08	2.08E-08	3.30E-07	3.51E-07	1.29E-07	1.75E-07	6.55E-08	3.51E-07	1.29E-07
438	488969.6	3857201	1.09E-03	1.07E-03	1.05E-03	3.79E-07	1.14E-06	6.62E-07	6.46E-07	5.86E-07	2.67E-07	2.64E-07	0.00E+00	0.00E+00	1.22E-07	2.19E-08	1.39E-07	2.15E-08	2.04E-08	3.25E-07	3.45E-07	1.27E-07	1.72E-07	6.44E-08	3.45E-07	1.27E-07
439	488819.6	3857251	1.18E-03	1.15E-03	1.14E-03	4.08E-07	1.23E-06	7.14E-07	6.96E-07	6.31E-07	2.88E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.36E-08	1.50E-07	2.31E-08	2.20E-08	3.50E-07	3.72E-07	1.37E-07	1.86E-07	6.94E-08	3.72E-07	1.37E-07
440	488869.6	3857251	1.16E-03	1.13E-03	1.12E-03	4.01E-07	1.21E-06	7.01E-07	6.84E-07	6.20E-07	2.83E-07	2.79E-07	0.00E+00	0.00E+00	1.29E-07	2.32E-08	1.47E-07	2.27E-08	2.16E-08	3.44E-07	3.66E-07	1.34E-07	1.83E-07	6.82E-08	3.66E-07	1.34E-07
441	488919.6	3857251	1.14E-03	1.11E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	6.73E-07	6.10E-07	2.78E-07	2.75E-07	0.00E+00	0.00E+00	1.27E-07	2.28E-08	1.45E-07	2.23E-08	2.13E-08	3.38E-07	3.60E-07	1.32E-07	1.79E-07	6.71E-08	3.60E-07	1.32E-07
442	488969.6	3857251	1.12E-03	1.09E-03	1.08E-03	3.88E-07	1.17E-06	6.78E-07	6.62E-07	6.00E-07	2.74E-07	2.70E-07	0.00E+00	0.00E+00	1.25E-07	2.25E-08	1.43E-07	2.20E-08	2.09E-08	3.33E-07	3.54E-07	1.30E-07	1.77E-07	6.60E-08	3.54E-07	1.30E-07
443	488819.6	3857301	1.21E-03	1.18E-03	1.17E-03	4.19E-07	1.26E-06	7.32E-07	7.15E-07	6.48E-07	2.96E-07	2.92E-07	0.00E+00	0.00E+00	1.35E-07	2.43E-08	1.54E-07	2.37E-08	2.26E-08	3.59E-07	3.82E-07	1.40E-07	1.91E-07	7.12E-08	3.82E-07	1.40E-07
444	488869.6	3857301	1.19E-03	1.16E-03	1.14E-03	4.11E-07	1.24E-06	7.19E-07	7.02E-07	6.36E-07	2.90E-07	2.86E-07	0.00E+00	0.00E+00	1.32E-07	2.38E-08	1.51E-07	2.33E-08	2.22E-08	3.53E-07	3.75E-07	1.38E-07	1.87E-07	7.00E-08	3.75E-07	1.38E-07
445	488919.6	3857301	1.17E-03	1.14E-03	1.12E-03	4.04E-07	1.22E-06	7.07E-07	6.90E-07	6.25E-07	2.85E-07	2.81E-07	0.00E+00	0.00E+00	1.30E-07	2.34E-08	1.49E-07	2.29E-08	2.18E-08	3.47E-07	3.69E-07	1.35E-07	1.84E-07	6.88E-08	3.69E-07	1.35E-07
446	488819.6	3857451	1.32E-03	1.28E-03	1.27E-03	4.55E-07	1.38E-06	7.96E-07	7.77E-07	7.04E-07	3.21E-07	3.17E-07	0.00E+00	0.00E+00	1.46E-07	2.64E-08	1.67E-07	2.58E-08	2.45E-08	3.90E-07	4.15E-07	1.52E-07	2.07E-07	7.74E-08	4.15E-07	1.52E-07
447	488869.6	3857451	1.29E-03	1.26E-03	1.24E-03	4.46E-07	1.35E-06	7.80E-07	7.61E-07	6.90E-07	3.15E-07	3.11E-07	0.00E+00	0.00E+00	1.43E-07	2.58E-08	1.64E-07	2.53E-08	2.40E-08	3.82E-07	4.07E-07	1.49E-07	2.03E-07	7.59E-08	4.07E-07	1.49E-07
448	488919.6	3857451	1.26E-03	1.23E-03	1.22E-03	4.38E-07	1.32E-06	7.65E-07	7.47E-07	6.77E-07	3.09E-07	3.05E-07	0.00E+00	0.00E+00	1.41E-07	2.53E-08	1.61E-07	2.48E-08	2.36E-08	3.75E-07	3.99E-07	1.46E-07	1.99E-07	7.44E-08	3.99E-07	1.46E-07
449	488819.6	3857501	1.35E-03	1.32E-03	1.30E-03	4.69E-07	1.42E-06	8.20E-07	8.00E-07	7.25E-07	3.31E-07	3.27E-07	0.00E+00	0.00E+00	1.51E-07	2.72E-08	1.72E-07	2.66E-08	2.53E-08	4.02E-07	4.28E-07	1.57E-07	2.13E-07	7.98E-08	4.28E-07	1.57E-07
450	488869.6	3857501	1.33E-03	1.30E-03	1.28E-03	4.59E-07	1.39E-06	8.03E-07	7.84E-07	7.10E-07	3.24E-07	3.20E-07	0.00E+00	0.00E+00	1.48E-07	2.66E-08	1.69E-07	2.60E-08	2.48E-08	3.94E-07	4.19E-07	1.54E-07	2.09E-07	7.81E-08	4.19E-07	1.54E-07
451	488919.6	3857501	1.30E-03	1.27E-03	1.25E-03	4.50E-07	1.36E-06	7.87E-07	7.68E-07	6.96E-07	3.18E-07	3.14E-07	0.00E+00	0.00E+00	1.45E-07	2.61E-08	1.65E-07	2.55E-08	2.43E-08	3.86E-07	4.11E-07	1.51E-07	2.05E-07	7.66E-08	4.11E-07	1.51E-07
452	488819.6	3857551	1.40E-03	1.36E-03	1.35E-03	4.84E-07	1.46E-06	8.46E-07	8.26E-07	7.48E-07	3.41E-07	3.37E-07	0.00E+00	0.00E+00	1.56E-07	2.80E-08	1.78E-07	2.74E-08	2.61E-08	4.15E-07	4.41E-07	1.62E-07	2.20E-07	8.23E-08	4.41E-07	1.62E-07
453	488869.6	3857551	1.37E-03	1.33E-03	1.32E-03	4.74E-07	1.43E-06	8.28E-07	8.08E-07	7.32E-07	3.34E-07	3.30E-07	0.00E+00	0.00E+00	1.52E-07	2.74E-08	1.74E-07	2.68E-08	2.55E-08	4.06E-07	4.32E-07	1.58E-07	2.15E-07	8.05E-08	4.32E-07	1.58E-07
454	488919.6	3857551	1.34E-03	1.31E-03	1.29E-03	4.64E-07	1.40E-06	8.11E-07	7.91E-07	7.17E-07	3.27E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.69E-08	1.70E-07	2.63E-08	2.50E-08	3.98E-07	4.23E-07	1.55E-07	2.11E-07	7.89E-08	4.23E-07	1.55E-07
455	489663.7	3860900	4.51E-04	4.40E-04	4.35E-04	1.56E-07	4.72E-07	2.73E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.02E-08	9.05E-09	5.74E-08	8.85E-09	8.42E-09	1.34E-07	1.42E-07	5.23E-08	7.11E-08	2.66E-08	1.42E-07	5.23E-08

456	489813.7	3860900	4.73E-04	4.62E-04	4.56E-04	1.64E-07	4.95E-07	2.86E-07	2.79E-07	2.53E-07	1.16E-07	1.14E-07	0.00E+00	0.00E+00	5.27E-08	9.49E-09	6.02E-08	9.28E-09	8.83E-09	1.40E-07	1.49E-07	5.48E-08	7.46E-08	2.79E-08	1.49E-07	5.48E-08
457	489863.7	3860900	4.81E-04	4.69E-04	4.63E-04	1.66E-07	5.03E-07	2.91E-07	2.84E-07	2.57E-07	1.17E-07	1.16E-07	0.00E+00	0.00E+00	5.35E-08	9.64E-09	6.11E-08	9.43E-09	8.97E-09	1.43E-07	1.52E-07	5.57E-08	7.57E-08	2.83E-08	1.52E-07	5.57E-08
458	489913.7	3860900	4.89E-04	4.77E-04	4.71E-04	1.69E-07	5.11E-07	2.96E-07	2.89E-07	2.62E-07	1.19E-07	1.18E-07	0.00E+00	0.00E+00	5.44E-08	9.80E-09	6.22E-08	9.59E-09	9.13E-09	1.45E-07	1.54E-07	5.66E-08	7.71E-08	2.88E-08	1.54E-07	5.66E-08
459	489963.7	3860900	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.20E-07	3.01E-07	2.94E-07	2.66E-07	1.21E-07	1.20E-07	0.00E+00	0.00E+00	5.54E-08	9.97E-09	6.33E-08	9.76E-09	9.28E-09	1.48E-07	1.57E-07	5.76E-08	7.84E-08	2.93E-08	1.57E-07	5.76E-08
460	490013.7	3860900	5.07E-04	4.94E-04	4.88E-04	1.75E-07	5.29E-07	3.07E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.64E-08	1.02E-08	6.44E-08	9.93E-09	9.45E-09	1.50E-07	1.60E-07	5.86E-08	7.98E-08	2.98E-08	1.60E-07	5.86E-08
461	490063.7	3860900	5.16E-04	5.03E-04	4.97E-04	1.79E-07	5.39E-07	3.12E-07	3.04E-07	2.76E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.74E-08	1.03E-08	6.56E-08	1.01E-08	9.62E-09	1.53E-07	1.63E-07	5.97E-08	8.12E-08	3.04E-08	1.63E-07	5.97E-08
462	489663.7	3860950	4.39E-04	4.29E-04	4.23E-04	1.52E-07	4.59E-07	2.66E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.89E-08	8.81E-09	5.59E-08	8.62E-09	8.20E-09	1.30E-07	1.39E-07	5.09E-08	6.92E-08	2.59E-08	1.39E-07	5.09E-08
463	489813.7	3860950	4.60E-04	4.49E-04	4.43E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	5.12E-08	9.21E-09	5.85E-08	9.01E-09	8.58E-09	1.36E-07	1.45E-07	5.32E-08	7.24E-08	2.71E-08	1.45E-07	5.32E-08
464	489863.7	3860950	4.66E-04	4.55E-04	4.49E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.50E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	5.19E-08	9.35E-09	5.93E-08	9.15E-09	8.70E-09	1.38E-07	1.47E-07	5.40E-08	7.35E-08	2.75E-08	1.47E-07	5.40E-08
465	489913.7	3860950	4.74E-04	4.63E-04	4.57E-04	1.64E-07	4.96E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	0.00E+00	0.00E+00	5.28E-08	9.50E-09	6.03E-08	9.30E-09	8.85E-09	1.41E-07	1.50E-07	5.49E-08	7.47E-08	2.79E-08	1.50E-07	5.49E-08
466	489963.7	3860950	4.82E-04	4.70E-04	4.64E-04	1.67E-07	5.04E-07	2.92E-07	2.85E-07	2.58E-07	1.18E-07	1.16E-07	0.00E+00	0.00E+00	5.37E-08	9.66E-09	6.13E-08	9.45E-09	9.00E-09	1.43E-07	1.52E-07	5.58E-08	7.59E-08	2.84E-08	1.52E-07	5.58E-08
467	490013.7	3860950	4.90E-04	4.79E-04	4.72E-04	1.70E-07	5.13E-07	2.97E-07	2.90E-07	2.62E-07	1.20E-07	1.18E-07	0.00E+00	0.00E+00	5.46E-08	9.83E-09	6.24E-08	9.62E-09	9.15E-09	1.46E-07	1.55E-07	5.68E-08	7.73E-08	2.89E-08	1.55E-07	5.68E-08
468	490063.7	3860950	4.99E-04	4.87E-04	4.80E-04	1.73E-07	5.21E-07	3.02E-07	2.94E-07	2.67E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.55E-08	9.99E-09	6.34E-08	9.78E-09	9.31E-09	1.48E-07	1.57E-07	5.77E-08	7.86E-08	2.94E-08	1.57E-07	5.77E-08
469	489513.7	3861000	4.12E-04	4.02E-04	3.96E-04	1.42E-07	4.30E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.92E-08	0.00E+00	0.00E+00	4.58E-08	8.25E-09	5.23E-08	8.07E-09	7.68E-09	1.22E-07	1.30E-07	4.76E-08	6.48E-08	2.42E-08	1.30E-07	4.76E-08
470	489563.7	3861000	4.17E-04	4.06E-04	4.01E-04	1.44E-07	4.35E-07	2.52E-07	2.46E-07	2.23E-07	1.02E-07	1.00E-07	0.00E+00	0.00E+00	4.64E-08	8.35E-09	5.30E-08	8.17E-09	7.77E-09	1.24E-07	1.31E-07	4.82E-08	6.56E-08	2.45E-08	1.31E-07	4.82E-08
471	489613.7	3861000	4.22E-04	4.12E-04	4.07E-04	1.46E-07	4.41E-07	2.56E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.70E-08	8.46E-09	5.37E-08	8.28E-09	7.88E-09	1.25E-07	1.33E-07	4.89E-08	6.65E-08	2.49E-08	1.33E-07	4.89E-08
472	489663.7	3861000	4.28E-04	4.18E-04	4.12E-04	1.48E-07	4.48E-07	2.59E-07	2.53E-07	2.29E-07	1.05E-07	1.03E-07	0.00E+00	0.00E+00	4.77E-08	8.58E-09	5.44E-08	8.40E-09	7.99E-09	1.27E-07	1.35E-07	4.96E-08	6.74E-08	2.52E-08	1.35E-07	4.96E-08
473	489713.7	3861000	4.34E-04	4.24E-04	4.18E-04	1.50E-07	4.54E-07	2.63E-07	2.56E-07	2.32E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.84E-08	8.71E-09	5.52E-08	8.52E-09	8.11E-09	1.29E-07	1.37E-07	5.03E-08	6.84E-08	2.56E-08	1.37E-07	5.03E-08
474	489763.7	3861000	4.40E-04	4.30E-04	4.24E-04	1.52E-07	4.60E-07	2.66E-07	2.60E-07	2.36E-07	1.08E-07	1.06E-07	0.00E+00	0.00E+00	4.90E-08	8.82E-09	5.60E-08	8.63E-09	8.21E-09	1.31E-07	1.39E-07	5.10E-08	6.93E-08	2.59E-08	1.39E-07	5.10E-08
475	489813.7	3861000	4.47E-04	4.36E-04	4.31E-04	1.55E-07	4.67E-07	2.71E-07	2.64E-07	2.39E-07	1.09E-07	1.08E-07	0.00E+00	0.00E+00	4.98E-08	8.96E-09	5.69E-08	8.77E-09	8.35E-09	1.33E-07	1.41E-07	5.18E-08	7.05E-08	2.63E-08	1.41E-07	5.18E-08
476	489863.7	3861000	4.53E-04	4.42E-04	4.37E-04	1.57E-07	4.74E-07	2.74E-07	2.68E-07	2.43E-07	1.11E-07	1.09E-07	0.00E+00	0.00E+00	5.05E-08	9.09E-09	5.77E-08	8.89E-09	8.46E-09	1.35E-07	1.43E-07	5.25E-08	7.14E-08	2.67E-08	1.43E-07	5.25E-08
477	489913.7	3861000	4.61E-04	4.50E-04	4.44E-04	1.60E-07	4.82E-07	2.79E-07	2.72E-07	2.47E-07	1.13E-07	1.11E-07	0.00E+00	0.00E+00	5.13E-08	9.24E-09	5.86E-08	9.04E-09	8.60E-09	1.37E-07	1.45E-07	5.34E-08	7.26E-08	2.71E-08	1.45E-07	5.34E-08
478	489963.7	3861000	4.68E-04	4.56E-04	4.50E-04	1.62E-07	4.89E-07	2.83E-07	2.76E-07	2.50E-07	1.14E-07	1.13E-07	0.00E+00	0.00E+00	5.20E-08	9.37E-09	5.95E-08	9.17E-09	8.72E-09	1.39E-07	1.48E-07	5.41E-08	7.37E-08	2.75E-08	1.48E-07	5.41E-08
479	490013.7	3861000	4.75E-04	4.64E-04	4.58E-04	1.65E-07	4.97E-07	2.88E-07	2.81E-07	2.54E-07	1.16E-07	1.15E-07	0.00E+00	0.00E+00	5.29E-08	9.53E-09	6.05E-08	9.32E-09	8.87E-09	1.41E-07	1.50E-07	5.50E-08	7.49E-08	2.80E-08	1.50E-07	5.50E-08
480	490063.7	3861000	4.83E-04	4.72E-04	4.65E-04	1.67E-07	5.05E-07	2.92E-07	2.85E-07	2.59E-07	1.18E-07	1.16E-07	0.00E+00	0.00E+00	5.38E-08	9.69E-09	6.15E-08	9.48E-09	9.02E-09	1.43E-07	1.53E-07	5.60E-08	7.61E-08	2.85E-08	1.53E-07	5.60E-08
481	489513.7	3861050	4.02E-04	3.93E-04	3.87E-04	1.39E-07	4.21E-07	2.43E-07	2.38E-07	2.15E-07	9.83E-08	9.70E-08	0.00E+00	0.00E+00	4.48E-08	8.07E-09	5.12E-08	7.89E-09	7.51E-09	1.19E-07	1.27E-07	4.66E-08	6.34E-08	2.37E-08	1.27E-07	4.66E-08
482	489563.7	3861050	4.07E-04	3.97E-04	3.92E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.94E-08	9.81E-08	0.00E+00	0.00E+00	4.53E-08	8.16E-09	5.18E-08	7.98E-09	7.59E-09	1.21E-07	1.28E-07	4.71E-08	6.41E-08	2.40E-08	1.28E-07	4.71E-08
483	489613.7	3861050	4.13E-04	4.03E-04	3.97E-04	1.43E-07	4.31E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.95E-08	0.00E+00	0.00E+00	4.60E-08	8.27E-09	5.25E-08	8.10E-09	7.70E-09	1.23E-07	1.30E-07	4.78E-08	6.50E-08	2.43E-08	1.30E-07	4.78E-08
484	489663.7	3861050	4.18E-04	4.08E-04	4.02E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	0.00E+00	0.00E+00	4.65E-08	8.37E-09	5.31E-08	8.19E-09	7.80E-09	1.24E-07	1.32E-07	4.84E-08	6.58E-08	2.46E-08	1.32E-07	4.84E-08
485	489713.7	3861050	4.23E-04	4.13E-04	4.07E-04	1.46E-07	4.42E-07	2.56E-07	2.50E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.71E-08	8.48E-09	5.38E-08	8.30E-09	7.90E-09	1.26E-07	1.34E-07	4.90E-08	6.67E-08	2.49E-08	1.34E-07	4.90E-08
486	489763.7	3861050	4.29E-04	4.19E-04	4.13E-04	1.48E-07	4.48E-07	2.60E-07	2.53E-07	2.30E-07	1.05E-07	1.03E-07	0.00E+00	0.00E+00	4.78E-08	8.60E-09	5.46E-08	8.41E-09	8.00E-09	1.27E-07	1.35E-07	4.97E-08	6.76E-08	2.53E-08	1.35E-07	4.97E-08
487	489813.7	3861050	4.35E-04	4.25E-04	4.19E-04	1.51E-07	4.55E-07	2.63E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.84E-08	8.72E-09	5.53E-08	8.53E-09	8.12E-09	1.29E-07	1.37E-07	5.04E-08	6.86E-08	2.56E-08	1.37E-07	5.04E-08
488	489863.7	3861050	4.41E-04	4.31E-04	4.25E-04	1.53E-07	4.61E-07	2.67E-07	2.61E-07	2.36E-07	1.08E-07	1.06E-07	0.00E+00	0.00E+00	4.91E-08	8.85E-09	5.61E-08	8.66E-09	8.24E-09	1.31E-07	1.39E-07	5.11E-08	6.95E-08	2.60E-08	1.39E-07	5.11E-08
489	489913.7	3861050	4.48E-04	4.37E-04	4.31E-04	1.55E-07	4.68E-07	2.71E-07	2.65E-07	2.40E-07	1.09E-07	1.08E-07	0.00E+00	0.00E+00	4.99E-08	8.98E-09	5.70E-08	8.79E-09	8.36E-09	1.33E-07	1.41E-07	5.19E-08	7.06E-08	2.64E-08	1.41E-07	5.19E-08
490	489963.7	3861050	4.55E-04	4.44E-04	4.38E-04	1.57E-07	4.75E-07	2.75E-07	2.68E-07	2.43E-07	1.11E-07	1.10E-07	0.00E+00	0.00E+00	5.06E-08	9.11E-09	5.78E-08	8.92E-09	8.48E-09	1.35E-07	1.44E-07	5.26E-08	7.16E-08	2.68E-08	1.44E-07	5.26E-08
491	490013.7	3861050	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	0.00E+00	0.00E+00	5.14E-08	9.26E-09	5.88E-08	9.06E-09	8.62E-09	1.37E-07	1.46E-07	5.35E-08	7.28E-08	2.72E-08	1.46E-07	5.35E-08
492	490063.7	3861050	4.69E-04	4.58E-04	4.52E-04	1.62E-07	4.90E-07	2.84E-07	2.77E-07	2.51E-07	1.15E-07	1.13E-07	0.00E+00	0.00E+00	5.22E-08	9.40E-09	5.97E-08	9.20E-09	8.76E-09	1.39E-07	1.48E-07	5.43E-08	7.39E-08	2.76E-08	1.48E-07	5.43E-08
493	489513.7	3861100	3.93E-04	3.84E-04	3.79E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.11E-07	9.61E-08	9.48E-08	0.00E+00	0.00E+00	4.38E-08	7.88E-09	5.00E-08	7.71E-09	7.34E-09	1.17E-07	1.24E-07	4.55E-08	6.20E-08	2.32E-08	1.24E-07	4.55E-08
494	489563.7	3861100	3.98E-04	3.88E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.72E-08	9.59E-08	0.00E+00	0.00E+00	4.43E-08	7.97E-09	5.06E-08	7.80E-09	7.42E-09	1.18E-07	1.26E-07	4.61E-08	6.27E-08	2.34E-08	1.26E-07	4.61E-08
495	489613.7	3861100	4.02E-04	3.92E-04	3.87E-04	1.39E-07	4.20E-07	2.43E-07	2.37E-07	2.15E-07	9.82E-08	9.69E-08	0.00E+00	0.00E+00	4.48E-08	8.06E-09	5.11E-08	7.88E-09	7.50E-09	1.19E-07	1.27E-07	4.65E-08	6.33E-08	2.37E-08	1.27E-07	4.65E-08
496	489663.7	3861100	4.07E-04	3.97E-04	3.92E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.94E-08	9.81E-08	0.00E+00	0.00E+00	4.53E-08	8.16E-09	5.18E-08	7.98E-09	7.59E-09	1.21E-07	1.28E-07	4.71E-08	6.41E-08	2.40E-08	1.28E-07	4.71E-08
497	489713.7	3861100	4.12E-04	4.02E-04	3.97E-04	1.43E-07	4.31E-07	2.50E-07	2.43E-07	2.21E-07	1.01E-07	9.94E-08	0.00E+00	0.00E+00	4.59E-08	8.26E-09	5.24E-08	8.09E-09	7.69E-09	1.22E-07	1.30E-07	4.77E-08	6.50E-08	2.43E-08	1.30E-07	4.77E-08
498	489763.7	3861100	4.18E-04	4.08E-04	4.03E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	0.00E+00	0.00E+00	4.66E-08	8.38E-09	5.32E-08	8.20E-09	7.80E-09	1.24E-07	1.32E-07	4.84E-08	6.59E-08	2.46E-08	1.32E-07	4.84E-08
499	489813.7	3861100	4.24E-04	4.14E-04	4.08E-04	1.47E-07	4.43E-07	2.57E-07	2.50E-07	2.27E-07	1.04E-07	1.02E-07	0.00E+00	0.00E+00	4.72E-08	8.50E-09	5.39E-08	8.32E-09	7.91E-09	1.26E-07	1.34E-07	4.91E-08	6.68E-08	2.50E-08	1.34E-07	4.91E-08
500	489863.7	3861100	4.30E-04	4.20E-04	4.14E-04	1.49E-07	4.50E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.79E-08	8.62E-09	5.47E-08	8.44E-09	8.03E-09	1.28E-07	1.36E-07	4.98E-08	6.78E-08	2.53E-08	1.36E-07	4.98E-08
501	489913.7	3861100	4.36E-04	4.25E-04	4.20E-04	1.51E-07	4.56E-07	2.64E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.85E-08	8.74E-09	5.55E-08	8.55E-09	8.14E-09	1.29E-07	1.38E-07	5.05E-08	6.87E-08	2.57E-08	1.38E-07	5.05E-08
502	489963.7	3861100	4.43E-04	4.32E-04	4.26E-04	1.53E-07	4.63E-07	2.68E-07	2.61E-07	2.37E-07	1.08E-07	1.07E-07	0.00E+00	0.00E+00	4.93E-08	8.87E-09	5.63E-08	8.68E-09	8.26E-09	1.31E-07	1.40E-07	5.12E-08	6.97E-08	2.61E-08	1.40E-07	5.12E-08
503	490013.7	3861100	4.49E-04	4.38E-04	4.32E-04	1.55E-07	4.69E-07	2.72E-07	2.65E-07	2.40E-07	1.10E-07	1.08E-07	0.00E+00	0.00E+00	5.00E-08	9.00E-09	5.71E-08	8.80E-09	8.38E-09	1.33E-07	1.42E-07	5.20E-08	7.07E-08	2.64E-08	1.42E-07	5.20E-08
504	490063.7	3861100	4.56E-04	4.45E-04	4.39E-04	1.58E-07	4.77E-07	2.76E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	0.00E+00	0.00E+00	5.08E-08	9.15E-09	5.80E-08	8.95E-09	8.52E-09	1.35E-07	1.44E-07	5.28E-08	7.19E-08	2.69E-08	1.44E-07	5.28E-08
505	489713.7	3861150	4.02E-04	3.93E-04	3.87E-04	1.39E-07	4.21E-07	2.43E-07	2.38E-07	2.15E-07	9.83E-08	9.70E-08	0.00E+00	0.00E+00	4.48E-08	8.07E-09	5.12E-08	7.89E-09	7.51E-09	1.19E-07	1.27E-07	4.66E-08	6.34E-08	2.37E-08	1.27E-07	4.66E-08
506	489763.7	3861150	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.26E-07	2.47E-07	2.41E-07	2.18E-07	9.96E-08	9.83E-08	0.00E+00	0.00E+00	4.54E-08	8.17E-09	5.19E-08	8.00E-09	7.61E-09	1.21E-07	1.29E-07	4.72E-08	6.42E-08	2.40E-08	1.29E-07	4.72E-08
507	489813.7	3861150	4.14E-04	4.04E-04	3.98E-04	1.43E-07	4.32E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.97E-08	0.00E+00	0.00E+00	4.60E-08	8.29E-09	5.26E-08	8.11E-09	7.72E-09	1.23E-07	1.31E-07	4.79E-08	6.52E-08	2.43E-08	1.31E-07	4.79E-08
508	489863.7	3861150	4.19E-04	4.09E-04	4.03E-04	1.45E-07	4.38E-07	2.54E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	0.00E+00	0.00E+00	4.66E-08	8.40E-09	5.33E-08	8.22E-09	7.82E-09	1.24E-07	1.32E-07	4.85E-08	6.60E-08	2.47E-08	1.32E-07	4.85E-08
509	489913.7	3861150	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.27E-07	1.04E-07	1.02E-07	0.00E+00	0.00E+00	4.73E-08	8.51E-09	5.40E-08	8.33E-09	7.93E-09	1.26E-07	1.34E-07	4.92E-08	6.69E-08	2.50E-08	1.34E-07	4.92E-08
510	489963.7	3861150	4.31E-04	4.21E-04	4.15E-04	1.49E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.80E-08	8.64E-09	5.48E-08	8.45E-09	8.04E-09	1.28E-07	1.36E-07	4.99E-08	6.79E-08	2.54E-08	1.36E-07	4.99E-08
511	490013.7	3861150	4.37E-04	4.26E-04	4.21E-04	1.51E-07	4.57E-07	2.64E-07	2.58E-07	2.34E-07	1.07E-07	1.05E-07	0.00E+00	0.00E+00	4.86E-08	8.76E-09	5.56E-08	8.57E-09	8.15E-09	1.30E-07	1.38E-07	5.06E-08	6.88E-08	2.57E-08	1.38E-07	5.06E-08
512	490063.7	3861150	4.44E-04	4.33E-04	4.27E-04	1.54E-07	4.64E-07	2.68E-07	2.62E-07	2.37E-07	1.08E-07	1.07E-07	0.00E+00	0.00E+00	4.94E-08	8.89E-09	5.64E-08	8.70E-09	8.28E-09	1.32E-07	1.40E-07	5.13E-08	6.99E-08	2.61E-08	1.40E-07	5.13E-08
513	489613.7	3861200	3.83E-04	3.74E-04	3.69E-04	1.33E-07	4.01E-07	2.32E-07	2.26E-07	2.05E-07	9.36E-08	9.24E-08	0.00E+00	0.00E+00	4.27E-08	7.68E-09	4.88E-08	7.52E-09	7.15E-09	1.14E-07	1.21E-07	4.44E-08	6.04E-08	2.26E-08	1.21E-07	4.44E-08
514	489663.7	3861200	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.06E-07	2.35E-07	2.29E-07	2.08E-07	9.48E-08	9.36E-08	0.00E+00	0.00E+00	4.32E-08	7.78E-09	4.94E-08	7.62E-09	7.25E-09	1.15E-07	1.23E-07	4.50E-08	6.12E-08	2.29E-08	1.23E-07	4.50E-08
515	489713.7	3861200	3.93E-04	3.83E-04	3.78E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.10E-07	9.60E-08	9.47E-08	0.00E+00	0.00E+00	4.37E-08	7.87E-09	5.00E-08	7.70E-09	7.33E-09	1.17E-07	1.24E-07	4.55E-08	6.19E-08	2.31E-08	1.24E-07	4.55E-08
516	489763.7	3861200	3.98E-04	3.88E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.72E-08	9.59E-08	0.00E+00	0.00E+00	4.43E-08	7.97E-09	5.06E-08	7.80E-09	7.42E-09	1.18E-07	1.26E-07	4.61E-08	6.27E-08	2.34E-08	1.26E-07	4.61E-08
517	489813.7	3861200	4.03E-04	3.94E-04	3.88E-04	1.40E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.85E-08	9.72E-08	0.00E+00	0.00E+00	4.49E-08	8.08E-09	5.13E-08	7.91E-09	7.52E-09	1.20E-07	1.27E-07	4.67E-08	6.35E-08	2.37E-08	1.27E-07	4.67E-08
518	489863.7	3861200	4.09E-04	3.99E-04	3.94E-04	1.42E-07	4.28E-07	2.48E-07	2.42E-07	2.19E-07	9.99E-08	9.86E-08	0.00E+00	0.00E+00	4.55E-08	8.20E-09	5.20E-08	8.02E-09	7.63E-09	1.21E-07	1.29E-07	4.74E-08	6.44E-08	2.41E-08	1.29E-07	4.74E-08
519	489913.7	3861200	4.14E-04	4.04E-04	3.99E-04	1.43E-07	4.33E-07	2.51E-07	2.44E-07	2.22E-07	1.01E-07	9.98E-08	0.00E+00	0.00E+00	4.61E-08	8.30E-09	5.27E-08	8.12E-09	7.73E-09	1.23E-07	1.31E-07	4.79E-08	6.52E-08	2.44E-08	1.31E-07	4.79E-08
520	489963.7	3861200	4.20E-04	4.10E-04	4.04E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.67E-08	8.41E-09	5.34E-08	8.23E-09	7.83E-09	1.25E-07	1.33E-07	4.86E-08	6.61E-08	2.47E-08	1.33E-07	4.86E-08
521	490013.7	3861200	4.26E-04	4.15E-04	4.10E-04	1.47E-07	4.45E-07	2.58E-07	2.51E-07	2.28E-07	1.04E-07	1.03E-07	0.00E+00	0.00E+00	4.74E-08	8.53E-09	5.41E-08	8.35E-09	7.94E-09	1.26E-07	1.34E-07	4.93E-08	6.71E-08	2.51E-08	1.34E-07	4.93E-08
522	490063.7	3861200	4.32E-04	4.21E-04	4.16E-04	1.50E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.81E-08	8.66E-09	5.49E-08	8.47E-09	8.06E-09	1.28E-07	1.36E-07	5.00E-08	6.80E-08	2.54E-08	1.36E-07	5.00E-08
523	489513.7	3861250	3.66E-04	3.57E-04	3.53E-04	1.27E-07	3.83E-07	2.22E-07	2.16E-07	1.96E-07	8.95E-08	8.83E-08	0.00E+00	0.00E+00	4.08E-08	7.34E-09	4.66E-08	7.18E-09	6.84E-09	1.09E-07	1.16E-07	4.24E-08	5.77E-08	2.16E-08	1.16E-07	4.24E-08
524	489563.7	3861250	3.71E-04	3.62E-04	3.57E-04	1.28E-07	3.88E-07	2.24E-07	2.19E-07	1.99E-07	9.06E-08	8.94E-08	0.00E+00	0.00E+00	4.13E-08	7.43E-09	4.72E-08	7.27E-09	6.92E-09	1.10E-07	1.17E-07	4.29E-08	5.84E-08	2.18E-08	1.17E-07	4.29E-08
525	489613.7	3861250	3.75E-04	3.66E-04	3.61E-04	1.30E-07	3.92E-07	2.27E-07	2.21E-07	2.01E-07	9.16E-08	9.04E-08	0.00E+00	0.00E+00	4.17E-08	7.52E-09	4.77E-08	7.36E-09	7.00E-09	1.11E-07	1.18E-07	4.34E-08	5.91E-08	2.21E-08	1.18E-07	4.34E-08
526	489663.7	3861250	3.80E-04	3.70E-04	3.66E-04	1.31E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.27E-08	9.15E-08	0.00E+00	0.00E+00	4.23E-08	7.61E-09	4.83E-08	7.44E-09	7.08E-09	1.13E-07	1.20E-07	4.39E-08	5.98E-08	2.23E-08	1.20E-07	4.39E-08
527	489713.7	3861250	3.84E-04	3.74E-04	3.70E-04	1.33E-07	4.01E-07	2.32E-07	2.27E-07	2.05E-07	9.37E-08	9.25E-08	0.00E+00	0.00E+00	4.27E-08	7.69E-09	4.88E-08	7.53E-09	7.16E-09	1.14E-07	1.21E-07	4.44E-08	6.05E-08	2.26E-08	1.21E-07	4.44E-08
528	489763.7	3861250	3.89E-04	3.79E-04	3.74E-04	1.35E-07	4.06E-07	2.35E-07	2.30E-07	2.08E-07	9.49E-08	9.37E-08	0.00E+00	0.00E+00	4.33E-08	7.79E-09	4.94E-08	7.62E-09	7.25E-09	1.15E-07	1.23E-07	4.50E-08	6.12E-08	2.29E-08	1.23E-07	4.50E-08
529	489813.7	3861250	3.94E-04	3.84E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.32E-07	2.11E-07	9.62E-08	9.49E-08	0.00E+00	0.00E+00	4.38E-08	7.89E-09	5.01E-08	7.72E-09	7.35E-09	1.17E-07	1.24E-07	4.56E-08	6.20E-08	2.32E-08	1.24E-07	4.56E-08
530	489863.7	3861250	3.99E-04	3.89E-04	3.84E-04	1.38E-07	4.17E-07	2.41E-07	2.36E-07	2.14E-07	9.75E-08	9.62E-08	0.00E+00	0.00E+00	4.44E-08	8.00E-09	5.08E-08	7.83E-09	7.45E-09	1.18E-07	1.26E-07	4.62E-08	6.29E-08	2.35E-08	1.26E-07	4.62E-08
531	489913.7	3861250	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.45E-07	2.39E-07	2.16E-07	9.87E-08	9.74E-08	0.00E+00	0.00E+00	4.50E-08	8.10E-09	5.14E-08	7.92E-09	7.54E-09	1.20E-07	1.28E-07	4.68E-08	6.37E-08	2.38E-08	1.28E-07	4.68E-08
532	489963.7	3861250	4.09E-04	4.00E-04	3.94E-04	1.42E-07	4.28E-07	2.48E-07	2.42E-07	2.19E-07	1.00E-07	9.87E-08	0.00E+00	0.00E+00	4.56E-08	8.21E-09	5.21E-08	8.03E-09	7.64E-09	1.22E-07	1.29E-07	4.74E-08	6.45E-08	2.41E-08	1.29E-07	4.74E-08

533	490013.7	3861250	4.15E-04	4.05E-04	3.99E-04	1.44E-07	4.34E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	1.00E-07	0.00E+00	0.00E+00	4.62E-08	8.31E-09	5.28E-08	8.14E-09	7.74E-09	1.23E-07	1.31E-07	4.80E-08	6.54E-08	2.44E-08	1.31E-07	4.80E-08
534	490063.7	3861250	4.21E-04	4.11E-04	4.05E-04	1.46E-07	4.40E-07	2.55E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.68E-08	8.43E-09	5.35E-08	8.25E-09	7.85E-09	1.25E-07	1.33E-07	4.87E-08	6.63E-08	2.48E-08	1.33E-07	4.87E-08
535	489528.1	3861308	3.59E-04	3.50E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.12E-07	1.92E-07	8.76E-08	8.65E-08	0.00E+00	0.00E+00	3.99E-08	7.19E-09	4.56E-08	7.04E-09	6.70E-09	1.07E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
536	489578.1	3861308	3.63E-04	3.54E-04	3.49E-04	1.26E-07	3.79E-07	2.19E-07	2.14E-07	1.94E-07	8.86E-08	8.74E-08	0.00E+00	0.00E+00	4.04E-08	7.27E-09	4.61E-08	7.11E-09	6.77E-09	1.08E-07	1.14E-07	4.20E-08	5.71E-08	2.13E-08	1.14E-07	4.20E-08
537	489628.1	3861308	3.67E-04	3.58E-04	3.53E-04	1.27E-07	3.83E-07	2.22E-07	2.17E-07	1.96E-07	8.96E-08	8.84E-08	0.00E+00	0.00E+00	4.08E-08	7.35E-09	4.66E-08	7.19E-09	6.84E-09	1.09E-07	1.16E-07	4.25E-08	5.78E-08	2.16E-08	1.16E-07	4.25E-08
538	489678.1	3861308	3.70E-04	3.62E-04	3.57E-04	1.28E-07	3.87E-07	2.24E-07	2.19E-07	1.98E-07	9.05E-08	8.93E-08	0.00E+00	0.00E+00	4.12E-08	7.42E-09	4.71E-08	7.27E-09	6.91E-09	1.10E-07	1.17E-07	4.29E-08	5.84E-08	2.18E-08	1.17E-07	4.29E-08
539	489728.1	3861308	3.75E-04	3.66E-04	3.62E-04	1.30E-07	3.92E-07	2.27E-07	2.22E-07	2.01E-07	9.17E-08	9.05E-08	0.00E+00	0.00E+00	4.18E-08	7.52E-09	4.77E-08	7.36E-09	7.01E-09	1.11E-07	1.19E-07	4.35E-08	5.91E-08	2.21E-08	1.19E-07	4.35E-08
540	489778.1	3861308	3.80E-04	3.70E-04	3.66E-04	1.31E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.27E-08	9.15E-08	0.00E+00	0.00E+00	4.23E-08	7.61E-09	4.83E-08	7.44E-09	7.08E-09	1.13E-07	1.20E-07	4.39E-08	5.98E-08	2.23E-08	1.20E-07	4.39E-08
541	489678.1	3861358	3.63E-04	3.54E-04	3.50E-04	1.26E-07	3.79E-07	2.20E-07	2.14E-07	1.94E-07	8.87E-08	8.75E-08	0.00E+00	0.00E+00	4.04E-08	7.28E-09	4.62E-08	7.12E-09	6.77E-09	1.08E-07	1.15E-07	4.20E-08	5.72E-08	2.14E-08	1.15E-07	4.20E-08
542	489728.1	3861358	3.67E-04	3.58E-04	3.53E-04	1.27E-07	3.83E-07	2.22E-07	2.17E-07	1.96E-07	8.96E-08	8.84E-08	0.00E+00	0.00E+00	4.08E-08	7.35E-09	4.66E-08	7.19E-09	6.84E-09	1.09E-07	1.16E-07	4.25E-08	5.78E-08	2.16E-08	1.16E-07	4.25E-08
543	489528.1	3861408	3.44E-04	3.36E-04	3.31E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.40E-08	8.29E-08	0.00E+00	0.00E+00	3.83E-08	6.89E-09	4.37E-08	6.74E-09	6.42E-09	1.02E-07	1.09E-07	3.98E-08	5.42E-08	2.02E-08	1.09E-07	3.98E-08
544	489578.1	3861408	3.48E-04	3.39E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.49E-08	8.38E-08	0.00E+00	0.00E+00	3.87E-08	6.97E-09	4.42E-08	6.82E-09	6.49E-09	1.03E-07	1.10E-07	4.02E-08	5.48E-08	2.05E-08	1.10E-07	4.02E-08
545	489628.1	3861408	3.51E-04	3.43E-04	3.38E-04	1.22E-07	3.67E-07	2.13E-07	2.07E-07	1.88E-07	8.58E-08	8.47E-08	0.00E+00	0.00E+00	3.91E-08	7.04E-09	4.47E-08	6.89E-09	6.56E-09	1.04E-07	1.11E-07	4.07E-08	5.54E-08	2.07E-08	1.11E-07	4.07E-08
546	489678.1	3861408	3.55E-04	3.46E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.09E-07	1.90E-07	8.66E-08	8.55E-08	0.00E+00	0.00E+00	3.95E-08	7.11E-09	4.51E-08	6.96E-09	6.62E-09	1.05E-07	1.12E-07	4.11E-08	5.59E-08	2.09E-08	1.12E-07	4.11E-08
547	489728.1	3861408	3.59E-04	3.50E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.12E-07	1.92E-07	8.76E-08	8.65E-08	0.00E+00	0.00E+00	3.99E-08	7.19E-09	4.56E-08	7.04E-09	6.70E-09	1.07E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
548	489528.1	3861458	3.37E-04	3.29E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.24E-08	8.13E-08	0.00E+00	0.00E+00	3.75E-08	6.76E-09	4.29E-08	6.61E-09	6.29E-09	1.00E-07	1.06E-07	3.90E-08	5.31E-08	1.99E-08	1.06E-07	3.90E-08
549	489578.1	3861458	3.41E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.32E-08	8.21E-08	0.00E+00	0.00E+00	3.79E-08	6.83E-09	4.33E-08	6.68E-09	6.36E-09	1.01E-07	1.08E-07	3.94E-08	5.37E-08	2.01E-08	1.08E-07	3.94E-08
550	489628.1	3861458	3.44E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.08E-07	2.03E-07	1.84E-07	8.41E-08	8.30E-08	0.00E+00	0.00E+00	3.83E-08	6.90E-09	4.38E-08	6.75E-09	6.43E-09	1.02E-07	1.09E-07	3.99E-08	5.42E-08	2.03E-08	1.09E-07	3.99E-08
551	489678.1	3861458	3.48E-04	3.40E-04	3.35E-04	1.20E-07	3.64E-07	2.11E-07	2.06E-07	1.86E-07	8.50E-08	8.39E-08	0.00E+00	0.00E+00	3.87E-08	6.98E-09	4.43E-08	6.83E-09	6.50E-09	1.03E-07	1.10E-07	4.03E-08	5.48E-08	2.05E-08	1.10E-07	4.03E-08
552	489728.1	3861458	3.51E-04	3.43E-04	3.38E-04	1.22E-07	3.67E-07	2.13E-07	2.07E-07	1.88E-07	8.58E-08	8.47E-08	0.00E+00	0.00E+00	3.91E-08	7.04E-09	4.47E-08	6.89E-09	6.56E-09	1.04E-07	1.11E-07	4.07E-08	5.54E-08	2.07E-08	1.11E-07	4.07E-08
553	489528.1	3861508	3.31E-04	3.23E-04	3.18E-04	1.14E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.08E-08	7.97E-08	0.00E+00	0.00E+00	3.68E-08	6.63E-09	4.20E-08	6.48E-09	6.17E-09	9.81E-08	1.04E-07	3.83E-08	5.21E-08	1.95E-08	1.04E-07	3.83E-08
554	489578.1	3861508	3.34E-04	3.26E-04	3.22E-04	1.16E-07	3.49E-07	2.02E-07	1.97E-07	1.79E-07	8.16E-08	8.05E-08	0.00E+00	0.00E+00	3.72E-08	6.69E-09	4.25E-08	6.55E-09	6.23E-09	9.91E-08	1.05E-07	3.87E-08	5.26E-08	1.97E-08	1.05E-07	3.87E-08
555	489628.1	3861508	3.38E-04	3.30E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.25E-08	8.14E-08	0.00E+00	0.00E+00	3.76E-08	6.77E-09	4.29E-08	6.62E-09	6.30E-09	1.00E-07	1.07E-07	3.91E-08	5.32E-08	1.99E-08	1.07E-07	3.91E-08
556	489678.1	3861508	3.41E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.32E-08	8.21E-08	0.00E+00	0.00E+00	3.79E-08	6.83E-09	4.33E-08	6.68E-09	6.36E-09	1.01E-07	1.08E-07	3.94E-08	5.37E-08	2.01E-08	1.08E-07	3.94E-08
557	489728.1	3861508	3.44E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.08E-07	2.03E-07	1.84E-07	8.41E-08	8.30E-08	0.00E+00	0.00E+00	3.83E-08	6.90E-09	4.38E-08	6.75E-09	6.43E-09	1.02E-07	1.09E-07	3.99E-08	5.42E-08	2.03E-08	1.09E-07	3.99E-08
558	489628.1	3861558	3.31E-04	3.23E-04	3.19E-04	1.15E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.09E-08	7.98E-08	0.00E+00	0.00E+00	3.69E-08	6.64E-09	4.21E-08	6.49E-09	6.18E-09	9.83E-08	1.04E-07	3.83E-08	5.22E-08	1.95E-08	1.04E-07	3.83E-08
559	489678.1	3861558	3.34E-04	3.26E-04	3.22E-04	1.16E-07	3.50E-07	2.02E-07	1.97E-07	1.79E-07	8.17E-08	8.06E-08	0.00E+00	0.00E+00	3.72E-08	6.70E-09	4.25E-08	6.56E-09	6.24E-09	9.92E-08	1.06E-07	3.87E-08	5.27E-08	1.97E-08	1.06E-07	3.87E-08
560	489728.1	3861558	3.38E-04	3.30E-04	3.26E-04	1.17E-07	3.53E-07	2.05E-07	2.00E-07	1.81E-07	8.26E-08	8.15E-08	0.00E+00	0.00E+00	3.76E-08	6.78E-09	4.30E-08	6.63E-09	6.31E-09	1.00E-07	1.07E-07	3.91E-08	5.33E-08	1.99E-08	1.07E-07	3.91E-08
561	489357.1	3861016	3.93E-04	3.84E-04	3.79E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.11E-07	9.61E-08	9.48E-08	0.00E+00	0.00E+00	4.38E-08	7.88E-09	5.00E-08	7.71E-09	7.34E-09	1.17E-07	1.24E-07	4.55E-08	6.20E-08	2.32E-08	1.24E-07	4.55E-08
562	489407.1	3861016	3.98E-04	3.88E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.72E-08	9.59E-08	0.00E+00	0.00E+00	4.43E-08	7.97E-09	5.06E-08	7.80E-09	7.42E-09	1.18E-07	1.26E-07	4.61E-08	6.27E-08	2.34E-08	1.26E-07	4.61E-08
563	489457.1	3861016	4.02E-04	3.93E-04	3.87E-04	1.39E-07	4.21E-07	2.43E-07	2.38E-07	2.15E-07	9.83E-08	9.70E-08	0.00E+00	0.00E+00	4.48E-08	8.07E-09	5.12E-08	7.89E-09	7.51E-09	1.19E-07	1.27E-07	4.66E-08	6.34E-08	2.37E-08	1.27E-07	4.66E-08
564	489357.1	3861066	3.85E-04	3.76E-04	3.71E-04	1.33E-07	4.02E-07	2.33E-07	2.27E-07	2.06E-07	9.40E-08	9.28E-08	0.00E+00	0.00E+00	4.29E-08	7.72E-09	4.90E-08	7.55E-09	7.18E-09	1.14E-07	1.22E-07	4.46E-08	6.07E-08	2.27E-08	1.22E-07	4.46E-08
565	489407.1	3861066	3.89E-04	3.79E-04	3.74E-04	1.35E-07	4.06E-07	2.35E-07	2.30E-07	2.08E-07	9.49E-08	9.37E-08	0.00E+00	0.00E+00	4.33E-08	7.79E-09	4.94E-08	7.62E-09	7.25E-09	1.15E-07	1.23E-07	4.50E-08	6.12E-08	2.29E-08	1.23E-07	4.50E-08
566	489457.1	3861066	3.93E-04	3.84E-04	3.79E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.11E-07	9.61E-08	9.48E-08	0.00E+00	0.00E+00	4.38E-08	7.88E-09	5.00E-08	7.71E-09	7.34E-09	1.17E-07	1.24E-07	4.55E-08	6.20E-08	2.32E-08	1.24E-07	4.55E-08
567	489357.1	3861116	3.77E-04	3.68E-04	3.63E-04	1.30E-07	3.94E-07	2.28E-07	2.22E-07	2.02E-07	9.20E-08	9.08E-08	0.00E+00	0.00E+00	4.19E-08	7.55E-09	4.79E-08	7.39E-09	7.03E-09	1.12E-07	1.19E-07	4.36E-08	5.93E-08	2.22E-08	1.19E-07	4.36E-08
568	489407.1	3861116	3.81E-04	3.72E-04	3.67E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.30E-08	9.18E-08	0.00E+00	0.00E+00	4.24E-08	7.63E-09	4.84E-08	7.47E-09	7.11E-09	1.13E-07	1.20E-07	4.41E-08	6.00E-08	2.24E-08	1.20E-07	4.41E-08
569	489457.1	3861116	3.85E-04	3.76E-04	3.71E-04	1.33E-07	4.02E-07	2.33E-07	2.27E-07	2.06E-07	9.40E-08	9.28E-08	0.00E+00	0.00E+00	4.29E-08	7.72E-09	4.90E-08	7.55E-09	7.18E-09	1.14E-07	1.22E-07	4.46E-08	6.07E-08	2.27E-08	1.22E-07	4.46E-08
570	489407.1	3861166	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.89E-07	2.25E-07	2.20E-07	1.99E-07	9.10E-08	8.98E-08	0.00E+00	0.00E+00	4.15E-08	7.47E-09	4.74E-08	7.31E-09	6.95E-09	1.11E-07	1.18E-07	4.31E-08	5.87E-08	2.19E-08	1.18E-07	4.31E-08
571	489457.1	3861166	3.77E-04	3.68E-04	3.63E-04	1.30E-07	3.94E-07	2.28E-07	2.22E-07	2.02E-07	9.20E-08	9.08E-08	0.00E+00	0.00E+00	4.19E-08	7.55E-09	4.79E-08	7.39E-09	7.03E-09	1.12E-07	1.19E-07	4.36E-08	5.93E-08	2.22E-08	1.19E-07	4.36E-08
572	489407.1	3861216	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	0.00E+00	0.00E+00	4.05E-08	7.30E-09	4.63E-08	7.14E-09	6.80E-09	1.08E-07	1.15E-07	4.22E-08	5.74E-08	2.14E-08	1.15E-07	4.22E-08
573	489457.1	3861216	3.68E-04	3.59E-04	3.54E-04	1.27E-07	3.85E-07	2.23E-07	2.17E-07	1.97E-07	8.99E-08	8.87E-08	0.00E+00	0.00E+00	4.10E-08	7.38E-09	4.68E-08	7.22E-09	6.87E-09	1.09E-07	1.16E-07	4.26E-08	5.80E-08	2.17E-08	1.16E-07	4.26E-08
574	489407.1	3861266	3.56E-04	3.47E-04	3.43E-04	1.23E-07	3.72E-07	2.15E-07	2.10E-07	1.91E-07	8.69E-08	8.58E-08	0.00E+00	0.00E+00	3.96E-08	7.13E-09	4.53E-08	6.98E-09	6.64E-09	1.06E-07	1.12E-07	4.12E-08	5.61E-08	2.10E-08	1.12E-07	4.12E-08
575	489457.1	3861266	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	0.00E+00	0.00E+00	4.00E-08	7.21E-09	4.57E-08	7.05E-09	6.71E-09	1.07E-07	1.14E-07	4.16E-08	5.67E-08	2.12E-08	1.14E-07	4.16E-08
576	489309.9	3861110	3.73E-04	3.64E-04	3.60E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.12E-08	9.00E-08	0.00E+00	0.00E+00	4.16E-08	7.48E-09	4.75E-08	7.32E-09	6.97E-09	1.11E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
577	489407.1	3861316	3.48E-04	3.40E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.06E-07	1.87E-07	8.51E-08	8.40E-08	0.00E+00	0.00E+00	3.88E-08	6.98E-09	4.43E-08	6.83E-09	6.50E-09	1.03E-07	1.10E-07	4.03E-08	5.49E-08	2.05E-08	1.10E-07	4.03E-08
578	489457.1	3861316	3.52E-04	3.44E-04	3.39E-04	1.22E-07	3.68E-07	2.13E-07	2.08E-07	1.89E-07	8.60E-08	8.49E-08	0.00E+00	0.00E+00	3.92E-08	7.06E-09	4.48E-08	6.91E-09	6.57E-09	1.05E-07	1.11E-07	4.08E-08	5.55E-08	2.07E-08	1.11E-07	4.08E-08
579	488906	3861007	3.61E-04	3.52E-04	3.47E-04	1.25E-07	3.77E-07	2.18E-07	2.13E-07	1.93E-07	8.80E-08	8.69E-08	0.00E+00	0.00E+00	4.01E-08	7.23E-09	4.58E-08	7.07E-09	6.73E-09	1.07E-07	1.14E-07	4.17E-08	5.68E-08	2.12E-08	1.14E-07	4.17E-08
580	488956	3861007	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	0.00E+00	0.00E+00	4.05E-08	7.30E-09	4.63E-08	7.14E-09	6.80E-09	1.08E-07	1.15E-07	4.22E-08	5.74E-08	2.14E-08	1.15E-07	4.22E-08
581	488904.2	3861052	3.55E-04	3.46E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.09E-07	1.90E-07	8.66E-08	8.55E-08	0.00E+00	0.00E+00	3.95E-08	7.11E-09	4.51E-08	6.96E-09	6.62E-09	1.05E-07	1.12E-07	4.11E-08	5.59E-08	2.09E-08	1.12E-07	4.11E-08
582	488954.2	3861052	3.58E-04	3.49E-04	3.44E-04	1.24E-07	3.74E-07	2.16E-07	2.11E-07	1.91E-07	8.73E-08	8.62E-08	0.00E+00	0.00E+00	3.98E-08	7.17E-09	4.55E-08	7.01E-09	6.67E-09	1.06E-07	1.13E-07	4.14E-08	5.63E-08	2.11E-08	1.13E-07	4.14E-08
583	489004.2	3861052	3.62E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.14E-07	1.94E-07	8.84E-08	8.72E-08	0.00E+00	0.00E+00	4.03E-08	7.25E-09	4.60E-08	7.09E-09	6.75E-09	1.07E-07	1.14E-07	4.19E-08	5.70E-08	2.13E-08	1.14E-07	4.19E-08
584	488804.2	3861102	3.41E-04	3.33E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.83E-07	8.33E-08	8.22E-08	0.00E+00	0.00E+00	3.80E-08	6.83E-09	4.34E-08	6.69E-09	6.36E-09	1.01E-07	1.08E-07	3.95E-08	5.37E-08	2.01E-08	1.08E-07	3.95E-08
585	488854.2	3861102	3.45E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.09E-07	2.04E-07	1.85E-07	8.42E-08	8.31E-08	0.00E+00	0.00E+00	3.84E-08	6.91E-09	4.38E-08	6.76E-09	6.43E-09	1.02E-07	1.09E-07	3.99E-08	5.43E-08	2.03E-08	1.09E-07	3.99E-08
586	488904.2	3861102	3.47E-04	3.38E-04	3.34E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.47E-08	8.36E-08	0.00E+00	0.00E+00	3.86E-08	6.95E-09	4.41E-08	6.80E-09	6.47E-09	1.03E-07	1.09E-07	4.01E-08	5.46E-08	2.04E-08	1.09E-07	4.01E-08
587	488954.2	3861102	3.50E-04	3.42E-04	3.37E-04	1.21E-07	3.66E-07	2.12E-07	2.07E-07	1.87E-07	8.55E-08	8.44E-08	0.00E+00	0.00E+00	3.90E-08	7.02E-09	4.45E-08	6.87E-09	6.53E-09	1.04E-07	1.11E-07	4.05E-08	5.52E-08	2.06E-08	1.11E-07	4.05E-08
588	489004.2	3861102	3.53E-04	3.45E-04	3.40E-04	1.22E-07	3.69E-07	2.14E-07	2.08E-07	1.89E-07	8.62E-08	8.51E-08	0.00E+00	0.00E+00	3.93E-08	7.08E-09	4.49E-08	6.92E-09	6.59E-09	1.05E-07	1.11E-07	4.09E-08	5.56E-08	2.08E-08	1.11E-07	4.09E-08
589	488804.2	3861152	3.34E-04	3.25E-04	3.21E-04	1.15E-07	3.49E-07	2.02E-07	1.97E-07	1.79E-07	8.15E-08	8.04E-08	0.00E+00	0.00E+00	3.71E-08	6.68E-09	4.24E-08	6.54E-09	6.22E-09	9.90E-08	1.05E-07	3.86E-08	5.25E-08	1.96E-08	1.05E-07	3.86E-08
590	488854.2	3861152	3.36E-04	3.28E-04	3.24E-04	1.16E-07	3.52E-07	2.04E-07	1.99E-07	1.80E-07	8.22E-08	8.11E-08	0.00E+00	0.00E+00	3.75E-08	6.74E-09	4.28E-08	6.60E-09	6.28E-09	9.99E-08	1.06E-07	3.89E-08	5.30E-08	1.98E-08	1.06E-07	3.89E-08
591	489129.5	3861188	3.48E-04	3.40E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.06E-07	1.87E-07	8.51E-08	8.40E-08	0.00E+00	0.00E+00	3.88E-08	6.98E-09	4.43E-08	6.83E-09	6.50E-09	1.03E-07	1.10E-07	4.03E-08	5.49E-08	2.05E-08	1.10E-07	4.03E-08
592	489179.5	3861188	3.52E-04	3.43E-04	3.39E-04	1.22E-07	3.68E-07	2.13E-07	2.08E-07	1.88E-07	8.59E-08	8.48E-08	0.00E+00	0.00E+00	3.92E-08	7.05E-09	4.47E-08	6.90E-09	6.56E-09	1.04E-07	1.11E-07	4.07E-08	5.54E-08	2.07E-08	1.11E-07	4.07E-08
593	488804.2	3861202	3.27E-04	3.19E-04	3.15E-04	1.13E-07	3.42E-07	1.98E-07	1.93E-07	1.75E-07	7.99E-08	7.89E-08	0.00E+00	0.00E+00	3.64E-08	6.56E-09	4.16E-08	6.42E-09	6.11E-09	9.72E-08	1.03E-07	3.79E-08	5.16E-08	1.93E-08	1.03E-07	3.79E-08
594	488854.2	3861202	3.30E-04	3.22E-04	3.18E-04	1.14E-07	3.45E-07	2.00E-07	1.95E-07	1.77E-07	8.06E-08	7.95E-08	0.00E+00	0.00E+00	3.67E-08	6.61E-09	4.19E-08	6.47E-09	6.15E-09	9.79E-08	1.04E-07	3.82E-08	5.20E-08	1.94E-08	1.04E-07	3.82E-08
595	489129.5	3861238	3.42E-04	3.34E-04	3.29E-04	1.18E-07	3.57E-07	2.07E-07	2.02E-07	1.83E-07	8.35E-08	8.24E-08	0.00E+00	0.00E+00	3.81E-08	6.85E-09	4.35E-08	6.70E-09	6.38E-09	1.01E-07	1.08E-07	3.96E-08	5.39E-08	2.01E-08	1.08E-07	3.96E-08
596	489179.5	3861238	3.45E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.09E-07	2.04E-07	1.85E-07	8.42E-08	8.31E-08	0.00E+00	0.00E+00	3.84E-08	6.91E-09	4.38E-08	6.76E-09	6.43E-09	1.02E-07	1.09E-07	3.99E-08	5.43E-08	2.03E-08	1.09E-07	3.99E-08
597	488804.2	3861252	3.22E-04	3.14E-04	3.10E-04	1.11E-07	3.36E-07	1.95E-07	1.90E-07	1.72E-07	7.85E-08	7.75E-08	0.00E+00	0.00E+00	3.58E-08	6.44E-09	4.09E-08	6.31E-09	6.00E-09	9.54E-08	1.01E-07	3.72E-08	5.07E-08	1.89E-08	1.01E-07	3.72E-08
598	488854.2	3861252	3.24E-04	3.16E-04	3.12E-04	1.12E-07	3.38E-07	1.96E-07	1.91E-07	1.73E-07	7.90E-08	7.80E-08	0.00E+00	0.00E+00	3.60E-08	6.49E-09	4.12E-08	6.35E-09	6.04E-09	9.60E-08	1.02E-07	3.75E-08	5.10E-08	1.91E-08	1.02E-07	3.75E-08
599	488804.2	3861302	3.15E-04	3.07E-04	3.03E-04	1.09E-07	3.29E-07	1.91E-07	1.86E-07	1.69E-07	7.69E-08	7.59E-08	0.00E+00	0.00E+00	3.51E-08	6.31E-09	4.00E-08	6.18E-09	5.88E-09	9.35E-08	9.94E-08	3.65E-08	4.96E-08	1.85E-08	9.94E-08	3.65E-08
600	488854.2	3861302	3.18E-04	3.10E-04	3.06E-04	1.10E-07	3.32E-07	1.92E-07	1.88E-07	1.70E-07	7.76E-08	7.66E-08	0.00E+00	0.00E+00	3.54E-08	6.37E-09	4.04E-08	6.23E-09	5.93E-09	9.43E-08	1.00E-07	3.68E-08	5.01E-08	1.87E-08	1.00E-07	3.68E-08
601	490943.5	3860182	2.59E-03	2.53E-03	2.50E-03	8.98E-07	2.71E-06	1.57E-06	1.53E-06	1.39E-06	6.34E-07	6.25E-07	0.00E+00	0.00E+00	2.89E-07	5.20E-08	3.30E-07	5.09E-08	4.84E-08	7.70E-07	8.19E-07	3.00E-07	4.09E-07	1.53E-07	8.19E-07	3.00E-07
602	490993.5	3860182	2.93E-03	2.86E-03	2.82E-03	1.01E-06	3.06E-06	1.77E-06	1.73E-06	1.57E-06	7.16E-07	7.06E-07	0.00E+00	0.00E+00	3.26E-07	5.87E-08	3.73E-07	5.75E-08	5.47E-08	8.70E-07	9.25E-07	3.39E-07	4.62E-07	1.73E-07	9.25E-07	3.39E-07
603	491043.5	3860182	3.39E-03	3.31E-03	3.27E-03	1.17E-06	3.55E-06	2.05E-06	2.00E-06	1.82E-06	8.29E-07	8.18E-07	0.00E+00	0.00E+00	3.78E-07	6.80E-08	4.31E-07	6.65E-08	6.33E-08	1.01E-06	1.07E-06	3.93E-07	5.34E-07	2.00E-07	1.07E-06	3.93E-07
604	491093.5	3860182	4.06E-03	3.96E-03	3.90E-03	1.40E-06	4.24E-06	2.45E-06	2.39E-06	2.17E-06	9.90E-07	9.77E-07	0.00E+00	0.00E+00	4.51E-07	8.13E-08	5.16E-07	7.95E-08	7.57E-08	1.20E-06	1.28E-06	4.69E-07	6.39E-07	2.39E-07	1.28E-06	4.69E-07
605	490943.5	3860232	2.19E-03	2.13E-03	2.11E-03	7.57E-07	2.29E-06	1.32E-06	1.29E-06	1.17E-06	5.34E-07	5.27E-07	0.00E+00	0.00E+00	2.43E-07	4.38E-08	2.78E-07	4.29E-08	4.08E-08	6.49E-07	6.90E-07	2.53E-07	3.44E-07	1.29E-07	6.90E-07	2.53E-07
606	490993.5	3860232	2.43E-03	2.38E-03	2.34E-03	8.43E-07	2.54E-06	1.47E-06	1.44E-06	1.30E-06	5.94E-07	5.87E-07	0.00E+00	0.00E+00	2.71E-07	4.88E-08	3.10E-07	4.77E-08	4.54E-08	7.22E-07	7.68E-07	2.82E-07	3.83E-07	1.43E-07	7.68E-07	2.82E-07
607	491043.5	3860232	2.74E-03	2.67E-03	2.63E-03	9.47E-07	2.86E-06	1.66E-06	1.62E-06	1.46E-06	6.68E-07	6.59E-07	0.00E+00	0.00E+00	3.05E-07	5.48E-08	3.48E-07	5.37E-08	5.11E-08	8.12E-07	8.64E-07	3.17E-07	4.31E-07	1.61E-07	8.64E-07	3.17E-07
608	491093.5	3860232	3.15E-03	3.07E-03	3.03E-03	1.09E-06	3.29E-06	1.90E-06	1.86E-06	1.68E-06	7.68E-07	7.58E-07	0.00E+00	0.00E+00	3.50E-07	6.30E-08	4.00E-07	6.17E-08	5.87E-08	9.34E-07	9.93E-07	3.64E-07	4.96E-07	1.85E-07	9.93E-07	3.64E-07
609	490943.5	3860282	1.90E-03	1.85E-03	1.83E-03	6.56E-07	1.98E-06	1.15E-06	1.12E-06	1.01E-06	4.63E-07	4.57E-07	0.00E+00	0.00E+00	2.11E-07	3.80E-08	2.41E-07	3.72E-08	3.54E-08	5.63E-07	5.98E-07	2.19E-07	2.99E-07	1.12E-07	5.98E-07	2.19E-07

610	490993.5	3860282	2.08E-03	2.03E-03	2.00E-03	7.19E-07	2.17E-06	1.26E-06	1.23E-06	1.11E-06	5.07E-07	5.01E-07	0.00E+00	0.00E+00	2.31E-07	4.16E-08	2.64E-07	4.07E-08	3.88E-08	6.17E-07	6.56E-07	2.40E-07	3.27E-07	1.22E-07	6.56E-07	2.40E-07
611	491043.5	3860282	2.30E-03	2.24E-03	2.21E-03	7.95E-07	2.40E-06	1.39E-06	1.36E-06	1.23E-06	5.61E-07	5.53E-07	0.00E+00	0.00E+00	2.56E-07	4.60E-08	2.92E-07	4.50E-08	4.28E-08	6.81E-07	7.25E-07	2.66E-07	3.62E-07	1.35E-07	7.25E-07	2.66E-07
612	491093.5	3860282	2.58E-03	2.51E-03	2.48E-03	8.92E-07	2.69E-06	1.56E-06	1.52E-06	1.38E-06	6.29E-07	6.21E-07	0.00E+00	0.00E+00	2.87E-07	5.16E-08	3.28E-07	5.05E-08	4.81E-08	7.65E-07	8.13E-07	2.98E-07	4.06E-07	1.52E-07	8.13E-07	2.98E-07
613	490943.5	3860332	1.68E-03	1.64E-03	1.61E-03	5.80E-07	1.75E-06	1.01E-06	9.90E-07	8.97E-07	4.09E-07	4.04E-07	0.00E+00	0.00E+00	1.87E-07	3.36E-08	2.13E-07	3.29E-08	3.13E-08	4.98E-07	5.29E-07	1.94E-07	2.64E-07	9.87E-08	5.29E-07	1.94E-07
614	490993.5	3860332	1.81E-03	1.77E-03	1.74E-03	6.26E-07	1.89E-06	1.09E-06	1.07E-06	9.69E-07	4.42E-07	4.36E-07	0.00E+00	0.00E+00	2.01E-07	3.63E-08	2.30E-07	3.55E-08	3.38E-08	5.37E-07	5.71E-07	2.09E-07	2.85E-07	1.07E-07	5.71E-07	2.09E-07
615	491043.5	3860332	1.97E-03	1.93E-03	1.90E-03	6.83E-07	2.06E-06	1.19E-06	1.16E-06	1.06E-06	4.82E-07	4.75E-07	0.00E+00	0.00E+00	2.20E-07	3.95E-08	2.51E-07	3.87E-08	3.68E-08	5.86E-07	6.23E-07	2.28E-07	3.11E-07	1.16E-07	6.23E-07	2.28E-07
616	491093.5	3860332	2.18E-03	2.12E-03	2.10E-03	7.54E-07	2.28E-06	1.32E-06	1.29E-06	1.17E-06	5.32E-07	5.25E-07	0.00E+00	0.00E+00	2.42E-07	4.36E-08	2.77E-07	4.27E-08	4.06E-08	6.46E-07	6.87E-07	2.52E-07	3.43E-07	1.28E-07	6.87E-07	2.52E-07
617	490086.7	3859935	1.66E-03	1.62E-03	1.60E-03	5.74E-07	1.73E-06	1.00E-06	9.79E-07	8.87E-07	4.05E-07	3.99E-07	0.00E+00	0.00E+00	1.84E-07	3.32E-08	2.11E-07	3.25E-08	3.09E-08	4.92E-07	5.23E-07	1.92E-07	2.61E-07	9.76E-08	5.23E-07	1.92E-07
618	490136.7	3859935	1.76E-03	1.72E-03	1.70E-03	6.10E-07	1.84E-06	1.07E-06	1.04E-06	9.44E-07	4.31E-07	4.25E-07	0.00E+00	0.00E+00	1.96E-07	3.53E-08	2.24E-07	3.46E-08	3.29E-08	5.23E-07	5.57E-07	2.04E-07	2.78E-07	1.04E-07	5.57E-07	2.04E-07
619	490186.7	3859935	1.88E-03	1.84E-03	1.81E-03	6.52E-07	1.97E-06	1.14E-06	1.11E-06	1.01E-06	4.60E-07	4.54E-07	0.00E+00	0.00E+00	2.10E-07	3.77E-08	2.40E-07	3.69E-08	3.51E-08	5.59E-07	5.94E-07	2.18E-07	2.97E-07	1.11E-07	5.94E-07	2.18E-07
620	490236.7	3859935	2.02E-03	1.97E-03	1.95E-03	7.00E-07	2.11E-06	1.22E-06	1.19E-06	1.08E-06	4.94E-07	4.87E-07	0.00E+00	0.00E+00	2.25E-07	4.05E-08	2.57E-07	3.96E-08	3.77E-08	6.00E-07	6.38E-07	2.34E-07	3.18E-07	1.19E-07	6.38E-07	2.34E-07
621	490286.7	3859935	2.18E-03	2.12E-03	2.10E-03	7.54E-07	2.28E-06	1.32E-06	1.29E-06	1.17E-06	5.32E-07	5.25E-07	0.00E+00	0.00E+00	2.42E-07	4.36E-08	2.77E-07	4.27E-08	4.06E-08	6.46E-07	6.87E-07	2.52E-07	3.43E-07	1.28E-07	6.87E-07	2.52E-07
622	490336.7	3859935	2.36E-03	2.30E-03	2.27E-03	8.16E-07	2.47E-06	1.43E-06	1.39E-06	1.26E-06	5.76E-07	5.68E-07	0.00E+00	0.00E+00	2.63E-07	4.73E-08	3.00E-07	4.63E-08	4.40E-08	7.00E-07	7.44E-07	2.73E-07	3.72E-07	1.39E-07	7.44E-07	2.73E-07
623	490386.7	3859935	2.58E-03	2.52E-03	2.48E-03	8.93E-07	2.70E-06	1.56E-06	1.52E-06	1.38E-06	6.30E-07	6.21E-07	0.00E+00	0.00E+00	2.87E-07	5.17E-08	3.28E-07	5.06E-08	4.81E-08	7.65E-07	8.14E-07	2.98E-07	4.06E-07	1.52E-07	8.14E-07	2.98E-07
624	490436.7	3859935	2.84E-03	2.77E-03	2.74E-03	9.84E-07	2.97E-06	1.72E-06	1.68E-06	1.52E-06	6.94E-07	6.85E-07	0.00E+00	0.00E+00	3.16E-07	5.69E-08	3.61E-07	5.57E-08	5.30E-08	8.43E-07	8.97E-07	3.29E-07	4.48E-07	1.67E-07	8.97E-07	3.29E-07
625	490486.7	3859935	3.17E-03	3.09E-03	3.05E-03	1.10E-06	3.31E-06	1.92E-06	1.87E-06	1.70E-06	7.74E-07	7.63E-07	0.00E+00	0.00E+00	3.53E-07	6.35E-08	4.03E-07	6.21E-08	5.91E-08	9.40E-07	1.00E-06	3.67E-07	4.99E-07	1.86E-07	1.00E-06	3.67E-07
626	490536.7	3859935	3.61E-03	3.52E-03	3.48E-03	1.25E-06	3.77E-06	2.19E-06	2.13E-06	1.93E-06	8.82E-07	8.70E-07	0.00E+00	0.00E+00	4.02E-07	7.24E-08	4.59E-07	7.08E-08	6.74E-08	1.07E-06	1.14E-06	4.18E-07	5.69E-07	2.13E-07	1.14E-06	4.18E-07
627	490586.7	3859935	4.20E-03	4.10E-03	4.05E-03	1.45E-06	4.39E-06	2.54E-06	2.48E-06	2.25E-06	1.03E-06	1.01E-06	0.00E+00	0.00E+00	4.68E-07	8.42E-08	5.35E-07	8.24E-08	7.84E-08	1.25E-06	1.33E-06	4.87E-07	6.62E-07	2.47E-07	1.33E-06	4.87E-07
628	490636.7	3859935	4.97E-03	4.85E-03	4.78E-03	1.72E-06	5.19E-06	3.00E-06	2.93E-06	2.66E-06	1.21E-06	1.20E-06	0.00E+00	0.00E+00	5.53E-07	9.95E-08	6.31E-07	9.74E-08	9.27E-08	1.47E-06	1.57E-06	5.75E-07	7.82E-07	2.92E-07	1.57E-06	5.75E-07
629	490686.7	3859935	6.14E-03	5.99E-03	5.91E-03	2.12E-06	6.41E-06	3.71E-06	3.62E-06	3.28E-06	1.50E-06	1.48E-06	0.00E+00	0.00E+00	6.83E-07	1.23E-07	7.80E-07	1.20E-07	1.14E-07	1.82E-06	1.94E-06	7.10E-07	9.67E-07	3.61E-07	1.94E-06	7.10E-07
630	490736.7	3859935	7.81E-03	7.62E-03	7.52E-03	2.70E-06	8.16E-06	4.72E-06	4.61E-06	4.18E-06	1.91E-06	1.88E-06	0.00E+00	0.00E+00	8.69E-07	1.56E-07	9.93E-07	1.53E-07	1.46E-07	2.32E-06	2.46E-06	9.04E-07	1.23E-06	4.60E-07	2.46E-06	9.04E-07
631	490086.7	3859985	1.45E-03	1.42E-03	1.40E-03	5.04E-07	1.52E-06	8.80E-07	8.59E-07	7.79E-07	3.55E-07	3.51E-07	0.00E+00	0.00E+00	1.62E-07	2.92E-08	1.85E-07	2.85E-08	2.71E-08	4.32E-07	4.59E-07	1.68E-07	2.29E-07	8.57E-08	4.59E-07	1.68E-07
632	490136.7	3859985	1.53E-03	1.50E-03	1.48E-03	5.31E-07	1.60E-06	9.27E-07	9.05E-07	8.20E-07	3.74E-07	3.69E-07	0.00E+00	0.00E+00	1.71E-07	3.07E-08	1.95E-07	3.01E-08	2.86E-08	4.55E-07	4.84E-07	1.77E-07	2.41E-07	9.02E-08	4.84E-07	1.77E-07
633	490186.7	3859985	1.62E-03	1.58E-03	1.56E-03	5.61E-07	1.70E-06	9.81E-07	9.58E-07	8.68E-07	3.96E-07	3.91E-07	0.00E+00	0.00E+00	1.81E-07	3.25E-08	2.06E-07	3.18E-08	3.03E-08	4.81E-07	5.12E-07	1.88E-07	2.55E-07	9.55E-08	5.12E-07	1.88E-07
634	490236.7	3859985	1.72E-03	1.68E-03	1.66E-03	5.97E-07	1.80E-06	1.04E-06	1.02E-06	9.22E-07	4.21E-07	4.15E-07	0.00E+00	0.00E+00	1.92E-07	3.45E-08	2.19E-07	3.38E-08	3.22E-08	5.11E-07	5.44E-07	1.99E-07	2.71E-07	1.01E-07	5.44E-07	1.99E-07
635	490286.7	3859985	1.83E-03	1.79E-03	1.76E-03	6.34E-07	1.92E-06	1.11E-06	1.08E-06	9.81E-07	4.48E-07	4.42E-07	0.00E+00	0.00E+00	2.04E-07	3.67E-08	2.33E-07	3.59E-08	3.42E-08	5.44E-07	5.79E-07	2.12E-07	2.89E-07	1.08E-07	5.79E-07	2.12E-07
636	490336.7	3859985	1.96E-03	1.91E-03	1.88E-03	6.78E-07	2.05E-06	1.18E-06	1.16E-06	1.05E-06	4.78E-07	4.72E-07	0.00E+00	0.00E+00	2.18E-07	3.92E-08	2.49E-07	3.84E-08	3.65E-08	5.81E-07	6.18E-07	2.27E-07	3.08E-07	1.15E-07	6.18E-07	2.27E-07
637	490386.7	3859985	2.10E-03	2.04E-03	2.02E-03	7.25E-07	2.19E-06	1.27E-06	1.24E-06	1.12E-06	5.12E-07	5.05E-07	0.00E+00	0.00E+00	2.33E-07	4.20E-08	2.66E-07	4.11E-08	3.91E-08	6.22E-07	6.61E-07	2.43E-07	3.30E-07	1.23E-07	6.61E-07	2.43E-07
638	490436.7	3859985	2.26E-03	2.21E-03	2.18E-03	7.83E-07	2.36E-06	1.37E-06	1.33E-06	1.21E-06	5.52E-07	5.45E-07	0.00E+00	0.00E+00	2.52E-07	4.53E-08	2.87E-07	4.43E-08	4.22E-08	6.71E-07	7.14E-07	2.62E-07	3.56E-07	1.33E-07	7.14E-07	2.62E-07
639	490486.7	3859985	2.46E-03	2.40E-03	2.37E-03	8.52E-07	2.57E-06	1.49E-06	1.45E-06	1.32E-06	6.01E-07	5.93E-07	0.00E+00	0.00E+00	2.74E-07	4.93E-08	3.13E-07	4.82E-08	4.59E-08	7.30E-07	7.76E-07	2.85E-07	3.88E-07	1.45E-07	7.76E-07	2.85E-07
640	490536.7	3859985	2.71E-03	2.64E-03	2.61E-03	9.38E-07	2.83E-06	1.64E-06	1.60E-06	1.45E-06	6.62E-07	6.53E-07	0.00E+00	0.00E+00	3.02E-07	5.43E-08	3.45E-07	5.31E-08	5.06E-08	8.04E-07	8.55E-07	3.14E-07	4.27E-07	1.60E-07	8.55E-07	3.14E-07
641	490586.7	3859985	3.02E-03	2.95E-03	2.91E-03	1.05E-06	3.16E-06	1.83E-06	1.78E-06	1.62E-06	7.38E-07	7.28E-07	0.00E+00	0.00E+00	3.36E-07	6.06E-08	3.84E-07	5.93E-08	5.64E-08	8.97E-07	9.54E-07	3.50E-07	4.76E-07	1.78E-07	9.54E-07	3.50E-07
642	490636.7	3859985	3.42E-03	3.34E-03	3.29E-03	1.18E-06	3.57E-06	2.07E-06	2.02E-06	1.83E-06	8.35E-07	8.24E-07	0.00E+00	0.00E+00	3.81E-07	6.85E-08	4.35E-07	6.71E-08	6.38E-08	1.01E-06	1.08E-06	3.96E-07	5.39E-07	2.01E-07	1.08E-06	3.96E-07
643	490686.7	3859985	3.95E-03	3.86E-03	3.81E-03	1.37E-06	4.13E-06	2.39E-06	2.33E-06	2.12E-06	9.66E-07	9.53E-07	0.00E+00	0.00E+00	4.40E-07	7.93E-08	5.03E-07	7.76E-08	7.38E-08	1.17E-06	1.25E-06	4.58E-07	6.23E-07	2.33E-07	1.25E-06	4.58E-07
644	490736.7	3859985	4.62E-03	4.50E-03	4.44E-03	1.60E-06	4.82E-06	2.79E-06	2.73E-06	2.47E-06	1.13E-06	1.11E-06	0.00E+00	0.00E+00	5.14E-07	9.25E-08	5.87E-07	9.05E-08	8.61E-08	1.37E-06	1.46E-06	5.34E-07	7.27E-07	2.72E-07	1.46E-06	5.34E-07
645	490786.7	3859985	5.54E-03	5.40E-03	5.33E-03	1.92E-06	5.79E-06	3.35E-06	3.27E-06	2.96E-06	1.35E-06	1.33E-06	0.00E+00	0.00E+00	6.16E-07	1.11E-07	7.04E-07	1.09E-07	1.03E-07	1.64E-06	1.75E-06	6.41E-07	8.72E-07	3.26E-07	1.75E-06	6.41E-07
646	490086.7	3860035	1.30E-03	1.27E-03	1.25E-03	4.50E-07	1.36E-06	7.87E-07	7.68E-07	6.96E-07	3.18E-07	3.13E-07	0.00E+00	0.00E+00	1.45E-07	2.61E-08	1.65E-07	2.55E-08	2.43E-08	3.86E-07	4.10E-07	1.51E-07	2.05E-07	7.65E-08	4.10E-07	1.51E-07
647	490136.7	3860035	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.24E-07	8.04E-07	7.29E-07	3.32E-07	3.28E-07	0.00E+00	0.00E+00	1.52E-07	2.73E-08	1.73E-07	2.67E-08	2.54E-08	4.04E-07	4.30E-07	1.58E-07	2.14E-07	8.01E-08	4.30E-07	1.58E-07
648	490186.7	3860035	1.43E-03	1.39E-03	1.38E-03	4.95E-07	1.49E-06	8.65E-07	8.44E-07	7.65E-07	3.49E-07	3.44E-07	0.00E+00	0.00E+00	1.59E-07	2.86E-08	1.82E-07	2.80E-08	2.67E-08	4.24E-07	4.51E-07	1.65E-07	2.25E-07	8.41E-08	4.51E-07	1.65E-07
649	490236.7	3860035	1.50E-03	1.47E-03	1.45E-03	5.20E-07	1.57E-06	9.10E-07	8.88E-07	8.05E-07	3.67E-07	3.62E-07	0.00E+00	0.00E+00	1.67E-07	3.01E-08	1.91E-07	2.95E-08	2.81E-08	4.46E-07	4.75E-07	1.74E-07	2.37E-07	8.85E-08	4.75E-07	1.74E-07
650	490286.7	3860035	1.58E-03	1.55E-03	1.53E-03	5.48E-07	1.66E-06	9.59E-07	9.35E-07	8.48E-07	3.87E-07	3.82E-07	0.00E+00	0.00E+00	1.76E-07	3.18E-08	2.01E-07	3.11E-08	2.96E-08	4.70E-07	5.00E-07	1.83E-07	2.50E-07	9.33E-08	5.00E-07	1.83E-07
651	490336.7	3860035	1.68E-03	1.64E-03	1.62E-03	5.81E-07	1.75E-06	1.02E-06	9.91E-07	8.98E-07	4.10E-07	4.04E-07	0.00E+00	0.00E+00	1.87E-07	3.36E-08	2.13E-07	3.29E-08	3.13E-08	4.98E-07	5.30E-07	1.94E-07	2.64E-07	9.88E-08	5.30E-07	1.94E-07
652	490386.7	3860035	1.78E-03	1.73E-03	1.71E-03	6.15E-07	1.86E-06	1.07E-06	1.05E-06	9.51E-07	4.34E-07	4.28E-07	0.00E+00	0.00E+00	1.98E-07	3.56E-08	2.26E-07	3.48E-08	3.31E-08	5.27E-07	5.61E-07	2.06E-07	2.80E-07	1.05E-07	5.61E-07	2.06E-07
653	490436.7	3860035	1.89E-03	1.84E-03	1.82E-03	6.54E-07	1.98E-06	1.14E-06	1.12E-06	1.01E-06	4.62E-07	4.56E-07	0.00E+00	0.00E+00	2.10E-07	3.79E-08	2.40E-07	3.71E-08	3.53E-08	5.61E-07	5.97E-07	2.19E-07	2.98E-07	1.11E-07	5.97E-07	2.19E-07
654	490486.7	3860035	2.02E-03	1.98E-03	1.95E-03	7.01E-07	2.12E-06	1.22E-06	1.20E-06	1.08E-06	4.94E-07	4.88E-07	0.00E+00	0.00E+00	2.25E-07	4.06E-08	2.57E-07	3.97E-08	3.78E-08	6.01E-07	6.39E-07	2.34E-07	3.19E-07	1.19E-07	6.39E-07	2.34E-07
655	490536.7	3860035	2.19E-03	2.13E-03	2.10E-03	7.57E-07	2.28E-06	1.32E-06	1.29E-06	1.17E-06	5.34E-07	5.27E-07	0.00E+00	0.00E+00	2.43E-07	4.38E-08	2.78E-07	4.29E-08	4.08E-08	6.49E-07	6.90E-07	2.53E-07	3.44E-07	1.29E-07	6.90E-07	2.53E-07
656	490586.7	3860035	2.38E-03	2.32E-03	2.29E-03	8.22E-07	2.48E-06	1.44E-06	1.40E-06	1.27E-06	5.80E-07	5.73E-07	0.00E+00	0.00E+00	2.64E-07	4.76E-08	3.02E-07	4.66E-08	4.43E-08	7.05E-07	7.50E-07	2.75E-07	3.74E-07	1.40E-07	7.50E-07	2.75E-07
657	490636.7	3860035	2.60E-03	2.53E-03	2.50E-03	8.98E-07	2.71E-06	1.57E-06	1.53E-06	1.39E-06	6.34E-07	6.25E-07	0.00E+00	0.00E+00	2.89E-07	5.20E-08	3.30E-07	5.09E-08	4.84E-08	7.70E-07	8.19E-07	3.00E-07	4.09E-07	1.53E-07	8.19E-07	3.00E-07
658	490686.7	3860035	2.88E-03	2.81E-03	2.78E-03	9.98E-07	3.01E-06	1.75E-06	1.70E-06	1.54E-06	7.04E-07	6.95E-07	0.00E+00	0.00E+00	3.21E-07	5.78E-08	3.67E-07	5.66E-08	5.38E-08	8.56E-07	9.10E-07	3.34E-07	4.54E-07	1.70E-07	9.10E-07	3.34E-07
659	490736.7	3860035	3.27E-03	3.19E-03	3.15E-03	1.13E-06	3.42E-06	1.98E-06	1.93E-06	1.75E-06	7.98E-07	7.88E-07	0.00E+00	0.00E+00	3.64E-07	6.55E-08	4.16E-07	6.41E-08	6.10E-08	9.70E-07	1.03E-06	3.78E-07	5.15E-07	1.92E-07	1.03E-06	3.78E-07
660	490786.7	3860035	3.72E-03	3.63E-03	3.58E-03	1.29E-06	3.89E-06	2.25E-06	2.20E-06	1.99E-06	9.08E-07	8.96E-07	0.00E+00	0.00E+00	4.14E-07	7.45E-08	4.73E-07	7.29E-08	6.94E-08	1.10E-06	1.17E-06	4.30E-07	5.86E-07	2.19E-07	1.17E-06	4.30E-07
661	490836.7	3860035	4.31E-03	4.21E-03	4.15E-03	1.49E-06	4.51E-06	2.61E-06	2.55E-06	2.31E-06	1.05E-06	1.04E-06	0.00E+00	0.00E+00	4.80E-07	8.64E-08	5.48E-07	8.46E-08	8.05E-08	1.28E-06	1.36E-06	4.99E-07	6.79E-07	2.54E-07	1.36E-06	4.99E-07
662	490086.7	3860085	1.18E-03	1.15E-03	1.14E-03	4.09E-07	1.23E-06	7.15E-07	6.98E-07	6.32E-07	2.89E-07	2.85E-07	0.00E+00	0.00E+00	1.32E-07	2.37E-08	1.50E-07	2.32E-08	2.20E-08	3.51E-07	3.73E-07	1.37E-07	1.86E-07	6.96E-08	3.73E-07	1.37E-07
663	490136.7	3860085	1.23E-03	1.20E-03	1.18E-03	4.25E-07	1.28E-06	7.42E-07	7.24E-07	6.57E-07	3.00E-07	2.96E-07	0.00E+00	0.00E+00	1.37E-07	2.46E-08	1.56E-07	2.41E-08	2.29E-08	3.64E-07	3.87E-07	1.42E-07	1.93E-07	7.22E-08	3.87E-07	1.42E-07
664	490186.7	3860085	1.28E-03	1.25E-03	1.24E-03	4.44E-07	1.34E-06	7.76E-07	7.58E-07	6.87E-07	3.13E-07	3.09E-07	0.00E+00	0.00E+00	1.43E-07	2.57E-08	1.63E-07	2.52E-08	2.39E-08	3.81E-07	4.05E-07	1.49E-07	2.02E-07	7.55E-08	4.05E-07	1.49E-07
665	490236.7	3860085	1.34E-03	1.31E-03	1.29E-03	4.64E-07	1.40E-06	8.12E-07	7.92E-07	7.18E-07	3.28E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.69E-08	1.71E-07	2.63E-08	2.50E-08	3.98E-07	4.23E-07	1.55E-07	2.11E-07	7.90E-08	4.23E-07	1.55E-07
666	490286.7	3860085	1.40E-03	1.37E-03	1.35E-03	4.86E-07	1.47E-06	8.50E-07	8.29E-07	7.52E-07	3.43E-07	3.38E-07	0.00E+00	0.00E+00	1.56E-07	2.81E-08	1.79E-07	2.75E-08	2.62E-08	4.17E-07	4.43E-07	1.63E-07	2.21E-07	8.27E-08	4.43E-07	1.63E-07
667	490336.7	3860085	1.47E-03	1.44E-03	1.42E-03	5.10E-07	1.54E-06	8.91E-07	8.69E-07	7.88E-07	3.60E-07	3.55E-07	0.00E+00	0.00E+00	1.64E-07	2.95E-08	1.87E-07	2.89E-08	2.75E-08	4.37E-07	4.65E-07	1.70E-07	2.32E-07	8.67E-08	4.65E-07	1.70E-07
668	490386.7	3860085	1.55E-03	1.51E-03	1.49E-03	5.36E-07	1.62E-06	9.37E-07	9.14E-07	8.29E-07	3.78E-07	3.73E-07	0.00E+00	0.00E+00	1.72E-07	3.10E-08	1.97E-07	3.04E-08	2.89E-08	4.60E-07	4.89E-07	1.79E-07	2.44E-07	9.11E-08	4.89E-07	1.79E-07
669	490436.7	3860085	1.63E-03	1.59E-03	1.57E-03	5.65E-07	1.71E-06	9.88E-07	9.64E-07	8.74E-07	3.99E-07	3.94E-07	0.00E+00	0.00E+00	1.82E-07	3.27E-08	2.08E-07	3.20E-08	3.05E-08	4.85E-07	5.15E-07	1.89E-07	2.57E-07	9.61E-08	5.15E-07	1.89E-07
670	490486.7	3860085	1.73E-03	1.69E-03	1.66E-03	5.98E-07	1.81E-06	1.05E-06	1.02E-06	9.25E-07	4.22E-07	4.16E-07	0.00E+00	0.00E+00	1.92E-07	3.46E-08	2.20E-07	3.39E-08	3.22E-08	5.13E-07	5.45E-07	2.00E-07	2.72E-07	1.02E-07	5.45E-07	2.00E-07
671	490536.7	3860085	1.84E-03	1.80E-03	1.77E-03	6.38E-07	1.92E-06	1.11E-06	1.09E-06	9.86E-07	4.50E-07	4.44E-07	0.00E+00	0.00E+00	2.05E-07	3.69E-08	2.34E-07	3.61E-08	3.44E-08	5.47E-07	5.81E-07	2.13E-07	2.90E-07	1.08E-07	5.81E-07	2.13E-07
672	490586.7	3860085	1.97E-03	1.93E-03	1.90E-03	6.83E-07	2.06E-06	1.19E-06	1.17E-06	1.06E-06	4.82E-07	4.76E-07	0.00E+00	0.00E+00	2.20E-07	3.96E-08	2.51E-07	3.87E-08	3.68E-08	5.86E-07	6.23E-07	2.28E-07	3.11E-07	1.16E-07	6.23E-07	2.28E-07
673	490636.7	3860085	2.12E-03	2.07E-03	2.04E-03	7.35E-07	2.22E-06	1.29E-06	1.25E-06	1.14E-06	5.19E-07	5.12E-07	0.00E+00	0.00E+00	2.36E-07	4.26E-08	2.70E-07	4.16E-08	3.96E-08	6.30E-07	6.70E-07	2.46E-07	3.35E-07	1.25E-07	6.70E-07	2.46E-07
674	490686.7	3860085	2.31E-03	2.25E-03	2.22E-03	7.99E-07	2.41E-06	1.40E-06	1.36E-06	1.24E-06	5.64E-07	5.56E-07	0.00E+00	0.00E+00	2.57E-07	4.63E-08	2.94E-07	4.53E-08	4.31E-08	6.85E-07	7.29E-07	2.67E-07	3.64E-07	1.36E-07	7.29E-07	2.67E-07
675	490736.7	3860085	2.54E-03	2.48E-03	2.44E-03	8.78E-07	2.65E-06	1.54E-06	1.50E-06	1.36E-06	6.20E-07	6.12E-07	0.00E+00	0.00E+00	2.82E-07	5.09E-08	3.23E-07	4.98E-08	4.74E-08	7.53E-07	8.01E-07	2.94E-07	4.00E-07	1.49E-07	8.01E-07	2.94E-07
676	490786.7	3860085	2.82E-03	2.75E-03	2.71E-03	9.76E-07	2.95E-06	1.71E-06	1.66E-06	1.51E-06	6.88E-07	6.79E-07	0.00E+00	0.00E+00	3.14E-07	5.65E-08	3.59E-07	5.53E-08	5.26E-08	8.37E-07	8.90E-07	3.26E-07	4.44E-07	1.66E-07	8.90E-07	3.26E-07
677	490836.7	3860085	3.16E-03	3.08E-03	3.04E-03	1.09E-06	3.30E-06	1.91E-06	1.86E-06	1.69E-06	7.71E-07	7.61E-07	0.00E+00	0.00E+00	3.51E-07	6.33E-08	4.01E-07	6.19E-08	5.89E-08	9.37E-07	9.96E-07	3.65E-07	4.97E-07	1.86E-07	9.96E-07	3.65E-07
678	490086.7	3860135	1.08E-03	1.05E-03	1.04E-03	3.72E-07	1.12E-06	6.51E-07	6.35E-07	5.76E-07	2.63E-07	2.59E-07	0.00E+00	0.00E+00	1.20E-07	2.16E-08	1.37E-07	2.11E-08	2.01E-08	3.19E-07	3.39E-07	1.24E-07	1.69E-07	6.33E-08	3.39E-07	1.24E-07
679	490136.7	3860135	1.12E-03	1.09E-03	1.08E-03	3.87E-07	1.17E-06	6.76E-07	6.60E-07	5.98E-07	2.73E-07	2.69E-07	0.00E+00	0.00E+00	1.24E-07	2.24E-08	1.42E-07	2.19E-08	2.08E-08	3.32E-07	3.53E-07	1.29E-07	1.76E-07	6.58E-08	3.53E-07	1.29E-07
680	490186.7	3860135	1.16E-03	1.14E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	6.87E-07	6.23E-07	2.84E-07	2.80E-07	0.00E+00	0.00E+00	1.30E-07	2.33E-08	1.48E-07	2.28E-08	2.17E-08	3.45E-07	3.67E-07	1.35E-07	1.83E-07	6.85E-08	3.67E-07	1.35E-07
681	490236.7	3860135	1.21E-03	1.18E-03	1.17E-03	4.19E-07	1.27E-06	7.33E-07	7.15E-07	6.48E-07	2.96E-07	2.92E-07	0.00E+00	0.00E+00	1.35E-07	2.43E-08	1.54E-07	2.37E-08	2.26E-08	3.59E-07	3.82E-07	1.40E-07	1.91E-07	7.13E-08	3.82E-07	1.40E-07
682	490286.7	3860135	1.26E-03	1.23E-03	1.22E-03	4.37E-07	1.32E-06	7.64E-07	7.46E-07	6.76E-07	3.09E-07	3.04E-07	0.00E+00	0.00E+00	1.41E-07	2.53E-08	1.61E-07	2.48E-08	2.36E-08	3.75E-07	3.99E-07	1.46E-07	1.99E-07	7.44E-08	3.99E-07	1.46E-07
683	490336.7	3860135	1.32E-03	1.29E-03	1.27E-03	4.56E-07	1.38E-06	7.98E-07	7.78E-07	7.06E-07	3.22E-07	3.18E-07	0.00E+00	0.00E+00	1.47E-07	2.64E-08	1.68E-07	2.59E-08	2.46E-08	3.91E-07	4.16E-07	1.53E-07	2.08E-07	7.76E-08	4.16E-07	1.53E-07
684	490386.7	3860135	1.38E-03	1.35E-03	1.33E-03	4.77E-07	1.44E-06	8.34E-07	8.14E-07	7.38E-07	3.37E-07	3.32E-07	0.00E+00	0.00E+00	1.53E-07	2.76E-08	1.75E-07	2.70E-08	2.57E-08	4.09E-07	4.35E-07	1.60E-07	2.17E-07	8.12E-08	4.35E-07	1.60E-07
685	490436.7	3860135	1.44E-03	1.41E-03	1.39E-03	5.00E-07	1.51E-06	8.73E-07	8.52E-07	7.73E-07	3.52E-07	3.48E-07	0.00E+00	0.00E+00	1.61E-07	2.89E-08	1.84E-07	2.83E-08	2.69E-08	4.28E-07	4.56E-07	1.67E-07	2.27E-07	8.50E-08	4.56E-07	1.67E-07
686	490486.7	3860135	1.52E-03	1.48E-03	1.46E-03	5.25E-07	1.59E-06	9.18E-07	8.96E-07	8.12E-07	3.71E-07	3.66E-07	0.00E+00	0.00E+00	1.69E-07	3.04E-08	1.93E-07	2.98E-08	2.83E-08	4.50E-07	4.79E-07	1.76E-07	2.39E-07	8.93E-08	4.79E-07	1.76E-07

687	490536.7	3860135	1.60E-03	1.56E-03	1.54E-03	5.55E-07	1.68E-06	9.70E-07	9.47E-07	8.58E-07	3.92E-07	3.86E-07	0.00E+00	0.00E+00	1.78E-07	3.21E-08	2.04E-07	3.14E-08	2.99E-08	4.76E-07	5.06E-07	1.86E-07	2.53E-07	9.44E-08	5.06E-07	1.86E-07
688	490586.7	3860135	1.70E-03	1.66E-03	1.64E-03	5.88E-07	1.78E-06	1.03E-06	1.00E-06	9.10E-07	4.15E-07	4.10E-07	0.00E+00	0.00E+00	1.89E-07	3.41E-08	2.16E-07	3.33E-08	3.17E-08	5.04E-07	5.36E-07	1.97E-07	2.68E-07	1.00E-07	5.36E-07	1.97E-07
689	490636.7	3860135	1.81E-03	1.77E-03	1.74E-03	6.27E-07	1.89E-06	1.10E-06	1.07E-06	9.69E-07	4.42E-07	4.36E-07	0.00E+00	0.00E+00	2.02E-07	3.63E-08	2.30E-07	3.55E-08	3.38E-08	5.37E-07	5.71E-07	2.10E-07	2.85E-07	1.07E-07	5.71E-07	2.10E-07
690	490686.7	3860135	1.94E-03	1.89E-03	1.87E-03	6.71E-07	2.03E-06	1.17E-06	1.14E-06	1.04E-06	4.73E-07	4.67E-07	0.00E+00	0.00E+00	2.16E-07	3.89E-08	2.47E-07	3.80E-08	3.62E-08	5.75E-07	6.12E-07	2.24E-07	3.05E-07	1.14E-07	6.12E-07	2.24E-07
691	490736.7	3860135	2.09E-03	2.04E-03	2.02E-03	7.25E-07	2.19E-06	1.27E-06	1.24E-06	1.12E-06	5.11E-07	5.04E-07	0.00E+00	0.00E+00	2.33E-07	4.19E-08	2.66E-07	4.10E-08	3.91E-08	6.21E-07	6.61E-07	2.42E-07	3.30E-07	1.23E-07	6.61E-07	2.42E-07
692	490786.7	3860135	2.28E-03	2.23E-03	2.20E-03	7.91E-07	2.39E-06	1.38E-06	1.35E-06	1.22E-06	5.58E-07	5.51E-07	0.00E+00	0.00E+00	2.54E-07	4.58E-08	2.91E-07	4.48E-08	4.26E-08	6.78E-07	7.21E-07	2.64E-07	3.60E-07	1.34E-07	7.21E-07	2.64E-07
693	490836.7	3860135	2.51E-03	2.45E-03	2.41E-03	8.68E-07	2.62E-06	1.52E-06	1.48E-06	1.34E-06	6.12E-07	6.04E-07	0.00E+00	0.00E+00	2.79E-07	5.02E-08	3.19E-07	4.92E-08	4.68E-08	7.44E-07	7.91E-07	2.90E-07	3.95E-07	1.48E-07	7.91E-07	2.90E-07
694	490086.7	3860185	9.92E-04	9.68E-04	9.55E-04	3.43E-07	1.04E-06	6.00E-07	5.85E-07	5.31E-07	2.42E-07	2.39E-07	0.00E+00	0.00E+00	1.10E-07	1.99E-08	1.26E-07	1.94E-08	1.85E-08	2.94E-07	3.13E-07	1.15E-07	1.56E-07	5.84E-08	3.13E-07	1.15E-07
695	490136.7	3860185	1.03E-03	1.00E-03	9.90E-04	3.56E-07	1.07E-06	6.22E-07	6.07E-07	5.50E-07	2.51E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.06E-08	1.31E-07	2.02E-08	1.92E-08	3.05E-07	3.24E-07	1.19E-07	1.62E-07	6.05E-08	3.24E-07	1.19E-07
696	490186.7	3860185	1.07E-03	1.04E-03	1.03E-03	3.69E-07	1.11E-06	6.45E-07	6.30E-07	5.71E-07	2.60E-07	2.57E-07	0.00E+00	0.00E+00	1.19E-07	2.14E-08	1.36E-07	2.09E-08	1.99E-08	3.17E-07	3.37E-07	1.23E-07	1.68E-07	6.28E-08	3.37E-07	1.23E-07
697	490236.7	3860185	1.11E-03	1.08E-03	1.07E-03	3.83E-07	1.16E-06	6.69E-07	6.53E-07	5.92E-07	2.70E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.22E-08	1.41E-07	2.17E-08	2.06E-08	3.28E-07	3.49E-07	1.28E-07	1.74E-07	6.51E-08	3.49E-07	1.28E-07
698	490286.7	3860185	1.15E-03	1.12E-03	1.11E-03	3.98E-07	1.20E-06	6.96E-07	6.79E-07	6.15E-07	2.81E-07	2.77E-07	0.00E+00	0.00E+00	1.28E-07	2.30E-08	1.46E-07	2.25E-08	2.15E-08	3.41E-07	3.63E-07	1.33E-07	1.81E-07	6.77E-08	3.63E-07	1.33E-07
699	490336.7	3860185	1.20E-03	1.17E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.06E-07	6.40E-07	2.92E-07	2.88E-07	0.00E+00	0.00E+00	1.33E-07	2.40E-08	1.52E-07	2.34E-08	2.23E-08	3.55E-07	3.77E-07	1.38E-07	1.88E-07	7.04E-08	3.77E-07	1.38E-07
700	490386.7	3860185	1.25E-03	1.21E-03	1.20E-03	4.31E-07	1.30E-06	7.53E-07	7.35E-07	6.66E-07	3.04E-07	3.00E-07	0.00E+00	0.00E+00	1.39E-07	2.50E-08	1.58E-07	2.44E-08	2.32E-08	3.70E-07	3.93E-07	1.44E-07	1.96E-07	7.33E-08	3.93E-07	1.44E-07
701	490436.7	3860185	1.30E-03	1.27E-03	1.25E-03	4.50E-07	1.36E-06	7.86E-07	7.67E-07	6.95E-07	3.17E-07	3.13E-07	0.00E+00	0.00E+00	1.45E-07	2.60E-08	1.65E-07	2.55E-08	2.42E-08	3.86E-07	4.10E-07	1.50E-07	2.05E-07	7.65E-08	4.10E-07	1.50E-07
702	490486.7	3860185	1.36E-03	1.33E-03	1.31E-03	4.70E-07	1.42E-06	8.22E-07	8.02E-07	7.27E-07	3.32E-07	3.27E-07	0.00E+00	0.00E+00	1.51E-07	2.72E-08	1.73E-07	2.66E-08	2.53E-08	4.03E-07	4.29E-07	1.57E-07	2.14E-07	8.00E-08	4.29E-07	1.57E-07
703	490536.7	3860185	1.43E-03	1.39E-03	1.37E-03	4.94E-07	1.49E-06	8.63E-07	8.42E-07	7.63E-07	3.48E-07	3.44E-07	0.00E+00	0.00E+00	1.59E-07	2.86E-08	1.81E-07	2.80E-08	2.66E-08	4.23E-07	4.50E-07	1.65E-07	2.25E-07	8.39E-08	4.50E-07	1.65E-07
704	490586.7	3860185	1.50E-03	1.47E-03	1.45E-03	5.20E-07	1.57E-06	9.09E-07	8.87E-07	8.04E-07	3.67E-07	3.62E-07	0.00E+00	0.00E+00	1.67E-07	3.01E-08	1.91E-07	2.95E-08	2.80E-08	4.46E-07	4.74E-07	1.74E-07	2.37E-07	8.85E-08	4.74E-07	1.74E-07
705	490636.7	3860185	1.59E-03	1.55E-03	1.53E-03	5.49E-07	1.66E-06	9.60E-07	9.37E-07	8.50E-07	3.88E-07	3.83E-07	0.00E+00	0.00E+00	1.77E-07	3.18E-08	2.02E-07	3.11E-08	2.96E-08	4.71E-07	5.01E-07	1.84E-07	2.50E-07	9.34E-08	5.01E-07	1.84E-07
706	490686.7	3860185	1.69E-03	1.65E-03	1.62E-03	5.84E-07	1.76E-06	1.02E-06	9.96E-07	9.02E-07	4.12E-07	4.06E-07	0.00E+00	0.00E+00	1.88E-07	3.38E-08	2.14E-07	3.31E-08	3.15E-08	5.00E-07	5.32E-07	1.95E-07	2.66E-07	9.93E-08	5.32E-07	1.95E-07
707	490736.7	3860185	1.80E-03	1.75E-03	1.73E-03	6.22E-07	1.88E-06	1.09E-06	1.06E-06	9.62E-07	4.39E-07	4.33E-07	0.00E+00	0.00E+00	2.00E-07	3.60E-08	2.29E-07	3.53E-08	3.35E-08	5.34E-07	5.67E-07	2.08E-07	2.83E-07	1.06E-07	5.67E-07	2.08E-07
708	490786.7	3860185	1.93E-03	1.89E-03	1.86E-03	6.70E-07	2.02E-06	1.17E-06	1.14E-06	1.04E-06	4.72E-07	4.66E-07	0.00E+00	0.00E+00	2.15E-07	3.88E-08	2.46E-07	3.79E-08	3.61E-08	5.74E-07	6.11E-07	2.24E-07	3.05E-07	1.14E-07	6.11E-07	2.24E-07
709	490836.7	3860185	2.10E-03	2.05E-03	2.02E-03	7.26E-07	2.19E-06	1.27E-06	1.24E-06	1.12E-06	5.12E-07	5.05E-07	0.00E+00	0.00E+00	2.33E-07	4.20E-08	2.67E-07	4.11E-08	3.91E-08	6.22E-07	6.62E-07	2.43E-07	3.30E-07	1.23E-07	6.62E-07	2.43E-07
710	490086.7	3860235	9.23E-04	9.00E-04	8.88E-04	3.19E-07	9.64E-07	5.58E-07	5.45E-07	4.94E-07	2.25E-07	2.22E-07	0.00E+00	0.00E+00	1.03E-07	1.85E-08	1.17E-07	1.81E-08	1.72E-08	2.74E-07	2.91E-07	1.07E-07	1.45E-07	5.43E-08	2.91E-07	1.07E-07
711	490136.7	3860235	9.53E-04	9.30E-04	9.18E-04	3.30E-07	9.96E-07	5.77E-07	5.63E-07	5.10E-07	2.33E-07	2.30E-07	0.00E+00	0.00E+00	1.06E-07	1.91E-08	1.21E-07	1.87E-08	1.78E-08	2.83E-07	3.01E-07	1.10E-07	1.50E-07	5.61E-08	3.01E-07	1.10E-07
712	490186.7	3860235	9.86E-04	9.62E-04	9.50E-04	3.41E-07	1.03E-06	5.97E-07	5.82E-07	5.28E-07	2.41E-07	2.38E-07	0.00E+00	0.00E+00	1.10E-07	1.98E-08	1.25E-07	1.93E-08	1.84E-08	2.93E-07	3.11E-07	1.14E-07	1.55E-07	5.81E-08	3.11E-07	1.14E-07
713	490236.7	3860235	1.02E-03	9.96E-04	9.83E-04	3.53E-07	1.07E-06	6.18E-07	6.03E-07	5.46E-07	2.49E-07	2.46E-07	0.00E+00	0.00E+00	1.14E-07	2.05E-08	1.30E-07	2.00E-08	1.91E-08	3.03E-07	3.22E-07	1.18E-07	1.61E-07	6.01E-08	3.22E-07	1.18E-07
714	490286.7	3860235	1.06E-03	1.03E-03	1.02E-03	3.66E-07	1.11E-06	6.40E-07	6.24E-07	5.66E-07	2.58E-07	2.55E-07	0.00E+00	0.00E+00	1.18E-07	2.12E-08	1.34E-07	2.07E-08	1.97E-08	3.14E-07	3.34E-07	1.22E-07	1.67E-07	6.23E-08	3.34E-07	1.22E-07
715	490336.7	3860235	1.10E-03	1.07E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.48E-07	5.87E-07	2.68E-07	2.64E-07	0.00E+00	0.00E+00	1.22E-07	2.20E-08	1.39E-07	2.15E-08	2.05E-08	3.26E-07	3.46E-07	1.27E-07	1.73E-07	6.46E-08	3.46E-07	1.27E-07
716	490386.7	3860235	1.14E-03	1.11E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	6.73E-07	6.10E-07	2.78E-07	2.75E-07	0.00E+00	0.00E+00	1.27E-07	2.28E-08	1.45E-07	2.23E-08	2.13E-08	3.38E-07	3.60E-07	1.32E-07	1.79E-07	6.71E-08	3.60E-07	1.32E-07
717	490436.7	3860235	1.19E-03	1.16E-03	1.14E-03	4.10E-07	1.24E-06	7.17E-07	7.00E-07	6.34E-07	2.89E-07	2.86E-07	0.00E+00	0.00E+00	1.32E-07	2.38E-08	1.51E-07	2.32E-08	2.21E-08	3.52E-07	3.74E-07	1.37E-07	1.87E-07	6.98E-08	3.74E-07	1.37E-07
718	490486.7	3860235	1.23E-03	1.20E-03	1.19E-03	4.27E-07	1.29E-06	7.47E-07	7.29E-07	6.61E-07	3.01E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.47E-08	1.57E-07	2.42E-08	2.30E-08	3.66E-07	3.90E-07	1.43E-07	1.94E-07	7.27E-08	3.90E-07	1.43E-07
719	490536.7	3860235	1.29E-03	1.26E-03	1.24E-03	4.47E-07	1.35E-06	7.80E-07	7.62E-07	6.90E-07	3.15E-07	3.11E-07	0.00E+00	0.00E+00	1.44E-07	2.59E-08	1.64E-07	2.53E-08	2.41E-08	3.83E-07	4.07E-07	1.49E-07	2.03E-07	7.59E-08	4.07E-07	1.49E-07
720	490586.7	3860235	1.35E-03	1.32E-03	1.30E-03	4.68E-07	1.41E-06	8.18E-07	7.98E-07	7.23E-07	3.30E-07	3.26E-07	0.00E+00	0.00E+00	1.50E-07	2.71E-08	1.72E-07	2.65E-08	2.52E-08	4.01E-07	4.27E-07	1.56E-07	2.13E-07	7.96E-08	4.27E-07	1.56E-07
721	490636.7	3860235	1.42E-03	1.39E-03	1.37E-03	4.92E-07	1.49E-06	8.60E-07	8.39E-07	7.61E-07	3.47E-07	3.42E-07	0.00E+00	0.00E+00	1.58E-07	2.85E-08	1.81E-07	2.79E-08	2.65E-08	4.22E-07	4.48E-07	1.64E-07	2.24E-07	8.36E-08	4.48E-07	1.64E-07
722	490686.7	3860235	1.50E-03	1.46E-03	1.44E-03	5.19E-07	1.57E-06	9.07E-07	8.86E-07	8.03E-07	3.66E-07	3.61E-07	0.00E+00	0.00E+00	1.67E-07	3.01E-08	1.91E-07	2.94E-08	2.80E-08	4.45E-07	4.73E-07	1.74E-07	2.36E-07	8.83E-08	4.73E-07	1.74E-07
723	490736.7	3860235	1.59E-03	1.55E-03	1.53E-03	5.50E-07	1.66E-06	9.61E-07	9.38E-07	8.50E-07	3.88E-07	3.83E-07	0.00E+00	0.00E+00	1.77E-07	3.18E-08	2.02E-07	3.12E-08	2.96E-08	4.72E-07	5.02E-07	1.84E-07	2.50E-07	9.35E-08	5.02E-07	1.84E-07
724	490786.7	3860235	1.69E-03	1.65E-03	1.63E-03	5.86E-07	1.77E-06	1.02E-06	9.99E-07	9.06E-07	4.13E-07	4.08E-07	0.00E+00	0.00E+00	1.88E-07	3.39E-08	2.15E-07	3.32E-08	3.16E-08	5.02E-07	5.34E-07	1.96E-07	2.67E-07	9.96E-08	5.34E-07	1.96E-07
725	490086.7	3860285	8.64E-04	8.43E-04	8.32E-04	2.99E-07	9.03E-07	5.23E-07	5.10E-07	4.63E-07	2.11E-07	2.08E-07	0.00E+00	0.00E+00	9.62E-08	1.73E-08	1.10E-07	1.69E-08	1.61E-08	2.56E-07	2.73E-07	1.00E-07	1.36E-07	5.09E-08	2.73E-07	1.00E-07
726	490136.7	3860285	8.91E-04	8.69E-04	8.58E-04	3.08E-07	9.31E-07	5.39E-07	5.26E-07	4.77E-07	2.18E-07	2.15E-07	0.00E+00	0.00E+00	9.92E-08	1.79E-08	1.13E-07	1.75E-08	1.66E-08	2.64E-07	2.81E-07	1.03E-07	1.40E-07	5.24E-08	2.81E-07	1.03E-07
727	490186.7	3860285	9.19E-04	8.96E-04	8.84E-04	3.18E-07	9.60E-07	5.56E-07	5.42E-07	4.92E-07	2.24E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.84E-08	1.17E-07	1.80E-08	1.71E-08	2.73E-07	2.90E-07	1.06E-07	1.45E-07	5.41E-08	2.90E-07	1.06E-07
728	490236.7	3860285	9.49E-04	9.26E-04	9.14E-04	3.29E-07	9.92E-07	5.74E-07	5.60E-07	5.08E-07	2.32E-07	2.29E-07	0.00E+00	0.00E+00	1.06E-07	1.90E-08	1.21E-07	1.86E-08	1.77E-08	2.82E-07	3.00E-07	1.10E-07	1.50E-07	5.59E-08	3.00E-07	1.10E-07
729	490286.7	3860285	9.80E-04	9.57E-04	9.44E-04	3.39E-07	1.02E-06	5.93E-07	5.79E-07	5.25E-07	2.39E-07	2.36E-07	0.00E+00	0.00E+00	1.09E-07	1.96E-08	1.25E-07	1.92E-08	1.83E-08	2.91E-07	3.09E-07	1.13E-07	1.54E-07	5.77E-08	3.09E-07	1.13E-07
730	490336.7	3860285	1.01E-03	9.90E-04	9.77E-04	3.51E-07	1.06E-06	6.14E-07	5.99E-07	5.43E-07	2.48E-07	2.45E-07	0.00E+00	0.00E+00	1.13E-07	2.03E-08	1.29E-07	1.99E-08	1.89E-08	3.01E-07	3.20E-07	1.17E-07	1.60E-07	5.97E-08	3.20E-07	1.17E-07
731	490386.7	3860285	1.05E-03	1.03E-03	1.01E-03	3.64E-07	1.10E-06	6.37E-07	6.21E-07	5.63E-07	2.57E-07	2.54E-07	0.00E+00	0.00E+00	1.17E-07	2.11E-08	1.34E-07	2.06E-08	1.96E-08	3.12E-07	3.32E-07	1.22E-07	1.66E-07	6.19E-08	3.32E-07	1.22E-07
732	490436.7	3860285	1.09E-03	1.06E-03	1.05E-03	3.78E-07	1.14E-06	6.60E-07	6.44E-07	5.84E-07	2.66E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.19E-08	1.39E-07	2.14E-08	2.04E-08	3.24E-07	3.44E-07	1.26E-07	1.72E-07	6.42E-08	3.44E-07	1.26E-07
733	490486.7	3860285	1.13E-03	1.11E-03	1.09E-03	3.93E-07	1.19E-06	6.86E-07	6.70E-07	6.07E-07	2.77E-07	2.73E-07	0.00E+00	0.00E+00	1.26E-07	2.27E-08	1.44E-07	2.22E-08	2.12E-08	3.37E-07	3.58E-07	1.31E-07	1.79E-07	6.68E-08	3.58E-07	1.31E-07
734	490536.7	3860285	1.18E-03	1.15E-03	1.14E-03	4.09E-07	1.23E-06	7.14E-07	6.97E-07	6.32E-07	2.88E-07	2.85E-07	0.00E+00	0.00E+00	1.31E-07	2.37E-08	1.50E-07	2.32E-08	2.20E-08	3.50E-07	3.73E-07	1.37E-07	1.86E-07	6.95E-08	3.73E-07	1.37E-07
735	490586.7	3860285	1.23E-03	1.20E-03	1.19E-03	4.26E-07	1.29E-06	7.45E-07	7.27E-07	6.59E-07	3.01E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.47E-08	1.57E-07	2.42E-08	2.30E-08	3.66E-07	3.89E-07	1.43E-07	1.94E-07	7.25E-08	3.89E-07	1.43E-07
736	490636.7	3860285	1.29E-03	1.26E-03	1.24E-03	4.46E-07	1.35E-06	7.80E-07	7.61E-07	6.90E-07	3.15E-07	3.11E-07	0.00E+00	0.00E+00	1.44E-07	2.58E-08	1.64E-07	2.53E-08	2.41E-08	3.83E-07	4.07E-07	1.49E-07	2.03E-07	7.59E-08	4.07E-07	1.49E-07
737	490686.7	3860285	1.36E-03	1.32E-03	1.31E-03	4.69E-07	1.42E-06	8.20E-07	8.00E-07	7.25E-07	3.31E-07	3.27E-07	0.00E+00	0.00E+00	1.51E-07	2.72E-08	1.72E-07	2.66E-08	2.53E-08	4.02E-07	4.28E-07	1.57E-07	2.14E-07	7.98E-08	4.28E-07	1.57E-07
738	490736.7	3860285	1.43E-03	1.39E-03	1.38E-03	4.94E-07	1.49E-06	8.64E-07	8.43E-07	7.65E-07	3.49E-07	3.44E-07	0.00E+00	0.00E+00	1.59E-07	2.86E-08	1.82E-07	2.80E-08	2.67E-08	4.24E-07	4.51E-07	1.65E-07	2.25E-07	8.41E-08	4.51E-07	1.65E-07
739	490786.7	3860285	1.51E-03	1.48E-03	1.46E-03	5.24E-07	1.58E-06	9.16E-07	8.93E-07	8.10E-07	3.70E-07	3.65E-07	0.00E+00	0.00E+00	1.68E-07	3.03E-08	1.92E-07	2.97E-08	2.82E-08	4.49E-07	4.78E-07	1.75E-07	2.38E-07	8.91E-08	4.78E-07	1.75E-07
740	490086.7	3860335	8.15E-04	7.96E-04	7.85E-04	2.82E-07	8.52E-07	4.93E-07	4.81E-07	4.36E-07	1.99E-07	1.96E-07	0.00E+00	0.00E+00	9.07E-08	1.63E-08	1.04E-07	1.60E-08	1.52E-08	2.42E-07	2.57E-07	9.44E-08	1.28E-07	4.80E-08	2.57E-07	9.44E-08
741	490136.7	3860335	8.38E-04	8.18E-04	8.07E-04	2.90E-07	8.76E-07	5.07E-07	4.95E-07	4.49E-07	2.05E-07	2.02E-07	0.00E+00	0.00E+00	9.33E-08	1.68E-08	1.07E-07	1.64E-08	1.56E-08	2.49E-07	2.65E-07	9.71E-08	1.32E-07	4.94E-08	2.65E-07	9.71E-08
742	490186.7	3860335	8.62E-04	8.41E-04	8.30E-04	2.98E-07	9.01E-07	5.22E-07	5.09E-07	4.61E-07	2.11E-07	2.08E-07	0.00E+00	0.00E+00	9.60E-08	1.73E-08	1.10E-07	1.69E-08	1.61E-08	2.56E-07	2.72E-07	9.98E-08	1.36E-07	5.08E-08	2.72E-07	9.98E-08
743	490236.7	3860335	8.89E-04	8.67E-04	8.56E-04	3.08E-07	9.29E-07	5.38E-07	5.25E-07	4.76E-07	2.17E-07	2.14E-07	0.00E+00	0.00E+00	9.89E-08	1.78E-08	1.13E-07	1.74E-08	1.66E-08	2.64E-07	2.80E-07	1.03E-07	1.40E-07	5.23E-08	2.80E-07	1.03E-07
744	490286.7	3860335	9.16E-04	8.94E-04	8.82E-04	3.17E-07	9.57E-07	5.54E-07	5.41E-07	4.90E-07	2.24E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.84E-08	1.16E-07	1.80E-08	1.71E-08	2.72E-07	2.89E-07	1.06E-07	1.44E-07	5.39E-08	2.89E-07	1.06E-07
745	490336.7	3860335	9.46E-04	9.23E-04	9.11E-04	3.27E-07	9.89E-07	5.72E-07	5.59E-07	5.06E-07	2.31E-07	2.28E-07	0.00E+00	0.00E+00	1.05E-07	1.90E-08	1.20E-07	1.86E-08	1.77E-08	2.81E-07	2.99E-07	1.09E-07	1.49E-07	5.57E-08	2.99E-07	1.09E-07
746	490386.7	3860335	9.78E-04	9.54E-04	9.42E-04	3.39E-07	1.02E-06	5.92E-07	5.77E-07	5.23E-07	2.39E-07	2.36E-07	0.00E+00	0.00E+00	1.09E-07	1.96E-08	1.24E-07	1.92E-08	1.82E-08	2.90E-07	3.09E-07	1.13E-07	1.54E-07	5.76E-08	3.09E-07	1.13E-07
747	490436.7	3860335	1.01E-03	9.88E-04	9.75E-04	3.51E-07	1.06E-06	6.13E-07	5.98E-07	5.42E-07	2.47E-07	2.44E-07	0.00E+00	0.00E+00	1.13E-07	2.03E-08	1.29E-07	1.99E-08	1.89E-08	3.01E-07	3.20E-07	1.17E-07	1.60E-07	5.96E-08	3.20E-07	1.17E-07
748	490486.7	3860335	1.05E-03	1.02E-03	1.01E-03	3.63E-07	1.10E-06	6.35E-07	6.20E-07	5.62E-07	2.56E-07	2.53E-07	0.00E+00	0.00E+00	1.17E-07	2.10E-08	1.34E-07	2.06E-08	1.96E-08	3.12E-07	3.31E-07	1.22E-07	1.65E-07	6.18E-08	3.31E-07	1.22E-07
749	490536.7	3860335	1.09E-03	1.06E-03	1.05E-03	3.78E-07	1.14E-06	6.60E-07	6.44E-07	5.84E-07	2.66E-07	2.63E-07	0.00E+00	0.00E+00	1.21E-07	2.19E-08	1.39E-07	2.14E-08	2.04E-08	3.24E-07	3.44E-07	1.26E-07	1.72E-07	6.42E-08	3.44E-07	1.26E-07
750	490586.7	3860335	1.14E-03	1.11E-03	1.09E-03	3.93E-07	1.19E-06	6.87E-07	6.70E-07	6.08E-07	2.77E-07	2.74E-07	0.00E+00	0.00E+00	1.26E-07	2.27E-08	1.44E-07	2.23E-08	2.12E-08	3.37E-07	3.58E-07	1.31E-07	1.79E-07	6.68E-08	3.58E-07	1.31E-07
751	490636.7	3860335	1.18E-03	1.16E-03	1.14E-03	4.10E-07	1.24E-06	7.16E-07	6.99E-07	6.34E-07	2.89E-07	2.85E-07	0.00E+00	0.00E+00	1.32E-07	2.37E-08	1.51E-07	2.32E-08	2.21E-08	3.51E-07	3.74E-07	1.37E-07	1.87E-07	6.97E-08	3.74E-07	1.37E-07
752	490686.7	3860335	1.24E-03	1.21E-03	1.19E-03	4.29E-07	1.30E-06	7.50E-07	7.32E-07	6.63E-07	3.03E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.48E-08	1.58E-07	2.43E-08	2.31E-08	3.68E-07	3.91E-07	1.43E-07	1.95E-07	7.30E-08	3.91E-07	1.43E-07
753	490736.7	3860335	1.30E-03	1.27E-03	1.25E-03	4.50E-07	1.36E-06	7.87E-07	7.68E-07	6.96E-07	3.18E-07	3.14E-07	0.00E+00	0.00E+00	1.45E-07	2.61E-08	1.65E-07	2.55E-08	2.43E-08	3.86E-07	4.11E-07	1.51E-07	2.05E-07	7.66E-08	4.11E-07	1.51E-07
754	490786.7	3860335	1.37E-03	1.34E-03	1.32E-03	4.75E-07	1.43E-06	8.30E-07	8.10E-07	7.35E-07	3.35E-07	3.31E-07	0.00E+00	0.00E+00	1.53E-07	2.75E-08	1.75E-07	2.69E-08	2.56E-08	4.07E-07	4.33E-07	1.59E-07	2.16E-07	8.08E-08	4.33E-07	1.59E-07
755	490086.7	3860385	7.74E-04	7.55E-04	7.45E-04	2.68E-07	8.09E-07	4.68E-07	4.57E-07	4.14E-07	1.89E-07	1.87E-07	0.00E+00	0.00E+00	8.62E-08	1.55E-08	9.85E-08	1.52E-08	1.44E-08	2.30E-07	2.44E-07	8.96E-08	1.22E-07	4.56E-08	2.44E-07	8.96E-08
756	490136.7	3860385	7.94E-04	7.75E-04	7.65E-04	2.75E-07	8.30E-07	4.80E-07	4.69E-07	4.25E-07	1.94E-07	1.91E-07	0.00E+00	0.00E+00	8.84E-08	1.59E-08	1.01E-07	1.56E-08	1.48E-08	2.36E-07	2.51E-07	9.19E-08	1.25E-07	4.67E-08	2.51E-07	9.19E-08
757	490186.7	3860385	8.15E-04	7.95E-04	7.85E-04	2.82E-07	8.52E-07	4.93E-07	4.81E-07	4.36E-07	1.99E-07	1.96E-07	0.00E+00	0.00E+00	9.07E-08	1.63E-08	1.04E-07	1.60E-08	1.52E-08	2.42E-07	2.57E-07	9.43E-08	1.28E-07	4.80E-08	2.57E-07	9.43E-08
758	490236.7	3860385	8.37E-04	8.17E-04	8.06E-04	2.90E-07	8.75E-07	5.07E-07	4.94E-07	4.48E-07	2.04E-07	2.02E-07	0.00E+00	0.00E+00	9.32E-08	1.68E-08	1.06E-07	1.64E-08	1.56E-08	2.48E-07	2.64E-07	9.69E-08	1.32E-07	4.93E-08	2.64E-07	9.69E-08
759	490286.7	3860385	8.62E-04	8.41E-04	8.30E-04	2.98E-07	9.01E-07	5.21E-07	5.09E-07	4.61E-07	2.10E-07	2.08E-07	0.00E+00	0.00E+00	9.59E-08	1.73E-08	1.10E-07	1.69E-08	1.61E-08	2.56E-07	2.72E-07	9.97E-08	1.36E-07	5.07E-08	2.72E-07	9.97E-08
760	490336.7	3860385	8.87E-04	8.66E-04	8.54E-04	3.07E-07	9.28E-07	5.37E-07	5.24E-07	4.75E-07	2.17E-07	2.14E-07	0.00E+00	0.00E+00	9.88E-08	1.78E-08	1.13E-07	1.74E-08	1.66E-08	2.63E-07	2.80E-07	1.03E-07	1.40E-07	5.22E-08	2.80E-07	1.03E-07
761	490386.7	3860385	9.16E-04	8.93E-04	8.82E-04	3.17E-07	9.57E-07	5.54E-07	5.41E-07	4.90E-07	2.24E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.84E-08	1.16E-07	1.80E-08	1.71E-08	2.72E-07	2.89E-07	1.06E-07	1.44E-07	5.39E-08	2.89E-07	1.06E-07
762	490436.7	3860385	9.46E-04	9.23E-04	9.11E-04	3.28E-07	9.89E-07	5.73E-07	5.59E-07	5.07E-07	2.31E-07	2.28E-07	0.00E+00	0.00E+00	1.05E-07	1.90E-08	1.20E-07	1.86E-08	1.77E-08	2.81E-07	2.99E-07	1.10E-07	1.49E-07	5.57E-08	2.99E-07	1.10E-07
763	490486.7	3860385	9.79E-04	9.55E-04	9.43E-04	3.39E-07	1.02E-06	5.92E-07	5.78E-07	5.24E-07	2.39E-07	2.36E-07	0.00E+00	0.00E+00	1.09E-07	1.96E-08	1.25E-07	1.92E-08	1.83E-08	2.91E-07	3.09E-07	1.13E-07	1.54E-07	5.76E-08	3.09E-07	1.13E-07

764	490536.7	3860385	1.01E-03	9.90E-04	9.77E-04	3.51E-07	1.06E-06	6.14E-07	5.99E-07	5.43E-07	2.48E-07	2.45E-07	0.00E+00	0.00E+00	1.13E-07	2.03E-08	1.29E-07	1.99E-08	1.89E-08	3.01E-07	3.20E-07	1.17E-07	1.60E-07	5.97E-08	3.20E-07	1.17E-07
765	490586.7	3860385	1.05E-03	1.03E-03	1.01E-03	3.65E-07	1.10E-06	6.38E-07	6.22E-07	5.64E-07	2.57E-07	2.54E-07	0.00E+00	0.00E+00	1.17E-07	2.11E-08	1.34E-07	2.07E-08	1.97E-08	3.13E-07	3.33E-07	1.22E-07	1.66E-07	6.20E-08	3.33E-07	1.22E-07
766	490636.7	3860385	1.10E-03	1.07E-03	1.06E-03	3.79E-07	1.15E-06	6.63E-07	6.47E-07	5.87E-07	2.68E-07	2.64E-07	0.00E+00	0.00E+00	1.22E-07	2.20E-08	1.39E-07	2.15E-08	2.05E-08	3.25E-07	3.46E-07	1.27E-07	1.73E-07	6.45E-08	3.46E-07	1.27E-07
767	490686.7	3860385	1.14E-03	1.12E-03	1.10E-03	3.96E-07	1.20E-06	6.92E-07	6.75E-07	6.12E-07	2.79E-07	2.76E-07	0.00E+00	0.00E+00	1.27E-07	2.29E-08	1.45E-07	2.24E-08	2.13E-08	3.39E-07	3.61E-07	1.32E-07	1.80E-07	6.73E-08	3.61E-07	1.32E-07
768	490736.7	3860385	1.20E-03	1.17E-03	1.15E-03	4.14E-07	1.25E-06	7.24E-07	7.06E-07	6.40E-07	2.92E-07	2.88E-07	0.00E+00	0.00E+00	1.33E-07	2.40E-08	1.52E-07	2.35E-08	2.23E-08	3.55E-07	3.78E-07	1.38E-07	1.88E-07	7.04E-08	3.78E-07	1.38E-07
769	490786.7	3860385	1.26E-03	1.23E-03	1.21E-03	4.35E-07	1.31E-06	7.60E-07	7.41E-07	6.72E-07	3.07E-07	3.03E-07	0.00E+00	0.00E+00	1.40E-07	2.52E-08	1.60E-07	2.46E-08	2.34E-08	3.73E-07	3.96E-07	1.45E-07	1.98E-07	7.39E-08	3.96E-07	1.45E-07
770	490136.7	3860435	7.57E-04	7.38E-04	7.29E-04	2.62E-07	7.91E-07	4.58E-07	4.47E-07	4.05E-07	1.85E-07	1.82E-07	0.00E+00	0.00E+00	8.42E-08	1.52E-08	9.62E-08	1.48E-08	1.41E-08	2.25E-07	2.39E-07	8.76E-08	1.19E-07	4.45E-08	2.39E-07	8.76E-08
771	490186.7	3860435	7.75E-04	7.57E-04	7.47E-04	2.68E-07	8.10E-07	4.69E-07	4.58E-07	4.15E-07	1.89E-07	1.87E-07	0.00E+00	0.00E+00	8.63E-08	1.55E-08	9.86E-08	1.52E-08	1.45E-08	2.30E-07	2.45E-07	8.98E-08	1.22E-07	4.56E-08	2.45E-07	8.98E-08
772	490236.7	3860435	7.95E-04	7.76E-04	7.65E-04	2.75E-07	8.31E-07	4.81E-07	4.69E-07	4.25E-07	1.94E-07	1.92E-07	0.00E+00	0.00E+00	8.85E-08	1.59E-08	1.01E-07	1.56E-08	1.48E-08	2.36E-07	2.51E-07	9.20E-08	1.25E-07	4.68E-08	2.51E-07	9.20E-08
773	490286.7	3860435	8.16E-04	7.96E-04	7.85E-04	2.82E-07	8.53E-07	4.94E-07	4.82E-07	4.37E-07	1.99E-07	1.97E-07	0.00E+00	0.00E+00	9.08E-08	1.63E-08	1.04E-07	1.60E-08	1.52E-08	2.42E-07	2.57E-07	9.44E-08	1.28E-07	4.80E-08	2.57E-07	9.44E-08
774	490336.7	3860435	8.38E-04	8.18E-04	8.07E-04	2.90E-07	8.76E-07	5.07E-07	4.95E-07	4.49E-07	2.05E-07	2.02E-07	0.00E+00	0.00E+00	9.33E-08	1.68E-08	1.07E-07	1.64E-08	1.56E-08	2.49E-07	2.65E-07	9.70E-08	1.32E-07	4.93E-08	2.65E-07	9.70E-08
775	490386.7	3860435	8.63E-04	8.42E-04	8.31E-04	2.99E-07	9.02E-07	5.22E-07	5.10E-07	4.62E-07	2.11E-07	2.08E-07	0.00E+00	0.00E+00	9.61E-08	1.73E-08	1.10E-07	1.69E-08	1.61E-08	2.56E-07	2.72E-07	9.99E-08	1.36E-07	5.08E-08	2.72E-07	9.99E-08
776	490436.7	3860435	8.89E-04	8.68E-04	8.56E-04	3.08E-07	9.30E-07	5.38E-07	5.25E-07	4.76E-07	2.17E-07	2.14E-07	0.00E+00	0.00E+00	9.90E-08	1.78E-08	1.13E-07	1.74E-08	1.66E-08	2.64E-07	2.81E-07	1.03E-07	1.40E-07	5.24E-08	2.81E-07	1.03E-07
777	490486.7	3860435	9.19E-04	8.96E-04	8.84E-04	3.18E-07	9.60E-07	5.56E-07	5.42E-07	4.92E-07	2.24E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.84E-08	1.17E-07	1.80E-08	1.71E-08	2.73E-07	2.90E-07	1.06E-07	1.45E-07	5.41E-08	2.90E-07	1.06E-07
778	490536.7	3860435	9.50E-04	9.27E-04	9.15E-04	3.29E-07	9.93E-07	5.75E-07	5.61E-07	5.09E-07	2.32E-07	2.29E-07	0.00E+00	0.00E+00	1.06E-07	1.90E-08	1.21E-07	1.86E-08	1.77E-08	2.82E-07	3.00E-07	1.10E-07	1.50E-07	5.59E-08	3.00E-07	1.10E-07
779	490586.7	3860435	9.84E-04	9.60E-04	9.48E-04	3.41E-07	1.03E-06	5.95E-07	5.81E-07	5.27E-07	2.40E-07	2.37E-07	0.00E+00	0.00E+00	1.10E-07	1.97E-08	1.25E-07	1.93E-08	1.84E-08	2.92E-07	3.11E-07	1.14E-07	1.55E-07	5.79E-08	3.11E-07	1.14E-07
780	490636.7	3860435	1.02E-03	9.97E-04	9.83E-04	3.54E-07	1.07E-06	6.18E-07	6.03E-07	5.47E-07	2.49E-07	2.46E-07	0.00E+00	0.00E+00	1.14E-07	2.05E-08	1.30E-07	2.00E-08	1.91E-08	3.03E-07	3.22E-07	1.18E-07	1.61E-07	6.01E-08	3.22E-07	1.18E-07
781	490686.7	3860435	1.06E-03	1.04E-03	1.02E-03	3.68E-07	1.11E-06	6.43E-07	6.27E-07	5.69E-07	2.59E-07	2.56E-07	0.00E+00	0.00E+00	1.18E-07	2.13E-08	1.35E-07	2.08E-08	1.98E-08	3.15E-07	3.35E-07	1.23E-07	1.67E-07	6.25E-08	3.35E-07	1.23E-07
782	490736.7	3860435	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.55E-07	5.93E-07	2.71E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.22E-08	1.41E-07	2.17E-08	2.07E-08	3.29E-07	3.50E-07	1.28E-07	1.75E-07	6.53E-08	3.50E-07	1.28E-07
783	490786.7	3860435	1.16E-03	1.13E-03	1.12E-03	4.01E-07	1.21E-06	7.01E-07	6.84E-07	6.20E-07	2.83E-07	2.79E-07	0.00E+00	0.00E+00	1.29E-07	2.32E-08	1.47E-07	2.27E-08	2.16E-08	3.44E-07	3.66E-07	1.34E-07	1.83E-07	6.82E-08	3.66E-07	1.34E-07
784	490136.7	3860485	7.26E-04	7.09E-04	6.99E-04	2.51E-07	7.59E-07	4.40E-07	4.29E-07	3.89E-07	1.77E-07	1.75E-07	0.00E+00	0.00E+00	8.09E-08	1.46E-08	9.24E-08	1.42E-08	1.36E-08	2.16E-07	2.29E-07	8.41E-08	1.14E-07	4.28E-08	2.29E-07	8.41E-08
785	490186.7	3860485	7.42E-04	7.24E-04	7.15E-04	2.57E-07	7.76E-07	4.49E-07	4.38E-07	3.97E-07	1.81E-07	1.79E-07	0.00E+00	0.00E+00	8.26E-08	1.49E-08	9.44E-08	1.46E-08	1.38E-08	2.20E-07	2.34E-07	8.59E-08	1.17E-07	4.37E-08	2.34E-07	8.59E-08
786	490236.7	3860485	7.59E-04	7.41E-04	7.31E-04	2.63E-07	7.94E-07	4.59E-07	4.48E-07	4.06E-07	1.85E-07	1.83E-07	0.00E+00	0.00E+00	8.45E-08	1.52E-08	9.66E-08	1.49E-08	1.42E-08	2.25E-07	2.40E-07	8.79E-08	1.20E-07	4.47E-08	2.40E-07	8.79E-08
787	490286.7	3860485	7.78E-04	7.59E-04	7.49E-04	2.69E-07	8.13E-07	4.71E-07	4.59E-07	4.16E-07	1.90E-07	1.87E-07	0.00E+00	0.00E+00	8.66E-08	1.56E-08	9.89E-08	1.53E-08	1.45E-08	2.31E-07	2.46E-07	9.00E-08	1.23E-07	4.58E-08	2.46E-07	9.00E-08
788	490336.7	3860485	7.97E-04	7.78E-04	7.68E-04	2.76E-07	8.33E-07	4.82E-07	4.71E-07	4.27E-07	1.95E-07	1.92E-07	0.00E+00	0.00E+00	8.88E-08	1.60E-08	1.01E-07	1.56E-08	1.49E-08	2.37E-07	2.52E-07	9.23E-08	1.26E-07	4.69E-08	2.52E-07	9.23E-08
789	490386.7	3860485	8.19E-04	8.00E-04	7.89E-04	2.84E-07	8.56E-07	4.96E-07	4.84E-07	4.39E-07	2.00E-07	1.97E-07	0.00E+00	0.00E+00	9.12E-08	1.64E-08	1.04E-07	1.61E-08	1.53E-08	2.43E-07	2.59E-07	9.49E-08	1.29E-07	4.82E-08	2.59E-07	9.49E-08
790	490436.7	3860485	8.43E-04	8.23E-04	8.12E-04	2.92E-07	8.81E-07	5.10E-07	4.98E-07	4.51E-07	2.06E-07	2.03E-07	0.00E+00	0.00E+00	9.38E-08	1.69E-08	1.07E-07	1.65E-08	1.57E-08	2.50E-07	2.66E-07	9.76E-08	1.33E-07	4.96E-08	2.66E-07	9.76E-08
791	490486.7	3860485	8.68E-04	8.47E-04	8.36E-04	3.01E-07	9.08E-07	5.25E-07	5.13E-07	4.65E-07	2.12E-07	2.09E-07	0.00E+00	0.00E+00	9.67E-08	1.74E-08	1.10E-07	1.70E-08	1.62E-08	2.58E-07	2.74E-07	1.01E-07	1.37E-07	5.11E-08	2.74E-07	1.01E-07
792	490536.7	3860485	8.95E-04	8.74E-04	8.62E-04	3.10E-07	9.36E-07	5.42E-07	5.29E-07	4.79E-07	2.19E-07	2.16E-07	0.00E+00	0.00E+00	9.97E-08	1.79E-08	1.14E-07	1.76E-08	1.67E-08	2.66E-07	2.83E-07	1.04E-07	1.41E-07	5.27E-08	2.83E-07	1.04E-07
793	490586.7	3860485	9.25E-04	9.02E-04	8.90E-04	3.20E-07	9.67E-07	5.60E-07	5.46E-07	4.95E-07	2.26E-07	2.23E-07	0.00E+00	0.00E+00	1.03E-07	1.85E-08	1.18E-07	1.81E-08	1.73E-08	2.74E-07	2.92E-07	1.07E-07	1.46E-07	5.44E-08	2.92E-07	1.07E-07
794	490636.7	3860485	9.58E-04	9.35E-04	9.22E-04	3.32E-07	1.00E-06	5.80E-07	5.66E-07	5.13E-07	2.34E-07	2.31E-07	0.00E+00	0.00E+00	1.07E-07	1.92E-08	1.22E-07	1.88E-08	1.79E-08	2.84E-07	3.02E-07	1.11E-07	1.51E-07	5.64E-08	3.02E-07	1.11E-07
795	490686.7	3860485	9.93E-04	9.69E-04	9.56E-04	3.44E-07	1.04E-06	6.01E-07	5.86E-07	5.32E-07	2.43E-07	2.39E-07	0.00E+00	0.00E+00	1.11E-07	1.99E-08	1.26E-07	1.95E-08	1.85E-08	2.95E-07	3.13E-07	1.15E-07	1.56E-07	5.85E-08	3.13E-07	1.15E-07
796	490736.7	3860485	1.03E-03	1.01E-03	9.95E-04	3.58E-07	1.08E-06	6.25E-07	6.10E-07	5.53E-07	2.52E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.07E-08	1.31E-07	2.03E-08	1.93E-08	3.07E-07	3.26E-07	1.20E-07	1.63E-07	6.08E-08	3.26E-07	1.20E-07
797	490786.7	3860485	1.08E-03	1.05E-03	1.04E-03	3.73E-07	1.13E-06	6.52E-07	6.36E-07	5.77E-07	2.63E-07	2.60E-07	0.00E+00	0.00E+00	1.20E-07	2.16E-08	1.37E-07	2.11E-08	2.01E-08	3.20E-07	3.40E-07	1.25E-07	1.70E-07	6.34E-08	3.40E-07	1.25E-07
798	490136.7	3860535	6.99E-04	6.83E-04	6.74E-04	2.42E-07	7.31E-07	4.23E-07	4.13E-07	3.74E-07	1.71E-07	1.69E-07	0.00E+00	0.00E+00	7.79E-08	1.40E-08	8.90E-08	1.37E-08	1.31E-08	2.08E-07	2.21E-07	8.10E-08	1.10E-07	4.12E-08	2.21E-07	8.10E-08
799	490186.7	3860535	7.14E-04	6.97E-04	6.88E-04	2.47E-07	7.47E-07	4.32E-07	4.22E-07	3.82E-07	1.74E-07	1.72E-07	0.00E+00	0.00E+00	7.95E-08	1.43E-08	9.09E-08	1.40E-08	1.33E-08	2.12E-07	2.25E-07	8.27E-08	1.13E-07	4.21E-08	2.25E-07	8.27E-08
800	490236.7	3860535	7.30E-04	7.12E-04	7.03E-04	2.53E-07	7.63E-07	4.42E-07	4.31E-07	3.91E-07	1.78E-07	1.76E-07	0.00E+00	0.00E+00	8.12E-08	1.46E-08	9.28E-08	1.43E-08	1.36E-08	2.17E-07	2.30E-07	8.45E-08	1.15E-07	4.30E-08	2.30E-07	8.45E-08
801	490286.7	3860535	7.46E-04	7.28E-04	7.18E-04	2.58E-07	7.79E-07	4.51E-07	4.40E-07	3.99E-07	1.82E-07	1.80E-07	0.00E+00	0.00E+00	8.30E-08	1.49E-08	9.48E-08	1.46E-08	1.39E-08	2.21E-07	2.35E-07	8.63E-08	1.17E-07	4.39E-08	2.35E-07	8.63E-08
802	490336.7	3860535	7.64E-04	7.45E-04	7.35E-04	2.64E-07	7.98E-07	4.62E-07	4.51E-07	4.09E-07	1.87E-07	1.84E-07	0.00E+00	0.00E+00	8.50E-08	1.53E-08	9.71E-08	1.50E-08	1.43E-08	2.27E-07	2.41E-07	8.84E-08	1.20E-07	4.50E-08	2.41E-07	8.84E-08
803	490386.7	3860535	7.83E-04	7.64E-04	7.54E-04	2.71E-07	8.18E-07	4.74E-07	4.62E-07	4.19E-07	1.91E-07	1.89E-07	0.00E+00	0.00E+00	8.71E-08	1.57E-08	9.96E-08	1.54E-08	1.46E-08	2.32E-07	2.47E-07	9.06E-08	1.23E-07	4.61E-08	2.47E-07	9.06E-08
804	490436.7	3860535	8.04E-04	7.84E-04	7.74E-04	2.78E-07	8.40E-07	4.86E-07	4.74E-07	4.30E-07	1.96E-07	1.94E-07	0.00E+00	0.00E+00	8.95E-08	1.61E-08	1.02E-07	1.58E-08	1.50E-08	2.39E-07	2.54E-07	9.30E-08	1.27E-07	4.73E-08	2.54E-07	9.30E-08
805	490486.7	3860535	8.26E-04	8.06E-04	7.95E-04	2.86E-07	8.63E-07	5.00E-07	4.88E-07	4.42E-07	2.02E-07	1.99E-07	0.00E+00	0.00E+00	9.19E-08	1.66E-08	1.05E-07	1.62E-08	1.54E-08	2.45E-07	2.61E-07	9.56E-08	1.30E-07	4.86E-08	2.61E-07	9.56E-08
806	490536.7	3860535	8.51E-04	8.30E-04	8.19E-04	2.94E-07	8.89E-07	5.15E-07	5.02E-07	4.55E-07	2.08E-07	2.05E-07	0.00E+00	0.00E+00	9.47E-08	1.70E-08	1.08E-07	1.67E-08	1.59E-08	2.52E-07	2.68E-07	9.85E-08	1.34E-07	5.01E-08	2.68E-07	9.85E-08
807	490586.7	3860535	8.76E-04	8.55E-04	8.43E-04	3.03E-07	9.15E-07	5.30E-07	5.17E-07	4.69E-07	2.14E-07	2.11E-07	0.00E+00	0.00E+00	9.75E-08	1.76E-08	1.11E-07	1.72E-08	1.63E-08	2.60E-07	2.76E-07	1.01E-07	1.38E-07	5.16E-08	2.76E-07	1.01E-07
808	490636.7	3860535	9.04E-04	8.82E-04	8.70E-04	3.13E-07	9.45E-07	5.47E-07	5.34E-07	4.84E-07	2.21E-07	2.18E-07	0.00E+00	0.00E+00	1.01E-07	1.81E-08	1.15E-07	1.77E-08	1.69E-08	2.68E-07	2.85E-07	1.05E-07	1.42E-07	5.32E-08	2.85E-07	1.05E-07
809	490686.7	3860535	9.35E-04	9.13E-04	9.00E-04	3.24E-07	9.77E-07	5.66E-07	5.52E-07	5.01E-07	2.28E-07	2.25E-07	0.00E+00	0.00E+00	1.04E-07	1.87E-08	1.19E-07	1.83E-08	1.74E-08	2.78E-07	2.95E-07	1.08E-07	1.47E-07	5.50E-08	2.95E-07	1.08E-07
810	490736.7	3860535	9.69E-04	9.46E-04	9.33E-04	3.35E-07	1.01E-06	5.86E-07	5.72E-07	5.19E-07	2.37E-07	2.34E-07	0.00E+00	0.00E+00	1.08E-07	1.94E-08	1.23E-07	1.90E-08	1.81E-08	2.88E-07	3.06E-07	1.12E-07	1.53E-07	5.71E-08	3.06E-07	1.12E-07
811	490786.7	3860535	1.01E-03	9.84E-04	9.71E-04	3.49E-07	1.05E-06	6.10E-07	5.95E-07	5.40E-07	2.46E-07	2.43E-07	0.00E+00	0.00E+00	1.12E-07	2.02E-08	1.28E-07	1.98E-08	1.88E-08	2.99E-07	3.18E-07	1.17E-07	1.59E-07	5.93E-08	3.18E-07	1.17E-07
812	490136.7	3860585	6.75E-04	6.59E-04	6.50E-04	2.34E-07	7.06E-07	4.08E-07	3.99E-07	3.61E-07	1.65E-07	1.63E-07	0.00E+00	0.00E+00	7.51E-08	1.35E-08	8.58E-08	1.32E-08	1.26E-08	2.00E-07	2.13E-07	7.81E-08	1.06E-07	3.97E-08	2.13E-07	7.81E-08
813	490186.7	3860585	6.87E-04	6.71E-04	6.62E-04	2.38E-07	7.19E-07	4.16E-07	4.06E-07	3.68E-07	1.68E-07	1.66E-07	0.00E+00	0.00E+00	7.65E-08	1.38E-08	8.74E-08	1.35E-08	1.28E-08	2.04E-07	2.17E-07	7.96E-08	1.08E-07	4.05E-08	2.17E-07	7.96E-08
814	490236.7	3860585	7.02E-04	6.85E-04	6.76E-04	2.43E-07	7.34E-07	4.25E-07	4.15E-07	3.76E-07	1.72E-07	1.69E-07	0.00E+00	0.00E+00	7.82E-08	1.41E-08	8.93E-08	1.38E-08	1.31E-08	2.08E-07	2.22E-07	8.13E-08	1.11E-07	4.13E-08	2.22E-07	8.13E-08
815	490286.7	3860585	7.18E-04	7.00E-04	6.91E-04	2.48E-07	7.50E-07	4.34E-07	4.24E-07	3.84E-07	1.75E-07	1.73E-07	0.00E+00	0.00E+00	7.99E-08	1.44E-08	9.13E-08	1.41E-08	1.34E-08	2.13E-07	2.27E-07	8.31E-08	1.13E-07	4.23E-08	2.27E-07	8.31E-08
816	490336.7	3860585	7.34E-04	7.17E-04	7.07E-04	2.54E-07	7.68E-07	4.44E-07	4.34E-07	3.93E-07	1.79E-07	1.77E-07	0.00E+00	0.00E+00	8.17E-08	1.47E-08	9.34E-08	1.44E-08	1.37E-08	2.18E-07	2.32E-07	8.50E-08	1.16E-07	4.32E-08	2.32E-07	8.50E-08
817	490386.7	3860585	7.51E-04	7.33E-04	7.23E-04	2.60E-07	7.85E-07	4.54E-07	4.43E-07	4.02E-07	1.83E-07	1.81E-07	0.00E+00	0.00E+00	8.36E-08	1.50E-08	9.55E-08	1.47E-08	1.40E-08	2.23E-07	2.37E-07	8.69E-08	1.18E-07	4.42E-08	2.37E-07	8.69E-08
818	490436.7	3860585	7.70E-04	7.52E-04	7.42E-04	2.67E-07	8.05E-07	4.66E-07	4.55E-07	4.12E-07	1.88E-07	1.86E-07	0.00E+00	0.00E+00	8.58E-08	1.54E-08	9.80E-08	1.51E-08	1.44E-08	2.29E-07	2.43E-07	8.92E-08	1.21E-07	4.54E-08	2.43E-07	8.92E-08
819	490486.7	3860585	7.90E-04	7.71E-04	7.61E-04	2.74E-07	8.26E-07	4.78E-07	4.67E-07	4.23E-07	1.93E-07	1.90E-07	0.00E+00	0.00E+00	8.80E-08	1.58E-08	1.01E-07	1.55E-08	1.47E-08	2.35E-07	2.49E-07	9.15E-08	1.25E-07	4.65E-08	2.49E-07	9.15E-08
820	490536.7	3860585	8.12E-04	7.93E-04	7.82E-04	2.81E-07	8.49E-07	4.92E-07	4.80E-07	4.35E-07	1.98E-07	1.96E-07	0.00E+00	0.00E+00	9.04E-08	1.63E-08	1.03E-07	1.59E-08	1.52E-08	2.41E-07	2.56E-07	9.40E-08	1.28E-07	4.78E-08	2.56E-07	9.40E-08
821	490586.7	3860585	8.34E-04	8.14E-04	8.03E-04	2.89E-07	8.72E-07	5.05E-07	4.92E-07	4.46E-07	2.04E-07	2.01E-07	0.00E+00	0.00E+00	9.28E-08	1.67E-08	1.06E-07	1.64E-08	1.56E-08	2.47E-07	2.63E-07	9.65E-08	1.31E-07	4.91E-08	2.63E-07	9.65E-08
822	490636.7	3860585	8.59E-04	8.38E-04	8.27E-04	2.97E-07	8.98E-07	5.20E-07	5.07E-07	4.60E-07	2.10E-07	2.07E-07	0.00E+00	0.00E+00	9.56E-08	1.72E-08	1.09E-07	1.68E-08	1.60E-08	2.55E-07	2.71E-07	9.95E-08	1.35E-07	5.06E-08	2.71E-07	9.95E-08
823	490686.7	3860585	8.86E-04	8.65E-04	8.53E-04	3.07E-07	9.26E-07	5.36E-07	5.23E-07	4.74E-07	2.16E-07	2.14E-07	0.00E+00	0.00E+00	9.86E-08	1.78E-08	1.13E-07	1.74E-08	1.65E-08	2.63E-07	2.80E-07	1.03E-07	1.40E-07	5.22E-08	2.80E-07	1.03E-07
824	490736.7	3860585	9.16E-04	8.94E-04	8.82E-04	3.17E-07	9.58E-07	5.55E-07	5.41E-07	4.91E-07	2.24E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.84E-08	1.17E-07	1.80E-08	1.71E-08	2.72E-07	2.89E-07	1.06E-07	1.44E-07	5.40E-08	2.89E-07	1.06E-07
825	490786.7	3860585	9.49E-04	9.26E-04	9.14E-04	3.29E-07	9.92E-07	5.74E-07	5.60E-07	5.08E-07	2.32E-07	2.29E-07	0.00E+00	0.00E+00	1.06E-07	1.90E-08	1.21E-07	1.86E-08	1.77E-08	2.82E-07	3.00E-07	1.10E-07	1.50E-07	5.59E-08	3.00E-07	1.10E-07
826	490136.7	3860635	6.50E-04	6.34E-04	6.26E-04	2.25E-07	6.80E-07	3.93E-07	3.84E-07	3.48E-07	1.59E-07	1.57E-07	0.00E+00	0.00E+00	7.24E-08	1.30E-08	8.27E-08	1.27E-08	1.21E-08	1.93E-07	2.05E-07	7.53E-08	1.02E-07	3.83E-08	2.05E-07	7.53E-08
827	490186.7	3860635	6.64E-04	6.48E-04	6.39E-04	2.30E-07	6.94E-07	4.02E-07	3.92E-07	3.55E-07	1.62E-07	1.60E-07	0.00E+00	0.00E+00	7.39E-08	1.33E-08	8.44E-08	1.30E-08	1.24E-08	1.97E-07	2.10E-07	7.68E-08	1.05E-07	3.91E-08	2.10E-07	7.68E-08
828	490236.7	3860635	6.77E-04	6.61E-04	6.52E-04	2.35E-07	7.08E-07	4.10E-07	4.00E-07	3.63E-07	1.65E-07	1.63E-07	0.00E+00	0.00E+00	7.54E-08	1.36E-08	8.62E-08	1.33E-08	1.26E-08	2.01E-07	2.14E-07	7.84E-08	1.07E-07	3.99E-08	2.14E-07	7.84E-08
829	490286.7	3860635	6.92E-04	6.75E-04	6.66E-04	2.39E-07	7.23E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.67E-07	0.00E+00	0.00E+00	7.70E-08	1.39E-08	8.80E-08	1.36E-08	1.29E-08	2.05E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
830	490336.7	3860635	7.07E-04	6.90E-04	6.81E-04	2.45E-07	7.39E-07	4.28E-07	4.17E-07	3.78E-07	1.73E-07	1.70E-07	0.00E+00	0.00E+00	7.87E-08	1.42E-08	8.99E-08	1.39E-08	1.32E-08	2.10E-07	2.23E-07	8.18E-08	1.11E-07	4.16E-08	2.23E-07	8.18E-08
831	490386.7	3860635	7.23E-04	7.06E-04	6.96E-04	2.50E-07	7.56E-07	4.38E-07	4.27E-07	3.87E-07	1.77E-07	1.74E-07	0.00E+00	0.00E+00	8.05E-08	1.45E-08	9.20E-08	1.42E-08	1.35E-08	2.15E-07	2.28E-07	8.37E-08	1.14E-07	4.26E-08	2.28E-07	8.37E-08
832	490436.7	3860635	7.40E-04	7.22E-04	7.13E-04	2.56E-07	7.74E-07	4.48E-07	4.37E-07	3.96E-07	1.81E-07	1.78E-07	0.00E+00	0.00E+00	8.24E-08	1.48E-08	9.41E-08	1.45E-08	1.38E-08	2.20E-07	2.34E-07	8.57E-08	1.17E-07	4.36E-08	2.34E-07	8.57E-08
833	490486.7	3860635	7.59E-04	7.40E-04	7.31E-04	2.63E-07	7.93E-07	4.59E-07	4.48E-07	4.06E-07	1.85E-07	1.83E-07	0.00E+00	0.00E+00	8.45E-08	1.52E-08	9.65E-08	1.49E-08	1.42E-08	2.25E-07	2.39E-07	8.78E-08	1.20E-07	4.47E-08	2.39E-07	8.78E-08
834	490536.7	3860635	7.79E-04	7.60E-04	7.50E-04	2.70E-07	8.14E-07	4.71E-07	4.60E-07	4.17E-07	1.90E-07	1.88E-07	0.00E+00	0.00E+00	8.67E-08	1.56E-08	9.90E-08	1.53E-08	1.45E-08	2.31E-07	2.46E-07	9.01E-08	1.23E-07	4.58E-08	2.46E-07	9.01E-08
835	490586.7	3860635	7.99E-04	7.80E-04	7.69E-04	2.77E-07	8.35E-07	4.83E-07	4.72E-07	4.28E-07	1.95E-07	1.93E-07	0.00E+00	0.00E+00	8.89E-08	1.60E-08	1.02E-07	1.57E-08	1.49E-08	2.37E-07	2.52E-07	9.25E-08	1.26E-07	4.70E-08	2.52E-07	9.25E-08
836	490636.7	3860635	8.21E-04	8.02E-04	7.91E-04	2.84E-07	8.59E-07	4.97E-07	4.85E-07	4.40E-07	2.01E-07	1.98E-07	0.00E+00	0.00E+00	9.14E-08	1.65E-08	1.04E-07	1.61E-08	1.53E-08	2.44E-07	2.59E-07	9.51E-08	1.29E-07	4.84E-08	2.59E-07	9.51E-08
837	490686.7	3860635	8.46E-04	8.25E-04	8.14E-04	2.93E-07	8.84E-07	5.12E-07	4.99E-07	4.53E-07	2.06E-07	2.04E-07	0.00E+00	0.00E+00	9.41E-08	1.69E-08	1.08E-07	1.66E-08	1.58E-08	2.51E-07	2.67E-07	9.79E-08	1.33E-07	4.98E-08	2.67E-07	9.79E-08
838	490736.7	3860635	8.72E-04	8.51E-04	8.39E-04	3.02E-07	9.11E-07	5.27E-07	5.15E-07	4.67E-07	2.13E-07	2.10E-07	0.00E+00	0.00E+00	9.70E-08	1.75E-08	1.11E-07	1.71E-08	1.63E-08	2.59E-07	2.75E-07	1.01E-07	1.37E-07	5.13E-08	2.75E-07	1.01E-07
839	490786.7	3860635	9.01E-04	8.79E-04	8.67E-04	3.12E-07	9.41E-07	5.45E-07	5.32E-07	4.82E-07	2.20E-07	2.17E-07	0.00E+00	0.00E+00	1.00E-07	1.81E-08	1.15E-07	1.77E-08	1.68E-08	2.67E-07	2.84E-07	1.04E-07	1.42E-07	5.30E-08	2.84E-07	1.04E-07
840	490136.7	3860685	6.26E-04	6.11E-04	6.03E-04	2.17E-07	6.54E-07	3.79E-07	3.70E-07	3.35E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.97E-08	1.25E-08	7.96E-08	1.23E-08	1.17E-08	1.86E-07	1.98E-07	7.25E-08	9.86E-08	3.69E-08	1.98E-07	7.25E-08

841	490186.7	3860685	6.38E-04	6.23E-04	6.15E-04	2.21E-07	6.67E-07	3.86E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	0.00E+00	0.00E+00	7.11E-08	1.28E-08	8.12E-08	1.25E-08	1.19E-08	1.90E-07	2.02E-07	7.39E-08	1.01E-07	3.76E-08	2.02E-07	7.39E-08
842	490236.7	3860685	6.52E-04	6.36E-04	6.28E-04	2.26E-07	6.82E-07	3.95E-07	3.85E-07	3.49E-07	1.59E-07	1.57E-07	0.00E+00	0.00E+00	7.26E-08	1.31E-08	8.29E-08	1.28E-08	1.22E-08	1.94E-07	2.06E-07	7.55E-08	1.03E-07	3.84E-08	2.06E-07	7.55E-08
843	490286.7	3860685	6.65E-04	6.49E-04	6.41E-04	2.30E-07	6.96E-07	4.03E-07	3.93E-07	3.56E-07	1.63E-07	1.60E-07	0.00E+00	0.00E+00	7.41E-08	1.33E-08	8.46E-08	1.31E-08	1.24E-08	1.98E-07	2.10E-07	7.70E-08	1.05E-07	3.92E-08	2.10E-07	7.70E-08
844	490336.7	3860685	6.80E-04	6.64E-04	6.55E-04	2.36E-07	7.11E-07	4.12E-07	4.02E-07	3.64E-07	1.66E-07	1.64E-07	0.00E+00	0.00E+00	7.57E-08	1.36E-08	8.65E-08	1.33E-08	1.27E-08	2.02E-07	2.15E-07	7.88E-08	1.07E-07	4.01E-08	2.15E-07	7.88E-08
845	490386.7	3860685	6.96E-04	6.79E-04	6.70E-04	2.41E-07	7.27E-07	4.21E-07	4.11E-07	3.72E-07	1.70E-07	1.68E-07	0.00E+00	0.00E+00	7.74E-08	1.39E-08	8.85E-08	1.36E-08	1.30E-08	2.06E-07	2.20E-07	8.05E-08	1.10E-07	4.10E-08	2.20E-07	8.05E-08
846	490436.7	3860685	7.12E-04	6.94E-04	6.85E-04	2.46E-07	7.44E-07	4.31E-07	4.20E-07	3.81E-07	1.74E-07	1.71E-07	0.00E+00	0.00E+00	7.92E-08	1.43E-08	9.05E-08	1.40E-08	1.33E-08	2.11E-07	2.25E-07	8.24E-08	1.12E-07	4.19E-08	2.25E-07	8.24E-08
847	490486.7	3860685	7.29E-04	7.11E-04	7.02E-04	2.52E-07	7.62E-07	4.41E-07	4.30E-07	3.90E-07	1.78E-07	1.76E-07	0.00E+00	0.00E+00	8.11E-08	1.46E-08	9.27E-08	1.43E-08	1.36E-08	2.16E-07	2.30E-07	8.44E-08	1.15E-07	4.29E-08	2.30E-07	8.44E-08
848	490536.7	3860685	7.47E-04	7.29E-04	7.19E-04	2.59E-07	7.81E-07	4.52E-07	4.41E-07	4.00E-07	1.82E-07	1.80E-07	0.00E+00	0.00E+00	8.32E-08	1.50E-08	9.50E-08	1.47E-08	1.39E-08	2.22E-07	2.36E-07	8.65E-08	1.18E-07	4.40E-08	2.36E-07	8.65E-08
849	490586.7	3860685	7.67E-04	7.48E-04	7.38E-04	2.65E-07	8.01E-07	4.64E-07	4.53E-07	4.10E-07	1.87E-07	1.85E-07	0.00E+00	0.00E+00	8.53E-08	1.54E-08	9.75E-08	1.50E-08	1.43E-08	2.28E-07	2.42E-07	8.88E-08	1.21E-07	4.51E-08	2.42E-07	8.88E-08
850	490636.7	3860685	7.88E-04	7.69E-04	7.59E-04	2.73E-07	8.23E-07	4.77E-07	4.65E-07	4.22E-07	1.92E-07	1.90E-07	0.00E+00	0.00E+00	8.77E-08	1.58E-08	1.00E-07	1.55E-08	1.47E-08	2.34E-07	2.49E-07	9.12E-08	1.24E-07	4.64E-08	2.49E-07	9.12E-08
851	490686.7	3860685	8.10E-04	7.91E-04	7.80E-04	2.80E-07	8.47E-07	4.90E-07	4.78E-07	4.34E-07	1.98E-07	1.95E-07	0.00E+00	0.00E+00	9.02E-08	1.62E-08	1.03E-07	1.59E-08	1.51E-08	2.40E-07	2.56E-07	9.38E-08	1.28E-07	4.77E-08	2.56E-07	9.38E-08
852	490736.7	3860685	8.34E-04	8.14E-04	8.03E-04	2.89E-07	8.72E-07	5.05E-07	4.92E-07	4.46E-07	2.04E-07	2.01E-07	0.00E+00	0.00E+00	9.28E-08	1.67E-08	1.06E-07	1.64E-08	1.56E-08	2.47E-07	2.63E-07	9.65E-08	1.31E-07	4.91E-08	2.63E-07	9.65E-08
853	490786.7	3860685	8.60E-04	8.39E-04	8.28E-04	2.98E-07	8.99E-07	5.20E-07	5.08E-07	4.60E-07	2.10E-07	2.07E-07	0.00E+00	0.00E+00	9.57E-08	1.72E-08	1.09E-07	1.69E-08	1.60E-08	2.55E-07	2.71E-07	9.96E-08	1.35E-07	5.06E-08	2.71E-07	9.96E-08
854	490136.7	3860735	6.02E-04	5.87E-04	5.79E-04	2.08E-07	6.29E-07	3.64E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.70E-08	1.21E-08	7.65E-08	1.18E-08	1.12E-08	1.79E-07	1.90E-07	6.96E-08	9.48E-08	3.54E-08	1.90E-07	6.96E-08
855	490186.7	3860735	6.13E-04	5.98E-04	5.90E-04	2.12E-07	6.41E-07	3.71E-07	3.62E-07	3.28E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.83E-08	1.23E-08	7.80E-08	1.20E-08	1.14E-08	1.82E-07	1.94E-07	7.10E-08	9.66E-08	3.61E-08	1.94E-07	7.10E-08
856	490236.7	3860735	6.26E-04	6.11E-04	6.03E-04	2.17E-07	6.54E-07	3.79E-07	3.70E-07	3.35E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.97E-08	1.25E-08	7.96E-08	1.23E-08	1.17E-08	1.86E-07	1.98E-07	7.25E-08	9.86E-08	3.69E-08	1.98E-07	7.25E-08
857	490286.7	3860735	6.39E-04	6.24E-04	6.16E-04	2.21E-07	6.68E-07	3.87E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	0.00E+00	0.00E+00	7.12E-08	1.28E-08	8.13E-08	1.25E-08	1.19E-08	1.90E-07	2.02E-07	7.40E-08	1.01E-07	3.76E-08	2.02E-07	7.40E-08
858	490336.7	3860735	6.53E-04	6.38E-04	6.29E-04	2.26E-07	6.83E-07	3.95E-07	3.86E-07	3.50E-07	1.60E-07	1.57E-07	0.00E+00	0.00E+00	7.27E-08	1.31E-08	8.31E-08	1.28E-08	1.22E-08	1.94E-07	2.06E-07	7.56E-08	1.03E-07	3.85E-08	2.06E-07	7.56E-08
859	490386.7	3860735	6.68E-04	6.52E-04	6.44E-04	2.31E-07	6.99E-07	4.04E-07	3.95E-07	3.58E-07	1.63E-07	1.61E-07	0.00E+00	0.00E+00	7.44E-08	1.34E-08	8.50E-08	1.31E-08	1.25E-08	1.98E-07	2.11E-07	7.74E-08	1.05E-07	3.93E-08	2.11E-07	7.74E-08
860	490436.7	3860735	6.85E-04	6.68E-04	6.59E-04	2.37E-07	7.15E-07	4.14E-07	4.04E-07	3.66E-07	1.67E-07	1.65E-07	0.00E+00	0.00E+00	7.62E-08	1.37E-08	8.71E-08	1.34E-08	1.28E-08	2.03E-07	2.16E-07	7.92E-08	1.08E-07	4.03E-08	2.16E-07	7.92E-08
861	490486.7	3860735	7.01E-04	6.84E-04	6.75E-04	2.43E-07	7.32E-07	4.24E-07	4.14E-07	3.75E-07	1.71E-07	1.69E-07	0.00E+00	0.00E+00	7.80E-08	1.40E-08	8.91E-08	1.37E-08	1.31E-08	2.08E-07	2.21E-07	8.11E-08	1.10E-07	4.13E-08	2.21E-07	8.11E-08
862	490536.7	3860735	7.17E-04	7.00E-04	6.90E-04	2.48E-07	7.49E-07	4.34E-07	4.23E-07	3.84E-07	1.75E-07	1.73E-07	0.00E+00	0.00E+00	7.98E-08	1.44E-08	9.12E-08	1.41E-08	1.34E-08	2.13E-07	2.26E-07	8.30E-08	1.13E-07	4.22E-08	2.26E-07	8.30E-08
863	490586.7	3860735	7.35E-04	7.17E-04	7.08E-04	2.54E-07	7.68E-07	4.45E-07	4.34E-07	3.93E-07	1.80E-07	1.77E-07	0.00E+00	0.00E+00	8.18E-08	1.47E-08	9.35E-08	1.44E-08	1.37E-08	2.18E-07	2.32E-07	8.51E-08	1.16E-07	4.33E-08	2.32E-07	8.51E-08
864	490636.7	3860735	7.55E-04	7.36E-04	7.27E-04	2.61E-07	7.89E-07	4.57E-07	4.46E-07	4.04E-07	1.84E-07	1.82E-07	0.00E+00	0.00E+00	8.40E-08	1.51E-08	9.60E-08	1.48E-08	1.41E-08	2.24E-07	2.38E-07	8.74E-08	1.19E-07	4.44E-08	2.38E-07	8.74E-08
865	490686.7	3860735	7.76E-04	7.57E-04	7.47E-04	2.69E-07	8.11E-07	4.70E-07	4.58E-07	4.15E-07	1.90E-07	1.87E-07	0.00E+00	0.00E+00	8.64E-08	1.56E-08	9.87E-08	1.52E-08	1.45E-08	2.30E-07	2.45E-07	8.99E-08	1.22E-07	4.57E-08	2.45E-07	8.99E-08
866	490736.7	3860735	7.99E-04	7.80E-04	7.69E-04	2.77E-07	8.35E-07	4.83E-07	4.72E-07	4.28E-07	1.95E-07	1.93E-07	0.00E+00	0.00E+00	8.89E-08	1.60E-08	1.02E-07	1.57E-08	1.49E-08	2.37E-07	2.52E-07	9.25E-08	1.26E-07	4.70E-08	2.52E-07	9.25E-08
867	490136.7	3860785	5.77E-04	5.63E-04	5.56E-04	2.00E-07	6.03E-07	3.49E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.42E-08	1.16E-08	7.34E-08	1.13E-08	1.08E-08	1.71E-07	1.82E-07	6.68E-08	9.09E-08	3.40E-08	1.82E-07	6.68E-08
868	490186.7	3860785	5.89E-04	5.74E-04	5.67E-04	2.04E-07	6.15E-07	3.56E-07	3.48E-07	3.15E-07	1.44E-07	1.42E-07	0.00E+00	0.00E+00	6.55E-08	1.18E-08	7.49E-08	1.15E-08	1.10E-08	1.75E-07	1.86E-07	6.81E-08	9.27E-08	3.47E-08	1.86E-07	6.81E-08
869	490236.7	3860785	6.01E-04	5.86E-04	5.78E-04	2.08E-07	6.28E-07	3.63E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.69E-08	1.20E-08	7.64E-08	1.18E-08	1.12E-08	1.78E-07	1.90E-07	6.95E-08	9.46E-08	3.54E-08	1.90E-07	6.95E-08
870	490286.7	3860785	6.13E-04	5.98E-04	5.90E-04	2.12E-07	6.41E-07	3.71E-07	3.62E-07	3.28E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.83E-08	1.23E-08	7.80E-08	1.20E-08	1.14E-08	1.82E-07	1.94E-07	7.10E-08	9.66E-08	3.61E-08	1.94E-07	7.10E-08
871	490336.7	3860785	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.55E-07	3.79E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.98E-08	1.26E-08	7.97E-08	1.23E-08	1.17E-08	1.86E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
872	490386.7	3860785	6.41E-04	6.25E-04	6.17E-04	2.22E-07	6.70E-07	3.88E-07	3.78E-07	3.43E-07	1.57E-07	1.54E-07	0.00E+00	0.00E+00	7.14E-08	1.28E-08	8.15E-08	1.26E-08	1.20E-08	1.90E-07	2.02E-07	7.42E-08	1.01E-07	3.77E-08	2.02E-07	7.42E-08
873	490436.7	3860785	6.56E-04	6.40E-04	6.32E-04	2.27E-07	6.86E-07	3.97E-07	3.87E-07	3.51E-07	1.60E-07	1.58E-07	0.00E+00	0.00E+00	7.30E-08	1.31E-08	8.34E-08	1.29E-08	1.22E-08	1.95E-07	2.07E-07	7.59E-08	1.03E-07	3.86E-08	2.07E-07	7.59E-08
874	490486.7	3860785	6.72E-04	6.56E-04	6.47E-04	2.33E-07	7.02E-07	4.07E-07	3.97E-07	3.60E-07	1.64E-07	1.62E-07	0.00E+00	0.00E+00	7.48E-08	1.35E-08	8.55E-08	1.32E-08	1.25E-08	1.99E-07	2.12E-07	7.78E-08	1.06E-07	3.96E-08	2.12E-07	7.78E-08
875	490536.7	3860785	6.88E-04	6.71E-04	6.62E-04	2.38E-07	7.19E-07	4.16E-07	4.06E-07	3.68E-07	1.68E-07	1.66E-07	0.00E+00	0.00E+00	7.66E-08	1.38E-08	8.75E-08	1.35E-08	1.28E-08	2.04E-07	2.17E-07	7.96E-08	1.08E-07	4.05E-08	2.17E-07	7.96E-08
876	490586.7	3860785	7.04E-04	6.87E-04	6.78E-04	2.44E-07	7.36E-07	4.26E-07	4.16E-07	3.77E-07	1.72E-07	1.70E-07	0.00E+00	0.00E+00	7.84E-08	1.41E-08	8.96E-08	1.38E-08	1.31E-08	2.09E-07	2.22E-07	8.15E-08	1.11E-07	4.15E-08	2.22E-07	8.15E-08
877	490636.7	3860785	7.23E-04	7.05E-04	6.96E-04	2.50E-07	7.55E-07	4.37E-07	4.27E-07	3.87E-07	1.77E-07	1.74E-07	0.00E+00	0.00E+00	8.04E-08	1.45E-08	9.19E-08	1.42E-08	1.35E-08	2.14E-07	2.28E-07	8.37E-08	1.14E-07	4.25E-08	2.28E-07	8.37E-08
878	490686.7	3860785	7.42E-04	7.24E-04	7.15E-04	2.57E-07	7.76E-07	4.49E-07	4.38E-07	3.97E-07	1.81E-07	1.79E-07	0.00E+00	0.00E+00	8.26E-08	1.49E-08	9.44E-08	1.46E-08	1.38E-08	2.20E-07	2.34E-07	8.59E-08	1.17E-07	4.37E-08	2.34E-07	8.59E-08
879	490736.7	3860785	7.64E-04	7.46E-04	7.36E-04	2.65E-07	7.99E-07	4.62E-07	4.51E-07	4.09E-07	1.87E-07	1.84E-07	0.00E+00	0.00E+00	8.51E-08	1.53E-08	9.72E-08	1.50E-08	1.43E-08	2.27E-07	2.41E-07	8.85E-08	1.20E-07	4.50E-08	2.41E-07	8.85E-08
880	490086.7	3860835	5.44E-04	5.31E-04	5.24E-04	1.88E-07	5.69E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.06E-08	1.09E-08	6.92E-08	1.07E-08	1.02E-08	1.62E-07	1.72E-07	6.30E-08	8.57E-08	3.20E-08	1.72E-07	6.30E-08
881	490136.7	3860835	5.55E-04	5.42E-04	5.34E-04	1.92E-07	5.80E-07	3.36E-07	3.28E-07	2.97E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.18E-08	1.11E-08	7.06E-08	1.09E-08	1.04E-08	1.65E-07	1.75E-07	6.43E-08	8.74E-08	3.27E-08	1.75E-07	6.43E-08
882	490186.7	3860835	5.65E-04	5.52E-04	5.44E-04	1.96E-07	5.91E-07	3.42E-07	3.34E-07	3.03E-07	1.38E-07	1.36E-07	0.00E+00	0.00E+00	6.29E-08	1.13E-08	7.19E-08	1.11E-08	1.06E-08	1.68E-07	1.78E-07	6.55E-08	8.91E-08	3.33E-08	1.78E-07	6.55E-08
883	490236.7	3860835	5.77E-04	5.63E-04	5.56E-04	2.00E-07	6.03E-07	3.49E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.42E-08	1.16E-08	7.34E-08	1.13E-08	1.08E-08	1.71E-07	1.82E-07	6.68E-08	9.09E-08	3.40E-08	1.82E-07	6.68E-08
884	490286.7	3860835	5.89E-04	5.75E-04	5.67E-04	2.04E-07	6.16E-07	3.56E-07	3.48E-07	3.15E-07	1.44E-07	1.42E-07	0.00E+00	0.00E+00	6.56E-08	1.18E-08	7.49E-08	1.16E-08	1.10E-08	1.75E-07	1.86E-07	6.82E-08	9.28E-08	3.47E-08	1.86E-07	6.82E-08
885	490336.7	3860835	6.01E-04	5.87E-04	5.79E-04	2.08E-07	6.28E-07	3.64E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.69E-08	1.20E-08	7.64E-08	1.18E-08	1.12E-08	1.78E-07	1.90E-07	6.96E-08	9.47E-08	3.54E-08	1.90E-07	6.96E-08
886	490386.7	3860835	6.14E-04	6.00E-04	5.92E-04	2.13E-07	6.42E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.84E-08	1.23E-08	7.81E-08	1.20E-08	1.15E-08	1.82E-07	1.94E-07	7.11E-08	9.68E-08	3.62E-08	1.94E-07	7.11E-08
887	490436.7	3860835	6.29E-04	6.13E-04	6.05E-04	2.18E-07	6.57E-07	3.80E-07	3.71E-07	3.36E-07	1.54E-07	1.51E-07	0.00E+00	0.00E+00	7.00E-08	1.26E-08	7.99E-08	1.23E-08	1.17E-08	1.87E-07	1.98E-07	7.28E-08	9.90E-08	3.70E-08	1.98E-07	7.28E-08
888	490486.7	3860835	6.43E-04	6.28E-04	6.19E-04	2.23E-07	6.72E-07	3.89E-07	3.80E-07	3.44E-07	1.57E-07	1.55E-07	0.00E+00	0.00E+00	7.16E-08	1.29E-08	8.18E-08	1.26E-08	1.20E-08	1.91E-07	2.03E-07	7.44E-08	1.01E-07	3.79E-08	2.03E-07	7.44E-08
889	490536.7	3860835	6.59E-04	6.43E-04	6.34E-04	2.28E-07	6.89E-07	3.99E-07	3.89E-07	3.53E-07	1.61E-07	1.59E-07	0.00E+00	0.00E+00	7.33E-08	1.32E-08	8.38E-08	1.29E-08	1.23E-08	1.96E-07	2.08E-07	7.63E-08	1.04E-07	3.88E-08	2.08E-07	7.63E-08
890	490586.7	3860835	6.75E-04	6.58E-04	6.50E-04	2.34E-07	7.05E-07	4.08E-07	3.98E-07	3.61E-07	1.65E-07	1.63E-07	0.00E+00	0.00E+00	7.51E-08	1.35E-08	8.58E-08	1.32E-08	1.26E-08	2.00E-07	2.13E-07	7.81E-08	1.06E-07	3.97E-08	2.13E-07	7.81E-08
891	490636.7	3860835	6.92E-04	6.75E-04	6.66E-04	2.39E-07	7.23E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.67E-07	0.00E+00	0.00E+00	7.70E-08	1.39E-08	8.80E-08	1.36E-08	1.29E-08	2.05E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
892	490686.7	3860835	7.10E-04	6.93E-04	6.83E-04	2.46E-07	7.42E-07	4.30E-07	4.19E-07	3.80E-07	1.73E-07	1.71E-07	0.00E+00	0.00E+00	7.90E-08	1.42E-08	9.03E-08	1.39E-08	1.32E-08	2.11E-07	2.24E-07	8.22E-08	1.12E-07	4.18E-08	2.24E-07	8.22E-08
893	490736.7	3860835	7.31E-04	7.13E-04	7.03E-04	2.53E-07	7.64E-07	4.42E-07	4.31E-07	3.91E-07	1.78E-07	1.76E-07	0.00E+00	0.00E+00	8.13E-08	1.46E-08	9.29E-08	1.43E-08	1.36E-08	2.17E-07	2.31E-07	8.46E-08	1.15E-07	4.30E-08	2.31E-07	8.46E-08
894	490086.7	3860885	5.25E-04	5.13E-04	5.06E-04	1.82E-07	5.49E-07	3.18E-07	3.10E-07	2.81E-07	1.28E-07	1.27E-07	0.00E+00	0.00E+00	5.85E-08	1.05E-08	6.68E-08	1.03E-08	9.80E-09	1.56E-07	1.66E-07	6.08E-08	8.27E-08	3.09E-08	1.66E-07	6.08E-08
895	490136.7	3860885	5.35E-04	5.22E-04	5.15E-04	1.85E-07	5.59E-07	3.24E-07	3.16E-07	2.86E-07	1.31E-07	1.29E-07	0.00E+00	0.00E+00	5.96E-08	1.07E-08	6.81E-08	1.05E-08	9.99E-09	1.59E-07	1.69E-07	6.20E-08	8.43E-08	3.15E-08	1.69E-07	6.20E-08
896	490186.7	3860885	5.45E-04	5.32E-04	5.25E-04	1.89E-07	5.70E-07	3.30E-07	3.22E-07	2.92E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.07E-08	1.09E-08	6.93E-08	1.07E-08	1.02E-08	1.62E-07	1.72E-07	6.31E-08	8.59E-08	3.21E-08	1.72E-07	6.31E-08
897	490236.7	3860885	5.56E-04	5.42E-04	5.35E-04	1.92E-07	5.81E-07	3.36E-07	3.28E-07	2.97E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.18E-08	1.11E-08	7.06E-08	1.09E-08	1.04E-08	1.65E-07	1.75E-07	6.43E-08	8.75E-08	3.27E-08	1.75E-07	6.43E-08
898	490286.7	3860885	5.66E-04	5.53E-04	5.45E-04	1.96E-07	5.92E-07	3.43E-07	3.34E-07	3.03E-07	1.38E-07	1.36E-07	0.00E+00	0.00E+00	6.30E-08	1.13E-08	7.20E-08	1.11E-08	1.06E-08	1.68E-07	1.79E-07	6.56E-08	8.92E-08	3.33E-08	1.79E-07	6.56E-08
899	490336.7	3860885	5.78E-04	5.64E-04	5.56E-04	2.00E-07	6.04E-07	3.49E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.43E-08	1.16E-08	7.34E-08	1.13E-08	1.08E-08	1.71E-07	1.82E-07	6.69E-08	9.10E-08	3.40E-08	1.82E-07	6.69E-08
900	490386.7	3860885	5.90E-04	5.76E-04	5.68E-04	2.04E-07	6.17E-07	3.57E-07	3.48E-07	3.16E-07	1.44E-07	1.42E-07	0.00E+00	0.00E+00	6.57E-08	1.18E-08	7.50E-08	1.16E-08	1.10E-08	1.75E-07	1.86E-07	6.83E-08	9.29E-08	3.47E-08	1.86E-07	6.83E-08
901	490436.7	3860885	6.03E-04	5.88E-04	5.80E-04	2.09E-07	6.30E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.71E-08	1.21E-08	7.67E-08	1.18E-08	1.12E-08	1.79E-07	1.90E-07	6.98E-08	9.50E-08	3.55E-08	1.90E-07	6.98E-08
902	490486.7	3860885	6.17E-04	6.02E-04	5.94E-04	2.13E-07	6.44E-07	3.73E-07	3.64E-07	3.30E-07	1.51E-07	1.49E-07	0.00E+00	0.00E+00	6.86E-08	1.24E-08	7.84E-08	1.21E-08	1.15E-08	1.83E-07	1.95E-07	7.14E-08	9.71E-08	3.63E-08	1.95E-07	7.14E-08
903	490536.7	3860885	6.31E-04	6.16E-04	6.08E-04	2.18E-07	6.60E-07	3.82E-07	3.73E-07	3.38E-07	1.54E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.26E-08	8.02E-08	1.24E-08	1.18E-08	1.87E-07	1.99E-07	7.30E-08	9.94E-08	3.71E-08	1.99E-07	7.30E-08
904	490586.7	3860885	6.46E-04	6.30E-04	6.22E-04	2.24E-07	6.75E-07	3.91E-07	3.81E-07	3.46E-07	1.58E-07	1.56E-07	0.00E+00	0.00E+00	7.19E-08	1.29E-08	8.21E-08	1.27E-08	1.21E-08	1.92E-07	2.04E-07	7.48E-08	1.02E-07	3.80E-08	2.04E-07	7.48E-08
905	490636.7	3860885	6.61E-04	6.45E-04	6.37E-04	2.29E-07	6.91E-07	4.00E-07	3.90E-07	3.54E-07	1.62E-07	1.59E-07	0.00E+00	0.00E+00	7.36E-08	1.33E-08	8.41E-08	1.30E-08	1.23E-08	1.96E-07	2.09E-07	7.66E-08	1.04E-07	3.89E-08	2.09E-07	7.66E-08
906	490686.7	3860885	6.78E-04	6.62E-04	6.53E-04	2.35E-07	7.09E-07	4.10E-07	4.01E-07	3.63E-07	1.66E-07	1.63E-07	0.00E+00	0.00E+00	7.55E-08	1.36E-08	8.63E-08	1.33E-08	1.27E-08	2.01E-07	2.14E-07	7.85E-08	1.07E-07	3.99E-08	2.14E-07	7.85E-08
907	490736.7	3860885	6.97E-04	6.80E-04	6.71E-04	2.41E-07	7.29E-07	4.22E-07	4.12E-07	3.73E-07	1.70E-07	1.68E-07	0.00E+00	0.00E+00	7.76E-08	1.40E-08	8.86E-08	1.37E-08	1.30E-08	2.07E-07	2.20E-07	8.07E-08	1.10E-07	4.10E-08	2.20E-07	8.07E-08
908	490086.7	3860935	5.07E-04	4.95E-04	4.89E-04	1.76E-07	5.30E-07	3.07E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.65E-08	1.02E-08	6.45E-08	9.95E-09	9.47E-09	1.51E-07	1.60E-07	5.87E-08	7.99E-08	2.99E-08	1.60E-07	5.87E-08
909	490136.7	3860935	5.17E-04	5.04E-04	4.97E-04	1.79E-07	5.40E-07	3.13E-07	3.05E-07	2.76E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.75E-08	1.04E-08	6.57E-08	1.01E-08	9.64E-09	1.53E-07	1.63E-07	5.98E-08	8.14E-08	3.04E-08	1.63E-07	5.98E-08
910	490186.7	3860935	5.26E-04	5.13E-04	5.06E-04	1.82E-07	5.49E-07	3.18E-07	3.10E-07	2.81E-07	1.28E-07	1.27E-07	0.00E+00	0.00E+00	5.85E-08	1.05E-08	6.68E-08	1.03E-08	9.81E-09	1.56E-07	1.66E-07	6.08E-08	8.28E-08	3.09E-08	1.66E-07	6.08E-08
911	490236.7	3860935	5.36E-04	5.23E-04	5.16E-04	1.85E-07	5.60E-07	3.24E-07	3.16E-07	2.87E-07	1.31E-07	1.29E-07	0.00E+00	0.00E+00	5.96E-08	1.07E-08	6.81E-08	1.05E-08	9.99E-09	1.59E-07	1.69E-07	6.20E-08	8.44E-08	3.15E-08	1.69E-07	6.20E-08
912	490286.7	3860935	5.46E-04	5.33E-04	5.26E-04	1.89E-07	5.71E-07	3.30E-07	3.22E-07	2.92E-07	1.33E-07	1.32E-07	0.00E+00	0.00E+00	6.08E-08	1.09E-08	6.94E-08	1.07E-08	1.02E-08	1.62E-07	1.72E-07	6.32E-08	8.60E-08	3.21E-08	1.72E-07	6.32E-08
913	490336.7	3860935	5.56E-04	5.43E-04	5.36E-04	1.93E-07	5.82E-07	3.37E-07	3.28E-07	2.98E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.19E-08	1.11E-08	7.08E-08	1.09E-08	1.04E-08	1.65E-07	1.76E-07	6.44E-08	8.76E-08	3.28E-08	1.76E-07	6.44E-08
914	490386.7	3860935	5.68E-04	5.54E-04	5.46E-04	1.96E-07	5.93E-07	3.43E-07	3.35E-07	3.04E-07	1.39E-07	1.37E-07	0.00E+00	0.00E+00	6.32E-08	1.14E-08	7.22E-08	1.11E-08	1.06E-08	1.68E-07	1.79E-07	6.57E-08	8.94E-08	3.34E-08	1.79E-07	6.57E-08
915	490436.7	3860935	5.80E-04	5.66E-04	5.58E-04	2.01E-07	6.06E-07	3.51E-07	3.42E-07	3.10E-07	1.42E-07	1.40E-07	0.00E+00	0.00E+00	6.46E-08	1.16E-08	7.38E-08	1.14E-08	1.08E-08	1.72E-07	1.83E-07	6.71E-08	9.14E-08	3.41E-08	1.83E-07	6.71E-08
916	490486.7	3860935	5.92E-04	5.78E-04	5.70E-04	2.05E-07	6.19E-07	3.58E-07	3.50E-07	3.17E-07	1.45E-07	1.43E-07	0.00E+00	0.00E+00	6.59E-08	1.19E-08	7.53E-08	1.16E-08	1.10E-08	1.76E-07	1.87E-07	6.85E-08	9.33E-08	3.49E-08	1.87E-07	6.85E-08
917	490536.7	3860935	6.05E-04	5.91E-04	5.83E-04	2.10E-07	6.33E-07	3.66E-07	3.57E-07	3.24E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.74E-08	1.21E-08	7.70E-08	1.19E-08	1.13E-08	1.80E-07	1.91E-07	7.01E-08	9.54E-08	3.56E-08	1.91E-07	7.01E-08

918	490586.7	3860935	6.19E-04	6.04E-04	5.96E-04	2.14E-07	6.47E-07	3.74E-07	3.65E-07	3.31E-07	1.51E-07	1.49E-07	0.00E+00	0.00E+00	6.89E-08	1.24E-08	7.87E-08	1.21E-08	1.15E-08	1.84E-07	1.95E-07	7.16E-08	9.74E-08	3.64E-08	1.95E-07	7.16E-08
919	490636.7	3860935	6.34E-04	6.18E-04	6.10E-04	2.19E-07	6.62E-07	3.83E-07	3.74E-07	3.39E-07	1.55E-07	1.53E-07	0.00E+00	0.00E+00	7.05E-08	1.27E-08	8.06E-08	1.24E-08	1.18E-08	1.88E-07	2.00E-07	7.33E-08	9.98E-08	3.73E-08	2.00E-07	7.33E-08
920	490686.7	3860935	6.49E-04	6.34E-04	6.25E-04	2.25E-07	6.79E-07	3.93E-07	3.83E-07	3.48E-07	1.59E-07	1.56E-07	0.00E+00	0.00E+00	7.23E-08	1.30E-08	8.26E-08	1.27E-08	1.21E-08	1.93E-07	2.05E-07	7.52E-08	1.02E-07	3.82E-08	2.05E-07	7.52E-08
921	490736.7	3860935	6.66E-04	6.50E-04	6.41E-04	2.31E-07	6.96E-07	4.03E-07	3.93E-07	3.56E-07	1.63E-07	1.60E-07	0.00E+00	0.00E+00	7.41E-08	1.33E-08	8.47E-08	1.31E-08	1.24E-08	1.98E-07	2.10E-07	7.71E-08	1.05E-07	3.92E-08	2.10E-07	7.71E-08
922	490786.7	3860935	6.84E-04	6.67E-04	6.58E-04	2.37E-07	7.15E-07	4.14E-07	4.04E-07	3.66E-07	1.67E-07	1.65E-07	0.00E+00	0.00E+00	7.61E-08	1.37E-08	8.69E-08	1.34E-08	1.28E-08	2.03E-07	2.16E-07	7.91E-08	1.08E-07	4.02E-08	2.16E-07	7.91E-08
923	490836.7	3860935	7.04E-04	6.87E-04	6.77E-04	2.44E-07	7.35E-07	4.26E-07	4.15E-07	3.77E-07	1.72E-07	1.70E-07	0.00E+00	0.00E+00	7.83E-08	1.41E-08	8.95E-08	1.38E-08	1.31E-08	2.09E-07	2.22E-07	8.15E-08	1.11E-07	4.14E-08	2.22E-07	8.15E-08
924	490086.7	3860985	4.92E-04	4.80E-04	4.74E-04	1.70E-07	5.14E-07	2.98E-07	2.91E-07	2.63E-07	1.20E-07	1.19E-07	0.00E+00	0.00E+00	5.48E-08	9.86E-09	6.26E-08	9.65E-09	9.18E-09	1.46E-07	1.55E-07	5.70E-08	7.75E-08	2.90E-08	1.55E-07	5.70E-08
925	490136.7	3860985	5.00E-04	4.88E-04	4.81E-04	1.73E-07	5.23E-07	3.02E-07	2.95E-07	2.68E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.56E-08	1.00E-08	6.36E-08	9.80E-09	9.33E-09	1.48E-07	1.58E-07	5.79E-08	7.88E-08	2.94E-08	1.58E-07	5.79E-08
926	490186.7	3860985	5.09E-04	4.97E-04	4.90E-04	1.76E-07	5.32E-07	3.08E-07	3.01E-07	2.72E-07	1.24E-07	1.23E-07	0.00E+00	0.00E+00	5.67E-08	1.02E-08	6.47E-08	9.98E-09	9.50E-09	1.51E-07	1.61E-07	5.89E-08	8.02E-08	3.00E-08	1.61E-07	5.89E-08
927	490236.7	3860985	5.17E-04	5.05E-04	4.98E-04	1.79E-07	5.41E-07	3.13E-07	3.05E-07	2.77E-07	1.26E-07	1.25E-07	0.00E+00	0.00E+00	5.76E-08	1.04E-08	6.58E-08	1.01E-08	9.65E-09	1.54E-07	1.63E-07	5.99E-08	8.15E-08	3.05E-08	1.63E-07	5.99E-08
928	490286.7	3860985	5.27E-04	5.14E-04	5.07E-04	1.82E-07	5.51E-07	3.19E-07	3.11E-07	2.82E-07	1.29E-07	1.27E-07	0.00E+00	0.00E+00	5.87E-08	1.06E-08	6.70E-08	1.03E-08	9.83E-09	1.56E-07	1.66E-07	6.10E-08	8.30E-08	3.10E-08	1.66E-07	6.10E-08
929	490336.7	3860985	5.37E-04	5.24E-04	5.17E-04	1.86E-07	5.61E-07	3.25E-07	3.17E-07	2.87E-07	1.31E-07	1.29E-07	0.00E+00	0.00E+00	5.98E-08	1.08E-08	6.83E-08	1.05E-08	1.00E-08	1.59E-07	1.69E-07	6.21E-08	8.46E-08	3.16E-08	1.69E-07	6.21E-08
930	490386.7	3860985	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.09E-08	1.10E-08	6.96E-08	1.07E-08	1.02E-08	1.62E-07	1.73E-07	6.33E-08	8.62E-08	3.22E-08	1.73E-07	6.33E-08
931	490436.7	3860985	5.59E-04	5.45E-04	5.38E-04	1.93E-07	5.84E-07	3.38E-07	3.30E-07	2.99E-07	1.36E-07	1.35E-07	0.00E+00	0.00E+00	6.22E-08	1.12E-08	7.11E-08	1.10E-08	1.04E-08	1.66E-07	1.76E-07	6.47E-08	8.80E-08	3.29E-08	1.76E-07	6.47E-08
932	490486.7	3860985	5.70E-04	5.56E-04	5.49E-04	1.97E-07	5.96E-07	3.45E-07	3.37E-07	3.05E-07	1.39E-07	1.37E-07	0.00E+00	0.00E+00	6.35E-08	1.14E-08	7.25E-08	1.12E-08	1.06E-08	1.69E-07	1.80E-07	6.60E-08	8.98E-08	3.36E-08	1.80E-07	6.60E-08
933	490536.7	3860985	5.82E-04	5.68E-04	5.60E-04	2.01E-07	6.08E-07	3.52E-07	3.43E-07	3.11E-07	1.42E-07	1.40E-07	0.00E+00	0.00E+00	6.47E-08	1.17E-08	7.40E-08	1.14E-08	1.09E-08	1.73E-07	1.84E-07	6.73E-08	9.16E-08	3.42E-08	1.84E-07	6.73E-08
934	490586.7	3860985	5.95E-04	5.80E-04	5.72E-04	2.06E-07	6.21E-07	3.60E-07	3.51E-07	3.18E-07	1.45E-07	1.43E-07	0.00E+00	0.00E+00	6.62E-08	1.19E-08	7.56E-08	1.17E-08	1.11E-08	1.76E-07	1.88E-07	6.88E-08	9.37E-08	3.50E-08	1.88E-07	6.88E-08
935	490636.7	3860985	6.08E-04	5.93E-04	5.85E-04	2.10E-07	6.35E-07	3.68E-07	3.59E-07	3.25E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.77E-08	1.22E-08	7.73E-08	1.19E-08	1.13E-08	1.80E-07	1.92E-07	7.04E-08	9.57E-08	3.58E-08	1.92E-07	7.04E-08
936	490686.7	3860985	6.22E-04	6.07E-04	5.99E-04	2.15E-07	6.50E-07	3.76E-07	3.67E-07	3.33E-07	1.52E-07	1.50E-07	0.00E+00	0.00E+00	6.92E-08	1.25E-08	7.91E-08	1.22E-08	1.16E-08	1.85E-07	1.96E-07	7.20E-08	9.80E-08	3.66E-08	1.96E-07	7.20E-08
937	490736.7	3860985	6.37E-04	6.21E-04	6.13E-04	2.20E-07	6.66E-07	3.85E-07	3.76E-07	3.41E-07	1.56E-07	1.53E-07	0.00E+00	0.00E+00	7.09E-08	1.28E-08	8.10E-08	1.25E-08	1.19E-08	1.89E-07	2.01E-07	7.37E-08	1.00E-07	3.75E-08	2.01E-07	7.37E-08
938	490786.7	3860985	6.53E-04	6.38E-04	6.29E-04	2.26E-07	6.83E-07	3.95E-07	3.86E-07	3.50E-07	1.60E-07	1.57E-07	0.00E+00	0.00E+00	7.27E-08	1.31E-08	8.31E-08	1.28E-08	1.22E-08	1.94E-07	2.06E-07	7.56E-08	1.03E-07	3.85E-08	2.06E-07	7.56E-08
939	490836.7	3860985	6.71E-04	6.55E-04	6.46E-04	2.32E-07	7.02E-07	4.06E-07	3.96E-07	3.59E-07	1.64E-07	1.62E-07	0.00E+00	0.00E+00	7.47E-08	1.35E-08	8.54E-08	1.32E-08	1.25E-08	1.99E-07	2.12E-07	7.77E-08	1.06E-07	3.95E-08	2.12E-07	7.77E-08
940	490086.7	3861035	4.77E-04	4.65E-04	4.59E-04	1.65E-07	4.98E-07	2.88E-07	2.81E-07	2.55E-07	1.16E-07	1.15E-07	0.00E+00	0.00E+00	5.31E-08	9.55E-09	6.06E-08	9.35E-09	8.89E-09	1.41E-07	1.50E-07	5.52E-08	7.51E-08	2.81E-08	1.50E-07	5.52E-08
941	490136.7	3861035	4.85E-04	4.73E-04	4.67E-04	1.68E-07	5.07E-07	2.93E-07	2.86E-07	2.60E-07	1.18E-07	1.17E-07	0.00E+00	0.00E+00	5.40E-08	9.72E-09	6.17E-08	9.51E-09	9.05E-09	1.44E-07	1.53E-07	5.61E-08	7.64E-08	2.86E-08	1.53E-07	5.61E-08
942	490186.7	3861035	4.93E-04	4.81E-04	4.75E-04	1.71E-07	5.15E-07	2.98E-07	2.91E-07	2.64E-07	1.20E-07	1.19E-07	0.00E+00	0.00E+00	5.49E-08	9.88E-09	6.27E-08	9.67E-09	9.20E-09	1.46E-07	1.56E-07	5.71E-08	7.76E-08	2.90E-08	1.56E-07	5.71E-08
943	490236.7	3861035	5.02E-04	4.89E-04	4.83E-04	1.74E-07	5.24E-07	3.03E-07	2.96E-07	2.68E-07	1.22E-07	1.21E-07	0.00E+00	0.00E+00	5.58E-08	1.01E-08	6.38E-08	9.84E-09	9.36E-09	1.49E-07	1.58E-07	5.81E-08	7.90E-08	2.95E-08	1.58E-07	5.81E-08
944	490286.7	3861035	5.10E-04	4.98E-04	4.91E-04	1.77E-07	5.33E-07	3.09E-07	3.01E-07	2.73E-07	1.25E-07	1.23E-07	0.00E+00	0.00E+00	5.68E-08	1.02E-08	6.48E-08	1.00E-08	9.51E-09	1.51E-07	1.61E-07	5.90E-08	8.03E-08	3.00E-08	1.61E-07	5.90E-08
945	490336.7	3861035	5.19E-04	5.06E-04	5.00E-04	1.80E-07	5.42E-07	3.14E-07	3.06E-07	2.78E-07	1.27E-07	1.25E-07	0.00E+00	0.00E+00	5.78E-08	1.04E-08	6.60E-08	1.02E-08	9.68E-09	1.54E-07	1.64E-07	6.01E-08	8.18E-08	3.06E-08	1.64E-07	6.01E-08
946	490386.7	3861035	5.29E-04	5.17E-04	5.10E-04	1.83E-07	5.53E-07	3.20E-07	3.13E-07	2.83E-07	1.29E-07	1.28E-07	0.00E+00	0.00E+00	5.89E-08	1.06E-08	6.73E-08	1.04E-08	9.88E-09	1.57E-07	1.67E-07	6.13E-08	8.34E-08	3.12E-08	1.67E-07	6.13E-08
947	490436.7	3861035	5.39E-04	5.26E-04	5.19E-04	1.87E-07	5.64E-07	3.26E-07	3.18E-07	2.89E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	6.00E-08	1.08E-08	6.86E-08	1.06E-08	1.01E-08	1.60E-07	1.70E-07	6.24E-08	8.50E-08	3.18E-08	1.70E-07	6.24E-08
948	490486.7	3861035	5.50E-04	5.36E-04	5.29E-04	1.90E-07	5.75E-07	3.33E-07	3.25E-07	2.94E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.12E-08	1.10E-08	6.99E-08	1.08E-08	1.03E-08	1.63E-07	1.73E-07	6.36E-08	8.66E-08	3.24E-08	1.73E-07	6.36E-08
949	490536.7	3861035	5.61E-04	5.47E-04	5.40E-04	1.94E-07	5.86E-07	3.39E-07	3.31E-07	3.00E-07	1.37E-07	1.35E-07	0.00E+00	0.00E+00	6.24E-08	1.12E-08	7.13E-08	1.10E-08	1.05E-08	1.66E-07	1.77E-07	6.49E-08	8.84E-08	3.30E-08	1.77E-07	6.49E-08
950	490586.7	3861035	5.73E-04	5.59E-04	5.51E-04	1.98E-07	5.98E-07	3.46E-07	3.38E-07	3.06E-07	1.40E-07	1.38E-07	0.00E+00	0.00E+00	6.37E-08	1.15E-08	7.28E-08	1.12E-08	1.07E-08	1.70E-07	1.81E-07	6.63E-08	9.02E-08	3.37E-08	1.81E-07	6.63E-08
951	490636.7	3861035	5.85E-04	5.70E-04	5.63E-04	2.02E-07	6.11E-07	3.54E-07	3.45E-07	3.13E-07	1.43E-07	1.41E-07	0.00E+00	0.00E+00	6.51E-08	1.17E-08	7.43E-08	1.15E-08	1.09E-08	1.73E-07	1.84E-07	6.77E-08	9.21E-08	3.44E-08	1.84E-07	6.77E-08
952	490686.7	3861035	5.97E-04	5.83E-04	5.75E-04	2.07E-07	6.24E-07	3.61E-07	3.53E-07	3.20E-07	1.46E-07	1.44E-07	0.00E+00	0.00E+00	6.65E-08	1.20E-08	7.60E-08	1.17E-08	1.11E-08	1.77E-07	1.89E-07	6.92E-08	9.41E-08	3.52E-08	1.89E-07	6.92E-08
953	490736.7	3861035	6.11E-04	5.96E-04	5.88E-04	2.12E-07	6.39E-07	3.70E-07	3.61E-07	3.27E-07	1.49E-07	1.47E-07	0.00E+00	0.00E+00	6.80E-08	1.22E-08	7.77E-08	1.20E-08	1.14E-08	1.81E-07	1.93E-07	7.07E-08	9.63E-08	3.60E-08	1.93E-07	7.07E-08
954	490786.7	3861035	6.26E-04	6.11E-04	6.02E-04	2.17E-07	6.54E-07	3.79E-07	3.69E-07	3.35E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.96E-08	1.25E-08	7.96E-08	1.23E-08	1.17E-08	1.86E-07	1.97E-07	7.24E-08	9.86E-08	3.68E-08	1.97E-07	7.24E-08
955	490836.7	3861035	6.41E-04	6.26E-04	6.18E-04	2.22E-07	6.70E-07	3.88E-07	3.79E-07	3.43E-07	1.57E-07	1.55E-07	0.00E+00	0.00E+00	7.14E-08	1.29E-08	8.16E-08	1.26E-08	1.20E-08	1.90E-07	2.02E-07	7.42E-08	1.01E-07	3.78E-08	2.02E-07	7.42E-08
956	490086.7	3861085	4.63E-04	4.52E-04	4.46E-04	1.60E-07	4.84E-07	2.80E-07	2.74E-07	2.48E-07	1.13E-07	1.12E-07	0.00E+00	0.00E+00	5.16E-08	9.29E-09	5.89E-08	9.09E-09	8.65E-09	1.38E-07	1.46E-07	5.36E-08	7.30E-08	2.73E-08	1.46E-07	5.36E-08
957	490136.7	3861085	4.71E-04	4.59E-04	4.53E-04	1.63E-07	4.92E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.13E-07	0.00E+00	0.00E+00	5.24E-08	9.44E-09	5.99E-08	9.23E-09	8.79E-09	1.40E-07	1.49E-07	5.45E-08	7.42E-08	2.77E-08	1.49E-07	5.45E-08
958	490186.7	3861085	4.79E-04	4.68E-04	4.61E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.33E-08	9.60E-09	6.09E-08	9.40E-09	8.94E-09	1.42E-07	1.51E-07	5.55E-08	7.55E-08	2.82E-08	1.51E-07	5.55E-08
959	490236.7	3861085	4.87E-04	4.75E-04	4.69E-04	1.68E-07	5.09E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	0.00E+00	0.00E+00	5.42E-08	9.75E-09	6.19E-08	9.54E-09	9.08E-09	1.44E-07	1.54E-07	5.63E-08	7.67E-08	2.86E-08	1.54E-07	5.63E-08
960	490286.7	3861085	4.95E-04	4.83E-04	4.76E-04	1.71E-07	5.17E-07	2.99E-07	2.92E-07	2.65E-07	1.21E-07	1.19E-07	0.00E+00	0.00E+00	5.50E-08	9.91E-09	6.29E-08	9.70E-09	9.23E-09	1.47E-07	1.56E-07	5.72E-08	7.79E-08	2.91E-08	1.56E-07	5.72E-08
961	490336.7	3861085	5.03E-04	4.91E-04	4.84E-04	1.74E-07	5.26E-07	3.04E-07	2.97E-07	2.69E-07	1.23E-07	1.21E-07	0.00E+00	0.00E+00	5.60E-08	1.01E-08	6.39E-08	9.86E-09	9.38E-09	1.49E-07	1.59E-07	5.82E-08	7.92E-08	2.96E-08	1.59E-07	5.82E-08
962	490386.7	3861085	5.12E-04	5.00E-04	4.93E-04	1.77E-07	5.36E-07	3.10E-07	3.03E-07	2.74E-07	1.25E-07	1.23E-07	0.00E+00	0.00E+00	5.70E-08	1.03E-08	6.52E-08	1.00E-08	9.56E-09	1.52E-07	1.62E-07	5.93E-08	8.07E-08	3.02E-08	1.62E-07	5.93E-08
963	490436.7	3861085	5.22E-04	5.09E-04	5.02E-04	1.81E-07	5.45E-07	3.16E-07	3.08E-07	2.79E-07	1.27E-07	1.26E-07	0.00E+00	0.00E+00	5.81E-08	1.05E-08	6.63E-08	1.02E-08	9.73E-09	1.55E-07	1.65E-07	6.04E-08	8.22E-08	3.07E-08	1.65E-07	6.04E-08
964	490486.7	3861085	5.31E-04	5.19E-04	5.12E-04	1.84E-07	5.55E-07	3.22E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.92E-08	1.07E-08	6.76E-08	1.04E-08	9.92E-09	1.58E-07	1.68E-07	6.15E-08	8.37E-08	3.13E-08	1.68E-07	6.15E-08
965	490536.7	3861085	5.42E-04	5.29E-04	5.22E-04	1.88E-07	5.66E-07	3.28E-07	3.20E-07	2.90E-07	1.32E-07	1.31E-07	0.00E+00	0.00E+00	6.03E-08	1.09E-08	6.89E-08	1.06E-08	1.01E-08	1.61E-07	1.71E-07	6.27E-08	8.54E-08	3.19E-08	1.71E-07	6.27E-08
966	490586.7	3861085	5.52E-04	5.39E-04	5.32E-04	1.91E-07	5.77E-07	3.34E-07	3.26E-07	2.96E-07	1.35E-07	1.33E-07	0.00E+00	0.00E+00	6.15E-08	1.11E-08	7.02E-08	1.08E-08	1.03E-08	1.64E-07	1.74E-07	6.39E-08	8.70E-08	3.25E-08	1.74E-07	6.39E-08
967	490636.7	3861085	5.63E-04	5.50E-04	5.42E-04	1.95E-07	5.89E-07	3.41E-07	3.33E-07	3.02E-07	1.38E-07	1.36E-07	0.00E+00	0.00E+00	6.27E-08	1.13E-08	7.16E-08	1.10E-08	1.05E-08	1.67E-07	1.78E-07	6.52E-08	8.88E-08	3.32E-08	1.78E-07	6.52E-08
968	490686.7	3861085	5.75E-04	5.61E-04	5.54E-04	1.99E-07	6.01E-07	3.48E-07	3.40E-07	3.08E-07	1.40E-07	1.39E-07	0.00E+00	0.00E+00	6.40E-08	1.15E-08	7.31E-08	1.13E-08	1.07E-08	1.71E-07	1.81E-07	6.66E-08	9.06E-08	3.39E-08	1.81E-07	6.66E-08
969	490736.7	3861085	5.87E-04	5.73E-04	5.66E-04	2.03E-07	6.14E-07	3.55E-07	3.47E-07	3.14E-07	1.43E-07	1.42E-07	0.00E+00	0.00E+00	6.54E-08	1.18E-08	7.47E-08	1.15E-08	1.10E-08	1.74E-07	1.85E-07	6.80E-08	9.25E-08	3.46E-08	1.85E-07	6.80E-08
970	490786.7	3861085	6.01E-04	5.86E-04	5.78E-04	2.08E-07	6.28E-07	3.63E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.69E-08	1.20E-08	7.64E-08	1.18E-08	1.12E-08	1.78E-07	1.90E-07	6.95E-08	9.46E-08	3.54E-08	1.90E-07	6.95E-08
971	490836.7	3861085	6.15E-04	6.00E-04	5.92E-04	2.13E-07	6.43E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.84E-08	1.23E-08	7.82E-08	1.21E-08	1.15E-08	1.82E-07	1.94E-07	7.12E-08	9.69E-08	3.62E-08	1.94E-07	7.12E-08
972	490086.7	3861135	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.02E-08	9.03E-09	5.73E-08	8.84E-09	8.41E-09	1.34E-07	1.42E-07	5.22E-08	7.10E-08	2.65E-08	1.42E-07	5.22E-08
973	490136.7	3861135	4.58E-04	4.47E-04	4.41E-04	1.58E-07	4.78E-07	2.77E-07	2.70E-07	2.45E-07	1.12E-07	1.10E-07	0.00E+00	0.00E+00	5.09E-08	9.17E-09	5.82E-08	8.97E-09	8.54E-09	1.36E-07	1.44E-07	5.30E-08	7.21E-08	2.69E-08	1.44E-07	5.30E-08
974	490186.7	3861135	4.65E-04	4.54E-04	4.48E-04	1.61E-07	4.86E-07	2.81E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	5.18E-08	9.32E-09	5.91E-08	9.12E-09	8.68E-09	1.38E-07	1.47E-07	5.38E-08	7.33E-08	2.74E-08	1.47E-07	5.38E-08
975	490236.7	3861135	4.73E-04	4.61E-04	4.55E-04	1.64E-07	4.94E-07	2.86E-07	2.79E-07	2.53E-07	1.15E-07	1.14E-07	0.00E+00	0.00E+00	5.26E-08	9.47E-09	6.01E-08	9.27E-09	8.82E-09	1.40E-07	1.49E-07	5.47E-08	7.44E-08	2.78E-08	1.49E-07	5.47E-08
976	490286.7	3861135	4.80E-04	4.68E-04	4.62E-04	1.66E-07	5.02E-07	2.90E-07	2.83E-07	2.57E-07	1.17E-07	1.16E-07	0.00E+00	0.00E+00	5.34E-08	9.62E-09	6.10E-08	9.41E-09	8.96E-09	1.42E-07	1.52E-07	5.56E-08	7.56E-08	2.83E-08	1.52E-07	5.56E-08
977	490336.7	3861135	4.88E-04	4.77E-04	4.70E-04	1.69E-07	5.10E-07	2.95E-07	2.88E-07	2.61E-07	1.19E-07	1.18E-07	0.00E+00	0.00E+00	5.44E-08	9.79E-09	6.21E-08	9.58E-09	9.11E-09	1.45E-07	1.54E-07	5.65E-08	7.69E-08	2.87E-08	1.54E-07	5.65E-08
978	490386.7	3861135	4.97E-04	4.85E-04	4.78E-04	1.72E-07	5.19E-07	3.00E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	0.00E+00	0.00E+00	5.53E-08	9.95E-09	6.32E-08	9.74E-09	9.27E-09	1.47E-07	1.57E-07	5.75E-08	7.82E-08	2.92E-08	1.57E-07	5.75E-08
979	490436.7	3861135	5.05E-04	4.93E-04	4.87E-04	1.75E-07	5.28E-07	3.06E-07	2.98E-07	2.70E-07	1.23E-07	1.22E-07	0.00E+00	0.00E+00	5.62E-08	1.01E-08	6.43E-08	9.91E-09	9.43E-09	1.50E-07	1.59E-07	5.85E-08	7.96E-08	2.97E-08	1.59E-07	5.85E-08
980	490486.7	3861135	5.14E-04	5.02E-04	4.95E-04	1.78E-07	5.38E-07	3.11E-07	3.04E-07	2.75E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.73E-08	1.03E-08	6.54E-08	1.01E-08	9.60E-09	1.53E-07	1.62E-07	5.96E-08	8.10E-08	3.03E-08	1.62E-07	5.96E-08
981	490536.7	3861135	5.24E-04	5.11E-04	5.05E-04	1.81E-07	5.48E-07	3.17E-07	3.09E-07	2.80E-07	1.28E-07	1.26E-07	0.00E+00	0.00E+00	5.83E-08	1.05E-08	6.66E-08	1.03E-08	9.78E-09	1.56E-07	1.65E-07	6.07E-08	8.25E-08	3.08E-08	1.65E-07	6.07E-08
982	490586.7	3861135	5.34E-04	5.21E-04	5.14E-04	1.85E-07	5.58E-07	3.23E-07	3.15E-07	2.86E-07	1.30E-07	1.29E-07	0.00E+00	0.00E+00	5.94E-08	1.07E-08	6.79E-08	1.05E-08	9.96E-09	1.58E-07	1.69E-07	6.18E-08	8.41E-08	3.14E-08	1.69E-07	6.18E-08
983	490636.7	3861135	5.44E-04	5.31E-04	5.24E-04	1.88E-07	5.68E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.05E-08	1.09E-08	6.92E-08	1.07E-08	1.01E-08	1.61E-07	1.72E-07	6.30E-08	8.57E-08	3.20E-08	1.72E-07	6.30E-08
984	490686.7	3861135	5.55E-04	5.41E-04	5.34E-04	1.92E-07	5.80E-07	3.36E-07	3.28E-07	2.97E-07	1.35E-07	1.34E-07	0.00E+00	0.00E+00	6.17E-08	1.11E-08	7.05E-08	1.09E-08	1.04E-08	1.65E-07	1.75E-07	6.42E-08	8.74E-08	3.27E-08	1.75E-07	6.42E-08
985	490736.7	3861135	5.66E-04	5.53E-04	5.45E-04	1.96E-07	5.92E-07	3.43E-07	3.34E-07	3.03E-07	1.38E-07	1.36E-07	0.00E+00	0.00E+00	6.30E-08	1.13E-08	7.20E-08	1.11E-08	1.06E-08	1.68E-07	1.79E-07	6.56E-08	8.92E-08	3.33E-08	1.79E-07	6.56E-08
986	490786.7	3861135	5.78E-04	5.64E-04	5.57E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.10E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.44E-08	1.16E-08	7.35E-08	1.13E-08	1.08E-08	1.72E-07	1.83E-07	6.69E-08	9.11E-08	3.40E-08	1.83E-07	6.69E-08
987	490836.7	3861135	5.92E-04	5.77E-04	5.70E-04	2.05E-07	6.18E-07	3.58E-07	3.49E-07	3.17E-07	1.44E-07	1.43E-07	0.00E+00	0.00E+00	6.59E-08	1.19E-08	7.52E-08	1.16E-08	1.10E-08	1.76E-07	1.87E-07	6.85E-08	9.32E-08	3.48E-08	1.87E-07	6.85E-08
988	490086.7	3861185	4.39E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.88E-08	8.79E-09	5.58E-08	8.60E-09	8.18E-09	1.30E-07	1.38E-07	5.08E-08	6.91E-08	2.58E-08	1.38E-07	5.08E-08
989	490136.7	3861185	4.44E-04	4.34E-04	4.28E-04	1.54E-07	4.64E-07	2.69E-07	2.62E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.95E-08	8.90E-09	5.65E-08	8.71E-09	8.29E-09	1.32E-07	1.40E-07	5.14E-08	7.00E-08	2.62E-08	1.40E-07	5.14E-08
990	490186.7	3861185	4.51E-04	4.40E-04	4.35E-04	1.56E-07	4.72E-07	2.73E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.02E-08	9.05E-09	5.74E-08	8.85E-09	8.42E-09	1.34E-07	1.42E-07	5.23E-08	7.11E-08	2.66E-08	1.42E-07	5.23E-08
991	490236.7	3861185	4.59E-04	4.48E-04	4.42E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	5.11E-08	9.20E-09	5.84E-08	9.00E-09	8.56E-09	1.36E-07	1.45E-07	5.31E-08	7.23E-08	2.70E-08	1.45E-07	5.31E-08
992	490286.7	3861185	4.66E-04	4.55E-04	4.49E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.50E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	5.19E-08	9.35E-09	5.93E-08	9.15E-09	8.70E-09	1.38E-07	1.47E-07	5.40E-08	7.35E-08	2.75E-08	1.47E-07	5.40E-08
993	490336.7	3861185	4.73E-04	4.62E-04	4.56E-04	1.64E-07	4.95E-07	2.86E-07	2.79E-07	2.53E-07	1.16E-07	1.14E-07	0.00E+00	0.00E+00	5.27E-08	9.49E-09	6.02E-08	9.28E-09	8.83E-09	1.40E-07	1.49E-07	5.48E-08	7.46E-08	2.79E-08	1.49E-07	5.48E-08
994	490386.7	3861185	4.82E-04	4.70E-04	4.64E-04	1.67E-07	5.03E-07	2.91E-07	2.84E-07	2.58E-07	1.18E-07	1.16E-07	0.00E+00	0.00E+00	5.36E-08	9.65E-09	6.13E-08	9.45E-09	8.99E-09	1.43E-07	1.52E-07	5.58E-08	7.59E-08	2.84E-08	1.52E-07	5.58E-08

995	490436.7	3861185	4.90E-04	4.78E-04	4.72E-04	1.70E-07	5.12E-07	2.96E-07	2.89E-07	2.62E-07	1.20E-07	1.18E-07	0.00E+00	0.00E+00	5.45E-08	9.82E-09	6.23E-08	9.61E-09	9.14E-09	1.45E-07	1.55E-07	5.67E-08	7.72E-08	2.88E-08	1.55E-07	5.67E-08
996	490486.7	3861185	4.98E-04	4.86E-04	4.80E-04	1.72E-07	5.21E-07	3.01E-07	2.94E-07	2.67E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.55E-08	9.99E-09	6.34E-08	9.77E-09	9.30E-09	1.48E-07	1.57E-07	5.77E-08	7.85E-08	2.93E-08	1.57E-07	5.77E-08
997	490536.7	3861185	5.07E-04	4.95E-04	4.89E-04	1.76E-07	5.30E-07	3.07E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.65E-08	1.02E-08	6.45E-08	9.95E-09	9.47E-09	1.51E-07	1.60E-07	5.87E-08	7.99E-08	2.99E-08	1.60E-07	5.87E-08
998	490586.7	3861185	5.17E-04	5.04E-04	4.98E-04	1.79E-07	5.40E-07	3.13E-07	3.05E-07	2.77E-07	1.26E-07	1.25E-07	0.00E+00	0.00E+00	5.75E-08	1.04E-08	6.57E-08	1.01E-08	9.65E-09	1.53E-07	1.63E-07	5.98E-08	8.14E-08	3.04E-08	1.63E-07	5.98E-08
999	490636.7	3861185	5.26E-04	5.13E-04	5.07E-04	1.82E-07	5.50E-07	3.18E-07	3.11E-07	2.82E-07	1.28E-07	1.27E-07	0.00E+00	0.00E+00	5.86E-08	1.05E-08	6.69E-08	1.03E-08	9.82E-09	1.56E-07	1.66E-07	6.09E-08	8.29E-08	3.10E-08	1.66E-07	6.09E-08
1000	490686.7	3861185	5.36E-04	5.23E-04	5.16E-04	1.86E-07	5.60E-07	3.24E-07	3.16E-07	2.87E-07	1.31E-07	1.29E-07	0.00E+00	0.00E+00	5.97E-08	1.07E-08	6.82E-08	1.05E-08	1.00E-08	1.59E-07	1.69E-07	6.20E-08	8.44E-08	3.16E-08	1.69E-07	6.20E-08
1001	490736.7	3861185	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.09E-08	1.10E-08	6.95E-08	1.07E-08	1.02E-08	1.62E-07	1.73E-07	6.33E-08	8.61E-08	3.22E-08	1.73E-07	6.33E-08
1002	490786.7	3861185	5.58E-04	5.45E-04	5.37E-04	1.93E-07	5.83E-07	3.38E-07	3.29E-07	2.99E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.21E-08	1.12E-08	7.10E-08	1.09E-08	1.04E-08	1.66E-07	1.76E-07	6.46E-08	8.79E-08	3.28E-08	1.76E-07	6.46E-08
1003	490836.7	3861185	5.70E-04	5.56E-04	5.49E-04	1.97E-07	5.96E-07	3.45E-07	3.37E-07	3.05E-07	1.39E-07	1.37E-07	0.00E+00	0.00E+00	6.35E-08	1.14E-08	7.25E-08	1.12E-08	1.06E-08	1.69E-07	1.80E-07	6.60E-08	8.98E-08	3.36E-08	1.80E-07	6.60E-08
1004	490086.7	3861235	4.26E-04	4.16E-04	4.11E-04	1.48E-07	4.46E-07	2.58E-07	2.52E-07	2.28E-07	1.04E-07	1.03E-07	0.00E+00	0.00E+00	4.75E-08	8.55E-09	5.42E-08	8.36E-09	7.96E-09	1.27E-07	1.35E-07	4.94E-08	6.72E-08	2.51E-08	1.35E-07	4.94E-08
1005	490136.7	3861235	4.33E-04	4.22E-04	4.17E-04	1.50E-07	4.52E-07	2.62E-07	2.55E-07	2.32E-07	1.06E-07	1.04E-07	0.00E+00	0.00E+00	4.82E-08	8.67E-09	5.50E-08	8.49E-09	8.07E-09	1.28E-07	1.37E-07	5.01E-08	6.82E-08	2.55E-08	1.37E-07	5.01E-08
1006	490186.7	3861235	4.39E-04	4.29E-04	4.23E-04	1.52E-07	4.59E-07	2.66E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.89E-08	8.81E-09	5.59E-08	8.62E-09	8.20E-09	1.30E-07	1.39E-07	5.09E-08	6.92E-08	2.59E-08	1.39E-07	5.09E-08
1007	490236.7	3861235	4.46E-04	4.35E-04	4.29E-04	1.54E-07	4.66E-07	2.70E-07	2.63E-07	2.39E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.96E-08	8.94E-09	5.67E-08	8.75E-09	8.32E-09	1.32E-07	1.41E-07	5.16E-08	7.03E-08	2.63E-08	1.41E-07	5.16E-08
1008	490386.7	3861235	4.67E-04	4.56E-04	4.50E-04	1.62E-07	4.88E-07	2.83E-07	2.76E-07	2.50E-07	1.14E-07	1.13E-07	0.00E+00	0.00E+00	5.20E-08	9.36E-09	5.94E-08	9.16E-09	8.72E-09	1.39E-07	1.47E-07	5.41E-08	7.36E-08	2.75E-08	1.47E-07	5.41E-08
1009	490436.7	3861235	4.75E-04	4.64E-04	4.57E-04	1.64E-07	4.97E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	0.00E+00	0.00E+00	5.29E-08	9.52E-09	6.04E-08	9.32E-09	8.86E-09	1.41E-07	1.50E-07	5.50E-08	7.48E-08	2.80E-08	1.50E-07	5.50E-08
1010	490486.7	3861235	4.83E-04	4.71E-04	4.65E-04	1.67E-07	5.05E-07	2.92E-07	2.85E-07	2.58E-07	1.18E-07	1.16E-07	0.00E+00	0.00E+00	5.38E-08	9.68E-09	6.14E-08	9.47E-09	9.01E-09	1.43E-07	1.52E-07	5.59E-08	7.61E-08	2.84E-08	1.52E-07	5.59E-08
1011	490536.7	3861235	4.92E-04	4.80E-04	4.74E-04	1.70E-07	5.14E-07	2.98E-07	2.91E-07	2.63E-07	1.20E-07	1.19E-07	0.00E+00	0.00E+00	5.48E-08	9.86E-09	6.26E-08	9.65E-09	9.18E-09	1.46E-07	1.55E-07	5.70E-08	7.75E-08	2.90E-08	1.55E-07	5.70E-08
1012	490586.7	3861235	5.01E-04	4.89E-04	4.82E-04	1.73E-07	5.23E-07	3.03E-07	2.96E-07	2.68E-07	1.22E-07	1.21E-07	0.00E+00	0.00E+00	5.57E-08	1.00E-08	6.37E-08	9.82E-09	9.34E-09	1.49E-07	1.58E-07	5.80E-08	7.89E-08	2.95E-08	1.58E-07	5.80E-08
1013	490636.7	3861235	5.09E-04	4.97E-04	4.90E-04	1.76E-07	5.32E-07	3.08E-07	3.01E-07	2.72E-07	1.24E-07	1.23E-07	0.00E+00	0.00E+00	5.67E-08	1.02E-08	6.47E-08	9.98E-09	9.50E-09	1.51E-07	1.61E-07	5.89E-08	8.02E-08	3.00E-08	1.61E-07	5.89E-08
1014	490686.7	3861235	5.19E-04	5.06E-04	4.99E-04	1.80E-07	5.42E-07	3.14E-07	3.06E-07	2.78E-07	1.27E-07	1.25E-07	0.00E+00	0.00E+00	5.77E-08	1.04E-08	6.60E-08	1.02E-08	9.68E-09	1.54E-07	1.64E-07	6.00E-08	8.17E-08	3.05E-08	1.64E-07	6.00E-08
1015	490736.7	3861235	5.29E-04	5.16E-04	5.09E-04	1.83E-07	5.52E-07	3.20E-07	3.12E-07	2.83E-07	1.29E-07	1.27E-07	0.00E+00	0.00E+00	5.88E-08	1.06E-08	6.72E-08	1.04E-08	9.86E-09	1.57E-07	1.67E-07	6.12E-08	8.33E-08	3.11E-08	1.67E-07	6.12E-08
1016	490786.7	3861235	5.39E-04	5.26E-04	5.19E-04	1.87E-07	5.64E-07	3.26E-07	3.18E-07	2.89E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	6.00E-08	1.08E-08	6.86E-08	1.06E-08	1.01E-08	1.60E-07	1.70E-07	6.24E-08	8.50E-08	3.18E-08	1.70E-07	6.24E-08
1017	490836.7	3861235	5.51E-04	5.37E-04	5.30E-04	1.91E-07	5.75E-07	3.33E-07	3.25E-07	2.95E-07	1.34E-07	1.33E-07	0.00E+00	0.00E+00	6.13E-08	1.10E-08	7.00E-08	1.08E-08	1.03E-08	1.63E-07	1.74E-07	6.37E-08	8.67E-08	3.24E-08	1.74E-07	6.37E-08
1018	490086.7	3861285	4.16E-04	4.06E-04	4.00E-04	1.44E-07	4.35E-07	2.52E-07	2.45E-07	2.22E-07	1.02E-07	1.00E-07	0.00E+00	0.00E+00	4.63E-08	8.33E-09	5.29E-08	8.15E-09	7.76E-09	1.23E-07	1.31E-07	4.81E-08	6.55E-08	2.45E-08	1.31E-07	4.81E-08
1019	490136.7	3861285	4.22E-04	4.12E-04	4.06E-04	1.46E-07	4.41E-07	2.55E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.70E-08	8.46E-09	5.37E-08	8.27E-09	7.87E-09	1.25E-07	1.33E-07	4.88E-08	6.65E-08	2.48E-08	1.33E-07	4.88E-08
1020	490186.7	3861285	4.27E-04	4.17E-04	4.11E-04	1.48E-07	4.47E-07	2.59E-07	2.52E-07	2.29E-07	1.04E-07	1.03E-07	0.00E+00	0.00E+00	4.76E-08	8.56E-09	5.43E-08	8.38E-09	7.97E-09	1.27E-07	1.35E-07	4.95E-08	6.73E-08	2.52E-08	1.35E-07	4.95E-08
1021	490236.7	3861285	4.34E-04	4.23E-04	4.18E-04	1.50E-07	4.54E-07	2.63E-07	2.56E-07	2.32E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.83E-08	8.70E-09	5.52E-08	8.51E-09	8.10E-09	1.29E-07	1.37E-07	5.02E-08	6.84E-08	2.55E-08	1.37E-07	5.02E-08
1022	490386.7	3861285	4.54E-04	4.43E-04	4.37E-04	1.57E-07	4.74E-07	2.75E-07	2.68E-07	2.43E-07	1.11E-07	1.09E-07	0.00E+00	0.00E+00	5.05E-08	9.10E-09	5.77E-08	8.90E-09	8.47E-09	1.35E-07	1.43E-07	5.25E-08	7.15E-08	2.67E-08	1.43E-07	5.25E-08
1023	490436.7	3861285	4.61E-04	4.50E-04	4.44E-04	1.60E-07	4.82E-07	2.79E-07	2.72E-07	2.47E-07	1.13E-07	1.11E-07	0.00E+00	0.00E+00	5.14E-08	9.25E-09	5.87E-08	9.05E-09	8.61E-09	1.37E-07	1.46E-07	5.34E-08	7.27E-08	2.72E-08	1.46E-07	5.34E-08
1024	490486.7	3861285	4.69E-04	4.57E-04	4.51E-04	1.62E-07	4.90E-07	2.84E-07	2.77E-07	2.51E-07	1.14E-07	1.13E-07	0.00E+00	0.00E+00	5.22E-08	9.40E-09	5.96E-08	9.19E-09	8.75E-09	1.39E-07	1.48E-07	5.43E-08	7.39E-08	2.76E-08	1.48E-07	5.43E-08
1025	490536.7	3861285	4.77E-04	4.65E-04	4.59E-04	1.65E-07	4.98E-07	2.88E-07	2.81E-07	2.55E-07	1.16E-07	1.15E-07	0.00E+00	0.00E+00	5.31E-08	9.55E-09	6.06E-08	9.35E-09	8.89E-09	1.41E-07	1.50E-07	5.52E-08	7.51E-08	2.81E-08	1.50E-07	5.52E-08
1026	490586.7	3861285	4.85E-04	4.74E-04	4.67E-04	1.68E-07	5.07E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	0.00E+00	0.00E+00	5.40E-08	9.73E-09	6.17E-08	9.52E-09	9.06E-09	1.44E-07	1.53E-07	5.62E-08	7.65E-08	2.86E-08	1.53E-07	5.62E-08
1027	490636.7	3861285	4.93E-04	4.81E-04	4.75E-04	1.71E-07	5.16E-07	2.98E-07	2.91E-07	2.64E-07	1.20E-07	1.19E-07	0.00E+00	0.00E+00	5.49E-08	9.89E-09	6.27E-08	9.67E-09	9.20E-09	1.46E-07	1.56E-07	5.71E-08	7.77E-08	2.90E-08	1.56E-07	5.71E-08
1028	490686.7	3861285	5.02E-04	4.90E-04	4.83E-04	1.74E-07	5.25E-07	3.04E-07	2.96E-07	2.69E-07	1.23E-07	1.21E-07	0.00E+00	0.00E+00	5.59E-08	1.01E-08	6.38E-08	9.84E-09	9.37E-09	1.49E-07	1.58E-07	5.81E-08	7.91E-08	2.96E-08	1.58E-07	5.81E-08
1029	490736.7	3861285	5.12E-04	5.00E-04	4.93E-04	1.77E-07	5.35E-07	3.10E-07	3.02E-07	2.74E-07	1.25E-07	1.23E-07	0.00E+00	0.00E+00	5.70E-08	1.03E-08	6.51E-08	1.00E-08	9.55E-09	1.52E-07	1.62E-07	5.93E-08	8.07E-08	3.01E-08	1.62E-07	5.93E-08
1030	490786.7	3861285	5.21E-04	5.08E-04	5.02E-04	1.80E-07	5.45E-07	3.15E-07	3.08E-07	2.79E-07	1.27E-07	1.26E-07	0.00E+00	0.00E+00	5.80E-08	1.04E-08	6.63E-08	1.02E-08	9.72E-09	1.55E-07	1.64E-07	6.03E-08	8.21E-08	3.07E-08	1.64E-07	6.03E-08
1031	490836.7	3861285	5.31E-04	5.18E-04	5.11E-04	1.84E-07	5.55E-07	3.21E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.91E-08	1.06E-08	6.75E-08	1.04E-08	9.91E-09	1.58E-07	1.68E-07	6.15E-08	8.37E-08	3.13E-08	1.68E-07	6.15E-08
1032	490061.2	3859716	4.51E-03	4.40E-03	4.34E-03	1.56E-06	4.71E-06	2.73E-06	2.66E-06	2.41E-06	1.10E-06	1.09E-06	0.00E+00	0.00E+00	5.02E-07	9.04E-08	5.74E-07	8.84E-08	8.41E-08	1.34E-06	1.42E-06	5.22E-07	7.10E-07	2.65E-07	1.42E-06	5.22E-07
1033	490111.2	3859716	5.47E-03	5.34E-03	5.27E-03	1.89E-06	5.72E-06	3.31E-06	3.23E-06	2.93E-06	1.34E-06	1.32E-06	0.00E+00	0.00E+00	6.09E-07	1.10E-07	6.96E-07	1.07E-07	1.02E-07	1.62E-06	1.73E-06	6.33E-07	8.62E-07	3.22E-07	1.73E-06	6.33E-07
1034	490161.2	3859716	6.86E-03	6.69E-03	6.60E-03	2.37E-06	7.17E-06	4.15E-06	4.05E-06	3.67E-06	1.67E-06	1.65E-06	0.00E+00	0.00E+00	7.63E-07	1.37E-07	8.72E-07	1.34E-07	1.28E-07	2.03E-06	2.16E-06	7.94E-07	1.08E-06	4.04E-07	2.16E-06	7.94E-07
1035	490211.2	3859716	8.95E-03	8.73E-03	8.61E-03	3.10E-06	9.35E-06	5.41E-06	5.28E-06	4.79E-06	2.19E-06	2.16E-06	0.00E+00	0.00E+00	9.96E-07	1.79E-07	1.14E-06	1.75E-07	1.67E-07	2.66E-06	2.82E-06	1.04E-06	1.41E-06	5.27E-07	2.82E-06	1.04E-06
1036	490061.2	3859766	3.17E-03	3.09E-03	3.05E-03	1.10E-06	3.31E-06	1.92E-06	1.87E-06	1.69E-06	7.73E-07	7.63E-07	0.00E+00	0.00E+00	3.52E-07	6.34E-08	4.03E-07	6.21E-08	5.91E-08	9.40E-07	9.99E-07	3.66E-07	4.99E-07	1.86E-07	9.99E-07	3.66E-07
1037	490111.2	3859766	3.61E-03	3.52E-03	3.48E-03	1.25E-06	3.77E-06	2.18E-06	2.13E-06	1.93E-06	8.82E-07	8.70E-07	0.00E+00	0.00E+00	4.02E-07	7.24E-08	4.59E-07	7.08E-08	6.74E-08	1.07E-06	1.14E-06	4.18E-07	5.69E-07	2.13E-07	1.14E-06	4.18E-07
1038	490161.2	3859766	4.18E-03	4.08E-03	4.02E-03	1.45E-06	4.37E-06	2.53E-06	2.47E-06	2.24E-06	1.02E-06	1.01E-06	0.00E+00	0.00E+00	4.65E-07	8.38E-08	5.32E-07	8.20E-08	7.80E-08	1.24E-06	1.32E-06	4.84E-07	6.58E-07	2.46E-07	1.32E-06	4.84E-07
1039	490211.2	3859766	4.95E-03	4.83E-03	4.77E-03	1.71E-06	5.18E-06	3.00E-06	2.93E-06	2.65E-06	1.21E-06	1.19E-06	0.00E+00	0.00E+00	5.51E-07	9.93E-08	6.30E-07	9.72E-08	9.24E-08	1.47E-06	1.56E-06	5.73E-07	7.80E-07	2.92E-07	1.56E-06	5.73E-07
1040	490061.2	3859816	2.44E-03	2.38E-03	2.35E-03	8.46E-07	2.55E-06	1.48E-06	1.44E-06	1.31E-06	5.97E-07	5.89E-07	0.00E+00	0.00E+00	2.72E-07	4.90E-08	3.11E-07	4.79E-08	4.56E-08	7.25E-07	7.71E-07	2.83E-07	3.85E-07	1.44E-07	7.71E-07	2.83E-07
1041	490111.2	3859816	2.69E-03	2.63E-03	2.59E-03	9.32E-07	2.82E-06	1.63E-06	1.59E-06	1.44E-06	6.58E-07	6.49E-07	0.00E+00	0.00E+00	3.00E-07	5.40E-08	3.43E-07	5.28E-08	5.03E-08	8.00E-07	8.50E-07	3.12E-07	4.24E-07	1.59E-07	8.50E-07	3.12E-07
1042	490161.2	3859816	3.00E-03	2.93E-03	2.89E-03	1.04E-06	3.14E-06	1.82E-06	1.77E-06	1.61E-06	7.33E-07	7.23E-07	0.00E+00	0.00E+00	3.34E-07	6.01E-08	3.82E-07	5.88E-08	5.60E-08	8.91E-07	9.47E-07	3.47E-07	4.73E-07	1.77E-07	9.47E-07	3.47E-07
1043	490211.2	3859816	3.38E-03	3.30E-03	3.25E-03	1.17E-06	3.53E-06	2.04E-06	1.99E-06	1.81E-06	8.25E-07	8.14E-07	0.00E+00	0.00E+00	3.76E-07	6.77E-08	4.30E-07	6.63E-08	6.30E-08	1.00E-06	1.07E-06	3.91E-07	5.32E-07	1.99E-07	1.07E-06	3.91E-07
1044	490061.2	3859866	2.00E-03	1.95E-03	1.92E-03	6.92E-07	2.09E-06	1.21E-06	1.18E-06	1.07E-06	4.88E-07	4.81E-07	0.00E+00	0.00E+00	2.22E-07	4.00E-08	2.54E-07	3.92E-08	3.73E-08	5.93E-07	6.30E-07	2.31E-07	3.15E-07	1.18E-07	6.30E-07	2.31E-07
1045	490111.2	3859866	2.16E-03	2.11E-03	2.08E-03	7.48E-07	2.26E-06	1.31E-06	1.28E-06	1.16E-06	5.27E-07	5.20E-07	0.00E+00	0.00E+00	2.40E-07	4.33E-08	2.75E-07	4.24E-08	4.03E-08	6.41E-07	6.82E-07	2.50E-07	3.40E-07	1.27E-07	6.82E-07	2.50E-07
1046	490161.2	3859866	2.35E-03	2.29E-03	2.26E-03	8.14E-07	2.46E-06	1.42E-06	1.39E-06	1.26E-06	5.74E-07	5.66E-07	0.00E+00	0.00E+00	2.62E-07	4.71E-08	2.99E-07	4.61E-08	4.39E-08	6.98E-07	7.42E-07	2.72E-07	3.70E-07	1.38E-07	7.42E-07	2.72E-07
1047	490211.2	3859866	2.57E-03	2.51E-03	2.48E-03	8.91E-07	2.69E-06	1.56E-06	1.52E-06	1.38E-06	6.29E-07	6.20E-07	0.00E+00	0.00E+00	2.87E-07	5.16E-08	3.27E-07	5.05E-08	4.80E-08	7.64E-07	8.13E-07	2.98E-07	4.06E-07	1.52E-07	8.13E-07	2.98E-07
1048	490061.2	3859916	1.70E-03	1.66E-03	1.63E-03	5.87E-07	1.77E-06	1.03E-06	1.00E-06	9.08E-07	4.14E-07	4.09E-07	0.00E+00	0.00E+00	1.89E-07	3.40E-08	2.16E-07	3.33E-08	3.16E-08	5.03E-07	5.35E-07	1.96E-07	2.67E-07	9.98E-08	5.35E-07	1.96E-07
1049	490111.2	3859916	1.81E-03	1.77E-03	1.74E-03	6.27E-07	1.89E-06	1.10E-06	1.07E-06	9.69E-07	4.42E-07	4.36E-07	0.00E+00	0.00E+00	2.02E-07	3.63E-08	2.30E-07	3.55E-08	3.38E-08	5.37E-07	5.71E-07	2.10E-07	2.85E-07	1.07E-07	5.71E-07	2.10E-07
1050	490161.2	3859916	1.94E-03	1.89E-03	1.87E-03	6.71E-07	2.03E-06	1.17E-06	1.15E-06	1.04E-06	4.74E-07	4.67E-07	0.00E+00	0.00E+00	2.16E-07	3.89E-08	2.47E-07	3.80E-08	3.62E-08	5.76E-07	6.12E-07	2.25E-07	3.06E-07	1.14E-07	6.12E-07	2.25E-07
1051	490211.2	3859916	2.09E-03	2.03E-03	2.01E-03	7.22E-07	2.18E-06	1.26E-06	1.23E-06	1.12E-06	5.09E-07	5.02E-07	0.00E+00	0.00E+00	2.32E-07	4.18E-08	2.65E-07	4.09E-08	3.89E-08	6.19E-07	6.58E-07	2.41E-07	3.28E-07	1.23E-07	6.58E-07	2.41E-07
1052	490229.3	3859815	3.56E-03	3.48E-03	3.43E-03	1.23E-06	3.73E-06	2.16E-06	2.10E-06	1.91E-06	8.71E-07	8.59E-07	0.00E+00	0.00E+00	3.97E-07	7.14E-08	4.53E-07	6.99E-08	6.65E-08	1.06E-06	1.13E-06	4.13E-07	5.62E-07	2.10E-07	1.13E-06	4.13E-07
1053	490279.3	3859815	4.10E-03	4.00E-03	3.95E-03	1.42E-06	4.28E-06	2.48E-06	2.42E-06	2.19E-06	1.00E-06	9.88E-07	0.00E+00	0.00E+00	4.56E-07	8.22E-08	5.21E-07	8.04E-08	7.65E-08	1.22E-06	1.29E-06	4.75E-07	6.46E-07	2.41E-07	1.29E-06	4.75E-07
1054	490329.3	3859815	4.81E-03	4.69E-03	4.63E-03	1.66E-06	5.03E-06	2.91E-06	2.84E-06	2.57E-06	1.17E-06	1.16E-06	0.00E+00	0.00E+00	5.35E-07	9.64E-08	6.11E-07	9.43E-08	8.97E-08	1.43E-06	1.52E-06	5.57E-07	7.57E-07	2.83E-07	1.52E-06	5.57E-07
1055	490379.3	3859815	5.84E-03	5.70E-03	5.62E-03	2.02E-06	6.10E-06	3.53E-06	3.45E-06	3.12E-06	1.43E-06	1.41E-06	0.00E+00	0.00E+00	6.50E-07	1.17E-07	7.42E-07	1.14E-07	1.09E-07	1.73E-06	1.84E-06	6.76E-07	9.20E-07	3.44E-07	1.84E-06	6.76E-07
1056	490429.3	3859815	7.43E-03	7.25E-03	7.15E-03	2.57E-06	7.76E-06	4.49E-06	4.38E-06	3.97E-06	1.81E-06	1.79E-06	0.00E+00	0.00E+00	8.27E-07	1.49E-07	9.44E-07	1.46E-07	1.39E-07	2.20E-06	2.34E-06	8.60E-07	1.17E-06	4.37E-07	2.34E-06	8.60E-07
1057	490229.3	3859865	2.68E-03	2.61E-03	2.58E-03	9.27E-07	2.80E-06	1.62E-06	1.58E-06	1.43E-06	6.54E-07	6.45E-07	0.00E+00	0.00E+00	2.98E-07	5.37E-08	3.41E-07	5.25E-08	5.00E-08	7.95E-07	8.45E-07	3.10E-07	4.22E-07	1.58E-07	8.45E-07	3.10E-07
1058	490279.3	3859865	2.97E-03	2.89E-03	2.86E-03	1.03E-06	3.10E-06	1.79E-06	1.75E-06	1.59E-06	7.24E-07	7.15E-07	0.00E+00	0.00E+00	3.30E-07	5.94E-08	3.77E-07	5.82E-08	5.53E-08	8.80E-07	9.36E-07	3.43E-07	4.67E-07	1.75E-07	9.36E-07	3.43E-07
1059	490329.3	3859865	3.32E-03	3.24E-03	3.20E-03	1.15E-06	3.47E-06	2.01E-06	1.96E-06	1.78E-06	8.12E-07	8.01E-07	0.00E+00	0.00E+00	3.70E-07	6.66E-08	4.23E-07	6.52E-08	6.20E-08	9.86E-07	1.05E-06	3.85E-07	5.24E-07	1.96E-07	1.05E-06	3.85E-07
1060	490379.3	3859865	3.79E-03	3.69E-03	3.65E-03	1.31E-06	3.96E-06	2.29E-06	2.24E-06	2.03E-06	9.25E-07	9.12E-07	0.00E+00	0.00E+00	4.21E-07	7.59E-08	4.81E-07	7.43E-08	7.06E-08	1.12E-06	1.19E-06	4.38E-07	5.96E-07	2.23E-07	1.19E-06	4.38E-07
1061	490429.3	3859865	4.40E-03	4.29E-03	4.24E-03	1.52E-06	4.60E-06	2.66E-06	2.60E-06	2.36E-06	1.07E-06	1.06E-06	0.00E+00	0.00E+00	4.90E-07	8.82E-08	5.60E-07	8.63E-08	8.21E-08	1.31E-06	1.39E-06	5.09E-07	6.93E-07	2.59E-07	1.39E-06	5.09E-07
1062	490229.3	3859915	2.15E-03	2.10E-03	2.07E-03	7.45E-07	2.25E-06	1.30E-06	1.27E-06	1.15E-06	5.25E-07	5.18E-07	0.00E+00	0.00E+00	2.39E-07	4.31E-08	2.74E-07	4.22E-08	4.01E-08	6.39E-07	6.79E-07	2.49E-07	3.39E-07	1.27E-07	6.79E-07	2.49E-07
1063	490279.3	3859915	2.33E-03	2.27E-03	2.24E-03	8.06E-07	2.43E-06	1.41E-06	1.37E-06	1.25E-06	5.69E-07	5.61E-07	0.00E+00	0.00E+00	2.59E-07	4.67E-08	2.96E-07	4.57E-08	4.35E-08	6.91E-07	7.35E-07	2.70E-07	3.67E-07	1.37E-07	7.35E-07	2.70E-07
1064	490329.3	3859915	2.54E-03	2.48E-03	2.45E-03	8.80E-07	2.66E-06	1.54E-06	1.50E-06	1.36E-06	6.21E-07	6.13E-07	0.00E+00	0.00E+00	2.83E-07	5.10E-08	3.23E-07	4.99E-08	4.74E-08	7.55E-07	8.02E-07	2.94E-07	4.01E-07	1.50E-07	8.02E-07	2.94E-07
1065	490379.3	3859915	2.80E-03	2.73E-03	2.70E-03	9.70E-07	2.93E-06	1.69E-06	1.65E-06	1.50E-06	6.84E-07	6.75E-07	0.00E+00	0.00E+00	3.12E-07	5.61E-08	3.56E-07	5.49E-08	5.23E-08	8.31E-07	8.84E-07	3.24E-07	4.41E-07	1.65E-07	8.84E-07	3.24E-07
1066	490429.3	3859915	3.12E-03	3.04E-03	3.00E-03	1.08E-06	3.26E-06	1.89E-06	1.84E-06	1.67E-06	7.61E-07	7.51E-07	0.00E+00	0.00E+00	3.47E-07	6.25E-08	3.96E-07	6.11E-08	5.82E-08	9.25E-07	9.84E-07	3.61E-07	4.91E-07	1.84E-07	9.84E-07	3.61E-07
1067	490451.4	3859873	4.45E-03	4.34E-03	4.28E-03	1.54E-06	4.65E-06	2.69E-06	2.62E-06	2.38E-06	1.09E-06	1.07E-06	0.00E+00	0.00E+00	4.95E-07	8.91E-08	5.65E-07	8.72E-08	8.29E-08	1.32E-06	1.40E-06	5.15E-07	7.00E-07	2.62E-07	1.40E-06	5.15E-07
1068	490501.4	3859873	5.33E-03	5.20E-03	5.13E-03	1.85E-06	5.57E-06	3.23E-06	3.15E-06	2.85E-06	1.30E-06	1.28E-06	0.00E+00	0.00E+00	5.94E-07	1.07E-07	6.78E-07	1.05E-07	9.95E-08	1.58E-06	1.68E-06	6.17E-07	8.40E-07	3.14E-07	1.68E-06	6.17E-07
1069	490551.4	3859873	6.70E-03	6.54E-03	6.45E-03	2.32E-06	7.00E-06	4.05E-06	3.95E-06	3.59E-06	1.64E-06	1.61E-06	0.00E+00	0.00E+00	7.46E-07	1.34E-07	8.52E-07	1.31E-07	1.25E-07	1.99E-06	2.11E-06	7.75E-07	1.06E-06	3.94E-07	2.11E-06	7.75E-07
1070	490601.4	3859873	8.85E-03	8.64E-03	8.52E-03	3.06E-06	9.25E-06	5.36E-06	5.23E-06	4.74E-06	2.16E-06	2.13E-06	0.00E+00	0.00E+00	9.86E-07	1.77E-07	1.13E-06	1.74E-07	1.65E-07	2.63E-06	2.79E-06	1.02E-06	1.39E-06	5.21E-07	2.79E-06	1.02E-06
1071	490451.4	3859923	3.14E-03	3.07E-03	3.03E-03	1.09E-06	3.28E-06	1.90E-06	1.86E-06	1.68E-06	7.68E-07	7.57E-07	0.00E+00	0.00E+00	3.50E-07	6.30E-08	4.00E-07	6.16E-08	5.86E-08	9.33E-07	9.92E-07	3.64E-07	4.95E-07	1.85E-07	9.92E-07	3.64E-07

1072	490501.4	3859923	3.56E-03	3.47E-03	3.43E-03	1.23E-06	3.72E-06	2.15E-06	2.10E-06	1.90E-06	8.69E-07	8.57E-07	0.00E+00	0.00E+00	3.96E-07	7.13E-08	4.52E-07	6.98E-08	6.64E-08	1.06E-06	1.12E-06	4.12E-07	5.60E-07	2.09E-07	1.12E-06	4.12E-07
1073	490551.4	3859923	4.12E-03	4.02E-03	3.97E-03	1.43E-06	4.31E-06	2.50E-06	2.43E-06	2.21E-06	1.01E-06	9.94E-07	0.00E+00	0.00E+00	4.59E-07	8.26E-08	5.24E-07	8.09E-08	7.69E-08	1.22E-06	1.30E-06	4.77E-07	6.50E-07	2.43E-07	1.30E-06	4.77E-07
1074	490601.4	3859923	4.91E-03	4.79E-03	4.73E-03	1.70E-06	5.13E-06	2.97E-06	2.90E-06	2.63E-06	1.20E-06	1.18E-06	0.00E+00	0.00E+00	5.47E-07	9.84E-08	6.24E-07	9.63E-08	9.16E-08	1.46E-06	1.55E-06	5.68E-07	7.74E-07	2.89E-07	1.55E-06	5.68E-07
1075	482129.7	3852241	5.94E-03	5.80E-03	5.72E-03	2.06E-06	6.21E-06	3.60E-06	3.51E-06	3.18E-06	1.45E-06	1.43E-06	0.00E+00	0.00E+00	6.62E-07	1.19E-07	7.56E-07	1.17E-07	1.11E-07	1.76E-06	1.88E-06	6.88E-07	9.36E-07	3.50E-07	1.88E-06	6.88E-07
1076	482029.7	3852291	1.11E-02	1.08E-02	1.07E-02	3.83E-06	1.16E-05	6.70E-06	6.54E-06	5.93E-06	2.71E-06	2.67E-06	0.00E+00	0.00E+00	1.23E-06	2.22E-07	1.41E-06	2.17E-07	2.07E-07	3.29E-06	3.50E-06	1.28E-06	1.74E-06	6.52E-07	3.50E-06	1.28E-06
1077	482079.7	3852291	8.60E-03	8.39E-03	8.28E-03	2.98E-06	8.98E-06	5.20E-06	5.08E-06	4.60E-06	2.10E-06	2.07E-06	0.00E+00	0.00E+00	9.57E-07	1.72E-07	1.09E-06	1.69E-07	1.60E-07	2.55E-06	2.71E-06	9.95E-07	1.35E-06	5.06E-07	2.71E-06	9.95E-07
1078	482129.7	3852291	6.99E-03	6.82E-03	6.73E-03	2.42E-06	7.31E-06	4.23E-06	4.13E-06	3.74E-06	1.71E-06	1.68E-06	0.00E+00	0.00E+00	7.78E-07	1.40E-07	8.89E-07	1.37E-07	1.30E-07	2.07E-06	2.21E-06	8.09E-07	1.10E-06	4.11E-07	2.21E-06	8.09E-07
1079	482179.7	3852291	5.82E-03	5.68E-03	5.60E-03	2.01E-06	6.08E-06	3.52E-06	3.43E-06	3.11E-06	1.42E-06	1.40E-06	0.00E+00	0.00E+00	6.47E-07	1.17E-07	7.40E-07	1.14E-07	1.09E-07	1.73E-06	1.84E-06	6.73E-07	9.16E-07	3.42E-07	1.84E-06	6.73E-07
1080	482229.7	3852291	4.93E-03	4.81E-03	4.74E-03	1.71E-06	5.15E-06	2.98E-06	2.91E-06	2.64E-06	1.20E-06	1.19E-06	0.00E+00	0.00E+00	5.48E-07	9.87E-08	6.26E-07	9.66E-08	9.19E-08	1.46E-06	1.55E-06	5.70E-07	7.76E-07	2.90E-07	1.55E-06	5.70E-07
1081	482029.7	3852341	1.53E-02	1.49E-02	1.47E-02	5.28E-06	1.60E-05	9.24E-06	9.01E-06	8.17E-06	3.73E-06	3.68E-06	0.00E+00	0.00E+00	1.70E-06	3.06E-07	1.94E-06	2.99E-07	2.85E-07	4.53E-06	4.82E-06	1.77E-06	2.40E-06	8.99E-07	4.82E-06	1.77E-06
1082	482079.7	3852341	1.10E-02	1.07E-02	1.06E-02	3.80E-06	1.15E-05	6.64E-06	6.48E-06	5.88E-06	2.68E-06	2.65E-06	0.00E+00	0.00E+00	1.22E-06	2.20E-07	1.40E-06	2.15E-07	2.05E-07	3.26E-06	3.47E-06	1.27E-06	1.73E-06	6.46E-07	3.47E-06	1.27E-06
1083	482129.7	3852341	8.53E-03	8.32E-03	8.21E-03	2.95E-06	8.91E-06	5.16E-06	5.04E-06	4.56E-06	2.08E-06	2.06E-06	0.00E+00	0.00E+00	9.49E-07	1.71E-07	1.08E-06	1.67E-07	1.59E-07	2.53E-06	2.69E-06	9.87E-07	1.34E-06	5.02E-07	2.69E-06	9.87E-07
1084	482179.7	3852341	6.91E-03	6.74E-03	6.65E-03	2.39E-06	7.22E-06	4.18E-06	4.08E-06	3.70E-06	1.69E-06	1.66E-06	0.00E+00	0.00E+00	7.69E-07	1.38E-07	8.79E-07	1.35E-07	1.29E-07	2.05E-06	2.18E-06	8.00E-07	1.09E-06	4.07E-07	2.18E-06	8.00E-07
1085	482259.1	3852400	6.52E-03	6.36E-03	6.28E-03	2.26E-06	6.81E-06	3.94E-06	3.85E-06	3.49E-06	1.59E-06	1.57E-06	0.00E+00	0.00E+00	7.26E-07	1.31E-07	8.29E-07	1.28E-07	1.22E-07	1.93E-06	2.06E-06	7.55E-07	1.03E-06	3.84E-07	2.06E-06	7.55E-07
1086	482309.1	3852400	5.39E-03	5.26E-03	5.19E-03	1.86E-06	5.63E-06	3.26E-06	3.18E-06	2.88E-06	1.32E-06	1.30E-06	0.00E+00	0.00E+00	6.00E-07	1.08E-07	6.85E-07	1.06E-07	1.01E-07	1.60E-06	1.70E-06	6.24E-07	8.49E-07	3.17E-07	1.70E-06	6.24E-07
1087	482209.1	3852450	9.76E-03	9.52E-03	9.39E-03	3.38E-06	1.02E-05	5.90E-06	5.76E-06	5.22E-06	2.38E-06	2.35E-06	0.00E+00	0.00E+00	1.09E-06	1.96E-07	1.24E-06	1.91E-07	1.82E-07	2.90E-06	3.08E-06	1.13E-06	1.54E-06	5.74E-07	3.08E-06	1.13E-06
1088	482259.1	3852450	7.78E-03	7.59E-03	7.49E-03	2.69E-06	8.13E-06	4.71E-06	4.59E-06	4.16E-06	1.90E-06	1.88E-06	0.00E+00	0.00E+00	8.66E-07	1.56E-07	9.90E-07	1.53E-07	1.45E-07	2.31E-06	2.46E-06	9.01E-07	1.23E-06	4.58E-07	2.46E-06	9.01E-07
1089	482309.1	3852450	6.36E-03	6.20E-03	6.12E-03	2.20E-06	6.64E-06	3.85E-06	3.75E-06	3.40E-06	1.55E-06	1.53E-06	0.00E+00	0.00E+00	7.08E-07	1.27E-07	8.08E-07	1.25E-07	1.19E-07	1.89E-06	2.01E-06	7.36E-07	1.00E-06	3.74E-07	2.01E-06	7.36E-07
1090	482209.1	3852500	1.28E-02	1.25E-02	1.24E-02	4.45E-06	1.34E-05	7.77E-06	7.58E-06	6.88E-06	3.14E-06	3.10E-06	0.00E+00	0.00E+00	1.43E-06	2.57E-07	1.63E-06	2.52E-07	2.40E-07	3.81E-06	4.05E-06	1.49E-06	2.02E-06	7.56E-07	4.05E-06	1.49E-06
1091	482259.1	3852500	9.66E-03	9.43E-03	9.31E-03	3.35E-06	1.01E-05	5.85E-06	5.71E-06	5.17E-06	2.36E-06	2.33E-06	0.00E+00	0.00E+00	1.08E-06	1.94E-07	1.23E-06	1.90E-07	1.80E-07	2.87E-06	3.05E-06	1.12E-06	1.52E-06	5.69E-07	3.05E-06	1.12E-06
1092	482309.1	3852500	7.65E-03	7.47E-03	7.37E-03	2.65E-06	8.00E-06	4.63E-06	4.52E-06	4.10E-06	1.87E-06	1.84E-06	0.00E+00	0.00E+00	8.52E-07	1.53E-07	9.73E-07	1.50E-07	1.43E-07	2.27E-06	2.42E-06	8.86E-07	1.21E-06	4.51E-07	2.42E-06	8.86E-07
1093	482283.9	3852514	9.11E-03	8.89E-03	8.77E-03	3.15E-06	9.52E-06	5.51E-06	5.38E-06	4.88E-06	2.22E-06	2.20E-06	0.00E+00	0.00E+00	1.01E-06	1.83E-07	1.16E-06	1.79E-07	1.70E-07	2.70E-06	2.88E-06	1.05E-06	1.44E-06	5.36E-07	2.88E-06	1.05E-06
1094	482333.9	3852514	7.31E-03	7.13E-03	7.04E-03	2.53E-06	7.64E-06	4.42E-06	4.32E-06	3.91E-06	1.79E-06	1.76E-06	0.00E+00	0.00E+00	8.14E-07	1.47E-07	9.30E-07	1.43E-07	1.36E-07	2.17E-06	2.31E-06	8.46E-07	1.15E-06	4.30E-07	2.31E-06	8.46E-07
1095	482283.9	3852564	1.18E-02	1.15E-02	1.14E-02	4.09E-06	1.23E-05	7.14E-06	6.97E-06	6.32E-06	2.88E-06	2.85E-06	0.00E+00	0.00E+00	1.31E-06	2.37E-07	1.50E-06	2.32E-07	2.20E-07	3.50E-06	3.73E-06	1.37E-06	1.86E-06	6.95E-07	3.73E-06	1.37E-06
1096	482333.9	3852564	9.06E-03	8.84E-03	8.73E-03	3.14E-06	9.47E-06	5.48E-06	5.35E-06	4.85E-06	2.21E-06	2.18E-06	0.00E+00	0.00E+00	1.01E-06	1.82E-07	1.15E-06	1.78E-07	1.69E-07	2.69E-06	2.86E-06	1.05E-06	1.43E-06	5.33E-07	2.86E-06	1.05E-06
1097	482383.9	3852564	7.32E-03	7.14E-03	7.05E-03	2.53E-06	7.65E-06	4.43E-06	4.32E-06	3.92E-06	1.79E-06	1.76E-06	0.00E+00	0.00E+00	8.15E-07	1.47E-07	9.31E-07	1.44E-07	1.37E-07	2.17E-06	2.31E-06	8.48E-07	1.15E-06	4.31E-07	2.31E-06	8.48E-07
1098	482283.9	3852614	1.64E-02	1.60E-02	1.58E-02	5.67E-06	1.71E-05	9.91E-06	9.67E-06	8.77E-06	4.00E-06	3.95E-06	0.00E+00	0.00E+00	1.82E-06	3.28E-07	2.08E-06	3.21E-07	3.06E-07	4.86E-06	5.17E-06	1.90E-06	2.58E-06	9.64E-07	5.17E-06	1.90E-06
1099	482333.9	3852614	1.17E-02	1.14E-02	1.13E-02	4.05E-06	1.22E-05	7.07E-06	6.90E-06	6.25E-06	2.85E-06	2.82E-06	0.00E+00	0.00E+00	1.30E-06	2.34E-07	1.49E-06	2.29E-07	2.18E-07	3.47E-06	3.69E-06	1.35E-06	1.84E-06	6.88E-07	3.69E-06	1.35E-06
1100	482383.9	3852614	9.01E-03	8.79E-03	8.67E-03	3.12E-06	9.42E-06	5.45E-06	5.32E-06	4.82E-06	2.20E-06	2.17E-06	0.00E+00	0.00E+00	1.00E-06	1.81E-07	1.15E-06	1.77E-07	1.68E-07	2.67E-06	2.84E-06	1.04E-06	1.42E-06	5.30E-07	2.84E-06	1.04E-06
1101	482602.4	3852601	4.09E-03	3.99E-03	3.94E-03	1.42E-06	4.28E-06	2.48E-06	2.42E-06	2.19E-06	1.00E-06	9.87E-07	0.00E+00	0.00E+00	4.56E-07	8.20E-08	5.21E-07	8.03E-08	7.64E-08	1.22E-06	1.29E-06	4.74E-07	6.45E-07	2.41E-07	1.29E-06	4.74E-07
1102	482652.4	3852601	3.66E-03	3.57E-03	3.52E-03	1.27E-06	3.83E-06	2.21E-06	2.16E-06	1.96E-06	8.94E-07	8.82E-07	0.00E+00	0.00E+00	4.07E-07	7.34E-08	4.65E-07	7.18E-08	6.83E-08	1.09E-06	1.16E-06	4.24E-07	5.77E-07	2.15E-07	1.16E-06	4.24E-07
1103	482702.4	3852601	3.20E-03	3.13E-03	3.09E-03	1.11E-06	3.35E-06	1.94E-06	1.89E-06	1.72E-06	7.83E-07	7.72E-07	0.00E+00	0.00E+00	3.57E-07	6.42E-08	4.08E-07	6.28E-08	5.98E-08	9.51E-07	1.01E-06	3.71E-07	5.05E-07	1.89E-07	1.01E-06	3.71E-07
1104	482552.4	3852651	5.39E-03	5.26E-03	5.19E-03	1.86E-06	5.63E-06	3.26E-06	3.18E-06	2.88E-06	1.32E-06	1.30E-06	0.00E+00	0.00E+00	6.00E-07	1.08E-07	6.85E-07	1.06E-07	1.00E-07	1.60E-06	1.70E-06	6.23E-07	8.48E-07	3.17E-07	1.70E-06	6.23E-07
1105	482602.4	3852651	4.65E-03	4.54E-03	4.48E-03	1.61E-06	4.86E-06	2.81E-06	2.74E-06	2.49E-06	1.14E-06	1.12E-06	0.00E+00	0.00E+00	5.17E-07	9.31E-08	5.91E-07	9.11E-08	8.67E-08	1.38E-06	1.47E-06	5.38E-07	7.32E-07	2.74E-07	1.47E-06	5.38E-07
1106	482652.4	3852651	4.11E-03	4.01E-03	3.96E-03	1.42E-06	4.30E-06	2.49E-06	2.43E-06	2.20E-06	1.00E-06	9.91E-07	0.00E+00	0.00E+00	4.58E-07	8.24E-08	5.23E-07	8.07E-08	7.67E-08	1.22E-06	1.30E-06	4.76E-07	6.48E-07	2.42E-07	1.30E-06	4.76E-07
1107	482702.4	3852651	3.68E-03	3.60E-03	3.55E-03	1.28E-06	3.85E-06	2.23E-06	2.18E-06	1.97E-06	9.00E-07	8.88E-07	0.00E+00	0.00E+00	4.10E-07	7.39E-08	4.69E-07	7.23E-08	6.88E-08	1.09E-06	1.16E-06	4.27E-07	5.81E-07	2.17E-07	1.16E-06	4.27E-07
1108	482552.4	3852701	6.34E-03	6.18E-03	6.10E-03	2.19E-06	6.62E-06	3.83E-06	3.74E-06	3.39E-06	1.55E-06	1.53E-06	0.00E+00	0.00E+00	7.05E-07	1.27E-07	8.06E-07	1.24E-07	1.18E-07	1.88E-06	2.00E-06	7.33E-07	9.98E-07	3.73E-07	2.00E-06	7.33E-07
1109	482602.4	3852701	5.42E-03	5.29E-03	5.22E-03	1.88E-06	5.67E-06	3.28E-06	3.20E-06	2.90E-06	1.32E-06	1.31E-06	0.00E+00	0.00E+00	6.03E-07	1.09E-07	6.89E-07	1.06E-07	1.01E-07	1.61E-06	1.71E-06	6.28E-07	8.54E-07	3.19E-07	1.71E-06	6.28E-07
1110	482652.4	3852701	4.80E-03	4.68E-03	4.62E-03	1.66E-06	5.01E-06	2.90E-06	2.83E-06	2.57E-06	1.17E-06	1.16E-06	0.00E+00	0.00E+00	5.34E-07	9.61E-08	6.10E-07	9.41E-08	8.95E-08	1.42E-06	1.51E-06	5.55E-07	7.56E-07	2.82E-07	1.51E-06	5.55E-07
1111	482702.4	3852701	4.19E-03	4.09E-03	4.03E-03	1.45E-06	4.38E-06	2.53E-06	2.47E-06	2.24E-06	1.02E-06	1.01E-06	0.00E+00	0.00E+00	4.66E-07	8.39E-08	5.32E-07	8.21E-08	7.81E-08	1.24E-06	1.32E-06	4.85E-07	6.60E-07	2.46E-07	1.32E-06	4.85E-07
1112	482452.4	3852751	1.27E-02	1.24E-02	1.23E-02	4.40E-06	1.33E-05	7.70E-06	7.51E-06	6.81E-06	3.11E-06	3.07E-06	0.00E+00	0.00E+00	1.42E-06	2.55E-07	1.62E-06	2.50E-07	2.37E-07	3.78E-06	4.02E-06	1.47E-06	2.00E-06	7.49E-07	4.02E-06	1.47E-06
1113	482521.3	3852750	8.67E-03	8.46E-03	8.35E-03	3.00E-06	9.06E-06	5.25E-06	5.12E-06	4.64E-06	2.12E-06	2.09E-06	0.00E+00	0.00E+00	9.65E-07	1.74E-07	1.10E-06	1.70E-07	1.62E-07	2.57E-06	2.74E-06	1.00E-06	1.37E-06	5.10E-07	2.74E-06	1.00E-06
1114	482571.3	3852750	7.05E-03	6.88E-03	6.79E-03	2.44E-06	7.37E-06	4.27E-06	4.16E-06	3.77E-06	1.72E-06	1.70E-06	0.00E+00	0.00E+00	7.85E-07	1.41E-07	8.97E-07	1.38E-07	1.32E-07	2.09E-06	2.23E-06	8.16E-07	1.11E-06	4.15E-07	2.23E-06	8.16E-07
1115	482521.3	3852800	1.12E-02	1.09E-02	1.07E-02	3.86E-06	1.17E-05	6.75E-06	6.58E-06	5.97E-06	2.72E-06	2.69E-06	0.00E+00	0.00E+00	1.24E-06	2.24E-07	1.42E-06	2.19E-07	2.08E-07	3.31E-06	3.52E-06	1.29E-06	1.76E-06	6.57E-07	3.52E-06	1.29E-06
1116	482571.3	3852800	8.64E-03	8.43E-03	8.32E-03	2.99E-06	9.03E-06	5.23E-06	5.10E-06	4.62E-06	2.11E-06	2.08E-06	0.00E+00	0.00E+00	9.61E-07	1.73E-07	1.10E-06	1.69E-07	1.61E-07	2.56E-06	2.73E-06	1.00E-06	1.36E-06	5.08E-07	2.73E-06	1.00E-06
1117	482621.3	3852800	7.01E-03	6.84E-03	6.75E-03	2.43E-06	7.33E-06	4.24E-06	4.14E-06	3.75E-06	1.71E-06	1.69E-06	0.00E+00	0.00E+00	7.81E-07	1.41E-07	8.92E-07	1.38E-07	1.31E-07	2.08E-06	2.21E-06	8.12E-07	1.10E-06	4.13E-07	2.21E-06	8.12E-07
1118	482571.3	3852850	1.10E-02	1.07E-02	1.06E-02	3.81E-06	1.15E-05	6.67E-06	6.50E-06	5.90E-06	2.69E-06	2.65E-06	0.00E+00	0.00E+00	1.23E-06	2.21E-07	1.40E-06	2.16E-07	2.06E-07	3.27E-06	3.48E-06	1.28E-06	1.74E-06	6.48E-07	3.48E-06	1.28E-06
1119	482621.3	3852850	8.49E-03	8.28E-03	8.17E-03	2.94E-06	8.87E-06	5.14E-06	5.01E-06	4.54E-06	2.07E-06	2.05E-06	0.00E+00	0.00E+00	9.45E-07	1.70E-07	1.08E-06	1.66E-07	1.58E-07	2.52E-06	2.68E-06	9.83E-07	1.34E-06	5.00E-07	2.68E-06	9.83E-07
1120	482577.4	3852902	1.45E-02	1.42E-02	1.40E-02	5.03E-06	1.52E-05	8.79E-06	8.58E-06	7.78E-06	3.55E-06	3.50E-06	0.00E+00	0.00E+00	1.62E-06	2.91E-07	1.85E-06	2.85E-07	2.71E-07	4.31E-06	4.59E-06	1.68E-06	2.29E-06	8.55E-07	4.59E-06	1.68E-06
1121	482627.4	3852902	1.05E-02	1.02E-02	1.01E-02	3.62E-06	1.09E-05	6.33E-06	6.18E-06	5.60E-06	2.55E-06	2.52E-06	0.00E+00	0.00E+00	1.16E-06	2.10E-07	1.33E-06	2.05E-07	1.95E-07	3.10E-06	3.30E-06	1.21E-06	1.65E-06	6.16E-07	3.30E-06	1.21E-06
1122	482630	3852956	1.42E-02	1.39E-02	1.37E-02	4.93E-06	1.49E-05	8.61E-06	8.40E-06	7.62E-06	3.47E-06	3.43E-06	0.00E+00	0.00E+00	1.58E-06	2.85E-07	1.81E-06	2.79E-07	2.65E-07	4.22E-06	4.49E-06	1.65E-06	2.24E-06	8.38E-07	4.49E-06	1.65E-06
1123	482680	3852956	1.02E-02	9.94E-03	9.81E-03	3.53E-06	1.07E-05	6.17E-06	6.02E-06	5.45E-06	2.49E-06	2.46E-06	0.00E+00	0.00E+00	1.13E-06	2.04E-07	1.30E-06	2.00E-07	1.90E-07	3.02E-06	3.22E-06	1.18E-06	1.61E-06	6.00E-07	3.22E-06	1.18E-06
1124	482781.6	3853034	7.56E-03	7.38E-03	7.28E-03	2.62E-06	7.91E-06	4.58E-06	4.47E-06	4.05E-06	1.85E-06	1.82E-06	0.00E+00	0.00E+00	8.42E-07	1.52E-07	9.62E-07	1.48E-07	1.41E-07	2.24E-06	2.39E-06	8.76E-07	1.19E-06	4.45E-07	2.39E-06	8.76E-07
1125	482831.6	3853034	6.09E-03	5.94E-03	5.87E-03	2.11E-06	6.37E-06	3.69E-06	3.60E-06	3.26E-06	1.49E-06	1.47E-06	0.00E+00	0.00E+00	6.78E-07	1.22E-07	7.75E-07	1.19E-07	1.14E-07	1.81E-06	1.92E-06	7.05E-07	9.60E-07	3.59E-07	1.92E-06	7.05E-07
1126	482881.6	3853034	5.06E-03	4.94E-03	4.87E-03	1.75E-06	5.29E-06	3.06E-06	2.99E-06	2.71E-06	1.24E-06	1.22E-06	0.00E+00	0.00E+00	5.63E-07	1.01E-07	6.43E-07	9.92E-08	9.44E-08	1.50E-06	1.60E-06	5.85E-07	7.97E-07	2.98E-07	1.60E-06	5.85E-07
1127	482781.6	3853084	8.55E-03	8.34E-03	8.23E-03	2.96E-06	8.94E-06	5.17E-06	5.05E-06	4.58E-06	2.09E-06	2.06E-06	0.00E+00	0.00E+00	9.52E-07	1.71E-07	1.09E-06	1.68E-07	1.60E-07	2.54E-06	2.70E-06	9.90E-07	1.35E-06	5.03E-07	2.70E-06	9.90E-07
1128	482831.6	3853084	6.71E-03	6.55E-03	6.46E-03	2.32E-06	7.02E-06	4.06E-06	3.96E-06	3.59E-06	1.64E-06	1.62E-06	0.00E+00	0.00E+00	7.47E-07	1.35E-07	8.54E-07	1.32E-07	1.25E-07	1.99E-06	2.12E-06	7.77E-07	1.06E-06	3.95E-07	2.12E-06	7.77E-07
1129	482881.6	3853084	5.53E-03	5.40E-03	5.33E-03	1.92E-06	5.78E-06	3.35E-06	3.27E-06	2.96E-06	1.35E-06	1.33E-06	0.00E+00	0.00E+00	6.16E-07	1.11E-07	7.04E-07	1.09E-07	1.03E-07	1.64E-06	1.75E-06	6.41E-07	8.72E-07	3.26E-07	1.75E-06	6.41E-07
1130	482781.6	3853134	9.96E-03	9.72E-03	9.59E-03	3.45E-06	1.04E-05	6.02E-06	5.88E-06	5.33E-06	2.43E-06	2.40E-06	0.00E+00	0.00E+00	1.11E-06	2.00E-07	1.27E-06	1.95E-07	1.86E-07	2.96E-06	3.14E-06	1.15E-06	1.57E-06	5.86E-07	3.14E-06	1.15E-06
1131	482831.6	3853134	7.54E-03	7.36E-03	7.26E-03	2.61E-06	7.88E-06	4.56E-06	4.45E-06	4.04E-06	1.84E-06	1.82E-06	0.00E+00	0.00E+00	8.39E-07	1.51E-07	9.59E-07	1.48E-07	1.41E-07	2.24E-06	2.38E-06	8.73E-07	1.19E-06	4.44E-07	2.38E-06	8.73E-07
1132	482881.6	3853134	6.10E-03	5.95E-03	5.87E-03	2.11E-06	6.37E-06	3.69E-06	3.60E-06	3.26E-06	1.49E-06	1.47E-06	0.00E+00	0.00E+00	6.79E-07	1.22E-07	7.75E-07	1.20E-07	1.14E-07	1.81E-06	1.92E-06	7.06E-07	9.60E-07	3.59E-07	1.92E-06	7.06E-07
1133	482831.6	3853184	8.65E-03	8.44E-03	8.33E-03	2.99E-06	9.04E-06	5.23E-06	5.11E-06	4.63E-06	2.11E-06	2.08E-06	0.00E+00	0.00E+00	9.63E-07	1.73E-07	1.10E-06	1.70E-07	1.61E-07	2.57E-06	2.73E-06	1.00E-06	1.36E-06	5.09E-07	2.73E-06	1.00E-06
1134	482881.6	3853184	6.78E-03	6.61E-03	6.52E-03	2.35E-06	7.08E-06	4.10E-06	4.00E-06	3.63E-06	1.65E-06	1.63E-06	0.00E+00	0.00E+00	7.54E-07	1.36E-07	8.62E-07	1.33E-07	1.26E-07	2.01E-06	2.14E-06	7.84E-07	1.07E-06	3.99E-07	2.14E-06	7.84E-07
1135	484154.8	3854251	1.90E-03	1.86E-03	1.83E-03	6.59E-07	1.99E-06	1.15E-06	1.12E-06	1.02E-06	4.65E-07	4.59E-07	0.00E+00	0.00E+00	2.12E-07	3.82E-08	2.42E-07	3.73E-08	3.55E-08	5.65E-07	6.01E-07	2.20E-07	3.00E-07	1.12E-07	6.01E-07	2.20E-07
1136	484204.8	3854251	1.81E-03	1.77E-03	1.74E-03	6.27E-07	1.89E-06	1.10E-06	1.07E-06	9.70E-07	4.43E-07	4.37E-07	0.00E+00	0.00E+00	2.02E-07	3.63E-08	2.30E-07	3.55E-08	3.38E-08	5.38E-07	5.72E-07	2.10E-07	2.85E-07	1.07E-07	5.72E-07	2.10E-07
1137	484154.8	3854301	2.03E-03	1.98E-03	1.96E-03	7.03E-07	2.12E-06	1.23E-06	1.20E-06	1.09E-06	4.96E-07	4.90E-07	0.00E+00	0.00E+00	2.26E-07	4.07E-08	2.58E-07	3.99E-08	3.79E-08	6.03E-07	6.41E-07	2.35E-07	3.20E-07	1.20E-07	6.41E-07	2.35E-07
1138	484204.8	3854301	1.94E-03	1.89E-03	1.87E-03	6.72E-07	2.03E-06	1.17E-06	1.15E-06	1.04E-06	4.74E-07	4.67E-07	0.00E+00	0.00E+00	2.16E-07	3.89E-08	2.47E-07	3.80E-08	3.62E-08	5.76E-07	6.12E-07	2.25E-07	3.06E-07	1.14E-07	6.12E-07	2.25E-07
1139	484074.2	3854520	4.45E-03	4.35E-03	4.29E-03	1.54E-06	4.65E-06	2.69E-06	2.63E-06	2.38E-06	1.09E-06	1.07E-06	0.00E+00	0.00E+00	4.96E-07	8.92E-08	5.66E-07	8.73E-08	8.31E-08	1.32E-06	1.41E-06	5.15E-07	7.01E-07	2.62E-07	1.41E-06	5.15E-07
1140	484124.2	3854520	3.82E-03	3.73E-03	3.68E-03	1.32E-06	3.99E-06	2.31E-06	2.26E-06	2.05E-06	9.33E-07	9.21E-07	0.00E+00	0.00E+00	4.25E-07	7.66E-08	4.86E-07	7.49E-08	7.13E-08	1.13E-06	1.21E-06	4.42E-07	6.02E-07	2.25E-07	1.21E-06	4.42E-07
1141	484074.2	3854570	5.99E-03	5.85E-03	5.77E-03	2.07E-06	6.26E-06	3.62E-06	3.54E-06	3.21E-06	1.46E-06	1.44E-06	0.00E+00	0.00E+00	6.67E-07	1.20E-07	7.62E-07	1.17E-07	1.12E-07	1.78E-06	1.89E-06	6.93E-07	9.44E-07	3.53E-07	1.89E-06	6.93E-07
1142	484124.2	3854570	4.84E-03	4.72E-03	4.66E-03	1.68E-06	5.06E-06	2.93E-06	2.86E-06	2.59E-06	1.18E-06	1.17E-06	0.00E+00	0.00E+00	5.39E-07	9.70E-08	6.15E-07	9.49E-08	9.03E-08	1.44E-06	1.53E-06	5.60E-07	7.62E-07	2.85E-07	1.53E-06	5.60E-07
1143	485205.1	3855189	3.62E-03	3.53E-03	3.49E-03	1.25E-06	3.78E-06	2.19E-06	2.14E-06	1.94E-06	8.84E-07	8.72E-07	0.00E+00	0.00E+00	4.03E-07	7.26E-08	4.60E-07	7.10E-08	6.76E-08	1.07E-06	1.14E-06	4.19E-07	5.70E-07	2.13E-07	1.14E-06	4.19E-07
1144	485255.1	3855189	3.16E-03	3.08E-03	3.04E-03	1.09E-06	3.30E-06	1.91E-06	1.86E-06	1.69E-06	7.71E-07	7.61E-07	0.00E+00	0.00E+00	3.51E-07	6.33E-08	4.02E-07	6.19E-08	5.89E-08	9.37E-07	9.97E-07	3.66E-07	4.97E-07	1.86E-07	9.97E-07	3.66E-07
1145	485205.1	3855239	4.12E-03	4.02E-03	3.97E-03	1.43E-06	4.31E-06	2.49E-06	2.43E-06	2.21E-06	1.01E-06	9.93E-07	0.00E+00	0.00E+00	4.59E-07	8.26E-08	5.24E-07	8.08E-08	7.69E-08	1.22E-06	1.30E-06	4.77E-07	6.49E-07	2.43E-07	1.30E-06	4.77E-07
1146	485255.1	3855239	3.56E-03	3.48E-03	3.43E-03	1.23E-06	3.72E-06	2.16E-06	2.10E-06	1.91E-06	8.70E-07	8.59E-07	0.00E+00	0.00E+00	3.97E-07	7.14E-08	4.53E-07	6.99E-08	6.65E-08	1.06E-06	1.12E-06	4.12E-07	5.61E-07	2.10E-07	1.12E-06	4.12E-07
1147	485205.1	3855289	5.23E-03	5.11E-03	5.04E-03	1.81E-06	5.47E-06	3.17E-06	3.09E-06	2.80E-06	1.28E-06	1.26E-06	0.00E+00	0.00E+00	5.83E-07	1.05E-07	6.66E-07	1.03E-07	9.77E-08	1.55E-06	1.65E-06	6.06E-07	8.25E-07	3.08E-07	1.65E-06	6.06E-07
1148	485255.1	3855289	4.28E-03	4.18E-03	4.12E-03	1.48E-06	4.48E-06	2.59E-06	2.53E-06	2.29E-06	1.05E-06	1.03E-06	0.00E+00	0.00E+00	4.77E-07	8.59E-08	5.45E-07	8.40E-08	7.99E-08	1.27E-06	1.35E-06	4.96E-07	6.75E-07	2.52E-07	1.35E-06	4.96E-07

1149	485255.1	3855339	5.36E-03	5.23E-03	5.16E-03	1.86E-06	5.60E-06	3.24E-06	3.16E-06	2.87E-06	1.31E-06	1.29E-06	0.00E+00	0.00E+00	5.97E-07	1.07E-07	6.82E-07	1.05E-07	1.00E-07	1.59E-06	1.69E-06	6.20E-07	8.44E-07	3.15E-07	1.69E-06	6.20E-07
1150	485305.1	3855339	4.38E-03	4.27E-03	4.22E-03	1.52E-06	4.58E-06	2.65E-06	2.59E-06	2.34E-06	1.07E-06	1.06E-06	0.00E+00	0.00E+00	4.87E-07	8.78E-08	5.57E-07	8.59E-08	8.17E-08	1.30E-06	1.38E-06	5.07E-07	6.90E-07	2.58E-07	1.38E-06	5.07E-07
1151	485852.5	3855635	2.54E-03	2.48E-03	2.44E-03	8.79E-07	2.65E-06	1.54E-06	1.50E-06	1.36E-06	6.20E-07	6.12E-07	0.00E+00	0.00E+00	2.83E-07	5.09E-08	3.23E-07	4.98E-08	4.74E-08	7.54E-07	8.01E-07	2.94E-07	4.00E-07	1.49E-07	8.01E-07	2.94E-07
1152	485902.5	3855635	2.33E-03	2.27E-03	2.24E-03	8.05E-07	2.43E-06	1.41E-06	1.37E-06	1.24E-06	5.68E-07	5.60E-07	0.00E+00	0.00E+00	2.59E-07	4.66E-08	2.96E-07	4.56E-08	4.34E-08	6.90E-07	7.34E-07	2.69E-07	3.66E-07	1.37E-07	7.34E-07	2.69E-07
1153	485852.5	3855685	2.79E-03	2.72E-03	2.68E-03	9.64E-07	2.91E-06	1.69E-06	1.64E-06	1.49E-06	6.80E-07	6.71E-07	0.00E+00	0.00E+00	3.10E-07	5.58E-08	3.54E-07	5.46E-08	5.20E-08	8.27E-07	8.79E-07	3.22E-07	4.39E-07	1.64E-07	8.79E-07	3.22E-07
1154	485902.5	3855685	2.52E-03	2.46E-03	2.43E-03	8.74E-07	2.64E-06	1.53E-06	1.49E-06	1.35E-06	6.17E-07	6.08E-07	0.00E+00	0.00E+00	2.81E-07	5.06E-08	3.21E-07	4.95E-08	4.71E-08	7.49E-07	7.97E-07	2.92E-07	3.98E-07	1.49E-07	7.97E-07	2.92E-07
1155	485852.5	3855735	3.09E-03	3.02E-03	2.98E-03	1.07E-06	3.23E-06	1.87E-06	1.83E-06	1.66E-06	7.56E-07	7.46E-07	0.00E+00	0.00E+00	3.44E-07	6.20E-08	3.93E-07	6.07E-08	5.77E-08	9.18E-07	9.76E-07	3.58E-07	4.87E-07	1.82E-07	9.76E-07	3.58E-07
1156	485902.5	3855735	2.78E-03	2.72E-03	2.68E-03	9.64E-07	2.91E-06	1.68E-06	1.64E-06	1.49E-06	6.80E-07	6.71E-07	0.00E+00	0.00E+00	3.10E-07	5.58E-08	3.54E-07	5.46E-08	5.19E-08	8.26E-07	8.79E-07	3.22E-07	4.39E-07	1.64E-07	8.79E-07	3.22E-07
1157	485852.5	3855785	3.52E-03	3.43E-03	3.39E-03	1.22E-06	3.68E-06	2.13E-06	2.08E-06	1.88E-06	8.59E-07	8.48E-07	0.00E+00	0.00E+00	3.91E-07	7.05E-08	4.47E-07	6.90E-08	6.56E-08	1.04E-06	1.11E-06	4.07E-07	5.54E-07	2.07E-07	1.11E-06	4.07E-07
1158	485902.5	3855785	3.08E-03	3.01E-03	2.97E-03	1.07E-06	3.22E-06	1.87E-06	1.82E-06	1.65E-06	7.53E-07	7.43E-07	0.00E+00	0.00E+00	3.43E-07	6.18E-08	3.92E-07	6.05E-08	5.75E-08	9.15E-07	9.73E-07	3.57E-07	4.86E-07	1.82E-07	9.73E-07	3.57E-07
1159	486809.5	3856465	2.37E-03	2.31E-03	2.28E-03	8.20E-07	2.48E-06	1.43E-06	1.40E-06	1.27E-06	5.79E-07	5.71E-07	0.00E+00	0.00E+00	2.64E-07	4.75E-08	3.01E-07	4.65E-08	4.42E-08	7.03E-07	7.48E-07	2.74E-07	3.73E-07	1.39E-07	7.48E-07	2.74E-07
1160	486859.5	3856465	2.22E-03	2.17E-03	2.14E-03	7.69E-07	2.32E-06	1.34E-06	1.31E-06	1.19E-06	5.43E-07	5.36E-07	0.00E+00	0.00E+00	2.47E-07	4.45E-08	2.83E-07	4.36E-08	4.15E-08	6.60E-07	7.01E-07	2.57E-07	3.50E-07	1.31E-07	7.01E-07	2.57E-07
1161	486909.5	3856465	2.10E-03	2.04E-03	2.02E-03	7.25E-07	2.19E-06	1.27E-06	1.24E-06	1.12E-06	5.12E-07	5.05E-07	0.00E+00	0.00E+00	2.33E-07	4.20E-08	2.66E-07	4.11E-08	3.91E-08	6.22E-07	6.61E-07	2.43E-07	3.30E-07	1.23E-07	6.61E-07	2.43E-07
1162	486809.5	3856515	2.57E-03	2.50E-03	2.47E-03	8.88E-07	2.68E-06	1.55E-06	1.52E-06	1.37E-06	6.27E-07	6.18E-07	0.00E+00	0.00E+00	2.86E-07	5.14E-08	3.26E-07	5.03E-08	4.79E-08	7.62E-07	8.10E-07	2.97E-07	4.04E-07	1.51E-07	8.10E-07	2.97E-07
1163	486859.5	3856515	2.39E-03	2.33E-03	2.30E-03	8.28E-07	2.50E-06	1.45E-06	1.41E-06	1.28E-06	5.84E-07	5.76E-07	0.00E+00	0.00E+00	2.66E-07	4.79E-08	3.04E-07	4.69E-08	4.46E-08	7.09E-07	7.54E-07	2.77E-07	3.77E-07	1.41E-07	7.54E-07	2.77E-07
1164	486909.5	3856515	2.24E-03	2.19E-03	2.16E-03	7.76E-07	2.34E-06	1.36E-06	1.32E-06	1.20E-06	5.47E-07	5.40E-07	0.00E+00	0.00E+00	2.49E-07	4.49E-08	2.85E-07	4.40E-08	4.18E-08	6.65E-07	7.07E-07	2.59E-07	3.53E-07	1.32E-07	7.07E-07	2.59E-07
1165	486980.9	3856358	1.73E-03	1.69E-03	1.67E-03	6.00E-07	1.81E-06	1.05E-06	1.02E-06	9.27E-07	4.23E-07	4.18E-07	0.00E+00	0.00E+00	1.93E-07	3.47E-08	2.20E-07	3.40E-08	3.23E-08	5.14E-07	5.47E-07	2.01E-07	2.73E-07	1.02E-07	5.47E-07	2.01E-07
1166	487030.9	3856358	1.66E-03	1.62E-03	1.60E-03	5.76E-07	1.74E-06	1.01E-06	9.83E-07	8.91E-07	4.07E-07	4.01E-07	0.00E+00	0.00E+00	1.85E-07	3.34E-08	2.12E-07	3.26E-08	3.11E-08	4.94E-07	5.25E-07	1.93E-07	2.62E-07	9.80E-08	5.25E-07	1.93E-07
1167	486980.9	3856408	1.83E-03	1.78E-03	1.76E-03	6.32E-07	1.91E-06	1.11E-06	1.08E-06	9.78E-07	4.46E-07	4.40E-07	0.00E+00	0.00E+00	2.03E-07	3.66E-08	2.32E-07	3.58E-08	3.41E-08	5.42E-07	5.77E-07	2.11E-07	2.88E-07	1.08E-07	5.77E-07	2.11E-07
1168	487030.9	3856408	1.75E-03	1.71E-03	1.68E-03	6.05E-07	1.83E-06	1.06E-06	1.03E-06	9.36E-07	4.27E-07	4.21E-07	0.00E+00	0.00E+00	1.95E-07	3.50E-08	2.22E-07	3.43E-08	3.26E-08	5.19E-07	5.52E-07	2.02E-07	2.75E-07	1.03E-07	5.52E-07	2.02E-07
1169	487447.2	3856437	1.35E-03	1.32E-03	1.30E-03	4.69E-07	1.41E-06	8.19E-07	7.99E-07	7.25E-07	3.31E-07	3.26E-07	0.00E+00	0.00E+00	1.51E-07	2.71E-08	1.72E-07	2.65E-08	2.53E-08	4.02E-07	4.27E-07	1.57E-07	2.13E-07	7.97E-08	4.27E-07	1.57E-07
1170	487497.2	3856437	1.32E-03	1.29E-03	1.27E-03	4.56E-07	1.38E-06	7.98E-07	7.78E-07	7.06E-07	3.22E-07	3.18E-07	0.00E+00	0.00E+00	1.47E-07	2.64E-08	1.68E-07	2.59E-08	2.46E-08	3.91E-07	4.16E-07	1.53E-07	2.08E-07	7.76E-08	4.16E-07	1.53E-07
1171	487547.2	3856437	1.29E-03	1.26E-03	1.24E-03	4.45E-07	1.34E-06	7.78E-07	7.60E-07	6.89E-07	3.14E-07	3.10E-07	0.00E+00	0.00E+00	1.43E-07	2.58E-08	1.64E-07	2.52E-08	2.40E-08	3.82E-07	4.06E-07	1.49E-07	2.03E-07	7.57E-08	4.06E-07	1.49E-07
1172	487447.2	3856487	1.40E-03	1.37E-03	1.35E-03	4.85E-07	1.46E-06	8.47E-07	8.27E-07	7.49E-07	3.42E-07	3.37E-07	0.00E+00	0.00E+00	1.56E-07	2.81E-08	1.78E-07	2.75E-08	2.61E-08	4.16E-07	4.42E-07	1.62E-07	2.21E-07	8.24E-08	4.42E-07	1.62E-07
1173	487497.2	3856487	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.24E-07	8.04E-07	7.29E-07	3.33E-07	3.28E-07	0.00E+00	0.00E+00	1.52E-07	2.73E-08	1.73E-07	2.67E-08	2.54E-08	4.04E-07	4.30E-07	1.58E-07	2.15E-07	8.02E-08	4.30E-07	1.58E-07
1174	487547.2	3856487	1.33E-03	1.29E-03	1.28E-03	4.59E-07	1.39E-06	8.03E-07	7.83E-07	7.10E-07	3.24E-07	3.20E-07	0.00E+00	0.00E+00	1.48E-07	2.66E-08	1.69E-07	2.60E-08	2.48E-08	3.94E-07	4.19E-07	1.54E-07	2.09E-07	7.81E-08	4.19E-07	1.54E-07
1175	487447.2	3856537	1.45E-03	1.42E-03	1.40E-03	5.02E-07	1.52E-06	8.78E-07	8.57E-07	7.77E-07	3.54E-07	3.50E-07	0.00E+00	0.00E+00	1.61E-07	2.91E-08	1.85E-07	2.85E-08	2.71E-08	4.31E-07	4.58E-07	1.68E-07	2.29E-07	8.54E-08	4.58E-07	1.68E-07
1176	487497.2	3856537	1.41E-03	1.37E-03	1.36E-03	4.87E-07	1.47E-06	8.52E-07	8.31E-07	7.54E-07	3.44E-07	3.39E-07	0.00E+00	0.00E+00	1.57E-07	2.82E-08	1.79E-07	2.76E-08	2.63E-08	4.18E-07	4.44E-07	1.63E-07	2.22E-07	8.29E-08	4.44E-07	1.63E-07
1177	487547.2	3856537	1.37E-03	1.34E-03	1.32E-03	4.75E-07	1.43E-06	8.29E-07	8.09E-07	7.34E-07	3.35E-07	3.30E-07	0.00E+00	0.00E+00	1.53E-07	2.75E-08	1.74E-07	2.69E-08	2.56E-08	4.07E-07	4.33E-07	1.59E-07	2.16E-07	8.07E-08	4.33E-07	1.59E-07
1178	489285.9	3858827	4.50E-03	4.39E-03	4.33E-03	1.56E-06	4.70E-06	2.72E-06	2.66E-06	2.41E-06	1.10E-06	1.08E-06	0.00E+00	0.00E+00	5.01E-07	9.02E-08	5.72E-07	8.82E-08	8.40E-08	1.34E-06	1.42E-06	5.21E-07	7.09E-07	2.65E-07	1.42E-06	5.21E-07
1179	489335.9	3858827	4.16E-03	4.06E-03	4.00E-03	1.44E-06	4.35E-06	2.52E-06	2.45E-06	2.23E-06	1.02E-06	1.00E-06	0.00E+00	0.00E+00	4.63E-07	8.33E-08	5.29E-07	8.15E-08	7.76E-08	1.23E-06	1.31E-06	4.81E-07	6.55E-07	2.45E-07	1.31E-06	4.81E-07
1180	489385.9	3858827	3.86E-03	3.77E-03	3.72E-03	1.34E-06	4.04E-06	2.34E-06	2.28E-06	2.07E-06	9.43E-07	9.31E-07	0.00E+00	0.00E+00	4.30E-07	7.74E-08	4.91E-07	7.57E-08	7.21E-08	1.15E-06	1.22E-06	4.47E-07	6.08E-07	2.27E-07	1.22E-06	4.47E-07
1181	489435.9	3858827	3.61E-03	3.52E-03	3.48E-03	1.25E-06	3.77E-06	2.19E-06	2.13E-06	1.93E-06	8.82E-07	8.70E-07	0.00E+00	0.00E+00	4.02E-07	7.24E-08	4.59E-07	7.08E-08	6.74E-08	1.07E-06	1.14E-06	4.18E-07	5.69E-07	2.13E-07	1.14E-06	4.18E-07
1182	489485.9	3858827	3.40E-03	3.31E-03	3.27E-03	1.18E-06	3.55E-06	2.05E-06	2.00E-06	1.82E-06	8.29E-07	8.18E-07	0.00E+00	0.00E+00	3.78E-07	6.80E-08	4.32E-07	6.66E-08	6.34E-08	1.01E-06	1.07E-06	3.93E-07	5.35E-07	2.00E-07	1.07E-06	3.93E-07
1183	489535.9	3858827	3.21E-03	3.13E-03	3.09E-03	1.11E-06	3.35E-06	1.94E-06	1.89E-06	1.72E-06	7.83E-07	7.73E-07	0.00E+00	0.00E+00	3.57E-07	6.42E-08	4.08E-07	6.29E-08	5.98E-08	9.51E-07	1.01E-06	3.71E-07	5.05E-07	1.89E-07	1.01E-06	3.71E-07
1184	489585.9	3858827	3.04E-03	2.97E-03	2.93E-03	1.05E-06	3.18E-06	1.84E-06	1.79E-06	1.63E-06	7.42E-07	7.32E-07	0.00E+00	0.00E+00	3.38E-07	6.09E-08	3.87E-07	5.96E-08	5.67E-08	9.02E-07	9.59E-07	3.52E-07	4.79E-07	1.79E-07	9.59E-07	3.52E-07
1185	489635.9	3858827	2.89E-03	2.82E-03	2.78E-03	1.00E-06	3.02E-06	1.75E-06	1.71E-06	1.55E-06	7.06E-07	6.97E-07	0.00E+00	0.00E+00	3.22E-07	5.79E-08	3.68E-07	5.67E-08	5.39E-08	8.58E-07	9.12E-07	3.35E-07	4.55E-07	1.70E-07	9.12E-07	3.35E-07
1186	489685.9	3858827	2.76E-03	2.69E-03	2.65E-03	9.54E-07	2.88E-06	1.67E-06	1.63E-06	1.48E-06	6.73E-07	6.64E-07	0.00E+00	0.00E+00	3.07E-07	5.53E-08	3.51E-07	5.41E-08	5.14E-08	8.18E-07	8.70E-07	3.19E-07	4.34E-07	1.62E-07	8.70E-07	3.19E-07
1187	489735.9	3858827	2.64E-03	2.57E-03	2.54E-03	9.12E-07	2.75E-06	1.59E-06	1.56E-06	1.41E-06	6.44E-07	6.35E-07	0.00E+00	0.00E+00	2.93E-07	5.28E-08	3.35E-07	5.17E-08	4.92E-08	7.82E-07	8.32E-07	3.05E-07	4.15E-07	1.55E-07	8.32E-07	3.05E-07
1188	489785.9	3858827	2.53E-03	2.47E-03	2.43E-03	8.75E-07	2.64E-06	1.53E-06	1.49E-06	1.35E-06	6.17E-07	6.09E-07	0.00E+00	0.00E+00	2.81E-07	5.07E-08	3.21E-07	4.96E-08	4.72E-08	7.50E-07	7.98E-07	2.93E-07	3.98E-07	1.49E-07	7.98E-07	2.93E-07
1189	489835.9	3858827	2.42E-03	2.37E-03	2.33E-03	8.39E-07	2.53E-06	1.47E-06	1.43E-06	1.30E-06	5.92E-07	5.84E-07	0.00E+00	0.00E+00	2.70E-07	4.86E-08	3.08E-07	4.76E-08	4.52E-08	7.20E-07	7.65E-07	2.81E-07	3.82E-07	1.43E-07	7.65E-07	2.81E-07
1190	489885.9	3858827	2.33E-03	2.28E-03	2.25E-03	8.08E-07	2.44E-06	1.41E-06	1.38E-06	1.25E-06	5.70E-07	5.62E-07	0.00E+00	0.00E+00	2.60E-07	4.68E-08	2.97E-07	4.58E-08	4.36E-08	6.93E-07	7.37E-07	2.70E-07	3.68E-07	1.37E-07	7.37E-07	2.70E-07
1191	489935.9	3858827	2.25E-03	2.19E-03	2.17E-03	7.78E-07	2.35E-06	1.36E-06	1.33E-06	1.20E-06	5.49E-07	5.42E-07	0.00E+00	0.00E+00	2.50E-07	4.51E-08	2.86E-07	4.41E-08	4.20E-08	6.67E-07	7.10E-07	2.60E-07	3.54E-07	1.32E-07	7.10E-07	2.60E-07
1192	489985.9	3858827	2.17E-03	2.12E-03	2.09E-03	7.51E-07	2.27E-06	1.31E-06	1.28E-06	1.16E-06	5.30E-07	5.23E-07	0.00E+00	0.00E+00	2.41E-07	4.35E-08	2.76E-07	4.25E-08	4.05E-08	6.44E-07	6.84E-07	2.51E-07	3.42E-07	1.28E-07	6.84E-07	2.51E-07
1193	490035.9	3858827	2.09E-03	2.04E-03	2.01E-03	7.23E-07	2.18E-06	1.26E-06	1.23E-06	1.12E-06	5.10E-07	5.03E-07	0.00E+00	0.00E+00	2.32E-07	4.18E-08	2.66E-07	4.09E-08	3.90E-08	6.20E-07	6.59E-07	2.42E-07	3.29E-07	1.23E-07	6.59E-07	2.42E-07
1194	489285.9	3858877	5.22E-03	5.09E-03	5.02E-03	1.81E-06	5.45E-06	3.16E-06	3.08E-06	2.79E-06	1.27E-06	1.26E-06	0.00E+00	0.00E+00	5.81E-07	1.05E-07	6.64E-07	1.02E-07	9.74E-08	1.55E-06	1.65E-06	6.04E-07	8.22E-07	3.07E-07	1.65E-06	6.04E-07
1195	489335.9	3858877	4.76E-03	4.64E-03	4.58E-03	1.65E-06	4.98E-06	2.88E-06	2.81E-06	2.55E-06	1.16E-06	1.15E-06	0.00E+00	0.00E+00	5.30E-07	9.54E-08	6.05E-07	9.33E-08	8.88E-08	1.41E-06	1.50E-06	5.51E-07	7.50E-07	2.80E-07	1.50E-06	5.51E-07
1196	489385.9	3858877	4.38E-03	4.27E-03	4.22E-03	1.52E-06	4.58E-06	2.65E-06	2.59E-06	2.34E-06	1.07E-06	1.06E-06	0.00E+00	0.00E+00	4.88E-07	8.78E-08	5.57E-07	8.59E-08	8.17E-08	1.30E-06	1.38E-06	5.07E-07	6.90E-07	2.58E-07	1.38E-06	5.07E-07
1197	489435.9	3858877	4.06E-03	3.96E-03	3.91E-03	1.41E-06	4.24E-06	2.46E-06	2.40E-06	2.17E-06	9.91E-07	9.78E-07	0.00E+00	0.00E+00	4.52E-07	8.13E-08	5.16E-07	7.96E-08	7.57E-08	1.20E-06	1.28E-06	4.70E-07	6.39E-07	2.39E-07	1.28E-06	4.70E-07
1198	489485.9	3858877	3.78E-03	3.69E-03	3.64E-03	1.31E-06	3.96E-06	2.29E-06	2.23E-06	2.03E-06	9.24E-07	9.12E-07	0.00E+00	0.00E+00	4.21E-07	7.58E-08	4.81E-07	7.42E-08	7.06E-08	1.12E-06	1.19E-06	4.38E-07	5.96E-07	2.23E-07	1.19E-06	4.38E-07
1199	489535.9	3858877	3.55E-03	3.46E-03	3.42E-03	1.23E-06	3.71E-06	2.15E-06	2.09E-06	1.90E-06	8.66E-07	8.55E-07	0.00E+00	0.00E+00	3.95E-07	7.11E-08	4.51E-07	6.96E-08	6.62E-08	1.05E-06	1.12E-06	4.11E-07	5.59E-07	2.09E-07	1.12E-06	4.11E-07
1200	489585.9	3858877	3.34E-03	3.26E-03	3.21E-03	1.16E-06	3.49E-06	2.02E-06	1.97E-06	1.79E-06	8.15E-07	8.04E-07	0.00E+00	0.00E+00	3.72E-07	6.69E-08	4.25E-07	6.55E-08	6.23E-08	9.91E-07	1.05E-06	3.86E-07	5.26E-07	1.97E-07	1.05E-06	3.86E-07
1201	489635.9	3858877	3.16E-03	3.08E-03	3.04E-03	1.09E-06	3.30E-06	1.91E-06	1.87E-06	1.69E-06	7.72E-07	7.61E-07	0.00E+00	0.00E+00	3.52E-07	6.33E-08	4.02E-07	6.20E-08	5.90E-08	9.38E-07	9.97E-07	3.66E-07	4.98E-07	1.86E-07	9.97E-07	3.66E-07
1202	489685.9	3858877	3.00E-03	2.93E-03	2.89E-03	1.04E-06	3.13E-06	1.81E-06	1.77E-06	1.61E-06	7.32E-07	7.23E-07	0.00E+00	0.00E+00	3.34E-07	6.01E-08	3.81E-07	5.88E-08	5.60E-08	8.90E-07	9.47E-07	3.47E-07	4.72E-07	1.77E-07	9.47E-07	3.47E-07
1203	489735.9	3858877	2.85E-03	2.78E-03	2.75E-03	9.88E-07	2.98E-06	1.73E-06	1.69E-06	1.53E-06	6.97E-07	6.88E-07	0.00E+00	0.00E+00	3.18E-07	5.72E-08	3.63E-07	5.60E-08	5.33E-08	8.47E-07	9.01E-07	3.30E-07	4.50E-07	1.68E-07	9.01E-07	3.30E-07
1204	489785.9	3858877	2.73E-03	2.66E-03	2.63E-03	9.44E-07	2.85E-06	1.65E-06	1.61E-06	1.46E-06	6.66E-07	6.57E-07	0.00E+00	0.00E+00	3.04E-07	5.47E-08	3.47E-07	5.35E-08	5.09E-08	8.09E-07	8.61E-07	3.16E-07	4.30E-07	1.61E-07	8.61E-07	3.16E-07
1205	489835.9	3858877	2.61E-03	2.55E-03	2.51E-03	9.04E-07	2.73E-06	1.58E-06	1.54E-06	1.40E-06	6.38E-07	6.29E-07	0.00E+00	0.00E+00	2.91E-07	5.23E-08	3.32E-07	5.12E-08	4.87E-08	7.75E-07	8.24E-07	3.02E-07	4.11E-07	1.54E-07	8.24E-07	3.02E-07
1206	489885.9	3858877	2.51E-03	2.45E-03	2.41E-03	8.68E-07	2.62E-06	1.52E-06	1.48E-06	1.34E-06	6.12E-07	6.04E-07	0.00E+00	0.00E+00	2.79E-07	5.02E-08	3.19E-07	4.92E-08	4.68E-08	7.44E-07	7.91E-07	2.90E-07	3.95E-07	1.48E-07	7.91E-07	2.90E-07
1207	489935.9	3858877	2.41E-03	2.35E-03	2.32E-03	8.33E-07	2.52E-06	1.46E-06	1.42E-06	1.29E-06	5.88E-07	5.80E-07	0.00E+00	0.00E+00	2.68E-07	4.82E-08	3.06E-07	4.72E-08	4.49E-08	7.15E-07	7.60E-07	2.79E-07	3.79E-07	1.42E-07	7.60E-07	2.79E-07
1208	489985.9	3858877	2.31E-03	2.25E-03	2.23E-03	8.00E-07	2.42E-06	1.40E-06	1.36E-06	1.24E-06	5.64E-07	5.57E-07	0.00E+00	0.00E+00	2.57E-07	4.63E-08	2.94E-07	4.53E-08	4.31E-08	6.86E-07	7.29E-07	2.68E-07	3.64E-07	1.36E-07	7.29E-07	2.68E-07
1209	490035.9	3858877	2.22E-03	2.17E-03	2.14E-03	7.69E-07	2.32E-06	1.34E-06	1.31E-06	1.19E-06	5.43E-07	5.35E-07	0.00E+00	0.00E+00	2.47E-07	4.45E-08	2.83E-07	4.36E-08	4.15E-08	6.59E-07	7.01E-07	2.57E-07	3.50E-07	1.31E-07	7.01E-07	2.57E-07
1210	489285.9	3858927	6.22E-03	6.07E-03	5.99E-03	2.15E-06	6.50E-06	3.77E-06	3.67E-06	3.33E-06	1.52E-06	1.50E-06	0.00E+00	0.00E+00	6.93E-07	1.25E-07	7.91E-07	1.22E-07	1.16E-07	1.85E-06	1.96E-06	7.20E-07	9.80E-07	3.66E-07	1.96E-06	7.20E-07
1211	489335.9	3858927	5.58E-03	5.45E-03	5.37E-03	1.93E-06	5.83E-06	3.38E-06	3.29E-06	2.99E-06	1.36E-06	1.34E-06	0.00E+00	0.00E+00	6.21E-07	1.12E-07	7.10E-07	1.09E-07	1.04E-07	1.66E-06	1.76E-06	6.46E-07	8.79E-07	3.28E-07	1.76E-06	6.46E-07
1212	489385.9	3858927	5.06E-03	4.94E-03	4.87E-03	1.75E-06	5.29E-06	3.06E-06	2.99E-06	2.71E-06	1.24E-06	1.22E-06	0.00E+00	0.00E+00	5.63E-07	1.01E-07	6.43E-07	9.92E-08	9.44E-08	1.50E-06	1.60E-06	5.86E-07	7.97E-07	2.98E-07	1.60E-06	5.86E-07
1213	489435.9	3858927	4.64E-03	4.52E-03	4.46E-03	1.60E-06	4.84E-06	2.80E-06	2.74E-06	2.48E-06	1.13E-06	1.12E-06	0.00E+00	0.00E+00	5.16E-07	9.29E-08	5.89E-07	9.09E-08	8.65E-08	1.38E-06	1.46E-06	5.37E-07	7.30E-07	2.73E-07	1.46E-06	5.37E-07
1214	489485.9	3858927	4.28E-03	4.18E-03	4.12E-03	1.48E-06	4.47E-06	2.59E-06	2.53E-06	2.29E-06	1.05E-06	1.03E-06	0.00E+00	0.00E+00	4.76E-07	8.58E-08	5.44E-07	8.39E-08	7.99E-08	1.27E-06	1.35E-06	4.95E-07	6.74E-07	2.52E-07	1.35E-06	4.95E-07
1215	489535.9	3858927	3.98E-03	3.88E-03	3.83E-03	1.38E-06	4.16E-06	2.41E-06	2.35E-06	2.13E-06	9.71E-07	9.59E-07	0.00E+00	0.00E+00	4.43E-07	7.97E-08	5.06E-07	7.80E-08	7.42E-08	1.18E-06	1.26E-06	4.60E-07	6.27E-07	2.34E-07	1.26E-06	4.60E-07
1216	489585.9	3858927	3.72E-03	3.63E-03	3.58E-03	1.29E-06	3.88E-06	2.25E-06	2.19E-06	1.99E-06	9.08E-07	8.96E-07	0.00E+00	0.00E+00	4.14E-07	7.45E-08	4.73E-07	7.29E-08	6.94E-08	1.10E-06	1.17E-06	4.30E-07	5.86E-07	2.19E-07	1.17E-06	4.30E-07
1217	489635.9	3858927	3.49E-03	3.41E-03	3.36E-03	1.21E-06	3.65E-06	2.11E-06	2.06E-06	1.87E-06	8.53E-07	8.41E-07	0.00E+00	0.00E+00	3.89E-07	7.00E-08	4.44E-07	6.85E-08	6.52E-08	1.04E-06	1.10E-06	4.04E-07	5.50E-07	2.06E-07	1.10E-06	4.04E-07
1218	489685.9	3858927	3.29E-03	3.21E-03	3.17E-03	1.14E-06	3.44E-06	1.99E-06	1.94E-06	1.76E-06	8.04E-07	7.93E-07	0.00E+00	0.00E+00	3.67E-07	6.60E-08	4.19E-07	6.46E-08	6.14E-08	9.77E-07	1.04E-06	3.81E-07	5.19E-07	1.94E-07	1.04E-06	3.81E-07
1219	489735.9	3858927	3.12E-03	3.05E-03	3.01E-03	1.08E-06	3.26E-06	1.89E-06	1.84E-06	1.67E-06	7.62E-07	7.52E-07	0.00E+00	0.00E+00	3.47E-07	6.26E-08	3.97E-07	6.12E-08	5.82E-08	9.26E-07	9.85E-07	3.61E-07	4.92E-07	1.84E-07	9.85E-07	3.61E-07
1220	489785.9	3858927	2.97E-03	2.90E-03	2.86E-03	1.03E-06	3.10E-06	1.80E-06	1.75E-06	1.59E-06	7.25E-07	7.16E-07	0.00E+00	0.00E+00	3.31E-07	5.95E-08	3.78E-07	5.82E-08	5.54E-08	8.81E-07	9.37E-07	3.44E-07	4.68E-07	1.75E-07	9.37E-07	3.44E-07
1221	489835.9	3858927	2.83E-03	2.76E-03	2.72E-03	9.79E-07	2.96E-06	1.71E-06	1.67E-06	1.51E-06	6.91E-07	6.82E-07	0.00E+00	0.00E+00	3.15E-07	5.67E-08	3.60E-07	5.55E-08	5.28E-08	8.40E-07	8.93E-07	3.28E-07	4.46E-07	1.67E-07	8.93E-07	3.28E-07
1222	489885.9	3858927	2.71E-03	2.64E-03	2.61E-03	9.37E-07	2.83E-06	1.64E-06	1.60E-06	1.45E-06	6.61E-07	6.52E-07	0.00E+00	0.00E+00	3.01E-07	5.42E-08	3.44E-07	5.31E-08	5.05E-08	8.03E-07	8.54E-07	3.13E-07	4.26E-07	1.59E-07	8.54E-07	3.13E-07
1223	489935.9	3858927	2.59E-03	2.53E-03	2.50E-03	8.97E-07	2.71E-06	1.57E-06	1.53E-06	1.39E-06	6.33E-07	6.24E-07	0.00E+00	0.00E+00	2.88E-07	5.19E-08	3.30E-07	5.08E-08	4.84E-08	7.69E-07	8.18E-07	3.00E-07	4.08E-07	1.53E-07	8.18E-07	3.00E-07
1224	489985.9	3858927	2.48E-03	2.42E-03	2.39E-03	8.59E-07	2.59E-06	1.50E-06	1.47E-06	1.33E-06	6.06E-07	5.98E-07	0.00E+00	0.00E+00	2.76E-07	4.98E-08	3.16E-07	4.87E-08	4.63E-08	7.37E-07	7.84E-07	2.87E-07	3.91E-07	1.46E-07	7.84E-07	2.87E-07
1225	490035.9	3858927	2.37E-03	2.31E-03	2.28E-03	8.20E-07	2.48E-06	1.43E-06	1.40E-06	1.27E-06	5.79E-07	5.71E-07	0.00E+00	0.00E+00	2.64E-07	4.75E-08	3.01E-07	4.65E-08	4.42E-08	7.03E-07	7.48E-07	2.74E-07	3.73E-07	1.39E-07	7.48E-07	2.74E-07

1226	489335.9	3858977	6.74E-03	6.58E-03	6.49E-03	2.33E-06	7.05E-06	4.08E-06	3.98E-06	3.61E-06	1.65E-06	1.63E-06	0.00E+00	0.00E+00	7.51E-07	1.35E-07	8.58E-07	1.32E-07	1.26E-07	2.00E-06	2.13E-06	7.81E-07	1.06E-06	3.97E-07	2.13E-06	7.81E-07
1227	489385.9	3858977	6.00E-03	5.85E-03	5.78E-03	2.08E-06	6.27E-06	3.63E-06	3.54E-06	3.21E-06	1.47E-06	1.45E-06	0.00E+00	0.00E+00	6.68E-07	1.20E-07	7.63E-07	1.18E-07	1.12E-07	1.78E-06	1.89E-06	6.95E-07	9.45E-07	3.53E-07	1.89E-06	6.95E-07
1228	489435.9	3858977	5.42E-03	5.29E-03	5.22E-03	1.88E-06	5.66E-06	3.28E-06	3.20E-06	2.90E-06	1.32E-06	1.31E-06	0.00E+00	0.00E+00	6.03E-07	1.09E-07	6.89E-07	1.06E-07	1.01E-07	1.61E-06	1.71E-06	6.27E-07	8.54E-07	3.19E-07	1.71E-06	6.27E-07
1229	489485.9	3858977	4.94E-03	4.82E-03	4.75E-03	1.71E-06	5.16E-06	2.99E-06	2.92E-06	2.64E-06	1.21E-06	1.19E-06	0.00E+00	0.00E+00	5.50E-07	9.90E-08	6.28E-07	9.68E-08	9.21E-08	1.47E-06	1.56E-06	5.72E-07	7.78E-07	2.91E-07	1.56E-06	5.72E-07
1230	489535.9	3858977	4.54E-03	4.43E-03	4.37E-03	1.57E-06	4.74E-06	2.74E-06	2.68E-06	2.43E-06	1.11E-06	1.09E-06	0.00E+00	0.00E+00	5.05E-07	9.09E-08	5.77E-07	8.90E-08	8.46E-08	1.35E-06	1.43E-06	5.25E-07	7.15E-07	2.67E-07	1.43E-06	5.25E-07
1231	489585.9	3858977	4.20E-03	4.10E-03	4.05E-03	1.46E-06	4.39E-06	2.54E-06	2.48E-06	2.25E-06	1.03E-06	1.01E-06	0.00E+00	0.00E+00	4.68E-07	8.42E-08	5.35E-07	8.24E-08	7.84E-08	1.25E-06	1.33E-06	4.87E-07	6.62E-07	2.47E-07	1.33E-06	4.87E-07
1232	489635.9	3858977	3.92E-03	3.82E-03	3.77E-03	1.36E-06	4.09E-06	2.37E-06	2.31E-06	2.10E-06	9.56E-07	9.43E-07	0.00E+00	0.00E+00	4.36E-07	7.85E-08	4.98E-07	7.68E-08	7.31E-08	1.16E-06	1.24E-06	4.53E-07	6.17E-07	2.30E-07	1.24E-06	4.53E-07
1233	489685.9	3858977	3.66E-03	3.58E-03	3.53E-03	1.27E-06	3.83E-06	2.22E-06	2.16E-06	1.96E-06	8.95E-07	8.83E-07	0.00E+00	0.00E+00	4.08E-07	7.34E-08	4.66E-07	7.19E-08	6.84E-08	1.09E-06	1.16E-06	4.24E-07	5.77E-07	2.16E-07	1.16E-06	4.24E-07
1234	489735.9	3858977	3.45E-03	3.37E-03	3.32E-03	1.19E-06	3.61E-06	2.09E-06	2.04E-06	1.85E-06	8.42E-07	8.31E-07	0.00E+00	0.00E+00	3.84E-07	6.91E-08	4.39E-07	6.76E-08	6.44E-08	1.02E-06	1.09E-06	3.99E-07	5.43E-07	2.03E-07	1.09E-06	3.99E-07
1235	489785.9	3858977	3.26E-03	3.19E-03	3.14E-03	1.13E-06	3.41E-06	1.98E-06	1.93E-06	1.75E-06	7.97E-07	7.87E-07	0.00E+00	0.00E+00	3.63E-07	6.54E-08	4.15E-07	6.40E-08	6.09E-08	9.69E-07	1.03E-06	3.78E-07	5.14E-07	1.92E-07	1.03E-06	3.78E-07
1236	489835.9	3858977	3.10E-03	3.02E-03	2.98E-03	1.07E-06	3.24E-06	1.87E-06	1.83E-06	1.66E-06	7.57E-07	7.47E-07	0.00E+00	0.00E+00	3.45E-07	6.21E-08	3.94E-07	6.08E-08	5.78E-08	9.19E-07	9.78E-07	3.59E-07	4.88E-07	1.82E-07	9.78E-07	3.59E-07
1237	489885.9	3858977	2.94E-03	2.87E-03	2.83E-03	1.02E-06	3.08E-06	1.78E-06	1.74E-06	1.58E-06	7.19E-07	7.09E-07	0.00E+00	0.00E+00	3.28E-07	5.90E-08	3.74E-07	5.77E-08	5.49E-08	8.73E-07	9.29E-07	3.41E-07	4.64E-07	1.73E-07	9.29E-07	3.41E-07
1238	489935.9	3858977	2.80E-03	2.74E-03	2.70E-03	9.71E-07	2.93E-06	1.70E-06	1.66E-06	1.50E-06	6.85E-07	6.76E-07	0.00E+00	0.00E+00	3.12E-07	5.62E-08	3.57E-07	5.50E-08	5.23E-08	8.33E-07	8.85E-07	3.25E-07	4.42E-07	1.65E-07	8.85E-07	3.25E-07
1239	489985.9	3858977	2.68E-03	2.61E-03	2.58E-03	9.28E-07	2.80E-06	1.62E-06	1.58E-06	1.43E-06	6.54E-07	6.46E-07	0.00E+00	0.00E+00	2.98E-07	5.37E-08	3.41E-07	5.26E-08	5.00E-08	7.95E-07	8.46E-07	3.10E-07	4.22E-07	1.58E-07	8.46E-07	3.10E-07
1240	490035.9	3858977	2.52E-03	2.46E-03	2.43E-03	8.74E-07	2.64E-06	1.53E-06	1.49E-06	1.35E-06	6.17E-07	6.08E-07	0.00E+00	0.00E+00	2.81E-07	5.06E-08	3.21E-07	4.95E-08	4.71E-08	7.49E-07	7.97E-07	2.92E-07	3.98E-07	1.49E-07	7.97E-07	2.92E-07
1241	489385.9	3859027	7.40E-03	7.22E-03	7.12E-03	2.56E-06	7.73E-06	4.48E-06	4.37E-06	3.96E-06	1.81E-06	1.78E-06	0.00E+00	0.00E+00	8.23E-07	1.48E-07	9.41E-07	1.45E-07	1.38E-07	2.20E-06	2.33E-06	8.56E-07	1.17E-06	4.35E-07	2.33E-06	8.56E-07
1242	489435.9	3859027	6.53E-03	6.37E-03	6.29E-03	2.26E-06	6.82E-06	3.95E-06	3.85E-06	3.49E-06	1.59E-06	1.57E-06	0.00E+00	0.00E+00	7.27E-07	1.31E-07	8.30E-07	1.28E-07	1.22E-07	1.94E-06	2.06E-06	7.56E-07	1.03E-06	3.84E-07	2.06E-06	7.56E-07
1243	489485.9	3859027	5.84E-03	5.70E-03	5.63E-03	2.02E-06	6.11E-06	3.54E-06	3.45E-06	3.13E-06	1.43E-06	1.41E-06	0.00E+00	0.00E+00	6.51E-07	1.17E-07	7.43E-07	1.15E-07	1.09E-07	1.73E-06	1.84E-06	6.77E-07	9.21E-07	3.44E-07	1.84E-06	6.77E-07
1244	489535.9	3859027	5.30E-03	5.17E-03	5.10E-03	1.83E-06	5.54E-06	3.20E-06	3.13E-06	2.83E-06	1.29E-06	1.28E-06	0.00E+00	0.00E+00	5.90E-07	1.06E-07	6.73E-07	1.04E-07	9.88E-08	1.57E-06	1.67E-06	6.13E-07	8.34E-07	3.12E-07	1.67E-06	6.13E-07
1245	489585.9	3859027	4.84E-03	4.72E-03	4.66E-03	1.68E-06	5.06E-06	2.93E-06	2.86E-06	2.59E-06	1.18E-06	1.17E-06	0.00E+00	0.00E+00	5.39E-07	9.70E-08	6.15E-07	9.49E-08	9.03E-08	1.44E-06	1.53E-06	5.60E-07	7.62E-07	2.85E-07	1.53E-06	5.60E-07
1246	489635.9	3859027	4.46E-03	4.35E-03	4.30E-03	1.54E-06	4.66E-06	2.70E-06	2.63E-06	2.39E-06	1.09E-06	1.08E-06	0.00E+00	0.00E+00	4.97E-07	8.94E-08	5.67E-07	8.75E-08	8.33E-08	1.32E-06	1.41E-06	5.17E-07	7.03E-07	2.63E-07	1.41E-06	5.17E-07
1247	489685.9	3859027	4.14E-03	4.04E-03	3.99E-03	1.43E-06	4.33E-06	2.51E-06	2.44E-06	2.22E-06	1.01E-06	9.98E-07	0.00E+00	0.00E+00	4.61E-07	8.30E-08	5.27E-07	8.12E-08	7.73E-08	1.23E-06	1.31E-06	4.79E-07	6.52E-07	2.44E-07	1.31E-06	4.79E-07
1248	489735.9	3859027	3.87E-03	3.78E-03	3.73E-03	1.34E-06	4.04E-06	2.34E-06	2.28E-06	2.07E-06	9.45E-07	9.32E-07	0.00E+00	0.00E+00	4.31E-07	7.75E-08	4.92E-07	7.59E-08	7.22E-08	1.15E-06	1.22E-06	4.48E-07	6.09E-07	2.28E-07	1.22E-06	4.48E-07
1249	489785.9	3859027	3.63E-03	3.54E-03	3.50E-03	1.26E-06	3.80E-06	2.20E-06	2.14E-06	1.94E-06	8.87E-07	8.75E-07	0.00E+00	0.00E+00	4.04E-07	7.28E-08	4.62E-07	7.12E-08	6.78E-08	1.08E-06	1.15E-06	4.20E-07	5.72E-07	2.14E-07	1.15E-06	4.20E-07
1250	489835.9	3859027	3.42E-03	3.33E-03	3.29E-03	1.18E-06	3.57E-06	2.07E-06	2.02E-06	1.83E-06	8.34E-07	8.23E-07	0.00E+00	0.00E+00	3.80E-07	6.85E-08	4.34E-07	6.70E-08	6.38E-08	1.01E-06	1.08E-06	3.95E-07	5.38E-07	2.01E-07	1.08E-06	3.95E-07
1251	489885.9	3859027	3.23E-03	3.15E-03	3.11E-03	1.12E-06	3.38E-06	1.95E-06	1.91E-06	1.73E-06	7.89E-07	7.79E-07	0.00E+00	0.00E+00	3.60E-07	6.47E-08	4.11E-07	6.34E-08	6.03E-08	9.59E-07	1.02E-06	3.74E-07	5.09E-07	1.90E-07	1.02E-06	3.74E-07
1252	489935.9	3859027	3.06E-03	2.99E-03	2.95E-03	1.06E-06	3.20E-06	1.85E-06	1.81E-06	1.64E-06	7.48E-07	7.38E-07	0.00E+00	0.00E+00	3.41E-07	6.14E-08	3.90E-07	6.01E-08	5.72E-08	9.09E-07	9.67E-07	3.55E-07	4.83E-07	1.80E-07	9.67E-07	3.55E-07
1253	489985.9	3859027	2.91E-03	2.84E-03	2.80E-03	1.01E-06	3.04E-06	1.76E-06	1.72E-06	1.56E-06	7.11E-07	7.02E-07	0.00E+00	0.00E+00	3.24E-07	5.84E-08	3.70E-07	5.71E-08	5.43E-08	8.64E-07	9.19E-07	3.37E-07	4.59E-07	1.71E-07	9.19E-07	3.37E-07
1254	490035.9	3859027	2.72E-03	2.65E-03	2.62E-03	9.42E-07	2.84E-06	1.65E-06	1.61E-06	1.46E-06	6.64E-07	6.55E-07	0.00E+00	0.00E+00	3.03E-07	5.45E-08	3.46E-07	5.33E-08	5.08E-08	8.07E-07	8.58E-07	3.15E-07	4.28E-07	1.60E-07	8.58E-07	3.15E-07
1255	489485.9	3859077	7.18E-03	7.01E-03	6.92E-03	2.49E-06	7.51E-06	4.35E-06	4.24E-06	3.84E-06	1.75E-06	1.73E-06	0.00E+00	0.00E+00	8.00E-07	1.44E-07	9.14E-07	1.41E-07	1.34E-07	2.13E-06	2.27E-06	8.32E-07	1.13E-06	4.23E-07	2.27E-06	8.32E-07
1256	489535.9	3859077	6.37E-03	6.21E-03	6.13E-03	2.20E-06	6.65E-06	3.85E-06	3.76E-06	3.41E-06	1.55E-06	1.53E-06	0.00E+00	0.00E+00	7.09E-07	1.28E-07	8.09E-07	1.25E-07	1.19E-07	1.89E-06	2.01E-06	7.37E-07	1.00E-06	3.75E-07	2.01E-06	7.37E-07
1257	489585.9	3859077	5.72E-03	5.58E-03	5.50E-03	1.98E-06	5.97E-06	3.46E-06	3.38E-06	3.06E-06	1.40E-06	1.38E-06	0.00E+00	0.00E+00	6.36E-07	1.15E-07	7.27E-07	1.12E-07	1.07E-07	1.70E-06	1.80E-06	6.62E-07	9.00E-07	3.37E-07	1.80E-06	6.62E-07
1258	489635.9	3859077	5.20E-03	5.07E-03	5.01E-03	1.80E-06	5.44E-06	3.15E-06	3.07E-06	2.78E-06	1.27E-06	1.25E-06	0.00E+00	0.00E+00	5.79E-07	1.04E-07	6.61E-07	1.02E-07	9.70E-08	1.54E-06	1.64E-06	6.02E-07	8.19E-07	3.06E-07	1.64E-06	6.02E-07
1259	489685.9	3859077	4.77E-03	4.66E-03	4.59E-03	1.65E-06	4.99E-06	2.89E-06	2.82E-06	2.55E-06	1.17E-06	1.15E-06	0.00E+00	0.00E+00	5.31E-07	9.56E-08	6.07E-07	9.36E-08	8.90E-08	1.42E-06	1.51E-06	5.52E-07	7.52E-07	2.81E-07	1.51E-06	5.52E-07
1260	489735.9	3859077	4.41E-03	4.30E-03	4.24E-03	1.53E-06	4.61E-06	2.67E-06	2.60E-06	2.36E-06	1.08E-06	1.06E-06	0.00E+00	0.00E+00	4.91E-07	8.84E-08	5.61E-07	8.65E-08	8.23E-08	1.31E-06	1.39E-06	5.10E-07	6.94E-07	2.60E-07	1.39E-06	5.10E-07
1261	489785.9	3859077	4.10E-03	4.00E-03	3.95E-03	1.42E-06	4.28E-06	2.48E-06	2.42E-06	2.19E-06	1.00E-06	9.88E-07	0.00E+00	0.00E+00	4.56E-07	8.21E-08	5.21E-07	8.04E-08	7.65E-08	1.22E-06	1.29E-06	4.74E-07	6.46E-07	2.41E-07	1.29E-06	4.74E-07
1262	489835.9	3859077	3.83E-03	3.73E-03	3.68E-03	1.32E-06	4.00E-06	2.32E-06	2.26E-06	2.05E-06	9.35E-07	9.22E-07	0.00E+00	0.00E+00	4.26E-07	7.67E-08	4.87E-07	7.50E-08	7.14E-08	1.14E-06	1.21E-06	4.43E-07	6.03E-07	2.25E-07	1.21E-06	4.43E-07
1263	489885.9	3859077	3.59E-03	3.50E-03	3.46E-03	1.24E-06	3.75E-06	2.17E-06	2.12E-06	1.92E-06	8.76E-07	8.65E-07	0.00E+00	0.00E+00	3.99E-07	7.19E-08	4.56E-07	7.04E-08	6.70E-08	1.07E-06	1.13E-06	4.15E-07	5.65E-07	2.11E-07	1.13E-06	4.15E-07
1264	489935.9	3859077	3.38E-03	3.30E-03	3.26E-03	1.17E-06	3.54E-06	2.05E-06	2.00E-06	1.81E-06	8.26E-07	8.16E-07	0.00E+00	0.00E+00	3.77E-07	6.78E-08	4.30E-07	6.64E-08	6.31E-08	1.00E-06	1.07E-06	3.92E-07	5.33E-07	1.99E-07	1.07E-06	3.92E-07
1265	489985.9	3859077	3.20E-03	3.12E-03	3.08E-03	1.11E-06	3.34E-06	1.93E-06	1.89E-06	1.71E-06	7.81E-07	7.70E-07	0.00E+00	0.00E+00	3.56E-07	6.41E-08	4.06E-07	6.27E-08	5.96E-08	9.49E-07	1.01E-06	3.70E-07	5.04E-07	1.88E-07	1.01E-06	3.70E-07
1266	490035.9	3859077	2.98E-03	2.91E-03	2.87E-03	1.03E-06	3.11E-06	1.80E-06	1.76E-06	1.59E-06	7.27E-07	7.18E-07	0.00E+00	0.00E+00	3.32E-07	5.97E-08	3.79E-07	5.84E-08	5.56E-08	8.84E-07	9.40E-07	3.45E-07	4.69E-07	1.75E-07	9.40E-07	3.45E-07
1267	489585.9	3859127	7.00E-03	6.83E-03	6.74E-03	2.42E-06	7.31E-06	4.23E-06	4.13E-06	3.75E-06	1.71E-06	1.69E-06	0.00E+00	0.00E+00	7.79E-07	1.40E-07	8.90E-07	1.37E-07	1.31E-07	2.08E-06	2.21E-06	8.10E-07	1.10E-06	4.12E-07	2.21E-06	8.10E-07
1268	489635.9	3859127	6.24E-03	6.08E-03	6.00E-03	2.16E-06	6.52E-06	3.77E-06	3.68E-06	3.34E-06	1.52E-06	1.50E-06	0.00E+00	0.00E+00	6.94E-07	1.25E-07	7.93E-07	1.22E-07	1.16E-07	1.85E-06	1.97E-06	7.22E-07	9.82E-07	3.67E-07	1.97E-06	7.22E-07
1269	489685.9	3859127	5.62E-03	5.49E-03	5.41E-03	1.95E-06	5.88E-06	3.40E-06	3.32E-06	3.01E-06	1.37E-06	1.35E-06	0.00E+00	0.00E+00	6.26E-07	1.13E-07	7.15E-07	1.10E-07	1.05E-07	1.67E-06	1.77E-06	6.51E-07	8.86E-07	3.31E-07	1.77E-06	6.51E-07
1270	489735.9	3859127	5.12E-03	5.00E-03	4.93E-03	1.77E-06	5.35E-06	3.10E-06	3.02E-06	2.74E-06	1.25E-06	1.23E-06	0.00E+00	0.00E+00	5.70E-07	1.03E-07	6.51E-07	1.00E-07	9.56E-08	1.52E-06	1.62E-06	5.93E-07	8.07E-07	3.02E-07	1.62E-06	5.93E-07
1271	489785.9	3859127	4.71E-03	4.59E-03	4.53E-03	1.63E-06	4.92E-06	2.85E-06	2.78E-06	2.52E-06	1.15E-06	1.13E-06	0.00E+00	0.00E+00	5.24E-07	9.43E-08	5.99E-07	9.23E-08	8.78E-08	1.40E-06	1.49E-06	5.45E-07	7.41E-07	2.77E-07	1.49E-06	5.45E-07
1272	489835.9	3859127	4.35E-03	4.24E-03	4.19E-03	1.51E-06	4.55E-06	2.63E-06	2.57E-06	2.33E-06	1.06E-06	1.05E-06	0.00E+00	0.00E+00	4.84E-07	8.72E-08	5.53E-07	8.53E-08	8.12E-08	1.29E-06	1.37E-06	5.04E-07	6.85E-07	2.56E-07	1.37E-06	5.04E-07
1273	489885.9	3859127	4.04E-03	3.94E-03	3.89E-03	1.40E-06	4.22E-06	2.44E-06	2.39E-06	2.16E-06	9.87E-07	9.73E-07	0.00E+00	0.00E+00	4.50E-07	8.10E-08	5.14E-07	7.92E-08	7.54E-08	1.20E-06	1.27E-06	4.68E-07	6.36E-07	2.38E-07	1.27E-06	4.68E-07
1274	489935.9	3859127	3.78E-03	3.69E-03	3.64E-03	1.31E-06	3.95E-06	2.29E-06	2.23E-06	2.02E-06	9.23E-07	9.11E-07	0.00E+00	0.00E+00	4.21E-07	7.57E-08	4.81E-07	7.41E-08	7.05E-08	1.12E-06	1.19E-06	4.38E-07	5.95E-07	2.22E-07	1.19E-06	4.38E-07
1275	489985.9	3859127	3.53E-03	3.45E-03	3.40E-03	1.22E-06	3.69E-06	2.14E-06	2.09E-06	1.89E-06	8.63E-07	8.51E-07	0.00E+00	0.00E+00	3.93E-07	7.08E-08	4.49E-07	6.93E-08	6.59E-08	1.05E-06	1.11E-06	4.09E-07	5.56E-07	2.08E-07	1.11E-06	4.09E-07
1276	490035.9	3859127	3.30E-03	3.22E-03	3.18E-03	1.14E-06	3.45E-06	2.00E-06	1.95E-06	1.77E-06	8.06E-07	7.95E-07	0.00E+00	0.00E+00	3.67E-07	6.61E-08	4.20E-07	6.47E-08	6.16E-08	9.79E-07	1.04E-06	3.82E-07	5.20E-07	1.94E-07	1.04E-06	3.82E-07
1277	489585.9	3859177	8.99E-03	8.78E-03	8.66E-03	3.11E-06	9.40E-06	5.44E-06	5.31E-06	4.81E-06	2.20E-06	2.17E-06	0.00E+00	0.00E+00	1.00E-06	1.80E-07	1.14E-06	1.76E-07	1.68E-07	2.67E-06	2.84E-06	1.04E-06	1.42E-06	5.30E-07	2.84E-06	1.04E-06
1278	489635.9	3859177	7.77E-03	7.58E-03	7.48E-03	2.69E-06	8.12E-06	4.70E-06	4.59E-06	4.16E-06	1.90E-06	1.87E-06	0.00E+00	0.00E+00	8.65E-07	1.56E-07	9.88E-07	1.52E-07	1.45E-07	2.31E-06	2.45E-06	9.00E-07	1.22E-06	4.57E-07	2.45E-06	9.00E-07
1279	489685.9	3859177	6.85E-03	6.68E-03	6.59E-03	2.37E-06	7.16E-06	4.14E-06	4.04E-06	3.67E-06	1.67E-06	1.65E-06	0.00E+00	0.00E+00	7.62E-07	1.37E-07	8.71E-07	1.34E-07	1.28E-07	2.03E-06	2.16E-06	7.93E-07	1.08E-06	4.03E-07	2.16E-06	7.93E-07
1280	489735.9	3859177	6.12E-03	5.98E-03	5.90E-03	2.12E-06	6.40E-06	3.71E-06	3.62E-06	3.28E-06	1.50E-06	1.48E-06	0.00E+00	0.00E+00	6.82E-07	1.23E-07	7.79E-07	1.20E-07	1.14E-07	1.82E-06	1.93E-06	7.09E-07	9.65E-07	3.61E-07	1.93E-06	7.09E-07
1281	489785.9	3859177	5.53E-03	5.40E-03	5.32E-03	1.91E-06	5.78E-06	3.35E-06	3.26E-06	2.96E-06	1.35E-06	1.33E-06	0.00E+00	0.00E+00	6.15E-07	1.11E-07	7.03E-07	1.08E-07	1.03E-07	1.64E-06	1.75E-06	6.40E-07	8.71E-07	3.25E-07	1.75E-06	6.40E-07
1282	489835.9	3859177	5.04E-03	4.92E-03	4.86E-03	1.75E-06	5.27E-06	3.05E-06	2.98E-06	2.70E-06	1.23E-06	1.22E-06	0.00E+00	0.00E+00	5.61E-07	1.01E-07	6.41E-07	9.89E-08	9.41E-08	1.50E-06	1.59E-06	5.84E-07	7.95E-07	2.97E-07	1.59E-06	5.84E-07
1283	489885.9	3859177	4.63E-03	4.52E-03	4.46E-03	1.60E-06	4.84E-06	2.80E-06	2.74E-06	2.48E-06	1.13E-06	1.12E-06	0.00E+00	0.00E+00	5.16E-07	9.28E-08	5.89E-07	9.08E-08	8.64E-08	1.37E-06	1.46E-06	5.36E-07	7.30E-07	2.73E-07	1.46E-06	5.36E-07
1284	489935.9	3859177	4.29E-03	4.19E-03	4.13E-03	1.49E-06	4.48E-06	2.60E-06	2.53E-06	2.30E-06	1.05E-06	1.03E-06	0.00E+00	0.00E+00	4.78E-07	8.60E-08	5.46E-07	8.41E-08	8.01E-08	1.27E-06	1.35E-06	4.97E-07	6.76E-07	2.53E-07	1.35E-06	4.97E-07
1285	489985.9	3859177	3.97E-03	3.88E-03	3.82E-03	1.37E-06	4.15E-06	2.40E-06	2.34E-06	2.13E-06	9.70E-07	9.57E-07	0.00E+00	0.00E+00	4.42E-07	7.96E-08	5.05E-07	7.79E-08	7.41E-08	1.18E-06	1.25E-06	4.60E-07	6.26E-07	2.34E-07	1.25E-06	4.60E-07
1286	490035.9	3859177	3.72E-03	3.63E-03	3.58E-03	1.29E-06	3.89E-06	2.25E-06	2.20E-06	1.99E-06	9.09E-07	8.97E-07	0.00E+00	0.00E+00	4.14E-07	7.46E-08	4.73E-07	7.30E-08	6.94E-08	1.10E-06	1.17E-06	4.31E-07	5.86E-07	2.19E-07	1.17E-06	4.31E-07
1287	489685.9	3859227	8.74E-03	8.53E-03	8.41E-03	3.02E-06	9.13E-06	5.29E-06	5.16E-06	4.68E-06	2.13E-06	2.11E-06	0.00E+00	0.00E+00	9.73E-07	1.75E-07	1.11E-06	1.71E-07	1.63E-07	2.59E-06	2.76E-06	1.01E-06	1.38E-06	5.14E-07	2.76E-06	1.01E-06
1288	489735.9	3859227	7.60E-03	7.42E-03	7.32E-03	2.63E-06	7.94E-06	4.60E-06	4.49E-06	4.07E-06	1.86E-06	1.83E-06	0.00E+00	0.00E+00	8.46E-07	1.52E-07	9.67E-07	1.49E-07	1.42E-07	2.26E-06	2.40E-06	8.80E-07	1.20E-06	4.47E-07	2.40E-06	8.80E-07
1289	489785.9	3859227	6.71E-03	6.55E-03	6.46E-03	2.32E-06	7.01E-06	4.06E-06	3.96E-06	3.59E-06	1.64E-06	1.62E-06	0.00E+00	0.00E+00	7.47E-07	1.35E-07	8.53E-07	1.32E-07	1.25E-07	1.99E-06	2.12E-06	7.77E-07	1.06E-06	3.95E-07	2.12E-06	7.77E-07
1290	489835.9	3859227	6.00E-03	5.85E-03	5.78E-03	2.08E-06	6.27E-06	3.63E-06	3.54E-06	3.21E-06	1.47E-06	1.45E-06	0.00E+00	0.00E+00	6.68E-07	1.20E-07	7.63E-07	1.18E-07	1.12E-07	1.78E-06	1.89E-06	6.94E-07	9.45E-07	3.53E-07	1.89E-06	6.94E-07
1291	489885.9	3859227	5.43E-03	5.30E-03	5.23E-03	1.88E-06	5.68E-06	3.29E-06	3.21E-06	2.91E-06	1.33E-06	1.31E-06	0.00E+00	0.00E+00	6.04E-07	1.09E-07	6.91E-07	1.06E-07	1.01E-07	1.61E-06	1.71E-06	6.29E-07	8.55E-07	3.20E-07	1.71E-06	6.29E-07
1292	489935.9	3859227	4.96E-03	4.84E-03	4.77E-03	1.72E-06	5.18E-06	3.00E-06	2.93E-06	2.65E-06	1.21E-06	1.19E-06	0.00E+00	0.00E+00	5.52E-07	9.93E-08	6.30E-07	9.72E-08	9.25E-08	1.47E-06	1.56E-06	5.74E-07	7.81E-07	2.92E-07	1.56E-06	5.74E-07
1293	489985.9	3859227	4.52E-03	4.41E-03	4.36E-03	1.57E-06	4.73E-06	2.74E-06	2.67E-06	2.42E-06	1.10E-06	1.09E-06	0.00E+00	0.00E+00	5.03E-07	9.06E-08	5.75E-07	8.87E-08	8.44E-08	1.34E-06	1.43E-06	5.24E-07	7.13E-07	2.66E-07	1.43E-06	5.24E-07
1294	490035.9	3859227	4.21E-03	4.10E-03	4.05E-03	1.46E-06	4.40E-06	2.55E-06	2.48E-06	2.25E-06	1.03E-06	1.01E-06	0.00E+00	0.00E+00	4.68E-07	8.43E-08	5.35E-07	8.25E-08	7.85E-08	1.25E-06	1.33E-06	4.87E-07	6.63E-07	2.48E-07	1.33E-06	4.87E-07
1295	489735.9	3859277	1.00E-02	9.77E-03	9.64E-03	3.46E-06	1.05E-05	6.06E-06	5.91E-06	5.36E-06	2.44E-06	2.41E-06	0.00E+00	0.00E+00	1.11E-06	2.01E-07	1.27E-06	1.96E-07	1.87E-07	2.97E-06	3.16E-06	1.16E-06	1.58E-06	5.89E-07	3.16E-06	1.16E-06
1296	489785.9	3859277	8.53E-03	8.33E-03	8.22E-03	2.95E-06	8.92E-06	5.16E-06	5.04E-06	4.57E-06	2.08E-06	2.06E-06	0.00E+00	0.00E+00	9.50E-07	1.71E-07	1.09E-06	1.67E-07	1.59E-07	2.53E-06	2.69E-06	9.88E-07	1.34E-06	5.02E-07	2.69E-06	9.88E-07
1297	489835.9	3859277	7.41E-03	7.23E-03	7.14E-03	2.57E-06	7.75E-06	4.48E-06	4.38E-06	3.97E-06	1.81E-06	1.79E-06	0.00E+00	0.00E+00	8.25E-07	1.49E-07	9.43E-07	1.45E-07	1.38E-07	2.20E-06	2.34E-06	8.58E-07	1.17E-06	4.36E-07	2.34E-06	8.58E-07
1298	489885.9	3859277	6.57E-03	6.41E-03	6.32E-03	2.27E-06	6.86E-06	3.97E-06	3.88E-06	3.51E-06	1.60E-06	1.58E-06	0.00E+00	0.00E+00	7.31E-07	1.32E-07	8.35E-07	1.29E-07	1.23E-07	1.95E-06	2.07E-06	7.60E-07	1.03E-06	3.87E-07	2.07E-06	7.60E-07
1299	489935.9	3859277	5.88E-03	5.74E-03	5.66E-03	2.03E-06	6.14E-06	3.56E-06	3.47E-06	3.15E-06	1.44E-06	1.42E-06	0.00E+00	0.00E+00	6.54E-07	1.18E-07	7.48E-07	1.15E-07	1.10E-07	1.74E-06	1.86E-06	6.80E-07	9.26E-07	3.46E-07	1.86E-06	6.80E-07
1300	489985.9	3859277	5.27E-03	5.14E-03	5.07E-03	1.82E-06	5.50E-06	3.19E-06	3.11E-06	2.82E-06	1.29E-06	1.27E-06	0.00E+00	0.00E+00	5.86E-07	1.06E-07	6.70E-07	1.03E-07	9.83E-08	1.56E-06	1.66E-06	6.10E-07	8.30E-07	3.10E-07	1.66E-06	6.10E-07
1301	490035.9	3859277	4.86E-03	4.75E-03	4.68E-03	1.68E-06	5.08E-06	2.94E-06	2.87E-06	2.60E-06	1.19E-06	1.17E-06	0.00E+00	0.00E+00	5.42E-07	9.75E-08	6.19E-07	9.54E-08	9.08E-08	1.44E-06	1.54E-06	5.63E-07	7.66E-07	2.86E-07	1.54E-06	5.63E-07
1302	490458.1	3859591	8.29E-03	8.09E-03	7.98E-03	2.87E-06	8.67E-06	5.02E-06	4.90E-06	4.44E-06	2.03E-06	2.00E-06	0.00E+00	0.00E+00	9.23E-07	1.66E-07	1.05E-06	1.63E-07	1.55E-07	2.46E-06	2.62E-06	9.60E-07	1.31E-06	4.88E-07	2.62E-06	9.60E-07

1303	490508.1	3859591	7.33E-03	7.16E-03	7.06E-03	2.54E-06	7.66E-06	4.44E-06	4.33E-06	3.92E-06	1.79E-06	1.77E-06	0.00E+00	0.00E+00	8.16E-07	1.47E-07	9.33E-07	1.44E-07	1.37E-07	2.18E-06	2.31E-06	8.49E-07	1.16E-06	4.32E-07	2.31E-06	8.49E-07
1304	490558.1	3859591	6.53E-03	6.37E-03	6.29E-03	2.26E-06	6.83E-06	3.95E-06	3.86E-06	3.50E-06	1.60E-06	1.57E-06	0.00E+00	0.00E+00	7.27E-07	1.31E-07	8.31E-07	1.28E-07	1.22E-07	1.94E-06	2.06E-06	7.56E-07	1.03E-06	3.85E-07	2.06E-06	7.56E-07
1305	490608.1	3859591	5.87E-03	5.73E-03	5.65E-03	2.03E-06	6.14E-06	3.55E-06	3.47E-06	3.14E-06	1.43E-06	1.41E-06	0.00E+00	0.00E+00	6.53E-07	1.18E-07	7.47E-07	1.15E-07	1.10E-07	1.74E-06	1.85E-06	6.80E-07	9.25E-07	3.46E-07	1.85E-06	6.80E-07
1306	490658.1	3859591	5.32E-03	5.19E-03	5.12E-03	1.84E-06	5.56E-06	3.22E-06	3.14E-06	2.85E-06	1.30E-06	1.28E-06	0.00E+00	0.00E+00	5.92E-07	1.07E-07	6.76E-07	1.04E-07	9.92E-08	1.58E-06	1.68E-06	6.16E-07	8.38E-07	3.13E-07	1.68E-06	6.16E-07
1307	490708.1	3859591	4.84E-03	4.73E-03	4.66E-03	1.68E-06	5.06E-06	2.93E-06	2.86E-06	2.59E-06	1.18E-06	1.17E-06	0.00E+00	0.00E+00	5.39E-07	9.71E-08	6.16E-07	9.50E-08	9.04E-08	1.44E-06	1.53E-06	5.61E-07	7.63E-07	2.85E-07	1.53E-06	5.61E-07
1308	490758.1	3859591	4.42E-03	4.31E-03	4.26E-03	1.53E-06	4.62E-06	2.67E-06	2.61E-06	2.37E-06	1.08E-06	1.07E-06	0.00E+00	0.00E+00	4.92E-07	8.86E-08	5.62E-07	8.67E-08	8.25E-08	1.31E-06	1.40E-06	5.12E-07	6.96E-07	2.60E-07	1.40E-06	5.12E-07
1309	490808.1	3859591	4.08E-03	3.99E-03	3.93E-03	1.41E-06	4.27E-06	2.47E-06	2.41E-06	2.19E-06	9.98E-07	9.84E-07	0.00E+00	0.00E+00	4.55E-07	8.19E-08	5.19E-07	8.01E-08	7.62E-08	1.21E-06	1.29E-06	4.73E-07	6.43E-07	2.40E-07	1.29E-06	4.73E-07
1310	490858.1	3859591	3.78E-03	3.69E-03	3.64E-03	1.31E-06	3.95E-06	2.29E-06	2.23E-06	2.02E-06	9.23E-07	9.11E-07	0.00E+00	0.00E+00	4.21E-07	7.58E-08	4.81E-07	7.41E-08	7.05E-08	1.12E-06	1.19E-06	4.38E-07	5.96E-07	2.23E-07	1.19E-06	4.38E-07
1311	490458.1	3859641	1.20E-02	1.17E-02	1.16E-02	4.16E-06	1.26E-05	7.27E-06	7.09E-06	6.43E-06	2.93E-06	2.89E-06	0.00E+00	0.00E+00	1.34E-06	2.41E-07	1.53E-06	2.36E-07	2.24E-07	3.57E-06	3.79E-06	1.39E-06	1.89E-06	7.07E-07	3.79E-06	1.39E-06
1312	490508.1	3859641	1.02E-02	9.97E-03	9.84E-03	3.54E-06	1.07E-05	6.18E-06	6.03E-06	5.47E-06	2.50E-06	2.46E-06	0.00E+00	0.00E+00	1.14E-06	2.05E-07	1.30E-06	2.00E-07	1.91E-07	3.03E-06	3.22E-06	1.18E-06	1.61E-06	6.01E-07	3.22E-06	1.18E-06
1313	490558.1	3859641	8.86E-03	8.64E-03	8.53E-03	3.07E-06	9.26E-06	5.36E-06	5.23E-06	4.74E-06	2.16E-06	2.13E-06	0.00E+00	0.00E+00	9.86E-07	1.78E-07	1.13E-06	1.74E-07	1.65E-07	2.63E-06	2.80E-06	1.03E-06	1.40E-06	5.21E-07	2.80E-06	1.03E-06
1314	490608.1	3859641	7.69E-03	7.50E-03	7.41E-03	2.66E-06	8.04E-06	4.65E-06	4.54E-06	4.12E-06	1.88E-06	1.85E-06	0.00E+00	0.00E+00	8.56E-07	1.54E-07	9.78E-07	1.51E-07	1.44E-07	2.28E-06	2.43E-06	8.90E-07	1.21E-06	4.53E-07	2.43E-06	8.90E-07
1315	490658.1	3859641	6.74E-03	6.58E-03	6.49E-03	2.33E-06	7.05E-06	4.08E-06	3.98E-06	3.61E-06	1.65E-06	1.63E-06	0.00E+00	0.00E+00	7.51E-07	1.35E-07	8.58E-07	1.32E-07	1.26E-07	2.00E-06	2.13E-06	7.81E-07	1.06E-06	3.97E-07	2.13E-06	7.81E-07
1316	490708.1	3859641	6.03E-03	5.88E-03	5.80E-03	2.09E-06	6.30E-06	3.65E-06	3.56E-06	3.23E-06	1.47E-06	1.45E-06	0.00E+00	0.00E+00	6.71E-07	1.21E-07	7.66E-07	1.18E-07	1.12E-07	1.79E-06	1.90E-06	6.98E-07	9.49E-07	3.55E-07	1.90E-06	6.98E-07
1317	490758.1	3859641	5.41E-03	5.28E-03	5.21E-03	1.87E-06	5.66E-06	3.27E-06	3.19E-06	2.90E-06	1.32E-06	1.30E-06	0.00E+00	0.00E+00	6.02E-07	1.08E-07	6.88E-07	1.06E-07	1.01E-07	1.61E-06	1.71E-06	6.26E-07	8.52E-07	3.19E-07	1.71E-06	6.26E-07
1318	490808.1	3859641	4.94E-03	4.82E-03	4.76E-03	1.71E-06	5.17E-06	2.99E-06	2.92E-06	2.65E-06	1.21E-06	1.19E-06	0.00E+00	0.00E+00	5.50E-07	9.91E-08	6.29E-07	9.70E-08	9.23E-08	1.47E-06	1.56E-06	5.72E-07	7.79E-07	2.91E-07	1.56E-06	5.72E-07
1319	490858.1	3859641	4.55E-03	4.44E-03	4.38E-03	1.57E-06	4.75E-06	2.75E-06	2.68E-06	2.43E-06	1.11E-06	1.10E-06	0.00E+00	0.00E+00	5.06E-07	9.11E-08	5.78E-07	8.92E-08	8.48E-08	1.35E-06	1.44E-06	5.26E-07	7.16E-07	2.68E-07	1.44E-06	5.26E-07
1320	490608.1	3859691	1.09E-02	1.07E-02	1.05E-02	3.79E-06	1.14E-05	6.62E-06	6.46E-06	5.86E-06	2.67E-06	2.64E-06	0.00E+00	0.00E+00	1.22E-06	2.19E-07	1.39E-06	2.15E-07	2.04E-07	3.25E-06	3.45E-06	1.27E-06	1.72E-06	6.44E-07	3.45E-06	1.27E-06
1321	490658.1	3859691	9.17E-03	8.95E-03	8.83E-03	3.18E-06	9.59E-06	5.55E-06	5.42E-06	4.91E-06	2.24E-06	2.21E-06	0.00E+00	0.00E+00	1.02E-06	1.84E-07	1.17E-06	1.80E-07	1.71E-07	2.72E-06	2.90E-06	1.06E-06	1.45E-06	5.40E-07	2.90E-06	1.06E-06
1322	490708.1	3859691	7.92E-03	7.73E-03	7.63E-03	2.74E-06	8.28E-06	4.79E-06	4.68E-06	4.24E-06	1.94E-06	1.91E-06	0.00E+00	0.00E+00	8.82E-07	1.59E-07	1.01E-06	1.55E-07	1.48E-07	2.35E-06	2.50E-06	9.17E-07	1.25E-06	4.66E-07	2.50E-06	9.17E-07
1323	490758.1	3859691	6.93E-03	6.76E-03	6.67E-03	2.40E-06	7.24E-06	4.19E-06	4.09E-06	3.71E-06	1.69E-06	1.67E-06	0.00E+00	0.00E+00	7.71E-07	1.39E-07	8.81E-07	1.36E-07	1.29E-07	2.06E-06	2.19E-06	8.02E-07	1.09E-06	4.08E-07	2.19E-06	8.02E-07
1324	490808.1	3859691	6.17E-03	6.02E-03	5.94E-03	2.14E-06	6.45E-06	3.73E-06	3.64E-06	3.30E-06	1.51E-06	1.49E-06	0.00E+00	0.00E+00	6.87E-07	1.24E-07	7.85E-07	1.21E-07	1.15E-07	1.83E-06	1.95E-06	7.14E-07	9.72E-07	3.63E-07	1.95E-06	7.14E-07
1325	490858.1	3859691	5.64E-03	5.51E-03	5.43E-03	1.95E-06	5.90E-06	3.41E-06	3.33E-06	3.02E-06	1.38E-06	1.36E-06	0.00E+00	0.00E+00	6.28E-07	1.13E-07	7.18E-07	1.11E-07	1.05E-07	1.67E-06	1.78E-06	6.53E-07	8.89E-07	3.32E-07	1.78E-06	6.53E-07
1326	490708.1	3859741	1.15E-02	1.12E-02	1.11E-02	3.99E-06	1.20E-05	6.97E-06	6.80E-06	6.16E-06	2.81E-06	2.78E-06	0.00E+00	0.00E+00	1.28E-06	2.31E-07	1.46E-06	2.26E-07	2.15E-07	3.42E-06	3.64E-06	1.33E-06	1.81E-06	6.78E-07	3.64E-06	1.33E-06
1327	490758.1	3859741	9.77E-03	9.54E-03	9.41E-03	3.38E-06	1.02E-05	5.91E-06	5.77E-06	5.23E-06	2.39E-06	2.36E-06	0.00E+00	0.00E+00	1.09E-06	1.96E-07	1.24E-06	1.92E-07	1.82E-07	2.90E-06	3.08E-06	1.13E-06	1.54E-06	5.75E-07	3.08E-06	1.13E-06
1328	490808.1	3859741	8.43E-03	8.22E-03	8.11E-03	2.92E-06	8.81E-06	5.10E-06	4.98E-06	4.51E-06	2.06E-06	2.03E-06	0.00E+00	0.00E+00	9.38E-07	1.69E-07	1.07E-06	1.65E-07	1.57E-07	2.50E-06	2.66E-06	9.76E-07	1.33E-06	4.96E-07	2.66E-06	9.76E-07
1329	490858.1	3859741	7.42E-03	7.24E-03	7.15E-03	2.57E-06	7.76E-06	4.49E-06	4.38E-06	3.97E-06	1.81E-06	1.79E-06	0.00E+00	0.00E+00	8.26E-07	1.49E-07	9.44E-07	1.46E-07	1.39E-07	2.20E-06	2.34E-06	8.59E-07	1.17E-06	4.37E-07	2.34E-06	8.59E-07
1330	490786.6	3859749	9.57E-03	9.34E-03	9.21E-03	3.31E-06	1.00E-05	5.79E-06	5.65E-06	5.12E-06	2.34E-06	2.31E-06	0.00E+00	0.00E+00	1.07E-06	1.92E-07	1.22E-06	1.88E-07	1.79E-07	2.84E-06	3.02E-06	1.11E-06	1.51E-06	5.63E-07	3.02E-06	1.11E-06
1331	490836.6	3859749	8.28E-03	8.08E-03	7.97E-03	2.87E-06	8.65E-06	5.01E-06	4.89E-06	4.43E-06	2.02E-06	1.99E-06	0.00E+00	0.00E+00	9.21E-07	1.66E-07	1.05E-06	1.62E-07	1.54E-07	2.46E-06	2.61E-06	9.58E-07	1.30E-06	4.87E-07	2.61E-06	9.58E-07
1332	490786.6	3859799	1.53E-02	1.50E-02	1.48E-02	5.31E-06	1.60E-05	9.28E-06	9.06E-06	8.21E-06	3.75E-06	3.70E-06	0.00E+00	0.00E+00	1.71E-06	3.08E-07	1.95E-06	3.01E-07	2.86E-07	4.55E-06	4.84E-06	1.78E-06	2.42E-06	9.03E-07	4.84E-06	1.78E-06
1333	490836.6	3859799	1.24E-02	1.21E-02	1.19E-02	4.29E-06	1.29E-05	7.49E-06	7.31E-06	6.63E-06	3.02E-06	2.98E-06	0.00E+00	0.00E+00	1.38E-06	2.48E-07	1.57E-06	2.43E-07	2.31E-07	3.67E-06	3.91E-06	1.43E-06	1.95E-06	7.29E-07	3.91E-06	1.43E-06
1334	492307.8	3854508	3.97E-04	3.88E-04	3.83E-04	1.38E-07	4.15E-07	2.40E-07	2.35E-07	2.13E-07	9.71E-08	9.58E-08	0.00E+00	0.00E+00	4.42E-08	7.97E-09	5.05E-08	7.79E-09	7.42E-09	1.18E-07	1.25E-07	4.60E-08	6.26E-08	2.34E-08	1.25E-07	4.60E-08
1335	486445.7	3854754	7.94E-04	7.75E-04	7.65E-04	2.75E-07	8.30E-07	4.80E-07	4.69E-07	4.25E-07	1.94E-07	1.91E-07	0.00E+00	0.00E+00	8.84E-08	1.59E-08	1.01E-07	1.56E-08	1.48E-08	2.36E-07	2.51E-07	9.19E-08	1.25E-07	4.67E-08	2.51E-07	9.19E-08
1336	472599.8	3877830	3.32E-05	3.24E-05	3.20E-05	1.15E-08	3.47E-08	2.01E-08	1.96E-08	1.78E-08	8.11E-09	8.00E-09	0.00E+00	0.00E+00	3.69E-09	6.65E-10	4.22E-09	6.51E-10	6.19E-10	9.85E-09	1.05E-08	3.84E-09	5.23E-09	1.95E-09	1.05E-08	3.84E-09
1337	493107.5	3866840	7.30E-05	7.13E-05	7.03E-05	2.53E-08	7.63E-08	4.42E-08	4.31E-08	3.91E-08	1.78E-08	1.76E-08	0.00E+00	0.00E+00	8.13E-09	1.46E-09	9.29E-09	1.43E-09	1.36E-09	2.17E-08	2.30E-08	8.45E-09	1.15E-08	4.30E-09	2.30E-08	8.45E-09
1338	495815.8	3861663	3.20E-03	3.12E-03	3.08E-03	1.11E-06	3.34E-06	1.93E-06	1.89E-06	1.71E-06	7.80E-07	7.70E-07	0.00E+00	0.00E+00	3.56E-07	6.40E-08	4.06E-07	6.27E-08	5.96E-08	9.49E-07	1.01E-06	3.70E-07	5.03E-07	1.88E-07	1.01E-06	3.70E-07
1339	480272.3	3841389	6.02E-05	5.87E-05	5.79E-05	2.08E-08	6.29E-08	3.64E-08	3.55E-08	3.22E-08	1.47E-08	1.45E-08	0.00E+00	0.00E+00	6.70E-09	1.21E-09	7.65E-09	1.18E-09	1.12E-09	1.79E-08	1.90E-08	6.96E-09	9.48E-09	3.54E-09	1.90E-08	6.96E-09
1340	497005.2	3862814	1.11E-03	1.09E-03	1.07E-03	3.85E-07	1.16E-06	6.74E-07	6.57E-07	5.96E-07	2.72E-07	2.68E-07	0.00E+00	0.00E+00	1.24E-07	2.23E-08	1.42E-07	2.18E-08	2.08E-08	3.30E-07	3.51E-07	1.29E-07	1.75E-07	6.56E-08	3.51E-07	1.29E-07
1341	493677.3	3860303	1.22E-03	1.19E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.21E-07	6.53E-07	2.98E-07	2.94E-07	0.00E+00	0.00E+00	1.36E-07	2.45E-08	1.55E-07	2.39E-08	2.28E-08	3.62E-07	3.85E-07	1.41E-07	1.92E-07	7.19E-08	3.85E-07	1.41E-07
1342	493727.3	3860303	1.20E-03	1.17E-03	1.15E-03	4.15E-07	1.25E-06	7.26E-07	7.08E-07	6.42E-07	2.93E-07	2.89E-07	0.00E+00	0.00E+00	1.34E-07	2.40E-08	1.53E-07	2.35E-08	2.24E-08	3.56E-07	3.79E-07	1.39E-07	1.89E-07	7.06E-08	3.79E-07	1.39E-07
1343	493777.3	3860303	1.18E-03	1.15E-03	1.13E-03	4.07E-07	1.23E-06	7.12E-07	6.95E-07	6.30E-07	2.87E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.36E-08	1.50E-07	2.31E-08	2.20E-08	3.49E-07	3.71E-07	1.36E-07	1.85E-07	6.93E-08	3.71E-07	1.36E-07
1344	493827.3	3860303	1.16E-03	1.13E-03	1.11E-03	4.00E-07	1.21E-06	6.99E-07	6.82E-07	6.18E-07	2.82E-07	2.78E-07	0.00E+00	0.00E+00	1.29E-07	2.32E-08	1.47E-07	2.27E-08	2.16E-08	3.43E-07	3.65E-07	1.34E-07	1.82E-07	6.80E-08	3.65E-07	1.34E-07
1345	493877.3	3860303	1.14E-03	1.11E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	6.72E-07	6.09E-07	2.78E-07	2.74E-07	0.00E+00	0.00E+00	1.27E-07	2.28E-08	1.45E-07	2.23E-08	2.12E-08	3.38E-07	3.59E-07	1.32E-07	1.79E-07	6.70E-08	3.59E-07	1.32E-07
1346	493927.3	3860303	1.12E-03	1.10E-03	1.08E-03	3.89E-07	1.18E-06	6.80E-07	6.64E-07	6.02E-07	2.75E-07	2.71E-07	0.00E+00	0.00E+00	1.25E-07	2.25E-08	1.43E-07	2.20E-08	2.10E-08	3.34E-07	3.55E-07	1.30E-07	1.77E-07	6.62E-08	3.55E-07	1.30E-07
1347	493977.3	3860303	1.09E-03	1.07E-03	1.05E-03	3.79E-07	1.14E-06	6.62E-07	6.46E-07	5.86E-07	2.67E-07	2.64E-07	0.00E+00	0.00E+00	1.22E-07	2.19E-08	1.39E-07	2.15E-08	2.04E-08	3.25E-07	3.45E-07	1.27E-07	1.72E-07	6.44E-08	3.45E-07	1.27E-07
1348	494027.3	3860303	1.07E-03	1.05E-03	1.03E-03	3.72E-07	1.12E-06	6.49E-07	6.34E-07	5.74E-07	2.62E-07	2.59E-07	0.00E+00	0.00E+00	1.19E-07	2.15E-08	1.36E-07	2.10E-08	2.00E-08	3.19E-07	3.39E-07	1.24E-07	1.69E-07	6.32E-08	3.39E-07	1.24E-07
1349	493677.3	3860353	1.26E-03	1.23E-03	1.21E-03	4.36E-07	1.32E-06	7.62E-07	7.43E-07	6.74E-07	3.08E-07	3.03E-07	0.00E+00	0.00E+00	1.40E-07	2.52E-08	1.60E-07	2.47E-08	2.35E-08	3.74E-07	3.97E-07	1.46E-07	1.98E-07	7.41E-08	3.97E-07	1.46E-07
1350	493727.3	3860353	1.24E-03	1.21E-03	1.19E-03	4.29E-07	1.30E-06	7.50E-07	7.32E-07	6.63E-07	3.03E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.48E-08	1.58E-07	2.43E-08	2.31E-08	3.68E-07	3.91E-07	1.44E-07	1.95E-07	7.30E-08	3.91E-07	1.44E-07
1351	493777.3	3860353	1.22E-03	1.19E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.21E-07	6.53E-07	2.98E-07	2.94E-07	0.00E+00	0.00E+00	1.36E-07	2.45E-08	1.55E-07	2.39E-08	2.28E-08	3.62E-07	3.85E-07	1.41E-07	1.92E-07	7.19E-08	3.85E-07	1.41E-07
1352	493827.3	3860353	1.20E-03	1.17E-03	1.16E-03	4.15E-07	1.25E-06	7.26E-07	7.09E-07	6.42E-07	2.93E-07	2.89E-07	0.00E+00	0.00E+00	1.34E-07	2.41E-08	1.53E-07	2.35E-08	2.24E-08	3.56E-07	3.79E-07	1.39E-07	1.89E-07	7.07E-08	3.79E-07	1.39E-07
1353	493877.3	3860353	1.18E-03	1.15E-03	1.13E-03	4.08E-07	1.23E-06	7.13E-07	6.95E-07	6.30E-07	2.88E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.36E-08	1.50E-07	2.31E-08	2.20E-08	3.50E-07	3.72E-07	1.36E-07	1.86E-07	6.93E-08	3.72E-07	1.36E-07
1354	493927.3	3860353	1.15E-03	1.12E-03	1.11E-03	3.99E-07	1.20E-06	6.97E-07	6.80E-07	6.17E-07	2.81E-07	2.78E-07	0.00E+00	0.00E+00	1.28E-07	2.31E-08	1.47E-07	2.26E-08	2.15E-08	3.42E-07	3.64E-07	1.33E-07	1.81E-07	6.78E-08	3.64E-07	1.33E-07
1355	493977.3	3860353	1.12E-03	1.10E-03	1.08E-03	3.89E-07	1.18E-06	6.81E-07	6.64E-07	6.02E-07	2.75E-07	2.71E-07	0.00E+00	0.00E+00	1.25E-07	2.25E-08	1.43E-07	2.21E-08	2.10E-08	3.34E-07	3.55E-07	1.30E-07	1.77E-07	6.62E-08	3.55E-07	1.30E-07
1356	494027.3	3860353	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.54E-07	5.93E-07	2.71E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.22E-08	1.41E-07	2.17E-08	2.07E-08	3.29E-07	3.50E-07	1.28E-07	1.75E-07	6.52E-08	3.50E-07	1.28E-07
1357	493677.3	3860403	1.31E-03	1.28E-03	1.26E-03	4.53E-07	1.37E-06	7.91E-07	7.72E-07	7.00E-07	3.19E-07	3.15E-07	0.00E+00	0.00E+00	1.46E-07	2.62E-08	1.66E-07	2.56E-08	2.44E-08	3.88E-07	4.13E-07	1.51E-07	2.06E-07	7.70E-08	4.13E-07	1.51E-07
1358	493727.3	3860403	1.29E-03	1.26E-03	1.24E-03	4.45E-07	1.35E-06	7.79E-07	7.60E-07	6.89E-07	3.14E-07	3.10E-07	0.00E+00	0.00E+00	1.43E-07	2.58E-08	1.64E-07	2.52E-08	2.40E-08	3.82E-07	4.06E-07	1.49E-07	2.03E-07	7.58E-08	4.06E-07	1.49E-07
1359	493777.3	3860403	1.25E-03	1.22E-03	1.21E-03	4.34E-07	1.31E-06	7.59E-07	7.40E-07	6.71E-07	3.06E-07	3.02E-07	0.00E+00	0.00E+00	1.40E-07	2.51E-08	1.59E-07	2.46E-08	2.34E-08	3.72E-07	3.96E-07	1.45E-07	1.98E-07	7.38E-08	3.96E-07	1.45E-07
1360	493827.3	3860403	1.24E-03	1.21E-03	1.19E-03	4.29E-07	1.29E-06	7.50E-07	7.31E-07	6.63E-07	3.03E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.48E-08	1.58E-07	2.43E-08	2.31E-08	3.68E-07	3.91E-07	1.43E-07	1.95E-07	7.29E-08	3.91E-07	1.43E-07
1361	493877.3	3860403	1.22E-03	1.19E-03	1.17E-03	4.22E-07	1.27E-06	7.38E-07	7.20E-07	6.53E-07	2.98E-07	2.94E-07	0.00E+00	0.00E+00	1.36E-07	2.44E-08	1.55E-07	2.39E-08	2.28E-08	3.62E-07	3.85E-07	1.41E-07	1.92E-07	7.18E-08	3.85E-07	1.41E-07
1362	493927.3	3860403	1.19E-03	1.16E-03	1.14E-03	4.12E-07	1.24E-06	7.19E-07	7.02E-07	6.36E-07	2.90E-07	2.87E-07	0.00E+00	0.00E+00	1.32E-07	2.38E-08	1.51E-07	2.33E-08	2.22E-08	3.53E-07	3.75E-07	1.38E-07	1.87E-07	7.00E-08	3.75E-07	1.38E-07
1363	493977.3	3860403	1.16E-03	1.13E-03	1.12E-03	4.01E-07	1.21E-06	7.01E-07	6.84E-07	6.20E-07	2.83E-07	2.79E-07	0.00E+00	0.00E+00	1.29E-07	2.32E-08	1.47E-07	2.27E-08	2.16E-08	3.44E-07	3.66E-07	1.34E-07	1.83E-07	6.82E-08	3.66E-07	1.34E-07
1364	494027.3	3860403	1.14E-03	1.12E-03	1.10E-03	3.96E-07	1.20E-06	6.92E-07	6.76E-07	6.12E-07	2.79E-07	2.76E-07	0.00E+00	0.00E+00	1.27E-07	2.29E-08	1.46E-07	2.24E-08	2.14E-08	3.40E-07	3.61E-07	1.32E-07	1.80E-07	6.74E-08	3.61E-07	1.32E-07
1365	493677.3	3860453	1.35E-03	1.32E-03	1.30E-03	4.67E-07	1.41E-06	8.17E-07	7.97E-07	7.23E-07	3.30E-07	3.25E-07	0.00E+00	0.00E+00	1.50E-07	2.71E-08	1.72E-07	2.65E-08	2.52E-08	4.01E-07	4.26E-07	1.56E-07	2.13E-07	7.95E-08	4.26E-07	1.56E-07
1366	493727.3	3860453	1.34E-03	1.30E-03	1.29E-03	4.63E-07	1.40E-06	8.09E-07	7.90E-07	7.16E-07	3.27E-07	3.22E-07	0.00E+00	0.00E+00	1.49E-07	2.68E-08	1.70E-07	2.62E-08	2.50E-08	3.97E-07	4.22E-07	1.55E-07	2.11E-07	7.87E-08	4.22E-07	1.55E-07
1367	493777.3	3860453	1.31E-03	1.28E-03	1.27E-03	4.55E-07	1.37E-06	7.95E-07	7.76E-07	7.03E-07	3.21E-07	3.17E-07	0.00E+00	0.00E+00	1.46E-07	2.63E-08	1.67E-07	2.58E-08	2.45E-08	3.90E-07	4.15E-07	1.52E-07	2.07E-07	7.73E-08	4.15E-07	1.52E-07
1368	493827.3	3860453	1.28E-03	1.25E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.58E-07	6.87E-07	3.14E-07	3.09E-07	0.00E+00	0.00E+00	1.43E-07	2.57E-08	1.63E-07	2.52E-08	2.40E-08	3.81E-07	4.05E-07	1.49E-07	2.02E-07	7.56E-08	4.05E-07	1.49E-07
1369	493877.3	3860453	1.26E-03	1.23E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.42E-07	6.73E-07	3.07E-07	3.03E-07	0.00E+00	0.00E+00	1.40E-07	2.52E-08	1.60E-07	2.47E-08	2.35E-08	3.73E-07	3.97E-07	1.46E-07	1.98E-07	7.40E-08	3.97E-07	1.46E-07
1370	493927.3	3860453	1.22E-03	1.19E-03	1.18E-03	4.23E-07	1.28E-06	7.40E-07	7.22E-07	6.54E-07	2.99E-07	2.95E-07	0.00E+00	0.00E+00	1.36E-07	2.45E-08	1.55E-07	2.40E-08	2.28E-08	3.63E-07	3.86E-07	1.42E-07	1.93E-07	7.20E-08	3.86E-07	1.42E-07
1371	493977.3	3860453	1.20E-03	1.17E-03	1.16E-03	4.16E-07	1.26E-06	7.28E-07	7.10E-07	6.44E-07	2.94E-07	2.90E-07	0.00E+00	0.00E+00	1.34E-07	2.41E-08	1.53E-07	2.36E-08	2.25E-08	3.57E-07	3.80E-07	1.39E-07	1.90E-07	7.08E-08	3.80E-07	1.39E-07
1372	494027.3	3860453	1.18E-03	1.16E-03	1.14E-03	4.10E-07	1.24E-06	7.17E-07	7.00E-07	6.34E-07	2.89E-07	2.86E-07	0.00E+00	0.00E+00	1.32E-07	2.37E-08	1.51E-07	2.32E-08	2.21E-08	3.52E-07	3.74E-07	1.37E-07	1.87E-07	6.98E-08	3.74E-07	1.37E-07
1373	493677.3	3860503	1.40E-03	1.37E-03	1.35E-03	4.85E-07	1.46E-06	8.47E-07	8.27E-07	7.49E-07	3.42E-07	3.37E-07	0.00E+00	0.00E+00	1.56E-07	2.81E-08	1.78E-07	2.75E-08	2.61E-08	4.16E-07	4.42E-07	1.62E-07	2.21E-07	8.24E-08	4.42E-07	1.62E-07
1374	493727.3	3860503	1.38E-03	1.35E-03	1.33E-03	4.78E-07	1.44E-06	8.36E-07	8.16E-07	7.40E-07	3.38E-07	3.33E-07	0.00E+00	0.00E+00	1.54E-07	2.77E-08	1.76E-07	2.71E-08	2.58E-08	4.10E-07	4.36E-07	1.60E-07	2.18E-07	8.14E-08	4.36E-07	1.60E-07
1375	493777.3	3860503	1.36E-03	1.32E-03	1.31E-03	4.70E-07	1.42E-06	8.21E-07	8.02E-07	7.27E-07	3.32E-07	3.27E-07	0.00E+00	0.00E+00	1.51E-07	2.72E-08	1.73E-07	2.66E-08	2.53E-08	4.03E-07	4.28E-07	1.57E-07	2.14E-07	7.99E-08	4.28E-07	1.57E-07
1376	493827.3	3860503	1.33E-03	1.30E-03	1.28E-03	4.62E-07	1.39E-06	8.07E-07	7.87E-07	7.14E-07	3.26E-07	3.21E-07	0.00E+00	0.00E+00	1.48E-07	2.67E-08	1.70E-07	2.61E-08	2.49E-08	3.96E-07	4.21E-07	1.54E-07	2.10E-07	7.85E-08	4.21E-07	1.54E-07
1377	493877.3	3860503	1.30E-03	1.27E-03	1.25E-03	4.51E-07	1.36E-06	7.88E-07	7.69E-07	6.97E-07	3.18E-07	3.14E-07	0.00E+00	0.00E+00	1.45E-07	2.61E-08	1.66E-07	2.56E-08	2.43E-08	3.87E-07	4.11E-07	1.51E-07	2.05E-07	7.67E-08	4.11E-07	1.51E-07
1378	493927.3	3860503	1.27E-03	1.24E-03	1.22E-03	4.40E-07	1.33E-06	7.69E-07	7.50E-07	6.80E-07	3.10E-07	3.06E-07	0.00E+00	0.00E+00	1.41E-07	2.55E-08	1.62E-07	2.49E-08	2.37E-08	3.77E-07	4.01E-07	1.47E-07	2.00E-07	7.48E-08	4.01E-07	1.47E-07
1379	493977.3	3860503	1.25E-03	1.22E-03	1.21E-03	4.33E-07	1.31E-06	7.58E-07	7.39E-07	6.70E-07	3.06E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.51E-08	1.59E-07	2.46E-08	2.34E-08	3.72E-07	3.95E-07	1.45E-07	1.97E-07	7.37E-08	3.95E-07	1.45E-07

1380	494027.3	3860503	1.23E-03	1.20E-03	1.19E-03	4.26E-07	1.29E-06	7.45E-07	7.27E-07	6.59E-07	3.01E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.47E-08	1.57E-07	2.41E-08	2.30E-08	3.65E-07	3.89E-07	1.42E-07	1.94E-07	7.25E-08	3.89E-07	1.42E-07
1381	493627.3	3860553	1.48E-03	1.45E-03	1.43E-03	5.13E-07	1.55E-06	8.97E-07	8.75E-07	7.93E-07	3.62E-07	3.57E-07	0.00E+00	0.00E+00	1.65E-07	2.97E-08	1.89E-07	2.91E-08	2.77E-08	4.40E-07	4.68E-07	1.72E-07	2.34E-07	8.73E-08	4.68E-07	1.72E-07
1382	493677.3	3860553	1.46E-03	1.43E-03	1.41E-03	5.06E-07	1.53E-06	8.84E-07	8.63E-07	7.82E-07	3.57E-07	3.52E-07	0.00E+00	0.00E+00	1.63E-07	2.93E-08	1.86E-07	2.87E-08	2.73E-08	4.34E-07	4.61E-07	1.69E-07	2.30E-07	8.60E-08	4.61E-07	1.69E-07
1383	493727.3	3860553	1.44E-03	1.40E-03	1.39E-03	4.98E-07	1.50E-06	8.71E-07	8.50E-07	7.70E-07	3.51E-07	3.47E-07	0.00E+00	0.00E+00	1.60E-07	2.88E-08	1.83E-07	2.82E-08	2.68E-08	4.27E-07	4.54E-07	1.67E-07	2.27E-07	8.47E-08	4.54E-07	1.67E-07
1384	493777.3	3860553	1.41E-03	1.38E-03	1.36E-03	4.88E-07	1.47E-06	8.54E-07	8.33E-07	7.55E-07	3.44E-07	3.40E-07	0.00E+00	0.00E+00	1.57E-07	2.83E-08	1.79E-07	2.77E-08	2.63E-08	4.19E-07	4.45E-07	1.63E-07	2.22E-07	8.30E-08	4.45E-07	1.63E-07
1385	493827.3	3860553	1.38E-03	1.34E-03	1.33E-03	4.77E-07	1.44E-06	8.34E-07	8.14E-07	7.38E-07	3.37E-07	3.32E-07	0.00E+00	0.00E+00	1.53E-07	2.76E-08	1.75E-07	2.70E-08	2.57E-08	4.09E-07	4.35E-07	1.60E-07	2.17E-07	8.11E-08	4.35E-07	1.60E-07
1386	493877.3	3860553	1.36E-03	1.32E-03	1.31E-03	4.70E-07	1.42E-06	8.21E-07	8.01E-07	7.26E-07	3.31E-07	3.27E-07	0.00E+00	0.00E+00	1.51E-07	2.72E-08	1.73E-07	2.66E-08	2.53E-08	4.03E-07	4.28E-07	1.57E-07	2.14E-07	7.99E-08	4.28E-07	1.57E-07
1387	493927.3	3860553	1.33E-03	1.30E-03	1.28E-03	4.60E-07	1.39E-06	8.03E-07	7.84E-07	7.11E-07	3.24E-07	3.20E-07	0.00E+00	0.00E+00	1.48E-07	2.66E-08	1.69E-07	2.60E-08	2.48E-08	3.94E-07	4.19E-07	1.54E-07	2.09E-07	7.82E-08	4.19E-07	1.54E-07
1388	493977.3	3860553	1.30E-03	1.27E-03	1.25E-03	4.49E-07	1.36E-06	7.85E-07	7.66E-07	6.94E-07	3.17E-07	3.13E-07	0.00E+00	0.00E+00	1.44E-07	2.60E-08	1.65E-07	2.54E-08	2.42E-08	3.85E-07	4.09E-07	1.50E-07	2.04E-07	7.64E-08	4.09E-07	1.50E-07
1389	494027.3	3860553	1.28E-03	1.25E-03	1.23E-03	4.43E-07	1.34E-06	7.74E-07	7.55E-07	6.84E-07	3.12E-07	3.08E-07	0.00E+00	0.00E+00	1.42E-07	2.56E-08	1.63E-07	2.51E-08	2.39E-08	3.79E-07	4.04E-07	1.48E-07	2.01E-07	7.53E-08	4.04E-07	1.48E-07
1390	493627.3	3860603	1.54E-03	1.51E-03	1.49E-03	5.34E-07	1.61E-06	9.34E-07	9.11E-07	8.26E-07	3.77E-07	3.72E-07	0.00E+00	0.00E+00	1.72E-07	3.09E-08	1.96E-07	3.03E-08	2.88E-08	4.58E-07	4.87E-07	1.79E-07	2.43E-07	9.08E-08	4.87E-07	1.79E-07
1391	493727.3	3860603	1.50E-03	1.47E-03	1.45E-03	5.20E-07	1.57E-06	9.09E-07	8.87E-07	8.04E-07	3.67E-07	3.62E-07	0.00E+00	0.00E+00	1.67E-07	3.01E-08	1.91E-07	2.95E-08	2.80E-08	4.46E-07	4.74E-07	1.74E-07	2.37E-07	8.84E-08	4.74E-07	1.74E-07
1392	493777.3	3860603	1.46E-03	1.43E-03	1.41E-03	5.07E-07	1.53E-06	8.86E-07	8.65E-07	7.84E-07	3.58E-07	3.53E-07	0.00E+00	0.00E+00	1.63E-07	2.94E-08	1.86E-07	2.87E-08	2.73E-08	4.35E-07	4.62E-07	1.70E-07	2.31E-07	8.62E-08	4.62E-07	1.70E-07
1393	493827.3	3860603	1.44E-03	1.40E-03	1.38E-03	4.98E-07	1.50E-06	8.70E-07	8.49E-07	7.69E-07	3.51E-07	3.46E-07	0.00E+00	0.00E+00	1.60E-07	2.88E-08	1.83E-07	2.82E-08	2.68E-08	4.27E-07	4.54E-07	1.66E-07	2.26E-07	8.46E-08	4.54E-07	1.66E-07
1394	493877.3	3860603	1.40E-03	1.37E-03	1.35E-03	4.86E-07	1.47E-06	8.50E-07	8.29E-07	7.52E-07	3.43E-07	3.38E-07	0.00E+00	0.00E+00	1.56E-07	2.81E-08	1.79E-07	2.75E-08	2.62E-08	4.17E-07	4.43E-07	1.63E-07	2.21E-07	8.27E-08	4.43E-07	1.63E-07
1395	493927.3	3860603	1.38E-03	1.34E-03	1.33E-03	4.77E-07	1.44E-06	8.33E-07	8.13E-07	7.37E-07	3.36E-07	3.32E-07	0.00E+00	0.00E+00	1.53E-07	2.76E-08	1.75E-07	2.70E-08	2.57E-08	4.09E-07	4.34E-07	1.59E-07	2.17E-07	8.10E-08	4.34E-07	1.59E-07
1396	493977.3	3860603	1.35E-03	1.32E-03	1.30E-03	4.67E-07	1.41E-06	8.16E-07	7.96E-07	7.22E-07	3.29E-07	3.25E-07	0.00E+00	0.00E+00	1.50E-07	2.70E-08	1.72E-07	2.65E-08	2.52E-08	4.00E-07	4.26E-07	1.56E-07	2.12E-07	7.94E-08	4.26E-07	1.56E-07
1397	494027.3	3860603	1.33E-03	1.30E-03	1.28E-03	4.61E-07	1.39E-06	8.06E-07	7.86E-07	7.13E-07	3.25E-07	3.21E-07	0.00E+00	0.00E+00	1.48E-07	2.67E-08	1.69E-07	2.61E-08	2.48E-08	3.95E-07	4.20E-07	1.54E-07	2.10E-07	7.84E-08	4.20E-07	1.54E-07
1398	493627.3	3860653	1.61E-03	1.57E-03	1.55E-03	5.58E-07	1.69E-06	9.76E-07	9.52E-07	8.63E-07	3.94E-07	3.89E-07	0.00E+00	0.00E+00	1.80E-07	3.23E-08	2.05E-07	3.16E-08	3.01E-08	4.79E-07	5.09E-07	1.87E-07	2.54E-07	9.50E-08	5.09E-07	1.87E-07
1399	493727.3	3860653	1.57E-03	1.53E-03	1.51E-03	5.42E-07	1.64E-06	9.47E-07	9.24E-07	8.38E-07	3.82E-07	3.77E-07	0.00E+00	0.00E+00	1.74E-07	3.14E-08	1.99E-07	3.07E-08	2.92E-08	4.65E-07	4.94E-07	1.81E-07	2.47E-07	9.22E-08	4.94E-07	1.81E-07
1400	493777.3	3860653	1.53E-03	1.49E-03	1.47E-03	5.30E-07	1.60E-06	9.26E-07	9.03E-07	8.19E-07	3.74E-07	3.69E-07	0.00E+00	0.00E+00	1.70E-07	3.07E-08	1.95E-07	3.00E-08	2.86E-08	4.54E-07	4.83E-07	1.77E-07	2.41E-07	9.01E-08	4.83E-07	1.77E-07
1401	493827.3	3860653	1.50E-03	1.46E-03	1.44E-03	5.18E-07	1.56E-06	9.05E-07	8.83E-07	8.01E-07	3.65E-07	3.61E-07	0.00E+00	0.00E+00	1.67E-07	3.00E-08	1.90E-07	2.93E-08	2.79E-08	4.44E-07	4.72E-07	1.73E-07	2.36E-07	8.81E-08	4.72E-07	1.73E-07
1402	493877.3	3860653	1.46E-03	1.43E-03	1.41E-03	5.06E-07	1.53E-06	8.84E-07	8.62E-07	7.82E-07	3.57E-07	3.52E-07	0.00E+00	0.00E+00	1.63E-07	2.93E-08	1.86E-07	2.86E-08	2.72E-08	4.33E-07	4.61E-07	1.69E-07	2.30E-07	8.60E-08	4.61E-07	1.69E-07
1403	493927.3	3860653	1.43E-03	1.40E-03	1.38E-03	4.96E-07	1.50E-06	8.67E-07	8.46E-07	7.67E-07	3.50E-07	3.45E-07	0.00E+00	0.00E+00	1.59E-07	2.87E-08	1.82E-07	2.81E-08	2.67E-08	4.25E-07	4.52E-07	1.66E-07	2.26E-07	8.43E-08	4.52E-07	1.66E-07
1404	493977.3	3860653	1.41E-03	1.37E-03	1.36E-03	4.87E-07	1.47E-06	8.52E-07	8.31E-07	7.53E-07	3.44E-07	3.39E-07	0.00E+00	0.00E+00	1.57E-07	2.82E-08	1.79E-07	2.76E-08	2.63E-08	4.18E-07	4.44E-07	1.63E-07	2.22E-07	8.29E-08	4.44E-07	1.63E-07
1405	494027.3	3860653	1.38E-03	1.34E-03	1.33E-03	4.77E-07	1.44E-06	8.33E-07	8.13E-07	7.37E-07	3.36E-07	3.32E-07	0.00E+00	0.00E+00	1.53E-07	2.76E-08	1.75E-07	2.70E-08	2.57E-08	4.09E-07	4.35E-07	1.59E-07	2.17E-07	8.11E-08	4.35E-07	1.59E-07
1406	494311.1	3858402	3.83E-04	3.74E-04	3.69E-04	1.33E-07	4.00E-07	2.32E-07	2.26E-07	2.05E-07	9.35E-08	9.23E-08	0.00E+00	0.00E+00	4.26E-08	7.67E-09	4.87E-08	7.51E-09	7.15E-09	1.14E-07	1.21E-07	4.43E-08	6.03E-08	2.25E-08	1.21E-07	4.43E-08
1407	494361.1	3858402	3.80E-04	3.70E-04	3.66E-04	1.31E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.27E-08	9.15E-08	0.00E+00	0.00E+00	4.23E-08	7.61E-09	4.83E-08	7.44E-09	7.08E-09	1.13E-07	1.20E-07	4.39E-08	5.98E-08	2.23E-08	1.20E-07	4.39E-08
1408	494411.1	3858402	3.77E-04	3.68E-04	3.63E-04	1.30E-07	3.94E-07	2.28E-07	2.22E-07	2.02E-07	9.20E-08	9.08E-08	0.00E+00	0.00E+00	4.19E-08	7.55E-09	4.79E-08	7.39E-09	7.03E-09	1.12E-07	1.19E-07	4.36E-08	5.93E-08	2.22E-08	1.19E-07	4.36E-08
1409	494461.1	3858402	3.75E-04	3.66E-04	3.61E-04	1.30E-07	3.92E-07	2.27E-07	2.21E-07	2.01E-07	9.16E-08	9.04E-08	0.00E+00	0.00E+00	4.17E-08	7.52E-09	4.77E-08	7.36E-09	7.00E-09	1.11E-07	1.18E-07	4.34E-08	5.91E-08	2.21E-08	1.18E-07	4.34E-08
1410	494511.1	3858402	3.72E-04	3.63E-04	3.58E-04	1.29E-07	3.89E-07	2.25E-07	2.20E-07	1.99E-07	9.09E-08	8.97E-08	0.00E+00	0.00E+00	4.14E-08	7.46E-09	4.73E-08	7.30E-09	6.94E-09	1.10E-07	1.17E-07	4.31E-08	5.86E-08	2.19E-08	1.17E-07	4.31E-08
1411	494561.1	3858402	3.70E-04	3.62E-04	3.57E-04	1.28E-07	3.87E-07	2.24E-07	2.19E-07	1.98E-07	9.05E-08	8.93E-08	0.00E+00	0.00E+00	4.12E-08	7.42E-09	4.71E-08	7.27E-09	6.91E-09	1.10E-07	1.17E-07	4.29E-08	5.84E-08	2.18E-08	1.17E-07	4.29E-08
1412	494611.1	3858402	3.68E-04	3.59E-04	3.54E-04	1.27E-07	3.84E-07	2.22E-07	2.17E-07	1.97E-07	8.98E-08	8.86E-08	0.00E+00	0.00E+00	4.09E-08	7.37E-09	4.67E-08	7.21E-09	6.86E-09	1.09E-07	1.16E-07	4.26E-08	5.79E-08	2.16E-08	1.16E-07	4.26E-08
1413	494661.1	3858402	3.65E-04	3.56E-04	3.52E-04	1.26E-07	3.82E-07	2.21E-07	2.16E-07	1.95E-07	8.92E-08	8.80E-08	0.00E+00	0.00E+00	4.06E-08	7.32E-09	4.64E-08	7.16E-09	6.81E-09	1.08E-07	1.15E-07	4.23E-08	5.75E-08	2.15E-08	1.15E-07	4.23E-08
1414	494711.1	3858402	3.62E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.14E-07	1.94E-07	8.84E-08	8.72E-08	0.00E+00	0.00E+00	4.03E-08	7.25E-09	4.60E-08	7.09E-09	6.75E-09	1.07E-07	1.14E-07	4.19E-08	5.70E-08	2.13E-08	1.14E-07	4.19E-08
1415	494761.1	3858402	3.60E-04	3.51E-04	3.47E-04	1.25E-07	3.76E-07	2.18E-07	2.13E-07	1.93E-07	8.79E-08	8.68E-08	0.00E+00	0.00E+00	4.01E-08	7.22E-09	4.58E-08	7.06E-09	6.72E-09	1.07E-07	1.14E-07	4.17E-08	5.67E-08	2.12E-08	1.14E-07	4.17E-08
1416	494811.1	3858402	3.57E-04	3.49E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.72E-08	8.61E-08	0.00E+00	0.00E+00	3.98E-08	7.16E-09	4.54E-08	7.01E-09	6.67E-09	1.06E-07	1.13E-07	4.14E-08	5.63E-08	2.10E-08	1.13E-07	4.14E-08
1417	494861.1	3858402	3.55E-04	3.47E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.10E-07	1.90E-07	8.67E-08	8.56E-08	0.00E+00	0.00E+00	3.95E-08	7.12E-09	4.52E-08	6.96E-09	6.63E-09	1.05E-07	1.12E-07	4.11E-08	5.59E-08	2.09E-08	1.12E-07	4.11E-08
1418	494911.1	3858402	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	0.00E+00	0.00E+00	3.93E-08	7.07E-09	4.48E-08	6.92E-09	6.58E-09	1.05E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
1419	494961.1	3858402	3.50E-04	3.42E-04	3.37E-04	1.21E-07	3.66E-07	2.12E-07	2.07E-07	1.87E-07	8.55E-08	8.44E-08	0.00E+00	0.00E+00	3.90E-08	7.02E-09	4.45E-08	6.87E-09	6.53E-09	1.04E-07	1.11E-07	4.05E-08	5.52E-08	2.06E-08	1.11E-07	4.05E-08
1420	495011.1	3858402	3.47E-04	3.39E-04	3.34E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.48E-08	8.37E-08	0.00E+00	0.00E+00	3.87E-08	6.96E-09	4.42E-08	6.81E-09	6.48E-09	1.03E-07	1.10E-07	4.02E-08	5.47E-08	2.04E-08	1.10E-07	4.02E-08
1421	495061.1	3858402	3.45E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.09E-07	2.04E-07	1.85E-07	8.42E-08	8.31E-08	0.00E+00	0.00E+00	3.84E-08	6.91E-09	4.38E-08	6.76E-09	6.43E-09	1.02E-07	1.09E-07	3.99E-08	5.43E-08	2.03E-08	1.09E-07	3.99E-08
1422	495111.1	3858402	3.41E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.32E-08	8.21E-08	0.00E+00	0.00E+00	3.79E-08	6.83E-09	4.33E-08	6.68E-09	6.36E-09	1.01E-07	1.08E-07	3.94E-08	5.37E-08	2.01E-08	1.08E-07	3.94E-08
1423	495161.1	3858402	3.39E-04	3.31E-04	3.27E-04	1.17E-07	3.55E-07	2.05E-07	2.00E-07	1.82E-07	8.29E-08	8.18E-08	0.00E+00	0.00E+00	3.78E-08	6.80E-09	4.32E-08	6.66E-09	6.33E-09	1.01E-07	1.07E-07	3.93E-08	5.35E-08	2.00E-08	1.07E-07	3.93E-08
1424	495211.1	3858402	3.36E-04	3.28E-04	3.23E-04	1.16E-07	3.51E-07	2.03E-07	1.98E-07	1.80E-07	8.20E-08	8.09E-08	0.00E+00	0.00E+00	3.74E-08	6.73E-09	4.27E-08	6.58E-09	6.26E-09	9.96E-08	1.06E-07	3.89E-08	5.29E-08	1.98E-08	1.06E-07	3.89E-08
1425	495261.1	3858402	3.34E-04	3.25E-04	3.21E-04	1.15E-07	3.49E-07	2.02E-07	1.97E-07	1.79E-07	8.15E-08	8.04E-08	0.00E+00	0.00E+00	3.71E-08	6.68E-09	4.24E-08	6.54E-09	6.22E-09	9.90E-08	1.05E-07	3.86E-08	5.25E-08	1.96E-08	1.05E-07	3.86E-08
1426	495311.1	3858402	3.31E-04	3.23E-04	3.19E-04	1.15E-07	3.46E-07	2.01E-07	1.96E-07	1.77E-07	8.10E-08	7.99E-08	0.00E+00	0.00E+00	3.69E-08	6.64E-09	4.22E-08	6.50E-09	6.19E-09	9.84E-08	1.05E-07	3.84E-08	5.22E-08	1.95E-08	1.05E-07	3.84E-08
1427	495361.1	3858402	3.30E-04	3.22E-04	3.18E-04	1.14E-07	3.45E-07	2.00E-07	1.95E-07	1.77E-07	8.06E-08	7.95E-08	0.00E+00	0.00E+00	3.67E-08	6.61E-09	4.19E-08	6.47E-09	6.15E-09	9.79E-08	1.04E-07	3.82E-08	5.20E-08	1.94E-08	1.04E-07	3.82E-08
1428	495411.1	3858402	3.29E-04	3.21E-04	3.16E-04	1.14E-07	3.43E-07	1.99E-07	1.94E-07	1.76E-07	8.02E-08	7.92E-08	0.00E+00	0.00E+00	3.66E-08	6.59E-09	4.18E-08	6.44E-09	6.13E-09	9.75E-08	1.04E-07	3.80E-08	5.18E-08	1.93E-08	1.04E-07	3.80E-08
1429	495461.1	3858402	3.28E-04	3.20E-04	3.16E-04	1.13E-07	3.43E-07	1.98E-07	1.94E-07	1.75E-07	8.00E-08	7.90E-08	0.00E+00	0.00E+00	3.65E-08	6.57E-09	4.17E-08	6.43E-09	6.12E-09	9.73E-08	1.03E-07	3.79E-08	5.16E-08	1.93E-08	1.03E-07	3.79E-08
1430	495511.1	3858402	3.27E-04	3.19E-04	3.14E-04	1.13E-07	3.41E-07	1.98E-07	1.93E-07	1.75E-07	7.97E-08	7.87E-08	0.00E+00	0.00E+00	3.63E-08	6.54E-09	4.15E-08	6.40E-09	6.09E-09	9.69E-08	1.03E-07	3.78E-08	5.14E-08	1.92E-08	1.03E-07	3.78E-08
1431	495561.1	3858402	3.24E-04	3.17E-04	3.12E-04	1.12E-07	3.39E-07	1.96E-07	1.92E-07	1.74E-07	7.92E-08	7.82E-08	0.00E+00	0.00E+00	3.61E-08	6.50E-09	4.13E-08	6.36E-09	6.05E-09	9.63E-08	1.02E-07	3.76E-08	5.11E-08	1.91E-08	1.02E-07	3.76E-08
1432	495611.1	3858402	3.23E-04	3.15E-04	3.11E-04	1.12E-07	3.38E-07	1.96E-07	1.91E-07	1.73E-07	7.89E-08	7.79E-08	0.00E+00	0.00E+00	3.60E-08	6.48E-09	4.11E-08	6.34E-09	6.03E-09	9.59E-08	1.02E-07	3.74E-08	5.09E-08	1.90E-08	1.02E-07	3.74E-08
1433	495661.1	3858402	3.24E-04	3.16E-04	3.12E-04	1.12E-07	3.39E-07	1.96E-07	1.91E-07	1.73E-07	7.91E-08	7.81E-08	0.00E+00	0.00E+00	3.61E-08	6.49E-09	4.12E-08	6.35E-09	6.05E-09	9.62E-08	1.02E-07	3.75E-08	5.10E-08	1.91E-08	1.02E-07	3.75E-08
1434	494311.1	3858452	3.92E-04	3.83E-04	3.78E-04	1.36E-07	4.10E-07	2.37E-07	2.32E-07	2.10E-07	9.59E-08	9.46E-08	0.00E+00	0.00E+00	4.37E-08	7.87E-09	4.99E-08	7.70E-09	7.32E-09	1.16E-07	1.24E-07	4.54E-08	6.18E-08	2.31E-08	1.24E-07	4.54E-08
1435	494361.1	3858452	3.89E-04	3.80E-04	3.75E-04	1.35E-07	4.07E-07	2.35E-07	2.30E-07	2.08E-07	9.50E-08	9.38E-08	0.00E+00	0.00E+00	4.33E-08	7.80E-09	4.95E-08	7.63E-09	7.26E-09	1.15E-07	1.23E-07	4.50E-08	6.13E-08	2.29E-08	1.23E-07	4.50E-08
1436	494411.1	3858452	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.04E-07	2.34E-07	2.28E-07	2.07E-07	9.43E-08	9.31E-08	0.00E+00	0.00E+00	4.30E-08	7.74E-09	4.91E-08	7.57E-09	7.21E-09	1.15E-07	1.22E-07	4.47E-08	6.08E-08	2.27E-08	1.22E-07	4.47E-08
1437	494461.1	3858452	3.83E-04	3.74E-04	3.69E-04	1.33E-07	4.01E-07	2.32E-07	2.26E-07	2.05E-07	9.36E-08	9.24E-08	0.00E+00	0.00E+00	4.27E-08	7.68E-09	4.88E-08	7.52E-09	7.15E-09	1.14E-07	1.21E-07	4.44E-08	6.04E-08	2.26E-08	1.21E-07	4.44E-08
1438	494511.1	3858452	3.82E-04	3.72E-04	3.68E-04	1.32E-07	3.99E-07	2.31E-07	2.25E-07	2.04E-07	9.32E-08	9.20E-08	0.00E+00	0.00E+00	4.25E-08	7.65E-09	4.85E-08	7.49E-09	7.12E-09	1.13E-07	1.20E-07	4.42E-08	6.01E-08	2.25E-08	1.20E-07	4.42E-08
1439	494561.1	3858452	3.78E-04	3.69E-04	3.64E-04	1.31E-07	3.95E-07	2.29E-07	2.23E-07	2.03E-07	9.24E-08	9.12E-08	0.00E+00	0.00E+00	4.21E-08	7.58E-09	4.81E-08	7.42E-09	7.06E-09	1.12E-07	1.19E-07	4.38E-08	5.96E-08	2.23E-08	1.19E-07	4.38E-08
1440	494611.1	3858452	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.27E-07	2.22E-07	2.01E-07	9.18E-08	9.06E-08	0.00E+00	0.00E+00	4.18E-08	7.53E-09	4.78E-08	7.37E-09	7.01E-09	1.12E-07	1.19E-07	4.35E-08	5.92E-08	2.21E-08	1.19E-07	4.35E-08
1441	494661.1	3858452	3.73E-04	3.64E-04	3.60E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.12E-08	9.00E-08	0.00E+00	0.00E+00	4.16E-08	7.48E-09	4.75E-08	7.32E-09	6.97E-09	1.11E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
1442	494711.1	3858452	3.70E-04	3.62E-04	3.57E-04	1.28E-07	3.87E-07	2.24E-07	2.19E-07	1.98E-07	9.05E-08	8.93E-08	0.00E+00	0.00E+00	4.12E-08	7.42E-09	4.71E-08	7.27E-09	6.91E-09	1.10E-07	1.17E-07	4.29E-08	5.84E-08	2.18E-08	1.17E-07	4.29E-08
1443	494761.1	3858452	3.68E-04	3.59E-04	3.54E-04	1.27E-07	3.84E-07	2.22E-07	2.17E-07	1.97E-07	8.98E-08	8.86E-08	0.00E+00	0.00E+00	4.09E-08	7.37E-09	4.67E-08	7.21E-09	6.86E-09	1.09E-07	1.16E-07	4.26E-08	5.79E-08	2.16E-08	1.16E-07	4.26E-08
1444	494811.1	3858452	3.65E-04	3.56E-04	3.52E-04	1.26E-07	3.82E-07	2.21E-07	2.16E-07	1.95E-07	8.92E-08	8.80E-08	0.00E+00	0.00E+00	4.06E-08	7.32E-09	4.64E-08	7.16E-09	6.81E-09	1.08E-07	1.15E-07	4.23E-08	5.75E-08	2.15E-08	1.15E-07	4.23E-08
1445	494861.1	3858452	3.62E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.14E-07	1.94E-07	8.84E-08	8.72E-08	0.00E+00	0.00E+00	4.03E-08	7.25E-09	4.60E-08	7.09E-09	6.75E-09	1.07E-07	1.14E-07	4.19E-08	5.70E-08	2.13E-08	1.14E-07	4.19E-08
1446	494911.1	3858452	3.58E-04	3.50E-04	3.45E-04	1.24E-07	3.75E-07	2.17E-07	2.12E-07	1.92E-07	8.75E-08	8.64E-08	0.00E+00	0.00E+00	3.99E-08	7.18E-09	4.56E-08	7.03E-09	6.69E-09	1.06E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
1447	494961.1	3858452	3.56E-04	3.47E-04	3.43E-04	1.23E-07	3.72E-07	2.15E-07	2.10E-07	1.91E-07	8.69E-08	8.58E-08	0.00E+00	0.00E+00	3.96E-08	7.13E-09	4.53E-08	6.98E-09	6.64E-09	1.06E-07	1.12E-07	4.12E-08	5.61E-08	2.10E-08	1.12E-07	4.12E-08
1448	495011.1	3858452	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	0.00E+00	0.00E+00	3.93E-08	7.07E-09	4.48E-08	6.92E-09	6.58E-09	1.05E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
1449	495061.1	3858452	3.51E-04	3.42E-04	3.38E-04	1.21E-07	3.67E-07	2.12E-07	2.07E-07	1.88E-07	8.57E-08	8.46E-08	0.00E+00	0.00E+00	3.91E-08	7.03E-09	4.46E-08	6.88E-09	6.55E-09	1.04E-07	1.11E-07	4.06E-08	5.53E-08	2.07E-08	1.11E-07	4.06E-08
1450	495111.1	3858452	3.48E-04	3.39E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.49E-08	8.38E-08	0.00E+00	0.00E+00	3.87E-08	6.97E-09	4.42E-08	6.82E-09	6.49E-09	1.03E-07	1.10E-07	4.02E-08	5.48E-08	2.05E-08	1.10E-07	4.02E-08
1451	495161.1	3858452	3.44E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.08E-07	2.03E-07	1.84E-07	8.41E-08	8.30E-08	0.00E+00	0.00E+00	3.83E-08	6.90E-09	4.38E-08	6.75E-09	6.43E-09	1.02E-07	1.09E-07	3.99E-08	5.42E-08	2.03E-08	1.09E-07	3.99E-08
1452	495211.1	3858452	3.41E-04	3.33E-04	3.29E-04	1.18E-07	3.57E-07	2.07E-07	2.02E-07	1.83E-07	8.34E-08	8.23E-08	0.00E+00	0.00E+00	3.80E-08	6.84E-09	4.34E-08	6.70E-09	6.37E-09	1.01E-07	1.08E-07	3.95E-08	5.38E-08	2.01E-08	1.08E-07	3.95E-08
1453	495261.1	3858452	3.39E-04	3.31E-04	3.26E-04	1.17E-07	3.54E-07	2.05E-07	2.00E-07	1.81E-07	8.28E-08	8.17E-08	0.00E+00	0.00E+00	3.77E-08	6.79E-09	4.31E-08	6.65E-09	6.32E-09	1.01E-07	1.07E-07	3.92E-08	5.34E-08	2.00E-08	1.07E-07	3.92E-08
1454	495311.1	3858452	3.37E-04	3.29E-04	3.24E-04	1.17E-07	3.52E-07	2.04E-07	1.99E-07	1.80E-07	8.23E-08	8.12E-08	0.00E+00	0.00E+00	3.75E-08	6.75E-09	4.28E-08	6.61E-09	6.29E-09	1.00E-07	1.06E-07	3.90E-08	5.31E-08	1.98E-08	1.06E-07	3.90E-08
1455	495361.1	3858452	3.35E-04	3.27E-04	3.23E-04	1.16E-07	3.50E-07	2.03E-07	1.98E-07	1.79E-07	8.19E-08	8.08E-08	0.00E+00	0.00E+00	3.73E-08	6.72E-09	4.26E-08	6.57E-09	6.26E-09	9.95E-08	1.06E-07	3.88E-08	5.28E-08	1.97E-08	1.06E-07	3.88E-08
1456	495411.1	3858452	3.34E-04	3.26E-04	3.22E-04	1.16E-07	3.50E-07	2.02E-07	1.97E-07	1.79E-07	8.17E-08	8.06E-08	0.00E+00	0.00E+00	3.72E-08	6.70E-09	4.25E-08	6.56E-09	6.24E-09	9.92E-08	1.06E-07	3.87E-08	5.27E-08	1.97E-08	1.06E-07	3.87E-08

1457	495461.1	3858452	3.34E-04	3.25E-04	3.21E-04	1.15E-07	3.49E-07	2.02E-07	1.97E-07	1.79E-07	8.15E-08	8.04E-08	0.00E+00	0.00E+00	3.71E-08	6.68E-09	4.24E-08	6.54E-09	6.22E-09	9.90E-08	1.05E-07	3.86E-08	5.25E-08	1.96E-08	1.05E-07	3.86E-08
1458	495511.1	3858452	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.11E-08	8.00E-08	0.00E+00	0.00E+00	3.69E-08	6.65E-09	4.22E-08	6.51E-09	6.19E-09	9.85E-08	1.05E-07	3.84E-08	5.23E-08	1.95E-08	1.05E-07	3.84E-08
1459	495561.1	3858452	3.31E-04	3.23E-04	3.19E-04	1.15E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.09E-08	7.98E-08	0.00E+00	0.00E+00	3.69E-08	6.64E-09	4.21E-08	6.49E-09	6.18E-09	9.83E-08	1.04E-07	3.83E-08	5.22E-08	1.95E-08	1.04E-07	3.83E-08
1460	495611.1	3858452	3.29E-04	3.21E-04	3.17E-04	1.14E-07	3.44E-07	1.99E-07	1.94E-07	1.76E-07	8.04E-08	7.94E-08	0.00E+00	0.00E+00	3.67E-08	6.60E-09	4.19E-08	6.46E-09	6.15E-09	9.78E-08	1.04E-07	3.81E-08	5.19E-08	1.94E-08	1.04E-07	3.81E-08
1461	495661.1	3858452	3.29E-04	3.21E-04	3.16E-04	1.14E-07	3.43E-07	1.99E-07	1.94E-07	1.76E-07	8.02E-08	7.92E-08	0.00E+00	0.00E+00	3.66E-08	6.59E-09	4.18E-08	6.44E-09	6.13E-09	9.75E-08	1.04E-07	3.80E-08	5.18E-08	1.93E-08	1.04E-07	3.80E-08
1462	494311.1	3858502	4.00E-04	3.90E-04	3.85E-04	1.38E-07	4.18E-07	2.42E-07	2.36E-07	2.14E-07	9.76E-08	9.63E-08	0.00E+00	0.00E+00	4.45E-08	8.01E-09	5.08E-08	7.84E-09	7.45E-09	1.19E-07	1.26E-07	4.62E-08	6.29E-08	2.35E-08	1.26E-07	4.62E-08
1463	494361.1	3858502	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.13E-07	9.70E-08	9.57E-08	0.00E+00	0.00E+00	4.42E-08	7.96E-09	5.05E-08	7.79E-09	7.41E-09	1.18E-07	1.25E-07	4.60E-08	6.25E-08	2.34E-08	1.25E-07	4.60E-08
1464	494411.1	3858502	3.94E-04	3.84E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.32E-07	2.11E-07	9.62E-08	9.49E-08	0.00E+00	0.00E+00	4.38E-08	7.89E-09	5.01E-08	7.72E-09	7.35E-09	1.17E-07	1.24E-07	4.56E-08	6.20E-08	2.32E-08	1.24E-07	4.56E-08
1465	494461.1	3858502	3.92E-04	3.82E-04	3.77E-04	1.36E-07	4.09E-07	2.37E-07	2.31E-07	2.10E-07	9.56E-08	9.44E-08	0.00E+00	0.00E+00	4.36E-08	7.85E-09	4.98E-08	7.68E-09	7.31E-09	1.16E-07	1.24E-07	4.53E-08	6.17E-08	2.31E-08	1.24E-07	4.53E-08
1466	494511.1	3858502	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.05E-07	2.35E-07	2.29E-07	2.08E-07	9.47E-08	9.35E-08	0.00E+00	0.00E+00	4.32E-08	7.77E-09	4.93E-08	7.61E-09	7.24E-09	1.15E-07	1.22E-07	4.49E-08	6.11E-08	2.28E-08	1.22E-07	4.49E-08
1467	494561.1	3858502	3.87E-04	3.78E-04	3.73E-04	1.34E-07	4.05E-07	2.34E-07	2.29E-07	2.07E-07	9.46E-08	9.34E-08	0.00E+00	0.00E+00	4.31E-08	7.77E-09	4.93E-08	7.60E-09	7.23E-09	1.15E-07	1.22E-07	4.49E-08	6.10E-08	2.28E-08	1.22E-07	4.49E-08
1468	494611.1	3858502	3.84E-04	3.75E-04	3.70E-04	1.33E-07	4.02E-07	2.32E-07	2.27E-07	2.06E-07	9.38E-08	9.26E-08	0.00E+00	0.00E+00	4.28E-08	7.70E-09	4.89E-08	7.53E-09	7.17E-09	1.14E-07	1.21E-07	4.45E-08	6.05E-08	2.26E-08	1.21E-07	4.45E-08
1469	494661.1	3858502	3.82E-04	3.72E-04	3.68E-04	1.32E-07	3.99E-07	2.31E-07	2.25E-07	2.04E-07	9.32E-08	9.20E-08	0.00E+00	0.00E+00	4.25E-08	7.65E-09	4.85E-08	7.49E-09	7.12E-09	1.13E-07	1.20E-07	4.42E-08	6.01E-08	2.25E-08	1.20E-07	4.42E-08
1470	494711.1	3858502	3.78E-04	3.69E-04	3.64E-04	1.31E-07	3.95E-07	2.29E-07	2.23E-07	2.03E-07	9.24E-08	9.12E-08	0.00E+00	0.00E+00	4.21E-08	7.58E-09	4.81E-08	7.42E-09	7.06E-09	1.12E-07	1.19E-07	4.38E-08	5.96E-08	2.23E-08	1.19E-07	4.38E-08
1471	494761.1	3858502	3.75E-04	3.66E-04	3.61E-04	1.30E-07	3.92E-07	2.27E-07	2.21E-07	2.01E-07	9.16E-08	9.04E-08	0.00E+00	0.00E+00	4.17E-08	7.52E-09	4.77E-08	7.36E-09	7.00E-09	1.11E-07	1.18E-07	4.34E-08	5.91E-08	2.21E-08	1.18E-07	4.34E-08
1472	494811.1	3858502	3.72E-04	3.63E-04	3.58E-04	1.29E-07	3.89E-07	2.25E-07	2.19E-07	1.99E-07	9.08E-08	8.96E-08	0.00E+00	0.00E+00	4.14E-08	7.45E-09	4.73E-08	7.29E-09	6.94E-09	1.10E-07	1.17E-07	4.30E-08	5.86E-08	2.19E-08	1.17E-07	4.30E-08
1473	494861.1	3858502	3.69E-04	3.60E-04	3.56E-04	1.28E-07	3.86E-07	2.23E-07	2.18E-07	1.98E-07	9.02E-08	8.90E-08	0.00E+00	0.00E+00	4.11E-08	7.40E-09	4.70E-08	7.24E-09	6.89E-09	1.10E-07	1.17E-07	4.27E-08	5.82E-08	2.17E-08	1.17E-07	4.27E-08
1474	494911.1	3858502	3.65E-04	3.56E-04	3.52E-04	1.26E-07	3.82E-07	2.21E-07	2.16E-07	1.95E-07	8.92E-08	8.80E-08	0.00E+00	0.00E+00	4.06E-08	7.32E-09	4.64E-08	7.16E-09	6.81E-09	1.08E-07	1.15E-07	4.23E-08	5.75E-08	2.15E-08	1.15E-07	4.23E-08
1475	494961.1	3858502	3.63E-04	3.54E-04	3.49E-04	1.26E-07	3.79E-07	2.19E-07	2.14E-07	1.94E-07	8.86E-08	8.74E-08	0.00E+00	0.00E+00	4.04E-08	7.27E-09	4.61E-08	7.11E-09	6.77E-09	1.08E-07	1.14E-07	4.20E-08	5.71E-08	2.13E-08	1.14E-07	4.20E-08
1476	495011.1	3858502	3.59E-04	3.51E-04	3.46E-04	1.24E-07	3.76E-07	2.17E-07	2.12E-07	1.92E-07	8.77E-08	8.66E-08	0.00E+00	0.00E+00	4.00E-08	7.20E-09	4.57E-08	7.05E-09	6.70E-09	1.07E-07	1.13E-07	4.16E-08	5.66E-08	2.12E-08	1.13E-07	4.16E-08
1477	495061.1	3858502	3.57E-04	3.48E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.71E-08	8.60E-08	0.00E+00	0.00E+00	3.97E-08	7.15E-09	4.54E-08	7.00E-09	6.66E-09	1.06E-07	1.13E-07	4.13E-08	5.62E-08	2.10E-08	1.13E-07	4.13E-08
1478	495111.1	3858502	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	0.00E+00	0.00E+00	3.93E-08	7.07E-09	4.48E-08	6.92E-09	6.58E-09	1.05E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
1479	495161.1	3858502	3.50E-04	3.41E-04	3.37E-04	1.21E-07	3.66E-07	2.12E-07	2.06E-07	1.87E-07	8.54E-08	8.43E-08	0.00E+00	0.00E+00	3.89E-08	7.01E-09	4.45E-08	6.86E-09	6.53E-09	1.04E-07	1.10E-07	4.05E-08	5.51E-08	2.06E-08	1.10E-07	4.05E-08
1480	495211.1	3858502	3.47E-04	3.38E-04	3.34E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.47E-08	8.36E-08	0.00E+00	0.00E+00	3.86E-08	6.95E-09	4.41E-08	6.80E-09	6.47E-09	1.03E-07	1.09E-07	4.01E-08	5.46E-08	2.04E-08	1.09E-07	4.01E-08
1481	495261.1	3858502	3.45E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.09E-07	2.04E-07	1.85E-07	8.42E-08	8.31E-08	0.00E+00	0.00E+00	3.84E-08	6.91E-09	4.38E-08	6.76E-09	6.43E-09	1.02E-07	1.09E-07	3.99E-08	5.43E-08	2.03E-08	1.09E-07	3.99E-08
1482	495311.1	3858502	3.43E-04	3.35E-04	3.30E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.38E-08	8.27E-08	0.00E+00	0.00E+00	3.82E-08	6.88E-09	4.36E-08	6.73E-09	6.40E-09	1.02E-07	1.08E-07	3.97E-08	5.41E-08	2.02E-08	1.08E-07	3.97E-08
1483	495361.1	3858502	3.41E-04	3.33E-04	3.29E-04	1.18E-07	3.57E-07	2.07E-07	2.02E-07	1.83E-07	8.34E-08	8.23E-08	0.00E+00	0.00E+00	3.80E-08	6.84E-09	4.34E-08	6.70E-09	6.37E-09	1.01E-07	1.08E-07	3.95E-08	5.38E-08	2.01E-08	1.08E-07	3.95E-08
1484	495411.1	3858502	3.40E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.31E-08	8.20E-08	0.00E+00	0.00E+00	3.79E-08	6.82E-09	4.33E-08	6.67E-09	6.35E-09	1.01E-07	1.07E-07	3.94E-08	5.36E-08	2.00E-08	1.07E-07	3.94E-08
1485	495461.1	3858502	3.39E-04	3.31E-04	3.27E-04	1.17E-07	3.55E-07	2.05E-07	2.00E-07	1.82E-07	8.29E-08	8.18E-08	0.00E+00	0.00E+00	3.78E-08	6.80E-09	4.32E-08	6.66E-09	6.33E-09	1.01E-07	1.07E-07	3.93E-08	5.35E-08	2.00E-08	1.07E-07	3.93E-08
1486	495511.1	3858502	3.38E-04	3.30E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.25E-08	8.14E-08	0.00E+00	0.00E+00	3.76E-08	6.77E-09	4.29E-08	6.62E-09	6.30E-09	1.00E-07	1.07E-07	3.91E-08	5.32E-08	1.99E-08	1.07E-07	3.91E-08
1487	495561.1	3858502	3.38E-04	3.30E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.25E-08	8.14E-08	0.00E+00	0.00E+00	3.76E-08	6.77E-09	4.29E-08	6.62E-09	6.30E-09	1.00E-07	1.07E-07	3.91E-08	5.32E-08	1.99E-08	1.07E-07	3.91E-08
1488	495611.1	3858502	3.35E-04	3.27E-04	3.23E-04	1.16E-07	3.50E-07	2.03E-07	1.98E-07	1.79E-07	8.19E-08	8.08E-08	0.00E+00	0.00E+00	3.73E-08	6.72E-09	4.26E-08	6.57E-09	6.26E-09	9.95E-08	1.06E-07	3.88E-08	5.28E-08	1.97E-08	1.06E-07	3.88E-08
1489	495661.1	3858502	3.35E-04	3.27E-04	3.22E-04	1.16E-07	3.50E-07	2.03E-07	1.98E-07	1.79E-07	8.18E-08	8.07E-08	0.00E+00	0.00E+00	3.73E-08	6.71E-09	4.26E-08	6.57E-09	6.25E-09	9.94E-08	1.06E-07	3.88E-08	5.27E-08	1.97E-08	1.06E-07	3.88E-08
1490	494311.1	3858552	4.02E-04	3.92E-04	3.87E-04	1.39E-07	4.20E-07	2.43E-07	2.37E-07	2.15E-07	9.82E-08	9.69E-08	0.00E+00	0.00E+00	4.48E-08	8.06E-09	5.11E-08	7.88E-09	7.50E-09	1.19E-07	1.27E-07	4.65E-08	6.33E-08	2.37E-08	1.27E-07	4.65E-08
1491	494361.1	3858552	4.02E-04	3.92E-04	3.87E-04	1.39E-07	4.20E-07	2.43E-07	2.37E-07	2.15E-07	9.82E-08	9.69E-08	0.00E+00	0.00E+00	4.48E-08	8.06E-09	5.11E-08	7.88E-09	7.50E-09	1.19E-07	1.27E-07	4.65E-08	6.33E-08	2.37E-08	1.27E-07	4.65E-08
1492	494411.1	3858552	4.03E-04	3.93E-04	3.88E-04	1.39E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.84E-08	9.71E-08	0.00E+00	0.00E+00	4.48E-08	8.07E-09	5.12E-08	7.90E-09	7.52E-09	1.20E-07	1.27E-07	4.66E-08	6.35E-08	2.37E-08	1.27E-07	4.66E-08
1493	494461.1	3858552	4.01E-04	3.91E-04	3.86E-04	1.39E-07	4.19E-07	2.43E-07	2.37E-07	2.15E-07	9.80E-08	9.67E-08	0.00E+00	0.00E+00	4.47E-08	8.04E-09	5.10E-08	7.87E-09	7.49E-09	1.19E-07	1.27E-07	4.64E-08	6.32E-08	2.36E-08	1.27E-07	4.64E-08
1494	494511.1	3858552	3.99E-04	3.89E-04	3.84E-04	1.38E-07	4.17E-07	2.41E-07	2.35E-07	2.13E-07	9.74E-08	9.61E-08	0.00E+00	0.00E+00	4.44E-08	7.99E-09	5.07E-08	7.82E-09	7.44E-09	1.18E-07	1.26E-07	4.62E-08	6.28E-08	2.35E-08	1.26E-07	4.62E-08
1495	494561.1	3858552	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.12E-07	9.69E-08	9.56E-08	0.00E+00	0.00E+00	4.41E-08	7.95E-09	5.04E-08	7.78E-09	7.40E-09	1.18E-07	1.25E-07	4.59E-08	6.25E-08	2.33E-08	1.25E-07	4.59E-08
1496	494611.1	3858552	3.94E-04	3.85E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.33E-07	2.11E-07	9.63E-08	9.50E-08	0.00E+00	0.00E+00	4.39E-08	7.90E-09	5.01E-08	7.73E-09	7.35E-09	1.17E-07	1.24E-07	4.56E-08	6.21E-08	2.32E-08	1.24E-07	4.56E-08
1497	494661.1	3858552	3.92E-04	3.82E-04	3.77E-04	1.36E-07	4.09E-07	2.37E-07	2.31E-07	2.10E-07	9.56E-08	9.44E-08	0.00E+00	0.00E+00	4.36E-08	7.85E-09	4.98E-08	7.68E-09	7.31E-09	1.16E-07	1.24E-07	4.53E-08	6.17E-08	2.31E-08	1.24E-07	4.53E-08
1498	494711.1	3858552	3.87E-04	3.78E-04	3.73E-04	1.34E-07	4.05E-07	2.34E-07	2.29E-07	2.07E-07	9.46E-08	9.34E-08	0.00E+00	0.00E+00	4.31E-08	7.77E-09	4.93E-08	7.60E-09	7.23E-09	1.15E-07	1.22E-07	4.49E-08	6.10E-08	2.28E-08	1.22E-07	4.49E-08
1499	494761.1	3858552	3.83E-04	3.74E-04	3.69E-04	1.33E-07	4.01E-07	2.32E-07	2.26E-07	2.05E-07	9.36E-08	9.24E-08	0.00E+00	0.00E+00	4.27E-08	7.68E-09	4.88E-08	7.52E-09	7.15E-09	1.14E-07	1.21E-07	4.44E-08	6.04E-08	2.26E-08	1.21E-07	4.44E-08
1500	494811.1	3858552	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.29E-08	9.17E-08	0.00E+00	0.00E+00	4.23E-08	7.62E-09	4.84E-08	7.46E-09	7.10E-09	1.13E-07	1.20E-07	4.40E-08	5.99E-08	2.24E-08	1.20E-07	4.40E-08
1501	494861.1	3858552	3.77E-04	3.68E-04	3.63E-04	1.30E-07	3.94E-07	2.28E-07	2.22E-07	2.02E-07	9.20E-08	9.08E-08	0.00E+00	0.00E+00	4.19E-08	7.55E-09	4.79E-08	7.39E-09	7.03E-09	1.12E-07	1.19E-07	4.36E-08	5.93E-08	2.22E-08	1.19E-07	4.36E-08
1502	494911.1	3858552	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.11E-08	8.99E-08	0.00E+00	0.00E+00	4.15E-08	7.47E-09	4.74E-08	7.31E-09	6.96E-09	1.11E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
1503	494961.1	3858552	3.70E-04	3.61E-04	3.56E-04	1.28E-07	3.86E-07	2.24E-07	2.18E-07	1.98E-07	9.03E-08	8.91E-08	0.00E+00	0.00E+00	4.11E-08	7.41E-09	4.70E-08	7.25E-09	6.90E-09	1.10E-07	1.17E-07	4.28E-08	5.82E-08	2.18E-08	1.17E-07	4.28E-08
1504	495011.1	3858552	3.66E-04	3.57E-04	3.52E-04	1.27E-07	3.82E-07	2.21E-07	2.16E-07	1.96E-07	8.93E-08	8.81E-08	0.00E+00	0.00E+00	4.07E-08	7.33E-09	4.65E-08	7.17E-09	6.82E-09	1.08E-07	1.15E-07	4.23E-08	5.76E-08	2.15E-08	1.15E-07	4.23E-08
1505	495061.1	3858552	3.63E-04	3.54E-04	3.50E-04	1.26E-07	3.79E-07	2.20E-07	2.14E-07	1.94E-07	8.87E-08	8.75E-08	0.00E+00	0.00E+00	4.04E-08	7.28E-09	4.62E-08	7.12E-09	6.77E-09	1.08E-07	1.15E-07	4.20E-08	5.72E-08	2.14E-08	1.15E-07	4.20E-08
1506	495111.1	3858552	3.58E-04	3.50E-04	3.45E-04	1.24E-07	3.75E-07	2.17E-07	2.12E-07	1.92E-07	8.75E-08	8.64E-08	0.00E+00	0.00E+00	3.99E-08	7.18E-09	4.56E-08	7.03E-09	6.69E-09	1.06E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
1507	495161.1	3858552	3.55E-04	3.47E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.10E-07	1.90E-07	8.67E-08	8.56E-08	0.00E+00	0.00E+00	3.95E-08	7.12E-09	4.52E-08	6.96E-09	6.63E-09	1.05E-07	1.12E-07	4.11E-08	5.59E-08	2.09E-08	1.12E-07	4.11E-08
1508	495211.1	3858552	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	0.00E+00	0.00E+00	3.93E-08	7.07E-09	4.48E-08	6.92E-09	6.58E-09	1.05E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
1509	495261.1	3858552	3.50E-04	3.42E-04	3.37E-04	1.21E-07	3.66E-07	2.12E-07	2.07E-07	1.87E-07	8.55E-08	8.44E-08	0.00E+00	0.00E+00	3.90E-08	7.02E-09	4.45E-08	6.87E-09	6.53E-09	1.04E-07	1.11E-07	4.05E-08	5.52E-08	2.06E-08	1.11E-07	4.05E-08
1510	495311.1	3858552	3.49E-04	3.41E-04	3.36E-04	1.21E-07	3.65E-07	2.11E-07	2.06E-07	1.87E-07	8.53E-08	8.42E-08	0.00E+00	0.00E+00	3.89E-08	7.00E-09	4.44E-08	6.85E-09	6.52E-09	1.04E-07	1.10E-07	4.04E-08	5.50E-08	2.06E-08	1.10E-07	4.04E-08
1511	495361.1	3858552	3.48E-04	3.39E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.49E-08	8.38E-08	0.00E+00	0.00E+00	3.87E-08	6.97E-09	4.42E-08	6.82E-09	6.49E-09	1.03E-07	1.10E-07	4.02E-08	5.48E-08	2.05E-08	1.10E-07	4.02E-08
1512	495411.1	3858552	3.47E-04	3.38E-04	3.34E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.47E-08	8.36E-08	0.00E+00	0.00E+00	3.86E-08	6.95E-09	4.41E-08	6.80E-09	6.47E-09	1.03E-07	1.09E-07	4.01E-08	5.46E-08	2.04E-08	1.09E-07	4.01E-08
1513	495461.1	3858552	3.45E-04	3.37E-04	3.32E-04	1.19E-07	3.61E-07	2.09E-07	2.04E-07	1.85E-07	8.43E-08	8.32E-08	0.00E+00	0.00E+00	3.84E-08	6.92E-09	4.39E-08	6.77E-09	6.44E-09	1.02E-07	1.09E-07	4.00E-08	5.44E-08	2.03E-08	1.09E-07	4.00E-08
1514	495511.1	3858552	3.44E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.08E-07	2.03E-07	1.84E-07	8.41E-08	8.30E-08	0.00E+00	0.00E+00	3.83E-08	6.90E-09	4.38E-08	6.75E-09	6.43E-09	1.02E-07	1.09E-07	3.99E-08	5.42E-08	2.03E-08	1.09E-07	3.99E-08
1515	495561.1	3858552	3.43E-04	3.35E-04	3.30E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.38E-08	8.27E-08	0.00E+00	0.00E+00	3.82E-08	6.88E-09	4.36E-08	6.73E-09	6.40E-09	1.02E-07	1.08E-07	3.97E-08	5.41E-08	2.02E-08	1.08E-07	3.97E-08
1516	495611.1	3858552	3.42E-04	3.34E-04	3.29E-04	1.18E-07	3.57E-07	2.07E-07	2.02E-07	1.83E-07	8.35E-08	8.24E-08	0.00E+00	0.00E+00	3.81E-08	6.85E-09	4.35E-08	6.70E-09	6.38E-09	1.01E-07	1.08E-07	3.96E-08	5.39E-08	2.01E-08	1.08E-07	3.96E-08
1517	495661.1	3858552	3.40E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.31E-08	8.20E-08	0.00E+00	0.00E+00	3.79E-08	6.82E-09	4.33E-08	6.67E-09	6.35E-09	1.01E-07	1.07E-07	3.94E-08	5.36E-08	2.00E-08	1.07E-07	3.94E-08
1518	494311.1	3858602	4.01E-04	3.91E-04	3.86E-04	1.39E-07	4.19E-07	2.42E-07	2.37E-07	2.15E-07	9.79E-08	9.66E-08	0.00E+00	0.00E+00	4.46E-08	8.03E-09	5.10E-08	7.86E-09	7.48E-09	1.19E-07	1.26E-07	4.64E-08	6.31E-08	2.36E-08	1.26E-07	4.64E-08
1519	494361.1	3858602	4.07E-04	3.97E-04	3.92E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.94E-08	9.81E-08	0.00E+00	0.00E+00	4.53E-08	8.16E-09	5.18E-08	7.98E-09	7.59E-09	1.21E-07	1.28E-07	4.71E-08	6.41E-08	2.40E-08	1.28E-07	4.71E-08
1520	494411.1	3858602	4.13E-04	4.03E-04	3.97E-04	1.43E-07	4.31E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.95E-08	0.00E+00	0.00E+00	4.60E-08	8.27E-09	5.25E-08	8.10E-09	7.70E-09	1.23E-07	1.30E-07	4.78E-08	6.50E-08	2.43E-08	1.30E-07	4.78E-08
1521	494461.1	3858602	4.11E-04	4.01E-04	3.95E-04	1.42E-07	4.29E-07	2.49E-07	2.43E-07	2.20E-07	1.00E-07	9.90E-08	0.00E+00	0.00E+00	4.57E-08	8.23E-09	5.22E-08	8.05E-09	7.66E-09	1.22E-07	1.30E-07	4.75E-08	6.47E-08	2.42E-08	1.30E-07	4.75E-08
1522	494511.1	3858602	4.07E-04	3.97E-04	3.92E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.94E-08	9.81E-08	0.00E+00	0.00E+00	4.53E-08	8.16E-09	5.18E-08	7.98E-09	7.59E-09	1.21E-07	1.28E-07	4.71E-08	6.41E-08	2.40E-08	1.28E-07	4.71E-08
1523	494561.1	3858602	4.07E-04	3.97E-04	3.91E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.93E-08	9.80E-08	0.00E+00	0.00E+00	4.53E-08	8.15E-09	5.17E-08	7.97E-09	7.59E-09	1.21E-07	1.28E-07	4.71E-08	6.41E-08	2.39E-08	1.28E-07	4.71E-08
1524	494611.1	3858602	4.03E-04	3.94E-04	3.88E-04	1.40E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.85E-08	9.72E-08	0.00E+00	0.00E+00	4.49E-08	8.08E-09	5.13E-08	7.91E-09	7.52E-09	1.20E-07	1.27E-07	4.67E-08	6.35E-08	2.37E-08	1.27E-07	4.67E-08
1525	494661.1	3858602	4.00E-04	3.90E-04	3.85E-04	1.38E-07	4.18E-07	2.42E-07	2.36E-07	2.14E-07	9.77E-08	9.64E-08	0.00E+00	0.00E+00	4.45E-08	8.02E-09	5.09E-08	7.84E-09	7.46E-09	1.19E-07	1.26E-07	4.63E-08	6.30E-08	2.35E-08	1.26E-07	4.63E-08
1526	494711.1	3858602	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.12E-07	9.69E-08	9.56E-08	0.00E+00	0.00E+00	4.41E-08	7.95E-09	5.04E-08	7.78E-09	7.40E-09	1.18E-07	1.25E-07	4.59E-08	6.25E-08	2.33E-08	1.25E-07	4.59E-08
1527	494761.1	3858602	3.93E-04	3.83E-04	3.78E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.10E-07	9.60E-08	9.47E-08	0.00E+00	0.00E+00	4.37E-08	7.87E-09	5.00E-08	7.70E-09	7.33E-09	1.17E-07	1.24E-07	4.55E-08	6.19E-08	2.31E-08	1.24E-07	4.55E-08
1528	494811.1	3858602	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.05E-07	2.35E-07	2.29E-07	2.08E-07	9.47E-08	9.35E-08	0.00E+00	0.00E+00	4.32E-08	7.77E-09	4.93E-08	7.61E-09	7.24E-09	1.15E-07	1.22E-07	4.49E-08	6.11E-08	2.28E-08	1.22E-07	4.49E-08
1529	494861.1	3858602	3.85E-04	3.75E-04	3.70E-04	1.33E-07	4.02E-07	2.33E-07	2.27E-07	2.06E-07	9.39E-08	9.27E-08	0.00E+00	0.00E+00	4.28E-08	7.71E-09	4.89E-08	7.54E-09	7.18E-09	1.14E-07	1.21E-07	4.45E-08	6.06E-08	2.26E-08	1.21E-07	4.45E-08
1530	494911.1	3858602	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.28E-08	9.16E-08	0.00E+00	0.00E+00	4.23E-08	7.62E-09	4.83E-08	7.45E-09	7.09E-09	1.13E-07	1.20E-07	4.40E-08	5.99E-08	2.24E-08	1.20E-07	4.40E-08
1531	494961.1	3858602	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.28E-07	2.22E-07	2.01E-07	9.19E-08	9.07E-08	0.00E+00	0.00E+00	4.19E-08	7.54E-09	4.79E-08	7.38E-09	7.02E-09	1.12E-07	1.19E-07	4.36E-08	5.93E-08	2.22E-08	1.19E-07	4.36E-08
1532	495011.1	3858602	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.11E-08	8.99E-08	0.00E+00	0.00E+00	4.15E-08	7.47E-09	4.74E-08	7.31E-09	6.96E-09	1.11E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
1533	495061.1	3858602	3.69E-04	3.60E-04	3.56E-04	1.28E-07	3.86E-07	2.23E-07	2.18E-07	1.98E-07	9.02E-08	8.90E-08	0.00E+00	0.00E+00	4.11E-08	7.40E-09	4.70E-08	7.24E-09	6.89E-09	1.10E-07	1.17E-07	4.27E-08	5.82E-08	2.17E-08	1.17E-07	4.27E-08

1534	495111.1	3858602	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	0.00E+00	0.00E+00	4.05E-08	7.30E-09	4.63E-08	7.14E-09	6.80E-09	1.08E-07	1.15E-07	4.22E-08	5.74E-08	2.14E-08	1.15E-07	4.22E-08
1535	495161.1	3858602	3.62E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.14E-07	1.94E-07	8.84E-08	8.72E-08	0.00E+00	0.00E+00	4.03E-08	7.25E-09	4.60E-08	7.09E-09	6.75E-09	1.07E-07	1.14E-07	4.19E-08	5.70E-08	2.13E-08	1.14E-07	4.19E-08
1536	495211.1	3858602	3.59E-04	3.51E-04	3.46E-04	1.24E-07	3.76E-07	2.17E-07	2.12E-07	1.92E-07	8.77E-08	8.66E-08	0.00E+00	0.00E+00	4.00E-08	7.20E-09	4.57E-08	7.05E-09	6.70E-09	1.07E-07	1.13E-07	4.16E-08	5.66E-08	2.12E-08	1.13E-07	4.16E-08
1537	495261.1	3858602	3.57E-04	3.49E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.72E-08	8.61E-08	0.00E+00	0.00E+00	3.98E-08	7.16E-09	4.54E-08	7.01E-09	6.67E-09	1.06E-07	1.13E-07	4.14E-08	5.63E-08	2.10E-08	1.13E-07	4.14E-08
1538	495311.1	3858602	3.55E-04	3.47E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.10E-07	1.90E-07	8.67E-08	8.56E-08	0.00E+00	0.00E+00	3.95E-08	7.12E-09	4.52E-08	6.96E-09	6.63E-09	1.05E-07	1.12E-07	4.11E-08	5.59E-08	2.09E-08	1.12E-07	4.11E-08
1539	495361.1	3858602	3.54E-04	3.45E-04	3.41E-04	1.23E-07	3.70E-07	2.14E-07	2.09E-07	1.89E-07	8.64E-08	8.53E-08	0.00E+00	0.00E+00	3.94E-08	7.09E-09	4.50E-08	6.94E-09	6.60E-09	1.05E-07	1.12E-07	4.10E-08	5.57E-08	2.08E-08	1.12E-07	4.10E-08
1540	495411.1	3858602	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	0.00E+00	0.00E+00	3.93E-08	7.07E-09	4.48E-08	6.92E-09	6.58E-09	1.05E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
1541	495461.1	3858602	3.51E-04	3.43E-04	3.38E-04	1.22E-07	3.67E-07	2.13E-07	2.07E-07	1.88E-07	8.58E-08	8.47E-08	0.00E+00	0.00E+00	3.91E-08	7.04E-09	4.47E-08	6.89E-09	6.56E-09	1.04E-07	1.11E-07	4.07E-08	5.54E-08	2.07E-08	1.11E-07	4.07E-08
1542	495511.1	3858602	3.50E-04	3.41E-04	3.37E-04	1.21E-07	3.66E-07	2.12E-07	2.06E-07	1.87E-07	8.54E-08	8.43E-08	0.00E+00	0.00E+00	3.89E-08	7.01E-09	4.45E-08	6.86E-09	6.53E-09	1.04E-07	1.10E-07	4.05E-08	5.51E-08	2.06E-08	1.10E-07	4.05E-08
1543	495561.1	3858602	3.49E-04	3.40E-04	3.36E-04	1.21E-07	3.65E-07	2.11E-07	2.06E-07	1.87E-07	8.52E-08	8.41E-08	0.00E+00	0.00E+00	3.88E-08	6.99E-09	4.44E-08	6.84E-09	6.51E-09	1.04E-07	1.10E-07	4.04E-08	5.50E-08	2.05E-08	1.10E-07	4.04E-08
1544	495611.1	3858602	3.47E-04	3.39E-04	3.34E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.48E-08	8.37E-08	0.00E+00	0.00E+00	3.87E-08	6.96E-09	4.42E-08	6.81E-09	6.48E-09	1.03E-07	1.10E-07	4.02E-08	5.47E-08	2.04E-08	1.10E-07	4.02E-08
1545	495661.1	3858602	3.46E-04	3.37E-04	3.33E-04	1.20E-07	3.61E-07	2.09E-07	2.04E-07	1.85E-07	8.44E-08	8.33E-08	0.00E+00	0.00E+00	3.85E-08	6.93E-09	4.39E-08	6.78E-09	6.45E-09	1.03E-07	1.09E-07	4.00E-08	5.44E-08	2.03E-08	1.09E-07	4.00E-08
1546	494311.1	3858652	4.06E-04	3.96E-04	3.91E-04	1.40E-07	4.24E-07	2.46E-07	2.40E-07	2.17E-07	9.91E-08	9.78E-08	0.00E+00	0.00E+00	4.52E-08	8.13E-09	5.16E-08	7.96E-09	7.57E-09	1.20E-07	1.28E-07	4.70E-08	6.39E-08	2.39E-08	1.28E-07	4.70E-08
1547	494361.1	3858652	4.12E-04	4.02E-04	3.97E-04	1.43E-07	4.31E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.93E-08	0.00E+00	0.00E+00	4.59E-08	8.26E-09	5.24E-08	8.08E-09	7.69E-09	1.22E-07	1.30E-07	4.77E-08	6.49E-08	2.43E-08	1.30E-07	4.77E-08
1548	494411.1	3858652	4.20E-04	4.10E-04	4.05E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.68E-08	8.42E-09	5.34E-08	8.24E-09	7.84E-09	1.25E-07	1.33E-07	4.87E-08	6.62E-08	2.47E-08	1.33E-07	4.87E-08
1549	494461.1	3858652	4.21E-04	4.11E-04	4.05E-04	1.46E-07	4.40E-07	2.55E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.68E-08	8.43E-09	5.35E-08	8.25E-09	7.85E-09	1.25E-07	1.33E-07	4.87E-08	6.63E-08	2.48E-08	1.33E-07	4.87E-08
1550	494511.1	3858652	4.18E-04	4.08E-04	4.03E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	0.00E+00	0.00E+00	4.66E-08	8.38E-09	5.32E-08	8.20E-09	7.80E-09	1.24E-07	1.32E-07	4.84E-08	6.59E-08	2.46E-08	1.32E-07	4.84E-08
1551	494561.1	3858652	4.16E-04	4.06E-04	4.00E-04	1.44E-07	4.35E-07	2.52E-07	2.45E-07	2.22E-07	1.02E-07	1.00E-07	0.00E+00	0.00E+00	4.63E-08	8.33E-09	5.29E-08	8.15E-09	7.76E-09	1.23E-07	1.31E-07	4.81E-08	6.55E-08	2.45E-08	1.31E-07	4.81E-08
1552	494611.1	3858652	4.13E-04	4.03E-04	3.98E-04	1.43E-07	4.32E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.96E-08	0.00E+00	0.00E+00	4.60E-08	8.28E-09	5.25E-08	8.10E-09	7.71E-09	1.23E-07	1.30E-07	4.78E-08	6.51E-08	2.43E-08	1.30E-07	4.78E-08
1553	494661.1	3858652	4.09E-04	4.00E-04	3.94E-04	1.42E-07	4.28E-07	2.48E-07	2.42E-07	2.19E-07	1.00E-07	9.87E-08	0.00E+00	0.00E+00	4.56E-08	8.21E-09	5.21E-08	8.03E-09	7.64E-09	1.22E-07	1.29E-07	4.74E-08	6.45E-08	2.41E-08	1.29E-07	4.74E-08
1554	494711.1	3858652	4.05E-04	3.96E-04	3.90E-04	1.40E-07	4.24E-07	2.45E-07	2.39E-07	2.17E-07	9.90E-08	9.77E-08	0.00E+00	0.00E+00	4.51E-08	8.12E-09	5.15E-08	7.95E-09	7.56E-09	1.20E-07	1.28E-07	4.69E-08	6.39E-08	2.39E-08	1.28E-07	4.69E-08
1555	494761.1	3858652	4.02E-04	3.92E-04	3.87E-04	1.39E-07	4.20E-07	2.43E-07	2.37E-07	2.15E-07	9.81E-08	9.68E-08	0.00E+00	0.00E+00	4.47E-08	8.05E-09	5.11E-08	7.88E-09	7.49E-09	1.19E-07	1.27E-07	4.65E-08	6.33E-08	2.36E-08	1.27E-07	4.65E-08
1556	494811.1	3858652	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.13E-07	9.70E-08	9.57E-08	0.00E+00	0.00E+00	4.42E-08	7.96E-09	5.05E-08	7.79E-09	7.41E-09	1.18E-07	1.25E-07	4.60E-08	6.25E-08	2.34E-08	1.25E-07	4.60E-08
1557	494861.1	3858652	3.92E-04	3.83E-04	3.78E-04	1.36E-07	4.10E-07	2.37E-07	2.32E-07	2.10E-07	9.59E-08	9.46E-08	0.00E+00	0.00E+00	4.37E-08	7.87E-09	4.99E-08	7.70E-09	7.32E-09	1.16E-07	1.24E-07	4.54E-08	6.18E-08	2.31E-08	1.24E-07	4.54E-08
1558	494911.1	3858652	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.05E-07	2.35E-07	2.29E-07	2.08E-07	9.47E-08	9.35E-08	0.00E+00	0.00E+00	4.32E-08	7.77E-09	4.93E-08	7.61E-09	7.24E-09	1.15E-07	1.22E-07	4.49E-08	6.11E-08	2.28E-08	1.22E-07	4.49E-08
1559	494961.1	3858652	3.83E-04	3.74E-04	3.69E-04	1.33E-07	4.01E-07	2.32E-07	2.26E-07	2.05E-07	9.36E-08	9.24E-08	0.00E+00	0.00E+00	4.27E-08	7.68E-09	4.88E-08	7.52E-09	7.15E-09	1.14E-07	1.21E-07	4.44E-08	6.04E-08	2.26E-08	1.21E-07	4.44E-08
1560	495011.1	3858652	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.28E-08	9.16E-08	0.00E+00	0.00E+00	4.23E-08	7.62E-09	4.83E-08	7.45E-09	7.09E-09	1.13E-07	1.20E-07	4.40E-08	5.99E-08	2.24E-08	1.20E-07	4.40E-08
1561	495061.1	3858652	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.28E-07	2.22E-07	2.01E-07	9.19E-08	9.07E-08	0.00E+00	0.00E+00	4.19E-08	7.54E-09	4.79E-08	7.38E-09	7.02E-09	1.12E-07	1.19E-07	4.36E-08	5.93E-08	2.22E-08	1.19E-07	4.36E-08
1562	495111.1	3858652	3.72E-04	3.63E-04	3.58E-04	1.29E-07	3.89E-07	2.25E-07	2.19E-07	1.99E-07	9.08E-08	8.96E-08	0.00E+00	0.00E+00	4.14E-08	7.45E-09	4.73E-08	7.29E-09	6.94E-09	1.10E-07	1.17E-07	4.30E-08	5.86E-08	2.19E-08	1.17E-07	4.30E-08
1563	495161.1	3858652	3.69E-04	3.60E-04	3.55E-04	1.28E-07	3.85E-07	2.23E-07	2.18E-07	1.97E-07	9.01E-08	8.89E-08	0.00E+00	0.00E+00	4.11E-08	7.39E-09	4.69E-08	7.23E-09	6.88E-09	1.09E-07	1.16E-07	4.27E-08	5.81E-08	2.17E-08	1.16E-07	4.27E-08
1564	495211.1	3858652	3.66E-04	3.57E-04	3.52E-04	1.27E-07	3.82E-07	2.21E-07	2.16E-07	1.96E-07	8.93E-08	8.81E-08	0.00E+00	0.00E+00	4.07E-08	7.33E-09	4.65E-08	7.17E-09	6.82E-09	1.08E-07	1.15E-07	4.23E-08	5.76E-08	2.15E-08	1.15E-07	4.23E-08
1565	495261.1	3858652	3.64E-04	3.55E-04	3.50E-04	1.26E-07	3.80E-07	2.20E-07	2.15E-07	1.95E-07	8.89E-08	8.77E-08	0.00E+00	0.00E+00	4.05E-08	7.29E-09	4.63E-08	7.14E-09	6.79E-09	1.08E-07	1.15E-07	4.21E-08	5.73E-08	2.14E-08	1.15E-07	4.21E-08
1566	495311.1	3858652	3.62E-04	3.53E-04	3.49E-04	1.25E-07	3.79E-07	2.19E-07	2.14E-07	1.94E-07	8.85E-08	8.73E-08	0.00E+00	0.00E+00	4.03E-08	7.26E-09	4.61E-08	7.10E-09	6.76E-09	1.07E-07	1.14E-07	4.19E-08	5.71E-08	2.13E-08	1.14E-07	4.19E-08
1567	495361.1	3858652	3.61E-04	3.52E-04	3.47E-04	1.25E-07	3.77E-07	2.18E-07	2.13E-07	1.93E-07	8.80E-08	8.69E-08	0.00E+00	0.00E+00	4.01E-08	7.23E-09	4.58E-08	7.07E-09	6.73E-09	1.07E-07	1.14E-07	4.17E-08	5.68E-08	2.12E-08	1.14E-07	4.17E-08
1568	495411.1	3858652	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	0.00E+00	0.00E+00	4.00E-08	7.21E-09	4.57E-08	7.05E-09	6.71E-09	1.07E-07	1.14E-07	4.16E-08	5.67E-08	2.12E-08	1.14E-07	4.16E-08
1569	495461.1	3858652	3.59E-04	3.50E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.12E-07	1.92E-07	8.76E-08	8.65E-08	0.00E+00	0.00E+00	3.99E-08	7.19E-09	4.56E-08	7.04E-09	6.70E-09	1.07E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
1570	495511.1	3858652	3.56E-04	3.48E-04	3.43E-04	1.23E-07	3.72E-07	2.16E-07	2.10E-07	1.91E-07	8.70E-08	8.59E-08	0.00E+00	0.00E+00	3.97E-08	7.14E-09	4.53E-08	6.99E-09	6.65E-09	1.06E-07	1.12E-07	4.13E-08	5.61E-08	2.10E-08	1.12E-07	4.13E-08
1571	495561.1	3858652	3.55E-04	3.46E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.09E-07	1.90E-07	8.66E-08	8.55E-08	0.00E+00	0.00E+00	3.95E-08	7.11E-09	4.51E-08	6.96E-09	6.62E-09	1.05E-07	1.12E-07	4.11E-08	5.59E-08	2.09E-08	1.12E-07	4.11E-08
1572	495611.1	3858652	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	0.00E+00	0.00E+00	3.93E-08	7.07E-09	4.48E-08	6.92E-09	6.58E-09	1.05E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
1573	495661.1	3858652	3.51E-04	3.43E-04	3.38E-04	1.22E-07	3.67E-07	2.13E-07	2.07E-07	1.88E-07	8.58E-08	8.47E-08	0.00E+00	0.00E+00	3.91E-08	7.04E-09	4.47E-08	6.89E-09	6.56E-09	1.04E-07	1.11E-07	4.07E-08	5.54E-08	2.07E-08	1.11E-07	4.07E-08
1574	494311.1	3858702	4.16E-04	4.06E-04	4.00E-04	1.44E-07	4.35E-07	2.52E-07	2.45E-07	2.22E-07	1.02E-07	1.00E-07	0.00E+00	0.00E+00	4.63E-08	8.33E-09	5.29E-08	8.15E-09	7.76E-09	1.23E-07	1.31E-07	4.81E-08	6.55E-08	2.45E-08	1.31E-07	4.81E-08
1575	494361.1	3858702	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.27E-07	1.04E-07	1.02E-07	0.00E+00	0.00E+00	4.73E-08	8.51E-09	5.40E-08	8.33E-09	7.93E-09	1.26E-07	1.34E-07	4.92E-08	6.69E-08	2.50E-08	1.34E-07	4.92E-08
1576	494411.1	3858702	4.30E-04	4.20E-04	4.14E-04	1.49E-07	4.50E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.79E-08	8.62E-09	5.47E-08	8.44E-09	8.03E-09	1.28E-07	1.36E-07	4.98E-08	6.78E-08	2.53E-08	1.36E-07	4.98E-08
1577	494461.1	3858702	4.29E-04	4.18E-04	4.13E-04	1.48E-07	4.48E-07	2.59E-07	2.53E-07	2.29E-07	1.05E-07	1.03E-07	0.00E+00	0.00E+00	4.77E-08	8.59E-09	5.45E-08	8.40E-09	8.00E-09	1.27E-07	1.35E-07	4.96E-08	6.75E-08	2.52E-08	1.35E-07	4.96E-08
1578	494511.1	3858702	4.28E-04	4.18E-04	4.12E-04	1.48E-07	4.48E-07	2.59E-07	2.53E-07	2.29E-07	1.05E-07	1.03E-07	0.00E+00	0.00E+00	4.77E-08	8.58E-09	5.44E-08	8.40E-09	7.99E-09	1.27E-07	1.35E-07	4.96E-08	6.74E-08	2.52E-08	1.35E-07	4.96E-08
1579	494561.1	3858702	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.28E-07	1.04E-07	1.02E-07	0.00E+00	0.00E+00	4.73E-08	8.52E-09	5.41E-08	8.34E-09	7.93E-09	1.26E-07	1.34E-07	4.92E-08	6.70E-08	2.50E-08	1.34E-07	4.92E-08
1580	494611.1	3858702	4.20E-04	4.10E-04	4.05E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.68E-08	8.42E-09	5.34E-08	8.24E-09	7.84E-09	1.25E-07	1.33E-07	4.87E-08	6.62E-08	2.47E-08	1.33E-07	4.87E-08
1581	494661.1	3858702	4.19E-04	4.08E-04	4.03E-04	1.45E-07	4.38E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	0.00E+00	0.00E+00	4.66E-08	8.39E-09	5.32E-08	8.21E-09	7.81E-09	1.24E-07	1.32E-07	4.85E-08	6.59E-08	2.46E-08	1.32E-07	4.85E-08
1582	494711.1	3858702	4.09E-04	3.99E-04	3.93E-04	1.41E-07	4.27E-07	2.47E-07	2.41E-07	2.19E-07	9.98E-08	9.85E-08	0.00E+00	0.00E+00	4.55E-08	8.19E-09	5.20E-08	8.01E-09	7.63E-09	1.21E-07	1.29E-07	4.73E-08	6.44E-08	2.41E-08	1.29E-07	4.73E-08
1583	494761.1	3858702	4.09E-04	4.00E-04	3.94E-04	1.42E-07	4.28E-07	2.48E-07	2.42E-07	2.19E-07	1.00E-07	9.87E-08	0.00E+00	0.00E+00	4.56E-08	8.21E-09	5.21E-08	8.03E-09	7.64E-09	1.22E-07	1.29E-07	4.74E-08	6.45E-08	2.41E-08	1.29E-07	4.74E-08
1584	494811.1	3858702	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.45E-07	2.39E-07	2.16E-07	9.87E-08	9.74E-08	0.00E+00	0.00E+00	4.50E-08	8.10E-09	5.14E-08	7.92E-09	7.54E-09	1.20E-07	1.28E-07	4.68E-08	6.37E-08	2.38E-08	1.28E-07	4.68E-08
1585	494861.1	3858702	4.00E-04	3.91E-04	3.85E-04	1.39E-07	4.18E-07	2.42E-07	2.36E-07	2.14E-07	9.78E-08	9.65E-08	0.00E+00	0.00E+00	4.46E-08	8.02E-09	5.09E-08	7.85E-09	7.47E-09	1.19E-07	1.26E-07	4.63E-08	6.31E-08	2.36E-08	1.26E-07	4.63E-08
1586	494911.1	3858702	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.12E-07	9.69E-08	9.56E-08	0.00E+00	0.00E+00	4.41E-08	7.95E-09	5.04E-08	7.78E-09	7.40E-09	1.18E-07	1.25E-07	4.59E-08	6.25E-08	2.33E-08	1.25E-07	4.59E-08
1587	494961.1	3858702	3.90E-04	3.81E-04	3.76E-04	1.35E-07	4.08E-07	2.36E-07	2.31E-07	2.09E-07	9.53E-08	9.41E-08	0.00E+00	0.00E+00	4.35E-08	7.82E-09	4.96E-08	7.66E-09	7.28E-09	1.16E-07	1.23E-07	4.52E-08	6.15E-08	2.30E-08	1.23E-07	4.52E-08
1588	495011.1	3858702	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.03E-07	2.33E-07	2.28E-07	2.07E-07	9.42E-08	9.30E-08	0.00E+00	0.00E+00	4.29E-08	7.73E-09	4.91E-08	7.57E-09	7.20E-09	1.15E-07	1.22E-07	4.47E-08	6.08E-08	2.27E-08	1.22E-07	4.47E-08
1589	495061.1	3858702	3.84E-04	3.74E-04	3.70E-04	1.33E-07	4.01E-07	2.32E-07	2.27E-07	2.05E-07	9.37E-08	9.25E-08	0.00E+00	0.00E+00	4.27E-08	7.69E-09	4.88E-08	7.53E-09	7.16E-09	1.14E-07	1.21E-07	4.44E-08	6.05E-08	2.26E-08	1.21E-07	4.44E-08
1590	495111.1	3858702	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.25E-08	9.13E-08	0.00E+00	0.00E+00	4.22E-08	7.59E-09	4.82E-08	7.43E-09	7.07E-09	1.12E-07	1.20E-07	4.38E-08	5.97E-08	2.23E-08	1.20E-07	4.38E-08
1591	495161.1	3858702	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.27E-07	2.22E-07	2.01E-07	9.18E-08	9.06E-08	0.00E+00	0.00E+00	4.18E-08	7.53E-09	4.78E-08	7.37E-09	7.01E-09	1.12E-07	1.19E-07	4.35E-08	5.92E-08	2.21E-08	1.19E-07	4.35E-08
1592	495211.1	3858702	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.89E-07	2.25E-07	2.20E-07	1.99E-07	9.10E-08	8.98E-08	0.00E+00	0.00E+00	4.15E-08	7.47E-09	4.74E-08	7.31E-09	6.95E-09	1.11E-07	1.18E-07	4.31E-08	5.87E-08	2.19E-08	1.18E-07	4.31E-08
1593	495261.1	3858702	3.71E-04	3.62E-04	3.58E-04	1.29E-07	3.88E-07	2.25E-07	2.19E-07	1.99E-07	9.07E-08	8.95E-08	0.00E+00	0.00E+00	4.13E-08	7.44E-09	4.72E-08	7.28E-09	6.93E-09	1.10E-07	1.17E-07	4.30E-08	5.85E-08	2.19E-08	1.17E-07	4.30E-08
1594	495311.1	3858702	3.70E-04	3.61E-04	3.56E-04	1.28E-07	3.86E-07	2.24E-07	2.18E-07	1.98E-07	9.03E-08	8.91E-08	0.00E+00	0.00E+00	4.11E-08	7.41E-09	4.70E-08	7.25E-09	6.90E-09	1.10E-07	1.17E-07	4.28E-08	5.82E-08	2.18E-08	1.17E-07	4.28E-08
1595	495361.1	3858702	3.68E-04	3.59E-04	3.54E-04	1.27E-07	3.85E-07	2.23E-07	2.17E-07	1.97E-07	8.99E-08	8.87E-08	0.00E+00	0.00E+00	4.10E-08	7.38E-09	4.68E-08	7.22E-09	6.87E-09	1.09E-07	1.16E-07	4.26E-08	5.80E-08	2.17E-08	1.16E-07	4.26E-08
1596	495411.1	3858702	3.67E-04	3.58E-04	3.54E-04	1.27E-07	3.84E-07	2.22E-07	2.17E-07	1.97E-07	8.97E-08	8.85E-08	0.00E+00	0.00E+00	4.09E-08	7.36E-09	4.67E-08	7.20E-09	6.85E-09	1.09E-07	1.16E-07	4.25E-08	5.78E-08	2.16E-08	1.16E-07	4.25E-08
1597	495461.1	3858702	3.66E-04	3.57E-04	3.52E-04	1.27E-07	3.82E-07	2.21E-07	2.16E-07	1.96E-07	8.93E-08	8.81E-08	0.00E+00	0.00E+00	4.07E-08	7.33E-09	4.65E-08	7.17E-09	6.82E-09	1.08E-07	1.15E-07	4.23E-08	5.76E-08	2.15E-08	1.15E-07	4.23E-08
1598	495511.1	3858702	3.63E-04	3.55E-04	3.50E-04	1.26E-07	3.80E-07	2.20E-07	2.15E-07	1.95E-07	8.88E-08	8.76E-08	0.00E+00	0.00E+00	4.05E-08	7.28E-09	4.62E-08	7.13E-09	6.78E-09	1.08E-07	1.15E-07	4.21E-08	5.73E-08	2.14E-08	1.15E-07	4.21E-08
1599	495561.1	3858702	3.61E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.13E-07	1.93E-07	8.83E-08	8.71E-08	0.00E+00	0.00E+00	4.02E-08	7.24E-09	4.60E-08	7.09E-09	6.74E-09	1.07E-07	1.14E-07	4.18E-08	5.69E-08	2.13E-08	1.14E-07	4.18E-08
1600	495611.1	3858702	3.59E-04	3.51E-04	3.46E-04	1.24E-07	3.76E-07	2.17E-07	2.12E-07	1.92E-07	8.77E-08	8.66E-08	0.00E+00	0.00E+00	4.00E-08	7.20E-09	4.57E-08	7.05E-09	6.70E-09	1.07E-07	1.13E-07	4.16E-08	5.66E-08	2.12E-08	1.13E-07	4.16E-08
1601	495661.1	3858702	3.58E-04	3.49E-04	3.44E-04	1.24E-07	3.74E-07	2.16E-07	2.11E-07	1.91E-07	8.73E-08	8.62E-08	0.00E+00	0.00E+00	3.98E-08	7.17E-09	4.55E-08	7.01E-09	6.67E-09	1.06E-07	1.13E-07	4.14E-08	5.63E-08	2.11E-08	1.13E-07	4.14E-08
1602	494311.1	3858752	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.28E-07	1.04E-07	1.02E-07	0.00E+00	0.00E+00	4.73E-08	8.52E-09	5.41E-08	8.34E-09	7.93E-09	1.26E-07	1.34E-07	4.92E-08	6.70E-08	2.50E-08	1.34E-07	4.92E-08
1603	494361.1	3858752	4.37E-04	4.27E-04	4.21E-04	1.51E-07	4.57E-07	2.65E-07	2.58E-07	2.34E-07	1.07E-07	1.05E-07	0.00E+00	0.00E+00	4.87E-08	8.76E-09	5.56E-08	8.58E-09	8.16E-09	1.30E-07	1.38E-07	5.06E-08	6.89E-08	2.57E-08	1.38E-07	5.06E-08
1604	494411.1	3858752	4.41E-04	4.31E-04	4.25E-04	1.53E-07	4.61E-07	2.67E-07	2.61E-07	2.36E-07	1.08E-07	1.06E-07	0.00E+00	0.00E+00	4.91E-08	8.85E-09	5.61E-08	8.66E-09	8.24E-09	1.31E-07	1.39E-07	5.11E-08	6.95E-08	2.60E-08	1.39E-07	5.11E-08
1605	494461.1	3858752	4.39E-04	4.29E-04	4.23E-04	1.52E-07	4.59E-07	2.66E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.89E-08	8.81E-09	5.59E-08	8.62E-09	8.20E-09	1.30E-07	1.39E-07	5.09E-08	6.92E-08	2.59E-08	1.39E-07	5.09E-08
1606	494511.1	3858752	4.40E-04	4.29E-04	4.23E-04	1.52E-07	4.60E-07	2.66E-07	2.60E-07	2.35E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.90E-08	8.81E-09	5.59E-08	8.62E-09	8.21E-09	1.31E-07	1.39E-07	5.09E-08	6.93E-08	2.59E-08	1.39E-07	5.09E-08
1607	494561.1	3858752	4.34E-04	4.24E-04	4.18E-04	1.50E-07	4.54E-07	2.63E-07	2.56E-07	2.32E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.84E-08	8.71E-09	5.52E-08	8.52E-09	8.11E-09	1.29E-07	1.37E-07	5.03E-08	6.84E-08	2.56E-08	1.37E-07	5.03E-08
1608	494611.1	3858752	4.30E-04	4.20E-04	4.14E-04	1.49E-07	4.50E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.79E-08	8.62E-09	5.47E-08	8.44E-09	8.03E-09	1.28E-07	1.36E-07	4.98E-08	6.78E-08	2.53E-08	1.36E-07	4.98E-08
1609	494661.1	3858752	4.26E-04	4.16E-04	4.10E-04	1.47E-07	4.45E-07	2.58E-07	2.52E-07	2.28E-07	1.04E-07	1.03E-07	0.00E+00	0.00E+00	4.74E-08	8.54E-09	5.42E-08	8.36E-09	7.95E-09	1.26E-07	1.34E-07	4.93E-08	6.71E-08	2.51E-08	1.34E-07	4.93E-08
1610	494711.1	3858752	4.20E-04	4.10E-04	4.05E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.68E-08	8.42E-09	5.34E-08	8.24E-09	7.84E-09	1.25E-07	1.33E-07	4.87E-08	6.62E-08	2.47E-08	1.33E-07	4.87E-08

1611	494761.1	3858752	4.18E-04	4.08E-04	4.03E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	0.00E+00	0.00E+00	4.66E-08	8.38E-09	5.32E-08	8.20E-09	7.80E-09	1.24E-07	1.32E-07	4.84E-08	6.59E-08	2.46E-08	1.32E-07	4.84E-08
1612	494811.1	3858752	4.13E-04	4.03E-04	3.97E-04	1.43E-07	4.31E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.95E-08	0.00E+00	0.00E+00	4.60E-08	8.27E-09	5.25E-08	8.10E-09	7.70E-09	1.23E-07	1.30E-07	4.78E-08	6.50E-08	2.43E-08	1.30E-07	4.78E-08
1613	494861.1	3858752	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.26E-07	2.47E-07	2.41E-07	2.18E-07	9.96E-08	9.83E-08	0.00E+00	0.00E+00	4.54E-08	8.17E-09	5.19E-08	8.00E-09	7.61E-09	1.21E-07	1.29E-07	4.72E-08	6.42E-08	2.40E-08	1.29E-07	4.72E-08
1614	494911.1	3858752	4.02E-04	3.93E-04	3.87E-04	1.39E-07	4.21E-07	2.43E-07	2.38E-07	2.15E-07	9.83E-08	9.70E-08	0.00E+00	0.00E+00	4.48E-08	8.07E-09	5.12E-08	7.89E-09	7.51E-09	1.19E-07	1.27E-07	4.66E-08	6.34E-08	2.37E-08	1.27E-07	4.66E-08
1615	494961.1	3858752	3.99E-04	3.89E-04	3.84E-04	1.38E-07	4.17E-07	2.41E-07	2.35E-07	2.13E-07	9.74E-08	9.61E-08	0.00E+00	0.00E+00	4.44E-08	7.99E-09	5.07E-08	7.82E-09	7.44E-09	1.18E-07	1.26E-07	4.62E-08	6.28E-08	2.35E-08	1.26E-07	4.62E-08
1616	495011.1	3858752	3.95E-04	3.86E-04	3.81E-04	1.37E-07	4.13E-07	2.39E-07	2.33E-07	2.12E-07	9.66E-08	9.53E-08	0.00E+00	0.00E+00	4.40E-08	7.92E-09	5.03E-08	7.75E-09	7.38E-09	1.17E-07	1.25E-07	4.58E-08	6.23E-08	2.33E-08	1.25E-07	4.58E-08
1617	495061.1	3858752	3.91E-04	3.82E-04	3.77E-04	1.35E-07	4.09E-07	2.37E-07	2.31E-07	2.09E-07	9.55E-08	9.43E-08	0.00E+00	0.00E+00	4.35E-08	7.84E-09	4.98E-08	7.67E-09	7.30E-09	1.16E-07	1.23E-07	4.53E-08	6.16E-08	2.30E-08	1.23E-07	4.53E-08
1618	495111.1	3858752	3.87E-04	3.78E-04	3.73E-04	1.34E-07	4.05E-07	2.34E-07	2.29E-07	2.07E-07	9.45E-08	9.33E-08	0.00E+00	0.00E+00	4.31E-08	7.76E-09	4.92E-08	7.59E-09	7.22E-09	1.15E-07	1.22E-07	4.48E-08	6.10E-08	2.28E-08	1.22E-07	4.48E-08
1619	495161.1	3858752	3.84E-04	3.74E-04	3.70E-04	1.33E-07	4.01E-07	2.32E-07	2.27E-07	2.05E-07	9.37E-08	9.25E-08	0.00E+00	0.00E+00	4.27E-08	7.69E-09	4.88E-08	7.53E-09	7.16E-09	1.14E-07	1.21E-07	4.44E-08	6.05E-08	2.26E-08	1.21E-07	4.44E-08
1620	495211.1	3858752	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.29E-08	9.17E-08	0.00E+00	0.00E+00	4.23E-08	7.62E-09	4.84E-08	7.46E-09	7.10E-09	1.13E-07	1.20E-07	4.40E-08	5.99E-08	2.24E-08	1.20E-07	4.40E-08
1621	495261.1	3858752	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.25E-08	9.13E-08	0.00E+00	0.00E+00	4.22E-08	7.59E-09	4.82E-08	7.43E-09	7.07E-09	1.12E-07	1.20E-07	4.38E-08	5.97E-08	2.23E-08	1.20E-07	4.38E-08
1622	495311.1	3858752	3.77E-04	3.68E-04	3.63E-04	1.31E-07	3.94E-07	2.28E-07	2.23E-07	2.02E-07	9.21E-08	9.09E-08	0.00E+00	0.00E+00	4.20E-08	7.56E-09	4.80E-08	7.40E-09	7.04E-09	1.12E-07	1.19E-07	4.37E-08	5.94E-08	2.22E-08	1.19E-07	4.37E-08
1623	495361.1	3858752	3.75E-04	3.66E-04	3.62E-04	1.30E-07	3.92E-07	2.27E-07	2.22E-07	2.01E-07	9.17E-08	9.05E-08	0.00E+00	0.00E+00	4.18E-08	7.52E-09	4.77E-08	7.36E-09	7.01E-09	1.11E-07	1.19E-07	4.35E-08	5.91E-08	2.21E-08	1.19E-07	4.35E-08
1624	495411.1	3858752	3.75E-04	3.66E-04	3.61E-04	1.30E-07	3.92E-07	2.27E-07	2.21E-07	2.01E-07	9.15E-08	9.03E-08	0.00E+00	0.00E+00	4.17E-08	7.51E-09	4.76E-08	7.35E-09	6.99E-09	1.11E-07	1.18E-07	4.34E-08	5.90E-08	2.21E-08	1.18E-07	4.34E-08
1625	495461.1	3858752	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.11E-08	8.99E-08	0.00E+00	0.00E+00	4.15E-08	7.47E-09	4.74E-08	7.31E-09	6.96E-09	1.11E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
1626	495511.1	3858752	3.71E-04	3.62E-04	3.57E-04	1.28E-07	3.88E-07	2.24E-07	2.19E-07	1.99E-07	9.06E-08	8.94E-08	0.00E+00	0.00E+00	4.13E-08	7.43E-09	4.72E-08	7.27E-09	6.92E-09	1.10E-07	1.17E-07	4.29E-08	5.84E-08	2.18E-08	1.17E-07	4.29E-08
1627	495561.1	3858752	3.68E-04	3.60E-04	3.55E-04	1.28E-07	3.85E-07	2.23E-07	2.18E-07	1.97E-07	9.00E-08	8.88E-08	0.00E+00	0.00E+00	4.10E-08	7.38E-09	4.69E-08	7.22E-09	6.87E-09	1.09E-07	1.16E-07	4.26E-08	5.80E-08	2.17E-08	1.16E-07	4.26E-08
1628	495611.1	3858752	3.66E-04	3.57E-04	3.52E-04	1.27E-07	3.82E-07	2.21E-07	2.16E-07	1.96E-07	8.94E-08	8.82E-08	0.00E+00	0.00E+00	4.07E-08	7.33E-09	4.65E-08	7.18E-09	6.83E-09	1.09E-07	1.15E-07	4.24E-08	5.76E-08	2.15E-08	1.15E-07	4.24E-08
1629	495661.1	3858752	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	0.00E+00	0.00E+00	4.05E-08	7.30E-09	4.63E-08	7.14E-09	6.80E-09	1.08E-07	1.15E-07	4.22E-08	5.74E-08	2.14E-08	1.15E-07	4.22E-08
1630	494311.1	3858802	4.39E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.88E-08	8.79E-09	5.58E-08	8.60E-09	8.18E-09	1.30E-07	1.38E-07	5.08E-08	6.91E-08	2.58E-08	1.38E-07	5.08E-08
1631	494361.1	3858802	4.50E-04	4.39E-04	4.33E-04	1.56E-07	4.70E-07	2.72E-07	2.66E-07	2.41E-07	1.10E-07	1.08E-07	0.00E+00	0.00E+00	5.01E-08	9.01E-09	5.72E-08	8.82E-09	8.39E-09	1.33E-07	1.42E-07	5.21E-08	7.08E-08	2.65E-08	1.42E-07	5.21E-08
1632	494411.1	3858802	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.02E-08	9.03E-09	5.73E-08	8.84E-09	8.41E-09	1.34E-07	1.42E-07	5.22E-08	7.10E-08	2.65E-08	1.42E-07	5.22E-08
1633	494461.1	3858802	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.02E-08	9.03E-09	5.73E-08	8.84E-09	8.41E-09	1.34E-07	1.42E-07	5.22E-08	7.10E-08	2.65E-08	1.42E-07	5.22E-08
1634	494511.1	3858802	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.02E-08	9.04E-09	5.74E-08	8.84E-09	8.41E-09	1.34E-07	1.42E-07	5.22E-08	7.10E-08	2.65E-08	1.42E-07	5.22E-08
1635	494561.1	3858802	4.48E-04	4.37E-04	4.31E-04	1.55E-07	4.68E-07	2.71E-07	2.65E-07	2.40E-07	1.09E-07	1.08E-07	0.00E+00	0.00E+00	4.99E-08	8.98E-09	5.70E-08	8.79E-09	8.36E-09	1.33E-07	1.41E-07	5.19E-08	7.06E-08	2.64E-08	1.41E-07	5.19E-08
1636	494611.1	3858802	4.44E-04	4.34E-04	4.28E-04	1.54E-07	4.64E-07	2.69E-07	2.62E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.95E-08	8.90E-09	5.65E-08	8.71E-09	8.29E-09	1.32E-07	1.40E-07	5.14E-08	7.00E-08	2.62E-08	1.40E-07	5.14E-08
1637	494661.1	3858802	4.39E-04	4.28E-04	4.23E-04	1.52E-07	4.59E-07	2.66E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.89E-08	8.80E-09	5.58E-08	8.61E-09	8.19E-09	1.30E-07	1.39E-07	5.08E-08	6.91E-08	2.58E-08	1.39E-07	5.08E-08
1638	494711.1	3858802	4.34E-04	4.23E-04	4.17E-04	1.50E-07	4.53E-07	2.62E-07	2.56E-07	2.32E-07	1.06E-07	1.04E-07	0.00E+00	0.00E+00	4.83E-08	8.69E-09	5.51E-08	8.50E-09	8.09E-09	1.29E-07	1.37E-07	5.02E-08	6.83E-08	2.55E-08	1.37E-07	5.02E-08
1639	494761.1	3858802	4.27E-04	4.17E-04	4.11E-04	1.48E-07	4.46E-07	2.58E-07	2.52E-07	2.28E-07	1.04E-07	1.03E-07	0.00E+00	0.00E+00	4.75E-08	8.56E-09	5.43E-08	8.37E-09	7.97E-09	1.27E-07	1.35E-07	4.94E-08	6.73E-08	2.51E-08	1.35E-07	4.94E-08
1640	494811.1	3858802	4.20E-04	4.10E-04	4.05E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.68E-08	8.42E-09	5.34E-08	8.24E-09	7.84E-09	1.25E-07	1.33E-07	4.87E-08	6.62E-08	2.47E-08	1.33E-07	4.87E-08
1641	494861.1	3858802	4.16E-04	4.06E-04	4.01E-04	1.44E-07	4.35E-07	2.52E-07	2.46E-07	2.23E-07	1.02E-07	1.00E-07	0.00E+00	0.00E+00	4.63E-08	8.34E-09	5.29E-08	8.16E-09	7.76E-09	1.24E-07	1.31E-07	4.82E-08	6.56E-08	2.45E-08	1.31E-07	4.82E-08
1642	494911.1	3858802	4.11E-04	4.01E-04	3.96E-04	1.42E-07	4.30E-07	2.49E-07	2.43E-07	2.20E-07	1.00E-07	9.91E-08	0.00E+00	0.00E+00	4.58E-08	8.24E-09	5.23E-08	8.06E-09	7.67E-09	1.22E-07	1.30E-07	4.76E-08	6.48E-08	2.42E-08	1.30E-07	4.76E-08
1643	494961.1	3858802	4.07E-04	3.97E-04	3.92E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.94E-08	9.81E-08	0.00E+00	0.00E+00	4.53E-08	8.16E-09	5.18E-08	7.98E-09	7.59E-09	1.21E-07	1.28E-07	4.71E-08	6.41E-08	2.40E-08	1.28E-07	4.71E-08
1644	495011.1	3858802	4.03E-04	3.93E-04	3.88E-04	1.39E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.84E-08	9.71E-08	0.00E+00	0.00E+00	4.48E-08	8.07E-09	5.12E-08	7.90E-09	7.52E-09	1.20E-07	1.27E-07	4.66E-08	6.35E-08	2.37E-08	1.27E-07	4.66E-08
1645	495061.1	3858802	4.00E-04	3.90E-04	3.85E-04	1.38E-07	4.18E-07	2.42E-07	2.36E-07	2.14E-07	9.76E-08	9.63E-08	0.00E+00	0.00E+00	4.45E-08	8.01E-09	5.08E-08	7.84E-09	7.45E-09	1.19E-07	1.26E-07	4.62E-08	6.29E-08	2.35E-08	1.26E-07	4.62E-08
1646	495111.1	3858802	3.95E-04	3.85E-04	3.80E-04	1.37E-07	4.12E-07	2.39E-07	2.33E-07	2.11E-07	9.64E-08	9.51E-08	0.00E+00	0.00E+00	4.39E-08	7.91E-09	5.02E-08	7.74E-09	7.36E-09	1.17E-07	1.25E-07	4.57E-08	6.22E-08	2.32E-08	1.25E-07	4.57E-08
1647	495161.1	3858802	3.90E-04	3.81E-04	3.76E-04	1.35E-07	4.08E-07	2.36E-07	2.31E-07	2.09E-07	9.53E-08	9.41E-08	0.00E+00	0.00E+00	4.35E-08	7.82E-09	4.96E-08	7.66E-09	7.28E-09	1.16E-07	1.23E-07	4.52E-08	6.15E-08	2.30E-08	1.23E-07	4.52E-08
1648	495211.1	3858802	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.05E-07	2.35E-07	2.29E-07	2.08E-07	9.47E-08	9.35E-08	0.00E+00	0.00E+00	4.32E-08	7.77E-09	4.93E-08	7.61E-09	7.24E-09	1.15E-07	1.22E-07	4.49E-08	6.11E-08	2.28E-08	1.22E-07	4.49E-08
1649	495261.1	3858802	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.04E-07	2.34E-07	2.28E-07	2.07E-07	9.43E-08	9.31E-08	0.00E+00	0.00E+00	4.30E-08	7.74E-09	4.91E-08	7.57E-09	7.21E-09	1.15E-07	1.22E-07	4.47E-08	6.08E-08	2.27E-08	1.22E-07	4.47E-08
1650	495311.1	3858802	3.85E-04	3.75E-04	3.70E-04	1.33E-07	4.02E-07	2.33E-07	2.27E-07	2.06E-07	9.39E-08	9.27E-08	0.00E+00	0.00E+00	4.28E-08	7.71E-09	4.89E-08	7.54E-09	7.18E-09	1.14E-07	1.21E-07	4.45E-08	6.06E-08	2.26E-08	1.21E-07	4.45E-08
1651	495361.1	3858802	3.83E-04	3.74E-04	3.69E-04	1.33E-07	4.00E-07	2.32E-07	2.26E-07	2.05E-07	9.35E-08	9.23E-08	0.00E+00	0.00E+00	4.26E-08	7.67E-09	4.87E-08	7.51E-09	7.15E-09	1.14E-07	1.21E-07	4.43E-08	6.03E-08	2.25E-08	1.21E-07	4.43E-08
1652	495411.1	3858802	3.83E-04	3.73E-04	3.68E-04	1.32E-07	4.00E-07	2.31E-07	2.26E-07	2.05E-07	9.34E-08	9.22E-08	0.00E+00	0.00E+00	4.26E-08	7.67E-09	4.86E-08	7.50E-09	7.14E-09	1.14E-07	1.21E-07	4.43E-08	6.03E-08	2.25E-08	1.21E-07	4.43E-08
1653	495461.1	3858802	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.29E-08	9.17E-08	0.00E+00	0.00E+00	4.23E-08	7.62E-09	4.84E-08	7.46E-09	7.10E-09	1.13E-07	1.20E-07	4.40E-08	5.99E-08	2.24E-08	1.20E-07	4.40E-08
1654	495511.1	3858802	3.78E-04	3.69E-04	3.64E-04	1.31E-07	3.95E-07	2.29E-07	2.23E-07	2.03E-07	9.24E-08	9.12E-08	0.00E+00	0.00E+00	4.21E-08	7.58E-09	4.81E-08	7.42E-09	7.06E-09	1.12E-07	1.19E-07	4.38E-08	5.96E-08	2.23E-08	1.19E-07	4.38E-08
1655	495561.1	3858802	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.28E-07	2.22E-07	2.01E-07	9.19E-08	9.07E-08	0.00E+00	0.00E+00	4.19E-08	7.54E-09	4.79E-08	7.38E-09	7.02E-09	1.12E-07	1.19E-07	4.36E-08	5.93E-08	2.22E-08	1.19E-07	4.36E-08
1656	495611.1	3858802	3.73E-04	3.64E-04	3.60E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.12E-08	9.00E-08	0.00E+00	0.00E+00	4.16E-08	7.48E-09	4.75E-08	7.32E-09	6.97E-09	1.11E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
1657	495661.1	3858802	3.72E-04	3.63E-04	3.58E-04	1.29E-07	3.89E-07	2.25E-07	2.19E-07	1.99E-07	9.08E-08	8.96E-08	0.00E+00	0.00E+00	4.14E-08	7.45E-09	4.73E-08	7.29E-09	6.94E-09	1.10E-07	1.17E-07	4.30E-08	5.86E-08	2.19E-08	1.17E-07	4.30E-08
1658	494311.1	3858852	4.61E-04	4.49E-04	4.43E-04	1.59E-07	4.81E-07	2.79E-07	2.72E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	5.13E-08	9.23E-09	5.86E-08	9.03E-09	8.59E-09	1.37E-07	1.45E-07	5.33E-08	7.25E-08	2.71E-08	1.45E-07	5.33E-08
1659	494361.1	3858852	4.66E-04	4.55E-04	4.49E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.50E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	5.19E-08	9.35E-09	5.93E-08	9.15E-09	8.70E-09	1.38E-07	1.47E-07	5.40E-08	7.35E-08	2.75E-08	1.47E-07	5.40E-08
1660	494411.1	3858852	4.64E-04	4.53E-04	4.47E-04	1.61E-07	4.85E-07	2.81E-07	2.74E-07	2.48E-07	1.13E-07	1.12E-07	0.00E+00	0.00E+00	5.16E-08	9.30E-09	5.90E-08	9.10E-09	8.65E-09	1.38E-07	1.46E-07	5.37E-08	7.31E-08	2.73E-08	1.46E-07	5.37E-08
1661	494461.1	3858852	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	0.00E+00	0.00E+00	5.14E-08	9.26E-09	5.88E-08	9.06E-09	8.62E-09	1.37E-07	1.46E-07	5.35E-08	7.28E-08	2.72E-08	1.46E-07	5.35E-08
1662	494511.1	3858852	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	0.00E+00	0.00E+00	5.14E-08	9.26E-09	5.88E-08	9.06E-09	8.62E-09	1.37E-07	1.46E-07	5.35E-08	7.28E-08	2.72E-08	1.46E-07	5.35E-08
1663	494561.1	3858852	4.59E-04	4.48E-04	4.42E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	5.11E-08	9.20E-09	5.84E-08	9.00E-09	8.56E-09	1.36E-07	1.45E-07	5.31E-08	7.23E-08	2.70E-08	1.45E-07	5.31E-08
1664	494611.1	3858852	4.54E-04	4.43E-04	4.37E-04	1.57E-07	4.75E-07	2.75E-07	2.68E-07	2.43E-07	1.11E-07	1.09E-07	0.00E+00	0.00E+00	5.06E-08	9.10E-09	5.78E-08	8.91E-09	8.48E-09	1.35E-07	1.43E-07	5.26E-08	7.16E-08	2.67E-08	1.43E-07	5.26E-08
1665	494661.1	3858852	4.49E-04	4.38E-04	4.32E-04	1.55E-07	4.69E-07	2.72E-07	2.65E-07	2.40E-07	1.10E-07	1.08E-07	0.00E+00	0.00E+00	5.00E-08	9.00E-09	5.71E-08	8.80E-09	8.38E-09	1.33E-07	1.42E-07	5.20E-08	7.07E-08	2.64E-08	1.42E-07	5.20E-08
1666	494711.1	3858852	4.42E-04	4.31E-04	4.25E-04	1.53E-07	4.62E-07	2.67E-07	2.61E-07	2.36E-07	1.08E-07	1.06E-07	0.00E+00	0.00E+00	4.92E-08	8.86E-09	5.62E-08	8.66E-09	8.24E-09	1.31E-07	1.39E-07	5.11E-08	6.96E-08	2.60E-08	1.39E-07	5.11E-08
1667	494761.1	3858852	4.35E-04	4.25E-04	4.19E-04	1.51E-07	4.55E-07	2.63E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.84E-08	8.72E-09	5.53E-08	8.53E-09	8.12E-09	1.29E-07	1.37E-07	5.04E-08	6.86E-08	2.56E-08	1.37E-07	5.04E-08
1668	494811.1	3858852	4.30E-04	4.20E-04	4.14E-04	1.49E-07	4.50E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.79E-08	8.62E-09	5.47E-08	8.44E-09	8.03E-09	1.28E-07	1.36E-07	4.98E-08	6.78E-08	2.53E-08	1.36E-07	4.98E-08
1669	494861.1	3858852	4.26E-04	4.16E-04	4.10E-04	1.47E-07	4.45E-07	2.58E-07	2.52E-07	2.28E-07	1.04E-07	1.03E-07	0.00E+00	0.00E+00	4.74E-08	8.54E-09	5.42E-08	8.36E-09	7.95E-09	1.26E-07	1.34E-07	4.93E-08	6.71E-08	2.51E-08	1.34E-07	4.93E-08
1670	494911.1	3858852	4.20E-04	4.10E-04	4.05E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.68E-08	8.42E-09	5.34E-08	8.24E-09	7.84E-09	1.25E-07	1.33E-07	4.87E-08	6.62E-08	2.47E-08	1.33E-07	4.87E-08
1671	494961.1	3858852	4.16E-04	4.06E-04	4.01E-04	1.44E-07	4.35E-07	2.52E-07	2.46E-07	2.23E-07	1.02E-07	1.00E-07	0.00E+00	0.00E+00	4.63E-08	8.34E-09	5.29E-08	8.16E-09	7.76E-09	1.24E-07	1.31E-07	4.82E-08	6.56E-08	2.45E-08	1.31E-07	4.82E-08
1672	495011.1	3858852	4.12E-04	4.02E-04	3.97E-04	1.43E-07	4.31E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.93E-08	0.00E+00	0.00E+00	4.59E-08	8.26E-09	5.24E-08	8.08E-09	7.69E-09	1.22E-07	1.30E-07	4.77E-08	6.49E-08	2.43E-08	1.30E-07	4.77E-08
1673	495061.1	3858852	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.26E-07	2.47E-07	2.41E-07	2.18E-07	9.96E-08	9.83E-08	0.00E+00	0.00E+00	4.54E-08	8.17E-09	5.19E-08	8.00E-09	7.61E-09	1.21E-07	1.29E-07	4.72E-08	6.42E-08	2.40E-08	1.29E-07	4.72E-08
1674	495111.1	3858852	4.01E-04	3.91E-04	3.86E-04	1.39E-07	4.19E-07	2.43E-07	2.37E-07	2.15E-07	9.80E-08	9.67E-08	0.00E+00	0.00E+00	4.47E-08	8.04E-09	5.10E-08	7.87E-09	7.49E-09	1.19E-07	1.27E-07	4.64E-08	6.32E-08	2.36E-08	1.27E-07	4.64E-08
1675	495161.1	3858852	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.13E-07	9.70E-08	9.57E-08	0.00E+00	0.00E+00	4.42E-08	7.96E-09	5.05E-08	7.79E-09	7.41E-09	1.18E-07	1.25E-07	4.60E-08	6.25E-08	2.34E-08	1.25E-07	4.60E-08
1676	495211.1	3858852	3.96E-04	3.87E-04	3.81E-04	1.37E-07	4.14E-07	2.40E-07	2.34E-07	2.12E-07	9.68E-08	9.55E-08	0.00E+00	0.00E+00	4.41E-08	7.94E-09	5.04E-08	7.77E-09	7.39E-09	1.18E-07	1.25E-07	4.59E-08	6.24E-08	2.33E-08	1.25E-07	4.59E-08
1677	495261.1	3858852	3.95E-04	3.85E-04	3.80E-04	1.37E-07	4.12E-07	2.39E-07	2.33E-07	2.11E-07	9.64E-08	9.51E-08	0.00E+00	0.00E+00	4.39E-08	7.91E-09	5.02E-08	7.74E-09	7.36E-09	1.17E-07	1.25E-07	4.57E-08	6.22E-08	2.32E-08	1.25E-07	4.57E-08
1678	495311.1	3858852	3.93E-04	3.83E-04	3.78E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.10E-07	9.60E-08	9.47E-08	0.00E+00	0.00E+00	4.37E-08	7.87E-09	5.00E-08	7.70E-09	7.33E-09	1.17E-07	1.24E-07	4.55E-08	6.19E-08	2.31E-08	1.24E-07	4.55E-08
1679	495361.1	3858852	3.91E-04	3.82E-04	3.77E-04	1.35E-07	4.09E-07	2.37E-07	2.31E-07	2.09E-07	9.55E-08	9.43E-08	0.00E+00	0.00E+00	4.35E-08	7.84E-09	4.98E-08	7.67E-09	7.30E-09	1.16E-07	1.23E-07	4.53E-08	6.16E-08	2.30E-08	1.23E-07	4.53E-08
1680	495411.1	3858852	3.90E-04	3.80E-04	3.75E-04	1.35E-07	4.07E-07	2.36E-07	2.30E-07	2.09E-07	9.51E-08	9.39E-08	0.00E+00	0.00E+00	4.34E-08	7.81E-09	4.95E-08	7.64E-09	7.27E-09	1.16E-07	1.23E-07	4.51E-08	6.14E-08	2.29E-08	1.23E-07	4.51E-08
1681	495461.1	3858852	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.06E-07	2.35E-07	2.29E-07	2.08E-07	9.48E-08	9.36E-08	0.00E+00	0.00E+00	4.32E-08	7.78E-09	4.94E-08	7.62E-09	7.25E-09	1.15E-07	1.23E-07	4.50E-08	6.12E-08	2.29E-08	1.23E-07	4.50E-08
1682	495511.1	3858852	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.03E-07	2.33E-07	2.28E-07	2.07E-07	9.42E-08	9.30E-08	0.00E+00	0.00E+00	4.29E-08	7.73E-09	4.91E-08	7.57E-09	7.20E-09	1.15E-07	1.22E-07	4.47E-08	6.08E-08	2.27E-08	1.22E-07	4.47E-08
1683	495561.1	3858852	3.83E-04	3.74E-04	3.69E-04	1.33E-07	4.00E-07	2.32E-07	2.26E-07	2.05E-07	9.35E-08	9.23E-08	0.00E+00	0.00E+00	4.26E-08	7.67E-09	4.87E-08	7.51E-09	7.15E-09	1.14E-07	1.21E-07	4.43E-08	6.03E-08	2.25E-08	1.21E-07	4.43E-08
1684	495611.1	3858852	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.28E-08	9.16E-08	0.00E+00	0.00E+00	4.23E-08	7.62E-09	4.83E-08	7.45E-09	7.09E-09	1.13E-07	1.20E-07	4.40E-08	5.99E-08	2.24E-08	1.20E-07	4.40E-08
1685	495661.1	3858852	3.78E-04	3.69E-04	3.64E-04	1.31E-07	3.95E-07	2.29E-07	2.23E-07	2.03E-07	9.24E-08	9.12E-08	0.00E+00	0.00E+00	4.21E-08	7.58E-09	4.81E-08	7.42E-09	7.06E-09	1.12E-07	1.19E-07	4.38E-08	5.96E-08	2.23E-08	1.19E-07	4.38E-08
1686	494311.1	3858902	4.75E-04	4.64E-04	4.57E-04	1.64E-07	4.97E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	0.00E+00	0.00E+00	5.29E-08	9.52E-09	6.04E-08	9.32E-09	8.86E-09	1.41E-07	1.50E-07	5.50E-08	7.48E-08	2.80E-08	1.50E-07	5.50E-08
1687	494361.1	3858902	4.79E-04	4.67E-04	4.61E-04	1.66E-07	5.00E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.33E-08	9.60E-09	6.09E-08	9.39E-09	8.93E-09	1.42E-07	1.51E-07	5.54E-08	7.54E-08	2.82E-08	1.51E-07	5.54E-08

1688	494411.1	3858902	4.77E-04	4.66E-04	4.59E-04	1.65E-07	4.99E-07	2.89E-07	2.82E-07	2.55E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.31E-08	9.56E-09	6.07E-08	9.36E-09	8.90E-09	1.42E-07	1.51E-07	5.52E-08	7.52E-08	2.81E-08	1.51E-07	5.52E-08
1689	494461.1	3858902	4.78E-04	4.66E-04	4.60E-04	1.65E-07	4.99E-07	2.89E-07	2.82E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.32E-08	9.57E-09	6.07E-08	9.36E-09	8.91E-09	1.42E-07	1.51E-07	5.53E-08	7.52E-08	2.81E-08	1.51E-07	5.53E-08
1690	494511.1	3858902	4.75E-04	4.64E-04	4.58E-04	1.65E-07	4.97E-07	2.88E-07	2.81E-07	2.54E-07	1.16E-07	1.15E-07	0.00E+00	0.00E+00	5.29E-08	9.53E-09	6.05E-08	9.32E-09	8.87E-09	1.41E-07	1.50E-07	5.50E-08	7.49E-08	2.80E-08	1.50E-07	5.50E-08
1691	494561.1	3858902	4.70E-04	4.59E-04	4.53E-04	1.63E-07	4.92E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.13E-07	0.00E+00	0.00E+00	5.24E-08	9.43E-09	5.98E-08	9.23E-09	8.78E-09	1.40E-07	1.48E-07	5.45E-08	7.41E-08	2.77E-08	1.48E-07	5.45E-08
1692	494611.1	3858902	4.63E-04	4.52E-04	4.46E-04	1.60E-07	4.84E-07	2.80E-07	2.74E-07	2.48E-07	1.13E-07	1.12E-07	0.00E+00	0.00E+00	5.16E-08	9.29E-09	5.89E-08	9.09E-09	8.65E-09	1.38E-07	1.46E-07	5.36E-08	7.30E-08	2.73E-08	1.46E-07	5.36E-08
1693	494661.1	3858902	4.59E-04	4.48E-04	4.42E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	5.11E-08	9.20E-09	5.84E-08	9.00E-09	8.56E-09	1.36E-07	1.45E-07	5.31E-08	7.23E-08	2.70E-08	1.45E-07	5.31E-08
1694	494711.1	3858902	4.52E-04	4.41E-04	4.35E-04	1.57E-07	4.73E-07	2.74E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.03E-08	9.06E-09	5.75E-08	8.87E-09	8.44E-09	1.34E-07	1.43E-07	5.23E-08	7.12E-08	2.66E-08	1.43E-07	5.23E-08
1695	494761.1	3858902	4.45E-04	4.34E-04	4.28E-04	1.54E-07	4.65E-07	2.69E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.95E-08	8.91E-09	5.66E-08	8.72E-09	8.30E-09	1.32E-07	1.40E-07	5.15E-08	7.01E-08	2.62E-08	1.40E-07	5.15E-08
1696	494811.1	3858902	4.40E-04	4.29E-04	4.23E-04	1.52E-07	4.60E-07	2.66E-07	2.60E-07	2.35E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.90E-08	8.81E-09	5.59E-08	8.62E-09	8.21E-09	1.31E-07	1.39E-07	5.09E-08	6.93E-08	2.59E-08	1.39E-07	5.09E-08
1697	494861.1	3858902	4.36E-04	4.25E-04	4.20E-04	1.51E-07	4.56E-07	2.64E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.85E-08	8.74E-09	5.55E-08	8.55E-09	8.14E-09	1.29E-07	1.38E-07	5.05E-08	6.87E-08	2.57E-08	1.38E-07	5.05E-08
1698	494911.1	3858902	4.29E-04	4.18E-04	4.13E-04	1.48E-07	4.48E-07	2.59E-07	2.53E-07	2.29E-07	1.05E-07	1.03E-07	0.00E+00	0.00E+00	4.77E-08	8.59E-09	5.45E-08	8.40E-09	8.00E-09	1.27E-07	1.35E-07	4.96E-08	6.75E-08	2.52E-08	1.35E-07	4.96E-08
1699	494961.1	3858902	4.24E-04	4.14E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.27E-07	1.04E-07	1.02E-07	0.00E+00	0.00E+00	4.72E-08	8.51E-09	5.40E-08	8.32E-09	7.92E-09	1.26E-07	1.34E-07	4.91E-08	6.69E-08	2.50E-08	1.34E-07	4.91E-08
1700	495011.1	3858902	4.20E-04	4.10E-04	4.05E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.68E-08	8.42E-09	5.34E-08	8.24E-09	7.84E-09	1.25E-07	1.33E-07	4.87E-08	6.62E-08	2.47E-08	1.33E-07	4.87E-08
1701	495061.1	3858902	4.14E-04	4.04E-04	3.99E-04	1.43E-07	4.33E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	9.99E-08	0.00E+00	0.00E+00	4.61E-08	8.31E-09	5.27E-08	8.13E-09	7.73E-09	1.23E-07	1.31E-07	4.80E-08	6.53E-08	2.44E-08	1.31E-07	4.80E-08
1702	495111.1	3858902	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.26E-07	2.47E-07	2.41E-07	2.18E-07	9.96E-08	9.83E-08	0.00E+00	0.00E+00	4.54E-08	8.17E-09	5.19E-08	8.00E-09	7.61E-09	1.21E-07	1.29E-07	4.72E-08	6.42E-08	2.40E-08	1.29E-07	4.72E-08
1703	495161.1	3858902	4.05E-04	3.95E-04	3.89E-04	1.40E-07	4.23E-07	2.45E-07	2.39E-07	2.17E-07	9.88E-08	9.75E-08	0.00E+00	0.00E+00	4.50E-08	8.11E-09	5.14E-08	7.93E-09	7.55E-09	1.20E-07	1.28E-07	4.68E-08	6.37E-08	2.38E-08	1.28E-07	4.68E-08
1704	495211.1	3858902	4.05E-04	3.95E-04	3.89E-04	1.40E-07	4.23E-07	2.45E-07	2.39E-07	2.17E-07	9.88E-08	9.75E-08	0.00E+00	0.00E+00	4.50E-08	8.11E-09	5.14E-08	7.93E-09	7.55E-09	1.20E-07	1.28E-07	4.68E-08	6.37E-08	2.38E-08	1.28E-07	4.68E-08
1705	495261.1	3858902	4.03E-04	3.93E-04	3.88E-04	1.39E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.84E-08	9.71E-08	0.00E+00	0.00E+00	4.48E-08	8.07E-09	5.12E-08	7.90E-09	7.52E-09	1.20E-07	1.27E-07	4.66E-08	6.35E-08	2.37E-08	1.27E-07	4.66E-08
1706	495311.1	3858902	4.01E-04	3.91E-04	3.86E-04	1.39E-07	4.19E-07	2.42E-07	2.37E-07	2.15E-07	9.79E-08	9.66E-08	0.00E+00	0.00E+00	4.46E-08	8.03E-09	5.10E-08	7.86E-09	7.48E-09	1.19E-07	1.26E-07	4.64E-08	6.31E-08	2.36E-08	1.26E-07	4.64E-08
1707	495361.1	3858902	3.99E-04	3.89E-04	3.84E-04	1.38E-07	4.17E-07	2.41E-07	2.35E-07	2.13E-07	9.74E-08	9.61E-08	0.00E+00	0.00E+00	4.44E-08	7.99E-09	5.07E-08	7.82E-09	7.44E-09	1.18E-07	1.26E-07	4.62E-08	6.28E-08	2.35E-08	1.26E-07	4.62E-08
1708	495411.1	3858902	3.98E-04	3.88E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.72E-08	9.59E-08	0.00E+00	0.00E+00	4.43E-08	7.97E-09	5.06E-08	7.80E-09	7.42E-09	1.18E-07	1.26E-07	4.61E-08	6.27E-08	2.34E-08	1.26E-07	4.61E-08
1709	495461.1	3858902	3.96E-04	3.86E-04	3.81E-04	1.37E-07	4.14E-07	2.39E-07	2.34E-07	2.12E-07	9.67E-08	9.54E-08	0.00E+00	0.00E+00	4.41E-08	7.93E-09	5.03E-08	7.76E-09	7.39E-09	1.17E-07	1.25E-07	4.58E-08	6.24E-08	2.33E-08	1.25E-07	4.58E-08
1710	495511.1	3858902	3.93E-04	3.83E-04	3.78E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.10E-07	9.60E-08	9.47E-08	0.00E+00	0.00E+00	4.37E-08	7.87E-09	5.00E-08	7.70E-09	7.33E-09	1.17E-07	1.24E-07	4.55E-08	6.19E-08	2.31E-08	1.24E-07	4.55E-08
1711	495561.1	3858902	3.90E-04	3.81E-04	3.76E-04	1.35E-07	4.08E-07	2.36E-07	2.31E-07	2.09E-07	9.53E-08	9.41E-08	0.00E+00	0.00E+00	4.35E-08	7.82E-09	4.96E-08	7.66E-09	7.28E-09	1.16E-07	1.23E-07	4.52E-08	6.15E-08	2.30E-08	1.23E-07	4.52E-08
1712	495611.1	3858902	3.87E-04	3.78E-04	3.73E-04	1.34E-07	4.05E-07	2.34E-07	2.29E-07	2.07E-07	9.46E-08	9.34E-08	0.00E+00	0.00E+00	4.31E-08	7.77E-09	4.93E-08	7.60E-09	7.23E-09	1.15E-07	1.22E-07	4.49E-08	6.10E-08	2.28E-08	1.22E-07	4.49E-08
1713	495661.1	3858902	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.04E-07	2.34E-07	2.28E-07	2.07E-07	9.43E-08	9.31E-08	0.00E+00	0.00E+00	4.30E-08	7.74E-09	4.91E-08	7.57E-09	7.21E-09	1.15E-07	1.22E-07	4.47E-08	6.08E-08	2.27E-08	1.22E-07	4.47E-08
1714	494311.1	3858952	4.93E-04	4.81E-04	4.75E-04	1.71E-07	5.16E-07	2.98E-07	2.91E-07	2.64E-07	1.20E-07	1.19E-07	0.00E+00	0.00E+00	5.49E-08	9.89E-09	6.27E-08	9.67E-09	9.20E-09	1.46E-07	1.56E-07	5.71E-08	7.77E-08	2.90E-08	1.56E-07	5.71E-08
1715	494361.1	3858952	4.93E-04	4.81E-04	4.75E-04	1.71E-07	5.16E-07	2.98E-07	2.91E-07	2.64E-07	1.20E-07	1.19E-07	0.00E+00	0.00E+00	5.49E-08	9.89E-09	6.27E-08	9.67E-09	9.20E-09	1.46E-07	1.56E-07	5.71E-08	7.77E-08	2.90E-08	1.56E-07	5.71E-08
1716	494411.1	3858952	4.89E-04	4.77E-04	4.71E-04	1.69E-07	5.11E-07	2.96E-07	2.89E-07	2.62E-07	1.19E-07	1.18E-07	0.00E+00	0.00E+00	5.44E-08	9.80E-09	6.22E-08	9.59E-09	9.13E-09	1.45E-07	1.54E-07	5.66E-08	7.71E-08	2.88E-08	1.54E-07	5.66E-08
1717	494461.1	3858952	4.90E-04	4.78E-04	4.72E-04	1.70E-07	5.12E-07	2.96E-07	2.89E-07	2.62E-07	1.20E-07	1.18E-07	0.00E+00	0.00E+00	5.45E-08	9.82E-09	6.23E-08	9.61E-09	9.14E-09	1.45E-07	1.55E-07	5.67E-08	7.72E-08	2.88E-08	1.55E-07	5.67E-08
1718	494511.1	3858952	4.87E-04	4.75E-04	4.69E-04	1.68E-07	5.09E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	0.00E+00	0.00E+00	5.42E-08	9.75E-09	6.19E-08	9.54E-09	9.08E-09	1.44E-07	1.54E-07	5.63E-08	7.67E-08	2.86E-08	1.54E-07	5.63E-08
1719	494561.1	3858952	4.82E-04	4.70E-04	4.64E-04	1.67E-07	5.03E-07	2.91E-07	2.84E-07	2.58E-07	1.18E-07	1.16E-07	0.00E+00	0.00E+00	5.36E-08	9.65E-09	6.13E-08	9.45E-09	8.99E-09	1.43E-07	1.52E-07	5.58E-08	7.59E-08	2.84E-08	1.52E-07	5.58E-08
1720	494611.1	3858952	4.75E-04	4.64E-04	4.58E-04	1.65E-07	4.97E-07	2.88E-07	2.81E-07	2.54E-07	1.16E-07	1.15E-07	0.00E+00	0.00E+00	5.29E-08	9.53E-09	6.05E-08	9.32E-09	8.87E-09	1.41E-07	1.50E-07	5.50E-08	7.49E-08	2.80E-08	1.50E-07	5.50E-08
1721	494661.1	3858952	4.69E-04	4.57E-04	4.51E-04	1.62E-07	4.90E-07	2.84E-07	2.77E-07	2.51E-07	1.14E-07	1.13E-07	0.00E+00	0.00E+00	5.22E-08	9.40E-09	5.96E-08	9.19E-09	8.75E-09	1.39E-07	1.48E-07	5.43E-08	7.39E-08	2.76E-08	1.48E-07	5.43E-08
1722	494711.1	3858952	4.61E-04	4.50E-04	4.44E-04	1.60E-07	4.82E-07	2.79E-07	2.72E-07	2.47E-07	1.13E-07	1.11E-07	0.00E+00	0.00E+00	5.14E-08	9.25E-09	5.87E-08	9.05E-09	8.61E-09	1.37E-07	1.46E-07	5.34E-08	7.27E-08	2.72E-08	1.46E-07	5.34E-08
1723	494761.1	3858952	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	0.00E+00	0.00E+00	5.07E-08	9.12E-09	5.79E-08	8.93E-09	8.49E-09	1.35E-07	1.44E-07	5.27E-08	7.17E-08	2.68E-08	1.44E-07	5.27E-08
1724	494811.1	3858952	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.02E-08	9.03E-09	5.73E-08	8.84E-09	8.41E-09	1.34E-07	1.42E-07	5.22E-08	7.10E-08	2.65E-08	1.42E-07	5.22E-08
1725	494861.1	3858952	4.46E-04	4.35E-04	4.29E-04	1.54E-07	4.66E-07	2.70E-07	2.63E-07	2.39E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.96E-08	8.94E-09	5.67E-08	8.75E-09	8.32E-09	1.32E-07	1.41E-07	5.16E-08	7.03E-08	2.63E-08	1.41E-07	5.16E-08
1726	494911.1	3858952	4.40E-04	4.30E-04	4.24E-04	1.52E-07	4.60E-07	2.66E-07	2.60E-07	2.36E-07	1.08E-07	1.06E-07	0.00E+00	0.00E+00	4.90E-08	8.82E-09	5.60E-08	8.63E-09	8.21E-09	1.31E-07	1.39E-07	5.10E-08	6.93E-08	2.59E-08	1.39E-07	5.10E-08
1727	494961.1	3858952	4.36E-04	4.25E-04	4.20E-04	1.51E-07	4.56E-07	2.64E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.85E-08	8.74E-09	5.55E-08	8.55E-09	8.14E-09	1.29E-07	1.38E-07	5.05E-08	6.87E-08	2.57E-08	1.38E-07	5.05E-08
1728	495011.1	3858952	4.28E-04	4.18E-04	4.12E-04	1.48E-07	4.48E-07	2.59E-07	2.53E-07	2.29E-07	1.05E-07	1.03E-07	0.00E+00	0.00E+00	4.77E-08	8.58E-09	5.44E-08	8.40E-09	7.99E-09	1.27E-07	1.35E-07	4.96E-08	6.74E-08	2.52E-08	1.35E-07	4.96E-08
1729	495061.1	3858952	4.20E-04	4.10E-04	4.05E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.68E-08	8.42E-09	5.34E-08	8.24E-09	7.84E-09	1.25E-07	1.33E-07	4.87E-08	6.62E-08	2.47E-08	1.33E-07	4.87E-08
1730	495111.1	3858952	4.14E-04	4.04E-04	3.99E-04	1.43E-07	4.33E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	9.99E-08	0.00E+00	0.00E+00	4.61E-08	8.31E-09	5.27E-08	8.13E-09	7.73E-09	1.23E-07	1.31E-07	4.80E-08	6.53E-08	2.44E-08	1.31E-07	4.80E-08
1731	495161.1	3858952	4.15E-04	4.05E-04	4.00E-04	1.44E-07	4.34E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	1.00E-07	0.00E+00	0.00E+00	4.62E-08	8.32E-09	5.28E-08	8.14E-09	7.75E-09	1.23E-07	1.31E-07	4.81E-08	6.54E-08	2.44E-08	1.31E-07	4.81E-08
1732	495211.1	3858952	4.14E-04	4.04E-04	3.98E-04	1.43E-07	4.32E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.97E-08	0.00E+00	0.00E+00	4.60E-08	8.29E-09	5.26E-08	8.11E-09	7.72E-09	1.23E-07	1.31E-07	4.79E-08	6.52E-08	2.43E-08	1.31E-07	4.79E-08
1733	495261.1	3858952	4.12E-04	4.02E-04	3.96E-04	1.42E-07	4.30E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.92E-08	0.00E+00	0.00E+00	4.58E-08	8.25E-09	5.23E-08	8.07E-09	7.68E-09	1.22E-07	1.30E-07	4.76E-08	6.48E-08	2.42E-08	1.30E-07	4.76E-08
1734	495311.1	3858952	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.27E-07	2.47E-07	2.41E-07	2.19E-07	9.97E-08	9.84E-08	0.00E+00	0.00E+00	4.54E-08	8.18E-09	5.19E-08	8.01E-09	7.62E-09	1.21E-07	1.29E-07	4.73E-08	6.43E-08	2.40E-08	1.29E-07	4.73E-08
1735	495361.1	3858952	4.07E-04	3.97E-04	3.92E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.94E-08	9.81E-08	0.00E+00	0.00E+00	4.53E-08	8.16E-09	5.18E-08	7.98E-09	7.59E-09	1.21E-07	1.28E-07	4.71E-08	6.41E-08	2.40E-08	1.28E-07	4.71E-08
1736	495411.1	3858952	4.06E-04	3.96E-04	3.91E-04	1.40E-07	4.24E-07	2.46E-07	2.40E-07	2.17E-07	9.91E-08	9.78E-08	0.00E+00	0.00E+00	4.52E-08	8.13E-09	5.16E-08	7.96E-09	7.57E-09	1.20E-07	1.28E-07	4.70E-08	6.39E-08	2.39E-08	1.28E-07	4.70E-08
1737	495461.1	3858952	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.45E-07	2.39E-07	2.16E-07	9.87E-08	9.74E-08	0.00E+00	0.00E+00	4.50E-08	8.10E-09	5.14E-08	7.92E-09	7.54E-09	1.20E-07	1.28E-07	4.68E-08	6.37E-08	2.38E-08	1.28E-07	4.68E-08
1738	495511.1	3858952	4.02E-04	3.93E-04	3.87E-04	1.39E-07	4.21E-07	2.43E-07	2.38E-07	2.15E-07	9.83E-08	9.70E-08	0.00E+00	0.00E+00	4.48E-08	8.07E-09	5.12E-08	7.89E-09	7.51E-09	1.19E-07	1.27E-07	4.66E-08	6.34E-08	2.37E-08	1.27E-07	4.66E-08
1739	495561.1	3858952	3.98E-04	3.89E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.73E-08	9.60E-08	0.00E+00	0.00E+00	4.43E-08	7.98E-09	5.06E-08	7.81E-09	7.43E-09	1.18E-07	1.26E-07	4.61E-08	6.27E-08	2.34E-08	1.26E-07	4.61E-08
1740	495611.1	3858952	3.95E-04	3.85E-04	3.80E-04	1.37E-07	4.13E-07	2.39E-07	2.33E-07	2.11E-07	9.65E-08	9.52E-08	0.00E+00	0.00E+00	4.40E-08	7.92E-09	5.02E-08	7.75E-09	7.37E-09	1.17E-07	1.25E-07	4.57E-08	6.22E-08	2.33E-08	1.25E-07	4.57E-08
1741	495661.1	3858952	3.94E-04	3.85E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.33E-07	2.11E-07	9.63E-08	9.50E-08	0.00E+00	0.00E+00	4.39E-08	7.90E-09	5.01E-08	7.73E-09	7.35E-09	1.17E-07	1.24E-07	4.56E-08	6.21E-08	2.32E-08	1.24E-07	4.56E-08
1742	494311.1	3859002	5.09E-04	4.97E-04	4.91E-04	1.76E-07	5.33E-07	3.08E-07	3.01E-07	2.73E-07	1.24E-07	1.23E-07	0.00E+00	0.00E+00	5.67E-08	1.02E-08	6.48E-08	9.99E-09	9.51E-09	1.51E-07	1.61E-07	5.90E-08	8.03E-08	3.00E-08	1.61E-07	5.90E-08
1743	494361.1	3859002	5.07E-04	4.95E-04	4.88E-04	1.75E-07	5.30E-07	3.07E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.64E-08	1.02E-08	6.45E-08	9.94E-09	9.46E-09	1.50E-07	1.60E-07	5.87E-08	7.99E-08	2.98E-08	1.60E-07	5.87E-08
1744	494411.1	3859002	5.06E-04	4.94E-04	4.87E-04	1.75E-07	5.29E-07	3.06E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.63E-08	1.01E-08	6.44E-08	9.93E-09	9.44E-09	1.50E-07	1.60E-07	5.86E-08	7.97E-08	2.98E-08	1.60E-07	5.86E-08
1745	494461.1	3859002	5.03E-04	4.91E-04	4.84E-04	1.74E-07	5.26E-07	3.04E-07	2.97E-07	2.69E-07	1.23E-07	1.21E-07	0.00E+00	0.00E+00	5.60E-08	1.01E-08	6.39E-08	9.86E-09	9.38E-09	1.49E-07	1.59E-07	5.82E-08	7.92E-08	2.96E-08	1.59E-07	5.82E-08
1746	494511.1	3859002	4.99E-04	4.87E-04	4.81E-04	1.73E-07	5.22E-07	3.02E-07	2.95E-07	2.67E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.56E-08	1.00E-08	6.35E-08	9.79E-09	9.31E-09	1.48E-07	1.58E-07	5.78E-08	7.86E-08	2.94E-08	1.58E-07	5.78E-08
1747	494561.1	3859002	4.92E-04	4.81E-04	4.74E-04	1.70E-07	5.15E-07	2.98E-07	2.91E-07	2.64E-07	1.20E-07	1.19E-07	0.00E+00	0.00E+00	5.48E-08	9.87E-09	6.26E-08	9.66E-09	9.19E-09	1.46E-07	1.55E-07	5.70E-08	7.76E-08	2.90E-08	1.55E-07	5.70E-08
1748	494611.1	3859002	4.87E-04	4.75E-04	4.69E-04	1.68E-07	5.09E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	0.00E+00	0.00E+00	5.42E-08	9.75E-09	6.19E-08	9.54E-09	9.08E-09	1.44E-07	1.54E-07	5.63E-08	7.67E-08	2.86E-08	1.54E-07	5.63E-08
1749	494661.1	3859002	4.79E-04	4.68E-04	4.61E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.33E-08	9.60E-09	6.09E-08	9.40E-09	8.94E-09	1.42E-07	1.51E-07	5.55E-08	7.55E-08	2.82E-08	1.51E-07	5.55E-08
1750	494711.1	3859002	4.71E-04	4.60E-04	4.54E-04	1.63E-07	4.93E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.14E-07	0.00E+00	0.00E+00	5.25E-08	9.45E-09	5.99E-08	9.24E-09	8.79E-09	1.40E-07	1.49E-07	5.46E-08	7.42E-08	2.77E-08	1.49E-07	5.46E-08
1751	494761.1	3859002	4.66E-04	4.55E-04	4.49E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.50E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	5.19E-08	9.35E-09	5.93E-08	9.15E-09	8.70E-09	1.38E-07	1.47E-07	5.40E-08	7.35E-08	2.75E-08	1.47E-07	5.40E-08
1752	494811.1	3859002	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	0.00E+00	0.00E+00	5.14E-08	9.26E-09	5.88E-08	9.06E-09	8.62E-09	1.37E-07	1.46E-07	5.35E-08	7.28E-08	2.72E-08	1.46E-07	5.35E-08
1753	494861.1	3859002	4.56E-04	4.45E-04	4.39E-04	1.58E-07	4.77E-07	2.76E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	0.00E+00	0.00E+00	5.08E-08	9.15E-09	5.80E-08	8.95E-09	8.52E-09	1.35E-07	1.44E-07	5.28E-08	7.19E-08	2.69E-08	1.44E-07	5.28E-08
1754	494911.1	3859002	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.02E-08	9.03E-09	5.73E-08	8.84E-09	8.41E-09	1.34E-07	1.42E-07	5.22E-08	7.10E-08	2.65E-08	1.42E-07	5.22E-08
1755	494961.1	3859002	4.45E-04	4.34E-04	4.28E-04	1.54E-07	4.65E-07	2.69E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.95E-08	8.91E-09	5.66E-08	8.72E-09	8.30E-09	1.32E-07	1.40E-07	5.15E-08	7.01E-08	2.62E-08	1.40E-07	5.15E-08
1756	495011.1	3859002	4.32E-04	4.21E-04	4.16E-04	1.50E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.81E-08	8.66E-09	5.49E-08	8.47E-09	8.06E-09	1.28E-07	1.36E-07	5.00E-08	6.80E-08	2.54E-08	1.36E-07	5.00E-08
1757	495061.1	3859002	4.29E-04	4.18E-04	4.13E-04	1.48E-07	4.48E-07	2.59E-07	2.53E-07	2.29E-07	1.05E-07	1.03E-07	0.00E+00	0.00E+00	4.77E-08	8.59E-09	5.45E-08	8.40E-09	8.00E-09	1.27E-07	1.35E-07	4.96E-08	6.75E-08	2.52E-08	1.35E-07	4.96E-08
1758	495111.1	3859002	4.23E-04	4.13E-04	4.07E-04	1.46E-07	4.42E-07	2.56E-07	2.50E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.71E-08	8.47E-09	5.38E-08	8.29E-09	7.89E-09	1.25E-07	1.33E-07	4.89E-08	6.66E-08	2.49E-08	1.33E-07	4.89E-08
1759	495161.1	3859002	4.24E-04	4.14E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.27E-07	1.04E-07	1.02E-07	0.00E+00	0.00E+00	4.72E-08	8.51E-09	5.40E-08	8.32E-09	7.92E-09	1.26E-07	1.34E-07	4.91E-08	6.69E-08	2.50E-08	1.34E-07	4.91E-08
1760	495211.1	3859002	4.22E-04	4.12E-04	4.06E-04	1.46E-07	4.41E-07	2.55E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.70E-08	8.46E-09	5.37E-08	8.27E-09	7.87E-09	1.25E-07	1.33E-07	4.88E-08	6.65E-08	2.48E-08	1.33E-07	4.88E-08
1761	495261.1	3859002	4.21E-04	4.11E-04	4.05E-04	1.46E-07	4.40E-07	2.55E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.68E-08	8.43E-09	5.35E-08	8.25E-09	7.85E-09	1.25E-07	1.33E-07	4.87E-08	6.63E-08	2.48E-08	1.33E-07	4.87E-08
1762	495311.1	3859002	4.18E-04	4.08E-04	4.03E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	0.00E+00	0.00E+00	4.66E-08	8.38E-09	5.32E-08	8.20E-09	7.80E-09	1.24E-07	1.32E-07	4.84E-08	6.59E-08	2.46E-08	1.32E-07	4.84E-08
1763	495361.1	3859002	4.17E-04	4.06E-04	4.01E-04	1.44E-07	4.35E-07	2.52E-07	2.46E-07	2.23E-07	1.02E-07	1.00E-07	0.00E+00	0.00E+00	4.64E-08	8.35E-09	5.30E-08	8.17E-09	7.77E-09	1.24E-07	1.31E-07	4.82E-08	6.56E-08	2.45E-08	1.31E-07	4.82E-08
1764	495411.1	3859002	4.14E-04	4.04E-04	3.99E-04	1.43E-07	4.33E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	9.99E-08	0.00E+00	0.00E+00	4.61E-08	8.31E-09	5.27E-08	8.13E-09	7.73E-09	1.23E-07	1.31E-07	4.80E-08	6.53E-08	2.44E-08	1.31E-07	4.80E-08

1765	495461.1	3859002	4.13E-04	4.03E-04	3.97E-04	1.43E-07	4.31E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.95E-08	0.00E+00	0.00E+00	4.60E-08	8.27E-09	5.25E-08	8.10E-09	7.70E-09	1.23E-07	1.30E-07	4.78E-08	6.50E-08	2.43E-08	1.30E-07	4.78E-08
1766	495511.1	3859002	4.09E-04	3.99E-04	3.94E-04	1.42E-07	4.28E-07	2.48E-07	2.42E-07	2.19E-07	9.99E-08	9.86E-08	0.00E+00	0.00E+00	4.55E-08	8.20E-09	5.20E-08	8.02E-09	7.63E-09	1.21E-07	1.29E-07	4.74E-08	6.44E-08	2.41E-08	1.29E-07	4.74E-08
1767	495561.1	3859002	4.07E-04	3.97E-04	3.91E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.93E-08	9.80E-08	0.00E+00	0.00E+00	4.53E-08	8.15E-09	5.17E-08	7.97E-09	7.59E-09	1.21E-07	1.28E-07	4.71E-08	6.41E-08	2.39E-08	1.28E-07	4.71E-08
1768	495611.1	3859002	4.03E-04	3.94E-04	3.88E-04	1.40E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.85E-08	9.72E-08	0.00E+00	0.00E+00	4.49E-08	8.08E-09	5.13E-08	7.91E-09	7.52E-09	1.20E-07	1.27E-07	4.67E-08	6.35E-08	2.37E-08	1.27E-07	4.67E-08
1769	495661.1	3859002	4.03E-04	3.94E-04	3.88E-04	1.40E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.85E-08	9.72E-08	0.00E+00	0.00E+00	4.49E-08	8.08E-09	5.13E-08	7.91E-09	7.52E-09	1.20E-07	1.27E-07	4.67E-08	6.35E-08	2.37E-08	1.27E-07	4.67E-08
1770	494311.1	3859052	5.24E-04	5.12E-04	5.05E-04	1.82E-07	5.48E-07	3.17E-07	3.10E-07	2.81E-07	1.28E-07	1.26E-07	0.00E+00	0.00E+00	5.84E-08	1.05E-08	6.67E-08	1.03E-08	9.79E-09	1.56E-07	1.66E-07	6.07E-08	8.26E-08	3.09E-08	1.66E-07	6.07E-08
1771	494361.1	3859052	5.25E-04	5.12E-04	5.05E-04	1.82E-07	5.49E-07	3.18E-07	3.10E-07	2.81E-07	1.28E-07	1.26E-07	0.00E+00	0.00E+00	5.84E-08	1.05E-08	6.67E-08	1.03E-08	9.79E-09	1.56E-07	1.66E-07	6.08E-08	8.27E-08	3.09E-08	1.66E-07	6.08E-08
1772	494411.1	3859052	5.20E-04	5.07E-04	5.01E-04	1.80E-07	5.43E-07	3.15E-07	3.07E-07	2.78E-07	1.27E-07	1.25E-07	0.00E+00	0.00E+00	5.79E-08	1.04E-08	6.61E-08	1.02E-08	9.70E-09	1.54E-07	1.64E-07	6.02E-08	8.19E-08	3.06E-08	1.64E-07	6.02E-08
1773	494461.1	3859052	5.15E-04	5.02E-04	4.96E-04	1.78E-07	5.38E-07	3.12E-07	3.04E-07	2.76E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.73E-08	1.03E-08	6.55E-08	1.01E-08	9.61E-09	1.53E-07	1.62E-07	5.96E-08	8.11E-08	3.03E-08	1.62E-07	5.96E-08
1774	494511.1	3859052	5.09E-04	4.97E-04	4.90E-04	1.76E-07	5.32E-07	3.08E-07	3.01E-07	2.72E-07	1.24E-07	1.23E-07	0.00E+00	0.00E+00	5.67E-08	1.02E-08	6.47E-08	9.98E-09	9.50E-09	1.51E-07	1.61E-07	5.89E-08	8.02E-08	3.00E-08	1.61E-07	5.89E-08
1775	494561.1	3859052	5.04E-04	4.91E-04	4.85E-04	1.74E-07	5.26E-07	3.05E-07	2.97E-07	2.70E-07	1.23E-07	1.21E-07	0.00E+00	0.00E+00	5.61E-08	1.01E-08	6.41E-08	9.88E-09	9.40E-09	1.49E-07	1.59E-07	5.83E-08	7.93E-08	2.96E-08	1.59E-07	5.83E-08
1776	494611.1	3859052	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.19E-07	3.01E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	0.00E+00	0.00E+00	5.53E-08	9.96E-09	6.32E-08	9.75E-09	9.27E-09	1.48E-07	1.57E-07	5.75E-08	7.83E-08	2.93E-08	1.57E-07	5.75E-08
1777	494661.1	3859052	4.90E-04	4.78E-04	4.72E-04	1.70E-07	5.12E-07	2.96E-07	2.89E-07	2.62E-07	1.20E-07	1.18E-07	0.00E+00	0.00E+00	5.45E-08	9.82E-09	6.23E-08	9.61E-09	9.14E-09	1.45E-07	1.55E-07	5.67E-08	7.72E-08	2.88E-08	1.55E-07	5.67E-08
1778	494711.1	3859052	4.84E-04	4.72E-04	4.66E-04	1.67E-07	5.06E-07	2.93E-07	2.86E-07	2.59E-07	1.18E-07	1.17E-07	0.00E+00	0.00E+00	5.38E-08	9.69E-09	6.15E-08	9.49E-09	9.03E-09	1.44E-07	1.53E-07	5.60E-08	7.62E-08	2.85E-08	1.53E-07	5.60E-08
1779	494761.1	3859052	4.77E-04	4.66E-04	4.59E-04	1.65E-07	4.99E-07	2.89E-07	2.82E-07	2.55E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.31E-08	9.56E-09	6.07E-08	9.36E-09	8.90E-09	1.42E-07	1.51E-07	5.52E-08	7.52E-08	2.81E-08	1.51E-07	5.52E-08
1780	494811.1	3859052	4.72E-04	4.61E-04	4.55E-04	1.63E-07	4.93E-07	2.86E-07	2.79E-07	2.53E-07	1.15E-07	1.14E-07	0.00E+00	0.00E+00	5.26E-08	9.46E-09	6.00E-08	9.26E-09	8.81E-09	1.40E-07	1.49E-07	5.47E-08	7.44E-08	2.78E-08	1.49E-07	5.47E-08
1781	494861.1	3859052	4.67E-04	4.56E-04	4.50E-04	1.62E-07	4.88E-07	2.83E-07	2.76E-07	2.50E-07	1.14E-07	1.13E-07	0.00E+00	0.00E+00	5.20E-08	9.36E-09	5.94E-08	9.16E-09	8.72E-09	1.39E-07	1.47E-07	5.41E-08	7.36E-08	2.75E-08	1.47E-07	5.41E-08
1782	494911.1	3859052	4.60E-04	4.49E-04	4.43E-04	1.59E-07	4.81E-07	2.78E-07	2.72E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	5.12E-08	9.22E-09	5.85E-08	9.02E-09	8.59E-09	1.37E-07	1.45E-07	5.33E-08	7.25E-08	2.71E-08	1.45E-07	5.33E-08
1783	494961.1	3859052	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.02E-08	9.04E-09	5.74E-08	8.84E-09	8.41E-09	1.34E-07	1.42E-07	5.22E-08	7.10E-08	2.65E-08	1.42E-07	5.22E-08
1784	495011.1	3859052	4.44E-04	4.33E-04	4.27E-04	1.54E-07	4.64E-07	2.68E-07	2.62E-07	2.37E-07	1.08E-07	1.07E-07	0.00E+00	0.00E+00	4.94E-08	8.89E-09	5.64E-08	8.70E-09	8.28E-09	1.32E-07	1.40E-07	5.13E-08	6.99E-08	2.61E-08	1.40E-07	5.13E-08
1785	495061.1	3859052	4.39E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.88E-08	8.79E-09	5.58E-08	8.60E-09	8.18E-09	1.30E-07	1.38E-07	5.08E-08	6.91E-08	2.58E-08	1.38E-07	5.08E-08
1786	495111.1	3859052	4.35E-04	4.24E-04	4.19E-04	1.51E-07	4.54E-07	2.63E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.84E-08	8.71E-09	5.53E-08	8.53E-09	8.11E-09	1.29E-07	1.37E-07	5.03E-08	6.85E-08	2.56E-08	1.37E-07	5.03E-08
1787	495161.1	3859052	4.35E-04	4.24E-04	4.19E-04	1.51E-07	4.54E-07	2.63E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.84E-08	8.71E-09	5.53E-08	8.53E-09	8.11E-09	1.29E-07	1.37E-07	5.03E-08	6.85E-08	2.56E-08	1.37E-07	5.03E-08
1788	495211.1	3859052	4.31E-04	4.21E-04	4.15E-04	1.49E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.80E-08	8.64E-09	5.48E-08	8.45E-09	8.04E-09	1.28E-07	1.36E-07	4.99E-08	6.79E-08	2.54E-08	1.36E-07	4.99E-08
1789	495261.1	3859052	4.30E-04	4.20E-04	4.14E-04	1.49E-07	4.50E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.79E-08	8.62E-09	5.47E-08	8.44E-09	8.03E-09	1.28E-07	1.36E-07	4.98E-08	6.78E-08	2.53E-08	1.36E-07	4.98E-08
1790	495311.1	3859052	4.27E-04	4.17E-04	4.11E-04	1.48E-07	4.47E-07	2.59E-07	2.52E-07	2.29E-07	1.04E-07	1.03E-07	0.00E+00	0.00E+00	4.76E-08	8.56E-09	5.43E-08	8.38E-09	7.97E-09	1.27E-07	1.35E-07	4.95E-08	6.73E-08	2.52E-08	1.35E-07	4.95E-08
1791	495361.1	3859052	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.28E-07	1.04E-07	1.02E-07	0.00E+00	0.00E+00	4.73E-08	8.52E-09	5.41E-08	8.34E-09	7.93E-09	1.26E-07	1.34E-07	4.92E-08	6.70E-08	2.50E-08	1.34E-07	4.92E-08
1792	495411.1	3859052	4.24E-04	4.14E-04	4.08E-04	1.47E-07	4.43E-07	2.57E-07	2.50E-07	2.27E-07	1.04E-07	1.02E-07	0.00E+00	0.00E+00	4.72E-08	8.50E-09	5.39E-08	8.32E-09	7.91E-09	1.26E-07	1.34E-07	4.91E-08	6.68E-08	2.50E-08	1.34E-07	4.91E-08
1793	495461.1	3859052	4.22E-04	4.12E-04	4.07E-04	1.46E-07	4.41E-07	2.56E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.70E-08	8.46E-09	5.37E-08	8.28E-09	7.88E-09	1.25E-07	1.33E-07	4.89E-08	6.65E-08	2.49E-08	1.33E-07	4.89E-08
1794	495511.1	3859052	4.18E-04	4.08E-04	4.03E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	0.00E+00	0.00E+00	4.66E-08	8.38E-09	5.32E-08	8.20E-09	7.80E-09	1.24E-07	1.32E-07	4.84E-08	6.59E-08	2.46E-08	1.32E-07	4.84E-08
1795	495561.1	3859052	4.15E-04	4.05E-04	3.99E-04	1.44E-07	4.34E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	1.00E-07	0.00E+00	0.00E+00	4.62E-08	8.31E-09	5.28E-08	8.14E-09	7.74E-09	1.23E-07	1.31E-07	4.80E-08	6.54E-08	2.44E-08	1.31E-07	4.80E-08
1796	495611.1	3859052	4.12E-04	4.02E-04	3.96E-04	1.42E-07	4.30E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.92E-08	0.00E+00	0.00E+00	4.58E-08	8.25E-09	5.23E-08	8.07E-09	7.68E-09	1.22E-07	1.30E-07	4.76E-08	6.48E-08	2.42E-08	1.30E-07	4.76E-08
1797	495661.1	3859052	4.12E-04	4.02E-04	3.96E-04	1.42E-07	4.30E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.92E-08	0.00E+00	0.00E+00	4.58E-08	8.25E-09	5.23E-08	8.07E-09	7.68E-09	1.22E-07	1.30E-07	4.76E-08	6.48E-08	2.42E-08	1.30E-07	4.76E-08
1798	494311.1	3859102	5.43E-04	5.30E-04	5.23E-04	1.88E-07	5.68E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.05E-08	1.09E-08	6.91E-08	1.07E-08	1.01E-08	1.61E-07	1.71E-07	6.29E-08	8.56E-08	3.20E-08	1.71E-07	6.29E-08
1799	494361.1	3859102	5.39E-04	5.25E-04	5.19E-04	1.86E-07	5.63E-07	3.26E-07	3.18E-07	2.88E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	5.99E-08	1.08E-08	6.85E-08	1.06E-08	1.00E-08	1.60E-07	1.70E-07	6.23E-08	8.48E-08	3.17E-08	1.70E-07	6.23E-08
1800	494411.1	3859102	5.35E-04	5.22E-04	5.15E-04	1.85E-07	5.59E-07	3.24E-07	3.16E-07	2.86E-07	1.31E-07	1.29E-07	0.00E+00	0.00E+00	5.95E-08	1.07E-08	6.80E-08	1.05E-08	9.98E-09	1.59E-07	1.69E-07	6.19E-08	8.42E-08	3.15E-08	1.69E-07	6.19E-08
1801	494461.1	3859102	5.29E-04	5.17E-04	5.10E-04	1.83E-07	5.53E-07	3.20E-07	3.13E-07	2.83E-07	1.29E-07	1.28E-07	0.00E+00	0.00E+00	5.89E-08	1.06E-08	6.73E-08	1.04E-08	9.88E-09	1.57E-07	1.67E-07	6.13E-08	8.34E-08	3.12E-08	1.67E-07	6.13E-08
1802	494511.1	3859102	5.22E-04	5.09E-04	5.02E-04	1.81E-07	5.45E-07	3.16E-07	3.08E-07	2.79E-07	1.27E-07	1.26E-07	0.00E+00	0.00E+00	5.81E-08	1.05E-08	6.63E-08	1.02E-08	9.73E-09	1.55E-07	1.65E-07	6.04E-08	8.22E-08	3.07E-08	1.65E-07	6.04E-08
1803	494561.1	3859102	5.16E-04	5.03E-04	4.97E-04	1.79E-07	5.39E-07	3.12E-07	3.04E-07	2.76E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.74E-08	1.03E-08	6.56E-08	1.01E-08	9.62E-09	1.53E-07	1.63E-07	5.97E-08	8.12E-08	3.04E-08	1.63E-07	5.97E-08
1804	494611.1	3859102	5.08E-04	4.96E-04	4.89E-04	1.76E-07	5.31E-07	3.07E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.65E-08	1.02E-08	6.46E-08	9.96E-09	9.48E-09	1.51E-07	1.60E-07	5.88E-08	8.00E-08	2.99E-08	1.60E-07	5.88E-08
1805	494661.1	3859102	5.02E-04	4.90E-04	4.83E-04	1.74E-07	5.25E-07	3.04E-07	2.96E-07	2.69E-07	1.23E-07	1.21E-07	0.00E+00	0.00E+00	5.59E-08	1.01E-08	6.38E-08	9.84E-09	9.37E-09	1.49E-07	1.58E-07	5.81E-08	7.91E-08	2.96E-08	1.58E-07	5.81E-08
1806	494711.1	3859102	4.93E-04	4.81E-04	4.75E-04	1.71E-07	5.16E-07	2.98E-07	2.91E-07	2.64E-07	1.20E-07	1.19E-07	0.00E+00	0.00E+00	5.49E-08	9.89E-09	6.27E-08	9.67E-09	9.20E-09	1.46E-07	1.56E-07	5.71E-08	7.77E-08	2.90E-08	1.56E-07	5.71E-08
1807	494761.1	3859102	4.90E-04	4.78E-04	4.72E-04	1.70E-07	5.12E-07	2.96E-07	2.89E-07	2.62E-07	1.20E-07	1.18E-07	0.00E+00	0.00E+00	5.45E-08	9.82E-09	6.23E-08	9.61E-09	9.14E-09	1.45E-07	1.55E-07	5.67E-08	7.72E-08	2.88E-08	1.55E-07	5.67E-08
1808	494811.1	3859102	4.84E-04	4.72E-04	4.66E-04	1.67E-07	5.06E-07	2.93E-07	2.86E-07	2.59E-07	1.18E-07	1.17E-07	0.00E+00	0.00E+00	5.38E-08	9.69E-09	6.15E-08	9.49E-09	9.03E-09	1.44E-07	1.53E-07	5.60E-08	7.62E-08	2.85E-08	1.53E-07	5.60E-08
1809	494861.1	3859102	4.78E-04	4.66E-04	4.60E-04	1.65E-07	5.00E-07	2.89E-07	2.82E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.32E-08	9.58E-09	6.08E-08	9.37E-09	8.92E-09	1.42E-07	1.51E-07	5.53E-08	7.53E-08	2.81E-08	1.51E-07	5.53E-08
1810	494911.1	3859102	4.70E-04	4.59E-04	4.53E-04	1.63E-07	4.92E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.13E-07	0.00E+00	0.00E+00	5.24E-08	9.43E-09	5.98E-08	9.23E-09	8.78E-09	1.40E-07	1.48E-07	5.45E-08	7.41E-08	2.77E-08	1.48E-07	5.45E-08
1811	494961.1	3859102	4.61E-04	4.49E-04	4.43E-04	1.59E-07	4.81E-07	2.79E-07	2.72E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	5.13E-08	9.23E-09	5.86E-08	9.03E-09	8.59E-09	1.37E-07	1.45E-07	5.33E-08	7.25E-08	2.71E-08	1.45E-07	5.33E-08
1812	495011.1	3859102	4.50E-04	4.39E-04	4.33E-04	1.56E-07	4.70E-07	2.72E-07	2.66E-07	2.41E-07	1.10E-07	1.08E-07	0.00E+00	0.00E+00	5.01E-08	9.02E-09	5.72E-08	8.83E-09	8.40E-09	1.34E-07	1.42E-07	5.21E-08	7.09E-08	2.65E-08	1.42E-07	5.21E-08
1813	495061.1	3859102	4.48E-04	4.38E-04	4.32E-04	1.55E-07	4.69E-07	2.71E-07	2.65E-07	2.40E-07	1.10E-07	1.08E-07	0.00E+00	0.00E+00	4.99E-08	8.99E-09	5.70E-08	8.80E-09	8.37E-09	1.33E-07	1.42E-07	5.19E-08	7.07E-08	2.64E-08	1.42E-07	5.19E-08
1814	495111.1	3859102	4.44E-04	4.34E-04	4.28E-04	1.54E-07	4.64E-07	2.69E-07	2.62E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.95E-08	8.90E-09	5.65E-08	8.71E-09	8.29E-09	1.32E-07	1.40E-07	5.14E-08	7.00E-08	2.62E-08	1.40E-07	5.14E-08
1815	495161.1	3859102	4.44E-04	4.34E-04	4.28E-04	1.54E-07	4.64E-07	2.69E-07	2.62E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.95E-08	8.90E-09	5.65E-08	8.71E-09	8.29E-09	1.32E-07	1.40E-07	5.14E-08	7.00E-08	2.62E-08	1.40E-07	5.14E-08
1816	495211.1	3859102	4.41E-04	4.30E-04	4.25E-04	1.53E-07	4.61E-07	2.67E-07	2.60E-07	2.36E-07	1.08E-07	1.06E-07	0.00E+00	0.00E+00	4.91E-08	8.84E-09	5.61E-08	8.65E-09	8.23E-09	1.31E-07	1.39E-07	5.11E-08	6.95E-08	2.60E-08	1.39E-07	5.11E-08
1817	495261.1	3859102	4.39E-04	4.29E-04	4.23E-04	1.52E-07	4.59E-07	2.66E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.89E-08	8.81E-09	5.59E-08	8.62E-09	8.20E-09	1.30E-07	1.39E-07	5.09E-08	6.92E-08	2.59E-08	1.39E-07	5.09E-08
1818	495311.1	3859102	4.36E-04	4.26E-04	4.20E-04	1.51E-07	4.56E-07	2.64E-07	2.58E-07	2.34E-07	1.07E-07	1.05E-07	0.00E+00	0.00E+00	4.86E-08	8.75E-09	5.55E-08	8.56E-09	8.14E-09	1.30E-07	1.38E-07	5.05E-08	6.88E-08	2.57E-08	1.38E-07	5.05E-08
1819	495361.1	3859102	4.36E-04	4.25E-04	4.20E-04	1.51E-07	4.56E-07	2.64E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.85E-08	8.74E-09	5.55E-08	8.55E-09	8.14E-09	1.29E-07	1.38E-07	5.05E-08	6.87E-08	2.57E-08	1.38E-07	5.05E-08
1820	495411.1	3859102	4.34E-04	4.23E-04	4.18E-04	1.50E-07	4.54E-07	2.63E-07	2.56E-07	2.32E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.83E-08	8.70E-09	5.52E-08	8.51E-09	8.10E-09	1.29E-07	1.37E-07	5.02E-08	6.84E-08	2.55E-08	1.37E-07	5.02E-08
1821	495461.1	3859102	4.29E-04	4.19E-04	4.13E-04	1.49E-07	4.49E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.03E-07	0.00E+00	0.00E+00	4.78E-08	8.61E-09	5.46E-08	8.42E-09	8.01E-09	1.27E-07	1.36E-07	4.97E-08	6.76E-08	2.53E-08	1.36E-07	4.97E-08
1822	495511.1	3859102	4.27E-04	4.17E-04	4.11E-04	1.48E-07	4.47E-07	2.59E-07	2.52E-07	2.29E-07	1.04E-07	1.03E-07	0.00E+00	0.00E+00	4.76E-08	8.56E-09	5.43E-08	8.38E-09	7.97E-09	1.27E-07	1.35E-07	4.95E-08	6.73E-08	2.52E-08	1.35E-07	4.95E-08
1823	495561.1	3859102	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.27E-07	1.04E-07	1.02E-07	0.00E+00	0.00E+00	4.73E-08	8.51E-09	5.40E-08	8.33E-09	7.93E-09	1.26E-07	1.34E-07	4.92E-08	6.69E-08	2.50E-08	1.34E-07	4.92E-08
1824	495611.1	3859102	4.22E-04	4.11E-04	4.06E-04	1.46E-07	4.41E-07	2.55E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.69E-08	8.45E-09	5.36E-08	8.27E-09	7.87E-09	1.25E-07	1.33E-07	4.88E-08	6.64E-08	2.48E-08	1.33E-07	4.88E-08
1825	495661.1	3859102	4.20E-04	4.10E-04	4.04E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.67E-08	8.41E-09	5.34E-08	8.23E-09	7.83E-09	1.25E-07	1.33E-07	4.86E-08	6.61E-08	2.47E-08	1.33E-07	4.86E-08
1826	494311.1	3859152	5.58E-04	5.45E-04	5.37E-04	1.93E-07	5.83E-07	3.38E-07	3.29E-07	2.99E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.21E-08	1.12E-08	7.10E-08	1.09E-08	1.04E-08	1.66E-07	1.76E-07	6.46E-08	8.79E-08	3.28E-08	1.76E-07	6.46E-08
1827	494361.1	3859152	5.54E-04	5.41E-04	5.34E-04	1.92E-07	5.79E-07	3.35E-07	3.27E-07	2.97E-07	1.35E-07	1.34E-07	0.00E+00	0.00E+00	6.17E-08	1.11E-08	7.05E-08	1.09E-08	1.03E-08	1.65E-07	1.75E-07	6.42E-08	8.73E-08	3.26E-08	1.75E-07	6.42E-08
1828	494411.1	3859152	5.48E-04	5.35E-04	5.28E-04	1.90E-07	5.73E-07	3.32E-07	3.24E-07	2.93E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.10E-08	1.10E-08	6.97E-08	1.07E-08	1.02E-08	1.63E-07	1.73E-07	6.34E-08	8.63E-08	3.23E-08	1.73E-07	6.34E-08
1829	494461.1	3859152	5.41E-04	5.28E-04	5.21E-04	1.87E-07	5.66E-07	3.28E-07	3.20E-07	2.90E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	6.03E-08	1.09E-08	6.89E-08	1.06E-08	1.01E-08	1.61E-07	1.71E-07	6.27E-08	8.53E-08	3.19E-08	1.71E-07	6.27E-08
1830	494511.1	3859152	5.34E-04	5.21E-04	5.14E-04	1.85E-07	5.58E-07	3.23E-07	3.15E-07	2.86E-07	1.30E-07	1.29E-07	0.00E+00	0.00E+00	5.94E-08	1.07E-08	6.78E-08	1.05E-08	9.96E-09	1.58E-07	1.68E-07	6.18E-08	8.40E-08	3.14E-08	1.68E-07	6.18E-08
1831	494561.1	3859152	5.28E-04	5.15E-04	5.08E-04	1.83E-07	5.52E-07	3.19E-07	3.12E-07	2.82E-07	1.29E-07	1.27E-07	0.00E+00	0.00E+00	5.87E-08	1.06E-08	6.71E-08	1.03E-08	9.85E-09	1.57E-07	1.67E-07	6.11E-08	8.31E-08	3.11E-08	1.67E-07	6.11E-08
1832	494611.1	3859152	5.20E-04	5.07E-04	5.01E-04	1.80E-07	5.43E-07	3.15E-07	3.07E-07	2.78E-07	1.27E-07	1.25E-07	0.00E+00	0.00E+00	5.79E-08	1.04E-08	6.61E-08	1.02E-08	9.70E-09	1.54E-07	1.64E-07	6.02E-08	8.19E-08	3.06E-08	1.64E-07	6.02E-08
1833	494661.1	3859152	5.14E-04	5.02E-04	4.95E-04	1.78E-07	5.38E-07	3.11E-07	3.04E-07	2.75E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.73E-08	1.03E-08	6.54E-08	1.01E-08	9.60E-09	1.53E-07	1.62E-07	5.96E-08	8.10E-08	3.03E-08	1.62E-07	5.96E-08
1834	494711.1	3859152	5.09E-04	4.97E-04	4.91E-04	1.76E-07	5.33E-07	3.08E-07	3.01E-07	2.73E-07	1.24E-07	1.23E-07	0.00E+00	0.00E+00	5.67E-08	1.02E-08	6.48E-08	9.99E-09	9.51E-09	1.51E-07	1.61E-07	5.90E-08	8.03E-08	3.00E-08	1.61E-07	5.90E-08
1835	494761.1	3859152	5.01E-04	4.89E-04	4.83E-04	1.73E-07	5.24E-07	3.03E-07	2.96E-07	2.68E-07	1.22E-07	1.21E-07	0.00E+00	0.00E+00	5.58E-08	1.00E-08	6.37E-08	9.83E-09	9.35E-09	1.49E-07	1.58E-07	5.80E-08	7.90E-08	2.95E-08	1.58E-07	5.80E-08
1836	494811.1	3859152	4.94E-04	4.82E-04	4.76E-04	1.71E-07	5.16E-07	2.99E-07	2.92E-07	2.64E-07	1.21E-07	1.19E-07	0.00E+00	0.00E+00	5.50E-08	9.90E-09	6.28E-08	9.69E-09	9.22E-09	1.47E-07	1.56E-07	5.72E-08	7.78E-08	2.91E-08	1.56E-07	5.72E-08
1837	494861.1	3859152	4.89E-04	4.77E-04	4.71E-04	1.69E-07	5.11E-07	2.96E-07	2.89E-07	2.62E-07	1.19E-07	1.18E-07	0.00E+00	0.00E+00	5.44E-08	9.80E-09	6.22E-08	9.59E-09	9.13E-09	1.45E-07	1.54E-07	5.66E-08	7.71E-08	2.88E-08	1.54E-07	5.66E-08
1838	494911.1	3859152	4.80E-04	4.69E-04	4.63E-04	1.66E-07	5.02E-07	2.91E-07	2.84E-07	2.57E-07	1.17E-07	1.16E-07	0.00E+00	0.00E+00	5.35E-08	9.63E-09	6.11E-08	9.42E-09	8.96E-09	1.43E-07	1.52E-07	5.56E-08	7.57E-08	2.83E-08	1.52E-07	5.56E-08
1839	494961.1	3859152	4.69E-04	4.58E-04	4.52E-04	1.62E-07	4.90E-07	2.84E-07	2.77E-07	2.51E-07	1.15E-07	1.13E-07	0.00E+00	0.00E+00	5.22E-08	9.40E-09	5.97E-08	9.20E-09	8.76E-09	1.39E-07	1.48E-07	5.43E-08	7.39E-08	2.76E-08	1.48E-07	5.43E-08
1840	495011.1	3859152	4.61E-04	4.49E-04	4.43E-04	1.59E-07	4.81E-07	2.79E-07	2.72E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	5.13E-08	9.23E-09	5.86E-08	9.03E-09	8.59E-09	1.37E-07	1.45E-07	5.33E-08	7.25E-08	2.71E-08	1.45E-07	5.33E-08
1841	495061.1	3859152	4.58E-04	4.47E-04	4.41E-04	1.59E-07	4.79E-07	2.77E-07	2.70E-07	2.45E-07	1.12E-07	1.10E-07	0.00E+00	0.00E+00	5.10E-08	9.18E-09	5.82E-08	8.98E-09	8.55E-09	1.36E-07	1.45E-07	5.30E-08	7.22E-08	2.70E-08	1.45E-07	5.30E-08

1842	495111.1	3859152	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	0.00E+00	0.00E+00	5.07E-08	9.12E-09	5.79E-08	8.93E-09	8.49E-09	1.35E-07	1.44E-07	5.27E-08	7.17E-08	2.68E-08	1.44E-07	5.27E-08
1843	495161.1	3859152	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	0.00E+00	0.00E+00	5.07E-08	9.12E-09	5.79E-08	8.93E-09	8.49E-09	1.35E-07	1.44E-07	5.27E-08	7.17E-08	2.68E-08	1.44E-07	5.27E-08
1844	495211.1	3859152	4.52E-04	4.41E-04	4.35E-04	1.56E-07	4.72E-07	2.73E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.03E-08	9.05E-09	5.75E-08	8.86E-09	8.43E-09	1.34E-07	1.43E-07	5.23E-08	7.12E-08	2.66E-08	1.43E-07	5.23E-08
1845	495261.1	3859152	4.49E-04	4.38E-04	4.33E-04	1.56E-07	4.70E-07	2.72E-07	2.65E-07	2.40E-07	1.10E-07	1.08E-07	0.00E+00	0.00E+00	5.00E-08	9.00E-09	5.71E-08	8.81E-09	8.38E-09	1.33E-07	1.42E-07	5.20E-08	7.08E-08	2.65E-08	1.42E-07	5.20E-08
1846	495311.1	3859152	4.47E-04	4.36E-04	4.30E-04	1.55E-07	4.67E-07	2.70E-07	2.64E-07	2.39E-07	1.09E-07	1.08E-07	0.00E+00	0.00E+00	4.97E-08	8.95E-09	5.68E-08	8.76E-09	8.34E-09	1.33E-07	1.41E-07	5.17E-08	7.04E-08	2.63E-08	1.41E-07	5.17E-08
1847	495361.1	3859152	4.44E-04	4.34E-04	4.28E-04	1.54E-07	4.64E-07	2.69E-07	2.62E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.95E-08	8.90E-09	5.65E-08	8.71E-09	8.29E-09	1.32E-07	1.40E-07	5.14E-08	7.00E-08	2.62E-08	1.40E-07	5.14E-08
1848	495411.1	3859152	4.44E-04	4.34E-04	4.28E-04	1.54E-07	4.64E-07	2.69E-07	2.62E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.95E-08	8.90E-09	5.65E-08	8.71E-09	8.29E-09	1.32E-07	1.40E-07	5.14E-08	7.00E-08	2.62E-08	1.40E-07	5.14E-08
1849	495461.1	3859152	4.42E-04	4.31E-04	4.25E-04	1.53E-07	4.62E-07	2.67E-07	2.61E-07	2.36E-07	1.08E-07	1.06E-07	0.00E+00	0.00E+00	4.92E-08	8.86E-09	5.62E-08	8.66E-09	8.24E-09	1.31E-07	1.39E-07	5.11E-08	6.96E-08	2.60E-08	1.39E-07	5.11E-08
1850	495511.1	3859152	4.38E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.34E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.88E-08	8.78E-09	5.57E-08	8.59E-09	8.17E-09	1.30E-07	1.38E-07	5.07E-08	6.90E-08	2.58E-08	1.38E-07	5.07E-08
1851	495561.1	3859152	4.35E-04	4.24E-04	4.19E-04	1.51E-07	4.54E-07	2.63E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.84E-08	8.71E-09	5.53E-08	8.53E-09	8.11E-09	1.29E-07	1.37E-07	5.03E-08	6.85E-08	2.56E-08	1.37E-07	5.03E-08
1852	495611.1	3859152	4.31E-04	4.21E-04	4.15E-04	1.49E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.80E-08	8.65E-09	5.49E-08	8.46E-09	8.05E-09	1.28E-07	1.36E-07	4.99E-08	6.80E-08	2.54E-08	1.36E-07	4.99E-08
1853	495661.1	3859152	4.29E-04	4.19E-04	4.13E-04	1.48E-07	4.48E-07	2.60E-07	2.53E-07	2.30E-07	1.05E-07	1.03E-07	0.00E+00	0.00E+00	4.78E-08	8.60E-09	5.46E-08	8.41E-09	8.00E-09	1.27E-07	1.35E-07	4.97E-08	6.76E-08	2.53E-08	1.35E-07	4.97E-08
1854	494311.1	3859202	5.74E-04	5.60E-04	5.53E-04	1.99E-07	6.00E-07	3.47E-07	3.39E-07	3.07E-07	1.40E-07	1.38E-07	0.00E+00	0.00E+00	6.39E-08	1.15E-08	7.30E-08	1.13E-08	1.07E-08	1.70E-07	1.81E-07	6.65E-08	9.05E-08	3.38E-08	1.81E-07	6.65E-08
1855	494361.1	3859202	5.69E-04	5.55E-04	5.48E-04	1.97E-07	5.95E-07	3.44E-07	3.36E-07	3.05E-07	1.39E-07	1.37E-07	0.00E+00	0.00E+00	6.34E-08	1.14E-08	7.24E-08	1.12E-08	1.06E-08	1.69E-07	1.80E-07	6.59E-08	8.97E-08	3.35E-08	1.80E-07	6.59E-08
1856	494411.1	3859202	5.63E-04	5.49E-04	5.42E-04	1.95E-07	5.88E-07	3.40E-07	3.32E-07	3.01E-07	1.37E-07	1.36E-07	0.00E+00	0.00E+00	6.26E-08	1.13E-08	7.15E-08	1.10E-08	1.05E-08	1.67E-07	1.78E-07	6.51E-08	8.86E-08	3.31E-08	1.78E-07	6.51E-08
1857	494461.1	3859202	5.54E-04	5.41E-04	5.34E-04	1.92E-07	5.79E-07	3.35E-07	3.27E-07	2.97E-07	1.35E-07	1.34E-07	0.00E+00	0.00E+00	6.17E-08	1.11E-08	7.05E-08	1.09E-08	1.03E-08	1.65E-07	1.75E-07	6.42E-08	8.73E-08	3.26E-08	1.75E-07	6.42E-08
1858	494511.1	3859202	5.48E-04	5.35E-04	5.28E-04	1.90E-07	5.73E-07	3.32E-07	3.24E-07	2.93E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.10E-08	1.10E-08	6.97E-08	1.07E-08	1.02E-08	1.63E-07	1.73E-07	6.34E-08	8.63E-08	3.23E-08	1.73E-07	6.34E-08
1859	494561.1	3859202	5.40E-04	5.27E-04	5.20E-04	1.87E-07	5.64E-07	3.27E-07	3.19E-07	2.89E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	6.01E-08	1.08E-08	6.86E-08	1.06E-08	1.01E-08	1.60E-07	1.70E-07	6.25E-08	8.50E-08	3.18E-08	1.70E-07	6.25E-08
1860	494611.1	3859202	5.33E-04	5.20E-04	5.13E-04	1.84E-07	5.57E-07	3.22E-07	3.15E-07	2.85E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.93E-08	1.07E-08	6.77E-08	1.04E-08	9.94E-09	1.58E-07	1.68E-07	6.17E-08	8.39E-08	3.14E-08	1.68E-07	6.17E-08
1861	494661.1	3859202	5.27E-04	5.14E-04	5.07E-04	1.82E-07	5.51E-07	3.19E-07	3.11E-07	2.82E-07	1.29E-07	1.27E-07	0.00E+00	0.00E+00	5.87E-08	1.06E-08	6.70E-08	1.03E-08	9.83E-09	1.56E-07	1.66E-07	6.10E-08	8.30E-08	3.10E-08	1.66E-07	6.10E-08
1862	494711.1	3859202	5.21E-04	5.08E-04	5.01E-04	1.80E-07	5.44E-07	3.15E-07	3.07E-07	2.79E-07	1.27E-07	1.25E-07	0.00E+00	0.00E+00	5.80E-08	1.04E-08	6.62E-08	1.02E-08	9.72E-09	1.55E-07	1.64E-07	6.03E-08	8.20E-08	3.07E-08	1.64E-07	6.03E-08
1863	494761.1	3859202	5.12E-04	5.00E-04	4.93E-04	1.77E-07	5.36E-07	3.10E-07	3.03E-07	2.74E-07	1.25E-07	1.23E-07	0.00E+00	0.00E+00	5.70E-08	1.03E-08	6.52E-08	1.00E-08	9.56E-09	1.52E-07	1.62E-07	5.93E-08	8.07E-08	3.02E-08	1.62E-07	5.93E-08
1864	494811.1	3859202	5.05E-04	4.93E-04	4.87E-04	1.75E-07	5.28E-07	3.06E-07	2.98E-07	2.70E-07	1.23E-07	1.22E-07	0.00E+00	0.00E+00	5.62E-08	1.01E-08	6.43E-08	9.91E-09	9.43E-09	1.50E-07	1.59E-07	5.85E-08	7.96E-08	2.97E-08	1.59E-07	5.85E-08
1865	494861.1	3859202	4.97E-04	4.85E-04	4.78E-04	1.72E-07	5.19E-07	3.00E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	0.00E+00	0.00E+00	5.53E-08	9.95E-09	6.32E-08	9.74E-09	9.27E-09	1.47E-07	1.57E-07	5.75E-08	7.82E-08	2.92E-08	1.57E-07	5.75E-08
1866	494911.1	3859202	4.89E-04	4.77E-04	4.71E-04	1.69E-07	5.11E-07	2.96E-07	2.89E-07	2.62E-07	1.19E-07	1.18E-07	0.00E+00	0.00E+00	5.44E-08	9.79E-09	6.22E-08	9.58E-09	9.12E-09	1.45E-07	1.54E-07	5.66E-08	7.70E-08	2.88E-08	1.54E-07	5.66E-08
1867	494961.1	3859202	4.79E-04	4.68E-04	4.61E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.33E-08	9.60E-09	6.09E-08	9.40E-09	8.94E-09	1.42E-07	1.51E-07	5.55E-08	7.55E-08	2.82E-08	1.51E-07	5.55E-08
1868	495011.1	3859202	4.68E-04	4.56E-04	4.50E-04	1.62E-07	4.89E-07	2.83E-07	2.76E-07	2.50E-07	1.14E-07	1.13E-07	0.00E+00	0.00E+00	5.20E-08	9.37E-09	5.95E-08	9.17E-09	8.72E-09	1.39E-07	1.48E-07	5.41E-08	7.37E-08	2.75E-08	1.48E-07	5.41E-08
1869	495061.1	3859202	4.70E-04	4.58E-04	4.52E-04	1.63E-07	4.91E-07	2.84E-07	2.77E-07	2.51E-07	1.15E-07	1.13E-07	0.00E+00	0.00E+00	5.23E-08	9.41E-09	5.97E-08	9.21E-09	8.76E-09	1.39E-07	1.48E-07	5.44E-08	7.40E-08	2.76E-08	1.48E-07	5.44E-08
1870	495111.1	3859202	4.68E-04	4.56E-04	4.50E-04	1.62E-07	4.89E-07	2.83E-07	2.76E-07	2.50E-07	1.14E-07	1.13E-07	0.00E+00	0.00E+00	5.20E-08	9.37E-09	5.95E-08	9.17E-09	8.72E-09	1.39E-07	1.48E-07	5.41E-08	7.37E-08	2.75E-08	1.48E-07	5.41E-08
1871	495161.1	3859202	4.65E-04	4.54E-04	4.48E-04	1.61E-07	4.86E-07	2.81E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	5.18E-08	9.32E-09	5.91E-08	9.12E-09	8.68E-09	1.38E-07	1.47E-07	5.38E-08	7.33E-08	2.74E-08	1.47E-07	5.38E-08
1872	495211.1	3859202	4.61E-04	4.50E-04	4.44E-04	1.60E-07	4.82E-07	2.79E-07	2.72E-07	2.47E-07	1.13E-07	1.11E-07	0.00E+00	0.00E+00	5.14E-08	9.25E-09	5.87E-08	9.05E-09	8.61E-09	1.37E-07	1.46E-07	5.34E-08	7.27E-08	2.72E-08	1.46E-07	5.34E-08
1873	495261.1	3859202	4.60E-04	4.49E-04	4.43E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	5.12E-08	9.21E-09	5.85E-08	9.01E-09	8.58E-09	1.36E-07	1.45E-07	5.32E-08	7.24E-08	2.71E-08	1.45E-07	5.32E-08
1874	495311.1	3859202	4.58E-04	4.47E-04	4.41E-04	1.58E-07	4.78E-07	2.77E-07	2.70E-07	2.45E-07	1.12E-07	1.10E-07	0.00E+00	0.00E+00	5.09E-08	9.17E-09	5.82E-08	8.97E-09	8.54E-09	1.36E-07	1.44E-07	5.30E-08	7.21E-08	2.69E-08	1.44E-07	5.30E-08
1875	495361.1	3859202	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	0.00E+00	0.00E+00	5.07E-08	9.12E-09	5.79E-08	8.93E-09	8.49E-09	1.35E-07	1.44E-07	5.27E-08	7.17E-08	2.68E-08	1.44E-07	5.27E-08
1876	495411.1	3859202	4.54E-04	4.43E-04	4.37E-04	1.57E-07	4.75E-07	2.75E-07	2.68E-07	2.43E-07	1.11E-07	1.09E-07	0.00E+00	0.00E+00	5.06E-08	9.10E-09	5.78E-08	8.91E-09	8.48E-09	1.35E-07	1.43E-07	5.26E-08	7.16E-08	2.67E-08	1.43E-07	5.26E-08
1877	495461.1	3859202	4.52E-04	4.41E-04	4.35E-04	1.56E-07	4.72E-07	2.73E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.03E-08	9.05E-09	5.75E-08	8.86E-09	8.43E-09	1.34E-07	1.43E-07	5.23E-08	7.12E-08	2.66E-08	1.43E-07	5.23E-08
1878	495511.1	3859202	4.49E-04	4.38E-04	4.32E-04	1.55E-07	4.69E-07	2.72E-07	2.65E-07	2.40E-07	1.10E-07	1.08E-07	0.00E+00	0.00E+00	5.00E-08	9.00E-09	5.71E-08	8.80E-09	8.38E-09	1.33E-07	1.42E-07	5.20E-08	7.07E-08	2.64E-08	1.42E-07	5.20E-08
1879	495561.1	3859202	4.44E-04	4.34E-04	4.28E-04	1.54E-07	4.64E-07	2.69E-07	2.62E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.95E-08	8.90E-09	5.65E-08	8.71E-09	8.29E-09	1.32E-07	1.40E-07	5.14E-08	7.00E-08	2.62E-08	1.40E-07	5.14E-08
1880	495611.1	3859202	4.41E-04	4.30E-04	4.24E-04	1.53E-07	4.61E-07	2.67E-07	2.60E-07	2.36E-07	1.08E-07	1.06E-07	0.00E+00	0.00E+00	4.90E-08	8.83E-09	5.60E-08	8.64E-09	8.22E-09	1.31E-07	1.39E-07	5.10E-08	6.94E-08	2.59E-08	1.39E-07	5.10E-08
1881	495661.1	3859202	4.38E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.34E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.88E-08	8.78E-09	5.57E-08	8.59E-09	8.17E-09	1.30E-07	1.38E-07	5.07E-08	6.90E-08	2.58E-08	1.38E-07	5.07E-08
1882	494311.1	3859252	5.90E-04	5.76E-04	5.68E-04	2.04E-07	6.17E-07	3.57E-07	3.48E-07	3.16E-07	1.44E-07	1.42E-07	0.00E+00	0.00E+00	6.57E-08	1.18E-08	7.50E-08	1.16E-08	1.10E-08	1.75E-07	1.86E-07	6.83E-08	9.29E-08	3.47E-08	1.86E-07	6.83E-08
1883	494361.1	3859252	5.83E-04	5.69E-04	5.62E-04	2.02E-07	6.10E-07	3.53E-07	3.44E-07	3.12E-07	1.42E-07	1.41E-07	0.00E+00	0.00E+00	6.49E-08	1.17E-08	7.42E-08	1.14E-08	1.09E-08	1.73E-07	1.84E-07	6.75E-08	9.19E-08	3.43E-08	1.84E-07	6.75E-08
1884	494411.1	3859252	5.74E-04	5.60E-04	5.53E-04	1.99E-07	6.00E-07	3.47E-07	3.39E-07	3.07E-07	1.40E-07	1.38E-07	0.00E+00	0.00E+00	6.39E-08	1.15E-08	7.30E-08	1.13E-08	1.07E-08	1.70E-07	1.81E-07	6.65E-08	9.05E-08	3.38E-08	1.81E-07	6.65E-08
1885	494461.1	3859252	5.68E-04	5.55E-04	5.47E-04	1.97E-07	5.94E-07	3.44E-07	3.36E-07	3.04E-07	1.39E-07	1.37E-07	0.00E+00	0.00E+00	6.33E-08	1.14E-08	7.23E-08	1.11E-08	1.06E-08	1.69E-07	1.79E-07	6.58E-08	8.95E-08	3.35E-08	1.79E-07	6.58E-08
1886	494511.1	3859252	5.58E-04	5.45E-04	5.37E-04	1.93E-07	5.83E-07	3.38E-07	3.29E-07	2.99E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.21E-08	1.12E-08	7.10E-08	1.09E-08	1.04E-08	1.66E-07	1.76E-07	6.46E-08	8.79E-08	3.28E-08	1.76E-07	6.46E-08
1887	494561.1	3859252	5.52E-04	5.38E-04	5.31E-04	1.91E-07	5.77E-07	3.34E-07	3.26E-07	2.95E-07	1.35E-07	1.33E-07	0.00E+00	0.00E+00	6.14E-08	1.11E-08	7.02E-08	1.08E-08	1.03E-08	1.64E-07	1.74E-07	6.39E-08	8.69E-08	3.25E-08	1.74E-07	6.39E-08
1888	494611.1	3859252	5.44E-04	5.31E-04	5.24E-04	1.88E-07	5.68E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.05E-08	1.09E-08	6.92E-08	1.07E-08	1.01E-08	1.61E-07	1.72E-07	6.30E-08	8.57E-08	3.20E-08	1.72E-07	6.30E-08
1889	494661.1	3859252	5.39E-04	5.26E-04	5.19E-04	1.87E-07	5.63E-07	3.26E-07	3.18E-07	2.88E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	6.00E-08	1.08E-08	6.85E-08	1.06E-08	1.01E-08	1.60E-07	1.70E-07	6.24E-08	8.49E-08	3.17E-08	1.70E-07	6.24E-08
1890	494711.1	3859252	5.33E-04	5.20E-04	5.13E-04	1.84E-07	5.57E-07	3.22E-07	3.15E-07	2.85E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.93E-08	1.07E-08	6.77E-08	1.04E-08	9.94E-09	1.58E-07	1.68E-07	6.17E-08	8.39E-08	3.14E-08	1.68E-07	6.17E-08
1891	494761.1	3859252	5.19E-04	5.07E-04	5.00E-04	1.80E-07	5.43E-07	3.14E-07	3.07E-07	2.78E-07	1.27E-07	1.25E-07	0.00E+00	0.00E+00	5.78E-08	1.04E-08	6.61E-08	1.02E-08	9.69E-09	1.54E-07	1.64E-07	6.01E-08	8.18E-08	3.06E-08	1.64E-07	6.01E-08
1892	494811.1	3859252	5.17E-04	5.05E-04	4.98E-04	1.79E-07	5.41E-07	3.13E-07	3.05E-07	2.77E-07	1.26E-07	1.25E-07	0.00E+00	0.00E+00	5.76E-08	1.04E-08	6.58E-08	1.01E-08	9.65E-09	1.54E-07	1.63E-07	5.99E-08	8.15E-08	3.05E-08	1.63E-07	5.99E-08
1893	494861.1	3859252	5.04E-04	4.92E-04	4.86E-04	1.75E-07	5.27E-07	3.05E-07	2.98E-07	2.70E-07	1.23E-07	1.22E-07	0.00E+00	0.00E+00	5.62E-08	1.01E-08	6.42E-08	9.89E-09	9.41E-09	1.50E-07	1.59E-07	5.84E-08	7.95E-08	2.97E-08	1.59E-07	5.84E-08
1894	494911.1	3859252	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.19E-07	3.01E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	0.00E+00	0.00E+00	5.53E-08	9.96E-09	6.32E-08	9.75E-09	9.27E-09	1.48E-07	1.57E-07	5.75E-08	7.83E-08	2.93E-08	1.57E-07	5.75E-08
1895	494961.1	3859252	4.91E-04	4.79E-04	4.73E-04	1.70E-07	5.13E-07	2.97E-07	2.90E-07	2.63E-07	1.20E-07	1.18E-07	0.00E+00	0.00E+00	5.46E-08	9.84E-09	6.24E-08	9.63E-09	9.16E-09	1.46E-07	1.55E-07	5.68E-08	7.73E-08	2.89E-08	1.55E-07	5.68E-08
1896	495011.1	3859252	4.85E-04	4.73E-04	4.67E-04	1.68E-07	5.06E-07	2.93E-07	2.86E-07	2.59E-07	1.18E-07	1.17E-07	0.00E+00	0.00E+00	5.39E-08	9.71E-09	6.16E-08	9.50E-09	9.04E-09	1.44E-07	1.53E-07	5.61E-08	7.63E-08	2.85E-08	1.53E-07	5.61E-08
1897	495061.1	3859252	4.83E-04	4.71E-04	4.65E-04	1.67E-07	5.05E-07	2.92E-07	2.85E-07	2.58E-07	1.18E-07	1.16E-07	0.00E+00	0.00E+00	5.38E-08	9.68E-09	6.14E-08	9.47E-09	9.01E-09	1.43E-07	1.52E-07	5.59E-08	7.61E-08	2.84E-08	1.52E-07	5.59E-08
1898	495111.1	3859252	4.80E-04	4.68E-04	4.62E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.57E-07	1.17E-07	1.16E-07	0.00E+00	0.00E+00	5.34E-08	9.61E-09	6.10E-08	9.41E-09	8.95E-09	1.42E-07	1.51E-07	5.55E-08	7.56E-08	2.82E-08	1.51E-07	5.55E-08
1899	495161.1	3859252	4.77E-04	4.65E-04	4.59E-04	1.65E-07	4.98E-07	2.88E-07	2.81E-07	2.55E-07	1.16E-07	1.15E-07	0.00E+00	0.00E+00	5.31E-08	9.55E-09	6.06E-08	9.35E-09	8.89E-09	1.41E-07	1.50E-07	5.52E-08	7.51E-08	2.81E-08	1.50E-07	5.52E-08
1900	495211.1	3859252	4.73E-04	4.62E-04	4.55E-04	1.64E-07	4.94E-07	2.86E-07	2.79E-07	2.53E-07	1.16E-07	1.14E-07	0.00E+00	0.00E+00	5.26E-08	9.48E-09	6.01E-08	9.28E-09	8.83E-09	1.40E-07	1.49E-07	5.47E-08	7.45E-08	2.78E-08	1.49E-07	5.47E-08
1901	495261.1	3859252	4.69E-04	4.58E-04	4.52E-04	1.62E-07	4.90E-07	2.84E-07	2.77E-07	2.51E-07	1.15E-07	1.13E-07	0.00E+00	0.00E+00	5.22E-08	9.40E-09	5.97E-08	9.20E-09	8.76E-09	1.39E-07	1.48E-07	5.43E-08	7.39E-08	2.76E-08	1.48E-07	5.43E-08
1902	495311.1	3859252	4.69E-04	4.57E-04	4.51E-04	1.62E-07	4.90E-07	2.84E-07	2.77E-07	2.51E-07	1.14E-07	1.13E-07	0.00E+00	0.00E+00	5.22E-08	9.40E-09	5.96E-08	9.19E-09	8.75E-09	1.39E-07	1.48E-07	5.43E-08	7.39E-08	2.76E-08	1.48E-07	5.43E-08
1903	495361.1	3859252	4.66E-04	4.55E-04	4.49E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	5.19E-08	9.34E-09	5.92E-08	9.14E-09	8.69E-09	1.38E-07	1.47E-07	5.39E-08	7.34E-08	2.74E-08	1.47E-07	5.39E-08
1904	495411.1	3859252	4.65E-04	4.54E-04	4.48E-04	1.61E-07	4.86E-07	2.81E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	5.18E-08	9.32E-09	5.91E-08	9.12E-09	8.68E-09	1.38E-07	1.47E-07	5.38E-08	7.33E-08	2.74E-08	1.47E-07	5.38E-08
1905	495461.1	3859252	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	0.00E+00	0.00E+00	5.14E-08	9.26E-09	5.88E-08	9.06E-09	8.62E-09	1.37E-07	1.46E-07	5.35E-08	7.28E-08	2.72E-08	1.46E-07	5.35E-08
1906	495511.1	3859252	4.58E-04	4.47E-04	4.41E-04	1.58E-07	4.78E-07	2.77E-07	2.70E-07	2.45E-07	1.12E-07	1.10E-07	0.00E+00	0.00E+00	5.09E-08	9.17E-09	5.82E-08	8.97E-09	8.54E-09	1.36E-07	1.44E-07	5.30E-08	7.21E-08	2.69E-08	1.44E-07	5.30E-08
1907	495561.1	3859252	4.54E-04	4.43E-04	4.37E-04	1.57E-07	4.75E-07	2.75E-07	2.68E-07	2.43E-07	1.11E-07	1.09E-07	0.00E+00	0.00E+00	5.06E-08	9.10E-09	5.78E-08	8.91E-09	8.48E-09	1.35E-07	1.43E-07	5.26E-08	7.16E-08	2.67E-08	1.43E-07	5.26E-08
1908	495611.1	3859252	4.50E-04	4.39E-04	4.33E-04	1.56E-07	4.70E-07	2.72E-07	2.66E-07	2.41E-07	1.10E-07	1.08E-07	0.00E+00	0.00E+00	5.01E-08	9.01E-09	5.72E-08	8.82E-09	8.39E-09	1.33E-07	1.42E-07	5.21E-08	7.08E-08	2.65E-08	1.42E-07	5.21E-08
1909	495661.1	3859252	4.47E-04	4.36E-04	4.30E-04	1.55E-07	4.67E-07	2.70E-07	2.64E-07	2.39E-07	1.09E-07	1.08E-07	0.00E+00	0.00E+00	4.97E-08	8.95E-09	5.68E-08	8.76E-09	8.34E-09	1.33E-07	1.41E-07	5.17E-08	7.04E-08	2.63E-08	1.41E-07	5.17E-08
1910	494311.1	3859302	6.06E-04	5.91E-04	5.84E-04	2.10E-07	6.34E-07	3.67E-07	3.58E-07	3.24E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.75E-08	1.21E-08	7.71E-08	1.19E-08	1.13E-08	1.80E-07	1.91E-07	7.02E-08	9.55E-08	3.57E-08	1.91E-07	7.02E-08
1911	494361.1	3859302	5.98E-04	5.84E-04	5.76E-04	2.07E-07	6.25E-07	3.62E-07	3.53E-07	3.20E-07	1.46E-07	1.44E-07	0.00E+00	0.00E+00	6.66E-08	1.20E-08	7.61E-08	1.17E-08	1.12E-08	1.78E-07	1.89E-07	6.93E-08	9.42E-08	3.52E-08	1.89E-07	6.93E-08
1912	494411.1	3859302	5.89E-04	5.75E-04	5.67E-04	2.04E-07	6.16E-07	3.56E-07	3.48E-07	3.15E-07	1.44E-07	1.42E-07	0.00E+00	0.00E+00	6.56E-08	1.18E-08	7.49E-08	1.16E-08	1.10E-08	1.75E-07	1.86E-07	6.82E-08	9.28E-08	3.47E-08	1.86E-07	6.82E-08
1913	494461.1	3859302	5.80E-04	5.66E-04	5.58E-04	2.01E-07	6.06E-07	3.51E-07	3.42E-07	3.10E-07	1.42E-07	1.40E-07	0.00E+00	0.00E+00	6.46E-08	1.16E-08	7.38E-08	1.14E-08	1.08E-08	1.72E-07	1.83E-07	6.71E-08	9.14E-08	3.41E-08	1.83E-07	6.71E-08
1914	494511.1	3859302	5.72E-04	5.58E-04	5.50E-04	1.98E-07	5.98E-07	3.46E-07	3.38E-07	3.06E-07	1.40E-07	1.38E-07	0.00E+00	0.00E+00	6.36E-08	1.15E-08	7.27E-08	1.12E-08	1.07E-08	1.70E-07	1.80E-07	6.62E-08	9.01E-08	3.37E-08	1.80E-07	6.62E-08
1915	494561.1	3859302	5.65E-04	5.52E-04	5.44E-04	1.96E-07	5.91E-07	3.42E-07	3.34E-07	3.03E-07	1.38E-07	1.36E-07	0.00E+00	0.00E+00	6.29E-08	1.13E-08	7.19E-08	1.11E-08	1.06E-08	1.68E-07	1.78E-07	6.55E-08	8.91E-08	3.33E-08	1.78E-07	6.55E-08
1916	494611.1	3859302	5.58E-04	5.45E-04	5.37E-04	1.93E-07	5.83E-07	3.38E-07	3.29E-07	2.99E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.21E-08	1.12E-08	7.10E-08	1.09E-08	1.04E-08	1.66E-07	1.76E-07	6.46E-08	8.79E-08	3.28E-08	1.76E-07	6.46E-08
1917	494661.1	3859302	5.51E-04	5.38E-04	5.30E-04	1.91E-07	5.76E-07	3.33E-07	3.25E-07	2.95E-07	1.35E-07	1.33E-07	0.00E+00	0.00E+00	6.13E-08	1.10E-08	7.01E-08	1.08E-08	1.03E-08	1.64E-07	1.74E-07	6.38E-08	8.68E-08	3.24E-08	1.74E-07	6.38E-08
1918	494711.1	3859302	5.43E-04	5.30E-04	5.23E-04	1.88E-07	5.68E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.05E-08	1.09E-08	6.91E-08	1.07E-08	1.01E-08	1.61E-07	1.71E-07	6.29E-08	8.56E-08	3.20E-08	1.71E-07	6.29E-08

1919	494761.1	3859302	5.36E-04	5.23E-04	5.16E-04	1.86E-07	5.60E-07	3.24E-07	3.16E-07	2.87E-07	1.31E-07	1.29E-07	0.00E+00	0.00E+00	5.97E-08	1.07E-08	6.82E-08	1.05E-08	1.00E-08	1.59E-07	1.69E-07	6.20E-08	8.44E-08	3.16E-08	1.69E-07	6.20E-08
1920	494811.1	3859302	5.27E-04	5.14E-04	5.07E-04	1.82E-07	5.51E-07	3.19E-07	3.11E-07	2.82E-07	1.29E-07	1.27E-07	0.00E+00	0.00E+00	5.87E-08	1.06E-08	6.70E-08	1.03E-08	9.83E-09	1.56E-07	1.66E-07	6.10E-08	8.30E-08	3.10E-08	1.66E-07	6.10E-08
1921	494861.1	3859302	5.16E-04	5.03E-04	4.97E-04	1.79E-07	5.39E-07	3.12E-07	3.04E-07	2.76E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.74E-08	1.03E-08	6.56E-08	1.01E-08	9.62E-09	1.53E-07	1.63E-07	5.97E-08	8.12E-08	3.04E-08	1.63E-07	5.97E-08
1922	494911.1	3859302	5.09E-04	4.97E-04	4.90E-04	1.76E-07	5.32E-07	3.08E-07	3.01E-07	2.72E-07	1.24E-07	1.23E-07	0.00E+00	0.00E+00	5.67E-08	1.02E-08	6.47E-08	9.98E-09	9.50E-09	1.51E-07	1.61E-07	5.89E-08	8.02E-08	3.00E-08	1.61E-07	5.89E-08
1923	494961.1	3859302	4.98E-04	4.86E-04	4.79E-04	1.72E-07	5.20E-07	3.01E-07	2.94E-07	2.66E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.54E-08	9.98E-09	6.33E-08	9.76E-09	9.29E-09	1.48E-07	1.57E-07	5.76E-08	7.84E-08	2.93E-08	1.57E-07	5.76E-08
1924	495011.1	3859302	4.92E-04	4.81E-04	4.74E-04	1.70E-07	5.15E-07	2.98E-07	2.91E-07	2.64E-07	1.20E-07	1.19E-07	0.00E+00	0.00E+00	5.48E-08	9.87E-09	6.26E-08	9.66E-09	9.19E-09	1.46E-07	1.55E-07	5.70E-08	7.76E-08	2.90E-08	1.55E-07	5.70E-08
1925	495061.1	3859302	4.94E-04	4.82E-04	4.76E-04	1.71E-07	5.16E-07	2.99E-07	2.92E-07	2.64E-07	1.21E-07	1.19E-07	0.00E+00	0.00E+00	5.50E-08	9.90E-09	6.28E-08	9.69E-09	9.22E-09	1.47E-07	1.56E-07	5.72E-08	7.78E-08	2.91E-08	1.56E-07	5.72E-08
1926	495111.1	3859302	4.88E-04	4.77E-04	4.70E-04	1.69E-07	5.10E-07	2.95E-07	2.88E-07	2.61E-07	1.19E-07	1.18E-07	0.00E+00	0.00E+00	5.44E-08	9.79E-09	6.21E-08	9.58E-09	9.11E-09	1.45E-07	1.54E-07	5.65E-08	7.69E-08	2.87E-08	1.54E-07	5.65E-08
1927	495161.1	3859302	4.86E-04	4.74E-04	4.68E-04	1.68E-07	5.08E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	0.00E+00	0.00E+00	5.41E-08	9.74E-09	6.18E-08	9.54E-09	9.07E-09	1.44E-07	1.53E-07	5.63E-08	7.66E-08	2.86E-08	1.53E-07	5.63E-08
1928	495211.1	3859302	4.85E-04	4.74E-04	4.67E-04	1.68E-07	5.07E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	0.00E+00	0.00E+00	5.40E-08	9.73E-09	6.17E-08	9.52E-09	9.06E-09	1.44E-07	1.53E-07	5.62E-08	7.65E-08	2.86E-08	1.53E-07	5.62E-08
1929	495261.1	3859302	4.83E-04	4.72E-04	4.65E-04	1.67E-07	5.05E-07	2.92E-07	2.85E-07	2.59E-07	1.18E-07	1.16E-07	0.00E+00	0.00E+00	5.38E-08	9.69E-09	6.15E-08	9.48E-09	9.02E-09	1.43E-07	1.53E-07	5.60E-08	7.61E-08	2.85E-08	1.53E-07	5.60E-08
1930	495311.1	3859302	4.79E-04	4.67E-04	4.61E-04	1.66E-07	5.00E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.33E-08	9.60E-09	6.09E-08	9.39E-09	8.93E-09	1.42E-07	1.51E-07	5.54E-08	7.54E-08	2.82E-08	1.51E-07	5.54E-08
1931	495361.1	3859302	4.77E-04	4.66E-04	4.59E-04	1.65E-07	4.99E-07	2.89E-07	2.82E-07	2.55E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.31E-08	9.56E-09	6.07E-08	9.36E-09	8.90E-09	1.42E-07	1.51E-07	5.52E-08	7.52E-08	2.81E-08	1.51E-07	5.52E-08
1932	495411.1	3859302	4.75E-04	4.63E-04	4.57E-04	1.64E-07	4.96E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	0.00E+00	0.00E+00	5.28E-08	9.51E-09	6.04E-08	9.31E-09	8.86E-09	1.41E-07	1.50E-07	5.49E-08	7.48E-08	2.79E-08	1.50E-07	5.49E-08
1933	495461.1	3859302	4.72E-04	4.61E-04	4.55E-04	1.63E-07	4.93E-07	2.86E-07	2.79E-07	2.53E-07	1.15E-07	1.14E-07	0.00E+00	0.00E+00	5.26E-08	9.46E-09	6.00E-08	9.26E-09	8.81E-09	1.40E-07	1.49E-07	5.47E-08	7.44E-08	2.78E-08	1.49E-07	5.47E-08
1934	495511.1	3859302	4.68E-04	4.57E-04	4.51E-04	1.62E-07	4.89E-07	2.83E-07	2.76E-07	2.50E-07	1.14E-07	1.13E-07	0.00E+00	0.00E+00	5.21E-08	9.38E-09	5.95E-08	9.18E-09	8.73E-09	1.39E-07	1.48E-07	5.42E-08	7.37E-08	2.75E-08	1.48E-07	5.42E-08
1935	495561.1	3859302	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	0.00E+00	0.00E+00	5.14E-08	9.26E-09	5.88E-08	9.06E-09	8.62E-09	1.37E-07	1.46E-07	5.35E-08	7.28E-08	2.72E-08	1.46E-07	5.35E-08
1936	495611.1	3859302	4.59E-04	4.48E-04	4.42E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	5.11E-08	9.20E-09	5.84E-08	9.00E-09	8.56E-09	1.36E-07	1.45E-07	5.31E-08	7.23E-08	2.70E-08	1.45E-07	5.31E-08
1937	495661.1	3859302	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	0.00E+00	0.00E+00	5.07E-08	9.12E-09	5.79E-08	8.93E-09	8.49E-09	1.35E-07	1.44E-07	5.27E-08	7.17E-08	2.68E-08	1.44E-07	5.27E-08
1938	494311.1	3859352	6.20E-04	6.05E-04	5.97E-04	2.15E-07	6.48E-07	3.75E-07	3.66E-07	3.32E-07	1.51E-07	1.49E-07	0.00E+00	0.00E+00	6.90E-08	1.24E-08	7.89E-08	1.22E-08	1.16E-08	1.84E-07	1.96E-07	7.18E-08	9.77E-08	3.65E-08	1.96E-07	7.18E-08
1939	494361.1	3859352	6.12E-04	5.98E-04	5.90E-04	2.12E-07	6.40E-07	3.71E-07	3.62E-07	3.28E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.82E-08	1.23E-08	7.79E-08	1.20E-08	1.14E-08	1.82E-07	1.93E-07	7.09E-08	9.65E-08	3.60E-08	1.93E-07	7.09E-08
1940	494411.1	3859352	6.02E-04	5.87E-04	5.80E-04	2.08E-07	6.29E-07	3.64E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.70E-08	1.21E-08	7.66E-08	1.18E-08	1.12E-08	1.79E-07	1.90E-07	6.97E-08	9.48E-08	3.54E-08	1.90E-07	6.97E-08
1941	494461.1	3859352	5.93E-04	5.79E-04	5.71E-04	2.05E-07	6.20E-07	3.59E-07	3.50E-07	3.17E-07	1.45E-07	1.43E-07	0.00E+00	0.00E+00	6.60E-08	1.19E-08	7.54E-08	1.16E-08	1.11E-08	1.76E-07	1.87E-07	6.86E-08	9.34E-08	3.49E-08	1.87E-07	6.86E-08
1942	494511.1	3859352	5.85E-04	5.70E-04	5.63E-04	2.02E-07	6.11E-07	3.54E-07	3.45E-07	3.13E-07	1.43E-07	1.41E-07	0.00E+00	0.00E+00	6.51E-08	1.17E-08	7.43E-08	1.15E-08	1.09E-08	1.73E-07	1.84E-07	6.77E-08	9.21E-08	3.44E-08	1.84E-07	6.77E-08
1943	494561.1	3859352	5.78E-04	5.64E-04	5.57E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.10E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.44E-08	1.16E-08	7.35E-08	1.13E-08	1.08E-08	1.72E-07	1.83E-07	6.69E-08	9.11E-08	3.40E-08	1.83E-07	6.69E-08
1944	494611.1	3859352	5.71E-04	5.57E-04	5.50E-04	1.98E-07	5.97E-07	3.46E-07	3.37E-07	3.06E-07	1.40E-07	1.38E-07	0.00E+00	0.00E+00	6.36E-08	1.14E-08	7.27E-08	1.12E-08	1.07E-08	1.70E-07	1.80E-07	6.61E-08	9.00E-08	3.36E-08	1.80E-07	6.61E-08
1945	494661.1	3859352	5.64E-04	5.50E-04	5.43E-04	1.95E-07	5.89E-07	3.41E-07	3.33E-07	3.02E-07	1.38E-07	1.36E-07	0.00E+00	0.00E+00	6.28E-08	1.13E-08	7.17E-08	1.11E-08	1.05E-08	1.67E-07	1.78E-07	6.53E-08	8.88E-08	3.32E-08	1.78E-07	6.53E-08
1946	494711.1	3859352	5.55E-04	5.41E-04	5.34E-04	1.92E-07	5.80E-07	3.36E-07	3.28E-07	2.97E-07	1.35E-07	1.34E-07	0.00E+00	0.00E+00	6.17E-08	1.11E-08	7.05E-08	1.09E-08	1.04E-08	1.65E-07	1.75E-07	6.42E-08	8.74E-08	3.27E-08	1.75E-07	6.42E-08
1947	494761.1	3859352	5.43E-04	5.30E-04	5.23E-04	1.88E-07	5.67E-07	3.28E-07	3.20E-07	2.90E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.04E-08	1.09E-08	6.90E-08	1.06E-08	1.01E-08	1.61E-07	1.71E-07	6.28E-08	8.55E-08	3.19E-08	1.71E-07	6.28E-08
1948	494811.1	3859352	5.32E-04	5.19E-04	5.12E-04	1.84E-07	5.56E-07	3.22E-07	3.14E-07	2.85E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.92E-08	1.07E-08	6.76E-08	1.04E-08	9.92E-09	1.58E-07	1.68E-07	6.16E-08	8.38E-08	3.13E-08	1.68E-07	6.16E-08
1949	494861.1	3859352	5.26E-04	5.13E-04	5.07E-04	1.82E-07	5.50E-07	3.18E-07	3.11E-07	2.82E-07	1.28E-07	1.27E-07	0.00E+00	0.00E+00	5.86E-08	1.05E-08	6.69E-08	1.03E-08	9.82E-09	1.56E-07	1.66E-07	6.09E-08	8.29E-08	3.10E-08	1.66E-07	6.09E-08
1950	494911.1	3859352	5.22E-04	5.09E-04	5.02E-04	1.81E-07	5.45E-07	3.16E-07	3.08E-07	2.79E-07	1.27E-07	1.26E-07	0.00E+00	0.00E+00	5.81E-08	1.05E-08	6.63E-08	1.02E-08	9.73E-09	1.55E-07	1.65E-07	6.04E-08	8.22E-08	3.07E-08	1.65E-07	6.04E-08
1951	494961.1	3859352	5.15E-04	5.02E-04	4.96E-04	1.78E-07	5.38E-07	3.12E-07	3.04E-07	2.76E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.73E-08	1.03E-08	6.55E-08	1.01E-08	9.61E-09	1.53E-07	1.62E-07	5.96E-08	8.11E-08	3.03E-08	1.62E-07	5.96E-08
1952	495011.1	3859352	5.10E-04	4.98E-04	4.91E-04	1.77E-07	5.33E-07	3.09E-07	3.01E-07	2.73E-07	1.25E-07	1.23E-07	0.00E+00	0.00E+00	5.68E-08	1.02E-08	6.49E-08	1.00E-08	9.52E-09	1.51E-07	1.61E-07	5.91E-08	8.04E-08	3.00E-08	1.61E-07	5.91E-08
1953	495061.1	3859352	5.10E-04	4.98E-04	4.91E-04	1.77E-07	5.33E-07	3.09E-07	3.01E-07	2.73E-07	1.25E-07	1.23E-07	0.00E+00	0.00E+00	5.68E-08	1.02E-08	6.48E-08	1.00E-08	9.51E-09	1.51E-07	1.61E-07	5.90E-08	8.03E-08	3.00E-08	1.61E-07	5.90E-08
1954	495111.1	3859352	5.04E-04	4.92E-04	4.86E-04	1.75E-07	5.27E-07	3.05E-07	2.98E-07	2.70E-07	1.23E-07	1.22E-07	0.00E+00	0.00E+00	5.62E-08	1.01E-08	6.42E-08	9.89E-09	9.41E-09	1.50E-07	1.59E-07	5.84E-08	7.95E-08	2.97E-08	1.59E-07	5.84E-08
1955	495161.1	3859352	5.01E-04	4.89E-04	4.83E-04	1.73E-07	5.24E-07	3.03E-07	2.96E-07	2.68E-07	1.22E-07	1.21E-07	0.00E+00	0.00E+00	5.58E-08	1.00E-08	6.37E-08	9.83E-09	9.35E-09	1.49E-07	1.58E-07	5.80E-08	7.90E-08	2.95E-08	1.58E-07	5.80E-08
1956	495211.1	3859352	4.98E-04	4.86E-04	4.79E-04	1.72E-07	5.20E-07	3.01E-07	2.94E-07	2.66E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.54E-08	9.98E-09	6.33E-08	9.76E-09	9.29E-09	1.48E-07	1.57E-07	5.76E-08	7.84E-08	2.93E-08	1.57E-07	5.76E-08
1957	495261.1	3859352	4.95E-04	4.83E-04	4.77E-04	1.71E-07	5.18E-07	3.00E-07	2.92E-07	2.65E-07	1.21E-07	1.19E-07	0.00E+00	0.00E+00	5.51E-08	9.93E-09	6.30E-08	9.71E-09	9.24E-09	1.47E-07	1.56E-07	5.73E-08	7.80E-08	2.92E-08	1.56E-07	5.73E-08
1958	495311.1	3859352	4.91E-04	4.79E-04	4.73E-04	1.70E-07	5.13E-07	2.97E-07	2.90E-07	2.63E-07	1.20E-07	1.18E-07	0.00E+00	0.00E+00	5.46E-08	9.84E-09	6.24E-08	9.63E-09	9.16E-09	1.46E-07	1.55E-07	5.68E-08	7.73E-08	2.89E-08	1.55E-07	5.68E-08
1959	495361.1	3859352	4.87E-04	4.76E-04	4.69E-04	1.69E-07	5.10E-07	2.95E-07	2.88E-07	2.61E-07	1.19E-07	1.17E-07	0.00E+00	0.00E+00	5.43E-08	9.77E-09	6.20E-08	9.56E-09	9.10E-09	1.45E-07	1.54E-07	5.64E-08	7.68E-08	2.87E-08	1.54E-07	5.64E-08
1960	495411.1	3859352	4.85E-04	4.74E-04	4.67E-04	1.68E-07	5.07E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	0.00E+00	0.00E+00	5.40E-08	9.73E-09	6.17E-08	9.52E-09	9.06E-09	1.44E-07	1.53E-07	5.62E-08	7.65E-08	2.86E-08	1.53E-07	5.62E-08
1961	495461.1	3859352	4.84E-04	4.72E-04	4.66E-04	1.67E-07	5.06E-07	2.93E-07	2.86E-07	2.59E-07	1.18E-07	1.17E-07	0.00E+00	0.00E+00	5.38E-08	9.69E-09	6.15E-08	9.49E-09	9.03E-09	1.44E-07	1.53E-07	5.60E-08	7.62E-08	2.85E-08	1.53E-07	5.60E-08
1962	495511.1	3859352	4.78E-04	4.66E-04	4.60E-04	1.65E-07	5.00E-07	2.89E-07	2.82E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.32E-08	9.58E-09	6.08E-08	9.37E-09	8.92E-09	1.42E-07	1.51E-07	5.53E-08	7.53E-08	2.81E-08	1.51E-07	5.53E-08
1963	495561.1	3859352	4.74E-04	4.62E-04	4.56E-04	1.64E-07	4.95E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	0.00E+00	0.00E+00	5.27E-08	9.50E-09	6.03E-08	9.29E-09	8.84E-09	1.41E-07	1.50E-07	5.48E-08	7.46E-08	2.79E-08	1.50E-07	5.48E-08
1964	495611.1	3859352	4.70E-04	4.59E-04	4.53E-04	1.63E-07	4.92E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.13E-07	0.00E+00	0.00E+00	5.24E-08	9.43E-09	5.98E-08	9.23E-09	8.78E-09	1.40E-07	1.48E-07	5.45E-08	7.41E-08	2.77E-08	1.48E-07	5.45E-08
1965	495661.1	3859352	4.65E-04	4.54E-04	4.48E-04	1.61E-07	4.86E-07	2.81E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	5.18E-08	9.32E-09	5.91E-08	9.12E-09	8.68E-09	1.38E-07	1.47E-07	5.38E-08	7.33E-08	2.74E-08	1.47E-07	5.38E-08
1966	494311.1	3859402	6.36E-04	6.21E-04	6.13E-04	2.20E-07	6.65E-07	3.85E-07	3.76E-07	3.41E-07	1.55E-07	1.53E-07	0.00E+00	0.00E+00	7.08E-08	1.28E-08	8.09E-08	1.25E-08	1.19E-08	1.89E-07	2.01E-07	7.37E-08	1.00E-07	3.75E-08	2.01E-07	7.37E-08
1967	494361.1	3859402	6.25E-04	6.10E-04	6.02E-04	2.16E-07	6.53E-07	3.78E-07	3.69E-07	3.35E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.96E-08	1.25E-08	7.95E-08	1.23E-08	1.17E-08	1.86E-07	1.97E-07	7.24E-08	9.85E-08	3.68E-08	1.97E-07	7.24E-08
1968	494411.1	3859402	6.15E-04	6.00E-04	5.92E-04	2.13E-07	6.43E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.84E-08	1.23E-08	7.82E-08	1.21E-08	1.15E-08	1.82E-07	1.94E-07	7.12E-08	9.69E-08	3.62E-08	1.94E-07	7.12E-08
1969	494461.1	3859402	6.06E-04	5.91E-04	5.84E-04	2.10E-07	6.34E-07	3.67E-07	3.58E-07	3.24E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.75E-08	1.21E-08	7.71E-08	1.19E-08	1.13E-08	1.80E-07	1.91E-07	7.02E-08	9.55E-08	3.57E-08	1.91E-07	7.02E-08
1970	494511.1	3859402	5.99E-04	5.85E-04	5.77E-04	2.08E-07	6.27E-07	3.63E-07	3.54E-07	3.21E-07	1.46E-07	1.44E-07	0.00E+00	0.00E+00	6.67E-08	1.20E-08	7.62E-08	1.18E-08	1.12E-08	1.78E-07	1.89E-07	6.94E-08	9.44E-08	3.53E-08	1.89E-07	6.94E-08
1971	494561.1	3859402	5.93E-04	5.79E-04	5.71E-04	2.05E-07	6.20E-07	3.59E-07	3.50E-07	3.17E-07	1.45E-07	1.43E-07	0.00E+00	0.00E+00	6.60E-08	1.19E-08	7.54E-08	1.16E-08	1.11E-08	1.76E-07	1.87E-07	6.86E-08	9.34E-08	3.49E-08	1.87E-07	6.86E-08
1972	494611.1	3859402	5.85E-04	5.70E-04	5.63E-04	2.02E-07	6.11E-07	3.54E-07	3.45E-07	3.13E-07	1.43E-07	1.41E-07	0.00E+00	0.00E+00	6.51E-08	1.17E-08	7.43E-08	1.15E-08	1.09E-08	1.73E-07	1.84E-07	6.77E-08	9.21E-08	3.44E-08	1.84E-07	6.77E-08
1973	494661.1	3859402	5.79E-04	5.65E-04	5.57E-04	2.00E-07	6.05E-07	3.50E-07	3.42E-07	3.10E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.44E-08	1.16E-08	7.36E-08	1.13E-08	1.08E-08	1.72E-07	1.83E-07	6.70E-08	9.12E-08	3.41E-08	1.83E-07	6.70E-08
1974	494711.1	3859402	5.71E-04	5.57E-04	5.50E-04	1.98E-07	5.97E-07	3.45E-07	3.37E-07	3.06E-07	1.39E-07	1.38E-07	0.00E+00	0.00E+00	6.35E-08	1.14E-08	7.26E-08	1.12E-08	1.07E-08	1.69E-07	1.80E-07	6.61E-08	8.99E-08	3.36E-08	1.80E-07	6.61E-08
1975	494761.1	3859402	5.57E-04	5.44E-04	5.36E-04	1.93E-07	5.82E-07	3.37E-07	3.29E-07	2.98E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.20E-08	1.12E-08	7.09E-08	1.09E-08	1.04E-08	1.65E-07	1.76E-07	6.45E-08	8.78E-08	3.28E-08	1.76E-07	6.45E-08
1976	494811.1	3859402	5.50E-04	5.37E-04	5.30E-04	1.90E-07	5.75E-07	3.33E-07	3.25E-07	2.94E-07	1.34E-07	1.33E-07	0.00E+00	0.00E+00	6.12E-08	1.10E-08	7.00E-08	1.08E-08	1.03E-08	1.63E-07	1.74E-07	6.37E-08	8.67E-08	3.24E-08	1.74E-07	6.37E-08
1977	494861.1	3859402	5.40E-04	5.27E-04	5.20E-04	1.87E-07	5.64E-07	3.27E-07	3.19E-07	2.89E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	6.01E-08	1.08E-08	6.86E-08	1.06E-08	1.01E-08	1.60E-07	1.70E-07	6.25E-08	8.50E-08	3.18E-08	1.70E-07	6.25E-08
1978	494911.1	3859402	5.31E-04	5.19E-04	5.12E-04	1.84E-07	5.55E-07	3.22E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.92E-08	1.07E-08	6.76E-08	1.04E-08	9.92E-09	1.58E-07	1.68E-07	6.15E-08	8.37E-08	3.13E-08	1.68E-07	6.15E-08
1979	494961.1	3859402	5.28E-04	5.15E-04	5.09E-04	1.83E-07	5.52E-07	3.20E-07	3.12E-07	2.83E-07	1.29E-07	1.27E-07	0.00E+00	0.00E+00	5.88E-08	1.06E-08	6.72E-08	1.04E-08	9.85E-09	1.57E-07	1.67E-07	6.11E-08	8.32E-08	3.11E-08	1.67E-07	6.11E-08
1980	495011.1	3859402	5.24E-04	5.12E-04	5.05E-04	1.82E-07	5.48E-07	3.17E-07	3.10E-07	2.81E-07	1.28E-07	1.26E-07	0.00E+00	0.00E+00	5.84E-08	1.05E-08	6.67E-08	1.03E-08	9.79E-09	1.56E-07	1.66E-07	6.07E-08	8.26E-08	3.09E-08	1.66E-07	6.07E-08
1981	495061.1	3859402	5.20E-04	5.07E-04	5.01E-04	1.80E-07	5.43E-07	3.15E-07	3.07E-07	2.78E-07	1.27E-07	1.25E-07	0.00E+00	0.00E+00	5.79E-08	1.04E-08	6.61E-08	1.02E-08	9.70E-09	1.54E-07	1.64E-07	6.02E-08	8.19E-08	3.06E-08	1.64E-07	6.02E-08
1982	495111.1	3859402	5.14E-04	5.02E-04	4.95E-04	1.78E-07	5.37E-07	3.11E-07	3.04E-07	2.75E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.72E-08	1.03E-08	6.54E-08	1.01E-08	9.59E-09	1.53E-07	1.62E-07	5.95E-08	8.10E-08	3.03E-08	1.62E-07	5.95E-08
1983	495161.1	3859402	5.13E-04	5.00E-04	4.94E-04	1.78E-07	5.36E-07	3.10E-07	3.03E-07	2.74E-07	1.25E-07	1.24E-07	0.00E+00	0.00E+00	5.71E-08	1.03E-08	6.52E-08	1.01E-08	9.57E-09	1.52E-07	1.62E-07	5.94E-08	8.08E-08	3.02E-08	1.62E-07	5.94E-08
1984	495211.1	3859402	5.11E-04	4.98E-04	4.92E-04	1.77E-07	5.34E-07	3.09E-07	3.02E-07	2.73E-07	1.25E-07	1.23E-07	0.00E+00	0.00E+00	5.69E-08	1.02E-08	6.49E-08	1.00E-08	9.53E-09	1.52E-07	1.61E-07	5.91E-08	8.05E-08	3.01E-08	1.61E-07	5.91E-08
1985	495261.1	3859402	5.07E-04	4.95E-04	4.88E-04	1.75E-07	5.30E-07	3.07E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.64E-08	1.02E-08	6.45E-08	9.94E-09	9.46E-09	1.50E-07	1.60E-07	5.87E-08	7.99E-08	2.98E-08	1.60E-07	5.87E-08
1986	495311.1	3859402	5.03E-04	4.91E-04	4.84E-04	1.74E-07	5.26E-07	3.04E-07	2.97E-07	2.69E-07	1.23E-07	1.21E-07	0.00E+00	0.00E+00	5.60E-08	1.01E-08	6.39E-08	9.86E-09	9.38E-09	1.49E-07	1.59E-07	5.82E-08	7.92E-08	2.96E-08	1.59E-07	5.82E-08
1987	495361.1	3859402	5.01E-04	4.89E-04	4.83E-04	1.73E-07	5.24E-07	3.03E-07	2.96E-07	2.68E-07	1.22E-07	1.21E-07	0.00E+00	0.00E+00	5.58E-08	1.00E-08	6.37E-08	9.83E-09	9.35E-09	1.49E-07	1.58E-07	5.80E-08	7.90E-08	2.95E-08	1.58E-07	5.80E-08
1988	495411.1	3859402	4.99E-04	4.87E-04	4.80E-04	1.73E-07	5.21E-07	3.02E-07	2.94E-07	2.67E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.55E-08	9.99E-09	6.34E-08	9.78E-09	9.31E-09	1.48E-07	1.57E-07	5.77E-08	7.86E-08	2.94E-08	1.57E-07	5.77E-08
1989	495461.1	3859402	4.94E-04	4.82E-04	4.76E-04	1.71E-07	5.16E-07	2.99E-07	2.92E-07	2.64E-07	1.21E-07	1.19E-07	0.00E+00	0.00E+00	5.50E-08	9.90E-09	6.28E-08	9.69E-09	9.22E-09	1.47E-07	1.56E-07	5.72E-08	7.78E-08	2.91E-08	1.56E-07	5.72E-08
1990	495511.1	3859402	4.88E-04	4.77E-04	4.70E-04	1.69E-07	5.10E-07	2.95E-07	2.88E-07	2.61E-07	1.19E-07	1.18E-07	0.00E+00	0.00E+00	5.44E-08	9.79E-09	6.21E-08	9.58E-09	9.11E-09	1.45E-07	1.54E-07	5.65E-08	7.69E-08	2.87E-08	1.54E-07	5.65E-08
1991	495561.1	3859402	4.83E-04	4.71E-04	4.65E-04	1.67E-07	5.04E-07	2.92E-07	2.85E-07	2.58E-07	1.18E-07	1.16E-07	0.00E+00	0.00E+00	5.37E-08	9.67E-09	6.14E-08	9.46E-09	9.00E-09	1.43E-07	1.52E-07	5.59E-08	7.60E-08	2.84E-08	1.52E-07	5.59E-08
1992	495611.1	3859402	4.79E-04	4.67E-04	4.61E-04	1.66E-07	5.00E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.33E-08	9.60E-09	6.09E-08	9.39E-09	8.93E-09	1.42E-07	1.51E-07	5.54E-08	7.54E-08	2.82E-08	1.51E-07	5.54E-08
1993	495661.1	3859402	4.75E-04	4.64E-04	4.58E-04	1.65E-07	4.97E-07	2.88E-07	2.81E-07	2.54E-07	1.16E-07	1.15E-07	0.00E+00	0.00E+00	5.29E-08	9.53E-09	6.05E-08	9.32E-09	8.87E-09	1.41E-07	1.50E-07	5.50E-08	7.49E-08	2.80E-08	1.50E-07	5.50E-08
1994	494311.1	3859452	6.49E-04	6.34E-04	6.25E-04	2.25E-07	6.79E-07	3.93E-07	3.83E-07	3.48E-07	1.59E-07	1.56E-07	0.00E+00	0.00E+00	7.23E-08	1.30E-08	8.26E-08	1.27E-08	1.21E-08	1.93E-07	2.05E-07	7.52E-08	1.02E-07	3.82E-08	2.05E-07	7.52E-08
1995	494361.1	3859452	6.39E-04	6.23E-04	6.15E-04	2.21E-07	6.68E-07	3.87E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	0.00E+00	0.00E+00	7.11E-08	1.28E-08	8.13E-08	1.25E-08	1.19E-08	1.90E-07	2.02E-07	7.40E-08	1.01E-07	3.76E-08	2.02E-07	7.40E-08

1996	494411.1	3859452	6.25E-04	6.10E-04	6.02E-04	2.16E-07	6.53E-07	3.78E-07	3.69E-07	3.35E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.96E-08	1.25E-08	7.95E-08	1.23E-08	1.17E-08	1.86E-07	1.97E-07	7.24E-08	9.85E-08	3.68E-08	1.97E-07	7.24E-08
1997	494461.1	3859452	6.20E-04	6.05E-04	5.97E-04	2.15E-07	6.48E-07	3.75E-07	3.66E-07	3.32E-07	1.51E-07	1.49E-07	0.00E+00	0.00E+00	6.90E-08	1.24E-08	7.88E-08	1.22E-08	1.16E-08	1.84E-07	1.96E-07	7.18E-08	9.76E-08	3.65E-08	1.96E-07	7.18E-08
1998	494511.1	3859452	6.11E-04	5.96E-04	5.88E-04	2.12E-07	6.39E-07	3.70E-07	3.61E-07	3.27E-07	1.49E-07	1.47E-07	0.00E+00	0.00E+00	6.80E-08	1.22E-08	7.77E-08	1.20E-08	1.14E-08	1.81E-07	1.93E-07	7.07E-08	9.63E-08	3.60E-08	1.93E-07	7.07E-08
1999	494561.1	3859452	6.04E-04	5.90E-04	5.82E-04	2.09E-07	6.32E-07	3.66E-07	3.57E-07	3.24E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.73E-08	1.21E-08	7.69E-08	1.19E-08	1.13E-08	1.79E-07	1.91E-07	7.00E-08	9.52E-08	3.56E-08	1.91E-07	7.00E-08
2000	494611.1	3859452	5.99E-04	5.85E-04	5.77E-04	2.08E-07	6.27E-07	3.63E-07	3.54E-07	3.21E-07	1.46E-07	1.44E-07	0.00E+00	0.00E+00	6.67E-08	1.20E-08	7.62E-08	1.18E-08	1.12E-08	1.78E-07	1.89E-07	6.94E-08	9.44E-08	3.53E-08	1.89E-07	6.94E-08
2001	494661.1	3859452	5.91E-04	5.76E-04	5.69E-04	2.05E-07	6.17E-07	3.57E-07	3.49E-07	3.16E-07	1.44E-07	1.42E-07	0.00E+00	0.00E+00	6.58E-08	1.18E-08	7.51E-08	1.16E-08	1.10E-08	1.75E-07	1.86E-07	6.84E-08	9.31E-08	3.48E-08	1.86E-07	6.84E-08
2002	494711.1	3859452	5.82E-04	5.68E-04	5.61E-04	2.02E-07	6.09E-07	3.52E-07	3.44E-07	3.12E-07	1.42E-07	1.40E-07	0.00E+00	0.00E+00	6.48E-08	1.17E-08	7.41E-08	1.14E-08	1.09E-08	1.73E-07	1.84E-07	6.74E-08	9.18E-08	3.43E-08	1.84E-07	6.74E-08
2003	494761.1	3859452	5.75E-04	5.62E-04	5.54E-04	1.99E-07	6.01E-07	3.48E-07	3.40E-07	3.08E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.41E-08	1.15E-08	7.32E-08	1.13E-08	1.07E-08	1.71E-07	1.82E-07	6.66E-08	9.07E-08	3.39E-08	1.82E-07	6.66E-08
2004	494811.1	3859452	5.65E-04	5.51E-04	5.44E-04	1.96E-07	5.91E-07	3.42E-07	3.34E-07	3.02E-07	1.38E-07	1.36E-07	0.00E+00	0.00E+00	6.29E-08	1.13E-08	7.19E-08	1.11E-08	1.05E-08	1.68E-07	1.78E-07	6.54E-08	8.90E-08	3.33E-08	1.78E-07	6.54E-08
2005	494861.1	3859452	5.56E-04	5.43E-04	5.36E-04	1.93E-07	5.82E-07	3.37E-07	3.28E-07	2.98E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.19E-08	1.11E-08	7.08E-08	1.09E-08	1.04E-08	1.65E-07	1.76E-07	6.44E-08	8.76E-08	3.28E-08	1.76E-07	6.44E-08
2006	494911.1	3859452	5.49E-04	5.36E-04	5.29E-04	1.90E-07	5.74E-07	3.32E-07	3.24E-07	2.94E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.11E-08	1.10E-08	6.99E-08	1.08E-08	1.02E-08	1.63E-07	1.73E-07	6.36E-08	8.65E-08	3.23E-08	1.73E-07	6.36E-08
2007	494961.1	3859452	5.45E-04	5.32E-04	5.25E-04	1.89E-07	5.70E-07	3.30E-07	3.22E-07	2.92E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.07E-08	1.09E-08	6.93E-08	1.07E-08	1.02E-08	1.62E-07	1.72E-07	6.31E-08	8.59E-08	3.21E-08	1.72E-07	6.31E-08
2008	495011.1	3859452	5.40E-04	5.27E-04	5.20E-04	1.87E-07	5.64E-07	3.27E-07	3.19E-07	2.89E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	6.01E-08	1.08E-08	6.86E-08	1.06E-08	1.01E-08	1.60E-07	1.70E-07	6.25E-08	8.50E-08	3.18E-08	1.70E-07	6.25E-08
2009	495061.1	3859452	5.35E-04	5.22E-04	5.15E-04	1.85E-07	5.59E-07	3.24E-07	3.16E-07	2.86E-07	1.31E-07	1.29E-07	0.00E+00	0.00E+00	5.95E-08	1.07E-08	6.80E-08	1.05E-08	9.98E-09	1.59E-07	1.69E-07	6.19E-08	8.42E-08	3.15E-08	1.69E-07	6.19E-08
2010	495111.1	3859452	5.29E-04	5.17E-04	5.10E-04	1.83E-07	5.53E-07	3.20E-07	3.13E-07	2.83E-07	1.29E-07	1.28E-07	0.00E+00	0.00E+00	5.89E-08	1.06E-08	6.73E-08	1.04E-08	9.88E-09	1.57E-07	1.67E-07	6.13E-08	8.34E-08	3.12E-08	1.67E-07	6.13E-08
2011	495161.1	3859452	5.26E-04	5.13E-04	5.07E-04	1.82E-07	5.50E-07	3.18E-07	3.11E-07	2.82E-07	1.28E-07	1.27E-07	0.00E+00	0.00E+00	5.86E-08	1.05E-08	6.69E-08	1.03E-08	9.82E-09	1.56E-07	1.66E-07	6.09E-08	8.29E-08	3.10E-08	1.66E-07	6.09E-08
2012	495211.1	3859452	5.24E-04	5.11E-04	5.04E-04	1.81E-07	5.47E-07	3.17E-07	3.09E-07	2.80E-07	1.28E-07	1.26E-07	0.00E+00	0.00E+00	5.83E-08	1.05E-08	6.66E-08	1.03E-08	9.77E-09	1.55E-07	1.65E-07	6.06E-08	8.25E-08	3.08E-08	1.65E-07	6.06E-08
2013	495261.1	3859452	5.21E-04	5.08E-04	5.01E-04	1.80E-07	5.44E-07	3.15E-07	3.07E-07	2.79E-07	1.27E-07	1.25E-07	0.00E+00	0.00E+00	5.80E-08	1.04E-08	6.62E-08	1.02E-08	9.72E-09	1.55E-07	1.64E-07	6.03E-08	8.20E-08	3.07E-08	1.64E-07	6.03E-08
2014	495311.1	3859452	5.17E-04	5.04E-04	4.97E-04	1.79E-07	5.40E-07	3.13E-07	3.05E-07	2.76E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.75E-08	1.04E-08	6.57E-08	1.01E-08	9.64E-09	1.53E-07	1.63E-07	5.98E-08	8.14E-08	3.04E-08	1.63E-07	5.98E-08
2015	495361.1	3859452	5.13E-04	5.01E-04	4.94E-04	1.78E-07	5.36E-07	3.11E-07	3.03E-07	2.75E-07	1.25E-07	1.24E-07	0.00E+00	0.00E+00	5.71E-08	1.03E-08	6.53E-08	1.01E-08	9.58E-09	1.52E-07	1.62E-07	5.94E-08	8.08E-08	3.02E-08	1.62E-07	5.94E-08
2016	495411.1	3859452	5.09E-04	4.97E-04	4.90E-04	1.76E-07	5.32E-07	3.08E-07	3.01E-07	2.72E-07	1.24E-07	1.23E-07	0.00E+00	0.00E+00	5.67E-08	1.02E-08	6.47E-08	9.98E-09	9.50E-09	1.51E-07	1.61E-07	5.89E-08	8.02E-08	3.00E-08	1.61E-07	5.89E-08
2017	495461.1	3859452	5.05E-04	4.93E-04	4.87E-04	1.75E-07	5.28E-07	3.06E-07	2.98E-07	2.70E-07	1.23E-07	1.22E-07	0.00E+00	0.00E+00	5.62E-08	1.01E-08	6.43E-08	9.91E-09	9.43E-09	1.50E-07	1.59E-07	5.85E-08	7.96E-08	2.97E-08	1.59E-07	5.85E-08
2018	495511.1	3859452	4.99E-04	4.87E-04	4.80E-04	1.73E-07	5.21E-07	3.02E-07	2.94E-07	2.67E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.55E-08	9.99E-09	6.34E-08	9.78E-09	9.31E-09	1.48E-07	1.57E-07	5.77E-08	7.86E-08	2.94E-08	1.57E-07	5.77E-08
2019	495561.1	3859452	4.95E-04	4.83E-04	4.76E-04	1.71E-07	5.17E-07	2.99E-07	2.92E-07	2.65E-07	1.21E-07	1.19E-07	0.00E+00	0.00E+00	5.50E-08	9.91E-09	6.29E-08	9.70E-09	9.23E-09	1.47E-07	1.56E-07	5.72E-08	7.79E-08	2.91E-08	1.56E-07	5.72E-08
2020	495611.1	3859452	4.90E-04	4.78E-04	4.72E-04	1.70E-07	5.12E-07	2.96E-07	2.89E-07	2.62E-07	1.20E-07	1.18E-07	0.00E+00	0.00E+00	5.45E-08	9.82E-09	6.23E-08	9.61E-09	9.14E-09	1.45E-07	1.55E-07	5.67E-08	7.72E-08	2.88E-08	1.55E-07	5.67E-08
2021	495661.1	3859452	4.86E-04	4.74E-04	4.68E-04	1.68E-07	5.08E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	0.00E+00	0.00E+00	5.41E-08	9.74E-09	6.18E-08	9.54E-09	9.07E-09	1.44E-07	1.53E-07	5.63E-08	7.66E-08	2.86E-08	1.53E-07	5.63E-08
2022	494311.1	3859502	6.64E-04	6.48E-04	6.40E-04	2.30E-07	6.94E-07	4.02E-07	3.92E-07	3.56E-07	1.62E-07	1.60E-07	0.00E+00	0.00E+00	7.39E-08	1.33E-08	8.45E-08	1.30E-08	1.24E-08	1.97E-07	2.10E-07	7.69E-08	1.05E-07	3.91E-08	2.10E-07	7.69E-08
2023	494361.1	3859502	6.53E-04	6.38E-04	6.29E-04	2.26E-07	6.83E-07	3.95E-07	3.86E-07	3.50E-07	1.60E-07	1.57E-07	0.00E+00	0.00E+00	7.27E-08	1.31E-08	8.31E-08	1.28E-08	1.22E-08	1.94E-07	2.06E-07	7.56E-08	1.03E-07	3.85E-08	2.06E-07	7.56E-08
2024	494411.1	3859502	6.36E-04	6.21E-04	6.12E-04	2.20E-07	6.65E-07	3.85E-07	3.76E-07	3.40E-07	1.55E-07	1.53E-07	0.00E+00	0.00E+00	7.08E-08	1.27E-08	8.09E-08	1.25E-08	1.19E-08	1.89E-07	2.01E-07	7.36E-08	1.00E-07	3.74E-08	2.01E-07	7.36E-08
2025	494461.1	3859502	6.34E-04	6.19E-04	6.11E-04	2.20E-07	6.63E-07	3.84E-07	3.75E-07	3.40E-07	1.55E-07	1.53E-07	0.00E+00	0.00E+00	7.06E-08	1.27E-08	8.07E-08	1.24E-08	1.18E-08	1.88E-07	2.00E-07	7.34E-08	9.99E-08	3.73E-08	2.00E-07	7.34E-08
2026	494511.1	3859502	6.24E-04	6.09E-04	6.01E-04	2.16E-07	6.53E-07	3.78E-07	3.69E-07	3.34E-07	1.52E-07	1.50E-07	0.00E+00	0.00E+00	6.95E-08	1.25E-08	7.94E-08	1.22E-08	1.17E-08	1.85E-07	1.97E-07	7.23E-08	9.84E-08	3.68E-08	1.97E-07	7.23E-08
2027	494561.1	3859502	6.17E-04	6.02E-04	5.94E-04	2.13E-07	6.44E-07	3.73E-07	3.64E-07	3.30E-07	1.51E-07	1.49E-07	0.00E+00	0.00E+00	6.86E-08	1.24E-08	7.84E-08	1.21E-08	1.15E-08	1.83E-07	1.95E-07	7.14E-08	9.71E-08	3.63E-08	1.95E-07	7.14E-08
2028	494611.1	3859502	6.15E-04	6.00E-04	5.92E-04	2.13E-07	6.43E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.84E-08	1.23E-08	7.82E-08	1.21E-08	1.15E-08	1.82E-07	1.94E-07	7.12E-08	9.69E-08	3.62E-08	1.94E-07	7.12E-08
2029	494661.1	3859502	6.05E-04	5.90E-04	5.82E-04	2.09E-07	6.32E-07	3.66E-07	3.57E-07	3.24E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.73E-08	1.21E-08	7.69E-08	1.19E-08	1.13E-08	1.80E-07	1.91E-07	7.00E-08	9.53E-08	3.56E-08	1.91E-07	7.00E-08
2030	494711.1	3859502	5.93E-04	5.79E-04	5.71E-04	2.05E-07	6.20E-07	3.59E-07	3.50E-07	3.18E-07	1.45E-07	1.43E-07	0.00E+00	0.00E+00	6.60E-08	1.19E-08	7.54E-08	1.16E-08	1.11E-08	1.76E-07	1.87E-07	6.87E-08	9.35E-08	3.49E-08	1.87E-07	6.87E-08
2031	494761.1	3859502	5.90E-04	5.76E-04	5.68E-04	2.04E-07	6.17E-07	3.57E-07	3.48E-07	3.16E-07	1.44E-07	1.42E-07	0.00E+00	0.00E+00	6.57E-08	1.18E-08	7.50E-08	1.16E-08	1.10E-08	1.75E-07	1.86E-07	6.83E-08	9.29E-08	3.47E-08	1.86E-07	6.83E-08
2032	494811.1	3859502	5.76E-04	5.62E-04	5.55E-04	1.99E-07	6.02E-07	3.49E-07	3.40E-07	3.08E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.41E-08	1.15E-08	7.33E-08	1.13E-08	1.08E-08	1.71E-07	1.82E-07	6.67E-08	9.08E-08	3.39E-08	1.82E-07	6.67E-08
2033	494861.1	3859502	5.70E-04	5.56E-04	5.49E-04	1.97E-07	5.96E-07	3.45E-07	3.37E-07	3.05E-07	1.39E-07	1.37E-07	0.00E+00	0.00E+00	6.35E-08	1.14E-08	7.25E-08	1.12E-08	1.06E-08	1.69E-07	1.80E-07	6.60E-08	8.98E-08	3.36E-08	1.80E-07	6.60E-08
2034	494911.1	3859502	5.65E-04	5.52E-04	5.44E-04	1.96E-07	5.91E-07	3.42E-07	3.34E-07	3.03E-07	1.38E-07	1.36E-07	0.00E+00	0.00E+00	6.29E-08	1.13E-08	7.19E-08	1.11E-08	1.06E-08	1.68E-07	1.78E-07	6.55E-08	8.91E-08	3.33E-08	1.78E-07	6.55E-08
2035	494961.1	3859502	5.58E-04	5.45E-04	5.37E-04	1.93E-07	5.83E-07	3.38E-07	3.29E-07	2.99E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.21E-08	1.12E-08	7.10E-08	1.09E-08	1.04E-08	1.66E-07	1.76E-07	6.46E-08	8.79E-08	3.28E-08	1.76E-07	6.46E-08
2036	495011.1	3859502	5.54E-04	5.40E-04	5.33E-04	1.92E-07	5.79E-07	3.35E-07	3.27E-07	2.96E-07	1.35E-07	1.33E-07	0.00E+00	0.00E+00	6.17E-08	1.11E-08	7.04E-08	1.09E-08	1.03E-08	1.64E-07	1.75E-07	6.41E-08	8.73E-08	3.26E-08	1.75E-07	6.41E-08
2037	495061.1	3859502	5.50E-04	5.36E-04	5.29E-04	1.90E-07	5.75E-07	3.33E-07	3.25E-07	2.94E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.12E-08	1.10E-08	6.99E-08	1.08E-08	1.03E-08	1.63E-07	1.73E-07	6.36E-08	8.66E-08	3.24E-08	1.73E-07	6.36E-08
2038	495111.1	3859502	5.43E-04	5.30E-04	5.23E-04	1.88E-07	5.67E-07	3.28E-07	3.20E-07	2.90E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.04E-08	1.09E-08	6.90E-08	1.06E-08	1.01E-08	1.61E-07	1.71E-07	6.28E-08	8.55E-08	3.19E-08	1.71E-07	6.28E-08
2039	495161.1	3859502	5.39E-04	5.26E-04	5.19E-04	1.87E-07	5.63E-07	3.26E-07	3.18E-07	2.88E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	6.00E-08	1.08E-08	6.85E-08	1.06E-08	1.01E-08	1.60E-07	1.70E-07	6.24E-08	8.49E-08	3.17E-08	1.70E-07	6.24E-08
2040	495211.1	3859502	5.36E-04	5.23E-04	5.17E-04	1.86E-07	5.61E-07	3.25E-07	3.17E-07	2.87E-07	1.31E-07	1.29E-07	0.00E+00	0.00E+00	5.97E-08	1.08E-08	6.82E-08	1.05E-08	1.00E-08	1.59E-07	1.69E-07	6.21E-08	8.45E-08	3.16E-08	1.69E-07	6.21E-08
2041	495261.1	3859502	5.33E-04	5.20E-04	5.13E-04	1.85E-07	5.57E-07	3.23E-07	3.15E-07	2.85E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.93E-08	1.07E-08	6.78E-08	1.05E-08	9.95E-09	1.58E-07	1.68E-07	6.17E-08	8.40E-08	3.14E-08	1.68E-07	6.17E-08
2042	495311.1	3859502	5.30E-04	5.17E-04	5.10E-04	1.83E-07	5.54E-07	3.21E-07	3.13E-07	2.84E-07	1.29E-07	1.28E-07	0.00E+00	0.00E+00	5.90E-08	1.06E-08	6.74E-08	1.04E-08	9.89E-09	1.57E-07	1.67E-07	6.13E-08	8.35E-08	3.12E-08	1.67E-07	6.13E-08
2043	495361.1	3859502	5.25E-04	5.13E-04	5.06E-04	1.82E-07	5.49E-07	3.18E-07	3.10E-07	2.81E-07	1.28E-07	1.27E-07	0.00E+00	0.00E+00	5.85E-08	1.05E-08	6.68E-08	1.03E-08	9.80E-09	1.56E-07	1.66E-07	6.08E-08	8.27E-08	3.09E-08	1.66E-07	6.08E-08
2044	495411.1	3859502	5.22E-04	5.09E-04	5.03E-04	1.81E-07	5.46E-07	3.16E-07	3.08E-07	2.79E-07	1.27E-07	1.26E-07	0.00E+00	0.00E+00	5.81E-08	1.05E-08	6.64E-08	1.02E-08	9.74E-09	1.55E-07	1.65E-07	6.04E-08	8.22E-08	3.07E-08	1.65E-07	6.04E-08
2045	495461.1	3859502	5.17E-04	5.05E-04	4.98E-04	1.79E-07	5.41E-07	3.13E-07	3.05E-07	2.77E-07	1.26E-07	1.25E-07	0.00E+00	0.00E+00	5.76E-08	1.04E-08	6.58E-08	1.01E-08	9.65E-09	1.54E-07	1.63E-07	5.99E-08	8.15E-08	3.05E-08	1.63E-07	5.99E-08
2046	495511.1	3859502	5.08E-04	4.96E-04	4.89E-04	1.76E-07	5.31E-07	3.08E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.66E-08	1.02E-08	6.46E-08	9.97E-09	9.48E-09	1.51E-07	1.60E-07	5.88E-08	8.01E-08	2.99E-08	1.60E-07	5.88E-08
2047	495561.1	3859502	5.07E-04	4.94E-04	4.88E-04	1.75E-07	5.29E-07	3.07E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.64E-08	1.02E-08	6.44E-08	9.93E-09	9.45E-09	1.50E-07	1.60E-07	5.86E-08	7.98E-08	2.98E-08	1.60E-07	5.86E-08
2048	495611.1	3859502	5.02E-04	4.90E-04	4.83E-04	1.74E-07	5.25E-07	3.04E-07	2.96E-07	2.69E-07	1.23E-07	1.21E-07	0.00E+00	0.00E+00	5.59E-08	1.01E-08	6.38E-08	9.84E-09	9.37E-09	1.49E-07	1.58E-07	5.81E-08	7.91E-08	2.96E-08	1.58E-07	5.81E-08
2049	495661.1	3859502	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.19E-07	3.01E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	0.00E+00	0.00E+00	5.53E-08	9.96E-09	6.32E-08	9.75E-09	9.27E-09	1.48E-07	1.57E-07	5.75E-08	7.83E-08	2.93E-08	1.57E-07	5.75E-08
2050	494311.1	3859552	6.79E-04	6.62E-04	6.54E-04	2.35E-07	7.09E-07	4.11E-07	4.01E-07	3.63E-07	1.66E-07	1.64E-07	0.00E+00	0.00E+00	7.56E-08	1.36E-08	8.63E-08	1.33E-08	1.27E-08	2.01E-07	2.14E-07	7.86E-08	1.07E-07	4.00E-08	2.14E-07	7.86E-08
2051	494361.1	3859552	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	0.00E+00	0.00E+00	7.38E-08	1.33E-08	8.43E-08	1.30E-08	1.24E-08	1.97E-07	2.09E-07	7.67E-08	1.04E-07	3.90E-08	2.09E-07	7.67E-08
2052	494411.1	3859552	6.46E-04	6.31E-04	6.22E-04	2.24E-07	6.76E-07	3.91E-07	3.82E-07	3.46E-07	1.58E-07	1.56E-07	0.00E+00	0.00E+00	7.20E-08	1.30E-08	8.22E-08	1.27E-08	1.21E-08	1.92E-07	2.04E-07	7.48E-08	1.02E-07	3.81E-08	2.04E-07	7.48E-08
2053	494461.1	3859552	6.48E-04	6.32E-04	6.24E-04	2.24E-07	6.77E-07	3.92E-07	3.83E-07	3.47E-07	1.58E-07	1.56E-07	0.00E+00	0.00E+00	7.21E-08	1.30E-08	8.24E-08	1.27E-08	1.21E-08	1.92E-07	2.05E-07	7.50E-08	1.02E-07	3.81E-08	2.05E-07	7.50E-08
2054	494511.1	3859552	6.38E-04	6.23E-04	6.15E-04	2.21E-07	6.67E-07	3.86E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	0.00E+00	0.00E+00	7.11E-08	1.28E-08	8.12E-08	1.25E-08	1.19E-08	1.90E-07	2.02E-07	7.39E-08	1.01E-07	3.76E-08	2.02E-07	7.39E-08
2055	494561.1	3859552	6.30E-04	6.15E-04	6.07E-04	2.18E-07	6.59E-07	3.81E-07	3.72E-07	3.37E-07	1.54E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.26E-08	8.01E-08	1.24E-08	1.18E-08	1.87E-07	1.99E-07	7.30E-08	9.93E-08	3.71E-08	1.99E-07	7.30E-08
2056	494611.1	3859552	6.26E-04	6.11E-04	6.02E-04	2.17E-07	6.54E-07	3.79E-07	3.69E-07	3.35E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.96E-08	1.25E-08	7.96E-08	1.23E-08	1.17E-08	1.86E-07	1.97E-07	7.24E-08	9.86E-08	3.68E-08	1.97E-07	7.24E-08
2057	494661.1	3859552	6.19E-04	6.04E-04	5.96E-04	2.14E-07	6.47E-07	3.75E-07	3.65E-07	3.31E-07	1.51E-07	1.49E-07	0.00E+00	0.00E+00	6.89E-08	1.24E-08	7.87E-08	1.21E-08	1.16E-08	1.84E-07	1.95E-07	7.17E-08	9.75E-08	3.64E-08	1.95E-07	7.17E-08
2058	494711.1	3859552	6.02E-04	5.87E-04	5.80E-04	2.08E-07	6.29E-07	3.64E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.70E-08	1.21E-08	7.66E-08	1.18E-08	1.12E-08	1.79E-07	1.90E-07	6.97E-08	9.48E-08	3.54E-08	1.90E-07	6.97E-08
2059	494761.1	3859552	6.04E-04	5.89E-04	5.81E-04	2.09E-07	6.31E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.72E-08	1.21E-08	7.68E-08	1.18E-08	1.13E-08	1.79E-07	1.91E-07	6.99E-08	9.51E-08	3.55E-08	1.91E-07	6.99E-08
2060	494811.1	3859552	5.92E-04	5.77E-04	5.70E-04	2.05E-07	6.18E-07	3.58E-07	3.49E-07	3.17E-07	1.44E-07	1.43E-07	0.00E+00	0.00E+00	6.59E-08	1.19E-08	7.52E-08	1.16E-08	1.10E-08	1.76E-07	1.87E-07	6.85E-08	9.32E-08	3.48E-08	1.87E-07	6.85E-08
2061	494861.1	3859552	5.85E-04	5.71E-04	5.63E-04	2.02E-07	6.11E-07	3.54E-07	3.45E-07	3.13E-07	1.43E-07	1.41E-07	0.00E+00	0.00E+00	6.51E-08	1.17E-08	7.44E-08	1.15E-08	1.09E-08	1.74E-07	1.85E-07	6.77E-08	9.22E-08	3.44E-08	1.85E-07	6.77E-08
2062	494911.1	3859552	5.78E-04	5.64E-04	5.56E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.43E-08	1.16E-08	7.35E-08	1.13E-08	1.08E-08	1.72E-07	1.82E-07	6.69E-08	9.10E-08	3.40E-08	1.82E-07	6.69E-08
2063	494961.1	3859552	5.74E-04	5.60E-04	5.52E-04	1.99E-07	6.00E-07	3.47E-07	3.39E-07	3.07E-07	1.40E-07	1.38E-07	0.00E+00	0.00E+00	6.39E-08	1.15E-08	7.30E-08	1.13E-08	1.07E-08	1.70E-07	1.81E-07	6.64E-08	9.04E-08	3.38E-08	1.81E-07	6.64E-08
2064	495011.1	3859552	5.70E-04	5.56E-04	5.49E-04	1.97E-07	5.96E-07	3.45E-07	3.37E-07	3.05E-07	1.39E-07	1.37E-07	0.00E+00	0.00E+00	6.35E-08	1.14E-08	7.25E-08	1.12E-08	1.06E-08	1.69E-07	1.80E-07	6.60E-08	8.98E-08	3.36E-08	1.80E-07	6.60E-08
2065	495061.1	3859552	5.64E-04	5.51E-04	5.43E-04	1.95E-07	5.90E-07	3.41E-07	3.33E-07	3.02E-07	1.38E-07	1.36E-07	0.00E+00	0.00E+00	6.28E-08	1.13E-08	7.18E-08	1.11E-08	1.05E-08	1.67E-07	1.78E-07	6.53E-08	8.89E-08	3.32E-08	1.78E-07	6.53E-08
2066	495111.1	3859552	5.58E-04	5.45E-04	5.37E-04	1.93E-07	5.83E-07	3.38E-07	3.29E-07	2.99E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.21E-08	1.12E-08	7.10E-08	1.09E-08	1.04E-08	1.66E-07	1.76E-07	6.46E-08	8.79E-08	3.28E-08	1.76E-07	6.46E-08
2067	495161.1	3859552	5.54E-04	5.41E-04	5.34E-04	1.92E-07	5.79E-07	3.35E-07	3.27E-07	2.97E-07	1.35E-07	1.34E-07	0.00E+00	0.00E+00	6.17E-08	1.11E-08	7.05E-08	1.09E-08	1.03E-08	1.65E-07	1.75E-07	6.42E-08	8.73E-08	3.26E-08	1.75E-07	6.42E-08
2068	495211.1	3859552	5.52E-04	5.38E-04	5.31E-04	1.91E-07	5.77E-07	3.34E-07	3.26E-07	2.95E-07	1.35E-07	1.33E-07	0.00E+00	0.00E+00	6.14E-08	1.11E-08	7.02E-08	1.08E-08	1.03E-08	1.64E-07	1.74E-07	6.39E-08	8.69E-08	3.25E-08	1.74E-07	6.39E-08
2069	495261.1	3859552	5.46E-04	5.33E-04	5.26E-04	1.89E-07	5.71E-07	3.30E-07	3.22E-07	2.92E-07	1.33E-07	1.32E-07	0.00E+00	0.00E+00	6.08E-08	1.09E-08	6.94E-08	1.07E-08	1.02E-08	1.62E-07	1.72E-07	6.32E-08	8.60E-08	3.21E-08	1.72E-07	6.32E-08
2070	495311.1	3859552	5.42E-04	5.29E-04	5.22E-04	1.88E-07	5.66E-07	3.28E-07	3.20E-07	2.90E-07	1.32E-07	1.31E-07	0.00E+00	0.00E+00	6.03E-08	1.09E-08	6.89E-08	1.06E-08	1.01E-08	1.61E-07	1.71E-07	6.27E-08	8.54E-08	3.19E-08	1.71E-07	6.27E-08
2071	495361.1	3859552	5.38E-04	5.25E-04	5.18E-04	1.86E-07	5.62E-07	3.26E-07	3.18E-07	2.88E-07	1.31E-07	1.30E-07	0.00E+00	0.00E+00	5.99E-08	1.08E-08	6.84E-08	1.06E-08	1.00E-08	1.60E-07	1.70E-07	6.23E-08	8.48E-08	3.17E-08	1.70E-07	6.23E-08
2072	495411.1	3859552	5.35E-04	5.22E-04	5.15E-04	1.85E-07	5.59E-07	3.24E-07	3.16E-07	2.86E-07	1.31E-07	1.29E-07	0.00E+00	0.00E+00	5.95E-08	1.07E-08	6.80E-08	1.05E-08	9.98E-09	1.59E-07	1.69E-07	6.19E-08	8.42E-08	3.15E-08	1.69E-07	6.19E-08

2073	495461.1	3859552	5.28E-04	5.15E-04	5.09E-04	1.83E-07	5.52E-07	3.20E-07	3.12E-07	2.83E-07	1.29E-07	1.27E-07	0.00E+00	0.00E+00	5.88E-08	1.06E-08	6.72E-08	1.04E-08	9.85E-09	1.57E-07	1.67E-07	6.11E-08	8.32E-08	3.11E-08	1.67E-07	6.11E-08
2074	495511.1	3859552	5.22E-04	5.09E-04	5.03E-04	1.81E-07	5.46E-07	3.16E-07	3.08E-07	2.79E-07	1.27E-07	1.26E-07	0.00E+00	0.00E+00	5.81E-08	1.05E-08	6.64E-08	1.02E-08	9.74E-09	1.55E-07	1.65E-07	6.04E-08	8.22E-08	3.07E-08	1.65E-07	6.04E-08
2075	495561.1	3859552	5.18E-04	5.05E-04	4.99E-04	1.79E-07	5.41E-07	3.13E-07	3.06E-07	2.77E-07	1.26E-07	1.25E-07	0.00E+00	0.00E+00	5.76E-08	1.04E-08	6.58E-08	1.02E-08	9.66E-09	1.54E-07	1.63E-07	5.99E-08	8.16E-08	3.05E-08	1.63E-07	5.99E-08
2076	495611.1	3859552	5.13E-04	5.01E-04	4.94E-04	1.78E-07	5.36E-07	3.11E-07	3.03E-07	2.75E-07	1.25E-07	1.24E-07	0.00E+00	0.00E+00	5.71E-08	1.03E-08	6.53E-08	1.01E-08	9.58E-09	1.52E-07	1.62E-07	5.94E-08	8.08E-08	3.02E-08	1.62E-07	5.94E-08
2077	495661.1	3859552	5.08E-04	4.96E-04	4.89E-04	1.76E-07	5.31E-07	3.08E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.66E-08	1.02E-08	6.46E-08	9.97E-09	9.48E-09	1.51E-07	1.60E-07	5.88E-08	8.01E-08	2.99E-08	1.60E-07	5.88E-08
2078	494311.1	3859602	6.95E-04	6.78E-04	6.69E-04	2.41E-07	7.26E-07	4.20E-07	4.10E-07	3.72E-07	1.70E-07	1.67E-07	0.00E+00	0.00E+00	7.74E-08	1.39E-08	8.84E-08	1.36E-08	1.30E-08	2.06E-07	2.19E-07	8.04E-08	1.09E-07	4.09E-08	2.19E-07	8.04E-08
2079	494361.1	3859602	6.74E-04	6.57E-04	6.49E-04	2.33E-07	7.04E-07	4.08E-07	3.98E-07	3.61E-07	1.65E-07	1.62E-07	0.00E+00	0.00E+00	7.50E-08	1.35E-08	8.57E-08	1.32E-08	1.26E-08	2.00E-07	2.13E-07	7.80E-08	1.06E-07	3.97E-08	2.13E-07	7.80E-08
2080	494411.1	3859602	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	0.00E+00	0.00E+00	7.38E-08	1.33E-08	8.43E-08	1.30E-08	1.24E-08	1.97E-07	2.09E-07	7.67E-08	1.04E-07	3.90E-08	2.09E-07	7.67E-08
2081	494461.1	3859602	6.62E-04	6.46E-04	6.38E-04	2.29E-07	6.92E-07	4.01E-07	3.91E-07	3.54E-07	1.62E-07	1.60E-07	0.00E+00	0.00E+00	7.37E-08	1.33E-08	8.42E-08	1.30E-08	1.24E-08	1.97E-07	2.09E-07	7.66E-08	1.04E-07	3.90E-08	2.09E-07	7.66E-08
2082	494511.1	3859602	6.49E-04	6.33E-04	6.25E-04	2.25E-07	6.78E-07	3.93E-07	3.83E-07	3.47E-07	1.58E-07	1.56E-07	0.00E+00	0.00E+00	7.22E-08	1.30E-08	8.25E-08	1.27E-08	1.21E-08	1.93E-07	2.05E-07	7.51E-08	1.02E-07	3.82E-08	2.05E-07	7.51E-08
2083	494561.1	3859602	6.46E-04	6.31E-04	6.22E-04	2.24E-07	6.76E-07	3.91E-07	3.82E-07	3.46E-07	1.58E-07	1.56E-07	0.00E+00	0.00E+00	7.20E-08	1.30E-08	8.22E-08	1.27E-08	1.21E-08	1.92E-07	2.04E-07	7.48E-08	1.02E-07	3.81E-08	2.04E-07	7.48E-08
2084	494611.1	3859602	6.42E-04	6.27E-04	6.18E-04	2.22E-07	6.71E-07	3.89E-07	3.79E-07	3.44E-07	1.57E-07	1.55E-07	0.00E+00	0.00E+00	7.15E-08	1.29E-08	8.17E-08	1.26E-08	1.20E-08	1.91E-07	2.03E-07	7.43E-08	1.01E-07	3.78E-08	2.03E-07	7.43E-08
2085	494661.1	3859602	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.55E-07	3.79E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.98E-08	1.26E-08	7.97E-08	1.23E-08	1.17E-08	1.86E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
2086	494711.1	3859602	6.16E-04	6.01E-04	5.93E-04	2.13E-07	6.44E-07	3.73E-07	3.64E-07	3.30E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.86E-08	1.23E-08	7.83E-08	1.21E-08	1.15E-08	1.83E-07	1.94E-07	7.13E-08	9.71E-08	3.63E-08	1.94E-07	7.13E-08
2087	494761.1	3859602	6.20E-04	6.05E-04	5.97E-04	2.15E-07	6.48E-07	3.75E-07	3.66E-07	3.32E-07	1.51E-07	1.49E-07	0.00E+00	0.00E+00	6.90E-08	1.24E-08	7.88E-08	1.22E-08	1.16E-08	1.84E-07	1.96E-07	7.18E-08	9.76E-08	3.65E-08	1.96E-07	7.18E-08
2088	494811.1	3859602	6.07E-04	5.92E-04	5.84E-04	2.10E-07	6.34E-07	3.67E-07	3.58E-07	3.25E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.76E-08	1.22E-08	7.72E-08	1.19E-08	1.13E-08	1.80E-07	1.92E-07	7.03E-08	9.56E-08	3.57E-08	1.92E-07	7.03E-08
2089	494861.1	3859602	6.01E-04	5.87E-04	5.79E-04	2.08E-07	6.28E-07	3.64E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.69E-08	1.20E-08	7.64E-08	1.18E-08	1.12E-08	1.78E-07	1.90E-07	6.96E-08	9.47E-08	3.54E-08	1.90E-07	6.96E-08
2090	494911.1	3859602	5.92E-04	5.77E-04	5.70E-04	2.05E-07	6.18E-07	3.58E-07	3.49E-07	3.17E-07	1.44E-07	1.43E-07	0.00E+00	0.00E+00	6.59E-08	1.19E-08	7.52E-08	1.16E-08	1.10E-08	1.76E-07	1.87E-07	6.85E-08	9.32E-08	3.48E-08	1.87E-07	6.85E-08
2091	494961.1	3859602	5.91E-04	5.76E-04	5.69E-04	2.05E-07	6.17E-07	3.57E-07	3.49E-07	3.16E-07	1.44E-07	1.42E-07	0.00E+00	0.00E+00	6.58E-08	1.18E-08	7.51E-08	1.16E-08	1.10E-08	1.75E-07	1.86E-07	6.84E-08	9.31E-08	3.48E-08	1.86E-07	6.84E-08
2092	495011.1	3859602	5.81E-04	5.67E-04	5.60E-04	2.01E-07	6.08E-07	3.52E-07	3.43E-07	3.11E-07	1.42E-07	1.40E-07	0.00E+00	0.00E+00	6.47E-08	1.16E-08	7.39E-08	1.14E-08	1.08E-08	1.73E-07	1.83E-07	6.73E-08	9.16E-08	3.42E-08	1.83E-07	6.73E-08
2093	495061.1	3859602	5.79E-04	5.65E-04	5.57E-04	2.00E-07	6.05E-07	3.50E-07	3.42E-07	3.10E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.44E-08	1.16E-08	7.36E-08	1.13E-08	1.08E-08	1.72E-07	1.83E-07	6.70E-08	9.12E-08	3.41E-08	1.83E-07	6.70E-08
2094	495111.1	3859602	5.72E-04	5.58E-04	5.50E-04	1.98E-07	5.98E-07	3.46E-07	3.38E-07	3.06E-07	1.40E-07	1.38E-07	0.00E+00	0.00E+00	6.36E-08	1.15E-08	7.27E-08	1.12E-08	1.07E-08	1.70E-07	1.80E-07	6.62E-08	9.01E-08	3.37E-08	1.80E-07	6.62E-08
2095	495161.1	3859602	5.68E-04	5.55E-04	5.47E-04	1.97E-07	5.94E-07	3.44E-07	3.36E-07	3.04E-07	1.39E-07	1.37E-07	0.00E+00	0.00E+00	6.33E-08	1.14E-08	7.23E-08	1.11E-08	1.06E-08	1.69E-07	1.79E-07	6.58E-08	8.95E-08	3.35E-08	1.79E-07	6.58E-08
2096	495211.1	3859602	5.64E-04	5.50E-04	5.43E-04	1.95E-07	5.89E-07	3.41E-07	3.33E-07	3.02E-07	1.38E-07	1.36E-07	0.00E+00	0.00E+00	6.28E-08	1.13E-08	7.17E-08	1.11E-08	1.05E-08	1.67E-07	1.78E-07	6.53E-08	8.88E-08	3.32E-08	1.78E-07	6.53E-08
2097	495261.1	3859602	5.60E-04	5.47E-04	5.39E-04	1.94E-07	5.85E-07	3.39E-07	3.31E-07	3.00E-07	1.37E-07	1.35E-07	0.00E+00	0.00E+00	6.23E-08	1.12E-08	7.12E-08	1.10E-08	1.05E-08	1.66E-07	1.77E-07	6.48E-08	8.82E-08	3.30E-08	1.77E-07	6.48E-08
2098	495311.1	3859602	5.57E-04	5.44E-04	5.36E-04	1.93E-07	5.82E-07	3.37E-07	3.29E-07	2.98E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.20E-08	1.12E-08	7.09E-08	1.09E-08	1.04E-08	1.65E-07	1.76E-07	6.45E-08	8.78E-08	3.28E-08	1.76E-07	6.45E-08
2099	495361.1	3859602	5.52E-04	5.39E-04	5.32E-04	1.91E-07	5.77E-07	3.34E-07	3.26E-07	2.96E-07	1.35E-07	1.33E-07	0.00E+00	0.00E+00	6.15E-08	1.11E-08	7.02E-08	1.08E-08	1.03E-08	1.64E-07	1.74E-07	6.39E-08	8.70E-08	3.25E-08	1.74E-07	6.39E-08
2100	495411.1	3859602	5.49E-04	5.36E-04	5.28E-04	1.90E-07	5.74E-07	3.32E-07	3.24E-07	2.94E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.11E-08	1.10E-08	6.98E-08	1.08E-08	1.02E-08	1.63E-07	1.73E-07	6.35E-08	8.65E-08	3.23E-08	1.73E-07	6.35E-08
2101	495461.1	3859602	5.41E-04	5.28E-04	5.21E-04	1.87E-07	5.65E-07	3.27E-07	3.19E-07	2.90E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	6.02E-08	1.08E-08	6.88E-08	1.06E-08	1.01E-08	1.61E-07	1.71E-07	6.26E-08	8.52E-08	3.18E-08	1.71E-07	6.26E-08
2102	495511.1	3859602	5.33E-04	5.20E-04	5.13E-04	1.85E-07	5.57E-07	3.23E-07	3.15E-07	2.85E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.93E-08	1.07E-08	6.78E-08	1.05E-08	9.95E-09	1.58E-07	1.68E-07	6.17E-08	8.40E-08	3.14E-08	1.68E-07	6.17E-08
2103	495561.1	3859602	5.31E-04	5.19E-04	5.12E-04	1.84E-07	5.55E-07	3.22E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.92E-08	1.07E-08	6.76E-08	1.04E-08	9.92E-09	1.58E-07	1.68E-07	6.15E-08	8.37E-08	3.13E-08	1.68E-07	6.15E-08
2104	495611.1	3859602	5.24E-04	5.11E-04	5.04E-04	1.81E-07	5.47E-07	3.17E-07	3.09E-07	2.80E-07	1.28E-07	1.26E-07	0.00E+00	0.00E+00	5.83E-08	1.05E-08	6.66E-08	1.03E-08	9.77E-09	1.55E-07	1.65E-07	6.06E-08	8.25E-08	3.08E-08	1.65E-07	6.06E-08
2105	495661.1	3859602	5.20E-04	5.08E-04	5.01E-04	1.80E-07	5.44E-07	3.15E-07	3.07E-07	2.78E-07	1.27E-07	1.25E-07	0.00E+00	0.00E+00	5.79E-08	1.04E-08	6.62E-08	1.02E-08	9.71E-09	1.54E-07	1.64E-07	6.02E-08	8.20E-08	3.06E-08	1.64E-07	6.02E-08
2106	494311.1	3859652	7.07E-04	6.89E-04	6.80E-04	2.45E-07	7.38E-07	4.28E-07	4.17E-07	3.78E-07	1.73E-07	1.70E-07	0.00E+00	0.00E+00	7.86E-08	1.42E-08	8.99E-08	1.39E-08	1.32E-08	2.10E-07	2.23E-07	8.18E-08	1.11E-07	4.16E-08	2.23E-07	8.18E-08
2107	494361.1	3859652	6.87E-04	6.70E-04	6.61E-04	2.38E-07	7.18E-07	4.15E-07	4.05E-07	3.67E-07	1.68E-07	1.65E-07	0.00E+00	0.00E+00	7.64E-08	1.38E-08	8.73E-08	1.35E-08	1.28E-08	2.04E-07	2.17E-07	7.95E-08	1.08E-07	4.04E-08	2.17E-07	7.95E-08
2108	494411.1	3859652	6.78E-04	6.62E-04	6.53E-04	2.35E-07	7.09E-07	4.10E-07	4.01E-07	3.63E-07	1.66E-07	1.63E-07	0.00E+00	0.00E+00	7.55E-08	1.36E-08	8.63E-08	1.33E-08	1.27E-08	2.01E-07	2.14E-07	7.85E-08	1.07E-07	3.99E-08	2.14E-07	7.85E-08
2109	494461.1	3859652	6.77E-04	6.61E-04	6.52E-04	2.35E-07	7.08E-07	4.10E-07	4.00E-07	3.63E-07	1.65E-07	1.63E-07	0.00E+00	0.00E+00	7.54E-08	1.36E-08	8.62E-08	1.33E-08	1.26E-08	2.01E-07	2.14E-07	7.84E-08	1.07E-07	3.99E-08	2.14E-07	7.84E-08
2110	494511.1	3859652	6.68E-04	6.52E-04	6.44E-04	2.31E-07	6.99E-07	4.04E-07	3.95E-07	3.58E-07	1.63E-07	1.61E-07	0.00E+00	0.00E+00	7.44E-08	1.34E-08	8.50E-08	1.31E-08	1.25E-08	1.98E-07	2.11E-07	7.74E-08	1.05E-07	3.93E-08	2.11E-07	7.74E-08
2111	494561.1	3859652	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	0.00E+00	0.00E+00	7.38E-08	1.33E-08	8.43E-08	1.30E-08	1.24E-08	1.97E-07	2.09E-07	7.67E-08	1.04E-07	3.90E-08	2.09E-07	7.67E-08
2112	494611.1	3859652	6.56E-04	6.40E-04	6.32E-04	2.27E-07	6.86E-07	3.97E-07	3.88E-07	3.51E-07	1.60E-07	1.58E-07	0.00E+00	0.00E+00	7.31E-08	1.32E-08	8.35E-08	1.29E-08	1.22E-08	1.95E-07	2.07E-07	7.60E-08	1.03E-07	3.86E-08	2.07E-07	7.60E-08
2113	494661.1	3859652	6.38E-04	6.23E-04	6.15E-04	2.21E-07	6.67E-07	3.86E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	0.00E+00	0.00E+00	7.11E-08	1.28E-08	8.12E-08	1.25E-08	1.19E-08	1.90E-07	2.02E-07	7.39E-08	1.01E-07	3.76E-08	2.02E-07	7.39E-08
2114	494711.1	3859652	6.33E-04	6.18E-04	6.10E-04	2.19E-07	6.62E-07	3.83E-07	3.74E-07	3.39E-07	1.55E-07	1.53E-07	0.00E+00	0.00E+00	7.05E-08	1.27E-08	8.05E-08	1.24E-08	1.18E-08	1.88E-07	2.00E-07	7.33E-08	9.97E-08	3.73E-08	2.00E-07	7.33E-08
2115	494761.1	3859652	6.31E-04	6.16E-04	6.08E-04	2.19E-07	6.60E-07	3.82E-07	3.73E-07	3.38E-07	1.54E-07	1.52E-07	0.00E+00	0.00E+00	7.03E-08	1.27E-08	8.03E-08	1.24E-08	1.18E-08	1.87E-07	1.99E-07	7.31E-08	9.95E-08	3.72E-08	1.99E-07	7.31E-08
2116	494811.1	3859652	6.22E-04	6.07E-04	5.99E-04	2.15E-07	6.50E-07	3.77E-07	3.67E-07	3.33E-07	1.52E-07	1.50E-07	0.00E+00	0.00E+00	6.93E-08	1.25E-08	7.91E-08	1.22E-08	1.16E-08	1.85E-07	1.96E-07	7.20E-08	9.80E-08	3.66E-08	1.96E-07	7.20E-08
2117	494861.1	3859652	6.17E-04	6.02E-04	5.94E-04	2.14E-07	6.45E-07	3.73E-07	3.64E-07	3.30E-07	1.51E-07	1.49E-07	0.00E+00	0.00E+00	6.87E-08	1.24E-08	7.85E-08	1.21E-08	1.15E-08	1.83E-07	1.95E-07	7.14E-08	9.72E-08	3.63E-08	1.95E-07	7.14E-08
2118	494911.1	3859652	6.10E-04	5.95E-04	5.87E-04	2.11E-07	6.37E-07	3.69E-07	3.60E-07	3.26E-07	1.49E-07	1.47E-07	0.00E+00	0.00E+00	6.79E-08	1.22E-08	7.76E-08	1.20E-08	1.14E-08	1.81E-07	1.92E-07	7.06E-08	9.61E-08	3.59E-08	1.92E-07	7.06E-08
2119	494961.1	3859652	6.04E-04	5.90E-04	5.82E-04	2.09E-07	6.32E-07	3.66E-07	3.57E-07	3.24E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.73E-08	1.21E-08	7.69E-08	1.19E-08	1.13E-08	1.79E-07	1.91E-07	7.00E-08	9.52E-08	3.56E-08	1.91E-07	7.00E-08
2120	495011.1	3859652	5.98E-04	5.84E-04	5.76E-04	2.07E-07	6.25E-07	3.62E-07	3.53E-07	3.20E-07	1.46E-07	1.44E-07	0.00E+00	0.00E+00	6.66E-08	1.20E-08	7.61E-08	1.17E-08	1.12E-08	1.78E-07	1.89E-07	6.93E-08	9.42E-08	3.52E-08	1.89E-07	6.93E-08
2121	495061.1	3859652	5.94E-04	5.80E-04	5.72E-04	2.06E-07	6.21E-07	3.59E-07	3.51E-07	3.18E-07	1.45E-07	1.43E-07	0.00E+00	0.00E+00	6.61E-08	1.19E-08	7.56E-08	1.17E-08	1.11E-08	1.76E-07	1.88E-07	6.88E-08	9.36E-08	3.50E-08	1.88E-07	6.88E-08
2122	495111.1	3859652	5.87E-04	5.73E-04	5.66E-04	2.03E-07	6.14E-07	3.55E-07	3.47E-07	3.14E-07	1.43E-07	1.42E-07	0.00E+00	0.00E+00	6.54E-08	1.18E-08	7.47E-08	1.15E-08	1.10E-08	1.74E-07	1.85E-07	6.80E-08	9.25E-08	3.46E-08	1.85E-07	6.80E-08
2123	495161.1	3859652	5.83E-04	5.69E-04	5.61E-04	2.02E-07	6.09E-07	3.53E-07	3.44E-07	3.12E-07	1.42E-07	1.40E-07	0.00E+00	0.00E+00	6.49E-08	1.17E-08	7.41E-08	1.14E-08	1.09E-08	1.73E-07	1.84E-07	6.75E-08	9.18E-08	3.43E-08	1.84E-07	6.75E-08
2124	495211.1	3859652	5.79E-04	5.65E-04	5.57E-04	2.00E-07	6.05E-07	3.50E-07	3.42E-07	3.10E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.44E-08	1.16E-08	7.36E-08	1.13E-08	1.08E-08	1.72E-07	1.83E-07	6.70E-08	9.12E-08	3.41E-08	1.83E-07	6.70E-08
2125	495261.1	3859652	5.74E-04	5.60E-04	5.52E-04	1.99E-07	6.00E-07	3.47E-07	3.39E-07	3.07E-07	1.40E-07	1.38E-07	0.00E+00	0.00E+00	6.39E-08	1.15E-08	7.30E-08	1.13E-08	1.07E-08	1.70E-07	1.81E-07	6.64E-08	9.04E-08	3.38E-08	1.81E-07	6.64E-08
2126	495311.1	3859652	5.70E-04	5.56E-04	5.48E-04	1.97E-07	5.95E-07	3.45E-07	3.36E-07	3.05E-07	1.39E-07	1.37E-07	0.00E+00	0.00E+00	6.34E-08	1.14E-08	7.24E-08	1.12E-08	1.06E-08	1.69E-07	1.80E-07	6.59E-08	8.97E-08	3.35E-08	1.80E-07	6.59E-08
2127	495361.1	3859652	5.66E-04	5.52E-04	5.45E-04	1.96E-07	5.91E-07	3.42E-07	3.34E-07	3.03E-07	1.38E-07	1.36E-07	0.00E+00	0.00E+00	6.30E-08	1.13E-08	7.20E-08	1.11E-08	1.06E-08	1.68E-07	1.79E-07	6.55E-08	8.91E-08	3.33E-08	1.79E-07	6.55E-08
2128	495411.1	3859652	5.61E-04	5.47E-04	5.40E-04	1.94E-07	5.86E-07	3.39E-07	3.31E-07	3.00E-07	1.37E-07	1.35E-07	0.00E+00	0.00E+00	6.24E-08	1.12E-08	7.13E-08	1.10E-08	1.05E-08	1.66E-07	1.77E-07	6.49E-08	8.84E-08	3.30E-08	1.77E-07	6.49E-08
2129	495461.1	3859652	5.53E-04	5.40E-04	5.32E-04	1.91E-07	5.78E-07	3.35E-07	3.27E-07	2.96E-07	1.35E-07	1.33E-07	0.00E+00	0.00E+00	6.16E-08	1.11E-08	7.03E-08	1.08E-08	1.03E-08	1.64E-07	1.75E-07	6.40E-08	8.71E-08	3.26E-08	1.75E-07	6.40E-08
2130	495511.1	3859652	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.09E-08	1.10E-08	6.95E-08	1.07E-08	1.02E-08	1.62E-07	1.73E-07	6.33E-08	8.61E-08	3.22E-08	1.73E-07	6.33E-08
2131	495561.1	3859652	5.43E-04	5.30E-04	5.23E-04	1.88E-07	5.67E-07	3.28E-07	3.20E-07	2.90E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.04E-08	1.09E-08	6.90E-08	1.06E-08	1.01E-08	1.61E-07	1.71E-07	6.28E-08	8.55E-08	3.19E-08	1.71E-07	6.28E-08
2132	495611.1	3859652	5.38E-04	5.25E-04	5.18E-04	1.86E-07	5.62E-07	3.26E-07	3.18E-07	2.88E-07	1.31E-07	1.30E-07	0.00E+00	0.00E+00	5.99E-08	1.08E-08	6.84E-08	1.06E-08	1.00E-08	1.60E-07	1.70E-07	6.23E-08	8.48E-08	3.17E-08	1.70E-07	6.23E-08
2133	495661.1	3859652	5.32E-04	5.19E-04	5.13E-04	1.84E-07	5.56E-07	3.22E-07	3.14E-07	2.85E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.93E-08	1.07E-08	6.77E-08	1.04E-08	9.93E-09	1.58E-07	1.68E-07	6.16E-08	8.39E-08	3.13E-08	1.68E-07	6.16E-08
2134	494311.1	3859702	7.05E-04	6.88E-04	6.79E-04	2.44E-07	7.37E-07	4.27E-07	4.16E-07	3.77E-07	1.72E-07	1.70E-07	0.00E+00	0.00E+00	7.85E-08	1.41E-08	8.97E-08	1.38E-08	1.32E-08	2.09E-07	2.23E-07	8.16E-08	1.11E-07	4.15E-08	2.23E-07	8.16E-08
2135	494361.1	3859702	6.97E-04	6.80E-04	6.71E-04	2.41E-07	7.29E-07	4.22E-07	4.12E-07	3.73E-07	1.70E-07	1.68E-07	0.00E+00	0.00E+00	7.76E-08	1.40E-08	8.86E-08	1.37E-08	1.30E-08	2.07E-07	2.20E-07	8.07E-08	1.10E-07	4.10E-08	2.20E-07	8.07E-08
2136	494411.1	3859702	6.92E-04	6.75E-04	6.66E-04	2.39E-07	7.23E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.67E-07	0.00E+00	0.00E+00	7.70E-08	1.39E-08	8.80E-08	1.36E-08	1.29E-08	2.05E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
2137	494461.1	3859702	6.93E-04	6.76E-04	6.67E-04	2.40E-07	7.24E-07	4.19E-07	4.09E-07	3.71E-07	1.69E-07	1.67E-07	0.00E+00	0.00E+00	7.71E-08	1.39E-08	8.81E-08	1.36E-08	1.29E-08	2.06E-07	2.19E-07	8.02E-08	1.09E-07	4.08E-08	2.19E-07	8.02E-08
2138	494511.1	3859702	6.85E-04	6.68E-04	6.60E-04	2.37E-07	7.16E-07	4.14E-07	4.04E-07	3.67E-07	1.67E-07	1.65E-07	0.00E+00	0.00E+00	7.62E-08	1.37E-08	8.71E-08	1.34E-08	1.28E-08	2.03E-07	2.16E-07	7.93E-08	1.08E-07	4.03E-08	2.16E-07	7.93E-08
2139	494561.1	3859702	6.79E-04	6.63E-04	6.54E-04	2.35E-07	7.10E-07	4.11E-07	4.01E-07	3.64E-07	1.66E-07	1.64E-07	0.00E+00	0.00E+00	7.56E-08	1.36E-08	8.64E-08	1.33E-08	1.27E-08	2.02E-07	2.14E-07	7.86E-08	1.07E-07	4.00E-08	2.14E-07	7.86E-08
2140	494611.1	3859702	6.73E-04	6.57E-04	6.48E-04	2.33E-07	7.04E-07	4.07E-07	3.98E-07	3.60E-07	1.64E-07	1.62E-07	0.00E+00	0.00E+00	7.50E-08	1.35E-08	8.56E-08	1.32E-08	1.26E-08	2.00E-07	2.13E-07	7.79E-08	1.06E-07	3.96E-08	2.13E-07	7.79E-08
2141	494661.1	3859702	6.55E-04	6.39E-04	6.31E-04	2.27E-07	6.85E-07	3.96E-07	3.87E-07	3.51E-07	1.60E-07	1.58E-07	0.00E+00	0.00E+00	7.29E-08	1.31E-08	8.33E-08	1.28E-08	1.22E-08	1.94E-07	2.07E-07	7.58E-08	1.03E-07	3.86E-08	2.07E-07	7.58E-08
2142	494711.1	3859702	6.52E-04	6.36E-04	6.28E-04	2.26E-07	6.82E-07	3.95E-07	3.85E-07	3.49E-07	1.59E-07	1.57E-07	0.00E+00	0.00E+00	7.26E-08	1.31E-08	8.29E-08	1.28E-08	1.22E-08	1.94E-07	2.06E-07	7.55E-08	1.03E-07	3.84E-08	2.06E-07	7.55E-08
2143	494761.1	3859702	6.43E-04	6.28E-04	6.20E-04	2.23E-07	6.73E-07	3.89E-07	3.80E-07	3.44E-07	1.57E-07	1.55E-07	0.00E+00	0.00E+00	7.16E-08	1.29E-08	8.18E-08	1.26E-08	1.20E-08	1.91E-07	2.03E-07	7.45E-08	1.01E-07	3.79E-08	2.03E-07	7.45E-08
2144	494811.1	3859702	6.35E-04	6.20E-04	6.12E-04	2.20E-07	6.64E-07	3.84E-07	3.75E-07	3.40E-07	1.55E-07	1.53E-07	0.00E+00	0.00E+00	7.07E-08	1.27E-08	8.08E-08	1.25E-08	1.19E-08	1.89E-07	2.00E-07	7.35E-08	1.00E-07	3.74E-08	2.00E-07	7.35E-08
2145	494861.1	3859702	6.33E-04	6.18E-04	6.10E-04	2.19E-07	6.62E-07	3.83E-07	3.74E-07	3.39E-07	1.55E-07	1.53E-07	0.00E+00	0.00E+00	7.05E-08	1.27E-08	8.05E-08	1.24E-08	1.18E-08	1.88E-07	2.00E-07	7.33E-08	9.97E-08	3.73E-08	2.00E-07	7.33E-08
2146	494911.1	3859702	6.26E-04	6.11E-04	6.03E-04	2.17E-07	6.54E-07	3.79E-07	3.70E-07	3.35E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.97E-08	1.25E-08	7.96E-08	1.23E-08	1.17E-08	1.86E-07	1.98E-07	7.25E-08	9.86E-08	3.69E-08	1.98E-07	7.25E-08
2147	494961.1	3859702	6.19E-04	6.04E-04	5.96E-04	2.14E-07	6.47E-07	3.75E-07	3.65E-07	3.31E-07	1.51E-07	1.49E-07	0.00E+00	0.00E+00	6.89E-08	1.24E-08	7.87E-08	1.21E-08	1.16E-08	1.84E-07	1.95E-07	7.17E-08	9.75E-08	3.64E-08	1.95E-07	7.17E-08
2148	495011.1	3859702	6.15E-04	6.00E-04	5.92E-04	2.13E-07	6.43E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.85E-08	1.23E-08	7.82E-08	1.21E-08	1.15E-08	1.83E-07	1.94E-07	7.12E-08	9.69E-08	3.62E-08	1.94E-07	7.12E-08
2149	495061.1	3859702	6.09E-04	5.95E-04	5.87E-04	2.11E-07	6.37E-07	3.69E-07	3.60E-07	3.26E-07	1.49E-07	1.47E-07	0.00E+00	0.00E+00	6.78E-08	1.22E-08	7.75E-08	1.20E-08	1.14E-08	1.81E-07	1.92E-07	7.06E-08	9.60E-08	3.59E-08	1.92E-07	7.06E-08

2150	495111.1	3859702	6.04E-04	5.89E-04	5.81E-04	2.09E-07	6.31E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.72E-08	1.21E-08	7.68E-08	1.18E-08	1.13E-08	1.79E-07	1.91E-07	6.99E-08	9.51E-08	3.55E-08	1.91E-07	6.99E-08
2151	495161.1	3859702	5.97E-04	5.83E-04	5.75E-04	2.07E-07	6.24E-07	3.61E-07	3.53E-07	3.20E-07	1.46E-07	1.44E-07	0.00E+00	0.00E+00	6.65E-08	1.20E-08	7.60E-08	1.17E-08	1.11E-08	1.77E-07	1.89E-07	6.92E-08	9.41E-08	3.52E-08	1.89E-07	6.92E-08
2152	495211.1	3859702	5.91E-04	5.76E-04	5.69E-04	2.05E-07	6.17E-07	3.57E-07	3.49E-07	3.16E-07	1.44E-07	1.42E-07	0.00E+00	0.00E+00	6.58E-08	1.18E-08	7.51E-08	1.16E-08	1.10E-08	1.75E-07	1.86E-07	6.84E-08	9.31E-08	3.48E-08	1.86E-07	6.84E-08
2153	495261.1	3859702	5.89E-04	5.74E-04	5.67E-04	2.04E-07	6.15E-07	3.56E-07	3.48E-07	3.15E-07	1.44E-07	1.42E-07	0.00E+00	0.00E+00	6.55E-08	1.18E-08	7.49E-08	1.15E-08	1.10E-08	1.75E-07	1.86E-07	6.81E-08	9.27E-08	3.47E-08	1.86E-07	6.81E-08
2154	495311.1	3859702	5.83E-04	5.69E-04	5.61E-04	2.02E-07	6.09E-07	3.53E-07	3.44E-07	3.12E-07	1.42E-07	1.40E-07	0.00E+00	0.00E+00	6.49E-08	1.17E-08	7.41E-08	1.14E-08	1.09E-08	1.73E-07	1.84E-07	6.75E-08	9.18E-08	3.43E-08	1.84E-07	6.75E-08
2155	495361.1	3859702	5.78E-04	5.64E-04	5.56E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.43E-08	1.16E-08	7.35E-08	1.13E-08	1.08E-08	1.72E-07	1.82E-07	6.69E-08	9.10E-08	3.40E-08	1.82E-07	6.69E-08
2156	495411.1	3859702	5.71E-04	5.57E-04	5.50E-04	1.98E-07	5.97E-07	3.45E-07	3.37E-07	3.06E-07	1.39E-07	1.38E-07	0.00E+00	0.00E+00	6.35E-08	1.14E-08	7.26E-08	1.12E-08	1.07E-08	1.69E-07	1.80E-07	6.61E-08	8.99E-08	3.36E-08	1.80E-07	6.61E-08
2157	495461.1	3859702	5.65E-04	5.51E-04	5.44E-04	1.96E-07	5.91E-07	3.42E-07	3.34E-07	3.02E-07	1.38E-07	1.36E-07	0.00E+00	0.00E+00	6.29E-08	1.13E-08	7.19E-08	1.11E-08	1.05E-08	1.68E-07	1.78E-07	6.54E-08	8.90E-08	3.33E-08	1.78E-07	6.54E-08
2158	495511.1	3859702	5.56E-04	5.43E-04	5.36E-04	1.93E-07	5.82E-07	3.37E-07	3.28E-07	2.98E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.19E-08	1.11E-08	7.08E-08	1.09E-08	1.04E-08	1.65E-07	1.76E-07	6.44E-08	8.76E-08	3.28E-08	1.76E-07	6.44E-08
2159	495561.1	3859702	5.56E-04	5.42E-04	5.35E-04	1.92E-07	5.81E-07	3.36E-07	3.28E-07	2.97E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.18E-08	1.11E-08	7.06E-08	1.09E-08	1.04E-08	1.65E-07	1.75E-07	6.43E-08	8.75E-08	3.27E-08	1.75E-07	6.43E-08
2160	495611.1	3859702	5.51E-04	5.37E-04	5.30E-04	1.91E-07	5.75E-07	3.33E-07	3.25E-07	2.95E-07	1.34E-07	1.33E-07	0.00E+00	0.00E+00	6.13E-08	1.10E-08	7.00E-08	1.08E-08	1.03E-08	1.63E-07	1.74E-07	6.37E-08	8.67E-08	3.24E-08	1.74E-07	6.37E-08
2161	495661.1	3859702	5.45E-04	5.32E-04	5.25E-04	1.89E-07	5.70E-07	3.30E-07	3.22E-07	2.92E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.07E-08	1.09E-08	6.93E-08	1.07E-08	1.02E-08	1.62E-07	1.72E-07	6.31E-08	8.59E-08	3.21E-08	1.72E-07	6.31E-08
2162	494311.1	3859752	7.26E-04	7.09E-04	6.99E-04	2.51E-07	7.59E-07	4.40E-07	4.29E-07	3.89E-07	1.77E-07	1.75E-07	0.00E+00	0.00E+00	8.09E-08	1.46E-08	9.24E-08	1.42E-08	1.36E-08	2.16E-07	2.29E-07	8.41E-08	1.14E-07	4.28E-08	2.29E-07	8.41E-08
2163	494361.1	3859752	7.18E-04	7.00E-04	6.91E-04	2.48E-07	7.50E-07	4.34E-07	4.24E-07	3.84E-07	1.75E-07	1.73E-07	0.00E+00	0.00E+00	7.99E-08	1.44E-08	9.13E-08	1.41E-08	1.34E-08	2.13E-07	2.27E-07	8.31E-08	1.13E-07	4.23E-08	2.27E-07	8.31E-08
2164	494411.1	3859752	7.07E-04	6.90E-04	6.81E-04	2.45E-07	7.39E-07	4.28E-07	4.18E-07	3.79E-07	1.73E-07	1.70E-07	0.00E+00	0.00E+00	7.87E-08	1.42E-08	9.00E-08	1.39E-08	1.32E-08	2.10E-07	2.23E-07	8.19E-08	1.11E-07	4.16E-08	2.23E-07	8.19E-08
2165	494461.1	3859752	7.07E-04	6.90E-04	6.81E-04	2.45E-07	7.39E-07	4.28E-07	4.17E-07	3.78E-07	1.73E-07	1.70E-07	0.00E+00	0.00E+00	7.87E-08	1.42E-08	8.99E-08	1.39E-08	1.32E-08	2.10E-07	2.23E-07	8.18E-08	1.11E-07	4.16E-08	2.23E-07	8.18E-08
2166	494511.1	3859752	7.04E-04	6.87E-04	6.77E-04	2.44E-07	7.35E-07	4.26E-07	4.15E-07	3.77E-07	1.72E-07	1.70E-07	0.00E+00	0.00E+00	7.83E-08	1.41E-08	8.95E-08	1.38E-08	1.31E-08	2.09E-07	2.22E-07	8.15E-08	1.11E-07	4.14E-08	2.22E-07	8.15E-08
2167	494561.1	3859752	6.96E-04	6.79E-04	6.70E-04	2.41E-07	7.27E-07	4.21E-07	4.11E-07	3.72E-07	1.70E-07	1.68E-07	0.00E+00	0.00E+00	7.74E-08	1.39E-08	8.85E-08	1.36E-08	1.30E-08	2.06E-07	2.20E-07	8.05E-08	1.10E-07	4.10E-08	2.20E-07	8.05E-08
2168	494611.1	3859752	6.86E-04	6.69E-04	6.60E-04	2.37E-07	7.17E-07	4.15E-07	4.05E-07	3.67E-07	1.67E-07	1.65E-07	0.00E+00	0.00E+00	7.63E-08	1.37E-08	8.72E-08	1.34E-08	1.28E-08	2.04E-07	2.16E-07	7.94E-08	1.08E-07	4.04E-08	2.16E-07	7.94E-08
2169	494661.1	3859752	6.69E-04	6.53E-04	6.44E-04	2.32E-07	6.99E-07	4.05E-07	3.95E-07	3.58E-07	1.63E-07	1.61E-07	0.00E+00	0.00E+00	7.45E-08	1.34E-08	8.51E-08	1.31E-08	1.25E-08	1.99E-07	2.11E-07	7.75E-08	1.05E-07	3.94E-08	2.11E-07	7.75E-08
2170	494711.1	3859752	6.69E-04	6.53E-04	6.44E-04	2.32E-07	6.99E-07	4.05E-07	3.95E-07	3.58E-07	1.63E-07	1.61E-07	0.00E+00	0.00E+00	7.44E-08	1.34E-08	8.50E-08	1.31E-08	1.25E-08	1.98E-07	2.11E-07	7.74E-08	1.05E-07	3.94E-08	2.11E-07	7.74E-08
2171	494761.1	3859752	6.64E-04	6.48E-04	6.39E-04	2.30E-07	6.94E-07	4.02E-07	3.92E-07	3.55E-07	1.62E-07	1.60E-07	0.00E+00	0.00E+00	7.39E-08	1.33E-08	8.44E-08	1.30E-08	1.24E-08	1.97E-07	2.10E-07	7.68E-08	1.05E-07	3.91E-08	2.10E-07	7.68E-08
2172	494811.1	3859752	6.56E-04	6.40E-04	6.31E-04	2.27E-07	6.85E-07	3.97E-07	3.87E-07	3.51E-07	1.60E-07	1.58E-07	0.00E+00	0.00E+00	7.30E-08	1.31E-08	8.34E-08	1.29E-08	1.22E-08	1.95E-07	2.07E-07	7.59E-08	1.03E-07	3.86E-08	2.07E-07	7.59E-08
2173	494861.1	3859752	6.49E-04	6.34E-04	6.25E-04	2.25E-07	6.79E-07	3.93E-07	3.83E-07	3.48E-07	1.59E-07	1.56E-07	0.00E+00	0.00E+00	7.23E-08	1.30E-08	8.26E-08	1.27E-08	1.21E-08	1.93E-07	2.05E-07	7.52E-08	1.02E-07	3.82E-08	2.05E-07	7.52E-08
2174	494911.1	3859752	6.43E-04	6.28E-04	6.20E-04	2.23E-07	6.73E-07	3.89E-07	3.80E-07	3.44E-07	1.57E-07	1.55E-07	0.00E+00	0.00E+00	7.16E-08	1.29E-08	8.18E-08	1.26E-08	1.20E-08	1.91E-07	2.03E-07	7.45E-08	1.01E-07	3.79E-08	2.03E-07	7.45E-08
2175	494961.1	3859752	6.38E-04	6.22E-04	6.14E-04	2.21E-07	6.66E-07	3.86E-07	3.77E-07	3.41E-07	1.56E-07	1.54E-07	0.00E+00	0.00E+00	7.10E-08	1.28E-08	8.11E-08	1.25E-08	1.19E-08	1.89E-07	2.01E-07	7.38E-08	1.00E-07	3.75E-08	2.01E-07	7.38E-08
2176	495011.1	3859752	6.31E-04	6.16E-04	6.08E-04	2.19E-07	6.60E-07	3.82E-07	3.73E-07	3.38E-07	1.54E-07	1.52E-07	0.00E+00	0.00E+00	7.03E-08	1.27E-08	8.03E-08	1.24E-08	1.18E-08	1.87E-07	1.99E-07	7.31E-08	9.95E-08	3.72E-08	1.99E-07	7.31E-08
2177	495061.1	3859752	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.55E-07	3.79E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.98E-08	1.26E-08	7.97E-08	1.23E-08	1.17E-08	1.86E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
2178	495111.1	3859752	6.21E-04	6.06E-04	5.98E-04	2.15E-07	6.49E-07	3.76E-07	3.66E-07	3.32E-07	1.52E-07	1.50E-07	0.00E+00	0.00E+00	6.91E-08	1.24E-08	7.89E-08	1.22E-08	1.16E-08	1.84E-07	1.96E-07	7.18E-08	9.78E-08	3.65E-08	1.96E-07	7.18E-08
2179	495161.1	3859752	6.14E-04	6.00E-04	5.92E-04	2.13E-07	6.42E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.84E-08	1.23E-08	7.81E-08	1.20E-08	1.15E-08	1.82E-07	1.94E-07	7.11E-08	9.68E-08	3.62E-08	1.94E-07	7.11E-08
2180	495211.1	3859752	6.08E-04	5.93E-04	5.85E-04	2.10E-07	6.35E-07	3.68E-07	3.59E-07	3.25E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.77E-08	1.22E-08	7.73E-08	1.19E-08	1.13E-08	1.80E-07	1.92E-07	7.04E-08	9.57E-08	3.58E-08	1.92E-07	7.04E-08
2181	495261.1	3859752	6.03E-04	5.89E-04	5.81E-04	2.09E-07	6.31E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.71E-08	1.21E-08	7.67E-08	1.18E-08	1.13E-08	1.79E-07	1.90E-07	6.98E-08	9.50E-08	3.55E-08	1.90E-07	6.98E-08
2182	495311.1	3859752	5.97E-04	5.83E-04	5.75E-04	2.07E-07	6.24E-07	3.61E-07	3.53E-07	3.20E-07	1.46E-07	1.44E-07	0.00E+00	0.00E+00	6.65E-08	1.20E-08	7.60E-08	1.17E-08	1.11E-08	1.77E-07	1.89E-07	6.92E-08	9.41E-08	3.52E-08	1.89E-07	6.92E-08
2183	495361.1	3859752	5.92E-04	5.78E-04	5.70E-04	2.05E-07	6.19E-07	3.58E-07	3.50E-07	3.17E-07	1.45E-07	1.43E-07	0.00E+00	0.00E+00	6.59E-08	1.19E-08	7.53E-08	1.16E-08	1.10E-08	1.76E-07	1.87E-07	6.85E-08	9.33E-08	3.49E-08	1.87E-07	6.85E-08
2184	495411.1	3859752	5.87E-04	5.72E-04	5.65E-04	2.03E-07	6.13E-07	3.55E-07	3.46E-07	3.14E-07	1.43E-07	1.41E-07	0.00E+00	0.00E+00	6.53E-08	1.18E-08	7.46E-08	1.15E-08	1.09E-08	1.74E-07	1.85E-07	6.79E-08	9.24E-08	3.45E-08	1.85E-07	6.79E-08
2185	495461.1	3859752	5.80E-04	5.66E-04	5.58E-04	2.01E-07	6.06E-07	3.51E-07	3.42E-07	3.10E-07	1.42E-07	1.40E-07	0.00E+00	0.00E+00	6.45E-08	1.16E-08	7.37E-08	1.14E-08	1.08E-08	1.72E-07	1.83E-07	6.71E-08	9.13E-08	3.41E-08	1.83E-07	6.71E-08
2186	495511.1	3859752	5.72E-04	5.58E-04	5.51E-04	1.98E-07	5.98E-07	3.46E-07	3.38E-07	3.06E-07	1.40E-07	1.38E-07	0.00E+00	0.00E+00	6.37E-08	1.15E-08	7.28E-08	1.12E-08	1.07E-08	1.70E-07	1.81E-07	6.62E-08	9.01E-08	3.37E-08	1.81E-07	6.62E-08
2187	495561.1	3859752	5.68E-04	5.54E-04	5.46E-04	1.96E-07	5.93E-07	3.43E-07	3.35E-07	3.04E-07	1.39E-07	1.37E-07	0.00E+00	0.00E+00	6.32E-08	1.14E-08	7.22E-08	1.11E-08	1.06E-08	1.68E-07	1.79E-07	6.57E-08	8.94E-08	3.34E-08	1.79E-07	6.57E-08
2188	495611.1	3859752	5.63E-04	5.49E-04	5.42E-04	1.95E-07	5.88E-07	3.40E-07	3.32E-07	3.01E-07	1.37E-07	1.36E-07	0.00E+00	0.00E+00	6.26E-08	1.13E-08	7.15E-08	1.10E-08	1.05E-08	1.67E-07	1.78E-07	6.51E-08	8.86E-08	3.31E-08	1.78E-07	6.51E-08
2189	495661.1	3859752	5.59E-04	5.45E-04	5.38E-04	1.93E-07	5.84E-07	3.38E-07	3.30E-07	2.99E-07	1.36E-07	1.35E-07	0.00E+00	0.00E+00	6.22E-08	1.12E-08	7.11E-08	1.10E-08	1.04E-08	1.66E-07	1.76E-07	6.47E-08	8.80E-08	3.29E-08	1.76E-07	6.47E-08
2190	494311.1	3859802	7.48E-04	7.30E-04	7.20E-04	2.59E-07	7.82E-07	4.53E-07	4.42E-07	4.00E-07	1.83E-07	1.80E-07	0.00E+00	0.00E+00	8.33E-08	1.50E-08	9.51E-08	1.47E-08	1.40E-08	2.22E-07	2.36E-07	8.66E-08	1.18E-07	4.40E-08	2.36E-07	8.66E-08
2191	494361.1	3859802	7.35E-04	7.17E-04	7.08E-04	2.54E-07	7.68E-07	4.45E-07	4.34E-07	3.93E-07	1.80E-07	1.77E-07	0.00E+00	0.00E+00	8.18E-08	1.47E-08	9.35E-08	1.44E-08	1.37E-08	2.18E-07	2.32E-07	8.51E-08	1.16E-07	4.33E-08	2.32E-07	8.51E-08
2192	494411.1	3859802	7.22E-04	7.05E-04	6.95E-04	2.50E-07	7.55E-07	4.37E-07	4.26E-07	3.87E-07	1.76E-07	1.74E-07	0.00E+00	0.00E+00	8.04E-08	1.45E-08	9.19E-08	1.42E-08	1.35E-08	2.14E-07	2.28E-07	8.36E-08	1.14E-07	4.25E-08	2.28E-07	8.36E-08
2193	494461.1	3859802	7.21E-04	7.04E-04	6.94E-04	2.50E-07	7.54E-07	4.36E-07	4.26E-07	3.86E-07	1.76E-07	1.74E-07	0.00E+00	0.00E+00	8.03E-08	1.45E-08	9.17E-08	1.41E-08	1.35E-08	2.14E-07	2.28E-07	8.35E-08	1.14E-07	4.24E-08	2.28E-07	8.35E-08
2194	494511.1	3859802	7.21E-04	7.04E-04	6.94E-04	2.50E-07	7.54E-07	4.36E-07	4.26E-07	3.86E-07	1.76E-07	1.74E-07	0.00E+00	0.00E+00	8.03E-08	1.45E-08	9.17E-08	1.41E-08	1.35E-08	2.14E-07	2.28E-07	8.35E-08	1.14E-07	4.24E-08	2.28E-07	8.35E-08
2195	494561.1	3859802	7.14E-04	6.96E-04	6.87E-04	2.47E-07	7.46E-07	4.32E-07	4.21E-07	3.82E-07	1.74E-07	1.72E-07	0.00E+00	0.00E+00	7.94E-08	1.43E-08	9.07E-08	1.40E-08	1.33E-08	2.12E-07	2.25E-07	8.26E-08	1.12E-07	4.20E-08	2.25E-07	8.26E-08
2196	494611.1	3859802	6.99E-04	6.82E-04	6.73E-04	2.42E-07	7.31E-07	4.23E-07	4.13E-07	3.74E-07	1.71E-07	1.68E-07	0.00E+00	0.00E+00	7.78E-08	1.40E-08	8.89E-08	1.37E-08	1.30E-08	2.07E-07	2.21E-07	8.09E-08	1.10E-07	4.12E-08	2.21E-07	8.09E-08
2197	494661.1	3859802	6.91E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.66E-07	0.00E+00	0.00E+00	7.69E-08	1.38E-08	8.78E-08	1.35E-08	1.29E-08	2.05E-07	2.18E-07	8.00E-08	1.09E-07	4.07E-08	2.18E-07	8.00E-08
2198	494711.1	3859802	6.81E-04	6.64E-04	6.56E-04	2.36E-07	7.12E-07	4.12E-07	4.02E-07	3.64E-07	1.66E-07	1.64E-07	0.00E+00	0.00E+00	7.58E-08	1.36E-08	8.66E-08	1.34E-08	1.27E-08	2.02E-07	2.15E-07	7.88E-08	1.07E-07	4.01E-08	2.15E-07	7.88E-08
2199	494761.1	3859802	6.80E-04	6.64E-04	6.55E-04	2.36E-07	7.11E-07	4.12E-07	4.02E-07	3.64E-07	1.66E-07	1.64E-07	0.00E+00	0.00E+00	7.57E-08	1.36E-08	8.65E-08	1.33E-08	1.27E-08	2.02E-07	2.15E-07	7.88E-08	1.07E-07	4.01E-08	2.15E-07	7.88E-08
2200	494811.1	3859802	6.73E-04	6.56E-04	6.48E-04	2.33E-07	7.03E-07	4.07E-07	3.97E-07	3.60E-07	1.64E-07	1.62E-07	0.00E+00	0.00E+00	7.49E-08	1.35E-08	8.55E-08	1.32E-08	1.25E-08	2.00E-07	2.12E-07	7.79E-08	1.06E-07	3.96E-08	2.12E-07	7.79E-08
2201	494861.1	3859802	6.67E-04	6.51E-04	6.42E-04	2.31E-07	6.97E-07	4.04E-07	3.94E-07	3.57E-07	1.63E-07	1.61E-07	0.00E+00	0.00E+00	7.43E-08	1.34E-08	8.48E-08	1.31E-08	1.24E-08	1.98E-07	2.11E-07	7.72E-08	1.05E-07	3.93E-08	2.11E-07	7.72E-08
2202	494911.1	3859802	6.59E-04	6.43E-04	6.34E-04	2.28E-07	6.89E-07	3.99E-07	3.89E-07	3.53E-07	1.61E-07	1.59E-07	0.00E+00	0.00E+00	7.33E-08	1.32E-08	8.38E-08	1.29E-08	1.23E-08	1.96E-07	2.08E-07	7.63E-08	1.04E-07	3.88E-08	2.08E-07	7.63E-08
2203	494961.1	3859802	6.53E-04	6.37E-04	6.28E-04	2.26E-07	6.82E-07	3.95E-07	3.85E-07	3.49E-07	1.59E-07	1.57E-07	0.00E+00	0.00E+00	7.26E-08	1.31E-08	8.30E-08	1.28E-08	1.22E-08	1.94E-07	2.06E-07	7.55E-08	1.03E-07	3.84E-08	2.06E-07	7.55E-08
2204	495011.1	3859802	6.47E-04	6.31E-04	6.23E-04	2.24E-07	6.76E-07	3.91E-07	3.82E-07	3.46E-07	1.58E-07	1.56E-07	0.00E+00	0.00E+00	7.20E-08	1.30E-08	8.23E-08	1.27E-08	1.21E-08	1.92E-07	2.04E-07	7.49E-08	1.02E-07	3.81E-08	2.04E-07	7.49E-08
2205	495061.1	3859802	6.41E-04	6.26E-04	6.18E-04	2.22E-07	6.70E-07	3.88E-07	3.79E-07	3.43E-07	1.57E-07	1.55E-07	0.00E+00	0.00E+00	7.14E-08	1.29E-08	8.16E-08	1.26E-08	1.20E-08	1.90E-07	2.02E-07	7.42E-08	1.01E-07	3.78E-08	2.02E-07	7.42E-08
2206	495111.1	3859802	6.34E-04	6.19E-04	6.11E-04	2.20E-07	6.63E-07	3.84E-07	3.75E-07	3.40E-07	1.55E-07	1.53E-07	0.00E+00	0.00E+00	7.06E-08	1.27E-08	8.07E-08	1.24E-08	1.18E-08	1.88E-07	2.00E-07	7.34E-08	9.99E-08	3.73E-08	2.00E-07	7.34E-08
2207	495161.1	3859802	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.56E-07	3.80E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.98E-08	1.26E-08	7.98E-08	1.23E-08	1.17E-08	1.86E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
2208	495211.1	3859802	6.23E-04	6.08E-04	6.00E-04	2.16E-07	6.51E-07	3.77E-07	3.68E-07	3.33E-07	1.52E-07	1.50E-07	0.00E+00	0.00E+00	6.93E-08	1.25E-08	7.92E-08	1.22E-08	1.16E-08	1.85E-07	1.97E-07	7.21E-08	9.81E-08	3.67E-08	1.97E-07	7.21E-08
2209	495261.1	3859802	6.16E-04	6.01E-04	5.93E-04	2.13E-07	6.44E-07	3.73E-07	3.64E-07	3.30E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.86E-08	1.23E-08	7.83E-08	1.21E-08	1.15E-08	1.83E-07	1.94E-07	7.13E-08	9.71E-08	3.63E-08	1.94E-07	7.13E-08
2210	495311.1	3859802	6.12E-04	5.97E-04	5.89E-04	2.12E-07	6.40E-07	3.70E-07	3.61E-07	3.28E-07	1.49E-07	1.47E-07	0.00E+00	0.00E+00	6.81E-08	1.23E-08	7.78E-08	1.20E-08	1.14E-08	1.82E-07	1.93E-07	7.08E-08	9.64E-08	3.60E-08	1.93E-07	7.08E-08
2211	495361.1	3859802	6.06E-04	5.91E-04	5.83E-04	2.10E-07	6.33E-07	3.67E-07	3.58E-07	3.24E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.74E-08	1.21E-08	7.70E-08	1.19E-08	1.13E-08	1.80E-07	1.91E-07	7.01E-08	9.54E-08	3.57E-08	1.91E-07	7.01E-08
2212	495411.1	3859802	5.99E-04	5.85E-04	5.77E-04	2.07E-07	6.26E-07	3.62E-07	3.54E-07	3.21E-07	1.46E-07	1.44E-07	0.00E+00	0.00E+00	6.67E-08	1.20E-08	7.62E-08	1.17E-08	1.12E-08	1.78E-07	1.89E-07	6.93E-08	9.44E-08	3.53E-08	1.89E-07	6.93E-08
2213	495461.1	3859802	5.93E-04	5.79E-04	5.71E-04	2.05E-07	6.20E-07	3.59E-07	3.50E-07	3.18E-07	1.45E-07	1.43E-07	0.00E+00	0.00E+00	6.60E-08	1.19E-08	7.54E-08	1.16E-08	1.11E-08	1.76E-07	1.87E-07	6.87E-08	9.35E-08	3.49E-08	1.87E-07	6.87E-08
2214	495511.1	3859802	5.86E-04	5.72E-04	5.64E-04	2.03E-07	6.13E-07	3.55E-07	3.46E-07	3.14E-07	1.43E-07	1.41E-07	0.00E+00	0.00E+00	6.53E-08	1.17E-08	7.45E-08	1.15E-08	1.09E-08	1.74E-07	1.85E-07	6.79E-08	9.24E-08	3.45E-08	1.85E-07	6.79E-08
2215	495561.1	3859802	5.81E-04	5.67E-04	5.60E-04	2.01E-07	6.08E-07	3.52E-07	3.43E-07	3.11E-07	1.42E-07	1.40E-07	0.00E+00	0.00E+00	6.47E-08	1.16E-08	7.39E-08	1.14E-08	1.08E-08	1.73E-07	1.83E-07	6.73E-08	9.16E-08	3.42E-08	1.83E-07	6.73E-08
2216	495611.1	3859802	5.79E-04	5.65E-04	5.57E-04	2.00E-07	6.05E-07	3.50E-07	3.42E-07	3.10E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.44E-08	1.16E-08	7.36E-08	1.13E-08	1.08E-08	1.72E-07	1.83E-07	6.70E-08	9.12E-08	3.41E-08	1.83E-07	6.70E-08
2217	495661.1	3859802	5.72E-04	5.58E-04	5.50E-04	1.98E-07	5.98E-07	3.46E-07	3.38E-07	3.06E-07	1.40E-07	1.38E-07	0.00E+00	0.00E+00	6.36E-08	1.15E-08	7.27E-08	1.12E-08	1.07E-08	1.70E-07	1.80E-07	6.62E-08	9.01E-08	3.37E-08	1.80E-07	6.62E-08
2218	494311.1	3859852	7.65E-04	7.47E-04	7.37E-04	2.65E-07	8.00E-07	4.63E-07	4.52E-07	4.10E-07	1.87E-07	1.84E-07	0.00E+00	0.00E+00	8.52E-08	1.53E-08	9.73E-08	1.50E-08	1.43E-08	2.27E-07	2.42E-07	8.86E-08	1.21E-07	4.51E-08	2.42E-07	8.86E-08
2219	494361.1	3859852	7.55E-04	7.37E-04	7.27E-04	2.61E-07	7.89E-07	4.57E-07	4.46E-07	4.04E-07	1.84E-07	1.82E-07	0.00E+00	0.00E+00	8.41E-08	1.51E-08	9.60E-08	1.48E-08	1.41E-08	2.24E-07	2.38E-07	8.74E-08	1.19E-07	4.45E-08	2.38E-07	8.74E-08
2220	494411.1	3859852	7.43E-04	7.25E-04	7.16E-04	2.57E-07	7.77E-07	4.50E-07	4.39E-07	3.98E-07	1.82E-07	1.79E-07	0.00E+00	0.00E+00	8.28E-08	1.49E-08	9.45E-08	1.46E-08	1.39E-08	2.21E-07	2.35E-07	8.61E-08	1.17E-07	4.38E-08	2.35E-07	8.61E-08
2221	494461.1	3859852	7.34E-04	7.17E-04	7.07E-04	2.54E-07	7.68E-07	4.44E-07	4.34E-07	3.93E-07	1.79E-07	1.77E-07	0.00E+00	0.00E+00	8.17E-08	1.47E-08	9.34E-08	1.44E-08	1.37E-08	2.18E-07	2.32E-07	8.50E-08	1.16E-07	4.32E-08	2.32E-07	8.50E-08
2222	494511.1	3859852	7.31E-04	7.14E-04	7.04E-04	2.53E-07	7.64E-07	4.43E-07	4.32E-07	3.91E-07	1.79E-07	1.76E-07	0.00E+00	0.00E+00	8.14E-08	1.47E-08	9.30E-08	1.43E-08	1.36E-08	2.17E-07	2.31E-07	8.47E-08	1.15E-07	4.31E-08	2.31E-07	8.47E-08
2223	494561.1	3859852	7.30E-04	7.13E-04	7.03E-04	2.53E-07	7.63E-07	4.42E-07	4.31E-07	3.91E-07	1.78E-07	1.76E-07	0.00E+00	0.00E+00	8.13E-08	1.46E-08	9.29E-08	1.43E-08	1.36E-08	2.17E-07	2.30E-07	8.45E-08	1.15E-07	4.30E-08	2.30E-07	8.45E-08
2224	494611.1	3859852	7.14E-04	6.97E-04	6.87E-04	2.47E-07	7.46E-07	4.32E-07	4.22E-07	3.82E-07	1.74E-07	1.72E-07	0.00E+00	0.00E+00	7.95E-08	1.43E-08	9.08E-08	1.40E-08	1.33E-08	2.12E-07	2.25E-07	8.27E-08	1.12E-07	4.20E-08	2.25E-07	8.27E-08
2225	494661.1	3859852	7.10E-04	6.93E-04	6.83E-04	2.46E-07	7.42E-07	4.30E-07	4.19E-07	3.80E-07	1.73E-07	1.71E-07	0.00E+00	0.00E+00	7.90E-08	1.42E-08	9.03E-08	1.39E-08	1.32E-08	2.11E-07	2.24E-07	8.22E-08	1.12E-07	4.18E-08	2.24E-07	8.22E-08
2226	494711.1	3859852	6.98E-04	6.81E-04	6.72E-04	2.42E-07	7.30E-07	4.22E-07	4.12E-07	3.74E-07	1.71E-07	1.68E-07	0.00E+00	0.00E+00	7.77E-08	1.40E-08	8.88E-08	1.37E-08	1.30E-08	2.07E-07	2.20E-07	8.08E-08	1.10E-07	4.11E-08	2.20E-07	8.08E-08

2227	494761.1	3859852	6.97E-04	6.80E-04	6.71E-04	2.41E-07	7.28E-07	4.21E-07	4.11E-07	3.73E-07	1.70E-07	1.68E-07	0.00E+00	0.00E+00	7.75E-08	1.40E-08	8.86E-08	1.37E-08	1.30E-08	2.07E-07	2.20E-07	8.06E-08	1.10E-07	4.10E-08	2.20E-07	8.06E-08
2228	494811.1	3859852	6.90E-04	6.73E-04	6.64E-04	2.39E-07	7.21E-07	4.17E-07	4.07E-07	3.69E-07	1.68E-07	1.66E-07	0.00E+00	0.00E+00	7.68E-08	1.38E-08	8.77E-08	1.35E-08	1.29E-08	2.05E-07	2.18E-07	7.98E-08	1.09E-07	4.06E-08	2.18E-07	7.98E-08
2229	494861.1	3859852	6.85E-04	6.68E-04	6.60E-04	2.37E-07	7.16E-07	4.14E-07	4.04E-07	3.67E-07	1.67E-07	1.65E-07	0.00E+00	0.00E+00	7.62E-08	1.37E-08	8.71E-08	1.34E-08	1.28E-08	2.03E-07	2.16E-07	7.93E-08	1.08E-07	4.03E-08	2.16E-07	7.93E-08
2230	494911.1	3859852	6.76E-04	6.60E-04	6.51E-04	2.34E-07	7.07E-07	4.09E-07	3.99E-07	3.62E-07	1.65E-07	1.63E-07	0.00E+00	0.00E+00	7.53E-08	1.36E-08	8.60E-08	1.33E-08	1.26E-08	2.01E-07	2.13E-07	7.83E-08	1.07E-07	3.98E-08	2.13E-07	7.83E-08
2231	494961.1	3859852	6.70E-04	6.54E-04	6.46E-04	2.32E-07	7.01E-07	4.06E-07	3.96E-07	3.59E-07	1.64E-07	1.62E-07	0.00E+00	0.00E+00	7.46E-08	1.34E-08	8.53E-08	1.31E-08	1.25E-08	1.99E-07	2.12E-07	7.76E-08	1.06E-07	3.95E-08	2.12E-07	7.76E-08
2232	495011.1	3859852	6.64E-04	6.48E-04	6.39E-04	2.30E-07	6.94E-07	4.02E-07	3.92E-07	3.55E-07	1.62E-07	1.60E-07	0.00E+00	0.00E+00	7.39E-08	1.33E-08	8.44E-08	1.30E-08	1.24E-08	1.97E-07	2.10E-07	7.68E-08	1.05E-07	3.91E-08	2.10E-07	7.68E-08
2233	495061.1	3859852	6.58E-04	6.42E-04	6.34E-04	2.28E-07	6.88E-07	3.98E-07	3.89E-07	3.52E-07	1.61E-07	1.59E-07	0.00E+00	0.00E+00	7.33E-08	1.32E-08	8.37E-08	1.29E-08	1.23E-08	1.95E-07	2.08E-07	7.62E-08	1.04E-07	3.88E-08	2.08E-07	7.62E-08
2234	495111.1	3859852	6.50E-04	6.34E-04	6.26E-04	2.25E-07	6.80E-07	3.93E-07	3.84E-07	3.48E-07	1.59E-07	1.57E-07	0.00E+00	0.00E+00	7.24E-08	1.30E-08	8.27E-08	1.27E-08	1.21E-08	1.93E-07	2.05E-07	7.53E-08	1.02E-07	3.83E-08	2.05E-07	7.53E-08
2235	495161.1	3859852	6.44E-04	6.28E-04	6.20E-04	2.23E-07	6.73E-07	3.90E-07	3.80E-07	3.45E-07	1.57E-07	1.55E-07	0.00E+00	0.00E+00	7.17E-08	1.29E-08	8.19E-08	1.26E-08	1.20E-08	1.91E-07	2.03E-07	7.45E-08	1.01E-07	3.79E-08	2.03E-07	7.45E-08
2236	495211.1	3859852	6.38E-04	6.23E-04	6.14E-04	2.21E-07	6.67E-07	3.86E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	0.00E+00	0.00E+00	7.10E-08	1.28E-08	8.11E-08	1.25E-08	1.19E-08	1.89E-07	2.01E-07	7.39E-08	1.01E-07	3.76E-08	2.01E-07	7.39E-08
2237	495261.1	3859852	6.31E-04	6.16E-04	6.08E-04	2.19E-07	6.60E-07	3.82E-07	3.73E-07	3.38E-07	1.54E-07	1.52E-07	0.00E+00	0.00E+00	7.03E-08	1.27E-08	8.03E-08	1.24E-08	1.18E-08	1.87E-07	1.99E-07	7.31E-08	9.95E-08	3.72E-08	1.99E-07	7.31E-08
2238	495311.1	3859852	6.26E-04	6.11E-04	6.03E-04	2.17E-07	6.55E-07	3.79E-07	3.70E-07	3.35E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.97E-08	1.26E-08	7.97E-08	1.23E-08	1.17E-08	1.86E-07	1.98E-07	7.25E-08	9.87E-08	3.69E-08	1.98E-07	7.25E-08
2239	495361.1	3859852	6.21E-04	6.06E-04	5.98E-04	2.15E-07	6.49E-07	3.76E-07	3.67E-07	3.32E-07	1.52E-07	1.50E-07	0.00E+00	0.00E+00	6.91E-08	1.24E-08	7.90E-08	1.22E-08	1.16E-08	1.84E-07	1.96E-07	7.19E-08	9.78E-08	3.66E-08	1.96E-07	7.19E-08
2240	495411.1	3859852	6.14E-04	6.00E-04	5.92E-04	2.13E-07	6.42E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.84E-08	1.23E-08	7.81E-08	1.20E-08	1.15E-08	1.82E-07	1.94E-07	7.11E-08	9.68E-08	3.62E-08	1.94E-07	7.11E-08
2241	495461.1	3859852	6.08E-04	5.93E-04	5.85E-04	2.10E-07	6.35E-07	3.68E-07	3.59E-07	3.25E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.77E-08	1.22E-08	7.73E-08	1.19E-08	1.13E-08	1.80E-07	1.92E-07	7.04E-08	9.57E-08	3.58E-08	1.92E-07	7.04E-08
2242	495511.1	3859852	6.01E-04	5.86E-04	5.78E-04	2.08E-07	6.28E-07	3.63E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.69E-08	1.20E-08	7.64E-08	1.18E-08	1.12E-08	1.78E-07	1.90E-07	6.95E-08	9.46E-08	3.54E-08	1.90E-07	6.95E-08
2243	495561.1	3859852	5.97E-04	5.82E-04	5.74E-04	2.07E-07	6.24E-07	3.61E-07	3.52E-07	3.19E-07	1.46E-07	1.44E-07	0.00E+00	0.00E+00	6.64E-08	1.20E-08	7.59E-08	1.17E-08	1.11E-08	1.77E-07	1.88E-07	6.91E-08	9.40E-08	3.51E-08	1.88E-07	6.91E-08
2244	495611.1	3859852	5.92E-04	5.78E-04	5.70E-04	2.05E-07	6.19E-07	3.58E-07	3.50E-07	3.17E-07	1.45E-07	1.43E-07	0.00E+00	0.00E+00	6.59E-08	1.19E-08	7.53E-08	1.16E-08	1.11E-08	1.76E-07	1.87E-07	6.86E-08	9.33E-08	3.49E-08	1.87E-07	6.86E-08
2245	495661.1	3859852	5.86E-04	5.72E-04	5.64E-04	2.03E-07	6.13E-07	3.55E-07	3.46E-07	3.14E-07	1.43E-07	1.41E-07	0.00E+00	0.00E+00	6.53E-08	1.17E-08	7.45E-08	1.15E-08	1.09E-08	1.74E-07	1.85E-07	6.79E-08	9.24E-08	3.45E-08	1.85E-07	6.79E-08
2246	494311.1	3859902	7.83E-04	7.64E-04	7.54E-04	2.71E-07	8.19E-07	4.74E-07	4.62E-07	4.19E-07	1.91E-07	1.89E-07	0.00E+00	0.00E+00	8.72E-08	1.57E-08	9.96E-08	1.54E-08	1.46E-08	2.32E-07	2.47E-07	9.07E-08	1.23E-07	4.61E-08	2.47E-07	9.07E-08
2247	494361.1	3859902	7.67E-04	7.49E-04	7.39E-04	2.66E-07	8.02E-07	4.64E-07	4.53E-07	4.11E-07	1.87E-07	1.85E-07	0.00E+00	0.00E+00	8.54E-08	1.54E-08	9.76E-08	1.50E-08	1.43E-08	2.28E-07	2.42E-07	8.88E-08	1.21E-07	4.52E-08	2.42E-07	8.88E-08
2248	494411.1	3859902	7.62E-04	7.43E-04	7.33E-04	2.64E-07	7.96E-07	4.61E-07	4.50E-07	4.08E-07	1.86E-07	1.84E-07	0.00E+00	0.00E+00	8.48E-08	1.53E-08	9.69E-08	1.49E-08	1.42E-08	2.26E-07	2.40E-07	8.82E-08	1.20E-07	4.48E-08	2.40E-07	8.82E-08
2249	494461.1	3859902	7.53E-04	7.35E-04	7.25E-04	2.61E-07	7.87E-07	4.56E-07	4.45E-07	4.03E-07	1.84E-07	1.82E-07	0.00E+00	0.00E+00	8.39E-08	1.51E-08	9.58E-08	1.48E-08	1.41E-08	2.24E-07	2.38E-07	8.72E-08	1.19E-07	4.44E-08	2.38E-07	8.72E-08
2250	494511.1	3859902	7.48E-04	7.30E-04	7.20E-04	2.59E-07	7.81E-07	4.52E-07	4.41E-07	4.00E-07	1.83E-07	1.80E-07	0.00E+00	0.00E+00	8.32E-08	1.50E-08	9.51E-08	1.47E-08	1.40E-08	2.22E-07	2.36E-07	8.65E-08	1.18E-07	4.40E-08	2.36E-07	8.65E-08
2251	494561.1	3859902	7.48E-04	7.30E-04	7.21E-04	2.59E-07	7.82E-07	4.53E-07	4.42E-07	4.01E-07	1.83E-07	1.80E-07	0.00E+00	0.00E+00	8.33E-08	1.50E-08	9.52E-08	1.47E-08	1.40E-08	2.22E-07	2.36E-07	8.66E-08	1.18E-07	4.41E-08	2.36E-07	8.66E-08
2252	494611.1	3859902	7.31E-04	7.13E-04	7.04E-04	2.53E-07	7.64E-07	4.42E-07	4.32E-07	3.91E-07	1.79E-07	1.76E-07	0.00E+00	0.00E+00	8.14E-08	1.47E-08	9.30E-08	1.43E-08	1.36E-08	2.17E-07	2.31E-07	8.46E-08	1.15E-07	4.30E-08	2.31E-07	8.46E-08
2253	494661.1	3859902	7.30E-04	7.13E-04	7.03E-04	2.53E-07	7.63E-07	4.42E-07	4.31E-07	3.91E-07	1.78E-07	1.76E-07	0.00E+00	0.00E+00	8.13E-08	1.46E-08	9.29E-08	1.43E-08	1.36E-08	2.17E-07	2.30E-07	8.45E-08	1.15E-07	4.30E-08	2.30E-07	8.45E-08
2254	494711.1	3859902	7.14E-04	6.97E-04	6.87E-04	2.47E-07	7.46E-07	4.32E-07	4.22E-07	3.82E-07	1.74E-07	1.72E-07	0.00E+00	0.00E+00	7.95E-08	1.43E-08	9.08E-08	1.40E-08	1.33E-08	2.12E-07	2.25E-07	8.27E-08	1.12E-07	4.20E-08	2.25E-07	8.27E-08
2255	494761.1	3859902	7.12E-04	6.94E-04	6.85E-04	2.46E-07	7.44E-07	4.31E-07	4.20E-07	3.81E-07	1.74E-07	1.71E-07	0.00E+00	0.00E+00	7.92E-08	1.43E-08	9.05E-08	1.40E-08	1.33E-08	2.11E-07	2.25E-07	8.24E-08	1.12E-07	4.19E-08	2.25E-07	8.24E-08
2256	494811.1	3859902	7.08E-04	6.91E-04	6.82E-04	2.45E-07	7.40E-07	4.29E-07	4.18E-07	3.79E-07	1.73E-07	1.71E-07	0.00E+00	0.00E+00	7.88E-08	1.42E-08	9.01E-08	1.39E-08	1.32E-08	2.10E-07	2.24E-07	8.20E-08	1.12E-07	4.17E-08	2.24E-07	8.20E-08
2257	494861.1	3859902	7.03E-04	6.86E-04	6.77E-04	2.43E-07	7.35E-07	4.25E-07	4.15E-07	3.76E-07	1.72E-07	1.69E-07	0.00E+00	0.00E+00	7.83E-08	1.41E-08	8.94E-08	1.38E-08	1.31E-08	2.09E-07	2.22E-07	8.14E-08	1.11E-07	4.14E-08	2.22E-07	8.14E-08
2258	494911.1	3859902	6.94E-04	6.77E-04	6.68E-04	2.40E-07	7.25E-07	4.20E-07	4.10E-07	3.71E-07	1.70E-07	1.67E-07	0.00E+00	0.00E+00	7.73E-08	1.39E-08	8.83E-08	1.36E-08	1.30E-08	2.06E-07	2.19E-07	8.03E-08	1.09E-07	4.09E-08	2.19E-07	8.03E-08
2259	494961.1	3859902	6.89E-04	6.72E-04	6.63E-04	2.38E-07	7.20E-07	4.17E-07	4.07E-07	3.69E-07	1.68E-07	1.66E-07	0.00E+00	0.00E+00	7.67E-08	1.38E-08	8.76E-08	1.35E-08	1.29E-08	2.04E-07	2.17E-07	7.97E-08	1.08E-07	4.05E-08	2.17E-07	7.97E-08
2260	495011.1	3859902	6.81E-04	6.64E-04	6.56E-04	2.36E-07	7.12E-07	4.12E-07	4.02E-07	3.64E-07	1.66E-07	1.64E-07	0.00E+00	0.00E+00	7.58E-08	1.36E-08	8.66E-08	1.34E-08	1.27E-08	2.02E-07	2.15E-07	7.88E-08	1.07E-07	4.01E-08	2.15E-07	7.88E-08
2261	495061.1	3859902	6.74E-04	6.57E-04	6.49E-04	2.33E-07	7.04E-07	4.08E-07	3.98E-07	3.61E-07	1.65E-07	1.62E-07	0.00E+00	0.00E+00	7.50E-08	1.35E-08	8.57E-08	1.32E-08	1.26E-08	2.00E-07	2.13E-07	7.80E-08	1.06E-07	3.97E-08	2.13E-07	7.80E-08
2262	495111.1	3859902	6.66E-04	6.50E-04	6.41E-04	2.31E-07	6.96E-07	4.03E-07	3.93E-07	3.56E-07	1.63E-07	1.60E-07	0.00E+00	0.00E+00	7.41E-08	1.33E-08	8.47E-08	1.31E-08	1.24E-08	1.98E-07	2.10E-07	7.71E-08	1.05E-07	3.92E-08	2.10E-07	7.71E-08
2263	495161.1	3859902	6.58E-04	6.42E-04	6.34E-04	2.28E-07	6.88E-07	3.98E-07	3.89E-07	3.52E-07	1.61E-07	1.59E-07	0.00E+00	0.00E+00	7.32E-08	1.32E-08	8.37E-08	1.29E-08	1.23E-08	1.95E-07	2.08E-07	7.62E-08	1.04E-07	3.87E-08	2.08E-07	7.62E-08
2264	495211.1	3859902	6.53E-04	6.38E-04	6.29E-04	2.26E-07	6.83E-07	3.95E-07	3.86E-07	3.50E-07	1.60E-07	1.57E-07	0.00E+00	0.00E+00	7.27E-08	1.31E-08	8.31E-08	1.28E-08	1.22E-08	1.94E-07	2.06E-07	7.56E-08	1.03E-07	3.85E-08	2.06E-07	7.56E-08
2265	495261.1	3859902	6.45E-04	6.30E-04	6.21E-04	2.23E-07	6.74E-07	3.90E-07	3.81E-07	3.45E-07	1.58E-07	1.55E-07	0.00E+00	0.00E+00	7.18E-08	1.29E-08	8.20E-08	1.27E-08	1.20E-08	1.91E-07	2.04E-07	7.47E-08	1.02E-07	3.80E-08	2.04E-07	7.47E-08
2266	495311.1	3859902	6.41E-04	6.25E-04	6.17E-04	2.22E-07	6.70E-07	3.88E-07	3.78E-07	3.43E-07	1.56E-07	1.54E-07	0.00E+00	0.00E+00	7.13E-08	1.28E-08	8.15E-08	1.26E-08	1.20E-08	1.90E-07	2.02E-07	7.42E-08	1.01E-07	3.77E-08	2.02E-07	7.42E-08
2267	495361.1	3859902	6.34E-04	6.19E-04	6.11E-04	2.20E-07	6.63E-07	3.84E-07	3.75E-07	3.40E-07	1.55E-07	1.53E-07	0.00E+00	0.00E+00	7.06E-08	1.27E-08	8.07E-08	1.24E-08	1.18E-08	1.88E-07	2.00E-07	7.34E-08	9.99E-08	3.73E-08	2.00E-07	7.34E-08
2268	495411.1	3859902	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.56E-07	3.80E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.98E-08	1.26E-08	7.98E-08	1.23E-08	1.17E-08	1.86E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
2269	495461.1	3859902	6.21E-04	6.06E-04	5.98E-04	2.15E-07	6.49E-07	3.76E-07	3.67E-07	3.32E-07	1.52E-07	1.50E-07	0.00E+00	0.00E+00	6.91E-08	1.24E-08	7.90E-08	1.22E-08	1.16E-08	1.84E-07	1.96E-07	7.19E-08	9.78E-08	3.66E-08	1.96E-07	7.19E-08
2270	495511.1	3859902	6.16E-04	6.01E-04	5.93E-04	2.13E-07	6.44E-07	3.73E-07	3.64E-07	3.30E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.86E-08	1.23E-08	7.83E-08	1.21E-08	1.15E-08	1.83E-07	1.94E-07	7.13E-08	9.71E-08	3.63E-08	1.94E-07	7.13E-08
2271	495561.1	3859902	6.12E-04	5.97E-04	5.89E-04	2.12E-07	6.40E-07	3.70E-07	3.61E-07	3.28E-07	1.49E-07	1.47E-07	0.00E+00	0.00E+00	6.81E-08	1.23E-08	7.78E-08	1.20E-08	1.14E-08	1.82E-07	1.93E-07	7.08E-08	9.64E-08	3.60E-08	1.93E-07	7.08E-08
2272	495611.1	3859902	6.06E-04	5.91E-04	5.83E-04	2.10E-07	6.33E-07	3.67E-07	3.58E-07	3.24E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.74E-08	1.21E-08	7.70E-08	1.19E-08	1.13E-08	1.80E-07	1.91E-07	7.01E-08	9.54E-08	3.57E-08	1.91E-07	7.01E-08
2273	495661.1	3859902	5.99E-04	5.85E-04	5.77E-04	2.07E-07	6.26E-07	3.62E-07	3.54E-07	3.21E-07	1.46E-07	1.44E-07	0.00E+00	0.00E+00	6.67E-08	1.20E-08	7.62E-08	1.17E-08	1.12E-08	1.78E-07	1.89E-07	6.93E-08	9.44E-08	3.53E-08	1.89E-07	6.93E-08
2274	494311.1	3859952	8.03E-04	7.84E-04	7.73E-04	2.78E-07	8.40E-07	4.86E-07	4.74E-07	4.30E-07	1.96E-07	1.94E-07	0.00E+00	0.00E+00	8.94E-08	1.61E-08	1.02E-07	1.58E-08	1.50E-08	2.38E-07	2.54E-07	9.30E-08	1.27E-07	4.73E-08	2.54E-07	9.30E-08
2275	494361.1	3859952	7.91E-04	7.72E-04	7.62E-04	2.74E-07	8.27E-07	4.79E-07	4.67E-07	4.23E-07	1.93E-07	1.91E-07	0.00E+00	0.00E+00	8.81E-08	1.59E-08	1.01E-07	1.55E-08	1.48E-08	2.35E-07	2.50E-07	9.16E-08	1.25E-07	4.66E-08	2.50E-07	9.16E-08
2276	494411.1	3859952	7.81E-04	7.62E-04	7.52E-04	2.70E-07	8.16E-07	4.72E-07	4.61E-07	4.18E-07	1.91E-07	1.88E-07	0.00E+00	0.00E+00	8.69E-08	1.56E-08	9.93E-08	1.53E-08	1.46E-08	2.32E-07	2.46E-07	9.04E-08	1.23E-07	4.60E-08	2.46E-07	9.04E-08
2277	494461.1	3859952	7.72E-04	7.53E-04	7.43E-04	2.67E-07	8.07E-07	4.67E-07	4.56E-07	4.13E-07	1.89E-07	1.86E-07	0.00E+00	0.00E+00	8.59E-08	1.55E-08	9.82E-08	1.51E-08	1.44E-08	2.29E-07	2.44E-07	8.94E-08	1.22E-07	4.55E-08	2.44E-07	8.94E-08
2278	494511.1	3859952	7.66E-04	7.48E-04	7.38E-04	2.65E-07	8.01E-07	4.64E-07	4.52E-07	4.10E-07	1.87E-07	1.85E-07	0.00E+00	0.00E+00	8.53E-08	1.54E-08	9.74E-08	1.50E-08	1.43E-08	2.27E-07	2.42E-07	8.87E-08	1.21E-07	4.51E-08	2.42E-07	8.87E-08
2279	494561.1	3859952	7.69E-04	7.51E-04	7.41E-04	2.66E-07	8.04E-07	4.65E-07	4.54E-07	4.12E-07	1.88E-07	1.85E-07	0.00E+00	0.00E+00	8.56E-08	1.54E-08	9.78E-08	1.51E-08	1.44E-08	2.28E-07	2.43E-07	8.90E-08	1.21E-07	4.53E-08	2.43E-07	8.90E-08
2280	494611.1	3859952	7.53E-04	7.35E-04	7.25E-04	2.61E-07	7.87E-07	4.56E-07	4.45E-07	4.03E-07	1.84E-07	1.81E-07	0.00E+00	0.00E+00	8.38E-08	1.51E-08	9.58E-08	1.48E-08	1.41E-08	2.23E-07	2.38E-07	8.72E-08	1.19E-07	4.43E-08	2.38E-07	8.72E-08
2281	494661.1	3859952	7.52E-04	7.34E-04	7.24E-04	2.60E-07	7.86E-07	4.55E-07	4.44E-07	4.02E-07	1.84E-07	1.81E-07	0.00E+00	0.00E+00	8.37E-08	1.51E-08	9.56E-08	1.47E-08	1.40E-08	2.23E-07	2.37E-07	8.70E-08	1.18E-07	4.43E-08	2.37E-07	8.70E-08
2282	494711.1	3859952	7.37E-04	7.19E-04	7.09E-04	2.55E-07	7.70E-07	4.46E-07	4.35E-07	3.94E-07	1.80E-07	1.78E-07	0.00E+00	0.00E+00	8.20E-08	1.48E-08	9.37E-08	1.44E-08	1.37E-08	2.19E-07	2.33E-07	8.53E-08	1.16E-07	4.34E-08	2.33E-07	8.53E-08
2283	494761.1	3859952	7.32E-04	7.14E-04	7.05E-04	2.53E-07	7.65E-07	4.43E-07	4.32E-07	3.92E-07	1.79E-07	1.76E-07	0.00E+00	0.00E+00	8.15E-08	1.47E-08	9.31E-08	1.44E-08	1.37E-08	2.17E-07	2.31E-07	8.47E-08	1.15E-07	4.31E-08	2.31E-07	8.47E-08
2284	494811.1	3859952	7.26E-04	7.08E-04	6.99E-04	2.51E-07	7.58E-07	4.39E-07	4.28E-07	3.88E-07	1.77E-07	1.75E-07	0.00E+00	0.00E+00	8.08E-08	1.45E-08	9.23E-08	1.42E-08	1.35E-08	2.15E-07	2.29E-07	8.40E-08	1.14E-07	4.27E-08	2.29E-07	8.40E-08
2285	494861.1	3859952	7.22E-04	7.05E-04	6.95E-04	2.50E-07	7.55E-07	4.37E-07	4.26E-07	3.87E-07	1.76E-07	1.74E-07	0.00E+00	0.00E+00	8.04E-08	1.45E-08	9.19E-08	1.42E-08	1.35E-08	2.14E-07	2.28E-07	8.36E-08	1.14E-07	4.25E-08	2.28E-07	8.36E-08
2286	494911.1	3859952	7.12E-04	6.95E-04	6.86E-04	2.47E-07	7.45E-07	4.31E-07	4.21E-07	3.81E-07	1.74E-07	1.72E-07	0.00E+00	0.00E+00	7.93E-08	1.43E-08	9.06E-08	1.40E-08	1.33E-08	2.11E-07	2.25E-07	8.25E-08	1.12E-07	4.19E-08	2.25E-07	8.25E-08
2287	494961.1	3859952	7.04E-04	6.87E-04	6.78E-04	2.44E-07	7.36E-07	4.26E-07	4.16E-07	3.77E-07	1.72E-07	1.70E-07	0.00E+00	0.00E+00	7.84E-08	1.41E-08	8.95E-08	1.38E-08	1.31E-08	2.09E-07	2.22E-07	8.15E-08	1.11E-07	4.14E-08	2.22E-07	8.15E-08
2288	495011.1	3859952	6.97E-04	6.80E-04	6.71E-04	2.41E-07	7.28E-07	4.21E-07	4.11E-07	3.73E-07	1.70E-07	1.68E-07	0.00E+00	0.00E+00	7.75E-08	1.40E-08	8.86E-08	1.37E-08	1.30E-08	2.07E-07	2.20E-07	8.06E-08	1.10E-07	4.10E-08	2.20E-07	8.06E-08
2289	495061.1	3859952	6.90E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.69E-07	1.69E-07	1.66E-07	0.00E+00	0.00E+00	7.68E-08	1.38E-08	8.78E-08	1.35E-08	1.29E-08	2.05E-07	2.18E-07	7.99E-08	1.09E-07	4.06E-08	2.18E-07	7.99E-08
2290	495111.1	3859952	6.81E-04	6.65E-04	6.56E-04	2.36E-07	7.12E-07	4.12E-07	4.02E-07	3.65E-07	1.66E-07	1.64E-07	0.00E+00	0.00E+00	7.58E-08	1.37E-08	8.66E-08	1.34E-08	1.27E-08	2.02E-07	2.15E-07	7.89E-08	1.07E-07	4.01E-08	2.15E-07	7.89E-08
2291	495161.1	3859952	6.73E-04	6.57E-04	6.48E-04	2.33E-07	7.04E-07	4.07E-07	3.98E-07	3.60E-07	1.64E-07	1.62E-07	0.00E+00	0.00E+00	7.50E-08	1.35E-08	8.56E-08	1.32E-08	1.26E-08	2.00E-07	2.13E-07	7.79E-08	1.06E-07	3.96E-08	2.13E-07	7.79E-08
2292	495211.1	3859952	6.66E-04	6.50E-04	6.41E-04	2.31E-07	6.96E-07	4.03E-07	3.93E-07	3.56E-07	1.63E-07	1.60E-07	0.00E+00	0.00E+00	7.41E-08	1.33E-08	8.47E-08	1.31E-08	1.24E-08	1.98E-07	2.10E-07	7.71E-08	1.05E-07	3.92E-08	2.10E-07	7.71E-08
2293	495261.1	3859952	6.59E-04	6.43E-04	6.35E-04	2.28E-07	6.89E-07	3.99E-07	3.89E-07	3.53E-07	1.61E-07	1.59E-07	0.00E+00	0.00E+00	7.34E-08	1.32E-08	8.38E-08	1.29E-08	1.23E-08	1.96E-07	2.08E-07	7.63E-08	1.04E-07	3.88E-08	2.08E-07	7.63E-08
2294	495311.1	3859952	6.56E-04	6.40E-04	6.32E-04	2.27E-07	6.86E-07	3.97E-07	3.87E-07	3.51E-07	1.60E-07	1.58E-07	0.00E+00	0.00E+00	7.30E-08	1.31E-08	8.34E-08	1.29E-08	1.22E-08	1.95E-07	2.07E-07	7.59E-08	1.03E-07	3.86E-08	2.07E-07	7.59E-08
2295	495361.1	3859952	6.50E-04	6.34E-04	6.26E-04	2.25E-07	6.80E-07	3.93E-07	3.84E-07	3.48E-07	1.59E-07	1.57E-07	0.00E+00	0.00E+00	7.24E-08	1.30E-08	8.27E-08	1.27E-08	1.21E-08	1.93E-07	2.05E-07	7.53E-08	1.02E-07	3.83E-08	2.05E-07	7.53E-08
2296	495411.1	3859952	6.43E-04	6.28E-04	6.19E-04	2.23E-07	6.72E-07	3.89E-07	3.80E-07	3.44E-07	1.57E-07	1.55E-07	0.00E+00	0.00E+00	7.16E-08	1.29E-08	8.18E-08	1.26E-08	1.20E-08	1.91E-07	2.03E-07	7.44E-08	1.01E-07	3.79E-08	2.03E-07	7.44E-08
2297	495461.1	3859952	6.36E-04	6.21E-04	6.13E-04	2.20E-07	6.65E-07	3.85E-07	3.76E-07	3.41E-07	1.55E-07	1.53E-07	0.00E+00	0.00E+00	7.08E-08	1.28E-08	8.09E-08	1.25E-08	1.19E-08	1.89E-07	2.01E-07	7.37E-08	1.00E-07	3.75E-08	2.01E-07	7.37E-08
2298	495511.1	3859952	6.30E-04	6.15E-04	6.06E-04	2.18E-07	6.58E-07	3.81E-07	3.72E-07	3.37E-07	1.54E-07	1.52E-07	0.00E+00	0.00E+00	7.01E-08	1.26E-08	8.01E-08	1.24E-08	1.18E-08	1.87E-07	1.99E-07	7.29E-08	9.92E-08	3.71E-08	1.99E-07	7.29E-08
2299	495561.1	3859952	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.56E-07	3.80E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.98E-08	1.26E-08	7.98E-08	1.23E-08	1.17E-08	1.86E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
2300	495611.1	3859952	6.20E-04	6.05E-04	5.97E-04	2.15E-07	6.48E-07	3.75E-07	3.66E-07	3.32E-07	1.51E-07	1.49E-07	0.00E+00	0.00E+00	6.90E-08	1.24E-08	7.89E-08	1.22E-08	1.16E-08	1.84E-07	1.96E-07	7.18E-08	9.77E-08	3.65E-08	1.96E-07	7.18E-08
2301	495661.1	3859952	6.13E-04	5.98E-04	5.90E-04	2.12E-07	6.40E-07	3.71E-07	3.62E-07	3.28E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.82E-08	1.23E-08	7.79E-08	1.20E-08	1.14E-08	1.82E-07	1.93E-07	7.09E-08	9.65E-08	3.61E-08	1.93E-07	7.09E-08
2302	494311.1	3860002	8.24E-04	8.04E-04	7.93E-04	2.85E-07	8.61E-07	4.98E-07	4.86E-07	4.41E-07	2.01E-07	1.98E-07	0.00E+00	0.00E+00	9.17E-08	1.65E-08	1.05E-07	1.62E-08	1.54E-08	2.44E-07	2.60E-07	9.53E-08	1.30E-07	4.85E-08	2.60E-07	9.53E-08
2303	494361.1	3860002	8.14E-04	7.94E-04	7.83E-04	2.82E-07	8.50E-07	4.92E-07	4.80E-07	4.35E-07	1.99E-07	1.96E-07	0.00E+00	0.00E+00	9.06E-08	1.63E-08	1.03E-07	1.60E-08	1.52E-08	2.41E-07	2.57E-07	9.42E-08	1.28E-07	4.79E-08	2.57E-07	9.42E-08

2304	494411.1	3860002	7.99E-04	7.80E-04	7.70E-04	2.77E-07	8.36E-07	4.84E-07	4.72E-07	4.28E-07	1.95E-07	1.93E-07	0.00E+00	0.00E+00	8.90E-08	1.60E-08	1.02E-07	1.57E-08	1.49E-08	2.37E-07	2.52E-07	9.25E-08	1.26E-07	4.71E-08	2.52E-07	9.25E-08
2305	494461.1	3860002	7.93E-04	7.74E-04	7.63E-04	2.74E-07	8.29E-07	4.80E-07	4.68E-07	4.24E-07	1.94E-07	1.91E-07	0.00E+00	0.00E+00	8.83E-08	1.59E-08	1.01E-07	1.55E-08	1.48E-08	2.35E-07	2.50E-07	9.18E-08	1.25E-07	4.67E-08	2.50E-07	9.18E-08
2306	494511.1	3860002	7.82E-04	7.63E-04	7.53E-04	2.71E-07	8.17E-07	4.73E-07	4.62E-07	4.19E-07	1.91E-07	1.88E-07	0.00E+00	0.00E+00	8.71E-08	1.57E-08	9.95E-08	1.53E-08	1.46E-08	2.32E-07	2.47E-07	9.05E-08	1.23E-07	4.60E-08	2.47E-07	9.05E-08
2307	494561.1	3860002	7.90E-04	7.70E-04	7.60E-04	2.73E-07	8.25E-07	4.78E-07	4.66E-07	4.23E-07	1.93E-07	1.90E-07	0.00E+00	0.00E+00	8.79E-08	1.58E-08	1.00E-07	1.55E-08	1.47E-08	2.34E-07	2.49E-07	9.14E-08	1.24E-07	4.65E-08	2.49E-07	9.14E-08
2308	494611.1	3860002	7.78E-04	7.59E-04	7.49E-04	2.69E-07	8.13E-07	4.71E-07	4.59E-07	4.16E-07	1.90E-07	1.87E-07	0.00E+00	0.00E+00	8.66E-08	1.56E-08	9.89E-08	1.53E-08	1.45E-08	2.31E-07	2.46E-07	9.00E-08	1.23E-07	4.58E-08	2.46E-07	9.00E-08
2309	494661.1	3860002	7.72E-04	7.53E-04	7.43E-04	2.67E-07	8.07E-07	4.67E-07	4.56E-07	4.13E-07	1.88E-07	1.86E-07	0.00E+00	0.00E+00	8.59E-08	1.55E-08	9.81E-08	1.51E-08	1.44E-08	2.29E-07	2.44E-07	8.93E-08	1.22E-07	4.54E-08	2.44E-07	8.93E-08
2310	494711.1	3860002	7.51E-04	7.32E-04	7.23E-04	2.60E-07	7.84E-07	4.54E-07	4.43E-07	4.02E-07	1.83E-07	1.81E-07	0.00E+00	0.00E+00	8.35E-08	1.50E-08	9.54E-08	1.47E-08	1.40E-08	2.23E-07	2.37E-07	8.69E-08	1.18E-07	4.42E-08	2.37E-07	8.69E-08
2311	494761.1	3860002	7.51E-04	7.33E-04	7.23E-04	2.60E-07	7.85E-07	4.55E-07	4.44E-07	4.02E-07	1.83E-07	1.81E-07	0.00E+00	0.00E+00	8.36E-08	1.51E-08	9.55E-08	1.47E-08	1.40E-08	2.23E-07	2.37E-07	8.70E-08	1.18E-07	4.42E-08	2.37E-07	8.70E-08
2312	494811.1	3860002	7.46E-04	7.28E-04	7.19E-04	2.58E-07	7.80E-07	4.52E-07	4.41E-07	3.99E-07	1.82E-07	1.80E-07	0.00E+00	0.00E+00	8.31E-08	1.50E-08	9.49E-08	1.46E-08	1.39E-08	2.22E-07	2.36E-07	8.64E-08	1.18E-07	4.39E-08	2.36E-07	8.64E-08
2313	494861.1	3860002	7.43E-04	7.25E-04	7.15E-04	2.57E-07	7.76E-07	4.49E-07	4.38E-07	3.97E-07	1.81E-07	1.79E-07	0.00E+00	0.00E+00	8.27E-08	1.49E-08	9.44E-08	1.46E-08	1.39E-08	2.20E-07	2.34E-07	8.60E-08	1.17E-07	4.37E-08	2.34E-07	8.60E-08
2314	494911.1	3860002	7.24E-04	7.07E-04	6.97E-04	2.51E-07	7.57E-07	4.38E-07	4.28E-07	3.88E-07	1.77E-07	1.75E-07	0.00E+00	0.00E+00	8.06E-08	1.45E-08	9.21E-08	1.42E-08	1.35E-08	2.15E-07	2.29E-07	8.39E-08	1.14E-07	4.26E-08	2.29E-07	8.39E-08
2315	494961.1	3860002	7.20E-04	7.03E-04	6.93E-04	2.49E-07	7.53E-07	4.36E-07	4.25E-07	3.85E-07	1.76E-07	1.74E-07	0.00E+00	0.00E+00	8.02E-08	1.44E-08	9.16E-08	1.41E-08	1.34E-08	2.14E-07	2.27E-07	8.34E-08	1.13E-07	4.24E-08	2.27E-07	8.34E-08
2316	495011.1	3860002	7.12E-04	6.94E-04	6.85E-04	2.46E-07	7.44E-07	4.31E-07	4.20E-07	3.81E-07	1.74E-07	1.71E-07	0.00E+00	0.00E+00	7.92E-08	1.43E-08	9.05E-08	1.40E-08	1.33E-08	2.11E-07	2.25E-07	8.24E-08	1.12E-07	4.19E-08	2.25E-07	8.24E-08
2317	495061.1	3860002	7.08E-04	6.91E-04	6.81E-04	2.45E-07	7.40E-07	4.28E-07	4.18E-07	3.79E-07	1.73E-07	1.71E-07	0.00E+00	0.00E+00	7.88E-08	1.42E-08	9.00E-08	1.39E-08	1.32E-08	2.10E-07	2.23E-07	8.19E-08	1.11E-07	4.17E-08	2.23E-07	8.19E-08
2318	495111.1	3860002	6.99E-04	6.82E-04	6.73E-04	2.42E-07	7.30E-07	4.23E-07	4.13E-07	3.74E-07	1.71E-07	1.68E-07	0.00E+00	0.00E+00	7.78E-08	1.40E-08	8.88E-08	1.37E-08	1.30E-08	2.07E-07	2.21E-07	8.09E-08	1.10E-07	4.11E-08	2.21E-07	8.09E-08
2319	495161.1	3860002	6.90E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.69E-07	1.69E-07	1.66E-07	0.00E+00	0.00E+00	7.68E-08	1.38E-08	8.78E-08	1.35E-08	1.29E-08	2.05E-07	2.18E-07	7.99E-08	1.09E-07	4.06E-08	2.18E-07	7.99E-08
2320	495211.1	3860002	6.86E-04	6.70E-04	6.61E-04	2.38E-07	7.17E-07	4.15E-07	4.05E-07	3.67E-07	1.68E-07	1.65E-07	0.00E+00	0.00E+00	7.64E-08	1.38E-08	8.73E-08	1.35E-08	1.28E-08	2.04E-07	2.17E-07	7.94E-08	1.08E-07	4.04E-08	2.17E-07	7.94E-08
2321	495261.1	3860002	6.79E-04	6.62E-04	6.54E-04	2.35E-07	7.09E-07	4.11E-07	4.01E-07	3.63E-07	1.66E-07	1.64E-07	0.00E+00	0.00E+00	7.56E-08	1.36E-08	8.63E-08	1.33E-08	1.27E-08	2.01E-07	2.14E-07	7.86E-08	1.07E-07	4.00E-08	2.14E-07	7.86E-08
2322	495311.1	3860002	6.73E-04	6.57E-04	6.48E-04	2.33E-07	7.03E-07	4.07E-07	3.97E-07	3.60E-07	1.64E-07	1.62E-07	0.00E+00	0.00E+00	7.49E-08	1.35E-08	8.56E-08	1.32E-08	1.26E-08	2.00E-07	2.12E-07	7.79E-08	1.06E-07	3.96E-08	2.12E-07	7.79E-08
2323	495361.1	3860002	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	0.00E+00	0.00E+00	7.38E-08	1.33E-08	8.43E-08	1.30E-08	1.24E-08	1.97E-07	2.09E-07	7.67E-08	1.04E-07	3.90E-08	2.09E-07	7.67E-08
2324	495411.1	3860002	6.60E-04	6.44E-04	6.36E-04	2.28E-07	6.90E-07	3.99E-07	3.90E-07	3.53E-07	1.61E-07	1.59E-07	0.00E+00	0.00E+00	7.35E-08	1.32E-08	8.39E-08	1.29E-08	1.23E-08	1.96E-07	2.08E-07	7.64E-08	1.04E-07	3.89E-08	2.08E-07	7.64E-08
2325	495461.1	3860002	6.53E-04	6.38E-04	6.29E-04	2.26E-07	6.83E-07	3.95E-07	3.86E-07	3.50E-07	1.60E-07	1.57E-07	0.00E+00	0.00E+00	7.27E-08	1.31E-08	8.31E-08	1.28E-08	1.22E-08	1.94E-07	2.06E-07	7.56E-08	1.03E-07	3.85E-08	2.06E-07	7.56E-08
2326	495511.1	3860002	6.47E-04	6.32E-04	6.23E-04	2.24E-07	6.76E-07	3.92E-07	3.82E-07	3.46E-07	1.58E-07	1.56E-07	0.00E+00	0.00E+00	7.20E-08	1.30E-08	8.23E-08	1.27E-08	1.21E-08	1.92E-07	2.04E-07	7.49E-08	1.02E-07	3.81E-08	2.04E-07	7.49E-08
2327	495561.1	3860002	6.44E-04	6.28E-04	6.20E-04	2.23E-07	6.73E-07	3.90E-07	3.80E-07	3.45E-07	1.57E-07	1.55E-07	0.00E+00	0.00E+00	7.17E-08	1.29E-08	8.19E-08	1.26E-08	1.20E-08	1.91E-07	2.03E-07	7.45E-08	1.01E-07	3.79E-08	2.03E-07	7.45E-08
2328	495611.1	3860002	6.36E-04	6.21E-04	6.13E-04	2.20E-07	6.65E-07	3.85E-07	3.76E-07	3.41E-07	1.55E-07	1.53E-07	0.00E+00	0.00E+00	7.08E-08	1.28E-08	8.09E-08	1.25E-08	1.19E-08	1.89E-07	2.01E-07	7.37E-08	1.00E-07	3.75E-08	2.01E-07	7.37E-08
2329	495661.1	3860002	6.29E-04	6.14E-04	6.06E-04	2.18E-07	6.57E-07	3.81E-07	3.71E-07	3.37E-07	1.54E-07	1.52E-07	0.00E+00	0.00E+00	7.00E-08	1.26E-08	8.00E-08	1.23E-08	1.17E-08	1.87E-07	1.99E-07	7.28E-08	9.91E-08	3.70E-08	1.99E-07	7.28E-08
2330	494411.1	3860052	8.23E-04	8.03E-04	7.92E-04	2.85E-07	8.60E-07	4.98E-07	4.86E-07	4.40E-07	2.01E-07	1.98E-07	0.00E+00	0.00E+00	9.16E-08	1.65E-08	1.05E-07	1.61E-08	1.54E-08	2.44E-07	2.60E-07	9.52E-08	1.30E-07	4.84E-08	2.60E-07	9.52E-08
2331	494461.1	3860052	8.13E-04	7.93E-04	7.83E-04	2.81E-07	8.49E-07	4.92E-07	4.80E-07	4.35E-07	1.98E-07	1.96E-07	0.00E+00	0.00E+00	9.05E-08	1.63E-08	1.03E-07	1.59E-08	1.52E-08	2.41E-07	2.57E-07	9.41E-08	1.28E-07	4.78E-08	2.57E-07	9.41E-08
2332	494511.1	3860052	8.04E-04	7.84E-04	7.74E-04	2.78E-07	8.40E-07	4.86E-07	4.74E-07	4.30E-07	1.96E-07	1.94E-07	0.00E+00	0.00E+00	8.95E-08	1.61E-08	1.02E-07	1.58E-08	1.50E-08	2.39E-07	2.54E-07	9.30E-08	1.27E-07	4.73E-08	2.54E-07	9.30E-08
2333	494561.1	3860052	8.04E-04	7.85E-04	7.75E-04	2.78E-07	8.41E-07	4.87E-07	4.75E-07	4.31E-07	1.96E-07	1.94E-07	0.00E+00	0.00E+00	8.95E-08	1.61E-08	1.02E-07	1.58E-08	1.50E-08	2.39E-07	2.54E-07	9.31E-08	1.27E-07	4.74E-08	2.54E-07	9.31E-08
2334	494611.1	3860052	7.99E-04	7.80E-04	7.70E-04	2.77E-07	8.36E-07	4.84E-07	4.72E-07	4.28E-07	1.95E-07	1.93E-07	0.00E+00	0.00E+00	8.90E-08	1.60E-08	1.02E-07	1.57E-08	1.49E-08	2.37E-07	2.52E-07	9.25E-08	1.26E-07	4.71E-08	2.52E-07	9.25E-08
2335	494661.1	3860052	7.93E-04	7.74E-04	7.63E-04	2.74E-07	8.29E-07	4.80E-07	4.68E-07	4.24E-07	1.94E-07	1.91E-07	0.00E+00	0.00E+00	8.83E-08	1.59E-08	1.01E-07	1.55E-08	1.48E-08	2.35E-07	2.50E-07	9.18E-08	1.25E-07	4.67E-08	2.50E-07	9.18E-08
2336	494711.1	3860052	7.78E-04	7.59E-04	7.49E-04	2.69E-07	8.13E-07	4.71E-07	4.59E-07	4.16E-07	1.90E-07	1.87E-07	0.00E+00	0.00E+00	8.66E-08	1.56E-08	9.89E-08	1.53E-08	1.45E-08	2.31E-07	2.46E-07	9.00E-08	1.23E-07	4.58E-08	2.46E-07	9.00E-08
2337	494761.1	3860052	7.72E-04	7.53E-04	7.43E-04	2.67E-07	8.07E-07	4.67E-07	4.56E-07	4.13E-07	1.89E-07	1.86E-07	0.00E+00	0.00E+00	8.59E-08	1.55E-08	9.82E-08	1.51E-08	1.44E-08	2.29E-07	2.44E-07	8.94E-08	1.22E-07	4.55E-08	2.44E-07	8.94E-08
2338	494811.1	3860052	7.70E-04	7.51E-04	7.41E-04	2.67E-07	8.05E-07	4.66E-07	4.55E-07	4.12E-07	1.88E-07	1.86E-07	0.00E+00	0.00E+00	8.57E-08	1.54E-08	9.79E-08	1.51E-08	1.44E-08	2.29E-07	2.43E-07	8.91E-08	1.21E-07	4.53E-08	2.43E-07	8.91E-08
2339	494861.1	3860052	7.67E-04	7.49E-04	7.39E-04	2.66E-07	8.02E-07	4.64E-07	4.53E-07	4.11E-07	1.87E-07	1.85E-07	0.00E+00	0.00E+00	8.54E-08	1.54E-08	9.76E-08	1.50E-08	1.43E-08	2.28E-07	2.42E-07	8.88E-08	1.21E-07	4.52E-08	2.42E-07	8.88E-08
2340	494911.1	3860052	7.55E-04	7.37E-04	7.27E-04	2.62E-07	7.90E-07	4.57E-07	4.46E-07	4.04E-07	1.85E-07	1.82E-07	0.00E+00	0.00E+00	8.41E-08	1.51E-08	9.61E-08	1.48E-08	1.41E-08	2.24E-07	2.38E-07	8.75E-08	1.19E-07	4.45E-08	2.38E-07	8.75E-08
2341	494961.1	3860052	7.44E-04	7.26E-04	7.16E-04	2.58E-07	7.78E-07	4.50E-07	4.39E-07	3.98E-07	1.82E-07	1.79E-07	0.00E+00	0.00E+00	8.28E-08	1.49E-08	9.46E-08	1.46E-08	1.39E-08	2.21E-07	2.35E-07	8.61E-08	1.17E-07	4.38E-08	2.35E-07	8.61E-08
2342	495011.1	3860052	7.34E-04	7.16E-04	7.06E-04	2.54E-07	7.67E-07	4.44E-07	4.33E-07	3.93E-07	1.79E-07	1.77E-07	0.00E+00	0.00E+00	8.16E-08	1.47E-08	9.33E-08	1.44E-08	1.37E-08	2.18E-07	2.32E-07	8.49E-08	1.16E-07	4.32E-08	2.32E-07	8.49E-08
2343	495061.1	3860052	7.26E-04	7.08E-04	6.99E-04	2.51E-07	7.58E-07	4.39E-07	4.28E-07	3.88E-07	1.77E-07	1.75E-07	0.00E+00	0.00E+00	8.08E-08	1.45E-08	9.23E-08	1.42E-08	1.35E-08	2.15E-07	2.29E-07	8.40E-08	1.14E-07	4.27E-08	2.29E-07	8.40E-08
2344	495111.1	3860052	7.15E-04	6.98E-04	6.89E-04	2.48E-07	7.48E-07	4.33E-07	4.22E-07	3.83E-07	1.75E-07	1.72E-07	0.00E+00	0.00E+00	7.96E-08	1.43E-08	9.10E-08	1.40E-08	1.33E-08	2.12E-07	2.26E-07	8.28E-08	1.13E-07	4.21E-08	2.26E-07	8.28E-08
2345	495161.1	3860052	7.08E-04	6.91E-04	6.81E-04	2.45E-07	7.40E-07	4.28E-07	4.18E-07	3.79E-07	1.73E-07	1.71E-07	0.00E+00	0.00E+00	7.88E-08	1.42E-08	9.00E-08	1.39E-08	1.32E-08	2.10E-07	2.23E-07	8.19E-08	1.11E-07	4.17E-08	2.23E-07	8.19E-08
2346	495211.1	3860052	6.99E-04	6.83E-04	6.74E-04	2.42E-07	7.31E-07	4.23E-07	4.13E-07	3.74E-07	1.71E-07	1.69E-07	0.00E+00	0.00E+00	7.79E-08	1.40E-08	8.90E-08	1.37E-08	1.31E-08	2.08E-07	2.21E-07	8.10E-08	1.10E-07	4.12E-08	2.21E-07	8.10E-08
2347	495261.1	3860052	6.95E-04	6.78E-04	6.69E-04	2.40E-07	7.26E-07	4.20E-07	4.10E-07	3.72E-07	1.70E-07	1.67E-07	0.00E+00	0.00E+00	7.73E-08	1.39E-08	8.83E-08	1.36E-08	1.30E-08	2.06E-07	2.19E-07	8.04E-08	1.09E-07	4.09E-08	2.19E-07	8.04E-08
2348	495311.1	3860052	6.90E-04	6.73E-04	6.64E-04	2.39E-07	7.21E-07	4.17E-07	4.07E-07	3.69E-07	1.68E-07	1.66E-07	0.00E+00	0.00E+00	7.68E-08	1.38E-08	8.77E-08	1.35E-08	1.29E-08	2.05E-07	2.18E-07	7.98E-08	1.09E-07	4.06E-08	2.18E-07	7.98E-08
2349	495361.1	3860052	6.84E-04	6.68E-04	6.59E-04	2.37E-07	7.15E-07	4.14E-07	4.04E-07	3.66E-07	1.67E-07	1.65E-07	0.00E+00	0.00E+00	7.62E-08	1.37E-08	8.70E-08	1.34E-08	1.28E-08	2.03E-07	2.16E-07	7.92E-08	1.08E-07	4.03E-08	2.16E-07	7.92E-08
2350	495411.1	3860052	6.78E-04	6.62E-04	6.53E-04	2.35E-07	7.09E-07	4.10E-07	4.00E-07	3.63E-07	1.66E-07	1.63E-07	0.00E+00	0.00E+00	7.55E-08	1.36E-08	8.62E-08	1.33E-08	1.26E-08	2.01E-07	2.14E-07	7.85E-08	1.07E-07	3.99E-08	2.14E-07	7.85E-08
2351	495461.1	3860052	6.71E-04	6.55E-04	6.46E-04	2.32E-07	7.01E-07	4.06E-07	3.96E-07	3.59E-07	1.64E-07	1.62E-07	0.00E+00	0.00E+00	7.47E-08	1.34E-08	8.53E-08	1.32E-08	1.25E-08	1.99E-07	2.12E-07	7.77E-08	1.06E-07	3.95E-08	2.12E-07	7.77E-08
2352	495511.1	3860052	6.66E-04	6.50E-04	6.41E-04	2.31E-07	6.96E-07	4.03E-07	3.93E-07	3.56E-07	1.63E-07	1.60E-07	0.00E+00	0.00E+00	7.41E-08	1.33E-08	8.47E-08	1.31E-08	1.24E-08	1.98E-07	2.10E-07	7.71E-08	1.05E-07	3.92E-08	2.10E-07	7.71E-08
2353	495561.1	3860052	6.60E-04	6.44E-04	6.36E-04	2.28E-07	6.90E-07	3.99E-07	3.90E-07	3.53E-07	1.61E-07	1.59E-07	0.00E+00	0.00E+00	7.35E-08	1.32E-08	8.39E-08	1.29E-08	1.23E-08	1.96E-07	2.08E-07	7.64E-08	1.04E-07	3.89E-08	2.08E-07	7.64E-08
2354	495611.1	3860052	6.53E-04	6.37E-04	6.29E-04	2.26E-07	6.83E-07	3.95E-07	3.86E-07	3.50E-07	1.59E-07	1.57E-07	0.00E+00	0.00E+00	7.27E-08	1.31E-08	8.30E-08	1.28E-08	1.22E-08	1.94E-07	2.06E-07	7.56E-08	1.03E-07	3.84E-08	2.06E-07	7.56E-08
2355	495661.1	3860052	6.45E-04	6.29E-04	6.21E-04	2.23E-07	6.74E-07	3.90E-07	3.81E-07	3.45E-07	1.57E-07	1.55E-07	0.00E+00	0.00E+00	7.18E-08	1.29E-08	8.20E-08	1.26E-08	1.20E-08	1.91E-07	2.03E-07	7.46E-08	1.02E-07	3.80E-08	2.03E-07	7.46E-08
2356	494411.1	3860102	8.36E-04	8.16E-04	8.05E-04	2.90E-07	8.74E-07	5.06E-07	4.94E-07	4.48E-07	2.04E-07	2.02E-07	0.00E+00	0.00E+00	9.31E-08	1.68E-08	1.06E-07	1.64E-08	1.56E-08	2.48E-07	2.64E-07	9.68E-08	1.32E-07	4.92E-08	2.64E-07	9.68E-08
2357	494461.1	3860102	8.36E-04	8.16E-04	8.05E-04	2.89E-07	8.74E-07	5.06E-07	4.94E-07	4.47E-07	2.04E-07	2.01E-07	0.00E+00	0.00E+00	9.31E-08	1.68E-08	1.06E-07	1.64E-08	1.56E-08	2.48E-07	2.64E-07	9.68E-08	1.32E-07	4.92E-08	2.64E-07	9.68E-08
2358	494511.1	3860102	8.21E-04	8.02E-04	7.91E-04	2.84E-07	8.59E-07	4.97E-07	4.85E-07	4.40E-07	2.01E-07	1.98E-07	0.00E+00	0.00E+00	9.14E-08	1.65E-08	1.04E-07	1.61E-08	1.53E-08	2.44E-07	2.59E-07	9.51E-08	1.29E-07	4.84E-08	2.59E-07	9.51E-08
2359	494561.1	3860102	8.17E-04	7.97E-04	7.87E-04	2.83E-07	8.54E-07	4.94E-07	4.82E-07	4.37E-07	2.00E-07	1.97E-07	0.00E+00	0.00E+00	9.09E-08	1.64E-08	1.04E-07	1.60E-08	1.52E-08	2.42E-07	2.58E-07	9.46E-08	1.29E-07	4.81E-08	2.58E-07	9.46E-08
2360	494611.1	3860102	8.18E-04	7.98E-04	7.87E-04	2.83E-07	8.55E-07	4.95E-07	4.83E-07	4.38E-07	2.00E-07	1.97E-07	0.00E+00	0.00E+00	9.10E-08	1.64E-08	1.04E-07	1.60E-08	1.53E-08	2.43E-07	2.58E-07	9.47E-08	1.29E-07	4.81E-08	2.58E-07	9.47E-08
2361	494661.1	3860102	8.13E-04	7.93E-04	7.83E-04	2.81E-07	8.49E-07	4.92E-07	4.80E-07	4.35E-07	1.98E-07	1.96E-07	0.00E+00	0.00E+00	9.05E-08	1.63E-08	1.03E-07	1.59E-08	1.52E-08	2.41E-07	2.57E-07	9.41E-08	1.28E-07	4.78E-08	2.57E-07	9.41E-08
2362	494711.1	3860102	7.99E-04	7.79E-04	7.69E-04	2.76E-07	8.35E-07	4.83E-07	4.72E-07	4.27E-07	1.95E-07	1.92E-07	0.00E+00	0.00E+00	8.89E-08	1.60E-08	1.02E-07	1.57E-08	1.49E-08	2.37E-07	2.52E-07	9.24E-08	1.26E-07	4.70E-08	2.52E-07	9.24E-08
2363	494761.1	3860102	7.93E-04	7.74E-04	7.63E-04	2.74E-07	8.29E-07	4.80E-07	4.68E-07	4.24E-07	1.94E-07	1.91E-07	0.00E+00	0.00E+00	8.83E-08	1.59E-08	1.01E-07	1.55E-08	1.48E-08	2.35E-07	2.50E-07	9.18E-08	1.25E-07	4.67E-08	2.50E-07	9.18E-08
2364	494811.1	3860102	7.88E-04	7.69E-04	7.59E-04	2.73E-07	8.23E-07	4.77E-07	4.65E-07	4.22E-07	1.92E-07	1.90E-07	0.00E+00	0.00E+00	8.77E-08	1.58E-08	1.00E-07	1.55E-08	1.47E-08	2.34E-07	2.49E-07	9.12E-08	1.24E-07	4.64E-08	2.49E-07	9.12E-08
2365	494861.1	3860102	7.92E-04	7.73E-04	7.63E-04	2.74E-07	8.28E-07	4.79E-07	4.68E-07	4.24E-07	1.94E-07	1.91E-07	0.00E+00	0.00E+00	8.82E-08	1.59E-08	1.01E-07	1.55E-08	1.48E-08	2.35E-07	2.50E-07	9.17E-08	1.25E-07	4.66E-08	2.50E-07	9.17E-08
2366	494911.1	3860102	7.69E-04	7.50E-04	7.40E-04	2.66E-07	8.04E-07	4.65E-07	4.54E-07	4.11E-07	1.88E-07	1.85E-07	0.00E+00	0.00E+00	8.56E-08	1.54E-08	9.78E-08	1.51E-08	1.43E-08	2.28E-07	2.43E-07	8.90E-08	1.21E-07	4.53E-08	2.43E-07	8.90E-08
2367	494961.1	3860102	7.62E-04	7.44E-04	7.34E-04	2.64E-07	7.97E-07	4.61E-07	4.50E-07	4.08E-07	1.86E-07	1.84E-07	0.00E+00	0.00E+00	8.48E-08	1.53E-08	9.69E-08	1.49E-08	1.42E-08	2.26E-07	2.41E-07	8.82E-08	1.20E-07	4.49E-08	2.41E-07	8.82E-08
2368	495011.1	3860102	7.52E-04	7.34E-04	7.24E-04	2.60E-07	7.86E-07	4.55E-07	4.44E-07	4.03E-07	1.84E-07	1.81E-07	0.00E+00	0.00E+00	8.37E-08	1.51E-08	9.57E-08	1.48E-08	1.40E-08	2.23E-07	2.37E-07	8.71E-08	1.18E-07	4.43E-08	2.37E-07	8.71E-08
2369	495061.1	3860102	7.43E-04	7.25E-04	7.15E-04	2.57E-07	7.77E-07	4.50E-07	4.39E-07	3.98E-07	1.81E-07	1.79E-07	0.00E+00	0.00E+00	8.27E-08	1.49E-08	9.45E-08	1.46E-08	1.39E-08	2.21E-07	2.35E-07	8.60E-08	1.17E-07	4.37E-08	2.35E-07	8.60E-08
2370	495111.1	3860102	7.32E-04	7.14E-04	7.05E-04	2.53E-07	7.65E-07	4.43E-07	4.32E-07	3.92E-07	1.79E-07	1.76E-07	0.00E+00	0.00E+00	8.15E-08	1.47E-08	9.31E-08	1.44E-08	1.37E-08	2.17E-07	2.31E-07	8.47E-08	1.15E-07	4.31E-08	2.31E-07	8.47E-08
2371	495161.1	3860102	7.27E-04	7.09E-04	7.00E-04	2.52E-07	7.60E-07	4.40E-07	4.29E-07	3.89E-07	1.78E-07	1.75E-07	0.00E+00	0.00E+00	8.09E-08	1.46E-08	9.24E-08	1.43E-08	1.36E-08	2.16E-07	2.29E-07	8.41E-08	1.15E-07	4.28E-08	2.29E-07	8.41E-08
2372	495211.1	3860102	7.19E-04	7.02E-04	6.93E-04	2.49E-07	7.52E-07	4.35E-07	4.25E-07	3.85E-07	1.76E-07	1.73E-07	0.00E+00	0.00E+00	8.01E-08	1.44E-08	9.15E-08	1.41E-08	1.34E-08	2.14E-07	2.27E-07	8.33E-08	1.13E-07	4.23E-08	2.27E-07	8.33E-08
2373	495261.1	3860102	7.13E-04	6.96E-04	6.86E-04	2.47E-07	7.45E-07	4.31E-07	4.21E-07	3.81E-07	1.74E-07	1.72E-07	0.00E+00	0.00E+00	7.93E-08	1.43E-08	9.06E-08	1.40E-08	1.33E-08	2.12E-07	2.25E-07	8.25E-08	1.12E-07	4.20E-08	2.25E-07	8.25E-08
2374	495311.1	3860102	7.06E-04	6.89E-04	6.80E-04	2.44E-07	7.38E-07	4.27E-07	4.17E-07	3.78E-07	1.72E-07	1.70E-07	0.00E+00	0.00E+00	7.86E-08	1.42E-08	8.98E-08	1.38E-08	1.32E-08	2.10E-07	2.23E-07	8.17E-08	1.11E-07	4.16E-08	2.23E-07	8.17E-08
2375	495361.1	3860102	7.02E-04	6.85E-04	6.76E-04	2.43E-07	7.34E-07	4.25E-07	4.14E-07	3.76E-07	1.71E-07	1.69E-07	0.00E+00	0.00E+00	7.81E-08	1.41E-08	8.93E-08	1.38E-08	1.31E-08	2.08E-07	2.22E-07	8.13E-08	1.11E-07	4.13E-08	2.22E-07	8.13E-08
2376	495411.1	3860102	6.95E-04	6.79E-04	6.70E-04	2.41E-07	7.27E-07	4.21E-07	4.11E-07	3.72E-07	1.70E-07	1.68E-07	0.00E+00	0.00E+00	7.74E-08	1.39E-08	8.84E-08	1.36E-08	1.30E-08	2.06E-07	2.19E-07	8.05E-08	1.10E-07	4.09E-08	2.19E-07	8.05E-08
2377	495461.1	3860102	6.85E-04	6.69E-04	6.60E-04	2.37E-07	7.16E-07	4.15E-07	4.05E-07	3.67E-07	1.67E-07	1.65E-07	0.00E+00	0.00E+00	7.63E-08	1.37E-08	8.72E-08	1.34E-08	1.28E-08	2.03E-07	2.16E-07	7.93E-08	1.08E-07	4.03E-08	2.16E-07	7.93E-08
2378	495511.1	3860102	6.82E-04	6.65E-04	6.56E-04	2.36E-07	7.12E-07	4.12E-07	4.02E-07	3.65E-07	1.66E-07	1.64E-07	0.00E+00	0.00E+00	7.59E-08	1.37E-08	8.67E-08	1.34E-08	1.27E-08	2.02E-07	2.15E-07	7.89E-08	1.07E-07	4.01E-08	2.15E-07	7.89E-08
2379	495561.1	3860102	6.77E-04	6.61E-04	6.52E-04	2.35E-07	7.08E-07	4.10E-07	4.00E-07	3.63E-07	1.65E-07	1.63E-07	0.00E+00	0.00E+00	7.54E-08	1.36E-08	8.62E-08	1.33E-08	1.26E-08	2.01E-07	2.14E-07	7.84E-08	1.07E-07	3.99E-08	2.14E-07	7.84E-08
2380	495611.1	3860102	6.68E-04	6.52E-04	6.44E-04	2.31E-07	6.99E-07	4.04E-07	3.95E-07	3.58E-07	1.63E-07	1.61E-07	0.00E+00	0.00E+00	7.44E-08	1.34E-08	8.50E-08	1.31E-08	1.25E-08	1.98E-07	2.11E-07	7.74E-08	1.05E-07	3.93E-08	2.11E-07	7.74E-08

2381	495661.1	3860102	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	0.00E+00	0.00E+00	7.38E-08	1.33E-08	8.43E-08	1.30E-08	1.24E-08	1.97E-07	2.09E-07	7.67E-08	1.04E-07	3.90E-08	2.09E-07	7.67E-08
2382	494861.1	3860152	8.20E-04	8.00E-04	7.89E-04	2.84E-07	8.57E-07	4.96E-07	4.84E-07	4.39E-07	2.00E-07	1.98E-07	0.00E+00	0.00E+00	9.13E-08	1.64E-08	1.04E-07	1.61E-08	1.53E-08	2.43E-07	2.59E-07	9.49E-08	1.29E-07	4.83E-08	2.59E-07	9.49E-08
2383	494911.1	3860152	7.93E-04	7.74E-04	7.63E-04	2.74E-07	8.29E-07	4.80E-07	4.68E-07	4.24E-07	1.94E-07	1.91E-07	0.00E+00	0.00E+00	8.83E-08	1.59E-08	1.01E-07	1.55E-08	1.48E-08	2.35E-07	2.50E-07	9.18E-08	1.25E-07	4.67E-08	2.50E-07	9.18E-08
2384	494961.1	3860152	7.83E-04	7.64E-04	7.54E-04	2.71E-07	8.18E-07	4.74E-07	4.62E-07	4.19E-07	1.91E-07	1.89E-07	0.00E+00	0.00E+00	8.71E-08	1.57E-08	9.96E-08	1.54E-08	1.46E-08	2.32E-07	2.47E-07	9.06E-08	1.23E-07	4.61E-08	2.47E-07	9.06E-08
2385	495011.1	3860152	7.73E-04	7.54E-04	7.44E-04	2.67E-07	8.07E-07	4.67E-07	4.56E-07	4.13E-07	1.89E-07	1.86E-07	0.00E+00	0.00E+00	8.60E-08	1.55E-08	9.82E-08	1.51E-08	1.44E-08	2.29E-07	2.44E-07	8.94E-08	1.22E-07	4.55E-08	2.44E-07	8.94E-08
2386	495061.1	3860152	7.63E-04	7.44E-04	7.34E-04	2.64E-07	7.97E-07	4.61E-07	4.50E-07	4.08E-07	1.86E-07	1.84E-07	0.00E+00	0.00E+00	8.49E-08	1.53E-08	9.70E-08	1.50E-08	1.42E-08	2.26E-07	2.41E-07	8.83E-08	1.20E-07	4.49E-08	2.41E-07	8.83E-08
2387	495111.1	3860152	7.55E-04	7.36E-04	7.27E-04	2.61E-07	7.89E-07	4.57E-07	4.46E-07	4.04E-07	1.84E-07	1.82E-07	0.00E+00	0.00E+00	8.40E-08	1.51E-08	9.60E-08	1.48E-08	1.41E-08	2.24E-07	2.38E-07	8.74E-08	1.19E-07	4.44E-08	2.38E-07	8.74E-08
2388	495161.1	3860152	7.48E-04	7.30E-04	7.20E-04	2.59E-07	7.81E-07	4.52E-07	4.41E-07	4.00E-07	1.83E-07	1.80E-07	0.00E+00	0.00E+00	8.32E-08	1.50E-08	9.51E-08	1.47E-08	1.40E-08	2.22E-07	2.36E-07	8.65E-08	1.18E-07	4.40E-08	2.36E-07	8.65E-08
2389	495211.1	3860152	7.40E-04	7.22E-04	7.12E-04	2.56E-07	7.73E-07	4.48E-07	4.37E-07	3.96E-07	1.81E-07	1.78E-07	0.00E+00	0.00E+00	8.23E-08	1.48E-08	9.41E-08	1.45E-08	1.38E-08	2.20E-07	2.33E-07	8.56E-08	1.17E-07	4.35E-08	2.33E-07	8.56E-08
2390	495261.1	3860152	7.34E-04	7.16E-04	7.06E-04	2.54E-07	7.67E-07	4.44E-07	4.33E-07	3.93E-07	1.79E-07	1.77E-07	0.00E+00	0.00E+00	8.16E-08	1.47E-08	9.33E-08	1.44E-08	1.37E-08	2.18E-07	2.32E-07	8.49E-08	1.16E-07	4.32E-08	2.32E-07	8.49E-08
2391	495311.1	3860152	7.27E-04	7.09E-04	7.00E-04	2.52E-07	7.60E-07	4.40E-07	4.29E-07	3.89E-07	1.78E-07	1.75E-07	0.00E+00	0.00E+00	8.09E-08	1.46E-08	9.24E-08	1.43E-08	1.36E-08	2.16E-07	2.29E-07	8.41E-08	1.15E-07	4.28E-08	2.29E-07	8.41E-08
2392	495361.1	3860152	7.21E-04	7.04E-04	6.94E-04	2.50E-07	7.54E-07	4.36E-07	4.26E-07	3.86E-07	1.76E-07	1.74E-07	0.00E+00	0.00E+00	8.03E-08	1.45E-08	9.17E-08	1.41E-08	1.35E-08	2.14E-07	2.28E-07	8.35E-08	1.14E-07	4.24E-08	2.28E-07	8.35E-08
2393	495411.1	3860152	7.14E-04	6.97E-04	6.88E-04	2.47E-07	7.47E-07	4.32E-07	4.22E-07	3.82E-07	1.74E-07	1.72E-07	0.00E+00	0.00E+00	7.95E-08	1.43E-08	9.09E-08	1.40E-08	1.33E-08	2.12E-07	2.25E-07	8.27E-08	1.13E-07	4.21E-08	2.25E-07	8.27E-08
2394	495461.1	3860152	7.08E-04	6.91E-04	6.81E-04	2.45E-07	7.40E-07	4.28E-07	4.18E-07	3.79E-07	1.73E-07	1.71E-07	0.00E+00	0.00E+00	7.88E-08	1.42E-08	9.00E-08	1.39E-08	1.32E-08	2.10E-07	2.23E-07	8.19E-08	1.11E-07	4.17E-08	2.23E-07	8.19E-08
2395	495511.1	3860152	7.00E-04	6.83E-04	6.74E-04	2.42E-07	7.32E-07	4.23E-07	4.13E-07	3.75E-07	1.71E-07	1.69E-07	0.00E+00	0.00E+00	7.79E-08	1.40E-08	8.90E-08	1.37E-08	1.31E-08	2.08E-07	2.21E-07	8.10E-08	1.10E-07	4.12E-08	2.21E-07	8.10E-08
2396	495561.1	3860152	6.95E-04	6.78E-04	6.69E-04	2.41E-07	7.26E-07	4.20E-07	4.10E-07	3.72E-07	1.70E-07	1.67E-07	0.00E+00	0.00E+00	7.74E-08	1.39E-08	8.84E-08	1.36E-08	1.30E-08	2.06E-07	2.19E-07	8.04E-08	1.09E-07	4.09E-08	2.19E-07	8.04E-08
2397	495611.1	3860152	6.87E-04	6.71E-04	6.62E-04	2.38E-07	7.19E-07	4.16E-07	4.06E-07	3.68E-07	1.68E-07	1.66E-07	0.00E+00	0.00E+00	7.65E-08	1.38E-08	8.74E-08	1.35E-08	1.28E-08	2.04E-07	2.17E-07	7.96E-08	1.08E-07	4.05E-08	2.17E-07	7.96E-08
2398	495661.1	3860152	6.79E-04	6.63E-04	6.54E-04	2.35E-07	7.10E-07	4.11E-07	4.01E-07	3.64E-07	1.66E-07	1.64E-07	0.00E+00	0.00E+00	7.56E-08	1.36E-08	8.64E-08	1.33E-08	1.27E-08	2.02E-07	2.14E-07	7.86E-08	1.07E-07	4.00E-08	2.14E-07	7.86E-08
2399	495718.3	3859443	4.79E-04	4.68E-04	4.61E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.33E-08	9.60E-09	6.09E-08	9.40E-09	8.94E-09	1.42E-07	1.51E-07	5.55E-08	7.55E-08	2.82E-08	1.51E-07	5.55E-08
2400	495818.3	3859443	4.70E-04	4.59E-04	4.53E-04	1.63E-07	4.92E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.13E-07	0.00E+00	0.00E+00	5.24E-08	9.43E-09	5.98E-08	9.23E-09	8.78E-09	1.40E-07	1.48E-07	5.45E-08	7.41E-08	2.77E-08	1.48E-07	5.45E-08
2401	495918.3	3859443	4.64E-04	4.53E-04	4.47E-04	1.61E-07	4.85E-07	2.81E-07	2.74E-07	2.48E-07	1.13E-07	1.12E-07	0.00E+00	0.00E+00	5.16E-08	9.30E-09	5.90E-08	9.10E-09	8.65E-09	1.38E-07	1.46E-07	5.37E-08	7.31E-08	2.73E-08	1.46E-07	5.37E-08
2402	496018.3	3859443	4.58E-04	4.47E-04	4.41E-04	1.59E-07	4.79E-07	2.77E-07	2.70E-07	2.45E-07	1.12E-07	1.10E-07	0.00E+00	0.00E+00	5.10E-08	9.18E-09	5.82E-08	8.98E-09	8.55E-09	1.36E-07	1.45E-07	5.30E-08	7.22E-08	2.70E-08	1.45E-07	5.30E-08
2403	496118.3	3859443	4.58E-04	4.47E-04	4.41E-04	1.59E-07	4.79E-07	2.77E-07	2.70E-07	2.45E-07	1.12E-07	1.10E-07	0.00E+00	0.00E+00	5.10E-08	9.18E-09	5.82E-08	8.98E-09	8.55E-09	1.36E-07	1.45E-07	5.30E-08	7.22E-08	2.70E-08	1.45E-07	5.30E-08
2404	496218.3	3859443	4.57E-04	4.46E-04	4.40E-04	1.58E-07	4.77E-07	2.76E-07	2.70E-07	2.44E-07	1.12E-07	1.10E-07	0.00E+00	0.00E+00	5.08E-08	9.15E-09	5.81E-08	8.96E-09	8.52E-09	1.36E-07	1.44E-07	5.29E-08	7.20E-08	2.69E-08	1.44E-07	5.29E-08
2405	496318.3	3859443	4.52E-04	4.41E-04	4.35E-04	1.57E-07	4.73E-07	2.74E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.03E-08	9.06E-09	5.75E-08	8.87E-09	8.44E-09	1.34E-07	1.43E-07	5.23E-08	7.12E-08	2.66E-08	1.43E-07	5.23E-08
2406	496418.3	3859443	4.47E-04	4.36E-04	4.30E-04	1.55E-07	4.67E-07	2.70E-07	2.64E-07	2.39E-07	1.09E-07	1.08E-07	0.00E+00	0.00E+00	4.97E-08	8.95E-09	5.68E-08	8.76E-09	8.34E-09	1.33E-07	1.41E-07	5.17E-08	7.04E-08	2.63E-08	1.41E-07	5.17E-08
2407	495718.3	3859543	5.01E-04	4.89E-04	4.83E-04	1.73E-07	5.24E-07	3.03E-07	2.96E-07	2.68E-07	1.22E-07	1.21E-07	0.00E+00	0.00E+00	5.58E-08	1.00E-08	6.37E-08	9.83E-09	9.35E-09	1.49E-07	1.58E-07	5.80E-08	7.90E-08	2.95E-08	1.58E-07	5.80E-08
2408	495818.3	3859543	4.94E-04	4.82E-04	4.75E-04	1.71E-07	5.16E-07	2.99E-07	2.92E-07	2.64E-07	1.21E-07	1.19E-07	0.00E+00	0.00E+00	5.50E-08	9.89E-09	6.28E-08	9.68E-09	9.21E-09	1.47E-07	1.56E-07	5.72E-08	7.78E-08	2.91E-08	1.56E-07	5.72E-08
2409	495918.3	3859543	4.85E-04	4.73E-04	4.67E-04	1.68E-07	5.07E-07	2.93E-07	2.86E-07	2.60E-07	1.18E-07	1.17E-07	0.00E+00	0.00E+00	5.40E-08	9.72E-09	6.17E-08	9.51E-09	9.05E-09	1.44E-07	1.53E-07	5.61E-08	7.64E-08	2.86E-08	1.53E-07	5.61E-08
2410	496018.3	3859543	4.78E-04	4.66E-04	4.60E-04	1.65E-07	5.00E-07	2.89E-07	2.82E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.32E-08	9.58E-09	6.08E-08	9.37E-09	8.92E-09	1.42E-07	1.51E-07	5.53E-08	7.53E-08	2.81E-08	1.51E-07	5.53E-08
2411	496118.3	3859543	4.78E-04	4.66E-04	4.60E-04	1.65E-07	4.99E-07	2.89E-07	2.82E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.32E-08	9.57E-09	6.07E-08	9.36E-09	8.91E-09	1.42E-07	1.51E-07	5.53E-08	7.52E-08	2.81E-08	1.51E-07	5.53E-08
2412	496218.3	3859543	4.75E-04	4.64E-04	4.57E-04	1.64E-07	4.97E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	0.00E+00	0.00E+00	5.29E-08	9.52E-09	6.04E-08	9.32E-09	8.86E-09	1.41E-07	1.50E-07	5.50E-08	7.48E-08	2.80E-08	1.50E-07	5.50E-08
2413	496318.3	3859543	4.72E-04	4.60E-04	4.54E-04	1.63E-07	4.93E-07	2.85E-07	2.79E-07	2.52E-07	1.15E-07	1.14E-07	0.00E+00	0.00E+00	5.25E-08	9.45E-09	6.00E-08	9.25E-09	8.80E-09	1.40E-07	1.49E-07	5.46E-08	7.43E-08	2.78E-08	1.49E-07	5.46E-08
2414	496418.3	3859543	4.65E-04	4.54E-04	4.48E-04	1.61E-07	4.86E-07	2.81E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	5.18E-08	9.32E-09	5.91E-08	9.12E-09	8.68E-09	1.38E-07	1.47E-07	5.38E-08	7.33E-08	2.74E-08	1.47E-07	5.38E-08
2415	495718.3	3859643	5.23E-04	5.11E-04	5.04E-04	1.81E-07	5.47E-07	3.17E-07	3.09E-07	2.80E-07	1.28E-07	1.26E-07	0.00E+00	0.00E+00	5.82E-08	1.05E-08	6.65E-08	1.03E-08	9.76E-09	1.55E-07	1.65E-07	6.06E-08	8.24E-08	3.08E-08	1.65E-07	6.06E-08
2416	495818.3	3859643	5.14E-04	5.02E-04	4.95E-04	1.78E-07	5.37E-07	3.11E-07	3.04E-07	2.75E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.72E-08	1.03E-08	6.54E-08	1.01E-08	9.59E-09	1.53E-07	1.62E-07	5.95E-08	8.10E-08	3.03E-08	1.62E-07	5.95E-08
2417	495918.3	3859643	5.07E-04	4.95E-04	4.89E-04	1.76E-07	5.30E-07	3.07E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.65E-08	1.02E-08	6.45E-08	9.95E-09	9.47E-09	1.51E-07	1.60E-07	5.87E-08	7.99E-08	2.99E-08	1.60E-07	5.87E-08
2418	496018.3	3859643	5.00E-04	4.87E-04	4.81E-04	1.73E-07	5.22E-07	3.02E-07	2.95E-07	2.67E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.56E-08	1.00E-08	6.35E-08	9.80E-09	9.32E-09	1.48E-07	1.58E-07	5.78E-08	7.87E-08	2.94E-08	1.58E-07	5.78E-08
2419	496118.3	3859643	5.00E-04	4.88E-04	4.81E-04	1.73E-07	5.23E-07	3.02E-07	2.95E-07	2.68E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.56E-08	1.00E-08	6.36E-08	9.80E-09	9.33E-09	1.48E-07	1.58E-07	5.79E-08	7.88E-08	2.94E-08	1.58E-07	5.79E-08
2420	496218.3	3859643	4.98E-04	4.86E-04	4.80E-04	1.72E-07	5.21E-07	3.01E-07	2.94E-07	2.67E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.55E-08	9.99E-09	6.34E-08	9.77E-09	9.30E-09	1.48E-07	1.57E-07	5.77E-08	7.85E-08	2.93E-08	1.57E-07	5.77E-08
2421	496318.3	3859643	4.92E-04	4.80E-04	4.73E-04	1.70E-07	5.14E-07	2.97E-07	2.90E-07	2.63E-07	1.20E-07	1.18E-07	0.00E+00	0.00E+00	5.47E-08	9.85E-09	6.25E-08	9.64E-09	9.17E-09	1.46E-07	1.55E-07	5.69E-08	7.74E-08	2.89E-08	1.55E-07	5.69E-08
2422	496418.3	3859643	4.74E-04	4.63E-04	4.57E-04	1.64E-07	4.96E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	0.00E+00	0.00E+00	5.28E-08	9.50E-09	6.03E-08	9.30E-09	8.85E-09	1.41E-07	1.50E-07	5.49E-08	7.47E-08	2.79E-08	1.50E-07	5.49E-08
2423	495718.3	3859743	5.51E-04	5.38E-04	5.30E-04	1.91E-07	5.76E-07	3.33E-07	3.25E-07	2.95E-07	1.35E-07	1.33E-07	0.00E+00	0.00E+00	6.13E-08	1.10E-08	7.01E-08	1.08E-08	1.03E-08	1.64E-07	1.74E-07	6.38E-08	8.68E-08	3.24E-08	1.74E-07	6.38E-08
2424	495818.3	3859743	5.40E-04	5.27E-04	5.20E-04	1.87E-07	5.65E-07	3.27E-07	3.19E-07	2.89E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	6.01E-08	1.08E-08	6.87E-08	1.06E-08	1.01E-08	1.60E-07	1.70E-07	6.25E-08	8.51E-08	3.18E-08	1.70E-07	6.25E-08
2425	495918.3	3859743	5.31E-04	5.19E-04	5.12E-04	1.84E-07	5.55E-07	3.22E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.92E-08	1.07E-08	6.76E-08	1.04E-08	9.92E-09	1.58E-07	1.68E-07	6.15E-08	8.37E-08	3.13E-08	1.68E-07	6.15E-08
2426	496018.3	3859743	5.22E-04	5.10E-04	5.03E-04	1.81E-07	5.46E-07	3.16E-07	3.08E-07	2.80E-07	1.28E-07	1.26E-07	0.00E+00	0.00E+00	5.81E-08	1.05E-08	6.64E-08	1.02E-08	9.75E-09	1.55E-07	1.65E-07	6.05E-08	8.23E-08	3.07E-08	1.65E-07	6.05E-08
2427	496118.3	3859743	5.22E-04	5.09E-04	5.02E-04	1.81E-07	5.45E-07	3.16E-07	3.08E-07	2.79E-07	1.27E-07	1.26E-07	0.00E+00	0.00E+00	5.81E-08	1.05E-08	6.63E-08	1.02E-08	9.73E-09	1.55E-07	1.65E-07	6.04E-08	8.22E-08	3.07E-08	1.65E-07	6.04E-08
2428	496218.3	3859743	5.23E-04	5.11E-04	5.04E-04	1.81E-07	5.47E-07	3.17E-07	3.09E-07	2.80E-07	1.28E-07	1.26E-07	0.00E+00	0.00E+00	5.82E-08	1.05E-08	6.65E-08	1.03E-08	9.76E-09	1.55E-07	1.65E-07	6.06E-08	8.24E-08	3.08E-08	1.65E-07	6.06E-08
2429	496318.3	3859743	5.06E-04	4.94E-04	4.87E-04	1.75E-07	5.29E-07	3.06E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.63E-08	1.01E-08	6.43E-08	9.92E-09	9.44E-09	1.50E-07	1.60E-07	5.85E-08	7.97E-08	2.98E-08	1.60E-07	5.85E-08
2430	496418.3	3859743	4.89E-04	4.77E-04	4.71E-04	1.69E-07	5.11E-07	2.96E-07	2.89E-07	2.62E-07	1.19E-07	1.18E-07	0.00E+00	0.00E+00	5.44E-08	9.79E-09	6.22E-08	9.58E-09	9.12E-09	1.45E-07	1.54E-07	5.66E-08	7.70E-08	2.88E-08	1.54E-07	5.66E-08
2431	495718.3	3859843	5.78E-04	5.64E-04	5.56E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.43E-08	1.16E-08	7.35E-08	1.13E-08	1.08E-08	1.72E-07	1.82E-07	6.69E-08	9.10E-08	3.40E-08	1.82E-07	6.69E-08
2432	495818.3	3859843	5.68E-04	5.55E-04	5.47E-04	1.97E-07	5.94E-07	3.44E-07	3.36E-07	3.04E-07	1.39E-07	1.37E-07	0.00E+00	0.00E+00	6.33E-08	1.14E-08	7.23E-08	1.11E-08	1.06E-08	1.69E-07	1.79E-07	6.58E-08	8.95E-08	3.35E-08	1.79E-07	6.58E-08
2433	495918.3	3859843	5.58E-04	5.45E-04	5.38E-04	1.93E-07	5.84E-07	3.38E-07	3.30E-07	2.99E-07	1.36E-07	1.35E-07	0.00E+00	0.00E+00	6.22E-08	1.12E-08	7.10E-08	1.10E-08	1.04E-08	1.66E-07	1.76E-07	6.46E-08	8.80E-08	3.29E-08	1.76E-07	6.46E-08
2434	496018.3	3859843	5.52E-04	5.39E-04	5.32E-04	1.91E-07	5.77E-07	3.34E-07	3.26E-07	2.96E-07	1.35E-07	1.33E-07	0.00E+00	0.00E+00	6.15E-08	1.11E-08	7.02E-08	1.08E-08	1.03E-08	1.64E-07	1.74E-07	6.39E-08	8.70E-08	3.25E-08	1.74E-07	6.39E-08
2435	496118.3	3859843	5.53E-04	5.40E-04	5.32E-04	1.91E-07	5.78E-07	3.35E-07	3.27E-07	2.96E-07	1.35E-07	1.33E-07	0.00E+00	0.00E+00	6.16E-08	1.11E-08	7.03E-08	1.08E-08	1.03E-08	1.64E-07	1.75E-07	6.40E-08	8.71E-08	3.26E-08	1.75E-07	6.40E-08
2436	496218.3	3859843	5.37E-04	5.24E-04	5.17E-04	1.86E-07	5.61E-07	3.25E-07	3.17E-07	2.87E-07	1.31E-07	1.29E-07	0.00E+00	0.00E+00	5.98E-08	1.08E-08	6.83E-08	1.05E-08	1.00E-08	1.59E-07	1.69E-07	6.21E-08	8.46E-08	3.16E-08	1.69E-07	6.21E-08
2437	496318.3	3859843	5.07E-04	4.94E-04	4.88E-04	1.75E-07	5.29E-07	3.07E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.64E-08	1.02E-08	6.44E-08	9.93E-09	9.45E-09	1.50E-07	1.60E-07	5.86E-08	7.98E-08	2.98E-08	1.60E-07	5.86E-08
2438	496418.3	3859843	4.89E-04	4.77E-04	4.71E-04	1.69E-07	5.11E-07	2.96E-07	2.89E-07	2.62E-07	1.19E-07	1.18E-07	0.00E+00	0.00E+00	5.44E-08	9.80E-09	6.22E-08	9.59E-09	9.13E-09	1.45E-07	1.54E-07	5.66E-08	7.71E-08	2.88E-08	1.54E-07	5.66E-08
2439	495718.3	3859943	6.06E-04	5.91E-04	5.83E-04	2.10E-07	6.33E-07	3.67E-07	3.58E-07	3.24E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.74E-08	1.21E-08	7.70E-08	1.19E-08	1.13E-08	1.80E-07	1.91E-07	7.01E-08	9.54E-08	3.57E-08	1.91E-07	7.01E-08
2440	495818.3	3859943	5.95E-04	5.80E-04	5.72E-04	2.06E-07	6.21E-07	3.60E-07	3.51E-07	3.18E-07	1.45E-07	1.43E-07	0.00E+00	0.00E+00	6.62E-08	1.19E-08	7.56E-08	1.17E-08	1.11E-08	1.76E-07	1.88E-07	6.88E-08	9.37E-08	3.50E-08	1.88E-07	6.88E-08
2441	495918.3	3859943	5.87E-04	5.72E-04	5.65E-04	2.03E-07	6.13E-07	3.55E-07	3.46E-07	3.14E-07	1.43E-07	1.41E-07	0.00E+00	0.00E+00	6.53E-08	1.18E-08	7.46E-08	1.15E-08	1.09E-08	1.74E-07	1.85E-07	6.79E-08	9.24E-08	3.45E-08	1.85E-07	6.79E-08
2442	496018.3	3859943	5.85E-04	5.71E-04	5.64E-04	2.03E-07	6.12E-07	3.54E-07	3.46E-07	3.13E-07	1.43E-07	1.41E-07	0.00E+00	0.00E+00	6.52E-08	1.17E-08	7.44E-08	1.15E-08	1.09E-08	1.74E-07	1.85E-07	6.78E-08	9.22E-08	3.45E-08	1.85E-07	6.78E-08
2443	496118.3	3859943	5.70E-04	5.56E-04	5.49E-04	1.97E-07	5.96E-07	3.45E-07	3.37E-07	3.05E-07	1.39E-07	1.37E-07	0.00E+00	0.00E+00	6.35E-08	1.14E-08	7.25E-08	1.12E-08	1.06E-08	1.69E-07	1.80E-07	6.60E-08	8.98E-08	3.36E-08	1.80E-07	6.60E-08
2444	496218.3	3859943	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.09E-08	1.10E-08	6.95E-08	1.07E-08	1.02E-08	1.62E-07	1.73E-07	6.33E-08	8.61E-08	3.22E-08	1.73E-07	6.33E-08
2445	496318.3	3859943	5.25E-04	5.12E-04	5.05E-04	1.82E-07	5.49E-07	3.18E-07	3.10E-07	2.81E-07	1.28E-07	1.26E-07	0.00E+00	0.00E+00	5.84E-08	1.05E-08	6.67E-08	1.03E-08	9.79E-09	1.56E-07	1.66E-07	6.08E-08	8.27E-08	3.09E-08	1.66E-07	6.08E-08
2446	496418.3	3859943	5.00E-04	4.87E-04	4.81E-04	1.73E-07	5.22E-07	3.02E-07	2.95E-07	2.67E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.56E-08	1.00E-08	6.35E-08	9.80E-09	9.32E-09	1.48E-07	1.58E-07	5.78E-08	7.87E-08	2.94E-08	1.58E-07	5.78E-08
2447	496856.8	3858865	3.53E-04	3.45E-04	3.40E-04	1.22E-07	3.69E-07	2.14E-07	2.09E-07	1.89E-07	8.63E-08	8.52E-08	0.00E+00	0.00E+00	3.93E-08	7.08E-09	4.50E-08	6.93E-09	6.60E-09	1.05E-07	1.12E-07	4.09E-08	5.57E-08	2.08E-08	1.12E-07	4.09E-08
2448	496956.8	3858865	3.50E-04	3.42E-04	3.37E-04	1.21E-07	3.66E-07	2.12E-07	2.07E-07	1.87E-07	8.55E-08	8.44E-08	0.00E+00	0.00E+00	3.90E-08	7.02E-09	4.45E-08	6.87E-09	6.53E-09	1.04E-07	1.11E-07	4.05E-08	5.52E-08	2.06E-08	1.11E-07	4.05E-08
2449	497056.8	3858865	3.47E-04	3.38E-04	3.34E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.47E-08	8.36E-08	0.00E+00	0.00E+00	3.86E-08	6.95E-09	4.41E-08	6.80E-09	6.47E-09	1.03E-07	1.09E-07	4.01E-08	5.46E-08	2.04E-08	1.09E-07	4.01E-08
2450	497156.8	3858865	3.44E-04	3.35E-04	3.31E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.39E-08	8.28E-08	0.00E+00	0.00E+00	3.82E-08	6.88E-09	4.37E-08	6.74E-09	6.41E-09	1.02E-07	1.08E-07	3.98E-08	5.41E-08	2.02E-08	1.08E-07	3.98E-08
2451	497256.8	3858865	3.42E-04	3.34E-04	3.29E-04	1.18E-07	3.57E-07	2.07E-07	2.02E-07	1.83E-07	8.35E-08	8.24E-08	0.00E+00	0.00E+00	3.81E-08	6.85E-09	4.35E-08	6.70E-09	6.38E-09	1.01E-07	1.08E-07	3.96E-08	5.39E-08	2.01E-08	1.08E-07	3.96E-08
2452	496856.8	3858965	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	0.00E+00	0.00E+00	4.05E-08	7.30E-09	4.63E-08	7.14E-09	6.80E-09	1.08E-07	1.15E-07	4.22E-08	5.74E-08	2.14E-08	1.15E-07	4.22E-08
2453	496956.8	3858965	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	0.00E+00	0.00E+00	4.00E-08	7.21E-09	4.57E-08	7.05E-09	6.71E-09	1.07E-07	1.14E-07	4.16E-08	5.67E-08	2.12E-08	1.14E-07	4.16E-08
2454	497056.8	3858965	3.56E-04	3.47E-04	3.43E-04	1.23E-07	3.72E-07	2.15E-07	2.10E-07	1.91E-07	8.69E-08	8.58E-08	0.00E+00	0.00E+00	3.96E-08	7.13E-09	4.53E-08	6.98E-09	6.64E-09	1.06E-07	1.12E-07	4.12E-08	5.61E-08	2.10E-08	1.12E-07	4.12E-08
2455	497156.8	3858965	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	0.00E+00	0.00E+00	3.93E-08	7.07E-09	4.48E-08	6.92E-09	6.58E-09	1.05E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
2456	497256.8	3858965	3.53E-04	3.45E-04	3.40E-04	1.22E-07	3.69E-07	2.14E-07	2.09E-07	1.89E-07	8.63E-08	8.52E-08	0.00E+00	0.00E+00	3.93E-08	7.08E-09	4.50E-08	6.93E-09	6.60E-09	1.05E-07	1.12E-07	4.09E-08	5.57E-08	2.08E-08	1.12E-07	4.09E-08
2457	496856.8	3859065	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.11E-08	8.99E-08	0.00E+00	0.00E+00	4.15E-08	7.47E-09	4.74E-08	7.31E-09	6.96E-09	1.11E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08

2458	496956.8	3859065	3.69E-04	3.60E-04	3.55E-04	1.28E-07	3.85E-07	2.23E-07	2.18E-07	1.97E-07	9.01E-08	8.89E-08	0.00E+00	0.00E+00	4.11E-08	7.39E-09	4.69E-08	7.23E-09	6.88E-09	1.09E-07	1.16E-07	4.27E-08	5.81E-08	2.17E-08	1.16E-07	4.27E-08
2459	497056.8	3859065	3.66E-04	3.57E-04	3.52E-04	1.27E-07	3.82E-07	2.21E-07	2.16E-07	1.96E-07	8.93E-08	8.81E-08	0.00E+00	0.00E+00	4.07E-08	7.33E-09	4.65E-08	7.17E-09	6.82E-09	1.08E-07	1.15E-07	4.23E-08	5.76E-08	2.15E-08	1.15E-07	4.23E-08
2460	497156.8	3859065	3.63E-04	3.54E-04	3.49E-04	1.26E-07	3.79E-07	2.19E-07	2.14E-07	1.94E-07	8.86E-08	8.74E-08	0.00E+00	0.00E+00	4.04E-08	7.27E-09	4.61E-08	7.11E-09	6.77E-09	1.08E-07	1.14E-07	4.20E-08	5.71E-08	2.13E-08	1.14E-07	4.20E-08
2461	497256.8	3859065	3.65E-04	3.56E-04	3.52E-04	1.26E-07	3.82E-07	2.21E-07	2.16E-07	1.95E-07	8.92E-08	8.80E-08	0.00E+00	0.00E+00	4.06E-08	7.32E-09	4.64E-08	7.16E-09	6.81E-09	1.08E-07	1.15E-07	4.23E-08	5.75E-08	2.15E-08	1.15E-07	4.23E-08
2462	496856.8	3859165	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.28E-08	9.16E-08	0.00E+00	0.00E+00	4.23E-08	7.62E-09	4.83E-08	7.45E-09	7.09E-09	1.13E-07	1.20E-07	4.40E-08	5.99E-08	2.24E-08	1.20E-07	4.40E-08
2463	496956.8	3859165	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.27E-07	2.22E-07	2.01E-07	9.18E-08	9.06E-08	0.00E+00	0.00E+00	4.18E-08	7.53E-09	4.78E-08	7.37E-09	7.01E-09	1.12E-07	1.19E-07	4.35E-08	5.92E-08	2.21E-08	1.19E-07	4.35E-08
2464	497056.8	3859165	3.73E-04	3.64E-04	3.60E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.12E-08	9.00E-08	0.00E+00	0.00E+00	4.16E-08	7.48E-09	4.75E-08	7.32E-09	6.97E-09	1.11E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
2465	497156.8	3859165	3.74E-04	3.65E-04	3.60E-04	1.29E-07	3.91E-07	2.26E-07	2.21E-07	2.00E-07	9.13E-08	9.01E-08	0.00E+00	0.00E+00	4.16E-08	7.49E-09	4.75E-08	7.33E-09	6.98E-09	1.11E-07	1.18E-07	4.33E-08	5.89E-08	2.20E-08	1.18E-07	4.33E-08
2466	497256.8	3859165	3.78E-04	3.68E-04	3.64E-04	1.31E-07	3.95E-07	2.28E-07	2.23E-07	2.02E-07	9.22E-08	9.10E-08	0.00E+00	0.00E+00	4.20E-08	7.57E-09	4.80E-08	7.40E-09	7.04E-09	1.12E-07	1.19E-07	4.37E-08	5.95E-08	2.22E-08	1.19E-07	4.37E-08
2467	496856.8	3859265	3.87E-04	3.78E-04	3.73E-04	1.34E-07	4.05E-07	2.34E-07	2.29E-07	2.07E-07	9.45E-08	9.33E-08	0.00E+00	0.00E+00	4.31E-08	7.76E-09	4.92E-08	7.59E-09	7.22E-09	1.15E-07	1.22E-07	4.48E-08	6.10E-08	2.28E-08	1.22E-07	4.48E-08
2468	496956.8	3859265	3.85E-04	3.76E-04	3.71E-04	1.33E-07	4.03E-07	2.33E-07	2.28E-07	2.06E-07	9.41E-08	9.29E-08	0.00E+00	0.00E+00	4.29E-08	7.72E-09	4.90E-08	7.56E-09	7.19E-09	1.14E-07	1.22E-07	4.46E-08	6.07E-08	2.27E-08	1.22E-07	4.46E-08
2469	497056.8	3859265	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.03E-07	2.33E-07	2.28E-07	2.07E-07	9.42E-08	9.30E-08	0.00E+00	0.00E+00	4.29E-08	7.73E-09	4.91E-08	7.57E-09	7.20E-09	1.15E-07	1.22E-07	4.47E-08	6.08E-08	2.27E-08	1.22E-07	4.47E-08
2470	497156.8	3859265	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.03E-07	2.33E-07	2.28E-07	2.07E-07	9.42E-08	9.30E-08	0.00E+00	0.00E+00	4.29E-08	7.73E-09	4.91E-08	7.57E-09	7.20E-09	1.15E-07	1.22E-07	4.47E-08	6.08E-08	2.27E-08	1.22E-07	4.47E-08
2471	497256.8	3859265	3.89E-04	3.79E-04	3.74E-04	1.35E-07	4.06E-07	2.35E-07	2.30E-07	2.08E-07	9.49E-08	9.37E-08	0.00E+00	0.00E+00	4.33E-08	7.79E-09	4.94E-08	7.62E-09	7.25E-09	1.15E-07	1.23E-07	4.50E-08	6.12E-08	2.29E-08	1.23E-07	4.50E-08
2472	497088.9	3858621	3.22E-04	3.14E-04	3.10E-04	1.11E-07	3.36E-07	1.95E-07	1.90E-07	1.72E-07	7.86E-08	7.76E-08	0.00E+00	0.00E+00	3.58E-08	6.45E-09	4.09E-08	6.31E-09	6.01E-09	9.56E-08	1.02E-07	3.73E-08	5.07E-08	1.90E-08	1.02E-07	3.73E-08
2473	497138.9	3858621	3.22E-04	3.14E-04	3.10E-04	1.11E-07	3.36E-07	1.95E-07	1.90E-07	1.72E-07	7.85E-08	7.75E-08	0.00E+00	0.00E+00	3.58E-08	6.44E-09	4.09E-08	6.31E-09	6.00E-09	9.54E-08	1.01E-07	3.72E-08	5.07E-08	1.89E-08	1.01E-07	3.72E-08
2474	497188.9	3858621	3.20E-04	3.13E-04	3.08E-04	1.11E-07	3.35E-07	1.94E-07	1.89E-07	1.71E-07	7.82E-08	7.72E-08	0.00E+00	0.00E+00	3.57E-08	6.42E-09	4.07E-08	6.28E-09	5.98E-09	9.51E-08	1.01E-07	3.71E-08	5.05E-08	1.89E-08	1.01E-07	3.71E-08
2475	497238.9	3858621	3.19E-04	3.12E-04	3.08E-04	1.11E-07	3.34E-07	1.93E-07	1.89E-07	1.71E-07	7.80E-08	7.70E-08	0.00E+00	0.00E+00	3.56E-08	6.40E-09	4.06E-08	6.26E-09	5.96E-09	9.48E-08	1.01E-07	3.70E-08	5.03E-08	1.88E-08	1.01E-07	3.70E-08
2476	497088.9	3858671	3.25E-04	3.17E-04	3.13E-04	1.13E-07	3.40E-07	1.97E-07	1.92E-07	1.74E-07	7.94E-08	7.84E-08	0.00E+00	0.00E+00	3.62E-08	6.52E-09	4.14E-08	6.38E-09	6.07E-09	9.65E-08	1.03E-07	3.77E-08	5.12E-08	1.91E-08	1.03E-07	3.77E-08
2477	497138.9	3858671	3.25E-04	3.17E-04	3.13E-04	1.13E-07	3.40E-07	1.97E-07	1.92E-07	1.74E-07	7.94E-08	7.84E-08	0.00E+00	0.00E+00	3.62E-08	6.52E-09	4.14E-08	6.38E-09	6.07E-09	9.65E-08	1.03E-07	3.77E-08	5.12E-08	1.91E-08	1.03E-07	3.77E-08
2478	497188.9	3858671	3.24E-04	3.16E-04	3.12E-04	1.12E-07	3.39E-07	1.96E-07	1.91E-07	1.73E-07	7.91E-08	7.81E-08	0.00E+00	0.00E+00	3.61E-08	6.49E-09	4.12E-08	6.35E-09	6.05E-09	9.62E-08	1.02E-07	3.75E-08	5.10E-08	1.91E-08	1.02E-07	3.75E-08
2479	497238.9	3858671	3.24E-04	3.16E-04	3.12E-04	1.12E-07	3.38E-07	1.96E-07	1.91E-07	1.73E-07	7.90E-08	7.80E-08	0.00E+00	0.00E+00	3.60E-08	6.49E-09	4.12E-08	6.35E-09	6.04E-09	9.60E-08	1.02E-07	3.75E-08	5.10E-08	1.91E-08	1.02E-07	3.75E-08
2480	497088.9	3858721	3.31E-04	3.23E-04	3.19E-04	1.15E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.09E-08	7.98E-08	0.00E+00	0.00E+00	3.69E-08	6.64E-09	4.21E-08	6.49E-09	6.18E-09	9.83E-08	1.04E-07	3.83E-08	5.22E-08	1.95E-08	1.04E-07	3.83E-08
2481	497138.9	3858721	3.27E-04	3.19E-04	3.15E-04	1.13E-07	3.42E-07	1.98E-07	1.93E-07	1.75E-07	7.98E-08	7.88E-08	0.00E+00	0.00E+00	3.64E-08	6.55E-09	4.16E-08	6.41E-09	6.10E-09	9.70E-08	1.03E-07	3.78E-08	5.15E-08	1.92E-08	1.03E-07	3.78E-08
2482	497188.9	3858721	3.26E-04	3.18E-04	3.14E-04	1.13E-07	3.41E-07	1.97E-07	1.93E-07	1.75E-07	7.96E-08	7.86E-08	0.00E+00	0.00E+00	3.63E-08	6.54E-09	4.15E-08	6.40E-09	6.08E-09	9.68E-08	1.03E-07	3.77E-08	5.14E-08	1.92E-08	1.03E-07	3.77E-08
2483	497238.9	3858721	3.28E-04	3.20E-04	3.16E-04	1.13E-07	3.43E-07	1.98E-07	1.94E-07	1.75E-07	8.00E-08	7.90E-08	0.00E+00	0.00E+00	3.65E-08	6.57E-09	4.17E-08	6.43E-09	6.12E-09	9.73E-08	1.03E-07	3.79E-08	5.16E-08	1.93E-08	1.03E-07	3.79E-08
2484	497088.9	3858771	3.35E-04	3.27E-04	3.22E-04	1.16E-07	3.50E-07	2.03E-07	1.98E-07	1.79E-07	8.18E-08	8.07E-08	0.00E+00	0.00E+00	3.73E-08	6.71E-09	4.26E-08	6.57E-09	6.25E-09	9.94E-08	1.06E-07	3.88E-08	5.27E-08	1.97E-08	1.06E-07	3.88E-08
2485	497138.9	3858771	3.33E-04	3.25E-04	3.20E-04	1.15E-07	3.48E-07	2.01E-07	1.96E-07	1.78E-07	8.13E-08	8.02E-08	0.00E+00	0.00E+00	3.70E-08	6.67E-09	4.23E-08	6.53E-09	6.21E-09	9.88E-08	1.05E-07	3.85E-08	5.24E-08	1.96E-08	1.05E-07	3.85E-08
2486	497188.9	3858771	3.31E-04	3.23E-04	3.19E-04	1.15E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.09E-08	7.98E-08	0.00E+00	0.00E+00	3.69E-08	6.64E-09	4.21E-08	6.49E-09	6.18E-09	9.83E-08	1.04E-07	3.83E-08	5.22E-08	1.95E-08	1.04E-07	3.83E-08
2487	497238.9	3858771	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.12E-08	8.01E-08	0.00E+00	0.00E+00	3.70E-08	6.66E-09	4.23E-08	6.52E-09	6.20E-09	9.86E-08	1.05E-07	3.85E-08	5.24E-08	1.96E-08	1.05E-07	3.85E-08
2488	497396.7	3858623	3.25E-04	3.17E-04	3.13E-04	1.12E-07	3.40E-07	1.97E-07	1.92E-07	1.74E-07	7.93E-08	7.83E-08	0.00E+00	0.00E+00	3.62E-08	6.51E-09	4.13E-08	6.37E-09	6.06E-09	9.64E-08	1.03E-07	3.76E-08	5.12E-08	1.91E-08	1.03E-07	3.76E-08
2489	497496.7	3858623	3.28E-04	3.20E-04	3.16E-04	1.13E-07	3.43E-07	1.98E-07	1.94E-07	1.75E-07	8.00E-08	7.90E-08	0.00E+00	0.00E+00	3.65E-08	6.57E-09	4.17E-08	6.43E-09	6.12E-09	9.73E-08	1.03E-07	3.79E-08	5.16E-08	1.93E-08	1.03E-07	3.79E-08
2490	497596.7	3858623	3.34E-04	3.26E-04	3.22E-04	1.16E-07	3.50E-07	2.02E-07	1.97E-07	1.79E-07	8.17E-08	8.06E-08	0.00E+00	0.00E+00	3.72E-08	6.70E-09	4.25E-08	6.56E-09	6.24E-09	9.92E-08	1.06E-07	3.87E-08	5.27E-08	1.97E-08	1.06E-07	3.87E-08
2491	497696.7	3858623	3.36E-04	3.28E-04	3.24E-04	1.16E-07	3.51E-07	2.03E-07	1.98E-07	1.80E-07	8.21E-08	8.10E-08	0.00E+00	0.00E+00	3.74E-08	6.73E-09	4.27E-08	6.59E-09	6.27E-09	9.97E-08	1.06E-07	3.89E-08	5.29E-08	1.98E-08	1.06E-07	3.89E-08
2492	497796.7	3858623	3.40E-04	3.32E-04	3.27E-04	1.18E-07	3.55E-07	2.06E-07	2.01E-07	1.82E-07	8.30E-08	8.19E-08	0.00E+00	0.00E+00	3.78E-08	6.81E-09	4.32E-08	6.66E-09	6.34E-09	1.01E-07	1.07E-07	3.93E-08	5.35E-08	2.00E-08	1.07E-07	3.93E-08
2493	497896.7	3858623	3.44E-04	3.36E-04	3.31E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.40E-08	8.29E-08	0.00E+00	0.00E+00	3.83E-08	6.89E-09	4.37E-08	6.74E-09	6.42E-09	1.02E-07	1.09E-07	3.98E-08	5.42E-08	2.02E-08	1.09E-07	3.98E-08
2494	497396.7	3858723	3.35E-04	3.27E-04	3.22E-04	1.16E-07	3.50E-07	2.03E-07	1.98E-07	1.79E-07	8.18E-08	8.07E-08	0.00E+00	0.00E+00	3.73E-08	6.71E-09	4.26E-08	6.57E-09	6.25E-09	9.94E-08	1.06E-07	3.88E-08	5.27E-08	1.97E-08	1.06E-07	3.88E-08
2495	497496.7	3858723	3.38E-04	3.30E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.25E-08	8.14E-08	0.00E+00	0.00E+00	3.76E-08	6.77E-09	4.29E-08	6.62E-09	6.30E-09	1.00E-07	1.07E-07	3.91E-08	5.32E-08	1.99E-08	1.07E-07	3.91E-08
2496	497596.7	3858723	3.43E-04	3.35E-04	3.30E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.38E-08	8.27E-08	0.00E+00	0.00E+00	3.82E-08	6.88E-09	4.36E-08	6.73E-09	6.40E-09	1.02E-07	1.08E-07	3.97E-08	5.41E-08	2.02E-08	1.08E-07	3.97E-08
2497	497696.7	3858723	3.46E-04	3.38E-04	3.33E-04	1.20E-07	3.62E-07	2.09E-07	2.04E-07	1.85E-07	8.45E-08	8.34E-08	0.00E+00	0.00E+00	3.85E-08	6.93E-09	4.40E-08	6.79E-09	6.46E-09	1.03E-07	1.09E-07	4.01E-08	5.45E-08	2.04E-08	1.09E-07	4.01E-08
2498	497796.7	3858723	3.48E-04	3.39E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.49E-08	8.38E-08	0.00E+00	0.00E+00	3.87E-08	6.97E-09	4.42E-08	6.82E-09	6.49E-09	1.03E-07	1.10E-07	4.02E-08	5.48E-08	2.05E-08	1.10E-07	4.02E-08
2499	497896.7	3858723	3.51E-04	3.42E-04	3.38E-04	1.21E-07	3.67E-07	2.12E-07	2.07E-07	1.88E-07	8.57E-08	8.46E-08	0.00E+00	0.00E+00	3.91E-08	7.03E-09	4.46E-08	6.88E-09	6.55E-09	1.04E-07	1.11E-07	4.06E-08	5.53E-08	2.07E-08	1.11E-07	4.06E-08
2500	497396.7	3858823	3.43E-04	3.34E-04	3.30E-04	1.19E-07	3.58E-07	2.07E-07	2.02E-07	1.83E-07	8.37E-08	8.26E-08	0.00E+00	0.00E+00	3.81E-08	6.87E-09	4.36E-08	6.72E-09	6.39E-09	1.02E-07	1.08E-07	3.97E-08	5.40E-08	2.02E-08	1.08E-07	3.97E-08
2501	497496.7	3858823	3.45E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.09E-07	2.04E-07	1.85E-07	8.42E-08	8.31E-08	0.00E+00	0.00E+00	3.84E-08	6.91E-09	4.38E-08	6.76E-09	6.43E-09	1.02E-07	1.09E-07	3.99E-08	5.43E-08	2.03E-08	1.09E-07	3.99E-08
2502	497596.7	3858823	3.51E-04	3.42E-04	3.38E-04	1.21E-07	3.67E-07	2.12E-07	2.07E-07	1.88E-07	8.57E-08	8.46E-08	0.00E+00	0.00E+00	3.91E-08	7.03E-09	4.46E-08	6.88E-09	6.55E-09	1.04E-07	1.11E-07	4.06E-08	5.53E-08	2.07E-08	1.11E-07	4.06E-08
2503	497696.7	3858823	3.54E-04	3.45E-04	3.41E-04	1.23E-07	3.70E-07	2.14E-07	2.09E-07	1.89E-07	8.64E-08	8.53E-08	0.00E+00	0.00E+00	3.94E-08	7.09E-09	4.50E-08	6.94E-09	6.60E-09	1.05E-07	1.12E-07	4.10E-08	5.57E-08	2.08E-08	1.12E-07	4.10E-08
2504	497796.7	3858823	3.55E-04	3.47E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.10E-07	1.90E-07	8.67E-08	8.56E-08	0.00E+00	0.00E+00	3.95E-08	7.12E-09	4.52E-08	6.96E-09	6.63E-09	1.05E-07	1.12E-07	4.11E-08	5.59E-08	2.09E-08	1.12E-07	4.11E-08
2505	497896.7	3858823	3.61E-04	3.52E-04	3.47E-04	1.25E-07	3.77E-07	2.18E-07	2.13E-07	1.93E-07	8.80E-08	8.69E-08	0.00E+00	0.00E+00	4.01E-08	7.23E-09	4.58E-08	7.07E-09	6.73E-09	1.07E-07	1.14E-07	4.17E-08	5.68E-08	2.12E-08	1.14E-07	4.17E-08
2506	497396.7	3858923	3.51E-04	3.43E-04	3.38E-04	1.22E-07	3.67E-07	2.13E-07	2.07E-07	1.88E-07	8.58E-08	8.47E-08	0.00E+00	0.00E+00	3.91E-08	7.04E-09	4.47E-08	6.89E-09	6.56E-09	1.04E-07	1.11E-07	4.07E-08	5.54E-08	2.07E-08	1.11E-07	4.07E-08
2507	497496.7	3858923	3.57E-04	3.48E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.71E-08	8.60E-08	0.00E+00	0.00E+00	3.97E-08	7.15E-09	4.54E-08	7.00E-09	6.66E-09	1.06E-07	1.13E-07	4.13E-08	5.62E-08	2.10E-08	1.13E-07	4.13E-08
2508	497596.7	3858923	3.56E-04	3.48E-04	3.43E-04	1.23E-07	3.72E-07	2.16E-07	2.10E-07	1.91E-07	8.70E-08	8.59E-08	0.00E+00	0.00E+00	3.97E-08	7.14E-09	4.53E-08	6.99E-09	6.65E-09	1.06E-07	1.12E-07	4.13E-08	5.61E-08	2.10E-08	1.12E-07	4.13E-08
2509	497696.7	3858923	3.62E-04	3.53E-04	3.49E-04	1.25E-07	3.79E-07	2.19E-07	2.14E-07	1.94E-07	8.85E-08	8.73E-08	0.00E+00	0.00E+00	4.03E-08	7.26E-09	4.61E-08	7.10E-09	6.76E-09	1.07E-07	1.14E-07	4.19E-08	5.71E-08	2.13E-08	1.14E-07	4.19E-08
2510	497796.7	3858923	3.67E-04	3.58E-04	3.53E-04	1.27E-07	3.83E-07	2.22E-07	2.17E-07	1.96E-07	8.96E-08	8.84E-08	0.00E+00	0.00E+00	4.08E-08	7.35E-09	4.66E-08	7.19E-09	6.84E-09	1.09E-07	1.16E-07	4.25E-08	5.78E-08	2.16E-08	1.16E-07	4.25E-08
2511	497896.7	3858923	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.89E-07	2.25E-07	2.20E-07	1.99E-07	9.10E-08	8.98E-08	0.00E+00	0.00E+00	4.15E-08	7.47E-09	4.74E-08	7.31E-09	6.95E-09	1.11E-07	1.18E-07	4.31E-08	5.87E-08	2.19E-08	1.18E-07	4.31E-08
2512	497364.4	3858202	3.00E-04	2.92E-04	2.88E-04	1.04E-07	3.13E-07	1.81E-07	1.77E-07	1.60E-07	7.32E-08	7.22E-08	0.00E+00	0.00E+00	3.33E-08	6.00E-09	3.81E-08	5.87E-09	5.59E-09	8.89E-08	9.45E-08	3.47E-08	4.72E-08	1.76E-08	9.45E-08	3.47E-08
2513	497414.4	3858202	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.82E-07	1.77E-07	1.61E-07	7.34E-08	7.24E-08	0.00E+00	0.00E+00	3.34E-08	6.02E-09	3.82E-08	5.89E-09	5.60E-09	8.91E-08	9.48E-08	3.48E-08	4.73E-08	1.77E-08	9.48E-08	3.48E-08
2514	497464.4	3858202	3.02E-04	2.95E-04	2.91E-04	1.05E-07	3.16E-07	1.83E-07	1.78E-07	1.62E-07	7.38E-08	7.28E-08	0.00E+00	0.00E+00	3.36E-08	6.05E-09	3.84E-08	5.92E-09	5.64E-09	8.96E-08	9.53E-08	3.50E-08	4.76E-08	1.78E-08	9.53E-08	3.50E-08
2515	497514.4	3858202	3.03E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.83E-07	1.79E-07	1.62E-07	7.40E-08	7.30E-08	0.00E+00	0.00E+00	3.37E-08	6.07E-09	3.85E-08	5.94E-09	5.65E-09	8.99E-08	9.56E-08	3.51E-08	4.77E-08	1.78E-08	9.56E-08	3.51E-08
2516	497564.4	3858202	3.02E-04	2.95E-04	2.91E-04	1.05E-07	3.16E-07	1.83E-07	1.78E-07	1.62E-07	7.38E-08	7.28E-08	0.00E+00	0.00E+00	3.36E-08	6.05E-09	3.84E-08	5.92E-09	5.64E-09	8.96E-08	9.53E-08	3.50E-08	4.76E-08	1.78E-08	9.53E-08	3.50E-08
2517	497614.4	3858202	3.02E-04	2.95E-04	2.91E-04	1.05E-07	3.16E-07	1.83E-07	1.79E-07	1.62E-07	7.39E-08	7.29E-08	0.00E+00	0.00E+00	3.37E-08	6.06E-09	3.85E-08	5.93E-09	5.64E-09	8.98E-08	9.55E-08	3.50E-08	4.76E-08	1.78E-08	9.55E-08	3.50E-08
2518	497364.4	3858252	3.04E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.84E-07	1.79E-07	1.63E-07	7.42E-08	7.32E-08	0.00E+00	0.00E+00	3.38E-08	6.09E-09	3.86E-08	5.96E-09	5.67E-09	9.01E-08	9.58E-08	3.52E-08	4.78E-08	1.79E-08	9.58E-08	3.52E-08
2519	497414.4	3858252	3.05E-04	2.98E-04	2.94E-04	1.06E-07	3.19E-07	1.85E-07	1.80E-07	1.63E-07	7.46E-08	7.36E-08	0.00E+00	0.00E+00	3.40E-08	6.12E-09	3.88E-08	5.99E-09	5.70E-09	9.06E-08	9.64E-08	3.53E-08	4.81E-08	1.80E-08	9.64E-08	3.53E-08
2520	497464.4	3858252	3.05E-04	2.97E-04	2.93E-04	1.05E-07	3.18E-07	1.84E-07	1.80E-07	1.63E-07	7.44E-08	7.34E-08	0.00E+00	0.00E+00	3.39E-08	6.10E-09	3.87E-08	5.97E-09	5.68E-09	9.04E-08	9.61E-08	3.53E-08	4.80E-08	1.79E-08	9.61E-08	3.53E-08
2521	497514.4	3858252	3.03E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.84E-07	1.79E-07	1.62E-07	7.41E-08	7.31E-08	0.00E+00	0.00E+00	3.38E-08	6.08E-09	3.86E-08	5.95E-09	5.66E-09	9.00E-08	9.57E-08	3.51E-08	4.78E-08	1.79E-08	9.57E-08	3.51E-08
2522	497564.4	3858252	3.03E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.83E-07	1.79E-07	1.62E-07	7.40E-08	7.30E-08	0.00E+00	0.00E+00	3.37E-08	6.07E-09	3.85E-08	5.94E-09	5.65E-09	8.99E-08	9.56E-08	3.51E-08	4.77E-08	1.78E-08	9.56E-08	3.51E-08
2523	497614.4	3858252	3.02E-04	2.95E-04	2.91E-04	1.05E-07	3.16E-07	1.83E-07	1.79E-07	1.62E-07	7.39E-08	7.29E-08	0.00E+00	0.00E+00	3.37E-08	6.06E-09	3.85E-08	5.93E-09	5.64E-09	8.98E-08	9.55E-08	3.50E-08	4.76E-08	1.78E-08	9.55E-08	3.50E-08
2524	497364.4	3858302	3.06E-04	2.99E-04	2.95E-04	1.06E-07	3.20E-07	1.85E-07	1.81E-07	1.64E-07	7.48E-08	7.38E-08	0.00E+00	0.00E+00	3.41E-08	6.14E-09	3.89E-08	6.00E-09	5.71E-09	9.09E-08	9.66E-08	3.54E-08	4.82E-08	1.80E-08	9.66E-08	3.54E-08
2525	497414.4	3858302	3.07E-04	3.00E-04	2.96E-04	1.06E-07	3.21E-07	1.86E-07	1.82E-07	1.65E-07	7.51E-08	7.41E-08	0.00E+00	0.00E+00	3.42E-08	6.16E-09	3.91E-08	6.03E-09	5.74E-09	9.12E-08	9.70E-08	3.56E-08	4.84E-08	1.81E-08	9.70E-08	3.56E-08
2526	497464.4	3858302	3.06E-04	2.98E-04	2.94E-04	1.06E-07	3.20E-07	1.85E-07	1.81E-07	1.64E-07	7.47E-08	7.37E-08	0.00E+00	0.00E+00	3.40E-08	6.13E-09	3.89E-08	6.00E-09	5.71E-09	9.07E-08	9.65E-08	3.54E-08	4.82E-08	1.80E-08	9.65E-08	3.54E-08
2527	497514.4	3858302	3.05E-04	2.98E-04	2.94E-04	1.06E-07	3.19E-07	1.85E-07	1.80E-07	1.63E-07	7.45E-08	7.35E-08	0.00E+00	0.00E+00	3.39E-08	6.11E-09	3.88E-08	5.98E-09	5.69E-09	9.05E-08	9.62E-08	3.53E-08	4.80E-08	1.80E-08	9.62E-08	3.53E-08
2528	497564.4	3858302	3.04E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.84E-07	1.79E-07	1.63E-07	7.42E-08	7.32E-08	0.00E+00	0.00E+00	3.38E-08	6.09E-09	3.86E-08	5.96E-09	5.67E-09	9.01E-08	9.58E-08	3.52E-08	4.78E-08	1.79E-08	9.58E-08	3.52E-08
2529	497614.4	3858302	3.03E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.83E-07	1.79E-07	1.62E-07	7.40E-08	7.30E-08	0.00E+00	0.00E+00	3.37E-08	6.07E-09	3.85E-08	5.94E-09	5.65E-09	8.99E-08	9.56E-08	3.51E-08	4.77E-08	1.78E-08	9.56E-08	3.51E-08
2530	497364.4	3858352	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.82E-07	1.65E-07	7.55E-08	7.45E-08	0.00E+00	0.00E+00	3.44E-08	6.19E-09	3.93E-08	6.06E-09	5.77E-09	9.17E-08	9.76E-08	3.58E-08	4.87E-08	1.82E-08	9.76E-08	3.58E-08
2531	497414.4	3858352	3.08E-04	3.01E-04	2.97E-04	1.07E-07	3.22E-07	1.87E-07	1.82E-07	1.65E-07	7.53E-08	7.43E-08	0.00E+00	0.00E+00	3.43E-08	6.18E-09	3.92E-08	6.05E-09	5.75E-09	9.15E-08	9.73E-08	3.57E-08	4.86E-08	1.81E-08	9.73E-08	3.57E-08
2532	497464.4	3858352	3.08E-04	3.00E-04	2.96E-04	1.07E-07	3.22E-07	1.86E-07	1.82E-07	1.65E-07	7.52E-08	7.42E-08	0.00E+00	0.00E+00	3.43E-08	6.17E-09	3.91E-08	6.04E-09	5.74E-09	9.14E-08	9.72E-08	3.56E-08	4.85E-08	1.81E-08	9.72E-08	3.56E-08
2533	497514.4	3858352	3.07E-04	3.00E-04	2.96E-04	1.06E-07	3.21E-07	1.86E-07	1.81E-07	1.64E-07	7.50E-08	7.40E-08	0.00E+00	0.00E+00	3.42E-08	6.15E-09	3.90E-08	6.02E-09	5.73E-09	9.11E-08	9.69E-08	3.55E-08	4.84E-08	1.81E-08	9.69E-08	3.55E-08
2534	497564.4	3858352	3.05E-04	2.98E-04	2.94E-04	1.06E-07	3.19E-07	1.85E-07	1.80E-07	1.63E-07	7.46E-08	7.36E-08	0.00E+00	0.00E+00	3.40E-08	6.12E-09	3.88E-08	5.99E-09	5.70E-09	9.06E-08	9.64E-08	3.53E-08	4.81E-08	1.80E-08	9.64E-08	3.53E-08

2535	497614.4	3858352	3.05E-04	2.97E-04	2.93E-04	1.05E-07	3.18E-07	1.84E-07	1.80E-07	1.63E-07	7.44E-08	7.34E-08	0.00E+00	0.00E+00	3.39E-08	6.10E-09	3.87E-08	5.97E-09	5.68E-09	9.04E-08	9.61E-08	3.53E-08	4.80E-08	1.79E-08	9.61E-08	3.53E-08
2536	497364.4	3858402	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.83E-07	1.66E-07	7.56E-08	7.46E-08	0.00E+00	0.00E+00	3.45E-08	6.20E-09	3.94E-08	6.07E-09	5.78E-09	9.19E-08	9.77E-08	3.58E-08	4.88E-08	1.82E-08	9.77E-08	3.58E-08
2537	497414.4	3858402	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.83E-07	1.66E-07	7.56E-08	7.46E-08	0.00E+00	0.00E+00	3.45E-08	6.20E-09	3.94E-08	6.07E-09	5.78E-09	9.19E-08	9.77E-08	3.58E-08	4.88E-08	1.82E-08	9.77E-08	3.58E-08
2538	497464.4	3858402	3.09E-04	3.01E-04	2.97E-04	1.07E-07	3.23E-07	1.87E-07	1.82E-07	1.65E-07	7.54E-08	7.44E-08	0.00E+00	0.00E+00	3.44E-08	6.19E-09	3.93E-08	6.05E-09	5.76E-09	9.16E-08	9.74E-08	3.57E-08	4.86E-08	1.82E-08	9.74E-08	3.57E-08
2539	497514.4	3858402	3.08E-04	3.00E-04	2.96E-04	1.07E-07	3.22E-07	1.86E-07	1.82E-07	1.65E-07	7.52E-08	7.42E-08	0.00E+00	0.00E+00	3.43E-08	6.17E-09	3.91E-08	6.04E-09	5.74E-09	9.14E-08	9.72E-08	3.56E-08	4.85E-08	1.81E-08	9.72E-08	3.56E-08
2540	497564.4	3858402	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.83E-07	1.66E-07	7.56E-08	7.46E-08	0.00E+00	0.00E+00	3.45E-08	6.20E-09	3.94E-08	6.07E-09	5.78E-09	9.19E-08	9.77E-08	3.58E-08	4.88E-08	1.82E-08	9.77E-08	3.58E-08
2541	497614.4	3858402	3.10E-04	3.03E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.83E-07	1.66E-07	7.58E-08	7.48E-08	0.00E+00	0.00E+00	3.45E-08	6.22E-09	3.95E-08	6.09E-09	5.79E-09	9.21E-08	9.79E-08	3.59E-08	4.89E-08	1.83E-08	9.79E-08	3.59E-08
2542	493478.1	3860498	1.51E-03	1.47E-03	1.45E-03	5.22E-07	1.58E-06	9.13E-07	8.91E-07	8.08E-07	3.69E-07	3.64E-07	0.00E+00	0.00E+00	1.68E-07	3.02E-08	1.92E-07	2.96E-08	2.82E-08	4.48E-07	4.76E-07	1.75E-07	2.38E-07	8.89E-08	4.76E-07	1.75E-07
2543	493528.1	3860498	1.48E-03	1.45E-03	1.43E-03	5.13E-07	1.55E-06	8.96E-07	8.75E-07	7.93E-07	3.62E-07	3.57E-07	0.00E+00	0.00E+00	1.65E-07	2.97E-08	1.88E-07	2.90E-08	2.76E-08	4.40E-07	4.67E-07	1.71E-07	2.33E-07	8.72E-08	4.67E-07	1.71E-07
2544	493478.1	3860548	1.57E-03	1.53E-03	1.51E-03	5.44E-07	1.64E-06	9.51E-07	9.28E-07	8.41E-07	3.84E-07	3.79E-07	0.00E+00	0.00E+00	1.75E-07	3.15E-08	2.00E-07	3.08E-08	2.93E-08	4.67E-07	4.96E-07	1.82E-07	2.48E-07	9.25E-08	4.96E-07	1.82E-07
2545	493528.1	3860548	1.54E-03	1.51E-03	1.49E-03	5.35E-07	1.61E-06	9.34E-07	9.12E-07	8.26E-07	3.77E-07	3.72E-07	0.00E+00	0.00E+00	1.72E-07	3.09E-08	1.96E-07	3.03E-08	2.88E-08	4.58E-07	4.87E-07	1.79E-07	2.43E-07	9.09E-08	4.87E-07	1.79E-07
2546	493478.1	3860598	1.64E-03	1.60E-03	1.58E-03	5.67E-07	1.71E-06	9.92E-07	9.68E-07	8.77E-07	4.00E-07	3.95E-07	0.00E+00	0.00E+00	1.82E-07	3.28E-08	2.08E-07	3.21E-08	3.06E-08	4.86E-07	5.17E-07	1.90E-07	2.58E-07	9.65E-08	5.17E-07	1.90E-07
2547	493528.1	3860598	1.61E-03	1.57E-03	1.55E-03	5.57E-07	1.68E-06	9.73E-07	9.49E-07	8.60E-07	3.93E-07	3.87E-07	0.00E+00	0.00E+00	1.79E-07	3.22E-08	2.04E-07	3.15E-08	3.00E-08	4.77E-07	5.07E-07	1.86E-07	2.53E-07	9.46E-08	5.07E-07	1.86E-07
2548	493561.9	3860525	1.49E-03	1.46E-03	1.44E-03	5.17E-07	1.56E-06	9.04E-07	8.82E-07	7.99E-07	3.65E-07	3.60E-07	0.00E+00	0.00E+00	1.66E-07	2.99E-08	1.90E-07	2.93E-08	2.79E-08	4.43E-07	4.71E-07	1.73E-07	2.35E-07	8.79E-08	4.71E-07	1.73E-07
2549	493591.9	3860525	1.47E-03	1.44E-03	1.42E-03	5.10E-07	1.54E-06	8.91E-07	8.69E-07	7.88E-07	3.60E-07	3.55E-07	0.00E+00	0.00E+00	1.64E-07	2.95E-08	1.87E-07	2.89E-08	2.75E-08	4.37E-07	4.65E-07	1.70E-07	2.32E-07	8.67E-08	4.65E-07	1.70E-07
2550	493561.9	3860555	1.53E-03	1.49E-03	1.47E-03	5.30E-07	1.60E-06	9.27E-07	9.04E-07	8.20E-07	3.74E-07	3.69E-07	0.00E+00	0.00E+00	1.71E-07	3.07E-08	1.95E-07	3.00E-08	2.86E-08	4.55E-07	4.83E-07	1.77E-07	2.41E-07	9.02E-08	4.83E-07	1.77E-07
2551	493591.9	3860555	1.51E-03	1.47E-03	1.45E-03	5.22E-07	1.57E-06	9.12E-07	8.90E-07	8.07E-07	3.68E-07	3.63E-07	0.00E+00	0.00E+00	1.68E-07	3.02E-08	1.92E-07	2.96E-08	2.81E-08	4.47E-07	4.76E-07	1.74E-07	2.37E-07	8.87E-08	4.76E-07	1.74E-07
2552	492880.5	3860293	1.78E-03	1.73E-03	1.71E-03	6.15E-07	1.86E-06	1.08E-06	1.05E-06	9.52E-07	4.34E-07	4.28E-07	0.00E+00	0.00E+00	1.98E-07	3.56E-08	2.26E-07	3.49E-08	3.32E-08	5.28E-07	5.61E-07	2.06E-07	2.80E-07	1.05E-07	5.61E-07	2.06E-07
2553	492930.5	3860293	1.72E-03	1.67E-03	1.65E-03	5.94E-07	1.79E-06	1.04E-06	1.01E-06	9.19E-07	4.19E-07	4.14E-07	0.00E+00	0.00E+00	1.91E-07	3.44E-08	2.18E-07	3.37E-08	3.20E-08	5.09E-07	5.42E-07	1.99E-07	2.70E-07	1.01E-07	5.42E-07	1.99E-07
2554	492980.5	3860293	1.66E-03	1.62E-03	1.59E-03	5.73E-07	1.73E-06	1.00E-06	9.78E-07	8.86E-07	4.04E-07	3.99E-07	0.00E+00	0.00E+00	1.84E-07	3.32E-08	2.11E-07	3.25E-08	3.09E-08	4.91E-07	5.23E-07	1.92E-07	2.61E-07	9.75E-08	5.23E-07	1.92E-07
2555	493030.5	3860293	1.56E-03	1.52E-03	1.50E-03	5.39E-07	1.63E-06	9.42E-07	9.19E-07	8.33E-07	3.80E-07	3.75E-07	0.00E+00	0.00E+00	1.73E-07	3.12E-08	1.98E-07	3.05E-08	2.90E-08	4.62E-07	4.91E-07	1.80E-07	2.45E-07	9.16E-08	4.91E-07	1.80E-07
2556	493080.5	3860293	1.46E-03	1.43E-03	1.41E-03	5.06E-07	1.53E-06	8.84E-07	8.62E-07	7.82E-07	3.57E-07	3.52E-07	0.00E+00	0.00E+00	1.63E-07	2.93E-08	1.86E-07	2.86E-08	2.72E-08	4.33E-07	4.61E-07	1.69E-07	2.30E-07	8.60E-08	4.61E-07	1.69E-07
2557	493130.5	3860293	1.47E-03	1.43E-03	1.41E-03	5.08E-07	1.53E-06	8.88E-07	8.67E-07	7.86E-07	3.59E-07	3.54E-07	0.00E+00	0.00E+00	1.63E-07	2.94E-08	1.87E-07	2.88E-08	2.74E-08	4.36E-07	4.63E-07	1.70E-07	2.31E-07	8.64E-08	4.63E-07	1.70E-07
2558	493180.5	3860293	1.47E-03	1.43E-03	1.41E-03	5.07E-07	1.53E-06	8.87E-07	8.65E-07	7.84E-07	3.58E-07	3.53E-07	0.00E+00	0.00E+00	1.63E-07	2.94E-08	1.86E-07	2.87E-08	2.73E-08	4.35E-07	4.62E-07	1.70E-07	2.31E-07	8.63E-08	4.62E-07	1.70E-07
2559	493230.5	3860293	1.44E-03	1.40E-03	1.38E-03	4.98E-07	1.50E-06	8.70E-07	8.49E-07	7.70E-07	3.51E-07	3.47E-07	0.00E+00	0.00E+00	1.60E-07	2.88E-08	1.83E-07	2.82E-08	2.68E-08	4.27E-07	4.54E-07	1.67E-07	2.27E-07	8.47E-08	4.54E-07	1.67E-07
2560	493280.5	3860293	1.38E-03	1.35E-03	1.33E-03	4.79E-07	1.45E-06	8.38E-07	8.18E-07	7.41E-07	3.38E-07	3.34E-07	0.00E+00	0.00E+00	1.54E-07	2.78E-08	1.76E-07	2.72E-08	2.58E-08	4.11E-07	4.37E-07	1.60E-07	2.18E-07	8.15E-08	4.37E-07	1.60E-07
2561	493330.5	3860293	1.35E-03	1.31E-03	1.30E-03	4.66E-07	1.41E-06	8.15E-07	7.95E-07	7.21E-07	3.29E-07	3.25E-07	0.00E+00	0.00E+00	1.50E-07	2.70E-08	1.71E-07	2.64E-08	2.51E-08	4.00E-07	4.25E-07	1.56E-07	2.12E-07	7.93E-08	4.25E-07	1.56E-07
2562	493380.5	3860293	1.32E-03	1.28E-03	1.27E-03	4.55E-07	1.38E-06	7.96E-07	7.77E-07	7.04E-07	3.21E-07	3.17E-07	0.00E+00	0.00E+00	1.46E-07	2.64E-08	1.67E-07	2.58E-08	2.45E-08	3.90E-07	4.15E-07	1.52E-07	2.07E-07	7.74E-08	4.15E-07	1.52E-07
2563	492880.5	3860343	1.86E-03	1.82E-03	1.79E-03	6.44E-07	1.95E-06	1.13E-06	1.10E-06	9.96E-07	4.55E-07	4.48E-07	0.00E+00	0.00E+00	2.07E-07	3.73E-08	2.37E-07	3.65E-08	3.47E-08	5.52E-07	5.87E-07	2.15E-07	2.93E-07	1.10E-07	5.87E-07	2.15E-07
2564	492930.5	3860343	1.80E-03	1.76E-03	1.73E-03	6.23E-07	1.88E-06	1.09E-06	1.06E-06	9.63E-07	4.39E-07	4.34E-07	0.00E+00	0.00E+00	2.00E-07	3.61E-08	2.29E-07	3.53E-08	3.36E-08	5.34E-07	5.68E-07	2.08E-07	2.83E-07	1.06E-07	5.68E-07	2.08E-07
2565	492980.5	3860343	1.69E-03	1.65E-03	1.63E-03	5.86E-07	1.77E-06	1.02E-06	9.99E-07	9.05E-07	4.13E-07	4.08E-07	0.00E+00	0.00E+00	1.88E-07	3.39E-08	2.15E-07	3.32E-08	3.16E-08	5.02E-07	5.34E-07	1.96E-07	2.66E-07	9.96E-08	5.34E-07	1.96E-07
2566	493030.5	3860343	1.64E-03	1.60E-03	1.58E-03	5.67E-07	1.71E-06	9.91E-07	9.67E-07	8.77E-07	4.00E-07	3.95E-07	0.00E+00	0.00E+00	1.82E-07	3.28E-08	2.08E-07	3.21E-08	3.06E-08	4.86E-07	5.17E-07	1.90E-07	2.58E-07	9.64E-08	5.17E-07	1.90E-07
2567	493080.5	3860343	1.55E-03	1.51E-03	1.49E-03	5.35E-07	1.62E-06	9.35E-07	9.12E-07	8.27E-07	3.77E-07	3.72E-07	0.00E+00	0.00E+00	1.72E-07	3.10E-08	1.97E-07	3.03E-08	2.88E-08	4.59E-07	4.88E-07	1.79E-07	2.43E-07	9.10E-08	4.88E-07	1.79E-07
2568	493130.5	3860343	1.52E-03	1.49E-03	1.47E-03	5.27E-07	1.59E-06	9.21E-07	8.99E-07	8.15E-07	3.72E-07	3.67E-07	0.00E+00	0.00E+00	1.69E-07	3.05E-08	1.94E-07	2.99E-08	2.84E-08	4.52E-07	4.81E-07	1.76E-07	2.40E-07	8.96E-08	4.81E-07	1.76E-07
2569	493180.5	3860343	1.52E-03	1.48E-03	1.46E-03	5.26E-07	1.59E-06	9.20E-07	8.98E-07	8.14E-07	3.71E-07	3.66E-07	0.00E+00	0.00E+00	1.69E-07	3.05E-08	1.93E-07	2.98E-08	2.84E-08	4.51E-07	4.80E-07	1.76E-07	2.40E-07	8.95E-08	4.80E-07	1.76E-07
2570	493230.5	3860343	1.49E-03	1.46E-03	1.44E-03	5.17E-07	1.56E-06	9.03E-07	8.81E-07	7.99E-07	3.65E-07	3.60E-07	0.00E+00	0.00E+00	1.66E-07	2.99E-08	1.90E-07	2.93E-08	2.79E-08	4.43E-07	4.71E-07	1.73E-07	2.35E-07	8.79E-08	4.71E-07	1.73E-07
2571	493280.5	3860343	1.44E-03	1.40E-03	1.38E-03	4.97E-07	1.50E-06	8.70E-07	8.49E-07	7.69E-07	3.51E-07	3.46E-07	0.00E+00	0.00E+00	1.60E-07	2.88E-08	1.83E-07	2.82E-08	2.68E-08	4.27E-07	4.54E-07	1.66E-07	2.26E-07	8.46E-08	4.54E-07	1.66E-07
2572	493330.5	3860343	1.39E-03	1.36E-03	1.34E-03	4.82E-07	1.46E-06	8.43E-07	8.22E-07	7.45E-07	3.40E-07	3.36E-07	0.00E+00	0.00E+00	1.55E-07	2.79E-08	1.77E-07	2.73E-08	2.60E-08	4.13E-07	4.40E-07	1.61E-07	2.19E-07	8.20E-08	4.40E-07	1.61E-07
2573	493380.5	3860343	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.24E-07	8.04E-07	7.29E-07	3.33E-07	3.28E-07	0.00E+00	0.00E+00	1.52E-07	2.73E-08	1.73E-07	2.67E-08	2.54E-08	4.04E-07	4.30E-07	1.58E-07	2.15E-07	8.02E-08	4.30E-07	1.58E-07
2574	492880.5	3860393	1.95E-03	1.90E-03	1.88E-03	6.76E-07	2.04E-06	1.18E-06	1.15E-06	1.04E-06	4.77E-07	4.70E-07	0.00E+00	0.00E+00	2.17E-07	3.91E-08	2.48E-07	3.83E-08	3.64E-08	5.79E-07	6.16E-07	2.26E-07	3.07E-07	1.15E-07	6.16E-07	2.26E-07
2575	492930.5	3860393	1.88E-03	1.83E-03	1.81E-03	6.50E-07	1.96E-06	1.14E-06	1.11E-06	1.01E-06	4.59E-07	4.52E-07	0.00E+00	0.00E+00	2.09E-07	3.76E-08	2.39E-07	3.68E-08	3.50E-08	5.57E-07	5.93E-07	2.17E-07	2.96E-07	1.11E-07	5.93E-07	2.17E-07
2576	492980.5	3860393	1.79E-03	1.75E-03	1.72E-03	6.20E-07	1.87E-06	1.08E-06	1.06E-06	9.58E-07	4.37E-07	4.31E-07	0.00E+00	0.00E+00	1.99E-07	3.59E-08	2.28E-07	3.51E-08	3.34E-08	5.31E-07	5.65E-07	2.07E-07	2.82E-07	1.05E-07	5.65E-07	2.07E-07
2577	493030.5	3860393	1.72E-03	1.68E-03	1.66E-03	5.95E-07	1.80E-06	1.04E-06	1.02E-06	9.20E-07	4.20E-07	4.14E-07	0.00E+00	0.00E+00	1.91E-07	3.45E-08	2.19E-07	3.37E-08	3.21E-08	5.10E-07	5.43E-07	1.99E-07	2.71E-07	1.01E-07	5.43E-07	1.99E-07
2578	493080.5	3860393	1.62E-03	1.58E-03	1.56E-03	5.61E-07	1.69E-06	9.81E-07	9.57E-07	8.68E-07	3.96E-07	3.91E-07	0.00E+00	0.00E+00	1.80E-07	3.25E-08	2.06E-07	3.18E-08	3.02E-08	4.81E-07	5.12E-07	1.88E-07	2.55E-07	9.54E-08	5.12E-07	1.88E-07
2579	493130.5	3860393	1.60E-03	1.56E-03	1.54E-03	5.55E-07	1.68E-06	9.70E-07	9.46E-07	8.58E-07	3.91E-07	3.86E-07	0.00E+00	0.00E+00	1.78E-07	3.21E-08	2.04E-07	3.14E-08	2.99E-08	4.76E-07	5.06E-07	1.86E-07	2.52E-07	9.43E-08	5.06E-07	1.86E-07
2580	493180.5	3860393	1.60E-03	1.56E-03	1.54E-03	5.52E-07	1.67E-06	9.66E-07	9.42E-07	8.54E-07	3.90E-07	3.85E-07	0.00E+00	0.00E+00	1.78E-07	3.20E-08	2.03E-07	3.13E-08	2.98E-08	4.74E-07	5.04E-07	1.85E-07	2.51E-07	9.40E-08	5.04E-07	1.85E-07
2581	493230.5	3860393	1.55E-03	1.52E-03	1.50E-03	5.38E-07	1.62E-06	9.41E-07	9.18E-07	8.32E-07	3.80E-07	3.75E-07	0.00E+00	0.00E+00	1.73E-07	3.12E-08	1.98E-07	3.05E-08	2.90E-08	4.61E-07	4.91E-07	1.80E-07	2.45E-07	9.15E-08	4.91E-07	1.80E-07
2582	493280.5	3860393	1.49E-03	1.46E-03	1.44E-03	5.17E-07	1.56E-06	9.03E-07	8.82E-07	7.99E-07	3.65E-07	3.60E-07	0.00E+00	0.00E+00	1.66E-07	2.99E-08	1.90E-07	2.93E-08	2.79E-08	4.43E-07	4.71E-07	1.73E-07	2.35E-07	8.79E-08	4.71E-07	1.73E-07
2583	493330.5	3860393	1.45E-03	1.41E-03	1.39E-03	5.00E-07	1.51E-06	8.75E-07	8.53E-07	7.74E-07	3.53E-07	3.48E-07	0.00E+00	0.00E+00	1.61E-07	2.90E-08	1.84E-07	2.83E-08	2.70E-08	4.29E-07	4.56E-07	1.67E-07	2.28E-07	8.51E-08	4.56E-07	1.67E-07
2584	493380.5	3860393	1.41E-03	1.38E-03	1.36E-03	4.88E-07	1.47E-06	8.53E-07	8.33E-07	7.55E-07	3.44E-07	3.40E-07	0.00E+00	0.00E+00	1.57E-07	2.83E-08	1.79E-07	2.77E-08	2.63E-08	4.19E-07	4.45E-07	1.63E-07	2.22E-07	8.30E-08	4.45E-07	1.63E-07
2585	492880.5	3860443	2.04E-03	1.99E-03	1.97E-03	7.07E-07	2.13E-06	1.24E-06	1.21E-06	1.09E-06	4.99E-07	4.92E-07	0.00E+00	0.00E+00	2.27E-07	4.09E-08	2.60E-07	4.01E-08	3.81E-08	6.06E-07	6.45E-07	2.36E-07	3.22E-07	1.20E-07	6.45E-07	2.36E-07
2586	492930.5	3860443	1.98E-03	1.93E-03	1.90E-03	6.84E-07	2.07E-06	1.20E-06	1.17E-06	1.06E-06	4.83E-07	4.76E-07	0.00E+00	0.00E+00	2.20E-07	3.96E-08	2.51E-07	3.88E-08	3.69E-08	5.86E-07	6.24E-07	2.29E-07	3.11E-07	1.16E-07	6.24E-07	2.29E-07
2587	492980.5	3860443	1.89E-03	1.85E-03	1.82E-03	6.56E-07	1.98E-06	1.15E-06	1.12E-06	1.01E-06	4.63E-07	4.56E-07	0.00E+00	0.00E+00	2.11E-07	3.80E-08	2.41E-07	3.71E-08	3.53E-08	5.62E-07	5.98E-07	2.19E-07	2.98E-07	1.11E-07	5.98E-07	2.19E-07
2588	493030.5	3860443	1.82E-03	1.77E-03	1.75E-03	6.29E-07	1.90E-06	1.10E-06	1.07E-06	9.72E-07	4.44E-07	4.38E-07	0.00E+00	0.00E+00	2.02E-07	3.64E-08	2.31E-07	3.56E-08	3.39E-08	5.39E-07	5.73E-07	2.10E-07	2.86E-07	1.07E-07	5.73E-07	2.10E-07
2589	493080.5	3860443	1.76E-03	1.71E-03	1.69E-03	6.08E-07	1.84E-06	1.06E-06	1.04E-06	9.40E-07	4.29E-07	4.23E-07	0.00E+00	0.00E+00	1.96E-07	3.52E-08	2.23E-07	3.44E-08	3.28E-08	5.21E-07	5.54E-07	2.03E-07	2.77E-07	1.03E-07	5.54E-07	2.03E-07
2590	493130.5	3860443	1.70E-03	1.66E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.00E-06	9.11E-07	4.16E-07	4.10E-07	0.00E+00	0.00E+00	1.89E-07	3.41E-08	2.16E-07	3.34E-08	3.17E-08	5.05E-07	5.37E-07	1.97E-07	2.68E-07	1.00E-07	5.37E-07	1.97E-07
2591	493180.5	3860443	1.68E-03	1.64E-03	1.62E-03	5.83E-07	1.76E-06	1.02E-06	9.94E-07	9.01E-07	4.11E-07	4.06E-07	0.00E+00	0.00E+00	1.87E-07	3.37E-08	2.14E-07	3.30E-08	3.14E-08	5.00E-07	5.31E-07	1.95E-07	2.65E-07	9.91E-08	5.31E-07	1.95E-07
2592	493230.5	3860443	1.61E-03	1.58E-03	1.55E-03	5.59E-07	1.69E-06	9.77E-07	9.53E-07	8.64E-07	3.94E-07	3.89E-07	0.00E+00	0.00E+00	1.80E-07	3.24E-08	2.05E-07	3.17E-08	3.01E-08	4.79E-07	5.09E-07	1.87E-07	2.54E-07	9.50E-08	5.09E-07	1.87E-07
2593	493280.5	3860443	1.56E-03	1.52E-03	1.50E-03	5.41E-07	1.63E-06	9.45E-07	9.22E-07	8.36E-07	3.81E-07	3.76E-07	0.00E+00	0.00E+00	1.74E-07	3.13E-08	1.99E-07	3.06E-08	2.91E-08	4.63E-07	4.93E-07	1.81E-07	2.46E-07	9.19E-08	4.93E-07	1.81E-07
2594	493330.5	3860443	1.50E-03	1.46E-03	1.44E-03	5.19E-07	1.57E-06	9.08E-07	8.86E-07	8.03E-07	3.66E-07	3.62E-07	0.00E+00	0.00E+00	1.67E-07	3.01E-08	1.91E-07	2.94E-08	2.80E-08	4.45E-07	4.74E-07	1.74E-07	2.36E-07	8.83E-08	4.74E-07	1.74E-07
2595	493380.5	3860443	1.47E-03	1.44E-03	1.42E-03	5.10E-07	1.54E-06	8.91E-07	8.70E-07	7.88E-07	3.60E-07	3.55E-07	0.00E+00	0.00E+00	1.64E-07	2.95E-08	1.87E-07	2.89E-08	2.75E-08	4.37E-07	4.65E-07	1.70E-07	2.32E-07	8.67E-08	4.65E-07	1.70E-07
2596	493180.5	3860493	1.75E-03	1.71E-03	1.69E-03	6.06E-07	1.83E-06	1.06E-06	1.03E-06	9.37E-07	4.27E-07	4.22E-07	0.00E+00	0.00E+00	1.95E-07	3.51E-08	2.23E-07	3.43E-08	3.27E-08	5.20E-07	5.52E-07	2.03E-07	2.76E-07	1.03E-07	5.52E-07	2.03E-07
2597	493230.5	3860493	1.69E-03	1.65E-03	1.63E-03	5.85E-07	1.77E-06	1.02E-06	9.97E-07	9.04E-07	4.13E-07	4.07E-07	0.00E+00	0.00E+00	1.88E-07	3.39E-08	2.15E-07	3.31E-08	3.15E-08	5.01E-07	5.33E-07	1.96E-07	2.66E-07	9.95E-08	5.33E-07	1.96E-07
2598	493280.5	3860493	1.63E-03	1.59E-03	1.57E-03	5.64E-07	1.70E-06	9.86E-07	9.62E-07	8.72E-07	3.98E-07	3.93E-07	0.00E+00	0.00E+00	1.81E-07	3.27E-08	2.07E-07	3.20E-08	3.04E-08	4.84E-07	5.14E-07	1.89E-07	2.57E-07	9.60E-08	5.14E-07	1.89E-07
2599	493330.5	3860493	1.58E-03	1.54E-03	1.52E-03	5.47E-07	1.65E-06	9.56E-07	9.33E-07	8.46E-07	3.86E-07	3.81E-07	0.00E+00	0.00E+00	1.76E-07	3.17E-08	2.01E-07	3.10E-08	2.95E-08	4.69E-07	4.99E-07	1.83E-07	2.49E-07	9.30E-08	4.99E-07	1.83E-07
2600	493380.5	3860493	1.55E-03	1.51E-03	1.49E-03	5.36E-07	1.62E-06	9.38E-07	9.15E-07	8.29E-07	3.78E-07	3.73E-07	0.00E+00	0.00E+00	1.72E-07	3.11E-08	1.97E-07	3.04E-08	2.89E-08	4.60E-07	4.89E-07	1.79E-07	2.44E-07	9.12E-08	4.89E-07	1.79E-07
2601	493330.5	3860543	1.65E-03	1.61E-03	1.59E-03	5.72E-07	1.73E-06	1.00E-06	9.76E-07	8.84E-07	4.04E-07	3.98E-07	0.00E+00	0.00E+00	1.84E-07	3.31E-08	2.10E-07	3.24E-08	3.08E-08	4.90E-07	5.22E-07	1.91E-07	2.60E-07	9.73E-08	5.22E-07	1.91E-07
2602	493380.5	3860543	1.62E-03	1.58E-03	1.56E-03	5.61E-07	1.69E-06	9.80E-07	9.57E-07	8.67E-07	3.96E-07	3.90E-07	0.00E+00	0.00E+00	1.80E-07	3.25E-08	2.06E-07	3.18E-08	3.02E-08	4.81E-07	5.11E-07	1.88E-07	2.55E-07	9.54E-08	5.11E-07	1.88E-07
2603	494135.9	3860877	1.67E-03	1.63E-03	1.61E-03	5.77E-07	1.74E-06	1.01E-06	9.85E-07	8.93E-07	4.07E-07	4.02E-07	0.00E+00	0.00E+00	1.86E-07	3.34E-08	2.12E-07	3.27E-08	3.11E-08	4.95E-07	5.27E-07	1.93E-07	2.63E-07	9.82E-08	5.27E-07	1.93E-07
2604	494185.9	3860877	1.64E-03	1.60E-03	1.58E-03	5.68E-07	1.72E-06	9.93E-07	9.69E-07	8.78E-07	4.01E-07	3.96E-07	0.00E+00	0.00E+00	1.83E-07	3.29E-08	2.09E-07	3.22E-08	3.06E-08	4.87E-07	5.18E-07	1.90E-07	2.59E-07	9.66E-08	5.18E-07	1.90E-07
2605	494135.9	3860927	1.78E-03	1.74E-03	1.71E-03	6.16E-07	1.86E-06	1.08E-06	1.05E-06	9.53E-07	4.35E-07	4.29E-07	0.00E+00	0.00E+00	1.98E-07	3.57E-08	2.26E-07	3.49E-08	3.32E-08	5.28E-07	5.62E-07	2.06E-07	2.80E-07	1.05E-07	5.62E-07	2.06E-07
2606	494185.9	3860927	1.75E-03	1.71E-03	1.68E-03	6.05E-07	1.83E-06	1.06E-06	1.03E-06	9.36E-07	4.27E-07	4.21E-07	0.00E+00	0.00E+00	1.95E-07	3.50E-08	2.22E-07	3.43E-08	3.26E-08	5.19E-07	5.52E-07	2.02E-07	2.75E-07	1.03E-07	5.52E-07	2.02E-07
2607	494135.9	3860977	1.91E-03	1.86E-03	1.84E-03	6.61E-07	2.00E-06	1.16E-06	1.13E-06	1.02E-06	4.66E-07	4.60E-07	0.00E+00	0.00E+00	2.13E-07	3.83E-08	2.43E-07	3.75E-08	3.56E-08	5.67E-07	6.03E-07	2.21E-07	3.01E-07	1.12E-07	6.03E-07	2.21E-07
2608	494185.9	3860977	1.87E-03	1.83E-03	1.80E-03	6.48E-07	1.96E-06	1.13E-06	1.11E-06	1.00E-06	4.57E-07	4.51E-07	0.00E+00	0.00E+00	2.09E-07	3.75E-08	2.38E-07	3.67E-08	3.50E-08	5.56E-07	5.91E-07	2.17E-07	2.95E-07	1.10E-07	5.91E-07	2.17E-07
2609	494135.9	3861027	2.07E-03	2.02E-03	1.99E-03	7.15E-07	2.16E-06	1.25E-06	1.22E-06	1.11E-06	5.05E-07	4.98E-07	0.00E+00	0.00E+00	2.30E-07	4.14E-08	2.63E-07	4.05E-08	3.86E-08	6.13E-07	6.52E-07	2.39E-07	3.25E-07	1.22E-07	6.52E-07	2.39E-07
2610	494185.9	3861027	2.02E-03	1.97E-03	1.95E-03	7.00E-07	2.11E-06	1.22E-06	1.19E-06	1.08E-06	4.94E-07	4.88E-07	0.00E+00	0.00E+00	2.25E-07	4.06E-08	2.57E-07	3.97E-08	3.78E-08	6.01E-07	6.39E-07	2.34E-07	3.19E-07	1.19E-07	6.39E-07	2.34E-07
2611	494135.9	3861077	2.26E-03	2.20E-03	2.17E-03	7.81E-07	2.36E-06	1.36E-06	1.33E-06	1.21E-06	5.51E-07	5.43E-07	0.00E+00	0.00E+00	2.51E-07	4.52E-08	2.87E-07	4.42E-08	4.21E-08	6.69E-07	7.12E-07	2.61E-07	3.55E-07	1.33E-07	7.12E-07	2.61E-07

2612	494185.9	3861077	2.21E-03	2.15E-03	2.12E-03	7.63E-07	2.31E-06	1.33E-06	1.30E-06	1.18E-06	5.39E-07	5.31E-07	0.00E+00	0.00E+00	2.46E-07	4.42E-08	2.80E-07	4.33E-08	4.12E-08	6.55E-07	6.96E-07	2.55E-07	3.47E-07	1.30E-07	6.96E-07	2.55E-07
2613	490360	3858710	1.55E-03	1.51E-03	1.49E-03	5.36E-07	1.62E-06	9.37E-07	9.14E-07	8.29E-07	3.78E-07	3.73E-07	0.00E+00	0.00E+00	1.72E-07	3.10E-08	1.97E-07	3.04E-08	2.89E-08	4.60E-07	4.89E-07	1.79E-07	2.44E-07	9.12E-08	4.89E-07	1.79E-07
2614	490410	3858710	1.51E-03	1.47E-03	1.45E-03	5.21E-07	1.57E-06	9.11E-07	8.89E-07	8.06E-07	3.68E-07	3.63E-07	0.00E+00	0.00E+00	1.68E-07	3.02E-08	1.91E-07	2.95E-08	2.81E-08	4.47E-07	4.75E-07	1.74E-07	2.37E-07	8.86E-08	4.75E-07	1.74E-07
2615	490460	3858710	1.46E-03	1.42E-03	1.40E-03	5.04E-07	1.52E-06	8.81E-07	8.59E-07	7.79E-07	3.55E-07	3.51E-07	0.00E+00	0.00E+00	1.62E-07	2.92E-08	1.85E-07	2.85E-08	2.72E-08	4.32E-07	4.59E-07	1.68E-07	2.29E-07	8.57E-08	4.59E-07	1.68E-07
2616	490510	3858710	1.42E-03	1.38E-03	1.36E-03	4.90E-07	1.48E-06	8.57E-07	8.36E-07	7.58E-07	3.46E-07	3.41E-07	0.00E+00	0.00E+00	1.58E-07	2.84E-08	1.80E-07	2.78E-08	2.64E-08	4.20E-07	4.47E-07	1.64E-07	2.23E-07	8.34E-08	4.47E-07	1.64E-07
2617	490560	3858710	1.38E-03	1.35E-03	1.33E-03	4.78E-07	1.44E-06	8.36E-07	8.15E-07	7.39E-07	3.37E-07	3.33E-07	0.00E+00	0.00E+00	1.54E-07	2.77E-08	1.76E-07	2.71E-08	2.58E-08	4.10E-07	4.36E-07	1.60E-07	2.18E-07	8.13E-08	4.36E-07	1.60E-07
2618	490610	3858710	1.35E-03	1.31E-03	1.30E-03	4.66E-07	1.41E-06	8.15E-07	7.95E-07	7.21E-07	3.29E-07	3.24E-07	0.00E+00	0.00E+00	1.50E-07	2.70E-08	1.71E-07	2.64E-08	2.51E-08	4.00E-07	4.25E-07	1.56E-07	2.12E-07	7.93E-08	4.25E-07	1.56E-07
2619	490660	3858710	1.32E-03	1.29E-03	1.27E-03	4.57E-07	1.38E-06	7.99E-07	7.80E-07	7.07E-07	3.23E-07	3.18E-07	0.00E+00	0.00E+00	1.47E-07	2.65E-08	1.68E-07	2.59E-08	2.46E-08	3.92E-07	4.17E-07	1.53E-07	2.08E-07	7.77E-08	4.17E-07	1.53E-07
2620	490710	3858710	1.28E-03	1.25E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.58E-07	6.87E-07	3.14E-07	3.09E-07	0.00E+00	0.00E+00	1.43E-07	2.57E-08	1.63E-07	2.52E-08	2.40E-08	3.81E-07	4.05E-07	1.49E-07	2.02E-07	7.56E-08	4.05E-07	1.49E-07
2621	490760	3858710	1.25E-03	1.22E-03	1.21E-03	4.33E-07	1.31E-06	7.57E-07	7.39E-07	6.70E-07	3.06E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.51E-08	1.59E-07	2.45E-08	2.34E-08	3.71E-07	3.95E-07	1.45E-07	1.97E-07	7.37E-08	3.95E-07	1.45E-07
2622	490810	3858710	1.22E-03	1.19E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.21E-07	6.54E-07	2.98E-07	2.94E-07	0.00E+00	0.00E+00	1.36E-07	2.45E-08	1.55E-07	2.40E-08	2.28E-08	3.63E-07	3.85E-07	1.41E-07	1.92E-07	7.19E-08	3.85E-07	1.41E-07
2623	490860	3858710	1.19E-03	1.16E-03	1.14E-03	4.11E-07	1.24E-06	7.18E-07	7.01E-07	6.35E-07	2.90E-07	2.86E-07	0.00E+00	0.00E+00	1.32E-07	2.38E-08	1.51E-07	2.33E-08	2.21E-08	3.52E-07	3.75E-07	1.37E-07	1.87E-07	6.99E-08	3.75E-07	1.37E-07
2624	490360	3858760	1.61E-03	1.57E-03	1.55E-03	5.58E-07	1.69E-06	9.76E-07	9.52E-07	8.63E-07	3.94E-07	3.89E-07	0.00E+00	0.00E+00	1.80E-07	3.23E-08	2.05E-07	3.16E-08	3.01E-08	4.79E-07	5.09E-07	1.87E-07	2.54E-07	9.50E-08	5.09E-07	1.87E-07
2625	490410	3858760	1.56E-03	1.53E-03	1.51E-03	5.41E-07	1.63E-06	9.46E-07	9.23E-07	8.37E-07	3.82E-07	3.77E-07	0.00E+00	0.00E+00	1.74E-07	3.13E-08	1.99E-07	3.07E-08	2.92E-08	4.64E-07	4.94E-07	1.81E-07	2.46E-07	9.21E-08	4.94E-07	1.81E-07
2626	490460	3858760	1.51E-03	1.48E-03	1.46E-03	5.24E-07	1.58E-06	9.16E-07	8.94E-07	8.10E-07	3.70E-07	3.65E-07	0.00E+00	0.00E+00	1.69E-07	3.03E-08	1.93E-07	2.97E-08	2.83E-08	4.49E-07	4.78E-07	1.75E-07	2.39E-07	8.91E-08	4.78E-07	1.75E-07
2627	490510	3858760	1.46E-03	1.43E-03	1.41E-03	5.07E-07	1.53E-06	8.86E-07	8.65E-07	7.84E-07	3.58E-07	3.53E-07	0.00E+00	0.00E+00	1.63E-07	2.94E-08	1.86E-07	2.87E-08	2.73E-08	4.35E-07	4.62E-07	1.70E-07	2.31E-07	8.62E-08	4.62E-07	1.70E-07
2628	490560	3858760	1.42E-03	1.39E-03	1.37E-03	4.93E-07	1.49E-06	8.62E-07	8.41E-07	7.62E-07	3.48E-07	3.43E-07	0.00E+00	0.00E+00	1.59E-07	2.85E-08	1.81E-07	2.79E-08	2.66E-08	4.23E-07	4.50E-07	1.65E-07	2.24E-07	8.38E-08	4.50E-07	1.65E-07
2629	490610	3858760	1.38E-03	1.35E-03	1.33E-03	4.79E-07	1.45E-06	8.37E-07	8.17E-07	7.40E-07	3.38E-07	3.33E-07	0.00E+00	0.00E+00	1.54E-07	2.77E-08	1.76E-07	2.71E-08	2.58E-08	4.11E-07	4.37E-07	1.60E-07	2.18E-07	8.14E-08	4.37E-07	1.60E-07
2630	490660	3858760	1.35E-03	1.31E-03	1.30E-03	4.66E-07	1.41E-06	8.15E-07	7.95E-07	7.21E-07	3.29E-07	3.24E-07	0.00E+00	0.00E+00	1.50E-07	2.70E-08	1.71E-07	2.64E-08	2.51E-08	4.00E-07	4.25E-07	1.56E-07	2.12E-07	7.93E-08	4.25E-07	1.56E-07
2631	490710	3858760	1.31E-03	1.28E-03	1.26E-03	4.54E-07	1.37E-06	7.93E-07	7.74E-07	7.02E-07	3.20E-07	3.16E-07	0.00E+00	0.00E+00	1.46E-07	2.63E-08	1.67E-07	2.57E-08	2.45E-08	3.89E-07	4.14E-07	1.52E-07	2.07E-07	7.72E-08	4.14E-07	1.52E-07
2632	490760	3858760	1.27E-03	1.24E-03	1.23E-03	4.41E-07	1.33E-06	7.70E-07	7.52E-07	6.81E-07	3.11E-07	3.07E-07	0.00E+00	0.00E+00	1.42E-07	2.55E-08	1.62E-07	2.50E-08	2.38E-08	3.78E-07	4.02E-07	1.47E-07	2.01E-07	7.50E-08	4.02E-07	1.47E-07
2633	490810	3858760	1.24E-03	1.21E-03	1.19E-03	4.29E-07	1.29E-06	7.50E-07	7.31E-07	6.63E-07	3.03E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.48E-08	1.58E-07	2.43E-08	2.31E-08	3.68E-07	3.91E-07	1.43E-07	1.95E-07	7.29E-08	3.91E-07	1.43E-07
2634	490860	3858760	1.21E-03	1.18E-03	1.16E-03	4.18E-07	1.26E-06	7.32E-07	7.14E-07	6.47E-07	2.95E-07	2.91E-07	0.00E+00	0.00E+00	1.35E-07	2.42E-08	1.54E-07	2.37E-08	2.26E-08	3.59E-07	3.82E-07	1.40E-07	1.90E-07	7.12E-08	3.82E-07	1.40E-07
2635	490360	3858810	1.68E-03	1.64E-03	1.62E-03	5.81E-07	1.75E-06	1.02E-06	9.91E-07	8.98E-07	4.10E-07	4.04E-07	0.00E+00	0.00E+00	1.87E-07	3.36E-08	2.13E-07	3.29E-08	3.13E-08	4.98E-07	5.30E-07	1.94E-07	2.64E-07	9.88E-08	5.30E-07	1.94E-07
2636	490410	3858810	1.62E-03	1.58E-03	1.56E-03	5.62E-07	1.70E-06	9.82E-07	9.58E-07	8.68E-07	3.96E-07	3.91E-07	0.00E+00	0.00E+00	1.81E-07	3.25E-08	2.06E-07	3.18E-08	3.03E-08	4.82E-07	5.12E-07	1.88E-07	2.56E-07	9.55E-08	5.12E-07	1.88E-07
2637	490460	3858810	1.57E-03	1.53E-03	1.51E-03	5.43E-07	1.64E-06	9.49E-07	9.26E-07	8.40E-07	3.83E-07	3.78E-07	0.00E+00	0.00E+00	1.75E-07	3.14E-08	1.99E-07	3.08E-08	2.93E-08	4.66E-07	4.95E-07	1.82E-07	2.47E-07	9.23E-08	4.95E-07	1.82E-07
2638	490510	3858810	1.52E-03	1.49E-03	1.47E-03	5.27E-07	1.59E-06	9.22E-07	8.99E-07	8.15E-07	3.72E-07	3.67E-07	0.00E+00	0.00E+00	1.70E-07	3.05E-08	1.94E-07	2.99E-08	2.84E-08	4.52E-07	4.81E-07	1.76E-07	2.40E-07	8.97E-08	4.81E-07	1.76E-07
2639	490560	3858810	1.48E-03	1.44E-03	1.42E-03	5.12E-07	1.55E-06	8.95E-07	8.73E-07	7.91E-07	3.61E-07	3.56E-07	0.00E+00	0.00E+00	1.65E-07	2.96E-08	1.88E-07	2.90E-08	2.76E-08	4.39E-07	4.67E-07	1.71E-07	2.33E-07	8.70E-08	4.67E-07	1.71E-07
2640	490610	3858810	1.43E-03	1.39E-03	1.38E-03	4.94E-07	1.49E-06	8.64E-07	8.43E-07	7.65E-07	3.49E-07	3.44E-07	0.00E+00	0.00E+00	1.59E-07	2.86E-08	1.82E-07	2.80E-08	2.67E-08	4.24E-07	4.51E-07	1.65E-07	2.25E-07	8.41E-08	4.51E-07	1.65E-07
2641	490660	3858810	1.39E-03	1.35E-03	1.33E-03	4.80E-07	1.45E-06	8.39E-07	8.18E-07	7.42E-07	3.39E-07	3.34E-07	0.00E+00	0.00E+00	1.54E-07	2.78E-08	1.76E-07	2.72E-08	2.59E-08	4.11E-07	4.37E-07	1.60E-07	2.18E-07	8.16E-08	4.37E-07	1.60E-07
2642	490710	3858810	1.34E-03	1.31E-03	1.29E-03	4.65E-07	1.40E-06	8.13E-07	7.93E-07	7.19E-07	3.28E-07	3.24E-07	0.00E+00	0.00E+00	1.50E-07	2.69E-08	1.71E-07	2.64E-08	2.51E-08	3.99E-07	4.24E-07	1.56E-07	2.12E-07	7.91E-08	4.24E-07	1.56E-07
2643	490760	3858810	1.30E-03	1.27E-03	1.25E-03	4.49E-07	1.36E-06	7.84E-07	7.65E-07	6.94E-07	3.17E-07	3.12E-07	0.00E+00	0.00E+00	1.44E-07	2.60E-08	1.65E-07	2.54E-08	2.42E-08	3.85E-07	4.09E-07	1.50E-07	2.04E-07	7.63E-08	4.09E-07	1.50E-07
2644	490810	3858810	1.27E-03	1.24E-03	1.22E-03	4.39E-07	1.33E-06	7.68E-07	7.49E-07	6.79E-07	3.10E-07	3.06E-07	0.00E+00	0.00E+00	1.41E-07	2.54E-08	1.61E-07	2.49E-08	2.37E-08	3.77E-07	4.01E-07	1.47E-07	2.00E-07	7.47E-08	4.01E-07	1.47E-07
2645	490860	3858810	1.23E-03	1.20E-03	1.19E-03	4.26E-07	1.29E-06	7.45E-07	7.27E-07	6.59E-07	3.01E-07	2.97E-07	0.00E+00	0.00E+00	1.37E-07	2.47E-08	1.57E-07	2.42E-08	2.30E-08	3.66E-07	3.89E-07	1.43E-07	1.94E-07	7.25E-08	3.89E-07	1.43E-07
2646	490360	3858860	1.74E-03	1.70E-03	1.68E-03	6.03E-07	1.82E-06	1.05E-06	1.03E-06	9.32E-07	4.25E-07	4.20E-07	0.00E+00	0.00E+00	1.94E-07	3.49E-08	2.21E-07	3.42E-08	3.25E-08	5.17E-07	5.50E-07	2.02E-07	2.74E-07	1.03E-07	5.50E-07	2.02E-07
2647	490410	3858860	1.69E-03	1.65E-03	1.63E-03	5.86E-07	1.77E-06	1.02E-06	1.00E-06	9.06E-07	4.13E-07	4.08E-07	0.00E+00	0.00E+00	1.88E-07	3.39E-08	2.15E-07	3.32E-08	3.16E-08	5.03E-07	5.34E-07	1.96E-07	2.67E-07	9.97E-08	5.34E-07	1.96E-07
2648	490460	3858860	1.63E-03	1.59E-03	1.57E-03	5.64E-07	1.70E-06	9.87E-07	9.63E-07	8.73E-07	3.98E-07	3.93E-07	0.00E+00	0.00E+00	1.81E-07	3.27E-08	2.07E-07	3.20E-08	3.04E-08	4.84E-07	5.15E-07	1.89E-07	2.57E-07	9.60E-08	5.15E-07	1.89E-07
2649	490510	3858860	1.59E-03	1.55E-03	1.53E-03	5.50E-07	1.66E-06	9.61E-07	9.38E-07	8.50E-07	3.88E-07	3.83E-07	0.00E+00	0.00E+00	1.77E-07	3.18E-08	2.02E-07	3.11E-08	2.96E-08	4.71E-07	5.01E-07	1.84E-07	2.50E-07	9.35E-08	5.01E-07	1.84E-07
2650	490560	3858860	1.53E-03	1.50E-03	1.48E-03	5.31E-07	1.60E-06	9.28E-07	9.06E-07	8.21E-07	3.75E-07	3.70E-07	0.00E+00	0.00E+00	1.71E-07	3.07E-08	1.95E-07	3.01E-08	2.86E-08	4.55E-07	4.84E-07	1.78E-07	2.42E-07	9.03E-08	4.84E-07	1.78E-07
2651	490610	3858860	1.47E-03	1.44E-03	1.42E-03	5.10E-07	1.54E-06	8.91E-07	8.69E-07	7.88E-07	3.60E-07	3.55E-07	0.00E+00	0.00E+00	1.64E-07	2.95E-08	1.87E-07	2.89E-08	2.75E-08	4.37E-07	4.65E-07	1.70E-07	2.32E-07	8.67E-08	4.65E-07	1.70E-07
2652	490660	3858860	1.43E-03	1.39E-03	1.37E-03	4.94E-07	1.49E-06	8.64E-07	8.43E-07	7.64E-07	3.49E-07	3.44E-07	0.00E+00	0.00E+00	1.59E-07	2.86E-08	1.82E-07	2.80E-08	2.66E-08	4.24E-07	4.51E-07	1.65E-07	2.25E-07	8.40E-08	4.51E-07	1.65E-07
2653	490710	3858860	1.39E-03	1.36E-03	1.34E-03	4.81E-07	1.45E-06	8.41E-07	8.21E-07	7.44E-07	3.40E-07	3.35E-07	0.00E+00	0.00E+00	1.55E-07	2.79E-08	1.77E-07	2.73E-08	2.59E-08	4.13E-07	4.39E-07	1.61E-07	2.19E-07	8.18E-08	4.39E-07	1.61E-07
2654	490760	3858860	1.34E-03	1.31E-03	1.29E-03	4.64E-07	1.40E-06	8.11E-07	7.91E-07	7.17E-07	3.27E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.69E-08	1.70E-07	2.63E-08	2.50E-08	3.98E-07	4.23E-07	1.55E-07	2.11E-07	7.89E-08	4.23E-07	1.55E-07
2655	490810	3858860	1.30E-03	1.26E-03	1.25E-03	4.49E-07	1.35E-06	7.84E-07	7.65E-07	6.93E-07	3.16E-07	3.12E-07	0.00E+00	0.00E+00	1.44E-07	2.60E-08	1.65E-07	2.54E-08	2.42E-08	3.85E-07	4.09E-07	1.50E-07	2.04E-07	7.63E-08	4.09E-07	1.50E-07
2656	490860	3858860	1.25E-03	1.22E-03	1.21E-03	4.33E-07	1.31E-06	7.58E-07	7.39E-07	6.70E-07	3.06E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.51E-08	1.59E-07	2.46E-08	2.34E-08	3.72E-07	3.95E-07	1.45E-07	1.97E-07	7.37E-08	3.95E-07	1.45E-07
2657	490360	3858910	1.84E-03	1.80E-03	1.77E-03	6.37E-07	1.92E-06	1.11E-06	1.09E-06	9.85E-07	4.49E-07	4.43E-07	0.00E+00	0.00E+00	2.05E-07	3.69E-08	2.34E-07	3.61E-08	3.43E-08	5.46E-07	5.81E-07	2.13E-07	2.90E-07	1.08E-07	5.81E-07	2.13E-07
2658	490410	3858910	1.78E-03	1.73E-03	1.71E-03	6.15E-07	1.86E-06	1.07E-06	1.05E-06	9.50E-07	4.34E-07	4.28E-07	0.00E+00	0.00E+00	1.98E-07	3.56E-08	2.26E-07	3.48E-08	3.31E-08	5.27E-07	5.60E-07	2.06E-07	2.80E-07	1.05E-07	5.60E-07	2.06E-07
2659	490460	3858910	1.71E-03	1.67E-03	1.65E-03	5.93E-07	1.79E-06	1.04E-06	1.01E-06	9.17E-07	4.18E-07	4.13E-07	0.00E+00	0.00E+00	1.91E-07	3.43E-08	2.18E-07	3.36E-08	3.20E-08	5.08E-07	5.41E-07	1.98E-07	2.70E-07	1.01E-07	5.41E-07	1.98E-07
2660	490510	3858910	1.65E-03	1.61E-03	1.59E-03	5.71E-07	1.72E-06	9.98E-07	9.74E-07	8.83E-07	4.03E-07	3.97E-07	0.00E+00	0.00E+00	1.84E-07	3.31E-08	2.10E-07	3.23E-08	3.08E-08	4.89E-07	5.20E-07	1.91E-07	2.60E-07	9.71E-08	5.20E-07	1.91E-07
2661	490560	3858910	1.59E-03	1.55E-03	1.53E-03	5.49E-07	1.66E-06	9.60E-07	9.36E-07	8.49E-07	3.87E-07	3.82E-07	0.00E+00	0.00E+00	1.77E-07	3.18E-08	2.02E-07	3.11E-08	2.96E-08	4.71E-07	5.01E-07	1.84E-07	2.50E-07	9.34E-08	5.01E-07	1.84E-07
2662	490610	3858910	1.53E-03	1.49E-03	1.47E-03	5.28E-07	1.59E-06	9.23E-07	9.00E-07	8.16E-07	3.72E-07	3.68E-07	0.00E+00	0.00E+00	1.70E-07	3.06E-08	1.94E-07	2.99E-08	2.85E-08	4.53E-07	4.81E-07	1.77E-07	2.40E-07	8.98E-08	4.81E-07	1.77E-07
2663	490660	3858910	1.48E-03	1.44E-03	1.42E-03	5.11E-07	1.54E-06	8.93E-07	8.71E-07	7.90E-07	3.60E-07	3.56E-07	0.00E+00	0.00E+00	1.64E-07	2.96E-08	1.88E-07	2.89E-08	2.75E-08	4.38E-07	4.66E-07	1.71E-07	2.32E-07	8.68E-08	4.66E-07	1.71E-07
2664	490710	3858910	1.42E-03	1.39E-03	1.37E-03	4.93E-07	1.49E-06	8.61E-07	8.40E-07	7.62E-07	3.48E-07	3.43E-07	0.00E+00	0.00E+00	1.58E-07	2.85E-08	1.81E-07	2.79E-08	2.66E-08	4.22E-07	4.49E-07	1.65E-07	2.24E-07	8.38E-08	4.49E-07	1.65E-07
2665	490760	3858910	1.37E-03	1.33E-03	1.32E-03	4.73E-07	1.43E-06	8.27E-07	8.07E-07	7.32E-07	3.34E-07	3.30E-07	0.00E+00	0.00E+00	1.52E-07	2.74E-08	1.74E-07	2.68E-08	2.55E-08	4.06E-07	4.32E-07	1.58E-07	2.15E-07	8.05E-08	4.32E-07	1.58E-07
2666	490810	3858910	1.33E-03	1.29E-03	1.28E-03	4.59E-07	1.39E-06	8.02E-07	7.83E-07	7.09E-07	3.24E-07	3.19E-07	0.00E+00	0.00E+00	1.48E-07	2.66E-08	1.69E-07	2.60E-08	2.47E-08	3.93E-07	4.18E-07	1.53E-07	2.09E-07	7.80E-08	4.18E-07	1.53E-07
2667	490860	3858910	1.28E-03	1.24E-03	1.23E-03	4.41E-07	1.33E-06	7.72E-07	7.53E-07	6.83E-07	3.11E-07	3.07E-07	0.00E+00	0.00E+00	1.42E-07	2.56E-08	1.62E-07	2.50E-08	2.38E-08	3.79E-07	4.03E-07	1.48E-07	2.01E-07	7.51E-08	4.03E-07	1.48E-07
2668	490360	3858960	1.93E-03	1.88E-03	1.86E-03	6.69E-07	2.02E-06	1.17E-06	1.14E-06	1.03E-06	4.72E-07	4.65E-07	0.00E+00	0.00E+00	2.15E-07	3.87E-08	2.46E-07	3.79E-08	3.60E-08	5.73E-07	6.10E-07	2.24E-07	3.04E-07	1.14E-07	6.10E-07	2.24E-07
2669	490410	3858960	1.85E-03	1.81E-03	1.79E-03	6.42E-07	1.94E-06	1.12E-06	1.09E-06	9.93E-07	4.53E-07	4.47E-07	0.00E+00	0.00E+00	2.06E-07	3.72E-08	2.36E-07	3.64E-08	3.46E-08	5.50E-07	5.85E-07	2.15E-07	2.92E-07	1.09E-07	5.85E-07	2.15E-07
2670	490460	3858960	1.78E-03	1.73E-03	1.71E-03	6.15E-07	1.86E-06	1.08E-06	1.05E-06	9.52E-07	4.34E-07	4.28E-07	0.00E+00	0.00E+00	1.98E-07	3.56E-08	2.26E-07	3.49E-08	3.32E-08	5.28E-07	5.61E-07	2.06E-07	2.80E-07	1.05E-07	5.61E-07	2.06E-07
2671	490510	3858960	1.71E-03	1.67E-03	1.65E-03	5.92E-07	1.79E-06	1.03E-06	1.01E-06	9.15E-07	4.17E-07	4.12E-07	0.00E+00	0.00E+00	1.90E-07	3.43E-08	2.17E-07	3.35E-08	3.19E-08	5.07E-07	5.39E-07	1.98E-07	2.69E-07	1.01E-07	5.39E-07	1.98E-07
2672	490560	3858960	1.64E-03	1.61E-03	1.58E-03	5.69E-07	1.72E-06	9.95E-07	9.71E-07	8.80E-07	4.02E-07	3.96E-07	0.00E+00	0.00E+00	1.83E-07	3.30E-08	2.09E-07	3.23E-08	3.07E-08	4.88E-07	5.19E-07	1.90E-07	2.59E-07	9.68E-08	5.19E-07	1.90E-07
2673	490610	3858960	1.57E-03	1.54E-03	1.51E-03	5.45E-07	1.64E-06	9.52E-07	9.29E-07	8.42E-07	3.84E-07	3.79E-07	0.00E+00	0.00E+00	1.75E-07	3.15E-08	2.00E-07	3.09E-08	2.94E-08	4.67E-07	4.97E-07	1.82E-07	2.48E-07	9.26E-08	4.97E-07	1.82E-07
2674	490660	3858960	1.53E-03	1.49E-03	1.47E-03	5.29E-07	1.60E-06	9.25E-07	9.03E-07	8.18E-07	3.73E-07	3.68E-07	0.00E+00	0.00E+00	1.70E-07	3.06E-08	1.94E-07	3.00E-08	2.85E-08	4.54E-07	4.83E-07	1.77E-07	2.41E-07	9.00E-08	4.83E-07	1.77E-07
2675	490710	3858960	1.46E-03	1.43E-03	1.41E-03	5.07E-07	1.53E-06	8.86E-07	8.65E-07	7.84E-07	3.58E-07	3.53E-07	0.00E+00	0.00E+00	1.63E-07	2.94E-08	1.86E-07	2.87E-08	2.73E-08	4.35E-07	4.62E-07	1.70E-07	2.31E-07	8.62E-08	4.62E-07	1.70E-07
2676	490760	3858960	1.41E-03	1.37E-03	1.36E-03	4.88E-07	1.47E-06	8.52E-07	8.32E-07	7.54E-07	3.44E-07	3.40E-07	0.00E+00	0.00E+00	1.57E-07	2.82E-08	1.79E-07	2.76E-08	2.63E-08	4.18E-07	4.45E-07	1.63E-07	2.22E-07	8.29E-08	4.45E-07	1.63E-07
2677	490810	3858960	1.36E-03	1.32E-03	1.31E-03	4.70E-07	1.42E-06	8.21E-07	8.01E-07	7.26E-07	3.31E-07	3.27E-07	0.00E+00	0.00E+00	1.51E-07	2.72E-08	1.73E-07	2.66E-08	2.53E-08	4.03E-07	4.28E-07	1.57E-07	2.14E-07	7.99E-08	4.28E-07	1.57E-07
2678	490860	3858960	1.30E-03	1.27E-03	1.25E-03	4.51E-07	1.36E-06	7.88E-07	7.69E-07	6.97E-07	3.18E-07	3.14E-07	0.00E+00	0.00E+00	1.45E-07	2.61E-08	1.66E-07	2.55E-08	2.43E-08	3.86E-07	4.11E-07	1.51E-07	2.05E-07	7.66E-08	4.11E-07	1.51E-07
2679	490360	3859010	2.04E-03	1.99E-03	1.96E-03	7.05E-07	2.13E-06	1.23E-06	1.20E-06	1.09E-06	4.97E-07	4.91E-07	0.00E+00	0.00E+00	2.27E-07	4.08E-08	2.59E-07	3.99E-08	3.80E-08	6.04E-07	6.43E-07	2.36E-07	3.21E-07	1.20E-07	6.43E-07	2.36E-07
2680	490410	3859010	1.94E-03	1.90E-03	1.87E-03	6.73E-07	2.03E-06	1.18E-06	1.15E-06	1.04E-06	4.75E-07	4.68E-07	0.00E+00	0.00E+00	2.16E-07	3.90E-08	2.47E-07	3.81E-08	3.63E-08	5.77E-07	6.14E-07	2.25E-07	3.06E-07	1.14E-07	6.14E-07	2.25E-07
2681	490460	3859010	1.85E-03	1.80E-03	1.78E-03	6.40E-07	1.93E-06	1.12E-06	1.09E-06	9.89E-07	4.51E-07	4.45E-07	0.00E+00	0.00E+00	2.06E-07	3.70E-08	2.35E-07	3.62E-08	3.45E-08	5.48E-07	5.83E-07	2.14E-07	2.91E-07	1.09E-07	5.83E-07	2.14E-07
2682	490510	3859010	1.76E-03	1.72E-03	1.69E-03	6.09E-07	1.84E-06	1.06E-06	1.04E-06	9.42E-07	4.30E-07	4.24E-07	0.00E+00	0.00E+00	1.96E-07	3.53E-08	2.24E-07	3.45E-08	3.28E-08	5.22E-07	5.55E-07	2.04E-07	2.77E-07	1.04E-07	5.55E-07	2.04E-07
2683	490560	3859010	1.70E-03	1.66E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.00E-06	9.10E-07	4.15E-07	4.10E-07	0.00E+00	0.00E+00	1.89E-07	3.41E-08	2.16E-07	3.34E-08	3.17E-08	5.05E-07	5.37E-07	1.97E-07	2.68E-07	1.00E-07	5.37E-07	1.97E-07
2684	490610	3859010	1.62E-03	1.58E-03	1.56E-03	5.62E-07	1.70E-06	9.83E-07	9.59E-07	8.69E-07	3.97E-07	3.91E-07	0.00E+00	0.00E+00	1.81E-07	3.26E-08	2.07E-07	3.19E-08	3.03E-08	4.82E-07	5.13E-07	1.88E-07	2.56E-07	9.56E-08	5.13E-07	1.88E-07
2685	490660	3859010	1.58E-03	1.54E-03	1.52E-03	5.46E-07	1.65E-06	9.55E-07	9.32E-07	8.44E-07	3.85E-07	3.80E-07	0.00E+00	0.00E+00	1.76E-07	3.16E-08	2.01E-07	3.09E-08	2.94E-08	4.68E-07	4.98E-07	1.83E-07	2.49E-07	9.29E-08	4.98E-07	1.83E-07
2686	490710	3859010	1.51E-03	1.47E-03	1.45E-03	5.22E-07	1.57E-06	9.12E-07	8.90E-07	8.07E-07	3.68E-07	3.63E-07	0.00E+00	0.00E+00	1.68E-07	3.02E-08	1.92E-07	2.96E-08	2.81E-08	4.47E-07	4.76E-07	1.74E-07	2.37E-07	8.87E-08	4.76E-07	1.74E-07
2687	490760	3859010	1.45E-03	1.41E-03	1.39E-03	5.00E-07	1.51E-06	8.75E-07	8.53E-07	7.74E-07	3.53E-07	3.48E-07	0.00E+00	0.00E+00	1.61E-07	2.90E-08	1.84E-07	2.83E-08	2.70E-08	4.29E-07	4.56E-07	1.67E-07	2.28E-07	8.51E-08	4.56E-07	1.67E-07
2688	490810	3859010	1.39E-03	1.35E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.19E-07	7.42E-07	3.39E-07	3.34E-07	0.00E+00	0.00E+00	1.54E-07	2.78E-08	1.76E-07	2.72E-08	2.59E-08	4.12E-07	4.38E-07	1.61E-07	2.18E-07	8.16E-08	4.38E-07	1.61E-07

2689	490860	3859010	1.34E-03	1.30E-03	1.29E-03	4.62E-07	1.40E-06	8.08E-07	7.89E-07	7.15E-07	3.26E-07	3.22E-07	0.00E+00	0.00E+00	1.49E-07	2.68E-08	1.70E-07	2.62E-08	2.49E-08	3.96E-07	4.22E-07	1.55E-07	2.10E-07	7.86E-08	4.22E-07	1.55E-07
2690	490360	3859060	2.15E-03	2.10E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.27E-06	1.15E-06	5.24E-07	5.17E-07	0.00E+00	0.00E+00	2.39E-07	4.30E-08	2.73E-07	4.21E-08	4.01E-08	6.37E-07	6.78E-07	2.49E-07	3.38E-07	1.26E-07	6.78E-07	2.49E-07
2691	490410	3859060	2.03E-03	1.98E-03	1.95E-03	7.01E-07	2.12E-06	1.23E-06	1.20E-06	1.08E-06	4.95E-07	4.88E-07	0.00E+00	0.00E+00	2.25E-07	4.06E-08	2.58E-07	3.97E-08	3.78E-08	6.01E-07	6.39E-07	2.34E-07	3.19E-07	1.19E-07	6.39E-07	2.34E-07
2692	490460	3859060	1.93E-03	1.88E-03	1.85E-03	6.67E-07	2.01E-06	1.17E-06	1.14E-06	1.03E-06	4.70E-07	4.64E-07	0.00E+00	0.00E+00	2.14E-07	3.86E-08	2.45E-07	3.78E-08	3.59E-08	5.71E-07	6.08E-07	2.23E-07	3.03E-07	1.13E-07	6.08E-07	2.23E-07
2693	490510	3859060	1.84E-03	1.79E-03	1.77E-03	6.37E-07	1.92E-06	1.11E-06	1.09E-06	9.84E-07	4.49E-07	4.43E-07	0.00E+00	0.00E+00	2.05E-07	3.69E-08	2.34E-07	3.61E-08	3.43E-08	5.46E-07	5.80E-07	2.13E-07	2.90E-07	1.08E-07	5.80E-07	2.13E-07
2694	490560	3859060	1.75E-03	1.71E-03	1.68E-03	6.06E-07	1.83E-06	1.06E-06	1.03E-06	9.36E-07	4.27E-07	4.22E-07	0.00E+00	0.00E+00	1.95E-07	3.51E-08	2.22E-07	3.43E-08	3.26E-08	5.19E-07	5.52E-07	2.03E-07	2.76E-07	1.03E-07	5.52E-07	2.03E-07
2695	490610	3859060	1.68E-03	1.64E-03	1.62E-03	5.83E-07	1.76E-06	1.02E-06	9.94E-07	9.01E-07	4.11E-07	4.06E-07	0.00E+00	0.00E+00	1.87E-07	3.37E-08	2.14E-07	3.30E-08	3.14E-08	5.00E-07	5.31E-07	1.95E-07	2.65E-07	9.91E-08	5.31E-07	1.95E-07
2696	490660	3859060	1.62E-03	1.58E-03	1.56E-03	5.62E-07	1.70E-06	9.83E-07	9.59E-07	8.69E-07	3.97E-07	3.91E-07	0.00E+00	0.00E+00	1.81E-07	3.25E-08	2.07E-07	3.18E-08	3.03E-08	4.82E-07	5.13E-07	1.88E-07	2.56E-07	9.56E-08	5.13E-07	1.88E-07
2697	490710	3859060	1.55E-03	1.51E-03	1.49E-03	5.36E-07	1.62E-06	9.37E-07	9.14E-07	8.28E-07	3.78E-07	3.73E-07	0.00E+00	0.00E+00	1.72E-07	3.10E-08	1.97E-07	3.04E-08	2.89E-08	4.59E-07	4.89E-07	1.79E-07	2.44E-07	9.11E-08	4.89E-07	1.79E-07
2698	490760	3859060	1.48E-03	1.45E-03	1.43E-03	5.13E-07	1.55E-06	8.96E-07	8.75E-07	7.93E-07	3.62E-07	3.57E-07	0.00E+00	0.00E+00	1.65E-07	2.97E-08	1.88E-07	2.91E-08	2.76E-08	4.40E-07	4.68E-07	1.72E-07	2.33E-07	8.72E-08	4.68E-07	1.72E-07
2699	490810	3859060	1.42E-03	1.38E-03	1.37E-03	4.91E-07	1.48E-06	8.59E-07	8.38E-07	7.60E-07	3.47E-07	3.42E-07	0.00E+00	0.00E+00	1.58E-07	2.84E-08	1.80E-07	2.78E-08	2.65E-08	4.21E-07	4.48E-07	1.64E-07	2.24E-07	8.36E-08	4.48E-07	1.64E-07
2700	490860	3859060	1.36E-03	1.33E-03	1.31E-03	4.72E-07	1.43E-06	8.26E-07	8.06E-07	7.30E-07	3.33E-07	3.29E-07	0.00E+00	0.00E+00	1.52E-07	2.73E-08	1.74E-07	2.68E-08	2.55E-08	4.05E-07	4.31E-07	1.58E-07	2.15E-07	8.03E-08	4.31E-07	1.58E-07
2701	490360	3859110	2.29E-03	2.24E-03	2.21E-03	7.93E-07	2.39E-06	1.39E-06	1.35E-06	1.23E-06	5.59E-07	5.52E-07	0.00E+00	0.00E+00	2.55E-07	4.59E-08	2.91E-07	4.49E-08	4.27E-08	6.80E-07	7.23E-07	2.65E-07	3.61E-07	1.35E-07	7.23E-07	2.65E-07
2702	490410	3859110	2.15E-03	2.10E-03	2.07E-03	7.45E-07	2.25E-06	1.30E-06	1.27E-06	1.15E-06	5.25E-07	5.18E-07	0.00E+00	0.00E+00	2.39E-07	4.31E-08	2.74E-07	4.22E-08	4.01E-08	6.39E-07	6.79E-07	2.49E-07	3.39E-07	1.27E-07	6.79E-07	2.49E-07
2703	490460	3859110	2.05E-03	2.00E-03	1.97E-03	7.09E-07	2.14E-06	1.24E-06	1.21E-06	1.10E-06	5.00E-07	4.93E-07	0.00E+00	0.00E+00	2.28E-07	4.10E-08	2.60E-07	4.02E-08	3.82E-08	6.08E-07	6.46E-07	2.37E-07	3.23E-07	1.21E-07	6.46E-07	2.37E-07
2704	490510	3859110	1.91E-03	1.87E-03	1.84E-03	6.63E-07	2.00E-06	1.16E-06	1.13E-06	1.02E-06	4.67E-07	4.61E-07	0.00E+00	0.00E+00	2.13E-07	3.84E-08	2.43E-07	3.75E-08	3.57E-08	5.68E-07	6.04E-07	2.22E-07	3.01E-07	1.13E-07	6.04E-07	2.22E-07
2705	490560	3859110	1.82E-03	1.78E-03	1.76E-03	6.31E-07	1.91E-06	1.10E-06	1.08E-06	9.76E-07	4.45E-07	4.39E-07	0.00E+00	0.00E+00	2.03E-07	3.65E-08	2.32E-07	3.58E-08	3.40E-08	5.41E-07	5.75E-07	2.11E-07	2.87E-07	1.07E-07	5.75E-07	2.11E-07
2706	490610	3859110	1.73E-03	1.69E-03	1.67E-03	6.00E-07	1.81E-06	1.05E-06	1.02E-06	9.28E-07	4.24E-07	4.18E-07	0.00E+00	0.00E+00	1.93E-07	3.48E-08	2.21E-07	3.40E-08	3.24E-08	5.15E-07	5.47E-07	2.01E-07	2.73E-07	1.02E-07	5.47E-07	2.01E-07
2707	490660	3859110	1.65E-03	1.61E-03	1.59E-03	5.70E-07	1.72E-06	9.96E-07	9.72E-07	8.81E-07	4.02E-07	3.97E-07	0.00E+00	0.00E+00	1.83E-07	3.30E-08	2.09E-07	3.23E-08	3.07E-08	4.89E-07	5.20E-07	1.91E-07	2.59E-07	9.69E-08	5.20E-07	1.91E-07
2708	490710	3859110	1.59E-03	1.55E-03	1.53E-03	5.49E-07	1.66E-06	9.60E-07	9.36E-07	8.49E-07	3.87E-07	3.82E-07	0.00E+00	0.00E+00	1.77E-07	3.18E-08	2.02E-07	3.11E-08	2.96E-08	4.71E-07	5.01E-07	1.84E-07	2.50E-07	9.34E-08	5.01E-07	1.84E-07
2709	490760	3859110	1.52E-03	1.48E-03	1.46E-03	5.26E-07	1.59E-06	9.20E-07	8.97E-07	8.13E-07	3.71E-07	3.66E-07	0.00E+00	0.00E+00	1.69E-07	3.05E-08	1.93E-07	2.98E-08	2.84E-08	4.51E-07	4.80E-07	1.76E-07	2.39E-07	8.95E-08	4.80E-07	1.76E-07
2710	490810	3859110	1.45E-03	1.42E-03	1.40E-03	5.03E-07	1.52E-06	8.78E-07	8.57E-07	7.77E-07	3.55E-07	3.50E-07	0.00E+00	0.00E+00	1.62E-07	2.91E-08	1.85E-07	2.85E-08	2.71E-08	4.31E-07	4.58E-07	1.68E-07	2.29E-07	8.55E-08	4.58E-07	1.68E-07
2711	490860	3859110	1.39E-03	1.36E-03	1.34E-03	4.81E-07	1.45E-06	8.41E-07	8.21E-07	7.44E-07	3.39E-07	3.35E-07	0.00E+00	0.00E+00	1.55E-07	2.79E-08	1.77E-07	2.73E-08	2.59E-08	4.12E-07	4.39E-07	1.61E-07	2.19E-07	8.18E-08	4.39E-07	1.61E-07
2712	490360	3859160	2.47E-03	2.41E-03	2.38E-03	8.55E-07	2.58E-06	1.49E-06	1.46E-06	1.32E-06	6.03E-07	5.95E-07	0.00E+00	0.00E+00	2.75E-07	4.95E-08	3.14E-07	4.84E-08	4.61E-08	7.33E-07	7.79E-07	2.86E-07	3.89E-07	1.45E-07	7.79E-07	2.86E-07
2713	490410	3859160	2.31E-03	2.26E-03	2.23E-03	8.01E-07	2.42E-06	1.40E-06	1.37E-06	1.24E-06	5.65E-07	5.57E-07	0.00E+00	0.00E+00	2.58E-07	4.64E-08	2.94E-07	4.54E-08	4.32E-08	6.87E-07	7.30E-07	2.68E-07	3.64E-07	1.36E-07	7.30E-07	2.68E-07
2714	490460	3859160	2.18E-03	2.13E-03	2.10E-03	7.54E-07	2.28E-06	1.32E-06	1.29E-06	1.17E-06	5.32E-07	5.25E-07	0.00E+00	0.00E+00	2.43E-07	4.37E-08	2.77E-07	4.27E-08	4.07E-08	6.47E-07	6.88E-07	2.52E-07	3.43E-07	1.28E-07	6.88E-07	2.52E-07
2715	490510	3859160	2.05E-03	2.00E-03	1.98E-03	7.11E-07	2.15E-06	1.24E-06	1.21E-06	1.10E-06	5.01E-07	4.95E-07	0.00E+00	0.00E+00	2.29E-07	4.11E-08	2.61E-07	4.03E-08	3.83E-08	6.09E-07	6.48E-07	2.38E-07	3.23E-07	1.21E-07	6.48E-07	2.38E-07
2716	490560	3859160	1.93E-03	1.88E-03	1.85E-03	6.67E-07	2.01E-06	1.17E-06	1.14E-06	1.03E-06	4.70E-07	4.64E-07	0.00E+00	0.00E+00	2.14E-07	3.86E-08	2.45E-07	3.78E-08	3.59E-08	5.71E-07	6.08E-07	2.23E-07	3.03E-07	1.13E-07	6.08E-07	2.23E-07
2717	490610	3859160	1.83E-03	1.79E-03	1.77E-03	6.35E-07	1.92E-06	1.11E-06	1.08E-06	9.82E-07	4.48E-07	4.42E-07	0.00E+00	0.00E+00	2.04E-07	3.68E-08	2.33E-07	3.60E-08	3.42E-08	5.44E-07	5.79E-07	2.12E-07	2.89E-07	1.08E-07	5.79E-07	2.12E-07
2718	490660	3859160	1.70E-03	1.66E-03	1.64E-03	5.90E-07	1.78E-06	1.03E-06	1.01E-06	9.12E-07	4.16E-07	4.11E-07	0.00E+00	0.00E+00	1.90E-07	3.42E-08	2.17E-07	3.34E-08	3.18E-08	5.06E-07	5.38E-07	1.97E-07	2.68E-07	1.00E-07	5.38E-07	1.97E-07
2719	490710	3859160	1.64E-03	1.60E-03	1.58E-03	5.66E-07	1.71E-06	9.90E-07	9.66E-07	8.76E-07	4.00E-07	3.94E-07	0.00E+00	0.00E+00	1.82E-07	3.28E-08	2.08E-07	3.21E-08	3.05E-08	4.86E-07	5.16E-07	1.89E-07	2.58E-07	9.63E-08	5.16E-07	1.89E-07
2720	490760	3859160	1.55E-03	1.51E-03	1.49E-03	5.36E-07	1.62E-06	9.37E-07	9.14E-07	8.28E-07	3.78E-07	3.73E-07	0.00E+00	0.00E+00	1.72E-07	3.10E-08	1.97E-07	3.04E-08	2.89E-08	4.59E-07	4.89E-07	1.79E-07	2.44E-07	9.11E-08	4.89E-07	1.79E-07
2721	490810	3859160	1.49E-03	1.45E-03	1.43E-03	5.16E-07	1.56E-06	9.01E-07	8.79E-07	7.97E-07	3.64E-07	3.59E-07	0.00E+00	0.00E+00	1.66E-07	2.98E-08	1.89E-07	2.92E-08	2.78E-08	4.42E-07	4.70E-07	1.72E-07	2.35E-07	8.77E-08	4.70E-07	1.72E-07
2722	490860	3859160	1.43E-03	1.40E-03	1.38E-03	4.96E-07	1.50E-06	8.67E-07	8.46E-07	7.67E-07	3.50E-07	3.45E-07	0.00E+00	0.00E+00	1.59E-07	2.87E-08	1.82E-07	2.81E-08	2.67E-08	4.25E-07	4.52E-07	1.66E-07	2.26E-07	8.43E-08	4.52E-07	1.66E-07
2723	490360	3859210	2.68E-03	2.62E-03	2.58E-03	9.29E-07	2.80E-06	1.62E-06	1.58E-06	1.44E-06	6.55E-07	6.47E-07	0.00E+00	0.00E+00	2.99E-07	5.38E-08	3.41E-07	5.26E-08	5.01E-08	7.96E-07	8.47E-07	3.11E-07	4.23E-07	1.58E-07	8.47E-07	3.11E-07
2724	490410	3859210	2.54E-03	2.48E-03	2.45E-03	8.79E-07	2.65E-06	1.54E-06	1.50E-06	1.36E-06	6.20E-07	6.12E-07	0.00E+00	0.00E+00	2.83E-07	5.09E-08	3.23E-07	4.98E-08	4.74E-08	7.54E-07	8.02E-07	2.94E-07	4.00E-07	1.50E-07	8.02E-07	2.94E-07
2725	490460	3859210	2.34E-03	2.28E-03	2.25E-03	8.09E-07	2.44E-06	1.41E-06	1.38E-06	1.25E-06	5.71E-07	5.63E-07	0.00E+00	0.00E+00	2.60E-07	4.68E-08	2.97E-07	4.58E-08	4.36E-08	6.94E-07	7.38E-07	2.71E-07	3.68E-07	1.38E-07	7.38E-07	2.71E-07
2726	490510	3859210	2.19E-03	2.14E-03	2.11E-03	7.58E-07	2.29E-06	1.32E-06	1.29E-06	1.17E-06	5.34E-07	5.27E-07	0.00E+00	0.00E+00	2.44E-07	4.39E-08	2.78E-07	4.29E-08	4.08E-08	6.50E-07	6.91E-07	2.53E-07	3.45E-07	1.29E-07	6.91E-07	2.53E-07
2727	490560	3859210	2.08E-03	2.03E-03	2.00E-03	7.19E-07	2.17E-06	1.26E-06	1.23E-06	1.11E-06	5.07E-07	5.00E-07	0.00E+00	0.00E+00	2.31E-07	4.16E-08	2.64E-07	4.07E-08	3.88E-08	6.16E-07	6.55E-07	2.40E-07	3.27E-07	1.22E-07	6.55E-07	2.40E-07
2728	490610	3859210	1.96E-03	1.91E-03	1.88E-03	6.77E-07	2.04E-06	1.18E-06	1.15E-06	1.05E-06	4.78E-07	4.71E-07	0.00E+00	0.00E+00	2.18E-07	3.92E-08	2.49E-07	3.84E-08	3.65E-08	5.80E-07	6.17E-07	2.26E-07	3.08E-07	1.15E-07	6.17E-07	2.26E-07
2729	490660	3859210	1.82E-03	1.77E-03	1.75E-03	6.29E-07	1.90E-06	1.10E-06	1.07E-06	9.73E-07	4.44E-07	4.38E-07	0.00E+00	0.00E+00	2.02E-07	3.64E-08	2.31E-07	3.56E-08	3.39E-08	5.39E-07	5.74E-07	2.10E-07	2.86E-07	1.07E-07	5.74E-07	2.10E-07
2730	490710	3859210	1.72E-03	1.68E-03	1.66E-03	5.97E-07	1.80E-06	1.04E-06	1.02E-06	9.23E-07	4.21E-07	4.16E-07	0.00E+00	0.00E+00	1.92E-07	3.46E-08	2.19E-07	3.38E-08	3.22E-08	5.12E-07	5.44E-07	2.00E-07	2.72E-07	1.02E-07	5.44E-07	2.00E-07
2731	490760	3859210	1.63E-03	1.59E-03	1.57E-03	5.65E-07	1.71E-06	9.88E-07	9.64E-07	8.74E-07	3.99E-07	3.93E-07	0.00E+00	0.00E+00	1.82E-07	3.27E-08	2.08E-07	3.20E-08	3.05E-08	4.84E-07	5.15E-07	1.89E-07	2.57E-07	9.61E-08	5.15E-07	1.89E-07
2732	490810	3859210	1.59E-03	1.55E-03	1.53E-03	5.49E-07	1.66E-06	9.60E-07	9.37E-07	8.49E-07	3.87E-07	3.82E-07	0.00E+00	0.00E+00	1.77E-07	3.18E-08	2.02E-07	3.11E-08	2.96E-08	4.71E-07	5.01E-07	1.84E-07	2.50E-07	9.34E-08	5.01E-07	1.84E-07
2733	490860	3859210	1.54E-03	1.50E-03	1.48E-03	5.34E-07	1.61E-06	9.33E-07	9.10E-07	8.25E-07	3.77E-07	3.72E-07	0.00E+00	0.00E+00	1.72E-07	3.09E-08	1.96E-07	3.02E-08	2.88E-08	4.58E-07	4.87E-07	1.78E-07	2.43E-07	9.08E-08	4.87E-07	1.78E-07
2734	490360	3859260	2.92E-03	2.85E-03	2.81E-03	1.01E-06	3.06E-06	1.77E-06	1.73E-06	1.56E-06	7.14E-07	7.04E-07	0.00E+00	0.00E+00	3.25E-07	5.86E-08	3.72E-07	5.73E-08	5.45E-08	8.68E-07	9.23E-07	3.38E-07	4.61E-07	1.72E-07	9.23E-07	3.38E-07
2735	490410	3859260	2.74E-03	2.67E-03	2.64E-03	9.48E-07	2.86E-06	1.66E-06	1.62E-06	1.47E-06	6.69E-07	6.60E-07	0.00E+00	0.00E+00	3.05E-07	5.49E-08	3.48E-07	5.37E-08	5.11E-08	8.13E-07	8.64E-07	3.17E-07	4.31E-07	1.61E-07	8.64E-07	3.17E-07
2736	490460	3859260	2.59E-03	2.52E-03	2.49E-03	8.96E-07	2.70E-06	1.57E-06	1.53E-06	1.38E-06	6.32E-07	6.23E-07	0.00E+00	0.00E+00	2.88E-07	5.18E-08	3.29E-07	5.07E-08	4.83E-08	7.68E-07	8.17E-07	2.99E-07	4.08E-07	1.52E-07	8.17E-07	2.99E-07
2737	490510	3859260	2.44E-03	2.39E-03	2.35E-03	8.46E-07	2.55E-06	1.48E-06	1.44E-06	1.31E-06	5.97E-07	5.89E-07	0.00E+00	0.00E+00	2.72E-07	4.90E-08	3.11E-07	4.79E-08	4.56E-08	7.26E-07	7.72E-07	2.83E-07	3.85E-07	1.44E-07	7.72E-07	2.83E-07
2738	490560	3859260	2.29E-03	2.23E-03	2.20E-03	7.93E-07	2.39E-06	1.39E-06	1.35E-06	1.23E-06	5.59E-07	5.52E-07	0.00E+00	0.00E+00	2.55E-07	4.59E-08	2.91E-07	4.49E-08	4.27E-08	6.80E-07	7.23E-07	2.65E-07	3.61E-07	1.35E-07	7.23E-07	2.65E-07
2739	490610	3859260	2.12E-03	2.07E-03	2.04E-03	7.33E-07	2.21E-06	1.28E-06	1.25E-06	1.13E-06	5.17E-07	5.10E-07	0.00E+00	0.00E+00	2.36E-07	4.25E-08	2.69E-07	4.15E-08	3.95E-08	6.29E-07	6.69E-07	2.45E-07	3.34E-07	1.25E-07	6.69E-07	2.45E-07
2740	490660	3859260	2.04E-03	1.99E-03	1.96E-03	7.06E-07	2.13E-06	1.23E-06	1.20E-06	1.09E-06	4.98E-07	4.91E-07	0.00E+00	0.00E+00	2.27E-07	4.09E-08	2.59E-07	4.00E-08	3.81E-08	6.05E-07	6.44E-07	2.36E-07	3.21E-07	1.20E-07	6.44E-07	2.36E-07
2741	490710	3859260	1.93E-03	1.88E-03	1.86E-03	6.69E-07	2.02E-06	1.17E-06	1.14E-06	1.03E-06	4.72E-07	4.65E-07	0.00E+00	0.00E+00	2.15E-07	3.87E-08	2.46E-07	3.79E-08	3.60E-08	5.73E-07	6.10E-07	2.24E-07	3.04E-07	1.14E-07	6.10E-07	2.24E-07
2742	490760	3859260	1.81E-03	1.77E-03	1.74E-03	6.27E-07	1.89E-06	1.10E-06	1.07E-06	9.69E-07	4.42E-07	4.36E-07	0.00E+00	0.00E+00	2.02E-07	3.63E-08	2.30E-07	3.55E-08	3.38E-08	5.37E-07	5.71E-07	2.10E-07	2.85E-07	1.07E-07	5.71E-07	2.10E-07
2743	490810	3859260	1.75E-03	1.70E-03	1.68E-03	6.04E-07	1.83E-06	1.06E-06	1.03E-06	9.35E-07	4.26E-07	4.21E-07	0.00E+00	0.00E+00	1.94E-07	3.50E-08	2.22E-07	3.42E-08	3.26E-08	5.18E-07	5.51E-07	2.02E-07	2.75E-07	1.03E-07	5.51E-07	2.02E-07
2744	490860	3859260	1.69E-03	1.65E-03	1.62E-03	5.84E-07	1.76E-06	1.02E-06	9.96E-07	9.03E-07	4.12E-07	4.06E-07	0.00E+00	0.00E+00	1.88E-07	3.38E-08	2.14E-07	3.31E-08	3.15E-08	5.01E-07	5.32E-07	1.95E-07	2.66E-07	9.93E-08	5.32E-07	1.95E-07
2745	490360	3859310	3.28E-03	3.20E-03	3.16E-03	1.14E-06	3.43E-06	1.99E-06	1.94E-06	1.76E-06	8.01E-07	7.91E-07	0.00E+00	0.00E+00	3.65E-07	6.58E-08	4.17E-07	6.43E-08	6.12E-08	9.74E-07	1.04E-06	3.80E-07	5.17E-07	1.93E-07	1.04E-06	3.80E-07
2746	490410	3859310	3.05E-03	2.98E-03	2.94E-03	1.06E-06	3.19E-06	1.85E-06	1.80E-06	1.63E-06	7.46E-07	7.36E-07	0.00E+00	0.00E+00	3.40E-07	6.12E-08	3.88E-07	5.99E-08	5.70E-08	9.07E-07	9.64E-07	3.54E-07	4.81E-07	1.80E-07	9.64E-07	3.54E-07
2747	490460	3859310	2.86E-03	2.79E-03	2.76E-03	9.91E-07	2.99E-06	1.73E-06	1.69E-06	1.53E-06	6.99E-07	6.90E-07	0.00E+00	0.00E+00	3.19E-07	5.74E-08	3.64E-07	5.61E-08	5.34E-08	8.50E-07	9.03E-07	3.31E-07	4.51E-07	1.68E-07	9.03E-07	3.31E-07
2748	490510	3859310	2.71E-03	2.64E-03	2.61E-03	9.37E-07	2.83E-06	1.64E-06	1.60E-06	1.45E-06	6.61E-07	6.53E-07	0.00E+00	0.00E+00	3.01E-07	5.43E-08	3.44E-07	5.31E-08	5.05E-08	8.04E-07	8.55E-07	3.13E-07	4.27E-07	1.59E-07	8.55E-07	3.13E-07
2749	490560	3859310	2.56E-03	2.50E-03	2.46E-03	8.86E-07	2.68E-06	1.55E-06	1.51E-06	1.37E-06	6.25E-07	6.17E-07	0.00E+00	0.00E+00	2.85E-07	5.13E-08	3.26E-07	5.02E-08	4.78E-08	7.60E-07	8.08E-07	2.96E-07	4.03E-07	1.51E-07	8.08E-07	2.96E-07
2750	490610	3859310	2.43E-03	2.37E-03	2.34E-03	8.42E-07	2.54E-06	1.47E-06	1.44E-06	1.30E-06	5.94E-07	5.86E-07	0.00E+00	0.00E+00	2.71E-07	4.88E-08	3.09E-07	4.77E-08	4.54E-08	7.22E-07	7.68E-07	2.82E-07	3.83E-07	1.43E-07	7.68E-07	2.82E-07
2751	490660	3859310	2.30E-03	2.24E-03	2.22E-03	7.96E-07	2.40E-06	1.39E-06	1.36E-06	1.23E-06	5.62E-07	5.54E-07	0.00E+00	0.00E+00	2.56E-07	4.61E-08	2.93E-07	4.51E-08	4.29E-08	6.83E-07	7.26E-07	2.66E-07	3.62E-07	1.35E-07	7.26E-07	2.66E-07
2752	490710	3859310	2.13E-03	2.08E-03	2.05E-03	7.37E-07	2.22E-06	1.29E-06	1.26E-06	1.14E-06	5.20E-07	5.13E-07	0.00E+00	0.00E+00	2.37E-07	4.27E-08	2.71E-07	4.17E-08	3.97E-08	6.32E-07	6.72E-07	2.46E-07	3.35E-07	1.25E-07	6.72E-07	2.46E-07
2753	490760	3859310	2.02E-03	1.97E-03	1.94E-03	6.98E-07	2.11E-06	1.22E-06	1.19E-06	1.08E-06	4.92E-07	4.86E-07	0.00E+00	0.00E+00	2.24E-07	4.04E-08	2.56E-07	3.95E-08	3.76E-08	5.98E-07	6.36E-07	2.33E-07	3.18E-07	1.19E-07	6.36E-07	2.33E-07
2754	490810	3859310	1.93E-03	1.89E-03	1.86E-03	6.70E-07	2.02E-06	1.17E-06	1.14E-06	1.04E-06	4.73E-07	4.66E-07	0.00E+00	0.00E+00	2.15E-07	3.88E-08	2.46E-07	3.79E-08	3.61E-08	5.74E-07	6.11E-07	2.24E-07	3.05E-07	1.14E-07	6.11E-07	2.24E-07
2755	490860	3859310	1.84E-03	1.80E-03	1.77E-03	6.38E-07	1.93E-06	1.12E-06	1.09E-06	9.87E-07	4.50E-07	4.44E-07	0.00E+00	0.00E+00	2.05E-07	3.69E-08	2.34E-07	3.61E-08	3.44E-08	5.47E-07	5.82E-07	2.13E-07	2.90E-07	1.09E-07	5.82E-07	2.13E-07
2756	490360	3859360	3.75E-03	3.65E-03	3.61E-03	1.30E-06	3.91E-06	2.27E-06	2.21E-06	2.00E-06	9.15E-07	9.02E-07	0.00E+00	0.00E+00	4.17E-07	7.51E-08	4.76E-07	7.34E-08	6.99E-08	1.11E-06	1.18E-06	4.34E-07	5.90E-07	2.20E-07	1.18E-06	4.34E-07
2757	490410	3859360	3.49E-03	3.41E-03	3.36E-03	1.21E-06	3.65E-06	2.11E-06	2.06E-06	1.87E-06	8.53E-07	8.42E-07	0.00E+00	0.00E+00	3.89E-07	7.00E-08	4.44E-07	6.85E-08	6.52E-08	1.04E-06	1.10E-06	4.05E-07	5.51E-07	2.06E-07	1.10E-06	4.05E-07
2758	490460	3859360	3.28E-03	3.20E-03	3.16E-03	1.13E-06	3.43E-06	1.98E-06	1.94E-06	1.75E-06	8.01E-07	7.90E-07	0.00E+00	0.00E+00	3.65E-07	6.57E-08	4.17E-07	6.43E-08	6.12E-08	9.73E-07	1.03E-06	3.80E-07	5.17E-07	1.93E-07	1.03E-06	3.80E-07
2759	490510	3859360	3.08E-03	3.01E-03	2.97E-03	1.07E-06	3.22E-06	1.87E-06	1.82E-06	1.65E-06	7.53E-07	7.43E-07	0.00E+00	0.00E+00	3.43E-07	6.18E-08	3.92E-07	6.05E-08	5.75E-08	9.15E-07	9.73E-07	3.57E-07	4.86E-07	1.81E-07	9.73E-07	3.57E-07
2760	490560	3859360	2.88E-03	2.81E-03	2.77E-03	9.97E-07	3.01E-06	1.74E-06	1.70E-06	1.54E-06	7.04E-07	6.94E-07	0.00E+00	0.00E+00	3.21E-07	5.77E-08	3.66E-07	5.65E-08	5.38E-08	8.55E-07	9.09E-07	3.33E-07	4.54E-07	1.70E-07	9.09E-07	3.33E-07
2761	490610	3859360	2.70E-03	2.64E-03	2.60E-03	9.35E-07	2.82E-06	1.63E-06	1.60E-06	1.45E-06	6.60E-07	6.51E-07	0.00E+00	0.00E+00	3.01E-07	5.41E-08	3.44E-07	5.30E-08	5.04E-08	8.02E-07	8.53E-07	3.13E-07	4.26E-07	1.59E-07	8.53E-07	3.13E-07
2762	490660	3859360	2.55E-03	2.49E-03	2.46E-03	8.84E-07	2.67E-06	1.54E-06	1.51E-06	1.37E-06	6.23E-07	6.15E-07	0.00E+00	0.00E+00	2.84E-07	5.12E-08	3.25E-07	5.01E-08	4.76E-08	7.58E-07	8.06E-07	2.96E-07	4.02E-07	1.50E-07	8.06E-07	2.96E-07
2763	490710	3859360	2.39E-03	2.33E-03	2.30E-03	8.27E-07	2.50E-06	1.45E-06	1.41E-06	1.28E-06	5.84E-07	5.76E-07	0.00E+00	0.00E+00	2.66E-07	4.79E-08	3.04E-07	4.69E-08	4.46E-08	7.09E-07	7.54E-07	2.77E-07	3.76E-07	1.41E-07	7.54E-07	2.77E-07
2764	490760	3859360	2.24E-03	2.18E-03	2.15E-03	7.75E-07	2.34E-06	1.35E-06	1.32E-06	1.20E-06	5.47E-07	5.39E-07	0.00E+00	0.00E+00	2.49E-07	4.48E-08	2.85E-07	4.39E-08	4.18E-08	6.64E-07	7.06E-07	2.59E-07	3.53E-07	1.32E-07	7.06E-07	2.59E-07
2765	490810	3859360	2.16E-03	2.10E-03	2.08E-03	7.47E-07	2.25E-06	1.30E-06	1.27E-06	1.15E-06	5.27E-07	5.20E-07	0.00E+00	0.00E+00	2.40E-07	4.32E-08	2.74E-07	4.23E-08	4.02E-08	6.40E-07	6.81E-07	2.50E-07	3.40E-07	1.27E-07	6.81E-07	2.50E-07

2766	490860	3859360	2.05E-03	2.00E-03	1.98E-03	7.11E-07	2.15E-06	1.24E-06	1.21E-06	1.10E-06	5.02E-07	4.95E-07	0.00E+00	0.00E+00	2.29E-07	4.12E-08	2.61E-07	4.03E-08	3.83E-08	6.10E-07	6.48E-07	2.38E-07	3.24E-07	1.21E-07	6.48E-07	2.38E-07
2767	490360	3859410	4.36E-03	4.25E-03	4.20E-03	1.51E-06	4.56E-06	2.64E-06	2.57E-06	2.33E-06	1.06E-06	1.05E-06	0.00E+00	0.00E+00	4.85E-07	8.74E-08	5.54E-07	8.55E-08	8.14E-08	1.29E-06	1.38E-06	5.05E-07	6.87E-07	2.57E-07	1.38E-06	5.05E-07
2768	490410	3859410	4.05E-03	3.95E-03	3.90E-03	1.40E-06	4.24E-06	2.45E-06	2.39E-06	2.17E-06	9.90E-07	9.76E-07	0.00E+00	0.00E+00	4.51E-07	8.12E-08	5.15E-07	7.95E-08	7.56E-08	1.20E-06	1.28E-06	4.69E-07	6.38E-07	2.39E-07	1.28E-06	4.69E-07
2769	490460	3859410	3.78E-03	3.69E-03	3.64E-03	1.31E-06	3.95E-06	2.29E-06	2.23E-06	2.02E-06	9.23E-07	9.10E-07	0.00E+00	0.00E+00	4.21E-07	7.57E-08	4.80E-07	7.41E-08	7.05E-08	1.12E-06	1.19E-06	4.37E-07	5.95E-07	2.22E-07	1.19E-06	4.37E-07
2770	490510	3859410	3.53E-03	3.44E-03	3.40E-03	1.22E-06	3.69E-06	2.14E-06	2.08E-06	1.89E-06	8.62E-07	8.51E-07	0.00E+00	0.00E+00	3.93E-07	7.07E-08	4.49E-07	6.92E-08	6.59E-08	1.05E-06	1.11E-06	4.09E-07	5.56E-07	2.08E-07	1.11E-06	4.09E-07
2771	490560	3859410	3.31E-03	3.23E-03	3.19E-03	1.15E-06	3.46E-06	2.00E-06	1.95E-06	1.77E-06	8.08E-07	7.97E-07	0.00E+00	0.00E+00	3.68E-07	6.63E-08	4.21E-07	6.49E-08	6.17E-08	9.82E-07	1.04E-06	3.83E-07	5.21E-07	1.95E-07	1.04E-06	3.83E-07
2772	490610	3859410	3.11E-03	3.03E-03	2.99E-03	1.08E-06	3.25E-06	1.88E-06	1.83E-06	1.66E-06	7.59E-07	7.49E-07	0.00E+00	0.00E+00	3.46E-07	6.23E-08	3.95E-07	6.09E-08	5.80E-08	9.22E-07	9.81E-07	3.60E-07	4.90E-07	1.83E-07	9.81E-07	3.60E-07
2773	490660	3859410	2.89E-03	2.82E-03	2.78E-03	9.99E-07	3.02E-06	1.75E-06	1.70E-06	1.54E-06	7.05E-07	6.95E-07	0.00E+00	0.00E+00	3.21E-07	5.78E-08	3.67E-07	5.66E-08	5.38E-08	8.56E-07	9.11E-07	3.34E-07	4.54E-07	1.70E-07	9.11E-07	3.34E-07
2774	490710	3859410	2.70E-03	2.63E-03	2.60E-03	9.34E-07	2.82E-06	1.63E-06	1.59E-06	1.44E-06	6.59E-07	6.50E-07	0.00E+00	0.00E+00	3.00E-07	5.41E-08	3.43E-07	5.29E-08	5.04E-08	8.01E-07	8.52E-07	3.12E-07	4.25E-07	1.59E-07	8.52E-07	3.12E-07
2775	490760	3859410	2.51E-03	2.45E-03	2.42E-03	8.69E-07	2.62E-06	1.52E-06	1.48E-06	1.34E-06	6.13E-07	6.05E-07	0.00E+00	0.00E+00	2.79E-07	5.03E-08	3.19E-07	4.92E-08	4.68E-08	7.45E-07	7.92E-07	2.91E-07	3.95E-07	1.48E-07	7.92E-07	2.91E-07
2776	490810	3859410	2.41E-03	2.35E-03	2.32E-03	8.33E-07	2.52E-06	1.46E-06	1.42E-06	1.29E-06	5.88E-07	5.80E-07	0.00E+00	0.00E+00	2.68E-07	4.82E-08	3.06E-07	4.72E-08	4.49E-08	7.14E-07	7.60E-07	2.79E-07	3.79E-07	1.42E-07	7.60E-07	2.79E-07
2777	490860	3859410	2.32E-03	2.27E-03	2.24E-03	8.04E-07	2.43E-06	1.41E-06	1.37E-06	1.24E-06	5.68E-07	5.60E-07	0.00E+00	0.00E+00	2.59E-07	4.66E-08	2.96E-07	4.56E-08	4.34E-08	6.90E-07	7.33E-07	2.69E-07	3.66E-07	1.37E-07	7.33E-07	2.69E-07
2778	490360	3859460	5.22E-03	5.09E-03	5.03E-03	1.81E-06	5.46E-06	3.16E-06	3.08E-06	2.79E-06	1.28E-06	1.26E-06	0.00E+00	0.00E+00	5.81E-07	1.05E-07	6.64E-07	1.02E-07	9.74E-08	1.55E-06	1.65E-06	6.04E-07	8.23E-07	3.07E-07	1.65E-06	6.04E-07
2779	490410	3859460	4.78E-03	4.66E-03	4.60E-03	1.65E-06	4.99E-06	2.89E-06	2.82E-06	2.56E-06	1.17E-06	1.15E-06	0.00E+00	0.00E+00	5.32E-07	9.57E-08	6.07E-07	9.37E-08	8.91E-08	1.42E-06	1.51E-06	5.53E-07	7.52E-07	2.81E-07	1.51E-06	5.53E-07
2780	490460	3859460	4.42E-03	4.32E-03	4.26E-03	1.53E-06	4.62E-06	2.68E-06	2.61E-06	2.37E-06	1.08E-06	1.07E-06	0.00E+00	0.00E+00	4.92E-07	8.87E-08	5.63E-07	8.67E-08	8.25E-08	1.31E-06	1.40E-06	5.12E-07	6.97E-07	2.60E-07	1.40E-06	5.12E-07
2781	490510	3859460	4.11E-03	4.01E-03	3.96E-03	1.42E-06	4.29E-06	2.49E-06	2.43E-06	2.20E-06	1.00E-06	9.90E-07	0.00E+00	0.00E+00	4.57E-07	8.23E-08	5.22E-07	8.06E-08	7.66E-08	1.22E-06	1.30E-06	4.76E-07	6.47E-07	2.42E-07	1.30E-06	4.76E-07
2782	490560	3859460	3.83E-03	3.74E-03	3.69E-03	1.33E-06	4.01E-06	2.32E-06	2.26E-06	2.05E-06	9.36E-07	9.23E-07	0.00E+00	0.00E+00	4.27E-07	7.68E-08	4.87E-07	7.51E-08	7.15E-08	1.14E-06	1.21E-06	4.44E-07	6.04E-07	2.26E-07	1.21E-06	4.44E-07
2783	490610	3859460	3.57E-03	3.48E-03	3.44E-03	1.24E-06	3.73E-06	2.16E-06	2.11E-06	1.91E-06	8.71E-07	8.60E-07	0.00E+00	0.00E+00	3.97E-07	7.15E-08	4.54E-07	7.00E-08	6.66E-08	1.06E-06	1.13E-06	4.13E-07	5.62E-07	2.10E-07	1.13E-06	4.13E-07
2784	490660	3859460	3.32E-03	3.24E-03	3.20E-03	1.15E-06	3.47E-06	2.01E-06	1.96E-06	1.78E-06	8.11E-07	8.01E-07	0.00E+00	0.00E+00	3.70E-07	6.66E-08	4.23E-07	6.52E-08	6.20E-08	9.86E-07	1.05E-06	3.85E-07	5.23E-07	1.96E-07	1.05E-06	3.85E-07
2785	490710	3859460	3.12E-03	3.04E-03	3.00E-03	1.08E-06	3.26E-06	1.89E-06	1.84E-06	1.67E-06	7.62E-07	7.52E-07	0.00E+00	0.00E+00	3.47E-07	6.25E-08	3.97E-07	6.12E-08	5.82E-08	9.26E-07	9.85E-07	3.61E-07	4.92E-07	1.84E-07	9.85E-07	3.61E-07
2786	490760	3859460	2.92E-03	2.85E-03	2.82E-03	1.01E-06	3.06E-06	1.77E-06	1.73E-06	1.57E-06	7.14E-07	7.05E-07	0.00E+00	0.00E+00	3.26E-07	5.86E-08	3.72E-07	5.74E-08	5.46E-08	8.68E-07	9.23E-07	3.39E-07	4.61E-07	1.72E-07	9.23E-07	3.39E-07
2787	490810	3859460	2.75E-03	2.68E-03	2.65E-03	9.52E-07	2.87E-06	1.66E-06	1.62E-06	1.47E-06	6.71E-07	6.62E-07	0.00E+00	0.00E+00	3.06E-07	5.51E-08	3.50E-07	5.39E-08	5.13E-08	8.16E-07	8.68E-07	3.18E-07	4.33E-07	1.62E-07	8.68E-07	3.18E-07
2788	490860	3859460	2.63E-03	2.57E-03	2.53E-03	9.10E-07	2.75E-06	1.59E-06	1.55E-06	1.41E-06	6.42E-07	6.34E-07	0.00E+00	0.00E+00	2.93E-07	5.27E-08	3.34E-07	5.16E-08	4.91E-08	7.80E-07	8.30E-07	3.04E-07	4.14E-07	1.55E-07	8.30E-07	3.04E-07
2789	490360	3859510	6.53E-03	6.37E-03	6.29E-03	2.26E-06	6.83E-06	3.95E-06	3.86E-06	3.50E-06	1.59E-06	1.57E-06	0.00E+00	0.00E+00	7.27E-07	1.31E-07	8.30E-07	1.28E-07	1.22E-07	1.94E-06	2.06E-06	7.56E-07	1.03E-06	3.84E-07	2.06E-06	7.56E-07
2790	490410	3859510	5.91E-03	5.77E-03	5.69E-03	2.05E-06	6.18E-06	3.58E-06	3.49E-06	3.16E-06	1.44E-06	1.42E-06	0.00E+00	0.00E+00	6.58E-07	1.18E-07	7.52E-07	1.16E-07	1.10E-07	1.75E-06	1.87E-06	6.84E-07	9.31E-07	3.48E-07	1.87E-06	6.84E-07
2791	490460	3859510	5.37E-03	5.24E-03	5.17E-03	1.86E-06	5.61E-06	3.25E-06	3.17E-06	2.87E-06	1.31E-06	1.29E-06	0.00E+00	0.00E+00	5.97E-07	1.08E-07	6.82E-07	1.05E-07	1.00E-07	1.59E-06	1.69E-06	6.21E-07	8.45E-07	3.16E-07	1.69E-06	6.21E-07
2792	490510	3859510	4.93E-03	4.81E-03	4.74E-03	1.71E-06	5.15E-06	2.98E-06	2.91E-06	2.64E-06	1.20E-06	1.19E-06	0.00E+00	0.00E+00	5.49E-07	9.88E-08	6.27E-07	9.66E-08	9.19E-08	1.46E-06	1.56E-06	5.70E-07	7.76E-07	2.90E-07	1.56E-06	5.70E-07
2793	490560	3859510	4.55E-03	4.44E-03	4.38E-03	1.57E-06	4.75E-06	2.75E-06	2.69E-06	2.43E-06	1.11E-06	1.10E-06	0.00E+00	0.00E+00	5.06E-07	9.12E-08	5.78E-07	8.92E-08	8.49E-08	1.35E-06	1.44E-06	5.27E-07	7.17E-07	2.68E-07	1.44E-06	5.27E-07
2794	490610	3859510	4.20E-03	4.10E-03	4.05E-03	1.45E-06	4.39E-06	2.54E-06	2.48E-06	2.25E-06	1.03E-06	1.01E-06	0.00E+00	0.00E+00	4.68E-07	8.42E-08	5.34E-07	8.24E-08	7.84E-08	1.25E-06	1.33E-06	4.86E-07	6.62E-07	2.47E-07	1.33E-06	4.86E-07
2795	490660	3859510	3.90E-03	3.80E-03	3.75E-03	1.35E-06	4.07E-06	2.36E-06	2.30E-06	2.09E-06	9.52E-07	9.39E-07	0.00E+00	0.00E+00	4.34E-07	7.81E-08	4.95E-07	7.64E-08	7.27E-08	1.16E-06	1.23E-06	4.51E-07	6.14E-07	2.29E-07	1.23E-06	4.51E-07
2796	490710	3859510	3.62E-03	3.53E-03	3.48E-03	1.25E-06	3.78E-06	2.19E-06	2.14E-06	1.94E-06	8.84E-07	8.72E-07	0.00E+00	0.00E+00	4.03E-07	7.25E-08	4.60E-07	7.10E-08	6.75E-08	1.07E-06	1.14E-06	4.19E-07	5.70E-07	2.13E-07	1.14E-06	4.19E-07
2797	490760	3859510	3.38E-03	3.30E-03	3.25E-03	1.17E-06	3.53E-06	2.04E-06	1.99E-06	1.81E-06	8.25E-07	8.14E-07	0.00E+00	0.00E+00	3.76E-07	6.77E-08	4.30E-07	6.63E-08	6.30E-08	1.00E-06	1.07E-06	3.91E-07	5.32E-07	1.99E-07	1.07E-06	3.91E-07
2798	490810	3859510	3.18E-03	3.10E-03	3.06E-03	1.10E-06	3.33E-06	1.92E-06	1.88E-06	1.70E-06	7.77E-07	7.67E-07	0.00E+00	0.00E+00	3.54E-07	6.38E-08	4.05E-07	6.24E-08	5.94E-08	9.44E-07	1.00E-06	3.68E-07	5.01E-07	1.87E-07	1.00E-06	3.68E-07
2799	490860	3859510	2.99E-03	2.92E-03	2.88E-03	1.04E-06	3.13E-06	1.81E-06	1.77E-06	1.60E-06	7.31E-07	7.21E-07	0.00E+00	0.00E+00	3.33E-07	6.00E-08	3.81E-07	5.87E-08	5.58E-08	8.88E-07	9.44E-07	3.46E-07	4.71E-07	1.76E-07	9.44E-07	3.46E-07
2800	490360	3859560	8.69E-03	8.48E-03	8.37E-03	3.01E-06	9.09E-06	5.26E-06	5.13E-06	4.65E-06	2.12E-06	2.10E-06	0.00E+00	0.00E+00	9.68E-07	1.74E-07	1.11E-06	1.71E-07	1.62E-07	2.58E-06	2.74E-06	1.01E-06	1.37E-06	5.12E-07	2.74E-06	1.01E-06
2801	490410	3859560	7.71E-03	7.52E-03	7.42E-03	2.67E-06	8.05E-06	4.66E-06	4.55E-06	4.12E-06	1.88E-06	1.86E-06	0.00E+00	0.00E+00	8.58E-07	1.54E-07	9.80E-07	1.51E-07	1.44E-07	2.29E-06	2.43E-06	8.92E-07	1.21E-06	4.54E-07	2.43E-06	8.92E-07
2802	490460	3859560	6.88E-03	6.71E-03	6.62E-03	2.38E-06	7.19E-06	4.16E-06	4.06E-06	3.68E-06	1.68E-06	1.66E-06	0.00E+00	0.00E+00	7.66E-07	1.38E-07	8.75E-07	1.35E-07	1.28E-07	2.04E-06	2.17E-06	7.96E-07	1.08E-06	4.05E-07	2.17E-06	7.96E-07
2803	490510	3859560	6.14E-03	5.99E-03	5.91E-03	2.13E-06	6.42E-06	3.72E-06	3.63E-06	3.29E-06	1.50E-06	1.48E-06	0.00E+00	0.00E+00	6.84E-07	1.23E-07	7.81E-07	1.20E-07	1.15E-07	1.82E-06	1.94E-06	7.11E-07	9.67E-07	3.61E-07	1.94E-06	7.11E-07
2804	490560	3859560	5.59E-03	5.46E-03	5.38E-03	1.94E-06	5.84E-06	3.38E-06	3.30E-06	2.99E-06	1.37E-06	1.35E-06	0.00E+00	0.00E+00	6.22E-07	1.12E-07	7.11E-07	1.10E-07	1.04E-07	1.66E-06	1.76E-06	6.47E-07	8.81E-07	3.29E-07	1.76E-06	6.47E-07
2805	490610	3859560	5.10E-03	4.98E-03	4.91E-03	1.77E-06	5.33E-06	3.09E-06	3.01E-06	2.73E-06	1.25E-06	1.23E-06	0.00E+00	0.00E+00	5.68E-07	1.02E-07	6.49E-07	1.00E-07	9.52E-08	1.51E-06	1.61E-06	5.91E-07	8.04E-07	3.00E-07	1.61E-06	5.91E-07
2806	490660	3859560	4.68E-03	4.57E-03	4.51E-03	1.62E-06	4.89E-06	2.83E-06	2.76E-06	2.51E-06	1.14E-06	1.13E-06	0.00E+00	0.00E+00	5.21E-07	9.38E-08	5.95E-07	9.18E-08	8.73E-08	1.39E-06	1.48E-06	5.42E-07	7.37E-07	2.76E-07	1.48E-06	5.42E-07
2807	490710	3859560	4.31E-03	4.20E-03	4.15E-03	1.49E-06	4.50E-06	2.61E-06	2.54E-06	2.30E-06	1.05E-06	1.04E-06	0.00E+00	0.00E+00	4.79E-07	8.63E-08	5.48E-07	8.44E-08	8.03E-08	1.28E-06	1.36E-06	4.98E-07	6.78E-07	2.53E-07	1.36E-06	4.98E-07
2808	490760	3859560	3.95E-03	3.86E-03	3.81E-03	1.37E-06	4.13E-06	2.39E-06	2.33E-06	2.12E-06	9.66E-07	9.53E-07	0.00E+00	0.00E+00	4.40E-07	7.92E-08	5.03E-07	7.75E-08	7.38E-08	1.17E-06	1.25E-06	4.58E-07	6.23E-07	2.33E-07	1.25E-06	4.58E-07
2809	490810	3859560	3.67E-03	3.58E-03	3.54E-03	1.27E-06	3.84E-06	2.22E-06	2.17E-06	1.97E-06	8.97E-07	8.85E-07	0.00E+00	0.00E+00	4.09E-07	7.36E-08	4.67E-07	7.20E-08	6.85E-08	1.09E-06	1.16E-06	4.25E-07	5.79E-07	2.16E-07	1.16E-06	4.25E-07
2810	490860	3859560	3.42E-03	3.34E-03	3.29E-03	1.18E-06	3.57E-06	2.07E-06	2.02E-06	1.83E-06	8.35E-07	8.24E-07	0.00E+00	0.00E+00	3.81E-07	6.85E-08	4.35E-07	6.70E-08	6.38E-08	1.01E-06	1.08E-06	3.96E-07	5.39E-07	2.01E-07	1.08E-06	3.96E-07
2811	490187.3	3859422	6.24E-03	6.09E-03	6.01E-03	2.16E-06	6.53E-06	3.78E-06	3.69E-06	3.34E-06	1.52E-06	1.50E-06	0.00E+00	0.00E+00	6.95E-07	1.25E-07	7.94E-07	1.22E-07	1.17E-07	1.85E-06	1.97E-06	7.23E-07	9.84E-07	3.68E-07	1.97E-06	7.23E-07
2812	490237.3	3859422	5.64E-03	5.51E-03	5.44E-03	1.95E-06	5.90E-06	3.42E-06	3.33E-06	3.02E-06	1.38E-06	1.36E-06	0.00E+00	0.00E+00	6.28E-07	1.13E-07	7.18E-07	1.11E-07	1.05E-07	1.68E-06	1.78E-06	6.53E-07	8.89E-07	3.32E-07	1.78E-06	6.53E-07
2813	490287.3	3859422	5.14E-03	5.02E-03	4.95E-03	1.78E-06	5.38E-06	3.11E-06	3.04E-06	2.75E-06	1.26E-06	1.24E-06	0.00E+00	0.00E+00	5.73E-07	1.03E-07	6.54E-07	1.01E-07	9.60E-08	1.53E-06	1.62E-06	5.96E-07	8.10E-07	3.03E-07	1.62E-06	5.96E-07
2814	490337.3	3859422	4.70E-03	4.59E-03	4.53E-03	1.63E-06	4.92E-06	2.85E-06	2.78E-06	2.52E-06	1.15E-06	1.13E-06	0.00E+00	0.00E+00	5.24E-07	9.43E-08	5.98E-07	9.22E-08	8.78E-08	1.40E-06	1.48E-06	5.44E-07	7.41E-07	2.77E-07	1.48E-06	5.44E-07
2815	490187.3	3859472	7.87E-03	7.68E-03	7.57E-03	2.72E-06	8.22E-06	4.76E-06	4.64E-06	4.21E-06	1.92E-06	1.90E-06	0.00E+00	0.00E+00	8.76E-07	1.58E-07	1.00E-06	1.54E-07	1.47E-07	2.33E-06	2.48E-06	9.11E-07	1.24E-06	4.63E-07	2.48E-06	9.11E-07
2816	490237.3	3859472	7.01E-03	6.84E-03	6.75E-03	2.43E-06	7.33E-06	4.24E-06	4.14E-06	3.75E-06	1.71E-06	1.69E-06	0.00E+00	0.00E+00	7.80E-07	1.40E-07	8.91E-07	1.37E-07	1.31E-07	2.08E-06	2.21E-06	8.11E-07	1.10E-06	4.13E-07	2.21E-06	8.11E-07
2817	490287.3	3859472	6.29E-03	6.14E-03	6.06E-03	2.18E-06	6.57E-06	3.81E-06	3.71E-06	3.37E-06	1.54E-06	1.52E-06	0.00E+00	0.00E+00	7.00E-07	1.26E-07	8.00E-07	1.23E-07	1.17E-07	1.87E-06	1.99E-06	7.28E-07	9.91E-07	3.70E-07	1.99E-06	7.28E-07
2818	490337.3	3859472	5.72E-03	5.58E-03	5.51E-03	1.98E-06	5.98E-06	3.46E-06	3.38E-06	3.06E-06	1.40E-06	1.38E-06	0.00E+00	0.00E+00	6.36E-07	1.15E-07	7.27E-07	1.12E-07	1.07E-07	1.70E-06	1.80E-06	6.62E-07	9.01E-07	3.37E-07	1.80E-06	6.62E-07
2819	490297.1	3859500	7.08E-03	6.91E-03	6.82E-03	2.45E-06	7.40E-06	4.29E-06	4.18E-06	3.79E-06	1.73E-06	1.71E-06	0.00E+00	0.00E+00	7.88E-07	1.42E-07	9.01E-07	1.39E-07	1.32E-07	2.10E-06	2.24E-06	8.20E-07	1.12E-06	4.17E-07	2.24E-06	8.20E-07
2820	490327.1	3859500	6.67E-03	6.51E-03	6.42E-03	2.31E-06	6.97E-06	4.04E-06	3.94E-06	3.57E-06	1.63E-06	1.61E-06	0.00E+00	0.00E+00	7.43E-07	1.34E-07	8.48E-07	1.31E-07	1.24E-07	1.98E-06	2.11E-06	7.72E-07	1.05E-06	3.93E-07	2.11E-06	7.72E-07
2821	490297.1	3859530	8.43E-03	8.22E-03	8.11E-03	2.92E-06	8.81E-06	5.10E-06	4.98E-06	4.51E-06	2.06E-06	2.03E-06	0.00E+00	0.00E+00	9.38E-07	1.69E-07	1.07E-06	1.65E-07	1.57E-07	2.50E-06	2.66E-06	9.76E-07	1.33E-06	4.96E-07	2.66E-06	9.76E-07
2822	490327.1	3859530	7.84E-03	7.65E-03	7.55E-03	2.71E-06	8.20E-06	4.74E-06	4.63E-06	4.20E-06	1.91E-06	1.89E-06	0.00E+00	0.00E+00	8.73E-07	1.57E-07	9.97E-07	1.54E-07	1.46E-07	2.33E-06	2.47E-06	9.08E-07	1.24E-06	4.62E-07	2.47E-06	9.08E-07
2823	490319.7	3859055	2.24E-03	2.18E-03	2.15E-03	7.75E-07	2.34E-06	1.35E-06	1.32E-06	1.20E-06	5.47E-07	5.39E-07	0.00E+00	0.00E+00	2.49E-07	4.48E-08	2.85E-07	4.39E-08	4.18E-08	6.64E-07	7.06E-07	2.59E-07	3.53E-07	1.32E-07	7.06E-07	2.59E-07
2824	490319.7	3859105	2.39E-03	2.33E-03	2.30E-03	8.26E-07	2.50E-06	1.44E-06	1.41E-06	1.28E-06	5.83E-07	5.75E-07	0.00E+00	0.00E+00	2.66E-07	4.78E-08	3.04E-07	4.68E-08	4.45E-08	7.09E-07	7.53E-07	2.76E-07	3.76E-07	1.41E-07	7.53E-07	2.76E-07
2825	490069.7	3859155	3.40E-03	3.32E-03	3.27E-03	1.18E-06	3.55E-06	2.06E-06	2.01E-06	1.82E-06	8.30E-07	8.19E-07	0.00E+00	0.00E+00	3.78E-07	6.81E-08	4.32E-07	6.67E-08	6.34E-08	1.01E-06	1.07E-06	3.94E-07	5.36E-07	2.00E-07	1.07E-06	3.94E-07
2826	490119.7	3859155	3.21E-03	3.13E-03	3.09E-03	1.11E-06	3.35E-06	1.94E-06	1.89E-06	1.72E-06	7.83E-07	7.73E-07	0.00E+00	0.00E+00	3.57E-07	6.43E-08	4.08E-07	6.29E-08	5.99E-08	9.52E-07	1.01E-06	3.71E-07	5.05E-07	1.89E-07	1.01E-06	3.71E-07
2827	490269.7	3859155	2.74E-03	2.67E-03	2.64E-03	9.49E-07	2.87E-06	1.66E-06	1.62E-06	1.47E-06	6.69E-07	6.61E-07	0.00E+00	0.00E+00	3.05E-07	5.49E-08	3.49E-07	5.38E-08	5.11E-08	8.14E-07	8.65E-07	3.17E-07	4.32E-07	1.61E-07	8.65E-07	3.17E-07
2828	490319.7	3859155	2.58E-03	2.52E-03	2.48E-03	8.93E-07	2.70E-06	1.56E-06	1.52E-06	1.38E-06	6.30E-07	6.22E-07	0.00E+00	0.00E+00	2.87E-07	5.17E-08	3.28E-07	5.06E-08	4.82E-08	7.66E-07	8.14E-07	2.99E-07	4.07E-07	1.52E-07	8.14E-07	2.99E-07
2829	490069.7	3859205	3.83E-03	3.74E-03	3.69E-03	1.33E-06	4.01E-06	2.32E-06	2.26E-06	2.05E-06	9.36E-07	9.24E-07	0.00E+00	0.00E+00	4.27E-07	7.68E-08	4.88E-07	7.52E-08	7.15E-08	1.14E-06	1.21E-06	4.44E-07	6.04E-07	2.26E-07	1.21E-06	4.44E-07
2830	490119.7	3859205	3.62E-03	3.53E-03	3.48E-03	1.25E-06	3.78E-06	2.19E-06	2.13E-06	1.93E-06	8.83E-07	8.71E-07	0.00E+00	0.00E+00	4.02E-07	7.25E-08	4.60E-07	7.09E-08	6.75E-08	1.07E-06	1.14E-06	4.18E-07	5.70E-07	2.13E-07	1.14E-06	4.18E-07
2831	490169.7	3859205	3.40E-03	3.32E-03	3.27E-03	1.18E-06	3.55E-06	2.06E-06	2.01E-06	1.82E-06	8.31E-07	8.20E-07	0.00E+00	0.00E+00	3.79E-07	6.82E-08	4.33E-07	6.67E-08	6.35E-08	1.01E-06	1.07E-06	3.94E-07	5.36E-07	2.00E-07	1.07E-06	3.94E-07
2832	490219.7	3859205	3.18E-03	3.10E-03	3.06E-03	1.10E-06	3.32E-06	1.92E-06	1.88E-06	1.70E-06	7.77E-07	7.66E-07	0.00E+00	0.00E+00	3.54E-07	6.37E-08	4.04E-07	6.24E-08	5.93E-08	9.44E-07	1.00E-06	3.68E-07	5.01E-07	1.87E-07	1.00E-06	3.68E-07
2833	490269.7	3859205	2.97E-03	2.90E-03	2.86E-03	1.03E-06	3.10E-06	1.80E-06	1.75E-06	1.59E-06	7.25E-07	7.15E-07	0.00E+00	0.00E+00	3.30E-07	5.95E-08	3.77E-07	5.82E-08	5.54E-08	8.81E-07	9.36E-07	3.43E-07	4.67E-07	1.75E-07	9.36E-07	3.43E-07
2834	490319.7	3859205	2.80E-03	2.73E-03	2.70E-03	9.70E-07	2.93E-06	1.69E-06	1.65E-06	1.50E-06	6.84E-07	6.75E-07	0.00E+00	0.00E+00	3.12E-07	5.61E-08	3.56E-07	5.49E-08	5.23E-08	8.31E-07	8.84E-07	3.24E-07	4.41E-07	1.65E-07	8.84E-07	3.24E-07
2835	490069.7	3859255	4.36E-03	4.26E-03	4.20E-03	1.51E-06	4.56E-06	2.64E-06	2.58E-06	2.33E-06	1.07E-06	1.05E-06	0.00E+00	0.00E+00	4.86E-07	8.74E-08	5.55E-07	8.55E-08	8.14E-08	1.29E-06	1.38E-06	5.05E-07	6.87E-07	2.57E-07	1.38E-06	5.05E-07
2836	490119.7	3859255	4.07E-03	3.97E-03	3.92E-03	1.41E-06	4.26E-06	2.46E-06	2.40E-06	2.18E-06	9.95E-07	9.82E-07	0.00E+00	0.00E+00	4.53E-07	8.16E-08	5.18E-07	7.99E-08	7.60E-08	1.21E-06	1.29E-06	4.72E-07	6.42E-07	2.40E-07	1.29E-06	4.72E-07
2837	490169.7	3859255	3.81E-03	3.72E-03	3.67E-03	1.32E-06	3.98E-06	2.30E-06	2.25E-06	2.04E-06	9.30E-07	9.17E-07	0.00E+00	0.00E+00	4.24E-07	7.63E-08	4.84E-07	7.47E-08	7.10E-08	1.13E-06	1.20E-06	4.41E-07	6.00E-07	2.24E-07	1.20E-06	4.41E-07
2838	490219.7	3859255	3.54E-03	3.45E-03	3.41E-03	1.23E-06	3.70E-06	2.14E-06	2.09E-06	1.90E-06	8.65E-07	8.53E-07	0.00E+00	0.00E+00	3.94E-07	7.10E-08	4.50E-07	6.94E-08	6.61E-08	1.05E-06	1.12E-06	4.10E-07	5.58E-07	2.08E-07	1.12E-06	4.10E-07
2839	490269.7	3859255	3.30E-03	3.22E-03	3.17E-03	1.14E-06	3.45E-06	1.99E-06	1.95E-06	1.76E-06	8.05E-07	7.94E-07	0.00E+00	0.00E+00	3.67E-07	6.61E-08	4.19E-07	6.46E-08	6.15E-08	9.78E-07	1.04E-06	3.82E-07	5.19E-07	1.94E-07	1.04E-06	3.82E-07
2840	490319.7	3859255	3.09E-03	3.02E-03	2.98E-03	1.07E-06	3.23E-06	1.87E-06	1.83E-06	1.66E-06	7.55E-07	7.45E-07	0.00E+00	0.00E+00	3.44E-07	6.20E-08	3.93E-07	6.06E-08	5.77E-08	9.18E-07	9.76E-07	3.58E-07	4.87E-07	1.82E-07	9.76E-07	3.58E-07
2841	490069.7	3859305	5.07E-03	4.95E-03	4.88E-03	1.75E-06	5.30E-06	3.07E-06	2.99E-06	2.71E-06	1.24E-06	1.22E-06	0.00E+00	0.00E+00	5.64E-07	1.02E-07	6.44E-07	9.94E-08	9.46E-08	1.50E-06	1.60E-06	5.87E-07	7.98E-07	2.98E-07	1.60E-06	5.87E-07
2842	490119.7	3859305	4.68E-03	4.57E-03	4.51E-03	1.62E-06	4.90E-06	2.83E-06	2.77E-06	2.51E-06	1.14E-06	1.13E-06	0.00E+00	0.00E+00	5.21E-07	9.39E-08	5.96E-07	9.18E-08	8.74E-08	1.39E-06	1.48E-06	5.42E-07	7.38E-07	2.76E-07	1.48E-06	5.42E-07

2843	490169.7	3859305	4.34E-03	4.23E-03	4.17E-03	1.50E-06	4.53E-06	2.62E-06	2.56E-06	2.32E-06	1.06E-06	1.04E-06	0.00E+00	0.00E+00	4.83E-07	8.69E-08	5.51E-07	8.50E-08	8.09E-08	1.29E-06	1.37E-06	5.02E-07	6.83E-07	2.55E-07	1.37E-06	5.02E-07
2844	490219.7	3859305	4.01E-03	3.92E-03	3.86E-03	1.39E-06	4.19E-06	2.43E-06	2.37E-06	2.15E-06	9.80E-07	9.67E-07	0.00E+00	0.00E+00	4.47E-07	8.04E-08	5.10E-07	7.87E-08	7.49E-08	1.19E-06	1.27E-06	4.65E-07	6.32E-07	2.36E-07	1.27E-06	4.65E-07
2845	490269.7	3859305	3.72E-03	3.63E-03	3.58E-03	1.29E-06	3.89E-06	2.25E-06	2.20E-06	1.99E-06	9.09E-07	8.97E-07	0.00E+00	0.00E+00	4.14E-07	7.46E-08	4.73E-07	7.30E-08	6.94E-08	1.10E-06	1.17E-06	4.31E-07	5.86E-07	2.19E-07	1.17E-06	4.31E-07
2846	490319.7	3859305	3.45E-03	3.37E-03	3.32E-03	1.19E-06	3.61E-06	2.09E-06	2.04E-06	1.85E-06	8.42E-07	8.31E-07	0.00E+00	0.00E+00	3.84E-07	6.91E-08	4.39E-07	6.77E-08	6.44E-08	1.02E-06	1.09E-06	3.99E-07	5.43E-07	2.03E-07	1.09E-06	3.99E-07
2847	490069.7	3859355	6.08E-03	5.93E-03	5.86E-03	2.10E-06	6.36E-06	3.68E-06	3.59E-06	3.25E-06	1.49E-06	1.47E-06	0.00E+00	0.00E+00	6.77E-07	1.22E-07	7.73E-07	1.19E-07	1.13E-07	1.80E-06	1.92E-06	7.04E-07	9.58E-07	3.58E-07	1.92E-06	7.04E-07
2848	490119.7	3859355	5.53E-03	5.40E-03	5.33E-03	1.92E-06	5.78E-06	3.35E-06	3.27E-06	2.96E-06	1.35E-06	1.33E-06	0.00E+00	0.00E+00	6.16E-07	1.11E-07	7.04E-07	1.09E-07	1.03E-07	1.64E-06	1.75E-06	6.41E-07	8.72E-07	3.26E-07	1.75E-06	6.41E-07
2849	490169.7	3859355	5.06E-03	4.94E-03	4.87E-03	1.75E-06	5.29E-06	3.06E-06	2.99E-06	2.71E-06	1.24E-06	1.22E-06	0.00E+00	0.00E+00	5.63E-07	1.01E-07	6.43E-07	9.92E-08	9.44E-08	1.50E-06	1.60E-06	5.85E-07	7.97E-07	2.98E-07	1.60E-06	5.85E-07
2850	490219.7	3859355	4.63E-03	4.52E-03	4.46E-03	1.60E-06	4.84E-06	2.80E-06	2.73E-06	2.48E-06	1.13E-06	1.12E-06	0.00E+00	0.00E+00	5.15E-07	9.28E-08	5.89E-07	9.08E-08	8.64E-08	1.37E-06	1.46E-06	5.36E-07	7.29E-07	2.73E-07	1.46E-06	5.36E-07
2851	490269.7	3859355	4.27E-03	4.17E-03	4.11E-03	1.48E-06	4.46E-06	2.58E-06	2.52E-06	2.29E-06	1.04E-06	1.03E-06	0.00E+00	0.00E+00	4.75E-07	8.56E-08	5.43E-07	8.38E-08	7.97E-08	1.27E-06	1.35E-06	4.94E-07	6.73E-07	2.51E-07	1.35E-06	4.94E-07
2852	490319.7	3859355	3.94E-03	3.84E-03	3.79E-03	1.36E-06	4.12E-06	2.38E-06	2.33E-06	2.11E-06	9.62E-07	9.49E-07	0.00E+00	0.00E+00	4.38E-07	7.89E-08	5.01E-07	7.72E-08	7.35E-08	1.17E-06	1.24E-06	4.56E-07	6.20E-07	2.32E-07	1.24E-06	4.56E-07
2853	490069.7	3859405	7.56E-03	7.38E-03	7.28E-03	2.62E-06	7.91E-06	4.58E-06	4.47E-06	4.05E-06	1.85E-06	1.82E-06	0.00E+00	0.00E+00	8.42E-07	1.52E-07	9.62E-07	1.48E-07	1.41E-07	2.25E-06	2.39E-06	8.76E-07	1.19E-06	4.45E-07	2.39E-06	8.76E-07
2854	490119.7	3859405	6.73E-03	6.57E-03	6.48E-03	2.33E-06	7.04E-06	4.07E-06	3.97E-06	3.60E-06	1.64E-06	1.62E-06	0.00E+00	0.00E+00	7.49E-07	1.35E-07	8.56E-07	1.32E-07	1.26E-07	2.00E-06	2.12E-06	7.79E-07	1.06E-06	3.96E-07	2.12E-06	7.79E-07
2855	490169.7	3859405	6.05E-03	5.90E-03	5.83E-03	2.09E-06	6.32E-06	3.66E-06	3.57E-06	3.24E-06	1.48E-06	1.46E-06	0.00E+00	0.00E+00	6.74E-07	1.21E-07	7.70E-07	1.19E-07	1.13E-07	1.80E-06	1.91E-06	7.00E-07	9.53E-07	3.56E-07	1.91E-06	7.00E-07
2856	490219.7	3859405	5.49E-03	5.35E-03	5.28E-03	1.90E-06	5.73E-06	3.32E-06	3.24E-06	2.94E-06	1.34E-06	1.32E-06	0.00E+00	0.00E+00	6.11E-07	1.10E-07	6.98E-07	1.08E-07	1.02E-07	1.63E-06	1.73E-06	6.35E-07	8.64E-07	3.23E-07	1.73E-06	6.35E-07
2857	490269.7	3859405	4.99E-03	4.87E-03	4.81E-03	1.73E-06	5.22E-06	3.02E-06	2.95E-06	2.67E-06	1.22E-06	1.20E-06	0.00E+00	0.00E+00	5.56E-07	1.00E-07	6.35E-07	9.79E-08	9.31E-08	1.48E-06	1.58E-06	5.78E-07	7.86E-07	2.94E-07	1.58E-06	5.78E-07
2858	490319.7	3859405	4.57E-03	4.46E-03	4.40E-03	1.58E-06	4.78E-06	2.76E-06	2.70E-06	2.45E-06	1.12E-06	1.10E-06	0.00E+00	0.00E+00	5.09E-07	9.16E-08	5.81E-07	8.96E-08	8.53E-08	1.36E-06	1.44E-06	5.29E-07	7.20E-07	2.69E-07	1.44E-06	5.29E-07
2859	490161.9	3859542	1.37E-02	1.34E-02	1.32E-02	4.76E-06	1.44E-05	8.32E-06	8.11E-06	7.36E-06	3.36E-06	3.31E-06	0.00E+00	0.00E+00	1.53E-06	2.75E-07	1.75E-06	2.70E-07	2.56E-07	4.08E-06	4.34E-06	1.59E-06	2.16E-06	8.09E-07	4.34E-06	1.59E-06
2860	490171.9	3859542	1.33E-02	1.29E-02	1.28E-02	4.59E-06	1.39E-05	8.02E-06	7.83E-06	7.10E-06	3.24E-06	3.20E-06	0.00E+00	0.00E+00	1.48E-06	2.66E-07	1.69E-06	2.60E-07	2.47E-07	3.94E-06	4.18E-06	1.53E-06	2.09E-06	7.81E-07	4.18E-06	1.53E-06
2861	490161.9	3859552	1.52E-02	1.48E-02	1.46E-02	5.25E-06	1.59E-05	9.18E-06	8.96E-06	8.12E-06	3.71E-06	3.66E-06	0.00E+00	0.00E+00	1.69E-06	3.04E-07	1.93E-06	2.98E-07	2.83E-07	4.50E-06	4.79E-06	1.76E-06	2.39E-06	8.93E-07	4.79E-06	1.76E-06
2862	490171.9	3859552	1.46E-02	1.42E-02	1.41E-02	5.05E-06	1.53E-05	8.83E-06	8.62E-06	7.81E-06	3.57E-06	3.52E-06	0.00E+00	0.00E+00	1.63E-06	2.93E-07	1.86E-06	2.86E-07	2.72E-07	4.33E-06	4.61E-06	1.69E-06	2.30E-06	8.59E-07	4.61E-06	1.69E-06
2863	489799.7	3859348	1.30E-02	1.27E-02	1.25E-02	4.50E-06	1.36E-05	7.87E-06	7.68E-06	6.96E-06	3.18E-06	3.13E-06	0.00E+00	0.00E+00	1.45E-06	2.61E-07	1.65E-06	2.55E-07	2.43E-07	3.86E-06	4.11E-06	1.51E-06	2.05E-06	7.66E-07	4.11E-06	1.51E-06
2864	489819.7	3859348	1.20E-02	1.17E-02	1.15E-02	4.14E-06	1.25E-05	7.23E-06	7.06E-06	6.40E-06	2.92E-06	2.88E-06	0.00E+00	0.00E+00	1.33E-06	2.40E-07	1.52E-06	2.34E-07	2.23E-07	3.55E-06	3.77E-06	1.38E-06	1.88E-06	7.04E-07	3.77E-06	1.38E-06
2865	489799.7	3859368	1.55E-02	1.51E-02	1.49E-02	5.37E-06	1.62E-05	9.38E-06	9.15E-06	8.30E-06	3.79E-06	3.74E-06	0.00E+00	0.00E+00	1.73E-06	3.11E-07	1.97E-06	3.04E-07	2.89E-07	4.60E-06	4.89E-06	1.79E-06	2.44E-06	9.13E-07	4.89E-06	1.79E-06
2866	489819.7	3859368	1.40E-02	1.37E-02	1.35E-02	4.86E-06	1.47E-05	8.49E-06	8.29E-06	7.51E-06	3.43E-06	3.38E-06	0.00E+00	0.00E+00	1.56E-06	2.81E-07	1.78E-06	2.75E-07	2.62E-07	4.17E-06	4.43E-06	1.62E-06	2.21E-06	8.26E-07	4.43E-06	1.62E-06
2867	489775.4	3859330	1.25E-02	1.22E-02	1.20E-02	4.33E-06	1.31E-05	7.56E-06	7.38E-06	6.69E-06	3.05E-06	3.01E-06	0.00E+00	0.00E+00	1.39E-06	2.50E-07	1.59E-06	2.45E-07	2.33E-07	3.71E-06	3.94E-06	1.45E-06	1.97E-06	7.36E-07	3.94E-06	1.45E-06
2868	489795.4	3859330	1.15E-02	1.12E-02	1.11E-02	3.98E-06	1.20E-05	6.96E-06	6.80E-06	6.16E-06	2.81E-06	2.77E-06	0.00E+00	0.00E+00	1.28E-06	2.31E-07	1.46E-06	2.26E-07	2.15E-07	3.42E-06	3.63E-06	1.33E-06	1.81E-06	6.78E-07	3.63E-06	1.33E-06
2869	489775.4	3859350	1.48E-02	1.44E-02	1.42E-02	5.12E-06	1.55E-05	8.94E-06	8.73E-06	7.91E-06	3.61E-06	3.56E-06	0.00E+00	0.00E+00	1.65E-06	2.96E-07	1.88E-06	2.90E-07	2.76E-07	4.39E-06	4.67E-06	1.71E-06	2.33E-06	8.70E-07	4.67E-06	1.71E-06
2870	489795.4	3859350	1.34E-02	1.31E-02	1.29E-02	4.65E-06	1.40E-05	8.13E-06	7.93E-06	7.19E-06	3.28E-06	3.24E-06	0.00E+00	0.00E+00	1.49E-06	2.69E-07	1.71E-06	2.63E-07	2.51E-07	3.99E-06	4.24E-06	1.55E-06	2.12E-06	7.91E-07	4.24E-06	1.55E-06
2871	489595.1	3859219	1.15E-02	1.12E-02	1.11E-02	3.98E-06	1.20E-05	6.95E-06	6.78E-06	6.15E-06	2.80E-06	2.77E-06	0.00E+00	0.00E+00	1.28E-06	2.30E-07	1.46E-06	2.25E-07	2.14E-07	3.41E-06	3.62E-06	1.33E-06	1.81E-06	6.76E-07	3.62E-06	1.33E-06
2872	489615.1	3859219	1.06E-02	1.04E-02	1.02E-02	3.67E-06	1.11E-05	6.42E-06	6.27E-06	5.68E-06	2.59E-06	2.56E-06	0.00E+00	0.00E+00	1.18E-06	2.13E-07	1.35E-06	2.08E-07	1.98E-07	3.15E-06	3.35E-06	1.23E-06	1.67E-06	6.25E-07	3.35E-06	1.23E-06
2873	489595.1	3859239	1.34E-02	1.31E-02	1.29E-02	4.64E-06	1.40E-05	8.11E-06	7.92E-06	7.18E-06	3.27E-06	3.23E-06	0.00E+00	0.00E+00	1.49E-06	2.69E-07	1.71E-06	2.63E-07	2.50E-07	3.98E-06	4.23E-06	1.55E-06	2.11E-06	7.89E-07	4.23E-06	1.55E-06
2874	489615.1	3859239	1.23E-02	1.20E-02	1.18E-02	4.24E-06	1.28E-05	7.42E-06	7.24E-06	6.56E-06	2.99E-06	2.95E-06	0.00E+00	0.00E+00	1.36E-06	2.46E-07	1.56E-06	2.40E-07	2.29E-07	3.64E-06	3.87E-06	1.42E-06	1.93E-06	7.22E-07	3.87E-06	1.42E-06
2875	489372.4	3859093	1.13E-02	1.10E-02	1.09E-02	3.92E-06	1.18E-05	6.85E-06	6.69E-06	6.06E-06	2.77E-06	2.73E-06	0.00E+00	0.00E+00	1.26E-06	2.27E-07	1.44E-06	2.22E-07	2.11E-07	3.36E-06	3.57E-06	1.31E-06	1.78E-06	6.67E-07	3.57E-06	1.31E-06
2876	489422.4	3859093	9.42E-03	9.19E-03	9.07E-03	3.26E-06	9.85E-06	5.70E-06	5.56E-06	5.04E-06	2.30E-06	2.27E-06	0.00E+00	0.00E+00	1.05E-06	1.89E-07	1.20E-06	1.85E-07	1.76E-07	2.80E-06	2.97E-06	1.09E-06	1.48E-06	5.55E-07	2.97E-06	1.09E-06
2877	489372.4	3859143	1.74E-02	1.70E-02	1.68E-02	6.03E-06	1.82E-05	1.05E-05	1.03E-05	9.32E-06	4.25E-06	4.20E-06	0.00E+00	0.00E+00	1.94E-06	3.49E-07	2.21E-06	3.42E-07	3.25E-07	5.17E-06	5.50E-06	2.02E-06	2.74E-06	1.03E-06	5.50E-06	2.02E-06
2878	489422.4	3859143	1.34E-02	1.31E-02	1.29E-02	4.65E-06	1.40E-05	8.12E-06	7.93E-06	7.18E-06	3.28E-06	3.23E-06	0.00E+00	0.00E+00	1.49E-06	2.69E-07	1.71E-06	2.63E-07	2.50E-07	3.98E-06	4.24E-06	1.55E-06	2.11E-06	7.90E-07	4.24E-06	1.55E-06
2879	488870.8	3858667	6.24E-03	6.09E-03	6.01E-03	2.16E-06	6.52E-06	3.78E-06	3.68E-06	3.34E-06	1.52E-06	1.50E-06	0.00E+00	0.00E+00	6.95E-07	1.25E-07	7.94E-07	1.22E-07	1.16E-07	1.85E-06	1.97E-06	7.22E-07	9.83E-07	3.67E-07	1.97E-06	7.22E-07
2880	488900.8	3858667	5.80E-03	5.65E-03	5.58E-03	2.01E-06	6.06E-06	3.51E-06	3.42E-06	3.10E-06	1.42E-06	1.40E-06	0.00E+00	0.00E+00	6.45E-07	1.16E-07	7.37E-07	1.14E-07	1.08E-07	1.72E-06	1.83E-06	6.71E-07	9.13E-07	3.41E-07	1.83E-06	6.71E-07
2881	488870.8	3858697	7.03E-03	6.86E-03	6.77E-03	2.43E-06	7.35E-06	4.25E-06	4.15E-06	3.76E-06	1.72E-06	1.69E-06	0.00E+00	0.00E+00	7.82E-07	1.41E-07	8.94E-07	1.38E-07	1.31E-07	2.09E-06	2.22E-06	8.14E-07	1.11E-06	4.14E-07	2.22E-06	8.14E-07
2882	488900.8	3858697	6.47E-03	6.31E-03	6.23E-03	2.24E-06	6.76E-06	3.92E-06	3.82E-06	3.46E-06	1.58E-06	1.56E-06	0.00E+00	0.00E+00	7.20E-07	1.30E-07	8.23E-07	1.27E-07	1.21E-07	1.92E-06	2.04E-06	7.49E-07	1.02E-06	3.81E-07	2.04E-06	7.49E-07
2883	488889.7	3858684	6.34E-03	6.19E-03	6.10E-03	2.19E-06	6.63E-06	3.84E-06	3.74E-06	3.39E-06	1.55E-06	1.53E-06	0.00E+00	0.00E+00	7.06E-07	1.27E-07	8.06E-07	1.24E-07	1.18E-07	1.88E-06	2.00E-06	7.34E-07	9.99E-07	3.73E-07	2.00E-06	7.34E-07
2884	488919.7	3858684	5.89E-03	5.75E-03	5.67E-03	2.04E-06	6.16E-06	3.56E-06	3.48E-06	3.15E-06	1.44E-06	1.42E-06	0.00E+00	0.00E+00	6.56E-07	1.18E-07	7.49E-07	1.16E-07	1.10E-07	1.75E-06	1.86E-06	6.82E-07	9.28E-07	3.47E-07	1.86E-06	6.82E-07
2885	488889.7	3858714	7.18E-03	7.00E-03	6.91E-03	2.48E-06	7.50E-06	4.34E-06	4.24E-06	3.84E-06	1.75E-06	1.73E-06	0.00E+00	0.00E+00	7.99E-07	1.44E-07	9.13E-07	1.41E-07	1.34E-07	2.13E-06	2.27E-06	8.31E-07	1.13E-06	4.22E-07	2.27E-06	8.31E-07
2886	488919.7	3858714	6.60E-03	6.44E-03	6.36E-03	2.29E-06	6.90E-06	4.00E-06	3.90E-06	3.53E-06	1.61E-06	1.59E-06	0.00E+00	0.00E+00	7.35E-07	1.32E-07	8.40E-07	1.30E-07	1.23E-07	1.96E-06	2.08E-06	7.64E-07	1.04E-06	3.89E-07	2.08E-06	7.64E-07
2887	488906.6	3858703	6.55E-03	6.39E-03	6.30E-03	2.27E-06	6.84E-06	3.96E-06	3.87E-06	3.50E-06	1.60E-06	1.58E-06	0.00E+00	0.00E+00	7.29E-07	1.31E-07	8.33E-07	1.28E-07	1.22E-07	1.94E-06	2.07E-06	7.58E-07	1.03E-06	3.85E-07	2.07E-06	7.58E-07
2888	488936.6	3858703	6.07E-03	5.92E-03	5.84E-03	2.10E-06	6.34E-06	3.67E-06	3.58E-06	3.25E-06	1.48E-06	1.46E-06	0.00E+00	0.00E+00	6.75E-07	1.22E-07	7.71E-07	1.19E-07	1.13E-07	1.80E-06	1.91E-06	7.02E-07	9.56E-07	3.57E-07	1.91E-06	7.02E-07
2889	488906.6	3858733	7.45E-03	7.27E-03	7.17E-03	2.58E-06	7.78E-06	4.51E-06	4.40E-06	3.99E-06	1.82E-06	1.79E-06	0.00E+00	0.00E+00	8.29E-07	1.49E-07	9.47E-07	1.46E-07	1.39E-07	2.21E-06	2.35E-06	8.62E-07	1.17E-06	4.38E-07	2.35E-06	8.62E-07
2890	488936.6	3858733	6.84E-03	6.67E-03	6.59E-03	2.37E-06	7.15E-06	4.14E-06	4.04E-06	3.66E-06	1.67E-06	1.65E-06	0.00E+00	0.00E+00	7.61E-07	1.37E-07	8.70E-07	1.34E-07	1.28E-07	2.03E-06	2.16E-06	7.92E-07	1.08E-06	4.03E-07	2.16E-06	7.92E-07
2891	488637.6	3858468	5.88E-03	5.73E-03	5.66E-03	2.03E-06	6.14E-06	3.56E-06	3.47E-06	3.15E-06	1.44E-06	1.42E-06	0.00E+00	0.00E+00	6.54E-07	1.18E-07	7.47E-07	1.15E-07	1.10E-07	1.74E-06	1.85E-06	6.80E-07	9.26E-07	3.46E-07	1.85E-06	6.80E-07
2892	488662.6	3858468	5.51E-03	5.37E-03	5.30E-03	1.91E-06	5.75E-06	3.33E-06	3.25E-06	2.95E-06	1.34E-06	1.33E-06	0.00E+00	0.00E+00	6.13E-07	1.10E-07	7.00E-07	1.08E-07	1.03E-07	1.63E-06	1.74E-06	6.37E-07	8.67E-07	3.24E-07	1.74E-06	6.37E-07
2893	488637.6	3858493	6.43E-03	6.27E-03	6.19E-03	2.22E-06	6.72E-06	3.89E-06	3.79E-06	3.44E-06	1.57E-06	1.55E-06	0.00E+00	0.00E+00	7.15E-07	1.29E-07	8.17E-07	1.26E-07	1.20E-07	1.91E-06	2.03E-06	7.44E-07	1.01E-06	3.78E-07	2.03E-06	7.44E-07
2894	488662.6	3858493	5.98E-03	5.83E-03	5.75E-03	2.07E-06	6.25E-06	3.62E-06	3.53E-06	3.20E-06	1.46E-06	1.44E-06	0.00E+00	0.00E+00	6.65E-07	1.20E-07	7.60E-07	1.17E-07	1.12E-07	1.77E-06	1.89E-06	6.92E-07	9.42E-07	3.52E-07	1.89E-06	6.92E-07
2895	488687.6	3858493	5.59E-03	5.45E-03	5.38E-03	1.93E-06	5.84E-06	3.38E-06	3.30E-06	2.99E-06	1.36E-06	1.35E-06	0.00E+00	0.00E+00	6.22E-07	1.12E-07	7.11E-07	1.10E-07	1.04E-07	1.66E-06	1.76E-06	6.47E-07	8.80E-07	3.29E-07	1.76E-06	6.47E-07
2896	488637.6	3858518	7.10E-03	6.93E-03	6.84E-03	2.46E-06	7.42E-06	4.30E-06	4.19E-06	3.80E-06	1.73E-06	1.71E-06	0.00E+00	0.00E+00	7.91E-07	1.42E-07	9.03E-07	1.39E-07	1.33E-07	2.11E-06	2.24E-06	8.22E-07	1.12E-06	4.18E-07	2.24E-06	8.22E-07
2897	488662.6	3858518	6.55E-03	6.39E-03	6.30E-03	2.27E-06	6.84E-06	3.96E-06	3.86E-06	3.50E-06	1.60E-06	1.58E-06	0.00E+00	0.00E+00	7.29E-07	1.31E-07	8.32E-07	1.28E-07	1.22E-07	1.94E-06	2.07E-06	7.58E-07	1.03E-06	3.85E-07	2.07E-06	7.58E-07
2898	488687.6	3858518	6.08E-03	5.93E-03	5.86E-03	2.11E-06	6.36E-06	3.68E-06	3.59E-06	3.26E-06	1.49E-06	1.47E-06	0.00E+00	0.00E+00	6.77E-07	1.22E-07	7.73E-07	1.19E-07	1.13E-07	1.81E-06	1.92E-06	7.04E-07	9.58E-07	3.58E-07	1.92E-06	7.04E-07
2899	488194.4	3857169	1.47E-03	1.44E-03	1.42E-03	5.10E-07	1.54E-06	8.91E-07	8.70E-07	7.89E-07	3.60E-07	3.55E-07	0.00E+00	0.00E+00	1.64E-07	2.95E-08	1.87E-07	2.89E-08	2.75E-08	4.37E-07	4.65E-07	1.71E-07	2.32E-07	8.67E-08	4.65E-07	1.71E-07
2900	488244.4	3857169	1.44E-03	1.40E-03	1.38E-03	4.98E-07	1.50E-06	8.70E-07	8.49E-07	7.70E-07	3.51E-07	3.47E-07	0.00E+00	0.00E+00	1.60E-07	2.88E-08	1.83E-07	2.82E-08	2.68E-08	4.27E-07	4.54E-07	1.66E-07	2.27E-07	8.47E-08	4.54E-07	1.66E-07
2901	488294.4	3857169	1.40E-03	1.37E-03	1.35E-03	4.86E-07	1.47E-06	8.49E-07	8.28E-07	7.51E-07	3.43E-07	3.38E-07	0.00E+00	0.00E+00	1.56E-07	2.81E-08	1.78E-07	2.75E-08	2.62E-08	4.16E-07	4.43E-07	1.62E-07	2.21E-07	8.26E-08	4.43E-07	1.62E-07
2902	488244.4	3857219	1.49E-03	1.45E-03	1.43E-03	5.14E-07	1.55E-06	8.99E-07	8.77E-07	7.95E-07	3.63E-07	3.58E-07	0.00E+00	0.00E+00	1.65E-07	2.98E-08	1.89E-07	2.91E-08	2.77E-08	4.41E-07	4.69E-07	1.72E-07	2.34E-07	8.75E-08	4.69E-07	1.72E-07
2903	488294.4	3857219	1.45E-03	1.41E-03	1.40E-03	5.02E-07	1.51E-06	8.77E-07	8.56E-07	7.76E-07	3.54E-07	3.49E-07	0.00E+00	0.00E+00	1.61E-07	2.90E-08	1.84E-07	2.84E-08	2.70E-08	4.30E-07	4.57E-07	1.68E-07	2.28E-07	8.53E-08	4.57E-07	1.68E-07
2904	488294.4	3857269	1.50E-03	1.46E-03	1.44E-03	5.19E-07	1.57E-06	9.07E-07	8.86E-07	8.03E-07	3.66E-07	3.61E-07	0.00E+00	0.00E+00	1.67E-07	3.01E-08	1.91E-07	2.94E-08	2.80E-08	4.45E-07	4.73E-07	1.74E-07	2.36E-07	8.83E-08	4.73E-07	1.74E-07
2905	488139.1	3857112	1.46E-03	1.42E-03	1.41E-03	5.05E-07	1.53E-06	8.83E-07	8.62E-07	7.81E-07	3.56E-07	3.52E-07	0.00E+00	0.00E+00	1.62E-07	2.93E-08	1.86E-07	2.86E-08	2.72E-08	4.33E-07	4.61E-07	1.69E-07	2.30E-07	8.59E-08	4.61E-07	1.69E-07
2906	488189.1	3857112	1.42E-03	1.39E-03	1.37E-03	4.93E-07	1.49E-06	8.62E-07	8.41E-07	7.63E-07	3.48E-07	3.43E-07	0.00E+00	0.00E+00	1.59E-07	2.86E-08	1.81E-07	2.79E-08	2.66E-08	4.23E-07	4.50E-07	1.65E-07	2.24E-07	8.39E-08	4.50E-07	1.65E-07
2907	488189.1	3857162	1.47E-03	1.43E-03	1.42E-03	5.09E-07	1.54E-06	8.90E-07	8.68E-07	7.87E-07	3.59E-07	3.54E-07	0.00E+00	0.00E+00	1.64E-07	2.95E-08	1.87E-07	2.88E-08	2.74E-08	4.36E-07	4.64E-07	1.70E-07	2.32E-07	8.66E-08	4.64E-07	1.70E-07
2908	487951	3856961	1.46E-03	1.42E-03	1.41E-03	5.05E-07	1.53E-06	8.83E-07	8.62E-07	7.81E-07	3.57E-07	3.52E-07	0.00E+00	0.00E+00	1.63E-07	2.93E-08	1.86E-07	2.86E-08	2.72E-08	4.33E-07	4.61E-07	1.69E-07	2.30E-07	8.59E-08	4.61E-07	1.69E-07
2909	488001	3856961	1.42E-03	1.39E-03	1.37E-03	4.92E-07	1.49E-06	8.61E-07	8.40E-07	7.61E-07	3.47E-07	3.43E-07	0.00E+00	0.00E+00	1.58E-07	2.85E-08	1.81E-07	2.79E-08	2.65E-08	4.22E-07	4.49E-07	1.65E-07	2.24E-07	8.37E-08	4.49E-07	1.65E-07
2910	488051	3856961	1.39E-03	1.35E-03	1.33E-03	4.80E-07	1.45E-06	8.38E-07	8.18E-07	7.41E-07	3.38E-07	3.34E-07	0.00E+00	0.00E+00	1.54E-07	2.78E-08	1.76E-07	2.72E-08	2.58E-08	4.11E-07	4.37E-07	1.60E-07	2.18E-07	8.15E-08	4.37E-07	1.60E-07
2911	488101	3856961	1.35E-03	1.32E-03	1.30E-03	4.69E-07	1.42E-06	8.20E-07	8.00E-07	7.25E-07	3.31E-07	3.27E-07	0.00E+00	0.00E+00	1.51E-07	2.72E-08	1.72E-07	2.66E-08	2.53E-08	4.02E-07	4.28E-07	1.57E-07	2.13E-07	7.98E-08	4.28E-07	1.57E-07
2912	487951	3857011	1.51E-03	1.48E-03	1.46E-03	5.24E-07	1.58E-06	9.16E-07	8.93E-07	8.10E-07	3.70E-07	3.65E-07	0.00E+00	0.00E+00	1.68E-07	3.03E-08	1.92E-07	2.97E-08	2.82E-08	4.49E-07	4.78E-07	1.75E-07	2.38E-07	8.91E-08	4.78E-07	1.75E-07
2913	488001	3857011	1.47E-03	1.43E-03	1.41E-03	5.09E-07	1.54E-06	8.89E-07	8.68E-07	7.87E-07	3.59E-07	3.54E-07	0.00E+00	0.00E+00	1.64E-07	2.95E-08	1.87E-07	2.88E-08	2.74E-08	4.36E-07	4.64E-07	1.70E-07	2.31E-07	8.65E-08	4.64E-07	1.70E-07
2914	488051	3857011	1.43E-03	1.39E-03	1.38E-03	4.95E-07	1.49E-06	8.65E-07	8.44E-07	7.65E-07	3.49E-07	3.44E-07	0.00E+00	0.00E+00	1.59E-07	2.86E-08	1.82E-07	2.80E-08	2.67E-08	4.24E-07	4.51E-07	1.65E-07	2.25E-07	8.41E-08	4.51E-07	1.65E-07
2915	488101	3857011	1.40E-03	1.36E-03	1.34E-03	4.83E-07	1.46E-06	8.45E-07	8.24E-07	7.47E-07	3.41E-07	3.36E-07	0.00E+00	0.00E+00	1.55E-07	2.80E-08	1.78E-07	2.74E-08	2.60E-08	4.14E-07	4.41E-07	1.62E-07	2.20E-07	8.22E-08	4.41E-07	1.62E-07
2916	488001	3857061	1.52E-03	1.48E-03	1.46E-03	5.27E-07	1.59E-06	9.21E-07	8.98E-07	8.14E-07	3.72E-07	3.67E-07	0.00E+00	0.00E+00	1.69E-07	3.05E-08	1.93E-07	2.98E-08	2.84E-08	4.52E-07	4.80E-07	1.76E-07	2.40E-07	8.96E-08	4.80E-07	1.76E-07
2917	488051	3857061	1.48E-03	1.44E-03	1.42E-03	5.12E-07	1.55E-06	8.95E-07	8.74E-07	7.92E-07	3.61E-07	3.57E-07	0.00E+00	0.00E+00	1.65E-07	2.96E-08	1.88E-07	2.90E-08	2.76E-08	4.39E-07	4.67E-07	1.71E-07	2.33E-07	8.71E-08	4.67E-07	1.71E-07
2918	488101	3857061	1.44E-03	1.41E-03	1.39E-03	4.99E-07	1.51E-06	8.72E-07	8.51E-07	7.72E-07	3.52E-07	3.47E-07	0.00E+00	0.00E+00	1.60E-07	2.89E-08	1.83E-07	2.83E-08	2.69E-08	4.28E-07	4.55E-07	1.67E-07	2.27E-07	8.49E-08	4.55E-07	1.67E-07
2919	487639	3856674	1.43E-03	1.39E-03	1.37E-03	4.94E-07	1.49E-06	8.64E-07	8.43E-07	7.64E-07	3.49E-07	3.44E-07	0.00E+00	0.00E+00	1.59E-07	2.86E-08	1.82E-07	2.80E-08	2.66E-08	4.24E-07	4.51E-07	1.65E-07	2.25E-07	8.40E-08	4.51E-07	1.65E-07

2920	487689	3856674	1.39E-03	1.36E-03	1.34E-03	4.81E-07	1.45E-06	8.40E-07	8.20E-07	7.43E-07	3.39E-07	3.35E-07	0.00E+00	0.00E+00	1.55E-07	2.78E-08	1.77E-07	2.72E-08	2.59E-08	4.12E-07	4.38E-07	1.61E-07	2.19E-07	8.18E-08	4.38E-07	1.61E-07
2921	487639	3856724	1.48E-03	1.44E-03	1.42E-03	5.12E-07	1.55E-06	8.95E-07	8.73E-07	7.91E-07	3.61E-07	3.56E-07	0.00E+00	0.00E+00	1.65E-07	2.96E-08	1.88E-07	2.90E-08	2.76E-08	4.39E-07	4.67E-07	1.71E-07	2.33E-07	8.70E-08	4.67E-07	1.71E-07
2922	487689	3856724	1.44E-03	1.40E-03	1.38E-03	4.97E-07	1.50E-06	8.69E-07	8.48E-07	7.69E-07	3.51E-07	3.46E-07	0.00E+00	0.00E+00	1.60E-07	2.88E-08	1.83E-07	2.82E-08	2.68E-08	4.26E-07	4.53E-07	1.66E-07	2.26E-07	8.46E-08	4.53E-07	1.66E-07
2923	486324.6	3855741	1.59E-03	1.55E-03	1.53E-03	5.51E-07	1.66E-06	9.64E-07	9.40E-07	8.52E-07	3.89E-07	3.84E-07	0.00E+00	0.00E+00	1.77E-07	3.19E-08	2.03E-07	3.12E-08	2.97E-08	4.73E-07	5.03E-07	1.84E-07	2.51E-07	9.38E-08	5.03E-07	1.84E-07
2924	486374.6	3855741	1.50E-03	1.47E-03	1.45E-03	5.20E-07	1.57E-06	9.10E-07	8.88E-07	8.05E-07	3.67E-07	3.62E-07	0.00E+00	0.00E+00	1.67E-07	3.01E-08	1.91E-07	2.95E-08	2.81E-08	4.46E-07	4.75E-07	1.74E-07	2.37E-07	8.85E-08	4.75E-07	1.74E-07
2925	486424.6	3855741	1.44E-03	1.41E-03	1.39E-03	4.99E-07	1.51E-06	8.73E-07	8.52E-07	7.72E-07	3.52E-07	3.48E-07	0.00E+00	0.00E+00	1.61E-07	2.89E-08	1.83E-07	2.83E-08	2.69E-08	4.28E-07	4.55E-07	1.67E-07	2.27E-07	8.49E-08	4.55E-07	1.67E-07
2926	486324.6	3855791	1.67E-03	1.63E-03	1.60E-03	5.76E-07	1.74E-06	1.01E-06	9.83E-07	8.91E-07	4.07E-07	4.01E-07	0.00E+00	0.00E+00	1.85E-07	3.34E-08	2.12E-07	3.27E-08	3.11E-08	4.94E-07	5.26E-07	1.93E-07	2.62E-07	9.80E-08	5.26E-07	1.93E-07
2927	486374.6	3855791	1.57E-03	1.53E-03	1.51E-03	5.44E-07	1.64E-06	9.50E-07	9.27E-07	8.41E-07	3.84E-07	3.79E-07	0.00E+00	0.00E+00	1.75E-07	3.15E-08	2.00E-07	3.08E-08	2.93E-08	4.66E-07	4.96E-07	1.82E-07	2.47E-07	9.25E-08	4.96E-07	1.82E-07
2928	486424.6	3855791	1.51E-03	1.48E-03	1.46E-03	5.23E-07	1.58E-06	9.15E-07	8.93E-07	8.09E-07	3.69E-07	3.64E-07	0.00E+00	0.00E+00	1.68E-07	3.03E-08	1.92E-07	2.97E-08	2.82E-08	4.49E-07	4.77E-07	1.75E-07	2.38E-07	8.90E-08	4.77E-07	1.75E-07
2929	486324.6	3855841	1.75E-03	1.71E-03	1.68E-03	6.05E-07	1.83E-06	1.06E-06	1.03E-06	9.35E-07	4.27E-07	4.21E-07	0.00E+00	0.00E+00	1.95E-07	3.50E-08	2.22E-07	3.43E-08	3.26E-08	5.19E-07	5.52E-07	2.02E-07	2.75E-07	1.03E-07	5.52E-07	2.02E-07
2930	486374.6	3855841	1.67E-03	1.63E-03	1.61E-03	5.77E-07	1.74E-06	1.01E-06	9.85E-07	8.93E-07	4.07E-07	4.02E-07	0.00E+00	0.00E+00	1.86E-07	3.34E-08	2.12E-07	3.27E-08	3.11E-08	4.95E-07	5.27E-07	1.93E-07	2.63E-07	9.82E-08	5.27E-07	1.93E-07
2931	486424.6	3855841	1.59E-03	1.55E-03	1.53E-03	5.51E-07	1.66E-06	9.63E-07	9.39E-07	8.52E-07	3.89E-07	3.83E-07	0.00E+00	0.00E+00	1.77E-07	3.19E-08	2.02E-07	3.12E-08	2.97E-08	4.72E-07	5.02E-07	1.84E-07	2.51E-07	9.37E-08	5.02E-07	1.84E-07
2932	486324.6	3855891	1.87E-03	1.83E-03	1.80E-03	6.47E-07	1.95E-06	1.13E-06	1.10E-06	1.00E-06	4.57E-07	4.51E-07	0.00E+00	0.00E+00	2.08E-07	3.75E-08	2.38E-07	3.67E-08	3.49E-08	5.55E-07	5.90E-07	2.17E-07	2.95E-07	1.10E-07	5.90E-07	2.17E-07
2933	486374.6	3855891	1.77E-03	1.73E-03	1.71E-03	6.14E-07	1.85E-06	1.07E-06	1.05E-06	9.50E-07	4.33E-07	4.28E-07	0.00E+00	0.00E+00	1.97E-07	3.56E-08	2.26E-07	3.48E-08	3.31E-08	5.27E-07	5.60E-07	2.05E-07	2.79E-07	1.04E-07	5.60E-07	2.05E-07
2934	486424.6	3855891	1.68E-03	1.64E-03	1.62E-03	5.83E-07	1.76E-06	1.02E-06	9.94E-07	9.01E-07	4.11E-07	4.06E-07	0.00E+00	0.00E+00	1.87E-07	3.37E-08	2.14E-07	3.30E-08	3.14E-08	5.00E-07	5.31E-07	1.95E-07	2.65E-07	9.91E-08	5.31E-07	1.95E-07
2935	488735.7	3858286	3.18E-03	3.10E-03	3.06E-03	1.10E-06	3.33E-06	1.92E-06	1.88E-06	1.70E-06	7.77E-07	7.67E-07	0.00E+00	0.00E+00	3.54E-07	6.38E-08	4.05E-07	6.24E-08	5.94E-08	9.44E-07	1.00E-06	3.68E-07	5.01E-07	1.87E-07	1.00E-06	3.68E-07
2936	488765.7	3858286	3.06E-03	2.99E-03	2.95E-03	1.06E-06	3.20E-06	1.85E-06	1.81E-06	1.64E-06	7.48E-07	7.38E-07	0.00E+00	0.00E+00	3.41E-07	6.14E-08	3.90E-07	6.01E-08	5.72E-08	9.09E-07	9.67E-07	3.55E-07	4.83E-07	1.80E-07	9.67E-07	3.55E-07
2937	488735.7	3858316	3.35E-03	3.27E-03	3.23E-03	1.16E-06	3.50E-06	2.03E-06	1.98E-06	1.79E-06	8.19E-07	8.08E-07	0.00E+00	0.00E+00	3.73E-07	6.72E-08	4.26E-07	6.57E-08	6.26E-08	9.95E-07	1.06E-06	3.88E-07	5.28E-07	1.97E-07	1.06E-06	3.88E-07
2938	488765.7	3858316	3.22E-03	3.14E-03	3.10E-03	1.11E-06	3.36E-06	1.95E-06	1.90E-06	1.72E-06	7.86E-07	7.76E-07	0.00E+00	0.00E+00	3.58E-07	6.45E-08	4.09E-07	6.31E-08	6.01E-08	9.55E-07	1.02E-06	3.73E-07	5.07E-07	1.89E-07	1.02E-06	3.73E-07
2939	478676.6	3849872	3.24E-03	3.17E-03	3.12E-03	1.12E-06	3.39E-06	1.96E-06	1.92E-06	1.74E-06	7.92E-07	7.82E-07	0.00E+00	0.00E+00	3.61E-07	6.50E-08	4.13E-07	6.36E-08	6.05E-08	9.63E-07	1.02E-06	3.76E-07	5.11E-07	1.91E-07	1.02E-06	3.76E-07
2940	479326.6	3849872	1.94E-03	1.90E-03	1.87E-03	6.72E-07	2.03E-06	1.18E-06	1.15E-06	1.04E-06	4.74E-07	4.68E-07	0.00E+00	0.00E+00	2.16E-07	3.89E-08	2.47E-07	3.81E-08	3.62E-08	5.76E-07	6.13E-07	2.25E-07	3.06E-07	1.14E-07	6.13E-07	2.25E-07
2941	479376.6	3849872	1.88E-03	1.84E-03	1.81E-03	6.52E-07	1.97E-06	1.14E-06	1.11E-06	1.01E-06	4.60E-07	4.54E-07	0.00E+00	0.00E+00	2.10E-07	3.77E-08	2.40E-07	3.69E-08	3.51E-08	5.59E-07	5.94E-07	2.18E-07	2.97E-07	1.11E-07	5.94E-07	2.18E-07
2942	479426.6	3849872	1.84E-03	1.79E-03	1.77E-03	6.36E-07	1.92E-06	1.11E-06	1.09E-06	9.84E-07	4.49E-07	4.43E-07	0.00E+00	0.00E+00	2.05E-07	3.68E-08	2.34E-07	3.60E-08	3.43E-08	5.45E-07	5.80E-07	2.13E-07	2.90E-07	1.08E-07	5.80E-07	2.13E-07
2943	478726.6	3849922	3.42E-03	3.33E-03	3.29E-03	1.18E-06	3.57E-06	2.07E-06	2.02E-06	1.83E-06	8.34E-07	8.23E-07	0.00E+00	0.00E+00	3.80E-07	6.85E-08	4.34E-07	6.70E-08	6.37E-08	1.01E-06	1.08E-06	3.95E-07	5.38E-07	2.01E-07	1.08E-06	3.95E-07
2944	478776.6	3849922	3.25E-03	3.17E-03	3.13E-03	1.13E-06	3.40E-06	1.97E-06	1.92E-06	1.74E-06	7.94E-07	7.84E-07	0.00E+00	0.00E+00	3.62E-07	6.52E-08	4.14E-07	6.38E-08	6.07E-08	9.65E-07	1.03E-06	3.76E-07	5.12E-07	1.91E-07	1.03E-06	3.76E-07
2945	478826.6	3849922	3.10E-03	3.02E-03	2.98E-03	1.07E-06	3.24E-06	1.88E-06	1.83E-06	1.66E-06	7.57E-07	7.47E-07	0.00E+00	0.00E+00	3.45E-07	6.21E-08	3.94E-07	6.08E-08	5.78E-08	9.20E-07	9.78E-07	3.59E-07	4.88E-07	1.82E-07	9.78E-07	3.59E-07
2946	478976.6	3849922	2.72E-03	2.65E-03	2.61E-03	9.40E-07	2.84E-06	1.64E-06	1.60E-06	1.45E-06	6.63E-07	6.54E-07	0.00E+00	0.00E+00	3.02E-07	5.44E-08	3.45E-07	5.33E-08	5.07E-08	8.06E-07	8.57E-07	3.14E-07	4.28E-07	1.60E-07	8.57E-07	3.14E-07
2947	479026.6	3849922	2.62E-03	2.56E-03	2.52E-03	9.07E-07	2.74E-06	1.59E-06	1.55E-06	1.40E-06	6.40E-07	6.31E-07	0.00E+00	0.00E+00	2.92E-07	5.25E-08	3.33E-07	5.14E-08	4.89E-08	7.78E-07	8.27E-07	3.03E-07	4.13E-07	1.54E-07	8.27E-07	3.03E-07
2948	479076.6	3849922	2.52E-03	2.46E-03	2.43E-03	8.73E-07	2.64E-06	1.53E-06	1.49E-06	1.35E-06	6.16E-07	6.08E-07	0.00E+00	0.00E+00	2.81E-07	5.06E-08	3.21E-07	4.95E-08	4.71E-08	7.49E-07	7.96E-07	2.92E-07	3.97E-07	1.48E-07	7.96E-07	2.92E-07
2949	479126.6	3849922	2.43E-03	2.37E-03	2.34E-03	8.40E-07	2.54E-06	1.47E-06	1.43E-06	1.30E-06	5.93E-07	5.85E-07	0.00E+00	0.00E+00	2.70E-07	4.87E-08	3.09E-07	4.76E-08	4.53E-08	7.21E-07	7.66E-07	2.81E-07	3.82E-07	1.43E-07	7.66E-07	2.81E-07
2950	479176.6	3849922	2.35E-03	2.29E-03	2.26E-03	8.12E-07	2.45E-06	1.42E-06	1.38E-06	1.26E-06	5.73E-07	5.65E-07	0.00E+00	0.00E+00	2.61E-07	4.70E-08	2.98E-07	4.60E-08	4.38E-08	6.96E-07	7.40E-07	2.71E-07	3.69E-07	1.38E-07	7.40E-07	2.71E-07
2951	479226.6	3849922	2.25E-03	2.19E-03	2.17E-03	7.79E-07	2.35E-06	1.36E-06	1.33E-06	1.20E-06	5.49E-07	5.42E-07	0.00E+00	0.00E+00	2.50E-07	4.51E-08	2.86E-07	4.41E-08	4.20E-08	6.68E-07	7.10E-07	2.60E-07	3.54E-07	1.32E-07	7.10E-07	2.60E-07
2952	479276.6	3849922	2.13E-03	2.08E-03	2.05E-03	7.38E-07	2.23E-06	1.29E-06	1.26E-06	1.14E-06	5.21E-07	5.14E-07	0.00E+00	0.00E+00	2.37E-07	4.27E-08	2.71E-07	4.18E-08	3.98E-08	6.33E-07	6.73E-07	2.47E-07	3.36E-07	1.26E-07	6.73E-07	2.47E-07
2953	479326.6	3849922	2.11E-03	2.06E-03	2.03E-03	7.30E-07	2.20E-06	1.28E-06	1.24E-06	1.13E-06	5.15E-07	5.08E-07	0.00E+00	0.00E+00	2.35E-07	4.22E-08	2.68E-07	4.13E-08	3.93E-08	6.26E-07	6.65E-07	2.44E-07	3.32E-07	1.24E-07	6.65E-07	2.44E-07
2954	479376.6	3849922	2.00E-03	1.95E-03	1.93E-03	6.94E-07	2.09E-06	1.21E-06	1.18E-06	1.07E-06	4.89E-07	4.83E-07	0.00E+00	0.00E+00	2.23E-07	4.02E-08	2.55E-07	3.93E-08	3.74E-08	5.95E-07	6.32E-07	2.32E-07	3.16E-07	1.18E-07	6.32E-07	2.32E-07
2955	479426.6	3849922	1.97E-03	1.92E-03	1.90E-03	6.82E-07	2.06E-06	1.19E-06	1.16E-06	1.05E-06	4.81E-07	4.75E-07	0.00E+00	0.00E+00	2.19E-07	3.95E-08	2.50E-07	3.86E-08	3.67E-08	5.85E-07	6.22E-07	2.28E-07	3.10E-07	1.16E-07	6.22E-07	2.28E-07
2956	478726.6	3849972	3.81E-03	3.71E-03	3.67E-03	1.32E-06	3.98E-06	2.30E-06	2.25E-06	2.04E-06	9.30E-07	9.17E-07	0.00E+00	0.00E+00	4.24E-07	7.63E-08	4.84E-07	7.47E-08	7.10E-08	1.13E-06	1.20E-06	4.41E-07	6.00E-07	2.24E-07	1.20E-06	4.41E-07
2957	478776.6	3849972	3.60E-03	3.52E-03	3.47E-03	1.25E-06	3.77E-06	2.18E-06	2.13E-06	1.93E-06	8.80E-07	8.68E-07	0.00E+00	0.00E+00	4.01E-07	7.22E-08	4.58E-07	7.07E-08	6.72E-08	1.07E-06	1.14E-06	4.17E-07	5.68E-07	2.12E-07	1.14E-06	4.17E-07
2958	478826.6	3849972	3.42E-03	3.33E-03	3.29E-03	1.18E-06	3.57E-06	2.07E-06	2.02E-06	1.83E-06	8.34E-07	8.23E-07	0.00E+00	0.00E+00	3.80E-07	6.85E-08	4.34E-07	6.70E-08	6.38E-08	1.01E-06	1.08E-06	3.95E-07	5.38E-07	2.01E-07	1.08E-06	3.95E-07
2959	478976.6	3849972	2.97E-03	2.90E-03	2.86E-03	1.03E-06	3.11E-06	1.80E-06	1.75E-06	1.59E-06	7.26E-07	7.16E-07	0.00E+00	0.00E+00	3.31E-07	5.96E-08	3.78E-07	5.83E-08	5.55E-08	8.82E-07	9.38E-07	3.44E-07	4.68E-07	1.75E-07	9.38E-07	3.44E-07
2960	479026.6	3849972	2.84E-03	2.77E-03	2.74E-03	9.84E-07	2.97E-06	1.72E-06	1.68E-06	1.52E-06	6.94E-07	6.85E-07	0.00E+00	0.00E+00	3.16E-07	5.70E-08	3.61E-07	5.57E-08	5.30E-08	8.44E-07	8.97E-07	3.29E-07	4.48E-07	1.67E-07	8.97E-07	3.29E-07
2961	479076.6	3849972	2.72E-03	2.66E-03	2.62E-03	9.43E-07	2.85E-06	1.65E-06	1.61E-06	1.46E-06	6.65E-07	6.56E-07	0.00E+00	0.00E+00	3.03E-07	5.46E-08	3.46E-07	5.34E-08	5.08E-08	8.08E-07	8.60E-07	3.15E-07	4.29E-07	1.60E-07	8.60E-07	3.15E-07
2962	479126.6	3849972	2.62E-03	2.55E-03	2.52E-03	9.06E-07	2.74E-06	1.58E-06	1.55E-06	1.40E-06	6.39E-07	6.31E-07	0.00E+00	0.00E+00	2.91E-07	5.25E-08	3.33E-07	5.13E-08	4.88E-08	7.77E-07	8.26E-07	3.03E-07	4.12E-07	1.54E-07	8.26E-07	3.03E-07
2963	479176.6	3849972	2.52E-03	2.46E-03	2.43E-03	8.73E-07	2.64E-06	1.53E-06	1.49E-06	1.35E-06	6.16E-07	6.08E-07	0.00E+00	0.00E+00	2.81E-07	5.05E-08	3.21E-07	4.94E-08	4.70E-08	7.48E-07	7.96E-07	2.92E-07	3.97E-07	1.48E-07	7.96E-07	2.92E-07
2964	479226.6	3849972	2.37E-03	2.31E-03	2.28E-03	8.21E-07	2.48E-06	1.43E-06	1.40E-06	1.27E-06	5.79E-07	5.71E-07	0.00E+00	0.00E+00	2.64E-07	4.75E-08	3.02E-07	4.65E-08	4.42E-08	7.04E-07	7.48E-07	2.75E-07	3.74E-07	1.40E-07	7.48E-07	2.75E-07
2965	479276.6	3849972	2.32E-03	2.27E-03	2.24E-03	8.04E-07	2.43E-06	1.41E-06	1.37E-06	1.24E-06	5.68E-07	5.60E-07	0.00E+00	0.00E+00	2.59E-07	4.66E-08	2.96E-07	4.56E-08	4.34E-08	6.90E-07	7.33E-07	2.69E-07	3.66E-07	1.37E-07	7.33E-07	2.69E-07
2966	479326.6	3849972	2.27E-03	2.21E-03	2.18E-03	7.85E-07	2.37E-06	1.37E-06	1.34E-06	1.21E-06	5.54E-07	5.47E-07	0.00E+00	0.00E+00	2.53E-07	4.55E-08	2.88E-07	4.45E-08	4.23E-08	6.73E-07	7.16E-07	2.63E-07	3.57E-07	1.34E-07	7.16E-07	2.63E-07
2967	479376.6	3849972	2.16E-03	2.11E-03	2.08E-03	7.47E-07	2.26E-06	1.31E-06	1.27E-06	1.16E-06	5.27E-07	5.20E-07	0.00E+00	0.00E+00	2.40E-07	4.33E-08	2.75E-07	4.23E-08	4.03E-08	6.41E-07	6.81E-07	2.50E-07	3.40E-07	1.27E-07	6.81E-07	2.50E-07
2968	479426.6	3849972	2.10E-03	2.05E-03	2.02E-03	7.27E-07	2.19E-06	1.27E-06	1.24E-06	1.12E-06	5.13E-07	5.06E-07	0.00E+00	0.00E+00	2.34E-07	4.21E-08	2.67E-07	4.12E-08	3.92E-08	6.23E-07	6.62E-07	2.43E-07	3.31E-07	1.24E-07	6.62E-07	2.43E-07
2969	478726.6	3850022	4.30E-03	4.20E-03	4.14E-03	1.49E-06	4.50E-06	2.60E-06	2.54E-06	2.30E-06	1.05E-06	1.04E-06	0.00E+00	0.00E+00	4.79E-07	8.62E-08	5.47E-07	8.44E-08	8.03E-08	1.28E-06	1.36E-06	4.98E-07	6.78E-07	2.53E-07	1.36E-06	4.98E-07
2970	478776.6	3850022	4.04E-03	3.94E-03	3.89E-03	1.40E-06	4.22E-06	2.44E-06	2.39E-06	2.16E-06	9.87E-07	9.74E-07	0.00E+00	0.00E+00	4.50E-07	8.10E-08	5.14E-07	7.92E-08	7.54E-08	1.20E-06	1.28E-06	4.68E-07	6.37E-07	2.38E-07	1.28E-06	4.68E-07
2971	478826.6	3850022	3.81E-03	3.72E-03	3.67E-03	1.32E-06	3.98E-06	2.31E-06	2.25E-06	2.04E-06	9.30E-07	9.18E-07	0.00E+00	0.00E+00	4.24E-07	7.64E-08	4.84E-07	7.47E-08	7.11E-08	1.13E-06	1.20E-06	4.41E-07	6.00E-07	2.24E-07	1.20E-06	4.41E-07
2972	478976.6	3850022	3.26E-03	3.18E-03	3.14E-03	1.13E-06	3.41E-06	1.97E-06	1.92E-06	1.74E-06	7.96E-07	7.85E-07	0.00E+00	0.00E+00	3.63E-07	6.53E-08	4.14E-07	6.39E-08	6.08E-08	9.67E-07	1.03E-06	3.77E-07	5.13E-07	1.92E-07	1.03E-06	3.77E-07
2973	478726.6	3850072	4.95E-03	4.83E-03	4.77E-03	1.71E-06	5.18E-06	3.00E-06	2.92E-06	2.65E-06	1.21E-06	1.19E-06	0.00E+00	0.00E+00	5.51E-07	9.93E-08	6.30E-07	9.71E-08	9.24E-08	1.47E-06	1.56E-06	5.73E-07	7.80E-07	2.92E-07	1.56E-06	5.73E-07
2974	478776.6	3850072	4.61E-03	4.50E-03	4.44E-03	1.59E-06	4.82E-06	2.79E-06	2.72E-06	2.47E-06	1.13E-06	1.11E-06	0.00E+00	0.00E+00	5.13E-07	9.23E-08	5.86E-07	9.03E-08	8.60E-08	1.37E-06	1.45E-06	5.33E-07	7.26E-07	2.71E-07	1.45E-06	5.33E-07
2975	478826.6	3850072	4.31E-03	4.20E-03	4.15E-03	1.49E-06	4.50E-06	2.61E-06	2.54E-06	2.31E-06	1.05E-06	1.04E-06	0.00E+00	0.00E+00	4.79E-07	8.63E-08	5.48E-07	8.45E-08	8.04E-08	1.28E-06	1.36E-06	4.99E-07	6.79E-07	2.54E-07	1.36E-06	4.99E-07
2976	478876.6	3850072	4.05E-03	3.95E-03	3.90E-03	1.40E-06	4.23E-06	2.45E-06	2.39E-06	2.17E-06	9.88E-07	9.75E-07	0.00E+00	0.00E+00	4.50E-07	8.11E-08	5.15E-07	7.93E-08	7.55E-08	1.20E-06	1.28E-06	4.68E-07	6.37E-07	2.38E-07	1.28E-06	4.68E-07
2977	478976.6	3850072	3.61E-03	3.52E-03	3.48E-03	1.25E-06	3.77E-06	2.18E-06	2.13E-06	1.93E-06	8.82E-07	8.70E-07	0.00E+00	0.00E+00	4.02E-07	7.24E-08	4.59E-07	7.08E-08	6.74E-08	1.07E-06	1.14E-06	4.18E-07	5.69E-07	2.13E-07	1.14E-06	4.18E-07
2978	478726.6	3850122	5.85E-03	5.71E-03	5.63E-03	2.02E-06	6.11E-06	3.54E-06	3.45E-06	3.13E-06	1.43E-06	1.41E-06	0.00E+00	0.00E+00	6.51E-07	1.17E-07	7.44E-07	1.15E-07	1.09E-07	1.74E-06	1.85E-06	6.77E-07	9.21E-07	3.44E-07	1.85E-06	6.77E-07
2979	478776.6	3850122	5.37E-03	5.24E-03	5.17E-03	1.86E-06	5.61E-06	3.25E-06	3.17E-06	2.87E-06	1.31E-06	1.29E-06	0.00E+00	0.00E+00	5.98E-07	1.08E-07	6.83E-07	1.05E-07	1.00E-07	1.59E-06	1.69E-06	6.21E-07	8.46E-07	3.16E-07	1.69E-06	6.21E-07
2980	478826.6	3850122	4.96E-03	4.84E-03	4.78E-03	1.72E-06	5.19E-06	3.00E-06	2.93E-06	2.66E-06	1.21E-06	1.20E-06	0.00E+00	0.00E+00	5.52E-07	9.95E-08	6.31E-07	9.73E-08	9.26E-08	1.47E-06	1.57E-06	5.75E-07	7.82E-07	2.92E-07	1.57E-06	5.75E-07
2981	478876.6	3850122	4.62E-03	4.50E-03	4.44E-03	1.60E-06	4.82E-06	2.79E-06	2.73E-06	2.47E-06	1.13E-06	1.11E-06	0.00E+00	0.00E+00	5.14E-07	9.25E-08	5.87E-07	9.05E-08	8.61E-08	1.37E-06	1.46E-06	5.34E-07	7.27E-07	2.72E-07	1.46E-06	5.34E-07
2982	478976.6	3850122	4.05E-03	3.96E-03	3.90E-03	1.40E-06	4.24E-06	2.45E-06	2.39E-06	2.17E-06	9.90E-07	9.77E-07	0.00E+00	0.00E+00	4.51E-07	8.13E-08	5.16E-07	7.95E-08	7.56E-08	1.20E-06	1.28E-06	4.69E-07	6.39E-07	2.39E-07	1.28E-06	4.69E-07
2983	479026.6	3850122	3.82E-03	3.73E-03	3.68E-03	1.32E-06	4.00E-06	2.31E-06	2.26E-06	2.05E-06	9.34E-07	9.21E-07	0.00E+00	0.00E+00	4.26E-07	7.66E-08	4.86E-07	7.50E-08	7.13E-08	1.13E-06	1.21E-06	4.43E-07	6.02E-07	2.25E-07	1.21E-06	4.43E-07
2984	479076.6	3850122	3.61E-03	3.53E-03	3.48E-03	1.25E-06	3.78E-06	2.19E-06	2.13E-06	1.93E-06	8.83E-07	8.71E-07	0.00E+00	0.00E+00	4.02E-07	7.24E-08	4.60E-07	7.09E-08	6.74E-08	1.07E-06	1.14E-06	4.18E-07	5.69E-07	2.13E-07	1.14E-06	4.18E-07
2985	479126.6	3850122	3.43E-03	3.34E-03	3.30E-03	1.19E-06	3.58E-06	2.07E-06	2.02E-06	1.83E-06	8.37E-07	8.26E-07	0.00E+00	0.00E+00	3.82E-07	6.87E-08	4.36E-07	6.72E-08	6.40E-08	1.02E-06	1.08E-06	3.97E-07	5.40E-07	2.02E-07	1.08E-06	3.97E-07
2986	478776.6	3850172	6.45E-03	6.29E-03	6.21E-03	2.23E-06	6.74E-06	3.90E-06	3.81E-06	3.45E-06	1.57E-06	1.55E-06	0.00E+00	0.00E+00	7.18E-07	1.29E-07	8.20E-07	1.26E-07	1.20E-07	1.91E-06	2.04E-06	7.46E-07	1.02E-06	3.80E-07	2.04E-06	7.46E-07
2987	478826.6	3850172	5.87E-03	5.73E-03	5.65E-03	2.03E-06	6.13E-06	3.55E-06	3.46E-06	3.14E-06	1.43E-06	1.41E-06	0.00E+00	0.00E+00	6.53E-07	1.18E-07	7.46E-07	1.15E-07	1.09E-07	1.74E-06	1.85E-06	6.79E-07	9.24E-07	3.45E-07	1.85E-06	6.79E-07
2988	478876.6	3850172	5.38E-03	5.25E-03	5.18E-03	1.86E-06	5.63E-06	3.26E-06	3.18E-06	2.88E-06	1.32E-06	1.30E-06	0.00E+00	0.00E+00	5.99E-07	1.08E-07	6.85E-07	1.06E-07	1.00E-07	1.60E-06	1.70E-06	6.23E-07	8.48E-07	3.17E-07	1.70E-06	6.23E-07
2989	478976.6	3850172	4.63E-03	4.52E-03	4.46E-03	1.60E-06	4.84E-06	2.80E-06	2.73E-06	2.48E-06	1.13E-06	1.12E-06	0.00E+00	0.00E+00	5.15E-07	9.27E-08	5.89E-07	9.08E-08	8.64E-08	1.37E-06	1.46E-06	5.36E-07	7.29E-07	2.72E-07	1.46E-06	5.36E-07
2990	479026.6	3850172	4.33E-03	4.22E-03	4.17E-03	1.50E-06	4.52E-06	2.62E-06	2.55E-06	2.32E-06	1.06E-06	1.04E-06	0.00E+00	0.00E+00	4.82E-07	8.67E-08	5.50E-07	8.49E-08	8.07E-08	1.28E-06	1.37E-06	5.01E-07	6.82E-07	2.55E-07	1.37E-06	5.01E-07
2991	479076.6	3850172	4.06E-03	3.97E-03	3.91E-03	1.41E-06	4.25E-06	2.46E-06	2.40E-06	2.18E-06	9.92E-07	9.79E-07	0.00E+00	0.00E+00	4.52E-07	8.14E-08	5.17E-07	7.97E-08	7.58E-08	1.21E-06	1.28E-06	4.70E-07	6.40E-07	2.39E-07	1.28E-06	4.70E-07
2992	479126.6	3850172	3.83E-03	3.74E-03	3.69E-03	1.33E-06	4.00E-06	2.32E-06	2.26E-06	2.05E-06	9.36E-07	9.23E-07	0.00E+00	0.00E+00	4.26E-07	7.68E-08	4.87E-07	7.51E-08	7.15E-08	1.14E-06	1.21E-06	4.43E-07	6.03E-07	2.25E-07	1.21E-06	4.43E-07
2993	479176.6	3850172	3.63E-03	3.54E-03	3.49E-03	1.26E-06	3.79E-06	2.19E-06	2.14E-06	1.94E-06	8.85E-07	8.74E-07	0.00E+00	0.00E+00	4.04E-07	7.27E-08	4.61E-07	7.11E-08	6.77E-08	1.08E-06	1.14E-06	4.20E-07	5.71E-07	2.13E-07	1.14E-06	4.20E-07
2994	479226.6	3850172	3.45E-03	3.37E-03	3.32E-03	1.19E-06	3.60E-06	2.09E-06	2.04E-06	1.85E-06	8.42E-07	8.31E-07	0.00E+00	0.00E+00	3.84E-07	6.91E-08	4.39E-07	6.76E-08	6.43E-08	1.02E-06	1.09E-06	3.99E-07	5.43E-07	2.03E-07	1.09E-06	3.99E-07
2995	479276.6	3850172	3.29E-03	3.21E-03	3.17E-03	1.14E-06	3.44E-06	1.99E-06	1.94E-06	1.76E-06	8.03E-07	7.92E-07	0.00E+00	0.00E+00	3.66E-07	6.59E-08	4.18E-07	6.45E-08	6.13E-08	9.76E-07	1.04E-06	3.81E-07	5.18E-07	1.94E-07	1.04E-06	3.81E-07
2996	479326.6	3850172	3.14E-03	3.06E-03	3.02E-03	1.09E-06	3.28E-06	1.90E-06	1.85E-06	1.68E-06	7.66E-07	7.56E-07	0.00E+00	0.00E+00	3.49E-07	6.29E-08	3.99E-07	6.15E-08	5.85E-08	9.31E-07	9.90E-07	3.63E-07	4.94E-07	1.85E-07	9.90E-07	3.63E-07

2997	479376.6	3850172	2.99E-03	2.92E-03	2.88E-03	1.04E-06	3.13E-06	1.81E-06	1.77E-06	1.60E-06	7.31E-07	7.22E-07	0.00E+00	0.00E+00	3.33E-07	6.00E-08	3.81E-07	5.87E-08	5.59E-08	8.89E-07	9.45E-07	3.47E-07	4.72E-07	1.76E-07	9.45E-07	3.47E-07
2998	478676.6	3850222	1.09E-02	1.06E-02	1.05E-02	3.77E-06	1.14E-05	6.58E-06	6.42E-06	5.82E-06	2.66E-06	2.62E-06	0.00E+00	0.00E+00	1.21E-06	2.18E-07	1.38E-06	2.13E-07	2.03E-07	3.23E-06	3.43E-06	1.26E-06	1.71E-06	6.40E-07	3.43E-06	1.26E-06
2999	478726.6	3850222	9.28E-03	9.06E-03	8.94E-03	3.21E-06	9.70E-06	5.62E-06	5.48E-06	4.97E-06	2.27E-06	2.24E-06	0.00E+00	0.00E+00	1.03E-06	1.86E-07	1.18E-06	1.82E-07	1.73E-07	2.75E-06	2.93E-06	1.07E-06	1.46E-06	5.46E-07	2.93E-06	1.07E-06
3000	478976.6	3850222	5.40E-03	5.27E-03	5.20E-03	1.87E-06	5.64E-06	3.27E-06	3.19E-06	2.89E-06	1.32E-06	1.30E-06	0.00E+00	0.00E+00	6.01E-07	1.08E-07	6.86E-07	1.06E-07	1.01E-07	1.60E-06	1.70E-06	6.25E-07	8.50E-07	3.18E-07	1.70E-06	6.25E-07
3001	479026.6	3850222	4.99E-03	4.87E-03	4.80E-03	1.73E-06	5.21E-06	3.02E-06	2.94E-06	2.67E-06	1.22E-06	1.20E-06	0.00E+00	0.00E+00	5.55E-07	1.00E-07	6.34E-07	9.78E-08	9.31E-08	1.48E-06	1.57E-06	5.77E-07	7.86E-07	2.94E-07	1.57E-06	5.77E-07
3002	479076.6	3850222	4.64E-03	4.53E-03	4.47E-03	1.61E-06	4.85E-06	2.81E-06	2.74E-06	2.48E-06	1.13E-06	1.12E-06	0.00E+00	0.00E+00	5.17E-07	9.30E-08	5.90E-07	9.10E-08	8.66E-08	1.38E-06	1.46E-06	5.37E-07	7.31E-07	2.73E-07	1.46E-06	5.37E-07
3003	479126.6	3850222	4.34E-03	4.23E-03	4.18E-03	1.50E-06	4.53E-06	2.62E-06	2.56E-06	2.32E-06	1.06E-06	1.05E-06	0.00E+00	0.00E+00	4.83E-07	8.69E-08	5.52E-07	8.51E-08	8.09E-08	1.29E-06	1.37E-06	5.02E-07	6.83E-07	2.55E-07	1.37E-06	5.02E-07
3004	479176.6	3850222	4.08E-03	3.98E-03	3.92E-03	1.41E-06	4.26E-06	2.47E-06	2.41E-06	2.18E-06	9.95E-07	9.82E-07	0.00E+00	0.00E+00	4.54E-07	8.17E-08	5.18E-07	7.99E-08	7.60E-08	1.21E-06	1.29E-06	4.72E-07	6.42E-07	2.40E-07	1.29E-06	4.72E-07
3005	479226.6	3850222	3.84E-03	3.75E-03	3.70E-03	1.33E-06	4.02E-06	2.33E-06	2.27E-06	2.06E-06	9.39E-07	9.26E-07	0.00E+00	0.00E+00	4.28E-07	7.70E-08	4.89E-07	7.54E-08	7.17E-08	1.14E-06	1.21E-06	4.45E-07	6.06E-07	2.26E-07	1.21E-06	4.45E-07
3006	479276.6	3850222	3.64E-03	3.55E-03	3.50E-03	1.26E-06	3.80E-06	2.20E-06	2.15E-06	1.95E-06	8.89E-07	8.77E-07	0.00E+00	0.00E+00	4.05E-07	7.29E-08	4.63E-07	7.14E-08	6.79E-08	1.08E-06	1.15E-06	4.21E-07	5.73E-07	2.14E-07	1.15E-06	4.21E-07
3007	479326.6	3850222	3.46E-03	3.37E-03	3.33E-03	1.20E-06	3.61E-06	2.09E-06	2.04E-06	1.85E-06	8.44E-07	8.33E-07	0.00E+00	0.00E+00	3.85E-07	6.93E-08	4.40E-07	6.78E-08	6.45E-08	1.03E-06	1.09E-06	4.00E-07	5.45E-07	2.04E-07	1.09E-06	4.00E-07
3008	479376.6	3850222	3.29E-03	3.21E-03	3.17E-03	1.14E-06	3.44E-06	1.99E-06	1.94E-06	1.76E-06	8.04E-07	7.93E-07	0.00E+00	0.00E+00	3.66E-07	6.60E-08	4.18E-07	6.45E-08	6.14E-08	9.77E-07	1.04E-06	3.81E-07	5.18E-07	1.94E-07	1.04E-06	3.81E-07
3009	478676.6	3850272	1.66E-02	1.62E-02	1.60E-02	5.75E-06	1.73E-05	1.00E-05	9.80E-06	8.88E-06	4.05E-06	4.00E-06	0.00E+00	0.00E+00	1.85E-06	3.33E-07	2.11E-06	3.26E-07	3.10E-07	4.93E-06	5.24E-06	1.92E-06	2.61E-06	9.77E-07	5.24E-06	1.92E-06
3010	478726.6	3850272	1.32E-02	1.29E-02	1.27E-02	4.57E-06	1.38E-05	7.99E-06	7.79E-06	7.06E-06	3.22E-06	3.18E-06	0.00E+00	0.00E+00	1.47E-06	2.65E-07	1.68E-06	2.59E-07	2.46E-07	3.92E-06	4.17E-06	1.53E-06	2.08E-06	7.77E-07	4.17E-06	1.53E-06
3011	478976.6	3850272	6.50E-03	6.34E-03	6.26E-03	2.25E-06	6.79E-06	3.93E-06	3.84E-06	3.48E-06	1.59E-06	1.57E-06	0.00E+00	0.00E+00	7.23E-07	1.30E-07	8.26E-07	1.27E-07	1.21E-07	1.93E-06	2.05E-06	7.52E-07	1.02E-06	3.82E-07	2.05E-06	7.52E-07
3012	479026.6	3850272	5.90E-03	5.76E-03	5.68E-03	2.04E-06	6.17E-06	3.57E-06	3.49E-06	3.16E-06	1.44E-06	1.42E-06	0.00E+00	0.00E+00	6.57E-07	1.18E-07	7.51E-07	1.16E-07	1.10E-07	1.75E-06	1.86E-06	6.83E-07	9.30E-07	3.47E-07	1.86E-06	6.83E-07
3013	479076.6	3850272	5.41E-03	5.28E-03	5.21E-03	1.87E-06	5.66E-06	3.28E-06	3.20E-06	2.90E-06	1.32E-06	1.30E-06	0.00E+00	0.00E+00	6.03E-07	1.09E-07	6.89E-07	1.06E-07	1.01E-07	1.61E-06	1.71E-06	6.27E-07	8.53E-07	3.19E-07	1.71E-06	6.27E-07
3014	479126.6	3850272	5.00E-03	4.88E-03	4.82E-03	1.73E-06	5.23E-06	3.03E-06	2.95E-06	2.68E-06	1.22E-06	1.21E-06	0.00E+00	0.00E+00	5.57E-07	1.00E-07	6.36E-07	9.81E-08	9.34E-08	1.49E-06	1.58E-06	5.79E-07	7.88E-07	2.95E-07	1.58E-06	5.79E-07
3015	479176.6	3850272	4.65E-03	4.54E-03	4.48E-03	1.61E-06	4.86E-06	2.82E-06	2.75E-06	2.49E-06	1.14E-06	1.12E-06	0.00E+00	0.00E+00	5.18E-07	9.32E-08	5.92E-07	9.12E-08	8.68E-08	1.38E-06	1.47E-06	5.39E-07	7.33E-07	2.74E-07	1.47E-06	5.39E-07
3016	479226.6	3850272	4.35E-03	4.24E-03	4.19E-03	1.51E-06	4.55E-06	2.63E-06	2.57E-06	2.33E-06	1.06E-06	1.05E-06	0.00E+00	0.00E+00	4.84E-07	8.72E-08	5.53E-07	8.53E-08	8.11E-08	1.29E-06	1.37E-06	5.03E-07	6.85E-07	2.56E-07	1.37E-06	5.03E-07
3017	479276.6	3850272	4.09E-03	3.99E-03	3.93E-03	1.41E-06	4.27E-06	2.47E-06	2.41E-06	2.19E-06	9.98E-07	9.85E-07	0.00E+00	0.00E+00	4.55E-07	8.19E-08	5.20E-07	8.01E-08	7.62E-08	1.21E-06	1.29E-06	4.73E-07	6.44E-07	2.41E-07	1.29E-06	4.73E-07
3018	479326.6	3850272	3.86E-03	3.76E-03	3.71E-03	1.33E-06	4.03E-06	2.33E-06	2.28E-06	2.06E-06	9.42E-07	9.29E-07	0.00E+00	0.00E+00	4.29E-07	7.73E-08	4.90E-07	7.56E-08	7.19E-08	1.14E-06	1.22E-06	4.46E-07	6.07E-07	2.27E-07	1.22E-06	4.46E-07
3019	479376.6	3850272	3.65E-03	3.56E-03	3.51E-03	1.26E-06	3.81E-06	2.21E-06	2.15E-06	1.95E-06	8.90E-07	8.78E-07	0.00E+00	0.00E+00	4.06E-07	7.31E-08	4.64E-07	7.15E-08	6.80E-08	1.08E-06	1.15E-06	4.22E-07	5.74E-07	2.15E-07	1.15E-06	4.22E-07
3020	479053.2	3850294	6.09E-03	5.95E-03	5.87E-03	2.11E-06	6.37E-06	3.69E-06	3.60E-06	3.26E-06	1.49E-06	1.47E-06	0.00E+00	0.00E+00	6.78E-07	1.22E-07	7.75E-07	1.19E-07	1.14E-07	1.81E-06	1.92E-06	7.05E-07	9.60E-07	3.59E-07	1.92E-06	7.05E-07
3021	479103.2	3850294	5.57E-03	5.44E-03	5.37E-03	1.93E-06	5.82E-06	3.37E-06	3.29E-06	2.98E-06	1.36E-06	1.34E-06	0.00E+00	0.00E+00	6.20E-07	1.12E-07	7.09E-07	1.09E-07	1.04E-07	1.65E-06	1.76E-06	6.45E-07	8.78E-07	3.28E-07	1.76E-06	6.45E-07
3022	479153.2	3850294	5.14E-03	5.02E-03	4.95E-03	1.78E-06	5.37E-06	3.11E-06	3.03E-06	2.75E-06	1.26E-06	1.24E-06	0.00E+00	0.00E+00	5.72E-07	1.03E-07	6.54E-07	1.01E-07	9.59E-08	1.53E-06	1.62E-06	5.95E-07	8.10E-07	3.03E-07	1.62E-06	5.95E-07
3023	479203.2	3850294	4.77E-03	4.65E-03	4.59E-03	1.65E-06	4.98E-06	2.89E-06	2.82E-06	2.55E-06	1.16E-06	1.15E-06	0.00E+00	0.00E+00	5.31E-07	9.56E-08	6.06E-07	9.35E-08	8.90E-08	1.42E-06	1.50E-06	5.52E-07	7.51E-07	2.81E-07	1.50E-06	5.52E-07
3024	479253.2	3850294	4.45E-03	4.34E-03	4.29E-03	1.54E-06	4.65E-06	2.69E-06	2.63E-06	2.38E-06	1.09E-06	1.07E-06	0.00E+00	0.00E+00	4.95E-07	8.92E-08	5.66E-07	8.73E-08	8.30E-08	1.32E-06	1.40E-06	5.15E-07	7.01E-07	2.62E-07	1.40E-06	5.15E-07
3025	479303.2	3850294	4.18E-03	4.08E-03	4.02E-03	1.45E-06	4.37E-06	2.53E-06	2.47E-06	2.24E-06	1.02E-06	1.01E-06	0.00E+00	0.00E+00	4.65E-07	8.37E-08	5.31E-07	8.19E-08	7.79E-08	1.24E-06	1.32E-06	4.84E-07	6.58E-07	2.46E-07	1.32E-06	4.84E-07
3026	479353.2	3850294	3.93E-03	3.84E-03	3.79E-03	1.36E-06	4.11E-06	2.38E-06	2.32E-06	2.10E-06	9.60E-07	9.48E-07	0.00E+00	0.00E+00	4.38E-07	7.88E-08	5.00E-07	7.71E-08	7.34E-08	1.17E-06	1.24E-06	4.55E-07	6.20E-07	2.32E-07	1.24E-06	4.55E-07
3027	479153.2	3850344	6.12E-03	5.97E-03	5.89E-03	2.12E-06	6.40E-06	3.70E-06	3.61E-06	3.28E-06	1.49E-06	1.47E-06	0.00E+00	0.00E+00	6.81E-07	1.23E-07	7.78E-07	1.20E-07	1.14E-07	1.82E-06	1.93E-06	7.08E-07	9.64E-07	3.60E-07	1.93E-06	7.08E-07
3028	479203.2	3850344	5.60E-03	5.46E-03	5.39E-03	1.94E-06	5.85E-06	3.39E-06	3.30E-06	2.99E-06	1.37E-06	1.35E-06	0.00E+00	0.00E+00	6.23E-07	1.12E-07	7.12E-07	1.10E-07	1.04E-07	1.66E-06	1.77E-06	6.48E-07	8.81E-07	3.29E-07	1.77E-06	6.48E-07
3029	479253.2	3850344	5.16E-03	5.04E-03	4.97E-03	1.79E-06	5.40E-06	3.12E-06	3.05E-06	2.76E-06	1.26E-06	1.24E-06	0.00E+00	0.00E+00	5.75E-07	1.03E-07	6.56E-07	1.01E-07	9.63E-08	1.53E-06	1.63E-06	5.98E-07	8.13E-07	3.04E-07	1.63E-06	5.98E-07
3030	479303.2	3850344	4.79E-03	4.68E-03	4.62E-03	1.66E-06	5.01E-06	2.90E-06	2.83E-06	2.57E-06	1.17E-06	1.16E-06	0.00E+00	0.00E+00	5.34E-07	9.61E-08	6.10E-07	9.40E-08	8.94E-08	1.42E-06	1.51E-06	5.55E-07	7.55E-07	2.82E-07	1.51E-06	5.55E-07
3031	479353.2	3850344	4.47E-03	4.36E-03	4.30E-03	1.55E-06	4.67E-06	2.71E-06	2.64E-06	2.39E-06	1.09E-06	1.08E-06	0.00E+00	0.00E+00	4.98E-07	8.96E-08	5.69E-07	8.77E-08	8.34E-08	1.33E-06	1.41E-06	5.18E-07	7.04E-07	2.63E-07	1.41E-06	5.18E-07
3032	479203.2	3850394	6.80E-03	6.63E-03	6.55E-03	2.35E-06	7.11E-06	4.11E-06	4.01E-06	3.64E-06	1.66E-06	1.64E-06	0.00E+00	0.00E+00	7.57E-07	1.36E-07	8.65E-07	1.33E-07	1.27E-07	2.02E-06	2.15E-06	7.87E-07	1.07E-06	4.00E-07	2.15E-06	7.87E-07
3033	479253.2	3850394	6.16E-03	6.01E-03	5.93E-03	2.13E-06	6.44E-06	3.73E-06	3.64E-06	3.30E-06	1.50E-06	1.48E-06	0.00E+00	0.00E+00	6.86E-07	1.23E-07	7.84E-07	1.21E-07	1.15E-07	1.83E-06	1.94E-06	7.13E-07	9.71E-07	3.63E-07	1.94E-06	7.13E-07
3034	479303.2	3850394	5.64E-03	5.50E-03	5.43E-03	1.95E-06	5.89E-06	3.41E-06	3.33E-06	3.02E-06	1.38E-06	1.36E-06	0.00E+00	0.00E+00	6.28E-07	1.13E-07	7.17E-07	1.11E-07	1.05E-07	1.67E-06	1.78E-06	6.53E-07	8.88E-07	3.32E-07	1.78E-06	6.53E-07
3035	479353.2	3850394	5.19E-03	5.07E-03	5.00E-03	1.80E-06	5.43E-06	3.14E-06	3.07E-06	2.78E-06	1.27E-06	1.25E-06	0.00E+00	0.00E+00	5.78E-07	1.04E-07	6.61E-07	1.02E-07	9.69E-08	1.54E-06	1.64E-06	6.01E-07	8.18E-07	3.06E-07	1.64E-06	6.01E-07
3036	479403.2	3850394	4.81E-03	4.69E-03	4.63E-03	1.67E-06	5.03E-06	2.91E-06	2.84E-06	2.58E-06	1.18E-06	1.16E-06	0.00E+00	0.00E+00	5.36E-07	9.64E-08	6.12E-07	9.44E-08	8.98E-08	1.43E-06	1.52E-06	5.57E-07	7.58E-07	2.83E-07	1.52E-06	5.57E-07
3037	479453.2	3850394	4.47E-03	4.37E-03	4.31E-03	1.55E-06	4.68E-06	2.71E-06	2.64E-06	2.39E-06	1.09E-06	1.08E-06	0.00E+00	0.00E+00	4.98E-07	8.97E-08	5.69E-07	8.77E-08	8.35E-08	1.33E-06	1.41E-06	5.18E-07	7.05E-07	2.63E-07	1.41E-06	5.18E-07
3038	479503.2	3850394	4.17E-03	4.07E-03	4.01E-03	1.44E-06	4.36E-06	2.52E-06	2.46E-06	2.23E-06	1.02E-06	1.00E-06	0.00E+00	0.00E+00	4.64E-07	8.35E-08	5.30E-07	8.17E-08	7.78E-08	1.24E-06	1.32E-06	4.82E-07	6.57E-07	2.45E-07	1.32E-06	4.82E-07
3039	479303.2	3850444	6.87E-03	6.70E-03	6.61E-03	2.38E-06	7.18E-06	4.16E-06	4.06E-06	3.68E-06	1.68E-06	1.66E-06	0.00E+00	0.00E+00	7.64E-07	1.38E-07	8.73E-07	1.35E-07	1.28E-07	2.04E-06	2.17E-06	7.95E-07	1.08E-06	4.04E-07	2.17E-06	7.95E-07
3040	479353.2	3850444	6.21E-03	6.06E-03	5.98E-03	2.15E-06	6.49E-06	3.76E-06	3.67E-06	3.33E-06	1.52E-06	1.50E-06	0.00E+00	0.00E+00	6.92E-07	1.25E-07	7.90E-07	1.22E-07	1.16E-07	1.84E-06	1.96E-06	7.19E-07	9.79E-07	3.66E-07	1.96E-06	7.19E-07
3041	479403.2	3850444	5.66E-03	5.52E-03	5.45E-03	1.96E-06	5.92E-06	3.43E-06	3.34E-06	3.03E-06	1.38E-06	1.36E-06	0.00E+00	0.00E+00	6.30E-07	1.13E-07	7.20E-07	1.11E-07	1.06E-07	1.68E-06	1.79E-06	6.55E-07	8.92E-07	3.33E-07	1.79E-06	6.55E-07
3042	479453.2	3850444	5.19E-03	5.06E-03	5.00E-03	1.80E-06	5.42E-06	3.14E-06	3.06E-06	2.78E-06	1.27E-06	1.25E-06	0.00E+00	0.00E+00	5.78E-07	1.04E-07	6.60E-07	1.02E-07	9.68E-08	1.54E-06	1.64E-06	6.01E-07	8.17E-07	3.05E-07	1.64E-06	6.01E-07
3043	479503.2	3850444	4.78E-03	4.66E-03	4.60E-03	1.65E-06	5.00E-06	2.89E-06	2.82E-06	2.56E-06	1.17E-06	1.15E-06	0.00E+00	0.00E+00	5.32E-07	9.58E-08	6.08E-07	9.37E-08	8.92E-08	1.42E-06	1.51E-06	5.53E-07	7.53E-07	2.81E-07	1.51E-06	5.53E-07
3044	480327.2	3850987	8.39E-03	8.19E-03	8.08E-03	2.90E-06	8.77E-06	5.08E-06	4.95E-06	4.49E-06	2.05E-06	2.02E-06	0.00E+00	0.00E+00	9.34E-07	1.68E-07	1.07E-06	1.65E-07	1.57E-07	2.49E-06	2.65E-06	9.71E-07	1.32E-06	4.94E-07	2.65E-06	9.71E-07
3045	480377.2	3850987	7.41E-03	7.23E-03	7.13E-03	2.56E-06	7.74E-06	4.48E-06	4.37E-06	3.97E-06	1.81E-06	1.79E-06	0.00E+00	0.00E+00	8.25E-07	1.48E-07	9.42E-07	1.45E-07	1.38E-07	2.20E-06	2.34E-06	8.58E-07	1.17E-06	4.36E-07	2.34E-06	8.58E-07
3046	480427.2	3850987	6.62E-03	6.46E-03	6.37E-03	2.29E-06	6.92E-06	4.01E-06	3.91E-06	3.54E-06	1.62E-06	1.60E-06	0.00E+00	0.00E+00	7.37E-07	1.33E-07	8.42E-07	1.30E-07	1.24E-07	1.96E-06	2.09E-06	7.66E-07	1.04E-06	3.90E-07	2.09E-06	7.66E-07
3047	480477.2	3850987	5.96E-03	5.82E-03	5.74E-03	2.06E-06	6.23E-06	3.61E-06	3.52E-06	3.19E-06	1.46E-06	1.44E-06	0.00E+00	0.00E+00	6.63E-07	1.19E-07	7.58E-07	1.17E-07	1.11E-07	1.77E-06	1.88E-06	6.90E-07	9.39E-07	3.51E-07	1.88E-06	6.90E-07
3048	480327.2	3851037	1.15E-02	1.12E-02	1.11E-02	3.98E-06	1.20E-05	6.96E-06	6.79E-06	6.15E-06	2.81E-06	2.77E-06	0.00E+00	0.00E+00	1.28E-06	2.30E-07	1.46E-06	2.25E-07	2.15E-07	3.41E-06	3.63E-06	1.33E-06	1.81E-06	6.77E-07	3.63E-06	1.33E-06
3049	480377.2	3851037	9.75E-03	9.51E-03	9.38E-03	3.37E-06	1.02E-05	5.90E-06	5.75E-06	5.22E-06	2.38E-06	2.35E-06	0.00E+00	0.00E+00	1.08E-06	1.95E-07	1.24E-06	1.91E-07	1.82E-07	2.89E-06	3.08E-06	1.13E-06	1.54E-06	5.74E-07	3.08E-06	1.13E-06
3050	480427.2	3851037	8.43E-03	8.22E-03	8.11E-03	2.92E-06	8.81E-06	5.10E-06	4.97E-06	4.51E-06	2.06E-06	2.03E-06	0.00E+00	0.00E+00	9.38E-07	1.69E-07	1.07E-06	1.65E-07	1.57E-07	2.50E-06	2.66E-06	9.75E-07	1.33E-06	4.96E-07	2.66E-06	9.75E-07
3051	480477.2	3851037	7.41E-03	7.23E-03	7.13E-03	2.56E-06	7.74E-06	4.48E-06	4.37E-06	3.97E-06	1.81E-06	1.79E-06	0.00E+00	0.00E+00	8.25E-07	1.48E-07	9.42E-07	1.45E-07	1.38E-07	2.20E-06	2.34E-06	8.58E-07	1.17E-06	4.36E-07	2.34E-06	8.58E-07
3052	480622.1	3851087	6.68E-03	6.52E-03	6.43E-03	2.31E-06	6.98E-06	4.04E-06	3.95E-06	3.58E-06	1.63E-06	1.61E-06	0.00E+00	0.00E+00	7.44E-07	1.34E-07	8.50E-07	1.31E-07	1.25E-07	1.98E-06	2.11E-06	7.74E-07	1.05E-06	3.93E-07	2.11E-06	7.74E-07
3053	480672.1	3851087	6.03E-03	5.88E-03	5.80E-03	2.09E-06	6.30E-06	3.65E-06	3.56E-06	3.22E-06	1.47E-06	1.45E-06	0.00E+00	0.00E+00	6.71E-07	1.21E-07	7.66E-07	1.18E-07	1.12E-07	1.79E-06	1.90E-06	6.97E-07	9.49E-07	3.55E-07	1.90E-06	6.97E-07
3054	480622.1	3851137	8.59E-03	8.39E-03	8.27E-03	2.97E-06	8.98E-06	5.20E-06	5.07E-06	4.60E-06	2.10E-06	2.07E-06	0.00E+00	0.00E+00	9.57E-07	1.72E-07	1.09E-06	1.69E-07	1.60E-07	2.55E-06	2.71E-06	9.95E-07	1.35E-06	5.06E-07	2.71E-06	9.95E-07
3055	480672.1	3851137	7.53E-03	7.35E-03	7.25E-03	2.61E-06	7.87E-06	4.56E-06	4.45E-06	4.03E-06	1.84E-06	1.82E-06	0.00E+00	0.00E+00	8.38E-07	1.51E-07	9.58E-07	1.48E-07	1.41E-07	2.24E-06	2.38E-06	8.72E-07	1.19E-06	4.43E-07	2.38E-06	8.72E-07
3056	480722.1	3851137	6.71E-03	6.55E-03	6.47E-03	2.32E-06	7.02E-06	4.06E-06	3.96E-06	3.59E-06	1.64E-06	1.62E-06	0.00E+00	0.00E+00	7.47E-07	1.35E-07	8.54E-07	1.32E-07	1.25E-07	1.99E-06	2.12E-06	7.77E-07	1.06E-06	3.95E-07	2.12E-06	7.77E-07
3057	480622.1	3851187	1.20E-02	1.17E-02	1.15E-02	4.15E-06	1.25E-05	7.26E-06	7.08E-06	6.42E-06	2.93E-06	2.89E-06	0.00E+00	0.00E+00	1.34E-06	2.40E-07	1.53E-06	2.35E-07	2.24E-07	3.56E-06	3.79E-06	1.39E-06	1.89E-06	7.06E-07	3.79E-06	1.39E-06
3058	480672.1	3851187	1.01E-02	9.81E-03	9.68E-03	3.48E-06	1.05E-05	6.08E-06	5.93E-06	5.38E-06	2.45E-06	2.42E-06	0.00E+00	0.00E+00	1.12E-06	2.01E-07	1.28E-06	1.97E-07	1.88E-07	2.98E-06	3.17E-06	1.16E-06	1.58E-06	5.92E-07	3.17E-06	1.16E-06
3059	480722.1	3851187	8.65E-03	8.44E-03	8.33E-03	2.99E-06	9.04E-06	5.23E-06	5.11E-06	4.63E-06	2.11E-06	2.08E-06	0.00E+00	0.00E+00	9.63E-07	1.73E-07	1.10E-06	1.70E-07	1.61E-07	2.57E-06	2.73E-06	1.00E-06	1.36E-06	5.09E-07	2.73E-06	1.00E-06
3060	471363.1	3845877	3.08E-04	3.01E-04	2.97E-04	1.07E-07	3.22E-07	1.87E-07	1.82E-07	1.65E-07	7.53E-08	7.43E-08	0.00E+00	0.00E+00	3.43E-08	6.18E-09	3.92E-08	6.05E-09	5.75E-09	9.15E-08	9.73E-08	3.57E-08	4.86E-08	1.81E-08	9.73E-08	3.57E-08
3061	471863.1	3845877	3.07E-04	3.00E-04	2.96E-04	1.06E-07	3.21E-07	1.86E-07	1.81E-07	1.64E-07	7.50E-08	7.40E-08	0.00E+00	0.00E+00	3.42E-08	6.15E-09	3.90E-08	6.02E-09	5.73E-09	9.11E-08	9.69E-08	3.55E-08	4.84E-08	1.81E-08	9.69E-08	3.55E-08
3062	472363.1	3845877	3.53E-04	3.45E-04	3.40E-04	1.22E-07	3.69E-07	2.14E-07	2.09E-07	1.89E-07	8.63E-08	8.52E-08	0.00E+00	0.00E+00	3.93E-08	7.08E-09	4.50E-08	6.93E-09	6.60E-09	1.05E-07	1.12E-07	4.09E-08	5.57E-08	2.08E-08	1.12E-07	4.09E-08
3063	472863.1	3845877	3.41E-04	3.33E-04	3.29E-04	1.18E-07	3.57E-07	2.07E-07	2.02E-07	1.83E-07	8.34E-08	8.23E-08	0.00E+00	0.00E+00	3.80E-08	6.84E-09	4.34E-08	6.70E-09	6.37E-09	1.01E-07	1.08E-07	3.95E-08	5.38E-08	2.01E-08	1.08E-07	3.95E-08
3064	473363.1	3845877	3.51E-04	3.42E-04	3.38E-04	1.21E-07	3.67E-07	2.12E-07	2.07E-07	1.88E-07	8.57E-08	8.46E-08	0.00E+00	0.00E+00	3.91E-08	7.03E-09	4.46E-08	6.88E-09	6.55E-09	1.04E-07	1.11E-07	4.06E-08	5.53E-08	2.07E-08	1.11E-07	4.06E-08
3065	473863.1	3845877	3.56E-04	3.48E-04	3.43E-04	1.23E-07	3.72E-07	2.16E-07	2.10E-07	1.91E-07	8.70E-08	8.59E-08	0.00E+00	0.00E+00	3.97E-08	7.14E-09	4.53E-08	6.99E-09	6.65E-09	1.06E-07	1.12E-07	4.13E-08	5.61E-08	2.10E-08	1.12E-07	4.13E-08
3066	474363.1	3845877	3.78E-04	3.69E-04	3.64E-04	1.31E-07	3.95E-07	2.29E-07	2.23E-07	2.02E-07	9.23E-08	9.11E-08	0.00E+00	0.00E+00	4.21E-08	7.57E-09	4.81E-08	7.41E-09	7.05E-09	1.12E-07	1.19E-07	4.38E-08	5.95E-08	2.22E-08	1.19E-07	4.38E-08
3067	474863.1	3845877	3.89E-04	3.80E-04	3.75E-04	1.35E-07	4.07E-07	2.35E-07	2.30E-07	2.08E-07	9.50E-08	9.38E-08	0.00E+00	0.00E+00	4.33E-08	7.80E-09	4.95E-08	7.63E-09	7.26E-09	1.15E-07	1.23E-07	4.50E-08	6.13E-08	2.29E-08	1.23E-07	4.50E-08
3068	475363.1	3845877	3.92E-04	3.83E-04	3.78E-04	1.36E-07	4.10E-07	2.37E-07	2.32E-07	2.10E-07	9.59E-08	9.46E-08	0.00E+00	0.00E+00	4.37E-08	7.87E-09	4.99E-08	7.70E-09	7.32E-09	1.16E-07	1.24E-07	4.54E-08	6.18E-08	2.31E-08	1.24E-07	4.54E-08
3069	475863.1	3845877	3.83E-04	3.73E-04	3.68E-04	1.32E-07	4.00E-07	2.31E-07	2.26E-07	2.05E-07	9.34E-08	9.22E-08	0.00E+00	0.00E+00	4.26E-08	7.67E-09	4.86E-08	7.50E-09	7.14E-09	1.14E-07	1.21E-07	4.43E-08	6.03E-08	2.25E-08	1.21E-07	4.43E-08
3070	476363.1	3845877	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	0.00E+00	0.00E+00	4.05E-08	7.30E-09	4.63E-08	7.14E-09	6.80E-09	1.08E-07	1.15E-07	4.22E-08	5.74E-08	2.14E-08	1.15E-07	4.22E-08
3071	476863.1	3845877	3.44E-04	3.35E-04	3.31E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.39E-08	8.28E-08	0.00E+00	0.00E+00	3.82E-08	6.88E-09	4.37E-08	6.74E-09	6.41E-09	1.02E-07	1.08E-07	3.98E-08	5.41E-08	2.02E-08	1.08E-07	3.98E-08
3072	477363.1	3845877	3.26E-04	3.18E-04	3.14E-04	1.13E-07	3.41E-07	1.97E-07	1.93E-07	1.75E-07	7.96E-08	7.86E-08	0.00E+00	0.00E+00	3.63E-08	6.54E-09	4.15E-08	6.40E-09	6.08E-09	9.68E-08	1.03E-07	3.77E-08	5.14E-08	1.92E-08	1.03E-07	3.77E-08
3073	477863.1	3845877	3.06E-04	2.98E-04	2.94E-04	1.06E-07	3.20E-07	1.85E-07	1.81E-07	1.64E-07	7.47E-08	7.37E-08	0.00E+00	0.00E+00	3.40E-08	6.13E-09	3.89E-08	6.00E-09	5.71E-09	9.07E-08	9.65E-08	3.54E-08	4.82E-08	1.80E-08	9.65E-08	3.54E-08

3074	478363.1	3845877	2.93E-04	2.86E-04	2.82E-04	1.02E-07	3.07E-07	1.77E-07	1.73E-07	1.57E-07	7.16E-08	7.07E-08	0.00E+00	0.00E+00	3.27E-08	5.88E-09	3.73E-08	5.75E-09	5.47E-09	8.71E-08	9.26E-08	3.40E-08	4.62E-08	1.73E-08	9.26E-08	3.40E-08
3075	478863.1	3845877	2.83E-04	2.76E-04	2.72E-04	9.78E-08	2.95E-07	1.71E-07	1.67E-07	1.51E-07	6.90E-08	6.81E-08	0.00E+00	0.00E+00	3.14E-08	5.66E-09	3.59E-08	5.54E-09	5.27E-09	8.39E-08	8.92E-08	3.27E-08	4.45E-08	1.66E-08	8.92E-08	3.27E-08
3076	479363.1	3845877	2.77E-04	2.70E-04	2.67E-04	9.59E-08	2.90E-07	1.68E-07	1.64E-07	1.48E-07	6.77E-08	6.68E-08	0.00E+00	0.00E+00	3.08E-08	5.55E-09	3.52E-08	5.43E-09	5.17E-09	8.23E-08	8.75E-08	3.21E-08	4.37E-08	1.63E-08	8.75E-08	3.21E-08
3077	479863.1	3845877	2.66E-04	2.60E-04	2.56E-04	9.22E-08	2.78E-07	1.61E-07	1.57E-07	1.43E-07	6.50E-08	6.42E-08	0.00E+00	0.00E+00	2.96E-08	5.34E-09	3.39E-08	5.22E-09	4.97E-09	7.91E-08	8.41E-08	3.08E-08	4.20E-08	1.57E-08	8.41E-08	3.08E-08
3078	480363.1	3845877	2.49E-04	2.43E-04	2.39E-04	8.60E-08	2.60E-07	1.50E-07	1.47E-07	1.33E-07	6.07E-08	5.99E-08	0.00E+00	0.00E+00	2.77E-08	4.98E-09	3.16E-08	4.87E-09	4.64E-09	7.38E-08	7.84E-08	2.88E-08	3.91E-08	1.46E-08	7.84E-08	2.88E-08
3079	480863.1	3845877	2.37E-04	2.32E-04	2.28E-04	8.21E-08	2.48E-07	1.44E-07	1.40E-07	1.27E-07	5.80E-08	5.72E-08	0.00E+00	0.00E+00	2.64E-08	4.76E-09	3.02E-08	4.65E-09	4.43E-09	7.04E-08	7.49E-08	2.75E-08	3.74E-08	1.40E-08	7.49E-08	2.75E-08
3080	481363.1	3845877	2.28E-04	2.22E-04	2.19E-04	7.88E-08	2.38E-07	1.38E-07	1.34E-07	1.22E-07	5.56E-08	5.49E-08	0.00E+00	0.00E+00	2.54E-08	4.56E-09	2.90E-08	4.47E-09	4.25E-09	6.76E-08	7.19E-08	2.64E-08	3.59E-08	1.34E-08	7.19E-08	2.64E-08
3081	481863.1	3845877	2.17E-04	2.12E-04	2.09E-04	7.51E-08	2.27E-07	1.31E-07	1.28E-07	1.16E-07	5.30E-08	5.23E-08	0.00E+00	0.00E+00	2.42E-08	4.35E-09	2.76E-08	4.26E-09	4.05E-09	6.44E-08	6.85E-08	2.51E-08	3.42E-08	1.28E-08	6.85E-08	2.51E-08
3082	482363.1	3845877	2.06E-04	2.01E-04	1.99E-04	7.14E-08	2.16E-07	1.25E-07	1.22E-07	1.10E-07	5.04E-08	4.97E-08	0.00E+00	0.00E+00	2.30E-08	4.13E-09	2.62E-08	4.04E-09	3.85E-09	6.12E-08	6.51E-08	2.39E-08	3.25E-08	1.21E-08	6.51E-08	2.39E-08
3083	482863.1	3845877	1.84E-04	1.79E-04	1.77E-04	6.36E-08	1.92E-07	1.11E-07	1.09E-07	9.84E-08	4.49E-08	4.43E-08	0.00E+00	0.00E+00	2.05E-08	3.68E-09	2.34E-08	3.60E-09	3.43E-09	5.45E-08	5.80E-08	2.13E-08	2.90E-08	1.08E-08	5.80E-08	2.13E-08
3084	483363.1	3845877	1.73E-04	1.68E-04	1.66E-04	5.97E-08	1.80E-07	1.04E-07	1.02E-07	9.24E-08	4.21E-08	4.16E-08	0.00E+00	0.00E+00	1.92E-08	3.46E-09	2.19E-08	3.38E-09	3.22E-09	5.12E-08	5.45E-08	2.00E-08	2.72E-08	1.02E-08	5.45E-08	2.00E-08
3085	483863.1	3845877	1.86E-04	1.82E-04	1.79E-04	6.45E-08	1.95E-07	1.13E-07	1.10E-07	9.97E-08	4.55E-08	4.49E-08	0.00E+00	0.00E+00	2.07E-08	3.73E-09	2.37E-08	3.65E-09	3.48E-09	5.53E-08	5.88E-08	2.16E-08	2.93E-08	1.10E-08	5.88E-08	2.16E-08
3086	484363.1	3845877	1.84E-04	1.80E-04	1.77E-04	6.38E-08	1.93E-07	1.11E-07	1.09E-07	9.86E-08	4.50E-08	4.44E-08	0.00E+00	0.00E+00	2.05E-08	3.69E-09	2.34E-08	3.61E-09	3.44E-09	5.47E-08	5.81E-08	2.13E-08	2.90E-08	1.08E-08	5.81E-08	2.13E-08
3087	484863.1	3845877	1.80E-04	1.76E-04	1.73E-04	6.23E-08	1.88E-07	1.09E-07	1.06E-07	9.64E-08	4.40E-08	4.34E-08	0.00E+00	0.00E+00	2.00E-08	3.61E-09	2.29E-08	3.53E-09	3.36E-09	5.34E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
3088	485363.1	3845877	1.74E-04	1.70E-04	1.67E-04	6.02E-08	1.82E-07	1.05E-07	1.03E-07	9.30E-08	4.25E-08	4.19E-08	0.00E+00	0.00E+00	1.94E-08	3.48E-09	2.21E-08	3.41E-09	3.24E-09	5.16E-08	5.49E-08	2.01E-08	2.74E-08	1.02E-08	5.49E-08	2.01E-08
3089	485863.1	3845877	1.73E-04	1.69E-04	1.67E-04	6.00E-08	1.81E-07	1.05E-07	1.02E-07	9.28E-08	4.24E-08	4.18E-08	0.00E+00	0.00E+00	1.93E-08	3.48E-09	2.21E-08	3.40E-09	3.24E-09	5.15E-08	5.47E-08	2.01E-08	2.73E-08	1.02E-08	5.47E-08	2.01E-08
3090	486363.1	3845877	1.71E-04	1.67E-04	1.65E-04	5.92E-08	1.79E-07	1.03E-07	1.01E-07	9.15E-08	4.17E-08	4.12E-08	0.00E+00	0.00E+00	1.90E-08	3.43E-09	2.17E-08	3.35E-09	3.19E-09	5.07E-08	5.39E-08	1.98E-08	2.69E-08	1.01E-08	5.39E-08	1.98E-08
3091	486863.1	3845877	1.64E-04	1.60E-04	1.58E-04	5.69E-08	1.72E-07	9.94E-08	9.70E-08	8.79E-08	4.01E-08	3.96E-08	0.00E+00	0.00E+00	1.83E-08	3.29E-09	2.09E-08	3.22E-09	3.07E-09	4.88E-08	5.19E-08	1.90E-08	2.59E-08	9.67E-09	5.19E-08	1.90E-08
3092	487363.1	3845877	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	0.00E+00	0.00E+00	1.80E-08	3.24E-09	2.06E-08	3.17E-09	3.02E-09	4.80E-08	5.11E-08	1.87E-08	2.55E-08	9.53E-09	5.11E-08	1.87E-08
3093	487863.1	3845877	1.56E-04	1.52E-04	1.50E-04	5.40E-08	1.63E-07	9.44E-08	9.21E-08	8.35E-08	3.81E-08	3.76E-08	0.00E+00	0.00E+00	1.74E-08	3.13E-09	1.98E-08	3.06E-09	2.91E-09	4.63E-08	4.92E-08	1.81E-08	2.46E-08	9.18E-09	4.92E-08	1.81E-08
3094	488363.1	3845877	1.53E-04	1.49E-04	1.47E-04	5.29E-08	1.60E-07	9.24E-08	9.01E-08	8.17E-08	3.73E-08	3.68E-08	0.00E+00	0.00E+00	1.70E-08	3.06E-09	1.94E-08	2.99E-09	2.85E-09	4.53E-08	4.82E-08	1.77E-08	2.41E-08	8.99E-09	4.82E-08	1.77E-08
3095	488863.1	3845877	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	0.00E+00	0.00E+00	1.78E-08	3.21E-09	2.04E-08	3.14E-09	2.99E-09	4.75E-08	5.05E-08	1.85E-08	2.52E-08	9.43E-09	5.05E-08	1.85E-08
3096	489363.1	3845877	1.58E-04	1.55E-04	1.53E-04	5.49E-08	1.66E-07	9.59E-08	9.36E-08	8.48E-08	3.87E-08	3.82E-08	0.00E+00	0.00E+00	1.76E-08	3.18E-09	2.02E-08	3.11E-09	2.96E-09	4.70E-08	5.00E-08	1.83E-08	2.50E-08	9.33E-09	5.00E-08	1.83E-08
3097	489863.1	3845877	1.53E-04	1.49E-04	1.47E-04	5.30E-08	1.60E-07	9.26E-08	9.04E-08	8.19E-08	3.74E-08	3.69E-08	0.00E+00	0.00E+00	1.70E-08	3.07E-09	1.95E-08	3.00E-09	2.86E-09	4.54E-08	4.83E-08	1.77E-08	2.41E-08	9.01E-09	4.83E-08	1.77E-08
3098	490363.1	3845877	1.46E-04	1.42E-04	1.40E-04	5.04E-08	1.52E-07	8.81E-08	8.60E-08	7.79E-08	3.56E-08	3.51E-08	0.00E+00	0.00E+00	1.62E-08	2.92E-09	1.85E-08	2.86E-09	2.72E-09	4.32E-08	4.60E-08	1.69E-08	2.29E-08	8.57E-09	4.60E-08	1.69E-08
3099	490863.1	3845877	1.32E-04	1.29E-04	1.27E-04	4.57E-08	1.38E-07	7.98E-08	7.79E-08	7.06E-08	3.22E-08	3.18E-08	0.00E+00	0.00E+00	1.47E-08	2.64E-09	1.68E-08	2.59E-09	2.46E-09	3.92E-08	4.16E-08	1.53E-08	2.08E-08	7.77E-09	4.16E-08	1.53E-08
3100	491363.1	3845877	1.38E-04	1.35E-04	1.33E-04	4.78E-08	1.44E-07	8.36E-08	8.16E-08	7.39E-08	3.37E-08	3.33E-08	0.00E+00	0.00E+00	1.54E-08	2.77E-09	1.76E-08	2.71E-09	2.58E-09	4.10E-08	4.36E-08	1.60E-08	2.18E-08	8.13E-09	4.36E-08	1.60E-08
3101	491863.1	3845877	1.41E-04	1.37E-04	1.35E-04	4.87E-08	1.47E-07	8.51E-08	8.30E-08	7.53E-08	3.43E-08	3.39E-08	0.00E+00	0.00E+00	1.57E-08	2.82E-09	1.79E-08	2.76E-09	2.62E-09	4.17E-08	4.44E-08	1.63E-08	2.22E-08	8.28E-09	4.44E-08	1.63E-08
3102	492363.1	3845877	1.31E-04	1.28E-04	1.26E-04	4.52E-08	1.37E-07	7.91E-08	7.72E-08	6.99E-08	3.19E-08	3.15E-08	0.00E+00	0.00E+00	1.45E-08	2.62E-09	1.66E-08	2.56E-09	2.44E-09	3.88E-08	4.12E-08	1.51E-08	2.06E-08	7.69E-09	4.12E-08	1.51E-08
3103	492863.1	3845877	1.40E-04	1.37E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.28E-08	7.51E-08	3.42E-08	3.38E-08	0.00E+00	0.00E+00	1.56E-08	2.81E-09	1.78E-08	2.75E-09	2.62E-09	4.16E-08	4.43E-08	1.62E-08	2.21E-08	8.26E-09	4.43E-08	1.62E-08
3104	493363.1	3845877	1.43E-04	1.39E-04	1.37E-04	4.94E-08	1.49E-07	8.64E-08	8.43E-08	7.64E-08	3.49E-08	3.44E-08	0.00E+00	0.00E+00	1.59E-08	2.86E-09	1.81E-08	2.80E-09	2.66E-09	4.24E-08	4.50E-08	1.65E-08	2.25E-08	8.40E-09	4.50E-08	1.65E-08
3105	493863.1	3845877	1.44E-04	1.41E-04	1.39E-04	5.00E-08	1.51E-07	8.74E-08	8.52E-08	7.73E-08	3.53E-08	3.48E-08	0.00E+00	0.00E+00	1.61E-08	2.89E-09	1.84E-08	2.83E-09	2.69E-09	4.29E-08	4.56E-08	1.67E-08	2.27E-08	8.50E-09	4.56E-08	1.67E-08
3106	494363.1	3845877	1.45E-04	1.42E-04	1.40E-04	5.03E-08	1.52E-07	8.79E-08	8.57E-08	7.77E-08	3.55E-08	3.50E-08	0.00E+00	0.00E+00	1.62E-08	2.91E-09	1.85E-08	2.85E-09	2.71E-09	4.31E-08	4.58E-08	1.68E-08	2.29E-08	8.55E-09	4.58E-08	1.68E-08
3107	494863.1	3845877	1.45E-04	1.42E-04	1.40E-04	5.03E-08	1.52E-07	8.79E-08	8.57E-08	7.77E-08	3.55E-08	3.50E-08	0.00E+00	0.00E+00	1.62E-08	2.91E-09	1.85E-08	2.85E-09	2.71E-09	4.31E-08	4.58E-08	1.68E-08	2.29E-08	8.55E-09	4.58E-08	1.68E-08
3108	495363.1	3845877	1.46E-04	1.43E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	8.62E-08	7.82E-08	3.57E-08	3.52E-08	0.00E+00	0.00E+00	1.63E-08	2.93E-09	1.86E-08	2.86E-09	2.72E-09	4.33E-08	4.61E-08	1.69E-08	2.30E-08	8.60E-09	4.61E-08	1.69E-08
3109	495863.1	3845877	1.47E-04	1.43E-04	1.41E-04	5.08E-08	1.54E-07	8.89E-08	8.67E-08	7.86E-08	3.59E-08	3.54E-08	0.00E+00	0.00E+00	1.63E-08	2.94E-09	1.87E-08	2.88E-09	2.74E-09	4.36E-08	4.64E-08	1.70E-08	2.31E-08	8.65E-09	4.64E-08	1.70E-08
3110	496363.1	3845877	1.48E-04	1.44E-04	1.42E-04	5.11E-08	1.54E-07	8.94E-08	8.72E-08	7.91E-08	3.61E-08	3.56E-08	0.00E+00	0.00E+00	1.64E-08	2.96E-09	1.88E-08	2.90E-09	2.76E-09	4.38E-08	4.66E-08	1.71E-08	2.33E-08	8.69E-09	4.66E-08	1.71E-08
3111	496863.1	3845877	1.47E-04	1.44E-04	1.42E-04	5.10E-08	1.54E-07	8.91E-08	8.70E-08	7.88E-08	3.60E-08	3.55E-08	0.00E+00	0.00E+00	1.64E-08	2.95E-09	1.87E-08	2.89E-09	2.75E-09	4.37E-08	4.65E-08	1.70E-08	2.32E-08	8.67E-09	4.65E-08	1.70E-08
3112	497363.1	3845877	1.47E-04	1.43E-04	1.41E-04	5.08E-08	1.54E-07	8.89E-08	8.67E-08	7.86E-08	3.59E-08	3.54E-08	0.00E+00	0.00E+00	1.63E-08	2.94E-09	1.87E-08	2.88E-09	2.74E-09	4.36E-08	4.64E-08	1.70E-08	2.31E-08	8.65E-09	4.64E-08	1.70E-08
3113	497863.1	3845877	1.46E-04	1.43E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	8.62E-08	7.82E-08	3.57E-08	3.52E-08	0.00E+00	0.00E+00	1.63E-08	2.93E-09	1.86E-08	2.86E-09	2.72E-09	4.33E-08	4.61E-08	1.69E-08	2.30E-08	8.60E-09	4.61E-08	1.69E-08
3114	498363.1	3845877	1.46E-04	1.42E-04	1.40E-04	5.04E-08	1.52E-07	8.81E-08	8.60E-08	7.79E-08	3.56E-08	3.51E-08	0.00E+00	0.00E+00	1.62E-08	2.92E-09	1.85E-08	2.86E-09	2.72E-09	4.32E-08	4.60E-08	1.69E-08	2.29E-08	8.57E-09	4.60E-08	1.69E-08
3115	471363.1	3846377	5.66E-03	5.52E-03	5.45E-03	1.96E-06	5.92E-06	3.43E-06	3.34E-06	3.03E-06	1.38E-06	1.36E-06	0.00E+00	0.00E+00	6.30E-07	1.13E-07	7.20E-07	1.11E-07	1.06E-07	1.68E-06	1.79E-06	6.55E-07	8.92E-07	3.33E-07	1.79E-06	6.55E-07
3116	471863.1	3846377	4.78E-03	4.66E-03	4.60E-03	1.65E-06	5.00E-06	2.89E-06	2.82E-06	2.56E-06	1.17E-06	1.15E-06	0.00E+00	0.00E+00	5.32E-07	9.58E-08	6.08E-07	9.37E-08	8.92E-08	1.42E-06	1.51E-06	5.53E-07	7.53E-07	2.81E-07	1.51E-06	5.53E-07
3117	472363.1	3846377	1.45E-03	1.42E-03	1.40E-03	5.03E-07	1.52E-06	8.80E-07	8.59E-07	7.78E-07	3.55E-07	3.50E-07	0.00E+00	0.00E+00	1.62E-07	2.91E-08	1.85E-07	2.85E-08	2.71E-08	4.32E-07	4.59E-07	1.68E-07	2.29E-07	8.56E-08	4.59E-07	1.68E-07
3118	472863.1	3846377	1.01E-03	9.85E-04	9.72E-04	3.49E-07	1.05E-06	6.11E-07	5.96E-07	5.40E-07	2.46E-07	2.43E-07	0.00E+00	0.00E+00	1.12E-07	2.02E-08	1.28E-07	1.98E-08	1.88E-08	2.99E-07	3.18E-07	1.17E-07	1.59E-07	5.94E-08	3.18E-07	1.17E-07
3119	473363.1	3846377	7.95E-04	7.76E-04	7.66E-04	2.75E-07	8.31E-07	4.81E-07	4.70E-07	4.26E-07	1.94E-07	1.92E-07	0.00E+00	0.00E+00	8.85E-08	1.59E-08	1.01E-07	1.56E-08	1.48E-08	2.36E-07	2.51E-07	9.21E-08	1.25E-07	4.68E-08	2.51E-07	9.21E-08
3120	473863.1	3846377	7.13E-04	6.96E-04	6.87E-04	2.47E-07	7.45E-07	4.32E-07	4.21E-07	3.82E-07	1.74E-07	1.72E-07	0.00E+00	0.00E+00	7.94E-08	1.43E-08	9.07E-08	1.40E-08	1.33E-08	2.12E-07	2.25E-07	8.26E-08	1.12E-07	4.20E-08	2.25E-07	8.26E-08
3121	474363.1	3846377	6.46E-04	6.30E-04	6.22E-04	2.24E-07	6.75E-07	3.91E-07	3.81E-07	3.46E-07	1.58E-07	1.56E-07	0.00E+00	0.00E+00	7.19E-08	1.29E-08	8.21E-08	1.27E-08	1.21E-08	1.92E-07	2.04E-07	7.48E-08	1.02E-07	3.80E-08	2.04E-07	7.48E-08
3122	474863.1	3846377	6.07E-04	5.92E-04	5.84E-04	2.10E-07	6.34E-07	3.67E-07	3.58E-07	3.25E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.75E-08	1.22E-08	7.71E-08	1.19E-08	1.13E-08	1.80E-07	1.91E-07	7.02E-08	9.56E-08	3.57E-08	1.91E-07	7.02E-08
3123	475363.1	3846377	5.63E-04	5.50E-04	5.42E-04	1.95E-07	5.89E-07	3.41E-07	3.33E-07	3.02E-07	1.38E-07	1.36E-07	0.00E+00	0.00E+00	6.27E-08	1.13E-08	7.16E-08	1.10E-08	1.05E-08	1.67E-07	1.78E-07	6.52E-08	8.88E-08	3.32E-08	1.78E-07	6.52E-08
3124	475863.1	3846377	5.30E-04	5.17E-04	5.10E-04	1.83E-07	5.54E-07	3.21E-07	3.13E-07	2.84E-07	1.29E-07	1.28E-07	0.00E+00	0.00E+00	5.90E-08	1.06E-08	6.74E-08	1.04E-08	9.89E-09	1.57E-07	1.67E-07	6.13E-08	8.35E-08	3.12E-08	1.67E-07	6.13E-08
3125	476363.1	3846377	4.87E-04	4.75E-04	4.69E-04	1.68E-07	5.09E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	0.00E+00	0.00E+00	5.42E-08	9.75E-09	6.19E-08	9.54E-09	9.08E-09	1.44E-07	1.54E-07	5.63E-08	7.67E-08	2.86E-08	1.54E-07	5.63E-08
3126	476863.1	3846377	4.51E-04	4.40E-04	4.35E-04	1.56E-07	4.72E-07	2.73E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.02E-08	9.05E-09	5.74E-08	8.85E-09	8.42E-09	1.34E-07	1.42E-07	5.23E-08	7.11E-08	2.66E-08	1.42E-07	5.23E-08
3127	477363.1	3846377	4.20E-04	4.10E-04	4.04E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.67E-08	8.41E-09	5.34E-08	8.23E-09	7.83E-09	1.25E-07	1.33E-07	4.86E-08	6.61E-08	2.47E-08	1.33E-07	4.86E-08
3128	477863.1	3846377	3.87E-04	3.78E-04	3.73E-04	1.34E-07	4.05E-07	2.34E-07	2.29E-07	2.07E-07	9.46E-08	9.34E-08	0.00E+00	0.00E+00	4.31E-08	7.77E-09	4.93E-08	7.60E-09	7.23E-09	1.15E-07	1.22E-07	4.49E-08	6.10E-08	2.28E-08	1.22E-07	4.49E-08
3129	478363.1	3846377	3.63E-04	3.54E-04	3.50E-04	1.26E-07	3.79E-07	2.20E-07	2.14E-07	1.94E-07	8.87E-08	8.75E-08	0.00E+00	0.00E+00	4.04E-08	7.28E-09	4.62E-08	7.12E-09	6.77E-09	1.08E-07	1.15E-07	4.20E-08	5.72E-08	2.14E-08	1.15E-07	4.20E-08
3130	478863.1	3846377	3.49E-04	3.40E-04	3.36E-04	1.21E-07	3.65E-07	2.11E-07	2.06E-07	1.87E-07	8.52E-08	8.41E-08	0.00E+00	0.00E+00	3.88E-08	6.99E-09	4.44E-08	6.84E-09	6.51E-09	1.04E-07	1.10E-07	4.04E-08	5.50E-08	2.05E-08	1.10E-07	4.04E-08
3131	479363.1	3846377	3.34E-04	3.25E-04	3.21E-04	1.15E-07	3.49E-07	2.02E-07	1.97E-07	1.79E-07	8.15E-08	8.04E-08	0.00E+00	0.00E+00	3.71E-08	6.68E-09	4.24E-08	6.54E-09	6.22E-09	9.90E-08	1.05E-07	3.86E-08	5.25E-08	1.96E-08	1.05E-07	3.86E-08
3132	479863.1	3846377	3.16E-04	3.08E-04	3.04E-04	1.09E-07	3.30E-07	1.91E-07	1.87E-07	1.69E-07	7.72E-08	7.62E-08	0.00E+00	0.00E+00	3.52E-08	6.34E-09	4.02E-08	6.20E-09	5.90E-09	9.38E-08	9.98E-08	3.66E-08	4.98E-08	1.86E-08	9.98E-08	3.66E-08
3133	480363.1	3846377	3.05E-04	2.98E-04	2.94E-04	1.06E-07	3.19E-07	1.85E-07	1.80E-07	1.63E-07	7.45E-08	7.35E-08	0.00E+00	0.00E+00	3.39E-08	6.11E-09	3.88E-08	5.98E-09	5.69E-09	9.05E-08	9.62E-08	3.53E-08	4.80E-08	1.80E-08	9.62E-08	3.53E-08
3134	480863.1	3846377	2.81E-04	2.74E-04	2.70E-04	9.72E-08	2.94E-07	1.70E-07	1.66E-07	1.50E-07	6.86E-08	6.77E-08	0.00E+00	0.00E+00	3.13E-08	5.63E-09	3.57E-08	5.51E-09	5.24E-09	8.34E-08	8.86E-08	3.25E-08	4.42E-08	1.65E-08	8.86E-08	3.25E-08
3135	481363.1	3846377	2.69E-04	2.63E-04	2.59E-04	9.32E-08	2.81E-07	1.63E-07	1.59E-07	1.44E-07	6.58E-08	6.49E-08	0.00E+00	0.00E+00	3.00E-08	5.40E-09	3.42E-08	5.28E-09	5.02E-09	7.99E-08	8.50E-08	3.12E-08	4.24E-08	1.59E-08	8.50E-08	3.12E-08
3136	481863.1	3846377	2.55E-04	2.49E-04	2.45E-04	8.82E-08	2.66E-07	1.54E-07	1.50E-07	1.36E-07	6.22E-08	6.14E-08	0.00E+00	0.00E+00	2.84E-08	5.11E-09	3.24E-08	5.00E-09	4.75E-09	7.56E-08	8.04E-08	2.95E-08	4.01E-08	1.50E-08	8.04E-08	2.95E-08
3137	482363.1	3846377	2.39E-04	2.33E-04	2.30E-04	8.27E-08	2.50E-07	1.45E-07	1.41E-07	1.28E-07	5.84E-08	5.76E-08	0.00E+00	0.00E+00	2.66E-08	4.79E-09	3.04E-08	4.69E-09	4.46E-09	7.09E-08	7.54E-08	2.77E-08	3.76E-08	1.41E-08	7.54E-08	2.77E-08
3138	482863.1	3846377	2.18E-04	2.13E-04	2.10E-04	7.55E-08	2.28E-07	1.32E-07	1.29E-07	1.17E-07	5.33E-08	5.26E-08	0.00E+00	0.00E+00	2.43E-08	4.37E-09	2.78E-08	4.28E-09	4.07E-09	6.48E-08	6.89E-08	2.53E-08	3.44E-08	1.28E-08	6.89E-08	2.53E-08
3139	483363.1	3846377	2.19E-04	2.14E-04	2.11E-04	7.60E-08	2.29E-07	1.33E-07	1.30E-07	1.17E-07	5.36E-08	5.29E-08	0.00E+00	0.00E+00	2.44E-08	4.40E-09	2.79E-08	4.30E-09	4.10E-09	6.51E-08	6.93E-08	2.54E-08	3.46E-08	1.29E-08	6.93E-08	2.54E-08
3140	483863.1	3846377	2.14E-04	2.08E-04	2.06E-04	7.40E-08	2.23E-07	1.29E-07	1.26E-07	1.14E-07	5.22E-08	5.15E-08	0.00E+00	0.00E+00	2.38E-08	4.28E-09	2.72E-08	4.19E-09	3.99E-09	6.34E-08	6.74E-08	2.47E-08	3.37E-08	1.26E-08	6.74E-08	2.47E-08
3141	484363.1	3846377	2.02E-04	1.97E-04	1.95E-04	6.99E-08	2.11E-07	1.22E-07	1.19E-07	1.08E-07	4.93E-08	4.87E-08	0.00E+00	0.00E+00	2.25E-08	4.05E-09	2.57E-08	3.96E-09	3.77E-09	6.00E-08	6.38E-08	2.34E-08	3.18E-08	1.19E-08	6.38E-08	2.34E-08
3142	484863.1	3846377	2.07E-04	2.02E-04	1.99E-04	7.17E-08	2.16E-07	1.25E-07	1.22E-07	1.11E-07	5.06E-08	4.99E-08	0.00E+00	0.00E+00	2.30E-08	4.15E-09	2.63E-08	4.06E-09	3.86E-09	6.14E-08	6.53E-08	2.40E-08	3.26E-08	1.22E-08	6.53E-08	2.40E-08
3143	485363.1	3846377	2.04E-04	1.99E-04	1.97E-04	7.07E-08	2.13E-07	1.24E-07	1.21E-07	1.09E-07	4.99E-08	4.92E-08	0.00E+00	0.00E+00	2.27E-08	4.09E-09	2.60E-08	4.00E-09	3.81E-09	6.06E-08	6.44E-08	2.36E-08	3.22E-08	1.20E-08	6.44E-08	2.36E-08
3144	485863.1	3846377	1.96E-04	1.91E-04	1.89E-04	6.78E-08	2.05E-07	1.18E-07	1.16E-07	1.05E-07	4.78E-08	4.72E-08	0.00E+00	0.00E+00	2.18E-08	3.92E-09	2.49E-08	3.84E-09	3.65E-09	5.81E-08	6.18E-08	2.27E-08	3.08E-08	1.15E-08	6.18E-08	2.27E-08
3145	486363.1	3846377	1.81E-04	1.77E-04	1.74E-04	6.26E-08	1.89E-07	1.09E-07	1.07E-07	9.68E-08	4.42E-08	4.36E-08	0.00E+00	0.00E+00	2.01E-08	3.63E-09	2.30E-08	3.55E-09	3.38E-09	5.37E-08	5.71E-08	2.09E-08	2.85E-08	1.06E-08	5.71E-08	2.09E-08
3146	486863.1	3846377	1.75E-04	1.71E-04	1.69E-04	6.06E-08	1.83E-07	1.06E-07	1.03E-07	9.37E-08	4.28E-08	4.22E-08	0.00E+00	0.00E+00	1.95E-08	3.51E-09	2.23E-08	3.43E-09	3.27E-09	5.20E-08	5.53E-08	2.03E-08	2.76E-08	1.03E-08	5.53E-08	2.03E-08
3147	487363.1	3846377	1.76E-04	1.72E-04	1.69E-04	6.09E-08	1.84E-07	1.06E-07	1.04E-07	9.42E-08	4.30E-08	4.24E-08	0.00E+00	0.00E+00	1.96E-08	3.53E-09	2.24E-08	3.45E-09	3.28E-09	5.22E-08	5.55E-08	2.04E-08	2.77E-08	1.04E-08	5.55E-08	2.04E-08
3148	487863.1	3846377	1.82E-04	1.77E-04	1.75E-04	6.29E-08	1.90E-07	1.10E-07	1.07E-07	9.73E-08	4.44E-08	4.38E-08	0.00E+00	0.00E+00	2.02E-08	3.64E-09	2.31E-08	3.56E-09	3.39E-09	5.39E-08	5.74E-08	2.10E-08	2.86E-08	1.07E-08	5.74E-08	2.10E-08
3149	488363.1	3846377	1.78E-04	1.74E-04	1.71E-04	6.16E-08	1.86E-07	1.08E-07	1.05E-07	9.53E-08	4.35E-08	4.29E-08	0.00E+00	0.00E+00	1.98E-08	3.57E-09	2.26E-08	3.49E-09	3.32E-09	5.28E-08	5.62E-08	2.06E-08	2.80E-08	1.05E-08	5.62E-08	2.06E-08
3150	488863.1	3846377	1.75E-04	1.71E-04	1.69E-04	6.07E-08	1.83E-07	1.06E-07	1.04E-07	9.39E-08	4.29E-08	4.23E-08	0.00E+00	0.00E+00	1.95E-08	3.52E-09	2.23E-08	3.44E-09	3.27E-09	5.21E-08	5.54E-08	2.03E-08	2.76E-08	1.03E-08	5.54E-08	2.03E-08

3151	489363.1	3846377	1.73E-04	1.68E-04	1.66E-04	5.97E-08	1.80E-07	1.04E-07	1.02E-07	9.24E-08	4.21E-08	4.16E-08	0.00E+00	0.00E+00	1.92E-08	3.46E-09	2.19E-08	3.38E-09	3.22E-09	5.12E-08	5.45E-08	2.00E-08	2.72E-08	1.02E-08	5.45E-08	2.00E-08
3152	489863.1	3846377	1.67E-04	1.63E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	9.85E-08	8.93E-08	4.07E-08	4.02E-08	0.00E+00	0.00E+00	1.86E-08	3.34E-09	2.12E-08	3.27E-09	3.11E-09	4.95E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
3153	490363.1	3846377	1.53E-04	1.49E-04	1.47E-04	5.29E-08	1.60E-07	9.24E-08	9.01E-08	8.17E-08	3.73E-08	3.68E-08	0.00E+00	0.00E+00	1.70E-08	3.06E-09	1.94E-08	2.99E-09	2.85E-09	4.53E-08	4.82E-08	1.77E-08	2.41E-08	8.99E-09	4.82E-08	1.77E-08
3154	490863.1	3846377	1.46E-04	1.43E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	8.62E-08	7.82E-08	3.57E-08	3.52E-08	0.00E+00	0.00E+00	1.63E-08	2.93E-09	1.86E-08	2.86E-09	2.72E-09	4.33E-08	4.61E-08	1.69E-08	2.30E-08	8.60E-09	4.61E-08	1.69E-08
3155	491363.1	3846377	1.44E-04	1.40E-04	1.38E-04	4.97E-08	1.50E-07	8.69E-08	8.48E-08	7.68E-08	3.51E-08	3.46E-08	0.00E+00	0.00E+00	1.60E-08	2.88E-09	1.83E-08	2.82E-09	2.68E-09	4.26E-08	4.53E-08	1.66E-08	2.26E-08	8.45E-09	4.53E-08	1.66E-08
3156	491863.1	3846377	1.51E-04	1.48E-04	1.46E-04	5.24E-08	1.58E-07	9.16E-08	8.94E-08	8.10E-08	3.70E-08	3.65E-08	0.00E+00	0.00E+00	1.69E-08	3.03E-09	1.93E-08	2.97E-09	2.83E-09	4.49E-08	4.78E-08	1.75E-08	2.39E-08	8.91E-09	4.78E-08	1.75E-08
3157	492363.1	3846377	1.48E-04	1.44E-04	1.42E-04	5.11E-08	1.54E-07	8.94E-08	8.72E-08	7.91E-08	3.61E-08	3.56E-08	0.00E+00	0.00E+00	1.64E-08	2.96E-09	1.88E-08	2.90E-09	2.76E-09	4.38E-08	4.66E-08	1.71E-08	2.33E-08	8.69E-09	4.66E-08	1.71E-08
3158	492863.1	3846377	1.47E-04	1.44E-04	1.42E-04	5.10E-08	1.54E-07	8.91E-08	8.70E-08	7.88E-08	3.60E-08	3.55E-08	0.00E+00	0.00E+00	1.64E-08	2.95E-09	1.87E-08	2.89E-09	2.75E-09	4.37E-08	4.65E-08	1.70E-08	2.32E-08	8.67E-09	4.65E-08	1.70E-08
3159	493363.1	3846377	1.52E-04	1.49E-04	1.47E-04	5.27E-08	1.59E-07	9.21E-08	8.99E-08	8.15E-08	3.72E-08	3.67E-08	0.00E+00	0.00E+00	1.69E-08	3.05E-09	1.94E-08	2.99E-09	2.84E-09	4.52E-08	4.81E-08	1.76E-08	2.40E-08	8.96E-09	4.81E-08	1.76E-08
3160	493863.1	3846377	1.54E-04	1.50E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.06E-08	8.22E-08	3.75E-08	3.70E-08	0.00E+00	0.00E+00	1.71E-08	3.08E-09	1.95E-08	3.01E-09	2.86E-09	4.56E-08	4.84E-08	1.78E-08	2.42E-08	9.04E-09	4.84E-08	1.78E-08
3161	494363.1	3846377	1.54E-04	1.50E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.06E-08	8.22E-08	3.75E-08	3.70E-08	0.00E+00	0.00E+00	1.71E-08	3.08E-09	1.95E-08	3.01E-09	2.86E-09	4.56E-08	4.84E-08	1.78E-08	2.42E-08	9.04E-09	4.84E-08	1.78E-08
3162	494863.1	3846377	1.54E-04	1.51E-04	1.49E-04	5.34E-08	1.61E-07	9.34E-08	9.11E-08	8.26E-08	3.77E-08	3.72E-08	0.00E+00	0.00E+00	1.72E-08	3.09E-09	1.96E-08	3.03E-09	2.88E-09	4.58E-08	4.87E-08	1.79E-08	2.43E-08	9.09E-09	4.87E-08	1.79E-08
3163	495363.1	3846377	1.54E-04	1.51E-04	1.49E-04	5.34E-08	1.61E-07	9.34E-08	9.11E-08	8.26E-08	3.77E-08	3.72E-08	0.00E+00	0.00E+00	1.72E-08	3.09E-09	1.96E-08	3.03E-09	2.88E-09	4.58E-08	4.87E-08	1.79E-08	2.43E-08	9.09E-09	4.87E-08	1.79E-08
3164	495863.1	3846377	1.55E-04	1.51E-04	1.49E-04	5.37E-08	1.62E-07	9.39E-08	9.16E-08	8.30E-08	3.79E-08	3.74E-08	0.00E+00	0.00E+00	1.73E-08	3.11E-09	1.97E-08	3.04E-09	2.90E-09	4.61E-08	4.90E-08	1.80E-08	2.44E-08	9.13E-09	4.90E-08	1.80E-08
3165	496363.1	3846377	1.56E-04	1.52E-04	1.50E-04	5.40E-08	1.63E-07	9.44E-08	9.21E-08	8.35E-08	3.81E-08	3.76E-08	0.00E+00	0.00E+00	1.74E-08	3.13E-09	1.98E-08	3.06E-09	2.91E-09	4.63E-08	4.92E-08	1.81E-08	2.46E-08	9.18E-09	4.92E-08	1.81E-08
3166	496863.1	3846377	1.56E-04	1.52E-04	1.50E-04	5.39E-08	1.63E-07	9.41E-08	9.19E-08	8.33E-08	3.80E-08	3.75E-08	0.00E+00	0.00E+00	1.73E-08	3.12E-09	1.98E-08	3.05E-09	2.90E-09	4.62E-08	4.91E-08	1.80E-08	2.45E-08	9.16E-09	4.91E-08	1.80E-08
3167	497363.1	3846377	1.55E-04	1.51E-04	1.49E-04	5.37E-08	1.62E-07	9.39E-08	9.16E-08	8.30E-08	3.79E-08	3.74E-08	0.00E+00	0.00E+00	1.73E-08	3.11E-09	1.97E-08	3.04E-09	2.90E-09	4.61E-08	4.90E-08	1.80E-08	2.44E-08	9.13E-09	4.90E-08	1.80E-08
3168	497863.1	3846377	1.54E-04	1.51E-04	1.49E-04	5.34E-08	1.61E-07	9.34E-08	9.11E-08	8.26E-08	3.77E-08	3.72E-08	0.00E+00	0.00E+00	1.72E-08	3.09E-09	1.96E-08	3.03E-09	2.88E-09	4.58E-08	4.87E-08	1.79E-08	2.43E-08	9.09E-09	4.87E-08	1.79E-08
3169	498363.1	3846377	1.53E-04	1.49E-04	1.47E-04	5.29E-08	1.60E-07	9.24E-08	9.01E-08	8.17E-08	3.73E-08	3.68E-08	0.00E+00	0.00E+00	1.70E-08	3.06E-09	1.94E-08	2.99E-09	2.85E-09	4.53E-08	4.82E-08	1.77E-08	2.41E-08	8.99E-09	4.82E-08	1.77E-08
3170	471363.1	3846877	7.77E-04	7.59E-04	7.49E-04	2.69E-07	8.13E-07	4.70E-07	4.59E-07	4.16E-07	1.90E-07	1.87E-07	0.00E+00	0.00E+00	8.65E-08	1.56E-08	9.89E-08	1.52E-08	1.45E-08	2.31E-07	2.45E-07	9.00E-08	1.22E-07	4.58E-08	2.45E-07	9.00E-08
3171	471863.1	3846877	1.65E-03	1.61E-03	1.59E-03	5.71E-07	1.72E-06	9.98E-07	9.74E-07	8.83E-07	4.03E-07	3.98E-07	0.00E+00	0.00E+00	1.84E-07	3.31E-08	2.10E-07	3.24E-08	3.08E-08	4.90E-07	5.21E-07	1.91E-07	2.60E-07	9.71E-08	5.21E-07	1.91E-07
3172	472363.1	3846877	2.09E-02	2.04E-02	2.02E-02	7.25E-06	2.19E-05	1.27E-05	1.24E-05	1.12E-05	5.11E-06	5.04E-06	0.00E+00	0.00E+00	2.33E-06	4.20E-07	2.66E-06	4.11E-07	3.91E-07	6.21E-06	6.61E-06	2.42E-06	3.30E-06	1.23E-06	6.61E-06	2.42E-06
3173	472863.1	3846877	2.51E-03	2.45E-03	2.41E-03	8.68E-07	2.62E-06	1.52E-06	1.48E-06	1.34E-06	6.12E-07	6.04E-07	0.00E+00	0.00E+00	2.79E-07	5.03E-08	3.19E-07	4.92E-08	4.68E-08	7.44E-07	7.91E-07	2.90E-07	3.95E-07	1.48E-07	7.91E-07	2.90E-07
3174	473363.1	3846877	1.55E-03	1.51E-03	1.49E-03	5.36E-07	1.62E-06	9.37E-07	9.14E-07	8.28E-07	3.78E-07	3.73E-07	0.00E+00	0.00E+00	1.72E-07	3.10E-08	1.97E-07	3.04E-08	2.89E-08	4.59E-07	4.89E-07	1.79E-07	2.44E-07	9.11E-08	4.89E-07	1.79E-07
3175	473863.1	3846877	1.25E-03	1.22E-03	1.21E-03	4.33E-07	1.31E-06	7.57E-07	7.39E-07	6.70E-07	3.06E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.51E-08	1.59E-07	2.45E-08	2.34E-08	3.71E-07	3.95E-07	1.45E-07	1.97E-07	7.37E-08	3.95E-07	1.45E-07
3176	474363.1	3846877	1.00E-03	9.80E-04	9.67E-04	3.48E-07	1.05E-06	6.08E-07	5.93E-07	5.38E-07	2.45E-07	2.42E-07	0.00E+00	0.00E+00	1.12E-07	2.01E-08	1.28E-07	1.97E-08	1.87E-08	2.98E-07	3.17E-07	1.16E-07	1.58E-07	5.91E-08	3.17E-07	1.16E-07
3177	474863.1	3846877	8.53E-04	8.33E-04	8.22E-04	2.95E-07	8.92E-07	5.16E-07	5.04E-07	4.57E-07	2.08E-07	2.06E-07	0.00E+00	0.00E+00	9.50E-08	1.71E-08	1.09E-07	1.67E-08	1.59E-08	2.53E-07	2.69E-07	9.88E-08	1.34E-07	5.02E-08	2.69E-07	9.88E-08
3178	475363.1	3846877	7.44E-04	7.26E-04	7.17E-04	2.58E-07	7.78E-07	4.50E-07	4.39E-07	3.98E-07	1.82E-07	1.79E-07	0.00E+00	0.00E+00	8.29E-08	1.49E-08	9.47E-08	1.46E-08	1.39E-08	2.21E-07	2.35E-07	8.62E-08	1.17E-07	4.38E-08	2.35E-07	8.62E-08
3179	475863.1	3846877	6.99E-04	6.82E-04	6.73E-04	2.42E-07	7.31E-07	4.23E-07	4.13E-07	3.74E-07	1.71E-07	1.68E-07	0.00E+00	0.00E+00	7.78E-08	1.40E-08	8.89E-08	1.37E-08	1.30E-08	2.07E-07	2.21E-07	8.09E-08	1.10E-07	4.12E-08	2.21E-07	8.09E-08
3180	476363.1	3846877	6.38E-04	6.23E-04	6.14E-04	2.21E-07	6.67E-07	3.86E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	0.00E+00	0.00E+00	7.10E-08	1.28E-08	8.11E-08	1.25E-08	1.19E-08	1.89E-07	2.01E-07	7.39E-08	1.01E-07	3.76E-08	2.01E-07	7.39E-08
3181	476863.1	3846877	5.78E-04	5.64E-04	5.56E-04	2.00E-07	6.04E-07	3.49E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.43E-08	1.16E-08	7.34E-08	1.13E-08	1.08E-08	1.71E-07	1.82E-07	6.69E-08	9.10E-08	3.40E-08	1.82E-07	6.69E-08
3182	477363.1	3846877	5.31E-04	5.18E-04	5.11E-04	1.84E-07	5.55E-07	3.21E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.91E-08	1.06E-08	6.75E-08	1.04E-08	9.91E-09	1.58E-07	1.68E-07	6.15E-08	8.37E-08	3.13E-08	1.68E-07	6.15E-08
3183	477863.1	3846877	4.84E-04	4.72E-04	4.66E-04	1.67E-07	5.06E-07	2.93E-07	2.86E-07	2.59E-07	1.18E-07	1.17E-07	0.00E+00	0.00E+00	5.38E-08	9.69E-09	6.15E-08	9.49E-09	9.03E-09	1.44E-07	1.53E-07	5.60E-08	7.62E-08	2.85E-08	1.53E-07	5.60E-08
3184	478363.1	3846877	4.49E-04	4.38E-04	4.32E-04	1.55E-07	4.69E-07	2.72E-07	2.65E-07	2.40E-07	1.10E-07	1.08E-07	0.00E+00	0.00E+00	5.00E-08	9.00E-09	5.71E-08	8.80E-09	8.38E-09	1.33E-07	1.42E-07	5.20E-08	7.07E-08	2.64E-08	1.42E-07	5.20E-08
3185	478863.1	3846877	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.28E-07	1.04E-07	1.02E-07	0.00E+00	0.00E+00	4.73E-08	8.52E-09	5.41E-08	8.34E-09	7.93E-09	1.26E-07	1.34E-07	4.92E-08	6.70E-08	2.50E-08	1.34E-07	4.92E-08
3186	479363.1	3846877	3.99E-04	3.89E-04	3.84E-04	1.38E-07	4.17E-07	2.41E-07	2.35E-07	2.13E-07	9.74E-08	9.61E-08	0.00E+00	0.00E+00	4.44E-08	7.99E-09	5.07E-08	7.82E-09	7.44E-09	1.18E-07	1.26E-07	4.62E-08	6.28E-08	2.35E-08	1.26E-07	4.62E-08
3187	479863.1	3846877	3.54E-04	3.46E-04	3.41E-04	1.23E-07	3.70E-07	2.14E-07	2.09E-07	1.90E-07	8.65E-08	8.54E-08	0.00E+00	0.00E+00	3.94E-08	7.10E-09	4.51E-08	6.95E-09	6.61E-09	1.05E-07	1.12E-07	4.10E-08	5.58E-08	2.09E-08	1.12E-07	4.10E-08
3188	480363.1	3846877	3.23E-04	3.15E-04	3.11E-04	1.12E-07	3.38E-07	1.96E-07	1.91E-07	1.73E-07	7.89E-08	7.79E-08	0.00E+00	0.00E+00	3.60E-08	6.48E-09	4.11E-08	6.34E-09	6.03E-09	9.59E-08	1.02E-07	3.74E-08	5.09E-08	1.90E-08	1.02E-07	3.74E-08
3189	480863.1	3846877	3.04E-04	2.97E-04	2.93E-04	1.05E-07	3.18E-07	1.84E-07	1.80E-07	1.63E-07	7.43E-08	7.33E-08	0.00E+00	0.00E+00	3.39E-08	6.09E-09	3.87E-08	5.96E-09	5.67E-09	9.03E-08	9.60E-08	3.52E-08	4.79E-08	1.79E-08	9.60E-08	3.52E-08
3190	481363.1	3846877	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.82E-07	1.77E-07	1.61E-07	7.34E-08	7.24E-08	0.00E+00	0.00E+00	3.34E-08	6.02E-09	3.82E-08	5.89E-09	5.60E-09	8.91E-08	9.48E-08	3.48E-08	4.73E-08	1.77E-08	9.48E-08	3.48E-08
3191	481863.1	3846877	2.89E-04	2.82E-04	2.78E-04	1.00E-07	3.02E-07	1.75E-07	1.70E-07	1.55E-07	7.05E-08	6.96E-08	0.00E+00	0.00E+00	3.21E-08	5.79E-09	3.67E-08	5.66E-09	5.39E-09	8.57E-08	9.11E-08	3.34E-08	4.55E-08	1.70E-08	9.11E-08	3.34E-08
3192	482363.1	3846877	2.66E-04	2.60E-04	2.56E-04	9.22E-08	2.78E-07	1.61E-07	1.57E-07	1.43E-07	6.50E-08	6.42E-08	0.00E+00	0.00E+00	2.96E-08	5.34E-09	3.39E-08	5.22E-09	4.97E-09	7.91E-08	8.41E-08	3.08E-08	4.20E-08	1.57E-08	8.41E-08	3.08E-08
3193	482863.1	3846877	2.57E-04	2.51E-04	2.48E-04	8.90E-08	2.69E-07	1.56E-07	1.52E-07	1.38E-07	6.28E-08	6.20E-08	0.00E+00	0.00E+00	2.86E-08	5.16E-09	3.27E-08	5.04E-09	4.80E-09	7.63E-08	8.12E-08	2.98E-08	4.05E-08	1.51E-08	8.12E-08	2.98E-08
3194	483363.1	3846877	2.49E-04	2.43E-04	2.40E-04	8.63E-08	2.61E-07	1.51E-07	1.47E-07	1.33E-07	6.09E-08	6.01E-08	0.00E+00	0.00E+00	2.78E-08	5.00E-09	3.17E-08	4.89E-09	4.65E-09	7.40E-08	7.87E-08	2.89E-08	3.93E-08	1.47E-08	7.87E-08	2.89E-08
3195	483863.1	3846877	2.42E-04	2.36E-04	2.33E-04	8.39E-08	2.53E-07	1.47E-07	1.43E-07	1.30E-07	5.92E-08	5.84E-08	0.00E+00	0.00E+00	2.70E-08	4.86E-09	3.08E-08	4.75E-09	4.52E-09	7.19E-08	7.65E-08	2.80E-08	3.82E-08	1.43E-08	7.65E-08	2.80E-08
3196	484363.1	3846877	2.39E-04	2.33E-04	2.30E-04	8.26E-08	2.49E-07	1.44E-07	1.41E-07	1.28E-07	5.83E-08	5.75E-08	0.00E+00	0.00E+00	2.66E-08	4.78E-09	3.03E-08	4.68E-09	4.45E-09	7.08E-08	7.53E-08	2.76E-08	3.76E-08	1.40E-08	7.53E-08	2.76E-08
3197	484863.1	3846877	2.31E-04	2.25E-04	2.23E-04	8.00E-08	2.42E-07	1.40E-07	1.36E-07	1.24E-07	5.64E-08	5.57E-08	0.00E+00	0.00E+00	2.57E-08	4.63E-09	2.94E-08	4.53E-09	4.31E-09	6.86E-08	7.29E-08	2.68E-08	3.64E-08	1.36E-08	7.29E-08	2.68E-08
3198	485363.1	3846877	2.28E-04	2.22E-04	2.19E-04	7.88E-08	2.38E-07	1.38E-07	1.34E-07	1.22E-07	5.56E-08	5.49E-08	0.00E+00	0.00E+00	2.54E-08	4.56E-09	2.90E-08	4.47E-09	4.25E-09	6.76E-08	7.19E-08	2.64E-08	3.59E-08	1.34E-08	7.19E-08	2.64E-08
3199	485863.1	3846877	2.19E-04	2.14E-04	2.11E-04	7.60E-08	2.29E-07	1.33E-07	1.30E-07	1.17E-07	5.36E-08	5.29E-08	0.00E+00	0.00E+00	2.44E-08	4.40E-09	2.79E-08	4.30E-09	4.10E-09	6.51E-08	6.93E-08	2.54E-08	3.46E-08	1.29E-08	6.93E-08	2.54E-08
3200	486363.1	3846877	2.20E-04	2.15E-04	2.12E-04	7.63E-08	2.30E-07	1.33E-07	1.30E-07	1.18E-07	5.38E-08	5.31E-08	0.00E+00	0.00E+00	2.45E-08	4.42E-09	2.80E-08	4.32E-09	4.11E-09	6.54E-08	6.95E-08	2.55E-08	3.47E-08	1.30E-08	6.95E-08	2.55E-08
3201	486863.1	3846877	2.04E-04	1.99E-04	1.96E-04	7.05E-08	2.13E-07	1.23E-07	1.20E-07	1.09E-07	4.97E-08	4.91E-08	0.00E+00	0.00E+00	2.27E-08	4.08E-09	2.59E-08	3.99E-09	3.80E-09	6.05E-08	6.43E-08	2.36E-08	3.21E-08	1.20E-08	6.43E-08	2.36E-08
3202	487363.1	3846877	2.03E-04	1.98E-04	1.95E-04	7.02E-08	2.12E-07	1.23E-07	1.20E-07	1.09E-07	4.95E-08	4.89E-08	0.00E+00	0.00E+00	2.26E-08	4.07E-09	2.58E-08	3.98E-09	3.79E-09	6.02E-08	6.40E-08	2.35E-08	3.20E-08	1.19E-08	6.40E-08	2.35E-08
3203	487863.1	3846877	1.99E-04	1.94E-04	1.92E-04	6.89E-08	2.08E-07	1.20E-07	1.18E-07	1.07E-07	4.86E-08	4.80E-08	0.00E+00	0.00E+00	2.22E-08	3.99E-09	2.53E-08	3.91E-09	3.72E-09	5.91E-08	6.29E-08	2.31E-08	3.14E-08	1.17E-08	6.29E-08	2.31E-08
3204	488363.1	3846877	1.94E-04	1.89E-04	1.87E-04	6.71E-08	2.03E-07	1.17E-07	1.14E-07	1.04E-07	4.73E-08	4.67E-08	0.00E+00	0.00E+00	2.16E-08	3.88E-09	2.46E-08	3.80E-09	3.62E-09	5.75E-08	6.12E-08	2.24E-08	3.05E-08	1.14E-08	6.12E-08	2.24E-08
3205	488863.1	3846877	1.91E-04	1.86E-04	1.84E-04	6.61E-08	1.99E-07	1.15E-07	1.13E-07	1.02E-07	4.66E-08	4.60E-08	0.00E+00	0.00E+00	2.12E-08	3.82E-09	2.43E-08	3.74E-09	3.56E-09	5.66E-08	6.02E-08	2.21E-08	3.01E-08	1.12E-08	6.02E-08	2.21E-08
3206	489363.1	3846877	1.88E-04	1.84E-04	1.81E-04	6.52E-08	1.97E-07	1.14E-07	1.11E-07	1.01E-07	4.60E-08	4.54E-08	0.00E+00	0.00E+00	2.10E-08	3.77E-09	2.40E-08	3.69E-09	3.51E-09	5.59E-08	5.94E-08	2.18E-08	2.97E-08	1.11E-08	5.94E-08	2.18E-08
3207	489863.1	3846877	1.82E-04	1.78E-04	1.75E-04	6.30E-08	1.90E-07	1.10E-07	1.08E-07	9.75E-08	4.45E-08	4.39E-08	0.00E+00	0.00E+00	2.03E-08	3.65E-09	2.32E-08	3.57E-09	3.40E-09	5.41E-08	5.75E-08	2.11E-08	2.87E-08	1.07E-08	5.75E-08	2.11E-08
3208	490363.1	3846877	1.69E-04	1.65E-04	1.63E-04	5.86E-08	1.77E-07	1.02E-07	9.99E-08	9.06E-08	4.13E-08	4.08E-08	0.00E+00	0.00E+00	1.88E-08	3.39E-09	2.15E-08	3.32E-09	3.16E-09	5.02E-08	5.34E-08	1.96E-08	2.67E-08	9.96E-09	5.34E-08	1.96E-08
3209	490863.1	3846877	1.63E-04	1.60E-04	1.57E-04	5.66E-08	1.71E-07	9.89E-08	9.65E-08	8.75E-08	3.99E-08	3.94E-08	0.00E+00	0.00E+00	1.82E-08	3.28E-09	2.08E-08	3.21E-09	3.05E-09	4.85E-08	5.16E-08	1.89E-08	2.58E-08	9.62E-09	5.16E-08	1.89E-08
3210	491363.1	3846877	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	0.00E+00	0.00E+00	1.80E-08	3.24E-09	2.06E-08	3.17E-09	3.02E-09	4.80E-08	5.11E-08	1.87E-08	2.55E-08	9.53E-09	5.11E-08	1.87E-08
3211	491863.1	3846877	1.56E-04	1.52E-04	1.50E-04	5.40E-08	1.63E-07	9.44E-08	9.21E-08	8.35E-08	3.81E-08	3.76E-08	0.00E+00	0.00E+00	1.74E-08	3.13E-09	1.98E-08	3.06E-09	2.91E-09	4.63E-08	4.92E-08	1.81E-08	2.46E-08	9.18E-09	4.92E-08	1.81E-08
3212	492363.1	3846877	1.63E-04	1.60E-04	1.57E-04	5.66E-08	1.71E-07	9.89E-08	9.65E-08	8.75E-08	3.99E-08	3.94E-08	0.00E+00	0.00E+00	1.82E-08	3.28E-09	2.08E-08	3.21E-09	3.05E-09	4.85E-08	5.16E-08	1.89E-08	2.58E-08	9.62E-09	5.16E-08	1.89E-08
3213	492863.1	3846877	1.63E-04	1.59E-04	1.57E-04	5.63E-08	1.70E-07	9.84E-08	9.60E-08	8.70E-08	3.97E-08	3.92E-08	0.00E+00	0.00E+00	1.81E-08	3.26E-09	2.07E-08	3.19E-09	3.03E-09	4.83E-08	5.13E-08	1.88E-08	2.56E-08	9.57E-09	5.13E-08	1.88E-08
3214	493363.1	3846877	1.63E-04	1.59E-04	1.57E-04	5.64E-08	1.70E-07	9.87E-08	9.63E-08	8.73E-08	3.98E-08	3.93E-08	0.00E+00	0.00E+00	1.81E-08	3.27E-09	2.07E-08	3.20E-09	3.04E-09	4.84E-08	5.15E-08	1.89E-08	2.57E-08	9.60E-09	5.15E-08	1.89E-08
3215	493863.1	3846877	1.63E-04	1.59E-04	1.57E-04	5.63E-08	1.70E-07	9.84E-08	9.60E-08	8.70E-08	3.97E-08	3.92E-08	0.00E+00	0.00E+00	1.81E-08	3.26E-09	2.07E-08	3.19E-09	3.03E-09	4.83E-08	5.13E-08	1.88E-08	2.56E-08	9.57E-09	5.13E-08	1.88E-08
3216	494363.1	3846877	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	0.00E+00	0.00E+00	1.80E-08	3.24E-09	2.06E-08	3.17E-09	3.02E-09	4.80E-08	5.11E-08	1.87E-08	2.55E-08	9.53E-09	5.11E-08	1.87E-08
3217	494863.1	3846877	1.61E-04	1.57E-04	1.55E-04	5.57E-08	1.68E-07	9.74E-08	9.50E-08	8.62E-08	3.93E-08	3.88E-08	0.00E+00	0.00E+00	1.79E-08	3.23E-09	2.05E-08	3.16E-09	3.00E-09	4.78E-08	5.08E-08	1.86E-08	2.54E-08	9.48E-09	5.08E-08	1.86E-08
3218	495363.1	3846877	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	0.00E+00	0.00E+00	1.78E-08	3.21E-09	2.04E-08	3.14E-09	2.99E-09	4.75E-08	5.05E-08	1.85E-08	2.52E-08	9.43E-09	5.05E-08	1.85E-08
3219	495863.1	3846877	1.60E-04	1.56E-04	1.54E-04	5.53E-08	1.67E-07	9.66E-08	9.43E-08	8.55E-08	3.90E-08	3.85E-08	0.00E+00	0.00E+00	1.78E-08	3.20E-09	2.03E-08	3.13E-09	2.98E-09	4.74E-08	5.04E-08	1.85E-08	2.52E-08	9.40E-09	5.04E-08	1.85E-08
3220	496363.1	3846877	1.59E-04	1.55E-04	1.53E-04	5.51E-08	1.67E-07	9.64E-08	9.41E-08	8.53E-08	3.89E-08	3.84E-08	0.00E+00	0.00E+00	1.77E-08	3.19E-09	2.03E-08	3.12E-09	2.97E-09	4.73E-08	5.03E-08	1.84E-08	2.51E-08	9.38E-09	5.03E-08	1.84E-08
3221	496863.1	3846877	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	0.00E+00	0.00E+00	1.78E-08	3.21E-09	2.04E-08	3.14E-09	2.99E-09	4.75E-08	5.05E-08	1.85E-08	2.52E-08	9.43E-09	5.05E-08	1.85E-08
3222	497363.1	3846877	1.61E-04	1.57E-04	1.55E-04	5.59E-08	1.69E-07	9.77E-08	9.53E-08	8.64E-08	3.94E-08	3.89E-08	0.00E+00	0.00E+00	1.80E-08	3.23E-09	2.05E-08	3.16E-09	3.01E-09	4.79E-08	5.09E-08	1.87E-08	2.54E-08	9.50E-09	5.09E-08	1.87E-08
3223	497863.1	3846877	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	0.00E+00	0.00E+00	1.80E-08	3.24E-09	2.06E-08	3.17E-09	3.02E-09	4.80E-08	5.11E-08	1.87E-08	2.55E-08	9.53E-09	5.11E-08	1.87E-08
3224	498363.1	3846877	1.60E-04	1.56E-04	1.54E-04	5.53E-08	1.67E-07	9.66E-08	9.43E-08	8.55E-08	3.90E-08	3.85E-08	0.00E+00	0.00E+00	1.78E-08	3.20E-09	2.03E-08	3.13E-09	2.98E-09	4.74E-08	5.04E-08	1.85E-08	2.52E-08	9.40E-09	5.04E-08	1.85E-08
3225	471363.1	3847377	5.02E-04	4.90E-04	4.84E-04	1.74E-07	5.25E-07	3.04E-07	2.97E-07	2.69E-07	1.23E-07	1.21E-07	0.00E+00	0.00E+00	5.59E-08	1.01E-08	6.39E-08	9.85E-09	9.37E-09	1.49E-07	1.59E-07	5.82E-08	7.91E-08	2.96E-08	1.59E-07	5.82E-08
3226	471863.1	3847377	6.86E-04	6.70E-04	6.61E-04	2.38E-07	7.17E-07	4.15E-07	4.05E-07	3.67E-07	1.68E-07	1.65E-07	0.00E+00	0.00E+00	7.64E-08	1.38E-08	8.73E-08	1.35E-08	1.28E-08	2.04E-07	2.17E-07	7.94E-08	1.08E-07	4.04E-08	2.17E-07	7.94E-08
3227	472363.1	3847377	1.18E-03	1.15E-03	1.14E-03	4.09E-07	1.24E-06	7.15E-07	6.98E-07	6.33E-07	2.89E-07	2.85E-07	0.00E+00	0.00E+00	1.32E-07	2.37E-08	1.50E-07	2.32E-08	2.21E-08	3.51E-07	3.73E-07	1.37E-07	1.86E-07	6.96E-08	3.73E-07	1.37E-07

3228	472863.1	3847377	5.29E-03	5.16E-03	5.09E-03	1.83E-06	5.53E-06	3.20E-06	3.12E-06	2.83E-06	1.29E-06	1.28E-06	0.00E+00	0.00E+00	5.89E-07	1.06E-07	6.73E-07	1.04E-07	9.87E-08	1.57E-06	1.67E-06	6.12E-07	8.34E-07	3.11E-07	1.67E-06	6.12E-07
3229	473363.1	3847377	4.87E-03	4.76E-03	4.69E-03	1.69E-06	5.09E-06	2.95E-06	2.88E-06	2.61E-06	1.19E-06	1.17E-06	0.00E+00	0.00E+00	5.43E-07	9.77E-08	6.20E-07	9.56E-08	9.10E-08	1.45E-06	1.54E-06	5.64E-07	7.68E-07	2.87E-07	1.54E-06	5.64E-07
3230	473863.1	3847377	2.29E-03	2.24E-03	2.21E-03	7.93E-07	2.40E-06	1.39E-06	1.35E-06	1.23E-06	5.60E-07	5.52E-07	0.00E+00	0.00E+00	2.55E-07	4.59E-08	2.91E-07	4.49E-08	4.28E-08	6.80E-07	7.23E-07	2.65E-07	3.61E-07	1.35E-07	7.23E-07	2.65E-07
3231	474363.1	3847377	1.68E-03	1.64E-03	1.62E-03	5.82E-07	1.76E-06	1.02E-06	9.92E-07	9.00E-07	4.10E-07	4.05E-07	0.00E+00	0.00E+00	1.87E-07	3.37E-08	2.14E-07	3.30E-08	3.14E-08	4.99E-07	5.30E-07	1.95E-07	2.65E-07	9.89E-08	5.30E-07	1.95E-07
3232	474863.1	3847377	1.24E-03	1.21E-03	1.20E-03	4.30E-07	1.30E-06	7.52E-07	7.34E-07	6.65E-07	3.04E-07	3.00E-07	0.00E+00	0.00E+00	1.38E-07	2.49E-08	1.58E-07	2.44E-08	2.32E-08	3.69E-07	3.92E-07	1.44E-07	1.96E-07	7.32E-08	3.92E-07	1.44E-07
3233	475363.1	3847377	9.90E-04	9.66E-04	9.54E-04	3.43E-07	1.04E-06	5.99E-07	5.85E-07	5.30E-07	2.42E-07	2.39E-07	0.00E+00	0.00E+00	1.10E-07	1.98E-08	1.26E-07	1.94E-08	1.85E-08	2.94E-07	3.13E-07	1.15E-07	1.56E-07	5.83E-08	3.13E-07	1.15E-07
3234	475863.1	3847377	9.10E-04	8.88E-04	8.76E-04	3.15E-07	9.51E-07	5.51E-07	5.37E-07	4.87E-07	2.22E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.82E-08	1.16E-07	1.78E-08	1.70E-08	2.70E-07	2.87E-07	1.05E-07	1.43E-07	5.36E-08	2.87E-07	1.05E-07
3235	476363.1	3847377	8.31E-04	8.11E-04	8.00E-04	2.88E-07	8.69E-07	5.03E-07	4.91E-07	4.45E-07	2.03E-07	2.00E-07	0.00E+00	0.00E+00	9.25E-08	1.67E-08	1.06E-07	1.63E-08	1.55E-08	2.47E-07	2.62E-07	9.62E-08	1.31E-07	4.89E-08	2.62E-07	9.62E-08
3236	476863.1	3847377	7.26E-04	7.08E-04	6.99E-04	2.51E-07	7.58E-07	4.39E-07	4.28E-07	3.88E-07	1.77E-07	1.75E-07	0.00E+00	0.00E+00	8.08E-08	1.45E-08	9.23E-08	1.42E-08	1.35E-08	2.15E-07	2.29E-07	8.40E-08	1.14E-07	4.27E-08	2.29E-07	8.40E-08
3237	477363.1	3847377	6.57E-04	6.41E-04	6.33E-04	2.27E-07	6.87E-07	3.98E-07	3.88E-07	3.52E-07	1.60E-07	1.58E-07	0.00E+00	0.00E+00	7.32E-08	1.32E-08	8.36E-08	1.29E-08	1.23E-08	1.95E-07	2.07E-07	7.61E-08	1.04E-07	3.87E-08	2.07E-07	7.61E-08
3238	477863.1	3847377	5.95E-04	5.80E-04	5.72E-04	2.06E-07	6.21E-07	3.60E-07	3.51E-07	3.18E-07	1.45E-07	1.43E-07	0.00E+00	0.00E+00	6.62E-08	1.19E-08	7.56E-08	1.17E-08	1.11E-08	1.76E-07	1.88E-07	6.88E-08	9.37E-08	3.50E-08	1.88E-07	6.88E-08
3239	478363.1	3847377	5.46E-04	5.32E-04	5.25E-04	1.89E-07	5.70E-07	3.30E-07	3.22E-07	2.92E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.07E-08	1.09E-08	6.94E-08	1.07E-08	1.02E-08	1.62E-07	1.72E-07	6.32E-08	8.59E-08	3.21E-08	1.72E-07	6.32E-08
3240	478863.1	3847377	5.12E-04	5.00E-04	4.93E-04	1.77E-07	5.35E-07	3.10E-07	3.02E-07	2.74E-07	1.25E-07	1.23E-07	0.00E+00	0.00E+00	5.70E-08	1.03E-08	6.51E-08	1.00E-08	9.55E-09	1.52E-07	1.62E-07	5.93E-08	8.07E-08	3.01E-08	1.62E-07	5.93E-08
3241	479363.1	3847377	4.53E-04	4.42E-04	4.37E-04	1.57E-07	4.74E-07	2.74E-07	2.68E-07	2.43E-07	1.11E-07	1.09E-07	0.00E+00	0.00E+00	5.05E-08	9.09E-09	5.77E-08	8.89E-09	8.46E-09	1.35E-07	1.43E-07	5.25E-08	7.14E-08	2.67E-08	1.43E-07	5.25E-08
3242	479863.1	3847377	3.89E-04	3.79E-04	3.74E-04	1.35E-07	4.06E-07	2.35E-07	2.30E-07	2.08E-07	9.49E-08	9.37E-08	0.00E+00	0.00E+00	4.33E-08	7.79E-09	4.94E-08	7.62E-09	7.25E-09	1.15E-07	1.23E-07	4.50E-08	6.12E-08	2.29E-08	1.23E-07	4.50E-08
3243	480363.1	3847377	3.28E-04	3.20E-04	3.16E-04	1.13E-07	3.43E-07	1.98E-07	1.94E-07	1.75E-07	8.00E-08	7.90E-08	0.00E+00	0.00E+00	3.65E-08	6.57E-09	4.17E-08	6.43E-09	6.12E-09	9.73E-08	1.03E-07	3.79E-08	5.16E-08	1.93E-08	1.03E-07	3.79E-08
3244	480863.1	3847377	3.04E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.84E-07	1.79E-07	1.63E-07	7.42E-08	7.32E-08	0.00E+00	0.00E+00	3.38E-08	6.09E-09	3.86E-08	5.96E-09	5.67E-09	9.01E-08	9.58E-08	3.52E-08	4.78E-08	1.79E-08	9.58E-08	3.52E-08
3245	481363.1	3847377	3.08E-04	3.01E-04	2.97E-04	1.07E-07	3.22E-07	1.87E-07	1.82E-07	1.65E-07	7.53E-08	7.43E-08	0.00E+00	0.00E+00	3.43E-08	6.18E-09	3.92E-08	6.05E-09	5.75E-09	9.15E-08	9.73E-08	3.57E-08	4.86E-08	1.81E-08	9.73E-08	3.57E-08
3246	481863.1	3847377	3.27E-04	3.19E-04	3.14E-04	1.13E-07	3.41E-07	1.98E-07	1.93E-07	1.75E-07	7.97E-08	7.87E-08	0.00E+00	0.00E+00	3.63E-08	6.54E-09	4.15E-08	6.40E-09	6.09E-09	9.69E-08	1.03E-07	3.78E-08	5.14E-08	1.92E-08	1.03E-07	3.78E-08
3247	482363.1	3847377	3.14E-04	3.06E-04	3.02E-04	1.09E-07	3.28E-07	1.90E-07	1.85E-07	1.68E-07	7.67E-08	7.57E-08	0.00E+00	0.00E+00	3.50E-08	6.29E-09	3.99E-08	6.16E-09	5.86E-09	9.32E-08	9.91E-08	3.64E-08	4.95E-08	1.85E-08	9.91E-08	3.64E-08
3248	482863.1	3847377	2.97E-04	2.90E-04	2.86E-04	1.03E-07	3.11E-07	1.80E-07	1.76E-07	1.59E-07	7.26E-08	7.17E-08	0.00E+00	0.00E+00	3.31E-08	5.96E-09	3.78E-08	5.83E-09	5.55E-09	8.83E-08	9.39E-08	3.44E-08	4.69E-08	1.75E-08	9.39E-08	3.44E-08
3249	483363.1	3847377	2.83E-04	2.76E-04	2.72E-04	9.78E-08	2.95E-07	1.71E-07	1.67E-07	1.51E-07	6.90E-08	6.81E-08	0.00E+00	0.00E+00	3.14E-08	5.66E-09	3.59E-08	5.54E-09	5.27E-09	8.39E-08	8.92E-08	3.27E-08	4.45E-08	1.66E-08	8.92E-08	3.27E-08
3250	483863.1	3847377	2.75E-04	2.68E-04	2.64E-04	9.51E-08	2.87E-07	1.66E-07	1.62E-07	1.47E-07	6.71E-08	6.62E-08	0.00E+00	0.00E+00	3.06E-08	5.50E-09	3.49E-08	5.39E-09	5.12E-09	8.15E-08	8.67E-08	3.18E-08	4.33E-08	1.62E-08	8.67E-08	3.18E-08
3251	484363.1	3847377	2.74E-04	2.67E-04	2.64E-04	9.48E-08	2.86E-07	1.66E-07	1.62E-07	1.47E-07	6.69E-08	6.60E-08	0.00E+00	0.00E+00	3.05E-08	5.49E-09	3.48E-08	5.37E-09	5.11E-09	8.13E-08	8.64E-08	3.17E-08	4.31E-08	1.61E-08	8.64E-08	3.17E-08
3252	484863.1	3847377	2.64E-04	2.57E-04	2.54E-04	9.13E-08	2.76E-07	1.60E-07	1.56E-07	1.41E-07	6.44E-08	6.36E-08	0.00E+00	0.00E+00	2.94E-08	5.29E-09	3.36E-08	5.17E-09	4.92E-09	7.83E-08	8.33E-08	3.05E-08	4.16E-08	1.55E-08	8.33E-08	3.05E-08
3253	485363.1	3847377	2.57E-04	2.51E-04	2.47E-04	8.89E-08	2.68E-07	1.55E-07	1.52E-07	1.37E-07	6.27E-08	6.19E-08	0.00E+00	0.00E+00	2.86E-08	5.15E-09	3.27E-08	5.04E-09	4.79E-09	7.62E-08	8.11E-08	2.97E-08	4.05E-08	1.51E-08	8.11E-08	2.97E-08
3254	485863.1	3847377	2.53E-04	2.47E-04	2.44E-04	8.76E-08	2.65E-07	1.53E-07	1.49E-07	1.35E-07	6.18E-08	6.10E-08	0.00E+00	0.00E+00	2.82E-08	5.07E-09	3.22E-08	4.96E-09	4.72E-09	7.51E-08	7.99E-08	2.93E-08	3.99E-08	1.49E-08	7.99E-08	2.93E-08
3255	486363.1	3847377	2.49E-04	2.43E-04	2.40E-04	8.63E-08	2.61E-07	1.51E-07	1.47E-07	1.33E-07	6.09E-08	6.01E-08	0.00E+00	0.00E+00	2.78E-08	5.00E-09	3.17E-08	4.89E-09	4.65E-09	7.40E-08	7.87E-08	2.89E-08	3.93E-08	1.47E-08	7.87E-08	2.89E-08
3256	486863.1	3847377	2.33E-04	2.27E-04	2.24E-04	8.06E-08	2.43E-07	1.41E-07	1.37E-07	1.25E-07	5.68E-08	5.61E-08	0.00E+00	0.00E+00	2.59E-08	4.66E-09	2.96E-08	4.56E-09	4.34E-09	6.91E-08	7.35E-08	2.69E-08	3.67E-08	1.37E-08	7.35E-08	2.69E-08
3257	487363.1	3847377	2.30E-04	2.25E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.36E-07	1.23E-07	5.62E-08	5.55E-08	0.00E+00	0.00E+00	2.56E-08	4.61E-09	2.93E-08	4.52E-09	4.30E-09	6.83E-08	7.27E-08	2.67E-08	3.63E-08	1.36E-08	7.27E-08	2.67E-08
3258	487863.1	3847377	2.19E-04	2.14E-04	2.11E-04	7.60E-08	2.29E-07	1.33E-07	1.30E-07	1.17E-07	5.36E-08	5.29E-08	0.00E+00	0.00E+00	2.44E-08	4.40E-09	2.79E-08	4.30E-09	4.10E-09	6.51E-08	6.93E-08	2.54E-08	3.46E-08	1.29E-08	6.93E-08	2.54E-08
3259	488363.1	3847377	2.13E-04	2.08E-04	2.05E-04	7.38E-08	2.23E-07	1.29E-07	1.26E-07	1.14E-07	5.21E-08	5.14E-08	0.00E+00	0.00E+00	2.37E-08	4.27E-09	2.71E-08	4.18E-09	3.98E-09	6.33E-08	6.73E-08	2.47E-08	3.36E-08	1.26E-08	6.73E-08	2.47E-08
3260	488863.1	3847377	2.09E-04	2.04E-04	2.01E-04	7.24E-08	2.19E-07	1.27E-07	1.23E-07	1.12E-07	5.11E-08	5.04E-08	0.00E+00	0.00E+00	2.33E-08	4.19E-09	2.66E-08	4.10E-09	3.90E-09	6.21E-08	6.60E-08	2.42E-08	3.29E-08	1.23E-08	6.60E-08	2.42E-08
3261	489363.1	3847377	2.05E-04	2.00E-04	1.98E-04	7.11E-08	2.15E-07	1.24E-07	1.21E-07	1.10E-07	5.02E-08	4.95E-08	0.00E+00	0.00E+00	2.29E-08	4.12E-09	2.61E-08	4.03E-09	3.83E-09	6.10E-08	6.48E-08	2.38E-08	3.24E-08	1.21E-08	6.48E-08	2.38E-08
3262	489863.1	3847377	1.96E-04	1.91E-04	1.89E-04	6.78E-08	2.05E-07	1.18E-07	1.16E-07	1.05E-07	4.78E-08	4.72E-08	0.00E+00	0.00E+00	2.18E-08	3.92E-09	2.49E-08	3.84E-09	3.65E-09	5.81E-08	6.18E-08	2.27E-08	3.08E-08	1.15E-08	6.18E-08	2.27E-08
3263	490363.1	3847377	1.87E-04	1.82E-04	1.80E-04	6.46E-08	1.95E-07	1.13E-07	1.10E-07	9.99E-08	4.56E-08	4.50E-08	0.00E+00	0.00E+00	2.08E-08	3.74E-09	2.37E-08	3.66E-09	3.48E-09	5.54E-08	5.89E-08	2.16E-08	2.94E-08	1.10E-08	5.89E-08	2.16E-08
3264	490863.1	3847377	1.83E-04	1.79E-04	1.76E-04	6.33E-08	1.91E-07	1.11E-07	1.08E-07	9.79E-08	4.47E-08	4.41E-08	0.00E+00	0.00E+00	2.04E-08	3.67E-09	2.33E-08	3.59E-09	3.41E-09	5.43E-08	5.77E-08	2.12E-08	2.88E-08	1.08E-08	5.77E-08	2.12E-08
3265	491363.1	3847377	1.78E-04	1.74E-04	1.72E-04	6.18E-08	1.86E-07	1.08E-07	1.05E-07	9.55E-08	4.36E-08	4.30E-08	0.00E+00	0.00E+00	1.99E-08	3.58E-09	2.27E-08	3.50E-09	3.33E-09	5.29E-08	5.63E-08	2.07E-08	2.81E-08	1.05E-08	5.63E-08	2.07E-08
3266	491863.1	3847377	1.80E-04	1.76E-04	1.73E-04	6.23E-08	1.88E-07	1.09E-07	1.06E-07	9.64E-08	4.40E-08	4.34E-08	0.00E+00	0.00E+00	2.00E-08	3.61E-09	2.29E-08	3.53E-09	3.36E-09	5.34E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
3267	492363.1	3847377	1.75E-04	1.71E-04	1.69E-04	6.07E-08	1.83E-07	1.06E-07	1.04E-07	9.39E-08	4.29E-08	4.23E-08	0.00E+00	0.00E+00	1.95E-08	3.52E-09	2.23E-08	3.44E-09	3.27E-09	5.21E-08	5.54E-08	2.03E-08	2.76E-08	1.03E-08	5.54E-08	2.03E-08
3268	492863.1	3847377	1.75E-04	1.71E-04	1.69E-04	6.06E-08	1.83E-07	1.06E-07	1.03E-07	9.37E-08	4.28E-08	4.22E-08	0.00E+00	0.00E+00	1.95E-08	3.51E-09	2.23E-08	3.43E-09	3.27E-09	5.20E-08	5.53E-08	2.03E-08	2.76E-08	1.03E-08	5.53E-08	2.03E-08
3269	493363.1	3847377	1.73E-04	1.69E-04	1.67E-04	6.00E-08	1.81E-07	1.05E-07	1.02E-07	9.28E-08	4.24E-08	4.18E-08	0.00E+00	0.00E+00	1.93E-08	3.48E-09	2.21E-08	3.40E-09	3.24E-09	5.15E-08	5.47E-08	2.01E-08	2.73E-08	1.02E-08	5.47E-08	2.01E-08
3270	493863.1	3847377	1.69E-04	1.65E-04	1.63E-04	5.86E-08	1.77E-07	1.02E-07	9.99E-08	9.06E-08	4.13E-08	4.08E-08	0.00E+00	0.00E+00	1.88E-08	3.39E-09	2.15E-08	3.32E-09	3.16E-09	5.02E-08	5.34E-08	1.96E-08	2.67E-08	9.96E-09	5.34E-08	1.96E-08
3271	494363.1	3847377	1.66E-04	1.62E-04	1.60E-04	5.74E-08	1.73E-07	1.00E-07	9.80E-08	8.88E-08	4.05E-08	4.00E-08	0.00E+00	0.00E+00	1.85E-08	3.33E-09	2.11E-08	3.25E-09	3.10E-09	4.93E-08	5.24E-08	1.92E-08	2.61E-08	9.77E-09	5.24E-08	1.92E-08
3272	494863.1	3847377	1.64E-04	1.60E-04	1.58E-04	5.67E-08	1.71E-07	9.92E-08	9.68E-08	8.77E-08	4.00E-08	3.95E-08	0.00E+00	0.00E+00	1.82E-08	3.28E-09	2.08E-08	3.21E-09	3.06E-09	4.86E-08	5.17E-08	1.90E-08	2.58E-08	9.65E-09	5.17E-08	1.90E-08
3273	495363.1	3847377	1.62E-04	1.58E-04	1.56E-04	5.62E-08	1.70E-07	9.82E-08	9.58E-08	8.68E-08	3.96E-08	3.91E-08	0.00E+00	0.00E+00	1.81E-08	3.25E-09	2.06E-08	3.18E-09	3.03E-09	4.81E-08	5.12E-08	1.88E-08	2.56E-08	9.55E-09	5.12E-08	1.88E-08
3274	495863.1	3847377	1.61E-04	1.57E-04	1.55E-04	5.59E-08	1.69E-07	9.77E-08	9.53E-08	8.64E-08	3.94E-08	3.89E-08	0.00E+00	0.00E+00	1.80E-08	3.23E-09	2.05E-08	3.16E-09	3.01E-09	4.79E-08	5.09E-08	1.87E-08	2.54E-08	9.50E-09	5.09E-08	1.87E-08
3275	496363.1	3847377	1.61E-04	1.57E-04	1.55E-04	5.56E-08	1.68E-07	9.71E-08	9.48E-08	8.59E-08	3.92E-08	3.87E-08	0.00E+00	0.00E+00	1.79E-08	3.22E-09	2.04E-08	3.15E-09	3.00E-09	4.77E-08	5.07E-08	1.86E-08	2.53E-08	9.45E-09	5.07E-08	1.86E-08
3276	496863.1	3847377	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	0.00E+00	0.00E+00	1.80E-08	3.24E-09	2.06E-08	3.17E-09	3.02E-09	4.80E-08	5.11E-08	1.87E-08	2.55E-08	9.53E-09	5.11E-08	1.87E-08
3277	497363.1	3847377	1.64E-04	1.60E-04	1.58E-04	5.67E-08	1.71E-07	9.92E-08	9.68E-08	8.77E-08	4.00E-08	3.95E-08	0.00E+00	0.00E+00	1.82E-08	3.28E-09	2.08E-08	3.21E-09	3.06E-09	4.86E-08	5.17E-08	1.90E-08	2.58E-08	9.65E-09	5.17E-08	1.90E-08
3278	497863.1	3847377	1.67E-04	1.63E-04	1.61E-04	5.79E-08	1.75E-07	1.01E-07	9.87E-08	8.95E-08	4.08E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.35E-09	2.13E-08	3.28E-09	3.12E-09	4.96E-08	5.28E-08	1.94E-08	2.63E-08	9.84E-09	5.28E-08	1.94E-08
3279	498363.1	3847377	1.66E-04	1.62E-04	1.60E-04	5.76E-08	1.74E-07	1.01E-07	9.82E-08	8.90E-08	4.06E-08	4.01E-08	0.00E+00	0.00E+00	1.85E-08	3.33E-09	2.12E-08	3.26E-09	3.10E-09	4.94E-08	5.25E-08	1.93E-08	2.62E-08	9.79E-09	5.25E-08	1.93E-08
3280	471363.1	3847877	3.96E-04	3.87E-04	3.81E-04	1.37E-07	4.14E-07	2.40E-07	2.34E-07	2.12E-07	9.68E-08	9.55E-08	0.00E+00	0.00E+00	4.41E-08	7.94E-09	5.04E-08	7.77E-09	7.39E-09	1.18E-07	1.25E-07	4.59E-08	6.24E-08	2.33E-08	1.25E-07	4.59E-08
3281	471863.1	3847877	4.80E-04	4.68E-04	4.62E-04	1.66E-07	5.02E-07	2.90E-07	2.83E-07	2.57E-07	1.17E-07	1.16E-07	0.00E+00	0.00E+00	5.34E-08	9.62E-09	6.10E-08	9.41E-09	8.96E-09	1.42E-07	1.52E-07	5.56E-08	7.56E-08	2.83E-08	1.52E-07	5.56E-08
3282	472363.1	3847877	6.30E-04	6.15E-04	6.06E-04	2.18E-07	6.58E-07	3.81E-07	3.72E-07	3.37E-07	1.54E-07	1.52E-07	0.00E+00	0.00E+00	7.01E-08	1.26E-08	8.01E-08	1.24E-08	1.18E-08	1.87E-07	1.99E-07	7.29E-08	9.92E-08	3.71E-08	1.99E-07	7.29E-08
3283	472863.1	3847877	9.34E-04	9.11E-04	8.99E-04	3.23E-07	9.76E-07	5.65E-07	5.51E-07	5.00E-07	2.28E-07	2.25E-07	0.00E+00	0.00E+00	1.04E-07	1.87E-08	1.19E-07	1.83E-08	1.74E-08	2.77E-07	2.95E-07	1.08E-07	1.47E-07	5.50E-08	2.95E-07	1.08E-07
3284	473363.1	3847877	1.85E-03	1.80E-03	1.78E-03	6.39E-07	1.93E-06	1.12E-06	1.09E-06	9.88E-07	4.51E-07	4.45E-07	0.00E+00	0.00E+00	2.06E-07	3.70E-08	2.35E-07	3.62E-08	3.44E-08	5.48E-07	5.83E-07	2.14E-07	2.91E-07	1.09E-07	5.83E-07	2.14E-07
3285	473863.1	3847877	3.24E-02	3.16E-02	3.12E-02	1.12E-05	3.39E-05	1.96E-05	1.91E-05	1.73E-05	7.92E-06	7.81E-06	0.00E+00	0.00E+00	3.61E-06	6.50E-07	4.12E-06	6.36E-07	6.05E-07	9.62E-06	1.02E-05	3.75E-06	5.11E-06	1.91E-06	1.02E-05	3.75E-06
3286	474363.1	3847877	3.52E-03	3.43E-03	3.39E-03	1.22E-06	3.68E-06	2.13E-06	2.08E-06	1.88E-06	8.60E-07	8.48E-07	0.00E+00	0.00E+00	3.92E-07	7.05E-08	4.48E-07	6.90E-08	6.57E-08	1.04E-06	1.11E-06	4.07E-07	5.54E-07	2.07E-07	1.11E-06	4.07E-07
3287	474863.1	3847877	2.13E-03	2.08E-03	2.05E-03	7.38E-07	2.23E-06	1.29E-06	1.26E-06	1.14E-06	5.21E-07	5.14E-07	0.00E+00	0.00E+00	2.37E-07	4.27E-08	2.71E-07	4.18E-08	3.98E-08	6.33E-07	6.73E-07	2.47E-07	3.36E-07	1.26E-07	6.73E-07	2.47E-07
3288	475363.1	3847877	1.43E-03	1.40E-03	1.38E-03	4.95E-07	1.50E-06	8.66E-07	8.45E-07	7.66E-07	3.49E-07	3.45E-07	0.00E+00	0.00E+00	1.59E-07	2.87E-08	1.82E-07	2.81E-08	2.67E-08	4.25E-07	4.52E-07	1.66E-07	2.25E-07	8.42E-08	4.52E-07	1.66E-07
3289	475863.1	3847877	1.10E-03	1.07E-03	1.06E-03	3.81E-07	1.15E-06	6.66E-07	6.50E-07	5.89E-07	2.69E-07	2.65E-07	0.00E+00	0.00E+00	1.23E-07	2.21E-08	1.40E-07	2.16E-08	2.05E-08	3.27E-07	3.47E-07	1.27E-07	1.73E-07	6.48E-08	3.47E-07	1.27E-07
3290	476363.1	3847877	1.05E-03	1.02E-03	1.01E-03	3.63E-07	1.10E-06	6.35E-07	6.19E-07	5.61E-07	2.56E-07	2.53E-07	0.00E+00	0.00E+00	1.17E-07	2.10E-08	1.33E-07	2.06E-08	1.96E-08	3.11E-07	3.31E-07	1.21E-07	1.65E-07	6.17E-08	3.31E-07	1.21E-07
3291	476863.1	3847877	9.16E-04	8.94E-04	8.82E-04	3.17E-07	9.58E-07	5.55E-07	5.41E-07	4.91E-07	2.24E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.84E-08	1.17E-07	1.80E-08	1.71E-08	2.72E-07	2.89E-07	1.06E-07	1.44E-07	5.40E-08	2.89E-07	1.06E-07
3292	477363.1	3847877	8.10E-04	7.91E-04	7.80E-04	2.80E-07	8.47E-07	4.90E-07	4.78E-07	4.34E-07	1.98E-07	1.95E-07	0.00E+00	0.00E+00	9.02E-08	1.62E-08	1.03E-07	1.59E-08	1.51E-08	2.40E-07	2.56E-07	9.38E-08	1.28E-07	4.77E-08	2.56E-07	9.38E-08
3293	477863.1	3847877	7.34E-04	7.16E-04	7.07E-04	2.54E-07	7.67E-07	4.44E-07	4.33E-07	3.93E-07	1.79E-07	1.77E-07	0.00E+00	0.00E+00	8.17E-08	1.47E-08	9.33E-08	1.44E-08	1.37E-08	2.18E-07	2.32E-07	8.50E-08	1.16E-07	4.32E-08	2.32E-07	8.50E-08
3294	478363.1	3847877	6.65E-04	6.49E-04	6.41E-04	2.30E-07	6.96E-07	4.03E-07	3.93E-07	3.56E-07	1.63E-07	1.60E-07	0.00E+00	0.00E+00	7.41E-08	1.33E-08	8.46E-08	1.31E-08	1.24E-08	1.98E-07	2.10E-07	7.70E-08	1.05E-07	3.92E-08	2.10E-07	7.70E-08
3295	478863.1	3847877	6.14E-04	5.99E-04	5.91E-04	2.12E-07	6.41E-07	3.71E-07	3.62E-07	3.28E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.83E-08	1.23E-08	7.80E-08	1.20E-08	1.14E-08	1.82E-07	1.94E-07	7.10E-08	9.67E-08	3.61E-08	1.94E-07	7.10E-08
3296	479363.1	3847877	5.13E-04	5.01E-04	4.94E-04	1.78E-07	5.36E-07	3.11E-07	3.03E-07	2.75E-07	1.25E-07	1.24E-07	0.00E+00	0.00E+00	5.71E-08	1.03E-08	6.53E-08	1.01E-08	9.58E-09	1.52E-07	1.62E-07	5.94E-08	8.08E-08	3.02E-08	1.62E-07	5.94E-08
3297	479863.1	3847877	3.98E-04	3.89E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.73E-08	9.60E-08	0.00E+00	0.00E+00	4.43E-08	7.98E-09	5.06E-08	7.81E-09	7.43E-09	1.18E-07	1.26E-07	4.61E-08	6.27E-08	2.34E-08	1.26E-07	4.61E-08
3298	480363.1	3847877	3.92E-04	3.82E-04	3.77E-04	1.36E-07	4.09E-07	2.37E-07	2.31E-07	2.10E-07	9.56E-08	9.44E-08	0.00E+00	0.00E+00	4.36E-08	7.85E-09	4.98E-08	7.68E-09	7.31E-09	1.16E-07	1.24E-07	4.53E-08	6.17E-08	2.31E-08	1.24E-07	4.53E-08
3299	480863.1	3847877	3.61E-04	3.52E-04	3.47E-04	1.25E-07	3.77E-07	2.18E-07	2.13E-07	1.93E-07	8.80E-08	8.69E-08	0.00E+00	0.00E+00	4.01E-08	7.23E-09	4.58E-08	7.07E-09	6.73E-09	1.07E-07	1.14E-07	4.17E-08	5.68E-08	2.12E-08	1.14E-07	4.17E-08
3300	481363.1	3847877	3.51E-04	3.42E-04	3.38E-04	1.21E-07	3.66E-07	2.12E-07	2.07E-07	1.88E-07	8.56E-08	8.45E-08	0.00E+00	0.00E+00	3.90E-08	7.03E-09	4.46E-08	6.88E-09	6.54E-09	1.04E-07	1.11E-07	4.06E-08	5.52E-08	2.06E-08	1.11E-07	4.06E-08
3301	481863.1	3847877	3.83E-04	3.73E-04	3.68E-04	1.32E-07	4.00E-07	2.31E-07	2.26E-07	2.05E-07	9.34E-08	9.22E-08	0.00E+00	0.00E+00	4.26E-08	7.67E-09	4.86E-08	7.50E-09	7.14E-09	1.14E-07	1.21E-07	4.43E-08	6.03E-08	2.25E-08	1.21E-07	4.43E-08
3302	482363.1	3847877	3.62E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.14E-07	1.94E-07	8.84E-08	8.72E-08	0.00E+00	0.00E+00	4.03E-08	7.25E-09	4.60E-08	7.09E-09	6.75E-09	1.07E-07	1.14E-07	4.19E-08	5.70E-08	2.13E-08	1.14E-07	4.19E-08
3303	482863.1	3847877	3.38E-04	3.30E-04	3.26E-04	1.17E-07	3.53E-07	2.05E-07	2.00E-07	1.81E-07	8.26E-08	8.15E-08	0.00E+00	0.00E+00	3.76E-08	6.78E-09	4.30E-08	6.63E-09	6.31E-09	1.00E-07	1.07E-07	3.91E-08	5.33E-08	1.99E-08	1.07E-07	3.91E-08
3304	483363.1	3847877	3.22E-04	3.14E-04	3.10E-04	1.11E-07	3.36E-07	1.95E-07	1.90E-07	1.72E-07	7.85E-08	7.75E-08	0.00E+00	0.00E+00	3.58E-08	6.44E-09	4.09E-08	6.31E-09	6.00E-09	9.54E-08	1.01E-07	3.72E-08	5.07E-08	1.89E-08	1.01E-07	3.72E-08

3305	483863.1	3847877	3.12E-04	3.05E-04	3.01E-04	1.08E-07	3.27E-07	1.89E-07	1.84E-07	1.67E-07	7.63E-08	7.53E-08	0.00E+00	0.00E+00	3.48E-08	6.26E-09	3.97E-08	6.13E-09	5.83E-09	9.27E-08	9.86E-08	3.62E-08	4.92E-08	1.84E-08	9.86E-08	3.62E-08
3306	484363.1	3847877	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.82E-07	1.65E-07	7.55E-08	7.45E-08	0.00E+00	0.00E+00	3.44E-08	6.19E-09	3.93E-08	6.06E-09	5.77E-09	9.17E-08	9.76E-08	3.58E-08	4.87E-08	1.82E-08	9.76E-08	3.58E-08
3307	484863.1	3847877	2.99E-04	2.92E-04	2.88E-04	1.04E-07	3.13E-07	1.81E-07	1.77E-07	1.60E-07	7.31E-08	7.21E-08	0.00E+00	0.00E+00	3.33E-08	5.99E-09	3.80E-08	5.87E-09	5.58E-09	8.88E-08	9.44E-08	3.46E-08	4.71E-08	1.76E-08	9.44E-08	3.46E-08
3308	485363.1	3847877	2.94E-04	2.87E-04	2.83E-04	1.02E-07	3.07E-07	1.78E-07	1.73E-07	1.57E-07	7.17E-08	7.08E-08	0.00E+00	0.00E+00	3.27E-08	5.89E-09	3.74E-08	5.76E-09	5.48E-09	8.72E-08	9.27E-08	3.40E-08	4.63E-08	1.73E-08	9.27E-08	3.40E-08
3309	485863.1	3847877	2.88E-04	2.81E-04	2.77E-04	9.97E-08	3.01E-07	1.74E-07	1.70E-07	1.54E-07	7.03E-08	6.94E-08	0.00E+00	0.00E+00	3.21E-08	5.77E-09	3.66E-08	5.65E-09	5.37E-09	8.55E-08	9.09E-08	3.33E-08	4.54E-08	1.69E-08	9.09E-08	3.33E-08
3310	486363.1	3847877	2.74E-04	2.67E-04	2.64E-04	9.48E-08	2.86E-07	1.66E-07	1.62E-07	1.47E-07	6.69E-08	6.60E-08	0.00E+00	0.00E+00	3.05E-08	5.49E-09	3.48E-08	5.37E-09	5.11E-09	8.13E-08	8.64E-08	3.17E-08	4.31E-08	1.61E-08	8.64E-08	3.17E-08
3311	486863.1	3847877	2.62E-04	2.56E-04	2.52E-04	9.08E-08	2.74E-07	1.59E-07	1.55E-07	1.40E-07	6.40E-08	6.32E-08	0.00E+00	0.00E+00	2.92E-08	5.25E-09	3.33E-08	5.14E-09	4.89E-09	7.78E-08	8.28E-08	3.04E-08	4.13E-08	1.54E-08	8.28E-08	3.04E-08
3312	487363.1	3847877	2.53E-04	2.47E-04	2.44E-04	8.76E-08	2.65E-07	1.53E-07	1.49E-07	1.35E-07	6.18E-08	6.10E-08	0.00E+00	0.00E+00	2.82E-08	5.07E-09	3.22E-08	4.96E-09	4.72E-09	7.51E-08	7.99E-08	2.93E-08	3.99E-08	1.49E-08	7.99E-08	2.93E-08
3313	487863.1	3847877	2.41E-04	2.35E-04	2.32E-04	8.34E-08	2.52E-07	1.46E-07	1.42E-07	1.29E-07	5.89E-08	5.81E-08	0.00E+00	0.00E+00	2.68E-08	4.83E-09	3.07E-08	4.73E-09	4.50E-09	7.15E-08	7.61E-08	2.79E-08	3.80E-08	1.42E-08	7.61E-08	2.79E-08
3314	488363.1	3847877	2.34E-04	2.28E-04	2.25E-04	8.09E-08	2.44E-07	1.41E-07	1.38E-07	1.25E-07	5.70E-08	5.63E-08	0.00E+00	0.00E+00	2.60E-08	4.68E-09	2.97E-08	4.58E-09	4.36E-09	6.93E-08	7.37E-08	2.70E-08	3.68E-08	1.38E-08	7.37E-08	2.70E-08
3315	488863.1	3847877	2.29E-04	2.23E-04	2.20E-04	7.91E-08	2.39E-07	1.38E-07	1.35E-07	1.22E-07	5.58E-08	5.51E-08	0.00E+00	0.00E+00	2.54E-08	4.58E-09	2.91E-08	4.48E-09	4.27E-09	6.78E-08	7.21E-08	2.65E-08	3.60E-08	1.35E-08	7.21E-08	2.65E-08
3316	489363.1	3847877	2.24E-04	2.18E-04	2.15E-04	7.74E-08	2.34E-07	1.35E-07	1.32E-07	1.20E-07	5.46E-08	5.39E-08	0.00E+00	0.00E+00	2.49E-08	4.48E-09	2.84E-08	4.39E-09	4.17E-09	6.64E-08	7.06E-08	2.59E-08	3.52E-08	1.32E-08	7.06E-08	2.59E-08
3317	489863.1	3847877	2.22E-04	2.17E-04	2.14E-04	7.68E-08	2.32E-07	1.34E-07	1.31E-07	1.19E-07	5.42E-08	5.35E-08	0.00E+00	0.00E+00	2.47E-08	4.45E-09	2.82E-08	4.35E-09	4.14E-09	6.59E-08	7.01E-08	2.57E-08	3.50E-08	1.31E-08	7.01E-08	2.57E-08
3318	490363.1	3847877	2.16E-04	2.11E-04	2.08E-04	7.47E-08	2.25E-07	1.31E-07	1.27E-07	1.15E-07	5.27E-08	5.20E-08	0.00E+00	0.00E+00	2.40E-08	4.32E-09	2.74E-08	4.23E-09	4.03E-09	6.40E-08	6.81E-08	2.50E-08	3.40E-08	1.27E-08	6.81E-08	2.50E-08
3319	490863.1	3847877	2.08E-04	2.03E-04	2.00E-04	7.20E-08	2.17E-07	1.26E-07	1.23E-07	1.11E-07	5.08E-08	5.01E-08	0.00E+00	0.00E+00	2.31E-08	4.17E-09	2.64E-08	4.08E-09	3.88E-09	6.17E-08	6.56E-08	2.41E-08	3.27E-08	1.22E-08	6.56E-08	2.41E-08
3320	491363.1	3847877	1.97E-04	1.92E-04	1.90E-04	6.82E-08	2.06E-07	1.19E-07	1.16E-07	1.05E-07	4.81E-08	4.75E-08	0.00E+00	0.00E+00	2.19E-08	3.95E-09	2.51E-08	3.86E-09	3.68E-09	5.85E-08	6.22E-08	2.28E-08	3.10E-08	1.16E-08	6.22E-08	2.28E-08
3321	491863.1	3847877	1.93E-04	1.88E-04	1.86E-04	6.68E-08	2.02E-07	1.17E-07	1.14E-07	1.03E-07	4.71E-08	4.65E-08	0.00E+00	0.00E+00	2.15E-08	3.87E-09	2.45E-08	3.78E-09	3.60E-09	5.73E-08	6.09E-08	2.23E-08	3.04E-08	1.14E-08	6.09E-08	2.23E-08
3322	492363.1	3847877	1.90E-04	1.85E-04	1.83E-04	6.56E-08	1.98E-07	1.15E-07	1.12E-07	1.01E-07	4.63E-08	4.57E-08	0.00E+00	0.00E+00	2.11E-08	3.80E-09	2.41E-08	3.72E-09	3.54E-09	5.63E-08	5.98E-08	2.19E-08	2.99E-08	1.12E-08	5.98E-08	2.19E-08
3323	492863.1	3847877	1.86E-04	1.81E-04	1.79E-04	6.43E-08	1.94E-07	1.12E-07	1.10E-07	9.95E-08	4.54E-08	4.48E-08	0.00E+00	0.00E+00	2.07E-08	3.72E-09	2.36E-08	3.64E-09	3.47E-09	5.52E-08	5.87E-08	2.15E-08	2.93E-08	1.09E-08	5.87E-08	2.15E-08
3324	493363.1	3847877	1.78E-04	1.73E-04	1.71E-04	6.15E-08	1.86E-07	1.07E-07	1.05E-07	9.50E-08	4.34E-08	4.28E-08	0.00E+00	0.00E+00	1.98E-08	3.56E-09	2.26E-08	3.48E-09	3.31E-09	5.27E-08	5.60E-08	2.06E-08	2.80E-08	1.05E-08	5.60E-08	2.06E-08
3325	493863.1	3847877	1.72E-04	1.68E-04	1.65E-04	5.95E-08	1.80E-07	1.04E-07	1.01E-07	9.19E-08	4.19E-08	4.14E-08	0.00E+00	0.00E+00	1.91E-08	3.44E-09	2.18E-08	3.37E-09	3.20E-09	5.10E-08	5.42E-08	1.99E-08	2.71E-08	1.01E-08	5.42E-08	1.99E-08
3326	494363.1	3847877	1.68E-04	1.64E-04	1.62E-04	5.82E-08	1.76E-07	1.02E-07	9.92E-08	8.99E-08	4.10E-08	4.05E-08	0.00E+00	0.00E+00	1.87E-08	3.37E-09	2.14E-08	3.30E-09	3.14E-09	4.99E-08	5.30E-08	1.95E-08	2.65E-08	9.89E-09	5.30E-08	1.95E-08
3327	494863.1	3847877	1.66E-04	1.62E-04	1.60E-04	5.76E-08	1.74E-07	1.01E-07	9.82E-08	8.90E-08	4.06E-08	4.01E-08	0.00E+00	0.00E+00	1.85E-08	3.33E-09	2.12E-08	3.26E-09	3.10E-09	4.94E-08	5.25E-08	1.93E-08	2.62E-08	9.79E-09	5.25E-08	1.93E-08
3328	495363.1	3847877	1.62E-04	1.58E-04	1.56E-04	5.62E-08	1.70E-07	9.82E-08	9.58E-08	8.68E-08	3.96E-08	3.91E-08	0.00E+00	0.00E+00	1.81E-08	3.25E-09	2.06E-08	3.18E-09	3.03E-09	4.81E-08	5.12E-08	1.88E-08	2.56E-08	9.55E-09	5.12E-08	1.88E-08
3329	495863.1	3847877	1.52E-04	1.48E-04	1.46E-04	5.26E-08	1.59E-07	9.19E-08	8.97E-08	8.13E-08	3.71E-08	3.66E-08	0.00E+00	0.00E+00	1.69E-08	3.04E-09	1.93E-08	2.98E-09	2.83E-09	4.51E-08	4.79E-08	1.76E-08	2.39E-08	8.94E-09	4.79E-08	1.76E-08
3330	496363.1	3847877	1.61E-04	1.57E-04	1.55E-04	5.56E-08	1.68E-07	9.71E-08	9.48E-08	8.59E-08	3.92E-08	3.87E-08	0.00E+00	0.00E+00	1.79E-08	3.22E-09	2.04E-08	3.15E-09	3.00E-09	4.77E-08	5.07E-08	1.86E-08	2.53E-08	9.45E-09	5.07E-08	1.86E-08
3331	496863.1	3847877	1.62E-04	1.58E-04	1.56E-04	5.62E-08	1.70E-07	9.82E-08	9.58E-08	8.68E-08	3.96E-08	3.91E-08	0.00E+00	0.00E+00	1.81E-08	3.25E-09	2.06E-08	3.18E-09	3.03E-09	4.81E-08	5.12E-08	1.88E-08	2.56E-08	9.55E-09	5.12E-08	1.88E-08
3332	497363.1	3847877	1.65E-04	1.61E-04	1.59E-04	5.70E-08	1.72E-07	9.97E-08	9.72E-08	8.82E-08	4.02E-08	3.97E-08	0.00E+00	0.00E+00	1.83E-08	3.30E-09	2.09E-08	3.23E-09	3.07E-09	4.89E-08	5.20E-08	1.91E-08	2.59E-08	9.70E-09	5.20E-08	1.91E-08
3333	497863.1	3847877	1.73E-04	1.68E-04	1.66E-04	5.97E-08	1.80E-07	1.04E-07	1.02E-07	9.24E-08	4.21E-08	4.16E-08	0.00E+00	0.00E+00	1.92E-08	3.46E-09	2.19E-08	3.38E-09	3.22E-09	5.12E-08	5.45E-08	2.00E-08	2.72E-08	1.02E-08	5.45E-08	2.00E-08
3334	498363.1	3847877	1.73E-04	1.69E-04	1.67E-04	6.00E-08	1.81E-07	1.05E-07	1.02E-07	9.28E-08	4.24E-08	4.18E-08	0.00E+00	0.00E+00	1.93E-08	3.48E-09	2.21E-08	3.40E-09	3.24E-09	5.15E-08	5.47E-08	2.01E-08	2.73E-08	1.02E-08	5.47E-08	2.01E-08
3335	471363.1	3848377	3.37E-04	3.29E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.24E-08	8.13E-08	0.00E+00	0.00E+00	3.75E-08	6.76E-09	4.29E-08	6.61E-09	6.29E-09	1.00E-07	1.06E-07	3.90E-08	5.31E-08	1.99E-08	1.06E-07	3.90E-08
3336	471863.1	3848377	3.90E-04	3.81E-04	3.76E-04	1.35E-07	4.08E-07	2.36E-07	2.31E-07	2.09E-07	9.53E-08	9.41E-08	0.00E+00	0.00E+00	4.35E-08	7.82E-09	4.96E-08	7.66E-09	7.28E-09	1.16E-07	1.23E-07	4.52E-08	6.15E-08	2.30E-08	1.23E-07	4.52E-08
3337	472363.1	3848377	4.65E-04	4.54E-04	4.48E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	5.18E-08	9.33E-09	5.92E-08	9.13E-09	8.69E-09	1.38E-07	1.47E-07	5.39E-08	7.33E-08	2.74E-08	1.47E-07	5.39E-08
3338	472863.1	3848377	5.81E-04	5.67E-04	5.59E-04	2.01E-07	6.07E-07	3.51E-07	3.43E-07	3.11E-07	1.42E-07	1.40E-07	0.00E+00	0.00E+00	6.47E-08	1.16E-08	7.39E-08	1.14E-08	1.08E-08	1.72E-07	1.83E-07	6.72E-08	9.15E-08	3.42E-08	1.83E-07	6.72E-08
3339	473363.1	3848377	7.84E-04	7.65E-04	7.55E-04	2.71E-07	8.19E-07	4.74E-07	4.63E-07	4.19E-07	1.91E-07	1.89E-07	0.00E+00	0.00E+00	8.72E-08	1.57E-08	9.97E-08	1.54E-08	1.46E-08	2.33E-07	2.47E-07	9.07E-08	1.23E-07	4.61E-08	2.47E-07	9.07E-08
3340	473863.1	3848377	1.27E-03	1.24E-03	1.23E-03	4.41E-07	1.33E-06	7.71E-07	7.52E-07	6.82E-07	3.11E-07	3.07E-07	0.00E+00	0.00E+00	1.42E-07	2.55E-08	1.62E-07	2.50E-08	2.38E-08	3.78E-07	4.02E-07	1.47E-07	2.01E-07	7.50E-08	4.02E-07	1.47E-07
3341	474363.1	3848377	5.64E-03	5.51E-03	5.43E-03	1.95E-06	5.90E-06	3.41E-06	3.33E-06	3.02E-06	1.38E-06	1.36E-06	0.00E+00	0.00E+00	6.28E-07	1.13E-07	7.18E-07	1.11E-07	1.05E-07	1.67E-06	1.78E-06	6.53E-07	8.89E-07	3.32E-07	1.78E-06	6.53E-07
3342	474863.1	3848377	4.55E-03	4.44E-03	4.38E-03	1.57E-06	4.75E-06	2.75E-06	2.68E-06	2.43E-06	1.11E-06	1.10E-06	0.00E+00	0.00E+00	5.06E-07	9.11E-08	5.78E-07	8.92E-08	8.48E-08	1.35E-06	1.43E-06	5.26E-07	7.16E-07	2.68E-07	1.43E-06	5.26E-07
3343	475363.1	3848377	2.55E-03	2.49E-03	2.45E-03	8.82E-07	2.66E-06	1.54E-06	1.50E-06	1.36E-06	6.22E-07	6.14E-07	0.00E+00	0.00E+00	2.84E-07	5.11E-08	3.24E-07	5.00E-08	4.75E-08	7.56E-07	8.04E-07	2.95E-07	4.01E-07	1.50E-07	8.04E-07	2.95E-07
3344	475863.1	3848377	1.64E-03	1.60E-03	1.58E-03	5.69E-07	1.72E-06	9.94E-07	9.70E-07	8.79E-07	4.01E-07	3.96E-07	0.00E+00	0.00E+00	1.83E-07	3.29E-08	2.09E-07	3.22E-08	3.07E-08	4.88E-07	5.19E-07	1.90E-07	2.59E-07	9.67E-08	5.19E-07	1.90E-07
3345	476363.1	3848377	1.23E-03	1.20E-03	1.19E-03	4.27E-07	1.29E-06	7.47E-07	7.29E-07	6.61E-07	3.02E-07	2.98E-07	0.00E+00	0.00E+00	1.37E-07	2.47E-08	1.57E-07	2.42E-08	2.30E-08	3.66E-07	3.90E-07	1.43E-07	1.95E-07	7.27E-08	3.90E-07	1.43E-07
3346	476863.1	3848377	1.20E-03	1.17E-03	1.16E-03	4.16E-07	1.26E-06	7.27E-07	7.09E-07	6.43E-07	2.93E-07	2.90E-07	0.00E+00	0.00E+00	1.34E-07	2.41E-08	1.53E-07	2.36E-08	2.24E-08	3.57E-07	3.79E-07	1.39E-07	1.89E-07	7.07E-08	3.79E-07	1.39E-07
3347	477363.1	3848377	1.06E-03	1.03E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.23E-07	5.65E-07	2.58E-07	2.54E-07	0.00E+00	0.00E+00	1.17E-07	2.11E-08	1.34E-07	2.07E-08	1.97E-08	3.13E-07	3.33E-07	1.22E-07	1.66E-07	6.21E-08	3.33E-07	1.22E-07
3348	477863.1	3848377	9.49E-04	9.26E-04	9.14E-04	3.29E-07	9.92E-07	5.74E-07	5.60E-07	5.08E-07	2.32E-07	2.29E-07	0.00E+00	0.00E+00	1.06E-07	1.90E-08	1.21E-07	1.86E-08	1.77E-08	2.82E-07	3.00E-07	1.10E-07	1.50E-07	5.59E-08	3.00E-07	1.10E-07
3349	478363.1	3848377	8.55E-04	8.34E-04	8.23E-04	2.96E-07	8.94E-07	5.17E-07	5.05E-07	4.58E-07	2.09E-07	2.06E-07	0.00E+00	0.00E+00	9.52E-08	1.71E-08	1.09E-07	1.68E-08	1.60E-08	2.54E-07	2.70E-07	9.90E-08	1.35E-07	5.03E-08	2.70E-07	9.90E-08
3350	478863.1	3848377	7.58E-04	7.39E-04	7.29E-04	2.62E-07	7.92E-07	4.58E-07	4.47E-07	4.05E-07	1.85E-07	1.83E-07	0.00E+00	0.00E+00	8.43E-08	1.52E-08	9.63E-08	1.49E-08	1.41E-08	2.25E-07	2.39E-07	8.77E-08	1.19E-07	4.46E-08	2.39E-07	8.77E-08
3351	479363.1	3848377	6.30E-04	6.15E-04	6.06E-04	2.18E-07	6.58E-07	3.81E-07	3.72E-07	3.37E-07	1.54E-07	1.52E-07	0.00E+00	0.00E+00	7.01E-08	1.26E-08	8.01E-08	1.24E-08	1.18E-08	1.87E-07	1.99E-07	7.29E-08	9.92E-08	3.71E-08	1.99E-07	7.29E-08
3352	479863.1	3848377	3.93E-04	3.84E-04	3.79E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.11E-07	9.61E-08	9.48E-08	0.00E+00	0.00E+00	4.38E-08	7.88E-09	5.00E-08	7.71E-09	7.34E-09	1.17E-07	1.24E-07	4.55E-08	6.20E-08	2.32E-08	1.24E-07	4.55E-08
3353	480363.1	3848377	4.41E-04	4.30E-04	4.25E-04	1.53E-07	4.61E-07	2.67E-07	2.60E-07	2.36E-07	1.08E-07	1.06E-07	0.00E+00	0.00E+00	4.91E-08	8.84E-09	5.61E-08	8.65E-09	8.23E-09	1.31E-07	1.39E-07	5.11E-08	6.95E-08	2.60E-08	1.39E-07	5.11E-08
3354	480863.1	3848377	4.82E-04	4.70E-04	4.64E-04	1.67E-07	5.03E-07	2.91E-07	2.84E-07	2.58E-07	1.18E-07	1.16E-07	0.00E+00	0.00E+00	5.36E-08	9.65E-09	6.13E-08	9.45E-09	8.99E-09	1.43E-07	1.52E-07	5.58E-08	7.59E-08	2.84E-08	1.52E-07	5.58E-08
3355	481363.1	3848377	4.60E-04	4.49E-04	4.43E-04	1.59E-07	4.81E-07	2.78E-07	2.72E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	5.12E-08	9.22E-09	5.85E-08	9.02E-09	8.59E-09	1.37E-07	1.45E-07	5.33E-08	7.25E-08	2.71E-08	1.45E-07	5.33E-08
3356	481863.1	3848377	4.45E-04	4.34E-04	4.29E-04	1.54E-07	4.65E-07	2.69E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.96E-08	8.92E-09	5.66E-08	8.73E-09	8.31E-09	1.32E-07	1.41E-07	5.15E-08	7.01E-08	2.62E-08	1.41E-07	5.15E-08
3357	482363.1	3848377	4.26E-04	4.16E-04	4.11E-04	1.48E-07	4.46E-07	2.58E-07	2.52E-07	2.28E-07	1.04E-07	1.03E-07	0.00E+00	0.00E+00	4.75E-08	8.55E-09	5.42E-08	8.36E-09	7.96E-09	1.27E-07	1.35E-07	4.94E-08	6.72E-08	2.51E-08	1.35E-07	4.94E-08
3358	482863.1	3848377	3.92E-04	3.83E-04	3.77E-04	1.36E-07	4.10E-07	2.37E-07	2.31E-07	2.10E-07	9.57E-08	9.45E-08	0.00E+00	0.00E+00	4.36E-08	7.86E-09	4.99E-08	7.69E-09	7.32E-09	1.16E-07	1.24E-07	4.54E-08	6.18E-08	2.31E-08	1.24E-07	4.54E-08
3359	483363.1	3848377	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.11E-08	8.99E-08	0.00E+00	0.00E+00	4.15E-08	7.47E-09	4.74E-08	7.31E-09	6.96E-09	1.11E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
3360	483863.1	3848377	3.49E-04	3.41E-04	3.36E-04	1.21E-07	3.65E-07	2.11E-07	2.06E-07	1.87E-07	8.53E-08	8.42E-08	0.00E+00	0.00E+00	3.89E-08	7.00E-09	4.44E-08	6.85E-09	6.52E-09	1.04E-07	1.10E-07	4.04E-08	5.50E-08	2.06E-08	1.10E-07	4.04E-08
3361	484363.1	3848377	3.40E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.31E-08	8.20E-08	0.00E+00	0.00E+00	3.79E-08	6.82E-09	4.33E-08	6.67E-09	6.35E-09	1.01E-07	1.07E-07	3.94E-08	5.36E-08	2.00E-08	1.07E-07	3.94E-08
3362	484863.1	3848377	3.40E-04	3.32E-04	3.27E-04	1.18E-07	3.55E-07	2.06E-07	2.01E-07	1.82E-07	8.30E-08	8.19E-08	0.00E+00	0.00E+00	3.78E-08	6.81E-09	4.32E-08	6.66E-09	6.34E-09	1.01E-07	1.07E-07	3.93E-08	5.35E-08	2.00E-08	1.07E-07	3.93E-08
3363	485363.1	3848377	3.28E-04	3.20E-04	3.16E-04	1.14E-07	3.43E-07	1.99E-07	1.94E-07	1.76E-07	8.01E-08	7.91E-08	0.00E+00	0.00E+00	3.65E-08	6.58E-09	4.17E-08	6.44E-09	6.12E-09	9.74E-08	1.04E-07	3.80E-08	5.17E-08	1.93E-08	1.04E-07	3.80E-08
3364	485863.1	3848377	3.19E-04	3.11E-04	3.07E-04	1.10E-07	3.33E-07	1.93E-07	1.88E-07	1.71E-07	7.78E-08	7.68E-08	0.00E+00	0.00E+00	3.55E-08	6.39E-09	4.05E-08	6.25E-09	5.95E-09	9.46E-08	1.01E-07	3.69E-08	5.02E-08	1.88E-08	1.01E-07	3.69E-08
3365	486363.1	3848377	3.05E-04	2.97E-04	2.93E-04	1.05E-07	3.18E-07	1.84E-07	1.80E-07	1.63E-07	7.44E-08	7.34E-08	0.00E+00	0.00E+00	3.39E-08	6.10E-09	3.87E-08	5.97E-09	5.68E-09	9.04E-08	9.61E-08	3.53E-08	4.80E-08	1.79E-08	9.61E-08	3.53E-08
3366	486863.1	3848377	2.90E-04	2.83E-04	2.79E-04	1.00E-07	3.03E-07	1.75E-07	1.71E-07	1.55E-07	7.07E-08	6.98E-08	0.00E+00	0.00E+00	3.22E-08	5.80E-09	3.68E-08	5.68E-09	5.40E-09	8.59E-08	9.14E-08	3.35E-08	4.56E-08	1.70E-08	9.14E-08	3.35E-08
3367	487363.1	3848377	2.72E-04	2.66E-04	2.62E-04	9.42E-08	2.84E-07	1.65E-07	1.61E-07	1.46E-07	6.65E-08	6.56E-08	0.00E+00	0.00E+00	3.03E-08	5.45E-09	3.46E-08	5.34E-09	5.08E-09	8.08E-08	8.59E-08	3.15E-08	4.29E-08	1.60E-08	8.59E-08	3.15E-08
3368	487863.1	3848377	2.64E-04	2.57E-04	2.54E-04	9.13E-08	2.76E-07	1.60E-07	1.56E-07	1.41E-07	6.44E-08	6.36E-08	0.00E+00	0.00E+00	2.94E-08	5.29E-09	3.36E-08	5.17E-09	4.92E-09	7.83E-08	8.33E-08	3.05E-08	4.16E-08	1.55E-08	8.33E-08	3.05E-08
3369	488363.1	3848377	2.56E-04	2.49E-04	2.46E-04	8.85E-08	2.67E-07	1.55E-07	1.51E-07	1.37E-07	6.24E-08	6.16E-08	0.00E+00	0.00E+00	2.84E-08	5.12E-09	3.25E-08	5.01E-09	4.77E-09	7.59E-08	8.07E-08	2.96E-08	4.03E-08	1.50E-08	8.07E-08	2.96E-08
3370	488863.1	3848377	2.48E-04	2.42E-04	2.39E-04	8.59E-08	2.59E-07	1.50E-07	1.46E-07	1.33E-07	6.06E-08	5.98E-08	0.00E+00	0.00E+00	2.76E-08	4.97E-09	3.16E-08	4.87E-09	4.63E-09	7.36E-08	7.83E-08	2.87E-08	3.91E-08	1.46E-08	7.83E-08	2.87E-08
3371	489363.1	3848377	2.43E-04	2.37E-04	2.34E-04	8.42E-08	2.54E-07	1.47E-07	1.44E-07	1.30E-07	5.94E-08	5.86E-08	0.00E+00	0.00E+00	2.71E-08	4.87E-09	3.09E-08	4.77E-09	4.54E-09	7.22E-08	7.67E-08	2.81E-08	3.83E-08	1.43E-08	7.67E-08	2.81E-08
3372	489863.1	3848377	2.41E-04	2.36E-04	2.32E-04	8.36E-08	2.52E-07	1.46E-07	1.43E-07	1.29E-07	5.90E-08	5.82E-08	0.00E+00	0.00E+00	2.69E-08	4.84E-09	3.07E-08	4.74E-09	4.51E-09	7.17E-08	7.62E-08	2.80E-08	3.80E-08	1.42E-08	7.62E-08	2.80E-08
3373	490363.1	3848377	2.34E-04	2.28E-04	2.25E-04	8.10E-08	2.45E-07	1.42E-07	1.38E-07	1.25E-07	5.71E-08	5.64E-08	0.00E+00	0.00E+00	2.60E-08	4.69E-09	2.98E-08	4.59E-09	4.37E-09	6.94E-08	7.39E-08	2.71E-08	3.69E-08	1.38E-08	7.39E-08	2.71E-08
3374	490863.1	3848377	2.23E-04	2.18E-04	2.15E-04	7.73E-08	2.33E-07	1.35E-07	1.32E-07	1.19E-07	5.45E-08	5.38E-08	0.00E+00	0.00E+00	2.48E-08	4.47E-09	2.84E-08	4.38E-09	4.16E-09	6.62E-08	7.04E-08	2.58E-08	3.52E-08	1.31E-08	7.04E-08	2.58E-08
3375	491363.1	3848377	2.14E-04	2.08E-04	2.06E-04	7.40E-08	2.23E-07	1.29E-07	1.26E-07	1.14E-07	5.22E-08	5.15E-08	0.00E+00	0.00E+00	2.38E-08	4.28E-09	2.72E-08	4.19E-09	3.99E-09	6.34E-08	6.74E-08	2.47E-08	3.37E-08	1.26E-08	6.74E-08	2.47E-08
3376	491863.1	3848377	2.07E-04	2.02E-04	1.99E-04	7.17E-08	2.16E-07	1.25E-07	1.22E-07	1.11E-07	5.06E-08	4.99E-08	0.00E+00	0.00E+00	2.30E-08	4.15E-09	2.63E-08	4.06E-09	3.86E-09	6.14E-08	6.53E-08	2.40E-08	3.26E-08	1.22E-08	6.53E-08	2.40E-08
3377	492363.1	3848377	1.96E-04	1.91E-04	1.89E-04	6.79E-08	2.05E-07	1.19E-07	1.16E-07	1.05E-07	4.79E-08	4.73E-08	0.00E+00	0.00E+00	2.18E-08	3.93E-09	2.50E-08	3.85E-09	3.66E-09	5.82E-08	6.19E-08	2.27E-08	3.09E-08	1.16E-08	6.19E-08	2.27E-08
3378	492863.1	3848377	1.85E-04	1.81E-04	1.79E-04	6.42E-08	1.94E-07	1.12E-07	1.09E-07	9.93E-08	4.53E-08	4.47E-08	0.00E+00	0.00E+00	2.06E-08	3.72E-09	2.36E-08	3.64E-09	3.46E-09	5.50E-08	5.85E-08	2.15E-08	2.92E-08	1.09E-08	5.85E-08	2.15E-08
3379	493363.1	3848377	1.80E-04	1.75E-04	1.73E-04	6.22E-08	1.88E-07	1.09E-07	1.06E-07	9.61E-08	4.39E-08	4.33E-08	0.00E+00	0.00E+00	2.00E-08	3.60E-09	2.28E-08	3.52E-09	3.35E-09	5.33E-08	5.67E-08	2.08E-08	2.83E-08	1.06E-08	5.67E-08	2.08E-08
3380	493863.1	3848377	1.73E-04	1.69E-04	1.67E-04	5.99E-08	1.81E-07	1.05E-07	1.02E-07	9.26E-08	4.23E-08	4.17E-08	0.00E+00	0.00E+00	1.93E-08	3.47E-09	2.20E-08	3.39E-09	3.23E-09	5.13E-08	5.46E-08	2.00E-08	2.73E-08	1.02E-08	5.46E-08	2.00E-08
3381	494363.1	3848377	1.68E-04	1.64E-04	1.62E-04	5.82E-08	1.76E-07	1.02E-07	9.92E-08	8.99E-08	4.10E-08	4.05E-08	0.00E+00	0.00E+00	1.87E-08	3.37E-09	2.14E-08	3.30E-09	3.14E-09	4.99E-08	5.30E-08	1.95E-08	2.65E-08	9.89E-09	5.30E-08	1.95E-08

3382	494863.1	3848377	1.67E-04	1.63E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	9.85E-08	8.93E-08	4.07E-08	4.02E-08	0.00E+00	0.00E+00	1.86E-08	3.34E-09	2.12E-08	3.27E-09	3.11E-09	4.95E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
3383	495363.1	3848377	1.59E-04	1.55E-04	1.53E-04	5.50E-08	1.66E-07	9.61E-08	9.38E-08	8.50E-08	3.88E-08	3.83E-08	0.00E+00	0.00E+00	1.77E-08	3.18E-09	2.02E-08	3.12E-09	2.96E-09	4.72E-08	5.02E-08	1.84E-08	2.50E-08	9.35E-09	5.02E-08	1.84E-08
3384	495863.1	3848377	1.56E-04	1.52E-04	1.50E-04	5.40E-08	1.63E-07	9.44E-08	9.21E-08	8.35E-08	3.81E-08	3.76E-08	0.00E+00	0.00E+00	1.74E-08	3.13E-09	1.98E-08	3.06E-09	2.91E-09	4.63E-08	4.92E-08	1.81E-08	2.46E-08	9.18E-09	4.92E-08	1.81E-08
3385	496363.1	3848377	1.59E-04	1.55E-04	1.53E-04	5.50E-08	1.66E-07	9.61E-08	9.38E-08	8.50E-08	3.88E-08	3.83E-08	0.00E+00	0.00E+00	1.77E-08	3.18E-09	2.02E-08	3.12E-09	2.96E-09	4.72E-08	5.02E-08	1.84E-08	2.50E-08	9.35E-09	5.02E-08	1.84E-08
3386	496863.1	3848377	1.55E-04	1.51E-04	1.49E-04	5.37E-08	1.62E-07	9.39E-08	9.16E-08	8.30E-08	3.79E-08	3.74E-08	0.00E+00	0.00E+00	1.73E-08	3.11E-09	1.97E-08	3.04E-09	2.90E-09	4.61E-08	4.90E-08	1.80E-08	2.44E-08	9.13E-09	4.90E-08	1.80E-08
3387	497363.1	3848377	1.61E-04	1.57E-04	1.55E-04	5.57E-08	1.68E-07	9.74E-08	9.50E-08	8.62E-08	3.93E-08	3.88E-08	0.00E+00	0.00E+00	1.79E-08	3.23E-09	2.05E-08	3.16E-09	3.00E-09	4.78E-08	5.08E-08	1.86E-08	2.54E-08	9.48E-09	5.08E-08	1.86E-08
3388	497863.1	3848377	1.79E-04	1.75E-04	1.73E-04	6.20E-08	1.87E-07	1.08E-07	1.06E-07	9.59E-08	4.38E-08	4.32E-08	0.00E+00	0.00E+00	2.00E-08	3.59E-09	2.28E-08	3.51E-09	3.34E-09	5.32E-08	5.66E-08	2.07E-08	2.82E-08	1.06E-08	5.66E-08	2.07E-08
3389	498363.1	3848377	1.78E-04	1.74E-04	1.72E-04	6.18E-08	1.86E-07	1.08E-07	1.05E-07	9.55E-08	4.36E-08	4.30E-08	0.00E+00	0.00E+00	1.99E-08	3.58E-09	2.27E-08	3.50E-09	3.33E-09	5.29E-08	5.63E-08	2.07E-08	2.81E-08	1.05E-08	5.63E-08	2.07E-08
3390	471363.1	3848877	2.96E-04	2.89E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.75E-07	1.58E-07	7.22E-08	7.13E-08	0.00E+00	0.00E+00	3.29E-08	5.93E-09	3.76E-08	5.80E-09	5.52E-09	8.78E-08	9.34E-08	3.42E-08	4.66E-08	1.74E-08	9.34E-08	3.42E-08
3391	471863.1	3848877	3.29E-04	3.21E-04	3.17E-04	1.14E-07	3.44E-07	1.99E-07	1.94E-07	1.76E-07	8.03E-08	7.93E-08	0.00E+00	0.00E+00	3.66E-08	6.59E-09	4.18E-08	6.45E-09	6.14E-09	9.76E-08	1.04E-07	3.81E-08	5.18E-08	1.94E-08	1.04E-07	3.81E-08
3392	472363.1	3848877	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.11E-08	8.99E-08	0.00E+00	0.00E+00	4.15E-08	7.47E-09	4.74E-08	7.31E-09	6.96E-09	1.11E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
3393	472863.1	3848877	4.39E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.88E-08	8.79E-09	5.58E-08	8.60E-09	8.18E-09	1.30E-07	1.38E-07	5.08E-08	6.91E-08	2.58E-08	1.38E-07	5.08E-08
3394	473363.1	3848877	5.36E-04	5.23E-04	5.17E-04	1.86E-07	5.61E-07	3.25E-07	3.17E-07	2.87E-07	1.31E-07	1.29E-07	0.00E+00	0.00E+00	5.97E-08	1.08E-08	6.82E-08	1.05E-08	1.00E-08	1.59E-07	1.69E-07	6.21E-08	8.45E-08	3.16E-08	1.69E-07	6.21E-08
3395	473863.1	3848877	7.12E-04	6.94E-04	6.85E-04	2.46E-07	7.44E-07	4.31E-07	4.20E-07	3.81E-07	1.74E-07	1.71E-07	0.00E+00	0.00E+00	7.92E-08	1.43E-08	9.05E-08	1.40E-08	1.33E-08	2.11E-07	2.25E-07	8.24E-08	1.12E-07	4.19E-08	2.25E-07	8.24E-08
3396	474363.1	3848877	1.10E-03	1.08E-03	1.06E-03	3.82E-07	1.15E-06	6.68E-07	6.52E-07	5.91E-07	2.70E-07	2.66E-07	0.00E+00	0.00E+00	1.23E-07	2.21E-08	1.40E-07	2.17E-08	2.06E-08	3.28E-07	3.49E-07	1.28E-07	1.74E-07	6.50E-08	3.49E-07	1.28E-07
3397	474863.1	3848877	3.56E-03	3.48E-03	3.43E-03	1.23E-06	3.72E-06	2.16E-06	2.10E-06	1.91E-06	8.70E-07	8.58E-07	0.00E+00	0.00E+00	3.96E-07	7.14E-08	4.53E-07	6.98E-08	6.65E-08	1.06E-06	1.12E-06	4.12E-07	5.61E-07	2.10E-07	1.12E-06	4.12E-07
3398	475363.1	3848877	7.67E-03	7.49E-03	7.39E-03	2.66E-06	8.02E-06	4.64E-06	4.53E-06	4.11E-06	1.87E-06	1.85E-06	0.00E+00	0.00E+00	8.54E-07	1.54E-07	9.75E-07	1.50E-07	1.43E-07	2.28E-06	2.42E-06	8.88E-07	1.21E-06	4.52E-07	2.42E-06	8.88E-07
3399	475863.1	3848877	3.75E-03	3.65E-03	3.61E-03	1.30E-06	3.91E-06	2.27E-06	2.21E-06	2.00E-06	9.15E-07	9.03E-07	0.00E+00	0.00E+00	4.17E-07	7.51E-08	4.76E-07	7.35E-08	6.99E-08	1.11E-06	1.18E-06	4.34E-07	5.90E-07	2.20E-07	1.18E-06	4.34E-07
3400	476363.1	3848877	2.62E-03	2.56E-03	2.53E-03	9.08E-07	2.74E-06	1.59E-06	1.55E-06	1.40E-06	6.41E-07	6.32E-07	0.00E+00	0.00E+00	2.92E-07	5.26E-08	3.34E-07	5.15E-08	4.90E-08	7.79E-07	8.28E-07	3.04E-07	4.13E-07	1.54E-07	8.28E-07	3.04E-07
3401	476863.1	3848877	1.99E-03	1.95E-03	1.92E-03	6.90E-07	2.08E-06	1.21E-06	1.18E-06	1.07E-06	4.87E-07	4.80E-07	0.00E+00	0.00E+00	2.22E-07	4.00E-08	2.54E-07	3.91E-08	3.72E-08	5.92E-07	6.29E-07	2.31E-07	3.14E-07	1.17E-07	6.29E-07	2.31E-07
3402	477363.1	3848877	1.81E-03	1.76E-03	1.74E-03	6.25E-07	1.89E-06	1.09E-06	1.07E-06	9.66E-07	4.41E-07	4.35E-07	0.00E+00	0.00E+00	2.01E-07	3.62E-08	2.30E-07	3.54E-08	3.37E-08	5.36E-07	5.70E-07	2.09E-07	2.84E-07	1.06E-07	5.70E-07	2.09E-07
3403	477863.1	3848877	1.47E-03	1.44E-03	1.42E-03	5.09E-07	1.54E-06	8.90E-07	8.69E-07	7.88E-07	3.59E-07	3.55E-07	0.00E+00	0.00E+00	1.64E-07	2.95E-08	1.87E-07	2.89E-08	2.75E-08	4.37E-07	4.64E-07	1.70E-07	2.32E-07	8.66E-08	4.64E-07	1.70E-07
3404	478363.1	3848877	1.24E-03	1.21E-03	1.20E-03	4.30E-07	1.30E-06	7.52E-07	7.33E-07	6.65E-07	3.03E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.49E-08	1.58E-07	2.44E-08	2.32E-08	3.69E-07	3.92E-07	1.44E-07	1.96E-07	7.31E-08	3.92E-07	1.44E-07
3405	478863.1	3848877	1.04E-03	1.02E-03	1.00E-03	3.61E-07	1.09E-06	6.30E-07	6.15E-07	5.58E-07	2.54E-07	2.51E-07	0.00E+00	0.00E+00	1.16E-07	2.09E-08	1.32E-07	2.04E-08	1.94E-08	3.09E-07	3.29E-07	1.21E-07	1.64E-07	6.13E-08	3.29E-07	1.21E-07
3406	479363.1	3848877	8.58E-04	8.37E-04	8.26E-04	2.97E-07	8.96E-07	5.19E-07	5.06E-07	4.59E-07	2.09E-07	2.07E-07	0.00E+00	0.00E+00	9.55E-08	1.72E-08	1.09E-07	1.68E-08	1.60E-08	2.55E-07	2.71E-07	9.93E-08	1.35E-07	5.05E-08	2.71E-07	9.93E-08
3407	479863.1	3848877	7.12E-04	6.95E-04	6.86E-04	2.47E-07	7.45E-07	4.31E-07	4.21E-07	3.81E-07	1.74E-07	1.72E-07	0.00E+00	0.00E+00	7.93E-08	1.43E-08	9.06E-08	1.40E-08	1.33E-08	2.11E-07	2.25E-07	8.25E-08	1.12E-07	4.19E-08	2.25E-07	8.25E-08
3408	480363.1	3848877	6.65E-04	6.49E-04	6.40E-04	2.30E-07	6.95E-07	4.02E-07	3.93E-07	3.56E-07	1.62E-07	1.60E-07	0.00E+00	0.00E+00	7.40E-08	1.33E-08	8.46E-08	1.30E-08	1.24E-08	1.97E-07	2.10E-07	7.70E-08	1.05E-07	3.92E-08	2.10E-07	7.70E-08
3409	480863.1	3848877	6.26E-04	6.11E-04	6.02E-04	2.17E-07	6.54E-07	3.79E-07	3.69E-07	3.35E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.96E-08	1.25E-08	7.96E-08	1.23E-08	1.17E-08	1.86E-07	1.97E-07	7.24E-08	9.86E-08	3.68E-08	1.97E-07	7.24E-08
3410	481363.1	3848877	5.73E-04	5.59E-04	5.52E-04	1.98E-07	5.99E-07	3.47E-07	3.39E-07	3.07E-07	1.40E-07	1.38E-07	0.00E+00	0.00E+00	6.38E-08	1.15E-08	7.29E-08	1.12E-08	1.07E-08	1.70E-07	1.81E-07	6.64E-08	9.03E-08	3.38E-08	1.81E-07	6.64E-08
3411	481863.1	3848877	5.13E-04	5.01E-04	4.94E-04	1.78E-07	5.36E-07	3.11E-07	3.03E-07	2.75E-07	1.25E-07	1.24E-07	0.00E+00	0.00E+00	5.71E-08	1.03E-08	6.53E-08	1.01E-08	9.58E-09	1.52E-07	1.62E-07	5.94E-08	8.08E-08	3.02E-08	1.62E-07	5.94E-08
3412	482363.1	3848877	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	0.00E+00	0.00E+00	5.07E-08	9.12E-09	5.79E-08	8.93E-09	8.49E-09	1.35E-07	1.44E-07	5.27E-08	7.17E-08	2.68E-08	1.44E-07	5.27E-08
3413	482863.1	3848877	4.10E-04	4.00E-04	3.95E-04	1.42E-07	4.28E-07	2.48E-07	2.42E-07	2.19E-07	1.00E-07	9.88E-08	0.00E+00	0.00E+00	4.56E-08	8.21E-09	5.21E-08	8.04E-09	7.65E-09	1.22E-07	1.29E-07	4.74E-08	6.46E-08	2.41E-08	1.29E-07	4.74E-08
3414	483363.1	3848877	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.27E-07	2.22E-07	2.01E-07	9.18E-08	9.06E-08	0.00E+00	0.00E+00	4.18E-08	7.53E-09	4.78E-08	7.37E-09	7.01E-09	1.12E-07	1.19E-07	4.35E-08	5.92E-08	2.21E-08	1.19E-07	4.35E-08
3415	483863.1	3848877	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	0.00E+00	0.00E+00	4.00E-08	7.21E-09	4.57E-08	7.05E-09	6.71E-09	1.07E-07	1.14E-07	4.16E-08	5.67E-08	2.12E-08	1.14E-07	4.16E-08
3416	484363.1	3848877	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.89E-07	2.25E-07	2.20E-07	1.99E-07	9.10E-08	8.98E-08	0.00E+00	0.00E+00	4.15E-08	7.47E-09	4.74E-08	7.31E-09	6.95E-09	1.11E-07	1.18E-07	4.31E-08	5.87E-08	2.19E-08	1.18E-07	4.31E-08
3417	484863.1	3848877	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.29E-08	9.17E-08	0.00E+00	0.00E+00	4.23E-08	7.62E-09	4.84E-08	7.46E-09	7.10E-09	1.13E-07	1.20E-07	4.40E-08	5.99E-08	2.24E-08	1.20E-07	4.40E-08
3418	485363.1	3848877	3.65E-04	3.56E-04	3.52E-04	1.26E-07	3.82E-07	2.21E-07	2.16E-07	1.95E-07	8.92E-08	8.80E-08	0.00E+00	0.00E+00	4.06E-08	7.32E-09	4.64E-08	7.16E-09	6.81E-09	1.08E-07	1.15E-07	4.23E-08	5.75E-08	2.15E-08	1.15E-07	4.23E-08
3419	485863.1	3848877	3.51E-04	3.42E-04	3.38E-04	1.21E-07	3.67E-07	2.12E-07	2.07E-07	1.88E-07	8.57E-08	8.46E-08	0.00E+00	0.00E+00	3.91E-08	7.03E-09	4.46E-08	6.88E-09	6.55E-09	1.04E-07	1.11E-07	4.06E-08	5.53E-08	2.07E-08	1.11E-07	4.06E-08
3420	486363.1	3848877	3.31E-04	3.23E-04	3.18E-04	1.14E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.08E-08	7.97E-08	0.00E+00	0.00E+00	3.68E-08	6.63E-09	4.20E-08	6.48E-09	6.17E-09	9.81E-08	1.04E-07	3.83E-08	5.21E-08	1.95E-08	1.04E-07	3.83E-08
3421	486863.1	3848877	3.10E-04	3.02E-04	2.98E-04	1.07E-07	3.24E-07	1.88E-07	1.83E-07	1.66E-07	7.57E-08	7.47E-08	0.00E+00	0.00E+00	3.45E-08	6.21E-09	3.94E-08	6.08E-09	5.78E-09	9.20E-08	9.78E-08	3.59E-08	4.88E-08	1.82E-08	9.78E-08	3.59E-08
3422	487363.1	3848877	3.02E-04	2.94E-04	2.90E-04	1.04E-07	3.15E-07	1.82E-07	1.78E-07	1.61E-07	7.37E-08	7.27E-08	0.00E+00	0.00E+00	3.36E-08	6.04E-09	3.84E-08	5.91E-09	5.63E-09	8.95E-08	9.52E-08	3.49E-08	4.75E-08	1.78E-08	9.52E-08	3.49E-08
3423	487863.1	3848877	2.89E-04	2.82E-04	2.78E-04	1.00E-07	3.02E-07	1.75E-07	1.70E-07	1.55E-07	7.05E-08	6.96E-08	0.00E+00	0.00E+00	3.21E-08	5.79E-09	3.67E-08	5.66E-09	5.39E-09	8.57E-08	9.11E-08	3.34E-08	4.55E-08	1.70E-08	9.11E-08	3.34E-08
3424	488363.1	3848877	2.79E-04	2.72E-04	2.69E-04	9.67E-08	2.92E-07	1.69E-07	1.65E-07	1.49E-07	6.82E-08	6.73E-08	0.00E+00	0.00E+00	3.11E-08	5.60E-09	3.55E-08	5.48E-09	5.21E-09	8.29E-08	8.81E-08	3.23E-08	4.40E-08	1.64E-08	8.81E-08	3.23E-08
3425	488863.1	3848877	2.69E-04	2.63E-04	2.59E-04	9.32E-08	2.81E-07	1.63E-07	1.59E-07	1.44E-07	6.58E-08	6.49E-08	0.00E+00	0.00E+00	3.00E-08	5.40E-09	3.42E-08	5.28E-09	5.02E-09	7.99E-08	8.50E-08	3.12E-08	4.24E-08	1.59E-08	8.50E-08	3.12E-08
3426	489363.1	3848877	2.63E-04	2.57E-04	2.54E-04	9.12E-08	2.75E-07	1.59E-07	1.56E-07	1.41E-07	6.43E-08	6.35E-08	0.00E+00	0.00E+00	2.93E-08	5.28E-09	3.35E-08	5.17E-09	4.92E-09	7.82E-08	8.31E-08	3.05E-08	4.15E-08	1.55E-08	8.31E-08	3.05E-08
3427	489863.1	3848877	2.58E-04	2.52E-04	2.49E-04	8.95E-08	2.70E-07	1.56E-07	1.53E-07	1.38E-07	6.31E-08	6.23E-08	0.00E+00	0.00E+00	2.88E-08	5.18E-09	3.29E-08	5.07E-09	4.82E-09	7.67E-08	8.16E-08	2.99E-08	4.07E-08	1.52E-08	8.16E-08	2.99E-08
3428	490363.1	3848877	2.46E-04	2.40E-04	2.37E-04	8.52E-08	2.57E-07	1.49E-07	1.45E-07	1.32E-07	6.01E-08	5.93E-08	0.00E+00	0.00E+00	2.74E-08	4.93E-09	3.13E-08	4.82E-09	4.59E-09	7.30E-08	7.76E-08	2.85E-08	3.88E-08	1.45E-08	7.76E-08	2.85E-08
3429	490863.1	3848877	2.34E-04	2.28E-04	2.25E-04	8.10E-08	2.45E-07	1.42E-07	1.38E-07	1.25E-07	5.71E-08	5.64E-08	0.00E+00	0.00E+00	2.60E-08	4.69E-09	2.98E-08	4.59E-09	4.37E-09	6.94E-08	7.39E-08	2.71E-08	3.69E-08	1.38E-08	7.39E-08	2.71E-08
3430	491363.1	3848877	2.25E-04	2.19E-04	2.17E-04	7.78E-08	2.35E-07	1.36E-07	1.33E-07	1.20E-07	5.49E-08	5.42E-08	0.00E+00	0.00E+00	2.50E-08	4.51E-09	2.86E-08	4.41E-09	4.20E-09	6.67E-08	7.10E-08	2.60E-08	3.54E-08	1.32E-08	7.10E-08	2.60E-08
3431	491863.1	3848877	2.12E-04	2.06E-04	2.04E-04	7.32E-08	2.21E-07	1.28E-07	1.25E-07	1.13E-07	5.17E-08	5.10E-08	0.00E+00	0.00E+00	2.36E-08	4.24E-09	2.69E-08	4.15E-09	3.95E-09	6.28E-08	6.68E-08	2.45E-08	3.33E-08	1.25E-08	6.68E-08	2.45E-08
3432	492363.1	3848877	1.99E-04	1.94E-04	1.92E-04	6.89E-08	2.08E-07	1.20E-07	1.18E-07	1.07E-07	4.86E-08	4.80E-08	0.00E+00	0.00E+00	2.22E-08	3.99E-09	2.53E-08	3.91E-09	3.72E-09	5.91E-08	6.29E-08	2.31E-08	3.14E-08	1.17E-08	6.29E-08	2.31E-08
3433	492863.1	3848877	1.85E-04	1.81E-04	1.79E-04	6.42E-08	1.94E-07	1.12E-07	1.09E-07	9.93E-08	4.53E-08	4.47E-08	0.00E+00	0.00E+00	2.06E-08	3.72E-09	2.36E-08	3.64E-09	3.46E-09	5.50E-08	5.85E-08	2.15E-08	2.92E-08	1.09E-08	5.85E-08	2.15E-08
3434	493363.1	3848877	1.73E-04	1.69E-04	1.67E-04	5.99E-08	1.81E-07	1.05E-07	1.02E-07	9.26E-08	4.23E-08	4.17E-08	0.00E+00	0.00E+00	1.93E-08	3.47E-09	2.20E-08	3.39E-09	3.23E-09	5.13E-08	5.46E-08	2.00E-08	2.73E-08	1.02E-08	5.46E-08	2.00E-08
3435	493863.1	3848877	1.71E-04	1.67E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.01E-07	9.17E-08	4.18E-08	4.13E-08	0.00E+00	0.00E+00	1.91E-08	3.43E-09	2.18E-08	3.36E-09	3.20E-09	5.09E-08	5.41E-08	1.98E-08	2.70E-08	1.01E-08	5.41E-08	1.98E-08
3436	494363.1	3848877	1.67E-04	1.63E-04	1.61E-04	5.79E-08	1.75E-07	1.01E-07	9.87E-08	8.95E-08	4.08E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.35E-09	2.13E-08	3.28E-09	3.12E-09	4.96E-08	5.28E-08	1.94E-08	2.63E-08	9.84E-09	5.28E-08	1.94E-08
3437	494863.1	3848877	1.68E-04	1.64E-04	1.61E-04	5.80E-08	1.75E-07	1.01E-07	9.90E-08	8.97E-08	4.09E-08	4.04E-08	0.00E+00	0.00E+00	1.87E-08	3.36E-09	2.13E-08	3.29E-09	3.13E-09	4.97E-08	5.29E-08	1.94E-08	2.64E-08	9.87E-09	5.29E-08	1.94E-08
3438	495363.1	3848877	1.66E-04	1.62E-04	1.60E-04	5.74E-08	1.73E-07	1.00E-07	9.80E-08	8.88E-08	4.05E-08	4.00E-08	0.00E+00	0.00E+00	1.85E-08	3.33E-09	2.11E-08	3.25E-09	3.10E-09	4.93E-08	5.24E-08	1.92E-08	2.61E-08	9.77E-09	5.24E-08	1.92E-08
3439	495863.1	3848877	1.57E-04	1.53E-04	1.51E-04	5.44E-08	1.64E-07	9.51E-08	9.28E-08	8.42E-08	3.84E-08	3.79E-08	0.00E+00	0.00E+00	1.75E-08	3.15E-09	2.00E-08	3.08E-09	2.93E-09	4.67E-08	4.96E-08	1.82E-08	2.48E-08	9.26E-09	4.96E-08	1.82E-08
3440	496363.1	3848877	1.56E-04	1.52E-04	1.50E-04	5.40E-08	1.63E-07	9.44E-08	9.21E-08	8.35E-08	3.81E-08	3.76E-08	0.00E+00	0.00E+00	1.74E-08	3.13E-09	1.98E-08	3.06E-09	2.91E-09	4.63E-08	4.92E-08	1.81E-08	2.46E-08	9.18E-09	4.92E-08	1.81E-08
3441	496863.1	3848877	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	0.00E+00	0.00E+00	1.80E-08	3.24E-09	2.06E-08	3.17E-09	3.02E-09	4.80E-08	5.11E-08	1.87E-08	2.55E-08	9.53E-09	5.11E-08	1.87E-08
3442	497363.1	3848877	1.77E-04	1.72E-04	1.70E-04	6.12E-08	1.85E-07	1.07E-07	1.04E-07	9.46E-08	4.32E-08	4.26E-08	0.00E+00	0.00E+00	1.97E-08	3.54E-09	2.25E-08	3.47E-09	3.30E-09	5.25E-08	5.58E-08	2.05E-08	2.78E-08	1.04E-08	5.58E-08	2.05E-08
3443	497863.1	3848877	1.81E-04	1.77E-04	1.75E-04	6.28E-08	1.89E-07	1.10E-07	1.07E-07	9.70E-08	4.43E-08	4.37E-08	0.00E+00	0.00E+00	2.02E-08	3.63E-09	2.31E-08	3.56E-09	3.38E-09	5.38E-08	5.72E-08	2.10E-08	2.86E-08	1.07E-08	5.72E-08	2.10E-08
3444	498363.1	3848877	1.84E-04	1.79E-04	1.77E-04	6.36E-08	1.92E-07	1.11E-07	1.09E-07	9.84E-08	4.49E-08	4.43E-08	0.00E+00	0.00E+00	2.05E-08	3.68E-09	2.34E-08	3.60E-09	3.43E-09	5.45E-08	5.80E-08	2.13E-08	2.90E-08	1.08E-08	5.80E-08	2.13E-08
3445	471363.1	3849377	2.59E-04	2.53E-04	2.50E-04	8.98E-08	2.71E-07	1.57E-07	1.53E-07	1.39E-07	6.33E-08	6.25E-08	0.00E+00	0.00E+00	2.89E-08	5.20E-09	3.30E-08	5.09E-09	4.84E-09	7.70E-08	8.18E-08	3.00E-08	4.08E-08	1.53E-08	8.18E-08	3.00E-08
3446	471863.1	3849377	2.87E-04	2.80E-04	2.76E-04	9.94E-08	3.00E-07	1.74E-07	1.70E-07	1.54E-07	7.01E-08	6.92E-08	0.00E+00	0.00E+00	3.20E-08	5.75E-09	3.65E-08	5.63E-09	5.36E-09	8.52E-08	9.06E-08	3.32E-08	4.52E-08	1.69E-08	9.06E-08	3.32E-08
3447	472363.1	3849377	3.19E-04	3.11E-04	3.07E-04	1.10E-07	3.33E-07	1.93E-07	1.88E-07	1.71E-07	7.78E-08	7.68E-08	0.00E+00	0.00E+00	3.55E-08	6.39E-09	4.05E-08	6.25E-09	5.95E-09	9.46E-08	1.01E-07	3.69E-08	5.02E-08	1.88E-08	1.01E-07	3.69E-08
3448	472863.1	3849377	3.59E-04	3.50E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.12E-07	1.92E-07	8.76E-08	8.65E-08	0.00E+00	0.00E+00	3.99E-08	7.19E-09	4.56E-08	7.04E-09	6.70E-09	1.07E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
3449	473363.1	3849377	4.19E-04	4.09E-04	4.04E-04	1.45E-07	4.38E-07	2.54E-07	2.48E-07	2.24E-07	1.02E-07	1.01E-07	0.00E+00	0.00E+00	4.67E-08	8.41E-09	5.33E-08	8.23E-09	7.83E-09	1.24E-07	1.32E-07	4.86E-08	6.61E-08	2.47E-08	1.32E-07	4.86E-08
3450	473863.1	3849377	5.09E-04	4.96E-04	4.90E-04	1.76E-07	5.32E-07	3.08E-07	3.00E-07	2.72E-07	1.24E-07	1.23E-07	0.00E+00	0.00E+00	5.66E-08	1.02E-08	6.47E-08	9.97E-09	9.49E-09	1.51E-07	1.61E-07	5.89E-08	8.01E-08	2.99E-08	1.61E-07	5.89E-08
3451	474363.1	3849377	6.46E-04	6.30E-04	6.22E-04	2.24E-07	6.75E-07	3.91E-07	3.81E-07	3.46E-07	1.58E-07	1.56E-07	0.00E+00	0.00E+00	7.19E-08	1.29E-08	8.21E-08	1.27E-08	1.21E-08	1.92E-07	2.04E-07	7.48E-08	1.02E-07	3.80E-08	2.04E-07	7.48E-08
3452	474863.1	3849377	8.94E-04	8.72E-04	8.60E-04	3.09E-07	9.34E-07	5.41E-07	5.28E-07	4.78E-07	2.18E-07	2.15E-07	0.00E+00	0.00E+00	9.95E-08	1.79E-08	1.14E-07	1.75E-08	1.67E-08	2.65E-07	2.82E-07	1.03E-07	1.41E-07	5.26E-08	2.82E-07	1.03E-07
3453	475363.1	3849377	1.46E-03	1.42E-03	1.40E-03	5.04E-07	1.52E-06	8.82E-07	8.60E-07	7.80E-07	3.56E-07	3.51E-07	0.00E+00	0.00E+00	1.62E-07	2.92E-08	1.85E-07	2.86E-08	2.72E-08	4.32E-07	4.60E-07	1.69E-07	2.30E-07	8.58E-08	4.60E-07	1.69E-07
3454	475863.1	3849377	2.52E-03	2.46E-03	2.42E-03	8.71E-07	2.63E-06	1.52E-06	1.49E-06	1.35E-06	6.15E-07	6.06E-07	0.00E+00	0.00E+00	2.80E-07	5.04E-08	3.20E-07	4.94E-08	4.70E-08	7.47E-07	7.94E-07	2.91E-07	3.96E-07	1.48E-07	7.94E-07	2.91E-07
3455	476363.1	3849377	5.50E-03	5.36E-03	5.29E-03	1.90E-06	5.74E-06	3.32E-06	3.24E-06	2.94E-06	1.34E-06	1.32E-06	0.00E+00	0.00E+00	6.12E-07	1.10E-07	6.99E-07	1.08E-07	1.03E-07	1.63E-06	1.73E-06	6.36E-07	8.66E-07	3.23E-07	1.73E-06	6.36E-07
3456	476863.1	3849377	1.53E-02	1.49E-02	1.47E-02	5.28E-06	1.59E-05	9.23E-06	9.01E-06	8.16E-06	3.73E-06	3.68E-06	0.00E+00	0.00E+00	1.70E-06	3.06E-07	1.94E-06	2.99E-07	2.85E-07	4.53E-06	4.81E-06	1.77E-06	2.40E-06	8.98E-07	4.81E-06	1.77E-06
3457	477363.1	3849377	4.38E-03	4.27E-03	4.21E-03	1.52E-06	4.57E-06	2.65E-06	2.58E-06	2.34E-06	1.07E-06	1.05E-06	0.00E+00	0.00E+00	4.87E-07	8.77E-08	5.57E-07	8.58E-08	8.17E-08	1.30E-06	1.38E-06	5.07E-07	6.90E-07	2.58E-07	1.38E-06	5.07E-07
3458	477863.1	3849377	2.63E-03	2.56E-03	2.53E-03	9.10E-07	2.75E-06	1.59E-06	1.55E-06	1.41E-06	6.42E-07	6.33E-07	0.00E+00	0.00E+00	2.93E-07	5.27E-08	3.34E-07	5.15E-08	4.90E-08	7.80E-07	8.29E-07	3.04E-07	4.14E-07	1.55E-07	8.29E-07	3.04E-07

3459	478363.1	3849377	1.93E-03	1.89E-03	1.86E-03	6.69E-07	2.02E-06	1.17E-06	1.14E-06	1.03E-06	4.72E-07	4.66E-07	0.00E+00	0.00E+00	2.15E-07	3.87E-08	2.46E-07	3.79E-08	3.61E-08	5.74E-07	6.10E-07	2.24E-07	3.05E-07	1.14E-07	6.10E-07	2.24E-07
3460	478863.1	3849377	1.46E-03	1.42E-03	1.41E-03	5.05E-07	1.53E-06	8.83E-07	8.62E-07	7.81E-07	3.56E-07	3.52E-07	0.00E+00	0.00E+00	1.62E-07	2.93E-08	1.86E-07	2.86E-08	2.72E-08	4.33E-07	4.61E-07	1.69E-07	2.30E-07	8.59E-08	4.61E-07	1.69E-07
3461	479363.1	3849377	1.19E-03	1.17E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.05E-07	6.40E-07	2.92E-07	2.88E-07	0.00E+00	0.00E+00	1.33E-07	2.39E-08	1.52E-07	2.34E-08	2.23E-08	3.55E-07	3.77E-07	1.38E-07	1.88E-07	7.03E-08	3.77E-07	1.38E-07
3462	479863.1	3849377	9.41E-04	9.18E-04	9.06E-04	3.26E-07	9.83E-07	5.69E-07	5.56E-07	5.04E-07	2.30E-07	2.27E-07	0.00E+00	0.00E+00	1.05E-07	1.89E-08	1.20E-07	1.85E-08	1.76E-08	2.79E-07	2.97E-07	1.09E-07	1.48E-07	5.54E-08	2.97E-07	1.09E-07
3463	480363.1	3849377	8.91E-04	8.70E-04	8.58E-04	3.08E-07	9.31E-07	5.39E-07	5.26E-07	4.77E-07	2.18E-07	2.15E-07	0.00E+00	0.00E+00	9.92E-08	1.79E-08	1.13E-07	1.75E-08	1.66E-08	2.64E-07	2.81E-07	1.03E-07	1.40E-07	5.25E-08	2.81E-07	1.03E-07
3464	480863.1	3849377	7.83E-04	7.64E-04	7.54E-04	2.71E-07	8.19E-07	4.74E-07	4.62E-07	4.19E-07	1.91E-07	1.89E-07	0.00E+00	0.00E+00	8.72E-08	1.57E-08	9.96E-08	1.54E-08	1.46E-08	2.32E-07	2.47E-07	9.07E-08	1.23E-07	4.61E-08	2.47E-07	9.07E-08
3465	481363.1	3849377	6.69E-04	6.53E-04	6.44E-04	2.32E-07	6.99E-07	4.05E-07	3.95E-07	3.58E-07	1.63E-07	1.61E-07	0.00E+00	0.00E+00	7.45E-08	1.34E-08	8.51E-08	1.31E-08	1.25E-08	1.99E-07	2.11E-07	7.75E-08	1.05E-07	3.94E-08	2.11E-07	7.75E-08
3466	481863.1	3849377	5.49E-04	5.36E-04	5.29E-04	1.90E-07	5.74E-07	3.32E-07	3.24E-07	2.94E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.11E-08	1.10E-08	6.99E-08	1.08E-08	1.02E-08	1.63E-07	1.73E-07	6.36E-08	8.65E-08	3.23E-08	1.73E-07	6.36E-08
3467	482363.1	3849377	4.90E-04	4.79E-04	4.72E-04	1.70E-07	5.13E-07	2.97E-07	2.90E-07	2.62E-07	1.20E-07	1.18E-07	0.00E+00	0.00E+00	5.46E-08	9.83E-09	6.24E-08	9.62E-09	9.15E-09	1.46E-07	1.55E-07	5.68E-08	7.73E-08	2.89E-08	1.55E-07	5.68E-08
3468	482863.1	3849377	4.32E-04	4.22E-04	4.16E-04	1.50E-07	4.52E-07	2.62E-07	2.55E-07	2.31E-07	1.06E-07	1.04E-07	0.00E+00	0.00E+00	4.81E-08	8.66E-09	5.50E-08	8.48E-09	8.07E-09	1.28E-07	1.36E-07	5.00E-08	6.81E-08	2.54E-08	1.36E-07	5.00E-08
3469	483363.1	3849377	3.97E-04	3.88E-04	3.83E-04	1.38E-07	4.15E-07	2.40E-07	2.35E-07	2.13E-07	9.71E-08	9.58E-08	0.00E+00	0.00E+00	4.42E-08	7.97E-09	5.05E-08	7.79E-09	7.42E-09	1.18E-07	1.25E-07	4.60E-08	6.26E-08	2.34E-08	1.25E-07	4.60E-08
3470	483863.1	3849377	3.56E-04	3.48E-04	3.43E-04	1.23E-07	3.72E-07	2.16E-07	2.10E-07	1.91E-07	8.70E-08	8.59E-08	0.00E+00	0.00E+00	3.97E-08	7.14E-09	4.53E-08	6.99E-09	6.65E-09	1.06E-07	1.12E-07	4.13E-08	5.61E-08	2.10E-08	1.12E-07	4.13E-08
3471	484363.1	3849377	4.06E-04	3.96E-04	3.91E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.17E-07	9.92E-08	9.79E-08	0.00E+00	0.00E+00	4.52E-08	8.14E-09	5.17E-08	7.97E-09	7.58E-09	1.21E-07	1.28E-07	4.70E-08	6.40E-08	2.39E-08	1.28E-07	4.70E-08
3472	484863.1	3849377	4.21E-04	4.11E-04	4.05E-04	1.46E-07	4.40E-07	2.55E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.68E-08	8.43E-09	5.35E-08	8.25E-09	7.85E-09	1.25E-07	1.33E-07	4.87E-08	6.63E-08	2.48E-08	1.33E-07	4.87E-08
3473	485363.1	3849377	4.03E-04	3.94E-04	3.88E-04	1.40E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.85E-08	9.72E-08	0.00E+00	0.00E+00	4.49E-08	8.08E-09	5.13E-08	7.91E-09	7.52E-09	1.20E-07	1.27E-07	4.67E-08	6.35E-08	2.37E-08	1.27E-07	4.67E-08
3474	485863.1	3849377	3.57E-04	3.48E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.71E-08	8.60E-08	0.00E+00	0.00E+00	3.97E-08	7.15E-09	4.54E-08	7.00E-09	6.66E-09	1.06E-07	1.13E-07	4.13E-08	5.62E-08	2.10E-08	1.13E-07	4.13E-08
3475	486363.1	3849377	3.19E-04	3.11E-04	3.07E-04	1.10E-07	3.33E-07	1.93E-07	1.88E-07	1.71E-07	7.79E-08	7.69E-08	0.00E+00	0.00E+00	3.55E-08	6.39E-09	4.06E-08	6.26E-09	5.95E-09	9.47E-08	1.01E-07	3.69E-08	5.03E-08	1.88E-08	1.01E-07	3.69E-08
3476	486863.1	3849377	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.12E-08	8.01E-08	0.00E+00	0.00E+00	3.70E-08	6.66E-09	4.23E-08	6.52E-09	6.20E-09	9.86E-08	1.05E-07	3.85E-08	5.24E-08	1.96E-08	1.05E-07	3.85E-08
3477	487363.1	3849377	3.26E-04	3.18E-04	3.14E-04	1.13E-07	3.40E-07	1.97E-07	1.92E-07	1.74E-07	7.95E-08	7.85E-08	0.00E+00	0.00E+00	3.63E-08	6.53E-09	4.14E-08	6.39E-09	6.08E-09	9.67E-08	1.03E-07	3.77E-08	5.13E-08	1.92E-08	1.03E-07	3.77E-08
3478	487863.1	3849377	3.12E-04	3.05E-04	3.01E-04	1.08E-07	3.27E-07	1.89E-07	1.84E-07	1.67E-07	7.63E-08	7.53E-08	0.00E+00	0.00E+00	3.48E-08	6.26E-09	3.97E-08	6.13E-09	5.83E-09	9.27E-08	9.86E-08	3.62E-08	4.92E-08	1.84E-08	9.86E-08	3.62E-08
3479	488363.1	3849377	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.82E-07	1.77E-07	1.61E-07	7.34E-08	7.24E-08	0.00E+00	0.00E+00	3.34E-08	6.02E-09	3.82E-08	5.89E-09	5.60E-09	8.91E-08	9.48E-08	3.48E-08	4.73E-08	1.77E-08	9.48E-08	3.48E-08
3480	488863.1	3849377	2.91E-04	2.84E-04	2.80E-04	1.01E-07	3.04E-07	1.76E-07	1.72E-07	1.56E-07	7.11E-08	7.02E-08	0.00E+00	0.00E+00	3.24E-08	5.84E-09	3.70E-08	5.71E-09	5.43E-09	8.64E-08	9.19E-08	3.37E-08	4.59E-08	1.71E-08	9.19E-08	3.37E-08
3481	489363.1	3849377	2.83E-04	2.76E-04	2.72E-04	9.78E-08	2.95E-07	1.71E-07	1.67E-07	1.51E-07	6.90E-08	6.81E-08	0.00E+00	0.00E+00	3.14E-08	5.66E-09	3.59E-08	5.54E-09	5.27E-09	8.39E-08	8.92E-08	3.27E-08	4.45E-08	1.66E-08	8.92E-08	3.27E-08
3482	489863.1	3849377	2.72E-04	2.65E-04	2.62E-04	9.41E-08	2.84E-07	1.64E-07	1.60E-07	1.45E-07	6.64E-08	6.55E-08	0.00E+00	0.00E+00	3.02E-08	5.45E-09	3.46E-08	5.33E-09	5.07E-09	8.07E-08	8.58E-08	3.15E-08	4.28E-08	1.60E-08	8.58E-08	3.15E-08
3483	490363.1	3849377	2.57E-04	2.51E-04	2.47E-04	8.89E-08	2.68E-07	1.55E-07	1.52E-07	1.37E-07	6.27E-08	6.19E-08	0.00E+00	0.00E+00	2.86E-08	5.15E-09	3.27E-08	5.04E-09	4.79E-09	7.62E-08	8.11E-08	2.97E-08	4.05E-08	1.51E-08	8.11E-08	2.97E-08
3484	490863.1	3849377	2.45E-04	2.39E-04	2.36E-04	8.49E-08	2.56E-07	1.48E-07	1.45E-07	1.31E-07	5.99E-08	5.91E-08	0.00E+00	0.00E+00	2.73E-08	4.91E-09	3.12E-08	4.81E-09	4.58E-09	7.28E-08	7.74E-08	2.84E-08	3.86E-08	1.44E-08	7.74E-08	2.84E-08
3485	491363.1	3849377	2.35E-04	2.29E-04	2.26E-04	8.13E-08	2.45E-07	1.42E-07	1.39E-07	1.26E-07	5.73E-08	5.66E-08	0.00E+00	0.00E+00	2.61E-08	4.71E-09	2.99E-08	4.61E-09	4.38E-09	6.97E-08	7.41E-08	2.72E-08	3.70E-08	1.38E-08	7.41E-08	2.72E-08
3486	491863.1	3849377	2.20E-04	2.15E-04	2.12E-04	7.61E-08	2.30E-07	1.33E-07	1.30E-07	1.18E-07	5.37E-08	5.30E-08	0.00E+00	0.00E+00	2.45E-08	4.41E-09	2.80E-08	4.31E-09	4.10E-09	6.53E-08	6.94E-08	2.55E-08	3.46E-08	1.29E-08	6.94E-08	2.55E-08
3487	492363.1	3849377	2.07E-04	2.02E-04	1.99E-04	7.15E-08	2.16E-07	1.25E-07	1.22E-07	1.11E-07	5.05E-08	4.98E-08	0.00E+00	0.00E+00	2.30E-08	4.14E-09	2.63E-08	4.05E-09	3.86E-09	6.13E-08	6.52E-08	2.39E-08	3.25E-08	1.22E-08	6.52E-08	2.39E-08
3488	492863.1	3849377	1.89E-04	1.85E-04	1.82E-04	6.55E-08	1.98E-07	1.14E-07	1.12E-07	1.01E-07	4.62E-08	4.56E-08	0.00E+00	0.00E+00	2.11E-08	3.79E-09	2.41E-08	3.71E-09	3.53E-09	5.61E-08	5.97E-08	2.19E-08	2.98E-08	1.11E-08	5.97E-08	2.19E-08
3489	493363.1	3849377	1.80E-04	1.76E-04	1.74E-04	6.25E-08	1.89E-07	1.09E-07	1.07E-07	9.66E-08	4.41E-08	4.35E-08	0.00E+00	0.00E+00	2.01E-08	3.62E-09	2.30E-08	3.54E-09	3.37E-09	5.36E-08	5.70E-08	2.09E-08	2.84E-08	1.06E-08	5.70E-08	2.09E-08
3490	493863.1	3849377	1.75E-04	1.71E-04	1.69E-04	6.06E-08	1.83E-07	1.06E-07	1.03E-07	9.37E-08	4.28E-08	4.22E-08	0.00E+00	0.00E+00	1.95E-08	3.51E-09	2.23E-08	3.43E-09	3.27E-09	5.20E-08	5.53E-08	2.03E-08	2.76E-08	1.03E-08	5.53E-08	2.03E-08
3491	494363.1	3849377	1.74E-04	1.70E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.03E-07	9.33E-08	4.26E-08	4.20E-08	0.00E+00	0.00E+00	1.94E-08	3.49E-09	2.22E-08	3.42E-09	3.25E-09	5.17E-08	5.50E-08	2.02E-08	2.75E-08	1.03E-08	5.50E-08	2.02E-08
3492	494863.1	3849377	1.82E-04	1.78E-04	1.75E-04	6.30E-08	1.90E-07	1.10E-07	1.08E-07	9.75E-08	4.45E-08	4.39E-08	0.00E+00	0.00E+00	2.03E-08	3.65E-09	2.32E-08	3.57E-09	3.40E-09	5.41E-08	5.75E-08	2.11E-08	2.87E-08	1.07E-08	5.75E-08	2.11E-08
3493	495363.1	3849377	1.82E-04	1.78E-04	1.75E-04	6.30E-08	1.90E-07	1.10E-07	1.08E-07	9.75E-08	4.45E-08	4.39E-08	0.00E+00	0.00E+00	2.03E-08	3.65E-09	2.32E-08	3.57E-09	3.40E-09	5.41E-08	5.75E-08	2.11E-08	2.87E-08	1.07E-08	5.75E-08	2.11E-08
3494	495863.1	3849377	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	0.00E+00	0.00E+00	1.78E-08	3.21E-09	2.04E-08	3.14E-09	2.99E-09	4.75E-08	5.05E-08	1.85E-08	2.52E-08	9.43E-09	5.05E-08	1.85E-08
3495	496363.1	3849377	1.55E-04	1.51E-04	1.49E-04	5.37E-08	1.62E-07	9.39E-08	9.16E-08	8.30E-08	3.79E-08	3.74E-08	0.00E+00	0.00E+00	1.73E-08	3.11E-09	1.97E-08	3.04E-09	2.90E-09	4.61E-08	4.90E-08	1.80E-08	2.44E-08	9.13E-09	4.90E-08	1.80E-08
3496	496863.1	3849377	1.75E-04	1.71E-04	1.69E-04	6.06E-08	1.83E-07	1.06E-07	1.03E-07	9.37E-08	4.28E-08	4.22E-08	0.00E+00	0.00E+00	1.95E-08	3.51E-09	2.23E-08	3.43E-09	3.27E-09	5.20E-08	5.53E-08	2.03E-08	2.76E-08	1.03E-08	5.53E-08	2.03E-08
3497	497363.1	3849377	1.78E-04	1.74E-04	1.72E-04	6.18E-08	1.86E-07	1.08E-07	1.05E-07	9.55E-08	4.36E-08	4.30E-08	0.00E+00	0.00E+00	1.99E-08	3.58E-09	2.27E-08	3.50E-09	3.33E-09	5.29E-08	5.63E-08	2.07E-08	2.81E-08	1.05E-08	5.63E-08	2.07E-08
3498	497863.1	3849377	1.96E-04	1.91E-04	1.89E-04	6.79E-08	2.05E-07	1.19E-07	1.16E-07	1.05E-07	4.79E-08	4.73E-08	0.00E+00	0.00E+00	2.18E-08	3.93E-09	2.50E-08	3.85E-09	3.66E-09	5.82E-08	6.19E-08	2.27E-08	3.09E-08	1.16E-08	6.19E-08	2.27E-08
3499	498363.1	3849377	1.90E-04	1.85E-04	1.83E-04	6.56E-08	1.98E-07	1.15E-07	1.12E-07	1.01E-07	4.63E-08	4.57E-08	0.00E+00	0.00E+00	2.11E-08	3.80E-09	2.41E-08	3.72E-09	3.54E-09	5.63E-08	5.98E-08	2.19E-08	2.99E-08	1.12E-08	5.98E-08	2.19E-08
3500	471363.1	3849877	2.19E-04	2.14E-04	2.11E-04	7.58E-08	2.29E-07	1.33E-07	1.29E-07	1.17E-07	5.35E-08	5.28E-08	0.00E+00	0.00E+00	2.44E-08	4.39E-09	2.79E-08	4.30E-09	4.09E-09	6.50E-08	6.91E-08	2.54E-08	3.45E-08	1.29E-08	6.91E-08	2.54E-08
3501	471863.1	3849877	2.56E-04	2.50E-04	2.47E-04	8.88E-08	2.68E-07	1.55E-07	1.51E-07	1.37E-07	6.26E-08	6.18E-08	0.00E+00	0.00E+00	2.85E-08	5.14E-09	3.26E-08	5.03E-09	4.78E-09	7.61E-08	8.09E-08	2.97E-08	4.04E-08	1.51E-08	8.09E-08	2.97E-08
3502	472363.1	3849877	2.85E-04	2.78E-04	2.74E-04	9.85E-08	2.97E-07	1.72E-07	1.68E-07	1.52E-07	6.95E-08	6.86E-08	0.00E+00	0.00E+00	3.17E-08	5.70E-09	3.62E-08	5.58E-09	5.31E-09	8.45E-08	8.98E-08	3.29E-08	4.48E-08	1.68E-08	8.98E-08	3.29E-08
3503	472863.1	3849877	3.12E-04	3.04E-04	3.00E-04	1.08E-07	3.26E-07	1.89E-07	1.84E-07	1.67E-07	7.62E-08	7.52E-08	0.00E+00	0.00E+00	3.47E-08	6.25E-09	3.97E-08	6.12E-09	5.82E-09	9.26E-08	9.85E-08	3.61E-08	4.91E-08	1.84E-08	9.85E-08	3.61E-08
3504	473363.1	3849877	3.48E-04	3.40E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.06E-07	1.87E-07	8.51E-08	8.40E-08	0.00E+00	0.00E+00	3.88E-08	6.98E-09	4.43E-08	6.83E-09	6.50E-09	1.03E-07	1.10E-07	4.03E-08	5.49E-08	2.05E-08	1.10E-07	4.03E-08
3505	473863.1	3849877	3.96E-04	3.87E-04	3.81E-04	1.37E-07	4.14E-07	2.40E-07	2.34E-07	2.12E-07	9.68E-08	9.55E-08	0.00E+00	0.00E+00	4.41E-08	7.94E-09	5.04E-08	7.77E-09	7.39E-09	1.18E-07	1.25E-07	4.59E-08	6.24E-08	2.33E-08	1.25E-07	4.59E-08
3506	474363.1	3849877	4.60E-04	4.49E-04	4.43E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	5.12E-08	9.21E-09	5.85E-08	9.01E-09	8.58E-09	1.36E-07	1.45E-07	5.32E-08	7.24E-08	2.71E-08	1.45E-07	5.32E-08
3507	474863.1	3849877	5.39E-04	5.26E-04	5.19E-04	1.87E-07	5.63E-07	3.26E-07	3.18E-07	2.88E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	6.00E-08	1.08E-08	6.85E-08	1.06E-08	1.01E-08	1.60E-07	1.70E-07	6.24E-08	8.49E-08	3.17E-08	1.70E-07	6.24E-08
3508	475363.1	3849877	6.47E-04	6.31E-04	6.23E-04	2.24E-07	6.76E-07	3.91E-07	3.82E-07	3.46E-07	1.58E-07	1.56E-07	0.00E+00	0.00E+00	7.20E-08	1.30E-08	8.23E-08	1.27E-08	1.21E-08	1.92E-07	2.04E-07	7.49E-08	1.02E-07	3.81E-08	2.04E-07	7.49E-08
3509	475863.1	3849877	7.90E-04	7.71E-04	7.61E-04	2.74E-07	8.26E-07	4.78E-07	4.67E-07	4.23E-07	1.93E-07	1.90E-07	0.00E+00	0.00E+00	8.80E-08	1.58E-08	1.01E-07	1.55E-08	1.47E-08	2.35E-07	2.49E-07	9.15E-08	1.25E-07	4.65E-08	2.49E-07	9.15E-08
3510	476363.1	3849877	1.01E-03	9.84E-04	9.71E-04	3.49E-07	1.05E-06	6.10E-07	5.95E-07	5.40E-07	2.46E-07	2.43E-07	0.00E+00	0.00E+00	1.12E-07	2.02E-08	1.28E-07	1.98E-08	1.88E-08	2.99E-07	3.18E-07	1.17E-07	1.59E-07	5.94E-08	3.18E-07	1.17E-07
3511	476863.1	3849877	1.50E-03	1.46E-03	1.44E-03	5.18E-07	1.56E-06	9.05E-07	8.83E-07	8.01E-07	3.65E-07	3.60E-07	0.00E+00	0.00E+00	1.66E-07	3.00E-08	1.90E-07	2.93E-08	2.79E-08	4.44E-07	4.72E-07	1.73E-07	2.36E-07	8.80E-08	4.72E-07	1.73E-07
3512	477363.1	3849877	3.54E-03	3.45E-03	3.41E-03	1.22E-06	3.70E-06	2.14E-06	2.09E-06	1.89E-06	8.64E-07	8.52E-07	0.00E+00	0.00E+00	3.94E-07	7.09E-08	4.50E-07	6.94E-08	6.60E-08	1.05E-06	1.12E-06	4.09E-07	5.57E-07	2.08E-07	1.12E-06	4.09E-07
3513	477863.1	3849877	1.69E-02	1.65E-02	1.63E-02	5.84E-06	1.76E-05	1.02E-05	9.97E-06	9.04E-06	4.12E-06	4.07E-06	0.00E+00	0.00E+00	1.88E-06	3.38E-07	2.15E-06	3.31E-07	3.15E-07	5.01E-06	5.33E-06	1.95E-06	2.66E-06	9.94E-07	5.33E-06	1.95E-06
3514	478363.1	3849877	4.63E-03	4.52E-03	4.46E-03	1.60E-06	4.84E-06	2.80E-06	2.73E-06	2.48E-06	1.13E-06	1.12E-06	0.00E+00	0.00E+00	5.15E-07	9.28E-08	5.89E-07	9.08E-08	8.64E-08	1.37E-06	1.46E-06	5.36E-07	7.29E-07	2.72E-07	1.46E-06	5.36E-07
3515	478863.1	3849877	2.78E-03	2.71E-03	2.68E-03	9.63E-07	2.91E-06	1.68E-06	1.64E-06	1.49E-06	6.79E-07	6.70E-07	0.00E+00	0.00E+00	3.10E-07	5.57E-08	3.54E-07	5.45E-08	5.19E-08	8.25E-07	8.78E-07	3.22E-07	4.38E-07	1.64E-07	8.78E-07	3.22E-07
3516	479363.1	3849877	1.91E-03	1.86E-03	1.84E-03	6.61E-07	2.00E-06	1.16E-06	1.13E-06	1.02E-06	4.66E-07	4.60E-07	0.00E+00	0.00E+00	2.13E-07	3.83E-08	2.43E-07	3.74E-08	3.56E-08	5.67E-07	6.03E-07	2.21E-07	3.01E-07	1.12E-07	6.03E-07	2.21E-07
3517	479863.1	3849877	1.52E-03	1.48E-03	1.47E-03	5.27E-07	1.59E-06	9.21E-07	8.99E-07	8.14E-07	3.72E-07	3.67E-07	0.00E+00	0.00E+00	1.69E-07	3.05E-08	1.94E-07	2.98E-08	2.84E-08	4.52E-07	4.80E-07	1.76E-07	2.40E-07	8.96E-08	4.80E-07	1.76E-07
3518	480363.1	3849877	1.16E-03	1.14E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	6.87E-07	6.23E-07	2.84E-07	2.80E-07	0.00E+00	0.00E+00	1.30E-07	2.33E-08	1.48E-07	2.28E-08	2.17E-08	3.45E-07	3.67E-07	1.35E-07	1.83E-07	6.85E-08	3.67E-07	1.35E-07
3519	480863.1	3849877	9.46E-04	9.23E-04	9.10E-04	3.27E-07	9.88E-07	5.72E-07	5.58E-07	5.06E-07	2.31E-07	2.28E-07	0.00E+00	0.00E+00	1.05E-07	1.89E-08	1.20E-07	1.85E-08	1.76E-08	2.81E-07	2.98E-07	1.09E-07	1.49E-07	5.57E-08	2.98E-07	1.09E-07
3520	481363.1	3849877	8.08E-04	7.88E-04	7.78E-04	2.80E-07	8.44E-07	4.89E-07	4.77E-07	4.32E-07	1.97E-07	1.95E-07	0.00E+00	0.00E+00	8.99E-08	1.62E-08	1.03E-07	1.58E-08	1.51E-08	2.40E-07	2.55E-07	9.35E-08	1.27E-07	4.76E-08	2.55E-07	9.35E-08
3521	481863.1	3849877	6.25E-04	6.10E-04	6.02E-04	2.16E-07	6.53E-07	3.78E-07	3.69E-07	3.35E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.96E-08	1.25E-08	7.95E-08	1.23E-08	1.17E-08	1.86E-07	1.97E-07	7.24E-08	9.85E-08	3.68E-08	1.97E-07	7.24E-08
3522	482363.1	3849877	5.36E-04	5.23E-04	5.17E-04	1.86E-07	5.61E-07	3.25E-07	3.17E-07	2.87E-07	1.31E-07	1.29E-07	0.00E+00	0.00E+00	5.97E-08	1.08E-08	6.82E-08	1.05E-08	1.00E-08	1.59E-07	1.69E-07	6.21E-08	8.45E-08	3.16E-08	1.69E-07	6.21E-08
3523	482863.1	3849877	4.75E-04	4.64E-04	4.58E-04	1.65E-07	4.97E-07	2.88E-07	2.81E-07	2.54E-07	1.16E-07	1.15E-07	0.00E+00	0.00E+00	5.29E-08	9.53E-09	6.05E-08	9.32E-09	8.87E-09	1.41E-07	1.50E-07	5.50E-08	7.49E-08	2.80E-08	1.50E-07	5.50E-08
3524	483363.1	3849877	4.22E-04	4.12E-04	4.07E-04	1.46E-07	4.41E-07	2.56E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.70E-08	8.46E-09	5.37E-08	8.28E-09	7.88E-09	1.25E-07	1.33E-07	4.89E-08	6.65E-08	2.49E-08	1.33E-07	4.89E-08
3525	483863.1	3849877	4.02E-04	3.92E-04	3.87E-04	1.39E-07	4.20E-07	2.43E-07	2.37E-07	2.15E-07	9.82E-08	9.69E-08	0.00E+00	0.00E+00	4.48E-08	8.06E-09	5.11E-08	7.88E-09	7.50E-09	1.19E-07	1.27E-07	4.65E-08	6.33E-08	2.37E-08	1.27E-07	4.65E-08
3526	484363.1	3849877	4.41E-04	4.30E-04	4.24E-04	1.53E-07	4.61E-07	2.67E-07	2.60E-07	2.36E-07	1.08E-07	1.06E-07	0.00E+00	0.00E+00	4.90E-08	8.83E-09	5.60E-08	8.64E-09	8.22E-09	1.31E-07	1.39E-07	5.10E-08	6.94E-08	2.59E-08	1.39E-07	5.10E-08
3527	484863.1	3849877	4.70E-04	4.58E-04	4.52E-04	1.63E-07	4.91E-07	2.84E-07	2.77E-07	2.51E-07	1.15E-07	1.13E-07	0.00E+00	0.00E+00	5.23E-08	9.41E-09	5.97E-08	9.21E-09	8.76E-09	1.39E-07	1.48E-07	5.44E-08	7.40E-08	2.76E-08	1.48E-07	5.44E-08
3528	485363.1	3849877	4.37E-04	4.26E-04	4.21E-04	1.51E-07	4.57E-07	2.64E-07	2.58E-07	2.34E-07	1.07E-07	1.05E-07	0.00E+00	0.00E+00	4.86E-08	8.76E-09	5.56E-08	8.57E-09	8.15E-09	1.30E-07	1.38E-07	5.06E-08	6.88E-08	2.57E-08	1.38E-07	5.06E-08
3529	485863.1	3849877	3.96E-04	3.87E-04	3.81E-04	1.37E-07	4.14E-07	2.40E-07	2.34E-07	2.12E-07	9.68E-08	9.55E-08	0.00E+00	0.00E+00	4.41E-08	7.94E-09	5.04E-08	7.77E-09	7.39E-09	1.18E-07	1.25E-07	4.59E-08	6.24E-08	2.33E-08	1.25E-07	4.59E-08
3530	486363.1	3849877	3.71E-04	3.62E-04	3.57E-04	1.28E-07	3.88E-07	2.24E-07	2.19E-07	1.99E-07	9.06E-08	8.94E-08	0.00E+00	0.00E+00	4.13E-08	7.43E-09	4.72E-08	7.27E-09	6.92E-09	1.10E-07	1.17E-07	4.29E-08	5.84E-08	2.18E-08	1.17E-07	4.29E-08
3531	486863.1	3849877	3.70E-04	3.61E-04	3.56E-04	1.28E-07	3.87E-07	2.24E-07	2.19E-07	1.98E-07	9.04E-08	8.92E-08	0.00E+00	0.00E+00	4.12E-08	7.42E-09	4.71E-08	7.26E-09	6.91E-09	1.10E-07	1.17E-07	4.28E-08	5.83E-08	2.18E-08	1.17E-07	4.28E-08
3532	487363.1	3849877	3.55E-04	3.47E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.10E-07	1.90E-07	8.67E-08	8.56E-08	0.00E+00	0.00E+00	3.95E-08	7.12E-09	4.52E-08	6.96E-09	6.63E-09	1.05E-07	1.12E-07	4.11E-08	5.59E-08	2.09E-08	1.12E-07	4.11E-08
3533	487863.1	3849877	3.39E-04	3.30E-04	3.26E-04	1.17E-07	3.54E-07	2.05E-07	2.00E-07	1.81E-07	8.27E-08	8.16E-08	0.00E+00	0.00E+00	3.77E-08	6.78E-09	4.31E-08	6.64E-09	6.32E-09	1.00E-07	1.07E-07	3.92E-08	5.33E-08	1.99E-08	1.07E-07	3.92E-08
3534	488363.1	3849877	3.25E-04	3.17E-04	3.13E-04	1.12E-07	3.40E-07	1.97E-07	1.92E-07	1.74E-07	7.93E-08	7.83E-08	0.00E+00	0.00E+00	3.62E-08	6.51E-09	4.13E-08	6.37E-09	6.06E-09	9.64E-08	1.03E-07	3.76E-08	5.12E-08	1.91E-08	1.03E-07	3.76E-08
3535	488863.1	3849877	3.13E-04	3.06E-04	3.02E-04	1.08E-07	3.27E-07	1.90E-07	1.85E-07	1.68E-07	7.65E-08	7.55E-08	0.00E+00	0.00E+00	3.49E-08	6.28E-09	3.98E-08	6.14E-09	5.84E-09	9.30E-08	9.89E-08	3.63E-08	4.93E-08	1.84E-08	9.89E-08	3.63E-08

3536	489363.1	3849877	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.81E-07	1.77E-07	1.61E-07	7.33E-08	7.23E-08	0.00E+00	0.00E+00	3.34E-08	6.01E-09	3.81E-08	5.88E-09	5.60E-09	8.90E-08	9.47E-08	3.47E-08	4.73E-08	1.77E-08	9.47E-08	3.47E-08
3537	489863.1	3849877	2.85E-04	2.78E-04	2.74E-04	9.87E-08	2.98E-07	1.72E-07	1.68E-07	1.53E-07	6.96E-08	6.87E-08	0.00E+00	0.00E+00	3.17E-08	5.71E-09	3.62E-08	5.59E-09	5.32E-09	8.46E-08	9.00E-08	3.30E-08	4.49E-08	1.68E-08	9.00E-08	3.30E-08
3538	490363.1	3849877	2.70E-04	2.63E-04	2.60E-04	9.34E-08	2.82E-07	1.63E-07	1.59E-07	1.44E-07	6.59E-08	6.50E-08	0.00E+00	0.00E+00	3.00E-08	5.40E-09	3.43E-08	5.29E-09	5.03E-09	8.00E-08	8.51E-08	3.12E-08	4.25E-08	1.59E-08	8.51E-08	3.12E-08
3539	490863.1	3849877	2.57E-04	2.51E-04	2.48E-04	8.90E-08	2.69E-07	1.56E-07	1.52E-07	1.38E-07	6.28E-08	6.20E-08	0.00E+00	0.00E+00	2.86E-08	5.16E-09	3.27E-08	5.04E-09	4.80E-09	7.63E-08	8.12E-08	2.98E-08	4.05E-08	1.51E-08	8.12E-08	2.98E-08
3540	491363.1	3849877	2.46E-04	2.40E-04	2.37E-04	8.52E-08	2.57E-07	1.49E-07	1.45E-07	1.32E-07	6.01E-08	5.93E-08	0.00E+00	0.00E+00	2.74E-08	4.93E-09	3.13E-08	4.82E-09	4.59E-09	7.30E-08	7.76E-08	2.85E-08	3.88E-08	1.45E-08	7.76E-08	2.85E-08
3541	491863.1	3849877	2.30E-04	2.25E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.36E-07	1.23E-07	5.62E-08	5.55E-08	0.00E+00	0.00E+00	2.56E-08	4.61E-09	2.93E-08	4.52E-09	4.30E-09	6.83E-08	7.27E-08	2.67E-08	3.63E-08	1.36E-08	7.27E-08	2.67E-08
3542	492363.1	3849877	2.17E-04	2.12E-04	2.09E-04	7.51E-08	2.27E-07	1.31E-07	1.28E-07	1.16E-07	5.30E-08	5.23E-08	0.00E+00	0.00E+00	2.42E-08	4.35E-09	2.76E-08	4.26E-09	4.05E-09	6.44E-08	6.85E-08	2.51E-08	3.42E-08	1.28E-08	6.85E-08	2.51E-08
3543	492863.1	3849877	2.02E-04	1.98E-04	1.95E-04	7.01E-08	2.12E-07	1.23E-07	1.20E-07	1.08E-07	4.94E-08	4.88E-08	0.00E+00	0.00E+00	2.25E-08	4.06E-09	2.57E-08	3.97E-09	3.78E-09	6.01E-08	6.39E-08	2.34E-08	3.19E-08	1.19E-08	6.39E-08	2.34E-08
3544	493363.1	3849877	1.88E-04	1.83E-04	1.81E-04	6.51E-08	1.96E-07	1.14E-07	1.11E-07	1.01E-07	4.59E-08	4.53E-08	0.00E+00	0.00E+00	2.09E-08	3.77E-09	2.39E-08	3.69E-09	3.51E-09	5.58E-08	5.93E-08	2.18E-08	2.96E-08	1.11E-08	5.93E-08	2.18E-08
3545	493863.1	3849877	1.79E-04	1.75E-04	1.73E-04	6.20E-08	1.87E-07	1.08E-07	1.06E-07	9.59E-08	4.38E-08	4.32E-08	0.00E+00	0.00E+00	2.00E-08	3.59E-09	2.28E-08	3.51E-09	3.34E-09	5.32E-08	5.66E-08	2.07E-08	2.82E-08	1.06E-08	5.66E-08	2.07E-08
3546	494363.1	3849877	1.92E-04	1.87E-04	1.85E-04	6.64E-08	2.00E-07	1.16E-07	1.13E-07	1.03E-07	4.68E-08	4.62E-08	0.00E+00	0.00E+00	2.13E-08	3.84E-09	2.44E-08	3.76E-09	3.58E-09	5.69E-08	6.05E-08	2.22E-08	3.02E-08	1.13E-08	6.05E-08	2.22E-08
3547	494863.1	3849877	1.97E-04	1.93E-04	1.90E-04	6.84E-08	2.06E-07	1.19E-07	1.17E-07	1.06E-07	4.82E-08	4.76E-08	0.00E+00	0.00E+00	2.20E-08	3.96E-09	2.51E-08	3.87E-09	3.68E-09	5.86E-08	6.23E-08	2.29E-08	3.11E-08	1.16E-08	6.23E-08	2.29E-08
3548	495363.1	3849877	1.82E-04	1.77E-04	1.75E-04	6.29E-08	1.90E-07	1.10E-07	1.07E-07	9.73E-08	4.44E-08	4.38E-08	0.00E+00	0.00E+00	2.02E-08	3.64E-09	2.31E-08	3.56E-09	3.39E-09	5.39E-08	5.74E-08	2.10E-08	2.86E-08	1.07E-08	5.74E-08	2.10E-08
3549	495863.1	3849877	1.90E-04	1.85E-04	1.83E-04	6.58E-08	1.99E-07	1.15E-07	1.12E-07	1.02E-07	4.64E-08	4.58E-08	0.00E+00	0.00E+00	2.12E-08	3.81E-09	2.42E-08	3.73E-09	3.55E-09	5.64E-08	6.00E-08	2.20E-08	2.99E-08	1.12E-08	6.00E-08	2.20E-08
3550	496363.1	3849877	1.90E-04	1.85E-04	1.83E-04	6.58E-08	1.99E-07	1.15E-07	1.12E-07	1.02E-07	4.64E-08	4.58E-08	0.00E+00	0.00E+00	2.12E-08	3.81E-09	2.42E-08	3.73E-09	3.55E-09	5.64E-08	6.00E-08	2.20E-08	2.99E-08	1.12E-08	6.00E-08	2.20E-08
3551	496863.1	3849877	1.89E-04	1.85E-04	1.82E-04	6.55E-08	1.98E-07	1.14E-07	1.12E-07	1.01E-07	4.62E-08	4.56E-08	0.00E+00	0.00E+00	2.11E-08	3.79E-09	2.41E-08	3.71E-09	3.53E-09	5.61E-08	5.97E-08	2.19E-08	2.98E-08	1.11E-08	5.97E-08	2.19E-08
3552	497363.1	3849877	2.00E-04	1.95E-04	1.93E-04	6.92E-08	2.09E-07	1.21E-07	1.18E-07	1.07E-07	4.88E-08	4.82E-08	0.00E+00	0.00E+00	2.23E-08	4.01E-09	2.54E-08	3.92E-09	3.73E-09	5.94E-08	6.31E-08	2.31E-08	3.15E-08	1.18E-08	6.31E-08	2.31E-08
3553	497863.1	3849877	2.01E-04	1.96E-04	1.94E-04	6.97E-08	2.10E-07	1.22E-07	1.19E-07	1.08E-07	4.91E-08	4.85E-08	0.00E+00	0.00E+00	2.24E-08	4.03E-09	2.56E-08	3.95E-09	3.75E-09	5.97E-08	6.35E-08	2.33E-08	3.17E-08	1.18E-08	6.35E-08	2.33E-08
3554	498363.1	3849877	1.95E-04	1.90E-04	1.88E-04	6.75E-08	2.04E-07	1.18E-07	1.15E-07	1.04E-07	4.76E-08	4.70E-08	0.00E+00	0.00E+00	2.17E-08	3.91E-09	2.48E-08	3.82E-09	3.64E-09	5.79E-08	6.15E-08	2.26E-08	3.07E-08	1.15E-08	6.15E-08	2.26E-08
3555	471363.1	3850377	1.61E-04	1.57E-04	1.55E-04	5.57E-08	1.68E-07	9.74E-08	9.50E-08	8.62E-08	3.93E-08	3.88E-08	0.00E+00	0.00E+00	1.79E-08	3.23E-09	2.05E-08	3.16E-09	3.00E-09	4.78E-08	5.08E-08	1.86E-08	2.54E-08	9.48E-09	5.08E-08	1.86E-08
3556	471863.1	3850377	2.06E-04	2.01E-04	1.98E-04	7.12E-08	2.15E-07	1.25E-07	1.21E-07	1.10E-07	5.03E-08	4.96E-08	0.00E+00	0.00E+00	2.29E-08	4.12E-09	2.62E-08	4.04E-09	3.84E-09	6.11E-08	6.49E-08	2.38E-08	3.24E-08	1.21E-08	6.49E-08	2.38E-08
3557	472363.1	3850377	2.34E-04	2.29E-04	2.26E-04	8.11E-08	2.45E-07	1.42E-07	1.38E-07	1.25E-07	5.72E-08	5.65E-08	0.00E+00	0.00E+00	2.61E-08	4.70E-09	2.98E-08	4.60E-09	4.37E-09	6.96E-08	7.40E-08	2.71E-08	3.69E-08	1.38E-08	7.40E-08	2.71E-08
3558	472863.1	3850377	2.72E-04	2.65E-04	2.62E-04	9.41E-08	2.84E-07	1.64E-07	1.60E-07	1.45E-07	6.64E-08	6.55E-08	0.00E+00	0.00E+00	3.02E-08	5.45E-09	3.46E-08	5.33E-09	5.07E-09	8.07E-08	8.58E-08	3.15E-08	4.28E-08	1.60E-08	8.58E-08	3.15E-08
3559	473363.1	3850377	2.97E-04	2.90E-04	2.86E-04	1.03E-07	3.10E-07	1.80E-07	1.75E-07	1.59E-07	7.25E-08	7.16E-08	0.00E+00	0.00E+00	3.31E-08	5.95E-09	3.78E-08	5.83E-09	5.54E-09	8.82E-08	9.38E-08	3.44E-08	4.68E-08	1.75E-08	9.38E-08	3.44E-08
3560	473863.1	3850377	3.28E-04	3.20E-04	3.16E-04	1.14E-07	3.43E-07	1.99E-07	1.94E-07	1.76E-07	8.01E-08	7.91E-08	0.00E+00	0.00E+00	3.65E-08	6.58E-09	4.17E-08	6.44E-09	6.12E-09	9.74E-08	1.04E-07	3.80E-08	5.17E-08	1.93E-08	1.04E-07	3.80E-08
3561	474363.1	3850377	3.63E-04	3.54E-04	3.50E-04	1.26E-07	3.79E-07	2.20E-07	2.14E-07	1.94E-07	8.87E-08	8.75E-08	0.00E+00	0.00E+00	4.04E-08	7.28E-09	4.62E-08	7.12E-09	6.77E-09	1.08E-07	1.15E-07	4.20E-08	5.72E-08	2.14E-08	1.15E-07	4.20E-08
3562	474863.1	3850377	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.44E-07	2.38E-07	2.16E-07	9.86E-08	9.73E-08	0.00E+00	0.00E+00	4.49E-08	8.09E-09	5.13E-08	7.92E-09	7.53E-09	1.20E-07	1.27E-07	4.67E-08	6.36E-08	2.38E-08	1.27E-07	4.67E-08
3563	475363.1	3850377	4.51E-04	4.40E-04	4.35E-04	1.56E-07	4.72E-07	2.73E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.02E-08	9.05E-09	5.74E-08	8.85E-09	8.42E-09	1.34E-07	1.42E-07	5.23E-08	7.11E-08	2.66E-08	1.42E-07	5.23E-08
3564	475863.1	3850377	5.20E-04	5.08E-04	5.01E-04	1.80E-07	5.44E-07	3.15E-07	3.07E-07	2.78E-07	1.27E-07	1.25E-07	0.00E+00	0.00E+00	5.79E-08	1.04E-08	6.62E-08	1.02E-08	9.71E-09	1.54E-07	1.64E-07	6.02E-08	8.20E-08	3.06E-08	1.64E-07	6.02E-08
3565	476363.1	3850377	6.05E-04	5.90E-04	5.82E-04	2.09E-07	6.32E-07	3.66E-07	3.57E-07	3.24E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.73E-08	1.21E-08	7.69E-08	1.19E-08	1.13E-08	1.80E-07	1.91E-07	7.00E-08	9.53E-08	3.56E-08	1.91E-07	7.00E-08
3566	476863.1	3850377	7.29E-04	7.12E-04	7.02E-04	2.52E-07	7.62E-07	4.41E-07	4.31E-07	3.90E-07	1.78E-07	1.76E-07	0.00E+00	0.00E+00	8.12E-08	1.46E-08	9.28E-08	1.43E-08	1.36E-08	2.16E-07	2.30E-07	8.44E-08	1.15E-07	4.29E-08	2.30E-07	8.44E-08
3567	477363.1	3850377	9.41E-04	9.18E-04	9.06E-04	3.26E-07	9.83E-07	5.69E-07	5.56E-07	5.04E-07	2.30E-07	2.27E-07	0.00E+00	0.00E+00	1.05E-07	1.89E-08	1.20E-07	1.85E-08	1.76E-08	2.79E-07	2.97E-07	1.09E-07	1.48E-07	5.54E-08	2.97E-07	1.09E-07
3568	477863.1	3850377	1.41E-03	1.37E-03	1.36E-03	4.88E-07	1.47E-06	8.52E-07	8.32E-07	7.54E-07	3.44E-07	3.40E-07	0.00E+00	0.00E+00	1.57E-07	2.82E-08	1.79E-07	2.76E-08	2.63E-08	4.18E-07	4.45E-07	1.63E-07	2.22E-07	8.29E-08	4.45E-07	1.63E-07
3569	478363.1	3850377	3.33E-03	3.25E-03	3.20E-03	1.15E-06	3.48E-06	2.01E-06	1.97E-06	1.78E-06	8.13E-07	8.02E-07	0.00E+00	0.00E+00	3.70E-07	6.67E-08	4.23E-07	6.53E-08	6.21E-08	9.88E-07	1.05E-06	3.85E-07	5.24E-07	1.96E-07	1.05E-06	3.85E-07
3570	478863.1	3850377	1.91E-02	1.86E-02	1.84E-02	6.61E-06	2.00E-05	1.16E-05	1.13E-05	1.02E-05	4.66E-06	4.60E-06	0.00E+00	0.00E+00	2.13E-06	3.83E-07	2.43E-06	3.74E-07	3.56E-07	5.67E-06	6.03E-06	2.21E-06	3.01E-06	1.12E-06	6.03E-06	2.21E-06
3571	479363.1	3850377	4.86E-03	4.74E-03	4.68E-03	1.68E-06	5.08E-06	2.94E-06	2.87E-06	2.60E-06	1.19E-06	1.17E-06	0.00E+00	0.00E+00	5.41E-07	9.74E-08	6.18E-07	9.53E-08	9.07E-08	1.44E-06	1.53E-06	5.63E-07	7.66E-07	2.86E-07	1.53E-06	5.63E-07
3572	479863.1	3850377	2.69E-03	2.63E-03	2.59E-03	9.33E-07	2.82E-06	1.63E-06	1.59E-06	1.44E-06	6.58E-07	6.49E-07	0.00E+00	0.00E+00	3.00E-07	5.40E-08	3.43E-07	5.28E-08	5.03E-08	8.00E-07	8.50E-07	3.12E-07	4.24E-07	1.59E-07	8.50E-07	3.12E-07
3573	480363.1	3850377	1.86E-03	1.82E-03	1.79E-03	6.44E-07	1.94E-06	1.13E-06	1.10E-06	9.96E-07	4.54E-07	4.48E-07	0.00E+00	0.00E+00	2.07E-07	3.73E-08	2.37E-07	3.65E-08	3.47E-08	5.52E-07	5.87E-07	2.15E-07	2.93E-07	1.10E-07	5.87E-07	2.15E-07
3574	480863.1	3850377	1.48E-03	1.44E-03	1.42E-03	5.12E-07	1.55E-06	8.94E-07	8.73E-07	7.91E-07	3.61E-07	3.56E-07	0.00E+00	0.00E+00	1.65E-07	2.96E-08	1.88E-07	2.90E-08	2.76E-08	4.39E-07	4.67E-07	1.71E-07	2.33E-07	8.70E-08	4.67E-07	1.71E-07
3575	481363.1	3850377	1.02E-03	1.00E-03	9.86E-04	3.55E-07	1.07E-06	6.20E-07	6.05E-07	5.48E-07	2.50E-07	2.47E-07	0.00E+00	0.00E+00	1.14E-07	2.05E-08	1.30E-07	2.01E-08	1.91E-08	3.04E-07	3.23E-07	1.19E-07	1.61E-07	6.03E-08	3.23E-07	1.19E-07
3576	481863.1	3850377	8.77E-04	8.56E-04	8.44E-04	3.04E-07	9.17E-07	5.31E-07	5.18E-07	4.69E-07	2.14E-07	2.11E-07	0.00E+00	0.00E+00	9.76E-08	1.76E-08	1.12E-07	1.72E-08	1.64E-08	2.60E-07	2.77E-07	1.02E-07	1.38E-07	5.16E-08	2.77E-07	1.02E-07
3577	482363.1	3850377	7.56E-04	7.38E-04	7.28E-04	2.62E-07	7.91E-07	4.58E-07	4.47E-07	4.05E-07	1.85E-07	1.82E-07	0.00E+00	0.00E+00	8.42E-08	1.52E-08	9.62E-08	1.48E-08	1.41E-08	2.24E-07	2.39E-07	8.76E-08	1.19E-07	4.45E-08	2.39E-07	8.76E-08
3578	482863.1	3850377	6.02E-04	5.88E-04	5.80E-04	2.09E-07	6.30E-07	3.64E-07	3.56E-07	3.22E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.71E-08	1.21E-08	7.66E-08	1.18E-08	1.12E-08	1.79E-07	1.90E-07	6.97E-08	9.49E-08	3.55E-08	1.90E-07	6.97E-08
3579	483363.1	3850377	5.15E-04	5.02E-04	4.96E-04	1.78E-07	5.38E-07	3.12E-07	3.04E-07	2.76E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.73E-08	1.03E-08	6.55E-08	1.01E-08	9.61E-09	1.53E-07	1.62E-07	5.96E-08	8.11E-08	3.03E-08	1.62E-07	5.96E-08
3580	483863.1	3850377	5.02E-04	4.90E-04	4.83E-04	1.74E-07	5.25E-07	3.04E-07	2.96E-07	2.69E-07	1.23E-07	1.21E-07	0.00E+00	0.00E+00	5.59E-08	1.01E-08	6.38E-08	9.84E-09	9.37E-09	1.49E-07	1.58E-07	5.81E-08	7.91E-08	2.96E-08	1.58E-07	5.81E-08
3581	484363.1	3850377	5.08E-04	4.96E-04	4.89E-04	1.76E-07	5.31E-07	3.08E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.66E-08	1.02E-08	6.46E-08	9.97E-09	9.48E-09	1.51E-07	1.60E-07	5.88E-08	8.01E-08	2.99E-08	1.60E-07	5.88E-08
3582	484863.1	3850377	5.14E-04	5.01E-04	4.95E-04	1.78E-07	5.37E-07	3.11E-07	3.03E-07	2.75E-07	1.25E-07	1.24E-07	0.00E+00	0.00E+00	5.72E-08	1.03E-08	6.53E-08	1.01E-08	9.58E-09	1.52E-07	1.62E-07	5.95E-08	8.09E-08	3.02E-08	1.62E-07	5.95E-08
3583	485363.1	3850377	4.85E-04	4.73E-04	4.67E-04	1.68E-07	5.07E-07	2.93E-07	2.86E-07	2.60E-07	1.18E-07	1.17E-07	0.00E+00	0.00E+00	5.40E-08	9.72E-09	6.17E-08	9.51E-09	9.05E-09	1.44E-07	1.53E-07	5.61E-08	7.64E-08	2.86E-08	1.53E-07	5.61E-08
3584	485863.1	3850377	4.45E-04	4.34E-04	4.29E-04	1.54E-07	4.65E-07	2.69E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.96E-08	8.92E-09	5.66E-08	8.73E-09	8.31E-09	1.32E-07	1.41E-07	5.15E-08	7.01E-08	2.62E-08	1.41E-07	5.15E-08
3585	486363.1	3850377	4.23E-04	4.13E-04	4.07E-04	1.46E-07	4.42E-07	2.56E-07	2.50E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.71E-08	8.48E-09	5.38E-08	8.30E-09	7.90E-09	1.26E-07	1.34E-07	4.90E-08	6.67E-08	2.49E-08	1.34E-07	4.90E-08
3586	486863.1	3850377	4.03E-04	3.94E-04	3.88E-04	1.40E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.85E-08	9.72E-08	0.00E+00	0.00E+00	4.49E-08	8.08E-09	5.13E-08	7.91E-09	7.52E-09	1.20E-07	1.27E-07	4.67E-08	6.35E-08	2.37E-08	1.27E-07	4.67E-08
3587	487363.1	3850377	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.25E-08	9.13E-08	0.00E+00	0.00E+00	4.22E-08	7.59E-09	4.82E-08	7.43E-09	7.07E-09	1.12E-07	1.20E-07	4.38E-08	5.97E-08	2.23E-08	1.20E-07	4.38E-08
3588	487863.1	3850377	3.63E-04	3.54E-04	3.49E-04	1.26E-07	3.79E-07	2.19E-07	2.14E-07	1.94E-07	8.86E-08	8.74E-08	0.00E+00	0.00E+00	4.04E-08	7.27E-09	4.61E-08	7.11E-09	6.77E-09	1.08E-07	1.14E-07	4.20E-08	5.71E-08	2.13E-08	1.14E-07	4.20E-08
3589	488363.1	3850377	3.46E-04	3.38E-04	3.33E-04	1.20E-07	3.62E-07	2.09E-07	2.04E-07	1.85E-07	8.45E-08	8.34E-08	0.00E+00	0.00E+00	3.85E-08	6.93E-09	4.40E-08	6.79E-09	6.46E-09	1.03E-07	1.09E-07	4.01E-08	5.45E-08	2.04E-08	1.09E-07	4.01E-08
3590	488863.1	3850377	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.11E-08	8.00E-08	0.00E+00	0.00E+00	3.69E-08	6.65E-09	4.22E-08	6.51E-09	6.19E-09	9.85E-08	1.05E-07	3.84E-08	5.23E-08	1.95E-08	1.05E-07	3.84E-08
3591	489363.1	3850377	3.17E-04	3.09E-04	3.05E-04	1.10E-07	3.31E-07	1.92E-07	1.87E-07	1.70E-07	7.74E-08	7.64E-08	0.00E+00	0.00E+00	3.53E-08	6.35E-09	4.03E-08	6.22E-09	5.91E-09	9.41E-08	1.00E-07	3.67E-08	4.99E-08	1.87E-08	1.00E-07	3.67E-08
3592	489863.1	3850377	2.99E-04	2.92E-04	2.88E-04	1.04E-07	3.13E-07	1.81E-07	1.77E-07	1.60E-07	7.31E-08	7.21E-08	0.00E+00	0.00E+00	3.33E-08	5.99E-09	3.80E-08	5.87E-09	5.58E-09	8.88E-08	9.44E-08	3.46E-08	4.71E-08	1.76E-08	9.44E-08	3.46E-08
3593	490363.1	3850377	2.84E-04	2.77E-04	2.73E-04	9.82E-08	2.97E-07	1.72E-07	1.68E-07	1.52E-07	6.93E-08	6.84E-08	0.00E+00	0.00E+00	3.16E-08	5.69E-09	3.61E-08	5.57E-09	5.30E-09	8.42E-08	8.96E-08	3.28E-08	4.47E-08	1.67E-08	8.96E-08	3.28E-08
3594	490863.1	3850377	2.71E-04	2.64E-04	2.61E-04	9.38E-08	2.83E-07	1.64E-07	1.60E-07	1.45E-07	6.62E-08	6.53E-08	0.00E+00	0.00E+00	3.02E-08	5.43E-09	3.45E-08	5.31E-09	5.06E-09	8.04E-08	8.55E-08	3.14E-08	4.27E-08	1.59E-08	8.55E-08	3.14E-08
3595	491363.1	3850377	2.58E-04	2.51E-04	2.48E-04	8.92E-08	2.69E-07	1.56E-07	1.52E-07	1.38E-07	6.29E-08	6.21E-08	0.00E+00	0.00E+00	2.87E-08	5.16E-09	3.28E-08	5.05E-09	4.81E-09	7.65E-08	8.13E-08	2.98E-08	4.06E-08	1.52E-08	8.13E-08	2.98E-08
3596	491863.1	3850377	2.40E-04	2.34E-04	2.31E-04	8.32E-08	2.51E-07	1.45E-07	1.42E-07	1.29E-07	5.87E-08	5.79E-08	0.00E+00	0.00E+00	2.67E-08	4.81E-09	3.05E-08	4.71E-09	4.48E-09	7.13E-08	7.58E-08	2.78E-08	3.78E-08	1.41E-08	7.58E-08	2.78E-08
3597	492363.1	3850377	2.24E-04	2.18E-04	2.15E-04	7.74E-08	2.34E-07	1.35E-07	1.32E-07	1.20E-07	5.46E-08	5.39E-08	0.00E+00	0.00E+00	2.49E-08	4.48E-09	2.84E-08	4.39E-09	4.17E-09	6.64E-08	7.06E-08	2.59E-08	3.52E-08	1.32E-08	7.06E-08	2.59E-08
3598	492863.1	3850377	2.12E-04	2.07E-04	2.05E-04	7.35E-08	2.22E-07	1.29E-07	1.25E-07	1.14E-07	5.19E-08	5.12E-08	0.00E+00	0.00E+00	2.36E-08	4.26E-09	2.70E-08	4.17E-09	3.96E-09	6.30E-08	6.70E-08	2.46E-08	3.35E-08	1.25E-08	6.70E-08	2.46E-08
3599	493363.1	3850377	1.99E-04	1.94E-04	1.92E-04	6.89E-08	2.08E-07	1.20E-07	1.18E-07	1.07E-07	4.86E-08	4.80E-08	0.00E+00	0.00E+00	2.22E-08	3.99E-09	2.53E-08	3.91E-09	3.72E-09	5.91E-08	6.29E-08	2.31E-08	3.14E-08	1.17E-08	6.29E-08	2.31E-08
3600	493863.1	3850377	2.02E-04	1.97E-04	1.94E-04	6.98E-08	2.11E-07	1.22E-07	1.19E-07	1.08E-07	4.92E-08	4.86E-08	0.00E+00	0.00E+00	2.24E-08	4.04E-09	2.56E-08	3.95E-09	3.76E-09	5.98E-08	6.36E-08	2.33E-08	3.18E-08	1.19E-08	6.36E-08	2.33E-08
3601	494363.1	3850377	2.01E-04	1.96E-04	1.94E-04	6.97E-08	2.10E-07	1.22E-07	1.19E-07	1.08E-07	4.91E-08	4.85E-08	0.00E+00	0.00E+00	2.24E-08	4.03E-09	2.56E-08	3.95E-09	3.75E-09	5.97E-08	6.35E-08	2.33E-08	3.17E-08	1.18E-08	6.35E-08	2.33E-08
3602	494863.1	3850377	2.06E-04	2.01E-04	1.99E-04	7.14E-08	2.16E-07	1.25E-07	1.22E-07	1.10E-07	5.04E-08	4.97E-08	0.00E+00	0.00E+00	2.30E-08	4.13E-09	2.62E-08	4.04E-09	3.85E-09	6.12E-08	6.51E-08	2.39E-08	3.25E-08	1.21E-08	6.51E-08	2.39E-08
3603	495363.1	3850377	2.12E-04	2.07E-04	2.04E-04	7.34E-08	2.22E-07	1.28E-07	1.25E-07	1.13E-07	5.18E-08	5.11E-08	0.00E+00	0.00E+00	2.36E-08	4.25E-09	2.70E-08	4.16E-09	3.96E-09	6.29E-08	6.69E-08	2.45E-08	3.34E-08	1.25E-08	6.69E-08	2.45E-08
3604	495863.1	3850377	2.02E-04	1.98E-04	1.95E-04	7.01E-08	2.12E-07	1.23E-07	1.20E-07	1.08E-07	4.94E-08	4.88E-08	0.00E+00	0.00E+00	2.25E-08	4.06E-09	2.57E-08	3.97E-09	3.78E-09	6.01E-08	6.39E-08	2.34E-08	3.19E-08	1.19E-08	6.39E-08	2.34E-08
3605	496363.1	3850377	2.08E-04	2.03E-04	2.00E-04	7.20E-08	2.17E-07	1.26E-07	1.23E-07	1.11E-07	5.08E-08	5.01E-08	0.00E+00	0.00E+00	2.31E-08	4.17E-09	2.64E-08	4.08E-09	3.88E-09	6.17E-08	6.56E-08	2.41E-08	3.27E-08	1.22E-08	6.56E-08	2.41E-08
3606	496863.1	3850377	2.12E-04	2.07E-04	2.05E-04	7.35E-08	2.22E-07	1.29E-07	1.25E-07	1.14E-07	5.19E-08	5.12E-08	0.00E+00	0.00E+00	2.36E-08	4.26E-09	2.70E-08	4.17E-09	3.96E-09	6.30E-08	6.70E-08	2.46E-08	3.35E-08	1.25E-08	6.70E-08	2.46E-08
3607	497363.1	3850377	2.12E-04	2.06E-04	2.04E-04	7.32E-08	2.21E-07	1.28E-07	1.25E-07	1.13E-07	5.17E-08	5.10E-08	0.00E+00	0.00E+00	2.36E-08	4.24E-09	2.69E-08	4.15E-09	3.95E-09	6.28E-08	6.68E-08	2.45E-08	3.33E-08	1.25E-08	6.68E-08	2.45E-08
3608	497863.1	3850377	2.07E-04	2.02E-04	1.99E-04	7.15E-08	2.16E-07	1.25E-07	1.22E-07	1.11E-07	5.05E-08	4.98E-08	0.00E+00	0.00E+00	2.30E-08	4.14E-09	2.63E-08	4.05E-09	3.86E-09	6.13E-08	6.52E-08	2.39E-08	3.25E-08	1.22E-08	6.52E-08	2.39E-08
3609	498363.1	3850377	2.02E-04	1.97E-04	1.95E-04	6.99E-08	2.11E-07	1.22E-07	1.19E-07	1.08E-07	4.93E-08	4.87E-08	0.00E+00	0.00E+00	2.25E-08	4.05E-09	2.57E-08	3.96E-09	3.77E-09	6.00E-08	6.38E-08	2.34E-08	3.18E-08	1.19E-08	6.38E-08	2.34E-08
3610	471363.1	3850877	1.66E-04	1.62E-04	1.60E-04	5.76E-08	1.74E-07	1.01E-07	9.82E-08	8.90E-08	4.06E-08	4.01E-08	0.00E+00	0.00E+00	1.85E-08	3.33E-09	2.12E-08	3.26E-09	3.10E-09	4.94E-08	5.25E-08	1.93E-08	2.62E-08	9.79E-09	5.25E-08	1.93E-08
3611	471863.1	3850877	1.85E-04	1.81E-04	1.78E-04	6.41E-08	1.93E-07	1.12E-07	1.09E-07	9.90E-08	4.52E-08	4.46E-08	0.00E+00	0.00E+00	2.06E-08	3.71E-09	2.35E-08	3.63E-09	3.45E-09	5.49E-08	5.84E-08	2.14E-08	2.91E-08	1.09E-08	5.84E-08	2.14E-08
3612	472363.1	3850877	2.11E-04	2.06E-04	2.03E-04	7.30E-08	2.20E-07	1.28E-07	1.24E-07	1.13E-07	5.15E-08	5.08E-08	0.00E+00	0.00E+00	2.35E-08	4.22E-09	2.68E-08	4.13E-09	3.93E-09	6.26E-08	6.65E-08	2.44E-08	3.32E-08	1.24E-08	6.65E-08	2.44E-08

3613	472863.1	3850877	2.37E-04	2.32E-04	2.28E-04	8.21E-08	2.48E-07	1.44E-07	1.40E-07	1.27E-07	5.80E-08	5.72E-08	0.00E+00	0.00E+00	2.64E-08	4.76E-09	3.02E-08	4.65E-09	4.43E-09	7.04E-08	7.49E-08	2.75E-08	3.74E-08	1.40E-08	7.49E-08	2.75E-08
3614	473363.1	3850877	2.44E-04	2.38E-04	2.34E-04	8.43E-08	2.55E-07	1.47E-07	1.44E-07	1.30E-07	5.95E-08	5.87E-08	0.00E+00	0.00E+00	2.71E-08	4.88E-09	3.10E-08	4.78E-09	4.54E-09	7.23E-08	7.69E-08	2.82E-08	3.84E-08	1.43E-08	7.69E-08	2.82E-08
3615	473863.1	3850877	2.77E-04	2.70E-04	2.66E-04	9.58E-08	2.89E-07	1.67E-07	1.63E-07	1.48E-07	6.76E-08	6.67E-08	0.00E+00	0.00E+00	3.08E-08	5.55E-09	3.52E-08	5.43E-09	5.16E-09	8.21E-08	8.73E-08	3.20E-08	4.36E-08	1.63E-08	8.73E-08	3.20E-08
3616	474363.1	3850877	3.05E-04	2.98E-04	2.94E-04	1.06E-07	3.19E-07	1.85E-07	1.80E-07	1.63E-07	7.45E-08	7.35E-08	0.00E+00	0.00E+00	3.39E-08	6.11E-09	3.88E-08	5.98E-09	5.69E-09	9.05E-08	9.62E-08	3.53E-08	4.80E-08	1.80E-08	9.62E-08	3.53E-08
3617	474863.1	3850877	3.33E-04	3.25E-04	3.21E-04	1.15E-07	3.48E-07	2.02E-07	1.97E-07	1.78E-07	8.14E-08	8.03E-08	0.00E+00	0.00E+00	3.71E-08	6.68E-09	4.24E-08	6.53E-09	6.22E-09	9.89E-08	1.05E-07	3.86E-08	5.25E-08	1.96E-08	1.05E-07	3.86E-08
3618	475363.1	3850877	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	0.00E+00	0.00E+00	4.05E-08	7.30E-09	4.63E-08	7.14E-09	6.80E-09	1.08E-07	1.15E-07	4.22E-08	5.74E-08	2.14E-08	1.15E-07	4.22E-08
3619	475863.1	3850877	4.02E-04	3.92E-04	3.87E-04	1.39E-07	4.20E-07	2.43E-07	2.37E-07	2.15E-07	9.82E-08	9.69E-08	0.00E+00	0.00E+00	4.48E-08	8.06E-09	5.11E-08	7.88E-09	7.50E-09	1.19E-07	1.27E-07	4.65E-08	6.33E-08	2.37E-08	1.27E-07	4.65E-08
3620	476363.1	3850877	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.02E-08	9.04E-09	5.74E-08	8.84E-09	8.41E-09	1.34E-07	1.42E-07	5.22E-08	7.10E-08	2.65E-08	1.42E-07	5.22E-08
3621	476863.1	3850877	5.06E-04	4.94E-04	4.87E-04	1.75E-07	5.29E-07	3.06E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.63E-08	1.01E-08	6.44E-08	9.93E-09	9.44E-09	1.50E-07	1.60E-07	5.86E-08	7.97E-08	2.98E-08	1.60E-07	5.86E-08
3622	477363.1	3850877	5.85E-04	5.71E-04	5.64E-04	2.03E-07	6.12E-07	3.54E-07	3.46E-07	3.13E-07	1.43E-07	1.41E-07	0.00E+00	0.00E+00	6.52E-08	1.17E-08	7.44E-08	1.15E-08	1.09E-08	1.74E-07	1.85E-07	6.78E-08	9.22E-08	3.45E-08	1.85E-07	6.78E-08
3623	477863.1	3850877	7.06E-04	6.89E-04	6.79E-04	2.44E-07	7.38E-07	4.27E-07	4.17E-07	3.78E-07	1.72E-07	1.70E-07	0.00E+00	0.00E+00	7.86E-08	1.41E-08	8.97E-08	1.38E-08	1.32E-08	2.09E-07	2.23E-07	8.17E-08	1.11E-07	4.15E-08	2.23E-07	8.17E-08
3624	478363.1	3850877	9.23E-04	9.01E-04	8.89E-04	3.20E-07	9.65E-07	5.59E-07	5.45E-07	4.94E-07	2.25E-07	2.22E-07	0.00E+00	0.00E+00	1.03E-07	1.85E-08	1.17E-07	1.81E-08	1.72E-08	2.74E-07	2.91E-07	1.07E-07	1.45E-07	5.43E-08	2.91E-07	1.07E-07
3625	478863.1	3850877	1.36E-03	1.33E-03	1.31E-03	4.70E-07	1.42E-06	8.22E-07	8.02E-07	7.27E-07	3.32E-07	3.27E-07	0.00E+00	0.00E+00	1.51E-07	2.72E-08	1.73E-07	2.66E-08	2.53E-08	4.03E-07	4.29E-07	1.57E-07	2.14E-07	8.00E-08	4.29E-07	1.57E-07
3626	479363.1	3850877	3.01E-03	2.93E-03	2.89E-03	1.04E-06	3.14E-06	1.82E-06	1.77E-06	1.61E-06	7.34E-07	7.24E-07	0.00E+00	0.00E+00	3.35E-07	6.02E-08	3.82E-07	5.90E-08	5.61E-08	8.92E-07	9.49E-07	3.48E-07	4.74E-07	1.77E-07	9.49E-07	3.48E-07
3627	479863.1	3850877	2.27E-02	2.21E-02	2.18E-02	7.85E-06	2.37E-05	1.37E-05	1.34E-05	1.21E-05	5.54E-06	5.47E-06	0.00E+00	0.00E+00	2.52E-06	4.55E-07	2.88E-06	4.45E-07	4.23E-07	6.73E-06	7.16E-06	2.63E-06	3.57E-06	1.34E-06	7.16E-06	2.63E-06
3628	480363.1	3850877	4.99E-03	4.87E-03	4.80E-03	1.73E-06	5.21E-06	3.02E-06	2.94E-06	2.67E-06	1.22E-06	1.20E-06	0.00E+00	0.00E+00	5.55E-07	9.99E-08	6.34E-07	9.78E-08	9.31E-08	1.48E-06	1.57E-06	5.77E-07	7.86E-07	2.94E-07	1.57E-06	5.77E-07
3629	480863.1	3850877	2.74E-03	2.67E-03	2.64E-03	9.49E-07	2.87E-06	1.66E-06	1.62E-06	1.47E-06	6.69E-07	6.61E-07	0.00E+00	0.00E+00	3.05E-07	5.49E-08	3.49E-07	5.38E-08	5.11E-08	8.14E-07	8.65E-07	3.17E-07	4.32E-07	1.61E-07	8.65E-07	3.17E-07
3630	481363.1	3850877	1.86E-03	1.82E-03	1.79E-03	6.45E-07	1.95E-06	1.13E-06	1.10E-06	9.97E-07	4.55E-07	4.49E-07	0.00E+00	0.00E+00	2.07E-07	3.73E-08	2.37E-07	3.65E-08	3.48E-08	5.53E-07	5.88E-07	2.16E-07	2.94E-07	1.10E-07	5.88E-07	2.16E-07
3631	481863.1	3850877	1.34E-03	1.31E-03	1.29E-03	4.64E-07	1.40E-06	8.11E-07	7.91E-07	7.17E-07	3.27E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.69E-08	1.70E-07	2.63E-08	2.50E-08	3.98E-07	4.23E-07	1.55E-07	2.11E-07	7.89E-08	4.23E-07	1.55E-07
3632	482363.1	3850877	9.88E-04	9.64E-04	9.51E-04	3.42E-07	1.03E-06	5.98E-07	5.83E-07	5.29E-07	2.41E-07	2.38E-07	0.00E+00	0.00E+00	1.10E-07	1.98E-08	1.26E-07	1.94E-08	1.84E-08	2.93E-07	3.12E-07	1.14E-07	1.56E-07	5.82E-08	3.12E-07	1.14E-07
3633	482863.1	3850877	7.99E-04	7.79E-04	7.69E-04	2.76E-07	8.35E-07	4.83E-07	4.72E-07	4.27E-07	1.95E-07	1.92E-07	0.00E+00	0.00E+00	8.89E-08	1.60E-08	1.02E-07	1.57E-08	1.49E-08	2.37E-07	2.52E-07	9.24E-08	1.26E-07	4.70E-08	2.52E-07	9.24E-08
3634	483363.1	3850877	6.55E-04	6.39E-04	6.31E-04	2.27E-07	6.85E-07	3.96E-07	3.87E-07	3.51E-07	1.60E-07	1.58E-07	0.00E+00	0.00E+00	7.29E-08	1.31E-08	8.33E-08	1.28E-08	1.22E-08	1.94E-07	2.07E-07	7.58E-08	1.03E-07	3.86E-08	2.07E-07	7.58E-08
3635	483863.1	3850877	5.97E-04	5.82E-04	5.74E-04	2.07E-07	6.24E-07	3.61E-07	3.52E-07	3.19E-07	1.46E-07	1.44E-07	0.00E+00	0.00E+00	6.64E-08	1.20E-08	7.59E-08	1.17E-08	1.11E-08	1.77E-07	1.88E-07	6.91E-08	9.40E-08	3.51E-08	1.88E-07	6.91E-08
3636	484363.1	3850877	5.87E-04	5.72E-04	5.65E-04	2.03E-07	6.13E-07	3.55E-07	3.46E-07	3.14E-07	1.43E-07	1.41E-07	0.00E+00	0.00E+00	6.53E-08	1.18E-08	7.46E-08	1.15E-08	1.09E-08	1.74E-07	1.85E-07	6.79E-08	9.24E-08	3.45E-08	1.85E-07	6.79E-08
3637	484863.1	3850877	5.48E-04	5.35E-04	5.28E-04	1.90E-07	5.73E-07	3.32E-07	3.24E-07	2.94E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.11E-08	1.10E-08	6.97E-08	1.08E-08	1.02E-08	1.63E-07	1.73E-07	6.35E-08	8.64E-08	3.23E-08	1.73E-07	6.35E-08
3638	485363.1	3850877	5.23E-04	5.10E-04	5.03E-04	1.81E-07	5.46E-07	3.16E-07	3.09E-07	2.80E-07	1.28E-07	1.26E-07	0.00E+00	0.00E+00	5.82E-08	1.05E-08	6.65E-08	1.03E-08	9.75E-09	1.55E-07	1.65E-07	6.05E-08	8.24E-08	3.08E-08	1.65E-07	6.05E-08
3639	485863.1	3850877	4.71E-04	4.60E-04	4.54E-04	1.63E-07	4.93E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.14E-07	0.00E+00	0.00E+00	5.25E-08	9.45E-09	5.99E-08	9.24E-09	8.79E-09	1.40E-07	1.49E-07	5.46E-08	7.42E-08	2.77E-08	1.49E-07	5.46E-08
3640	486363.1	3850877	4.54E-04	4.43E-04	4.37E-04	1.57E-07	4.75E-07	2.75E-07	2.68E-07	2.43E-07	1.11E-07	1.09E-07	0.00E+00	0.00E+00	5.06E-08	9.10E-09	5.78E-08	8.91E-09	8.48E-09	1.35E-07	1.43E-07	5.26E-08	7.16E-08	2.67E-08	1.43E-07	5.26E-08
3641	486863.1	3850877	4.29E-04	4.19E-04	4.13E-04	1.48E-07	4.48E-07	2.60E-07	2.53E-07	2.30E-07	1.05E-07	1.03E-07	0.00E+00	0.00E+00	4.78E-08	8.60E-09	5.46E-08	8.41E-09	8.00E-09	1.27E-07	1.35E-07	4.97E-08	6.76E-08	2.53E-08	1.35E-07	4.97E-08
3642	487363.1	3850877	4.01E-04	3.91E-04	3.86E-04	1.39E-07	4.19E-07	2.42E-07	2.37E-07	2.15E-07	9.79E-08	9.66E-08	0.00E+00	0.00E+00	4.46E-08	8.03E-09	5.10E-08	7.86E-09	7.48E-09	1.19E-07	1.26E-07	4.64E-08	6.31E-08	2.36E-08	1.26E-07	4.64E-08
3643	487863.1	3850877	3.81E-04	3.72E-04	3.67E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.30E-08	9.18E-08	0.00E+00	0.00E+00	4.24E-08	7.63E-09	4.84E-08	7.47E-09	7.11E-09	1.13E-07	1.20E-07	4.41E-08	6.00E-08	2.24E-08	1.20E-07	4.41E-08
3644	488363.1	3850877	3.64E-04	3.55E-04	3.50E-04	1.26E-07	3.80E-07	2.20E-07	2.15E-07	1.95E-07	8.89E-08	8.77E-08	0.00E+00	0.00E+00	4.05E-08	7.29E-09	4.63E-08	7.14E-09	6.79E-09	1.08E-07	1.15E-07	4.21E-08	5.73E-08	2.14E-08	1.15E-07	4.21E-08
3645	488863.1	3850877	3.46E-04	3.38E-04	3.33E-04	1.20E-07	3.62E-07	2.09E-07	2.04E-07	1.85E-07	8.45E-08	8.34E-08	0.00E+00	0.00E+00	3.85E-08	6.93E-09	4.40E-08	6.79E-09	6.46E-09	1.03E-07	1.09E-07	4.01E-08	5.45E-08	2.04E-08	1.09E-07	4.01E-08
3646	489363.1	3850877	3.31E-04	3.23E-04	3.19E-04	1.15E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.09E-08	7.98E-08	0.00E+00	0.00E+00	3.69E-08	6.64E-09	4.21E-08	6.49E-09	6.18E-09	9.83E-08	1.04E-07	3.83E-08	5.22E-08	1.95E-08	1.04E-07	3.83E-08
3647	489863.1	3850877	3.14E-04	3.06E-04	3.02E-04	1.09E-07	3.28E-07	1.90E-07	1.85E-07	1.68E-07	7.67E-08	7.57E-08	0.00E+00	0.00E+00	3.50E-08	6.29E-09	3.99E-08	6.16E-09	5.86E-09	9.32E-08	9.91E-08	3.64E-08	4.95E-08	1.85E-08	9.91E-08	3.64E-08
3648	490363.1	3850877	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.82E-07	1.77E-07	1.61E-07	7.34E-08	7.24E-08	0.00E+00	0.00E+00	3.34E-08	6.02E-09	3.82E-08	5.89E-09	5.60E-09	8.91E-08	9.48E-08	3.48E-08	4.73E-08	1.77E-08	9.48E-08	3.48E-08
3649	490863.1	3850877	2.87E-04	2.80E-04	2.76E-04	9.92E-08	3.00E-07	1.73E-07	1.69E-07	1.53E-07	7.00E-08	6.91E-08	0.00E+00	0.00E+00	3.19E-08	5.75E-09	3.65E-08	5.62E-09	5.35E-09	8.51E-08	9.05E-08	3.32E-08	4.52E-08	1.69E-08	9.05E-08	3.32E-08
3650	491363.1	3850877	2.71E-04	2.64E-04	2.60E-04	9.36E-08	2.83E-07	1.64E-07	1.60E-07	1.45E-07	6.61E-08	6.52E-08	0.00E+00	0.00E+00	3.01E-08	5.42E-09	3.44E-08	5.30E-09	5.05E-09	8.03E-08	8.54E-08	3.13E-08	4.26E-08	1.59E-08	8.54E-08	3.13E-08
3651	491863.1	3850877	2.54E-04	2.48E-04	2.44E-04	8.79E-08	2.65E-07	1.54E-07	1.50E-07	1.36E-07	6.20E-08	6.12E-08	0.00E+00	0.00E+00	2.83E-08	5.09E-09	3.23E-08	4.98E-09	4.74E-09	7.54E-08	8.01E-08	2.94E-08	4.00E-08	1.49E-08	8.01E-08	2.94E-08
3652	492363.1	3850877	2.39E-04	2.33E-04	2.30E-04	8.27E-08	2.50E-07	1.45E-07	1.41E-07	1.28E-07	5.84E-08	5.76E-08	0.00E+00	0.00E+00	2.66E-08	4.79E-09	3.04E-08	4.69E-09	4.46E-09	7.09E-08	7.54E-08	2.77E-08	3.76E-08	1.41E-08	7.54E-08	2.77E-08
3653	492863.1	3850877	2.28E-04	2.22E-04	2.19E-04	7.88E-08	2.38E-07	1.38E-07	1.34E-07	1.22E-07	5.56E-08	5.49E-08	0.00E+00	0.00E+00	2.54E-08	4.56E-09	2.90E-08	4.47E-09	4.25E-09	6.76E-08	7.19E-08	2.64E-08	3.59E-08	1.34E-08	7.19E-08	2.64E-08
3654	493363.1	3850877	2.20E-04	2.15E-04	2.12E-04	7.63E-08	2.30E-07	1.33E-07	1.30E-07	1.18E-07	5.38E-08	5.31E-08	0.00E+00	0.00E+00	2.45E-08	4.42E-09	2.80E-08	4.32E-09	4.11E-09	6.54E-08	6.95E-08	2.55E-08	3.47E-08	1.30E-08	6.95E-08	2.55E-08
3655	493863.1	3850877	2.22E-04	2.17E-04	2.14E-04	7.70E-08	2.32E-07	1.35E-07	1.31E-07	1.19E-07	5.43E-08	5.36E-08	0.00E+00	0.00E+00	2.48E-08	4.46E-09	2.83E-08	4.36E-09	4.15E-09	6.60E-08	7.02E-08	2.57E-08	3.50E-08	1.31E-08	7.02E-08	2.57E-08
3656	494363.1	3850877	2.19E-04	2.14E-04	2.11E-04	7.58E-08	2.29E-07	1.33E-07	1.29E-07	1.17E-07	5.35E-08	5.28E-08	0.00E+00	0.00E+00	2.44E-08	4.39E-09	2.79E-08	4.30E-09	4.09E-09	6.50E-08	6.91E-08	2.54E-08	3.45E-08	1.29E-08	6.91E-08	2.54E-08
3657	494863.1	3850877	2.22E-04	2.17E-04	2.14E-04	7.68E-08	2.32E-07	1.34E-07	1.31E-07	1.19E-07	5.42E-08	5.35E-08	0.00E+00	0.00E+00	2.47E-08	4.45E-09	2.82E-08	4.35E-09	4.14E-09	6.59E-08	7.01E-08	2.57E-08	3.50E-08	1.31E-08	7.01E-08	2.57E-08
3658	495363.1	3850877	2.26E-04	2.21E-04	2.18E-04	7.83E-08	2.36E-07	1.37E-07	1.34E-07	1.21E-07	5.52E-08	5.45E-08	0.00E+00	0.00E+00	2.52E-08	4.53E-09	2.88E-08	4.43E-09	4.22E-09	6.71E-08	7.14E-08	2.62E-08	3.56E-08	1.33E-08	7.14E-08	2.62E-08
3659	495863.1	3850877	2.22E-04	2.17E-04	2.14E-04	7.68E-08	2.32E-07	1.34E-07	1.31E-07	1.19E-07	5.42E-08	5.35E-08	0.00E+00	0.00E+00	2.47E-08	4.45E-09	2.82E-08	4.35E-09	4.14E-09	6.59E-08	7.01E-08	2.57E-08	3.50E-08	1.31E-08	7.01E-08	2.57E-08
3660	496363.1	3850877	2.21E-04	2.16E-04	2.13E-04	7.65E-08	2.31E-07	1.34E-07	1.31E-07	1.18E-07	5.40E-08	5.33E-08	0.00E+00	0.00E+00	2.46E-08	4.43E-09	2.81E-08	4.34E-09	4.13E-09	6.56E-08	6.98E-08	2.56E-08	3.48E-08	1.30E-08	6.98E-08	2.56E-08
3661	496863.1	3850877	2.24E-04	2.19E-04	2.16E-04	7.76E-08	2.34E-07	1.36E-07	1.32E-07	1.20E-07	5.47E-08	5.40E-08	0.00E+00	0.00E+00	2.49E-08	4.49E-09	2.85E-08	4.39E-09	4.18E-09	6.65E-08	7.07E-08	2.59E-08	3.53E-08	1.32E-08	7.07E-08	2.59E-08
3662	497363.1	3850877	2.19E-04	2.14E-04	2.11E-04	7.60E-08	2.29E-07	1.33E-07	1.30E-07	1.17E-07	5.36E-08	5.29E-08	0.00E+00	0.00E+00	2.44E-08	4.40E-09	2.79E-08	4.30E-09	4.10E-09	6.51E-08	6.93E-08	2.54E-08	3.46E-08	1.29E-08	6.93E-08	2.54E-08
3663	497863.1	3850877	2.13E-04	2.08E-04	2.05E-04	7.38E-08	2.23E-07	1.29E-07	1.26E-07	1.14E-07	5.21E-08	5.14E-08	0.00E+00	0.00E+00	2.37E-08	4.27E-09	2.71E-08	4.18E-09	3.98E-09	6.33E-08	6.73E-08	2.47E-08	3.36E-08	1.26E-08	6.73E-08	2.47E-08
3664	498363.1	3850877	2.07E-04	2.02E-04	1.99E-04	7.17E-08	2.16E-07	1.25E-07	1.22E-07	1.11E-07	5.06E-08	4.99E-08	0.00E+00	0.00E+00	2.30E-08	4.15E-09	2.63E-08	4.06E-09	3.86E-09	6.14E-08	6.53E-08	2.40E-08	3.26E-08	1.22E-08	6.53E-08	2.40E-08
3665	471363.1	3851377	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	0.00E+00	0.00E+00	1.80E-08	3.24E-09	2.06E-08	3.17E-09	3.02E-09	4.80E-08	5.11E-08	1.87E-08	2.55E-08	9.53E-09	5.11E-08	1.87E-08
3666	471863.1	3851377	1.88E-04	1.83E-04	1.81E-04	6.51E-08	1.96E-07	1.14E-07	1.11E-07	1.01E-07	4.59E-08	4.53E-08	0.00E+00	0.00E+00	2.09E-08	3.77E-09	2.39E-08	3.69E-09	3.51E-09	5.58E-08	5.93E-08	2.18E-08	2.96E-08	1.11E-08	5.93E-08	2.18E-08
3667	472363.1	3851377	1.94E-04	1.89E-04	1.87E-04	6.72E-08	2.03E-07	1.17E-07	1.15E-07	1.04E-07	4.74E-08	4.68E-08	0.00E+00	0.00E+00	2.16E-08	3.89E-09	2.47E-08	3.81E-09	3.62E-09	5.76E-08	6.13E-08	2.25E-08	3.06E-08	1.14E-08	6.13E-08	2.25E-08
3668	472863.1	3851377	2.02E-04	1.98E-04	1.95E-04	7.01E-08	2.12E-07	1.23E-07	1.20E-07	1.08E-07	4.94E-08	4.88E-08	0.00E+00	0.00E+00	2.25E-08	4.06E-09	2.57E-08	3.97E-09	3.78E-09	6.01E-08	6.39E-08	2.34E-08	3.19E-08	1.19E-08	6.39E-08	2.34E-08
3669	473363.1	3851377	1.95E-04	1.90E-04	1.88E-04	6.75E-08	2.04E-07	1.18E-07	1.15E-07	1.04E-07	4.76E-08	4.70E-08	0.00E+00	0.00E+00	2.17E-08	3.91E-09	2.48E-08	3.82E-09	3.64E-09	5.79E-08	6.15E-08	2.26E-08	3.07E-08	1.15E-08	6.15E-08	2.26E-08
3670	473863.1	3851377	2.09E-04	2.04E-04	2.01E-04	7.22E-08	2.18E-07	1.26E-07	1.23E-07	1.12E-07	5.10E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.18E-09	2.65E-08	4.09E-09	3.89E-09	6.19E-08	6.59E-08	2.42E-08	3.29E-08	1.23E-08	6.59E-08	2.42E-08
3671	474363.1	3851377	2.49E-04	2.43E-04	2.39E-04	8.60E-08	2.60E-07	1.50E-07	1.47E-07	1.33E-07	6.07E-08	5.99E-08	0.00E+00	0.00E+00	2.77E-08	4.98E-09	3.16E-08	4.87E-09	4.64E-09	7.38E-08	7.84E-08	2.88E-08	3.91E-08	1.46E-08	7.84E-08	2.88E-08
3672	474863.1	3851377	2.83E-04	2.77E-04	2.73E-04	9.81E-08	2.96E-07	1.71E-07	1.67E-07	1.52E-07	6.92E-08	6.83E-08	0.00E+00	0.00E+00	3.15E-08	5.68E-09	3.60E-08	5.56E-09	5.29E-09	8.41E-08	8.94E-08	3.28E-08	4.46E-08	1.67E-08	8.94E-08	3.28E-08
3673	475363.1	3851377	3.11E-04	3.03E-04	2.99E-04	1.08E-07	3.25E-07	1.88E-07	1.83E-07	1.66E-07	7.59E-08	7.49E-08	0.00E+00	0.00E+00	3.46E-08	6.23E-09	3.95E-08	6.09E-09	5.80E-09	9.22E-08	9.81E-08	3.60E-08	4.90E-08	1.83E-08	9.81E-08	3.60E-08
3674	475863.1	3851377	3.37E-04	3.29E-04	3.24E-04	1.17E-07	3.52E-07	2.04E-07	1.99E-07	1.80E-07	8.23E-08	8.12E-08	0.00E+00	0.00E+00	3.75E-08	6.75E-09	4.28E-08	6.61E-09	6.29E-09	1.00E-07	1.06E-07	3.90E-08	5.31E-08	1.98E-08	1.06E-07	3.90E-08
3675	476363.1	3851377	3.69E-04	3.60E-04	3.55E-04	1.28E-07	3.85E-07	2.23E-07	2.18E-07	1.97E-07	9.01E-08	8.89E-08	0.00E+00	0.00E+00	4.11E-08	7.39E-09	4.69E-08	7.23E-09	6.88E-09	1.09E-07	1.16E-07	4.27E-08	5.81E-08	2.17E-08	1.16E-07	4.27E-08
3676	476863.1	3851377	4.05E-04	3.95E-04	3.89E-04	1.40E-07	4.23E-07	2.45E-07	2.39E-07	2.17E-07	9.88E-08	9.75E-08	0.00E+00	0.00E+00	4.50E-08	8.11E-09	5.14E-08	7.93E-09	7.55E-09	1.20E-07	1.28E-07	4.68E-08	6.37E-08	2.38E-08	1.28E-07	4.68E-08
3677	477363.1	3851377	4.45E-04	4.34E-04	4.29E-04	1.54E-07	4.65E-07	2.69E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.96E-08	8.92E-09	5.66E-08	8.73E-09	8.31E-09	1.32E-07	1.41E-07	5.15E-08	7.01E-08	2.62E-08	1.41E-07	5.15E-08
3678	477863.1	3851377	5.03E-04	4.91E-04	4.85E-04	1.74E-07	5.26E-07	3.04E-07	2.97E-07	2.69E-07	1.23E-07	1.21E-07	0.00E+00	0.00E+00	5.60E-08	1.01E-08	6.40E-08	9.87E-09	9.39E-09	1.49E-07	1.59E-07	5.83E-08	7.93E-08	2.96E-08	1.59E-07	5.83E-08
3679	478363.1	3851377	5.83E-04	5.69E-04	5.62E-04	2.02E-07	6.10E-07	3.53E-07	3.44E-07	3.12E-07	1.42E-07	1.41E-07	0.00E+00	0.00E+00	6.49E-08	1.17E-08	7.42E-08	1.14E-08	1.09E-08	1.73E-07	1.84E-07	6.75E-08	9.19E-08	3.43E-08	1.84E-07	6.75E-08
3680	478863.1	3851377	7.05E-04	6.88E-04	6.79E-04	2.44E-07	7.37E-07	4.27E-07	4.16E-07	3.77E-07	1.72E-07	1.70E-07	0.00E+00	0.00E+00	7.85E-08	1.41E-08	8.97E-08	1.38E-08	1.32E-08	2.09E-07	2.23E-07	8.16E-08	1.11E-07	4.15E-08	2.23E-07	8.16E-08
3681	479363.1	3851377	9.11E-04	8.89E-04	8.77E-04	3.15E-07	9.52E-07	5.51E-07	5.38E-07	4.87E-07	2.22E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.83E-08	1.16E-07	1.79E-08	1.70E-08	2.70E-07	2.87E-07	1.05E-07	1.43E-07	5.36E-08	2.87E-07	1.05E-07
3682	479863.1	3851377	1.34E-03	1.30E-03	1.29E-03	4.62E-07	1.40E-06	8.08E-07	7.88E-07	7.15E-07	3.26E-07	3.22E-07	0.00E+00	0.00E+00	1.49E-07	2.68E-08	1.70E-07	2.62E-08	2.49E-08	3.96E-07	4.21E-07	1.55E-07	2.10E-07	7.86E-08	4.21E-07	1.55E-07
3683	480363.1	3851377	2.90E-03	2.83E-03	2.79E-03	1.00E-06	3.03E-06	1.75E-06	1.71E-06	1.55E-06	7.08E-07	6.98E-07	0.00E+00	0.00E+00	3.22E-07	5.81E-08	3.68E-07	5.68E-08	5.41E-08	8.60E-07	9.14E-07	3.35E-07	4.56E-07	1.71E-07	9.14E-07	3.35E-07
3684	480863.1	3851377	2.56E-02	2.50E-02	2.47E-02	8.87E-06	2.68E-05	1.55E-05	1.51E-05	1.37E-05	6.25E-06	6.17E-06	0.00E+00	0.00E+00	2.85E-06	5.13E-07	3.26E-06	5.02E-07	4.78E-07	7.60E-06	8.08E-06	2.96E-06	4.03E-06	1.51E-06	8.08E-06	2.96E-06
3685	481363.1	3851377	4.67E-03	4.56E-03	4.49E-03	1.62E-06	4.88E-06	2.82E-06	2.76E-06	2.50E-06	1.14E-06	1.12E-06	0.00E+00	0.00E+00	5.20E-07	9.36E-08	5.94E-07	9.15E-08	8.71E-08	1.39E-06	1.47E-06	5.40E-07	7.35E-07	2.75E-07	1.47E-06	5.40E-07
3686	481863.1	3851377	2.26E-03	2.20E-03	2.17E-03	7.81E-07	2.36E-06	1.36E-06	1.33E-06	1.21E-06	5.51E-07	5.43E-07	0.00E+00	0.00E+00	2.51E-07	4.52E-08	2.87E-07	4.42E-08	4.21E-08	6.69E-07	7.12E-07	2.61E-07	3.55E-07	1.33E-07	7.12E-07	2.61E-07
3687	482363.1	3851377	1.47E-03	1.44E-03	1.42E-03	5.09E-07	1.54E-06	8.90E-07	8.69E-07	7.88E-07	3.59E-07	3.55E-07	0.00E+00	0.00E+00	1.64E-07	2.95E-08	1.87E-07	2.89E-08	2.75E-08	4.37E-07	4.64E-07	1.70E-07	2.32E-07	8.66E-08	4.64E-07	1.70E-07
3688	482863.1	3851377	1.02E-03	9.93E-04	9.80E-04	3.52E-07	1.06E-06	6.16E-07	6.01E-07	5.45E-07	2.49E-07	2.45E-07	0.00E+00	0.00E+00	1.13E-07	2.04E-08	1.29E-07	2.00E-08	1.90E-08	3.02E-07	3.21E-07	1.18E-07	1.60E-07	5.99E-08	3.21E-07	1.18E-07
3689	483363.1	3851377	7.79E-04	7.60E-04	7.50E-04	2.70E-07	8.14E-07	4.71E-07	4.60E-07	4.17E-07	1.90E-07	1.88E-07	0.00E+00	0.00E+00	8.67E-08	1.56E-08	9.91E-08	1.53E-08	1.45E-08	2.31E-07	2.46E-07	9.02E-08	1.23E-07	4.59E-08	2.46E-07	9.02E-08

3690	483863.1	3851377	6.66E-04	6.50E-04	6.41E-04	2.31E-07	6.96E-07	4.03E-07	3.93E-07	3.56E-07	1.63E-07	1.60E-07	0.00E+00	0.00E+00	7.41E-08	1.33E-08	8.47E-08	1.31E-08	1.24E-08	1.98E-07	2.10E-07	7.71E-08	1.05E-07	3.92E-08	2.10E-07	7.71E-08
3691	484363.1	3851377	6.62E-04	6.46E-04	6.37E-04	2.29E-07	6.92E-07	4.00E-07	3.91E-07	3.54E-07	1.62E-07	1.59E-07	0.00E+00	0.00E+00	7.37E-08	1.33E-08	8.42E-08	1.30E-08	1.23E-08	1.96E-07	2.09E-07	7.66E-08	1.04E-07	3.90E-08	2.09E-07	7.66E-08
3692	484863.1	3851377	5.51E-04	5.38E-04	5.30E-04	1.91E-07	5.76E-07	3.33E-07	3.25E-07	2.95E-07	1.35E-07	1.33E-07	0.00E+00	0.00E+00	6.13E-08	1.10E-08	7.01E-08	1.08E-08	1.03E-08	1.64E-07	1.74E-07	6.38E-08	8.68E-08	3.24E-08	1.74E-07	6.38E-08
3693	485363.1	3851377	5.63E-04	5.49E-04	5.42E-04	1.95E-07	5.88E-07	3.40E-07	3.32E-07	3.01E-07	1.37E-07	1.36E-07	0.00E+00	0.00E+00	6.26E-08	1.13E-08	7.15E-08	1.10E-08	1.05E-08	1.67E-07	1.78E-07	6.51E-08	8.86E-08	3.31E-08	1.78E-07	6.51E-08
3694	485863.1	3851377	5.00E-04	4.88E-04	4.81E-04	1.73E-07	5.23E-07	3.02E-07	2.95E-07	2.68E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.56E-08	1.00E-08	6.36E-08	9.80E-09	9.33E-09	1.48E-07	1.58E-07	5.79E-08	7.88E-08	2.94E-08	1.58E-07	5.79E-08
3695	486363.1	3851377	4.84E-04	4.72E-04	4.66E-04	1.68E-07	5.06E-07	2.93E-07	2.86E-07	2.59E-07	1.18E-07	1.17E-07	0.00E+00	0.00E+00	5.39E-08	9.70E-09	6.16E-08	9.49E-09	9.03E-09	1.44E-07	1.53E-07	5.60E-08	7.63E-08	2.85E-08	1.53E-07	5.60E-08
3696	486863.1	3851377	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.02E-08	9.03E-09	5.73E-08	8.84E-09	8.41E-09	1.34E-07	1.42E-07	5.22E-08	7.10E-08	2.65E-08	1.42E-07	5.22E-08
3697	487363.1	3851377	4.05E-04	3.96E-04	3.90E-04	1.40E-07	4.24E-07	2.45E-07	2.39E-07	2.17E-07	9.90E-08	9.77E-08	0.00E+00	0.00E+00	4.51E-08	8.12E-09	5.15E-08	7.95E-09	7.56E-09	1.20E-07	1.28E-07	4.69E-08	6.39E-08	2.39E-08	1.28E-07	4.69E-08
3698	487863.1	3851377	3.96E-04	3.86E-04	3.81E-04	1.37E-07	4.14E-07	2.39E-07	2.34E-07	2.12E-07	9.67E-08	9.54E-08	0.00E+00	0.00E+00	4.41E-08	7.93E-09	5.03E-08	7.76E-09	7.39E-09	1.17E-07	1.25E-07	4.58E-08	6.24E-08	2.33E-08	1.25E-07	4.58E-08
3699	488363.1	3851377	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.25E-08	9.13E-08	0.00E+00	0.00E+00	4.22E-08	7.59E-09	4.82E-08	7.43E-09	7.07E-09	1.12E-07	1.20E-07	4.38E-08	5.97E-08	2.23E-08	1.20E-07	4.38E-08
3700	488863.1	3851377	3.60E-04	3.51E-04	3.47E-04	1.25E-07	3.76E-07	2.18E-07	2.13E-07	1.93E-07	8.79E-08	8.68E-08	0.00E+00	0.00E+00	4.01E-08	7.22E-09	4.58E-08	7.06E-09	6.72E-09	1.07E-07	1.14E-07	4.17E-08	5.67E-08	2.12E-08	1.14E-07	4.17E-08
3701	489363.1	3851377	3.44E-04	3.35E-04	3.31E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.39E-08	8.28E-08	0.00E+00	0.00E+00	3.82E-08	6.88E-09	4.37E-08	6.74E-09	6.41E-09	1.02E-07	1.08E-07	3.98E-08	5.41E-08	2.02E-08	1.08E-07	3.98E-08
3702	489863.1	3851377	3.26E-04	3.18E-04	3.14E-04	1.13E-07	3.41E-07	1.97E-07	1.93E-07	1.75E-07	7.96E-08	7.86E-08	0.00E+00	0.00E+00	3.63E-08	6.54E-09	4.15E-08	6.40E-09	6.08E-09	9.68E-08	1.03E-07	3.77E-08	5.14E-08	1.92E-08	1.03E-07	3.77E-08
3703	490363.1	3851377	3.11E-04	3.04E-04	3.00E-04	1.08E-07	3.25E-07	1.88E-07	1.84E-07	1.67E-07	7.60E-08	7.50E-08	0.00E+00	0.00E+00	3.46E-08	6.24E-09	3.96E-08	6.10E-09	5.81E-09	9.24E-08	9.82E-08	3.60E-08	4.90E-08	1.83E-08	9.82E-08	3.60E-08
3704	490863.1	3851377	2.96E-04	2.89E-04	2.85E-04	1.03E-07	3.10E-07	1.79E-07	1.75E-07	1.59E-07	7.23E-08	7.14E-08	0.00E+00	0.00E+00	3.30E-08	5.94E-09	3.77E-08	5.81E-09	5.53E-09	8.79E-08	9.35E-08	3.43E-08	4.67E-08	1.74E-08	9.35E-08	3.43E-08
3705	491363.1	3851377	2.80E-04	2.73E-04	2.70E-04	9.69E-08	2.93E-07	1.69E-07	1.65E-07	1.50E-07	6.84E-08	6.75E-08	0.00E+00	0.00E+00	3.12E-08	5.61E-09	3.56E-08	5.49E-09	5.23E-09	8.31E-08	8.84E-08	3.24E-08	4.41E-08	1.65E-08	8.84E-08	3.24E-08
3706	491863.1	3851377	2.66E-04	2.59E-04	2.56E-04	9.19E-08	2.78E-07	1.61E-07	1.57E-07	1.42E-07	6.48E-08	6.40E-08	0.00E+00	0.00E+00	2.96E-08	5.32E-09	3.38E-08	5.21E-09	4.95E-09	7.88E-08	8.38E-08	3.07E-08	4.18E-08	1.56E-08	8.38E-08	3.07E-08
3707	492363.1	3851377	2.54E-04	2.48E-04	2.45E-04	8.80E-08	2.66E-07	1.54E-07	1.50E-07	1.36E-07	6.21E-08	6.13E-08	0.00E+00	0.00E+00	2.83E-08	5.10E-09	3.23E-08	4.99E-09	4.75E-09	7.55E-08	8.03E-08	2.94E-08	4.01E-08	1.50E-08	8.03E-08	2.94E-08
3708	492863.1	3851377	2.42E-04	2.36E-04	2.33E-04	8.37E-08	2.53E-07	1.46E-07	1.43E-07	1.29E-07	5.91E-08	5.83E-08	0.00E+00	0.00E+00	2.69E-08	4.85E-09	3.08E-08	4.74E-09	4.51E-09	7.18E-08	7.63E-08	2.80E-08	3.81E-08	1.42E-08	7.63E-08	2.80E-08
3709	493363.1	3851377	2.22E-04	2.17E-04	2.14E-04	7.68E-08	2.32E-07	1.34E-07	1.31E-07	1.19E-07	5.42E-08	5.35E-08	0.00E+00	0.00E+00	2.47E-08	4.45E-09	2.82E-08	4.35E-09	4.14E-09	6.59E-08	7.01E-08	2.57E-08	3.50E-08	1.31E-08	7.01E-08	2.57E-08
3710	493863.1	3851377	2.24E-04	2.19E-04	2.16E-04	7.76E-08	2.34E-07	1.36E-07	1.32E-07	1.20E-07	5.47E-08	5.40E-08	0.00E+00	0.00E+00	2.49E-08	4.49E-09	2.85E-08	4.39E-09	4.18E-09	6.65E-08	7.07E-08	2.59E-08	3.53E-08	1.32E-08	7.07E-08	2.59E-08
3711	494363.1	3851377	2.35E-04	2.30E-04	2.26E-04	8.14E-08	2.46E-07	1.42E-07	1.39E-07	1.26E-07	5.74E-08	5.67E-08	0.00E+00	0.00E+00	2.62E-08	4.71E-09	2.99E-08	4.61E-09	4.39E-09	6.98E-08	7.42E-08	2.72E-08	3.71E-08	1.38E-08	7.42E-08	2.72E-08
3712	494863.1	3851377	2.32E-04	2.27E-04	2.24E-04	8.04E-08	2.43E-07	1.41E-07	1.37E-07	1.24E-07	5.67E-08	5.60E-08	0.00E+00	0.00E+00	2.59E-08	4.66E-09	2.95E-08	4.56E-09	4.34E-09	6.90E-08	7.33E-08	2.69E-08	3.66E-08	1.37E-08	7.33E-08	2.69E-08
3713	495363.1	3851377	2.41E-04	2.36E-04	2.32E-04	8.36E-08	2.52E-07	1.46E-07	1.43E-07	1.29E-07	5.90E-08	5.82E-08	0.00E+00	0.00E+00	2.69E-08	4.84E-09	3.07E-08	4.74E-09	4.51E-09	7.17E-08	7.62E-08	2.80E-08	3.80E-08	1.42E-08	7.62E-08	2.80E-08
3714	495863.1	3851377	2.40E-04	2.34E-04	2.31E-04	8.30E-08	2.51E-07	1.45E-07	1.42E-07	1.28E-07	5.86E-08	5.78E-08	0.00E+00	0.00E+00	2.67E-08	4.81E-09	3.05E-08	4.70E-09	4.47E-09	7.12E-08	7.57E-08	2.78E-08	3.78E-08	1.41E-08	7.57E-08	2.78E-08
3715	496363.1	3851377	2.36E-04	2.31E-04	2.28E-04	8.19E-08	2.47E-07	1.43E-07	1.40E-07	1.27E-07	5.78E-08	5.70E-08	0.00E+00	0.00E+00	2.63E-08	4.74E-09	3.01E-08	4.64E-09	4.41E-09	7.02E-08	7.46E-08	2.74E-08	3.73E-08	1.39E-08	7.46E-08	2.74E-08
3716	496863.1	3851377	2.32E-04	2.26E-04	2.23E-04	8.03E-08	2.42E-07	1.40E-07	1.37E-07	1.24E-07	5.66E-08	5.59E-08	0.00E+00	0.00E+00	2.58E-08	4.65E-09	2.95E-08	4.55E-09	4.33E-09	6.88E-08	7.32E-08	2.68E-08	3.65E-08	1.37E-08	7.32E-08	2.68E-08
3717	497363.1	3851377	2.27E-04	2.21E-04	2.19E-04	7.86E-08	2.37E-07	1.37E-07	1.34E-07	1.21E-07	5.54E-08	5.47E-08	0.00E+00	0.00E+00	2.53E-08	4.55E-09	2.89E-08	4.45E-09	4.23E-09	6.74E-08	7.16E-08	2.63E-08	3.58E-08	1.34E-08	7.16E-08	2.63E-08
3718	497863.1	3851377	2.21E-04	2.16E-04	2.13E-04	7.65E-08	2.31E-07	1.34E-07	1.31E-07	1.18E-07	5.40E-08	5.33E-08	0.00E+00	0.00E+00	2.46E-08	4.43E-09	2.81E-08	4.34E-09	4.13E-09	6.56E-08	6.98E-08	2.56E-08	3.48E-08	1.30E-08	6.98E-08	2.56E-08
3719	498363.1	3851377	2.11E-04	2.06E-04	2.03E-04	7.31E-08	2.21E-07	1.28E-07	1.25E-07	1.13E-07	5.16E-08	5.09E-08	0.00E+00	0.00E+00	2.35E-08	4.23E-09	2.69E-08	4.14E-09	3.94E-09	6.27E-08	6.66E-08	2.44E-08	3.33E-08	1.24E-08	6.66E-08	2.44E-08
3720	471363.1	3851877	1.58E-04	1.54E-04	1.52E-04	5.47E-08	1.65E-07	9.56E-08	9.33E-08	8.46E-08	3.86E-08	3.81E-08	0.00E+00	0.00E+00	1.76E-08	3.17E-09	2.01E-08	3.10E-09	2.95E-09	4.69E-08	4.99E-08	1.83E-08	2.49E-08	9.31E-09	4.99E-08	1.83E-08
3721	471863.1	3851877	1.59E-04	1.55E-04	1.53E-04	5.51E-08	1.67E-07	9.64E-08	9.41E-08	8.53E-08	3.89E-08	3.84E-08	0.00E+00	0.00E+00	1.77E-08	3.19E-09	2.03E-08	3.12E-09	2.97E-09	4.73E-08	5.03E-08	1.84E-08	2.51E-08	9.38E-09	5.03E-08	1.84E-08
3722	472363.1	3851877	1.74E-04	1.70E-04	1.67E-04	6.02E-08	1.82E-07	1.05E-07	1.03E-07	9.30E-08	4.25E-08	4.19E-08	0.00E+00	0.00E+00	1.94E-08	3.48E-09	2.21E-08	3.41E-09	3.24E-09	5.16E-08	5.49E-08	2.01E-08	2.74E-08	1.02E-08	5.49E-08	2.01E-08
3723	472863.1	3851877	1.87E-04	1.83E-04	1.80E-04	6.48E-08	1.96E-07	1.13E-07	1.10E-07	1.00E-07	4.57E-08	4.51E-08	0.00E+00	0.00E+00	2.08E-08	3.75E-09	2.38E-08	3.67E-09	3.49E-09	5.55E-08	5.91E-08	2.17E-08	2.95E-08	1.10E-08	5.91E-08	2.17E-08
3724	473363.1	3851877	1.82E-04	1.78E-04	1.75E-04	6.30E-08	1.90E-07	1.10E-07	1.08E-07	9.75E-08	4.45E-08	4.39E-08	0.00E+00	0.00E+00	2.03E-08	3.65E-09	2.32E-08	3.57E-09	3.40E-09	5.41E-08	5.75E-08	2.11E-08	2.87E-08	1.07E-08	5.75E-08	2.11E-08
3725	473863.1	3851877	1.87E-04	1.82E-04	1.80E-04	6.46E-08	1.95E-07	1.13E-07	1.10E-07	9.99E-08	4.56E-08	4.50E-08	0.00E+00	0.00E+00	2.08E-08	3.74E-09	2.37E-08	3.66E-09	3.48E-09	5.54E-08	5.89E-08	2.16E-08	2.94E-08	1.10E-08	5.89E-08	2.16E-08
3726	474363.1	3851877	2.12E-04	2.06E-04	2.04E-04	7.32E-08	2.21E-07	1.28E-07	1.25E-07	1.13E-07	5.17E-08	5.10E-08	0.00E+00	0.00E+00	2.36E-08	4.24E-09	2.69E-08	4.15E-09	3.95E-09	6.28E-08	6.68E-08	2.45E-08	3.33E-08	1.25E-08	6.68E-08	2.45E-08
3727	474863.1	3851877	2.41E-04	2.35E-04	2.32E-04	8.33E-08	2.52E-07	1.46E-07	1.42E-07	1.29E-07	5.88E-08	5.80E-08	0.00E+00	0.00E+00	2.68E-08	4.82E-09	3.06E-08	4.72E-09	4.49E-09	7.14E-08	7.59E-08	2.79E-08	3.79E-08	1.42E-08	7.59E-08	2.79E-08
3728	475363.1	3851877	2.63E-04	2.57E-04	2.53E-04	9.11E-08	2.75E-07	1.59E-07	1.55E-07	1.41E-07	6.42E-08	6.34E-08	0.00E+00	0.00E+00	2.93E-08	5.27E-09	3.34E-08	5.16E-09	4.91E-09	7.81E-08	8.30E-08	3.04E-08	4.14E-08	1.55E-08	8.30E-08	3.04E-08
3729	475863.1	3851877	2.86E-04	2.79E-04	2.75E-04	9.90E-08	2.99E-07	1.73E-07	1.69E-07	1.53E-07	6.98E-08	6.89E-08	0.00E+00	0.00E+00	3.18E-08	5.73E-09	3.64E-08	5.61E-09	5.33E-09	8.48E-08	9.02E-08	3.31E-08	4.50E-08	1.68E-08	9.02E-08	3.31E-08
3730	476363.1	3851877	2.99E-04	2.91E-04	2.88E-04	1.03E-07	3.12E-07	1.81E-07	1.76E-07	1.60E-07	7.30E-08	7.20E-08	0.00E+00	0.00E+00	3.33E-08	5.99E-09	3.80E-08	5.86E-09	5.57E-09	8.87E-08	9.43E-08	3.46E-08	4.71E-08	1.76E-08	9.43E-08	3.46E-08
3731	476863.1	3851877	3.30E-04	3.22E-04	3.18E-04	1.14E-07	3.45E-07	2.00E-07	1.95E-07	1.77E-07	8.06E-08	7.95E-08	0.00E+00	0.00E+00	3.67E-08	6.61E-09	4.19E-08	6.47E-09	6.15E-09	9.79E-08	1.04E-07	3.82E-08	5.20E-08	1.94E-08	1.04E-07	3.82E-08
3732	477363.1	3851877	3.62E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.14E-07	1.94E-07	8.84E-08	8.72E-08	0.00E+00	0.00E+00	4.03E-08	7.25E-09	4.60E-08	7.09E-09	6.75E-09	1.07E-07	1.14E-07	4.19E-08	5.70E-08	2.13E-08	1.14E-07	4.19E-08
3733	477863.1	3851877	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.12E-07	9.69E-08	9.56E-08	0.00E+00	0.00E+00	4.41E-08	7.95E-09	5.04E-08	7.78E-09	7.40E-09	1.18E-07	1.25E-07	4.59E-08	6.25E-08	2.33E-08	1.25E-07	4.59E-08
3734	478363.1	3851877	4.32E-04	4.22E-04	4.16E-04	1.50E-07	4.52E-07	2.62E-07	2.55E-07	2.31E-07	1.06E-07	1.04E-07	0.00E+00	0.00E+00	4.81E-08	8.66E-09	5.50E-08	8.48E-09	8.07E-09	1.28E-07	1.36E-07	5.00E-08	6.81E-08	2.54E-08	1.36E-07	5.00E-08
3735	478863.1	3851877	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.20E-07	3.01E-07	2.94E-07	2.66E-07	1.21E-07	1.20E-07	0.00E+00	0.00E+00	5.54E-08	9.97E-09	6.33E-08	9.76E-09	9.28E-09	1.48E-07	1.57E-07	5.76E-08	7.84E-08	2.93E-08	1.57E-07	5.76E-08
3736	479363.1	3851877	5.87E-04	5.73E-04	5.65E-04	2.03E-07	6.14E-07	3.55E-07	3.47E-07	3.14E-07	1.43E-07	1.41E-07	0.00E+00	0.00E+00	6.53E-08	1.18E-08	7.47E-08	1.15E-08	1.10E-08	1.74E-07	1.85E-07	6.80E-08	9.25E-08	3.46E-08	1.85E-07	6.80E-08
3737	479863.1	3851877	7.13E-04	6.96E-04	6.86E-04	2.47E-07	7.45E-07	4.31E-07	4.21E-07	3.81E-07	1.74E-07	1.72E-07	0.00E+00	0.00E+00	7.93E-08	1.43E-08	9.06E-08	1.40E-08	1.33E-08	2.12E-07	2.25E-07	8.25E-08	1.12E-07	4.20E-08	2.25E-07	8.25E-08
3738	480363.1	3851877	9.30E-04	9.08E-04	8.96E-04	3.22E-07	9.72E-07	5.63E-07	5.49E-07	4.98E-07	2.27E-07	2.24E-07	0.00E+00	0.00E+00	1.04E-07	1.86E-08	1.18E-07	1.82E-08	1.74E-08	2.76E-07	2.94E-07	1.08E-07	1.47E-07	5.48E-08	2.94E-07	1.08E-07
3739	480863.1	3851877	1.45E-03	1.41E-03	1.40E-03	5.02E-07	1.51E-06	8.77E-07	8.56E-07	7.76E-07	3.54E-07	3.49E-07	0.00E+00	0.00E+00	1.61E-07	2.90E-08	1.84E-07	2.84E-08	2.70E-08	4.30E-07	4.57E-07	1.68E-07	2.28E-07	8.53E-08	4.57E-07	1.68E-07
3740	481363.1	3851877	6.52E-03	6.36E-03	6.28E-03	2.26E-06	6.82E-06	3.95E-06	3.85E-06	3.49E-06	1.59E-06	1.57E-06	0.00E+00	0.00E+00	7.26E-07	1.31E-07	8.29E-07	1.28E-07	1.22E-07	1.94E-06	2.06E-06	7.55E-07	1.03E-06	3.84E-07	2.06E-06	7.55E-07
3741	481863.1	3851877	4.49E-03	4.38E-03	4.32E-03	1.55E-06	4.69E-06	2.72E-06	2.65E-06	2.40E-06	1.10E-06	1.08E-06	0.00E+00	0.00E+00	5.00E-07	9.00E-08	5.71E-07	8.81E-08	8.38E-08	1.33E-06	1.42E-06	5.20E-07	7.07E-07	2.64E-07	1.42E-06	5.20E-07
3742	482363.1	3851877	1.79E-03	1.74E-03	1.72E-03	6.19E-07	1.87E-06	1.08E-06	1.06E-06	9.57E-07	4.37E-07	4.31E-07	0.00E+00	0.00E+00	1.99E-07	3.58E-08	2.27E-07	3.51E-08	3.34E-08	5.31E-07	5.64E-07	2.07E-07	2.82E-07	1.05E-07	5.64E-07	2.07E-07
3743	482863.1	3851877	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.55E-07	5.93E-07	2.71E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.22E-08	1.41E-07	2.17E-08	2.07E-08	3.29E-07	3.50E-07	1.28E-07	1.75E-07	6.53E-08	3.50E-07	1.28E-07
3744	483363.1	3851877	9.26E-04	9.04E-04	8.92E-04	3.21E-07	9.68E-07	5.60E-07	5.47E-07	4.96E-07	2.26E-07	2.23E-07	0.00E+00	0.00E+00	1.03E-07	1.86E-08	1.18E-07	1.82E-08	1.73E-08	2.75E-07	2.92E-07	1.07E-07	1.46E-07	5.45E-08	2.92E-07	1.07E-07
3745	483863.1	3851877	7.78E-04	7.59E-04	7.49E-04	2.69E-07	8.13E-07	4.71E-07	4.59E-07	4.16E-07	1.90E-07	1.87E-07	0.00E+00	0.00E+00	8.66E-08	1.56E-08	9.89E-08	1.53E-08	1.45E-08	2.31E-07	2.46E-07	9.00E-08	1.23E-07	4.58E-08	2.46E-07	9.00E-08
3746	484363.1	3851877	7.25E-04	7.07E-04	6.98E-04	2.51E-07	7.58E-07	4.39E-07	4.28E-07	3.88E-07	1.77E-07	1.75E-07	0.00E+00	0.00E+00	8.07E-08	1.45E-08	9.22E-08	1.42E-08	1.35E-08	2.15E-07	2.29E-07	8.39E-08	1.14E-07	4.27E-08	2.29E-07	8.39E-08
3747	484863.1	3851877	6.38E-04	6.22E-04	6.14E-04	2.21E-07	6.66E-07	3.86E-07	3.77E-07	3.41E-07	1.56E-07	1.54E-07	0.00E+00	0.00E+00	7.10E-08	1.28E-08	8.11E-08	1.25E-08	1.19E-08	1.89E-07	2.01E-07	7.38E-08	1.00E-07	3.75E-08	2.01E-07	7.38E-08
3748	485363.1	3851877	5.93E-04	5.79E-04	5.71E-04	2.05E-07	6.20E-07	3.59E-07	3.50E-07	3.18E-07	1.45E-07	1.43E-07	0.00E+00	0.00E+00	6.60E-08	1.19E-08	7.54E-08	1.16E-08	1.11E-08	1.76E-07	1.87E-07	6.87E-08	9.35E-08	3.49E-08	1.87E-07	6.87E-08
3749	485863.1	3851877	5.53E-04	5.40E-04	5.33E-04	1.92E-07	5.78E-07	3.35E-07	3.27E-07	2.96E-07	1.35E-07	1.33E-07	0.00E+00	0.00E+00	6.16E-08	1.11E-08	7.04E-08	1.09E-08	1.03E-08	1.64E-07	1.75E-07	6.41E-08	8.72E-08	3.26E-08	1.75E-07	6.41E-08
3750	486363.1	3851877	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.20E-07	3.01E-07	2.94E-07	2.66E-07	1.21E-07	1.20E-07	0.00E+00	0.00E+00	5.54E-08	9.97E-09	6.33E-08	9.76E-09	9.28E-09	1.48E-07	1.57E-07	5.76E-08	7.84E-08	2.93E-08	1.57E-07	5.76E-08
3751	486863.1	3851877	4.65E-04	4.54E-04	4.48E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	5.18E-08	9.33E-09	5.92E-08	9.13E-09	8.69E-09	1.38E-07	1.47E-07	5.39E-08	7.33E-08	2.74E-08	1.47E-07	5.39E-08
3752	487363.1	3851877	4.37E-04	4.27E-04	4.21E-04	1.51E-07	4.57E-07	2.65E-07	2.58E-07	2.34E-07	1.07E-07	1.05E-07	0.00E+00	0.00E+00	4.87E-08	8.76E-09	5.56E-08	8.58E-09	8.16E-09	1.30E-07	1.38E-07	5.06E-08	6.89E-08	2.57E-08	1.38E-07	5.06E-08
3753	487863.1	3851877	3.96E-04	3.87E-04	3.81E-04	1.37E-07	4.14E-07	2.40E-07	2.34E-07	2.12E-07	9.68E-08	9.55E-08	0.00E+00	0.00E+00	4.41E-08	7.94E-09	5.04E-08	7.77E-09	7.39E-09	1.18E-07	1.25E-07	4.59E-08	6.24E-08	2.33E-08	1.25E-07	4.59E-08
3754	488363.1	3851877	3.78E-04	3.68E-04	3.64E-04	1.31E-07	3.95E-07	2.28E-07	2.23E-07	2.02E-07	9.22E-08	9.10E-08	0.00E+00	0.00E+00	4.20E-08	7.57E-09	4.80E-08	7.40E-09	7.04E-09	1.12E-07	1.19E-07	4.37E-08	5.95E-08	2.22E-08	1.19E-07	4.37E-08
3755	488863.1	3851877	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	0.00E+00	0.00E+00	3.93E-08	7.07E-09	4.48E-08	6.92E-09	6.58E-09	1.05E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
3756	489363.1	3851877	3.31E-04	3.23E-04	3.19E-04	1.15E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.09E-08	7.98E-08	0.00E+00	0.00E+00	3.69E-08	6.64E-09	4.21E-08	6.49E-09	6.18E-09	9.83E-08	1.04E-07	3.83E-08	5.22E-08	1.95E-08	1.04E-07	3.83E-08
3757	489863.1	3851877	3.14E-04	3.06E-04	3.02E-04	1.09E-07	3.28E-07	1.90E-07	1.85E-07	1.68E-07	7.67E-08	7.57E-08	0.00E+00	0.00E+00	3.50E-08	6.29E-09	3.99E-08	6.16E-09	5.86E-09	9.32E-08	9.91E-08	3.64E-08	4.95E-08	1.85E-08	9.91E-08	3.64E-08
3758	490363.1	3851877	3.03E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.83E-07	1.79E-07	1.62E-07	7.40E-08	7.30E-08	0.00E+00	0.00E+00	3.37E-08	6.07E-09	3.85E-08	5.94E-09	5.65E-09	8.99E-08	9.56E-08	3.51E-08	4.77E-08	1.78E-08	9.56E-08	3.51E-08
3759	490863.1	3851877	2.94E-04	2.87E-04	2.83E-04	1.02E-07	3.07E-07	1.78E-07	1.74E-07	1.57E-07	7.18E-08	7.09E-08	0.00E+00	0.00E+00	3.27E-08	5.90E-09	3.74E-08	5.77E-09	5.49E-09	8.73E-08	9.28E-08	3.41E-08	4.63E-08	1.73E-08	9.28E-08	3.41E-08
3760	491363.1	3851877	2.88E-04	2.81E-04	2.77E-04	9.97E-08	3.01E-07	1.74E-07	1.70E-07	1.54E-07	7.03E-08	6.94E-08	0.00E+00	0.00E+00	3.21E-08	5.77E-09	3.66E-08	5.65E-09	5.37E-09	8.55E-08	9.09E-08	3.33E-08	4.54E-08	1.69E-08	9.09E-08	3.33E-08
3761	491863.1	3851877	2.80E-04	2.73E-04	2.70E-04	9.69E-08	2.93E-07	1.69E-07	1.65E-07	1.50E-07	6.84E-08	6.75E-08	0.00E+00	0.00E+00	3.12E-08	5.61E-09	3.56E-08	5.49E-09	5.23E-09	8.31E-08	8.84E-08	3.24E-08	4.41E-08	1.65E-08	8.84E-08	3.24E-08
3762	492363.1	3851877	2.67E-04	2.60E-04	2.57E-04	9.23E-08	2.79E-07	1.61E-07	1.58E-07	1.43E-07	6.51E-08	6.43E-08	0.00E+00	0.00E+00	2.97E-08	5.35E-09	3.39E-08	5.23E-09	4.98E-09	7.92E-08	8.42E-08	3.09E-08	4.20E-08	1.57E-08	8.42E-08	3.09E-08
3763	492863.1	3851877	2.40E-04	2.34E-04	2.31E-04	8.30E-08	2.51E-07	1.45E-07	1.42E-07	1.28E-07	5.86E-08	5.78E-08	0.00E+00	0.00E+00	2.67E-08	4.81E-09	3.05E-08	4.70E-09	4.47E-09	7.12E-08	7.57E-08	2.78E-08	3.78E-08	1.41E-08	7.57E-08	2.78E-08
3764	493363.1	3851877	2.53E-04	2.47E-04	2.44E-04	8.76E-08	2.65E-07	1.53E-07	1.49E-07	1.35E-07	6.18E-08	6.10E-08	0.00E+00	0.00E+00	2.82E-08	5.07E-09	3.22E-08	4.96E-09	4.72E-09	7.51E-08	7.99E-08	2.93E-08	3.99E-08	1.49E-08	7.99E-08	2.93E-08
3765	493863.1	3851877	2.66E-04	2.59E-04	2.56E-04	9.19E-08	2.78E-07	1.61E-07	1.57E-07	1.42E-07	6.48E-08	6.40E-08	0.00E+00	0.00E+00	2.96E-08	5.32E-09	3.38E-08	5.21E-09	4.95E-09	7.88E-08	8.38E-08	3.07E-08	4.18E-08	1.56E-08	8.38E-08	3.07E-08
3766	494363.1	3851877	2.54E-04	2.48E-04	2.45E-04	8.80E-08	2.66E-07	1.54E-07	1.50E-07	1.36E-07	6.21E-08	6.13E-08	0.00E+00	0.00E+00	2.83E-08	5.10E-09	3.23E-08	4.99E-09	4.75E-09	7.55E-08	8.03E-08	2.94E-08	4.01E-08	1.50E-08	8.03E-08	2.94E-08

3767	494863.1	3851877	2.58E-04	2.52E-04	2.49E-04	8.95E-08	2.70E-07	1.56E-07	1.53E-07	1.38E-07	6.31E-08	6.23E-08	0.00E+00	0.00E+00	2.88E-08	5.18E-09	3.29E-08	5.07E-09	4.82E-09	7.67E-08	8.16E-08	2.99E-08	4.07E-08	1.52E-08	8.16E-08	2.99E-08
3768	495363.1	3851877	2.58E-04	2.52E-04	2.48E-04	8.93E-08	2.70E-07	1.56E-07	1.52E-07	1.38E-07	6.30E-08	6.22E-08	0.00E+00	0.00E+00	2.87E-08	5.17E-09	3.28E-08	5.06E-09	4.82E-09	7.66E-08	8.14E-08	2.99E-08	4.07E-08	1.52E-08	8.14E-08	2.99E-08
3769	495863.1	3851877	2.55E-04	2.49E-04	2.46E-04	8.83E-08	2.67E-07	1.54E-07	1.51E-07	1.37E-07	6.23E-08	6.15E-08	0.00E+00	0.00E+00	2.84E-08	5.11E-09	3.24E-08	5.00E-09	4.76E-09	7.57E-08	8.05E-08	2.95E-08	4.02E-08	1.50E-08	8.05E-08	2.95E-08
3770	496363.1	3851877	2.49E-04	2.43E-04	2.40E-04	8.62E-08	2.60E-07	1.51E-07	1.47E-07	1.33E-07	6.08E-08	6.00E-08	0.00E+00	0.00E+00	2.77E-08	4.99E-09	3.17E-08	4.88E-09	4.64E-09	7.39E-08	7.86E-08	2.88E-08	3.92E-08	1.47E-08	7.86E-08	2.88E-08
3771	496863.1	3851877	2.42E-04	2.36E-04	2.33E-04	8.37E-08	2.53E-07	1.46E-07	1.43E-07	1.29E-07	5.91E-08	5.83E-08	0.00E+00	0.00E+00	2.69E-08	4.85E-09	3.08E-08	4.74E-09	4.51E-09	7.18E-08	7.63E-08	2.80E-08	3.81E-08	1.42E-08	7.63E-08	2.80E-08
3772	497363.1	3851877	2.35E-04	2.29E-04	2.26E-04	8.13E-08	2.45E-07	1.42E-07	1.39E-07	1.26E-07	5.73E-08	5.66E-08	0.00E+00	0.00E+00	2.61E-08	4.71E-09	2.99E-08	4.61E-09	4.38E-09	6.97E-08	7.41E-08	2.72E-08	3.70E-08	1.38E-08	7.41E-08	2.72E-08
3773	497863.1	3851877	2.23E-04	2.18E-04	2.15E-04	7.73E-08	2.33E-07	1.35E-07	1.32E-07	1.19E-07	5.45E-08	5.38E-08	0.00E+00	0.00E+00	2.48E-08	4.47E-09	2.84E-08	4.38E-09	4.16E-09	6.62E-08	7.04E-08	2.58E-08	3.52E-08	1.31E-08	7.04E-08	2.58E-08
3774	498363.1	3851877	2.13E-04	2.08E-04	2.05E-04	7.38E-08	2.23E-07	1.29E-07	1.26E-07	1.14E-07	5.21E-08	5.14E-08	0.00E+00	0.00E+00	2.37E-08	4.27E-09	2.71E-08	4.18E-09	3.98E-09	6.33E-08	6.73E-08	2.47E-08	3.36E-08	1.26E-08	6.73E-08	2.47E-08
3775	471363.1	3852377	1.39E-04	1.35E-04	1.33E-04	4.80E-08	1.45E-07	8.38E-08	8.18E-08	7.42E-08	3.38E-08	3.34E-08	0.00E+00	0.00E+00	1.54E-08	2.78E-09	1.76E-08	2.72E-09	2.59E-09	4.11E-08	4.37E-08	1.60E-08	2.18E-08	8.16E-09	4.37E-08	1.60E-08
3776	471863.1	3852377	1.51E-04	1.47E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	8.89E-08	8.06E-08	3.68E-08	3.63E-08	0.00E+00	0.00E+00	1.68E-08	3.02E-09	1.92E-08	2.95E-09	2.81E-09	4.47E-08	4.75E-08	1.74E-08	2.37E-08	8.87E-09	4.75E-08	1.74E-08
3777	472363.1	3852377	1.59E-04	1.55E-04	1.53E-04	5.51E-08	1.67E-07	9.64E-08	9.41E-08	8.53E-08	3.89E-08	3.84E-08	0.00E+00	0.00E+00	1.77E-08	3.19E-09	2.03E-08	3.12E-09	2.97E-09	4.73E-08	5.03E-08	1.84E-08	2.51E-08	9.38E-09	5.03E-08	1.84E-08
3778	472863.1	3852377	1.68E-04	1.64E-04	1.62E-04	5.82E-08	1.76E-07	1.02E-07	9.92E-08	8.99E-08	4.10E-08	4.05E-08	0.00E+00	0.00E+00	1.87E-08	3.37E-09	2.14E-08	3.30E-09	3.14E-09	4.99E-08	5.30E-08	1.95E-08	2.65E-08	9.89E-09	5.30E-08	1.95E-08
3779	473363.1	3852377	1.75E-04	1.70E-04	1.68E-04	6.05E-08	1.83E-07	1.06E-07	1.03E-07	9.35E-08	4.27E-08	4.21E-08	0.00E+00	0.00E+00	1.94E-08	3.50E-09	2.22E-08	3.43E-09	3.26E-09	5.18E-08	5.51E-08	2.02E-08	2.75E-08	1.03E-08	5.51E-08	2.02E-08
3780	473863.1	3852377	1.78E-04	1.74E-04	1.72E-04	6.18E-08	1.86E-07	1.08E-07	1.05E-07	9.55E-08	4.36E-08	4.30E-08	0.00E+00	0.00E+00	1.99E-08	3.58E-09	2.27E-08	3.50E-09	3.33E-09	5.29E-08	5.63E-08	2.07E-08	2.81E-08	1.05E-08	5.63E-08	2.07E-08
3781	474363.1	3852377	1.83E-04	1.79E-04	1.76E-04	6.33E-08	1.91E-07	1.11E-07	1.08E-07	9.79E-08	4.47E-08	4.41E-08	0.00E+00	0.00E+00	2.04E-08	3.67E-09	2.33E-08	3.59E-09	3.41E-09	5.43E-08	5.77E-08	2.12E-08	2.88E-08	1.08E-08	5.77E-08	2.12E-08
3782	474863.1	3852377	2.17E-04	2.11E-04	2.09E-04	7.50E-08	2.26E-07	1.31E-07	1.28E-07	1.16E-07	5.29E-08	5.22E-08	0.00E+00	0.00E+00	2.41E-08	4.34E-09	2.75E-08	4.25E-09	4.04E-09	6.43E-08	6.84E-08	2.51E-08	3.41E-08	1.27E-08	6.84E-08	2.51E-08
3783	475363.1	3852377	2.26E-04	2.20E-04	2.17E-04	7.81E-08	2.36E-07	1.37E-07	1.33E-07	1.21E-07	5.51E-08	5.44E-08	0.00E+00	0.00E+00	2.51E-08	4.52E-09	2.87E-08	4.43E-09	4.21E-09	6.70E-08	7.12E-08	2.61E-08	3.56E-08	1.33E-08	7.12E-08	2.61E-08
3784	475863.1	3852377	2.35E-04	2.29E-04	2.26E-04	8.13E-08	2.45E-07	1.42E-07	1.39E-07	1.26E-07	5.73E-08	5.66E-08	0.00E+00	0.00E+00	2.61E-08	4.71E-09	2.99E-08	4.61E-09	4.38E-09	6.97E-08	7.41E-08	2.72E-08	3.70E-08	1.38E-08	7.41E-08	2.72E-08
3785	476363.1	3852377	2.42E-04	2.36E-04	2.33E-04	8.39E-08	2.53E-07	1.47E-07	1.43E-07	1.30E-07	5.92E-08	5.84E-08	0.00E+00	0.00E+00	2.70E-08	4.86E-09	3.08E-08	4.75E-09	4.52E-09	7.19E-08	7.65E-08	2.80E-08	3.82E-08	1.43E-08	7.65E-08	2.80E-08
3786	476863.1	3852377	2.63E-04	2.57E-04	2.54E-04	9.12E-08	2.75E-07	1.59E-07	1.56E-07	1.41E-07	6.43E-08	6.35E-08	0.00E+00	0.00E+00	2.93E-08	5.28E-09	3.35E-08	5.17E-09	4.92E-09	7.82E-08	8.31E-08	3.05E-08	4.15E-08	1.55E-08	8.31E-08	3.05E-08
3787	477363.1	3852377	2.75E-04	2.69E-04	2.65E-04	9.54E-08	2.88E-07	1.67E-07	1.63E-07	1.47E-07	6.73E-08	6.64E-08	0.00E+00	0.00E+00	3.07E-08	5.52E-09	3.50E-08	5.40E-09	5.14E-09	8.18E-08	8.69E-08	3.19E-08	4.34E-08	1.62E-08	8.69E-08	3.19E-08
3788	477863.1	3852377	2.61E-04	2.54E-04	2.51E-04	9.02E-08	2.72E-07	1.58E-07	1.54E-07	1.39E-07	6.36E-08	6.28E-08	0.00E+00	0.00E+00	2.90E-08	5.22E-09	3.31E-08	5.11E-09	4.86E-09	7.73E-08	8.22E-08	3.02E-08	4.10E-08	1.53E-08	8.22E-08	3.02E-08
3789	478363.1	3852377	2.58E-04	2.51E-04	2.48E-04	8.92E-08	2.69E-07	1.56E-07	1.52E-07	1.38E-07	6.29E-08	6.21E-08	0.00E+00	0.00E+00	2.87E-08	5.16E-09	3.28E-08	5.05E-09	4.81E-09	7.65E-08	8.13E-08	2.98E-08	4.06E-08	1.52E-08	8.13E-08	2.98E-08
3790	478863.1	3852377	3.16E-04	3.08E-04	3.04E-04	1.09E-07	3.30E-07	1.91E-07	1.86E-07	1.69E-07	7.71E-08	7.61E-08	0.00E+00	0.00E+00	3.51E-08	6.33E-09	4.02E-08	6.19E-09	5.89E-09	9.37E-08	9.96E-08	3.65E-08	4.97E-08	1.86E-08	9.96E-08	3.65E-08
3791	479363.1	3852377	3.67E-04	3.58E-04	3.53E-04	1.27E-07	3.83E-07	2.22E-07	2.17E-07	1.96E-07	8.96E-08	8.84E-08	0.00E+00	0.00E+00	4.08E-08	7.35E-09	4.66E-08	7.19E-09	6.84E-09	1.09E-07	1.16E-07	4.25E-08	5.78E-08	2.16E-08	1.16E-07	4.25E-08
3792	479863.1	3852377	4.84E-04	4.72E-04	4.66E-04	1.67E-07	5.06E-07	2.93E-07	2.86E-07	2.59E-07	1.18E-07	1.17E-07	0.00E+00	0.00E+00	5.38E-08	9.69E-09	6.15E-08	9.49E-09	9.03E-09	1.44E-07	1.53E-07	5.60E-08	7.62E-08	2.85E-08	1.53E-07	5.60E-08
3793	480363.1	3852377	6.24E-04	6.09E-04	6.01E-04	2.16E-07	6.52E-07	3.78E-07	3.68E-07	3.34E-07	1.52E-07	1.50E-07	0.00E+00	0.00E+00	6.95E-08	1.25E-08	7.94E-08	1.22E-08	1.16E-08	1.85E-07	1.97E-07	7.22E-08	9.83E-08	3.67E-08	1.97E-07	7.22E-08
3794	480863.1	3852377	8.12E-04	7.92E-04	7.82E-04	2.81E-07	8.49E-07	4.91E-07	4.79E-07	4.35E-07	1.98E-07	1.96E-07	0.00E+00	0.00E+00	9.04E-08	1.63E-08	1.03E-07	1.59E-08	1.51E-08	2.41E-07	2.56E-07	9.40E-08	1.28E-07	4.78E-08	2.56E-07	9.40E-08
3795	481363.1	3852377	1.32E-03	1.29E-03	1.27E-03	4.57E-07	1.38E-06	7.99E-07	7.80E-07	7.07E-07	3.23E-07	3.18E-07	0.00E+00	0.00E+00	1.47E-07	2.65E-08	1.68E-07	2.59E-08	2.46E-08	3.92E-07	4.17E-07	1.53E-07	2.08E-07	7.78E-08	4.17E-07	1.53E-07
3796	481863.1	3852377	7.54E-03	7.35E-03	7.26E-03	2.61E-06	7.88E-06	4.56E-06	4.45E-06	4.03E-06	1.84E-06	1.82E-06	0.00E+00	0.00E+00	8.39E-07	1.51E-07	9.58E-07	1.48E-07	1.41E-07	2.24E-06	2.38E-06	8.72E-07	1.19E-06	4.44E-07	2.38E-06	8.72E-07
3797	482363.1	3852377	4.18E-03	4.08E-03	4.03E-03	1.45E-06	4.37E-06	2.53E-06	2.47E-06	2.24E-06	1.02E-06	1.01E-06	0.00E+00	0.00E+00	4.65E-07	8.38E-08	5.32E-07	8.20E-08	7.80E-08	1.24E-06	1.32E-06	4.84E-07	6.59E-07	2.46E-07	1.32E-06	4.84E-07
3798	482863.1	3852377	1.79E-03	1.74E-03	1.72E-03	6.18E-07	1.87E-06	1.08E-06	1.05E-06	9.56E-07	4.36E-07	4.30E-07	0.00E+00	0.00E+00	1.99E-07	3.58E-08	2.27E-07	3.50E-08	3.33E-08	5.30E-07	5.64E-07	2.07E-07	2.81E-07	1.05E-07	5.64E-07	2.07E-07
3799	483363.1	3852377	1.10E-03	1.07E-03	1.06E-03	3.81E-07	1.15E-06	6.66E-07	6.50E-07	5.89E-07	2.69E-07	2.65E-07	0.00E+00	0.00E+00	1.22E-07	2.21E-08	1.40E-07	2.16E-08	2.05E-08	3.27E-07	3.47E-07	1.27E-07	1.73E-07	6.48E-08	3.47E-07	1.27E-07
3800	483863.1	3852377	8.48E-04	8.28E-04	8.17E-04	2.94E-07	8.87E-07	5.13E-07	5.01E-07	4.54E-07	2.07E-07	2.04E-07	0.00E+00	0.00E+00	9.44E-08	1.70E-08	1.08E-07	1.66E-08	1.58E-08	2.52E-07	2.68E-07	9.82E-08	1.34E-07	4.99E-08	2.68E-07	9.82E-08
3801	484363.1	3852377	7.78E-04	7.59E-04	7.49E-04	2.69E-07	8.13E-07	4.71E-07	4.59E-07	4.16E-07	1.90E-07	1.87E-07	0.00E+00	0.00E+00	8.66E-08	1.56E-08	9.89E-08	1.53E-08	1.45E-08	2.31E-07	2.46E-07	9.00E-08	1.23E-07	4.58E-08	2.46E-07	9.00E-08
3802	484863.1	3852377	7.12E-04	6.95E-04	6.86E-04	2.47E-07	7.45E-07	4.31E-07	4.21E-07	3.81E-07	1.74E-07	1.72E-07	0.00E+00	0.00E+00	7.93E-08	1.43E-08	9.06E-08	1.40E-08	1.33E-08	2.11E-07	2.25E-07	8.25E-08	1.12E-07	4.19E-08	2.25E-07	8.25E-08
3803	485363.1	3852377	6.57E-04	6.41E-04	6.33E-04	2.27E-07	6.87E-07	3.98E-07	3.88E-07	3.52E-07	1.60E-07	1.58E-07	0.00E+00	0.00E+00	7.32E-08	1.32E-08	8.36E-08	1.29E-08	1.23E-08	1.95E-07	2.07E-07	7.61E-08	1.04E-07	3.87E-08	2.07E-07	7.61E-08
3804	485863.1	3852377	5.83E-04	5.69E-04	5.61E-04	2.02E-07	6.09E-07	3.53E-07	3.44E-07	3.12E-07	1.42E-07	1.40E-07	0.00E+00	0.00E+00	6.49E-08	1.17E-08	7.41E-08	1.14E-08	1.09E-08	1.73E-07	1.84E-07	6.75E-08	9.18E-08	3.43E-08	1.84E-07	6.75E-08
3805	486363.1	3852377	5.09E-04	4.97E-04	4.91E-04	1.76E-07	5.33E-07	3.08E-07	3.01E-07	2.73E-07	1.24E-07	1.23E-07	0.00E+00	0.00E+00	5.67E-08	1.02E-08	6.48E-08	9.99E-09	9.51E-09	1.51E-07	1.61E-07	5.90E-08	8.03E-08	3.00E-08	1.61E-07	5.90E-08
3806	486863.1	3852377	4.70E-04	4.58E-04	4.52E-04	1.63E-07	4.91E-07	2.84E-07	2.77E-07	2.51E-07	1.15E-07	1.13E-07	0.00E+00	0.00E+00	5.23E-08	9.41E-09	5.97E-08	9.21E-09	8.76E-09	1.39E-07	1.48E-07	5.44E-08	7.40E-08	2.76E-08	1.48E-07	5.44E-08
3807	487363.1	3852377	4.29E-04	4.19E-04	4.13E-04	1.48E-07	4.48E-07	2.60E-07	2.53E-07	2.30E-07	1.05E-07	1.03E-07	0.00E+00	0.00E+00	4.78E-08	8.60E-09	5.46E-08	8.41E-09	8.00E-09	1.27E-07	1.35E-07	4.97E-08	6.76E-08	2.53E-08	1.35E-07	4.97E-08
3808	487863.1	3852377	3.94E-04	3.84E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.32E-07	2.11E-07	9.62E-08	9.49E-08	0.00E+00	0.00E+00	4.38E-08	7.89E-09	5.01E-08	7.72E-09	7.35E-09	1.17E-07	1.24E-07	4.56E-08	6.20E-08	2.32E-08	1.24E-07	4.56E-08
3809	488363.1	3852377	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	0.00E+00	0.00E+00	4.05E-08	7.30E-09	4.63E-08	7.14E-09	6.80E-09	1.08E-07	1.15E-07	4.22E-08	5.74E-08	2.14E-08	1.15E-07	4.22E-08
3810	488863.1	3852377	3.36E-04	3.28E-04	3.23E-04	1.16E-07	3.51E-07	2.03E-07	1.98E-07	1.80E-07	8.20E-08	8.09E-08	0.00E+00	0.00E+00	3.74E-08	6.73E-09	4.27E-08	6.58E-09	6.26E-09	9.96E-08	1.06E-07	3.89E-08	5.29E-08	1.98E-08	1.06E-07	3.89E-08
3811	489363.1	3852377	3.14E-04	3.07E-04	3.03E-04	1.09E-07	3.29E-07	1.90E-07	1.86E-07	1.68E-07	7.68E-08	7.58E-08	0.00E+00	0.00E+00	3.50E-08	6.30E-09	4.00E-08	6.17E-09	5.87E-09	9.33E-08	9.93E-08	3.64E-08	4.95E-08	1.85E-08	9.93E-08	3.64E-08
3812	489863.1	3852377	2.91E-04	2.84E-04	2.80E-04	1.01E-07	3.04E-07	1.76E-07	1.72E-07	1.56E-07	7.10E-08	7.01E-08	0.00E+00	0.00E+00	3.24E-08	5.83E-09	3.70E-08	5.70E-09	5.43E-09	8.63E-08	9.18E-08	3.37E-08	4.58E-08	1.71E-08	9.18E-08	3.37E-08
3813	490363.1	3852377	2.94E-04	2.87E-04	2.83E-04	1.02E-07	3.07E-07	1.78E-07	1.73E-07	1.57E-07	7.17E-08	7.08E-08	0.00E+00	0.00E+00	3.27E-08	5.89E-09	3.74E-08	5.76E-09	5.48E-09	8.72E-08	9.27E-08	3.40E-08	4.63E-08	1.73E-08	9.27E-08	3.40E-08
3814	490863.1	3852377	2.92E-04	2.85E-04	2.82E-04	1.01E-07	3.06E-07	1.77E-07	1.73E-07	1.57E-07	7.14E-08	7.05E-08	0.00E+00	0.00E+00	3.26E-08	5.86E-09	3.72E-08	5.74E-09	5.46E-09	8.68E-08	9.23E-08	3.39E-08	4.61E-08	1.72E-08	9.23E-08	3.39E-08
3815	491363.1	3852377	3.04E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.84E-07	1.79E-07	1.63E-07	7.42E-08	7.32E-08	0.00E+00	0.00E+00	3.38E-08	6.09E-09	3.86E-08	5.96E-09	5.67E-09	9.01E-08	9.58E-08	3.52E-08	4.78E-08	1.79E-08	9.58E-08	3.52E-08
3816	491863.1	3852377	2.97E-04	2.90E-04	2.86E-04	1.03E-07	3.10E-07	1.80E-07	1.75E-07	1.59E-07	7.25E-08	7.16E-08	0.00E+00	0.00E+00	3.31E-08	5.95E-09	3.78E-08	5.83E-09	5.54E-09	8.82E-08	9.38E-08	3.44E-08	4.68E-08	1.75E-08	9.38E-08	3.44E-08
3817	492363.1	3852377	2.89E-04	2.82E-04	2.78E-04	1.00E-07	3.02E-07	1.75E-07	1.71E-07	1.55E-07	7.06E-08	6.97E-08	0.00E+00	0.00E+00	3.22E-08	5.80E-09	3.68E-08	5.67E-09	5.40E-09	8.58E-08	9.13E-08	3.35E-08	4.56E-08	1.70E-08	9.13E-08	3.35E-08
3818	492863.1	3852377	2.88E-04	2.81E-04	2.77E-04	9.97E-08	3.01E-07	1.74E-07	1.70E-07	1.54E-07	7.03E-08	6.94E-08	0.00E+00	0.00E+00	3.21E-08	5.77E-09	3.66E-08	5.65E-09	5.37E-09	8.55E-08	9.09E-08	3.33E-08	4.54E-08	1.69E-08	9.09E-08	3.33E-08
3819	493363.1	3852377	2.93E-04	2.86E-04	2.82E-04	1.01E-07	3.06E-07	1.77E-07	1.73E-07	1.57E-07	7.15E-08	7.06E-08	0.00E+00	0.00E+00	3.26E-08	5.87E-09	3.72E-08	5.74E-09	5.47E-09	8.69E-08	9.24E-08	3.39E-08	4.61E-08	1.72E-08	9.24E-08	3.39E-08
3820	493863.1	3852377	2.84E-04	2.77E-04	2.73E-04	9.82E-08	2.97E-07	1.72E-07	1.68E-07	1.52E-07	6.93E-08	6.84E-08	0.00E+00	0.00E+00	3.16E-08	5.69E-09	3.61E-08	5.57E-09	5.30E-09	8.42E-08	8.96E-08	3.28E-08	4.47E-08	1.67E-08	8.96E-08	3.28E-08
3821	494363.1	3852377	2.76E-04	2.69E-04	2.66E-04	9.55E-08	2.88E-07	1.67E-07	1.63E-07	1.48E-07	6.74E-08	6.65E-08	0.00E+00	0.00E+00	3.07E-08	5.53E-09	3.51E-08	5.41E-09	5.15E-09	8.19E-08	8.71E-08	3.19E-08	4.35E-08	1.62E-08	8.71E-08	3.19E-08
3822	494863.1	3852377	2.76E-04	2.69E-04	2.66E-04	9.55E-08	2.88E-07	1.67E-07	1.63E-07	1.48E-07	6.74E-08	6.65E-08	0.00E+00	0.00E+00	3.07E-08	5.53E-09	3.51E-08	5.41E-09	5.15E-09	8.19E-08	8.71E-08	3.19E-08	4.35E-08	1.62E-08	8.71E-08	3.19E-08
3823	495363.1	3852377	2.75E-04	2.69E-04	2.65E-04	9.54E-08	2.88E-07	1.67E-07	1.63E-07	1.47E-07	6.73E-08	6.64E-08	0.00E+00	0.00E+00	3.07E-08	5.52E-09	3.50E-08	5.40E-09	5.14E-09	8.18E-08	8.69E-08	3.19E-08	4.34E-08	1.62E-08	8.69E-08	3.19E-08
3824	495863.1	3852377	2.66E-04	2.60E-04	2.56E-04	9.22E-08	2.78E-07	1.61E-07	1.57E-07	1.43E-07	6.50E-08	6.42E-08	0.00E+00	0.00E+00	2.96E-08	5.34E-09	3.39E-08	5.22E-09	4.97E-09	7.91E-08	8.41E-08	3.08E-08	4.20E-08	1.57E-08	8.41E-08	3.08E-08
3825	496363.1	3852377	2.56E-04	2.50E-04	2.47E-04	8.88E-08	2.68E-07	1.55E-07	1.51E-07	1.37E-07	6.26E-08	6.18E-08	0.00E+00	0.00E+00	2.85E-08	5.14E-09	3.26E-08	5.03E-09	4.78E-09	7.61E-08	8.09E-08	2.97E-08	4.04E-08	1.51E-08	8.09E-08	2.97E-08
3826	496863.1	3852377	2.49E-04	2.43E-04	2.40E-04	8.63E-08	2.61E-07	1.51E-07	1.47E-07	1.33E-07	6.09E-08	6.01E-08	0.00E+00	0.00E+00	2.78E-08	5.00E-09	3.17E-08	4.89E-09	4.65E-09	7.40E-08	7.87E-08	2.89E-08	3.93E-08	1.47E-08	7.87E-08	2.89E-08
3827	497363.1	3852377	2.36E-04	2.31E-04	2.28E-04	8.19E-08	2.47E-07	1.43E-07	1.40E-07	1.27E-07	5.78E-08	5.70E-08	0.00E+00	0.00E+00	2.63E-08	4.74E-09	3.01E-08	4.64E-09	4.41E-09	7.02E-08	7.46E-08	2.74E-08	3.73E-08	1.39E-08	7.46E-08	2.74E-08
3828	497863.1	3852377	2.22E-04	2.17E-04	2.14E-04	7.68E-08	2.32E-07	1.34E-07	1.31E-07	1.19E-07	5.42E-08	5.35E-08	0.00E+00	0.00E+00	2.47E-08	4.45E-09	2.82E-08	4.35E-09	4.14E-09	6.59E-08	7.01E-08	2.57E-08	3.50E-08	1.31E-08	7.01E-08	2.57E-08
3829	498363.1	3852377	2.10E-04	2.05E-04	2.02E-04	7.27E-08	2.19E-07	1.27E-07	1.24E-07	1.12E-07	5.13E-08	5.06E-08	0.00E+00	0.00E+00	2.34E-08	4.21E-09	2.67E-08	4.12E-09	3.92E-09	6.23E-08	6.63E-08	2.43E-08	3.31E-08	1.24E-08	6.63E-08	2.43E-08
3830	471363.1	3852877	1.34E-04	1.31E-04	1.29E-04	4.65E-08	1.40E-07	8.13E-08	7.94E-08	7.19E-08	3.28E-08	3.24E-08	0.00E+00	0.00E+00	1.50E-08	2.69E-09	1.71E-08	2.64E-09	2.51E-09	3.99E-08	4.24E-08	1.56E-08	2.12E-08	7.91E-09	4.24E-08	1.56E-08
3831	471863.1	3852877	1.43E-04	1.39E-04	1.37E-04	4.94E-08	1.49E-07	8.64E-08	8.43E-08	7.64E-08	3.49E-08	3.44E-08	0.00E+00	0.00E+00	1.59E-08	2.86E-09	1.81E-08	2.80E-09	2.66E-09	4.24E-08	4.50E-08	1.65E-08	2.25E-08	8.40E-09	4.50E-08	1.65E-08
3832	472363.1	3852877	1.50E-04	1.47E-04	1.45E-04	5.20E-08	1.57E-07	9.09E-08	8.87E-08	8.04E-08	3.67E-08	3.62E-08	0.00E+00	0.00E+00	1.67E-08	3.01E-09	1.91E-08	2.95E-09	2.80E-09	4.46E-08	4.74E-08	1.74E-08	2.37E-08	8.84E-09	4.74E-08	1.74E-08
3833	472863.1	3852877	1.57E-04	1.53E-04	1.51E-04	5.43E-08	1.64E-07	9.49E-08	9.26E-08	8.39E-08	3.83E-08	3.78E-08	0.00E+00	0.00E+00	1.75E-08	3.14E-09	1.99E-08	3.08E-09	2.93E-09	4.65E-08	4.95E-08	1.82E-08	2.47E-08	9.23E-09	4.95E-08	1.82E-08
3834	473363.1	3852877	1.66E-04	1.62E-04	1.59E-04	5.73E-08	1.73E-07	1.00E-07	9.77E-08	8.86E-08	4.04E-08	3.99E-08	0.00E+00	0.00E+00	1.84E-08	3.32E-09	2.11E-08	3.25E-09	3.09E-09	4.91E-08	5.22E-08	1.92E-08	2.61E-08	9.74E-09	5.22E-08	1.92E-08
3835	473863.1	3852877	1.75E-04	1.71E-04	1.69E-04	6.07E-08	1.83E-07	1.06E-07	1.04E-07	9.39E-08	4.29E-08	4.23E-08	0.00E+00	0.00E+00	1.95E-08	3.52E-09	2.23E-08	3.44E-09	3.27E-09	5.21E-08	5.54E-08	2.03E-08	2.76E-08	1.03E-08	5.54E-08	2.03E-08
3836	474363.1	3852877	1.86E-04	1.82E-04	1.79E-04	6.45E-08	1.95E-07	1.13E-07	1.10E-07	9.97E-08	4.55E-08	4.49E-08	0.00E+00	0.00E+00	2.07E-08	3.73E-09	2.37E-08	3.65E-09	3.48E-09	5.53E-08	5.88E-08	2.16E-08	2.93E-08	1.10E-08	5.88E-08	2.16E-08
3837	474863.1	3852877	1.83E-04	1.79E-04	1.76E-04	6.33E-08	1.91E-07	1.11E-07	1.08E-07	9.79E-08	4.47E-08	4.41E-08	0.00E+00	0.00E+00	2.04E-08	3.67E-09	2.33E-08	3.59E-09	3.41E-09	5.43E-08	5.77E-08	2.12E-08	2.88E-08	1.08E-08	5.77E-08	2.12E-08
3838	475363.1	3852877	1.97E-04	1.92E-04	1.89E-04	6.81E-08	2.06E-07	1.19E-07	1.16E-07	1.05E-07	4.80E-08	4.74E-08	0.00E+00	0.00E+00	2.19E-08	3.94E-09	2.50E-08	3.86E-09	3.67E-09	5.84E-08	6.21E-08	2.28E-08	3.10E-08	1.16E-08	6.21E-08	2.28E-08
3839	475863.1	3852877	2.04E-04	1.99E-04	1.97E-04	7.07E-08	2.13E-07	1.24E-07	1.21E-07	1.09E-07	4.99E-08	4.92E-08	0.00E+00	0.00E+00	2.27E-08	4.09E-09	2.60E-08	4.00E-09	3.81E-09	6.06E-08	6.44E-08	2.36E-08	3.22E-08	1.20E-08	6.44E-08	2.36E-08
3840	476363.1	3852877	2.05E-04	2.00E-04	1.97E-04	7.08E-08	2.14E-07	1.24E-07	1.21E-07	1.09E-07	5.00E-08	4.93E-08	0.00E+00	0.00E+00	2.28E-08	4.10E-09	2.60E-08	4.01E-09	3.82E-09	6.07E-08	6.46E-08	2.37E-08	3.22E-08	1.20E-08	6.46E-08	2.37E-08
3841	476863.1	3852877	2.00E-04	1.96E-04	1.93E-04	6.94E-08	2.09E-07	1.21E-07	1.18E-07	1.07E-07	4.89E-08	4.83E-08	0.00E+00	0.00E+00	2.23E-08	4.02E-09	2.55E-08	3.93E-09	3.74E-09	5.95E-08	6.32E-08	2.32E-08	3.16E-08	1.18E-08	6.32E-08	2.32E-08
3842	477363.1	3852877	1.99E-04	1.94E-04	1.91E-04	6.88E-08	2.08E-07	1.20E-07	1.17E-07	1.06E-07	4.85E-08	4.79E-08	0.00E+00	0.00E+00	2.21E-08	3.98E-09	2.53E-08	3.90E-09	3.71E-09	5.90E-08	6.27E-08	2.30E-08	3.13E-08	1.17E-08	6.27E-08	2.30E-08
3843	477863.1	3852877	1.94E-04	1.89E-04	1.87E-04	6.72E-08	2.03E-07	1.17E-07	1.15E-07	1.04E-07	4.74E-08	4.68E-08	0.00E+00	0.00E+00	2.16E-08	3.89E-09	2.47E-08	3.81E-09	3.62E-09	5.76E-08	6.13E-08	2.25E-08	3.06E-08	1.14E-08	6.13E-08	2.25E-08

3844	478363.1	3852877	1.82E-04	1.77E-04	1.75E-04	6.29E-08	1.90E-07	1.10E-07	1.07E-07	9.73E-08	4.44E-08	4.38E-08	0.00E+00	0.00E+00	2.02E-08	3.64E-09	2.31E-08	3.56E-09	3.39E-09	5.39E-08	5.74E-08	2.10E-08	2.86E-08	1.07E-08	5.74E-08	2.10E-08
3845	478863.1	3852877	2.05E-04	2.00E-04	1.97E-04	7.08E-08	2.14E-07	1.24E-07	1.21E-07	1.09E-07	5.00E-08	4.93E-08	0.00E+00	0.00E+00	2.28E-08	4.10E-09	2.60E-08	4.01E-09	3.82E-09	6.07E-08	6.46E-08	2.37E-08	3.22E-08	1.20E-08	6.46E-08	2.37E-08
3846	479363.1	3852877	2.49E-04	2.43E-04	2.40E-04	8.62E-08	2.60E-07	1.51E-07	1.47E-07	1.33E-07	6.08E-08	6.00E-08	0.00E+00	0.00E+00	2.77E-08	4.99E-09	3.17E-08	4.88E-09	4.64E-09	7.39E-08	7.86E-08	2.88E-08	3.92E-08	1.47E-08	7.86E-08	2.88E-08
3847	479863.1	3852877	3.44E-04	3.35E-04	3.31E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.39E-08	8.28E-08	0.00E+00	0.00E+00	3.82E-08	6.88E-09	4.37E-08	6.74E-09	6.41E-09	1.02E-07	1.08E-07	3.98E-08	5.41E-08	2.02E-08	1.08E-07	3.98E-08
3848	480363.1	3852877	4.73E-04	4.62E-04	4.56E-04	1.64E-07	4.95E-07	2.86E-07	2.79E-07	2.53E-07	1.16E-07	1.14E-07	0.00E+00	0.00E+00	5.27E-08	9.49E-09	6.02E-08	9.28E-09	8.83E-09	1.40E-07	1.49E-07	5.48E-08	7.46E-08	2.79E-08	1.49E-07	5.48E-08
3849	480863.1	3852877	5.85E-04	5.71E-04	5.63E-04	2.02E-07	6.11E-07	3.54E-07	3.45E-07	3.13E-07	1.43E-07	1.41E-07	0.00E+00	0.00E+00	6.51E-08	1.17E-08	7.44E-08	1.15E-08	1.09E-08	1.74E-07	1.85E-07	6.77E-08	9.22E-08	3.44E-08	1.85E-07	6.77E-08
3850	481363.1	3852877	7.92E-04	7.72E-04	7.62E-04	2.74E-07	8.27E-07	4.79E-07	4.67E-07	4.24E-07	1.93E-07	1.91E-07	0.00E+00	0.00E+00	8.81E-08	1.59E-08	1.01E-07	1.55E-08	1.48E-08	2.35E-07	2.50E-07	9.16E-08	1.25E-07	4.66E-08	2.50E-07	9.16E-08
3851	481863.1	3852877	1.33E-03	1.29E-03	1.28E-03	4.59E-07	1.39E-06	8.02E-07	7.82E-07	7.09E-07	3.24E-07	3.19E-07	0.00E+00	0.00E+00	1.48E-07	2.66E-08	1.69E-07	2.60E-08	2.47E-08	3.93E-07	4.18E-07	1.53E-07	2.09E-07	7.80E-08	4.18E-07	1.53E-07
3852	482363.1	3852877	9.09E-03	8.87E-03	8.75E-03	3.15E-06	9.50E-06	5.50E-06	5.37E-06	4.87E-06	2.22E-06	2.19E-06	0.00E+00	0.00E+00	1.01E-06	1.82E-07	1.16E-06	1.78E-07	1.70E-07	2.70E-06	2.87E-06	1.05E-06	1.43E-06	5.35E-07	2.87E-06	1.05E-06
3853	482863.1	3852877	3.90E-03	3.81E-03	3.76E-03	1.35E-06	4.08E-06	2.36E-06	2.30E-06	2.09E-06	9.53E-07	9.40E-07	0.00E+00	0.00E+00	4.34E-07	7.82E-08	4.96E-07	7.65E-08	7.28E-08	1.16E-06	1.23E-06	4.52E-07	6.15E-07	2.30E-07	1.23E-06	4.52E-07
3854	483363.1	3852877	1.65E-03	1.61E-03	1.59E-03	5.70E-07	1.72E-06	9.97E-07	9.72E-07	8.82E-07	4.02E-07	3.97E-07	0.00E+00	0.00E+00	1.83E-07	3.30E-08	2.09E-07	3.23E-08	3.07E-08	4.89E-07	5.20E-07	1.91E-07	2.59E-07	9.70E-08	5.20E-07	1.91E-07
3855	483863.1	3852877	9.59E-04	9.36E-04	9.23E-04	3.32E-07	1.00E-06	5.80E-07	5.66E-07	5.13E-07	2.34E-07	2.31E-07	0.00E+00	0.00E+00	1.07E-07	1.92E-08	1.22E-07	1.88E-08	1.79E-08	2.85E-07	3.03E-07	1.11E-07	1.51E-07	5.64E-08	3.03E-07	1.11E-07
3856	484363.1	3852877	8.63E-04	8.42E-04	8.31E-04	2.99E-07	9.02E-07	5.22E-07	5.10E-07	4.62E-07	2.11E-07	2.08E-07	0.00E+00	0.00E+00	9.61E-08	1.73E-08	1.10E-07	1.69E-08	1.61E-08	2.56E-07	2.72E-07	9.99E-08	1.36E-07	5.08E-08	2.72E-07	9.99E-08
3857	484863.1	3852877	7.79E-04	7.60E-04	7.50E-04	2.70E-07	8.14E-07	4.71E-07	4.60E-07	4.17E-07	1.90E-07	1.88E-07	0.00E+00	0.00E+00	8.67E-08	1.56E-08	9.90E-08	1.53E-08	1.45E-08	2.31E-07	2.46E-07	9.01E-08	1.23E-07	4.58E-08	2.46E-07	9.01E-08
3858	485363.1	3852877	6.15E-04	6.00E-04	5.92E-04	2.13E-07	6.43E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.85E-08	1.23E-08	7.82E-08	1.21E-08	1.15E-08	1.83E-07	1.94E-07	7.12E-08	9.69E-08	3.62E-08	1.94E-07	7.12E-08
3859	485863.1	3852877	5.41E-04	5.28E-04	5.21E-04	1.87E-07	5.65E-07	3.27E-07	3.19E-07	2.89E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	6.02E-08	1.08E-08	6.87E-08	1.06E-08	1.01E-08	1.60E-07	1.71E-07	6.26E-08	8.52E-08	3.18E-08	1.71E-07	6.26E-08
3860	486363.1	3852877	4.80E-04	4.69E-04	4.63E-04	1.66E-07	5.02E-07	2.91E-07	2.84E-07	2.57E-07	1.17E-07	1.16E-07	0.00E+00	0.00E+00	5.35E-08	9.63E-09	6.11E-08	9.42E-09	8.96E-09	1.43E-07	1.52E-07	5.56E-08	7.57E-08	2.83E-08	1.52E-07	5.56E-08
3861	486863.1	3852877	4.46E-04	4.35E-04	4.29E-04	1.54E-07	4.66E-07	2.70E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.96E-08	8.93E-09	5.67E-08	8.74E-09	8.31E-09	1.32E-07	1.41E-07	5.16E-08	7.02E-08	2.62E-08	1.41E-07	5.16E-08
3862	487363.1	3852877	4.07E-04	3.97E-04	3.92E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.94E-08	9.81E-08	0.00E+00	0.00E+00	4.53E-08	8.16E-09	5.18E-08	7.98E-09	7.59E-09	1.21E-07	1.28E-07	4.71E-08	6.41E-08	2.40E-08	1.28E-07	4.71E-08
3863	487863.1	3852877	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.25E-08	9.13E-08	0.00E+00	0.00E+00	4.22E-08	7.59E-09	4.82E-08	7.43E-09	7.07E-09	1.12E-07	1.20E-07	4.38E-08	5.97E-08	2.23E-08	1.20E-07	4.38E-08
3864	488363.1	3852877	3.17E-04	3.09E-04	3.05E-04	1.10E-07	3.31E-07	1.92E-07	1.87E-07	1.69E-07	7.73E-08	7.63E-08	0.00E+00	0.00E+00	3.52E-08	6.34E-09	4.03E-08	6.21E-09	5.91E-09	9.40E-08	9.99E-08	3.66E-08	4.99E-08	1.86E-08	9.99E-08	3.66E-08
3865	488863.1	3852877	3.15E-04	3.08E-04	3.04E-04	1.09E-07	3.30E-07	1.91E-07	1.86E-07	1.69E-07	7.70E-08	7.60E-08	0.00E+00	0.00E+00	3.51E-08	6.32E-09	4.01E-08	6.18E-09	5.88E-09	9.36E-08	9.95E-08	3.65E-08	4.97E-08	1.86E-08	9.95E-08	3.65E-08
3866	489363.1	3852877	3.07E-04	3.00E-04	2.96E-04	1.06E-07	3.21E-07	1.86E-07	1.81E-07	1.64E-07	7.50E-08	7.40E-08	0.00E+00	0.00E+00	3.42E-08	6.15E-09	3.90E-08	6.02E-09	5.73E-09	9.11E-08	9.69E-08	3.55E-08	4.84E-08	1.81E-08	9.69E-08	3.55E-08
3867	489863.1	3852877	2.99E-04	2.91E-04	2.88E-04	1.03E-07	3.12E-07	1.81E-07	1.76E-07	1.60E-07	7.30E-08	7.20E-08	0.00E+00	0.00E+00	3.33E-08	5.99E-09	3.80E-08	5.86E-09	5.57E-09	8.87E-08	9.43E-08	3.46E-08	4.71E-08	1.76E-08	9.43E-08	3.46E-08
3868	490363.1	3852877	3.22E-04	3.15E-04	3.10E-04	1.12E-07	3.37E-07	1.95E-07	1.90E-07	1.73E-07	7.87E-08	7.77E-08	0.00E+00	0.00E+00	3.59E-08	6.46E-09	4.10E-08	6.32E-09	6.02E-09	9.57E-08	1.02E-07	3.73E-08	5.08E-08	1.90E-08	1.02E-07	3.73E-08
3869	490863.1	3852877	3.24E-04	3.16E-04	3.12E-04	1.12E-07	3.39E-07	1.96E-07	1.91E-07	1.73E-07	7.91E-08	7.81E-08	0.00E+00	0.00E+00	3.61E-08	6.49E-09	4.12E-08	6.35E-09	6.05E-09	9.62E-08	1.02E-07	3.75E-08	5.10E-08	1.91E-08	1.02E-07	3.75E-08
3870	491363.1	3852877	3.24E-04	3.17E-04	3.12E-04	1.12E-07	3.39E-07	1.96E-07	1.92E-07	1.74E-07	7.92E-08	7.82E-08	0.00E+00	0.00E+00	3.61E-08	6.50E-09	4.13E-08	6.36E-09	6.05E-09	9.63E-08	1.02E-07	3.76E-08	5.11E-08	1.91E-08	1.02E-07	3.76E-08
3871	491863.1	3852877	3.19E-04	3.11E-04	3.07E-04	1.10E-07	3.33E-07	1.93E-07	1.88E-07	1.71E-07	7.78E-08	7.68E-08	0.00E+00	0.00E+00	3.55E-08	6.39E-09	4.05E-08	6.25E-09	5.95E-09	9.46E-08	1.01E-07	3.69E-08	5.02E-08	1.88E-08	1.01E-07	3.69E-08
3872	492363.1	3852877	3.15E-04	3.07E-04	3.03E-04	1.09E-07	3.29E-07	1.91E-07	1.86E-07	1.69E-07	7.69E-08	7.59E-08	0.00E+00	0.00E+00	3.51E-08	6.31E-09	4.00E-08	6.18E-09	5.88E-09	9.35E-08	9.94E-08	3.65E-08	4.96E-08	1.85E-08	9.94E-08	3.65E-08
3873	492863.1	3852877	3.17E-04	3.09E-04	3.05E-04	1.10E-07	3.31E-07	1.92E-07	1.87E-07	1.69E-07	7.73E-08	7.63E-08	0.00E+00	0.00E+00	3.52E-08	6.34E-09	4.03E-08	6.21E-09	5.91E-09	9.40E-08	9.99E-08	3.66E-08	4.99E-08	1.86E-08	9.99E-08	3.66E-08
3874	493363.1	3852877	3.14E-04	3.07E-04	3.03E-04	1.09E-07	3.29E-07	1.90E-07	1.86E-07	1.68E-07	7.68E-08	7.58E-08	0.00E+00	0.00E+00	3.50E-08	6.30E-09	4.00E-08	6.17E-09	5.87E-09	9.33E-08	9.93E-08	3.64E-08	4.95E-08	1.85E-08	9.93E-08	3.64E-08
3875	493863.1	3852877	3.05E-04	2.98E-04	2.94E-04	1.06E-07	3.19E-07	1.85E-07	1.80E-07	1.63E-07	7.46E-08	7.36E-08	0.00E+00	0.00E+00	3.40E-08	6.12E-09	3.88E-08	5.99E-09	5.70E-09	9.06E-08	9.64E-08	3.53E-08	4.81E-08	1.80E-08	9.64E-08	3.53E-08
3876	494363.1	3852877	2.98E-04	2.91E-04	2.87E-04	1.03E-07	3.11E-07	1.80E-07	1.76E-07	1.59E-07	7.27E-08	7.18E-08	0.00E+00	0.00E+00	3.32E-08	5.97E-09	3.79E-08	5.84E-09	5.56E-09	8.84E-08	9.40E-08	3.45E-08	4.69E-08	1.75E-08	9.40E-08	3.45E-08
3877	494863.1	3852877	2.93E-04	2.86E-04	2.82E-04	1.01E-07	3.06E-07	1.77E-07	1.73E-07	1.57E-07	7.15E-08	7.06E-08	0.00E+00	0.00E+00	3.26E-08	5.87E-09	3.72E-08	5.74E-09	5.47E-09	8.69E-08	9.24E-08	3.39E-08	4.61E-08	1.72E-08	9.24E-08	3.39E-08
3878	495363.1	3852877	2.81E-04	2.74E-04	2.70E-04	9.72E-08	2.94E-07	1.70E-07	1.66E-07	1.50E-07	6.86E-08	6.77E-08	0.00E+00	0.00E+00	3.13E-08	5.63E-09	3.57E-08	5.51E-09	5.24E-09	8.34E-08	8.86E-08	3.25E-08	4.42E-08	1.65E-08	8.86E-08	3.25E-08
3879	495863.1	3852877	2.70E-04	2.63E-04	2.60E-04	9.34E-08	2.82E-07	1.63E-07	1.59E-07	1.44E-07	6.59E-08	6.50E-08	0.00E+00	0.00E+00	3.00E-08	5.40E-09	3.43E-08	5.29E-09	5.03E-09	8.00E-08	8.51E-08	3.12E-08	4.25E-08	1.59E-08	8.51E-08	3.12E-08
3880	496363.1	3852877	2.64E-04	2.57E-04	2.54E-04	9.13E-08	2.76E-07	1.60E-07	1.56E-07	1.41E-07	6.44E-08	6.36E-08	0.00E+00	0.00E+00	2.94E-08	5.29E-09	3.36E-08	5.17E-09	4.92E-09	7.83E-08	8.33E-08	3.05E-08	4.16E-08	1.55E-08	8.33E-08	3.05E-08
3881	496863.1	3852877	2.55E-04	2.49E-04	2.46E-04	8.83E-08	2.67E-07	1.54E-07	1.51E-07	1.37E-07	6.23E-08	6.15E-08	0.00E+00	0.00E+00	2.84E-08	5.11E-09	3.24E-08	5.00E-09	4.76E-09	7.57E-08	8.05E-08	2.95E-08	4.02E-08	1.50E-08	8.05E-08	2.95E-08
3882	497363.1	3852877	2.36E-04	2.31E-04	2.28E-04	8.19E-08	2.47E-07	1.43E-07	1.40E-07	1.27E-07	5.78E-08	5.70E-08	0.00E+00	0.00E+00	2.63E-08	4.74E-09	3.01E-08	4.64E-09	4.41E-09	7.02E-08	7.46E-08	2.74E-08	3.73E-08	1.39E-08	7.46E-08	2.74E-08
3883	497863.1	3852877	2.07E-04	2.02E-04	2.00E-04	7.18E-08	2.17E-07	1.26E-07	1.22E-07	1.11E-07	5.07E-08	5.00E-08	0.00E+00	0.00E+00	2.31E-08	4.16E-09	2.64E-08	4.07E-09	3.87E-09	6.16E-08	6.55E-08	2.40E-08	3.27E-08	1.22E-08	6.55E-08	2.40E-08
3884	498363.1	3852877	2.01E-04	1.96E-04	1.93E-04	6.95E-08	2.10E-07	1.21E-07	1.19E-07	1.07E-07	4.90E-08	4.84E-08	0.00E+00	0.00E+00	2.24E-08	4.02E-09	2.55E-08	3.94E-09	3.75E-09	5.96E-08	6.34E-08	2.32E-08	3.16E-08	1.18E-08	6.34E-08	2.32E-08
3885	471363.1	3853377	1.30E-04	1.27E-04	1.25E-04	4.51E-08	1.36E-07	7.88E-08	7.69E-08	6.97E-08	3.18E-08	3.14E-08	0.00E+00	0.00E+00	1.45E-08	2.61E-09	1.66E-08	2.55E-09	2.43E-09	3.87E-08	4.11E-08	1.51E-08	2.05E-08	7.67E-09	4.11E-08	1.51E-08
3886	471863.1	3853377	1.36E-04	1.33E-04	1.31E-04	4.72E-08	1.43E-07	8.26E-08	8.06E-08	7.31E-08	3.33E-08	3.29E-08	0.00E+00	0.00E+00	1.52E-08	2.74E-09	1.74E-08	2.68E-09	2.55E-09	4.05E-08	4.31E-08	1.58E-08	2.15E-08	8.04E-09	4.31E-08	1.58E-08
3887	472363.1	3853377	1.42E-04	1.39E-04	1.37E-04	4.93E-08	1.49E-07	8.61E-08	8.40E-08	7.62E-08	3.48E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.85E-09	1.81E-08	2.79E-09	2.66E-09	4.22E-08	4.49E-08	1.65E-08	2.24E-08	8.38E-09	4.49E-08	1.65E-08
3888	472863.1	3853377	1.49E-04	1.45E-04	1.43E-04	5.14E-08	1.55E-07	8.99E-08	8.77E-08	7.95E-08	3.63E-08	3.58E-08	0.00E+00	0.00E+00	1.65E-08	2.98E-09	1.89E-08	2.91E-09	2.77E-09	4.41E-08	4.69E-08	1.72E-08	2.34E-08	8.74E-09	4.69E-08	1.72E-08
3889	473363.1	3853377	1.54E-04	1.50E-04	1.48E-04	5.33E-08	1.61E-07	9.31E-08	9.09E-08	8.24E-08	3.76E-08	3.71E-08	0.00E+00	0.00E+00	1.71E-08	3.08E-09	1.96E-08	3.02E-09	2.87E-09	4.57E-08	4.86E-08	1.78E-08	2.42E-08	9.06E-09	4.86E-08	1.78E-08
3890	473863.1	3853377	1.60E-04	1.56E-04	1.54E-04	5.53E-08	1.67E-07	9.66E-08	9.43E-08	8.55E-08	3.90E-08	3.85E-08	0.00E+00	0.00E+00	1.78E-08	3.20E-09	2.03E-08	3.13E-09	2.98E-09	4.74E-08	5.04E-08	1.85E-08	2.52E-08	9.40E-09	5.04E-08	1.85E-08
3891	474363.1	3853377	1.65E-04	1.61E-04	1.59E-04	5.72E-08	1.73E-07	9.99E-08	9.75E-08	8.84E-08	4.03E-08	3.98E-08	0.00E+00	0.00E+00	1.84E-08	3.31E-09	2.10E-08	3.24E-09	3.08E-09	4.90E-08	5.21E-08	1.91E-08	2.60E-08	9.72E-09	5.21E-08	1.91E-08
3892	474863.1	3853377	1.66E-04	1.62E-04	1.59E-04	5.73E-08	1.73E-07	1.00E-07	9.77E-08	8.86E-08	4.04E-08	3.99E-08	0.00E+00	0.00E+00	1.84E-08	3.32E-09	2.11E-08	3.25E-09	3.09E-09	4.91E-08	5.22E-08	1.92E-08	2.61E-08	9.74E-09	5.22E-08	1.92E-08
3893	475363.1	3853377	1.70E-04	1.66E-04	1.63E-04	5.87E-08	1.77E-07	1.03E-07	1.00E-07	9.08E-08	4.14E-08	4.09E-08	0.00E+00	0.00E+00	1.89E-08	3.40E-09	2.16E-08	3.33E-09	3.17E-09	5.04E-08	5.36E-08	1.96E-08	2.67E-08	9.99E-09	5.36E-08	1.96E-08
3894	475863.1	3853377	1.74E-04	1.70E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.03E-07	9.33E-08	4.26E-08	4.20E-08	0.00E+00	0.00E+00	1.94E-08	3.49E-09	2.22E-08	3.42E-09	3.25E-09	5.17E-08	5.50E-08	2.02E-08	2.75E-08	1.03E-08	5.50E-08	2.02E-08
3895	476363.1	3853377	1.73E-04	1.68E-04	1.66E-04	5.97E-08	1.80E-07	1.04E-07	1.02E-07	9.24E-08	4.21E-08	4.16E-08	0.00E+00	0.00E+00	1.92E-08	3.46E-09	2.19E-08	3.38E-09	3.22E-09	5.12E-08	5.45E-08	2.00E-08	2.72E-08	1.02E-08	5.45E-08	2.00E-08
3896	476863.1	3853377	1.66E-04	1.62E-04	1.60E-04	5.76E-08	1.74E-07	1.01E-07	9.82E-08	8.90E-08	4.06E-08	4.01E-08	0.00E+00	0.00E+00	1.85E-08	3.33E-09	2.12E-08	3.26E-09	3.10E-09	4.94E-08	5.25E-08	1.93E-08	2.62E-08	9.79E-09	5.25E-08	1.93E-08
3897	477363.1	3853377	1.71E-04	1.66E-04	1.64E-04	5.90E-08	1.78E-07	1.03E-07	1.01E-07	9.13E-08	4.16E-08	4.11E-08	0.00E+00	0.00E+00	1.90E-08	3.42E-09	2.17E-08	3.34E-09	3.18E-09	5.06E-08	5.38E-08	1.97E-08	2.69E-08	1.00E-08	5.38E-08	1.97E-08
3898	477863.1	3853377	1.75E-04	1.71E-04	1.69E-04	6.07E-08	1.83E-07	1.06E-07	1.04E-07	9.39E-08	4.29E-08	4.23E-08	0.00E+00	0.00E+00	1.95E-08	3.52E-09	2.23E-08	3.44E-09	3.27E-09	5.21E-08	5.54E-08	2.03E-08	2.76E-08	1.03E-08	5.54E-08	2.03E-08
3899	478363.1	3853377	1.70E-04	1.66E-04	1.63E-04	5.87E-08	1.77E-07	1.03E-07	1.00E-07	9.08E-08	4.14E-08	4.09E-08	0.00E+00	0.00E+00	1.89E-08	3.40E-09	2.16E-08	3.33E-09	3.17E-09	5.04E-08	5.36E-08	1.96E-08	2.67E-08	9.99E-09	5.36E-08	1.96E-08
3900	478863.1	3853377	1.63E-04	1.59E-04	1.57E-04	5.64E-08	1.70E-07	9.87E-08	9.63E-08	8.73E-08	3.98E-08	3.93E-08	0.00E+00	0.00E+00	1.81E-08	3.27E-09	2.07E-08	3.20E-09	3.04E-09	4.84E-08	5.15E-08	1.89E-08	2.57E-08	9.60E-09	5.15E-08	1.89E-08
3901	479363.1	3853377	2.03E-04	1.98E-04	1.95E-04	7.02E-08	2.12E-07	1.23E-07	1.20E-07	1.09E-07	4.95E-08	4.89E-08	0.00E+00	0.00E+00	2.26E-08	4.07E-09	2.58E-08	3.98E-09	3.79E-09	6.02E-08	6.40E-08	2.35E-08	3.20E-08	1.19E-08	6.40E-08	2.35E-08
3902	479863.1	3853377	2.55E-04	2.49E-04	2.45E-04	8.82E-08	2.66E-07	1.54E-07	1.50E-07	1.36E-07	6.22E-08	6.14E-08	0.00E+00	0.00E+00	2.84E-08	5.11E-09	3.24E-08	5.00E-09	4.75E-09	7.56E-08	8.04E-08	2.95E-08	4.01E-08	1.50E-08	8.04E-08	2.95E-08
3903	480363.1	3853377	3.52E-04	3.43E-04	3.39E-04	1.22E-07	3.68E-07	2.13E-07	2.08E-07	1.88E-07	8.59E-08	8.48E-08	0.00E+00	0.00E+00	3.92E-08	7.05E-09	4.47E-08	6.90E-09	6.56E-09	1.04E-07	1.11E-07	4.07E-08	5.54E-08	2.07E-08	1.11E-07	4.07E-08
3904	480863.1	3853377	3.77E-04	3.68E-04	3.63E-04	1.30E-07	3.94E-07	2.28E-07	2.22E-07	2.02E-07	9.20E-08	9.08E-08	0.00E+00	0.00E+00	4.19E-08	7.55E-09	4.79E-08	7.39E-09	7.03E-09	1.12E-07	1.19E-07	4.36E-08	5.93E-08	2.22E-08	1.19E-07	4.36E-08
3905	481363.1	3853377	5.42E-04	5.29E-04	5.22E-04	1.88E-07	5.66E-07	3.28E-07	3.20E-07	2.90E-07	1.32E-07	1.31E-07	0.00E+00	0.00E+00	6.03E-08	1.09E-08	6.89E-08	1.06E-08	1.01E-08	1.61E-07	1.71E-07	6.27E-08	8.54E-08	3.19E-08	1.71E-07	6.27E-08
3906	481863.1	3853377	8.42E-04	8.22E-04	8.11E-04	2.92E-07	8.80E-07	5.10E-07	4.97E-07	4.51E-07	2.06E-07	2.03E-07	0.00E+00	0.00E+00	9.37E-08	1.69E-08	1.07E-07	1.65E-08	1.57E-08	2.50E-07	2.66E-07	9.75E-08	1.33E-07	4.96E-08	2.66E-07	9.75E-08
3907	482363.1	3853377	1.64E-03	1.60E-03	1.58E-03	5.69E-07	1.72E-06	9.95E-07	9.71E-07	8.80E-07	4.02E-07	3.96E-07	0.00E+00	0.00E+00	1.83E-07	3.30E-08	2.09E-07	3.23E-08	3.07E-08	4.88E-07	5.19E-07	1.90E-07	2.59E-07	9.68E-08	5.19E-07	1.90E-07
3908	482863.1	3853377	1.13E-02	1.10E-02	1.08E-02	3.90E-06	1.18E-05	6.82E-06	6.65E-06	6.03E-06	2.75E-06	2.72E-06	0.00E+00	0.00E+00	1.25E-06	2.26E-07	1.43E-06	2.21E-07	2.10E-07	3.34E-06	3.56E-06	1.30E-06	1.77E-06	6.63E-07	3.56E-06	1.30E-06
3909	483363.1	3853377	2.19E-03	2.13E-03	2.11E-03	7.57E-07	2.29E-06	1.32E-06	1.29E-06	1.17E-06	5.34E-07	5.27E-07	0.00E+00	0.00E+00	2.44E-07	4.38E-08	2.78E-07	4.29E-08	4.08E-08	6.49E-07	6.90E-07	2.53E-07	3.45E-07	1.29E-07	6.90E-07	2.53E-07
3910	483863.1	3853377	1.30E-03	1.27E-03	1.25E-03	4.51E-07	1.36E-06	7.88E-07	7.69E-07	6.97E-07	3.18E-07	3.14E-07	0.00E+00	0.00E+00	1.45E-07	2.61E-08	1.66E-07	2.55E-08	2.43E-08	3.87E-07	4.11E-07	1.51E-07	2.05E-07	7.67E-08	4.11E-07	1.51E-07
3911	484363.1	3853377	1.01E-03	9.85E-04	9.72E-04	3.50E-07	1.06E-06	6.11E-07	5.96E-07	5.40E-07	2.47E-07	2.43E-07	0.00E+00	0.00E+00	1.12E-07	2.02E-08	1.28E-07	1.98E-08	1.88E-08	3.00E-07	3.19E-07	1.17E-07	1.59E-07	5.94E-08	3.19E-07	1.17E-07
3912	484863.1	3853377	7.48E-04	7.30E-04	7.21E-04	2.59E-07	7.82E-07	4.53E-07	4.42E-07	4.01E-07	1.83E-07	1.80E-07	0.00E+00	0.00E+00	8.33E-08	1.50E-08	9.52E-08	1.47E-08	1.40E-08	2.22E-07	2.36E-07	8.66E-08	1.18E-07	4.41E-08	2.36E-07	8.66E-08
3913	485363.1	3853377	5.74E-04	5.60E-04	5.53E-04	1.99E-07	6.00E-07	3.47E-07	3.39E-07	3.07E-07	1.40E-07	1.38E-07	0.00E+00	0.00E+00	6.39E-08	1.15E-08	7.30E-08	1.13E-08	1.07E-08	1.70E-07	1.81E-07	6.65E-08	9.05E-08	3.38E-08	1.81E-07	6.65E-08
3914	485863.1	3853377	4.80E-04	4.69E-04	4.63E-04	1.66E-07	5.02E-07	2.91E-07	2.84E-07	2.57E-07	1.17E-07	1.16E-07	0.00E+00	0.00E+00	5.35E-08	9.63E-09	6.11E-08	9.42E-09	8.96E-09	1.43E-07	1.52E-07	5.56E-08	7.57E-08	2.83E-08	1.52E-07	5.56E-08
3915	486363.1	3853377	4.59E-04	4.48E-04	4.42E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	5.11E-08	9.20E-09	5.84E-08	9.01E-09	8.57E-09	1.36E-07	1.45E-07	5.32E-08	7.24E-08	2.70E-08	1.45E-07	5.32E-08
3916	486863.1	3853377	4.35E-04	4.24E-04	4.19E-04	1.51E-07	4.54E-07	2.63E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.84E-08	8.71E-09	5.53E-08	8.53E-09	8.11E-09	1.29E-07	1.37E-07	5.03E-08	6.85E-08	2.56E-08	1.37E-07	5.03E-08
3917	487363.1	3853377	4.24E-04	4.14E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.27E-07	1.04E-07	1.02E-07	0.00E+00	0.00E+00	4.72E-08	8.51E-09	5.40E-08	8.32E-09	7.92E-09	1.26E-07	1.34E-07	4.91E-08	6.69E-08	2.50E-08	1.34E-07	4.91E-08
3918	487863.1	3853377	4.11E-04	4.01E-04	3.96E-04	1.42E-07	4.30E-07	2.49E-07	2.43E-07	2.20E-07	1.00E-07	9.91E-08	0.00E+00	0.00E+00	4.58E-08	8.24E-09	5.23E-08	8.06E-09	7.67E-09	1.22E-07	1.30E-07	4.76E-08	6.48E-08	2.42E-08	1.30E-07	4.76E-08
3919	488363.1	3853377	4.03E-04	3.94E-04	3.88E-04	1.40E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.85E-08	9.72E-08	0.00E+00	0.00E+00	4.49E-08	8.08E-09	5.13E-08	7.91E-09	7.52E-09	1.20E-07	1.27E-07	4.67E-08	6.35E-08	2.37E-08	1.27E-07	4.67E-08
3920	488863.1	3853377	3.87E-04	3.78E-04	3.73E-04	1.34E-07	4.05E-07	2.34E-07	2.29E-07	2.07E-07	9.46E-08	9.34E-08	0.00E+00	0.00E+00	4.31E-08	7.77E-09	4.93E-08	7.60E-09	7.23E-09	1.15E-07	1.22E-07	4.49E-08	6.10E-08	2.28E-08	1.22E-07	4.49E-08

3921	489363.1	3853377	3.74E-04	3.65E-04	3.60E-04	1.29E-07	3.91E-07	2.26E-07	2.21E-07	2.00E-07	9.13E-08	9.01E-08	0.00E+00	0.00E+00	4.16E-08	7.49E-09	4.75E-08	7.33E-09	6.98E-09	1.11E-07	1.18E-07	4.33E-08	5.89E-08	2.20E-08	1.18E-07	4.33E-08
3922	489863.1	3853377	3.58E-04	3.49E-04	3.45E-04	1.24E-07	3.74E-07	2.17E-07	2.11E-07	1.92E-07	8.74E-08	8.63E-08	0.00E+00	0.00E+00	3.99E-08	7.18E-09	4.55E-08	7.02E-09	6.68E-09	1.06E-07	1.13E-07	4.14E-08	5.64E-08	2.11E-08	1.13E-07	4.14E-08
3923	490363.1	3853377	3.57E-04	3.49E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.72E-08	8.61E-08	0.00E+00	0.00E+00	3.98E-08	7.16E-09	4.54E-08	7.01E-09	6.67E-09	1.06E-07	1.13E-07	4.14E-08	5.63E-08	2.10E-08	1.13E-07	4.14E-08
3924	490863.1	3853377	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	0.00E+00	0.00E+00	3.93E-08	7.07E-09	4.48E-08	6.92E-09	6.58E-09	1.05E-07	1.11E-07	4.08E-08	5.56E-08	2.08E-08	1.11E-07	4.08E-08
3925	491363.1	3853377	3.48E-04	3.39E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.49E-08	8.38E-08	0.00E+00	0.00E+00	3.87E-08	6.97E-09	4.42E-08	6.82E-09	6.49E-09	1.03E-07	1.10E-07	4.02E-08	5.48E-08	2.05E-08	1.10E-07	4.02E-08
3926	491863.1	3853377	3.41E-04	3.33E-04	3.29E-04	1.18E-07	3.57E-07	2.07E-07	2.02E-07	1.83E-07	8.34E-08	8.23E-08	0.00E+00	0.00E+00	3.80E-08	6.84E-09	4.34E-08	6.70E-09	6.37E-09	1.01E-07	1.08E-07	3.95E-08	5.38E-08	2.01E-08	1.08E-07	3.95E-08
3927	492363.1	3853377	3.40E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.31E-08	8.20E-08	0.00E+00	0.00E+00	3.79E-08	6.82E-09	4.33E-08	6.67E-09	6.35E-09	1.01E-07	1.07E-07	3.94E-08	5.36E-08	2.00E-08	1.07E-07	3.94E-08
3928	492863.1	3853377	3.39E-04	3.30E-04	3.26E-04	1.17E-07	3.54E-07	2.05E-07	2.00E-07	1.81E-07	8.27E-08	8.16E-08	0.00E+00	0.00E+00	3.77E-08	6.78E-09	4.31E-08	6.64E-09	6.32E-09	1.00E-07	1.07E-07	3.92E-08	5.33E-08	1.99E-08	1.07E-07	3.92E-08
3929	493363.1	3853377	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.12E-08	8.01E-08	0.00E+00	0.00E+00	3.70E-08	6.66E-09	4.23E-08	6.52E-09	6.20E-09	9.86E-08	1.05E-07	3.85E-08	5.24E-08	1.96E-08	1.05E-07	3.85E-08
3930	493863.1	3853377	3.25E-04	3.17E-04	3.13E-04	1.12E-07	3.40E-07	1.97E-07	1.92E-07	1.74E-07	7.93E-08	7.83E-08	0.00E+00	0.00E+00	3.62E-08	6.51E-09	4.13E-08	6.37E-09	6.06E-09	9.64E-08	1.03E-07	3.76E-08	5.12E-08	1.91E-08	1.03E-07	3.76E-08
3931	494363.1	3853377	3.13E-04	3.06E-04	3.02E-04	1.08E-07	3.27E-07	1.90E-07	1.85E-07	1.68E-07	7.65E-08	7.55E-08	0.00E+00	0.00E+00	3.49E-08	6.28E-09	3.98E-08	6.14E-09	5.84E-09	9.30E-08	9.89E-08	3.63E-08	4.93E-08	1.84E-08	9.89E-08	3.63E-08
3932	494863.1	3853377	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.82E-07	1.77E-07	1.61E-07	7.34E-08	7.24E-08	0.00E+00	0.00E+00	3.34E-08	6.02E-09	3.82E-08	5.89E-09	5.60E-09	8.91E-08	9.48E-08	3.48E-08	4.73E-08	1.77E-08	9.48E-08	3.48E-08
3933	495363.1	3853377	2.92E-04	2.85E-04	2.82E-04	1.01E-07	3.06E-07	1.77E-07	1.73E-07	1.57E-07	7.14E-08	7.05E-08	0.00E+00	0.00E+00	3.26E-08	5.86E-09	3.72E-08	5.74E-09	5.46E-09	8.68E-08	9.23E-08	3.39E-08	4.61E-08	1.72E-08	9.23E-08	3.39E-08
3934	495863.1	3853377	2.82E-04	2.75E-04	2.71E-04	9.75E-08	2.94E-07	1.70E-07	1.66E-07	1.51E-07	6.88E-08	6.79E-08	0.00E+00	0.00E+00	3.14E-08	5.65E-09	3.58E-08	5.52E-09	5.26E-09	8.36E-08	8.89E-08	3.26E-08	4.44E-08	1.66E-08	8.89E-08	3.26E-08
3935	496363.1	3853377	2.68E-04	2.62E-04	2.58E-04	9.29E-08	2.81E-07	1.62E-07	1.58E-07	1.44E-07	6.56E-08	6.47E-08	0.00E+00	0.00E+00	2.99E-08	5.38E-09	3.41E-08	5.26E-09	5.01E-09	7.97E-08	8.47E-08	3.11E-08	4.23E-08	1.58E-08	8.47E-08	3.11E-08
3936	496863.1	3853377	2.51E-04	2.45E-04	2.41E-04	8.67E-08	2.62E-07	1.52E-07	1.48E-07	1.34E-07	6.12E-08	6.04E-08	0.00E+00	0.00E+00	2.79E-08	5.02E-09	3.19E-08	4.91E-09	4.68E-09	7.44E-08	7.91E-08	2.90E-08	3.95E-08	1.48E-08	7.91E-08	2.90E-08
3937	497363.1	3853377	2.29E-04	2.23E-04	2.21E-04	7.93E-08	2.39E-07	1.39E-07	1.35E-07	1.23E-07	5.59E-08	5.52E-08	0.00E+00	0.00E+00	2.55E-08	4.59E-09	2.91E-08	4.49E-09	4.27E-09	6.80E-08	7.23E-08	2.65E-08	3.61E-08	1.35E-08	7.23E-08	2.65E-08
3938	497863.1	3853377	1.93E-04	1.88E-04	1.85E-04	6.66E-08	2.01E-07	1.16E-07	1.14E-07	1.03E-07	4.70E-08	4.64E-08	0.00E+00	0.00E+00	2.14E-08	3.86E-09	2.45E-08	3.78E-09	3.59E-09	5.71E-08	6.08E-08	2.23E-08	3.03E-08	1.13E-08	6.08E-08	2.23E-08
3939	498363.1	3853377	1.75E-04	1.70E-04	1.68E-04	6.05E-08	1.83E-07	1.06E-07	1.03E-07	9.35E-08	4.27E-08	4.21E-08	0.00E+00	0.00E+00	1.94E-08	3.50E-09	2.22E-08	3.43E-09	3.26E-09	5.18E-08	5.51E-08	2.02E-08	2.75E-08	1.03E-08	5.51E-08	2.02E-08
3940	471363.1	3853877	1.25E-04	1.22E-04	1.21E-04	4.34E-08	1.31E-07	7.58E-08	7.40E-08	6.71E-08	3.06E-08	3.02E-08	0.00E+00	0.00E+00	1.39E-08	2.51E-09	1.59E-08	2.46E-09	2.34E-09	3.72E-08	3.95E-08	1.45E-08	1.97E-08	7.38E-09	3.95E-08	1.45E-08
3941	471863.1	3853877	1.32E-04	1.28E-04	1.27E-04	4.55E-08	1.37E-07	7.96E-08	7.77E-08	7.04E-08	3.21E-08	3.17E-08	0.00E+00	0.00E+00	1.46E-08	2.64E-09	1.67E-08	2.58E-09	2.45E-09	3.90E-08	4.15E-08	1.52E-08	2.07E-08	7.74E-09	4.15E-08	1.52E-08
3942	472363.1	3853877	1.36E-04	1.32E-04	1.31E-04	4.70E-08	1.42E-07	8.21E-08	8.01E-08	7.26E-08	3.31E-08	3.27E-08	0.00E+00	0.00E+00	1.51E-08	2.72E-09	1.73E-08	2.66E-09	2.53E-09	4.03E-08	4.28E-08	1.57E-08	2.14E-08	7.99E-09	4.28E-08	1.57E-08
3943	472863.1	3853877	1.41E-04	1.38E-04	1.36E-04	4.88E-08	1.47E-07	8.54E-08	8.33E-08	7.55E-08	3.44E-08	3.40E-08	0.00E+00	0.00E+00	1.57E-08	2.83E-09	1.79E-08	2.77E-09	2.63E-09	4.19E-08	4.45E-08	1.63E-08	2.22E-08	8.30E-09	4.45E-08	1.63E-08
3944	473363.1	3853877	1.44E-04	1.41E-04	1.39E-04	5.00E-08	1.51E-07	8.74E-08	8.52E-08	7.73E-08	3.53E-08	3.48E-08	0.00E+00	0.00E+00	1.61E-08	2.89E-09	1.84E-08	2.83E-09	2.69E-09	4.29E-08	4.56E-08	1.67E-08	2.27E-08	8.50E-09	4.56E-08	1.67E-08
3945	473863.1	3853877	1.48E-04	1.45E-04	1.43E-04	5.13E-08	1.55E-07	8.96E-08	8.75E-08	7.93E-08	3.62E-08	3.57E-08	0.00E+00	0.00E+00	1.65E-08	2.97E-09	1.88E-08	2.90E-09	2.76E-09	4.40E-08	4.67E-08	1.71E-08	2.33E-08	8.72E-09	4.67E-08	1.71E-08
3946	474363.1	3853877	1.53E-04	1.49E-04	1.47E-04	5.30E-08	1.60E-07	9.26E-08	9.04E-08	8.19E-08	3.74E-08	3.69E-08	0.00E+00	0.00E+00	1.70E-08	3.07E-09	1.95E-08	3.00E-09	2.86E-09	4.54E-08	4.83E-08	1.77E-08	2.41E-08	9.01E-09	4.83E-08	1.77E-08
3947	474863.1	3853877	1.57E-04	1.53E-04	1.51E-04	5.43E-08	1.64E-07	9.49E-08	9.26E-08	8.39E-08	3.83E-08	3.78E-08	0.00E+00	0.00E+00	1.75E-08	3.14E-09	1.99E-08	3.08E-09	2.93E-09	4.65E-08	4.95E-08	1.82E-08	2.47E-08	9.23E-09	4.95E-08	1.82E-08
3948	475363.1	3853877	1.56E-04	1.52E-04	1.50E-04	5.40E-08	1.63E-07	9.44E-08	9.21E-08	8.35E-08	3.81E-08	3.76E-08	0.00E+00	0.00E+00	1.74E-08	3.13E-09	1.98E-08	3.06E-09	2.91E-09	4.63E-08	4.92E-08	1.81E-08	2.46E-08	9.18E-09	4.92E-08	1.81E-08
3949	475863.1	3853877	1.50E-04	1.47E-04	1.45E-04	5.20E-08	1.57E-07	9.09E-08	8.87E-08	8.04E-08	3.67E-08	3.62E-08	0.00E+00	0.00E+00	1.67E-08	3.01E-09	1.91E-08	2.95E-09	2.80E-09	4.46E-08	4.74E-08	1.74E-08	2.37E-08	8.84E-09	4.74E-08	1.74E-08
3950	476363.1	3853877	1.46E-04	1.42E-04	1.40E-04	5.04E-08	1.52E-07	8.81E-08	8.60E-08	7.79E-08	3.56E-08	3.51E-08	0.00E+00	0.00E+00	1.62E-08	2.92E-09	1.85E-08	2.86E-09	2.72E-09	4.32E-08	4.60E-08	1.69E-08	2.29E-08	8.57E-09	4.60E-08	1.69E-08
3951	476863.1	3853877	1.39E-04	1.36E-04	1.34E-04	4.81E-08	1.45E-07	8.41E-08	8.21E-08	7.44E-08	3.39E-08	3.35E-08	0.00E+00	0.00E+00	1.55E-08	2.79E-09	1.77E-08	2.73E-09	2.59E-09	4.12E-08	4.39E-08	1.61E-08	2.19E-08	8.18E-09	4.39E-08	1.61E-08
3952	477363.1	3853877	1.48E-04	1.44E-04	1.42E-04	5.11E-08	1.54E-07	8.94E-08	8.72E-08	7.91E-08	3.61E-08	3.56E-08	0.00E+00	0.00E+00	1.64E-08	2.96E-09	1.88E-08	2.90E-09	2.76E-09	4.38E-08	4.66E-08	1.71E-08	2.33E-08	8.69E-09	4.66E-08	1.71E-08
3953	477863.1	3853877	1.58E-04	1.54E-04	1.52E-04	5.47E-08	1.65E-07	9.56E-08	9.33E-08	8.46E-08	3.86E-08	3.81E-08	0.00E+00	0.00E+00	1.76E-08	3.17E-09	2.01E-08	3.10E-09	2.95E-09	4.69E-08	4.99E-08	1.83E-08	2.49E-08	9.31E-09	4.99E-08	1.83E-08
3954	478363.1	3853877	1.63E-04	1.60E-04	1.57E-04	5.66E-08	1.71E-07	9.89E-08	9.65E-08	8.75E-08	3.99E-08	3.94E-08	0.00E+00	0.00E+00	1.82E-08	3.28E-09	2.08E-08	3.21E-09	3.05E-09	4.85E-08	5.16E-08	1.89E-08	2.58E-08	9.62E-09	5.16E-08	1.89E-08
3955	478863.1	3853877	1.51E-04	1.47E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	8.89E-08	8.06E-08	3.68E-08	3.63E-08	0.00E+00	0.00E+00	1.68E-08	3.02E-09	1.92E-08	2.95E-09	2.81E-09	4.47E-08	4.75E-08	1.74E-08	2.37E-08	8.87E-09	4.75E-08	1.74E-08
3956	479363.1	3853877	1.71E-04	1.67E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.01E-07	9.17E-08	4.18E-08	4.13E-08	0.00E+00	0.00E+00	1.91E-08	3.43E-09	2.18E-08	3.36E-09	3.20E-09	5.09E-08	5.41E-08	1.98E-08	2.70E-08	1.01E-08	5.41E-08	1.98E-08
3957	479863.1	3853877	2.23E-04	2.17E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.32E-07	1.19E-07	5.44E-08	5.37E-08	0.00E+00	0.00E+00	2.48E-08	4.46E-09	2.83E-08	4.37E-09	4.16E-09	6.61E-08	7.03E-08	2.58E-08	3.51E-08	1.31E-08	7.03E-08	2.58E-08
3958	480363.1	3853877	2.77E-04	2.70E-04	2.67E-04	9.59E-08	2.90E-07	1.68E-07	1.64E-07	1.48E-07	6.77E-08	6.68E-08	0.00E+00	0.00E+00	3.08E-08	5.55E-09	3.52E-08	5.43E-09	5.17E-09	8.23E-08	8.75E-08	3.21E-08	4.37E-08	1.63E-08	8.75E-08	3.21E-08
3959	480863.1	3853877	3.75E-04	3.66E-04	3.61E-04	1.30E-07	3.92E-07	2.27E-07	2.21E-07	2.01E-07	9.15E-08	9.03E-08	0.00E+00	0.00E+00	4.17E-08	7.51E-09	4.76E-08	7.35E-09	6.99E-09	1.11E-07	1.18E-07	4.34E-08	5.90E-08	2.21E-08	1.18E-07	4.34E-08
3960	481363.1	3853877	4.82E-04	4.70E-04	4.64E-04	1.67E-07	5.03E-07	2.91E-07	2.84E-07	2.58E-07	1.18E-07	1.16E-07	0.00E+00	0.00E+00	5.36E-08	9.65E-09	6.13E-08	9.45E-09	8.99E-09	1.43E-07	1.52E-07	5.58E-08	7.59E-08	2.84E-08	1.52E-07	5.58E-08
3961	481863.1	3853877	6.91E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.66E-07	0.00E+00	0.00E+00	7.69E-08	1.38E-08	8.78E-08	1.35E-08	1.29E-08	2.05E-07	2.18E-07	8.00E-08	1.09E-07	4.07E-08	2.18E-07	8.00E-08
3962	482363.1	3853877	1.17E-03	1.14E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	6.93E-07	6.28E-07	2.87E-07	2.83E-07	0.00E+00	0.00E+00	1.31E-07	2.35E-08	1.49E-07	2.30E-08	2.19E-08	3.48E-07	3.70E-07	1.36E-07	1.85E-07	6.91E-08	3.70E-07	1.36E-07
3963	482863.1	3853877	1.43E-02	1.39E-02	1.37E-02	4.94E-06	1.49E-05	8.63E-06	8.43E-06	7.64E-06	3.48E-06	3.44E-06	0.00E+00	0.00E+00	1.59E-06	2.86E-07	1.81E-06	2.80E-07	2.66E-07	4.24E-06	4.50E-06	1.65E-06	2.25E-06	8.40E-07	4.50E-06	1.65E-06
3964	483363.1	3853877	3.12E-03	3.05E-03	3.01E-03	1.08E-06	3.26E-06	1.89E-06	1.84E-06	1.67E-06	7.63E-07	7.53E-07	0.00E+00	0.00E+00	3.48E-07	6.26E-08	3.97E-07	6.13E-08	5.83E-08	9.27E-07	9.86E-07	3.62E-07	4.92E-07	1.84E-07	9.86E-07	3.62E-07
3965	483863.1	3853877	1.75E-03	1.70E-03	1.68E-03	6.04E-07	1.82E-06	1.06E-06	1.03E-06	9.34E-07	4.26E-07	4.21E-07	0.00E+00	0.00E+00	1.94E-07	3.50E-08	2.22E-07	3.42E-08	3.26E-08	5.18E-07	5.51E-07	2.02E-07	2.75E-07	1.03E-07	5.51E-07	2.02E-07
3966	484363.1	3853877	1.16E-03	1.13E-03	1.12E-03	4.02E-07	1.22E-06	7.03E-07	6.86E-07	6.22E-07	2.84E-07	2.80E-07	0.00E+00	0.00E+00	1.29E-07	2.33E-08	1.48E-07	2.28E-08	2.17E-08	3.45E-07	3.67E-07	1.35E-07	1.83E-07	6.84E-08	3.67E-07	1.35E-07
3967	484863.1	3853877	8.29E-04	8.09E-04	7.98E-04	2.87E-07	8.66E-07	5.02E-07	4.89E-07	4.44E-07	2.02E-07	2.00E-07	0.00E+00	0.00E+00	9.23E-08	1.66E-08	1.05E-07	1.63E-08	1.55E-08	2.46E-07	2.62E-07	9.60E-08	1.31E-07	4.88E-08	2.62E-07	9.60E-08
3968	485363.1	3853877	5.96E-04	5.81E-04	5.74E-04	2.06E-07	6.23E-07	3.60E-07	3.52E-07	3.19E-07	1.45E-07	1.44E-07	0.00E+00	0.00E+00	6.63E-08	1.19E-08	7.58E-08	1.17E-08	1.11E-08	1.77E-07	1.88E-07	6.90E-08	9.39E-08	3.51E-08	1.88E-07	6.90E-08
3969	485863.1	3853877	5.56E-04	5.43E-04	5.36E-04	1.93E-07	5.82E-07	3.37E-07	3.28E-07	2.98E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.19E-08	1.11E-08	7.08E-08	1.09E-08	1.04E-08	1.65E-07	1.76E-07	6.44E-08	8.76E-08	3.28E-08	1.76E-07	6.44E-08
3970	486363.1	3853877	5.12E-04	4.99E-04	4.93E-04	1.77E-07	5.35E-07	3.10E-07	3.02E-07	2.74E-07	1.25E-07	1.23E-07	0.00E+00	0.00E+00	5.69E-08	1.03E-08	6.51E-08	1.00E-08	9.55E-09	1.52E-07	1.61E-07	5.92E-08	8.06E-08	3.01E-08	1.61E-07	5.92E-08
3971	486863.1	3853877	4.76E-04	4.64E-04	4.58E-04	1.65E-07	4.97E-07	2.88E-07	2.81E-07	2.55E-07	1.16E-07	1.15E-07	0.00E+00	0.00E+00	5.30E-08	9.54E-09	6.05E-08	9.33E-09	8.88E-09	1.41E-07	1.50E-07	5.51E-08	7.50E-08	2.80E-08	1.50E-07	5.51E-08
3972	487363.1	3853877	4.64E-04	4.53E-04	4.47E-04	1.61E-07	4.85E-07	2.81E-07	2.74E-07	2.48E-07	1.13E-07	1.12E-07	0.00E+00	0.00E+00	5.17E-08	9.30E-09	5.90E-08	9.10E-09	8.66E-09	1.38E-07	1.47E-07	5.37E-08	7.31E-08	2.73E-08	1.47E-07	5.37E-08
3973	487863.1	3853877	4.68E-04	4.57E-04	4.51E-04	1.62E-07	4.89E-07	2.83E-07	2.76E-07	2.50E-07	1.14E-07	1.13E-07	0.00E+00	0.00E+00	5.21E-08	9.38E-09	5.95E-08	9.18E-09	8.73E-09	1.39E-07	1.48E-07	5.42E-08	7.37E-08	2.75E-08	1.48E-07	5.42E-08
3974	488363.1	3853877	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	0.00E+00	0.00E+00	5.07E-08	9.12E-09	5.79E-08	8.93E-09	8.49E-09	1.35E-07	1.44E-07	5.27E-08	7.17E-08	2.68E-08	1.44E-07	5.27E-08
3975	488863.1	3853877	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.02E-08	9.03E-09	5.73E-08	8.84E-09	8.41E-09	1.34E-07	1.42E-07	5.22E-08	7.10E-08	2.65E-08	1.42E-07	5.22E-08
3976	489363.1	3853877	4.22E-04	4.12E-04	4.07E-04	1.46E-07	4.41E-07	2.56E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.70E-08	8.46E-09	5.37E-08	8.28E-09	7.88E-09	1.25E-07	1.33E-07	4.89E-08	6.65E-08	2.49E-08	1.33E-07	4.89E-08
3977	489863.1	3853877	4.12E-04	4.02E-04	3.96E-04	1.42E-07	4.30E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.92E-08	0.00E+00	0.00E+00	4.58E-08	8.25E-09	5.23E-08	8.07E-09	7.68E-09	1.22E-07	1.30E-07	4.76E-08	6.48E-08	2.42E-08	1.30E-07	4.76E-08
3978	490363.1	3853877	3.95E-04	3.85E-04	3.80E-04	1.37E-07	4.12E-07	2.39E-07	2.33E-07	2.11E-07	9.64E-08	9.51E-08	0.00E+00	0.00E+00	4.39E-08	7.91E-09	5.02E-08	7.74E-09	7.36E-09	1.17E-07	1.25E-07	4.57E-08	6.22E-08	2.32E-08	1.25E-07	4.57E-08
3979	490863.1	3853877	3.84E-04	3.75E-04	3.70E-04	1.33E-07	4.02E-07	2.32E-07	2.27E-07	2.06E-07	9.38E-08	9.26E-08	0.00E+00	0.00E+00	4.28E-08	7.70E-09	4.89E-08	7.53E-09	7.17E-09	1.14E-07	1.21E-07	4.45E-08	6.05E-08	2.26E-08	1.21E-07	4.45E-08
3980	491363.1	3853877	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.28E-07	2.22E-07	2.01E-07	9.19E-08	9.07E-08	0.00E+00	0.00E+00	4.19E-08	7.54E-09	4.79E-08	7.38E-09	7.02E-09	1.12E-07	1.19E-07	4.36E-08	5.93E-08	2.22E-08	1.19E-07	4.36E-08
3981	491863.1	3853877	3.69E-04	3.60E-04	3.55E-04	1.28E-07	3.85E-07	2.23E-07	2.18E-07	1.97E-07	9.01E-08	8.89E-08	0.00E+00	0.00E+00	4.11E-08	7.39E-09	4.69E-08	7.23E-09	6.88E-09	1.09E-07	1.16E-07	4.27E-08	5.81E-08	2.17E-08	1.16E-07	4.27E-08
3982	492363.1	3853877	3.67E-04	3.58E-04	3.54E-04	1.27E-07	3.84E-07	2.22E-07	2.17E-07	1.97E-07	8.97E-08	8.85E-08	0.00E+00	0.00E+00	4.09E-08	7.36E-09	4.67E-08	7.20E-09	6.85E-09	1.09E-07	1.16E-07	4.25E-08	5.78E-08	2.16E-08	1.16E-07	4.25E-08
3983	492863.1	3853877	3.61E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.13E-07	1.93E-07	8.83E-08	8.71E-08	0.00E+00	0.00E+00	4.02E-08	7.24E-09	4.60E-08	7.09E-09	6.74E-09	1.07E-07	1.14E-07	4.18E-08	5.69E-08	2.13E-08	1.14E-07	4.18E-08
3984	493363.1	3853877	3.50E-04	3.42E-04	3.37E-04	1.21E-07	3.66E-07	2.12E-07	2.07E-07	1.87E-07	8.55E-08	8.44E-08	0.00E+00	0.00E+00	3.90E-08	7.02E-09	4.45E-08	6.87E-09	6.53E-09	1.04E-07	1.11E-07	4.05E-08	5.52E-08	2.06E-08	1.11E-07	4.05E-08
3985	493863.1	3853877	3.38E-04	3.30E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.25E-08	8.14E-08	0.00E+00	0.00E+00	3.76E-08	6.77E-09	4.29E-08	6.62E-09	6.30E-09	1.00E-07	1.07E-07	3.91E-08	5.32E-08	1.99E-08	1.07E-07	3.91E-08
3986	494363.1	3853877	3.28E-04	3.20E-04	3.16E-04	1.14E-07	3.43E-07	1.99E-07	1.94E-07	1.76E-07	8.01E-08	7.91E-08	0.00E+00	0.00E+00	3.65E-08	6.58E-09	4.17E-08	6.44E-09	6.12E-09	9.74E-08	1.04E-07	3.80E-08	5.17E-08	1.93E-08	1.04E-07	3.80E-08
3987	494863.1	3853877	3.15E-04	3.08E-04	3.04E-04	1.09E-07	3.30E-07	1.91E-07	1.86E-07	1.69E-07	7.70E-08	7.60E-08	0.00E+00	0.00E+00	3.51E-08	6.32E-09	4.01E-08	6.18E-09	5.88E-09	9.36E-08	9.95E-08	3.65E-08	4.97E-08	1.86E-08	9.95E-08	3.65E-08
3988	495363.1	3853877	2.93E-04	2.86E-04	2.82E-04	1.02E-07	3.07E-07	1.77E-07	1.73E-07	1.57E-07	7.16E-08	7.07E-08	0.00E+00	0.00E+00	3.27E-08	5.88E-09	3.73E-08	5.75E-09	5.47E-09	8.71E-08	9.26E-08	3.40E-08	4.62E-08	1.73E-08	9.26E-08	3.40E-08
3989	495863.1	3853877	2.75E-04	2.68E-04	2.65E-04	9.52E-08	2.87E-07	1.66E-07	1.62E-07	1.47E-07	6.72E-08	6.63E-08	0.00E+00	0.00E+00	3.06E-08	5.51E-09	3.50E-08	5.39E-09	5.13E-09	8.16E-08	8.68E-08	3.18E-08	4.33E-08	1.62E-08	8.68E-08	3.18E-08
3990	496363.1	3853877	2.63E-04	2.56E-04	2.53E-04	9.09E-08	2.74E-07	1.59E-07	1.55E-07	1.41E-07	6.41E-08	6.33E-08	0.00E+00	0.00E+00	2.92E-08	5.26E-09	3.34E-08	5.15E-09	4.90E-09	7.79E-08	8.29E-08	3.04E-08	4.14E-08	1.55E-08	8.29E-08	3.04E-08
3991	496863.1	3853877	2.42E-04	2.36E-04	2.33E-04	8.39E-08	2.53E-07	1.47E-07	1.43E-07	1.30E-07	5.92E-08	5.84E-08	0.00E+00	0.00E+00	2.70E-08	4.86E-09	3.08E-08	4.75E-09	4.52E-09	7.19E-08	7.65E-08	2.80E-08	3.82E-08	1.43E-08	7.65E-08	2.80E-08
3992	497363.1	3853877	2.25E-04	2.20E-04	2.17E-04	7.80E-08	2.35E-07	1.36E-07	1.33E-07	1.21E-07	5.50E-08	5.43E-08	0.00E+00	0.00E+00	2.51E-08	4.51E-09	2.86E-08	4.42E-09	4.20E-09	6.69E-08	7.11E-08	2.61E-08	3.55E-08	1.33E-08	7.11E-08	2.61E-08
3993	497863.1	3853877	2.03E-04	1.98E-04	1.96E-04	7.04E-08	2.12E-07	1.23E-07	1.20E-07	1.09E-07	4.96E-08	4.90E-08	0.00E+00	0.00E+00	2.26E-08	4.07E-09	2.59E-08	3.99E-09	3.79E-09	6.03E-08	6.42E-08	2.35E-08	3.20E-08	1.20E-08	6.42E-08	2.35E-08
3994	498363.1	3853877	1.90E-04	1.85E-04	1.83E-04	6.56E-08	1.98E-07	1.15E-07	1.12E-07	1.01E-07	4.63E-08	4.57E-08	0.00E+00	0.00E+00	2.11E-08	3.80E-09	2.41E-08	3.72E-09	3.54E-09	5.63E-08	5.98E-08	2.19E-08	2.99E-08	1.12E-08	5.98E-08	2.19E-08
3995	471363.1	3854377	1.21E-04	1.18E-04	1.17E-04	4.19E-08	1.27E-07	7.33E-08	7.15E-08	6.48E-08	2.96E-08	2.92E-08	0.00E+00	0.00E+00	1.35E-08	2.43E-09	1.54E-08	2.38E-09	2.26E-09	3.60E-08	3.82E-08	1.40E-08	1.91E-08	7.13E-09	3.82E-08	1.40E-08
3996	471863.1	3854377	1.27E-04	1.24E-04	1.22E-04	4.39E-08	1.33E-07	7.68E-08	7.50E-08	6.79E-08	3.10E-08	3.06E-08	0.00E+00	0.00E+00	1.41E-08	2.54E-09	1.61E-08	2.49E-09	2.37E-09	3.77E-08	4.01E-08	1.47E-08	2.00E-08	7.47E-09	4.01E-08	1.47E-08
3997	472363.1	3854377	1.31E-04	1.28E-04	1.26E-04	4.54E-08	1.37E-07	7.93E-08	7.74E-08	7.02E-08	3.20E-08	3.16E-08	0.00E+00	0.00E+00	1.46E-08	2.63E-09	1.67E-08	2.57E-09	2.45E-09	3.89E-08	4.14E-08	1.52E-08	2.07E-08	7.72E-09	4.14E-08	1.52E-08

3998	472863.1	3854377	1.34E-04	1.31E-04	1.29E-04	4.64E-08	1.40E-07	8.11E-08	7.91E-08	7.17E-08	3.27E-08	3.23E-08	0.00E+00	0.00E+00	1.49E-08	2.69E-09	1.70E-08	2.63E-09	2.50E-09	3.98E-08	4.23E-08	1.55E-08	2.11E-08	7.89E-09	4.23E-08	1.55E-08
3999	473363.1	3854377	1.39E-04	1.35E-04	1.33E-04	4.80E-08	1.45E-07	8.38E-08	8.18E-08	7.42E-08	3.38E-08	3.34E-08	0.00E+00	0.00E+00	1.54E-08	2.78E-09	1.76E-08	2.72E-09	2.59E-09	4.11E-08	4.37E-08	1.60E-08	2.18E-08	8.16E-09	4.37E-08	1.60E-08
4000	473863.1	3854377	1.44E-04	1.40E-04	1.39E-04	4.98E-08	1.50E-07	8.71E-08	8.50E-08	7.71E-08	3.52E-08	3.47E-08	0.00E+00	0.00E+00	1.60E-08	2.89E-09	1.83E-08	2.82E-09	2.69E-09	4.27E-08	4.54E-08	1.67E-08	2.27E-08	8.47E-09	4.54E-08	1.67E-08
4001	474363.1	3854377	1.48E-04	1.45E-04	1.43E-04	5.13E-08	1.55E-07	8.96E-08	8.75E-08	7.93E-08	3.62E-08	3.57E-08	0.00E+00	0.00E+00	1.65E-08	2.97E-09	1.88E-08	2.90E-09	2.76E-09	4.40E-08	4.67E-08	1.71E-08	2.33E-08	8.72E-09	4.67E-08	1.71E-08
4002	474863.1	3854377	1.46E-04	1.42E-04	1.40E-04	5.04E-08	1.52E-07	8.81E-08	8.60E-08	7.79E-08	3.56E-08	3.51E-08	0.00E+00	0.00E+00	1.62E-08	2.92E-09	1.85E-08	2.86E-09	2.72E-09	4.32E-08	4.60E-08	1.69E-08	2.29E-08	8.57E-09	4.60E-08	1.69E-08
4003	475363.1	3854377	1.39E-04	1.36E-04	1.34E-04	4.81E-08	1.45E-07	8.41E-08	8.21E-08	7.44E-08	3.39E-08	3.35E-08	0.00E+00	0.00E+00	1.55E-08	2.79E-09	1.77E-08	2.73E-09	2.59E-09	4.12E-08	4.39E-08	1.61E-08	2.19E-08	8.18E-09	4.39E-08	1.61E-08
4004	475863.1	3854377	1.25E-04	1.22E-04	1.20E-04	4.32E-08	1.31E-07	7.56E-08	7.37E-08	6.68E-08	3.05E-08	3.01E-08	0.00E+00	0.00E+00	1.39E-08	2.50E-09	1.59E-08	2.45E-09	2.33E-09	3.71E-08	3.94E-08	1.45E-08	1.97E-08	7.35E-09	3.94E-08	1.45E-08
4005	476363.1	3854377	1.25E-04	1.22E-04	1.21E-04	4.34E-08	1.31E-07	7.58E-08	7.40E-08	6.71E-08	3.06E-08	3.02E-08	0.00E+00	0.00E+00	1.39E-08	2.51E-09	1.59E-08	2.46E-09	2.34E-09	3.72E-08	3.95E-08	1.45E-08	1.97E-08	7.38E-09	3.95E-08	1.45E-08
4006	476863.1	3854377	1.28E-04	1.25E-04	1.23E-04	4.44E-08	1.34E-07	7.76E-08	7.57E-08	6.86E-08	3.13E-08	3.09E-08	0.00E+00	0.00E+00	1.43E-08	2.57E-09	1.63E-08	2.51E-09	2.39E-09	3.80E-08	4.05E-08	1.48E-08	2.02E-08	7.55E-09	4.05E-08	1.48E-08
4007	477363.1	3854377	1.32E-04	1.29E-04	1.27E-04	4.58E-08	1.38E-07	8.01E-08	7.81E-08	7.08E-08	3.23E-08	3.19E-08	0.00E+00	0.00E+00	1.47E-08	2.65E-09	1.68E-08	2.60E-09	2.47E-09	3.93E-08	4.18E-08	1.53E-08	2.08E-08	7.79E-09	4.18E-08	1.53E-08
4008	477863.1	3854377	1.38E-04	1.34E-04	1.33E-04	4.77E-08	1.44E-07	8.33E-08	8.13E-08	7.37E-08	3.36E-08	3.32E-08	0.00E+00	0.00E+00	1.53E-08	2.76E-09	1.75E-08	2.70E-09	2.57E-09	4.09E-08	4.35E-08	1.59E-08	2.17E-08	8.11E-09	4.35E-08	1.59E-08
4009	478363.1	3854377	1.48E-04	1.45E-04	1.43E-04	5.13E-08	1.55E-07	8.96E-08	8.75E-08	7.93E-08	3.62E-08	3.57E-08	0.00E+00	0.00E+00	1.65E-08	2.97E-09	1.88E-08	2.90E-09	2.76E-09	4.40E-08	4.67E-08	1.71E-08	2.33E-08	8.72E-09	4.67E-08	1.71E-08
4010	478863.1	3854377	1.55E-04	1.51E-04	1.49E-04	5.37E-08	1.62E-07	9.39E-08	9.16E-08	8.30E-08	3.79E-08	3.74E-08	0.00E+00	0.00E+00	1.73E-08	3.11E-09	1.97E-08	3.04E-09	2.90E-09	4.61E-08	4.90E-08	1.80E-08	2.44E-08	9.13E-09	4.90E-08	1.80E-08
4011	479363.1	3854377	1.80E-04	1.76E-04	1.73E-04	6.23E-08	1.88E-07	1.09E-07	1.06E-07	9.64E-08	4.40E-08	4.34E-08	0.00E+00	0.00E+00	2.00E-08	3.61E-09	2.29E-08	3.53E-09	3.36E-09	5.34E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
4012	479863.1	3854377	2.01E-04	1.96E-04	1.94E-04	6.97E-08	2.10E-07	1.22E-07	1.19E-07	1.08E-07	4.91E-08	4.85E-08	0.00E+00	0.00E+00	2.24E-08	4.03E-09	2.56E-08	3.95E-09	3.75E-09	5.97E-08	6.35E-08	2.33E-08	3.17E-08	1.18E-08	6.35E-08	2.33E-08
4013	480363.1	3854377	2.40E-04	2.34E-04	2.31E-04	8.32E-08	2.51E-07	1.45E-07	1.42E-07	1.29E-07	5.87E-08	5.79E-08	0.00E+00	0.00E+00	2.67E-08	4.81E-09	3.05E-08	4.71E-09	4.48E-09	7.13E-08	7.58E-08	2.78E-08	3.78E-08	1.41E-08	7.58E-08	2.78E-08
4014	480863.1	3854377	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.83E-07	1.66E-07	7.56E-08	7.46E-08	0.00E+00	0.00E+00	3.45E-08	6.20E-09	3.94E-08	6.07E-09	5.78E-09	9.19E-08	9.77E-08	3.58E-08	4.88E-08	1.82E-08	9.77E-08	3.58E-08
4015	481363.1	3854377	4.06E-04	3.96E-04	3.91E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.17E-07	9.92E-08	9.79E-08	0.00E+00	0.00E+00	4.52E-08	8.14E-09	5.17E-08	7.97E-09	7.58E-09	1.21E-07	1.28E-07	4.70E-08	6.40E-08	2.39E-08	1.28E-07	4.70E-08
4016	481863.1	3854377	5.91E-04	5.77E-04	5.69E-04	2.05E-07	6.18E-07	3.58E-07	3.49E-07	3.16E-07	1.44E-07	1.42E-07	0.00E+00	0.00E+00	6.58E-08	1.18E-08	7.52E-08	1.16E-08	1.10E-08	1.75E-07	1.87E-07	6.84E-08	9.31E-08	3.48E-08	1.87E-07	6.84E-08
4017	482363.1	3854377	9.07E-04	8.85E-04	8.73E-04	3.14E-07	9.48E-07	5.49E-07	5.35E-07	4.85E-07	2.21E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.82E-08	1.15E-07	1.78E-08	1.69E-08	2.69E-07	2.86E-07	1.05E-07	1.43E-07	5.34E-08	2.86E-07	1.05E-07
4018	482863.1	3854377	9.07E-03	8.85E-03	8.73E-03	3.14E-06	9.48E-06	5.49E-06	5.35E-06	4.85E-06	2.21E-06	2.19E-06	0.00E+00	0.00E+00	1.01E-06	1.82E-07	1.15E-06	1.78E-07	1.69E-07	2.69E-06	2.86E-06	1.05E-06	1.43E-06	5.34E-07	2.86E-06	1.05E-06
4019	483363.1	3854377	3.81E-03	3.72E-03	3.67E-03	1.32E-06	3.99E-06	2.31E-06	2.25E-06	2.04E-06	9.32E-07	9.19E-07	0.00E+00	0.00E+00	4.25E-07	7.65E-08	4.85E-07	7.48E-08	7.12E-08	1.13E-06	1.20E-06	4.42E-07	6.01E-07	2.25E-07	1.20E-06	4.42E-07
4020	483863.1	3854377	4.49E-03	4.38E-03	4.32E-03	1.55E-06	4.69E-06	2.72E-06	2.65E-06	2.40E-06	1.10E-06	1.08E-06	0.00E+00	0.00E+00	5.00E-07	9.00E-08	5.71E-07	8.80E-08	8.38E-08	1.33E-06	1.42E-06	5.20E-07	7.07E-07	2.64E-07	1.42E-06	5.20E-07
4021	484363.1	3854377	1.74E-03	1.70E-03	1.68E-03	6.03E-07	1.82E-06	1.05E-06	1.03E-06	9.33E-07	4.26E-07	4.20E-07	0.00E+00	0.00E+00	1.94E-07	3.49E-08	2.22E-07	3.42E-08	3.25E-08	5.17E-07	5.50E-07	2.02E-07	2.75E-07	1.03E-07	5.50E-07	2.02E-07
4022	484863.1	3854377	1.05E-03	1.02E-03	1.01E-03	3.62E-07	1.09E-06	6.34E-07	6.18E-07	5.60E-07	2.56E-07	2.52E-07	0.00E+00	0.00E+00	1.17E-07	2.10E-08	1.33E-07	2.05E-08	1.95E-08	3.11E-07	3.30E-07	1.21E-07	1.65E-07	6.16E-08	3.30E-07	1.21E-07
4023	485363.1	3854377	9.41E-04	9.19E-04	9.06E-04	3.26E-07	9.84E-07	5.70E-07	5.56E-07	5.04E-07	2.30E-07	2.27E-07	0.00E+00	0.00E+00	1.05E-07	1.89E-08	1.20E-07	1.85E-08	1.76E-08	2.79E-07	2.97E-07	1.09E-07	1.48E-07	5.54E-08	2.97E-07	1.09E-07
4024	485863.1	3854377	7.19E-04	7.02E-04	6.93E-04	2.49E-07	7.52E-07	4.35E-07	4.25E-07	3.85E-07	1.76E-07	1.73E-07	0.00E+00	0.00E+00	8.01E-08	1.44E-08	9.15E-08	1.41E-08	1.34E-08	2.14E-07	2.27E-07	8.33E-08	1.13E-07	4.23E-08	2.27E-07	8.33E-08
4025	486363.1	3854377	6.46E-04	6.30E-04	6.22E-04	2.23E-07	6.75E-07	3.91E-07	3.81E-07	3.46E-07	1.58E-07	1.56E-07	0.00E+00	0.00E+00	7.19E-08	1.29E-08	8.21E-08	1.27E-08	1.20E-08	1.92E-07	2.04E-07	7.47E-08	1.02E-07	3.80E-08	2.04E-07	7.47E-08
4026	486863.1	3854377	5.63E-04	5.49E-04	5.42E-04	1.95E-07	5.88E-07	3.41E-07	3.32E-07	3.01E-07	1.37E-07	1.36E-07	0.00E+00	0.00E+00	6.27E-08	1.13E-08	7.16E-08	1.10E-08	1.05E-08	1.67E-07	1.78E-07	6.52E-08	8.87E-08	3.31E-08	1.78E-07	6.52E-08
4027	487363.1	3854377	5.36E-04	5.23E-04	5.16E-04	1.85E-07	5.60E-07	3.24E-07	3.16E-07	2.87E-07	1.31E-07	1.29E-07	0.00E+00	0.00E+00	5.96E-08	1.07E-08	6.81E-08	1.05E-08	9.99E-09	1.59E-07	1.69E-07	6.20E-08	8.44E-08	3.15E-08	1.69E-07	6.20E-08
4028	487863.1	3854377	5.31E-04	5.18E-04	5.11E-04	1.84E-07	5.55E-07	3.21E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.91E-08	1.06E-08	6.75E-08	1.04E-08	9.91E-09	1.58E-07	1.68E-07	6.15E-08	8.37E-08	3.13E-08	1.68E-07	6.15E-08
4029	488363.1	3854377	5.16E-04	5.04E-04	4.97E-04	1.79E-07	5.39E-07	3.12E-07	3.05E-07	2.76E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.75E-08	1.03E-08	6.56E-08	1.01E-08	9.63E-09	1.53E-07	1.63E-07	5.97E-08	8.13E-08	3.04E-08	1.63E-07	5.97E-08
4030	488863.1	3854377	4.98E-04	4.86E-04	4.79E-04	1.72E-07	5.20E-07	3.01E-07	2.94E-07	2.66E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.54E-08	9.98E-09	6.33E-08	9.76E-09	9.29E-09	1.48E-07	1.57E-07	5.76E-08	7.84E-08	2.93E-08	1.57E-07	5.76E-08
4031	489363.1	3854377	4.78E-04	4.66E-04	4.60E-04	1.65E-07	5.00E-07	2.89E-07	2.82E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.32E-08	9.58E-09	6.08E-08	9.37E-09	8.92E-09	1.42E-07	1.51E-07	5.53E-08	7.53E-08	2.81E-08	1.51E-07	5.53E-08
4032	489863.1	3854377	4.57E-04	4.46E-04	4.40E-04	1.58E-07	4.77E-07	2.76E-07	2.70E-07	2.44E-07	1.12E-07	1.10E-07	0.00E+00	0.00E+00	5.08E-08	9.15E-09	5.81E-08	8.96E-09	8.52E-09	1.36E-07	1.44E-07	5.29E-08	7.20E-08	2.69E-08	1.44E-07	5.29E-08
4033	490363.1	3854377	4.36E-04	4.25E-04	4.19E-04	1.51E-07	4.55E-07	2.64E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.85E-08	8.73E-09	5.54E-08	8.54E-09	8.13E-09	1.29E-07	1.37E-07	5.04E-08	6.86E-08	2.56E-08	1.37E-07	5.04E-08
4034	490863.1	3854377	3.89E-04	3.79E-04	3.74E-04	1.35E-07	4.06E-07	2.35E-07	2.30E-07	2.08E-07	9.49E-08	9.37E-08	0.00E+00	0.00E+00	4.33E-08	7.79E-09	4.94E-08	7.62E-09	7.25E-09	1.15E-07	1.23E-07	4.50E-08	6.12E-08	2.29E-08	1.23E-07	4.50E-08
4035	491363.1	3854377	3.95E-04	3.86E-04	3.81E-04	1.37E-07	4.13E-07	2.39E-07	2.33E-07	2.12E-07	9.66E-08	9.53E-08	0.00E+00	0.00E+00	4.40E-08	7.92E-09	5.03E-08	7.75E-09	7.38E-09	1.17E-07	1.25E-07	4.58E-08	6.23E-08	2.33E-08	1.25E-07	4.58E-08
4036	491863.1	3854377	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.12E-07	9.69E-08	9.56E-08	0.00E+00	0.00E+00	4.41E-08	7.95E-09	5.04E-08	7.78E-09	7.40E-09	1.18E-07	1.25E-07	4.59E-08	6.25E-08	2.33E-08	1.25E-07	4.59E-08
4037	492363.1	3854377	3.90E-04	3.81E-04	3.76E-04	1.35E-07	4.08E-07	2.36E-07	2.31E-07	2.09E-07	9.53E-08	9.41E-08	0.00E+00	0.00E+00	4.35E-08	7.82E-09	4.96E-08	7.66E-09	7.28E-09	1.16E-07	1.23E-07	4.52E-08	6.15E-08	2.30E-08	1.23E-07	4.52E-08
4038	492863.1	3854377	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.25E-08	9.13E-08	0.00E+00	0.00E+00	4.22E-08	7.59E-09	4.82E-08	7.43E-09	7.07E-09	1.12E-07	1.20E-07	4.38E-08	5.97E-08	2.23E-08	1.20E-07	4.38E-08
4039	493363.1	3854377	3.65E-04	3.56E-04	3.52E-04	1.26E-07	3.82E-07	2.21E-07	2.16E-07	1.95E-07	8.92E-08	8.80E-08	0.00E+00	0.00E+00	4.06E-08	7.32E-09	4.64E-08	7.16E-09	6.81E-09	1.08E-07	1.15E-07	4.23E-08	5.75E-08	2.15E-08	1.15E-07	4.23E-08
4040	493863.1	3854377	3.51E-04	3.43E-04	3.38E-04	1.22E-07	3.67E-07	2.13E-07	2.07E-07	1.88E-07	8.58E-08	8.47E-08	0.00E+00	0.00E+00	3.91E-08	7.04E-09	4.47E-08	6.89E-09	6.56E-09	1.04E-07	1.11E-07	4.07E-08	5.54E-08	2.07E-08	1.11E-07	4.07E-08
4041	494363.1	3854377	3.39E-04	3.30E-04	3.26E-04	1.17E-07	3.54E-07	2.05E-07	2.00E-07	1.81E-07	8.27E-08	8.16E-08	0.00E+00	0.00E+00	3.77E-08	6.78E-09	4.31E-08	6.64E-09	6.32E-09	1.00E-07	1.07E-07	3.92E-08	5.33E-08	1.99E-08	1.07E-07	3.92E-08
4042	494863.1	3854377	3.07E-04	3.00E-04	2.96E-04	1.06E-07	3.21E-07	1.86E-07	1.81E-07	1.64E-07	7.50E-08	7.40E-08	0.00E+00	0.00E+00	3.42E-08	6.15E-09	3.90E-08	6.02E-09	5.73E-09	9.11E-08	9.69E-08	3.55E-08	4.84E-08	1.81E-08	9.69E-08	3.55E-08
4043	495363.1	3854377	2.74E-04	2.67E-04	2.64E-04	9.48E-08	2.86E-07	1.66E-07	1.62E-07	1.47E-07	6.69E-08	6.60E-08	0.00E+00	0.00E+00	3.05E-08	5.49E-09	3.48E-08	5.37E-09	5.11E-09	8.13E-08	8.64E-08	3.17E-08	4.31E-08	1.61E-08	8.64E-08	3.17E-08
4044	495863.1	3854377	2.52E-04	2.46E-04	2.42E-04	8.72E-08	2.63E-07	1.52E-07	1.49E-07	1.35E-07	6.15E-08	6.07E-08	0.00E+00	0.00E+00	2.80E-08	5.05E-09	3.20E-08	4.94E-09	4.70E-09	7.47E-08	7.95E-08	2.92E-08	3.97E-08	1.48E-08	7.95E-08	2.92E-08
4045	496363.1	3854377	2.40E-04	2.34E-04	2.31E-04	8.32E-08	2.51E-07	1.45E-07	1.42E-07	1.29E-07	5.87E-08	5.79E-08	0.00E+00	0.00E+00	2.67E-08	4.81E-09	3.05E-08	4.71E-09	4.48E-09	7.13E-08	7.58E-08	2.78E-08	3.78E-08	1.41E-08	7.58E-08	2.78E-08
4046	496863.1	3854377	2.27E-04	2.21E-04	2.18E-04	7.84E-08	2.37E-07	1.37E-07	1.34E-07	1.21E-07	5.53E-08	5.46E-08	0.00E+00	0.00E+00	2.52E-08	4.54E-09	2.88E-08	4.44E-09	4.23E-09	6.72E-08	7.15E-08	2.62E-08	3.57E-08	1.33E-08	7.15E-08	2.62E-08
4047	497363.1	3854377	2.05E-04	2.00E-04	1.98E-04	7.11E-08	2.15E-07	1.24E-07	1.21E-07	1.10E-07	5.02E-08	4.95E-08	0.00E+00	0.00E+00	2.29E-08	4.12E-09	2.61E-08	4.03E-09	3.83E-09	6.10E-08	6.48E-08	2.38E-08	3.24E-08	1.21E-08	6.48E-08	2.38E-08
4048	497863.1	3854377	2.07E-04	2.02E-04	1.99E-04	7.17E-08	2.16E-07	1.25E-07	1.22E-07	1.11E-07	5.06E-08	4.99E-08	0.00E+00	0.00E+00	2.30E-08	4.15E-09	2.63E-08	4.06E-09	3.86E-09	6.14E-08	6.53E-08	2.40E-08	3.26E-08	1.22E-08	6.53E-08	2.40E-08
4049	498363.1	3854377	1.95E-04	1.91E-04	1.88E-04	6.76E-08	2.04E-07	1.18E-07	1.15E-07	1.05E-07	4.77E-08	4.71E-08	0.00E+00	0.00E+00	2.18E-08	3.92E-09	2.48E-08	3.83E-09	3.65E-09	5.80E-08	6.17E-08	2.26E-08	3.08E-08	1.15E-08	6.17E-08	2.26E-08
4050	471363.1	3854877	1.19E-04	1.17E-04	1.15E-04	4.14E-08	1.25E-07	7.23E-08	7.05E-08	6.40E-08	2.92E-08	2.88E-08	0.00E+00	0.00E+00	1.33E-08	2.39E-09	1.52E-08	2.34E-09	2.23E-09	3.55E-08	3.77E-08	1.38E-08	1.88E-08	7.03E-09	3.77E-08	1.38E-08
4051	471863.1	3854877	1.24E-04	1.21E-04	1.19E-04	4.28E-08	1.29E-07	7.48E-08	7.30E-08	6.62E-08	3.02E-08	2.98E-08	0.00E+00	0.00E+00	1.38E-08	2.48E-09	1.57E-08	2.42E-09	2.31E-09	3.67E-08	3.90E-08	1.43E-08	1.95E-08	7.28E-09	3.90E-08	1.43E-08
4052	472363.1	3854877	1.27E-04	1.24E-04	1.22E-04	4.39E-08	1.33E-07	7.68E-08	7.50E-08	6.79E-08	3.10E-08	3.06E-08	0.00E+00	0.00E+00	1.41E-08	2.54E-09	1.61E-08	2.49E-09	2.37E-09	3.77E-08	4.01E-08	1.47E-08	2.00E-08	7.47E-09	4.01E-08	1.47E-08
4053	472863.1	3854877	1.28E-04	1.25E-04	1.23E-04	4.42E-08	1.34E-07	7.73E-08	7.54E-08	6.84E-08	3.12E-08	3.08E-08	0.00E+00	0.00E+00	1.42E-08	2.56E-09	1.63E-08	2.51E-09	2.38E-09	3.79E-08	4.03E-08	1.48E-08	2.01E-08	7.52E-09	4.03E-08	1.48E-08
4054	473363.1	3854877	1.33E-04	1.30E-04	1.28E-04	4.60E-08	1.39E-07	8.03E-08	7.84E-08	7.11E-08	3.24E-08	3.20E-08	0.00E+00	0.00E+00	1.48E-08	2.66E-09	1.69E-08	2.60E-09	2.48E-09	3.94E-08	4.19E-08	1.54E-08	2.09E-08	7.82E-09	4.19E-08	1.54E-08
4055	473863.1	3854877	1.38E-04	1.34E-04	1.33E-04	4.77E-08	1.44E-07	8.33E-08	8.13E-08	7.37E-08	3.36E-08	3.32E-08	0.00E+00	0.00E+00	1.53E-08	2.76E-09	1.75E-08	2.70E-09	2.57E-09	4.09E-08	4.35E-08	1.59E-08	2.17E-08	8.11E-09	4.35E-08	1.59E-08
4056	474363.1	3854877	1.44E-04	1.41E-04	1.39E-04	5.00E-08	1.51E-07	8.74E-08	8.52E-08	7.73E-08	3.53E-08	3.48E-08	0.00E+00	0.00E+00	1.61E-08	2.89E-09	1.84E-08	2.83E-09	2.69E-09	4.29E-08	4.56E-08	1.67E-08	2.27E-08	8.50E-09	4.56E-08	1.67E-08
4057	474863.1	3854877	1.34E-04	1.31E-04	1.29E-04	4.65E-08	1.40E-07	8.13E-08	7.94E-08	7.19E-08	3.28E-08	3.24E-08	0.00E+00	0.00E+00	1.50E-08	2.69E-09	1.71E-08	2.64E-09	2.51E-09	3.99E-08	4.24E-08	1.56E-08	2.12E-08	7.91E-09	4.24E-08	1.56E-08
4058	475363.1	3854877	1.24E-04	1.21E-04	1.19E-04	4.28E-08	1.29E-07	7.48E-08	7.30E-08	6.62E-08	3.02E-08	2.98E-08	0.00E+00	0.00E+00	1.38E-08	2.48E-09	1.57E-08	2.42E-09	2.31E-09	3.67E-08	3.90E-08	1.43E-08	1.95E-08	7.28E-09	3.90E-08	1.43E-08
4059	475863.1	3854877	1.16E-04	1.13E-04	1.11E-04	4.01E-08	1.21E-07	7.00E-08	6.83E-08	6.20E-08	2.83E-08	2.79E-08	0.00E+00	0.00E+00	1.29E-08	2.32E-09	1.47E-08	2.27E-09	2.16E-09	3.44E-08	3.65E-08	1.34E-08	1.82E-08	6.81E-09	3.65E-08	1.34E-08
4060	476363.1	3854877	1.06E-04	1.03E-04	1.02E-04	3.66E-08	1.11E-07	6.40E-08	6.25E-08	5.66E-08	2.58E-08	2.55E-08	0.00E+00	0.00E+00	1.18E-08	2.12E-09	1.35E-08	2.07E-09	1.97E-09	3.14E-08	3.34E-08	1.22E-08	1.67E-08	6.23E-09	3.34E-08	1.22E-08
4061	476863.1	3854877	1.08E-04	1.05E-04	1.04E-04	3.73E-08	1.13E-07	6.53E-08	6.37E-08	5.77E-08	2.63E-08	2.60E-08	0.00E+00	0.00E+00	1.20E-08	2.16E-09	1.37E-08	2.12E-09	2.01E-09	3.20E-08	3.40E-08	1.25E-08	1.70E-08	6.35E-09	3.40E-08	1.25E-08
4062	477363.1	3854877	1.17E-04	1.15E-04	1.13E-04	4.06E-08	1.23E-07	7.10E-08	6.93E-08	6.28E-08	2.87E-08	2.83E-08	0.00E+00	0.00E+00	1.31E-08	2.35E-09	1.49E-08	2.30E-09	2.19E-09	3.48E-08	3.71E-08	1.36E-08	1.85E-08	6.91E-09	3.71E-08	1.36E-08
4063	477863.1	3854877	1.27E-04	1.24E-04	1.23E-04	4.41E-08	1.33E-07	7.71E-08	7.52E-08	6.82E-08	3.11E-08	3.07E-08	0.00E+00	0.00E+00	1.42E-08	2.55E-09	1.62E-08	2.50E-09	2.38E-09	3.78E-08	4.02E-08	1.47E-08	2.01E-08	7.50E-09	4.02E-08	1.47E-08
4064	478363.1	3854877	1.44E-04	1.40E-04	1.39E-04	4.98E-08	1.50E-07	8.71E-08	8.50E-08	7.71E-08	3.52E-08	3.47E-08	0.00E+00	0.00E+00	1.60E-08	2.89E-09	1.83E-08	2.82E-09	2.69E-09	4.27E-08	4.54E-08	1.67E-08	2.27E-08	8.47E-09	4.54E-08	1.67E-08
4065	478863.1	3854877	1.66E-04	1.62E-04	1.59E-04	5.73E-08	1.73E-07	1.00E-07	9.77E-08	8.86E-08	4.04E-08	3.99E-08	0.00E+00	0.00E+00	1.84E-08	3.32E-09	2.11E-08	3.25E-09	3.09E-09	4.91E-08	5.22E-08	1.92E-08	2.61E-08	9.74E-09	5.22E-08	1.92E-08
4066	479363.1	3854877	1.89E-04	1.84E-04	1.82E-04	6.53E-08	1.97E-07	1.14E-07	1.11E-07	1.01E-07	4.61E-08	4.55E-08	0.00E+00	0.00E+00	2.10E-08	3.78E-09	2.40E-08	3.70E-09	3.52E-09	5.60E-08	5.96E-08	2.19E-08	2.97E-08	1.11E-08	5.96E-08	2.19E-08
4067	479863.1	3854877	2.16E-04	2.11E-04	2.08E-04	7.47E-08	2.25E-07	1.31E-07	1.27E-07	1.15E-07	5.27E-08	5.20E-08	0.00E+00	0.00E+00	2.40E-08	4.32E-09	2.74E-08	4.23E-09	4.03E-09	6.40E-08	6.81E-08	2.50E-08	3.40E-08	1.27E-08	6.81E-08	2.50E-08
4068	480363.1	3854877	2.43E-04	2.37E-04	2.34E-04	8.40E-08	2.54E-07	1.47E-07	1.43E-07	1.30E-07	5.93E-08	5.85E-08	0.00E+00	0.00E+00	2.70E-08	4.86E-09	3.09E-08	4.76E-09	4.53E-09	7.20E-08	7.66E-08	2.81E-08	3.82E-08	1.43E-08	7.66E-08	2.81E-08
4069	480863.1	3854877	2.98E-04	2.91E-04	2.87E-04	1.03E-07	3.12E-07	1.80E-07	1.76E-07	1.60E-07	7.29E-08	7.19E-08	0.00E+00	0.00E+00	3.32E-08	5.98E-09	3.79E-08	5.85E-09	5.57E-09	8.85E-08	9.41E-08	3.45E-08	4.70E-08	1.76E-08	9.41E-08	3.45E-08
4070	481363.1	3854877	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	0.00E+00	0.00E+00	4.00E-08	7.21E-09	4.57E-08	7.05E-09	6.71E-09	1.07E-07	1.14E-07	4.16E-08	5.67E-08	2.12E-08	1.14E-07	4.16E-08
4071	481863.1	3854877	4.05E-04	3.96E-04	3.90E-04	1.40E-07	4.24E-07	2.45E-07	2.39E-07	2.17E-07	9.90E-08	9.77E-08	0.00E+00	0.00E+00	4.51E-08	8.12E-09	5.15E-08	7.95E-09	7.56E-09	1.20E-07	1.28E-07	4.69E-08	6.39E-08	2.39E-08	1.28E-07	4.69E-08
4072	482363.1	3854877	6.71E-04	6.55E-04	6.46E-04	2.32E-07	7.02E-07	4.06E-07	3.96E-07	3.59E-07	1.64E-07	1.62E-07	0.00E+00	0.00E+00	7.47E-08	1.35E-08	8.54E-08	1.32E-08	1.25E-08	1.99E-07	2.12E-07	7.77E-08	1.06E-07	3.95E-08	2.12E-07	7.77E-08
4073	482863.1	3854877	1.33E-03	1.30E-03	1.28E-03	4.60E-07	1.39E-06	8.04E-07	7.85E-07	7.11E-07	3.25E-07	3.20E-07	0.00E+00	0.00E+00	1.48E-07	2.66E-08	1.69E-07	2.61E-08	2.48E-08	3.94E-07	4.19E-07	1.54E-07	2.09E-07	7.82E-08	4.19E-07	1.54E-07
4074	483363.1	3854877	5.29E-03	5.17E-03	5.10E-03	1.83E-06	5.53E-06	3.20E-06	3.13E-06	2.83E-06	1.29E-06	1.28E-06	0.00E+00	0.00E+00	5.89E-07	1.06E-07	6.73E-07	1.04E-07	9.88E-08	1.57E-06	1.67E-06	6.13E-07	8.34E-07	3.12E-07	1.67E-06	6.13E-07

4075	483863.1	3854877	2.06E-03	2.01E-03	1.99E-03	7.14E-07	2.16E-06	1.25E-06	1.22E-06	1.10E-06	5.04E-07	4.97E-07	0.00E+00	0.00E+00	2.30E-07	4.14E-08	2.62E-07	4.05E-08	3.85E-08	6.13E-07	6.51E-07	2.39E-07	3.25E-07	1.22E-07	6.51E-07	2.39E-07
4076	484363.1	3854877	5.97E-03	5.82E-03	5.74E-03	2.07E-06	6.24E-06	3.61E-06	3.52E-06	3.19E-06	1.46E-06	1.44E-06	0.00E+00	0.00E+00	6.64E-07	1.20E-07	7.59E-07	1.17E-07	1.11E-07	1.77E-06	1.88E-06	6.91E-07	9.40E-07	3.51E-07	1.88E-06	6.91E-07
4077	484863.1	3854877	3.89E-03	3.79E-03	3.74E-03	1.35E-06	4.06E-06	2.35E-06	2.30E-06	2.08E-06	9.50E-07	9.37E-07	0.00E+00	0.00E+00	4.33E-07	7.79E-08	4.94E-07	7.63E-08	7.26E-08	1.15E-06	1.23E-06	4.50E-07	6.13E-07	2.29E-07	1.23E-06	4.50E-07
4078	485363.1	3854877	1.69E-03	1.65E-03	1.63E-03	5.86E-07	1.77E-06	1.02E-06	9.99E-07	9.06E-07	4.13E-07	4.08E-07	0.00E+00	0.00E+00	1.88E-07	3.39E-08	2.15E-07	3.32E-08	3.16E-08	5.02E-07	5.34E-07	1.96E-07	2.67E-07	9.96E-08	5.34E-07	1.96E-07
4079	485863.1	3854877	1.13E-03	1.10E-03	1.09E-03	3.91E-07	1.18E-06	6.84E-07	6.67E-07	6.05E-07	2.76E-07	2.72E-07	0.00E+00	0.00E+00	1.26E-07	2.26E-08	1.44E-07	2.22E-08	2.11E-08	3.35E-07	3.57E-07	1.31E-07	1.78E-07	6.65E-08	3.57E-07	1.31E-07
4080	486363.1	3854877	8.68E-04	8.47E-04	8.36E-04	3.00E-07	9.07E-07	5.25E-07	5.12E-07	4.65E-07	2.12E-07	2.09E-07	0.00E+00	0.00E+00	9.66E-08	1.74E-08	1.10E-07	1.70E-08	1.62E-08	2.58E-07	2.74E-07	1.00E-07	1.37E-07	5.11E-08	2.74E-07	1.00E-07
4081	486863.1	3854877	7.24E-04	7.06E-04	6.97E-04	2.51E-07	7.57E-07	4.38E-07	4.27E-07	3.87E-07	1.77E-07	1.74E-07	0.00E+00	0.00E+00	8.06E-08	1.45E-08	9.21E-08	1.42E-08	1.35E-08	2.15E-07	2.28E-07	8.38E-08	1.14E-07	4.26E-08	2.28E-07	8.38E-08
4082	487363.1	3854877	6.52E-04	6.36E-04	6.28E-04	2.26E-07	6.81E-07	3.94E-07	3.85E-07	3.49E-07	1.59E-07	1.57E-07	0.00E+00	0.00E+00	7.26E-08	1.31E-08	8.29E-08	1.28E-08	1.22E-08	1.93E-07	2.06E-07	7.54E-08	1.03E-07	3.84E-08	2.06E-07	7.54E-08
4083	487863.1	3854877	6.02E-04	5.88E-04	5.80E-04	2.09E-07	6.30E-07	3.64E-07	3.56E-07	3.22E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.71E-08	1.21E-08	7.66E-08	1.18E-08	1.12E-08	1.79E-07	1.90E-07	6.97E-08	9.49E-08	3.55E-08	1.90E-07	6.97E-08
4084	488363.1	3854877	5.73E-04	5.59E-04	5.51E-04	1.98E-07	5.98E-07	3.46E-07	3.38E-07	3.06E-07	1.40E-07	1.38E-07	0.00E+00	0.00E+00	6.37E-08	1.15E-08	7.28E-08	1.12E-08	1.07E-08	1.70E-07	1.81E-07	6.63E-08	9.02E-08	3.37E-08	1.81E-07	6.63E-08
4085	488863.1	3854877	5.55E-04	5.41E-04	5.34E-04	1.92E-07	5.80E-07	3.36E-07	3.28E-07	2.97E-07	1.35E-07	1.34E-07	0.00E+00	0.00E+00	6.17E-08	1.11E-08	7.05E-08	1.09E-08	1.04E-08	1.65E-07	1.75E-07	6.42E-08	8.74E-08	3.27E-08	1.75E-07	6.42E-08
4086	489363.1	3854877	5.31E-04	5.18E-04	5.11E-04	1.84E-07	5.55E-07	3.21E-07	3.13E-07	2.84E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.91E-08	1.06E-08	6.75E-08	1.04E-08	9.90E-09	1.57E-07	1.67E-07	6.14E-08	8.36E-08	3.12E-08	1.67E-07	6.14E-08
4087	489863.1	3854877	4.96E-04	4.84E-04	4.78E-04	1.72E-07	5.19E-07	3.00E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	0.00E+00	0.00E+00	5.52E-08	9.94E-09	6.31E-08	9.73E-09	9.26E-09	1.47E-07	1.57E-07	5.74E-08	7.82E-08	2.92E-08	1.57E-07	5.74E-08
4088	490363.1	3854877	4.23E-04	4.13E-04	4.07E-04	1.46E-07	4.42E-07	2.56E-07	2.50E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.71E-08	8.47E-09	5.38E-08	8.29E-09	7.89E-09	1.25E-07	1.33E-07	4.89E-08	6.66E-08	2.49E-08	1.33E-07	4.89E-08
4089	490863.1	3854877	3.52E-04	3.44E-04	3.39E-04	1.22E-07	3.68E-07	2.13E-07	2.08E-07	1.89E-07	8.60E-08	8.49E-08	0.00E+00	0.00E+00	3.92E-08	7.06E-09	4.48E-08	6.91E-09	6.57E-09	1.05E-07	1.11E-07	4.08E-08	5.55E-08	2.07E-08	1.11E-07	4.08E-08
4090	491363.1	3854877	3.60E-04	3.51E-04	3.47E-04	1.25E-07	3.76E-07	2.18E-07	2.13E-07	1.93E-07	8.79E-08	8.68E-08	0.00E+00	0.00E+00	4.01E-08	7.22E-09	4.58E-08	7.06E-09	6.72E-09	1.07E-07	1.14E-07	4.17E-08	5.67E-08	2.12E-08	1.14E-07	4.17E-08
4091	491863.1	3854877	4.21E-04	4.11E-04	4.05E-04	1.46E-07	4.40E-07	2.55E-07	2.49E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.69E-08	8.44E-09	5.36E-08	8.26E-09	7.86E-09	1.25E-07	1.33E-07	4.87E-08	6.63E-08	2.48E-08	1.33E-07	4.87E-08
4092	492363.1	3854877	4.14E-04	4.04E-04	3.99E-04	1.43E-07	4.33E-07	2.51E-07	2.44E-07	2.22E-07	1.01E-07	9.98E-08	0.00E+00	0.00E+00	4.61E-08	8.30E-09	5.27E-08	8.12E-09	7.73E-09	1.23E-07	1.31E-07	4.79E-08	6.52E-08	2.44E-08	1.31E-07	4.79E-08
4093	492863.1	3854877	3.98E-04	3.88E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.72E-08	9.59E-08	0.00E+00	0.00E+00	4.43E-08	7.97E-09	5.06E-08	7.80E-09	7.42E-09	1.18E-07	1.26E-07	4.61E-08	6.27E-08	2.34E-08	1.26E-07	4.61E-08
4094	493363.1	3854877	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.26E-08	9.14E-08	0.00E+00	0.00E+00	4.22E-08	7.60E-09	4.82E-08	7.44E-09	7.08E-09	1.13E-07	1.20E-07	4.39E-08	5.97E-08	2.23E-08	1.20E-07	4.39E-08
4095	493863.1	3854877	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	0.00E+00	0.00E+00	4.05E-08	7.30E-09	4.63E-08	7.14E-09	6.80E-09	1.08E-07	1.15E-07	4.22E-08	5.74E-08	2.14E-08	1.15E-07	4.22E-08
4096	494363.1	3854877	3.20E-04	3.13E-04	3.08E-04	1.11E-07	3.35E-07	1.94E-07	1.89E-07	1.71E-07	7.82E-08	7.72E-08	0.00E+00	0.00E+00	3.57E-08	6.42E-09	4.07E-08	6.28E-09	5.98E-09	9.51E-08	1.01E-07	3.71E-08	5.05E-08	1.89E-08	1.01E-07	3.71E-08
4097	494863.1	3854877	2.76E-04	2.69E-04	2.66E-04	9.55E-08	2.88E-07	1.67E-07	1.63E-07	1.48E-07	6.74E-08	6.65E-08	0.00E+00	0.00E+00	3.07E-08	5.53E-09	3.51E-08	5.41E-09	5.15E-09	8.19E-08	8.71E-08	3.19E-08	4.35E-08	1.62E-08	8.71E-08	3.19E-08
4098	495363.1	3854877	2.48E-04	2.42E-04	2.39E-04	8.59E-08	2.59E-07	1.50E-07	1.46E-07	1.33E-07	6.06E-08	5.98E-08	0.00E+00	0.00E+00	2.76E-08	4.97E-09	3.16E-08	4.87E-09	4.63E-09	7.36E-08	7.83E-08	2.87E-08	3.91E-08	1.46E-08	7.83E-08	2.87E-08
4099	495863.1	3854877	2.33E-04	2.27E-04	2.24E-04	8.06E-08	2.43E-07	1.41E-07	1.37E-07	1.25E-07	5.68E-08	5.61E-08	0.00E+00	0.00E+00	2.59E-08	4.66E-09	2.96E-08	4.56E-09	4.34E-09	6.91E-08	7.35E-08	2.69E-08	3.67E-08	1.37E-08	7.35E-08	2.69E-08
4100	496363.1	3854877	2.12E-04	2.07E-04	2.04E-04	7.34E-08	2.22E-07	1.28E-07	1.25E-07	1.13E-07	5.18E-08	5.11E-08	0.00E+00	0.00E+00	2.36E-08	4.25E-09	2.70E-08	4.16E-09	3.96E-09	6.29E-08	6.69E-08	2.45E-08	3.34E-08	1.25E-08	6.69E-08	2.45E-08
4101	496863.1	3854877	2.00E-04	1.95E-04	1.92E-04	6.91E-08	2.09E-07	1.21E-07	1.18E-07	1.07E-07	4.87E-08	4.81E-08	0.00E+00	0.00E+00	2.22E-08	4.00E-09	2.54E-08	3.91E-09	3.72E-09	5.92E-08	6.30E-08	2.31E-08	3.14E-08	1.17E-08	6.30E-08	2.31E-08
4102	497363.1	3854877	1.96E-04	1.91E-04	1.89E-04	6.78E-08	2.05E-07	1.18E-07	1.16E-07	1.05E-07	4.78E-08	4.72E-08	0.00E+00	0.00E+00	2.18E-08	3.92E-09	2.49E-08	3.84E-09	3.65E-09	5.81E-08	6.18E-08	2.27E-08	3.08E-08	1.15E-08	6.18E-08	2.27E-08
4103	497863.1	3854877	2.02E-04	1.98E-04	1.95E-04	7.01E-08	2.12E-07	1.23E-07	1.20E-07	1.08E-07	4.94E-08	4.88E-08	0.00E+00	0.00E+00	2.25E-08	4.06E-09	2.57E-08	3.97E-09	3.78E-09	6.01E-08	6.39E-08	2.34E-08	3.19E-08	1.19E-08	6.39E-08	2.34E-08
4104	498363.1	3854877	2.00E-04	1.95E-04	1.92E-04	6.91E-08	2.09E-07	1.21E-07	1.18E-07	1.07E-07	4.87E-08	4.81E-08	0.00E+00	0.00E+00	2.22E-08	4.00E-09	2.54E-08	3.91E-09	3.72E-09	5.92E-08	6.30E-08	2.31E-08	3.14E-08	1.17E-08	6.30E-08	2.31E-08
4105	471363.1	3855377	1.17E-04	1.15E-04	1.13E-04	4.06E-08	1.23E-07	7.10E-08	6.93E-08	6.28E-08	2.87E-08	2.83E-08	0.00E+00	0.00E+00	1.31E-08	2.35E-09	1.49E-08	2.30E-09	2.19E-09	3.48E-08	3.71E-08	1.36E-08	1.85E-08	6.91E-09	3.71E-08	1.36E-08
4106	471863.1	3855377	1.20E-04	1.17E-04	1.15E-04	4.15E-08	1.25E-07	7.25E-08	7.08E-08	6.42E-08	2.93E-08	2.89E-08	0.00E+00	0.00E+00	1.33E-08	2.40E-09	1.52E-08	2.35E-09	2.24E-09	3.56E-08	3.78E-08	1.39E-08	1.89E-08	7.06E-09	3.78E-08	1.39E-08
4107	472363.1	3855377	1.24E-04	1.21E-04	1.19E-04	4.29E-08	1.30E-07	7.51E-08	7.32E-08	6.64E-08	3.03E-08	2.99E-08	0.00E+00	0.00E+00	1.38E-08	2.49E-09	1.58E-08	2.43E-09	2.31E-09	3.68E-08	3.92E-08	1.44E-08	1.95E-08	7.30E-09	3.92E-08	1.44E-08
4108	472863.1	3855377	1.26E-04	1.23E-04	1.21E-04	4.35E-08	1.31E-07	7.61E-08	7.42E-08	6.73E-08	3.07E-08	3.03E-08	0.00E+00	0.00E+00	1.40E-08	2.52E-09	1.60E-08	2.47E-09	2.35E-09	3.73E-08	3.97E-08	1.46E-08	1.98E-08	7.40E-09	3.97E-08	1.46E-08
4109	473363.1	3855377	1.32E-04	1.28E-04	1.27E-04	4.55E-08	1.37E-07	7.96E-08	7.77E-08	7.04E-08	3.21E-08	3.17E-08	0.00E+00	0.00E+00	1.46E-08	2.64E-09	1.67E-08	2.58E-09	2.45E-09	3.90E-08	4.15E-08	1.52E-08	2.07E-08	7.74E-09	4.15E-08	1.52E-08
4110	473863.1	3855377	1.36E-04	1.33E-04	1.31E-04	4.72E-08	1.43E-07	8.26E-08	8.06E-08	7.31E-08	3.33E-08	3.29E-08	0.00E+00	0.00E+00	1.52E-08	2.74E-09	1.74E-08	2.68E-09	2.55E-09	4.05E-08	4.31E-08	1.58E-08	2.15E-08	8.04E-09	4.31E-08	1.58E-08
4111	474363.1	3855377	1.41E-04	1.37E-04	1.35E-04	4.87E-08	1.47E-07	8.51E-08	8.30E-08	7.53E-08	3.43E-08	3.39E-08	0.00E+00	0.00E+00	1.57E-08	2.82E-09	1.79E-08	2.76E-09	2.62E-09	4.17E-08	4.44E-08	1.63E-08	2.22E-08	8.28E-09	4.44E-08	1.63E-08
4112	474863.1	3855377	1.32E-04	1.28E-04	1.27E-04	4.55E-08	1.37E-07	7.96E-08	7.77E-08	7.04E-08	3.21E-08	3.17E-08	0.00E+00	0.00E+00	1.46E-08	2.64E-09	1.67E-08	2.58E-09	2.45E-09	3.90E-08	4.15E-08	1.52E-08	2.07E-08	7.74E-09	4.15E-08	1.52E-08
4113	475363.1	3855377	1.05E-04	1.03E-04	1.01E-04	3.65E-08	1.10E-07	6.38E-08	6.22E-08	5.64E-08	2.57E-08	2.54E-08	0.00E+00	0.00E+00	1.17E-08	2.11E-09	1.34E-08	2.07E-09	1.97E-09	3.13E-08	3.33E-08	1.22E-08	1.66E-08	6.20E-09	3.33E-08	1.22E-08
4114	475863.1	3855377	1.00E-04	9.80E-05	9.67E-05	3.48E-08	1.05E-07	6.07E-08	5.93E-08	5.37E-08	2.45E-08	2.42E-08	0.00E+00	0.00E+00	1.12E-08	2.01E-09	1.28E-08	1.97E-09	1.87E-09	2.98E-08	3.17E-08	1.16E-08	1.58E-08	5.91E-09	3.17E-08	1.16E-08
4115	476363.1	3855377	1.07E-04	1.04E-04	1.03E-04	3.71E-08	1.12E-07	6.48E-08	6.32E-08	5.73E-08	2.61E-08	2.58E-08	0.00E+00	0.00E+00	1.19E-08	2.15E-09	1.36E-08	2.10E-09	2.00E-09	3.18E-08	3.38E-08	1.24E-08	1.69E-08	6.30E-09	3.38E-08	1.24E-08
4116	476863.1	3855377	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	0.00E+00	0.00E+00	1.21E-08	2.19E-09	1.39E-08	2.14E-09	2.04E-09	3.24E-08	3.44E-08	1.26E-08	1.72E-08	6.42E-09	3.44E-08	1.26E-08
4117	477363.1	3855377	1.15E-04	1.12E-04	1.11E-04	3.98E-08	1.20E-07	6.95E-08	6.79E-08	6.15E-08	2.81E-08	2.77E-08	0.00E+00	0.00E+00	1.28E-08	2.30E-09	1.46E-08	2.25E-09	2.14E-09	3.41E-08	3.63E-08	1.33E-08	1.81E-08	6.77E-09	3.63E-08	1.33E-08
4118	477863.1	3855377	1.27E-04	1.24E-04	1.23E-04	4.41E-08	1.33E-07	7.71E-08	7.52E-08	6.82E-08	3.11E-08	3.07E-08	0.00E+00	0.00E+00	1.42E-08	2.55E-09	1.62E-08	2.50E-09	2.38E-09	3.78E-08	4.02E-08	1.47E-08	2.01E-08	7.50E-09	4.02E-08	1.47E-08
4119	478363.1	3855377	1.42E-04	1.38E-04	1.37E-04	4.91E-08	1.48E-07	8.59E-08	8.38E-08	7.59E-08	3.47E-08	3.42E-08	0.00E+00	0.00E+00	1.58E-08	2.84E-09	1.80E-08	2.78E-09	2.65E-09	4.21E-08	4.48E-08	1.64E-08	2.24E-08	8.35E-09	4.48E-08	1.64E-08
4120	478863.1	3855377	1.58E-04	1.54E-04	1.52E-04	5.46E-08	1.65E-07	9.54E-08	9.31E-08	8.44E-08	3.85E-08	3.80E-08	0.00E+00	0.00E+00	1.75E-08	3.16E-09	2.00E-08	3.09E-09	2.94E-09	4.68E-08	4.98E-08	1.82E-08	2.48E-08	9.28E-09	4.98E-08	1.82E-08
4121	479363.1	3855377	1.78E-04	1.73E-04	1.71E-04	6.15E-08	1.86E-07	1.07E-07	1.05E-07	9.50E-08	4.34E-08	4.28E-08	0.00E+00	0.00E+00	1.98E-08	3.56E-09	2.26E-08	3.48E-09	3.31E-09	5.27E-08	5.60E-08	2.06E-08	2.80E-08	1.05E-08	5.60E-08	2.06E-08
4122	479863.1	3855377	2.00E-04	1.95E-04	1.92E-04	6.91E-08	2.09E-07	1.21E-07	1.18E-07	1.07E-07	4.87E-08	4.81E-08	0.00E+00	0.00E+00	2.22E-08	4.00E-09	2.54E-08	3.91E-09	3.72E-09	5.92E-08	6.30E-08	2.31E-08	3.14E-08	1.17E-08	6.30E-08	2.31E-08
4123	480363.1	3855377	2.36E-04	2.30E-04	2.27E-04	8.16E-08	2.46E-07	1.43E-07	1.39E-07	1.26E-07	5.76E-08	5.68E-08	0.00E+00	0.00E+00	2.62E-08	4.72E-09	3.00E-08	4.62E-09	4.40E-09	6.99E-08	7.44E-08	2.73E-08	3.71E-08	1.39E-08	7.44E-08	2.73E-08
4124	480863.1	3855377	2.86E-04	2.79E-04	2.75E-04	9.90E-08	2.99E-07	1.73E-07	1.69E-07	1.53E-07	6.98E-08	6.89E-08	0.00E+00	0.00E+00	3.18E-08	5.73E-09	3.64E-08	5.61E-09	5.33E-09	8.48E-08	9.02E-08	3.31E-08	4.50E-08	1.68E-08	9.02E-08	3.31E-08
4125	481363.1	3855377	3.49E-04	3.41E-04	3.36E-04	1.21E-07	3.65E-07	2.11E-07	2.06E-07	1.87E-07	8.53E-08	8.42E-08	0.00E+00	0.00E+00	3.89E-08	7.00E-09	4.44E-08	6.85E-09	6.52E-09	1.04E-07	1.10E-07	4.04E-08	5.50E-08	2.06E-08	1.10E-07	4.04E-08
4126	481863.1	3855377	4.20E-04	4.10E-04	4.04E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.67E-08	8.41E-09	5.34E-08	8.23E-09	7.83E-09	1.25E-07	1.33E-07	4.86E-08	6.61E-08	2.47E-08	1.33E-07	4.86E-08
4127	482363.1	3855377	5.12E-04	5.00E-04	4.93E-04	1.77E-07	5.35E-07	3.10E-07	3.02E-07	2.74E-07	1.25E-07	1.23E-07	0.00E+00	0.00E+00	5.70E-08	1.03E-08	6.51E-08	1.00E-08	9.55E-09	1.52E-07	1.62E-07	5.93E-08	8.07E-08	3.01E-08	1.62E-07	5.93E-08
4128	482863.1	3855377	6.90E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.69E-07	1.69E-07	1.66E-07	0.00E+00	0.00E+00	7.68E-08	1.38E-08	8.78E-08	1.35E-08	1.29E-08	2.05E-07	2.18E-07	7.99E-08	1.09E-07	4.06E-08	2.18E-07	7.99E-08
4129	483363.1	3855377	1.29E-03	1.26E-03	1.24E-03	4.47E-07	1.35E-06	7.82E-07	7.63E-07	6.91E-07	3.16E-07	3.11E-07	0.00E+00	0.00E+00	1.44E-07	2.59E-08	1.64E-07	2.53E-08	2.41E-08	3.83E-07	4.08E-07	1.50E-07	2.04E-07	7.61E-08	4.08E-07	1.50E-07
4130	483863.1	3855377	6.93E-03	6.76E-03	6.67E-03	2.40E-06	7.24E-06	4.19E-06	4.09E-06	3.71E-06	1.69E-06	1.67E-06	0.00E+00	0.00E+00	7.71E-07	1.39E-07	8.81E-07	1.36E-07	1.29E-07	2.06E-06	2.19E-06	8.02E-07	1.09E-06	4.08E-07	2.19E-06	8.02E-07
4131	484363.1	3855377	1.87E-03	1.83E-03	1.80E-03	6.48E-07	1.96E-06	1.13E-06	1.11E-06	1.00E-06	4.57E-07	4.51E-07	0.00E+00	0.00E+00	2.09E-07	3.75E-08	2.38E-07	3.67E-08	3.50E-08	5.56E-07	5.91E-07	2.17E-07	2.95E-07	1.10E-07	5.91E-07	2.17E-07
4132	484863.1	3855377	2.34E-03	2.28E-03	2.25E-03	8.10E-07	2.44E-06	1.42E-06	1.38E-06	1.25E-06	5.71E-07	5.64E-07	0.00E+00	0.00E+00	2.60E-07	4.69E-08	2.97E-07	4.59E-08	4.36E-08	6.94E-07	7.38E-07	2.71E-07	3.68E-07	1.38E-07	7.38E-07	2.71E-07
4133	485363.1	3855377	4.16E-03	4.06E-03	4.00E-03	1.44E-06	4.34E-06	2.52E-06	2.45E-06	2.22E-06	1.02E-06	1.00E-06	0.00E+00	0.00E+00	4.63E-07	8.33E-08	5.29E-07	8.15E-08	7.76E-08	1.23E-06	1.31E-06	4.81E-07	6.55E-07	2.45E-07	1.31E-06	4.81E-07
4134	485863.1	3855377	1.76E-03	1.72E-03	1.69E-03	6.09E-07	1.84E-06	1.06E-06	1.04E-06	9.42E-07	4.30E-07	4.24E-07	0.00E+00	0.00E+00	1.96E-07	3.53E-08	2.24E-07	3.45E-08	3.28E-08	5.22E-07	5.55E-07	2.04E-07	2.77E-07	1.04E-07	5.55E-07	2.04E-07
4135	486363.1	3855377	1.18E-03	1.15E-03	1.14E-03	4.09E-07	1.24E-06	7.15E-07	6.98E-07	6.33E-07	2.89E-07	2.85E-07	0.00E+00	0.00E+00	1.32E-07	2.37E-08	1.50E-07	2.32E-08	2.21E-08	3.51E-07	3.73E-07	1.37E-07	1.86E-07	6.96E-08	3.73E-07	1.37E-07
4136	486863.1	3855377	9.15E-04	8.93E-04	8.81E-04	3.17E-07	9.57E-07	5.54E-07	5.40E-07	4.90E-07	2.24E-07	2.21E-07	0.00E+00	0.00E+00	1.02E-07	1.83E-08	1.16E-07	1.79E-08	1.71E-08	2.72E-07	2.89E-07	1.06E-07	1.44E-07	5.39E-08	2.89E-07	1.06E-07
4137	487363.1	3855377	8.11E-04	7.91E-04	7.81E-04	2.81E-07	8.48E-07	4.91E-07	4.79E-07	4.34E-07	1.98E-07	1.95E-07	0.00E+00	0.00E+00	9.03E-08	1.63E-08	1.03E-07	1.59E-08	1.51E-08	2.41E-07	2.56E-07	9.39E-08	1.28E-07	4.77E-08	2.56E-07	9.39E-08
4138	487863.1	3855377	7.30E-04	7.12E-04	7.03E-04	2.53E-07	7.63E-07	4.42E-07	4.31E-07	3.91E-07	1.78E-07	1.76E-07	0.00E+00	0.00E+00	8.12E-08	1.46E-08	9.28E-08	1.43E-08	1.36E-08	2.17E-07	2.30E-07	8.45E-08	1.15E-07	4.30E-08	2.30E-07	8.45E-08
4139	488363.1	3855377	6.66E-04	6.50E-04	6.42E-04	2.31E-07	6.96E-07	4.03E-07	3.93E-07	3.57E-07	1.63E-07	1.61E-07	0.00E+00	0.00E+00	7.42E-08	1.34E-08	8.47E-08	1.31E-08	1.24E-08	1.98E-07	2.10E-07	7.71E-08	1.05E-07	3.92E-08	2.10E-07	7.71E-08
4140	488863.1	3855377	6.19E-04	6.04E-04	5.96E-04	2.14E-07	6.47E-07	3.74E-07	3.65E-07	3.31E-07	1.51E-07	1.49E-07	0.00E+00	0.00E+00	6.89E-08	1.24E-08	7.87E-08	1.21E-08	1.15E-08	1.84E-07	1.95E-07	7.16E-08	9.74E-08	3.64E-08	1.95E-07	7.16E-08
4141	489363.1	3855377	5.79E-04	5.65E-04	5.58E-04	2.00E-07	6.05E-07	3.50E-07	3.42E-07	3.10E-07	1.41E-07	1.40E-07	0.00E+00	0.00E+00	6.45E-08	1.16E-08	7.37E-08	1.14E-08	1.08E-08	1.72E-07	1.83E-07	6.70E-08	9.12E-08	3.41E-08	1.83E-07	6.70E-08
4142	489863.1	3855377	5.43E-04	5.30E-04	5.23E-04	1.88E-07	5.67E-07	3.28E-07	3.20E-07	2.90E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.04E-08	1.09E-08	6.90E-08	1.06E-08	1.01E-08	1.61E-07	1.71E-07	6.28E-08	8.55E-08	3.19E-08	1.71E-07	6.28E-08
4143	490363.1	3855377	5.23E-04	5.10E-04	5.03E-04	1.81E-07	5.46E-07	3.16E-07	3.09E-07	2.80E-07	1.28E-07	1.26E-07	0.00E+00	0.00E+00	5.82E-08	1.05E-08	6.65E-08	1.03E-08	9.75E-09	1.55E-07	1.65E-07	6.05E-08	8.24E-08	3.08E-08	1.65E-07	6.05E-08
4144	490863.1	3855377	4.16E-04	4.06E-04	4.00E-04	1.44E-07	4.35E-07	2.52E-07	2.45E-07	2.22E-07	1.02E-07	1.00E-07	0.00E+00	0.00E+00	4.63E-08	8.33E-09	5.29E-08	8.15E-09	7.76E-09	1.23E-07	1.31E-07	4.81E-08	6.55E-08	2.45E-08	1.31E-07	4.81E-08
4145	491363.1	3855377	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.25E-08	9.13E-08	0.00E+00	0.00E+00	4.22E-08	7.59E-09	4.82E-08	7.43E-09	7.07E-09	1.12E-07	1.20E-07	4.38E-08	5.97E-08	2.23E-08	1.20E-07	4.38E-08
4146	491863.1	3855377	4.47E-04	4.36E-04	4.31E-04	1.55E-07	4.67E-07	2.71E-07	2.64E-07	2.39E-07	1.09E-07	1.08E-07	0.00E+00	0.00E+00	4.98E-08	8.96E-09	5.69E-08	8.77E-09	8.35E-09	1.33E-07	1.41E-07	5.18E-08	7.05E-08	2.63E-08	1.41E-07	5.18E-08
4147	492363.1	3855377	4.36E-04	4.25E-04	4.19E-04	1.51E-07	4.55E-07	2.64E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.85E-08	8.73E-09	5.54E-08	8.54E-09	8.13E-09	1.29E-07	1.37E-07	5.04E-08	6.86E-08	2.56E-08	1.37E-07	5.04E-08
4148	492863.1	3855377	4.16E-04	4.06E-04	4.00E-04	1.44E-07	4.35E-07	2.52E-07	2.45E-07	2.22E-07	1.02E-07	1.00E-07	0.00E+00	0.00E+00	4.63E-08	8.33E-09	5.29E-08	8.15E-09	7.76E-09	1.23E-07	1.31E-07	4.81E-08	6.55E-08	2.45E-08	1.31E-07	4.81E-08
4149	493363.1	3855377	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.04E-07	2.34E-07	2.28E-07	2.07E-07	9.43E-08	9.31E-08	0.00E+00	0.00E+00	4.30E-08	7.74E-09	4.91E-08	7.57E-09	7.21E-09	1.15E-07	1.22E-07	4.47E-08	6.08E-08	2.27E-08	1.22E-07	4.47E-08
4150	493863.1	3855377	3.40E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.31E-08	8.20E-08	0.00E+00	0.00E+00	3.79E-08	6.82E-09	4.33E-08	6.67E-09	6.35E-09	1.01E-07	1.07E-07	3.94E-08	5.36E-08	2.00E-08	1.07E-07	3.94E-08
4151	494363.1	3855377	2.93E-04	2.86E-04	2.82E-04	1.01E-07	3.06E-07	1.77E-07	1.73E-07	1.57E-07	7.15E-08	7.06E-08	0.00E+00	0.00E+00	3.26E-08	5.87E-09	3.72E-08	5.74E-09	5.47E-09	8.69E-08	9.24E-08	3.39E-08	4.61E-08	1.72E-08	9.24E-08	3.39E-08

4152	494863.1	3855377	2.53E-04	2.47E-04	2.44E-04	8.76E-08	2.65E-07	1.53E-07	1.49E-07	1.35E-07	6.18E-08	6.10E-08	0.00E+00	0.00E+00	2.82E-08	5.07E-09	3.22E-08	4.96E-09	4.72E-09	7.51E-08	7.99E-08	2.93E-08	3.99E-08	1.49E-08	7.99E-08	2.93E-08
4153	495363.1	3855377	2.27E-04	2.21E-04	2.19E-04	7.86E-08	2.37E-07	1.37E-07	1.34E-07	1.21E-07	5.54E-08	5.47E-08	0.00E+00	0.00E+00	2.53E-08	4.55E-09	2.89E-08	4.45E-09	4.23E-09	6.74E-08	7.16E-08	2.63E-08	3.58E-08	1.34E-08	7.16E-08	2.63E-08
4154	495863.1	3855377	2.09E-04	2.04E-04	2.01E-04	7.22E-08	2.18E-07	1.26E-07	1.23E-07	1.12E-07	5.10E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.18E-09	2.65E-08	4.09E-09	3.89E-09	6.19E-08	6.59E-08	2.42E-08	3.29E-08	1.23E-08	6.59E-08	2.42E-08
4155	496363.1	3855377	2.05E-04	2.00E-04	1.97E-04	7.08E-08	2.14E-07	1.24E-07	1.21E-07	1.09E-07	5.00E-08	4.93E-08	0.00E+00	0.00E+00	2.28E-08	4.10E-09	2.60E-08	4.01E-09	3.82E-09	6.07E-08	6.46E-08	2.37E-08	3.22E-08	1.20E-08	6.46E-08	2.37E-08
4156	496863.1	3855377	2.01E-04	1.96E-04	1.93E-04	6.95E-08	2.10E-07	1.21E-07	1.19E-07	1.07E-07	4.90E-08	4.84E-08	0.00E+00	0.00E+00	2.24E-08	4.02E-09	2.55E-08	3.94E-09	3.75E-09	5.96E-08	6.34E-08	2.32E-08	3.16E-08	1.18E-08	6.34E-08	2.32E-08
4157	497363.1	3855377	2.01E-04	1.96E-04	1.94E-04	6.97E-08	2.10E-07	1.22E-07	1.19E-07	1.08E-07	4.91E-08	4.85E-08	0.00E+00	0.00E+00	2.24E-08	4.03E-09	2.56E-08	3.95E-09	3.75E-09	5.97E-08	6.35E-08	2.33E-08	3.17E-08	1.18E-08	6.35E-08	2.33E-08
4158	497863.1	3855377	2.05E-04	2.00E-04	1.97E-04	7.08E-08	2.14E-07	1.24E-07	1.21E-07	1.09E-07	5.00E-08	4.93E-08	0.00E+00	0.00E+00	2.28E-08	4.10E-09	2.60E-08	4.01E-09	3.82E-09	6.07E-08	6.46E-08	2.37E-08	3.22E-08	1.20E-08	6.46E-08	2.37E-08
4159	498363.1	3855377	2.09E-04	2.04E-04	2.01E-04	7.24E-08	2.19E-07	1.27E-07	1.23E-07	1.12E-07	5.11E-08	5.04E-08	0.00E+00	0.00E+00	2.33E-08	4.19E-09	2.66E-08	4.10E-09	3.90E-09	6.21E-08	6.60E-08	2.42E-08	3.29E-08	1.23E-08	6.60E-08	2.42E-08
4160	471363.1	3855877	1.15E-04	1.12E-04	1.11E-04	3.98E-08	1.20E-07	6.95E-08	6.79E-08	6.15E-08	2.81E-08	2.77E-08	0.00E+00	0.00E+00	1.28E-08	2.30E-09	1.46E-08	2.25E-09	2.14E-09	3.41E-08	3.63E-08	1.33E-08	1.81E-08	6.77E-09	3.63E-08	1.33E-08
4161	471863.1	3855877	1.18E-04	1.15E-04	1.13E-04	4.08E-08	1.23E-07	7.13E-08	6.96E-08	6.31E-08	2.88E-08	2.84E-08	0.00E+00	0.00E+00	1.31E-08	2.36E-09	1.50E-08	2.31E-09	2.20E-09	3.50E-08	3.72E-08	1.36E-08	1.86E-08	6.94E-09	3.72E-08	1.36E-08
4162	472363.1	3855877	1.23E-04	1.20E-04	1.18E-04	4.25E-08	1.28E-07	7.43E-08	7.25E-08	6.57E-08	3.00E-08	2.96E-08	0.00E+00	0.00E+00	1.37E-08	2.46E-09	1.56E-08	2.41E-09	2.29E-09	3.64E-08	3.88E-08	1.42E-08	1.93E-08	7.23E-09	3.88E-08	1.42E-08
4163	472863.1	3855877	1.24E-04	1.21E-04	1.19E-04	4.28E-08	1.29E-07	7.48E-08	7.30E-08	6.62E-08	3.02E-08	2.98E-08	0.00E+00	0.00E+00	1.38E-08	2.48E-09	1.57E-08	2.42E-09	2.31E-09	3.67E-08	3.90E-08	1.43E-08	1.95E-08	7.28E-09	3.90E-08	1.43E-08
4164	473363.1	3855877	1.30E-04	1.27E-04	1.25E-04	4.50E-08	1.36E-07	7.86E-08	7.67E-08	6.95E-08	3.17E-08	3.13E-08	0.00E+00	0.00E+00	1.45E-08	2.60E-09	1.65E-08	2.55E-09	2.42E-09	3.85E-08	4.10E-08	1.50E-08	2.05E-08	7.64E-09	4.10E-08	1.50E-08
4165	473863.1	3855877	1.35E-04	1.32E-04	1.30E-04	4.67E-08	1.41E-07	8.16E-08	7.96E-08	7.22E-08	3.29E-08	3.25E-08	0.00E+00	0.00E+00	1.50E-08	2.70E-09	1.71E-08	2.64E-09	2.52E-09	4.00E-08	4.26E-08	1.56E-08	2.12E-08	7.94E-09	4.26E-08	1.56E-08
4166	474363.1	3855877	1.38E-04	1.35E-04	1.33E-04	4.78E-08	1.44E-07	8.36E-08	8.16E-08	7.39E-08	3.37E-08	3.33E-08	0.00E+00	0.00E+00	1.54E-08	2.77E-09	1.76E-08	2.71E-09	2.58E-09	4.10E-08	4.36E-08	1.60E-08	2.18E-08	8.13E-09	4.36E-08	1.60E-08
4167	474863.1	3855877	1.27E-04	1.23E-04	1.22E-04	4.38E-08	1.32E-07	7.66E-08	7.47E-08	6.77E-08	3.09E-08	3.05E-08	0.00E+00	0.00E+00	1.41E-08	2.54E-09	1.61E-08	2.48E-09	2.36E-09	3.76E-08	3.99E-08	1.46E-08	1.99E-08	7.45E-09	3.99E-08	1.46E-08
4168	475363.1	3855877	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	0.00E+00	0.00E+00	1.21E-08	2.19E-09	1.39E-08	2.14E-09	2.04E-09	3.24E-08	3.44E-08	1.26E-08	1.72E-08	6.42E-09	3.44E-08	1.26E-08
4169	475863.1	3855877	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	0.00E+00	0.00E+00	1.00E-08	1.80E-09	1.14E-08	1.77E-09	1.68E-09	2.67E-08	2.84E-08	1.04E-08	1.42E-08	5.30E-09	2.84E-08	1.04E-08
4170	476363.1	3855877	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	0.00E+00	0.00E+00	1.04E-08	1.87E-09	1.19E-08	1.83E-09	1.74E-09	2.77E-08	2.95E-08	1.08E-08	1.47E-08	5.50E-09	2.95E-08	1.08E-08
4171	476863.1	3855877	1.06E-04	1.04E-04	1.02E-04	3.68E-08	1.11E-07	6.43E-08	6.27E-08	5.68E-08	2.59E-08	2.56E-08	0.00E+00	0.00E+00	1.18E-08	2.13E-09	1.35E-08	2.08E-09	1.98E-09	3.15E-08	3.35E-08	1.23E-08	1.67E-08	6.25E-09	3.35E-08	1.23E-08
4172	477363.1	3855877	1.15E-04	1.13E-04	1.11E-04	3.99E-08	1.21E-07	6.98E-08	6.81E-08	6.17E-08	2.82E-08	2.78E-08	0.00E+00	0.00E+00	1.28E-08	2.31E-09	1.47E-08	2.26E-09	2.15E-09	3.42E-08	3.64E-08	1.34E-08	1.82E-08	6.79E-09	3.64E-08	1.34E-08
4173	477863.1	3855877	1.25E-04	1.22E-04	1.20E-04	4.32E-08	1.31E-07	7.56E-08	7.37E-08	6.68E-08	3.05E-08	3.01E-08	0.00E+00	0.00E+00	1.39E-08	2.50E-09	1.59E-08	2.45E-09	2.33E-09	3.71E-08	3.94E-08	1.45E-08	1.97E-08	7.35E-09	3.94E-08	1.45E-08
4174	478363.1	3855877	1.39E-04	1.35E-04	1.33E-04	4.80E-08	1.45E-07	8.38E-08	8.18E-08	7.42E-08	3.38E-08	3.34E-08	0.00E+00	0.00E+00	1.54E-08	2.78E-09	1.76E-08	2.72E-09	2.59E-09	4.11E-08	4.37E-08	1.60E-08	2.18E-08	8.16E-09	4.37E-08	1.60E-08
4175	478863.1	3855877	1.54E-04	1.51E-04	1.49E-04	5.34E-08	1.61E-07	9.34E-08	9.11E-08	8.26E-08	3.77E-08	3.72E-08	0.00E+00	0.00E+00	1.72E-08	3.09E-09	1.96E-08	3.03E-09	2.88E-09	4.58E-08	4.87E-08	1.79E-08	2.43E-08	9.09E-09	4.87E-08	1.79E-08
4176	479363.1	3855877	1.75E-04	1.71E-04	1.69E-04	6.06E-08	1.83E-07	1.06E-07	1.03E-07	9.37E-08	4.28E-08	4.22E-08	0.00E+00	0.00E+00	1.95E-08	3.51E-09	2.23E-08	3.43E-09	3.27E-09	5.20E-08	5.53E-08	2.03E-08	2.76E-08	1.03E-08	5.53E-08	2.03E-08
4177	479863.1	3855877	1.96E-04	1.91E-04	1.89E-04	6.78E-08	2.05E-07	1.18E-07	1.16E-07	1.05E-07	4.78E-08	4.72E-08	0.00E+00	0.00E+00	2.18E-08	3.92E-09	2.49E-08	3.84E-09	3.65E-09	5.81E-08	6.18E-08	2.27E-08	3.08E-08	1.15E-08	6.18E-08	2.27E-08
4178	480363.1	3855877	2.25E-04	2.20E-04	2.17E-04	7.80E-08	2.35E-07	1.36E-07	1.33E-07	1.21E-07	5.50E-08	5.43E-08	0.00E+00	0.00E+00	2.51E-08	4.51E-09	2.86E-08	4.42E-09	4.20E-09	6.69E-08	7.11E-08	2.61E-08	3.55E-08	1.33E-08	7.11E-08	2.61E-08
4179	480863.1	3855877	2.63E-04	2.57E-04	2.53E-04	9.11E-08	2.75E-07	1.59E-07	1.55E-07	1.41E-07	6.42E-08	6.34E-08	0.00E+00	0.00E+00	2.93E-08	5.27E-09	3.34E-08	5.16E-09	4.91E-09	7.81E-08	8.30E-08	3.04E-08	4.14E-08	1.55E-08	8.30E-08	3.04E-08
4180	481363.1	3855877	2.83E-04	2.76E-04	2.72E-04	9.79E-08	2.96E-07	1.71E-07	1.67E-07	1.51E-07	6.91E-08	6.82E-08	0.00E+00	0.00E+00	3.15E-08	5.67E-09	3.60E-08	5.55E-09	5.28E-09	8.40E-08	8.93E-08	3.28E-08	4.46E-08	1.67E-08	8.93E-08	3.28E-08
4181	481863.1	3855877	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	0.00E+00	0.00E+00	4.05E-08	7.30E-09	4.63E-08	7.14E-09	6.80E-09	1.08E-07	1.15E-07	4.22E-08	5.74E-08	2.14E-08	1.15E-07	4.22E-08
4182	482363.1	3855877	4.19E-04	4.08E-04	4.03E-04	1.45E-07	4.38E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	0.00E+00	0.00E+00	4.66E-08	8.39E-09	5.32E-08	8.21E-09	7.81E-09	1.24E-07	1.32E-07	4.85E-08	6.59E-08	2.46E-08	1.32E-07	4.85E-08
4183	482863.1	3855877	5.01E-04	4.89E-04	4.83E-04	1.73E-07	5.24E-07	3.03E-07	2.96E-07	2.68E-07	1.22E-07	1.21E-07	0.00E+00	0.00E+00	5.58E-08	1.00E-08	6.37E-08	9.83E-09	9.35E-09	1.49E-07	1.58E-07	5.80E-08	7.90E-08	2.95E-08	1.58E-07	5.80E-08
4184	483363.1	3855877	6.58E-04	6.42E-04	6.33E-04	2.28E-07	6.87E-07	3.98E-07	3.88E-07	3.52E-07	1.61E-07	1.58E-07	0.00E+00	0.00E+00	7.32E-08	1.32E-08	8.36E-08	1.29E-08	1.23E-08	1.95E-07	2.08E-07	7.61E-08	1.04E-07	3.87E-08	2.08E-07	7.61E-08
4185	483863.1	3855877	1.17E-03	1.14E-03	1.12E-03	4.04E-07	1.22E-06	7.07E-07	6.90E-07	6.25E-07	2.85E-07	2.82E-07	0.00E+00	0.00E+00	1.30E-07	2.34E-08	1.49E-07	2.29E-08	2.18E-08	3.47E-07	3.69E-07	1.35E-07	1.84E-07	6.88E-08	3.69E-07	1.35E-07
4186	484363.1	3855877	1.09E-02	1.07E-02	1.05E-02	3.79E-06	1.14E-05	6.62E-06	6.46E-06	5.85E-06	2.67E-06	2.64E-06	0.00E+00	0.00E+00	1.22E-06	2.19E-07	1.39E-06	2.15E-07	2.04E-07	3.25E-06	3.45E-06	1.27E-06	1.72E-06	6.44E-07	3.45E-06	1.27E-06
4187	484863.1	3855877	2.17E-03	2.12E-03	2.09E-03	7.52E-07	2.27E-06	1.31E-06	1.28E-06	1.16E-06	5.31E-07	5.24E-07	0.00E+00	0.00E+00	2.42E-07	4.35E-08	2.76E-07	4.26E-08	4.05E-08	6.45E-07	6.86E-07	2.52E-07	3.42E-07	1.28E-07	6.86E-07	2.52E-07
4188	485363.1	3855877	2.29E-03	2.23E-03	2.20E-03	7.91E-07	2.39E-06	1.38E-06	1.35E-06	1.22E-06	5.58E-07	5.51E-07	0.00E+00	0.00E+00	2.54E-07	4.58E-08	2.91E-07	4.48E-08	4.27E-08	6.78E-07	7.21E-07	2.65E-07	3.60E-07	1.35E-07	7.21E-07	2.65E-07
4189	485863.1	3855877	4.60E-03	4.49E-03	4.43E-03	1.59E-06	4.81E-06	2.78E-06	2.72E-06	2.46E-06	1.12E-06	1.11E-06	0.00E+00	0.00E+00	5.12E-07	9.22E-08	5.85E-07	9.02E-08	8.59E-08	1.37E-06	1.45E-06	5.33E-07	7.25E-07	2.71E-07	1.45E-06	5.33E-07
4190	486363.1	3855877	1.76E-03	1.72E-03	1.70E-03	6.11E-07	1.84E-06	1.07E-06	1.04E-06	9.44E-07	4.31E-07	4.25E-07	0.00E+00	0.00E+00	1.96E-07	3.54E-08	2.24E-07	3.46E-08	3.29E-08	5.24E-07	5.57E-07	2.04E-07	2.78E-07	1.04E-07	5.57E-07	2.04E-07
4191	486863.1	3855877	1.22E-03	1.19E-03	1.17E-03	4.21E-07	1.27E-06	7.35E-07	7.17E-07	6.50E-07	2.97E-07	2.93E-07	0.00E+00	0.00E+00	1.35E-07	2.44E-08	1.55E-07	2.38E-08	2.27E-08	3.61E-07	3.84E-07	1.41E-07	1.91E-07	7.15E-08	3.84E-07	1.41E-07
4192	487363.1	3855877	1.02E-03	9.94E-04	9.81E-04	3.53E-07	1.06E-06	6.16E-07	6.01E-07	5.45E-07	2.49E-07	2.45E-07	0.00E+00	0.00E+00	1.13E-07	2.04E-08	1.30E-07	2.00E-08	1.90E-08	3.02E-07	3.21E-07	1.18E-07	1.60E-07	6.00E-08	3.21E-07	1.18E-07
4193	487863.1	3855877	8.91E-04	8.70E-04	8.58E-04	3.08E-07	9.31E-07	5.39E-07	5.26E-07	4.77E-07	2.18E-07	2.15E-07	0.00E+00	0.00E+00	9.92E-08	1.79E-08	1.13E-07	1.75E-08	1.66E-08	2.64E-07	2.81E-07	1.03E-07	1.40E-07	5.25E-08	2.81E-07	1.03E-07
4194	488363.1	3855877	7.90E-04	7.71E-04	7.61E-04	2.74E-07	8.26E-07	4.78E-07	4.67E-07	4.23E-07	1.93E-07	1.90E-07	0.00E+00	0.00E+00	8.80E-08	1.58E-08	1.01E-07	1.55E-08	1.47E-08	2.35E-07	2.49E-07	9.15E-08	1.25E-07	4.65E-08	2.49E-07	9.15E-08
4195	488863.1	3855877	7.14E-04	6.97E-04	6.87E-04	2.47E-07	7.46E-07	4.32E-07	4.22E-07	3.82E-07	1.74E-07	1.72E-07	0.00E+00	0.00E+00	7.95E-08	1.43E-08	9.08E-08	1.40E-08	1.33E-08	2.12E-07	2.25E-07	8.27E-08	1.12E-07	4.20E-08	2.25E-07	8.27E-08
4196	489363.1	3855877	6.52E-04	6.36E-04	6.28E-04	2.26E-07	6.81E-07	3.94E-07	3.85E-07	3.49E-07	1.59E-07	1.57E-07	0.00E+00	0.00E+00	7.26E-08	1.31E-08	8.29E-08	1.28E-08	1.22E-08	1.93E-07	2.06E-07	7.54E-08	1.03E-07	3.84E-08	2.06E-07	7.54E-08
4197	489863.1	3855877	6.04E-04	5.89E-04	5.81E-04	2.09E-07	6.31E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.72E-08	1.21E-08	7.68E-08	1.18E-08	1.13E-08	1.79E-07	1.91E-07	6.99E-08	9.51E-08	3.55E-08	1.91E-07	6.99E-08
4198	490363.1	3855877	5.68E-04	5.54E-04	5.47E-04	1.97E-07	5.94E-07	3.44E-07	3.35E-07	3.04E-07	1.39E-07	1.37E-07	0.00E+00	0.00E+00	6.32E-08	1.14E-08	7.22E-08	1.11E-08	1.06E-08	1.69E-07	1.79E-07	6.57E-08	8.95E-08	3.34E-08	1.79E-07	6.57E-08
4199	490863.1	3855877	5.31E-04	5.18E-04	5.11E-04	1.84E-07	5.55E-07	3.21E-07	3.13E-07	2.84E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.91E-08	1.06E-08	6.75E-08	1.04E-08	9.90E-09	1.57E-07	1.67E-07	6.14E-08	8.36E-08	3.12E-08	1.67E-07	6.14E-08
4200	491363.1	3855877	4.79E-04	4.68E-04	4.61E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.33E-08	9.60E-09	6.09E-08	9.40E-09	8.94E-09	1.42E-07	1.51E-07	5.55E-08	7.55E-08	2.82E-08	1.51E-07	5.55E-08
4201	491863.1	3855877	4.83E-04	4.72E-04	4.65E-04	1.67E-07	5.05E-07	2.92E-07	2.85E-07	2.59E-07	1.18E-07	1.16E-07	0.00E+00	0.00E+00	5.38E-08	9.69E-09	6.15E-08	9.48E-09	9.02E-09	1.43E-07	1.53E-07	5.60E-08	7.61E-08	2.85E-08	1.53E-07	5.60E-08
4202	492363.1	3855877	4.56E-04	4.45E-04	4.39E-04	1.58E-07	4.77E-07	2.76E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	0.00E+00	0.00E+00	5.08E-08	9.14E-09	5.80E-08	8.94E-09	8.51E-09	1.35E-07	1.44E-07	5.28E-08	7.18E-08	2.68E-08	1.44E-07	5.28E-08
4203	492863.1	3855877	4.31E-04	4.21E-04	4.15E-04	1.49E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.80E-08	8.65E-09	5.49E-08	8.46E-09	8.05E-09	1.28E-07	1.36E-07	4.99E-08	6.80E-08	2.54E-08	1.36E-07	4.99E-08
4204	493363.1	3855877	3.75E-04	3.66E-04	3.62E-04	1.30E-07	3.92E-07	2.27E-07	2.22E-07	2.01E-07	9.17E-08	9.05E-08	0.00E+00	0.00E+00	4.18E-08	7.52E-09	4.77E-08	7.36E-09	7.01E-09	1.11E-07	1.19E-07	4.35E-08	5.91E-08	2.21E-08	1.19E-07	4.35E-08
4205	493863.1	3855877	3.18E-04	3.10E-04	3.06E-04	1.10E-07	3.32E-07	1.92E-07	1.88E-07	1.70E-07	7.76E-08	7.66E-08	0.00E+00	0.00E+00	3.54E-08	6.37E-09	4.04E-08	6.23E-09	5.93E-09	9.43E-08	1.00E-07	3.68E-08	5.01E-08	1.87E-08	1.00E-07	3.68E-08
4206	494363.1	3855877	2.70E-04	2.64E-04	2.60E-04	9.35E-08	2.82E-07	1.63E-07	1.59E-07	1.45E-07	6.60E-08	6.51E-08	0.00E+00	0.00E+00	3.01E-08	5.41E-09	3.43E-08	5.30E-09	5.04E-09	8.02E-08	8.52E-08	3.13E-08	4.25E-08	1.59E-08	8.52E-08	3.13E-08
4207	494863.1	3855877	2.39E-04	2.34E-04	2.30E-04	8.29E-08	2.50E-07	1.45E-07	1.41E-07	1.28E-07	5.85E-08	5.77E-08	0.00E+00	0.00E+00	2.66E-08	4.80E-09	3.04E-08	4.69E-09	4.47E-09	7.10E-08	7.56E-08	2.77E-08	3.77E-08	1.41E-08	7.56E-08	2.77E-08
4208	495363.1	3855877	2.10E-04	2.04E-04	2.02E-04	7.25E-08	2.19E-07	1.27E-07	1.24E-07	1.12E-07	5.12E-08	5.05E-08	0.00E+00	0.00E+00	2.33E-08	4.20E-09	2.66E-08	4.11E-09	3.91E-09	6.22E-08	6.61E-08	2.43E-08	3.30E-08	1.23E-08	6.61E-08	2.43E-08
4209	495863.1	3855877	2.06E-04	2.01E-04	1.98E-04	7.12E-08	2.15E-07	1.25E-07	1.21E-07	1.10E-07	5.03E-08	4.96E-08	0.00E+00	0.00E+00	2.29E-08	4.12E-09	2.62E-08	4.04E-09	3.84E-09	6.11E-08	6.49E-08	2.38E-08	3.24E-08	1.21E-08	6.49E-08	2.38E-08
4210	496363.1	3855877	2.03E-04	1.98E-04	1.96E-04	7.04E-08	2.12E-07	1.23E-07	1.20E-07	1.09E-07	4.96E-08	4.90E-08	0.00E+00	0.00E+00	2.26E-08	4.07E-09	2.59E-08	3.99E-09	3.79E-09	6.03E-08	6.42E-08	2.35E-08	3.20E-08	1.20E-08	6.42E-08	2.35E-08
4211	496863.1	3855877	2.05E-04	2.00E-04	1.97E-04	7.09E-08	2.14E-07	1.24E-07	1.21E-07	1.10E-07	5.01E-08	4.94E-08	0.00E+00	0.00E+00	2.28E-08	4.11E-09	2.61E-08	4.02E-09	3.82E-09	6.08E-08	6.47E-08	2.37E-08	3.23E-08	1.21E-08	6.47E-08	2.37E-08
4212	497363.1	3855877	2.07E-04	2.02E-04	2.00E-04	7.18E-08	2.17E-07	1.26E-07	1.22E-07	1.11E-07	5.07E-08	5.00E-08	0.00E+00	0.00E+00	2.31E-08	4.16E-09	2.64E-08	4.07E-09	3.87E-09	6.16E-08	6.55E-08	2.40E-08	3.27E-08	1.22E-08	6.55E-08	2.40E-08
4213	497863.1	3855877	2.12E-04	2.07E-04	2.04E-04	7.34E-08	2.22E-07	1.28E-07	1.25E-07	1.13E-07	5.18E-08	5.11E-08	0.00E+00	0.00E+00	2.36E-08	4.25E-09	2.70E-08	4.16E-09	3.96E-09	6.29E-08	6.69E-08	2.45E-08	3.34E-08	1.25E-08	6.69E-08	2.45E-08
4214	498363.1	3855877	2.23E-04	2.18E-04	2.15E-04	7.73E-08	2.33E-07	1.35E-07	1.32E-07	1.19E-07	5.45E-08	5.38E-08	0.00E+00	0.00E+00	2.48E-08	4.47E-09	2.84E-08	4.38E-09	4.16E-09	6.62E-08	7.04E-08	2.58E-08	3.52E-08	1.31E-08	7.04E-08	2.58E-08
4215	471363.1	3856377	1.10E-04	1.08E-04	1.06E-04	3.82E-08	1.15E-07	6.68E-08	6.52E-08	5.91E-08	2.70E-08	2.66E-08	0.00E+00	0.00E+00	1.23E-08	2.21E-09	1.40E-08	2.16E-09	2.06E-09	3.28E-08	3.48E-08	1.28E-08	1.74E-08	6.50E-09	3.48E-08	1.28E-08
4216	471863.1	3856377	1.13E-04	1.10E-04	1.09E-04	3.91E-08	1.18E-07	6.83E-08	6.66E-08	6.04E-08	2.76E-08	2.72E-08	0.00E+00	0.00E+00	1.26E-08	2.26E-09	1.44E-08	2.21E-09	2.11E-09	3.35E-08	3.56E-08	1.31E-08	1.78E-08	6.64E-09	3.56E-08	1.31E-08
4217	472363.1	3856377	1.18E-04	1.15E-04	1.13E-04	4.08E-08	1.23E-07	7.13E-08	6.96E-08	6.31E-08	2.88E-08	2.84E-08	0.00E+00	0.00E+00	1.31E-08	2.36E-09	1.50E-08	2.31E-09	2.20E-09	3.50E-08	3.72E-08	1.36E-08	1.86E-08	6.94E-09	3.72E-08	1.36E-08
4218	472863.1	3856377	1.22E-04	1.19E-04	1.18E-04	4.24E-08	1.28E-07	7.41E-08	7.23E-08	6.55E-08	2.99E-08	2.95E-08	0.00E+00	0.00E+00	1.36E-08	2.45E-09	1.56E-08	2.40E-09	2.28E-09	3.63E-08	3.86E-08	1.42E-08	1.93E-08	7.20E-09	3.86E-08	1.42E-08
4219	473363.1	3856377	1.27E-04	1.23E-04	1.22E-04	4.38E-08	1.32E-07	7.66E-08	7.47E-08	6.77E-08	3.09E-08	3.05E-08	0.00E+00	0.00E+00	1.41E-08	2.54E-09	1.61E-08	2.48E-09	2.36E-09	3.76E-08	3.99E-08	1.46E-08	1.99E-08	7.45E-09	3.99E-08	1.46E-08
4220	473863.1	3856377	1.33E-04	1.30E-04	1.28E-04	4.61E-08	1.39E-07	8.06E-08	7.86E-08	7.13E-08	3.25E-08	3.21E-08	0.00E+00	0.00E+00	1.48E-08	2.67E-09	1.69E-08	2.61E-09	2.48E-09	3.95E-08	4.20E-08	1.54E-08	2.10E-08	7.84E-09	4.20E-08	1.54E-08
4221	474363.1	3856377	1.33E-04	1.30E-04	1.28E-04	4.60E-08	1.39E-07	8.03E-08	7.84E-08	7.11E-08	3.24E-08	3.20E-08	0.00E+00	0.00E+00	1.48E-08	2.66E-09	1.69E-08	2.60E-09	2.48E-09	3.94E-08	4.19E-08	1.54E-08	2.09E-08	7.82E-09	4.19E-08	1.54E-08
4222	474863.1	3856377	1.29E-04	1.26E-04	1.24E-04	4.47E-08	1.35E-07	7.81E-08	7.62E-08	6.91E-08	3.15E-08	3.11E-08	0.00E+00	0.00E+00	1.44E-08	2.59E-09	1.64E-08	2.53E-09	2.41E-09	3.83E-08	4.07E-08	1.49E-08	2.03E-08	7.60E-09	4.07E-08	1.49E-08
4223	475363.1	3856377	1.19E-04	1.17E-04	1.15E-04	4.14E-08	1.25E-07	7.23E-08	7.05E-08	6.40E-08	2.92E-08	2.88E-08	0.00E+00	0.00E+00	1.33E-08	2.39E-09	1.52E-08	2.34E-09	2.23E-09	3.55E-08	3.77E-08	1.38E-08	1.88E-08	7.03E-09	3.77E-08	1.38E-08
4224	475863.1	3856377	1.07E-04	1.05E-04	1.03E-04	3.72E-08	1.12E-07	6.50E-08	6.34E-08	5.75E-08	2.62E-08	2.59E-08	0.00E+00	0.00E+00	1.20E-08	2.15E-09	1.37E-08	2.11E-09	2.01E-09	3.19E-08	3.39E-08	1.24E-08	1.69E-08	6.33E-09	3.39E-08	1.24E-08
4225	476363.1	3856377	1.07E-04	1.05E-04	1.03E-04	3.72E-08	1.12E-07	6.50E-08	6.34E-08	5.75E-08	2.62E-08	2.59E-08	0.00E+00	0.00E+00	1.20E-08	2.15E-09	1.37E-08	2.11E-09	2.01E-09	3.19E-08	3.39E-08	1.24E-08	1.69E-08	6.33E-09	3.39E-08	1.24E-08
4226	476863.1	3856377	1.10E-04	1.08E-04	1.06E-04	3.82E-08	1.15E-07	6.68E-08	6.52E-08	5.91E-08	2.70E-08	2.66E-08	0.00E+00	0.00E+00	1.23E-08	2.21E-09	1.40E-08	2.16E-09	2.06E-09	3.28E-08	3.48E-08	1.28E-08	1.74E-08	6.50E-09	3.48E-08	1.28E-08
4227	477363.1	3856377	1.16E-04	1.13E-04	1.11E-04	4.01E-08	1.21E-07	7.00E-08	6.83E-08	6.20E-08	2.83E-08	2.79E-08	0.00E+00	0.00E+00	1.29E-08	2.32E-09	1.47E-08	2.27E-09	2.16E-09	3.44E-08	3.65E-08	1.34E-08	1.82E-08	6.81E-09	3.65E-08	1.34E-08
4228	477863.1	3856377	1.12E-04	1.10E-04	1.08E-04	3.89E-08	1.18E-07	6.80E-08	6.64E-08	6.02E-08	2.75E-08	2.71E-08	0.00E+00	0.00E+00	1.25E-08	2.25E-09	1.43E-08	2.20E-09	2.10E-09	3.34E-08	3.55E-08	1.30E-08	1.77E-08	6.62E-09	3.55E-08	1.30E-08

4229	478363.1	3856377	1.13E-04	1.11E-04	1.09E-04	3.92E-08	1.18E-07	6.85E-08	6.69E-08	6.06E-08	2.77E-08	2.73E-08	0.00E+00	0.00E+00	1.26E-08	2.27E-09	1.44E-08	2.22E-09	2.11E-09	3.36E-08	3.57E-08	1.31E-08	1.78E-08	6.67E-09	3.57E-08	1.31E-08
4230	478863.1	3856377	1.39E-04	1.35E-04	1.33E-04	4.80E-08	1.45E-07	8.38E-08	8.18E-08	7.42E-08	3.38E-08	3.34E-08	0.00E+00	0.00E+00	1.54E-08	2.78E-09	1.76E-08	2.72E-09	2.59E-09	4.11E-08	4.37E-08	1.60E-08	2.18E-08	8.16E-09	4.37E-08	1.60E-08
4231	479363.1	3856377	1.54E-04	1.50E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.06E-08	8.22E-08	3.75E-08	3.70E-08	0.00E+00	0.00E+00	1.71E-08	3.08E-09	1.95E-08	3.01E-09	2.86E-09	4.56E-08	4.84E-08	1.78E-08	2.42E-08	9.04E-09	4.84E-08	1.78E-08
4232	479863.1	3856377	1.83E-04	1.79E-04	1.77E-04	6.35E-08	1.92E-07	1.11E-07	1.08E-07	9.81E-08	4.48E-08	4.42E-08	0.00E+00	0.00E+00	2.04E-08	3.68E-09	2.33E-08	3.60E-09	3.42E-09	5.44E-08	5.79E-08	2.12E-08	2.89E-08	1.08E-08	5.79E-08	2.12E-08
4233	480363.1	3856377	2.15E-04	2.10E-04	2.07E-04	7.45E-08	2.25E-07	1.30E-07	1.27E-07	1.15E-07	5.26E-08	5.19E-08	0.00E+00	0.00E+00	2.40E-08	4.32E-09	2.74E-08	4.22E-09	4.02E-09	6.39E-08	6.80E-08	2.49E-08	3.39E-08	1.27E-08	6.80E-08	2.49E-08
4234	480863.1	3856377	2.46E-04	2.40E-04	2.37E-04	8.53E-08	2.58E-07	1.49E-07	1.46E-07	1.32E-07	6.02E-08	5.94E-08	0.00E+00	0.00E+00	2.74E-08	4.94E-09	3.13E-08	4.83E-09	4.60E-09	7.31E-08	7.78E-08	2.85E-08	3.88E-08	1.45E-08	7.78E-08	2.85E-08
4235	481363.1	3856377	2.83E-04	2.76E-04	2.72E-04	9.79E-08	2.96E-07	1.71E-07	1.67E-07	1.51E-07	6.91E-08	6.82E-08	0.00E+00	0.00E+00	3.15E-08	5.67E-09	3.60E-08	5.55E-09	5.28E-09	8.40E-08	8.93E-08	3.28E-08	4.46E-08	1.67E-08	8.93E-08	3.28E-08
4236	481863.1	3856377	3.27E-04	3.19E-04	3.15E-04	1.13E-07	3.42E-07	1.98E-07	1.93E-07	1.75E-07	7.99E-08	7.89E-08	0.00E+00	0.00E+00	3.64E-08	6.56E-09	4.16E-08	6.42E-09	6.11E-09	9.72E-08	1.03E-07	3.79E-08	5.16E-08	1.93E-08	1.03E-07	3.79E-08
4237	482363.1	3856377	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	0.00E+00	0.00E+00	4.05E-08	7.30E-09	4.63E-08	7.14E-09	6.80E-09	1.08E-07	1.15E-07	4.22E-08	5.74E-08	2.14E-08	1.15E-07	4.22E-08
4238	482863.1	3856377	4.14E-04	4.04E-04	3.98E-04	1.43E-07	4.32E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.97E-08	0.00E+00	0.00E+00	4.60E-08	8.29E-09	5.26E-08	8.11E-09	7.72E-09	1.23E-07	1.31E-07	4.79E-08	6.52E-08	2.43E-08	1.31E-07	4.79E-08
4239	483363.1	3856377	4.85E-04	4.74E-04	4.67E-04	1.68E-07	5.07E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	0.00E+00	0.00E+00	5.40E-08	9.73E-09	6.17E-08	9.52E-09	9.06E-09	1.44E-07	1.53E-07	5.62E-08	7.65E-08	2.86E-08	1.53E-07	5.62E-08
4240	483863.1	3856377	6.26E-04	6.11E-04	6.03E-04	2.17E-07	6.55E-07	3.79E-07	3.70E-07	3.35E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.97E-08	1.26E-08	7.97E-08	1.23E-08	1.17E-08	1.86E-07	1.98E-07	7.25E-08	9.87E-08	3.69E-08	1.98E-07	7.25E-08
4241	484363.1	3856377	1.02E-03	9.96E-04	9.82E-04	3.53E-07	1.07E-06	6.17E-07	6.02E-07	5.46E-07	2.49E-07	2.46E-07	0.00E+00	0.00E+00	1.14E-07	2.04E-08	1.30E-07	2.00E-08	1.90E-08	3.03E-07	3.22E-07	1.18E-07	1.61E-07	6.01E-08	3.22E-07	1.18E-07
4242	484863.1	3856377	8.22E-03	8.02E-03	7.91E-03	2.84E-06	8.59E-06	4.97E-06	4.85E-06	4.40E-06	2.01E-06	1.98E-06	0.00E+00	0.00E+00	9.14E-07	1.65E-07	1.04E-06	1.61E-07	1.53E-07	2.44E-06	2.59E-06	9.51E-07	1.29E-06	4.84E-07	2.59E-06	9.51E-07
4243	485363.1	3856377	2.68E-03	2.62E-03	2.58E-03	9.29E-07	2.80E-06	1.62E-06	1.58E-06	1.44E-06	6.55E-07	6.47E-07	0.00E+00	0.00E+00	2.99E-07	5.38E-08	3.41E-07	5.26E-08	5.01E-08	7.96E-07	8.47E-07	3.11E-07	4.23E-07	1.58E-07	8.47E-07	3.11E-07
4244	485863.1	3856377	2.26E-03	2.20E-03	2.17E-03	7.81E-07	2.36E-06	1.37E-06	1.33E-06	1.21E-06	5.51E-07	5.44E-07	0.00E+00	0.00E+00	2.51E-07	4.52E-08	2.87E-07	4.43E-08	4.21E-08	6.70E-07	7.12E-07	2.61E-07	3.55E-07	1.33E-07	7.12E-07	2.61E-07
4245	486363.1	3856377	5.22E-03	5.10E-03	5.03E-03	1.81E-06	5.46E-06	3.16E-06	3.08E-06	2.80E-06	1.28E-06	1.26E-06	0.00E+00	0.00E+00	5.81E-07	1.05E-07	6.64E-07	1.02E-07	9.74E-08	1.55E-06	1.65E-06	6.05E-07	8.23E-07	3.07E-07	1.65E-06	6.05E-07
4246	486863.1	3856377	1.97E-03	1.92E-03	1.90E-03	6.82E-07	2.06E-06	1.19E-06	1.16E-06	1.06E-06	4.81E-07	4.75E-07	0.00E+00	0.00E+00	2.19E-07	3.95E-08	2.51E-07	3.87E-08	3.68E-08	5.85E-07	6.22E-07	2.28E-07	3.11E-07	1.16E-07	6.22E-07	2.28E-07
4247	487363.1	3856377	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.24E-07	8.04E-07	7.29E-07	3.32E-07	3.28E-07	0.00E+00	0.00E+00	1.52E-07	2.73E-08	1.73E-07	2.67E-08	2.54E-08	4.04E-07	4.30E-07	1.58E-07	2.14E-07	8.01E-08	4.30E-07	1.58E-07
4248	487863.1	3856377	1.10E-03	1.07E-03	1.06E-03	3.80E-07	1.15E-06	6.65E-07	6.49E-07	5.88E-07	2.68E-07	2.65E-07	0.00E+00	0.00E+00	1.22E-07	2.20E-08	1.40E-07	2.15E-08	2.05E-08	3.26E-07	3.47E-07	1.27E-07	1.73E-07	6.47E-08	3.47E-07	1.27E-07
4249	488363.1	3856377	9.42E-04	9.19E-04	9.07E-04	3.26E-07	9.85E-07	5.70E-07	5.56E-07	5.04E-07	2.30E-07	2.27E-07	0.00E+00	0.00E+00	1.05E-07	1.89E-08	1.20E-07	1.85E-08	1.76E-08	2.80E-07	2.97E-07	1.09E-07	1.48E-07	5.55E-08	2.97E-07	1.09E-07
4250	488863.1	3856377	8.31E-04	8.11E-04	8.01E-04	2.88E-07	8.69E-07	5.03E-07	4.91E-07	4.45E-07	2.03E-07	2.00E-07	0.00E+00	0.00E+00	9.25E-08	1.67E-08	1.06E-07	1.63E-08	1.55E-08	2.47E-07	2.62E-07	9.62E-08	1.31E-07	4.89E-08	2.62E-07	9.62E-08
4251	489363.1	3856377	7.48E-04	7.30E-04	7.21E-04	2.59E-07	7.82E-07	4.53E-07	4.42E-07	4.01E-07	1.83E-07	1.80E-07	0.00E+00	0.00E+00	8.33E-08	1.50E-08	9.52E-08	1.47E-08	1.40E-08	2.22E-07	2.36E-07	8.66E-08	1.18E-07	4.41E-08	2.36E-07	8.66E-08
4252	489863.1	3856377	6.82E-04	6.66E-04	6.57E-04	2.36E-07	7.13E-07	4.13E-07	4.03E-07	3.65E-07	1.67E-07	1.64E-07	0.00E+00	0.00E+00	7.59E-08	1.37E-08	8.67E-08	1.34E-08	1.27E-08	2.02E-07	2.15E-07	7.90E-08	1.07E-07	4.02E-08	2.15E-07	7.90E-08
4253	490363.1	3856377	6.26E-04	6.11E-04	6.02E-04	2.17E-07	6.54E-07	3.79E-07	3.69E-07	3.35E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.96E-08	1.25E-08	7.96E-08	1.23E-08	1.17E-08	1.86E-07	1.97E-07	7.24E-08	9.86E-08	3.68E-08	1.97E-07	7.24E-08
4254	490863.1	3856377	5.79E-04	5.65E-04	5.58E-04	2.00E-07	6.05E-07	3.50E-07	3.42E-07	3.10E-07	1.41E-07	1.40E-07	0.00E+00	0.00E+00	6.45E-08	1.16E-08	7.37E-08	1.14E-08	1.08E-08	1.72E-07	1.83E-07	6.70E-08	9.12E-08	3.41E-08	1.83E-07	6.70E-08
4255	491363.1	3856377	5.43E-04	5.30E-04	5.23E-04	1.88E-07	5.68E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.05E-08	1.09E-08	6.91E-08	1.07E-08	1.01E-08	1.61E-07	1.71E-07	6.29E-08	8.56E-08	3.20E-08	1.71E-07	6.29E-08
4256	491863.1	3856377	5.10E-04	4.98E-04	4.91E-04	1.77E-07	5.33E-07	3.09E-07	3.01E-07	2.73E-07	1.25E-07	1.23E-07	0.00E+00	0.00E+00	5.68E-08	1.02E-08	6.48E-08	1.00E-08	9.51E-09	1.51E-07	1.61E-07	5.90E-08	8.03E-08	3.00E-08	1.61E-07	5.90E-08
4257	492363.1	3856377	4.74E-04	4.63E-04	4.57E-04	1.64E-07	4.96E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	0.00E+00	0.00E+00	5.28E-08	9.50E-09	6.03E-08	9.30E-09	8.85E-09	1.41E-07	1.50E-07	5.49E-08	7.47E-08	2.79E-08	1.50E-07	5.49E-08
4258	492863.1	3856377	4.22E-04	4.12E-04	4.06E-04	1.46E-07	4.41E-07	2.55E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.70E-08	8.46E-09	5.37E-08	8.27E-09	7.87E-09	1.25E-07	1.33E-07	4.88E-08	6.65E-08	2.48E-08	1.33E-07	4.88E-08
4259	493363.1	3856377	3.38E-04	3.30E-04	3.26E-04	1.17E-07	3.53E-07	2.05E-07	2.00E-07	1.81E-07	8.26E-08	8.15E-08	0.00E+00	0.00E+00	3.76E-08	6.78E-09	4.30E-08	6.63E-09	6.31E-09	1.00E-07	1.07E-07	3.91E-08	5.33E-08	1.99E-08	1.07E-07	3.91E-08
4260	493863.1	3856377	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.81E-07	1.77E-07	1.61E-07	7.33E-08	7.23E-08	0.00E+00	0.00E+00	3.34E-08	6.01E-09	3.81E-08	5.88E-09	5.60E-09	8.90E-08	9.47E-08	3.47E-08	4.73E-08	1.77E-08	9.47E-08	3.47E-08
4261	494363.1	3856377	2.60E-04	2.53E-04	2.50E-04	8.99E-08	2.71E-07	1.57E-07	1.53E-07	1.39E-07	6.34E-08	6.26E-08	0.00E+00	0.00E+00	2.89E-08	5.20E-09	3.30E-08	5.09E-09	4.85E-09	7.71E-08	8.20E-08	3.01E-08	4.09E-08	1.53E-08	8.20E-08	3.01E-08
4262	494863.1	3856377	2.31E-04	2.25E-04	2.22E-04	7.99E-08	2.41E-07	1.40E-07	1.36E-07	1.23E-07	5.63E-08	5.56E-08	0.00E+00	0.00E+00	2.57E-08	4.62E-09	2.93E-08	4.52E-09	4.30E-09	6.85E-08	7.28E-08	2.67E-08	3.63E-08	1.36E-08	7.28E-08	2.67E-08
4263	495363.1	3856377	2.13E-04	2.08E-04	2.05E-04	7.37E-08	2.22E-07	1.29E-07	1.26E-07	1.14E-07	5.20E-08	5.13E-08	0.00E+00	0.00E+00	2.37E-08	4.27E-09	2.71E-08	4.17E-09	3.97E-09	6.32E-08	6.72E-08	2.46E-08	3.35E-08	1.25E-08	6.72E-08	2.46E-08
4264	495863.1	3856377	2.09E-04	2.04E-04	2.01E-04	7.22E-08	2.18E-07	1.26E-07	1.23E-07	1.12E-07	5.10E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.18E-09	2.65E-08	4.09E-09	3.89E-09	6.19E-08	6.59E-08	2.42E-08	3.29E-08	1.23E-08	6.59E-08	2.42E-08
4265	496363.1	3856377	2.09E-04	2.04E-04	2.01E-04	7.22E-08	2.18E-07	1.26E-07	1.23E-07	1.12E-07	5.10E-08	5.03E-08	0.00E+00	0.00E+00	2.32E-08	4.18E-09	2.65E-08	4.09E-09	3.89E-09	6.19E-08	6.59E-08	2.42E-08	3.29E-08	1.23E-08	6.59E-08	2.42E-08
4266	496863.1	3856377	2.13E-04	2.08E-04	2.05E-04	7.38E-08	2.23E-07	1.29E-07	1.26E-07	1.14E-07	5.21E-08	5.14E-08	0.00E+00	0.00E+00	2.37E-08	4.27E-09	2.71E-08	4.18E-09	3.98E-09	6.33E-08	6.73E-08	2.47E-08	3.36E-08	1.26E-08	6.73E-08	2.47E-08
4267	497363.1	3856377	2.18E-04	2.13E-04	2.10E-04	7.55E-08	2.28E-07	1.32E-07	1.29E-07	1.17E-07	5.33E-08	5.26E-08	0.00E+00	0.00E+00	2.43E-08	4.37E-09	2.78E-08	4.28E-09	4.07E-09	6.48E-08	6.89E-08	2.53E-08	3.44E-08	1.28E-08	6.89E-08	2.53E-08
4268	497863.1	3856377	2.26E-04	2.20E-04	2.17E-04	7.81E-08	2.36E-07	1.37E-07	1.33E-07	1.21E-07	5.51E-08	5.44E-08	0.00E+00	0.00E+00	2.51E-08	4.52E-09	2.87E-08	4.43E-09	4.21E-09	6.70E-08	7.12E-08	2.61E-08	3.56E-08	1.33E-08	7.12E-08	2.61E-08
4269	498363.1	3856377	2.36E-04	2.30E-04	2.27E-04	8.16E-08	2.46E-07	1.43E-07	1.39E-07	1.26E-07	5.76E-08	5.68E-08	0.00E+00	0.00E+00	2.62E-08	4.72E-09	3.00E-08	4.62E-09	4.40E-09	6.99E-08	7.44E-08	2.73E-08	3.71E-08	1.39E-08	7.44E-08	2.73E-08
4270	471363.1	3856877	1.07E-04	1.04E-04	1.03E-04	3.71E-08	1.12E-07	6.48E-08	6.32E-08	5.73E-08	2.61E-08	2.58E-08	0.00E+00	0.00E+00	1.19E-08	2.15E-09	1.36E-08	2.10E-09	2.00E-09	3.18E-08	3.38E-08	1.24E-08	1.69E-08	6.30E-09	3.38E-08	1.24E-08
4271	471863.1	3856877	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	0.00E+00	0.00E+00	1.21E-08	2.19E-09	1.39E-08	2.14E-09	2.04E-09	3.24E-08	3.44E-08	1.26E-08	1.72E-08	6.42E-09	3.44E-08	1.26E-08
4272	472363.1	3856877	1.12E-04	1.10E-04	1.08E-04	3.89E-08	1.18E-07	6.80E-08	6.64E-08	6.02E-08	2.75E-08	2.71E-08	0.00E+00	0.00E+00	1.25E-08	2.25E-09	1.43E-08	2.20E-09	2.10E-09	3.34E-08	3.55E-08	1.30E-08	1.77E-08	6.62E-09	3.55E-08	1.30E-08
4273	472863.1	3856877	1.16E-04	1.13E-04	1.11E-04	4.01E-08	1.21E-07	7.00E-08	6.83E-08	6.20E-08	2.83E-08	2.79E-08	0.00E+00	0.00E+00	1.29E-08	2.32E-09	1.47E-08	2.27E-09	2.16E-09	3.44E-08	3.65E-08	1.34E-08	1.82E-08	6.81E-09	3.65E-08	1.34E-08
4274	473363.1	3856877	1.22E-04	1.19E-04	1.18E-04	4.24E-08	1.28E-07	7.41E-08	7.23E-08	6.55E-08	2.99E-08	2.95E-08	0.00E+00	0.00E+00	1.36E-08	2.45E-09	1.56E-08	2.40E-09	2.28E-09	3.63E-08	3.86E-08	1.42E-08	1.93E-08	7.20E-09	3.86E-08	1.42E-08
4275	473863.1	3856877	1.27E-04	1.23E-04	1.22E-04	4.38E-08	1.32E-07	7.66E-08	7.47E-08	6.77E-08	3.09E-08	3.05E-08	0.00E+00	0.00E+00	1.41E-08	2.54E-09	1.61E-08	2.48E-09	2.36E-09	3.76E-08	3.99E-08	1.46E-08	1.99E-08	7.45E-09	3.99E-08	1.46E-08
4276	474363.1	3856877	1.27E-04	1.24E-04	1.22E-04	4.39E-08	1.33E-07	7.68E-08	7.50E-08	6.79E-08	3.10E-08	3.06E-08	0.00E+00	0.00E+00	1.41E-08	2.54E-09	1.61E-08	2.49E-09	2.37E-09	3.77E-08	4.01E-08	1.47E-08	2.00E-08	7.47E-09	4.01E-08	1.47E-08
4277	474863.1	3856877	1.24E-04	1.21E-04	1.19E-04	4.29E-08	1.30E-07	7.51E-08	7.32E-08	6.64E-08	3.03E-08	2.99E-08	0.00E+00	0.00E+00	1.38E-08	2.49E-09	1.58E-08	2.43E-09	2.31E-09	3.68E-08	3.92E-08	1.44E-08	1.95E-08	7.30E-09	3.92E-08	1.44E-08
4278	475363.1	3856877	1.18E-04	1.15E-04	1.14E-04	4.09E-08	1.24E-07	7.15E-08	6.98E-08	6.33E-08	2.89E-08	2.85E-08	0.00E+00	0.00E+00	1.32E-08	2.37E-09	1.50E-08	2.32E-09	2.21E-09	3.51E-08	3.73E-08	1.37E-08	1.86E-08	6.96E-09	3.73E-08	1.37E-08
4279	475863.1	3856877	1.19E-04	1.16E-04	1.14E-04	4.11E-08	1.24E-07	7.18E-08	7.01E-08	6.35E-08	2.90E-08	2.86E-08	0.00E+00	0.00E+00	1.32E-08	2.38E-09	1.51E-08	2.33E-09	2.21E-09	3.52E-08	3.74E-08	1.37E-08	1.87E-08	6.99E-09	3.74E-08	1.37E-08
4280	476363.1	3856877	1.14E-04	1.11E-04	1.10E-04	3.95E-08	1.19E-07	6.90E-08	6.74E-08	6.11E-08	2.79E-08	2.75E-08	0.00E+00	0.00E+00	1.27E-08	2.29E-09	1.45E-08	2.24E-09	2.13E-09	3.39E-08	3.60E-08	1.32E-08	1.80E-08	6.72E-09	3.60E-08	1.32E-08
4281	476863.1	3856877	1.15E-04	1.12E-04	1.10E-04	3.96E-08	1.20E-07	6.93E-08	6.76E-08	6.13E-08	2.80E-08	2.76E-08	0.00E+00	0.00E+00	1.27E-08	2.29E-09	1.46E-08	2.25E-09	2.14E-09	3.40E-08	3.61E-08	1.33E-08	1.80E-08	6.74E-09	3.61E-08	1.33E-08
4282	477363.1	3856877	1.13E-04	1.11E-04	1.09E-04	3.92E-08	1.18E-07	6.85E-08	6.69E-08	6.06E-08	2.77E-08	2.73E-08	0.00E+00	0.00E+00	1.26E-08	2.27E-09	1.44E-08	2.22E-09	2.11E-09	3.36E-08	3.57E-08	1.31E-08	1.78E-08	6.67E-09	3.57E-08	1.31E-08
4283	477863.1	3856877	1.06E-04	1.04E-04	1.02E-04	3.68E-08	1.11E-07	6.43E-08	6.27E-08	5.68E-08	2.59E-08	2.56E-08	0.00E+00	0.00E+00	1.18E-08	2.13E-09	1.35E-08	2.08E-09	1.98E-09	3.15E-08	3.35E-08	1.23E-08	1.67E-08	6.25E-09	3.35E-08	1.23E-08
4284	478363.1	3856877	1.06E-04	1.04E-04	1.02E-04	3.68E-08	1.11E-07	6.43E-08	6.27E-08	5.68E-08	2.59E-08	2.56E-08	0.00E+00	0.00E+00	1.18E-08	2.13E-09	1.35E-08	2.08E-09	1.98E-09	3.15E-08	3.35E-08	1.23E-08	1.67E-08	6.25E-09	3.35E-08	1.23E-08
4285	478863.1	3856877	1.16E-04	1.13E-04	1.12E-04	4.02E-08	1.21E-07	7.03E-08	6.86E-08	6.22E-08	2.84E-08	2.80E-08	0.00E+00	0.00E+00	1.29E-08	2.33E-09	1.48E-08	2.28E-09	2.17E-09	3.45E-08	3.67E-08	1.34E-08	1.83E-08	6.84E-09	3.67E-08	1.34E-08
4286	479363.1	3856877	1.29E-04	1.26E-04	1.24E-04	4.45E-08	1.34E-07	7.78E-08	7.59E-08	6.88E-08	3.14E-08	3.10E-08	0.00E+00	0.00E+00	1.43E-08	2.58E-09	1.64E-08	2.52E-09	2.40E-09	3.82E-08	4.06E-08	1.49E-08	2.03E-08	7.57E-09	4.06E-08	1.49E-08
4287	479863.1	3856877	1.69E-04	1.65E-04	1.63E-04	5.86E-08	1.77E-07	1.02E-07	9.99E-08	9.06E-08	4.13E-08	4.08E-08	0.00E+00	0.00E+00	1.88E-08	3.39E-09	2.15E-08	3.32E-09	3.16E-09	5.02E-08	5.34E-08	1.96E-08	2.67E-08	9.96E-09	5.34E-08	1.96E-08
4288	480363.1	3856877	2.02E-04	1.97E-04	1.95E-04	6.99E-08	2.11E-07	1.22E-07	1.19E-07	1.08E-07	4.93E-08	4.87E-08	0.00E+00	0.00E+00	2.25E-08	4.05E-09	2.57E-08	3.96E-09	3.77E-09	6.00E-08	6.38E-08	2.34E-08	3.18E-08	1.19E-08	6.38E-08	2.34E-08
4289	480863.1	3856877	2.37E-04	2.31E-04	2.28E-04	8.20E-08	2.48E-07	1.43E-07	1.40E-07	1.27E-07	5.79E-08	5.71E-08	0.00E+00	0.00E+00	2.64E-08	4.75E-09	3.01E-08	4.65E-09	4.42E-09	7.03E-08	7.48E-08	2.74E-08	3.73E-08	1.39E-08	7.48E-08	2.74E-08
4290	481363.1	3856877	2.66E-04	2.59E-04	2.56E-04	9.19E-08	2.78E-07	1.61E-07	1.57E-07	1.42E-07	6.48E-08	6.40E-08	0.00E+00	0.00E+00	2.96E-08	5.32E-09	3.38E-08	5.21E-09	4.95E-09	7.88E-08	8.38E-08	3.07E-08	4.18E-08	1.56E-08	8.38E-08	3.07E-08
4291	481863.1	3856877	2.90E-04	2.83E-04	2.79E-04	1.00E-07	3.03E-07	1.75E-07	1.71E-07	1.55E-07	7.07E-08	6.98E-08	0.00E+00	0.00E+00	3.22E-08	5.80E-09	3.68E-08	5.68E-09	5.40E-09	8.59E-08	9.14E-08	3.35E-08	4.56E-08	1.70E-08	9.14E-08	3.35E-08
4292	482363.1	3856877	3.25E-04	3.17E-04	3.13E-04	1.12E-07	3.40E-07	1.97E-07	1.92E-07	1.74E-07	7.93E-08	7.83E-08	0.00E+00	0.00E+00	3.62E-08	6.51E-09	4.13E-08	6.37E-09	6.06E-09	9.64E-08	1.03E-07	3.76E-08	5.12E-08	1.91E-08	1.03E-07	3.76E-08
4293	482863.1	3856877	3.59E-04	3.50E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.12E-07	1.92E-07	8.76E-08	8.65E-08	0.00E+00	0.00E+00	3.99E-08	7.19E-09	4.56E-08	7.04E-09	6.70E-09	1.07E-07	1.13E-07	4.15E-08	5.65E-08	2.11E-08	1.13E-07	4.15E-08
4294	483363.1	3856877	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.45E-07	2.39E-07	2.16E-07	9.87E-08	9.74E-08	0.00E+00	0.00E+00	4.50E-08	8.10E-09	5.14E-08	7.92E-09	7.54E-09	1.20E-07	1.28E-07	4.68E-08	6.37E-08	2.38E-08	1.28E-07	4.68E-08
4295	483863.1	3856877	4.72E-04	4.61E-04	4.55E-04	1.63E-07	4.93E-07	2.86E-07	2.79E-07	2.53E-07	1.15E-07	1.14E-07	0.00E+00	0.00E+00	5.26E-08	9.46E-09	6.00E-08	9.26E-09	8.81E-09	1.40E-07	1.49E-07	5.47E-08	7.44E-08	2.78E-08	1.49E-07	5.47E-08
4296	484363.1	3856877	6.03E-04	5.89E-04	5.81E-04	2.09E-07	6.31E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.71E-08	1.21E-08	7.67E-08	1.18E-08	1.13E-08	1.79E-07	1.90E-07	6.98E-08	9.50E-08	3.55E-08	1.90E-07	6.98E-08
4297	484863.1	3856877	8.86E-04	8.64E-04	8.53E-04	3.07E-07	9.26E-07	5.36E-07	5.23E-07	4.74E-07	2.16E-07	2.13E-07	0.00E+00	0.00E+00	9.86E-08	1.78E-08	1.13E-07	1.74E-08	1.65E-08	2.63E-07	2.80E-07	1.03E-07	1.40E-07	5.21E-08	2.80E-07	1.03E-07
4298	485363.1	3856877	2.70E-03	2.64E-03	2.60E-03	9.36E-07	2.83E-06	1.64E-06	1.60E-06	1.45E-06	6.60E-07	6.52E-07	0.00E+00	0.00E+00	3.01E-07	5.42E-08	3.44E-07	5.30E-08	5.05E-08	8.03E-07	8.53E-07	3.13E-07	4.26E-07	1.59E-07	8.53E-07	3.13E-07
4299	485863.1	3856877	3.58E-03	3.49E-03	3.44E-03	1.24E-06	3.74E-06	2.16E-06	2.11E-06	1.91E-06	8.73E-07	8.62E-07	0.00E+00	0.00E+00	3.98E-07	7.17E-08	4.55E-07	7.01E-08	6.67E-08	1.06E-06	1.13E-06	4.14E-07	5.63E-07	2.10E-07	1.13E-06	4.14E-07
4300	486363.1	3856877	2.16E-03	2.11E-03	2.08E-03	7.47E-07	2.25E-06	1.31E-06	1.27E-06	1.15E-06	5.27E-07	5.20E-07	0.00E+00	0.00E+00	2.40E-07	4.32E-08	2.74E-07	4.23E-08	4.03E-08	6.40E-07	6.81E-07	2.50E-07	3.40E-07	1.27E-07	6.81E-07	2.50E-07
4301	486863.1	3856877	6.05E-03	5.91E-03	5.83E-03	2.10E-06	6.33E-06	3.66E-06	3.57E-06	3.24E-06	1.48E-06	1.46E-06	0.00E+00	0.00E+00	6.74E-07	1.21E-07	7.70E-07	1.19E-07	1.13E-07	1.80E-06	1.91E-06	7.01E-07	9.54E-07	3.56E-07	1.91E-06	7.01E-07
4302	487363.1	3856877	2.11E-03	2.06E-03	2.04E-03	7.32E-07	2.21E-06	1.28E-06	1.25E-06	1.13E-06	5.16E-07	5.09E-07	0.00E+00	0.00E+00	2.35E-07	4.24E-08	2.69E-07	4.15E-08	3.95E-08	6.27E-07	6.67E-07	2.45E-07	3.33E-07	1.24E-07	6.67E-07	2.45E-07
4303	487863.1	3856877	1.45E-03	1.41E-03	1.39E-03	5.02E-07	1.51E-06	8.77E-07	8.55E-07	7.75E-07	3.54E-07	3.49E-07	0.00E+00	0.00E+00	1.61E-07	2.90E-08	1.84E-07	2.84E-08	2.70E-08	4.30E-07	4.57E-07	1.68E-07	2.28E-07	8.53E-08	4.57E-07	1.68E-07
4304	488363.1	3856877	1.16E-03	1.13E-03	1.12E-03	4.01E-07	1.21E-06	7.02E-07	6.85E-07	6.21E-07	2.83E-07	2.79E-07	0.00E+00	0.00E+00	1.29E-07	2.32E-08	1.47E-07	2.27E-08	2.16E-08	3.44E-07	3.66E-07	1.34E-07	1.83E-07	6.83E-08	3.66E-07	1.34E-07
4305	488863.1	3856877	9.87E-04	9.63E-04	9.50E-04	3.42E-07	1.03E-06	5.97E-07	5.83E-07	5.28E-07	2.41E-07	2.38E-07	0.00E+00	0.00E+00	1.10E-07	1.98E-08	1.25E-07	1.93E-08	1.84E-08	2.93E-07	3.11E-07	1.14E-07	1.55E-07	5.81E-08	3.11E-07	1.14E-07

4306	489363.1	3856877	8.71E-04	8.50E-04	8.39E-04	3.02E-07	9.11E-07	5.27E-07	5.14E-07	4.66E-07	2.13E-07	2.10E-07	0.00E+00	0.00E+00	9.70E-08	1.75E-08	1.11E-07	1.71E-08	1.63E-08	2.59E-07	2.75E-07	1.01E-07	1.37E-07	5.13E-08	2.75E-07	1.01E-07
4307	489863.1	3856877	7.81E-04	7.62E-04	7.52E-04	2.70E-07	8.17E-07	4.73E-07	4.61E-07	4.18E-07	1.91E-07	1.88E-07	0.00E+00	0.00E+00	8.70E-08	1.57E-08	9.93E-08	1.53E-08	1.46E-08	2.32E-07	2.47E-07	9.04E-08	1.23E-07	4.60E-08	2.47E-07	9.04E-08
4308	490363.1	3856877	7.05E-04	6.88E-04	6.79E-04	2.44E-07	7.37E-07	4.26E-07	4.16E-07	3.77E-07	1.72E-07	1.70E-07	0.00E+00	0.00E+00	7.85E-08	1.41E-08	8.96E-08	1.38E-08	1.32E-08	2.09E-07	2.22E-07	8.16E-08	1.11E-07	4.15E-08	2.22E-07	8.16E-08
4309	490863.1	3856877	6.43E-04	6.27E-04	6.19E-04	2.22E-07	6.72E-07	3.89E-07	3.79E-07	3.44E-07	1.57E-07	1.55E-07	0.00E+00	0.00E+00	7.15E-08	1.29E-08	8.17E-08	1.26E-08	1.20E-08	1.91E-07	2.03E-07	7.44E-08	1.01E-07	3.78E-08	2.03E-07	7.44E-08
4310	491363.1	3856877	5.90E-04	5.76E-04	5.68E-04	2.04E-07	6.17E-07	3.57E-07	3.49E-07	3.16E-07	1.44E-07	1.42E-07	0.00E+00	0.00E+00	6.57E-08	1.18E-08	7.51E-08	1.16E-08	1.10E-08	1.75E-07	1.86E-07	6.83E-08	9.30E-08	3.48E-08	1.86E-07	6.83E-08
4311	491863.1	3856877	5.44E-04	5.31E-04	5.24E-04	1.88E-07	5.68E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.05E-08	1.09E-08	6.92E-08	1.07E-08	1.01E-08	1.61E-07	1.72E-07	6.30E-08	8.57E-08	3.20E-08	1.72E-07	6.30E-08
4312	492363.1	3856877	4.66E-04	4.55E-04	4.49E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	5.19E-08	9.34E-09	5.92E-08	9.14E-09	8.69E-09	1.38E-07	1.47E-07	5.39E-08	7.34E-08	2.74E-08	1.47E-07	5.39E-08
4313	492863.1	3856877	4.06E-04	3.96E-04	3.91E-04	1.40E-07	4.24E-07	2.46E-07	2.40E-07	2.17E-07	9.91E-08	9.78E-08	0.00E+00	0.00E+00	4.52E-08	8.13E-09	5.16E-08	7.96E-09	7.57E-09	1.20E-07	1.28E-07	4.70E-08	6.39E-08	2.39E-08	1.28E-07	4.70E-08
4314	493363.1	3856877	3.48E-04	3.39E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.49E-08	8.38E-08	0.00E+00	0.00E+00	3.87E-08	6.97E-09	4.42E-08	6.82E-09	6.49E-09	1.03E-07	1.10E-07	4.02E-08	5.48E-08	2.05E-08	1.10E-07	4.02E-08
4315	493863.1	3856877	2.93E-04	2.86E-04	2.82E-04	1.02E-07	3.07E-07	1.77E-07	1.73E-07	1.57E-07	7.16E-08	7.07E-08	0.00E+00	0.00E+00	3.27E-08	5.88E-09	3.73E-08	5.75E-09	5.47E-09	8.71E-08	9.26E-08	3.40E-08	4.62E-08	1.73E-08	9.26E-08	3.40E-08
4316	494363.1	3856877	2.56E-04	2.49E-04	2.46E-04	8.85E-08	2.67E-07	1.55E-07	1.51E-07	1.37E-07	6.24E-08	6.16E-08	0.00E+00	0.00E+00	2.84E-08	5.12E-09	3.25E-08	5.01E-09	4.77E-09	7.59E-08	8.07E-08	2.96E-08	4.03E-08	1.50E-08	8.07E-08	2.96E-08
4317	494863.1	3856877	2.38E-04	2.32E-04	2.29E-04	8.23E-08	2.48E-07	1.44E-07	1.40E-07	1.27E-07	5.81E-08	5.73E-08	0.00E+00	0.00E+00	2.65E-08	4.76E-09	3.02E-08	4.66E-09	4.44E-09	7.06E-08	7.50E-08	2.75E-08	3.74E-08	1.40E-08	7.50E-08	2.75E-08
4318	495363.1	3856877	2.27E-04	2.22E-04	2.19E-04	7.87E-08	2.38E-07	1.38E-07	1.34E-07	1.22E-07	5.55E-08	5.48E-08	0.00E+00	0.00E+00	2.53E-08	4.56E-09	2.89E-08	4.46E-09	4.24E-09	6.75E-08	7.18E-08	2.63E-08	3.58E-08	1.34E-08	7.18E-08	2.63E-08
4319	495863.1	3856877	2.24E-04	2.19E-04	2.16E-04	7.77E-08	2.35E-07	1.36E-07	1.33E-07	1.20E-07	5.48E-08	5.41E-08	0.00E+00	0.00E+00	2.50E-08	4.50E-09	2.85E-08	4.40E-09	4.19E-09	6.66E-08	7.08E-08	2.60E-08	3.54E-08	1.32E-08	7.08E-08	2.60E-08
4320	496363.1	3856877	2.23E-04	2.17E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.32E-07	1.19E-07	5.44E-08	5.37E-08	0.00E+00	0.00E+00	2.48E-08	4.46E-09	2.83E-08	4.37E-09	4.16E-09	6.61E-08	7.03E-08	2.58E-08	3.51E-08	1.31E-08	7.03E-08	2.58E-08
4321	496863.1	3856877	2.25E-04	2.20E-04	2.17E-04	7.80E-08	2.35E-07	1.36E-07	1.33E-07	1.21E-07	5.50E-08	5.43E-08	0.00E+00	0.00E+00	2.51E-08	4.51E-09	2.86E-08	4.42E-09	4.20E-09	6.69E-08	7.11E-08	2.61E-08	3.55E-08	1.33E-08	7.11E-08	2.61E-08
4322	497363.1	3856877	2.31E-04	2.25E-04	2.22E-04	7.99E-08	2.41E-07	1.40E-07	1.36E-07	1.23E-07	5.63E-08	5.56E-08	0.00E+00	0.00E+00	2.57E-08	4.62E-09	2.93E-08	4.52E-09	4.30E-09	6.85E-08	7.28E-08	2.67E-08	3.63E-08	1.36E-08	7.28E-08	2.67E-08
4323	497863.1	3856877	2.42E-04	2.36E-04	2.33E-04	8.39E-08	2.53E-07	1.47E-07	1.43E-07	1.30E-07	5.92E-08	5.84E-08	0.00E+00	0.00E+00	2.70E-08	4.86E-09	3.08E-08	4.75E-09	4.52E-09	7.19E-08	7.65E-08	2.80E-08	3.82E-08	1.43E-08	7.65E-08	2.80E-08
4324	498363.1	3856877	2.56E-04	2.50E-04	2.46E-04	8.86E-08	2.68E-07	1.55E-07	1.51E-07	1.37E-07	6.25E-08	6.17E-08	0.00E+00	0.00E+00	2.85E-08	5.13E-09	3.26E-08	5.02E-09	4.78E-09	7.60E-08	8.08E-08	2.96E-08	4.03E-08	1.51E-08	8.08E-08	2.96E-08
4325	471363.1	3857377	1.05E-04	1.02E-04	1.01E-04	3.63E-08	1.10E-07	6.35E-08	6.20E-08	5.62E-08	2.56E-08	2.53E-08	0.00E+00	0.00E+00	1.17E-08	2.10E-09	1.33E-08	2.06E-09	1.96E-09	3.12E-08	3.31E-08	1.22E-08	1.65E-08	6.18E-09	3.31E-08	1.22E-08
4326	471863.1	3857377	1.07E-04	1.04E-04	1.03E-04	3.69E-08	1.11E-07	6.45E-08	6.30E-08	5.71E-08	2.60E-08	2.57E-08	0.00E+00	0.00E+00	1.19E-08	2.14E-09	1.36E-08	2.09E-09	1.99E-09	3.16E-08	3.37E-08	1.23E-08	1.68E-08	6.28E-09	3.37E-08	1.23E-08
4327	472363.1	3857377	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	0.00E+00	0.00E+00	1.21E-08	2.19E-09	1.39E-08	2.14E-09	2.04E-09	3.24E-08	3.44E-08	1.26E-08	1.72E-08	6.42E-09	3.44E-08	1.26E-08
4328	472863.1	3857377	1.12E-04	1.10E-04	1.08E-04	3.89E-08	1.18E-07	6.80E-08	6.64E-08	6.02E-08	2.75E-08	2.71E-08	0.00E+00	0.00E+00	1.25E-08	2.25E-09	1.43E-08	2.20E-09	2.10E-09	3.34E-08	3.55E-08	1.30E-08	1.77E-08	6.62E-09	3.55E-08	1.30E-08
4329	473363.1	3857377	1.17E-04	1.14E-04	1.12E-04	4.04E-08	1.22E-07	7.05E-08	6.88E-08	6.24E-08	2.85E-08	2.81E-08	0.00E+00	0.00E+00	1.30E-08	2.34E-09	1.48E-08	2.29E-09	2.18E-09	3.46E-08	3.68E-08	1.35E-08	1.84E-08	6.86E-09	3.68E-08	1.35E-08
4330	473863.1	3857377	1.22E-04	1.19E-04	1.17E-04	4.22E-08	1.27E-07	7.38E-08	7.20E-08	6.53E-08	2.98E-08	2.94E-08	0.00E+00	0.00E+00	1.36E-08	2.44E-09	1.55E-08	2.39E-09	2.28E-09	3.62E-08	3.85E-08	1.41E-08	1.92E-08	7.18E-09	3.85E-08	1.41E-08
4331	474363.1	3857377	1.19E-04	1.16E-04	1.15E-04	4.12E-08	1.24E-07	7.20E-08	7.03E-08	6.37E-08	2.91E-08	2.87E-08	0.00E+00	0.00E+00	1.33E-08	2.39E-09	1.51E-08	2.34E-09	2.22E-09	3.53E-08	3.76E-08	1.38E-08	1.88E-08	7.01E-09	3.76E-08	1.38E-08
4332	474863.1	3857377	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	0.00E+00	0.00E+00	1.21E-08	2.19E-09	1.39E-08	2.14E-09	2.04E-09	3.24E-08	3.44E-08	1.26E-08	1.72E-08	6.42E-09	3.44E-08	1.26E-08
4333	475363.1	3857377	9.79E-05	9.55E-05	9.43E-05	3.39E-08	1.02E-07	5.92E-08	5.78E-08	5.24E-08	2.39E-08	2.36E-08	0.00E+00	0.00E+00	1.09E-08	1.96E-09	1.25E-08	1.92E-09	1.83E-09	2.91E-08	3.09E-08	1.13E-08	1.54E-08	5.76E-09	3.09E-08	1.13E-08
4334	475863.1	3857377	9.71E-05	9.47E-05	9.35E-05	3.36E-08	1.01E-07	5.87E-08	5.73E-08	5.20E-08	2.37E-08	2.34E-08	0.00E+00	0.00E+00	1.08E-08	1.95E-09	1.23E-08	1.90E-09	1.81E-09	2.88E-08	3.06E-08	1.12E-08	1.53E-08	5.72E-09	3.06E-08	1.12E-08
4335	476363.1	3857377	1.06E-04	1.04E-04	1.02E-04	3.68E-08	1.11E-07	6.43E-08	6.27E-08	5.68E-08	2.59E-08	2.56E-08	0.00E+00	0.00E+00	1.18E-08	2.13E-09	1.35E-08	2.08E-09	1.98E-09	3.15E-08	3.35E-08	1.23E-08	1.67E-08	6.25E-09	3.35E-08	1.23E-08
4336	476863.1	3857377	1.10E-04	1.08E-04	1.06E-04	3.82E-08	1.15E-07	6.68E-08	6.52E-08	5.91E-08	2.70E-08	2.66E-08	0.00E+00	0.00E+00	1.23E-08	2.21E-09	1.40E-08	2.16E-09	2.06E-09	3.28E-08	3.48E-08	1.28E-08	1.74E-08	6.50E-09	3.48E-08	1.28E-08
4337	477363.1	3857377	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	0.00E+00	0.00E+00	1.21E-08	2.19E-09	1.39E-08	2.14E-09	2.04E-09	3.24E-08	3.44E-08	1.26E-08	1.72E-08	6.42E-09	3.44E-08	1.26E-08
4338	477863.1	3857377	1.05E-04	1.02E-04	1.01E-04	3.63E-08	1.10E-07	6.35E-08	6.20E-08	5.62E-08	2.56E-08	2.53E-08	0.00E+00	0.00E+00	1.17E-08	2.10E-09	1.33E-08	2.06E-09	1.96E-09	3.12E-08	3.31E-08	1.22E-08	1.65E-08	6.18E-09	3.31E-08	1.22E-08
4339	478363.1	3857377	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	0.00E+00	0.00E+00	1.13E-08	2.03E-09	1.29E-08	1.99E-09	1.89E-09	3.00E-08	3.19E-08	1.17E-08	1.59E-08	5.96E-09	3.19E-08	1.17E-08
4340	478863.1	3857377	9.96E-05	9.72E-05	9.59E-05	3.45E-08	1.04E-07	6.02E-08	5.88E-08	5.33E-08	2.43E-08	2.40E-08	0.00E+00	0.00E+00	1.11E-08	2.00E-09	1.27E-08	1.95E-09	1.86E-09	2.96E-08	3.14E-08	1.15E-08	1.57E-08	5.86E-09	3.14E-08	1.15E-08
4341	479363.1	3857377	1.16E-04	1.13E-04	1.11E-04	4.01E-08	1.21E-07	7.00E-08	6.83E-08	6.20E-08	2.83E-08	2.79E-08	0.00E+00	0.00E+00	1.29E-08	2.32E-09	1.47E-08	2.27E-09	2.16E-09	3.44E-08	3.65E-08	1.34E-08	1.82E-08	6.81E-09	3.65E-08	1.34E-08
4342	479863.1	3857377	1.52E-04	1.49E-04	1.47E-04	5.27E-08	1.59E-07	9.21E-08	8.99E-08	8.15E-08	3.72E-08	3.67E-08	0.00E+00	0.00E+00	1.69E-08	3.05E-09	1.94E-08	2.99E-09	2.84E-09	4.52E-08	4.81E-08	1.76E-08	2.40E-08	8.96E-09	4.81E-08	1.76E-08
4343	480363.1	3857377	1.48E-04	1.45E-04	1.43E-04	5.13E-08	1.55E-07	8.96E-08	8.75E-08	7.93E-08	3.62E-08	3.57E-08	0.00E+00	0.00E+00	1.65E-08	2.97E-09	1.88E-08	2.90E-09	2.76E-09	4.40E-08	4.67E-08	1.71E-08	2.33E-08	8.72E-09	4.67E-08	1.71E-08
4344	480863.1	3857377	2.22E-04	2.17E-04	2.14E-04	7.68E-08	2.32E-07	1.34E-07	1.31E-07	1.19E-07	5.42E-08	5.35E-08	0.00E+00	0.00E+00	2.47E-08	4.45E-09	2.82E-08	4.35E-09	4.14E-09	6.59E-08	7.01E-08	2.57E-08	3.50E-08	1.31E-08	7.01E-08	2.57E-08
4345	481363.1	3857377	2.32E-04	2.26E-04	2.23E-04	8.03E-08	2.42E-07	1.40E-07	1.37E-07	1.24E-07	5.66E-08	5.59E-08	0.00E+00	0.00E+00	2.58E-08	4.65E-09	2.95E-08	4.55E-09	4.33E-09	6.88E-08	7.32E-08	2.68E-08	3.65E-08	1.37E-08	7.32E-08	2.68E-08
4346	481863.1	3857377	2.58E-04	2.52E-04	2.49E-04	8.95E-08	2.70E-07	1.56E-07	1.53E-07	1.38E-07	6.31E-08	6.23E-08	0.00E+00	0.00E+00	2.88E-08	5.18E-09	3.29E-08	5.07E-09	4.82E-09	7.67E-08	8.16E-08	2.99E-08	4.07E-08	1.52E-08	8.16E-08	2.99E-08
4347	482363.1	3857377	2.93E-04	2.86E-04	2.82E-04	1.02E-07	3.07E-07	1.77E-07	1.73E-07	1.57E-07	7.16E-08	7.07E-08	0.00E+00	0.00E+00	3.27E-08	5.88E-09	3.73E-08	5.75E-09	5.47E-09	8.71E-08	9.26E-08	3.40E-08	4.62E-08	1.73E-08	9.26E-08	3.40E-08
4348	482863.1	3857377	3.18E-04	3.10E-04	3.06E-04	1.10E-07	3.32E-07	1.92E-07	1.88E-07	1.70E-07	7.76E-08	7.66E-08	0.00E+00	0.00E+00	3.54E-08	6.37E-09	4.04E-08	6.23E-09	5.93E-09	9.43E-08	1.00E-07	3.68E-08	5.01E-08	1.87E-08	1.00E-07	3.68E-08
4349	483363.1	3857377	3.48E-04	3.40E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.06E-07	1.87E-07	8.51E-08	8.40E-08	0.00E+00	0.00E+00	3.88E-08	6.98E-09	4.43E-08	6.83E-09	6.50E-09	1.03E-07	1.10E-07	4.03E-08	5.49E-08	2.05E-08	1.10E-07	4.03E-08
4350	483863.1	3857377	3.94E-04	3.85E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.33E-07	2.11E-07	9.63E-08	9.50E-08	0.00E+00	0.00E+00	4.39E-08	7.90E-09	5.01E-08	7.73E-09	7.35E-09	1.17E-07	1.24E-07	4.56E-08	6.21E-08	2.32E-08	1.24E-07	4.56E-08
4351	484363.1	3857377	4.60E-04	4.49E-04	4.43E-04	1.59E-07	4.81E-07	2.78E-07	2.72E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	5.12E-08	9.22E-09	5.85E-08	9.02E-09	8.59E-09	1.37E-07	1.45E-07	5.33E-08	7.25E-08	2.71E-08	1.45E-07	5.33E-08
4352	484863.1	3857377	5.76E-04	5.62E-04	5.55E-04	1.99E-07	6.02E-07	3.49E-07	3.40E-07	3.08E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.41E-08	1.15E-08	7.33E-08	1.13E-08	1.08E-08	1.71E-07	1.82E-07	6.67E-08	9.08E-08	3.39E-08	1.82E-07	6.67E-08
4353	485363.1	3857377	7.92E-04	7.73E-04	7.63E-04	2.74E-07	8.28E-07	4.79E-07	4.68E-07	4.24E-07	1.93E-07	1.91E-07	0.00E+00	0.00E+00	8.82E-08	1.59E-08	1.01E-07	1.55E-08	1.48E-08	2.35E-07	2.50E-07	9.17E-08	1.25E-07	4.66E-08	2.50E-07	9.17E-08
4354	485863.1	3857377	1.61E-03	1.57E-03	1.55E-03	5.56E-07	1.68E-06	9.71E-07	9.48E-07	8.59E-07	3.92E-07	3.87E-07	0.00E+00	0.00E+00	1.79E-07	3.22E-08	2.04E-07	3.15E-08	3.00E-08	4.76E-07	5.07E-07	1.86E-07	2.53E-07	9.45E-08	5.07E-07	1.86E-07
4355	486363.1	3857377	5.17E-03	5.04E-03	4.98E-03	1.79E-06	5.40E-06	3.13E-06	3.05E-06	2.77E-06	1.26E-06	1.25E-06	0.00E+00	0.00E+00	5.75E-07	1.04E-07	6.57E-07	1.01E-07	9.65E-08	1.53E-06	1.63E-06	5.98E-07	8.14E-07	3.04E-07	1.63E-06	5.98E-07
4356	486863.1	3857377	2.34E-03	2.28E-03	2.25E-03	8.09E-07	2.44E-06	1.41E-06	1.38E-06	1.25E-06	5.71E-07	5.63E-07	0.00E+00	0.00E+00	2.60E-07	4.68E-08	2.97E-07	4.58E-08	4.36E-08	6.94E-07	7.38E-07	2.71E-07	3.68E-07	1.38E-07	7.38E-07	2.71E-07
4357	487363.1	3857377	7.24E-03	7.06E-03	6.97E-03	2.51E-06	7.57E-06	4.38E-06	4.27E-06	3.87E-06	1.77E-06	1.74E-06	0.00E+00	0.00E+00	8.06E-07	1.45E-07	9.21E-07	1.42E-07	1.35E-07	2.15E-06	2.28E-06	8.38E-07	1.14E-06	4.26E-07	2.28E-06	8.38E-07
4358	487863.1	3857377	2.30E-03	2.25E-03	2.22E-03	7.97E-07	2.41E-06	1.39E-06	1.36E-06	1.23E-06	5.62E-07	5.55E-07	0.00E+00	0.00E+00	2.56E-07	4.62E-08	2.93E-07	4.52E-08	4.30E-08	6.84E-07	7.27E-07	2.67E-07	3.63E-07	1.36E-07	7.27E-07	2.67E-07
4359	488363.1	3857377	1.56E-03	1.53E-03	1.51E-03	5.41E-07	1.63E-06	9.46E-07	9.23E-07	8.37E-07	3.82E-07	3.77E-07	0.00E+00	0.00E+00	1.74E-07	3.13E-08	1.99E-07	3.07E-08	2.92E-08	4.64E-07	4.94E-07	1.81E-07	2.46E-07	9.21E-08	4.94E-07	1.81E-07
4360	488863.1	3857377	1.24E-03	1.21E-03	1.19E-03	4.29E-07	1.30E-06	7.51E-07	7.32E-07	6.64E-07	3.03E-07	2.99E-07	0.00E+00	0.00E+00	1.38E-07	2.49E-08	1.58E-07	2.43E-08	2.31E-08	3.68E-07	3.92E-07	1.44E-07	1.95E-07	7.30E-08	3.92E-07	1.44E-07
4361	489363.1	3857377	1.05E-03	1.02E-03	1.01E-03	3.63E-07	1.09E-06	6.34E-07	6.19E-07	5.61E-07	2.56E-07	2.52E-07	0.00E+00	0.00E+00	1.17E-07	2.10E-08	1.33E-07	2.05E-08	1.95E-08	3.11E-07	3.31E-07	1.21E-07	1.65E-07	6.17E-08	3.31E-07	1.21E-07
4362	489863.1	3857377	9.09E-04	8.87E-04	8.76E-04	3.15E-07	9.51E-07	5.50E-07	5.37E-07	4.87E-07	2.22E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.82E-08	1.16E-07	1.78E-08	1.70E-08	2.70E-07	2.87E-07	1.05E-07	1.43E-07	5.35E-08	2.87E-07	1.05E-07
4363	490363.1	3857377	8.08E-04	7.89E-04	7.78E-04	2.80E-07	8.45E-07	4.89E-07	4.77E-07	4.33E-07	1.97E-07	1.95E-07	0.00E+00	0.00E+00	9.00E-08	1.62E-08	1.03E-07	1.58E-08	1.51E-08	2.40E-07	2.55E-07	9.36E-08	1.27E-07	4.76E-08	2.55E-07	9.36E-08
4364	490863.1	3857377	7.28E-04	7.11E-04	7.01E-04	2.52E-07	7.61E-07	4.41E-07	4.30E-07	3.90E-07	1.78E-07	1.75E-07	0.00E+00	0.00E+00	8.10E-08	1.46E-08	9.26E-08	1.43E-08	1.36E-08	2.16E-07	2.30E-07	8.43E-08	1.15E-07	4.29E-08	2.30E-07	8.43E-08
4365	491363.1	3857377	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	0.00E+00	0.00E+00	7.38E-08	1.33E-08	8.43E-08	1.30E-08	1.24E-08	1.97E-07	2.09E-07	7.67E-08	1.04E-07	3.90E-08	2.09E-07	7.67E-08
4366	491863.1	3857377	5.90E-04	5.76E-04	5.68E-04	2.04E-07	6.17E-07	3.57E-07	3.49E-07	3.16E-07	1.44E-07	1.42E-07	0.00E+00	0.00E+00	6.57E-08	1.18E-08	7.51E-08	1.16E-08	1.10E-08	1.75E-07	1.86E-07	6.83E-08	9.30E-08	3.48E-08	1.86E-07	6.83E-08
4367	492363.1	3857377	4.75E-04	4.63E-04	4.57E-04	1.64E-07	4.96E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	0.00E+00	0.00E+00	5.28E-08	9.51E-09	6.04E-08	9.31E-09	8.86E-09	1.41E-07	1.50E-07	5.49E-08	7.48E-08	2.79E-08	1.50E-07	5.49E-08
4368	492863.1	3857377	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.05E-07	2.35E-07	2.29E-07	2.08E-07	9.47E-08	9.35E-08	0.00E+00	0.00E+00	4.32E-08	7.77E-09	4.93E-08	7.61E-09	7.24E-09	1.15E-07	1.22E-07	4.49E-08	6.11E-08	2.28E-08	1.22E-07	4.49E-08
4369	493363.1	3857377	3.26E-04	3.18E-04	3.14E-04	1.13E-07	3.41E-07	1.97E-07	1.93E-07	1.75E-07	7.96E-08	7.86E-08	0.00E+00	0.00E+00	3.63E-08	6.54E-09	4.15E-08	6.40E-09	6.08E-09	9.68E-08	1.03E-07	3.77E-08	5.14E-08	1.92E-08	1.03E-07	3.77E-08
4370	493863.1	3857377	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.81E-07	1.77E-07	1.61E-07	7.33E-08	7.23E-08	0.00E+00	0.00E+00	3.34E-08	6.01E-09	3.81E-08	5.88E-09	5.60E-09	8.90E-08	9.47E-08	3.47E-08	4.73E-08	1.77E-08	9.47E-08	3.47E-08
4371	494363.1	3857377	2.75E-04	2.69E-04	2.65E-04	9.54E-08	2.88E-07	1.67E-07	1.63E-07	1.47E-07	6.73E-08	6.64E-08	0.00E+00	0.00E+00	3.07E-08	5.52E-09	3.50E-08	5.40E-09	5.14E-09	8.18E-08	8.69E-08	3.19E-08	4.34E-08	1.62E-08	8.69E-08	3.19E-08
4372	494863.1	3857377	2.63E-04	2.57E-04	2.53E-04	9.11E-08	2.75E-07	1.59E-07	1.55E-07	1.41E-07	6.42E-08	6.34E-08	0.00E+00	0.00E+00	2.93E-08	5.27E-09	3.34E-08	5.16E-09	4.91E-09	7.81E-08	8.30E-08	3.04E-08	4.14E-08	1.55E-08	8.30E-08	3.04E-08
4373	495363.1	3857377	2.53E-04	2.47E-04	2.43E-04	8.75E-08	2.64E-07	1.53E-07	1.49E-07	1.35E-07	6.17E-08	6.09E-08	0.00E+00	0.00E+00	2.81E-08	5.06E-09	3.21E-08	4.95E-09	4.71E-09	7.50E-08	7.97E-08	2.92E-08	3.98E-08	1.49E-08	7.97E-08	2.92E-08
4374	495863.1	3857377	2.49E-04	2.43E-04	2.40E-04	8.62E-08	2.60E-07	1.51E-07	1.47E-07	1.33E-07	6.08E-08	6.00E-08	0.00E+00	0.00E+00	2.77E-08	4.99E-09	3.17E-08	4.88E-09	4.64E-09	7.39E-08	7.86E-08	2.88E-08	3.92E-08	1.47E-08	7.86E-08	2.88E-08
4375	496363.1	3857377	2.47E-04	2.41E-04	2.38E-04	8.55E-08	2.58E-07	1.49E-07	1.46E-07	1.32E-07	6.03E-08	5.95E-08	0.00E+00	0.00E+00	2.75E-08	4.95E-09	3.14E-08	4.84E-09	4.61E-09	7.33E-08	7.79E-08	2.86E-08	3.89E-08	1.45E-08	7.79E-08	2.86E-08
4376	496863.1	3857377	2.46E-04	2.40E-04	2.37E-04	8.53E-08	2.58E-07	1.49E-07	1.46E-07	1.32E-07	6.02E-08	5.94E-08	0.00E+00	0.00E+00	2.74E-08	4.94E-09	3.13E-08	4.83E-09	4.60E-09	7.31E-08	7.78E-08	2.85E-08	3.88E-08	1.45E-08	7.78E-08	2.85E-08
4377	497363.1	3857377	2.50E-04	2.44E-04	2.41E-04	8.66E-08	2.61E-07	1.51E-07	1.48E-07	1.34E-07	6.11E-08	6.03E-08	0.00E+00	0.00E+00	2.78E-08	5.01E-09	3.18E-08	4.91E-09	4.67E-09	7.42E-08	7.90E-08	2.90E-08	3.94E-08	1.47E-08	7.90E-08	2.90E-08
4378	497863.1	3857377	2.58E-04	2.52E-04	2.49E-04	8.95E-08	2.70E-07	1.56E-07	1.53E-07	1.38E-07	6.31E-08	6.23E-08	0.00E+00	0.00E+00	2.88E-08	5.18E-09	3.29E-08	5.07E-09	4.82E-09	7.67E-08	8.16E-08	2.99E-08	4.07E-08	1.52E-08	8.16E-08	2.99E-08
4379	498363.1	3857377	2.83E-04	2.76E-04	2.72E-04	9.78E-08	2.95E-07	1.71E-07	1.67E-07	1.51E-07	6.90E-08	6.81E-08	0.00E+00	0.00E+00	3.14E-08	5.66E-09	3.59E-08	5.54E-09	5.27E-09	8.39E-08	8.92E-08	3.27E-08	4.45E-08	1.66E-08	8.92E-08	3.27E-08
4380	471363.1	3857877	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	0.00E+00	0.00E+00	1.13E-08	2.03E-09	1.29E-08	1.99E-09	1.89E-09	3.00E-08	3.19E-08	1.17E-08	1.59E-08	5.96E-09	3.19E-08	1.17E-08
4381	471863.1	3857877	1.03E-04	1.00E-04	9.91E-05	3.56E-08	1.08E-07	6.23E-08	6.07E-08	5.51E-08	2.51E-08	2.48E-08	0.00E+00	0.00E+00	1.15E-08	2.06E-09	1.31E-08	2.02E-09	1.92E-09	3.05E-08	3.25E-08	1.19E-08	1.62E-08	6.06E-09	3.25E-08	1.19E-08
4382	472363.1	3857877	1.05E-04	1.03E-04	1.01E-04	3.65E-08	1.10E-07	6.38E-08	6.22E-08	5.64E-08	2.57E-08	2.54E-08	0.00E+00	0.00E+00	1.17E-08	2.11E-09	1.34E-08	2.07E-09	1.97E-09	3.13E-08	3.33E-08	1.22E-08	1.66E-08	6.20E-09	3.33E-08	1.22E-08

4383	472863.1	3857877	1.10E-04	1.07E-04	1.05E-04	3.79E-08	1.14E-07	6.63E-08	6.47E-08	5.86E-08	2.67E-08	2.64E-08	0.00E+00	0.00E+00	1.22E-08	2.20E-09	1.39E-08	2.15E-09	2.04E-09	3.25E-08	3.46E-08	1.27E-08	1.73E-08	6.45E-09	3.46E-08	1.27E-08
4384	473363.1	3857877	1.12E-04	1.10E-04	1.08E-04	3.89E-08	1.18E-07	6.80E-08	6.64E-08	6.02E-08	2.75E-08	2.71E-08	0.00E+00	0.00E+00	1.25E-08	2.25E-09	1.43E-08	2.20E-09	2.10E-09	3.34E-08	3.55E-08	1.30E-08	1.77E-08	6.62E-09	3.55E-08	1.30E-08
4385	473863.1	3857877	1.17E-04	1.14E-04	1.13E-04	4.05E-08	1.22E-07	7.08E-08	6.91E-08	6.26E-08	2.86E-08	2.82E-08	0.00E+00	0.00E+00	1.30E-08	2.34E-09	1.49E-08	2.29E-09	2.18E-09	3.47E-08	3.69E-08	1.35E-08	1.84E-08	6.89E-09	3.69E-08	1.35E-08
4386	474363.1	3857877	1.13E-04	1.10E-04	1.09E-04	3.91E-08	1.18E-07	6.83E-08	6.66E-08	6.04E-08	2.76E-08	2.72E-08	0.00E+00	0.00E+00	1.26E-08	2.26E-09	1.44E-08	2.21E-09	2.11E-09	3.35E-08	3.56E-08	1.31E-08	1.78E-08	6.64E-09	3.56E-08	1.31E-08
4387	474863.1	3857877	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	0.00E+00	0.00E+00	1.14E-08	2.05E-09	1.30E-08	2.00E-09	1.90E-09	3.03E-08	3.22E-08	1.18E-08	1.61E-08	6.01E-09	3.22E-08	1.18E-08
4388	475363.1	3857877	8.59E-05	8.38E-05	8.27E-05	2.97E-08	8.98E-08	5.20E-08	5.07E-08	4.60E-08	2.10E-08	2.07E-08	0.00E+00	0.00E+00	9.56E-09	1.72E-09	1.09E-08	1.68E-09	1.60E-09	2.55E-08	2.71E-08	9.94E-09	1.35E-08	5.06E-09	2.71E-08	9.94E-09
4389	475863.1	3857877	7.18E-05	7.00E-05	6.91E-05	2.48E-08	7.50E-08	4.34E-08	4.24E-08	3.84E-08	1.75E-08	1.73E-08	0.00E+00	0.00E+00	7.99E-09	1.44E-09	9.13E-09	1.41E-09	1.34E-09	2.13E-08	2.27E-08	8.31E-09	1.13E-08	4.23E-09	2.27E-08	8.31E-09
4390	476363.1	3857877	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	0.00E+00	0.00E+00	1.01E-08	1.82E-09	1.16E-08	1.78E-09	1.70E-09	2.70E-08	2.87E-08	1.05E-08	1.43E-08	5.35E-09	2.87E-08	1.05E-08
4391	476863.1	3857877	9.87E-05	9.64E-05	9.51E-05	3.42E-08	1.03E-07	5.97E-08	5.83E-08	5.28E-08	2.41E-08	2.38E-08	0.00E+00	0.00E+00	1.10E-08	1.98E-09	1.26E-08	1.94E-09	1.84E-09	2.93E-08	3.12E-08	1.14E-08	1.56E-08	5.81E-09	3.12E-08	1.14E-08
4392	477363.1	3857877	1.01E-04	9.84E-05	9.71E-05	3.49E-08	1.05E-07	6.10E-08	5.95E-08	5.40E-08	2.46E-08	2.43E-08	0.00E+00	0.00E+00	1.12E-08	2.02E-09	1.28E-08	1.98E-09	1.88E-09	2.99E-08	3.18E-08	1.17E-08	1.59E-08	5.93E-09	3.18E-08	1.17E-08
4393	477863.1	3857877	1.02E-04	1.00E-04	9.87E-05	3.55E-08	1.07E-07	6.20E-08	6.05E-08	5.48E-08	2.50E-08	2.47E-08	0.00E+00	0.00E+00	1.14E-08	2.05E-09	1.30E-08	2.01E-09	1.91E-09	3.04E-08	3.23E-08	1.19E-08	1.61E-08	6.03E-09	3.23E-08	1.19E-08
4394	478363.1	3857877	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.18E-08	1.81E-09	1.73E-09	2.75E-08	2.92E-08	1.07E-08	1.46E-08	5.45E-09	2.92E-08	1.07E-08
4395	478863.1	3857877	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	0.00E+00	0.00E+00	1.01E-08	1.82E-09	1.16E-08	1.78E-09	1.70E-09	2.70E-08	2.87E-08	1.05E-08	1.43E-08	5.35E-09	2.87E-08	1.05E-08
4396	479363.1	3857877	1.40E-04	1.37E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.28E-08	7.51E-08	3.42E-08	3.38E-08	0.00E+00	0.00E+00	1.56E-08	2.81E-09	1.78E-08	2.75E-09	2.62E-09	4.16E-08	4.43E-08	1.62E-08	2.21E-08	8.26E-09	4.43E-08	1.62E-08
4397	479863.1	3857877	1.76E-04	1.72E-04	1.70E-04	6.10E-08	1.84E-07	1.07E-07	1.04E-07	9.44E-08	4.31E-08	4.25E-08	0.00E+00	0.00E+00	1.96E-08	3.53E-09	2.24E-08	3.46E-09	3.29E-09	5.23E-08	5.57E-08	2.04E-08	2.78E-08	1.04E-08	5.57E-08	2.04E-08
4398	480363.1	3857877	1.96E-04	1.91E-04	1.89E-04	6.79E-08	2.05E-07	1.19E-07	1.16E-07	1.05E-07	4.79E-08	4.73E-08	0.00E+00	0.00E+00	2.18E-08	3.93E-09	2.50E-08	3.85E-09	3.66E-09	5.82E-08	6.19E-08	2.27E-08	3.09E-08	1.16E-08	6.19E-08	2.27E-08
4399	480863.1	3857877	2.07E-04	2.02E-04	1.99E-04	7.15E-08	2.16E-07	1.25E-07	1.22E-07	1.11E-07	5.05E-08	4.98E-08	0.00E+00	0.00E+00	2.30E-08	4.14E-09	2.63E-08	4.05E-09	3.86E-09	6.13E-08	6.52E-08	2.39E-08	3.25E-08	1.22E-08	6.52E-08	2.39E-08
4400	481363.1	3857877	2.17E-04	2.12E-04	2.09E-04	7.53E-08	2.27E-07	1.32E-07	1.28E-07	1.16E-07	5.31E-08	5.24E-08	0.00E+00	0.00E+00	2.42E-08	4.36E-09	2.76E-08	4.26E-09	4.06E-09	6.45E-08	6.86E-08	2.52E-08	3.42E-08	1.28E-08	6.86E-08	2.52E-08
4401	481863.1	3857877	2.34E-04	2.29E-04	2.26E-04	8.11E-08	2.45E-07	1.42E-07	1.38E-07	1.25E-07	5.72E-08	5.65E-08	0.00E+00	0.00E+00	2.61E-08	4.70E-09	2.98E-08	4.60E-09	4.37E-09	6.96E-08	7.40E-08	2.71E-08	3.69E-08	1.38E-08	7.40E-08	2.71E-08
4402	482363.1	3857877	2.63E-04	2.57E-04	2.53E-04	9.11E-08	2.75E-07	1.59E-07	1.55E-07	1.41E-07	6.42E-08	6.34E-08	0.00E+00	0.00E+00	2.93E-08	5.27E-09	3.34E-08	5.16E-09	4.91E-09	7.81E-08	8.30E-08	3.04E-08	4.14E-08	1.55E-08	8.30E-08	3.04E-08
4403	482863.1	3857877	2.86E-04	2.79E-04	2.75E-04	9.90E-08	2.99E-07	1.73E-07	1.69E-07	1.53E-07	6.98E-08	6.89E-08	0.00E+00	0.00E+00	3.18E-08	5.73E-09	3.64E-08	5.61E-09	5.33E-09	8.48E-08	9.02E-08	3.31E-08	4.50E-08	1.68E-08	9.02E-08	3.31E-08
4404	483363.1	3857877	3.08E-04	3.01E-04	2.97E-04	1.07E-07	3.22E-07	1.87E-07	1.82E-07	1.65E-07	7.53E-08	7.43E-08	0.00E+00	0.00E+00	3.43E-08	6.18E-09	3.92E-08	6.05E-09	5.75E-09	9.15E-08	9.73E-08	3.57E-08	4.86E-08	1.81E-08	9.73E-08	3.57E-08
4405	483863.1	3857877	3.40E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.31E-08	8.20E-08	0.00E+00	0.00E+00	3.79E-08	6.82E-09	4.33E-08	6.67E-09	6.35E-09	1.01E-07	1.07E-07	3.94E-08	5.36E-08	2.00E-08	1.07E-07	3.94E-08
4406	484363.1	3857877	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.29E-08	9.17E-08	0.00E+00	0.00E+00	4.23E-08	7.62E-09	4.84E-08	7.46E-09	7.10E-09	1.13E-07	1.20E-07	4.40E-08	5.99E-08	2.24E-08	1.20E-07	4.40E-08
4407	484863.1	3857877	4.48E-04	4.37E-04	4.31E-04	1.55E-07	4.68E-07	2.71E-07	2.64E-07	2.40E-07	1.09E-07	1.08E-07	0.00E+00	0.00E+00	4.98E-08	8.97E-09	5.69E-08	8.78E-09	8.35E-09	1.33E-07	1.41E-07	5.18E-08	7.05E-08	2.64E-08	1.41E-07	5.18E-08
4408	485363.1	3857877	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.09E-08	1.10E-08	6.96E-08	1.07E-08	1.02E-08	1.62E-07	1.73E-07	6.33E-08	8.62E-08	3.22E-08	1.73E-07	6.33E-08
4409	485863.1	3857877	7.19E-04	7.01E-04	6.92E-04	2.49E-07	7.51E-07	4.35E-07	4.24E-07	3.85E-07	1.75E-07	1.73E-07	0.00E+00	0.00E+00	8.00E-08	1.44E-08	9.14E-08	1.41E-08	1.34E-08	2.13E-07	2.27E-07	8.32E-08	1.13E-07	4.23E-08	2.27E-07	8.32E-08
4410	486363.1	3857877	1.18E-03	1.15E-03	1.13E-03	4.07E-07	1.23E-06	7.11E-07	6.94E-07	6.29E-07	2.87E-07	2.83E-07	0.00E+00	0.00E+00	1.31E-07	2.36E-08	1.50E-07	2.31E-08	2.19E-08	3.49E-07	3.71E-07	1.36E-07	1.85E-07	6.92E-08	3.71E-07	1.36E-07
4411	486863.1	3857877	7.49E-03	7.30E-03	7.21E-03	2.59E-06	7.82E-06	4.53E-06	4.42E-06	4.01E-06	1.83E-06	1.80E-06	0.00E+00	0.00E+00	8.33E-07	1.50E-07	9.52E-07	1.47E-07	1.40E-07	2.22E-06	2.36E-06	8.67E-07	1.18E-06	4.41E-07	2.36E-06	8.67E-07
4412	487363.1	3857877	3.83E-03	3.73E-03	3.68E-03	1.32E-06	4.00E-06	2.31E-06	2.26E-06	2.05E-06	9.34E-07	9.22E-07	0.00E+00	0.00E+00	4.26E-07	7.67E-08	4.86E-07	7.50E-08	7.14E-08	1.14E-06	1.21E-06	4.43E-07	6.03E-07	2.25E-07	1.21E-06	4.43E-07
4413	487863.1	3857877	8.92E-03	8.70E-03	8.59E-03	3.09E-06	9.32E-06	5.40E-06	5.27E-06	4.77E-06	2.18E-06	2.15E-06	0.00E+00	0.00E+00	9.93E-07	1.79E-07	1.13E-06	1.75E-07	1.66E-07	2.65E-06	2.82E-06	1.03E-06	1.41E-06	5.25E-07	2.82E-06	1.03E-06
4414	488363.1	3857877	2.61E-03	2.55E-03	2.51E-03	9.04E-07	2.73E-06	1.58E-06	1.54E-06	1.40E-06	6.38E-07	6.29E-07	0.00E+00	0.00E+00	2.91E-07	5.23E-08	3.32E-07	5.12E-08	4.87E-08	7.75E-07	8.24E-07	3.02E-07	4.11E-07	1.54E-07	8.24E-07	3.02E-07
4415	488863.1	3857877	1.75E-03	1.70E-03	1.68E-03	6.04E-07	1.82E-06	1.06E-06	1.03E-06	9.34E-07	4.26E-07	4.21E-07	0.00E+00	0.00E+00	1.94E-07	3.50E-08	2.22E-07	3.42E-08	3.26E-08	5.18E-07	5.51E-07	2.02E-07	2.75E-07	1.03E-07	5.51E-07	2.02E-07
4416	489363.1	3857877	1.35E-03	1.31E-03	1.30E-03	4.66E-07	1.41E-06	8.15E-07	7.96E-07	7.21E-07	3.29E-07	3.25E-07	0.00E+00	0.00E+00	1.50E-07	2.70E-08	1.71E-07	2.64E-08	2.51E-08	4.00E-07	4.25E-07	1.56E-07	2.12E-07	7.93E-08	4.25E-07	1.56E-07
4417	489863.1	3857877	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.55E-07	5.93E-07	2.71E-07	2.67E-07	0.00E+00	0.00E+00	1.23E-07	2.22E-08	1.41E-07	2.17E-08	2.07E-08	3.29E-07	3.50E-07	1.28E-07	1.75E-07	6.53E-08	3.50E-07	1.28E-07
4418	490363.1	3857877	9.59E-04	9.36E-04	9.24E-04	3.32E-07	1.00E-06	5.80E-07	5.66E-07	5.13E-07	2.34E-07	2.31E-07	0.00E+00	0.00E+00	1.07E-07	1.92E-08	1.22E-07	1.88E-08	1.79E-08	2.85E-07	3.03E-07	1.11E-07	1.51E-07	5.65E-08	3.03E-07	1.11E-07
4419	490863.1	3857877	8.51E-04	8.30E-04	8.19E-04	2.94E-07	8.89E-07	5.15E-07	5.02E-07	4.55E-07	2.08E-07	2.05E-07	0.00E+00	0.00E+00	9.47E-08	1.70E-08	1.08E-07	1.67E-08	1.59E-08	2.52E-07	2.68E-07	9.85E-08	1.34E-07	5.01E-08	2.68E-07	9.85E-08
4420	491363.1	3857877	7.34E-04	7.16E-04	7.06E-04	2.54E-07	7.67E-07	4.44E-07	4.33E-07	3.93E-07	1.79E-07	1.77E-07	0.00E+00	0.00E+00	8.16E-08	1.47E-08	9.33E-08	1.44E-08	1.37E-08	2.18E-07	2.32E-07	8.49E-08	1.16E-07	4.32E-08	2.32E-07	8.49E-08
4421	491863.1	3857877	6.22E-04	6.07E-04	5.99E-04	2.15E-07	6.50E-07	3.76E-07	3.67E-07	3.33E-07	1.52E-07	1.50E-07	0.00E+00	0.00E+00	6.92E-08	1.25E-08	7.91E-08	1.22E-08	1.16E-08	1.85E-07	1.96E-07	7.20E-08	9.80E-08	3.66E-08	1.96E-07	7.20E-08
4422	492363.1	3857877	4.88E-04	4.77E-04	4.70E-04	1.69E-07	5.10E-07	2.95E-07	2.88E-07	2.61E-07	1.19E-07	1.18E-07	0.00E+00	0.00E+00	5.44E-08	9.79E-09	6.21E-08	9.58E-09	9.11E-09	1.45E-07	1.54E-07	5.65E-08	7.69E-08	2.87E-08	1.54E-07	5.65E-08
4423	492863.1	3857877	3.96E-04	3.86E-04	3.81E-04	1.37E-07	4.14E-07	2.39E-07	2.34E-07	2.12E-07	9.67E-08	9.54E-08	0.00E+00	0.00E+00	4.41E-08	7.93E-09	5.03E-08	7.76E-09	7.39E-09	1.17E-07	1.25E-07	4.58E-08	6.24E-08	2.33E-08	1.25E-07	4.58E-08
4424	493363.1	3857877	3.55E-04	3.47E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.10E-07	1.90E-07	8.67E-08	8.56E-08	0.00E+00	0.00E+00	3.95E-08	7.12E-09	4.52E-08	6.96E-09	6.63E-09	1.05E-07	1.12E-07	4.11E-08	5.59E-08	2.09E-08	1.12E-07	4.11E-08
4425	493863.1	3857877	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.12E-08	8.01E-08	0.00E+00	0.00E+00	3.70E-08	6.66E-09	4.23E-08	6.52E-09	6.20E-09	9.86E-08	1.05E-07	3.85E-08	5.24E-08	1.96E-08	1.05E-07	3.85E-08
4426	494363.1	3857877	3.17E-04	3.09E-04	3.05E-04	1.10E-07	3.31E-07	1.92E-07	1.87E-07	1.69E-07	7.73E-08	7.63E-08	0.00E+00	0.00E+00	3.52E-08	6.34E-09	4.03E-08	6.21E-09	5.91E-09	9.40E-08	9.99E-08	3.66E-08	4.99E-08	1.86E-08	9.99E-08	3.66E-08
4427	494863.1	3857877	2.95E-04	2.88E-04	2.84E-04	1.02E-07	3.08E-07	1.78E-07	1.74E-07	1.58E-07	7.20E-08	7.11E-08	0.00E+00	0.00E+00	3.28E-08	5.91E-09	3.75E-08	5.78E-09	5.50E-09	8.75E-08	9.31E-08	3.41E-08	4.65E-08	1.74E-08	9.31E-08	3.41E-08
4428	495363.1	3857877	2.85E-04	2.79E-04	2.75E-04	9.88E-08	2.98E-07	1.73E-07	1.69E-07	1.53E-07	6.97E-08	6.88E-08	0.00E+00	0.00E+00	3.18E-08	5.72E-09	3.63E-08	5.60E-09	5.33E-09	8.47E-08	9.01E-08	3.30E-08	4.50E-08	1.68E-08	9.01E-08	3.30E-08
4429	495863.1	3857877	2.77E-04	2.70E-04	2.67E-04	9.59E-08	2.90E-07	1.68E-07	1.64E-07	1.48E-07	6.77E-08	6.68E-08	0.00E+00	0.00E+00	3.08E-08	5.55E-09	3.52E-08	5.43E-09	5.17E-09	8.23E-08	8.75E-08	3.21E-08	4.37E-08	1.63E-08	8.75E-08	3.21E-08
4430	496363.1	3857877	2.75E-04	2.69E-04	2.65E-04	9.54E-08	2.88E-07	1.67E-07	1.63E-07	1.47E-07	6.73E-08	6.64E-08	0.00E+00	0.00E+00	3.07E-08	5.52E-09	3.50E-08	5.40E-09	5.14E-09	8.18E-08	8.69E-08	3.19E-08	4.34E-08	1.62E-08	8.69E-08	3.19E-08
4431	496863.1	3857877	2.75E-04	2.68E-04	2.65E-04	9.52E-08	2.87E-07	1.66E-07	1.62E-07	1.47E-07	6.72E-08	6.63E-08	0.00E+00	0.00E+00	3.06E-08	5.51E-09	3.50E-08	5.39E-09	5.13E-09	8.16E-08	8.68E-08	3.18E-08	4.33E-08	1.62E-08	8.68E-08	3.18E-08
4432	497363.1	3857877	2.73E-04	2.66E-04	2.62E-04	9.44E-08	2.85E-07	1.65E-07	1.61E-07	1.46E-07	6.66E-08	6.57E-08	0.00E+00	0.00E+00	3.03E-08	5.46E-09	3.47E-08	5.35E-09	5.09E-09	8.09E-08	8.60E-08	3.16E-08	4.29E-08	1.60E-08	8.60E-08	3.16E-08
4433	497863.1	3857877	2.88E-04	2.81E-04	2.77E-04	9.97E-08	3.01E-07	1.74E-07	1.70E-07	1.54E-07	7.03E-08	6.94E-08	0.00E+00	0.00E+00	3.21E-08	5.77E-09	3.66E-08	5.65E-09	5.37E-09	8.55E-08	9.09E-08	3.33E-08	4.54E-08	1.69E-08	9.09E-08	3.33E-08
4434	498363.1	3857877	3.02E-04	2.95E-04	2.91E-04	1.05E-07	3.16E-07	1.83E-07	1.79E-07	1.62E-07	7.39E-08	7.29E-08	0.00E+00	0.00E+00	3.37E-08	6.06E-09	3.85E-08	5.93E-09	5.64E-09	8.98E-08	9.55E-08	3.50E-08	4.76E-08	1.78E-08	9.55E-08	3.50E-08
4435	471363.1	3858377	9.96E-05	9.72E-05	9.59E-05	3.45E-08	1.04E-07	6.02E-08	5.88E-08	5.33E-08	2.43E-08	2.40E-08	0.00E+00	0.00E+00	1.11E-08	2.00E-09	1.27E-08	1.95E-09	1.86E-09	2.96E-08	3.14E-08	1.15E-08	1.57E-08	5.86E-09	3.14E-08	1.15E-08
4436	471863.1	3858377	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	0.00E+00	0.00E+00	1.13E-08	2.03E-09	1.29E-08	1.99E-09	1.89E-09	3.00E-08	3.19E-08	1.17E-08	1.59E-08	5.96E-09	3.19E-08	1.17E-08
4437	472363.1	3858377	1.03E-04	1.00E-04	9.91E-05	3.56E-08	1.08E-07	6.23E-08	6.07E-08	5.51E-08	2.51E-08	2.48E-08	0.00E+00	0.00E+00	1.15E-08	2.06E-09	1.31E-08	2.02E-09	1.92E-09	3.05E-08	3.25E-08	1.19E-08	1.62E-08	6.06E-09	3.25E-08	1.19E-08
4438	472863.1	3858377	1.05E-04	1.03E-04	1.01E-04	3.65E-08	1.10E-07	6.38E-08	6.22E-08	5.64E-08	2.57E-08	2.54E-08	0.00E+00	0.00E+00	1.17E-08	2.11E-09	1.34E-08	2.07E-09	1.97E-09	3.13E-08	3.33E-08	1.22E-08	1.66E-08	6.20E-09	3.33E-08	1.22E-08
4439	473363.1	3858377	1.11E-04	1.08E-04	1.07E-04	3.83E-08	1.16E-07	6.70E-08	6.54E-08	5.93E-08	2.71E-08	2.67E-08	0.00E+00	0.00E+00	1.23E-08	2.22E-09	1.41E-08	2.17E-09	2.07E-09	3.29E-08	3.50E-08	1.28E-08	1.75E-08	6.52E-09	3.50E-08	1.28E-08
4440	473863.1	3858377	1.11E-04	1.08E-04	1.07E-04	3.85E-08	1.16E-07	6.73E-08	6.56E-08	5.95E-08	2.72E-08	2.68E-08	0.00E+00	0.00E+00	1.24E-08	2.23E-09	1.41E-08	2.18E-09	2.07E-09	3.30E-08	3.51E-08	1.29E-08	1.75E-08	6.55E-09	3.51E-08	1.29E-08
4441	474363.1	3858377	1.05E-04	1.03E-04	1.01E-04	3.65E-08	1.10E-07	6.38E-08	6.22E-08	5.64E-08	2.57E-08	2.54E-08	0.00E+00	0.00E+00	1.17E-08	2.11E-09	1.34E-08	2.07E-09	1.97E-09	3.13E-08	3.33E-08	1.22E-08	1.66E-08	6.20E-09	3.33E-08	1.22E-08
4442	474863.1	3858377	9.87E-05	9.64E-05	9.51E-05	3.42E-08	1.03E-07	5.97E-08	5.83E-08	5.28E-08	2.41E-08	2.38E-08	0.00E+00	0.00E+00	1.10E-08	1.98E-09	1.26E-08	1.94E-09	1.84E-09	2.93E-08	3.12E-08	1.14E-08	1.56E-08	5.81E-09	3.12E-08	1.14E-08
4443	475363.1	3858377	8.71E-05	8.50E-05	8.39E-05	3.02E-08	9.11E-08	5.27E-08	5.14E-08	4.66E-08	2.13E-08	2.10E-08	0.00E+00	0.00E+00	9.70E-09	1.75E-09	1.11E-08	1.71E-09	1.63E-09	2.59E-08	2.75E-08	1.01E-08	1.37E-08	5.13E-09	2.75E-08	1.01E-08
4444	475863.1	3858377	8.09E-05	7.89E-05	7.79E-05	2.80E-08	8.46E-08	4.90E-08	4.78E-08	4.33E-08	1.98E-08	1.95E-08	0.00E+00	0.00E+00	9.01E-09	1.62E-09	1.03E-08	1.59E-09	1.51E-09	2.40E-08	2.55E-08	9.37E-09	1.27E-08	4.76E-09	2.55E-08	9.37E-09
4445	476363.1	3858377	8.34E-05	8.14E-05	8.03E-05	2.89E-08	8.72E-08	5.05E-08	4.92E-08	4.46E-08	2.04E-08	2.01E-08	0.00E+00	0.00E+00	9.28E-09	1.67E-09	1.06E-08	1.64E-09	1.56E-09	2.47E-08	2.63E-08	9.65E-09	1.31E-08	4.91E-09	2.63E-08	9.65E-09
4446	476863.1	3858377	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	0.00E+00	0.00E+00	9.65E-09	1.74E-09	1.10E-08	1.70E-09	1.62E-09	2.57E-08	2.74E-08	1.00E-08	1.37E-08	5.10E-09	2.74E-08	1.00E-08
4447	477363.1	3858377	8.80E-05	8.58E-05	8.47E-05	3.04E-08	9.19E-08	5.32E-08	5.19E-08	4.71E-08	2.15E-08	2.12E-08	0.00E+00	0.00E+00	9.79E-09	1.76E-09	1.12E-08	1.72E-09	1.64E-09	2.61E-08	2.78E-08	1.02E-08	1.39E-08	5.18E-09	2.78E-08	1.02E-08
4448	477863.1	3858377	9.67E-05	9.43E-05	9.31E-05	3.35E-08	1.01E-07	5.85E-08	5.71E-08	5.17E-08	2.36E-08	2.33E-08	0.00E+00	0.00E+00	1.08E-08	1.94E-09	1.23E-08	1.90E-09	1.80E-09	2.87E-08	3.05E-08	1.12E-08	1.52E-08	5.69E-09	3.05E-08	1.12E-08
4449	478363.1	3858377	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	0.00E+00	0.00E+00	1.13E-08	2.04E-09	1.29E-08	1.99E-09	1.90E-09	3.02E-08	3.21E-08	1.18E-08	1.60E-08	5.98E-09	3.21E-08	1.18E-08
4450	478863.1	3858377	9.58E-05	9.35E-05	9.23E-05	3.32E-08	1.00E-07	5.80E-08	5.66E-08	5.13E-08	2.34E-08	2.31E-08	0.00E+00	0.00E+00	1.07E-08	1.92E-09	1.22E-08	1.88E-09	1.79E-09	2.84E-08	3.02E-08	1.11E-08	1.51E-08	5.64E-09	3.02E-08	1.11E-08
4451	479363.1	3858377	1.33E-04	1.30E-04	1.28E-04	4.61E-08	1.39E-07	8.06E-08	7.86E-08	7.13E-08	3.25E-08	3.21E-08	0.00E+00	0.00E+00	1.48E-08	2.67E-09	1.69E-08	2.61E-09	2.48E-09	3.95E-08	4.20E-08	1.54E-08	2.10E-08	7.84E-09	4.20E-08	1.54E-08
4452	479863.1	3858377	1.69E-04	1.65E-04	1.63E-04	5.86E-08	1.77E-07	1.02E-07	9.99E-08	9.06E-08	4.13E-08	4.08E-08	0.00E+00	0.00E+00	1.88E-08	3.39E-09	2.15E-08	3.32E-09	3.16E-09	5.02E-08	5.34E-08	1.96E-08	2.67E-08	9.96E-09	5.34E-08	1.96E-08
4453	480363.1	3858377	1.88E-04	1.84E-04	1.81E-04	6.52E-08	1.97E-07	1.14E-07	1.11E-07	1.01E-07	4.60E-08	4.54E-08	0.00E+00	0.00E+00	2.10E-08	3.77E-09	2.40E-08	3.69E-09	3.51E-09	5.59E-08	5.94E-08	2.18E-08	2.97E-08	1.11E-08	5.94E-08	2.18E-08
4454	480863.1	3858377	1.98E-04	1.94E-04	1.91E-04	6.86E-08	2.07E-07	1.20E-07	1.17E-07	1.06E-07	4.84E-08	4.78E-08	0.00E+00	0.00E+00	2.21E-08	3.97E-09	2.52E-08	3.89E-09	3.70E-09	5.89E-08	6.26E-08	2.30E-08	3.12E-08	1.17E-08	6.26E-08	2.30E-08
4455	481363.1	3858377	2.10E-04	2.05E-04	2.03E-04	7.28E-08	2.20E-07	1.27E-07	1.24E-07	1.13E-07	5.14E-08	5.07E-08	0.00E+00	0.00E+00	2.34E-08	4.22E-09	2.67E-08	4.13E-09	3.92E-09	6.24E-08	6.64E-08	2.43E-08	3.31E-08	1.24E-08	6.64E-08	2.43E-08
4456	481863.1	3858377	2.19E-04	2.14E-04	2.11E-04	7.60E-08	2.29E-07	1.33E-07	1.30E-07	1.17E-07	5.36E-08	5.29E-08	0.00E+00	0.00E+00	2.44E-08	4.40E-09	2.79E-08	4.30E-09	4.10E-09	6.51E-08	6.93E-08	2.54E-08	3.46E-08	1.29E-08	6.93E-08	2.54E-08
4457	482363.1	3858377	2.36E-04	2.30E-04	2.27E-04	8.16E-08	2.46E-07	1.43E-07	1.39E-07	1.26E-07	5.76E-08	5.68E-08	0.00E+00	0.00E+00	2.62E-08	4.72E-09	3.00E-08	4.62E-09	4.40E-09	6.99E-08	7.44E-08	2.73E-08	3.71E-08	1.39E-08	7.44E-08	2.73E-08
4458	482863.1	3858377	2.59E-04	2.53E-04	2.49E-04	8.96E-08	2.71E-07	1.57E-07	1.53E-07	1.39E-07	6.32E-08	6.24E-08	0.00E+00	0.00E+00	2.88E-08	5.19E-09	3.29E-08	5.08E-09	4.83E-09	7.68E-08	8.17E-08	3.00E-08	4.08E-08	1.52E-08	8.17E-08	3.00E-08
4459	483363.1	3858377	2.80E-04	2.73E-04	2.69E-04	9.68E-08	2.92E-07	1.69E-07	1.65E-07	1.50E-07	6.83E-08	6.74E-08	0.00E+00	0.00E+00	3.11E-08	5.60E-09	3.56E-08	5.48E-09	5.22E-09	8.30E-08	8.83E-08	3.24E-08	4.41E-08	1.65E-08	8.83E-08	3.24E-08

4460	483863.1	3858377	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.81E-07	1.77E-07	1.61E-07	7.33E-08	7.23E-08	0.00E+00	0.00E+00	3.34E-08	6.01E-09	3.81E-08	5.88E-09	5.60E-09	8.90E-08	9.47E-08	3.47E-08	4.73E-08	1.77E-08	9.47E-08	3.47E-08
4461	484363.1	3858377	3.29E-04	3.21E-04	3.17E-04	1.14E-07	3.44E-07	1.99E-07	1.94E-07	1.76E-07	8.03E-08	7.93E-08	0.00E+00	0.00E+00	3.66E-08	6.59E-09	4.18E-08	6.45E-09	6.14E-09	9.76E-08	1.04E-07	3.81E-08	5.18E-08	1.94E-08	1.04E-07	3.81E-08
4462	484863.1	3858377	3.71E-04	3.62E-04	3.58E-04	1.29E-07	3.88E-07	2.25E-07	2.19E-07	1.99E-07	9.07E-08	8.95E-08	0.00E+00	0.00E+00	4.13E-08	7.44E-09	4.72E-08	7.28E-09	6.93E-09	1.10E-07	1.17E-07	4.30E-08	5.85E-08	2.19E-08	1.17E-07	4.30E-08
4463	485363.1	3858377	4.31E-04	4.21E-04	4.15E-04	1.49E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.80E-08	8.65E-09	5.49E-08	8.46E-09	8.05E-09	1.28E-07	1.36E-07	4.99E-08	6.80E-08	2.54E-08	1.36E-07	4.99E-08
4464	485863.1	3858377	5.13E-04	5.01E-04	4.94E-04	1.78E-07	5.36E-07	3.11E-07	3.03E-07	2.75E-07	1.25E-07	1.24E-07	0.00E+00	0.00E+00	5.71E-08	1.03E-08	6.53E-08	1.01E-08	9.58E-09	1.52E-07	1.62E-07	5.94E-08	8.08E-08	3.02E-08	1.62E-07	5.94E-08
4465	486363.1	3858377	6.39E-04	6.23E-04	6.15E-04	2.21E-07	6.68E-07	3.87E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	0.00E+00	0.00E+00	7.11E-08	1.28E-08	8.13E-08	1.25E-08	1.19E-08	1.90E-07	2.02E-07	7.40E-08	1.01E-07	3.76E-08	2.02E-07	7.40E-08
4466	486863.1	3858377	8.74E-04	8.53E-04	8.42E-04	3.03E-07	9.14E-07	5.29E-07	5.16E-07	4.68E-07	2.13E-07	2.11E-07	0.00E+00	0.00E+00	9.73E-08	1.75E-08	1.11E-07	1.71E-08	1.63E-08	2.59E-07	2.76E-07	1.01E-07	1.38E-07	5.15E-08	2.76E-07	1.01E-07
4467	487363.1	3858377	1.56E-03	1.52E-03	1.50E-03	5.40E-07	1.63E-06	9.44E-07	9.22E-07	8.35E-07	3.81E-07	3.76E-07	0.00E+00	0.00E+00	1.74E-07	3.13E-08	1.98E-07	3.06E-08	2.91E-08	4.63E-07	4.93E-07	1.81E-07	2.46E-07	9.19E-08	4.93E-07	1.81E-07
4468	487863.1	3858377	2.00E-02	1.95E-02	1.93E-02	6.93E-06	2.09E-05	1.21E-05	1.18E-05	1.07E-05	4.89E-06	4.83E-06	0.00E+00	0.00E+00	2.23E-06	4.01E-07	2.55E-06	3.93E-07	3.74E-07	5.94E-06	6.32E-06	2.32E-06	3.16E-06	1.18E-06	6.32E-06	2.32E-06
4469	488363.1	3858377	1.25E-02	1.22E-02	1.20E-02	4.31E-06	1.30E-05	7.54E-06	7.36E-06	6.67E-06	3.04E-06	3.00E-06	0.00E+00	0.00E+00	1.39E-06	2.50E-07	1.58E-06	2.44E-07	2.33E-07	3.70E-06	3.93E-06	1.44E-06	1.96E-06	7.34E-07	3.93E-06	1.44E-06
4470	488863.1	3858377	3.15E-03	3.08E-03	3.04E-03	1.09E-06	3.30E-06	1.91E-06	1.86E-06	1.69E-06	7.70E-07	7.60E-07	0.00E+00	0.00E+00	3.51E-07	6.32E-08	4.01E-07	6.19E-08	5.89E-08	9.36E-07	9.96E-07	3.65E-07	4.97E-07	1.86E-07	9.96E-07	3.65E-07
4471	489363.1	3858377	1.99E-03	1.94E-03	1.91E-03	6.88E-07	2.08E-06	1.20E-06	1.17E-06	1.06E-06	4.85E-07	4.79E-07	0.00E+00	0.00E+00	2.21E-07	3.98E-08	2.53E-07	3.90E-08	3.71E-08	5.90E-07	6.27E-07	2.30E-07	3.13E-07	1.17E-07	6.27E-07	2.30E-07
4472	489863.1	3858377	1.50E-03	1.46E-03	1.44E-03	5.19E-07	1.57E-06	9.07E-07	8.85E-07	8.02E-07	3.66E-07	3.61E-07	0.00E+00	0.00E+00	1.67E-07	3.00E-08	1.91E-07	2.94E-08	2.80E-08	4.45E-07	4.73E-07	1.73E-07	2.36E-07	8.82E-08	4.73E-07	1.73E-07
4473	490363.1	3858377	1.22E-03	1.19E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.21E-07	6.54E-07	2.98E-07	2.94E-07	0.00E+00	0.00E+00	1.36E-07	2.45E-08	1.55E-07	2.39E-08	2.28E-08	3.62E-07	3.85E-07	1.41E-07	1.92E-07	7.19E-08	3.85E-07	1.41E-07
4474	490863.1	3858377	1.04E-03	1.01E-03	9.99E-04	3.59E-07	1.08E-06	6.28E-07	6.13E-07	5.56E-07	2.54E-07	2.50E-07	0.00E+00	0.00E+00	1.16E-07	2.08E-08	1.32E-07	2.04E-08	1.94E-08	3.08E-07	3.28E-07	1.20E-07	1.64E-07	6.11E-08	3.28E-07	1.20E-07
4475	491363.1	3858377	8.51E-04	8.30E-04	8.19E-04	2.95E-07	8.89E-07	5.15E-07	5.02E-07	4.55E-07	2.08E-07	2.05E-07	0.00E+00	0.00E+00	9.47E-08	1.71E-08	1.08E-07	1.67E-08	1.59E-08	2.53E-07	2.69E-07	9.85E-08	1.34E-07	5.01E-08	2.69E-07	9.85E-08
4476	491863.1	3858377	6.48E-04	6.32E-04	6.24E-04	2.24E-07	6.77E-07	3.92E-07	3.83E-07	3.47E-07	1.58E-07	1.56E-07	0.00E+00	0.00E+00	7.21E-08	1.30E-08	8.24E-08	1.27E-08	1.21E-08	1.92E-07	2.05E-07	7.50E-08	1.02E-07	3.81E-08	2.05E-07	7.50E-08
4477	492363.1	3858377	5.02E-04	4.90E-04	4.83E-04	1.74E-07	5.25E-07	3.04E-07	2.96E-07	2.69E-07	1.23E-07	1.21E-07	0.00E+00	0.00E+00	5.59E-08	1.01E-08	6.38E-08	9.84E-09	9.37E-09	1.49E-07	1.58E-07	5.81E-08	7.91E-08	2.96E-08	1.58E-07	5.81E-08
4478	492863.1	3858377	4.95E-04	4.83E-04	4.77E-04	1.71E-07	5.17E-07	2.99E-07	2.92E-07	2.65E-07	1.21E-07	1.19E-07	0.00E+00	0.00E+00	5.51E-08	9.92E-09	6.29E-08	9.71E-09	9.24E-09	1.47E-07	1.56E-07	5.73E-08	7.80E-08	2.91E-08	1.56E-07	5.73E-08
4479	493363.1	3858377	4.43E-04	4.32E-04	4.27E-04	1.53E-07	4.63E-07	2.68E-07	2.62E-07	2.37E-07	1.08E-07	1.07E-07	0.00E+00	0.00E+00	4.93E-08	8.88E-09	5.63E-08	8.69E-09	8.27E-09	1.32E-07	1.40E-07	5.13E-08	6.98E-08	2.61E-08	1.40E-07	5.13E-08
4480	493863.1	3858377	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.27E-07	2.47E-07	2.41E-07	2.19E-07	9.97E-08	9.84E-08	0.00E+00	0.00E+00	4.54E-08	8.18E-09	5.19E-08	8.01E-09	7.62E-09	1.21E-07	1.29E-07	4.73E-08	6.43E-08	2.40E-08	1.29E-07	4.73E-08
4481	494363.1	3858377	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.27E-07	2.22E-07	2.01E-07	9.18E-08	9.06E-08	0.00E+00	0.00E+00	4.18E-08	7.53E-09	4.78E-08	7.37E-09	7.01E-09	1.12E-07	1.19E-07	4.35E-08	5.92E-08	2.21E-08	1.19E-07	4.35E-08
4482	494863.1	3858377	3.51E-04	3.43E-04	3.38E-04	1.22E-07	3.67E-07	2.13E-07	2.07E-07	1.88E-07	8.58E-08	8.47E-08	0.00E+00	0.00E+00	3.91E-08	7.04E-09	4.47E-08	6.89E-09	6.56E-09	1.04E-07	1.11E-07	4.07E-08	5.54E-08	2.07E-08	1.11E-07	4.07E-08
4483	495363.1	3858377	3.27E-04	3.19E-04	3.14E-04	1.13E-07	3.41E-07	1.98E-07	1.93E-07	1.75E-07	7.97E-08	7.87E-08	0.00E+00	0.00E+00	3.63E-08	6.54E-09	4.15E-08	6.40E-09	6.09E-09	9.69E-08	1.03E-07	3.78E-08	5.14E-08	1.92E-08	1.03E-07	3.78E-08
4484	495863.1	3858377	3.18E-04	3.10E-04	3.06E-04	1.10E-07	3.32E-07	1.92E-07	1.88E-07	1.70E-07	7.76E-08	7.66E-08	0.00E+00	0.00E+00	3.54E-08	6.37E-09	4.04E-08	6.23E-09	5.93E-09	9.43E-08	1.00E-07	3.68E-08	5.01E-08	1.87E-08	1.00E-07	3.68E-08
4485	496363.1	3858377	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.82E-07	1.65E-07	7.55E-08	7.45E-08	0.00E+00	0.00E+00	3.44E-08	6.19E-09	3.93E-08	6.06E-09	5.77E-09	9.17E-08	9.76E-08	3.58E-08	4.87E-08	1.82E-08	9.76E-08	3.58E-08
4486	496863.1	3858377	3.12E-04	3.04E-04	3.00E-04	1.08E-07	3.26E-07	1.89E-07	1.84E-07	1.67E-07	7.61E-08	7.51E-08	0.00E+00	0.00E+00	3.47E-08	6.24E-09	3.96E-08	6.11E-09	5.81E-09	9.25E-08	9.83E-08	3.61E-08	4.91E-08	1.83E-08	9.83E-08	3.61E-08
4487	497363.1	3858377	3.09E-04	3.01E-04	2.97E-04	1.07E-07	3.23E-07	1.87E-07	1.82E-07	1.65E-07	7.54E-08	7.44E-08	0.00E+00	0.00E+00	3.44E-08	6.19E-09	3.93E-08	6.05E-09	5.76E-09	9.16E-08	9.74E-08	3.57E-08	4.86E-08	1.82E-08	9.74E-08	3.57E-08
4488	497863.1	3858377	3.22E-04	3.14E-04	3.10E-04	1.11E-07	3.36E-07	1.95E-07	1.90E-07	1.72E-07	7.86E-08	7.76E-08	0.00E+00	0.00E+00	3.58E-08	6.45E-09	4.09E-08	6.31E-09	6.01E-09	9.56E-08	1.02E-07	3.73E-08	5.07E-08	1.90E-08	1.02E-07	3.73E-08
4489	498363.1	3858377	3.41E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.32E-08	8.21E-08	0.00E+00	0.00E+00	3.79E-08	6.83E-09	4.33E-08	6.68E-09	6.36E-09	1.01E-07	1.08E-07	3.94E-08	5.37E-08	2.01E-08	1.08E-07	3.94E-08
4490	471363.1	3858877	9.71E-05	9.47E-05	9.35E-05	3.36E-08	1.01E-07	5.87E-08	5.73E-08	5.20E-08	2.37E-08	2.34E-08	0.00E+00	0.00E+00	1.08E-08	1.95E-09	1.23E-08	1.90E-09	1.81E-09	2.88E-08	3.06E-08	1.12E-08	1.53E-08	5.72E-09	3.06E-08	1.12E-08
4491	471863.1	3858877	9.83E-05	9.59E-05	9.47E-05	3.40E-08	1.03E-07	5.95E-08	5.81E-08	5.26E-08	2.40E-08	2.37E-08	0.00E+00	0.00E+00	1.09E-08	1.97E-09	1.25E-08	1.93E-09	1.83E-09	2.92E-08	3.10E-08	1.14E-08	1.55E-08	5.79E-09	3.10E-08	1.14E-08
4492	472363.1	3858877	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	0.00E+00	0.00E+00	1.13E-08	2.04E-09	1.29E-08	1.99E-09	1.90E-09	3.02E-08	3.21E-08	1.18E-08	1.60E-08	5.98E-09	3.21E-08	1.18E-08
4493	472863.1	3858877	1.04E-04	1.02E-04	1.00E-04	3.60E-08	1.09E-07	6.30E-08	6.15E-08	5.57E-08	2.54E-08	2.51E-08	0.00E+00	0.00E+00	1.16E-08	2.09E-09	1.32E-08	2.04E-09	1.94E-09	3.09E-08	3.29E-08	1.21E-08	1.64E-08	6.13E-09	3.29E-08	1.21E-08
4494	473363.1	3858877	1.08E-04	1.06E-04	1.04E-04	3.75E-08	1.13E-07	6.55E-08	6.39E-08	5.80E-08	2.64E-08	2.61E-08	0.00E+00	0.00E+00	1.21E-08	2.17E-09	1.38E-08	2.12E-09	2.02E-09	3.21E-08	3.42E-08	1.25E-08	1.71E-08	6.37E-09	3.42E-08	1.25E-08
4495	473863.1	3858877	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	0.00E+00	0.00E+00	1.21E-08	2.19E-09	1.39E-08	2.14E-09	2.04E-09	3.24E-08	3.44E-08	1.26E-08	1.72E-08	6.42E-09	3.44E-08	1.26E-08
4496	474363.1	3858877	1.05E-04	1.02E-04	1.01E-04	3.62E-08	1.09E-07	6.33E-08	6.17E-08	5.60E-08	2.55E-08	2.52E-08	0.00E+00	0.00E+00	1.16E-08	2.10E-09	1.33E-08	2.05E-09	1.95E-09	3.10E-08	3.30E-08	1.21E-08	1.65E-08	6.15E-09	3.30E-08	1.21E-08
4497	474863.1	3858877	8.26E-05	8.06E-05	7.95E-05	2.86E-08	8.63E-08	5.00E-08	4.87E-08	4.42E-08	2.02E-08	1.99E-08	0.00E+00	0.00E+00	9.19E-09	1.65E-09	1.05E-08	1.62E-09	1.54E-09	2.45E-08	2.61E-08	9.56E-09	1.30E-08	4.86E-09	2.61E-08	9.56E-09
4498	475363.1	3858877	7.68E-05	7.49E-05	7.39E-05	2.66E-08	8.02E-08	4.64E-08	4.53E-08	4.11E-08	1.87E-08	1.85E-08	0.00E+00	0.00E+00	8.54E-09	1.54E-09	9.76E-09	1.51E-09	1.43E-09	2.28E-08	2.42E-08	8.88E-09	1.21E-08	4.52E-09	2.42E-08	8.88E-09
4499	475863.1	3858877	8.01E-05	7.81E-05	7.71E-05	2.77E-08	8.37E-08	4.84E-08	4.73E-08	4.29E-08	1.96E-08	1.93E-08	0.00E+00	0.00E+00	8.91E-09	1.60E-09	1.02E-08	1.57E-09	1.49E-09	2.38E-08	2.53E-08	9.27E-09	1.26E-08	4.71E-09	2.53E-08	9.27E-09
4500	476363.1	3858877	7.18E-05	7.00E-05	6.91E-05	2.48E-08	7.50E-08	4.34E-08	4.24E-08	3.84E-08	1.75E-08	1.73E-08	0.00E+00	0.00E+00	7.99E-09	1.44E-09	9.13E-09	1.41E-09	1.34E-09	2.13E-08	2.27E-08	8.31E-09	1.13E-08	4.23E-09	2.27E-08	8.31E-09
4501	476863.1	3858877	7.76E-05	7.57E-05	7.47E-05	2.69E-08	8.11E-08	4.69E-08	4.58E-08	4.15E-08	1.89E-08	1.87E-08	0.00E+00	0.00E+00	8.64E-09	1.55E-09	9.87E-09	1.52E-09	1.45E-09	2.30E-08	2.45E-08	8.98E-09	1.22E-08	4.57E-09	2.45E-08	8.98E-09
4502	477363.1	3858877	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	0.00E+00	0.00E+00	8.87E-09	1.60E-09	1.01E-08	1.56E-09	1.49E-09	2.36E-08	2.51E-08	9.22E-09	1.25E-08	4.69E-09	2.51E-08	9.22E-09
4503	477863.1	3858877	8.55E-05	8.34E-05	8.23E-05	2.96E-08	8.93E-08	5.17E-08	5.05E-08	4.57E-08	2.09E-08	2.06E-08	0.00E+00	0.00E+00	9.51E-09	1.71E-09	1.09E-08	1.68E-09	1.59E-09	2.54E-08	2.70E-08	9.89E-09	1.35E-08	5.03E-09	2.70E-08	9.89E-09
4504	478363.1	3858877	1.06E-04	1.04E-04	1.02E-04	3.68E-08	1.11E-07	6.43E-08	6.27E-08	5.68E-08	2.59E-08	2.56E-08	0.00E+00	0.00E+00	1.18E-08	2.13E-09	1.35E-08	2.08E-09	1.98E-09	3.15E-08	3.35E-08	1.23E-08	1.67E-08	6.25E-09	3.35E-08	1.23E-08
4505	478863.1	3858877	1.04E-04	1.01E-04	9.99E-05	3.59E-08	1.08E-07	6.28E-08	6.12E-08	5.55E-08	2.53E-08	2.50E-08	0.00E+00	0.00E+00	1.15E-08	2.08E-09	1.32E-08	2.03E-09	1.94E-09	3.08E-08	3.27E-08	1.20E-08	1.63E-08	6.11E-09	3.27E-08	1.20E-08
4506	479363.1	3858877	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	0.00E+00	0.00E+00	1.14E-08	2.05E-09	1.30E-08	2.00E-09	1.90E-09	3.03E-08	3.22E-08	1.18E-08	1.61E-08	6.01E-09	3.22E-08	1.18E-08
4507	479863.1	3858877	1.61E-04	1.57E-04	1.55E-04	5.57E-08	1.68E-07	9.74E-08	9.50E-08	8.62E-08	3.93E-08	3.88E-08	0.00E+00	0.00E+00	1.79E-08	3.23E-09	2.05E-08	3.16E-09	3.00E-09	4.78E-08	5.08E-08	1.86E-08	2.54E-08	9.48E-09	5.08E-08	1.86E-08
4508	480363.1	3858877	1.73E-04	1.69E-04	1.67E-04	5.99E-08	1.81E-07	1.05E-07	1.02E-07	9.26E-08	4.23E-08	4.17E-08	0.00E+00	0.00E+00	1.93E-08	3.47E-09	2.20E-08	3.39E-09	3.23E-09	5.13E-08	5.46E-08	2.00E-08	2.73E-08	1.02E-08	5.46E-08	2.00E-08
4509	480863.1	3858877	1.83E-04	1.79E-04	1.77E-04	6.35E-08	1.92E-07	1.11E-07	1.08E-07	9.81E-08	4.48E-08	4.42E-08	0.00E+00	0.00E+00	2.04E-08	3.68E-09	2.33E-08	3.60E-09	3.42E-09	5.44E-08	5.79E-08	2.12E-08	2.89E-08	1.08E-08	5.79E-08	2.12E-08
4510	481363.1	3858877	1.93E-04	1.89E-04	1.86E-04	6.69E-08	2.02E-07	1.17E-07	1.14E-07	1.03E-07	4.72E-08	4.66E-08	0.00E+00	0.00E+00	2.15E-08	3.87E-09	2.46E-08	3.79E-09	3.61E-09	5.74E-08	6.10E-08	2.24E-08	3.05E-08	1.14E-08	6.10E-08	2.24E-08
4511	481863.1	3858877	2.05E-04	2.00E-04	1.97E-04	7.09E-08	2.14E-07	1.24E-07	1.21E-07	1.10E-07	5.01E-08	4.94E-08	0.00E+00	0.00E+00	2.28E-08	4.11E-09	2.61E-08	4.02E-09	3.82E-09	6.08E-08	6.47E-08	2.37E-08	3.23E-08	1.21E-08	6.47E-08	2.37E-08
4512	482363.1	3858877	2.18E-04	2.13E-04	2.10E-04	7.54E-08	2.28E-07	1.32E-07	1.29E-07	1.17E-07	5.32E-08	5.25E-08	0.00E+00	0.00E+00	2.42E-08	4.37E-09	2.77E-08	4.27E-09	4.06E-09	6.46E-08	6.87E-08	2.52E-08	3.43E-08	1.28E-08	6.87E-08	2.52E-08
4513	482863.1	3858877	2.33E-04	2.27E-04	2.24E-04	8.06E-08	2.43E-07	1.41E-07	1.37E-07	1.25E-07	5.68E-08	5.61E-08	0.00E+00	0.00E+00	2.59E-08	4.66E-09	2.96E-08	4.56E-09	4.34E-09	6.91E-08	7.35E-08	2.69E-08	3.67E-08	1.37E-08	7.35E-08	2.69E-08
4514	483363.1	3858877	2.62E-04	2.55E-04	2.52E-04	9.06E-08	2.74E-07	1.58E-07	1.55E-07	1.40E-07	6.39E-08	6.31E-08	0.00E+00	0.00E+00	2.91E-08	5.25E-09	3.33E-08	5.13E-09	4.88E-09	7.77E-08	8.26E-08	3.03E-08	4.12E-08	1.54E-08	8.26E-08	3.03E-08
4515	483863.1	3858877	2.77E-04	2.70E-04	2.67E-04	9.59E-08	2.90E-07	1.68E-07	1.64E-07	1.48E-07	6.77E-08	6.68E-08	0.00E+00	0.00E+00	3.08E-08	5.55E-09	3.52E-08	5.43E-09	5.17E-09	8.23E-08	8.75E-08	3.21E-08	4.37E-08	1.63E-08	8.75E-08	3.21E-08
4516	484363.1	3858877	2.96E-04	2.89E-04	2.85E-04	1.03E-07	3.10E-07	1.79E-07	1.75E-07	1.59E-07	7.23E-08	7.14E-08	0.00E+00	0.00E+00	3.30E-08	5.94E-09	3.77E-08	5.81E-09	5.53E-09	8.79E-08	9.35E-08	3.43E-08	4.67E-08	1.74E-08	9.35E-08	3.43E-08
4517	484863.1	3858877	3.20E-04	3.13E-04	3.08E-04	1.11E-07	3.35E-07	1.94E-07	1.89E-07	1.71E-07	7.82E-08	7.72E-08	0.00E+00	0.00E+00	3.57E-08	6.42E-09	4.07E-08	6.28E-09	5.98E-09	9.51E-08	1.01E-07	3.71E-08	5.05E-08	1.89E-08	1.01E-07	3.71E-08
4518	485363.1	3858877	3.57E-04	3.49E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.72E-08	8.61E-08	0.00E+00	0.00E+00	3.98E-08	7.16E-09	4.54E-08	7.01E-09	6.67E-09	1.06E-07	1.13E-07	4.14E-08	5.63E-08	2.10E-08	1.13E-07	4.14E-08
4519	485863.1	3858877	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.27E-07	2.47E-07	2.41E-07	2.19E-07	9.97E-08	9.84E-08	0.00E+00	0.00E+00	4.54E-08	8.18E-09	5.19E-08	8.01E-09	7.62E-09	1.21E-07	1.29E-07	4.73E-08	6.43E-08	2.40E-08	1.29E-07	4.73E-08
4520	486363.1	3858877	4.73E-04	4.62E-04	4.56E-04	1.64E-07	4.95E-07	2.86E-07	2.79E-07	2.53E-07	1.16E-07	1.14E-07	0.00E+00	0.00E+00	5.27E-08	9.49E-09	6.02E-08	9.28E-09	8.83E-09	1.40E-07	1.49E-07	5.48E-08	7.46E-08	2.79E-08	1.49E-07	5.48E-08
4521	486863.1	3858877	5.70E-04	5.57E-04	5.49E-04	1.97E-07	5.96E-07	3.45E-07	3.37E-07	3.05E-07	1.39E-07	1.37E-07	0.00E+00	0.00E+00	6.35E-08	1.14E-08	7.25E-08	1.12E-08	1.06E-08	1.69E-07	1.80E-07	6.60E-08	8.99E-08	3.36E-08	1.80E-07	6.60E-08
4522	487363.1	3858877	7.40E-04	7.22E-04	7.12E-04	2.56E-07	7.73E-07	4.48E-07	4.37E-07	3.96E-07	1.81E-07	1.78E-07	0.00E+00	0.00E+00	8.23E-08	1.48E-08	9.41E-08	1.45E-08	1.38E-08	2.20E-07	2.33E-07	8.56E-08	1.17E-07	4.35E-08	2.33E-07	8.56E-08
4523	487863.1	3858877	1.07E-03	1.04E-03	1.03E-03	3.70E-07	1.12E-06	6.47E-07	6.31E-07	5.72E-07	2.61E-07	2.58E-07	0.00E+00	0.00E+00	1.19E-07	2.14E-08	1.36E-07	2.10E-08	1.99E-08	3.17E-07	3.37E-07	1.24E-07	1.68E-07	6.29E-08	3.37E-07	1.24E-07
4524	488363.1	3858877	2.27E-03	2.22E-03	2.19E-03	7.87E-07	2.38E-06	1.38E-06	1.34E-06	1.22E-06	5.55E-07	5.48E-07	0.00E+00	0.00E+00	2.53E-07	4.56E-08	2.89E-07	4.46E-08	4.24E-08	6.75E-07	7.18E-07	2.63E-07	3.58E-07	1.34E-07	7.18E-07	2.63E-07
4525	488863.1	3858877	2.42E-02	2.36E-02	2.33E-02	8.37E-06	2.53E-05	1.46E-05	1.43E-05	1.29E-05	5.90E-06	5.82E-06	0.00E+00	0.00E+00	2.69E-06	4.84E-07	3.07E-06	4.74E-07	4.51E-07	7.17E-06	7.63E-06	2.80E-06	3.81E-06	1.42E-06	7.63E-06	2.80E-06
4526	489363.1	3858877	4.56E-03	4.45E-03	4.39E-03	1.58E-06	4.76E-06	2.76E-06	2.69E-06	2.44E-06	1.11E-06	1.10E-06	0.00E+00	0.00E+00	5.07E-07	9.13E-08	5.79E-07	8.94E-08	8.50E-08	1.35E-06	1.44E-06	5.27E-07	7.18E-07	2.68E-07	1.44E-06	5.27E-07
4527	489863.1	3858877	2.56E-03	2.49E-03	2.46E-03	8.85E-07	2.67E-06	1.55E-06	1.51E-06	1.37E-06	6.24E-07	6.16E-07	0.00E+00	0.00E+00	2.85E-07	5.12E-08	3.25E-07	5.01E-08	4.77E-08	7.59E-07	8.07E-07	2.96E-07	4.03E-07	1.50E-07	8.07E-07	2.96E-07
4528	490363.1	3858877	1.77E-03	1.73E-03	1.70E-03	6.13E-07	1.85E-06	1.07E-06	1.05E-06	9.48E-07	4.32E-07	4.27E-07	0.00E+00	0.00E+00	1.97E-07	3.55E-08	2.25E-07	3.47E-08	3.30E-08	5.25E-07	5.59E-07	2.05E-07	2.79E-07	1.04E-07	5.59E-07	2.05E-07
4529	490863.1	3858877	1.26E-03	1.23E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.42E-07	6.73E-07	3.07E-07	3.03E-07	0.00E+00	0.00E+00	1.40E-07	2.52E-08	1.60E-07	2.47E-08	2.35E-08	3.73E-07	3.97E-07	1.46E-07	1.98E-07	7.40E-08	3.97E-07	1.46E-07
4530	491363.1	3858877	9.02E-04	8.80E-04	8.68E-04	3.12E-07	9.42E-07	5.45E-07	5.32E-07	4.83E-07	2.20E-07	2.17E-07	0.00E+00	0.00E+00	1.00E-07	1.81E-08	1.15E-07	1.77E-08	1.68E-08	2.68E-07	2.85E-07	1.04E-07	1.42E-07	5.31E-08	2.85E-07	1.04E-07
4531	491863.1	3858877	6.86E-04	6.70E-04	6.61E-04	2.38E-07	7.17E-07	4.15E-07	4.05E-07	3.67E-07	1.68E-07	1.65E-07	0.00E+00	0.00E+00	7.64E-08	1.38E-08	8.73E-08	1.35E-08	1.28E-08	2.04E-07	2.17E-07	7.94E-08	1.08E-07	4.04E-08	2.17E-07	7.94E-08
4532	492363.1	3858877	6.72E-04	6.55E-04	6.47E-04	2.33E-07	7.02E-07	4.06E-07	3.97E-07	3.60E-07	1.64E-07	1.62E-07	0.00E+00	0.00E+00	7.48E-08	1.35E-08	8.54E-08	1.32E-08	1.25E-08	1.99E-07	2.12E-07	7.78E-08	1.06E-07	3.95E-08	2.12E-07	7.78E-08
4533	492863.1	3858877	6.82E-04	6.66E-04	6.57E-04	2.36E-07	7.13E-07	4.13E-07	4.03E-07	3.65E-07	1.67E-07	1.64E-07	0.00E+00	0.00E+00	7.59E-08	1.37E-08	8.67E-08	1.34E-08	1.27E-08	2.02E-07	2.15E-07	7.90E-08	1.07E-07	4.02E-08	2.15E-07	7.90E-08
4534	493363.1	3858877	6.04E-04	5.89E-04	5.82E-04	2.09E-07	6.31E-07	3.65E-07	3.57E-07	3.23E-07	1.48E-07	1.46E-07	0.00E+00	0.00E+00	6.72E-08	1.21E-08	7.68E-08	1.18E-08	1.13E-08	1.79E-07	1.91E-07	6.99E-08	9.52E-08	3.56E-08	1.91E-07	6.99E-08
4535	493863.1	3858877	5.17E-04	5.04E-04	4.98E-04	1.79E-07	5.40E-07	3.13E-07	3.05E-07	2.77E-07	1.26E-07	1.25E-07	0.00E+00	0.00E+00	5.75E-08	1.04E-08	6.57E-08	1.01E-08	9.65E-09	1.53E-07	1.63E-07	5.98E-08	8.14E-08	3.04E-08	1.63E-07	5.98E-08
4536	494363.1	3858877	4.73E-04	4.61E-04	4.55E-04	1.64E-07	4.94E-07	2.86E-07	2.79E-07	2.53E-07	1.15E-07	1.14E-07	0.00E+00	0.00E+00	5.26E-08	9.47E-09	6.01E-08	9.27E-09	8.82E-09	1.40E-07	1.49E-07	5.47E-08	7.44E-08	2.78E-08	1.49E-07	5.47E-08

4537	494863.1	3858877	4.30E-04	4.20E-04	4.14E-04	1.49E-07	4.50E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.79E-08	8.62E-09	5.47E-08	8.44E-09	8.03E-09	1.28E-07	1.36E-07	4.98E-08	6.78E-08	2.53E-08	1.36E-07	4.98E-08
4538	495363.1	3858877	3.95E-04	3.86E-04	3.81E-04	1.37E-07	4.13E-07	2.39E-07	2.33E-07	2.12E-07	9.66E-08	9.53E-08	0.00E+00	0.00E+00	4.40E-08	7.92E-09	5.03E-08	7.75E-09	7.38E-09	1.17E-07	1.25E-07	4.58E-08	6.23E-08	2.33E-08	1.25E-07	4.58E-08
4539	495863.1	3858877	3.75E-04	3.66E-04	3.61E-04	1.30E-07	3.92E-07	2.27E-07	2.21E-07	2.01E-07	9.15E-08	9.03E-08	0.00E+00	0.00E+00	4.17E-08	7.51E-09	4.76E-08	7.35E-09	6.99E-09	1.11E-07	1.18E-07	4.34E-08	5.90E-08	2.21E-08	1.18E-07	4.34E-08
4540	496363.1	3858877	3.63E-04	3.55E-04	3.50E-04	1.26E-07	3.80E-07	2.20E-07	2.15E-07	1.95E-07	8.88E-08	8.76E-08	0.00E+00	0.00E+00	4.05E-08	7.28E-09	4.62E-08	7.13E-09	6.78E-09	1.08E-07	1.15E-07	4.21E-08	5.73E-08	2.14E-08	1.15E-07	4.21E-08
4541	496863.1	3858877	3.54E-04	3.46E-04	3.41E-04	1.23E-07	3.70E-07	2.14E-07	2.09E-07	1.90E-07	8.65E-08	8.54E-08	0.00E+00	0.00E+00	3.94E-08	7.10E-09	4.51E-08	6.95E-09	6.61E-09	1.05E-07	1.12E-07	4.10E-08	5.58E-08	2.09E-08	1.12E-07	4.10E-08
4542	497363.1	3858877	3.46E-04	3.38E-04	3.34E-04	1.20E-07	3.62E-07	2.10E-07	2.05E-07	1.85E-07	8.46E-08	8.35E-08	0.00E+00	0.00E+00	3.86E-08	6.94E-09	4.41E-08	6.79E-09	6.46E-09	1.03E-07	1.09E-07	4.01E-08	5.46E-08	2.04E-08	1.09E-07	4.01E-08
4543	497863.1	3858877	3.62E-04	3.53E-04	3.49E-04	1.25E-07	3.79E-07	2.19E-07	2.14E-07	1.94E-07	8.85E-08	8.73E-08	0.00E+00	0.00E+00	4.03E-08	7.26E-09	4.61E-08	7.10E-09	6.76E-09	1.07E-07	1.14E-07	4.19E-08	5.71E-08	2.13E-08	1.14E-07	4.19E-08
4544	498363.1	3858877	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.28E-08	9.16E-08	0.00E+00	0.00E+00	4.23E-08	7.62E-09	4.83E-08	7.45E-09	7.09E-09	1.13E-07	1.20E-07	4.40E-08	5.99E-08	2.24E-08	1.20E-07	4.40E-08
4545	471363.1	3859377	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	0.00E+00	0.00E+00	1.05E-08	1.89E-09	1.20E-08	1.85E-09	1.76E-09	2.80E-08	2.97E-08	1.09E-08	1.48E-08	5.54E-09	2.97E-08	1.09E-08
4546	471863.1	3859377	9.67E-05	9.43E-05	9.31E-05	3.35E-08	1.01E-07	5.85E-08	5.71E-08	5.17E-08	2.36E-08	2.33E-08	0.00E+00	0.00E+00	1.08E-08	1.94E-09	1.23E-08	1.90E-09	1.80E-09	2.87E-08	3.05E-08	1.12E-08	1.52E-08	5.69E-09	3.05E-08	1.12E-08
4547	472363.1	3859377	9.92E-05	9.68E-05	9.55E-05	3.43E-08	1.04E-07	6.00E-08	5.85E-08	5.31E-08	2.42E-08	2.39E-08	0.00E+00	0.00E+00	1.10E-08	1.99E-09	1.26E-08	1.94E-09	1.85E-09	2.94E-08	3.13E-08	1.15E-08	1.56E-08	5.84E-09	3.13E-08	1.15E-08
4548	472863.1	3859377	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	0.00E+00	0.00E+00	1.14E-08	2.05E-09	1.30E-08	2.00E-09	1.90E-09	3.03E-08	3.22E-08	1.18E-08	1.61E-08	6.01E-09	3.22E-08	1.18E-08
4549	473363.1	3859377	1.05E-04	1.02E-04	1.01E-04	3.63E-08	1.10E-07	6.35E-08	6.20E-08	5.62E-08	2.56E-08	2.53E-08	0.00E+00	0.00E+00	1.17E-08	2.10E-09	1.33E-08	2.06E-09	1.96E-09	3.12E-08	3.31E-08	1.22E-08	1.65E-08	6.18E-09	3.31E-08	1.22E-08
4550	473863.1	3859377	1.07E-04	1.04E-04	1.03E-04	3.69E-08	1.11E-07	6.45E-08	6.30E-08	5.71E-08	2.60E-08	2.57E-08	0.00E+00	0.00E+00	1.19E-08	2.14E-09	1.36E-08	2.09E-09	1.99E-09	3.16E-08	3.37E-08	1.23E-08	1.68E-08	6.28E-09	3.37E-08	1.23E-08
4551	474363.1	3859377	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	0.00E+00	0.00E+00	1.14E-08	2.05E-09	1.30E-08	2.00E-09	1.90E-09	3.03E-08	3.22E-08	1.18E-08	1.61E-08	6.01E-09	3.22E-08	1.18E-08
4552	474863.1	3859377	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.17E-08	1.81E-09	1.72E-09	2.73E-08	2.91E-08	1.07E-08	1.45E-08	5.42E-09	2.91E-08	1.07E-08
4553	475363.1	3859377	8.09E-05	7.89E-05	7.79E-05	2.80E-08	8.46E-08	4.90E-08	4.78E-08	4.33E-08	1.98E-08	1.95E-08	0.00E+00	0.00E+00	9.01E-09	1.62E-09	1.03E-08	1.59E-09	1.51E-09	2.40E-08	2.55E-08	9.37E-09	1.27E-08	4.76E-09	2.55E-08	9.37E-09
4554	475863.1	3859377	7.26E-05	7.08E-05	6.99E-05	2.51E-08	7.59E-08	4.39E-08	4.29E-08	3.89E-08	1.77E-08	1.75E-08	0.00E+00	0.00E+00	8.08E-09	1.46E-09	9.23E-09	1.42E-09	1.35E-09	2.15E-08	2.29E-08	8.40E-09	1.14E-08	4.27E-09	2.29E-08	8.40E-09
4555	476363.1	3859377	7.14E-05	6.96E-05	6.87E-05	2.47E-08	7.46E-08	4.32E-08	4.21E-08	3.82E-08	1.74E-08	1.72E-08	0.00E+00	0.00E+00	7.94E-09	1.43E-09	9.07E-09	1.40E-09	1.33E-09	2.12E-08	2.25E-08	8.26E-09	1.12E-08	4.20E-09	2.25E-08	8.26E-09
4556	476863.1	3859377	6.85E-05	6.68E-05	6.59E-05	2.37E-08	7.15E-08	4.14E-08	4.04E-08	3.66E-08	1.67E-08	1.65E-08	0.00E+00	0.00E+00	7.62E-09	1.37E-09	8.71E-09	1.34E-09	1.28E-09	2.03E-08	2.16E-08	7.92E-09	1.08E-08	4.03E-09	2.16E-08	7.92E-09
4557	477363.1	3859377	7.14E-05	6.96E-05	6.87E-05	2.47E-08	7.46E-08	4.32E-08	4.21E-08	3.82E-08	1.74E-08	1.72E-08	0.00E+00	0.00E+00	7.94E-09	1.43E-09	9.07E-09	1.40E-09	1.33E-09	2.12E-08	2.25E-08	8.26E-09	1.12E-08	4.20E-09	2.25E-08	8.26E-09
4558	477863.1	3859377	8.38E-05	8.18E-05	8.07E-05	2.90E-08	8.76E-08	5.07E-08	4.95E-08	4.49E-08	2.05E-08	2.02E-08	0.00E+00	0.00E+00	9.33E-09	1.68E-09	1.07E-08	1.64E-09	1.56E-09	2.49E-08	2.65E-08	9.70E-09	1.32E-08	4.93E-09	2.65E-08	9.70E-09
4559	478363.1	3859377	9.67E-05	9.43E-05	9.31E-05	3.35E-08	1.01E-07	5.85E-08	5.71E-08	5.17E-08	2.36E-08	2.33E-08	0.00E+00	0.00E+00	1.08E-08	1.94E-09	1.23E-08	1.90E-09	1.80E-09	2.87E-08	3.05E-08	1.12E-08	1.52E-08	5.69E-09	3.05E-08	1.12E-08
4560	478863.1	3859377	1.14E-04	1.11E-04	1.10E-04	3.95E-08	1.19E-07	6.90E-08	6.74E-08	6.11E-08	2.79E-08	2.75E-08	0.00E+00	0.00E+00	1.27E-08	2.29E-09	1.45E-08	2.24E-09	2.13E-09	3.39E-08	3.60E-08	1.32E-08	1.80E-08	6.72E-09	3.60E-08	1.32E-08
4561	479363.1	3859377	1.31E-04	1.28E-04	1.26E-04	4.54E-08	1.37E-07	7.93E-08	7.74E-08	7.02E-08	3.20E-08	3.16E-08	0.00E+00	0.00E+00	1.46E-08	2.63E-09	1.67E-08	2.57E-09	2.45E-09	3.89E-08	4.14E-08	1.52E-08	2.07E-08	7.72E-09	4.14E-08	1.52E-08
4562	479863.1	3859377	1.46E-04	1.42E-04	1.40E-04	5.04E-08	1.52E-07	8.81E-08	8.60E-08	7.79E-08	3.56E-08	3.51E-08	0.00E+00	0.00E+00	1.62E-08	2.92E-09	1.85E-08	2.86E-09	2.72E-09	4.32E-08	4.60E-08	1.69E-08	2.29E-08	8.57E-09	4.60E-08	1.69E-08
4563	480363.1	3859377	1.59E-04	1.55E-04	1.53E-04	5.51E-08	1.67E-07	9.64E-08	9.41E-08	8.53E-08	3.89E-08	3.84E-08	0.00E+00	0.00E+00	1.77E-08	3.19E-09	2.03E-08	3.12E-09	2.97E-09	4.73E-08	5.03E-08	1.84E-08	2.51E-08	9.38E-09	5.03E-08	1.84E-08
4564	480863.1	3859377	1.70E-04	1.66E-04	1.64E-04	5.89E-08	1.78E-07	1.03E-07	1.00E-07	9.10E-08	4.15E-08	4.10E-08	0.00E+00	0.00E+00	1.89E-08	3.41E-09	2.16E-08	3.34E-09	3.17E-09	5.05E-08	5.37E-08	1.97E-08	2.68E-08	1.00E-08	5.37E-08	1.97E-08
4565	481363.1	3859377	1.79E-04	1.75E-04	1.73E-04	6.20E-08	1.87E-07	1.08E-07	1.06E-07	9.59E-08	4.38E-08	4.32E-08	0.00E+00	0.00E+00	2.00E-08	3.59E-09	2.28E-08	3.51E-09	3.34E-09	5.32E-08	5.66E-08	2.07E-08	2.82E-08	1.06E-08	5.66E-08	2.07E-08
4566	481863.1	3859377	1.88E-04	1.84E-04	1.81E-04	6.52E-08	1.97E-07	1.14E-07	1.11E-07	1.01E-07	4.60E-08	4.54E-08	0.00E+00	0.00E+00	2.10E-08	3.77E-09	2.40E-08	3.69E-09	3.51E-09	5.59E-08	5.94E-08	2.18E-08	2.97E-08	1.11E-08	5.94E-08	2.18E-08
4567	482363.1	3859377	1.99E-04	1.94E-04	1.92E-04	6.89E-08	2.08E-07	1.20E-07	1.18E-07	1.07E-07	4.86E-08	4.80E-08	0.00E+00	0.00E+00	2.22E-08	3.99E-09	2.53E-08	3.91E-09	3.72E-09	5.91E-08	6.29E-08	2.31E-08	3.14E-08	1.17E-08	6.29E-08	2.31E-08
4568	482863.1	3859377	2.11E-04	2.06E-04	2.03E-04	7.31E-08	2.21E-07	1.28E-07	1.25E-07	1.13E-07	5.16E-08	5.09E-08	0.00E+00	0.00E+00	2.35E-08	4.23E-09	2.69E-08	4.14E-09	3.94E-09	6.27E-08	6.66E-08	2.44E-08	3.33E-08	1.24E-08	6.66E-08	2.44E-08
4569	483363.1	3859377	2.30E-04	2.25E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.36E-07	1.23E-07	5.62E-08	5.55E-08	0.00E+00	0.00E+00	2.56E-08	4.61E-09	2.93E-08	4.52E-09	4.30E-09	6.83E-08	7.27E-08	2.67E-08	3.63E-08	1.36E-08	7.27E-08	2.67E-08
4570	483863.1	3859377	2.47E-04	2.41E-04	2.38E-04	8.55E-08	2.58E-07	1.49E-07	1.46E-07	1.32E-07	6.03E-08	5.95E-08	0.00E+00	0.00E+00	2.75E-08	4.95E-09	3.14E-08	4.84E-09	4.61E-09	7.33E-08	7.79E-08	2.86E-08	3.89E-08	1.45E-08	7.79E-08	2.86E-08
4571	484363.1	3859377	2.67E-04	2.60E-04	2.57E-04	9.23E-08	2.79E-07	1.61E-07	1.58E-07	1.43E-07	6.51E-08	6.43E-08	0.00E+00	0.00E+00	2.97E-08	5.35E-09	3.39E-08	5.23E-09	4.98E-09	7.92E-08	8.42E-08	3.09E-08	4.20E-08	1.57E-08	8.42E-08	3.09E-08
4572	484863.1	3859377	2.89E-04	2.82E-04	2.78E-04	1.00E-07	3.02E-07	1.75E-07	1.71E-07	1.55E-07	7.06E-08	6.97E-08	0.00E+00	0.00E+00	3.22E-08	5.80E-09	3.68E-08	5.67E-09	5.40E-09	8.58E-08	9.13E-08	3.35E-08	4.56E-08	1.70E-08	9.13E-08	3.35E-08
4573	485363.1	3859377	3.17E-04	3.10E-04	3.06E-04	1.10E-07	3.32E-07	1.92E-07	1.87E-07	1.70E-07	7.75E-08	7.65E-08	0.00E+00	0.00E+00	3.53E-08	6.36E-09	4.04E-08	6.22E-09	5.92E-09	9.42E-08	1.00E-07	3.67E-08	5.00E-08	1.87E-08	1.00E-07	3.67E-08
4574	485863.1	3859377	3.51E-04	3.42E-04	3.38E-04	1.21E-07	3.66E-07	2.12E-07	2.07E-07	1.88E-07	8.56E-08	8.45E-08	0.00E+00	0.00E+00	3.90E-08	7.03E-09	4.46E-08	6.88E-09	6.54E-09	1.04E-07	1.11E-07	4.06E-08	5.52E-08	2.06E-08	1.11E-07	4.06E-08
4575	486363.1	3859377	3.89E-04	3.79E-04	3.74E-04	1.35E-07	4.06E-07	2.35E-07	2.30E-07	2.08E-07	9.49E-08	9.37E-08	0.00E+00	0.00E+00	4.33E-08	7.79E-09	4.94E-08	7.62E-09	7.25E-09	1.15E-07	1.23E-07	4.50E-08	6.12E-08	2.29E-08	1.23E-07	4.50E-08
4576	486863.1	3859377	4.38E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.34E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.88E-08	8.78E-09	5.57E-08	8.59E-09	8.17E-09	1.30E-07	1.38E-07	5.07E-08	6.90E-08	2.58E-08	1.38E-07	5.07E-08
4577	487363.1	3859377	5.12E-04	4.99E-04	4.93E-04	1.77E-07	5.35E-07	3.10E-07	3.02E-07	2.74E-07	1.25E-07	1.23E-07	0.00E+00	0.00E+00	5.69E-08	1.03E-08	6.51E-08	1.00E-08	9.55E-09	1.52E-07	1.61E-07	5.92E-08	8.06E-08	3.01E-08	1.61E-07	5.92E-08
4578	487863.1	3859377	6.32E-04	6.17E-04	6.08E-04	2.19E-07	6.60E-07	3.82E-07	3.73E-07	3.38E-07	1.54E-07	1.52E-07	0.00E+00	0.00E+00	7.03E-08	1.27E-08	8.04E-08	1.24E-08	1.18E-08	1.88E-07	1.99E-07	7.31E-08	9.95E-08	3.72E-08	1.99E-07	7.31E-08
4579	488363.1	3859377	8.45E-04	8.25E-04	8.14E-04	2.93E-07	8.83E-07	5.11E-07	4.99E-07	4.52E-07	2.06E-07	2.04E-07	0.00E+00	0.00E+00	9.41E-08	1.69E-08	1.07E-07	1.66E-08	1.58E-08	2.51E-07	2.67E-07	9.78E-08	1.33E-07	4.97E-08	2.67E-07	9.78E-08
4580	488863.1	3859377	1.34E-03	1.31E-03	1.29E-03	4.65E-07	1.41E-06	8.14E-07	7.94E-07	7.20E-07	3.28E-07	3.24E-07	0.00E+00	0.00E+00	1.50E-07	2.69E-08	1.71E-07	2.64E-08	2.51E-08	3.99E-07	4.24E-07	1.56E-07	2.12E-07	7.92E-08	4.24E-07	1.56E-07
4581	489363.1	3859377	3.70E-03	3.61E-03	3.56E-03	1.28E-06	3.87E-06	2.24E-06	2.19E-06	1.98E-06	9.04E-07	8.92E-07	0.00E+00	0.00E+00	4.12E-07	7.42E-08	4.71E-07	7.26E-08	6.91E-08	1.10E-06	1.17E-06	4.28E-07	5.83E-07	2.18E-07	1.17E-06	4.28E-07
4582	489863.1	3859377	1.24E-02	1.21E-02	1.20E-02	4.31E-06	1.30E-05	7.53E-06	7.35E-06	6.66E-06	3.04E-06	3.00E-06	0.00E+00	0.00E+00	1.39E-06	2.49E-07	1.58E-06	2.44E-07	2.32E-07	3.69E-06	3.93E-06	1.44E-06	1.96E-06	7.33E-07	3.93E-06	1.44E-06
4583	490363.1	3859377	3.92E-03	3.83E-03	3.77E-03	1.36E-06	4.10E-06	2.37E-06	2.31E-06	2.10E-06	9.57E-07	9.45E-07	0.00E+00	0.00E+00	4.36E-07	7.86E-08	4.99E-07	7.69E-08	7.31E-08	1.16E-06	1.24E-06	4.54E-07	6.18E-07	2.31E-07	1.24E-06	4.54E-07
4584	490863.1	3859377	2.14E-03	2.09E-03	2.06E-03	7.41E-07	2.24E-06	1.29E-06	1.26E-06	1.15E-06	5.23E-07	5.16E-07	0.00E+00	0.00E+00	2.38E-07	4.29E-08	2.72E-07	4.20E-08	3.99E-08	6.35E-07	6.75E-07	2.48E-07	3.37E-07	1.26E-07	6.75E-07	2.48E-07
4585	491363.1	3859377	1.27E-03	1.24E-03	1.22E-03	4.40E-07	1.33E-06	7.70E-07	7.51E-07	6.81E-07	3.11E-07	3.07E-07	0.00E+00	0.00E+00	1.42E-07	2.55E-08	1.62E-07	2.49E-08	2.37E-08	3.78E-07	4.01E-07	1.47E-07	2.00E-07	7.49E-08	4.01E-07	1.47E-07
4586	491863.1	3859377	1.19E-03	1.17E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.05E-07	6.39E-07	2.92E-07	2.88E-07	0.00E+00	0.00E+00	1.33E-07	2.39E-08	1.52E-07	2.34E-08	2.23E-08	3.54E-07	3.77E-07	1.38E-07	1.88E-07	7.03E-08	3.77E-07	1.38E-07
4587	492363.1	3859377	1.02E-03	9.92E-04	9.79E-04	3.52E-07	1.06E-06	6.15E-07	6.00E-07	5.44E-07	2.48E-07	2.45E-07	0.00E+00	0.00E+00	1.13E-07	2.04E-08	1.29E-07	1.99E-08	1.90E-08	3.02E-07	3.21E-07	1.18E-07	1.60E-07	5.98E-08	3.21E-07	1.18E-07
4588	492863.1	3859377	9.08E-04	8.86E-04	8.74E-04	3.14E-07	9.49E-07	5.49E-07	5.36E-07	4.86E-07	2.22E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.82E-08	1.15E-07	1.78E-08	1.69E-08	2.69E-07	2.87E-07	1.05E-07	1.43E-07	5.34E-08	2.87E-07	1.05E-07
4589	493363.1	3859377	7.63E-04	7.45E-04	7.35E-04	2.64E-07	7.97E-07	4.62E-07	4.50E-07	4.08E-07	1.86E-07	1.84E-07	0.00E+00	0.00E+00	8.49E-08	1.53E-08	9.70E-08	1.50E-08	1.42E-08	2.26E-07	2.41E-07	8.83E-08	1.20E-07	4.49E-08	2.41E-07	8.83E-08
4590	493863.1	3859377	6.91E-04	6.74E-04	6.66E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.67E-07	0.00E+00	0.00E+00	7.69E-08	1.39E-08	8.79E-08	1.36E-08	1.29E-08	2.05E-07	2.18E-07	8.00E-08	1.09E-07	4.07E-08	2.18E-07	8.00E-08
4591	494363.1	3859377	6.19E-04	6.04E-04	5.96E-04	2.14E-07	6.47E-07	3.75E-07	3.65E-07	3.31E-07	1.51E-07	1.49E-07	0.00E+00	0.00E+00	6.89E-08	1.24E-08	7.87E-08	1.21E-08	1.16E-08	1.84E-07	1.95E-07	7.17E-08	9.75E-08	3.64E-08	1.95E-07	7.17E-08
4592	494863.1	3859377	5.32E-04	5.19E-04	5.12E-04	1.84E-07	5.56E-07	3.22E-07	3.14E-07	2.85E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.92E-08	1.07E-08	6.76E-08	1.04E-08	9.92E-09	1.58E-07	1.68E-07	6.16E-08	8.38E-08	3.13E-08	1.68E-07	6.16E-08
4593	495363.1	3859377	4.95E-04	4.83E-04	4.77E-04	1.71E-07	5.17E-07	2.99E-07	2.92E-07	2.65E-07	1.21E-07	1.19E-07	0.00E+00	0.00E+00	5.51E-08	9.92E-09	6.29E-08	9.71E-09	9.24E-09	1.47E-07	1.56E-07	5.73E-08	7.80E-08	2.91E-08	1.56E-07	5.73E-08
4594	495863.1	3859377	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	0.00E+00	0.00E+00	5.07E-08	9.12E-09	5.79E-08	8.93E-09	8.49E-09	1.35E-07	1.44E-07	5.27E-08	7.17E-08	2.68E-08	1.44E-07	5.27E-08
4595	496363.1	3859377	4.39E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.88E-08	8.79E-09	5.58E-08	8.60E-09	8.18E-09	1.30E-07	1.38E-07	5.08E-08	6.91E-08	2.58E-08	1.38E-07	5.08E-08
4596	496863.1	3859377	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.45E-07	2.39E-07	2.16E-07	9.87E-08	9.74E-08	0.00E+00	0.00E+00	4.50E-08	8.10E-09	5.14E-08	7.92E-09	7.54E-09	1.20E-07	1.28E-07	4.68E-08	6.37E-08	2.38E-08	1.28E-07	4.68E-08
4597	497363.1	3859377	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.45E-07	2.39E-07	2.16E-07	9.87E-08	9.74E-08	0.00E+00	0.00E+00	4.50E-08	8.10E-09	5.14E-08	7.92E-09	7.54E-09	1.20E-07	1.28E-07	4.68E-08	6.37E-08	2.38E-08	1.28E-07	4.68E-08
4598	497863.1	3859377	4.19E-04	4.09E-04	4.03E-04	1.45E-07	4.38E-07	2.54E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	0.00E+00	0.00E+00	4.66E-08	8.40E-09	5.33E-08	8.22E-09	7.82E-09	1.24E-07	1.32E-07	4.85E-08	6.60E-08	2.47E-08	1.32E-07	4.85E-08
4599	498363.1	3859377	4.33E-04	4.22E-04	4.17E-04	1.50E-07	4.52E-07	2.62E-07	2.55E-07	2.32E-07	1.06E-07	1.04E-07	0.00E+00	0.00E+00	4.82E-08	8.67E-09	5.50E-08	8.49E-09	8.07E-09	1.28E-07	1.37E-07	5.01E-08	6.82E-08	2.55E-08	1.37E-07	5.01E-08
4600	471363.1	3859877	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.17E-08	1.81E-09	1.72E-09	2.73E-08	2.91E-08	1.07E-08	1.45E-08	5.42E-09	2.91E-08	1.07E-08
4601	471863.1	3859877	9.46E-05	9.23E-05	9.11E-05	3.27E-08	9.89E-08	5.72E-08	5.59E-08	5.06E-08	2.31E-08	2.28E-08	0.00E+00	0.00E+00	1.05E-08	1.90E-09	1.20E-08	1.86E-09	1.77E-09	2.81E-08	2.99E-08	1.09E-08	1.49E-08	5.57E-09	2.99E-08	1.09E-08
4602	472363.1	3859877	9.63E-05	9.39E-05	9.27E-05	3.33E-08	1.01E-07	5.82E-08	5.68E-08	5.15E-08	2.35E-08	2.32E-08	0.00E+00	0.00E+00	1.07E-08	1.93E-09	1.22E-08	1.89E-09	1.80E-09	2.86E-08	3.04E-08	1.11E-08	1.52E-08	5.67E-09	3.04E-08	1.11E-08
4603	472863.1	3859877	9.92E-05	9.68E-05	9.55E-05	3.43E-08	1.04E-07	6.00E-08	5.85E-08	5.31E-08	2.42E-08	2.39E-08	0.00E+00	0.00E+00	1.10E-08	1.99E-09	1.26E-08	1.94E-09	1.85E-09	2.94E-08	3.13E-08	1.15E-08	1.56E-08	5.84E-09	3.13E-08	1.15E-08
4604	473363.1	3859877	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	0.00E+00	0.00E+00	1.13E-08	2.04E-09	1.29E-08	1.99E-09	1.90E-09	3.02E-08	3.21E-08	1.18E-08	1.60E-08	5.98E-09	3.21E-08	1.18E-08
4605	473863.1	3859877	1.04E-04	1.02E-04	1.00E-04	3.60E-08	1.09E-07	6.30E-08	6.15E-08	5.57E-08	2.54E-08	2.51E-08	0.00E+00	0.00E+00	1.16E-08	2.09E-09	1.32E-08	2.04E-09	1.94E-09	3.09E-08	3.29E-08	1.21E-08	1.64E-08	6.13E-09	3.29E-08	1.21E-08
4606	474363.1	3859877	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	0.00E+00	0.00E+00	1.13E-08	2.03E-09	1.29E-08	1.99E-09	1.89E-09	3.00E-08	3.19E-08	1.17E-08	1.59E-08	5.96E-09	3.19E-08	1.17E-08
4607	474863.1	3859877	9.54E-05	9.31E-05	9.19E-05	3.30E-08	9.97E-08	5.77E-08	5.63E-08	5.11E-08	2.33E-08	2.30E-08	0.00E+00	0.00E+00	1.06E-08	1.91E-09	1.21E-08	1.87E-09	1.78E-09	2.83E-08	3.01E-08	1.10E-08	1.50E-08	5.62E-09	3.01E-08	1.10E-08
4608	475363.1	3859877	8.26E-05	8.06E-05	7.95E-05	2.86E-08	8.63E-08	5.00E-08	4.87E-08	4.42E-08	2.02E-08	1.99E-08	0.00E+00	0.00E+00	9.19E-09	1.65E-09	1.05E-08	1.62E-09	1.54E-09	2.45E-08	2.61E-08	9.56E-09	1.30E-08	4.86E-09	2.61E-08	9.56E-09
4609	475863.1	3859877	7.01E-05	6.84E-05	6.75E-05	2.43E-08	7.33E-08	4.24E-08	4.14E-08	3.75E-08	1.71E-08	1.69E-08	0.00E+00	0.00E+00	7.80E-09	1.41E-09	8.92E-09	1.38E-09	1.31E-09	2.08E-08	2.21E-08	8.12E-09	1.10E-08	4.13E-09	2.21E-08	8.12E-09
4610	476363.1	3859877	6.22E-05	6.07E-05	5.99E-05	2.15E-08	6.50E-08	3.77E-08	3.67E-08	3.33E-08	1.52E-08	1.50E-08	0.00E+00	0.00E+00	6.93E-09	1.25E-09	7.91E-09	1.22E-09	1.16E-09	1.85E-08	1.96E-08	7.20E-09	9.80E-09	3.66E-09	1.96E-08	7.20E-09
4611	476863.1	3859877	6.56E-05	6.40E-05	6.31E-05	2.27E-08	6.85E-08	3.97E-08	3.87E-08	3.51E-08	1.60E-08	1.58E-08	0.00E+00	0.00E+00	7.30E-09	1.31E-09	8.34E-09	1.29E-09	1.22E-09	1.95E-08	2.07E-08	7.59E-09	1.03E-08	3.86E-09	2.07E-08	7.59E-09
4612	477363.1	3859877	6.80E-05	6.64E-05	6.55E-05	2.36E-08	7.11E-08	4.12E-08	4.02E-08	3.64E-08	1.66E-08	1.64E-08	0.00E+00	0.00E+00	7.57E-09	1.36E-09	8.65E-09	1.33E-09	1.27E-09	2.02E-08	2.15E-08	7.88E-09	1.07E-08	4.01E-09	2.15E-08	7.88E-09
4613	477863.1	3859877	7.88E-05	7.69E-05	7.59E-05	2.73E-08	8.24E-08	4.77E-08	4.65E-08	4.22E-08	1.93E-08	1.90E-08	0.00E+00	0.00E+00	8.77E-09	1.58E-09	1.00E-08	1.55E-09	1.47E-09	2.34E-08	2.49E-08	9.12E-09	1.24E-08	4.64E-09	2.49E-08	9.12E-09

4614	478363.1	3859877	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.18E-08	1.81E-09	1.73E-09	2.75E-08	2.92E-08	1.07E-08	1.46E-08	5.45E-09	2.92E-08	1.07E-08
4615	478863.1	3859877	1.10E-04	1.07E-04	1.05E-04	3.79E-08	1.14E-07	6.63E-08	6.47E-08	5.86E-08	2.67E-08	2.64E-08	0.00E+00	0.00E+00	1.22E-08	2.20E-09	1.39E-08	2.15E-09	2.04E-09	3.25E-08	3.46E-08	1.27E-08	1.73E-08	6.45E-09	3.46E-08	1.27E-08
4616	479363.1	3859877	1.28E-04	1.25E-04	1.23E-04	4.42E-08	1.34E-07	7.73E-08	7.54E-08	6.84E-08	3.12E-08	3.08E-08	0.00E+00	0.00E+00	1.42E-08	2.56E-09	1.63E-08	2.51E-09	2.38E-09	3.79E-08	4.03E-08	1.48E-08	2.01E-08	7.52E-09	4.03E-08	1.48E-08
4617	479863.1	3859877	1.41E-04	1.38E-04	1.36E-04	4.90E-08	1.48E-07	8.56E-08	8.35E-08	7.57E-08	3.46E-08	3.41E-08	0.00E+00	0.00E+00	1.57E-08	2.84E-09	1.80E-08	2.77E-09	2.64E-09	4.20E-08	4.47E-08	1.64E-08	2.23E-08	8.33E-09	4.47E-08	1.64E-08
4618	480363.1	3859877	1.53E-04	1.49E-04	1.47E-04	5.30E-08	1.60E-07	9.26E-08	9.04E-08	8.19E-08	3.74E-08	3.69E-08	0.00E+00	0.00E+00	1.70E-08	3.07E-09	1.95E-08	3.00E-09	2.86E-09	4.54E-08	4.83E-08	1.77E-08	2.41E-08	9.01E-09	4.83E-08	1.77E-08
4619	480863.1	3859877	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	0.00E+00	0.00E+00	1.80E-08	3.24E-09	2.06E-08	3.17E-09	3.02E-09	4.80E-08	5.11E-08	1.87E-08	2.55E-08	9.53E-09	5.11E-08	1.87E-08
4620	481363.1	3859877	1.69E-04	1.65E-04	1.63E-04	5.86E-08	1.77E-07	1.02E-07	9.99E-08	9.06E-08	4.13E-08	4.08E-08	0.00E+00	0.00E+00	1.88E-08	3.39E-09	2.15E-08	3.32E-09	3.16E-09	5.02E-08	5.34E-08	1.96E-08	2.67E-08	9.96E-09	5.34E-08	1.96E-08
4621	481863.1	3859877	1.77E-04	1.73E-04	1.71E-04	6.13E-08	1.85E-07	1.07E-07	1.05E-07	9.48E-08	4.33E-08	4.27E-08	0.00E+00	0.00E+00	1.97E-08	3.55E-09	2.25E-08	3.47E-09	3.31E-09	5.26E-08	5.59E-08	2.05E-08	2.79E-08	1.04E-08	5.59E-08	2.05E-08
4622	482363.1	3859877	1.86E-04	1.82E-04	1.79E-04	6.45E-08	1.95E-07	1.13E-07	1.10E-07	9.97E-08	4.55E-08	4.49E-08	0.00E+00	0.00E+00	2.07E-08	3.73E-09	2.37E-08	3.65E-09	3.48E-09	5.53E-08	5.88E-08	2.16E-08	2.93E-08	1.10E-08	5.88E-08	2.16E-08
4623	482863.1	3859877	1.95E-04	1.90E-04	1.87E-04	6.74E-08	2.03E-07	1.18E-07	1.15E-07	1.04E-07	4.75E-08	4.69E-08	0.00E+00	0.00E+00	2.17E-08	3.90E-09	2.47E-08	3.82E-09	3.63E-09	5.77E-08	6.14E-08	2.25E-08	3.07E-08	1.15E-08	6.14E-08	2.25E-08
4624	483363.1	3859877	2.05E-04	2.00E-04	1.98E-04	7.11E-08	2.15E-07	1.24E-07	1.21E-07	1.10E-07	5.02E-08	4.95E-08	0.00E+00	0.00E+00	2.29E-08	4.12E-09	2.61E-08	4.03E-09	3.83E-09	6.10E-08	6.48E-08	2.38E-08	3.24E-08	1.21E-08	6.48E-08	2.38E-08
4625	483863.1	3859877	2.20E-04	2.15E-04	2.12E-04	7.61E-08	2.30E-07	1.33E-07	1.30E-07	1.18E-07	5.37E-08	5.30E-08	0.00E+00	0.00E+00	2.45E-08	4.41E-09	2.80E-08	4.31E-09	4.10E-09	6.53E-08	6.94E-08	2.55E-08	3.46E-08	1.29E-08	6.94E-08	2.55E-08
4626	484363.1	3859877	2.33E-04	2.27E-04	2.24E-04	8.06E-08	2.43E-07	1.41E-07	1.37E-07	1.25E-07	5.68E-08	5.61E-08	0.00E+00	0.00E+00	2.59E-08	4.66E-09	2.96E-08	4.56E-09	4.34E-09	6.91E-08	7.35E-08	2.69E-08	3.67E-08	1.37E-08	7.35E-08	2.69E-08
4627	484863.1	3859877	2.48E-04	2.42E-04	2.39E-04	8.59E-08	2.59E-07	1.50E-07	1.46E-07	1.33E-07	6.06E-08	5.98E-08	0.00E+00	0.00E+00	2.76E-08	4.97E-09	3.16E-08	4.87E-09	4.63E-09	7.36E-08	7.83E-08	2.87E-08	3.91E-08	1.46E-08	7.83E-08	2.87E-08
4628	485363.1	3859877	2.69E-04	2.63E-04	2.59E-04	9.32E-08	2.81E-07	1.63E-07	1.59E-07	1.44E-07	6.58E-08	6.49E-08	0.00E+00	0.00E+00	3.00E-08	5.40E-09	3.42E-08	5.28E-09	5.02E-09	7.99E-08	8.50E-08	3.12E-08	4.24E-08	1.59E-08	8.50E-08	3.12E-08
4629	485863.1	3859877	2.97E-04	2.90E-04	2.86E-04	1.03E-07	3.11E-07	1.80E-07	1.76E-07	1.59E-07	7.26E-08	7.17E-08	0.00E+00	0.00E+00	3.31E-08	5.96E-09	3.78E-08	5.83E-09	5.55E-09	8.83E-08	9.39E-08	3.44E-08	4.69E-08	1.75E-08	9.39E-08	3.44E-08
4630	486363.1	3859877	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.11E-08	8.00E-08	0.00E+00	0.00E+00	3.69E-08	6.65E-09	4.22E-08	6.51E-09	6.19E-09	9.85E-08	1.05E-07	3.84E-08	5.23E-08	1.95E-08	1.05E-07	3.84E-08
4631	486863.1	3859877	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.11E-08	8.99E-08	0.00E+00	0.00E+00	4.15E-08	7.47E-09	4.74E-08	7.31E-09	6.96E-09	1.11E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
4632	487363.1	3859877	4.18E-04	4.08E-04	4.02E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	0.00E+00	0.00E+00	4.65E-08	8.37E-09	5.31E-08	8.19E-09	7.80E-09	1.24E-07	1.32E-07	4.84E-08	6.58E-08	2.46E-08	1.32E-07	4.84E-08
4633	487863.1	3859877	4.79E-04	4.67E-04	4.61E-04	1.66E-07	5.00E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.33E-08	9.60E-09	6.09E-08	9.39E-09	8.93E-09	1.42E-07	1.51E-07	5.54E-08	7.54E-08	2.82E-08	1.51E-07	5.54E-08
4634	488363.1	3859877	5.53E-04	5.39E-04	5.32E-04	1.91E-07	5.78E-07	3.34E-07	3.26E-07	2.96E-07	1.35E-07	1.33E-07	0.00E+00	0.00E+00	6.15E-08	1.11E-08	7.03E-08	1.08E-08	1.03E-08	1.64E-07	1.74E-07	6.40E-08	8.71E-08	3.25E-08	1.74E-07	6.40E-08
4635	488863.1	3859877	6.91E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.66E-07	0.00E+00	0.00E+00	7.69E-08	1.38E-08	8.78E-08	1.35E-08	1.29E-08	2.05E-07	2.18E-07	8.00E-08	1.09E-07	4.07E-08	2.18E-07	8.00E-08
4636	489363.1	3859877	9.42E-04	9.19E-04	9.07E-04	3.26E-07	9.85E-07	5.70E-07	5.56E-07	5.04E-07	2.30E-07	2.27E-07	0.00E+00	0.00E+00	1.05E-07	1.89E-08	1.20E-07	1.85E-08	1.76E-08	2.80E-07	2.97E-07	1.09E-07	1.48E-07	5.55E-08	2.97E-07	1.09E-07
4637	489863.1	3859877	1.49E-03	1.46E-03	1.44E-03	5.16E-07	1.56E-06	9.02E-07	8.81E-07	7.98E-07	3.64E-07	3.59E-07	0.00E+00	0.00E+00	1.66E-07	2.99E-08	1.90E-07	2.92E-08	2.78E-08	4.43E-07	4.71E-07	1.73E-07	2.35E-07	8.78E-08	4.71E-07	1.73E-07
4638	490363.1	3859877	3.36E-03	3.28E-03	3.24E-03	1.16E-06	3.51E-06	2.03E-06	1.99E-06	1.80E-06	8.21E-07	8.10E-07	0.00E+00	0.00E+00	3.74E-07	6.74E-08	4.28E-07	6.59E-08	6.27E-08	9.98E-07	1.06E-06	3.89E-07	5.30E-07	1.98E-07	1.06E-06	3.89E-07
4639	490863.1	3859877	2.70E-02	2.64E-02	2.60E-02	9.36E-06	2.83E-05	1.64E-05	1.60E-05	1.45E-05	6.61E-06	6.52E-06	0.00E+00	0.00E+00	3.01E-06	5.42E-07	3.44E-06	5.30E-07	5.05E-07	8.03E-06	8.54E-06	3.13E-06	4.26E-06	1.59E-06	8.54E-06	3.13E-06
4640	491363.1	3859877	4.97E-03	4.85E-03	4.79E-03	1.72E-06	5.20E-06	3.01E-06	2.94E-06	2.66E-06	1.21E-06	1.20E-06	0.00E+00	0.00E+00	5.54E-07	9.97E-08	6.33E-07	9.76E-08	9.28E-08	1.48E-06	1.57E-06	5.76E-07	7.84E-07	2.93E-07	1.57E-06	5.76E-07
4641	491863.1	3859877	2.51E-03	2.45E-03	2.42E-03	8.70E-07	2.63E-06	1.52E-06	1.48E-06	1.35E-06	6.14E-07	6.06E-07	0.00E+00	0.00E+00	2.80E-07	5.04E-08	3.20E-07	4.93E-08	4.69E-08	7.46E-07	7.93E-07	2.91E-07	3.96E-07	1.48E-07	7.93E-07	2.91E-07
4642	492363.1	3859877	1.70E-03	1.66E-03	1.64E-03	5.90E-07	1.78E-06	1.03E-06	1.01E-06	9.12E-07	4.16E-07	4.11E-07	0.00E+00	0.00E+00	1.90E-07	3.41E-08	2.17E-07	3.34E-08	3.18E-08	5.06E-07	5.38E-07	1.97E-07	2.68E-07	1.00E-07	5.38E-07	1.97E-07
4643	492863.1	3859877	1.25E-03	1.22E-03	1.20E-03	4.32E-07	1.31E-06	7.56E-07	7.38E-07	6.69E-07	3.05E-07	3.01E-07	0.00E+00	0.00E+00	1.39E-07	2.50E-08	1.59E-07	2.45E-08	2.33E-08	3.71E-07	3.94E-07	1.45E-07	1.97E-07	7.35E-08	3.94E-07	1.45E-07
4644	493363.1	3859877	1.03E-03	1.00E-03	9.90E-04	3.56E-07	1.07E-06	6.22E-07	6.07E-07	5.50E-07	2.51E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.06E-08	1.31E-07	2.02E-08	1.92E-08	3.05E-07	3.24E-07	1.19E-07	1.62E-07	6.05E-08	3.24E-07	1.19E-07
4645	493863.1	3859877	8.82E-04	8.61E-04	8.49E-04	3.05E-07	9.22E-07	5.34E-07	5.21E-07	4.72E-07	2.15E-07	2.13E-07	0.00E+00	0.00E+00	9.82E-08	1.77E-08	1.12E-07	1.73E-08	1.65E-08	2.62E-07	2.78E-07	1.02E-07	1.39E-07	5.19E-08	2.78E-07	1.02E-07
4646	494363.1	3859877	7.59E-04	7.41E-04	7.31E-04	2.63E-07	7.94E-07	4.59E-07	4.48E-07	4.06E-07	1.85E-07	1.83E-07	0.00E+00	0.00E+00	8.45E-08	1.52E-08	9.66E-08	1.49E-08	1.42E-08	2.25E-07	2.40E-07	8.79E-08	1.20E-07	4.47E-08	2.40E-07	8.79E-08
4647	494863.1	3859877	6.93E-04	6.76E-04	6.68E-04	2.40E-07	7.25E-07	4.19E-07	4.09E-07	3.71E-07	1.69E-07	1.67E-07	0.00E+00	0.00E+00	7.72E-08	1.39E-08	8.82E-08	1.36E-08	1.29E-08	2.06E-07	2.19E-07	8.03E-08	1.09E-07	4.08E-08	2.19E-07	8.03E-08
4648	495363.1	3859877	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.56E-07	3.80E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.98E-08	1.26E-08	7.98E-08	1.23E-08	1.17E-08	1.86E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
4649	495863.1	3859877	5.70E-04	5.57E-04	5.49E-04	1.97E-07	5.96E-07	3.45E-07	3.37E-07	3.05E-07	1.39E-07	1.37E-07	0.00E+00	0.00E+00	6.35E-08	1.14E-08	7.25E-08	1.12E-08	1.06E-08	1.69E-07	1.80E-07	6.60E-08	8.99E-08	3.36E-08	1.80E-07	6.60E-08
4650	496363.1	3859877	5.06E-04	4.94E-04	4.87E-04	1.75E-07	5.29E-07	3.06E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.63E-08	1.01E-08	6.43E-08	9.92E-09	9.44E-09	1.50E-07	1.60E-07	5.85E-08	7.97E-08	2.98E-08	1.60E-07	5.85E-08
4651	496863.1	3859877	4.21E-04	4.11E-04	4.05E-04	1.46E-07	4.40E-07	2.55E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.68E-08	8.43E-09	5.35E-08	8.25E-09	7.85E-09	1.25E-07	1.33E-07	4.87E-08	6.63E-08	2.48E-08	1.33E-07	4.87E-08
4652	497363.1	3859877	4.46E-04	4.35E-04	4.29E-04	1.54E-07	4.66E-07	2.70E-07	2.63E-07	2.39E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.96E-08	8.94E-09	5.67E-08	8.75E-09	8.32E-09	1.32E-07	1.41E-07	5.16E-08	7.03E-08	2.63E-08	1.41E-07	5.16E-08
4653	497863.1	3859877	4.81E-04	4.70E-04	4.63E-04	1.67E-07	5.03E-07	2.91E-07	2.84E-07	2.58E-07	1.18E-07	1.16E-07	0.00E+00	0.00E+00	5.36E-08	9.64E-09	6.12E-08	9.44E-09	8.98E-09	1.43E-07	1.52E-07	5.57E-08	7.58E-08	2.83E-08	1.52E-07	5.57E-08
4654	498363.1	3859877	5.00E-04	4.87E-04	4.81E-04	1.73E-07	5.22E-07	3.02E-07	2.95E-07	2.67E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.56E-08	1.00E-08	6.35E-08	9.80E-09	9.32E-09	1.48E-07	1.58E-07	5.78E-08	7.87E-08	2.94E-08	1.58E-07	5.78E-08
4655	471363.1	3860377	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	0.00E+00	0.00E+00	1.00E-08	1.80E-09	1.14E-08	1.77E-09	1.68E-09	2.67E-08	2.84E-08	1.04E-08	1.42E-08	5.30E-09	2.84E-08	1.04E-08
4656	471863.1	3860377	9.17E-05	8.95E-05	8.83E-05	3.17E-08	9.58E-08	5.55E-08	5.41E-08	4.91E-08	2.24E-08	2.21E-08	0.00E+00	0.00E+00	1.02E-08	1.84E-09	1.17E-08	1.80E-09	1.71E-09	2.72E-08	2.89E-08	1.06E-08	1.44E-08	5.40E-09	2.89E-08	1.06E-08
4657	472363.1	3860377	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	0.00E+00	0.00E+00	1.05E-08	1.89E-09	1.20E-08	1.85E-09	1.76E-09	2.80E-08	2.97E-08	1.09E-08	1.48E-08	5.54E-09	2.97E-08	1.09E-08
4658	472863.1	3860377	9.67E-05	9.43E-05	9.31E-05	3.35E-08	1.01E-07	5.85E-08	5.71E-08	5.17E-08	2.36E-08	2.33E-08	0.00E+00	0.00E+00	1.08E-08	1.94E-09	1.23E-08	1.90E-09	1.80E-09	2.87E-08	3.05E-08	1.12E-08	1.52E-08	5.69E-09	3.05E-08	1.12E-08
4659	473363.1	3860377	9.92E-05	9.68E-05	9.55E-05	3.43E-08	1.04E-07	6.00E-08	5.85E-08	5.31E-08	2.42E-08	2.39E-08	0.00E+00	0.00E+00	1.10E-08	1.99E-09	1.26E-08	1.94E-09	1.85E-09	2.94E-08	3.13E-08	1.15E-08	1.56E-08	5.84E-09	3.13E-08	1.15E-08
4660	473863.1	3860377	1.01E-04	9.84E-05	9.71E-05	3.49E-08	1.05E-07	6.10E-08	5.95E-08	5.40E-08	2.46E-08	2.43E-08	0.00E+00	0.00E+00	1.12E-08	2.02E-09	1.28E-08	1.98E-09	1.88E-09	2.99E-08	3.18E-08	1.17E-08	1.59E-08	5.93E-09	3.18E-08	1.17E-08
4661	474363.1	3860377	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	0.00E+00	0.00E+00	1.13E-08	2.03E-09	1.29E-08	1.99E-09	1.89E-09	3.00E-08	3.19E-08	1.17E-08	1.59E-08	5.96E-09	3.19E-08	1.17E-08
4662	474863.1	3860377	1.00E-04	9.76E-05	9.63E-05	3.46E-08	1.05E-07	6.05E-08	5.90E-08	5.35E-08	2.44E-08	2.41E-08	0.00E+00	0.00E+00	1.11E-08	2.00E-09	1.27E-08	1.96E-09	1.87E-09	2.97E-08	3.16E-08	1.16E-08	1.58E-08	5.89E-09	3.16E-08	1.16E-08
4663	475363.1	3860377	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	0.00E+00	0.00E+00	1.06E-08	1.90E-09	1.21E-08	1.86E-09	1.77E-09	2.82E-08	3.00E-08	1.10E-08	1.50E-08	5.59E-09	3.00E-08	1.10E-08
4664	475863.1	3860377	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	0.00E+00	0.00E+00	1.00E-08	1.80E-09	1.14E-08	1.77E-09	1.68E-09	2.67E-08	2.84E-08	1.04E-08	1.42E-08	5.30E-09	2.84E-08	1.04E-08
4665	476363.1	3860377	8.30E-05	8.10E-05	7.99E-05	2.87E-08	8.67E-08	5.02E-08	4.90E-08	4.44E-08	2.03E-08	2.00E-08	0.00E+00	0.00E+00	9.24E-09	1.66E-09	1.06E-08	1.63E-09	1.55E-09	2.46E-08	2.62E-08	9.61E-09	1.31E-08	4.88E-09	2.62E-08	9.61E-09
4666	476863.1	3860377	8.09E-05	7.89E-05	7.79E-05	2.80E-08	8.46E-08	4.90E-08	4.78E-08	4.33E-08	1.98E-08	1.95E-08	0.00E+00	0.00E+00	9.01E-09	1.62E-09	1.03E-08	1.59E-09	1.51E-09	2.40E-08	2.55E-08	9.37E-09	1.27E-08	4.76E-09	2.55E-08	9.37E-09
4667	477363.1	3860377	7.18E-05	7.00E-05	6.91E-05	2.48E-08	7.50E-08	4.34E-08	4.24E-08	3.84E-08	1.75E-08	1.73E-08	0.00E+00	0.00E+00	7.99E-09	1.44E-09	9.13E-09	1.41E-09	1.34E-09	2.13E-08	2.27E-08	8.31E-09	1.13E-08	4.23E-09	2.27E-08	8.31E-09
4668	477863.1	3860377	7.72E-05	7.53E-05	7.43E-05	2.67E-08	8.07E-08	4.67E-08	4.56E-08	4.13E-08	1.88E-08	1.86E-08	0.00E+00	0.00E+00	8.59E-09	1.55E-09	9.81E-09	1.51E-09	1.44E-09	2.29E-08	2.44E-08	8.93E-09	1.22E-08	4.54E-09	2.44E-08	8.93E-09
4669	478363.1	3860377	9.17E-05	8.95E-05	8.83E-05	3.17E-08	9.58E-08	5.55E-08	5.41E-08	4.91E-08	2.24E-08	2.21E-08	0.00E+00	0.00E+00	1.02E-08	1.84E-09	1.17E-08	1.80E-09	1.71E-09	2.72E-08	2.89E-08	1.06E-08	1.44E-08	5.40E-09	2.89E-08	1.06E-08
4670	478863.1	3860377	1.06E-04	1.04E-04	1.02E-04	3.68E-08	1.11E-07	6.43E-08	6.27E-08	5.68E-08	2.59E-08	2.56E-08	0.00E+00	0.00E+00	1.18E-08	2.13E-09	1.35E-08	2.08E-09	1.98E-09	3.15E-08	3.35E-08	1.23E-08	1.67E-08	6.25E-09	3.35E-08	1.23E-08
4671	479363.1	3860377	1.22E-04	1.19E-04	1.18E-04	4.24E-08	1.28E-07	7.41E-08	7.23E-08	6.55E-08	2.99E-08	2.95E-08	0.00E+00	0.00E+00	1.36E-08	2.45E-09	1.56E-08	2.40E-09	2.28E-09	3.63E-08	3.86E-08	1.42E-08	1.93E-08	7.20E-09	3.86E-08	1.42E-08
4672	479863.1	3860377	1.36E-04	1.32E-04	1.31E-04	4.70E-08	1.42E-07	8.21E-08	8.01E-08	7.26E-08	3.31E-08	3.27E-08	0.00E+00	0.00E+00	1.51E-08	2.72E-09	1.73E-08	2.66E-09	2.53E-09	4.03E-08	4.28E-08	1.57E-08	2.14E-08	7.99E-09	4.28E-08	1.57E-08
4673	480363.1	3860377	1.46E-04	1.42E-04	1.40E-04	5.04E-08	1.52E-07	8.81E-08	8.60E-08	7.79E-08	3.56E-08	3.51E-08	0.00E+00	0.00E+00	1.62E-08	2.92E-09	1.85E-08	2.86E-09	2.72E-09	4.32E-08	4.60E-08	1.69E-08	2.29E-08	8.57E-09	4.60E-08	1.69E-08
4674	480863.1	3860377	1.54E-04	1.51E-04	1.49E-04	5.34E-08	1.61E-07	9.34E-08	9.11E-08	8.26E-08	3.77E-08	3.72E-08	0.00E+00	0.00E+00	1.72E-08	3.09E-09	1.96E-08	3.03E-09	2.88E-09	4.58E-08	4.87E-08	1.79E-08	2.43E-08	9.09E-09	4.87E-08	1.79E-08
4675	481363.1	3860377	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	0.00E+00	0.00E+00	1.78E-08	3.21E-09	2.04E-08	3.14E-09	2.99E-09	4.75E-08	5.05E-08	1.85E-08	2.52E-08	9.43E-09	5.05E-08	1.85E-08
4676	481863.1	3860377	1.69E-04	1.65E-04	1.63E-04	5.86E-08	1.77E-07	1.02E-07	9.99E-08	9.06E-08	4.13E-08	4.08E-08	0.00E+00	0.00E+00	1.88E-08	3.39E-09	2.15E-08	3.32E-09	3.16E-09	5.02E-08	5.34E-08	1.96E-08	2.67E-08	9.96E-09	5.34E-08	1.96E-08
4677	482363.1	3860377	1.77E-04	1.72E-04	1.70E-04	6.12E-08	1.85E-07	1.07E-07	1.04E-07	9.46E-08	4.32E-08	4.26E-08	0.00E+00	0.00E+00	1.97E-08	3.54E-09	2.25E-08	3.47E-09	3.30E-09	5.25E-08	5.58E-08	2.05E-08	2.78E-08	1.04E-08	5.58E-08	2.05E-08
4678	482863.1	3860377	1.83E-04	1.79E-04	1.77E-04	6.35E-08	1.92E-07	1.11E-07	1.08E-07	9.81E-08	4.48E-08	4.42E-08	0.00E+00	0.00E+00	2.04E-08	3.68E-09	2.33E-08	3.60E-09	3.42E-09	5.44E-08	5.79E-08	2.12E-08	2.89E-08	1.08E-08	5.79E-08	2.12E-08
4679	483363.1	3860377	1.94E-04	1.89E-04	1.87E-04	6.71E-08	2.03E-07	1.17E-07	1.14E-07	1.04E-07	4.73E-08	4.67E-08	0.00E+00	0.00E+00	2.16E-08	3.88E-09	2.46E-08	3.80E-09	3.62E-09	5.75E-08	6.12E-08	2.24E-08	3.05E-08	1.14E-08	6.12E-08	2.24E-08
4680	483863.1	3860377	2.02E-04	1.98E-04	1.95E-04	7.01E-08	2.12E-07	1.23E-07	1.20E-07	1.08E-07	4.94E-08	4.88E-08	0.00E+00	0.00E+00	2.25E-08	4.06E-09	2.57E-08	3.97E-09	3.78E-09	6.01E-08	6.39E-08	2.34E-08	3.19E-08	1.19E-08	6.39E-08	2.34E-08
4681	484363.1	3860377	2.14E-04	2.09E-04	2.06E-04	7.41E-08	2.24E-07	1.30E-07	1.26E-07	1.15E-07	5.23E-08	5.16E-08	0.00E+00	0.00E+00	2.38E-08	4.29E-09	2.72E-08	4.20E-09	3.99E-09	6.35E-08	6.76E-08	2.48E-08	3.37E-08	1.26E-08	6.76E-08	2.48E-08
4682	484863.1	3860377	2.25E-04	2.19E-04	2.17E-04	7.78E-08	2.35E-07	1.36E-07	1.33E-07	1.20E-07	5.49E-08	5.42E-08	0.00E+00	0.00E+00	2.50E-08	4.51E-09	2.86E-08	4.41E-09	4.20E-09	6.67E-08	7.10E-08	2.60E-08	3.54E-08	1.32E-08	7.10E-08	2.60E-08
4683	485363.1	3860377	2.38E-04	2.32E-04	2.29E-04	8.23E-08	2.48E-07	1.44E-07	1.40E-07	1.27E-07	5.81E-08	5.73E-08	0.00E+00	0.00E+00	2.65E-08	4.76E-09	3.02E-08	4.66E-09	4.44E-09	7.06E-08	7.50E-08	2.75E-08	3.74E-08	1.40E-08	7.50E-08	2.75E-08
4684	485863.1	3860377	2.56E-04	2.50E-04	2.47E-04	8.88E-08	2.68E-07	1.55E-07	1.51E-07	1.37E-07	6.26E-08	6.18E-08	0.00E+00	0.00E+00	2.85E-08	5.14E-09	3.26E-08	5.03E-09	4.78E-09	7.61E-08	8.09E-08	2.97E-08	4.04E-08	1.51E-08	8.09E-08	2.97E-08
4685	486363.1	3860377	2.79E-04	2.72E-04	2.69E-04	9.67E-08	2.92E-07	1.69E-07	1.65E-07	1.49E-07	6.82E-08	6.73E-08	0.00E+00	0.00E+00	3.11E-08	5.60E-09	3.55E-08	5.48E-09	5.21E-09	8.29E-08	8.81E-08	3.23E-08	4.40E-08	1.64E-08	8.81E-08	3.23E-08
4686	486863.1	3860377	3.05E-04	2.98E-04	2.94E-04	1.06E-07	3.19E-07	1.85E-07	1.80E-07	1.63E-07	7.45E-08	7.35E-08	0.00E+00	0.00E+00	3.39E-08	6.11E-09	3.88E-08	5.98E-09	5.69E-09	9.05E-08	9.62E-08	3.53E-08	4.80E-08	1.80E-08	9.62E-08	3.53E-08
4687	487363.1	3860377	3.36E-04	3.28E-04	3.24E-04	1.16E-07	3.51E-07	2.03E-07	1.98E-07	1.80E-07	8.21E-08	8.10E-08	0.00E+00	0.00E+00	3.74E-08	6.73E-09	4.27E-08	6.59E-09	6.27E-09	9.97E-08	1.06E-07	3.89E-08	5.29E-08	1.98E-08	1.06E-07	3.89E-08
4688	487863.1	3860377	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.26E-08	9.14E-08	0.00E+00	0.00E+00	4.22E-08	7.60E-09	4.82E-08	7.44E-09	7.08E-09	1.13E-07	1.20E-07	4.39E-08	5.97E-08	2.23E-08	1.20E-07	4.39E-08
4689	488363.1	3860377	4.30E-04	4.19E-04	4.14E-04	1.49E-07	4.49E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.78E-08	8.61E-09	5.47E-08	8.43E-09	8.02E-09	1.28E-07	1.36E-07	4.98E-08	6.77E-08	2.53E-08	1.36E-07	4.98E-08
4690	488863.1	3860377	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.19E-07	3.01E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	0.00E+00	0.00E+00	5.53E-08	9.96E-09	6.32E-08	9.75E-09	9.27E-09	1.48E-07	1.57E-07	5.75E-08	7.83E-08	2.93E-08	1.57E-07	5.75E-08

4691	489363.1	3860377	5.87E-04	5.73E-04	5.65E-04	2.03E-07	6.14E-07	3.55E-07	3.47E-07	3.14E-07	1.43E-07	1.41E-07	0.00E+00	0.00E+00	6.53E-08	1.18E-08	7.47E-08	1.15E-08	1.10E-08	1.74E-07	1.85E-07	6.80E-08	9.25E-08	3.46E-08	1.85E-07	6.80E-08
4692	489863.1	3860377	7.09E-04	6.92E-04	6.83E-04	2.45E-07	7.41E-07	4.29E-07	4.19E-07	3.79E-07	1.73E-07	1.71E-07	0.00E+00	0.00E+00	7.89E-08	1.42E-08	9.02E-08	1.39E-08	1.32E-08	2.10E-07	2.24E-07	8.21E-08	1.12E-07	4.17E-08	2.24E-07	8.21E-08
4693	490363.1	3860377	9.11E-04	8.89E-04	8.77E-04	3.15E-07	9.52E-07	5.51E-07	5.38E-07	4.88E-07	2.23E-07	2.20E-07	0.00E+00	0.00E+00	1.01E-07	1.83E-08	1.16E-07	1.79E-08	1.70E-08	2.70E-07	2.88E-07	1.05E-07	1.44E-07	5.36E-08	2.88E-07	1.05E-07
4694	490863.1	3860377	1.38E-03	1.35E-03	1.33E-03	4.78E-07	1.44E-06	8.36E-07	8.16E-07	7.39E-07	3.37E-07	3.33E-07	0.00E+00	0.00E+00	1.54E-07	2.77E-08	1.76E-07	2.71E-08	2.58E-08	4.10E-07	4.36E-07	1.60E-07	2.18E-07	8.13E-08	4.36E-07	1.60E-07
4695	491363.1	3860377	4.15E-03	4.05E-03	4.00E-03	1.44E-06	4.34E-06	2.51E-06	2.45E-06	2.22E-06	1.01E-06	1.00E-06	0.00E+00	0.00E+00	4.62E-07	8.32E-08	5.28E-07	8.14E-08	7.75E-08	1.23E-06	1.31E-06	4.80E-07	6.54E-07	2.44E-07	1.31E-06	4.80E-07
4696	491863.1	3860377	7.32E-03	7.14E-03	7.04E-03	2.53E-06	7.65E-06	4.43E-06	4.32E-06	3.92E-06	1.79E-06	1.76E-06	0.00E+00	0.00E+00	8.14E-07	1.47E-07	9.30E-07	1.43E-07	1.37E-07	2.17E-06	2.31E-06	8.47E-07	1.15E-06	4.31E-07	2.31E-06	8.47E-07
4697	492363.1	3860377	2.91E-03	2.84E-03	2.81E-03	1.01E-06	3.05E-06	1.76E-06	1.72E-06	1.56E-06	7.12E-07	7.02E-07	0.00E+00	0.00E+00	3.24E-07	5.84E-08	3.71E-07	5.71E-08	5.44E-08	8.65E-07	9.20E-07	3.37E-07	4.59E-07	1.72E-07	9.20E-07	3.37E-07
4698	492863.1	3860377	1.95E-03	1.90E-03	1.88E-03	6.74E-07	2.04E-06	1.18E-06	1.15E-06	1.04E-06	4.76E-07	4.69E-07	0.00E+00	0.00E+00	2.17E-07	3.90E-08	2.48E-07	3.82E-08	3.63E-08	5.78E-07	6.15E-07	2.25E-07	3.07E-07	1.15E-07	6.15E-07	2.25E-07
4699	493363.1	3860377	1.40E-03	1.37E-03	1.35E-03	4.86E-07	1.47E-06	8.50E-07	8.29E-07	7.52E-07	3.43E-07	3.38E-07	0.00E+00	0.00E+00	1.56E-07	2.81E-08	1.79E-07	2.75E-08	2.62E-08	4.17E-07	4.43E-07	1.63E-07	2.21E-07	8.27E-08	4.43E-07	1.63E-07
4700	493863.1	3860377	1.20E-03	1.17E-03	1.16E-03	4.16E-07	1.26E-06	7.28E-07	7.10E-07	6.44E-07	2.94E-07	2.90E-07	0.00E+00	0.00E+00	1.34E-07	2.41E-08	1.53E-07	2.36E-08	2.25E-08	3.57E-07	3.80E-07	1.39E-07	1.90E-07	7.08E-08	3.80E-07	1.39E-07
4701	494363.1	3860377	1.00E-03	9.80E-04	9.67E-04	3.48E-07	1.05E-06	6.08E-07	5.93E-07	5.38E-07	2.45E-07	2.42E-07	0.00E+00	0.00E+00	1.12E-07	2.01E-08	1.28E-07	1.97E-08	1.87E-08	2.98E-07	3.17E-07	1.16E-07	1.58E-07	5.91E-08	3.17E-07	1.16E-07
4702	494863.1	3860377	9.24E-04	9.01E-04	8.89E-04	3.20E-07	9.65E-07	5.59E-07	5.45E-07	4.94E-07	2.26E-07	2.23E-07	0.00E+00	0.00E+00	1.03E-07	1.85E-08	1.17E-07	1.81E-08	1.72E-08	2.74E-07	2.91E-07	1.07E-07	1.45E-07	5.44E-08	2.91E-07	1.07E-07
4703	495363.1	3860377	8.15E-04	7.96E-04	7.85E-04	2.82E-07	8.52E-07	4.93E-07	4.81E-07	4.36E-07	1.99E-07	1.96E-07	0.00E+00	0.00E+00	9.07E-08	1.63E-08	1.04E-07	1.60E-08	1.52E-08	2.42E-07	2.57E-07	9.44E-08	1.28E-07	4.80E-08	2.57E-07	9.44E-08
4704	495863.1	3860377	6.91E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.66E-07	0.00E+00	0.00E+00	7.69E-08	1.38E-08	8.78E-08	1.35E-08	1.29E-08	2.05E-07	2.18E-07	8.00E-08	1.09E-07	4.07E-08	2.18E-07	8.00E-08
4705	496363.1	3860377	6.03E-04	5.88E-04	5.80E-04	2.09E-07	6.30E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.71E-08	1.21E-08	7.67E-08	1.18E-08	1.12E-08	1.79E-07	1.90E-07	6.98E-08	9.50E-08	3.55E-08	1.90E-07	6.98E-08
4706	496863.1	3860377	5.46E-04	5.33E-04	5.26E-04	1.89E-07	5.71E-07	3.30E-07	3.22E-07	2.92E-07	1.33E-07	1.32E-07	0.00E+00	0.00E+00	6.08E-08	1.09E-08	6.94E-08	1.07E-08	1.02E-08	1.62E-07	1.72E-07	6.32E-08	8.60E-08	3.21E-08	1.72E-07	6.32E-08
4707	497363.1	3860377	4.88E-04	4.76E-04	4.70E-04	1.69E-07	5.10E-07	2.95E-07	2.88E-07	2.61E-07	1.19E-07	1.18E-07	0.00E+00	0.00E+00	5.43E-08	9.78E-09	6.20E-08	9.57E-09	9.10E-09	1.45E-07	1.54E-07	5.65E-08	7.69E-08	2.87E-08	1.54E-07	5.65E-08
4708	497863.1	3860377	5.17E-04	5.04E-04	4.97E-04	1.79E-07	5.40E-07	3.13E-07	3.05E-07	2.76E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.75E-08	1.04E-08	6.57E-08	1.01E-08	9.64E-09	1.53E-07	1.63E-07	5.98E-08	8.14E-08	3.04E-08	1.63E-07	5.98E-08
4709	498363.1	3860377	5.50E-04	5.36E-04	5.29E-04	1.90E-07	5.75E-07	3.33E-07	3.25E-07	2.94E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.12E-08	1.10E-08	6.99E-08	1.08E-08	1.03E-08	1.63E-07	1.73E-07	6.36E-08	8.66E-08	3.24E-08	1.73E-07	6.36E-08
4710	471363.1	3860877	8.84E-05	8.62E-05	8.51E-05	3.06E-08	9.24E-08	5.35E-08	5.22E-08	4.73E-08	2.16E-08	2.13E-08	0.00E+00	0.00E+00	9.84E-09	1.77E-09	1.12E-08	1.73E-09	1.65E-09	2.62E-08	2.79E-08	1.02E-08	1.39E-08	5.20E-09	2.79E-08	1.02E-08
4711	471863.1	3860877	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	0.00E+00	0.00E+00	1.00E-08	1.80E-09	1.14E-08	1.77E-09	1.68E-09	2.67E-08	2.84E-08	1.04E-08	1.42E-08	5.30E-09	2.84E-08	1.04E-08
4712	472363.1	3860877	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.17E-08	1.81E-09	1.72E-09	2.73E-08	2.91E-08	1.07E-08	1.45E-08	5.42E-09	2.91E-08	1.07E-08
4713	472863.1	3860877	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	0.00E+00	0.00E+00	1.05E-08	1.89E-09	1.20E-08	1.85E-09	1.76E-09	2.80E-08	2.97E-08	1.09E-08	1.48E-08	5.54E-09	2.97E-08	1.09E-08
4714	473363.1	3860877	9.63E-05	9.39E-05	9.27E-05	3.33E-08	1.01E-07	5.82E-08	5.68E-08	5.15E-08	2.35E-08	2.32E-08	0.00E+00	0.00E+00	1.07E-08	1.93E-09	1.22E-08	1.89E-09	1.80E-09	2.86E-08	3.04E-08	1.11E-08	1.52E-08	5.67E-09	3.04E-08	1.11E-08
4715	473863.1	3860877	9.79E-05	9.55E-05	9.43E-05	3.39E-08	1.02E-07	5.92E-08	5.78E-08	5.24E-08	2.39E-08	2.36E-08	0.00E+00	0.00E+00	1.09E-08	1.96E-09	1.25E-08	1.92E-09	1.83E-09	2.91E-08	3.09E-08	1.13E-08	1.54E-08	5.76E-09	3.09E-08	1.13E-08
4716	474363.1	3860877	9.96E-05	9.72E-05	9.59E-05	3.45E-08	1.04E-07	6.02E-08	5.88E-08	5.33E-08	2.43E-08	2.40E-08	0.00E+00	0.00E+00	1.11E-08	2.00E-09	1.27E-08	1.95E-09	1.86E-09	2.96E-08	3.14E-08	1.15E-08	1.57E-08	5.86E-09	3.14E-08	1.15E-08
4717	474863.1	3860877	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	0.00E+00	0.00E+00	1.13E-08	2.03E-09	1.29E-08	1.99E-09	1.89E-09	3.00E-08	3.19E-08	1.17E-08	1.59E-08	5.96E-09	3.19E-08	1.17E-08
4718	475363.1	3860877	1.01E-04	9.84E-05	9.71E-05	3.49E-08	1.05E-07	6.10E-08	5.95E-08	5.40E-08	2.46E-08	2.43E-08	0.00E+00	0.00E+00	1.12E-08	2.02E-09	1.28E-08	1.98E-09	1.88E-09	2.99E-08	3.18E-08	1.17E-08	1.59E-08	5.93E-09	3.18E-08	1.17E-08
4719	475863.1	3860877	9.92E-05	9.68E-05	9.55E-05	3.43E-08	1.04E-07	6.00E-08	5.85E-08	5.31E-08	2.42E-08	2.39E-08	0.00E+00	0.00E+00	1.10E-08	1.99E-09	1.26E-08	1.94E-09	1.85E-09	2.94E-08	3.13E-08	1.15E-08	1.56E-08	5.84E-09	3.13E-08	1.15E-08
4720	476363.1	3860877	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	0.00E+00	0.00E+00	1.06E-08	1.90E-09	1.21E-08	1.86E-09	1.77E-09	2.82E-08	3.00E-08	1.10E-08	1.50E-08	5.59E-09	3.00E-08	1.10E-08
4721	476863.1	3860877	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	0.00E+00	0.00E+00	1.04E-08	1.87E-09	1.19E-08	1.83E-09	1.74E-09	2.77E-08	2.95E-08	1.08E-08	1.47E-08	5.50E-09	2.95E-08	1.08E-08
4722	477363.1	3860877	9.46E-05	9.23E-05	9.11E-05	3.27E-08	9.89E-08	5.72E-08	5.59E-08	5.06E-08	2.31E-08	2.28E-08	0.00E+00	0.00E+00	1.05E-08	1.90E-09	1.20E-08	1.86E-09	1.77E-09	2.81E-08	2.99E-08	1.09E-08	1.49E-08	5.57E-09	2.99E-08	1.09E-08
4723	477863.1	3860877	9.04E-05	8.83E-05	8.71E-05	3.13E-08	9.45E-08	5.47E-08	5.34E-08	4.84E-08	2.21E-08	2.18E-08	0.00E+00	0.00E+00	1.01E-08	1.81E-09	1.15E-08	1.77E-09	1.69E-09	2.68E-08	2.85E-08	1.05E-08	1.42E-08	5.32E-09	2.85E-08	1.05E-08
4724	478363.1	3860877	7.88E-05	7.69E-05	7.59E-05	2.73E-08	8.24E-08	4.77E-08	4.65E-08	4.22E-08	1.93E-08	1.90E-08	0.00E+00	0.00E+00	8.77E-09	1.58E-09	1.00E-08	1.55E-09	1.47E-09	2.34E-08	2.49E-08	9.12E-09	1.24E-08	4.64E-09	2.49E-08	9.12E-09
4725	478863.1	3860877	1.00E-04	9.80E-05	9.67E-05	3.48E-08	1.05E-07	6.07E-08	5.93E-08	5.37E-08	2.45E-08	2.42E-08	0.00E+00	0.00E+00	1.12E-08	2.01E-09	1.28E-08	1.97E-09	1.87E-09	2.98E-08	3.17E-08	1.16E-08	1.58E-08	5.91E-09	3.17E-08	1.16E-08
4726	479363.1	3860877	1.17E-04	1.14E-04	1.13E-04	4.05E-08	1.22E-07	7.08E-08	6.91E-08	6.26E-08	2.86E-08	2.82E-08	0.00E+00	0.00E+00	1.30E-08	2.34E-09	1.49E-08	2.29E-09	2.18E-09	3.47E-08	3.69E-08	1.35E-08	1.84E-08	6.89E-09	3.69E-08	1.35E-08
4727	479863.1	3860877	1.29E-04	1.26E-04	1.24E-04	4.47E-08	1.35E-07	7.81E-08	7.62E-08	6.91E-08	3.15E-08	3.11E-08	0.00E+00	0.00E+00	1.44E-08	2.59E-09	1.64E-08	2.53E-09	2.41E-09	3.83E-08	4.07E-08	1.49E-08	2.03E-08	7.60E-09	4.07E-08	1.49E-08
4728	480363.1	3860877	1.39E-04	1.35E-04	1.33E-04	4.80E-08	1.45E-07	8.38E-08	8.18E-08	7.42E-08	3.38E-08	3.34E-08	0.00E+00	0.00E+00	1.54E-08	2.78E-09	1.76E-08	2.72E-09	2.59E-09	4.11E-08	4.37E-08	1.60E-08	2.18E-08	8.16E-09	4.37E-08	1.60E-08
4729	480863.1	3860877	1.44E-04	1.41E-04	1.39E-04	5.00E-08	1.51E-07	8.74E-08	8.52E-08	7.73E-08	3.53E-08	3.48E-08	0.00E+00	0.00E+00	1.61E-08	2.89E-09	1.84E-08	2.83E-09	2.69E-09	4.29E-08	4.56E-08	1.67E-08	2.27E-08	8.50E-09	4.56E-08	1.67E-08
4730	481363.1	3860877	1.51E-04	1.47E-04	1.45E-04	5.23E-08	1.58E-07	9.14E-08	8.92E-08	8.08E-08	3.69E-08	3.64E-08	0.00E+00	0.00E+00	1.68E-08	3.03E-09	1.92E-08	2.96E-09	2.82E-09	4.48E-08	4.77E-08	1.75E-08	2.38E-08	8.89E-09	4.77E-08	1.75E-08
4731	481863.1	3860877	1.58E-04	1.54E-04	1.52E-04	5.46E-08	1.65E-07	9.54E-08	9.31E-08	8.44E-08	3.85E-08	3.80E-08	0.00E+00	0.00E+00	1.75E-08	3.16E-09	2.00E-08	3.09E-09	2.94E-09	4.68E-08	4.98E-08	1.82E-08	2.48E-08	9.28E-09	4.98E-08	1.82E-08
4732	482363.1	3860877	1.64E-04	1.60E-04	1.58E-04	5.69E-08	1.72E-07	9.94E-08	9.70E-08	8.79E-08	4.01E-08	3.96E-08	0.00E+00	0.00E+00	1.83E-08	3.29E-09	2.09E-08	3.22E-09	3.07E-09	4.88E-08	5.19E-08	1.90E-08	2.59E-08	9.67E-09	5.19E-08	1.90E-08
4733	482863.1	3860877	1.70E-04	1.66E-04	1.64E-04	5.89E-08	1.78E-07	1.03E-07	1.00E-07	9.10E-08	4.15E-08	4.10E-08	0.00E+00	0.00E+00	1.89E-08	3.41E-09	2.16E-08	3.34E-09	3.17E-09	5.05E-08	5.37E-08	1.97E-08	2.68E-08	1.00E-08	5.37E-08	1.97E-08
4734	483363.1	3860877	1.78E-04	1.74E-04	1.71E-04	6.16E-08	1.86E-07	1.08E-07	1.05E-07	9.53E-08	4.35E-08	4.29E-08	0.00E+00	0.00E+00	1.98E-08	3.57E-09	2.26E-08	3.49E-09	3.32E-09	5.28E-08	5.62E-08	2.06E-08	2.80E-08	1.05E-08	5.62E-08	2.06E-08
4735	483863.1	3860877	1.87E-04	1.82E-04	1.80E-04	6.46E-08	1.95E-07	1.13E-07	1.10E-07	9.99E-08	4.56E-08	4.50E-08	0.00E+00	0.00E+00	2.08E-08	3.74E-09	2.37E-08	3.66E-09	3.48E-09	5.54E-08	5.89E-08	2.16E-08	2.94E-08	1.10E-08	5.89E-08	2.16E-08
4736	484363.1	3860877	1.97E-04	1.92E-04	1.89E-04	6.81E-08	2.06E-07	1.19E-07	1.16E-07	1.05E-07	4.80E-08	4.74E-08	0.00E+00	0.00E+00	2.19E-08	3.94E-09	2.50E-08	3.86E-09	3.67E-09	5.84E-08	6.21E-08	2.28E-08	3.10E-08	1.16E-08	6.21E-08	2.28E-08
4737	484863.1	3860877	2.05E-04	2.00E-04	1.97E-04	7.09E-08	2.14E-07	1.24E-07	1.21E-07	1.10E-07	5.01E-08	4.94E-08	0.00E+00	0.00E+00	2.28E-08	4.11E-09	2.61E-08	4.02E-09	3.82E-09	6.08E-08	6.47E-08	2.37E-08	3.23E-08	1.21E-08	6.47E-08	2.37E-08
4738	485363.1	3860877	2.15E-04	2.10E-04	2.07E-04	7.45E-08	2.25E-07	1.30E-07	1.27E-07	1.15E-07	5.26E-08	5.19E-08	0.00E+00	0.00E+00	2.40E-08	4.32E-09	2.74E-08	4.22E-09	4.02E-09	6.39E-08	6.80E-08	2.49E-08	3.39E-08	1.27E-08	6.80E-08	2.49E-08
4739	485863.1	3860877	2.30E-04	2.24E-04	2.21E-04	7.96E-08	2.40E-07	1.39E-07	1.36E-07	1.23E-07	5.61E-08	5.54E-08	0.00E+00	0.00E+00	2.56E-08	4.61E-09	2.92E-08	4.51E-09	4.29E-09	6.82E-08	7.25E-08	2.66E-08	3.62E-08	1.35E-08	7.25E-08	2.66E-08
4740	486363.1	3860877	2.46E-04	2.40E-04	2.36E-04	8.50E-08	2.57E-07	1.49E-07	1.45E-07	1.31E-07	6.00E-08	5.92E-08	0.00E+00	0.00E+00	2.73E-08	4.92E-09	3.12E-08	4.82E-09	4.58E-09	7.29E-08	7.75E-08	2.84E-08	3.87E-08	1.45E-08	7.75E-08	2.84E-08
4741	486863.1	3860877	2.65E-04	2.58E-04	2.55E-04	9.16E-08	2.77E-07	1.60E-07	1.56E-07	1.42E-07	6.46E-08	6.38E-08	0.00E+00	0.00E+00	2.95E-08	5.30E-09	3.37E-08	5.19E-09	4.94E-09	7.86E-08	8.35E-08	3.06E-08	4.17E-08	1.56E-08	8.35E-08	3.06E-08
4742	487363.1	3860877	2.85E-04	2.78E-04	2.74E-04	9.85E-08	2.97E-07	1.72E-07	1.68E-07	1.52E-07	6.95E-08	6.86E-08	0.00E+00	0.00E+00	3.17E-08	5.70E-09	3.62E-08	5.58E-09	5.31E-09	8.45E-08	8.98E-08	3.29E-08	4.48E-08	1.68E-08	8.98E-08	3.29E-08
4743	487863.1	3860877	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.83E-07	1.66E-07	7.56E-08	7.46E-08	0.00E+00	0.00E+00	3.45E-08	6.20E-09	3.94E-08	6.07E-09	5.78E-09	9.19E-08	9.77E-08	3.58E-08	4.88E-08	1.82E-08	9.77E-08	3.58E-08
4744	488363.1	3860877	3.42E-04	3.34E-04	3.30E-04	1.18E-07	3.58E-07	2.07E-07	2.02E-07	1.83E-07	8.36E-08	8.25E-08	0.00E+00	0.00E+00	3.81E-08	6.86E-09	4.35E-08	6.71E-09	6.39E-09	1.02E-07	1.08E-07	3.96E-08	5.39E-08	2.01E-08	1.08E-07	3.96E-08
4745	488863.1	3860877	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.27E-07	2.22E-07	2.01E-07	9.18E-08	9.06E-08	0.00E+00	0.00E+00	4.18E-08	7.53E-09	4.78E-08	7.37E-09	7.01E-09	1.12E-07	1.19E-07	4.35E-08	5.92E-08	2.21E-08	1.19E-07	4.35E-08
4746	489363.1	3860877	4.23E-04	4.13E-04	4.07E-04	1.46E-07	4.42E-07	2.56E-07	2.50E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.71E-08	8.48E-09	5.38E-08	8.30E-09	7.90E-09	1.26E-07	1.34E-07	4.90E-08	6.67E-08	2.49E-08	1.34E-07	4.90E-08
4747	489863.1	3860877	4.88E-04	4.76E-04	4.70E-04	1.69E-07	5.10E-07	2.95E-07	2.88E-07	2.61E-07	1.19E-07	1.18E-07	0.00E+00	0.00E+00	5.43E-08	9.78E-09	6.20E-08	9.57E-09	9.10E-09	1.45E-07	1.54E-07	5.65E-08	7.69E-08	2.87E-08	1.54E-07	5.65E-08
4748	490363.1	3860877	5.87E-04	5.73E-04	5.66E-04	2.03E-07	6.14E-07	3.55E-07	3.47E-07	3.14E-07	1.43E-07	1.42E-07	0.00E+00	0.00E+00	6.54E-08	1.18E-08	7.47E-08	1.15E-08	1.10E-08	1.74E-07	1.85E-07	6.80E-08	9.25E-08	3.46E-08	1.85E-07	6.80E-08
4749	490863.1	3860877	7.55E-04	7.37E-04	7.27E-04	2.62E-07	7.90E-07	4.57E-07	4.46E-07	4.04E-07	1.85E-07	1.82E-07	0.00E+00	0.00E+00	8.41E-08	1.51E-08	9.61E-08	1.48E-08	1.41E-08	2.24E-07	2.38E-07	8.75E-08	1.19E-07	4.45E-08	2.38E-07	8.75E-08
4750	491363.1	3860877	1.09E-03	1.06E-03	1.05E-03	3.77E-07	1.14E-06	6.59E-07	6.43E-07	5.83E-07	2.66E-07	2.62E-07	0.00E+00	0.00E+00	1.21E-07	2.18E-08	1.38E-07	2.13E-08	2.03E-08	3.23E-07	3.44E-07	1.26E-07	1.71E-07	6.41E-08	3.44E-07	1.26E-07
4751	491863.1	3860877	2.37E-03	2.31E-03	2.28E-03	8.20E-07	2.48E-06	1.43E-06	1.40E-06	1.27E-06	5.79E-07	5.71E-07	0.00E+00	0.00E+00	2.64E-07	4.75E-08	3.01E-07	4.65E-08	4.42E-08	7.03E-07	7.48E-07	2.74E-07	3.73E-07	1.39E-07	7.48E-07	2.74E-07
4752	492363.1	3860877	1.28E-02	1.25E-02	1.24E-02	4.44E-06	1.34E-05	7.76E-06	7.57E-06	6.87E-06	3.13E-06	3.09E-06	0.00E+00	0.00E+00	1.43E-06	2.57E-07	1.63E-06	2.52E-07	2.39E-07	3.81E-06	4.05E-06	1.49E-06	2.02E-06	7.55E-07	4.05E-06	1.49E-06
4753	492863.1	3860877	3.77E-03	3.67E-03	3.63E-03	1.30E-06	3.94E-06	2.28E-06	2.22E-06	2.02E-06	9.19E-07	9.07E-07	0.00E+00	0.00E+00	4.19E-07	7.55E-08	4.79E-07	7.38E-08	7.03E-08	1.12E-06	1.19E-06	4.36E-07	5.93E-07	2.22E-07	1.19E-06	4.36E-07
4754	493363.1	3860877	2.37E-03	2.32E-03	2.28E-03	8.21E-07	2.48E-06	1.44E-06	1.40E-06	1.27E-06	5.80E-07	5.72E-07	0.00E+00	0.00E+00	2.64E-07	4.76E-08	3.02E-07	4.65E-08	4.43E-08	7.04E-07	7.49E-07	2.75E-07	3.74E-07	1.40E-07	7.49E-07	2.75E-07
4755	493863.1	3860877	1.85E-03	1.81E-03	1.78E-03	6.41E-07	1.94E-06	1.12E-06	1.09E-06	9.91E-07	4.52E-07	4.46E-07	0.00E+00	0.00E+00	2.06E-07	3.71E-08	2.36E-07	3.63E-08	3.46E-08	5.50E-07	5.85E-07	2.14E-07	2.92E-07	1.09E-07	5.85E-07	2.14E-07
4756	494363.1	3860877	1.56E-03	1.52E-03	1.50E-03	5.39E-07	1.63E-06	9.42E-07	9.19E-07	8.33E-07	3.80E-07	3.75E-07	0.00E+00	0.00E+00	1.73E-07	3.12E-08	1.98E-07	3.05E-08	2.91E-08	4.62E-07	4.91E-07	1.80E-07	2.45E-07	9.17E-08	4.91E-07	1.80E-07
4757	494863.1	3860877	1.33E-03	1.30E-03	1.28E-03	4.61E-07	1.39E-06	8.07E-07	7.87E-07	7.13E-07	3.26E-07	3.21E-07	0.00E+00	0.00E+00	1.48E-07	2.67E-08	1.70E-07	2.61E-08	2.49E-08	3.96E-07	4.21E-07	1.54E-07	2.10E-07	7.85E-08	4.21E-07	1.54E-07
4758	495363.1	3860877	1.16E-03	1.14E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	6.87E-07	6.23E-07	2.84E-07	2.81E-07	0.00E+00	0.00E+00	1.30E-07	2.33E-08	1.48E-07	2.28E-08	2.17E-08	3.46E-07	3.67E-07	1.35E-07	1.83E-07	6.85E-08	3.67E-07	1.35E-07
4759	495863.1	3860877	1.05E-03	1.03E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.22E-07	5.64E-07	2.57E-07	2.54E-07	0.00E+00	0.00E+00	1.17E-07	2.11E-08	1.34E-07	2.07E-08	1.97E-08	3.13E-07	3.33E-07	1.22E-07	1.66E-07	6.21E-08	3.33E-07	1.22E-07
4760	496363.1	3860877	9.01E-04	8.79E-04	8.68E-04	3.12E-07	9.42E-07	5.45E-07	5.32E-07	4.82E-07	2.20E-07	2.17E-07	0.00E+00	0.00E+00	1.00E-07	1.81E-08	1.15E-07	1.77E-08	1.68E-08	2.67E-07	2.84E-07	1.04E-07	1.42E-07	5.30E-08	2.84E-07	1.04E-07
4761	496863.1	3860877	7.34E-04	7.17E-04	7.07E-04	2.54E-07	7.68E-07	4.44E-07	4.34E-07	3.93E-07	1.79E-07	1.77E-07	0.00E+00	0.00E+00	8.17E-08	1.47E-08	9.34E-08	1.44E-08	1.37E-08	2.18E-07	2.32E-07	8.50E-08	1.16E-07	4.32E-08	2.32E-07	8.50E-08
4762	497363.1	3860877	6.89E-04	6.72E-04	6.63E-04	2.38E-07	7.20E-07	4.17E-07	4.07E-07	3.69E-07	1.68E-07	1.66E-07	0.00E+00	0.00E+00	7.67E-08	1.38E-08	8.76E-08	1.35E-08	1.29E-08	2.04E-07	2.17E-07	7.97E-08	1.08E-07	4.05E-08	2.17E-07	7.97E-08
4763	497863.1	3860877	6.31E-04	6.16E-04	6.08E-04	2.18E-07	6.60E-07	3.82E-07	3.73E-07	3.38E-07	1.54E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.26E-08	8.02E-08	1.24E-08	1.18E-08	1.87E-07	1.99E-07	7.30E-08	9.94E-08	3.71E-08	1.99E-07	7.30E-08
4764	498363.1	3860877	6.38E-04	6.22E-04	6.14E-04	2.21E-07	6.66E-07	3.86E-07	3.77E-07	3.41E-07	1.56E-07	1.54E-07	0.00E+00	0.00E+00	7.10E-08	1.28E-08	8.11E-08	1.25E-08	1.19E-08	1.89E-07	2.01E-07	7.38E-08	1.00E-07	3.75E-08	2.01E-07	7.38E-08
4765	471363.1	3861377	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	0.00E+00	0.00E+00	9.65E-09	1.74E-09	1.10E-08	1.70E-09	1.62E-09	2.57E-08	2.74E-08	1.00E-08	1.37E-08	5.10E-09	2.74E-08	1.00E-08
4766	471863.1	3861377	8.84E-05	8.62E-05	8.51E-05	3.06E-08	9.24E-08	5.35E-08	5.22E-08	4.73E-08	2.16E-08	2.13E-08	0.00E+00	0.00E+00	9.84E-09	1.77E-09	1.12E-08	1.73E-09	1.65E-09	2.62E-08	2.79E-08	1.02E-08	1.39E-08	5.20E-09	2.79E-08	1.02E-08
4767	472363.1	3861377	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	0.00E+00	0.00E+00	1.00E-08	1.80E-09	1.14E-08	1.77E-09	1.68E-09	2.67E-08	2.84E-08	1.04E-08	1.42E-08	5.30E-09	2.84E-08	1.04E-08

4768	472863.1	3861377	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.17E-08	1.81E-09	1.72E-09	2.73E-08	2.91E-08	1.07E-08	1.45E-08	5.42E-09	2.91E-08	1.07E-08
4769	473363.1	3861377	9.38E-05	9.15E-05	9.03E-05	3.25E-08	9.80E-08	5.67E-08	5.54E-08	5.02E-08	2.29E-08	2.26E-08	0.00E+00	0.00E+00	1.04E-08	1.88E-09	1.19E-08	1.84E-09	1.75E-09	2.78E-08	2.96E-08	1.09E-08	1.48E-08	5.52E-09	2.96E-08	1.09E-08
4770	473863.1	3861377	9.54E-05	9.31E-05	9.19E-05	3.30E-08	9.97E-08	5.77E-08	5.63E-08	5.11E-08	2.33E-08	2.30E-08	0.00E+00	0.00E+00	1.06E-08	1.91E-09	1.21E-08	1.87E-09	1.78E-09	2.83E-08	3.01E-08	1.10E-08	1.50E-08	5.62E-09	3.01E-08	1.10E-08
4771	474363.1	3861377	9.71E-05	9.47E-05	9.35E-05	3.36E-08	1.01E-07	5.87E-08	5.73E-08	5.20E-08	2.37E-08	2.34E-08	0.00E+00	0.00E+00	1.08E-08	1.95E-09	1.23E-08	1.90E-09	1.81E-09	2.88E-08	3.06E-08	1.12E-08	1.53E-08	5.72E-09	3.06E-08	1.12E-08
4772	474863.1	3861377	9.87E-05	9.64E-05	9.51E-05	3.42E-08	1.03E-07	5.97E-08	5.83E-08	5.28E-08	2.41E-08	2.38E-08	0.00E+00	0.00E+00	1.10E-08	1.98E-09	1.26E-08	1.94E-09	1.84E-09	2.93E-08	3.12E-08	1.14E-08	1.56E-08	5.81E-09	3.12E-08	1.14E-08
4773	475363.1	3861377	1.01E-04	9.84E-05	9.71E-05	3.49E-08	1.05E-07	6.10E-08	5.95E-08	5.40E-08	2.46E-08	2.43E-08	0.00E+00	0.00E+00	1.12E-08	2.02E-09	1.28E-08	1.98E-09	1.88E-09	2.99E-08	3.18E-08	1.17E-08	1.59E-08	5.93E-09	3.18E-08	1.17E-08
4774	475863.1	3861377	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	0.00E+00	0.00E+00	1.14E-08	2.05E-09	1.30E-08	2.00E-09	1.90E-09	3.03E-08	3.22E-08	1.18E-08	1.61E-08	6.01E-09	3.22E-08	1.18E-08
4775	476363.1	3861377	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	0.00E+00	0.00E+00	1.13E-08	2.04E-09	1.29E-08	1.99E-09	1.90E-09	3.02E-08	3.21E-08	1.18E-08	1.60E-08	5.98E-09	3.21E-08	1.18E-08
4776	476863.1	3861377	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	0.00E+00	0.00E+00	1.13E-08	2.03E-09	1.29E-08	1.99E-09	1.89E-09	3.00E-08	3.19E-08	1.17E-08	1.59E-08	5.96E-09	3.19E-08	1.17E-08
4777	477363.1	3861377	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	0.00E+00	0.00E+00	1.13E-08	2.04E-09	1.29E-08	1.99E-09	1.90E-09	3.02E-08	3.21E-08	1.18E-08	1.60E-08	5.98E-09	3.21E-08	1.18E-08
4778	477863.1	3861377	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	0.00E+00	0.00E+00	1.06E-08	1.90E-09	1.21E-08	1.86E-09	1.77E-09	2.82E-08	3.00E-08	1.10E-08	1.50E-08	5.59E-09	3.00E-08	1.10E-08
4779	478363.1	3861377	8.01E-05	7.81E-05	7.71E-05	2.77E-08	8.37E-08	4.84E-08	4.73E-08	4.29E-08	1.96E-08	1.93E-08	0.00E+00	0.00E+00	8.91E-09	1.60E-09	1.02E-08	1.57E-09	1.49E-09	2.38E-08	2.53E-08	9.27E-09	1.26E-08	4.71E-09	2.53E-08	9.27E-09
4780	478863.1	3861377	8.63E-05	8.42E-05	8.31E-05	2.99E-08	9.02E-08	5.22E-08	5.10E-08	4.62E-08	2.11E-08	2.08E-08	0.00E+00	0.00E+00	9.61E-09	1.73E-09	1.10E-08	1.69E-09	1.61E-09	2.56E-08	2.72E-08	9.99E-09	1.36E-08	5.08E-09	2.72E-08	9.99E-09
4781	479363.1	3861377	1.10E-04	1.07E-04	1.05E-04	3.79E-08	1.14E-07	6.63E-08	6.47E-08	5.86E-08	2.67E-08	2.64E-08	0.00E+00	0.00E+00	1.22E-08	2.20E-09	1.39E-08	2.15E-09	2.04E-09	3.25E-08	3.46E-08	1.27E-08	1.73E-08	6.45E-09	3.46E-08	1.27E-08
4782	479863.1	3861377	1.22E-04	1.19E-04	1.17E-04	4.22E-08	1.27E-07	7.38E-08	7.20E-08	6.53E-08	2.98E-08	2.94E-08	0.00E+00	0.00E+00	1.36E-08	2.44E-09	1.55E-08	2.39E-09	2.28E-09	3.62E-08	3.85E-08	1.41E-08	1.92E-08	7.18E-09	3.85E-08	1.41E-08
4783	480363.1	3861377	1.32E-04	1.28E-04	1.27E-04	4.55E-08	1.37E-07	7.96E-08	7.77E-08	7.04E-08	3.21E-08	3.17E-08	0.00E+00	0.00E+00	1.46E-08	2.64E-09	1.67E-08	2.58E-09	2.45E-09	3.90E-08	4.15E-08	1.52E-08	2.07E-08	7.74E-09	4.15E-08	1.52E-08
4784	480863.1	3861377	1.37E-04	1.34E-04	1.32E-04	4.75E-08	1.44E-07	8.31E-08	8.11E-08	7.35E-08	3.35E-08	3.31E-08	0.00E+00	0.00E+00	1.53E-08	2.75E-09	1.75E-08	2.69E-09	2.56E-09	4.08E-08	4.33E-08	1.59E-08	2.16E-08	8.08E-09	4.33E-08	1.59E-08
4785	481363.1	3861377	1.43E-04	1.39E-04	1.37E-04	4.94E-08	1.49E-07	8.64E-08	8.43E-08	7.64E-08	3.49E-08	3.44E-08	0.00E+00	0.00E+00	1.59E-08	2.86E-09	1.81E-08	2.80E-09	2.66E-09	4.24E-08	4.50E-08	1.65E-08	2.25E-08	8.40E-09	4.50E-08	1.65E-08
4786	481863.1	3861377	1.49E-04	1.45E-04	1.43E-04	5.14E-08	1.55E-07	8.99E-08	8.77E-08	7.95E-08	3.63E-08	3.58E-08	0.00E+00	0.00E+00	1.65E-08	2.98E-09	1.89E-08	2.91E-09	2.77E-09	4.41E-08	4.69E-08	1.72E-08	2.34E-08	8.74E-09	4.69E-08	1.72E-08
4787	482363.1	3861377	1.54E-04	1.50E-04	1.48E-04	5.33E-08	1.61E-07	9.31E-08	9.09E-08	8.24E-08	3.76E-08	3.71E-08	0.00E+00	0.00E+00	1.71E-08	3.08E-09	1.96E-08	3.02E-09	2.87E-09	4.57E-08	4.86E-08	1.78E-08	2.42E-08	9.06E-09	4.86E-08	1.78E-08
4788	482863.1	3861377	1.58E-04	1.55E-04	1.53E-04	5.49E-08	1.66E-07	9.59E-08	9.36E-08	8.48E-08	3.87E-08	3.82E-08	0.00E+00	0.00E+00	1.76E-08	3.18E-09	2.02E-08	3.11E-09	2.96E-09	4.70E-08	5.00E-08	1.83E-08	2.50E-08	9.33E-09	5.00E-08	1.83E-08
4789	483363.1	3861377	1.65E-04	1.61E-04	1.59E-04	5.70E-08	1.72E-07	9.97E-08	9.72E-08	8.82E-08	4.02E-08	3.97E-08	0.00E+00	0.00E+00	1.83E-08	3.30E-09	2.09E-08	3.23E-09	3.07E-09	4.89E-08	5.20E-08	1.91E-08	2.59E-08	9.70E-09	5.20E-08	1.91E-08
4790	483863.1	3861377	1.71E-04	1.67E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.01E-07	9.17E-08	4.18E-08	4.13E-08	0.00E+00	0.00E+00	1.91E-08	3.43E-09	2.18E-08	3.36E-09	3.20E-09	5.09E-08	5.41E-08	1.98E-08	2.70E-08	1.01E-08	5.41E-08	1.98E-08
4791	484363.1	3861377	1.79E-04	1.74E-04	1.72E-04	6.19E-08	1.87E-07	1.08E-07	1.06E-07	9.57E-08	4.37E-08	4.31E-08	0.00E+00	0.00E+00	1.99E-08	3.58E-09	2.27E-08	3.51E-09	3.34E-09	5.31E-08	5.64E-08	2.07E-08	2.82E-08	1.05E-08	5.64E-08	2.07E-08
4792	484863.1	3861377	1.86E-04	1.82E-04	1.79E-04	6.45E-08	1.95E-07	1.13E-07	1.10E-07	9.97E-08	4.55E-08	4.49E-08	0.00E+00	0.00E+00	2.07E-08	3.73E-09	2.37E-08	3.65E-09	3.48E-09	5.53E-08	5.88E-08	2.16E-08	2.93E-08	1.10E-08	5.88E-08	2.16E-08
4793	485363.1	3861377	1.93E-04	1.88E-04	1.86E-04	6.68E-08	2.02E-07	1.17E-07	1.14E-07	1.03E-07	4.71E-08	4.65E-08	0.00E+00	0.00E+00	2.15E-08	3.87E-09	2.45E-08	3.78E-09	3.60E-09	5.73E-08	6.09E-08	2.23E-08	3.04E-08	1.14E-08	6.09E-08	2.23E-08
4794	485863.1	3861377	2.02E-04	1.98E-04	1.95E-04	7.01E-08	2.12E-07	1.23E-07	1.20E-07	1.08E-07	4.94E-08	4.88E-08	0.00E+00	0.00E+00	2.25E-08	4.06E-09	2.57E-08	3.97E-09	3.78E-09	6.01E-08	6.39E-08	2.34E-08	3.19E-08	1.19E-08	6.39E-08	2.34E-08
4795	486363.1	3861377	2.15E-04	2.10E-04	2.07E-04	7.44E-08	2.25E-07	1.30E-07	1.27E-07	1.15E-07	5.25E-08	5.18E-08	0.00E+00	0.00E+00	2.39E-08	4.31E-09	2.73E-08	4.21E-09	4.01E-09	6.38E-08	6.78E-08	2.49E-08	3.39E-08	1.27E-08	6.78E-08	2.49E-08
4796	486863.1	3861377	2.30E-04	2.24E-04	2.21E-04	7.96E-08	2.40E-07	1.39E-07	1.36E-07	1.23E-07	5.61E-08	5.54E-08	0.00E+00	0.00E+00	2.56E-08	4.61E-09	2.92E-08	4.51E-09	4.29E-09	6.82E-08	7.25E-08	2.66E-08	3.62E-08	1.35E-08	7.25E-08	2.66E-08
4797	487363.1	3861377	2.46E-04	2.40E-04	2.36E-04	8.50E-08	2.57E-07	1.49E-07	1.45E-07	1.31E-07	6.00E-08	5.92E-08	0.00E+00	0.00E+00	2.73E-08	4.92E-09	3.12E-08	4.82E-09	4.58E-09	7.29E-08	7.75E-08	2.84E-08	3.87E-08	1.45E-08	7.75E-08	2.84E-08
4798	487863.1	3861377	2.63E-04	2.57E-04	2.54E-04	9.12E-08	2.75E-07	1.59E-07	1.56E-07	1.41E-07	6.43E-08	6.35E-08	0.00E+00	0.00E+00	2.93E-08	5.28E-09	3.35E-08	5.17E-09	4.92E-09	7.82E-08	8.31E-08	3.05E-08	4.15E-08	1.55E-08	8.31E-08	3.05E-08
4799	488363.1	3861377	2.84E-04	2.77E-04	2.74E-04	9.84E-08	2.97E-07	1.72E-07	1.68E-07	1.52E-07	6.94E-08	6.85E-08	0.00E+00	0.00E+00	3.16E-08	5.70E-09	3.61E-08	5.57E-09	5.30E-09	8.43E-08	8.97E-08	3.29E-08	4.48E-08	1.67E-08	8.97E-08	3.29E-08
4800	488863.1	3861377	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.83E-07	1.66E-07	7.56E-08	7.46E-08	0.00E+00	0.00E+00	3.45E-08	6.20E-09	3.94E-08	6.07E-09	5.78E-09	9.19E-08	9.77E-08	3.58E-08	4.88E-08	1.82E-08	9.77E-08	3.58E-08
4801	489363.1	3861377	3.37E-04	3.29E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.24E-08	8.13E-08	0.00E+00	0.00E+00	3.75E-08	6.76E-09	4.29E-08	6.61E-09	6.29E-09	1.00E-07	1.06E-07	3.90E-08	5.31E-08	1.99E-08	1.06E-07	3.90E-08
4802	489863.1	3861377	3.75E-04	3.66E-04	3.62E-04	1.30E-07	3.92E-07	2.27E-07	2.22E-07	2.01E-07	9.17E-08	9.05E-08	0.00E+00	0.00E+00	4.18E-08	7.52E-09	4.77E-08	7.36E-09	7.01E-09	1.11E-07	1.19E-07	4.35E-08	5.91E-08	2.21E-08	1.19E-07	4.35E-08
4803	490363.1	3861377	4.29E-04	4.19E-04	4.13E-04	1.48E-07	4.48E-07	2.60E-07	2.53E-07	2.30E-07	1.05E-07	1.03E-07	0.00E+00	0.00E+00	4.78E-08	8.60E-09	5.46E-08	8.41E-09	8.00E-09	1.27E-07	1.35E-07	4.97E-08	6.76E-08	2.53E-08	1.35E-07	4.97E-08
4804	490863.1	3861377	5.06E-04	4.94E-04	4.87E-04	1.75E-07	5.29E-07	3.06E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.63E-08	1.01E-08	6.43E-08	9.92E-09	9.44E-09	1.50E-07	1.60E-07	5.85E-08	7.97E-08	2.98E-08	1.60E-07	5.85E-08
4805	491363.1	3861377	6.31E-04	6.15E-04	6.07E-04	2.18E-07	6.59E-07	3.82E-07	3.72E-07	3.38E-07	1.54E-07	1.52E-07	0.00E+00	0.00E+00	7.02E-08	1.26E-08	8.02E-08	1.24E-08	1.18E-08	1.87E-07	1.99E-07	7.30E-08	9.93E-08	3.71E-08	1.99E-07	7.30E-08
4806	491863.1	3861377	8.73E-04	8.52E-04	8.40E-04	3.02E-07	9.12E-07	5.28E-07	5.15E-07	4.67E-07	2.13E-07	2.10E-07	0.00E+00	0.00E+00	9.72E-08	1.75E-08	1.11E-07	1.71E-08	1.63E-08	2.59E-07	2.76E-07	1.01E-07	1.38E-07	5.14E-08	2.76E-07	1.01E-07
4807	492363.1	3861377	1.53E-03	1.50E-03	1.48E-03	5.31E-07	1.60E-06	9.28E-07	9.06E-07	8.21E-07	3.75E-07	3.70E-07	0.00E+00	0.00E+00	1.71E-07	3.07E-08	1.95E-07	3.01E-08	2.86E-08	4.55E-07	4.84E-07	1.78E-07	2.42E-07	9.03E-08	4.84E-07	1.78E-07
4808	492863.1	3861377	5.32E-03	5.20E-03	5.13E-03	1.84E-06	5.57E-06	3.22E-06	3.14E-06	2.85E-06	1.30E-06	1.28E-06	0.00E+00	0.00E+00	5.93E-07	1.07E-07	6.77E-07	1.04E-07	9.94E-08	1.58E-06	1.68E-06	6.16E-07	8.39E-07	3.13E-07	1.68E-06	6.16E-07
4809	493363.1	3861377	2.33E-02	2.28E-02	2.25E-02	8.07E-06	2.44E-05	1.41E-05	1.38E-05	1.25E-05	5.69E-06	5.62E-06	0.00E+00	0.00E+00	2.60E-06	4.67E-07	2.97E-06	4.57E-07	4.35E-07	6.92E-06	7.36E-06	2.70E-06	3.67E-06	1.37E-06	7.36E-06	2.70E-06
4810	493863.1	3861377	7.09E-03	6.92E-03	6.83E-03	2.46E-06	7.42E-06	4.29E-06	4.19E-06	3.80E-06	1.73E-06	1.71E-06	0.00E+00	0.00E+00	7.90E-07	1.42E-07	9.02E-07	1.39E-07	1.32E-07	2.11E-06	2.24E-06	8.21E-07	1.12E-06	4.18E-07	2.24E-06	8.21E-07
4811	494363.1	3861377	4.12E-03	4.02E-03	3.97E-03	1.43E-06	4.31E-06	2.49E-06	2.43E-06	2.21E-06	1.01E-06	9.93E-07	0.00E+00	0.00E+00	4.59E-07	8.26E-08	5.24E-07	8.08E-08	7.69E-08	1.22E-06	1.30E-06	4.77E-07	6.49E-07	2.43E-07	1.30E-06	4.77E-07
4812	494863.1	3861377	2.90E-03	2.83E-03	2.79E-03	1.00E-06	3.03E-06	1.75E-06	1.71E-06	1.55E-06	7.08E-07	6.99E-07	0.00E+00	0.00E+00	3.23E-07	5.81E-08	3.69E-07	5.69E-08	5.41E-08	8.60E-07	9.15E-07	3.36E-07	4.57E-07	1.71E-07	9.15E-07	3.36E-07
4813	495363.1	3861377	2.27E-03	2.21E-03	2.18E-03	7.85E-07	2.37E-06	1.37E-06	1.34E-06	1.21E-06	5.54E-07	5.46E-07	0.00E+00	0.00E+00	2.52E-07	4.54E-08	2.88E-07	4.45E-08	4.23E-08	6.73E-07	7.16E-07	2.62E-07	3.57E-07	1.33E-07	7.16E-07	2.62E-07
4814	495863.1	3861377	1.89E-03	1.84E-03	1.82E-03	6.54E-07	1.98E-06	1.14E-06	1.12E-06	1.01E-06	4.62E-07	4.56E-07	0.00E+00	0.00E+00	2.10E-07	3.79E-08	2.40E-07	3.71E-08	3.53E-08	5.61E-07	5.97E-07	2.19E-07	2.98E-07	1.11E-07	5.97E-07	2.19E-07
4815	496363.1	3861377	1.57E-03	1.53E-03	1.51E-03	5.42E-07	1.64E-06	9.48E-07	9.25E-07	8.38E-07	3.83E-07	3.78E-07	0.00E+00	0.00E+00	1.74E-07	3.14E-08	1.99E-07	3.07E-08	2.92E-08	4.65E-07	4.94E-07	1.81E-07	2.47E-07	9.22E-08	4.94E-07	1.81E-07
4816	496863.1	3861377	1.23E-03	1.20E-03	1.18E-03	4.24E-07	1.28E-06	7.42E-07	7.24E-07	6.56E-07	2.99E-07	2.95E-07	0.00E+00	0.00E+00	1.36E-07	2.46E-08	1.56E-07	2.40E-08	2.29E-08	3.64E-07	3.87E-07	1.42E-07	1.93E-07	7.21E-08	3.87E-07	1.42E-07
4817	497363.1	3861377	1.07E-03	1.05E-03	1.03E-03	3.72E-07	1.12E-06	6.50E-07	6.34E-07	5.75E-07	2.62E-07	2.59E-07	0.00E+00	0.00E+00	1.20E-07	2.15E-08	1.37E-07	2.11E-08	2.00E-08	3.19E-07	3.39E-07	1.24E-07	1.69E-07	6.32E-08	3.39E-07	1.24E-07
4818	497863.1	3861377	9.54E-04	9.31E-04	9.19E-04	3.30E-07	9.97E-07	5.77E-07	5.63E-07	5.11E-07	2.33E-07	2.30E-07	0.00E+00	0.00E+00	1.06E-07	1.91E-08	1.21E-07	1.87E-08	1.78E-08	2.83E-07	3.01E-07	1.10E-07	1.50E-07	5.62E-08	3.01E-07	1.10E-07
4819	498363.1	3861377	8.54E-04	8.33E-04	8.22E-04	2.96E-07	8.92E-07	5.17E-07	5.04E-07	4.57E-07	2.09E-07	2.06E-07	0.00E+00	0.00E+00	9.50E-08	1.71E-08	1.09E-07	1.67E-08	1.59E-08	2.53E-07	2.69E-07	9.88E-08	1.35E-07	5.03E-08	2.69E-07	9.88E-08
4820	471363.1	3861877	8.42E-05	8.22E-05	8.11E-05	2.92E-08	8.80E-08	5.10E-08	4.97E-08	4.51E-08	2.06E-08	2.03E-08	0.00E+00	0.00E+00	9.37E-09	1.69E-09	1.07E-08	1.65E-09	1.57E-09	2.50E-08	2.66E-08	9.75E-09	1.33E-08	4.96E-09	2.66E-08	9.75E-09
4821	471863.1	3861877	8.55E-05	8.34E-05	8.23E-05	2.96E-08	8.93E-08	5.17E-08	5.05E-08	4.57E-08	2.09E-08	2.06E-08	0.00E+00	0.00E+00	9.51E-09	1.71E-09	1.09E-08	1.68E-09	1.59E-09	2.54E-08	2.70E-08	9.89E-09	1.35E-08	5.03E-09	2.70E-08	9.89E-09
4822	472363.1	3861877	8.71E-05	8.50E-05	8.39E-05	3.02E-08	9.11E-08	5.27E-08	5.14E-08	4.66E-08	2.13E-08	2.10E-08	0.00E+00	0.00E+00	9.70E-09	1.75E-09	1.11E-08	1.71E-09	1.63E-09	2.59E-08	2.75E-08	1.01E-08	1.37E-08	5.13E-09	2.75E-08	1.01E-08
4823	472863.1	3861877	8.92E-05	8.70E-05	8.59E-05	3.09E-08	9.32E-08	5.40E-08	5.27E-08	4.77E-08	2.18E-08	2.15E-08	0.00E+00	0.00E+00	9.93E-09	1.79E-09	1.13E-08	1.75E-09	1.66E-09	2.65E-08	2.82E-08	1.03E-08	1.41E-08	5.25E-09	2.82E-08	1.03E-08
4824	473363.1	3861877	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	0.00E+00	0.00E+00	1.01E-08	1.82E-09	1.16E-08	1.78E-09	1.70E-09	2.70E-08	2.87E-08	1.05E-08	1.43E-08	5.35E-09	2.87E-08	1.05E-08
4825	473863.1	3861877	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.18E-08	1.81E-09	1.73E-09	2.75E-08	2.92E-08	1.07E-08	1.46E-08	5.45E-09	2.92E-08	1.07E-08
4826	474363.1	3861877	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	0.00E+00	0.00E+00	1.05E-08	1.89E-09	1.20E-08	1.85E-09	1.76E-09	2.80E-08	2.97E-08	1.09E-08	1.48E-08	5.54E-09	2.97E-08	1.09E-08
4827	474863.1	3861877	9.58E-05	9.35E-05	9.23E-05	3.32E-08	1.00E-07	5.80E-08	5.66E-08	5.13E-08	2.34E-08	2.31E-08	0.00E+00	0.00E+00	1.07E-08	1.92E-09	1.22E-08	1.88E-09	1.79E-09	2.84E-08	3.02E-08	1.11E-08	1.51E-08	5.64E-09	3.02E-08	1.11E-08
4828	475363.1	3861877	9.75E-05	9.51E-05	9.39E-05	3.37E-08	1.02E-07	5.90E-08	5.76E-08	5.22E-08	2.38E-08	2.35E-08	0.00E+00	0.00E+00	1.09E-08	1.95E-09	1.24E-08	1.91E-09	1.82E-09	2.89E-08	3.08E-08	1.13E-08	1.54E-08	5.74E-09	3.08E-08	1.13E-08
4829	475863.1	3861877	1.00E-04	9.76E-05	9.63E-05	3.46E-08	1.05E-07	6.05E-08	5.90E-08	5.35E-08	2.44E-08	2.41E-08	0.00E+00	0.00E+00	1.11E-08	2.00E-09	1.27E-08	1.96E-09	1.87E-09	2.97E-08	3.16E-08	1.16E-08	1.58E-08	5.89E-09	3.16E-08	1.16E-08
4830	476363.1	3861877	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	0.00E+00	0.00E+00	1.13E-08	2.04E-09	1.29E-08	1.99E-09	1.90E-09	3.02E-08	3.21E-08	1.18E-08	1.60E-08	5.98E-09	3.21E-08	1.18E-08
4831	476863.1	3861877	1.03E-04	1.00E-04	9.91E-05	3.56E-08	1.08E-07	6.23E-08	6.07E-08	5.51E-08	2.51E-08	2.48E-08	0.00E+00	0.00E+00	1.15E-08	2.06E-09	1.31E-08	2.02E-09	1.92E-09	3.05E-08	3.25E-08	1.19E-08	1.62E-08	6.06E-09	3.25E-08	1.19E-08
4832	477363.1	3861877	1.03E-04	1.00E-04	9.91E-05	3.56E-08	1.08E-07	6.23E-08	6.07E-08	5.51E-08	2.51E-08	2.48E-08	0.00E+00	0.00E+00	1.15E-08	2.06E-09	1.31E-08	2.02E-09	1.92E-09	3.05E-08	3.25E-08	1.19E-08	1.62E-08	6.06E-09	3.25E-08	1.19E-08
4833	477863.1	3861877	9.29E-05	9.07E-05	8.95E-05	3.22E-08	9.71E-08	5.62E-08	5.49E-08	4.97E-08	2.27E-08	2.24E-08	0.00E+00	0.00E+00	1.03E-08	1.86E-09	1.18E-08	1.82E-09	1.73E-09	2.76E-08	2.93E-08	1.08E-08	1.46E-08	5.47E-09	2.93E-08	1.08E-08
4834	478363.1	3861877	7.38E-05	7.21E-05	7.11E-05	2.56E-08	7.72E-08	4.47E-08	4.36E-08	3.95E-08	1.80E-08	1.78E-08	0.00E+00	0.00E+00	8.22E-09	1.48E-09	9.39E-09	1.45E-09	1.38E-09	2.19E-08	2.33E-08	8.55E-09	1.16E-08	4.35E-09	2.33E-08	8.55E-09
4835	478863.1	3861877	8.71E-05	8.50E-05	8.39E-05	3.02E-08	9.11E-08	5.27E-08	5.14E-08	4.66E-08	2.13E-08	2.10E-08	0.00E+00	0.00E+00	9.70E-09	1.75E-09	1.11E-08	1.71E-09	1.63E-09	2.59E-08	2.75E-08	1.01E-08	1.37E-08	5.13E-09	2.75E-08	1.01E-08
4836	479363.1	3861877	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	0.00E+00	0.00E+00	9.47E-09	1.70E-09	1.08E-08	1.67E-09	1.59E-09	2.52E-08	2.68E-08	9.85E-09	1.34E-08	5.01E-09	2.68E-08	9.85E-09
4837	479863.1	3861877	1.16E-04	1.13E-04	1.12E-04	4.02E-08	1.21E-07	7.03E-08	6.86E-08	6.22E-08	2.84E-08	2.80E-08	0.00E+00	0.00E+00	1.29E-08	2.33E-09	1.48E-08	2.28E-09	2.17E-09	3.45E-08	3.67E-08	1.34E-08	1.83E-08	6.84E-09	3.67E-08	1.34E-08
4838	480363.1	3861877	1.26E-04	1.23E-04	1.21E-04	4.35E-08	1.31E-07	7.61E-08	7.42E-08	6.73E-08	3.07E-08	3.03E-08	0.00E+00	0.00E+00	1.40E-08	2.52E-09	1.60E-08	2.47E-09	2.35E-09	3.73E-08	3.97E-08	1.46E-08	1.98E-08	7.40E-09	3.97E-08	1.46E-08
4839	480863.1	3861877	1.30E-04	1.27E-04	1.25E-04	4.51E-08	1.36E-07	7.88E-08	7.69E-08	6.97E-08	3.18E-08	3.14E-08	0.00E+00	0.00E+00	1.45E-08	2.61E-09	1.66E-08	2.55E-09	2.43E-09	3.87E-08	4.11E-08	1.51E-08	2.05E-08	7.67E-09	4.11E-08	1.51E-08
4840	481363.1	3861877	1.35E-04	1.32E-04	1.30E-04	4.67E-08	1.41E-07	8.16E-08	7.96E-08	7.22E-08	3.29E-08	3.25E-08	0.00E+00	0.00E+00	1.50E-08	2.70E-09	1.71E-08	2.64E-09	2.52E-09	4.00E-08	4.26E-08	1.56E-08	2.12E-08	7.94E-09	4.26E-08	1.56E-08
4841	481863.1	3861877	1.40E-04	1.37E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.28E-08	7.51E-08	3.42E-08	3.38E-08	0.00E+00	0.00E+00	1.56E-08	2.81E-09	1.78E-08	2.75E-09	2.62E-09	4.16E-08	4.43E-08	1.62E-08	2.21E-08	8.26E-09	4.43E-08	1.62E-08
4842	482363.1	3861877	1.45E-04	1.41E-04	1.39E-04	5.01E-08	1.51E-07	8.76E-08	8.55E-08	7.75E-08	3.54E-08	3.49E-08	0.00E+00	0.00E+00	1.61E-08	2.90E-09	1.84E-08	2.84E-09	2.70E-09	4.30E-08	4.57E-08	1.68E-08	2.28E-08	8.52E-09	4.57E-08	1.68E-08
4843	482863.1	3861877	1.49E-04	1.45E-04	1.43E-04	5.14E-08	1.55E-07	8.99E-08	8.77E-08	7.95E-08	3.63E-08	3.58E-08	0.00E+00	0.00E+00	1.65E-08	2.98E-09	1.89E-08	2.91E-09	2.77E-09	4.41E-08	4.69E-08	1.72E-08	2.34E-08	8.74E-09	4.69E-08	1.72E-08
4844	483363.1	3861877	1.54E-04	1.50E-04	1.48E-04	5.33E-08	1.61E-07	9.31E-08	9.09E-08	8.24E-08	3.76E-08	3.71E-08	0.00E+00	0.00E+00	1.71E-08	3.08E-09	1.96E-08	3.02E-09	2.87E-09	4.57E-08	4.86E-08	1.78E-08	2.42E-08	9.06E-09	4.86E-08	1.78E-08

4845	483863.1	3861877	1.59E-04	1.55E-04	1.53E-04	5.50E-08	1.66E-07	9.61E-08	9.38E-08	8.50E-08	3.88E-08	3.83E-08	0.00E+00	0.00E+00	1.77E-08	3.18E-09	2.02E-08	3.12E-09	2.96E-09	4.72E-08	5.02E-08	1.84E-08	2.50E-08	9.35E-09	5.02E-08	1.84E-08
4846	484363.1	3861877	1.66E-04	1.62E-04	1.59E-04	5.73E-08	1.73E-07	1.00E-07	9.77E-08	8.86E-08	4.04E-08	3.99E-08	0.00E+00	0.00E+00	1.84E-08	3.32E-09	2.11E-08	3.25E-09	3.09E-09	4.91E-08	5.22E-08	1.92E-08	2.61E-08	9.74E-09	5.22E-08	1.92E-08
4847	484863.1	3861877	1.72E-04	1.68E-04	1.66E-04	5.96E-08	1.80E-07	1.04E-07	1.02E-07	9.22E-08	4.20E-08	4.15E-08	0.00E+00	0.00E+00	1.92E-08	3.45E-09	2.19E-08	3.38E-09	3.21E-09	5.11E-08	5.43E-08	1.99E-08	2.71E-08	1.01E-08	5.43E-08	1.99E-08
4848	485363.1	3861877	1.78E-04	1.73E-04	1.71E-04	6.15E-08	1.86E-07	1.07E-07	1.05E-07	9.50E-08	4.34E-08	4.28E-08	0.00E+00	0.00E+00	1.98E-08	3.56E-09	2.26E-08	3.48E-09	3.31E-09	5.27E-08	5.60E-08	2.06E-08	2.80E-08	1.05E-08	5.60E-08	2.06E-08
4849	485863.1	3861877	1.84E-04	1.79E-04	1.77E-04	6.36E-08	1.92E-07	1.11E-07	1.09E-07	9.84E-08	4.49E-08	4.43E-08	0.00E+00	0.00E+00	2.05E-08	3.68E-09	2.34E-08	3.60E-09	3.43E-09	5.45E-08	5.80E-08	2.13E-08	2.90E-08	1.08E-08	5.80E-08	2.13E-08
4850	486363.1	3861877	1.93E-04	1.89E-04	1.86E-04	6.69E-08	2.02E-07	1.17E-07	1.14E-07	1.03E-07	4.72E-08	4.66E-08	0.00E+00	0.00E+00	2.15E-08	3.87E-09	2.46E-08	3.79E-09	3.61E-09	5.74E-08	6.10E-08	2.24E-08	3.05E-08	1.14E-08	6.10E-08	2.24E-08
4851	486863.1	3861877	2.05E-04	2.00E-04	1.97E-04	7.09E-08	2.14E-07	1.24E-07	1.21E-07	1.10E-07	5.01E-08	4.94E-08	0.00E+00	0.00E+00	2.28E-08	4.11E-09	2.61E-08	4.02E-09	3.82E-09	6.08E-08	6.47E-08	2.37E-08	3.23E-08	1.21E-08	6.47E-08	2.37E-08
4852	487363.1	3861877	2.17E-04	2.12E-04	2.09E-04	7.53E-08	2.27E-07	1.32E-07	1.28E-07	1.16E-07	5.31E-08	5.24E-08	0.00E+00	0.00E+00	2.42E-08	4.36E-09	2.76E-08	4.26E-09	4.06E-09	6.45E-08	6.86E-08	2.52E-08	3.42E-08	1.28E-08	6.86E-08	2.52E-08
4853	487863.1	3861877	2.30E-04	2.25E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.36E-07	1.23E-07	5.62E-08	5.55E-08	0.00E+00	0.00E+00	2.56E-08	4.61E-09	2.93E-08	4.52E-09	4.30E-09	6.83E-08	7.27E-08	2.67E-08	3.63E-08	1.36E-08	7.27E-08	2.67E-08
4854	488363.1	3861877	2.45E-04	2.39E-04	2.36E-04	8.49E-08	2.56E-07	1.48E-07	1.45E-07	1.31E-07	5.99E-08	5.91E-08	0.00E+00	0.00E+00	2.73E-08	4.91E-09	3.12E-08	4.81E-09	4.58E-09	7.28E-08	7.74E-08	2.84E-08	3.86E-08	1.44E-08	7.74E-08	2.84E-08
4855	488863.1	3861877	2.64E-04	2.57E-04	2.54E-04	9.13E-08	2.76E-07	1.60E-07	1.56E-07	1.41E-07	6.44E-08	6.36E-08	0.00E+00	0.00E+00	2.94E-08	5.29E-09	3.36E-08	5.17E-09	4.92E-09	7.83E-08	8.33E-08	3.05E-08	4.16E-08	1.55E-08	8.33E-08	3.05E-08
4856	489363.1	3861877	2.84E-04	2.77E-04	2.74E-04	9.84E-08	2.97E-07	1.72E-07	1.68E-07	1.52E-07	6.94E-08	6.85E-08	0.00E+00	0.00E+00	3.16E-08	5.70E-09	3.61E-08	5.57E-09	5.30E-09	8.43E-08	8.97E-08	3.29E-08	4.48E-08	1.67E-08	8.97E-08	3.29E-08
4857	489863.1	3861877	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.83E-07	1.66E-07	7.56E-08	7.46E-08	0.00E+00	0.00E+00	3.45E-08	6.20E-09	3.94E-08	6.07E-09	5.78E-09	9.19E-08	9.77E-08	3.58E-08	4.88E-08	1.82E-08	9.77E-08	3.58E-08
4858	490363.1	3861877	3.42E-04	3.34E-04	3.30E-04	1.18E-07	3.58E-07	2.07E-07	2.02E-07	1.83E-07	8.36E-08	8.25E-08	0.00E+00	0.00E+00	3.81E-08	6.86E-09	4.35E-08	6.71E-09	6.39E-09	1.02E-07	1.08E-07	3.96E-08	5.39E-08	2.01E-08	1.08E-07	3.96E-08
4859	490863.1	3861877	3.87E-04	3.77E-04	3.72E-04	1.34E-07	4.04E-07	2.34E-07	2.28E-07	2.07E-07	9.44E-08	9.32E-08	0.00E+00	0.00E+00	4.30E-08	7.75E-09	4.92E-08	7.58E-09	7.21E-09	1.15E-07	1.22E-07	4.48E-08	6.09E-08	2.28E-08	1.22E-07	4.48E-08
4860	491363.1	3861877	4.47E-04	4.36E-04	4.30E-04	1.55E-07	4.67E-07	2.70E-07	2.64E-07	2.39E-07	1.09E-07	1.08E-07	0.00E+00	0.00E+00	4.97E-08	8.95E-09	5.68E-08	8.76E-09	8.34E-09	1.33E-07	1.41E-07	5.17E-08	7.04E-08	2.63E-08	1.41E-07	5.17E-08
4861	491863.1	3861877	5.34E-04	5.21E-04	5.14E-04	1.85E-07	5.58E-07	3.23E-07	3.15E-07	2.86E-07	1.30E-07	1.29E-07	0.00E+00	0.00E+00	5.94E-08	1.07E-08	6.78E-08	1.05E-08	9.96E-09	1.58E-07	1.68E-07	6.18E-08	8.40E-08	3.14E-08	1.68E-07	6.18E-08
4862	492363.1	3861877	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	0.00E+00	0.00E+00	7.38E-08	1.33E-08	8.43E-08	1.30E-08	1.24E-08	1.97E-07	2.09E-07	7.67E-08	1.04E-07	3.90E-08	2.09E-07	7.67E-08
4863	492863.1	3861877	8.58E-04	8.37E-04	8.26E-04	2.97E-07	8.96E-07	5.19E-07	5.06E-07	4.59E-07	2.09E-07	2.07E-07	0.00E+00	0.00E+00	9.55E-08	1.72E-08	1.09E-07	1.68E-08	1.60E-08	2.55E-07	2.71E-07	9.93E-08	1.35E-07	5.05E-08	2.71E-07	9.93E-08
4864	493363.1	3861877	1.16E-03	1.13E-03	1.12E-03	4.02E-07	1.21E-06	7.02E-07	6.85E-07	6.21E-07	2.83E-07	2.80E-07	0.00E+00	0.00E+00	1.29E-07	2.32E-08	1.48E-07	2.27E-08	2.16E-08	3.44E-07	3.66E-07	1.34E-07	1.83E-07	6.83E-08	3.66E-07	1.34E-07
4865	493863.1	3861877	1.72E-03	1.68E-03	1.65E-03	5.94E-07	1.79E-06	1.04E-06	1.01E-06	9.19E-07	4.19E-07	4.14E-07	0.00E+00	0.00E+00	1.91E-07	3.44E-08	2.18E-07	3.37E-08	3.20E-08	5.10E-07	5.42E-07	1.99E-07	2.71E-07	1.01E-07	5.42E-07	1.99E-07
4866	494363.1	3861877	3.10E-03	3.02E-03	2.98E-03	1.07E-06	3.24E-06	1.87E-06	1.83E-06	1.66E-06	7.57E-07	7.47E-07	0.00E+00	0.00E+00	3.45E-07	6.21E-08	3.94E-07	6.08E-08	5.78E-08	9.20E-07	9.78E-07	3.59E-07	4.88E-07	1.82E-07	9.78E-07	3.59E-07
4867	494863.1	3861877	1.28E-02	1.25E-02	1.23E-02	4.44E-06	1.34E-05	7.76E-06	7.57E-06	6.86E-06	3.13E-06	3.09E-06	0.00E+00	0.00E+00	1.43E-06	2.57E-07	1.63E-06	2.51E-07	2.39E-07	3.81E-06	4.05E-06	1.48E-06	2.02E-06	7.55E-07	4.05E-06	1.48E-06
4868	495363.1	3861877	1.46E-02	1.43E-02	1.41E-02	5.07E-06	1.53E-05	8.86E-06	8.64E-06	7.84E-06	3.58E-06	3.53E-06	0.00E+00	0.00E+00	1.63E-06	2.93E-07	1.86E-06	2.87E-07	2.73E-07	4.35E-06	4.62E-06	1.69E-06	2.31E-06	8.62E-07	4.62E-06	1.69E-06
4869	495863.1	3861877	6.05E-03	5.90E-03	5.82E-03	2.09E-06	6.32E-06	3.66E-06	3.57E-06	3.24E-06	1.48E-06	1.46E-06	0.00E+00	0.00E+00	6.73E-07	1.21E-07	7.69E-07	1.19E-07	1.13E-07	1.80E-06	1.91E-06	7.00E-07	9.53E-07	3.56E-07	1.91E-06	7.00E-07
4870	496363.1	3861877	3.80E-03	3.71E-03	3.66E-03	1.32E-06	3.98E-06	2.30E-06	2.25E-06	2.04E-06	9.29E-07	9.17E-07	0.00E+00	0.00E+00	4.23E-07	7.62E-08	4.84E-07	7.46E-08	7.10E-08	1.13E-06	1.20E-06	4.40E-07	5.99E-07	2.24E-07	1.20E-06	4.40E-07
4871	496863.1	3861877	1.97E-03	1.92E-03	1.90E-03	6.82E-07	2.06E-06	1.19E-06	1.16E-06	1.05E-06	4.81E-07	4.75E-07	0.00E+00	0.00E+00	2.19E-07	3.95E-08	2.51E-07	3.87E-08	3.68E-08	5.85E-07	6.22E-07	2.28E-07	3.11E-07	1.16E-07	6.22E-07	2.28E-07
4872	497363.1	3861877	2.07E-03	2.02E-03	1.99E-03	7.16E-07	2.16E-06	1.25E-06	1.22E-06	1.11E-06	5.05E-07	4.99E-07	0.00E+00	0.00E+00	2.30E-07	4.15E-08	2.63E-07	4.06E-08	3.86E-08	6.14E-07	6.53E-07	2.40E-07	3.26E-07	1.22E-07	6.53E-07	2.40E-07
4873	497863.1	3861877	1.85E-03	1.80E-03	1.78E-03	6.39E-07	1.93E-06	1.12E-06	1.09E-06	9.88E-07	4.51E-07	4.45E-07	0.00E+00	0.00E+00	2.05E-07	3.70E-08	2.35E-07	3.62E-08	3.44E-08	5.48E-07	5.82E-07	2.14E-07	2.91E-07	1.09E-07	5.82E-07	2.14E-07
4874	498363.1	3861877	1.60E-03	1.57E-03	1.55E-03	5.56E-07	1.68E-06	9.71E-07	9.47E-07	8.59E-07	3.92E-07	3.87E-07	0.00E+00	0.00E+00	1.79E-07	3.22E-08	2.04E-07	3.15E-08	2.99E-08	4.76E-07	5.06E-07	1.86E-07	2.53E-07	9.45E-08	5.06E-07	1.86E-07
4875	471363.1	3862377	8.21E-05	8.02E-05	7.91E-05	2.84E-08	8.59E-08	4.97E-08	4.85E-08	4.40E-08	2.01E-08	1.98E-08	0.00E+00	0.00E+00	9.14E-09	1.65E-09	1.04E-08	1.61E-09	1.53E-09	2.44E-08	2.59E-08	9.51E-09	1.29E-08	4.84E-09	2.59E-08	9.51E-09
4876	471863.1	3862377	8.34E-05	8.14E-05	8.03E-05	2.89E-08	8.72E-08	5.05E-08	4.92E-08	4.46E-08	2.04E-08	2.01E-08	0.00E+00	0.00E+00	9.28E-09	1.67E-09	1.06E-08	1.64E-09	1.56E-09	2.47E-08	2.63E-08	9.65E-09	1.31E-08	4.91E-09	2.63E-08	9.65E-09
4877	472363.1	3862377	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	0.00E+00	0.00E+00	9.47E-09	1.70E-09	1.08E-08	1.67E-09	1.59E-09	2.52E-08	2.68E-08	9.85E-09	1.34E-08	5.01E-09	2.68E-08	9.85E-09
4878	472863.1	3862377	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	0.00E+00	0.00E+00	9.65E-09	1.74E-09	1.10E-08	1.70E-09	1.62E-09	2.57E-08	2.74E-08	1.00E-08	1.37E-08	5.10E-09	2.74E-08	1.00E-08
4879	473363.1	3862377	8.84E-05	8.62E-05	8.51E-05	3.06E-08	9.24E-08	5.35E-08	5.22E-08	4.73E-08	2.16E-08	2.13E-08	0.00E+00	0.00E+00	9.84E-09	1.77E-09	1.12E-08	1.73E-09	1.65E-09	2.62E-08	2.79E-08	1.02E-08	1.39E-08	5.20E-09	2.79E-08	1.02E-08
4880	473863.1	3862377	8.96E-05	8.74E-05	8.63E-05	3.10E-08	9.37E-08	5.42E-08	5.29E-08	4.80E-08	2.19E-08	2.16E-08	0.00E+00	0.00E+00	9.98E-09	1.80E-09	1.14E-08	1.76E-09	1.67E-09	2.66E-08	2.83E-08	1.04E-08	1.41E-08	5.28E-09	2.83E-08	1.04E-08
4881	474363.1	3862377	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	0.00E+00	0.00E+00	1.01E-08	1.82E-09	1.16E-08	1.78E-09	1.70E-09	2.70E-08	2.87E-08	1.05E-08	1.43E-08	5.35E-09	2.87E-08	1.05E-08
4882	474863.1	3862377	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.18E-08	1.81E-09	1.73E-09	2.75E-08	2.92E-08	1.07E-08	1.46E-08	5.45E-09	2.92E-08	1.07E-08
4883	475363.1	3862377	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	0.00E+00	0.00E+00	1.06E-08	1.90E-09	1.21E-08	1.86E-09	1.77E-09	2.82E-08	3.00E-08	1.10E-08	1.50E-08	5.59E-09	3.00E-08	1.10E-08
4884	475863.1	3862377	9.71E-05	9.47E-05	9.35E-05	3.36E-08	1.01E-07	5.87E-08	5.73E-08	5.20E-08	2.37E-08	2.34E-08	0.00E+00	0.00E+00	1.08E-08	1.95E-09	1.23E-08	1.90E-09	1.81E-09	2.88E-08	3.06E-08	1.12E-08	1.53E-08	5.72E-09	3.06E-08	1.12E-08
4885	476363.1	3862377	9.92E-05	9.68E-05	9.55E-05	3.43E-08	1.04E-07	6.00E-08	5.85E-08	5.31E-08	2.42E-08	2.39E-08	0.00E+00	0.00E+00	1.10E-08	1.99E-09	1.26E-08	1.94E-09	1.85E-09	2.94E-08	3.13E-08	1.15E-08	1.56E-08	5.84E-09	3.13E-08	1.15E-08
4886	476863.1	3862377	1.01E-04	9.84E-05	9.71E-05	3.49E-08	1.05E-07	6.10E-08	5.95E-08	5.40E-08	2.46E-08	2.43E-08	0.00E+00	0.00E+00	1.12E-08	2.02E-09	1.28E-08	1.98E-09	1.88E-09	2.99E-08	3.18E-08	1.17E-08	1.59E-08	5.93E-09	3.18E-08	1.17E-08
4887	477363.1	3862377	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	0.00E+00	0.00E+00	1.13E-08	2.04E-09	1.29E-08	1.99E-09	1.90E-09	3.02E-08	3.21E-08	1.18E-08	1.60E-08	5.98E-09	3.21E-08	1.18E-08
4888	477863.1	3862377	9.46E-05	9.23E-05	9.11E-05	3.27E-08	9.89E-08	5.72E-08	5.59E-08	5.06E-08	2.31E-08	2.28E-08	0.00E+00	0.00E+00	1.05E-08	1.90E-09	1.20E-08	1.86E-09	1.77E-09	2.81E-08	2.99E-08	1.09E-08	1.49E-08	5.57E-09	2.99E-08	1.09E-08
4889	478363.1	3862377	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	0.00E+00	0.00E+00	9.65E-09	1.74E-09	1.10E-08	1.70E-09	1.62E-09	2.57E-08	2.74E-08	1.00E-08	1.37E-08	5.10E-09	2.74E-08	1.00E-08
4890	478863.1	3862377	8.84E-05	8.62E-05	8.51E-05	3.06E-08	9.24E-08	5.35E-08	5.22E-08	4.73E-08	2.16E-08	2.13E-08	0.00E+00	0.00E+00	9.84E-09	1.77E-09	1.12E-08	1.73E-09	1.65E-09	2.62E-08	2.79E-08	1.02E-08	1.39E-08	5.20E-09	2.79E-08	1.02E-08
4891	479363.1	3862377	9.54E-05	9.31E-05	9.19E-05	3.30E-08	9.97E-08	5.77E-08	5.63E-08	5.11E-08	2.33E-08	2.30E-08	0.00E+00	0.00E+00	1.06E-08	1.91E-09	1.21E-08	1.87E-09	1.78E-09	2.83E-08	3.01E-08	1.10E-08	1.50E-08	5.62E-09	3.01E-08	1.10E-08
4892	479863.1	3862377	1.12E-04	1.10E-04	1.08E-04	3.89E-08	1.18E-07	6.80E-08	6.64E-08	6.02E-08	2.75E-08	2.71E-08	0.00E+00	0.00E+00	1.25E-08	2.25E-09	1.43E-08	2.20E-09	2.10E-09	3.34E-08	3.55E-08	1.30E-08	1.77E-08	6.62E-09	3.55E-08	1.30E-08
4893	480363.1	3862377	1.20E-04	1.17E-04	1.15E-04	4.15E-08	1.25E-07	7.25E-08	7.08E-08	6.42E-08	2.93E-08	2.89E-08	0.00E+00	0.00E+00	1.33E-08	2.40E-09	1.52E-08	2.35E-09	2.24E-09	3.56E-08	3.78E-08	1.39E-08	1.89E-08	7.06E-09	3.78E-08	1.39E-08
4894	480863.1	3862377	1.24E-04	1.21E-04	1.19E-04	4.28E-08	1.29E-07	7.48E-08	7.30E-08	6.62E-08	3.02E-08	2.98E-08	0.00E+00	0.00E+00	1.38E-08	2.48E-09	1.57E-08	2.42E-09	2.31E-09	3.67E-08	3.90E-08	1.43E-08	1.95E-08	7.28E-09	3.90E-08	1.43E-08
4895	481363.1	3862377	1.28E-04	1.25E-04	1.23E-04	4.42E-08	1.34E-07	7.73E-08	7.54E-08	6.84E-08	3.12E-08	3.08E-08	0.00E+00	0.00E+00	1.42E-08	2.56E-09	1.63E-08	2.51E-09	2.38E-09	3.79E-08	4.03E-08	1.48E-08	2.01E-08	7.52E-09	4.03E-08	1.48E-08
4896	481863.1	3862377	1.33E-04	1.30E-04	1.28E-04	4.60E-08	1.39E-07	8.03E-08	7.84E-08	7.11E-08	3.24E-08	3.20E-08	0.00E+00	0.00E+00	1.48E-08	2.66E-09	1.69E-08	2.60E-09	2.48E-09	3.94E-08	4.19E-08	1.54E-08	2.09E-08	7.82E-09	4.19E-08	1.54E-08
4897	482363.1	3862377	1.37E-04	1.34E-04	1.32E-04	4.74E-08	1.43E-07	8.28E-08	8.08E-08	7.33E-08	3.34E-08	3.30E-08	0.00E+00	0.00E+00	1.52E-08	2.74E-09	1.74E-08	2.68E-09	2.55E-09	4.06E-08	4.32E-08	1.58E-08	2.16E-08	8.06E-09	4.32E-08	1.58E-08
4898	482863.1	3862377	1.40E-04	1.37E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.28E-08	7.51E-08	3.42E-08	3.38E-08	0.00E+00	0.00E+00	1.56E-08	2.81E-09	1.78E-08	2.75E-09	2.62E-09	4.16E-08	4.43E-08	1.62E-08	2.21E-08	8.26E-09	4.43E-08	1.62E-08
4899	483363.1	3862377	1.44E-04	1.41E-04	1.39E-04	5.00E-08	1.51E-07	8.74E-08	8.52E-08	7.73E-08	3.53E-08	3.48E-08	0.00E+00	0.00E+00	1.61E-08	2.89E-09	1.84E-08	2.83E-09	2.69E-09	4.29E-08	4.56E-08	1.67E-08	2.27E-08	8.50E-09	4.56E-08	1.67E-08
4900	483863.1	3862377	1.49E-04	1.45E-04	1.43E-04	5.16E-08	1.56E-07	9.01E-08	8.79E-08	7.97E-08	3.64E-08	3.59E-08	0.00E+00	0.00E+00	1.66E-08	2.98E-09	1.89E-08	2.92E-09	2.78E-09	4.42E-08	4.70E-08	1.72E-08	2.35E-08	8.77E-09	4.70E-08	1.72E-08
4901	484363.1	3862377	1.54E-04	1.51E-04	1.49E-04	5.34E-08	1.61E-07	9.34E-08	9.11E-08	8.26E-08	3.77E-08	3.72E-08	0.00E+00	0.00E+00	1.72E-08	3.09E-09	1.96E-08	3.03E-09	2.88E-09	4.58E-08	4.87E-08	1.79E-08	2.43E-08	9.09E-09	4.87E-08	1.79E-08
4902	484863.1	3862377	1.61E-04	1.57E-04	1.55E-04	5.56E-08	1.68E-07	9.71E-08	9.48E-08	8.59E-08	3.92E-08	3.87E-08	0.00E+00	0.00E+00	1.79E-08	3.22E-09	2.04E-08	3.15E-09	3.00E-09	4.77E-08	5.07E-08	1.86E-08	2.53E-08	9.45E-09	5.07E-08	1.86E-08
4903	485363.1	3862377	1.66E-04	1.62E-04	1.59E-04	5.73E-08	1.73E-07	1.00E-07	9.77E-08	8.86E-08	4.04E-08	3.99E-08	0.00E+00	0.00E+00	1.84E-08	3.32E-09	2.11E-08	3.25E-09	3.09E-09	4.91E-08	5.22E-08	1.92E-08	2.61E-08	9.74E-09	5.22E-08	1.92E-08
4904	485863.1	3862377	1.71E-04	1.67E-04	1.65E-04	5.92E-08	1.79E-07	1.03E-07	1.01E-07	9.15E-08	4.17E-08	4.12E-08	0.00E+00	0.00E+00	1.90E-08	3.43E-09	2.17E-08	3.35E-09	3.19E-09	5.07E-08	5.39E-08	1.98E-08	2.69E-08	1.01E-08	5.39E-08	1.98E-08
4905	486363.1	3862377	1.78E-04	1.74E-04	1.71E-04	6.16E-08	1.86E-07	1.08E-07	1.05E-07	9.53E-08	4.35E-08	4.29E-08	0.00E+00	0.00E+00	1.98E-08	3.57E-09	2.26E-08	3.49E-09	3.32E-09	5.28E-08	5.62E-08	2.06E-08	2.80E-08	1.05E-08	5.62E-08	2.06E-08
4906	486863.1	3862377	1.87E-04	1.83E-04	1.80E-04	6.48E-08	1.96E-07	1.13E-07	1.10E-07	1.00E-07	4.57E-08	4.51E-08	0.00E+00	0.00E+00	2.08E-08	3.75E-09	2.38E-08	3.67E-09	3.49E-09	5.55E-08	5.91E-08	2.17E-08	2.95E-08	1.10E-08	5.91E-08	2.17E-08
4907	487363.1	3862377	1.98E-04	1.93E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.17E-07	1.06E-07	4.83E-08	4.77E-08	0.00E+00	0.00E+00	2.20E-08	3.97E-09	2.52E-08	3.88E-09	3.69E-09	5.87E-08	6.25E-08	2.29E-08	3.12E-08	1.16E-08	6.25E-08	2.29E-08
4908	487863.1	3862377	2.09E-04	2.04E-04	2.01E-04	7.24E-08	2.19E-07	1.27E-07	1.23E-07	1.12E-07	5.11E-08	5.04E-08	0.00E+00	0.00E+00	2.33E-08	4.19E-09	2.66E-08	4.10E-09	3.90E-09	6.21E-08	6.60E-08	2.42E-08	3.29E-08	1.23E-08	6.60E-08	2.42E-08
4909	488363.1	3862377	2.21E-04	2.15E-04	2.13E-04	7.64E-08	2.31E-07	1.34E-07	1.30E-07	1.18E-07	5.39E-08	5.32E-08	0.00E+00	0.00E+00	2.46E-08	4.42E-09	2.81E-08	4.33E-09	4.12E-09	6.55E-08	6.97E-08	2.55E-08	3.48E-08	1.30E-08	6.97E-08	2.55E-08
4910	488863.1	3862377	2.35E-04	2.29E-04	2.26E-04	8.13E-08	2.45E-07	1.42E-07	1.39E-07	1.26E-07	5.73E-08	5.66E-08	0.00E+00	0.00E+00	2.61E-08	4.71E-09	2.99E-08	4.61E-09	4.38E-09	6.97E-08	7.41E-08	2.72E-08	3.70E-08	1.38E-08	7.41E-08	2.72E-08
4911	489363.1	3862377	2.51E-04	2.45E-04	2.42E-04	8.69E-08	2.62E-07	1.52E-07	1.48E-07	1.34E-07	6.13E-08	6.05E-08	0.00E+00	0.00E+00	2.79E-08	5.03E-09	3.19E-08	4.92E-09	4.68E-09	7.45E-08	7.92E-08	2.91E-08	3.95E-08	1.48E-08	7.92E-08	2.91E-08
4912	489863.1	3862377	2.69E-04	2.62E-04	2.59E-04	9.31E-08	2.81E-07	1.63E-07	1.59E-07	1.44E-07	6.57E-08	6.48E-08	0.00E+00	0.00E+00	2.99E-08	5.39E-09	3.42E-08	5.27E-09	5.02E-09	7.98E-08	8.49E-08	3.11E-08	4.24E-08	1.58E-08	8.49E-08	3.11E-08
4913	490363.1	3862377	2.90E-04	2.83E-04	2.79E-04	1.00E-07	3.03E-07	1.75E-07	1.71E-07	1.55E-07	7.07E-08	6.98E-08	0.00E+00	0.00E+00	3.22E-08	5.80E-09	3.68E-08	5.68E-09	5.40E-09	8.59E-08	9.14E-08	3.35E-08	4.56E-08	1.70E-08	9.14E-08	3.35E-08
4914	490863.1	3862377	3.16E-04	3.08E-04	3.04E-04	1.09E-07	3.30E-07	1.91E-07	1.86E-07	1.69E-07	7.71E-08	7.61E-08	0.00E+00	0.00E+00	3.51E-08	6.33E-09	4.02E-08	6.19E-09	5.89E-09	9.37E-08	9.96E-08	3.65E-08	4.97E-08	1.86E-08	9.96E-08	3.65E-08
4915	491363.1	3862377	3.47E-04	3.39E-04	3.34E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.48E-08	8.37E-08	0.00E+00	0.00E+00	3.87E-08	6.96E-09	4.42E-08	6.81E-09	6.48E-09	1.03E-07	1.10E-07	4.02E-08	5.47E-08	2.04E-08	1.10E-07	4.02E-08
4916	491863.1	3862377	3.84E-04	3.75E-04	3.70E-04	1.33E-07	4.02E-07	2.32E-07	2.27E-07	2.06E-07	9.38E-08	9.26E-08	0.00E+00	0.00E+00	4.28E-08	7.70E-09	4.89E-08	7.53E-09	7.17E-09	1.14E-07	1.21E-07	4.45E-08	6.05E-08	2.26E-08	1.21E-07	4.45E-08
4917	492363.1	3862377	4.32E-04	4.21E-04	4.16E-04	1.50E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.81E-08	8.66E-09	5.49E-08	8.47E-09	8.06E-09	1.28E-07	1.36E-07	5.00E-08	6.80E-08	2.54E-08	1.36E-07	5.00E-08
4918	492863.1	3862377	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.20E-07	3.01E-07	2.94E-07	2.66E-07	1.21E-07	1.20E-07	0.00E+00	0.00E+00	5.54E-08	9.97E-09	6.33E-08	9.76E-09	9.28E-09	1.48E-07	1.57E-07	5.76E-08	7.84E-08	2.93E-08	1.57E-07	5.76E-08
4919	493363.1	3862377	5.78E-04	5.64E-04	5.57E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.10E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.44E-08	1.16E-08	7.35E-08	1.13E-08	1.08E-08	1.72E-07	1.83E-07	6.69E-08	9.11E-08	3.40E-08	1.83E-07	6.69E-08
4920	493863.1	3862377	6.77E-04	6.60E-04	6.52E-04	2.34E-07	7.07E-07	4.09E-07	4.00E-07	3.62E-07	1.65E-07	1.63E-07	0.00E+00	0.00E+00	7.53E-08	1.36E-08	8.61E-08	1.33E-08	1.26E-08	2.01E-07	2.14E-07	7.83E-08	1.07E-07	3.98E-08	2.14E-07	7.83E-08
4921	494363.1	3862377	8.21E-04	8.02E-04	7.91E-04	2.84E-07	8.59E-07	4.97E-07	4.85E-07	4.40E-07	2.01E-07	1.98E-07	0.00E+00	0.00E+00	9.14E-08	1.65E-08	1.04E-07	1.61E-08	1.53E-08	2.44E-07	2.59E-07	9.51E-08	1.29E-07	4.84E-08	2.59E-07	9.51E-08

4922	494863.1	3862377	1.03E-03	1.01E-03	9.92E-04	3.57E-07	1.08E-06	6.24E-07	6.08E-07	5.52E-07	2.52E-07	2.48E-07	0.00E+00	0.00E+00	1.15E-07	2.07E-08	1.31E-07	2.02E-08	1.92E-08	3.06E-07	3.25E-07	1.19E-07	1.62E-07	6.07E-08	3.25E-07	1.19E-07
4923	495363.1	3862377	1.34E-03	1.31E-03	1.29E-03	4.64E-07	1.40E-06	8.12E-07	7.92E-07	7.18E-07	3.28E-07	3.23E-07	0.00E+00	0.00E+00	1.49E-07	2.69E-08	1.71E-07	2.63E-08	2.50E-08	3.98E-07	4.23E-07	1.55E-07	2.11E-07	7.90E-08	4.23E-07	1.55E-07
4924	495863.1	3862377	2.00E-03	1.96E-03	1.93E-03	6.94E-07	2.10E-06	1.21E-06	1.18E-06	1.07E-06	4.90E-07	4.83E-07	0.00E+00	0.00E+00	2.23E-07	4.02E-08	2.55E-07	3.93E-08	3.74E-08	5.95E-07	6.33E-07	2.32E-07	3.16E-07	1.18E-07	6.33E-07	2.32E-07
4925	496363.1	3862377	3.97E-03	3.87E-03	3.82E-03	1.37E-06	4.15E-06	2.40E-06	2.34E-06	2.12E-06	9.70E-07	9.57E-07	0.00E+00	0.00E+00	4.42E-07	7.96E-08	5.05E-07	7.79E-08	7.41E-08	1.18E-06	1.25E-06	4.60E-07	6.25E-07	2.34E-07	1.25E-06	4.60E-07
4926	496863.1	3862377	3.42E-02	3.34E-02	3.29E-02	1.18E-05	3.58E-05	2.07E-05	2.02E-05	1.83E-05	8.36E-06	8.24E-06	0.00E+00	0.00E+00	3.81E-06	6.86E-07	4.35E-06	6.71E-07	6.38E-07	1.02E-05	1.08E-05	3.96E-06	5.39E-06	2.01E-06	1.08E-05	3.96E-06
4927	497363.1	3862377	2.06E-02	2.01E-02	1.99E-02	7.14E-06	2.16E-05	1.25E-05	1.22E-05	1.10E-05	5.04E-06	4.97E-06	0.00E+00	0.00E+00	2.30E-06	4.14E-07	2.62E-06	4.05E-07	3.85E-07	6.12E-06	6.51E-06	2.39E-06	3.25E-06	1.21E-06	6.51E-06	2.39E-06
4928	497863.1	3862377	5.60E-02	5.47E-02	5.40E-02	1.94E-05	5.86E-05	3.39E-05	3.31E-05	3.00E-05	1.37E-05	1.35E-05	0.00E+00	0.00E+00	6.24E-06	1.12E-06	7.13E-06	1.10E-06	1.05E-06	1.66E-05	1.77E-05	6.49E-06	8.83E-06	3.30E-06	1.77E-05	6.49E-06
4929	498363.1	3862377	7.07E-03	6.90E-03	6.81E-03	2.45E-06	7.39E-06	4.28E-06	4.18E-06	3.78E-06	1.73E-06	1.70E-06	0.00E+00	0.00E+00	7.87E-07	1.42E-07	8.99E-07	1.39E-07	1.32E-07	2.10E-06	2.23E-06	8.19E-07	1.11E-06	4.16E-07	2.23E-06	8.19E-07
4930	471363.1	3862877	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	0.00E+00	0.00E+00	8.87E-09	1.60E-09	1.01E-08	1.56E-09	1.49E-09	2.36E-08	2.51E-08	9.22E-09	1.25E-08	4.69E-09	2.51E-08	9.22E-09
4931	471863.1	3862877	8.13E-05	7.93E-05	7.83E-05	2.81E-08	8.50E-08	4.92E-08	4.80E-08	4.35E-08	1.99E-08	1.96E-08	0.00E+00	0.00E+00	9.05E-09	1.63E-09	1.03E-08	1.59E-09	1.52E-09	2.41E-08	2.57E-08	9.41E-09	1.28E-08	4.79E-09	2.57E-08	9.41E-09
4932	472363.1	3862877	8.30E-05	8.10E-05	7.99E-05	2.87E-08	8.67E-08	5.02E-08	4.90E-08	4.44E-08	2.03E-08	2.00E-08	0.00E+00	0.00E+00	9.24E-09	1.66E-09	1.06E-08	1.63E-09	1.55E-09	2.46E-08	2.62E-08	9.61E-09	1.31E-08	4.88E-09	2.62E-08	9.61E-09
4933	472863.1	3862877	8.42E-05	8.22E-05	8.11E-05	2.92E-08	8.80E-08	5.10E-08	4.97E-08	4.51E-08	2.06E-08	2.03E-08	0.00E+00	0.00E+00	9.37E-09	1.69E-09	1.07E-08	1.65E-09	1.57E-09	2.50E-08	2.66E-08	9.75E-09	1.33E-08	4.96E-09	2.66E-08	9.75E-09
4934	473363.1	3862877	8.59E-05	8.38E-05	8.27E-05	2.97E-08	8.98E-08	5.20E-08	5.07E-08	4.60E-08	2.10E-08	2.07E-08	0.00E+00	0.00E+00	9.56E-09	1.72E-09	1.09E-08	1.68E-09	1.60E-09	2.55E-08	2.71E-08	9.94E-09	1.35E-08	5.06E-09	2.71E-08	9.94E-09
4935	473863.1	3862877	8.71E-05	8.50E-05	8.39E-05	3.02E-08	9.11E-08	5.27E-08	5.14E-08	4.66E-08	2.13E-08	2.10E-08	0.00E+00	0.00E+00	9.70E-09	1.75E-09	1.11E-08	1.71E-09	1.63E-09	2.59E-08	2.75E-08	1.01E-08	1.37E-08	5.13E-09	2.75E-08	1.01E-08
4936	474363.1	3862877	8.84E-05	8.62E-05	8.51E-05	3.06E-08	9.24E-08	5.35E-08	5.22E-08	4.73E-08	2.16E-08	2.13E-08	0.00E+00	0.00E+00	9.84E-09	1.77E-09	1.12E-08	1.73E-09	1.65E-09	2.62E-08	2.79E-08	1.02E-08	1.39E-08	5.20E-09	2.79E-08	1.02E-08
4937	474863.1	3862877	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	0.00E+00	0.00E+00	1.00E-08	1.80E-09	1.14E-08	1.77E-09	1.68E-09	2.67E-08	2.84E-08	1.04E-08	1.42E-08	5.30E-09	2.84E-08	1.04E-08
4938	475363.1	3862877	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.18E-08	1.81E-09	1.73E-09	2.75E-08	2.92E-08	1.07E-08	1.46E-08	5.45E-09	2.92E-08	1.07E-08
4939	475863.1	3862877	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	0.00E+00	0.00E+00	1.05E-08	1.89E-09	1.20E-08	1.85E-09	1.76E-09	2.80E-08	2.97E-08	1.09E-08	1.48E-08	5.54E-09	2.97E-08	1.09E-08
4940	476363.1	3862877	9.63E-05	9.39E-05	9.27E-05	3.33E-08	1.01E-07	5.82E-08	5.68E-08	5.15E-08	2.35E-08	2.32E-08	0.00E+00	0.00E+00	1.07E-08	1.93E-09	1.22E-08	1.89E-09	1.80E-09	2.86E-08	3.04E-08	1.11E-08	1.52E-08	5.67E-09	3.04E-08	1.11E-08
4941	476863.1	3862877	9.75E-05	9.51E-05	9.39E-05	3.37E-08	1.02E-07	5.90E-08	5.76E-08	5.22E-08	2.38E-08	2.35E-08	0.00E+00	0.00E+00	1.09E-08	1.95E-09	1.24E-08	1.91E-09	1.82E-09	2.89E-08	3.08E-08	1.13E-08	1.54E-08	5.74E-09	3.08E-08	1.13E-08
4942	477363.1	3862877	9.92E-05	9.68E-05	9.55E-05	3.43E-08	1.04E-07	6.00E-08	5.85E-08	5.31E-08	2.42E-08	2.39E-08	0.00E+00	0.00E+00	1.10E-08	1.99E-09	1.26E-08	1.94E-09	1.85E-09	2.94E-08	3.13E-08	1.15E-08	1.56E-08	5.84E-09	3.13E-08	1.15E-08
4943	477863.1	3862877	9.71E-05	9.47E-05	9.35E-05	3.36E-08	1.01E-07	5.87E-08	5.73E-08	5.20E-08	2.37E-08	2.34E-08	0.00E+00	0.00E+00	1.08E-08	1.95E-09	1.23E-08	1.90E-09	1.81E-09	2.88E-08	3.06E-08	1.12E-08	1.53E-08	5.72E-09	3.06E-08	1.12E-08
4944	478363.1	3862877	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	0.00E+00	0.00E+00	1.00E-08	1.80E-09	1.14E-08	1.77E-09	1.68E-09	2.67E-08	2.84E-08	1.04E-08	1.42E-08	5.30E-09	2.84E-08	1.04E-08
4945	478863.1	3862877	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	0.00E+00	0.00E+00	1.01E-08	1.82E-09	1.16E-08	1.78E-09	1.70E-09	2.70E-08	2.87E-08	1.05E-08	1.43E-08	5.35E-09	2.87E-08	1.05E-08
4946	479363.1	3862877	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	0.00E+00	0.00E+00	1.04E-08	1.87E-09	1.19E-08	1.83E-09	1.74E-09	2.77E-08	2.95E-08	1.08E-08	1.47E-08	5.50E-09	2.95E-08	1.08E-08
4947	479863.1	3862877	1.10E-04	1.08E-04	1.06E-04	3.82E-08	1.15E-07	6.68E-08	6.52E-08	5.91E-08	2.70E-08	2.66E-08	0.00E+00	0.00E+00	1.23E-08	2.21E-09	1.40E-08	2.16E-09	2.06E-09	3.28E-08	3.48E-08	1.28E-08	1.74E-08	6.50E-09	3.48E-08	1.28E-08
4948	480363.1	3862877	1.15E-04	1.12E-04	1.10E-04	3.96E-08	1.20E-07	6.93E-08	6.76E-08	6.13E-08	2.80E-08	2.76E-08	0.00E+00	0.00E+00	1.27E-08	2.29E-09	1.46E-08	2.25E-09	2.14E-09	3.40E-08	3.61E-08	1.33E-08	1.80E-08	6.74E-09	3.61E-08	1.33E-08
4949	480863.1	3862877	1.17E-04	1.15E-04	1.13E-04	4.06E-08	1.23E-07	7.10E-08	6.93E-08	6.28E-08	2.87E-08	2.83E-08	0.00E+00	0.00E+00	1.31E-08	2.35E-09	1.49E-08	2.30E-09	2.19E-09	3.48E-08	3.71E-08	1.36E-08	1.85E-08	6.91E-09	3.71E-08	1.36E-08
4950	481363.1	3862877	1.22E-04	1.19E-04	1.17E-04	4.22E-08	1.27E-07	7.38E-08	7.20E-08	6.53E-08	2.98E-08	2.94E-08	0.00E+00	0.00E+00	1.36E-08	2.44E-09	1.55E-08	2.39E-09	2.28E-09	3.62E-08	3.85E-08	1.41E-08	1.92E-08	7.18E-09	3.85E-08	1.41E-08
4951	481863.1	3862877	1.26E-04	1.23E-04	1.21E-04	4.35E-08	1.31E-07	7.61E-08	7.42E-08	6.73E-08	3.07E-08	3.03E-08	0.00E+00	0.00E+00	1.40E-08	2.52E-09	1.60E-08	2.47E-09	2.35E-09	3.73E-08	3.97E-08	1.46E-08	1.98E-08	7.40E-09	3.97E-08	1.46E-08
4952	482363.1	3862877	1.29E-04	1.26E-04	1.25E-04	4.48E-08	1.35E-07	7.83E-08	7.64E-08	6.93E-08	3.16E-08	3.12E-08	0.00E+00	0.00E+00	1.44E-08	2.59E-09	1.65E-08	2.54E-09	2.42E-09	3.84E-08	4.09E-08	1.50E-08	2.04E-08	7.62E-09	4.09E-08	1.50E-08
4953	482863.1	3862877	1.33E-04	1.30E-04	1.28E-04	4.60E-08	1.39E-07	8.03E-08	7.84E-08	7.11E-08	3.24E-08	3.20E-08	0.00E+00	0.00E+00	1.48E-08	2.66E-09	1.69E-08	2.60E-09	2.48E-09	3.94E-08	4.19E-08	1.54E-08	2.09E-08	7.82E-09	4.19E-08	1.54E-08
4954	483363.1	3862877	1.36E-04	1.33E-04	1.31E-04	4.72E-08	1.43E-07	8.26E-08	8.06E-08	7.31E-08	3.33E-08	3.29E-08	0.00E+00	0.00E+00	1.52E-08	2.74E-09	1.74E-08	2.68E-09	2.55E-09	4.05E-08	4.31E-08	1.58E-08	2.15E-08	8.04E-09	4.31E-08	1.58E-08
4955	483863.1	3862877	1.40E-04	1.37E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.28E-08	7.51E-08	3.42E-08	3.38E-08	0.00E+00	0.00E+00	1.56E-08	2.81E-09	1.78E-08	2.75E-09	2.62E-09	4.16E-08	4.43E-08	1.62E-08	2.21E-08	8.26E-09	4.43E-08	1.62E-08
4956	484363.1	3862877	1.45E-04	1.42E-04	1.40E-04	5.03E-08	1.52E-07	8.79E-08	8.57E-08	7.77E-08	3.55E-08	3.50E-08	0.00E+00	0.00E+00	1.62E-08	2.91E-09	1.85E-08	2.85E-09	2.71E-09	4.31E-08	4.58E-08	1.68E-08	2.29E-08	8.55E-09	4.58E-08	1.68E-08
4957	484863.1	3862877	1.51E-04	1.47E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	8.89E-08	8.06E-08	3.68E-08	3.63E-08	0.00E+00	0.00E+00	1.68E-08	3.02E-09	1.92E-08	2.95E-09	2.81E-09	4.47E-08	4.75E-08	1.74E-08	2.37E-08	8.87E-09	4.75E-08	1.74E-08
4958	485363.1	3862877	1.56E-04	1.52E-04	1.50E-04	5.39E-08	1.63E-07	9.41E-08	9.19E-08	8.33E-08	3.80E-08	3.75E-08	0.00E+00	0.00E+00	1.73E-08	3.12E-09	1.98E-08	3.05E-09	2.90E-09	4.62E-08	4.91E-08	1.80E-08	2.45E-08	9.16E-09	4.91E-08	1.80E-08
4959	485863.1	3862877	1.61E-04	1.57E-04	1.55E-04	5.56E-08	1.68E-07	9.71E-08	9.48E-08	8.59E-08	3.92E-08	3.87E-08	0.00E+00	0.00E+00	1.79E-08	3.22E-09	2.04E-08	3.15E-09	3.00E-09	4.77E-08	5.07E-08	1.86E-08	2.53E-08	9.45E-09	5.07E-08	1.86E-08
4960	486363.1	3862877	1.66E-04	1.62E-04	1.60E-04	5.74E-08	1.73E-07	1.00E-07	9.80E-08	8.88E-08	4.05E-08	4.00E-08	0.00E+00	0.00E+00	1.85E-08	3.33E-09	2.11E-08	3.25E-09	3.10E-09	4.93E-08	5.24E-08	1.92E-08	2.61E-08	9.77E-09	5.24E-08	1.92E-08
4961	486863.1	3862877	1.73E-04	1.69E-04	1.67E-04	5.99E-08	1.81E-07	1.05E-07	1.02E-07	9.26E-08	4.23E-08	4.17E-08	0.00E+00	0.00E+00	1.93E-08	3.47E-09	2.20E-08	3.39E-09	3.23E-09	5.13E-08	5.46E-08	2.00E-08	2.73E-08	1.02E-08	5.46E-08	2.00E-08
4962	487363.1	3862877	1.82E-04	1.77E-04	1.75E-04	6.29E-08	1.90E-07	1.10E-07	1.07E-07	9.73E-08	4.44E-08	4.38E-08	0.00E+00	0.00E+00	2.02E-08	3.64E-09	2.31E-08	3.56E-09	3.39E-09	5.39E-08	5.74E-08	2.10E-08	2.86E-08	1.07E-08	5.74E-08	2.10E-08
4963	487863.1	3862877	1.91E-04	1.86E-04	1.84E-04	6.61E-08	1.99E-07	1.15E-07	1.13E-07	1.02E-07	4.66E-08	4.60E-08	0.00E+00	0.00E+00	2.12E-08	3.82E-09	2.43E-08	3.74E-09	3.56E-09	5.66E-08	6.02E-08	2.21E-08	3.01E-08	1.12E-08	6.02E-08	2.21E-08
4964	488363.1	3862877	2.00E-04	1.95E-04	1.93E-04	6.92E-08	2.09E-07	1.21E-07	1.18E-07	1.07E-07	4.88E-08	4.82E-08	0.00E+00	0.00E+00	2.23E-08	4.01E-09	2.54E-08	3.92E-09	3.73E-09	5.94E-08	6.31E-08	2.31E-08	3.15E-08	1.18E-08	6.31E-08	2.31E-08
4965	488863.1	3862877	2.10E-04	2.05E-04	2.02E-04	7.27E-08	2.19E-07	1.27E-07	1.24E-07	1.12E-07	5.13E-08	5.06E-08	0.00E+00	0.00E+00	2.34E-08	4.21E-09	2.67E-08	4.12E-09	3.92E-09	6.23E-08	6.63E-08	2.43E-08	3.31E-08	1.24E-08	6.63E-08	2.43E-08
4966	489363.1	3862877	2.22E-04	2.17E-04	2.14E-04	7.70E-08	2.32E-07	1.35E-07	1.31E-07	1.19E-07	5.43E-08	5.36E-08	0.00E+00	0.00E+00	2.48E-08	4.46E-09	2.83E-08	4.36E-09	4.15E-09	6.60E-08	7.02E-08	2.57E-08	3.50E-08	1.31E-08	7.02E-08	2.57E-08
4967	489863.1	3862877	2.36E-04	2.31E-04	2.28E-04	8.19E-08	2.47E-07	1.43E-07	1.40E-07	1.27E-07	5.78E-08	5.70E-08	0.00E+00	0.00E+00	2.63E-08	4.74E-09	3.01E-08	4.64E-09	4.41E-09	7.02E-08	7.46E-08	2.74E-08	3.73E-08	1.39E-08	7.46E-08	2.74E-08
4968	490363.1	3862877	2.51E-04	2.45E-04	2.42E-04	8.69E-08	2.62E-07	1.52E-07	1.48E-07	1.34E-07	6.13E-08	6.05E-08	0.00E+00	0.00E+00	2.79E-08	5.03E-09	3.19E-08	4.92E-09	4.68E-09	7.45E-08	7.92E-08	2.91E-08	3.95E-08	1.48E-08	7.92E-08	2.91E-08
4969	490863.1	3862877	2.68E-04	2.61E-04	2.58E-04	9.26E-08	2.80E-07	1.62E-07	1.58E-07	1.43E-07	6.54E-08	6.45E-08	0.00E+00	0.00E+00	2.98E-08	5.36E-09	3.40E-08	5.25E-09	4.99E-09	7.94E-08	8.45E-08	3.10E-08	4.22E-08	1.58E-08	8.45E-08	3.10E-08
4970	491363.1	3862877	2.85E-04	2.79E-04	2.75E-04	9.88E-08	2.98E-07	1.73E-07	1.69E-07	1.53E-07	6.97E-08	6.88E-08	0.00E+00	0.00E+00	3.18E-08	5.72E-09	3.63E-08	5.60E-09	5.33E-09	8.47E-08	9.01E-08	3.30E-08	4.50E-08	1.68E-08	9.01E-08	3.30E-08
4971	491863.1	3862877	3.07E-04	3.00E-04	2.96E-04	1.06E-07	3.21E-07	1.86E-07	1.81E-07	1.64E-07	7.50E-08	7.40E-08	0.00E+00	0.00E+00	3.42E-08	6.15E-09	3.90E-08	6.02E-09	5.73E-09	9.11E-08	9.69E-08	3.55E-08	4.84E-08	1.81E-08	9.69E-08	3.55E-08
4972	492363.1	3862877	3.30E-04	3.22E-04	3.18E-04	1.14E-07	3.45E-07	2.00E-07	1.95E-07	1.77E-07	8.06E-08	7.95E-08	0.00E+00	0.00E+00	3.67E-08	6.61E-09	4.19E-08	6.47E-09	6.15E-09	9.79E-08	1.04E-07	3.82E-08	5.20E-08	1.94E-08	1.04E-07	3.82E-08
4973	492863.1	3862877	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	0.00E+00	0.00E+00	4.00E-08	7.21E-09	4.57E-08	7.05E-09	6.71E-09	1.07E-07	1.14E-07	4.16E-08	5.67E-08	2.12E-08	1.14E-07	4.16E-08
4974	493363.1	3862877	3.98E-04	3.88E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.72E-08	9.59E-08	0.00E+00	0.00E+00	4.43E-08	7.97E-09	5.06E-08	7.80E-09	7.42E-09	1.18E-07	1.26E-07	4.61E-08	6.27E-08	2.34E-08	1.26E-07	4.61E-08
4975	493863.1	3862877	4.32E-04	4.22E-04	4.16E-04	1.50E-07	4.52E-07	2.62E-07	2.55E-07	2.31E-07	1.06E-07	1.04E-07	0.00E+00	0.00E+00	4.81E-08	8.66E-09	5.50E-08	8.48E-09	8.07E-09	1.28E-07	1.36E-07	5.00E-08	6.81E-08	2.54E-08	1.36E-07	5.00E-08
4976	494363.1	3862877	4.79E-04	4.67E-04	4.61E-04	1.66E-07	5.00E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.33E-08	9.60E-09	6.09E-08	9.39E-09	8.93E-09	1.42E-07	1.51E-07	5.54E-08	7.54E-08	2.82E-08	1.51E-07	5.54E-08
4977	494863.1	3862877	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.09E-08	1.10E-08	6.96E-08	1.07E-08	1.02E-08	1.62E-07	1.73E-07	6.33E-08	8.62E-08	3.22E-08	1.73E-07	6.33E-08
4978	495363.1	3862877	6.23E-04	6.08E-04	6.00E-04	2.16E-07	6.51E-07	3.77E-07	3.68E-07	3.34E-07	1.52E-07	1.50E-07	0.00E+00	0.00E+00	6.94E-08	1.25E-08	7.92E-08	1.22E-08	1.16E-08	1.85E-07	1.97E-07	7.21E-08	9.82E-08	3.67E-08	1.97E-07	7.21E-08
4979	495863.1	3862877	7.04E-04	6.87E-04	6.78E-04	2.44E-07	7.36E-07	4.26E-07	4.16E-07	3.77E-07	1.72E-07	1.70E-07	0.00E+00	0.00E+00	7.84E-08	1.41E-08	8.96E-08	1.38E-08	1.31E-08	2.09E-07	2.22E-07	8.15E-08	1.11E-07	4.15E-08	2.22E-07	8.15E-08
4980	496363.1	3862877	7.99E-04	7.80E-04	7.69E-04	2.77E-07	8.35E-07	4.83E-07	4.72E-07	4.28E-07	1.95E-07	1.93E-07	0.00E+00	0.00E+00	8.89E-08	1.60E-08	1.02E-07	1.57E-08	1.49E-08	2.37E-07	2.52E-07	9.25E-08	1.26E-07	4.70E-08	2.52E-07	9.25E-08
4981	496863.1	3862877	9.22E-04	9.00E-04	8.88E-04	3.19E-07	9.64E-07	5.58E-07	5.44E-07	4.93E-07	2.25E-07	2.22E-07	0.00E+00	0.00E+00	1.03E-07	1.85E-08	1.17E-07	1.81E-08	1.72E-08	2.74E-07	2.91E-07	1.07E-07	1.45E-07	5.43E-08	2.91E-07	1.07E-07
4982	497363.1	3862877	1.00E-03	9.79E-04	9.66E-04	3.47E-07	1.05E-06	6.07E-07	5.93E-07	5.37E-07	2.45E-07	2.42E-07	0.00E+00	0.00E+00	1.12E-07	2.01E-08	1.28E-07	1.97E-08	1.87E-08	2.98E-07	3.17E-07	1.16E-07	1.58E-07	5.91E-08	3.17E-07	1.16E-07
4983	497863.1	3862877	1.00E-03	9.79E-04	9.66E-04	3.47E-07	1.05E-06	6.07E-07	5.93E-07	5.37E-07	2.45E-07	2.42E-07	0.00E+00	0.00E+00	1.12E-07	2.01E-08	1.28E-07	1.97E-08	1.87E-08	2.98E-07	3.17E-07	1.16E-07	1.58E-07	5.91E-08	3.17E-07	1.16E-07
4984	498363.1	3862877	9.64E-04	9.41E-04	9.28E-04	3.34E-07	1.01E-06	5.83E-07	5.69E-07	5.16E-07	2.35E-07	2.32E-07	0.00E+00	0.00E+00	1.07E-07	1.93E-08	1.23E-07	1.89E-08	1.80E-08	2.86E-07	3.04E-07	1.12E-07	1.52E-07	5.68E-08	3.04E-07	1.12E-07
4985	471363.1	3863377	7.80E-05	7.61E-05	7.51E-05	2.70E-08	8.15E-08	4.72E-08	4.61E-08	4.17E-08	1.90E-08	1.88E-08	0.00E+00	0.00E+00	8.68E-09	1.56E-09	9.92E-09	1.53E-09	1.46E-09	2.31E-08	2.46E-08	9.03E-09	1.23E-08	4.59E-09	2.46E-08	9.03E-09
4986	471863.1	3863377	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	0.00E+00	0.00E+00	8.87E-09	1.60E-09	1.01E-08	1.56E-09	1.49E-09	2.36E-08	2.51E-08	9.22E-09	1.25E-08	4.69E-09	2.51E-08	9.22E-09
4987	472363.1	3863377	8.05E-05	7.85E-05	7.75E-05	2.79E-08	8.41E-08	4.87E-08	4.75E-08	4.31E-08	1.97E-08	1.94E-08	0.00E+00	0.00E+00	8.96E-09	1.61E-09	1.02E-08	1.58E-09	1.50E-09	2.39E-08	2.54E-08	9.32E-09	1.27E-08	4.74E-09	2.54E-08	9.32E-09
4988	472863.1	3863377	8.21E-05	8.02E-05	7.91E-05	2.84E-08	8.59E-08	4.97E-08	4.85E-08	4.40E-08	2.01E-08	1.98E-08	0.00E+00	0.00E+00	9.14E-09	1.65E-09	1.04E-08	1.61E-09	1.53E-09	2.44E-08	2.59E-08	9.51E-09	1.29E-08	4.84E-09	2.59E-08	9.51E-09
4989	473363.1	3863377	8.34E-05	8.14E-05	8.03E-05	2.89E-08	8.72E-08	5.05E-08	4.92E-08	4.46E-08	2.04E-08	2.01E-08	0.00E+00	0.00E+00	9.28E-09	1.67E-09	1.06E-08	1.64E-09	1.56E-09	2.47E-08	2.63E-08	9.65E-09	1.31E-08	4.91E-09	2.63E-08	9.65E-09
4990	473863.1	3863377	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	0.00E+00	0.00E+00	9.47E-09	1.70E-09	1.08E-08	1.67E-09	1.59E-09	2.52E-08	2.68E-08	9.85E-09	1.34E-08	5.01E-09	2.68E-08	9.85E-09
4991	474363.1	3863377	8.63E-05	8.42E-05	8.31E-05	2.99E-08	9.02E-08	5.22E-08	5.10E-08	4.62E-08	2.11E-08	2.08E-08	0.00E+00	0.00E+00	9.61E-09	1.73E-09	1.10E-08	1.69E-09	1.61E-09	2.56E-08	2.72E-08	9.99E-09	1.36E-08	5.08E-09	2.72E-08	9.99E-09
4992	474863.1	3863377	8.75E-05	8.54E-05	8.43E-05	3.03E-08	9.15E-08	5.30E-08	5.17E-08	4.69E-08	2.14E-08	2.11E-08	0.00E+00	0.00E+00	9.74E-09	1.75E-09	1.11E-08	1.72E-09	1.63E-09	2.60E-08	2.76E-08	1.01E-08	1.38E-08	5.15E-09	2.76E-08	1.01E-08
4993	475363.1	3863377	8.92E-05	8.70E-05	8.59E-05	3.09E-08	9.32E-08	5.40E-08	5.27E-08	4.77E-08	2.18E-08	2.15E-08	0.00E+00	0.00E+00	9.93E-09	1.79E-09	1.13E-08	1.75E-09	1.66E-09	2.65E-08	2.82E-08	1.03E-08	1.41E-08	5.25E-09	2.82E-08	1.03E-08
4994	475863.1	3863377	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	0.00E+00	0.00E+00	1.01E-08	1.82E-09	1.16E-08	1.78E-09	1.70E-09	2.70E-08	2.87E-08	1.05E-08	1.43E-08	5.35E-09	2.87E-08	1.05E-08
4995	476363.1	3863377	9.29E-05	9.07E-05	8.95E-05	3.22E-08	9.71E-08	5.62E-08	5.49E-08	4.97E-08	2.27E-08	2.24E-08	0.00E+00	0.00E+00	1.03E-08	1.86E-09	1.18E-08	1.82E-09	1.73E-09	2.76E-08	2.93E-08	1.08E-08	1.46E-08	5.47E-09	2.93E-08	1.08E-08
4996	476863.1	3863377	9.46E-05	9.23E-05	9.11E-05	3.27E-08	9.89E-08	5.72E-08	5.59E-08	5.06E-08	2.31E-08	2.28E-08	0.00E+00	0.00E+00	1.05E-08	1.90E-09	1.20E-08	1.86E-09	1.77E-09	2.81E-08	2.99E-08	1.09E-08	1.49E-08	5.57E-09	2.99E-08	1.09E-08
4997	477363.1	3863377	9.63E-05	9.39E-05	9.27E-05	3.33E-08	1.01E-07	5.82E-08	5.68E-08	5.15E-08	2.35E-08	2.32E-08	0.00E+00	0.00E+00	1.07E-08	1.93E-09	1.22E-08	1.89E-09	1.80E-09	2.86E-08	3.04E-08	1.11E-08	1.52E-08	5.67E-09	3.04E-08	1.11E-08
4998	477863.1	3863377	9.67E-05	9.43E-05	9.31E-05	3.35E-08	1.01E-07	5.85E-08	5.71E-08	5.17E-08	2.36E-08	2.33E-08	0.00E+00	0.00E+00	1.08E-08	1.94E-09	1.23E-08	1.90E-09	1.80E-09	2.87E-08	3.05E-08	1.12E-08	1.52E-08	5.69E-09	3.05E-08	1.12E-08

4999	478363.1	3863377	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	0.00E+00	0.00E+00	1.04E-08	1.87E-09	1.19E-08	1.83E-09	1.74E-09	2.77E-08	2.95E-08	1.08E-08	1.47E-08	5.50E-09	2.95E-08	1.08E-08
5000	478863.1	3863377	9.54E-05	9.31E-05	9.19E-05	3.30E-08	9.97E-08	5.77E-08	5.63E-08	5.11E-08	2.33E-08	2.30E-08	0.00E+00	0.00E+00	1.06E-08	1.91E-09	1.21E-08	1.87E-09	1.78E-09	2.83E-08	3.01E-08	1.10E-08	1.50E-08	5.62E-09	3.01E-08	1.10E-08
5001	479363.1	3863377	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	0.00E+00	0.00E+00	1.13E-08	2.04E-09	1.29E-08	1.99E-09	1.90E-09	3.02E-08	3.21E-08	1.18E-08	1.60E-08	5.98E-09	3.21E-08	1.18E-08
5002	479863.1	3863377	1.07E-04	1.04E-04	1.03E-04	3.71E-08	1.12E-07	6.48E-08	6.32E-08	5.73E-08	2.61E-08	2.58E-08	0.00E+00	0.00E+00	1.19E-08	2.15E-09	1.36E-08	2.10E-09	2.00E-09	3.18E-08	3.38E-08	1.24E-08	1.69E-08	6.30E-09	3.38E-08	1.24E-08
5003	480363.1	3863377	1.10E-04	1.07E-04	1.06E-04	3.81E-08	1.15E-07	6.65E-08	6.49E-08	5.88E-08	2.69E-08	2.65E-08	0.00E+00	0.00E+00	1.22E-08	2.20E-09	1.40E-08	2.16E-09	2.05E-09	3.26E-08	3.47E-08	1.27E-08	1.73E-08	6.47E-09	3.47E-08	1.27E-08
5004	480863.1	3863377	1.13E-04	1.10E-04	1.09E-04	3.91E-08	1.18E-07	6.83E-08	6.66E-08	6.04E-08	2.76E-08	2.72E-08	0.00E+00	0.00E+00	1.26E-08	2.26E-09	1.44E-08	2.21E-09	2.11E-09	3.35E-08	3.56E-08	1.31E-08	1.78E-08	6.64E-09	3.56E-08	1.31E-08
5005	481363.1	3863377	1.17E-04	1.14E-04	1.12E-04	4.04E-08	1.22E-07	7.05E-08	6.88E-08	6.24E-08	2.85E-08	2.81E-08	0.00E+00	0.00E+00	1.30E-08	2.34E-09	1.48E-08	2.29E-09	2.18E-09	3.46E-08	3.68E-08	1.35E-08	1.84E-08	6.86E-09	3.68E-08	1.35E-08
5006	481863.1	3863377	1.20E-04	1.17E-04	1.16E-04	4.16E-08	1.26E-07	7.28E-08	7.10E-08	6.44E-08	2.94E-08	2.90E-08	0.00E+00	0.00E+00	1.34E-08	2.41E-09	1.53E-08	2.36E-09	2.25E-09	3.57E-08	3.80E-08	1.39E-08	1.90E-08	7.08E-09	3.80E-08	1.39E-08
5007	482363.1	3863377	1.24E-04	1.21E-04	1.19E-04	4.28E-08	1.29E-07	7.48E-08	7.30E-08	6.62E-08	3.02E-08	2.98E-08	0.00E+00	0.00E+00	1.38E-08	2.48E-09	1.57E-08	2.42E-09	2.31E-09	3.67E-08	3.90E-08	1.43E-08	1.95E-08	7.28E-09	3.90E-08	1.43E-08
5008	482863.1	3863377	1.27E-04	1.23E-04	1.22E-04	4.38E-08	1.32E-07	7.66E-08	7.47E-08	6.77E-08	3.09E-08	3.05E-08	0.00E+00	0.00E+00	1.41E-08	2.54E-09	1.61E-08	2.48E-09	2.36E-09	3.76E-08	3.99E-08	1.46E-08	1.99E-08	7.45E-09	3.99E-08	1.46E-08
5009	483363.1	3863377	1.30E-04	1.27E-04	1.25E-04	4.50E-08	1.36E-07	7.86E-08	7.67E-08	6.95E-08	3.17E-08	3.13E-08	0.00E+00	0.00E+00	1.45E-08	2.60E-09	1.65E-08	2.55E-09	2.42E-09	3.85E-08	4.10E-08	1.50E-08	2.05E-08	7.64E-09	4.10E-08	1.50E-08
5010	483863.1	3863377	1.33E-04	1.30E-04	1.28E-04	4.61E-08	1.39E-07	8.06E-08	7.86E-08	7.13E-08	3.25E-08	3.21E-08	0.00E+00	0.00E+00	1.48E-08	2.67E-09	1.69E-08	2.61E-09	2.48E-09	3.95E-08	4.20E-08	1.54E-08	2.10E-08	7.84E-09	4.20E-08	1.54E-08
5011	484363.1	3863377	1.38E-04	1.34E-04	1.33E-04	4.77E-08	1.44E-07	8.33E-08	8.13E-08	7.37E-08	3.36E-08	3.32E-08	0.00E+00	0.00E+00	1.53E-08	2.76E-09	1.75E-08	2.70E-09	2.57E-09	4.09E-08	4.35E-08	1.59E-08	2.17E-08	8.11E-09	4.35E-08	1.59E-08
5012	484863.1	3863377	1.42E-04	1.39E-04	1.37E-04	4.93E-08	1.49E-07	8.61E-08	8.40E-08	7.62E-08	3.48E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.85E-09	1.81E-08	2.79E-09	2.66E-09	4.22E-08	4.49E-08	1.65E-08	2.24E-08	8.38E-09	4.49E-08	1.65E-08
5013	485363.1	3863377	1.47E-04	1.43E-04	1.41E-04	5.08E-08	1.54E-07	8.89E-08	8.67E-08	7.86E-08	3.59E-08	3.54E-08	0.00E+00	0.00E+00	1.63E-08	2.94E-09	1.87E-08	2.88E-09	2.74E-09	4.36E-08	4.64E-08	1.70E-08	2.31E-08	8.65E-09	4.64E-08	1.70E-08
5014	485863.1	3863377	1.51E-04	1.47E-04	1.45E-04	5.23E-08	1.58E-07	9.14E-08	8.92E-08	8.08E-08	3.69E-08	3.64E-08	0.00E+00	0.00E+00	1.68E-08	3.03E-09	1.92E-08	2.96E-09	2.82E-09	4.48E-08	4.77E-08	1.75E-08	2.38E-08	8.89E-09	4.77E-08	1.75E-08
5015	486363.1	3863377	1.55E-04	1.51E-04	1.49E-04	5.36E-08	1.62E-07	9.36E-08	9.14E-08	8.28E-08	3.78E-08	3.73E-08	0.00E+00	0.00E+00	1.72E-08	3.10E-09	1.97E-08	3.03E-09	2.89E-09	4.59E-08	4.88E-08	1.79E-08	2.44E-08	9.11E-09	4.88E-08	1.79E-08
5016	486863.1	3863377	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	0.00E+00	0.00E+00	1.78E-08	3.21E-09	2.04E-08	3.14E-09	2.99E-09	4.75E-08	5.05E-08	1.85E-08	2.52E-08	9.43E-09	5.05E-08	1.85E-08
5017	487363.1	3863377	1.67E-04	1.63E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	9.85E-08	8.93E-08	4.07E-08	4.02E-08	0.00E+00	0.00E+00	1.86E-08	3.34E-09	2.12E-08	3.27E-09	3.11E-09	4.95E-08	5.26E-08	1.93E-08	2.63E-08	9.82E-09	5.26E-08	1.93E-08
5018	487863.1	3863377	1.74E-04	1.70E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.03E-07	9.33E-08	4.26E-08	4.20E-08	0.00E+00	0.00E+00	1.94E-08	3.49E-09	2.22E-08	3.42E-09	3.25E-09	5.17E-08	5.50E-08	2.02E-08	2.75E-08	1.03E-08	5.50E-08	2.02E-08
5019	488363.1	3863377	1.81E-04	1.77E-04	1.75E-04	6.28E-08	1.89E-07	1.10E-07	1.07E-07	9.70E-08	4.43E-08	4.37E-08	0.00E+00	0.00E+00	2.02E-08	3.63E-09	2.31E-08	3.56E-09	3.38E-09	5.38E-08	5.72E-08	2.10E-08	2.86E-08	1.07E-08	5.72E-08	2.10E-08
5020	488863.1	3863377	1.89E-04	1.85E-04	1.82E-04	6.55E-08	1.98E-07	1.14E-07	1.12E-07	1.01E-07	4.62E-08	4.56E-08	0.00E+00	0.00E+00	2.11E-08	3.79E-09	2.41E-08	3.71E-09	3.53E-09	5.61E-08	5.97E-08	2.19E-08	2.98E-08	1.11E-08	5.97E-08	2.19E-08
5021	489363.1	3863377	1.97E-04	1.93E-04	1.90E-04	6.84E-08	2.06E-07	1.19E-07	1.17E-07	1.06E-07	4.82E-08	4.76E-08	0.00E+00	0.00E+00	2.20E-08	3.96E-09	2.51E-08	3.87E-09	3.68E-09	5.86E-08	6.23E-08	2.29E-08	3.11E-08	1.16E-08	6.23E-08	2.29E-08
5022	489863.1	3863377	2.07E-04	2.02E-04	2.00E-04	7.18E-08	2.17E-07	1.26E-07	1.22E-07	1.11E-07	5.07E-08	5.00E-08	0.00E+00	0.00E+00	2.31E-08	4.16E-09	2.64E-08	4.07E-09	3.87E-09	6.16E-08	6.55E-08	2.40E-08	3.27E-08	1.22E-08	6.55E-08	2.40E-08
5023	490363.1	3863377	2.18E-04	2.13E-04	2.10E-04	7.55E-08	2.28E-07	1.32E-07	1.29E-07	1.17E-07	5.33E-08	5.26E-08	0.00E+00	0.00E+00	2.43E-08	4.37E-09	2.78E-08	4.28E-09	4.07E-09	6.48E-08	6.89E-08	2.53E-08	3.44E-08	1.28E-08	6.89E-08	2.53E-08
5024	490863.1	3863377	2.29E-04	2.23E-04	2.21E-04	7.93E-08	2.39E-07	1.39E-07	1.35E-07	1.23E-07	5.59E-08	5.52E-08	0.00E+00	0.00E+00	2.55E-08	4.59E-09	2.91E-08	4.49E-09	4.27E-09	6.80E-08	7.23E-08	2.65E-08	3.61E-08	1.35E-08	7.23E-08	2.65E-08
5025	491363.1	3863377	2.41E-04	2.35E-04	2.32E-04	8.33E-08	2.52E-07	1.46E-07	1.42E-07	1.29E-07	5.88E-08	5.80E-08	0.00E+00	0.00E+00	2.68E-08	4.82E-09	3.06E-08	4.72E-09	4.49E-09	7.14E-08	7.59E-08	2.79E-08	3.79E-08	1.42E-08	7.59E-08	2.79E-08
5026	491863.1	3863377	2.53E-04	2.47E-04	2.44E-04	8.76E-08	2.65E-07	1.53E-07	1.49E-07	1.35E-07	6.18E-08	6.10E-08	0.00E+00	0.00E+00	2.82E-08	5.07E-09	3.22E-08	4.96E-09	4.72E-09	7.51E-08	7.99E-08	2.93E-08	3.99E-08	1.49E-08	7.99E-08	2.93E-08
5027	492363.1	3863377	2.63E-04	2.57E-04	2.54E-04	9.12E-08	2.75E-07	1.59E-07	1.56E-07	1.41E-07	6.43E-08	6.35E-08	0.00E+00	0.00E+00	2.93E-08	5.28E-09	3.35E-08	5.17E-09	4.92E-09	7.82E-08	8.31E-08	3.05E-08	4.15E-08	1.55E-08	8.31E-08	3.05E-08
5028	492863.1	3863377	2.57E-04	2.51E-04	2.48E-04	8.90E-08	2.69E-07	1.56E-07	1.52E-07	1.38E-07	6.28E-08	6.20E-08	0.00E+00	0.00E+00	2.86E-08	5.16E-09	3.27E-08	5.04E-09	4.80E-09	7.63E-08	8.12E-08	2.98E-08	4.05E-08	1.51E-08	8.12E-08	2.98E-08
5029	493363.1	3863377	2.46E-04	2.40E-04	2.37E-04	8.52E-08	2.57E-07	1.49E-07	1.45E-07	1.32E-07	6.01E-08	5.93E-08	0.00E+00	0.00E+00	2.74E-08	4.93E-09	3.13E-08	4.82E-09	4.59E-09	7.30E-08	7.76E-08	2.85E-08	3.88E-08	1.45E-08	7.76E-08	2.85E-08
5030	493863.1	3863377	2.62E-04	2.56E-04	2.52E-04	9.08E-08	2.74E-07	1.59E-07	1.55E-07	1.40E-07	6.40E-08	6.32E-08	0.00E+00	0.00E+00	2.92E-08	5.25E-09	3.33E-08	5.14E-09	4.89E-09	7.78E-08	8.28E-08	3.04E-08	4.13E-08	1.54E-08	8.28E-08	3.04E-08
5031	494363.1	3863377	2.92E-04	2.85E-04	2.82E-04	1.01E-07	3.06E-07	1.77E-07	1.73E-07	1.57E-07	7.14E-08	7.05E-08	0.00E+00	0.00E+00	3.26E-08	5.86E-09	3.72E-08	5.74E-09	5.46E-09	8.68E-08	9.23E-08	3.39E-08	4.61E-08	1.72E-08	9.23E-08	3.39E-08
5032	494863.1	3863377	2.97E-04	2.89E-04	2.86E-04	1.03E-07	3.10E-07	1.79E-07	1.75E-07	1.59E-07	7.24E-08	7.15E-08	0.00E+00	0.00E+00	3.30E-08	5.94E-09	3.77E-08	5.82E-09	5.54E-09	8.80E-08	9.36E-08	3.43E-08	4.67E-08	1.75E-08	9.36E-08	3.43E-08
5033	495363.1	3863377	2.91E-04	2.84E-04	2.80E-04	1.01E-07	3.04E-07	1.76E-07	1.72E-07	1.56E-07	7.10E-08	7.01E-08	0.00E+00	0.00E+00	3.24E-08	5.83E-09	3.70E-08	5.70E-09	5.43E-09	8.63E-08	9.18E-08	3.37E-08	4.58E-08	1.71E-08	9.18E-08	3.37E-08
5034	495863.1	3863377	2.95E-04	2.88E-04	2.84E-04	1.02E-07	3.09E-07	1.79E-07	1.74E-07	1.58E-07	7.21E-08	7.12E-08	0.00E+00	0.00E+00	3.29E-08	5.92E-09	3.76E-08	5.79E-09	5.51E-09	8.77E-08	9.32E-08	3.42E-08	4.65E-08	1.74E-08	9.32E-08	3.42E-08
5035	496363.1	3863377	4.14E-04	4.04E-04	3.98E-04	1.43E-07	4.32E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.97E-08	0.00E+00	0.00E+00	4.60E-08	8.29E-09	5.26E-08	8.11E-09	7.72E-09	1.23E-07	1.31E-07	4.79E-08	6.52E-08	2.43E-08	1.31E-07	4.79E-08
5036	496863.1	3863377	4.28E-04	4.17E-04	4.12E-04	1.48E-07	4.47E-07	2.59E-07	2.53E-07	2.29E-07	1.04E-07	1.03E-07	0.00E+00	0.00E+00	4.76E-08	8.57E-09	5.44E-08	8.39E-09	7.98E-09	1.27E-07	1.35E-07	4.95E-08	6.74E-08	2.52E-08	1.35E-07	4.95E-08
5037	497363.1	3863377	4.22E-04	4.12E-04	4.06E-04	1.46E-07	4.41E-07	2.55E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.70E-08	8.46E-09	5.37E-08	8.27E-09	7.87E-09	1.25E-07	1.33E-07	4.88E-08	6.65E-08	2.48E-08	1.33E-07	4.88E-08
5038	497863.1	3863377	4.09E-04	3.99E-04	3.94E-04	1.42E-07	4.28E-07	2.48E-07	2.42E-07	2.19E-07	9.99E-08	9.86E-08	0.00E+00	0.00E+00	4.55E-08	8.20E-09	5.20E-08	8.02E-09	7.63E-09	1.21E-07	1.29E-07	4.74E-08	6.44E-08	2.41E-08	1.29E-07	4.74E-08
5039	498363.1	3863377	4.06E-04	3.96E-04	3.91E-04	1.40E-07	4.24E-07	2.46E-07	2.40E-07	2.17E-07	9.91E-08	9.78E-08	0.00E+00	0.00E+00	4.52E-08	8.13E-09	5.16E-08	7.96E-09	7.57E-09	1.20E-07	1.28E-07	4.70E-08	6.39E-08	2.39E-08	1.28E-07	4.70E-08
5040	471363.1	3863877	7.55E-05	7.37E-05	7.27E-05	2.61E-08	7.89E-08	4.57E-08	4.46E-08	4.04E-08	1.84E-08	1.82E-08	0.00E+00	0.00E+00	8.41E-09	1.51E-09	9.60E-09	1.48E-09	1.41E-09	2.24E-08	2.38E-08	8.74E-09	1.19E-08	4.45E-09	2.38E-08	8.74E-09
5041	471863.1	3863877	7.72E-05	7.53E-05	7.43E-05	2.67E-08	8.07E-08	4.67E-08	4.56E-08	4.13E-08	1.88E-08	1.86E-08	0.00E+00	0.00E+00	8.59E-09	1.55E-09	9.81E-09	1.51E-09	1.44E-09	2.29E-08	2.44E-08	8.93E-09	1.22E-08	4.54E-09	2.44E-08	8.93E-09
5042	472363.1	3863877	7.80E-05	7.61E-05	7.51E-05	2.70E-08	8.15E-08	4.72E-08	4.61E-08	4.17E-08	1.90E-08	1.88E-08	0.00E+00	0.00E+00	8.68E-09	1.56E-09	9.92E-09	1.53E-09	1.46E-09	2.31E-08	2.46E-08	9.03E-09	1.23E-08	4.59E-09	2.46E-08	9.03E-09
5043	472863.1	3863877	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	0.00E+00	0.00E+00	8.87E-09	1.60E-09	1.01E-08	1.56E-09	1.49E-09	2.36E-08	2.51E-08	9.22E-09	1.25E-08	4.69E-09	2.51E-08	9.22E-09
5044	473363.1	3863877	8.09E-05	7.89E-05	7.79E-05	2.80E-08	8.46E-08	4.90E-08	4.78E-08	4.33E-08	1.98E-08	1.95E-08	0.00E+00	0.00E+00	9.01E-09	1.62E-09	1.03E-08	1.59E-09	1.51E-09	2.40E-08	2.55E-08	9.37E-09	1.27E-08	4.76E-09	2.55E-08	9.37E-09
5045	473863.1	3863877	8.26E-05	8.06E-05	7.95E-05	2.86E-08	8.63E-08	5.00E-08	4.87E-08	4.42E-08	2.02E-08	1.99E-08	0.00E+00	0.00E+00	9.19E-09	1.65E-09	1.05E-08	1.62E-09	1.54E-09	2.45E-08	2.61E-08	9.56E-09	1.30E-08	4.86E-09	2.61E-08	9.56E-09
5046	474363.1	3863877	8.34E-05	8.14E-05	8.03E-05	2.89E-08	8.72E-08	5.05E-08	4.92E-08	4.46E-08	2.04E-08	2.01E-08	0.00E+00	0.00E+00	9.28E-09	1.67E-09	1.06E-08	1.64E-09	1.56E-09	2.47E-08	2.63E-08	9.65E-09	1.31E-08	4.91E-09	2.63E-08	9.65E-09
5047	474863.1	3863877	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	0.00E+00	0.00E+00	9.47E-09	1.70E-09	1.08E-08	1.67E-09	1.59E-09	2.52E-08	2.68E-08	9.85E-09	1.34E-08	5.01E-09	2.68E-08	9.85E-09
5048	475363.1	3863877	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	0.00E+00	0.00E+00	9.65E-09	1.74E-09	1.10E-08	1.70E-09	1.62E-09	2.57E-08	2.74E-08	1.00E-08	1.37E-08	5.10E-09	2.74E-08	1.00E-08
5049	475863.1	3863877	8.84E-05	8.62E-05	8.51E-05	3.06E-08	9.24E-08	5.35E-08	5.22E-08	4.73E-08	2.16E-08	2.13E-08	0.00E+00	0.00E+00	9.84E-09	1.77E-09	1.12E-08	1.73E-09	1.65E-09	2.62E-08	2.79E-08	1.02E-08	1.39E-08	5.20E-09	2.79E-08	1.02E-08
5050	476363.1	3863877	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	0.00E+00	0.00E+00	1.00E-08	1.80E-09	1.14E-08	1.77E-09	1.68E-09	2.67E-08	2.84E-08	1.04E-08	1.42E-08	5.30E-09	2.84E-08	1.04E-08
5051	476863.1	3863877	9.17E-05	8.95E-05	8.83E-05	3.17E-08	9.58E-08	5.55E-08	5.41E-08	4.91E-08	2.24E-08	2.21E-08	0.00E+00	0.00E+00	1.02E-08	1.84E-09	1.17E-08	1.80E-09	1.71E-09	2.72E-08	2.89E-08	1.06E-08	1.44E-08	5.40E-09	2.89E-08	1.06E-08
5052	477363.1	3863877	9.29E-05	9.07E-05	8.95E-05	3.22E-08	9.71E-08	5.62E-08	5.49E-08	4.97E-08	2.27E-08	2.24E-08	0.00E+00	0.00E+00	1.03E-08	1.86E-09	1.18E-08	1.82E-09	1.73E-09	2.76E-08	2.93E-08	1.08E-08	1.46E-08	5.47E-09	2.93E-08	1.08E-08
5053	477863.1	3863877	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	0.00E+00	0.00E+00	1.05E-08	1.89E-09	1.20E-08	1.85E-09	1.76E-09	2.80E-08	2.97E-08	1.09E-08	1.48E-08	5.54E-09	2.97E-08	1.09E-08
5054	478363.1	3863877	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.18E-08	1.81E-09	1.73E-09	2.75E-08	2.92E-08	1.07E-08	1.46E-08	5.45E-09	2.92E-08	1.07E-08
5055	478863.1	3863877	9.75E-05	9.51E-05	9.39E-05	3.37E-08	1.02E-07	5.90E-08	5.76E-08	5.22E-08	2.38E-08	2.35E-08	0.00E+00	0.00E+00	1.09E-08	1.95E-09	1.24E-08	1.91E-09	1.82E-09	2.89E-08	3.08E-08	1.13E-08	1.54E-08	5.74E-09	3.08E-08	1.13E-08
5056	479363.1	3863877	1.00E-04	9.80E-05	9.67E-05	3.48E-08	1.05E-07	6.07E-08	5.93E-08	5.37E-08	2.45E-08	2.42E-08	0.00E+00	0.00E+00	1.12E-08	2.01E-09	1.28E-08	1.97E-09	1.87E-09	2.98E-08	3.17E-08	1.16E-08	1.58E-08	5.91E-09	3.17E-08	1.16E-08
5057	479863.1	3863877	1.04E-04	1.01E-04	9.99E-05	3.59E-08	1.08E-07	6.28E-08	6.12E-08	5.55E-08	2.53E-08	2.50E-08	0.00E+00	0.00E+00	1.15E-08	2.08E-09	1.32E-08	2.03E-09	1.94E-09	3.08E-08	3.27E-08	1.20E-08	1.63E-08	6.11E-09	3.27E-08	1.20E-08
5058	480363.1	3863877	1.06E-04	1.03E-04	1.02E-04	3.66E-08	1.11E-07	6.40E-08	6.25E-08	5.66E-08	2.58E-08	2.55E-08	0.00E+00	0.00E+00	1.18E-08	2.12E-09	1.35E-08	2.07E-09	1.97E-09	3.14E-08	3.34E-08	1.22E-08	1.67E-08	6.23E-09	3.34E-08	1.22E-08
5059	480863.1	3863877	1.09E-04	1.06E-04	1.05E-04	3.76E-08	1.14E-07	6.58E-08	6.42E-08	5.82E-08	2.65E-08	2.62E-08	0.00E+00	0.00E+00	1.21E-08	2.18E-09	1.38E-08	2.13E-09	2.03E-09	3.23E-08	3.43E-08	1.26E-08	1.71E-08	6.40E-09	3.43E-08	1.26E-08
5060	481363.1	3863877	1.12E-04	1.09E-04	1.07E-04	3.86E-08	1.17E-07	6.75E-08	6.59E-08	5.97E-08	2.73E-08	2.69E-08	0.00E+00	0.00E+00	1.24E-08	2.24E-09	1.42E-08	2.19E-09	2.08E-09	3.31E-08	3.52E-08	1.29E-08	1.76E-08	6.57E-09	3.52E-08	1.29E-08
5061	481863.1	3863877	1.15E-04	1.12E-04	1.11E-04	3.98E-08	1.20E-07	6.95E-08	6.79E-08	6.15E-08	2.81E-08	2.77E-08	0.00E+00	0.00E+00	1.28E-08	2.30E-09	1.46E-08	2.25E-09	2.14E-09	3.41E-08	3.63E-08	1.33E-08	1.81E-08	6.77E-09	3.63E-08	1.33E-08
5062	482363.1	3863877	1.17E-04	1.15E-04	1.13E-04	4.06E-08	1.23E-07	7.10E-08	6.93E-08	6.28E-08	2.87E-08	2.83E-08	0.00E+00	0.00E+00	1.31E-08	2.35E-09	1.49E-08	2.30E-09	2.19E-09	3.48E-08	3.71E-08	1.36E-08	1.85E-08	6.91E-09	3.71E-08	1.36E-08
5063	482863.1	3863877	1.20E-04	1.17E-04	1.15E-04	4.15E-08	1.25E-07	7.25E-08	7.08E-08	6.42E-08	2.93E-08	2.89E-08	0.00E+00	0.00E+00	1.33E-08	2.40E-09	1.52E-08	2.35E-09	2.24E-09	3.56E-08	3.78E-08	1.39E-08	1.89E-08	7.06E-09	3.78E-08	1.39E-08
5064	483363.1	3863877	1.23E-04	1.20E-04	1.18E-04	4.25E-08	1.28E-07	7.43E-08	7.25E-08	6.57E-08	3.00E-08	2.96E-08	0.00E+00	0.00E+00	1.37E-08	2.46E-09	1.56E-08	2.41E-09	2.29E-09	3.64E-08	3.88E-08	1.42E-08	1.93E-08	7.23E-09	3.88E-08	1.42E-08
5065	483863.1	3863877	1.25E-04	1.22E-04	1.21E-04	4.34E-08	1.31E-07	7.58E-08	7.40E-08	6.71E-08	3.06E-08	3.02E-08	0.00E+00	0.00E+00	1.39E-08	2.51E-09	1.59E-08	2.46E-09	2.34E-09	3.72E-08	3.95E-08	1.45E-08	1.97E-08	7.38E-09	3.95E-08	1.45E-08
5066	484363.1	3863877	1.29E-04	1.26E-04	1.24E-04	4.45E-08	1.34E-07	7.78E-08	7.59E-08	6.88E-08	3.14E-08	3.10E-08	0.00E+00	0.00E+00	1.43E-08	2.58E-09	1.64E-08	2.52E-09	2.40E-09	3.82E-08	4.06E-08	1.49E-08	2.03E-08	7.57E-09	4.06E-08	1.49E-08
5067	484863.1	3863877	1.32E-04	1.29E-04	1.27E-04	4.58E-08	1.38E-07	8.01E-08	7.81E-08	7.08E-08	3.23E-08	3.19E-08	0.00E+00	0.00E+00	1.47E-08	2.65E-09	1.68E-08	2.60E-09	2.47E-09	3.93E-08	4.18E-08	1.53E-08	2.08E-08	7.79E-09	4.18E-08	1.53E-08
5068	485363.1	3863877	1.36E-04	1.32E-04	1.31E-04	4.70E-08	1.42E-07	8.21E-08	8.01E-08	7.26E-08	3.31E-08	3.27E-08	0.00E+00	0.00E+00	1.51E-08	2.72E-09	1.73E-08	2.66E-09	2.53E-09	4.03E-08	4.28E-08	1.57E-08	2.14E-08	7.99E-09	4.28E-08	1.57E-08
5069	485863.1	3863877	1.39E-04	1.36E-04	1.34E-04	4.81E-08	1.45E-07	8.41E-08	8.21E-08	7.44E-08	3.39E-08	3.35E-08	0.00E+00	0.00E+00	1.55E-08	2.79E-09	1.77E-08	2.73E-09	2.59E-09	4.12E-08	4.39E-08	1.61E-08	2.19E-08	8.18E-09	4.39E-08	1.61E-08
5070	486363.1	3863877	1.42E-04	1.39E-04	1.37E-04	4.93E-08	1.49E-07	8.61E-08	8.40E-08	7.62E-08	3.48E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.85E-09	1.81E-08	2.79E-09	2.66E-09	4.22E-08	4.49E-08	1.65E-08	2.24E-08	8.38E-09	4.49E-08	1.65E-08
5071	486863.1	3863877	1.46E-04	1.43E-04	1.41E-04	5.07E-08	1.53E-07	8.86E-08	8.65E-08	7.84E-08	3.58E-08	3.53E-08	0.00E+00	0.00E+00	1.63E-08	2.94E-09	1.86E-08	2.87E-09	2.73E-09	4.35E-08	4.62E-08	1.70E-08	2.31E-08	8.62E-09	4.62E-08	1.70E-08
5072	487363.1	3863877	1.51E-04	1.48E-04	1.46E-04	5.24E-08	1.58E-07	9.16E-08	8.94E-08	8.10E-08	3.70E-08	3.65E-08	0.00E+00	0.00E+00	1.69E-08	3.03E-09	1.93E-08	2.97E-09	2.83E-09	4.49E-08	4.78E-08	1.75E-08	2.39E-08	8.91E-09	4.78E-08	1.75E-08
5073	487863.1	3863877	1.58E-04	1.54E-04	1.52E-04	5.46E-08	1.65E-07	9.54E-08	9.31E-08	8.44E-08	3.85E-08	3.80E-08	0.00E+00	0.00E+00	1.75E-08	3.16E-09	2.00E-08	3.09E-09	2.94E-09	4.68E-08	4.98E-08	1.82E-08	2.48E-08	9.28E-09	4.98E-08	1.82E-08
5074	488363.1	3863877	1.64E-04	1.60E-04	1.58E-04	5.67E-08	1.71E-07	9.92E-08	9.68E-08	8.77E-08	4.00E-08	3.95E-08	0.00E+00	0.00E+00	1.82E-08	3.28E-09	2.08E-08	3.21E-09	3.06E-09	4.86E-08	5.17E-08	1.90E-08	2.58E-08	9.65E-09	5.17E-08	1.90E-08
5075	488863.1	3863877	1.70E-04	1.66E-04	1.64E-04	5.89E-08	1.78E-07	1.03E-07	1.00E-07	9.10E-08	4.15E-08	4.10E-08	0.00E+00	0.00E+00	1.89E-08	3.41E-09	2.16E-08	3.34E-09	3.17E-09	5.05E-08	5.37E-08	1.97E-08	2.68E-08	1.00E-08	5.37E-08	1.97E-08

5076	489363.1	3863877	1.77E-04	1.73E-04	1.71E-04	6.13E-08	1.85E-07	1.07E-07	1.05E-07	9.48E-08	4.33E-08	4.27E-08	0.00E+00	0.00E+00	1.97E-08	3.55E-09	2.25E-08	3.47E-09	3.31E-09	5.26E-08	5.59E-08	2.05E-08	2.79E-08	1.04E-08	5.59E-08	2.05E-08
5077	489863.1	3863877	1.84E-04	1.79E-04	1.77E-04	6.36E-08	1.92E-07	1.11E-07	1.09E-07	9.84E-08	4.49E-08	4.43E-08	0.00E+00	0.00E+00	2.05E-08	3.68E-09	2.34E-08	3.60E-09	3.43E-09	5.45E-08	5.80E-08	2.13E-08	2.90E-08	1.08E-08	5.80E-08	2.13E-08
5078	490363.1	3863877	1.91E-04	1.86E-04	1.84E-04	6.61E-08	1.99E-07	1.15E-07	1.13E-07	1.02E-07	4.66E-08	4.60E-08	0.00E+00	0.00E+00	2.12E-08	3.82E-09	2.43E-08	3.74E-09	3.56E-09	5.66E-08	6.02E-08	2.21E-08	3.01E-08	1.12E-08	6.02E-08	2.21E-08
5079	490863.1	3863877	1.97E-04	1.93E-04	1.90E-04	6.84E-08	2.06E-07	1.19E-07	1.17E-07	1.06E-07	4.82E-08	4.76E-08	0.00E+00	0.00E+00	2.20E-08	3.96E-09	2.51E-08	3.87E-09	3.68E-09	5.86E-08	6.23E-08	2.29E-08	3.11E-08	1.16E-08	6.23E-08	2.29E-08
5080	491363.1	3863877	2.04E-04	1.99E-04	1.96E-04	7.05E-08	2.13E-07	1.23E-07	1.20E-07	1.09E-07	4.97E-08	4.91E-08	0.00E+00	0.00E+00	2.27E-08	4.08E-09	2.59E-08	3.99E-09	3.80E-09	6.05E-08	6.43E-08	2.36E-08	3.21E-08	1.20E-08	6.43E-08	2.36E-08
5081	491863.1	3863877	2.02E-04	1.98E-04	1.95E-04	7.01E-08	2.12E-07	1.23E-07	1.20E-07	1.08E-07	4.94E-08	4.88E-08	0.00E+00	0.00E+00	2.25E-08	4.06E-09	2.57E-08	3.97E-09	3.78E-09	6.01E-08	6.39E-08	2.34E-08	3.19E-08	1.19E-08	6.39E-08	2.34E-08
5082	492363.1	3863877	1.80E-04	1.76E-04	1.73E-04	6.23E-08	1.88E-07	1.09E-07	1.06E-07	9.64E-08	4.40E-08	4.34E-08	0.00E+00	0.00E+00	2.00E-08	3.61E-09	2.29E-08	3.53E-09	3.36E-09	5.34E-08	5.68E-08	2.08E-08	2.84E-08	1.06E-08	5.68E-08	2.08E-08
5083	492863.1	3863877	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	0.00E+00	0.00E+00	1.78E-08	3.21E-09	2.04E-08	3.14E-09	2.99E-09	4.75E-08	5.05E-08	1.85E-08	2.52E-08	9.43E-09	5.05E-08	1.85E-08
5084	493363.1	3863877	1.65E-04	1.61E-04	1.59E-04	5.72E-08	1.73E-07	9.99E-08	9.75E-08	8.84E-08	4.03E-08	3.98E-08	0.00E+00	0.00E+00	1.84E-08	3.31E-09	2.10E-08	3.24E-09	3.08E-09	4.90E-08	5.21E-08	1.91E-08	2.60E-08	9.72E-09	5.21E-08	1.91E-08
5085	493863.1	3863877	1.78E-04	1.74E-04	1.71E-04	6.16E-08	1.86E-07	1.08E-07	1.05E-07	9.53E-08	4.35E-08	4.29E-08	0.00E+00	0.00E+00	1.98E-08	3.57E-09	2.26E-08	3.49E-09	3.32E-09	5.28E-08	5.62E-08	2.06E-08	2.80E-08	1.05E-08	5.62E-08	2.06E-08
5086	494363.1	3863877	1.94E-04	1.89E-04	1.87E-04	6.72E-08	2.03E-07	1.17E-07	1.15E-07	1.04E-07	4.74E-08	4.68E-08	0.00E+00	0.00E+00	2.16E-08	3.89E-09	2.47E-08	3.81E-09	3.62E-09	5.76E-08	6.13E-08	2.25E-08	3.06E-08	1.14E-08	6.13E-08	2.25E-08
5087	494863.1	3863877	2.00E-04	1.95E-04	1.92E-04	6.91E-08	2.09E-07	1.21E-07	1.18E-07	1.07E-07	4.87E-08	4.81E-08	0.00E+00	0.00E+00	2.22E-08	4.00E-09	2.54E-08	3.91E-09	3.72E-09	5.92E-08	6.30E-08	2.31E-08	3.14E-08	1.17E-08	6.30E-08	2.31E-08
5088	495363.1	3863877	2.05E-04	2.00E-04	1.98E-04	7.11E-08	2.15E-07	1.24E-07	1.21E-07	1.10E-07	5.02E-08	4.95E-08	0.00E+00	0.00E+00	2.29E-08	4.12E-09	2.61E-08	4.03E-09	3.83E-09	6.10E-08	6.48E-08	2.38E-08	3.24E-08	1.21E-08	6.48E-08	2.38E-08
5089	495863.1	3863877	2.06E-04	2.01E-04	1.99E-04	7.14E-08	2.16E-07	1.25E-07	1.22E-07	1.10E-07	5.04E-08	4.97E-08	0.00E+00	0.00E+00	2.30E-08	4.13E-09	2.62E-08	4.04E-09	3.85E-09	6.12E-08	6.51E-08	2.39E-08	3.25E-08	1.21E-08	6.51E-08	2.39E-08
5090	496363.1	3863877	2.34E-04	2.28E-04	2.25E-04	8.09E-08	2.44E-07	1.41E-07	1.38E-07	1.25E-07	5.70E-08	5.63E-08	0.00E+00	0.00E+00	2.60E-08	4.68E-09	2.97E-08	4.58E-09	4.36E-09	6.93E-08	7.37E-08	2.70E-08	3.68E-08	1.38E-08	7.37E-08	2.70E-08
5091	496863.1	3863877	2.64E-04	2.57E-04	2.54E-04	9.13E-08	2.76E-07	1.60E-07	1.56E-07	1.41E-07	6.44E-08	6.36E-08	0.00E+00	0.00E+00	2.94E-08	5.29E-09	3.36E-08	5.17E-09	4.92E-09	7.83E-08	8.33E-08	3.05E-08	4.16E-08	1.55E-08	8.33E-08	3.05E-08
5092	497363.1	3863877	2.72E-04	2.65E-04	2.62E-04	9.41E-08	2.84E-07	1.64E-07	1.60E-07	1.45E-07	6.64E-08	6.55E-08	0.00E+00	0.00E+00	3.02E-08	5.45E-09	3.46E-08	5.33E-09	5.07E-09	8.07E-08	8.58E-08	3.15E-08	4.28E-08	1.60E-08	8.58E-08	3.15E-08
5093	497863.1	3863877	2.68E-04	2.61E-04	2.58E-04	9.26E-08	2.80E-07	1.62E-07	1.58E-07	1.43E-07	6.54E-08	6.45E-08	0.00E+00	0.00E+00	2.98E-08	5.36E-09	3.40E-08	5.25E-09	4.99E-09	7.94E-08	8.45E-08	3.10E-08	4.22E-08	1.58E-08	8.45E-08	3.10E-08
5094	498363.1	3863877	2.60E-04	2.53E-04	2.50E-04	8.99E-08	2.71E-07	1.57E-07	1.53E-07	1.39E-07	6.34E-08	6.26E-08	0.00E+00	0.00E+00	2.89E-08	5.20E-09	3.30E-08	5.09E-09	4.85E-09	7.71E-08	8.20E-08	3.01E-08	4.09E-08	1.53E-08	8.20E-08	3.01E-08
5095	471363.1	3864377	7.38E-05	7.21E-05	7.11E-05	2.56E-08	7.72E-08	4.47E-08	4.36E-08	3.95E-08	1.80E-08	1.78E-08	0.00E+00	0.00E+00	8.22E-09	1.48E-09	9.39E-09	1.45E-09	1.38E-09	2.19E-08	2.33E-08	8.55E-09	1.16E-08	4.35E-09	2.33E-08	8.55E-09
5096	471863.1	3864377	7.47E-05	7.29E-05	7.19E-05	2.59E-08	7.81E-08	4.52E-08	4.41E-08	4.00E-08	1.82E-08	1.80E-08	0.00E+00	0.00E+00	8.31E-09	1.50E-09	9.50E-09	1.46E-09	1.39E-09	2.22E-08	2.36E-08	8.64E-09	1.18E-08	4.40E-09	2.36E-08	8.64E-09
5097	472363.1	3864377	7.63E-05	7.45E-05	7.35E-05	2.64E-08	7.98E-08	4.62E-08	4.51E-08	4.09E-08	1.86E-08	1.84E-08	0.00E+00	0.00E+00	8.50E-09	1.53E-09	9.71E-09	1.50E-09	1.42E-09	2.27E-08	2.41E-08	8.84E-09	1.20E-08	4.49E-09	2.41E-08	8.84E-09
5098	472863.1	3864377	7.76E-05	7.57E-05	7.47E-05	2.69E-08	8.11E-08	4.69E-08	4.58E-08	4.15E-08	1.89E-08	1.87E-08	0.00E+00	0.00E+00	8.64E-09	1.55E-09	9.87E-09	1.52E-09	1.45E-09	2.30E-08	2.45E-08	8.98E-09	1.22E-08	4.57E-09	2.45E-08	8.98E-09
5099	473363.1	3864377	7.88E-05	7.69E-05	7.59E-05	2.73E-08	8.24E-08	4.77E-08	4.65E-08	4.22E-08	1.93E-08	1.90E-08	0.00E+00	0.00E+00	8.77E-09	1.58E-09	1.00E-08	1.55E-09	1.47E-09	2.34E-08	2.49E-08	9.12E-09	1.24E-08	4.64E-09	2.49E-08	9.12E-09
5100	473863.1	3864377	8.01E-05	7.81E-05	7.71E-05	2.77E-08	8.37E-08	4.84E-08	4.73E-08	4.29E-08	1.96E-08	1.93E-08	0.00E+00	0.00E+00	8.91E-09	1.60E-09	1.02E-08	1.57E-09	1.49E-09	2.38E-08	2.53E-08	9.27E-09	1.26E-08	4.71E-09	2.53E-08	9.27E-09
5101	474363.1	3864377	8.13E-05	7.93E-05	7.83E-05	2.81E-08	8.50E-08	4.92E-08	4.80E-08	4.35E-08	1.99E-08	1.96E-08	0.00E+00	0.00E+00	9.05E-09	1.63E-09	1.03E-08	1.59E-09	1.52E-09	2.41E-08	2.57E-08	9.41E-09	1.28E-08	4.79E-09	2.57E-08	9.41E-09
5102	474863.1	3864377	8.26E-05	8.06E-05	7.95E-05	2.86E-08	8.63E-08	5.00E-08	4.87E-08	4.42E-08	2.02E-08	1.99E-08	0.00E+00	0.00E+00	9.19E-09	1.65E-09	1.05E-08	1.62E-09	1.54E-09	2.45E-08	2.61E-08	9.56E-09	1.30E-08	4.86E-09	2.61E-08	9.56E-09
5103	475363.1	3864377	8.38E-05	8.18E-05	8.07E-05	2.90E-08	8.76E-08	5.07E-08	4.95E-08	4.49E-08	2.05E-08	2.02E-08	0.00E+00	0.00E+00	9.33E-09	1.68E-09	1.07E-08	1.64E-09	1.56E-09	2.49E-08	2.65E-08	9.70E-09	1.32E-08	4.93E-09	2.65E-08	9.70E-09
5104	475863.1	3864377	8.55E-05	8.34E-05	8.23E-05	2.96E-08	8.93E-08	5.17E-08	5.05E-08	4.57E-08	2.09E-08	2.06E-08	0.00E+00	0.00E+00	9.51E-09	1.71E-09	1.09E-08	1.68E-09	1.59E-09	2.54E-08	2.70E-08	9.89E-09	1.35E-08	5.03E-09	2.70E-08	9.89E-09
5105	476363.1	3864377	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	0.00E+00	0.00E+00	9.65E-09	1.74E-09	1.10E-08	1.70E-09	1.62E-09	2.57E-08	2.74E-08	1.00E-08	1.37E-08	5.10E-09	2.74E-08	1.00E-08
5106	476863.1	3864377	8.84E-05	8.62E-05	8.51E-05	3.06E-08	9.24E-08	5.35E-08	5.22E-08	4.73E-08	2.16E-08	2.13E-08	0.00E+00	0.00E+00	9.84E-09	1.77E-09	1.12E-08	1.73E-09	1.65E-09	2.62E-08	2.79E-08	1.02E-08	1.39E-08	5.20E-09	2.79E-08	1.02E-08
5107	477363.1	3864377	9.04E-05	8.83E-05	8.71E-05	3.13E-08	9.45E-08	5.47E-08	5.34E-08	4.84E-08	2.21E-08	2.18E-08	0.00E+00	0.00E+00	1.01E-08	1.81E-09	1.15E-08	1.77E-09	1.69E-09	2.68E-08	2.85E-08	1.05E-08	1.42E-08	5.32E-09	2.85E-08	1.05E-08
5108	477863.1	3864377	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.17E-08	1.81E-09	1.72E-09	2.73E-08	2.91E-08	1.07E-08	1.45E-08	5.42E-09	2.91E-08	1.07E-08
5109	478363.1	3864377	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	0.00E+00	0.00E+00	1.04E-08	1.87E-09	1.19E-08	1.83E-09	1.74E-09	2.77E-08	2.95E-08	1.08E-08	1.47E-08	5.50E-09	2.95E-08	1.08E-08
5110	478863.1	3864377	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	0.00E+00	0.00E+00	1.06E-08	1.90E-09	1.21E-08	1.86E-09	1.77E-09	2.82E-08	3.00E-08	1.10E-08	1.50E-08	5.59E-09	3.00E-08	1.10E-08
5111	479363.1	3864377	9.67E-05	9.43E-05	9.31E-05	3.35E-08	1.01E-07	5.85E-08	5.71E-08	5.17E-08	2.36E-08	2.33E-08	0.00E+00	0.00E+00	1.08E-08	1.94E-09	1.23E-08	1.90E-09	1.80E-09	2.87E-08	3.05E-08	1.12E-08	1.52E-08	5.69E-09	3.05E-08	1.12E-08
5112	479863.1	3864377	9.87E-05	9.64E-05	9.51E-05	3.42E-08	1.03E-07	5.97E-08	5.83E-08	5.28E-08	2.41E-08	2.38E-08	0.00E+00	0.00E+00	1.10E-08	1.98E-09	1.26E-08	1.94E-09	1.84E-09	2.93E-08	3.12E-08	1.14E-08	1.56E-08	5.81E-09	3.12E-08	1.14E-08
5113	480363.1	3864377	1.00E-04	9.80E-05	9.67E-05	3.48E-08	1.05E-07	6.07E-08	5.93E-08	5.37E-08	2.45E-08	2.42E-08	0.00E+00	0.00E+00	1.12E-08	2.01E-09	1.28E-08	1.97E-09	1.87E-09	2.98E-08	3.17E-08	1.16E-08	1.58E-08	5.91E-09	3.17E-08	1.16E-08
5114	480863.1	3864377	1.02E-04	1.00E-04	9.87E-05	3.55E-08	1.07E-07	6.20E-08	6.05E-08	5.48E-08	2.50E-08	2.47E-08	0.00E+00	0.00E+00	1.14E-08	2.05E-09	1.30E-08	2.01E-09	1.91E-09	3.04E-08	3.23E-08	1.19E-08	1.61E-08	6.03E-09	3.23E-08	1.19E-08
5115	481363.1	3864377	1.05E-04	1.03E-04	1.01E-04	3.65E-08	1.10E-07	6.38E-08	6.22E-08	5.64E-08	2.57E-08	2.54E-08	0.00E+00	0.00E+00	1.17E-08	2.11E-09	1.34E-08	2.07E-09	1.97E-09	3.13E-08	3.33E-08	1.22E-08	1.66E-08	6.20E-09	3.33E-08	1.22E-08
5116	481863.1	3864377	1.08E-04	1.06E-04	1.04E-04	3.75E-08	1.13E-07	6.55E-08	6.39E-08	5.80E-08	2.64E-08	2.61E-08	0.00E+00	0.00E+00	1.21E-08	2.17E-09	1.38E-08	2.12E-09	2.02E-09	3.21E-08	3.42E-08	1.25E-08	1.71E-08	6.37E-09	3.42E-08	1.25E-08
5117	482363.1	3864377	1.10E-04	1.08E-04	1.06E-04	3.82E-08	1.15E-07	6.68E-08	6.52E-08	5.91E-08	2.70E-08	2.66E-08	0.00E+00	0.00E+00	1.23E-08	2.21E-09	1.40E-08	2.16E-09	2.06E-09	3.28E-08	3.48E-08	1.28E-08	1.74E-08	6.50E-09	3.48E-08	1.28E-08
5118	482863.1	3864377	1.12E-04	1.10E-04	1.08E-04	3.89E-08	1.18E-07	6.80E-08	6.64E-08	6.02E-08	2.75E-08	2.71E-08	0.00E+00	0.00E+00	1.25E-08	2.25E-09	1.43E-08	2.20E-09	2.10E-09	3.34E-08	3.55E-08	1.30E-08	1.77E-08	6.62E-09	3.55E-08	1.30E-08
5119	483363.1	3864377	1.15E-04	1.12E-04	1.11E-04	3.98E-08	1.20E-07	6.95E-08	6.79E-08	6.15E-08	2.81E-08	2.77E-08	0.00E+00	0.00E+00	1.28E-08	2.30E-09	1.46E-08	2.25E-09	2.14E-09	3.41E-08	3.63E-08	1.33E-08	1.81E-08	6.77E-09	3.63E-08	1.33E-08
5120	483863.1	3864377	1.17E-04	1.15E-04	1.13E-04	4.06E-08	1.23E-07	7.10E-08	6.93E-08	6.28E-08	2.87E-08	2.83E-08	0.00E+00	0.00E+00	1.31E-08	2.35E-09	1.49E-08	2.30E-09	2.19E-09	3.48E-08	3.71E-08	1.36E-08	1.85E-08	6.91E-09	3.71E-08	1.36E-08
5121	484363.1	3864377	1.20E-04	1.17E-04	1.15E-04	4.15E-08	1.25E-07	7.25E-08	7.08E-08	6.42E-08	2.93E-08	2.89E-08	0.00E+00	0.00E+00	1.33E-08	2.40E-09	1.52E-08	2.35E-09	2.24E-09	3.56E-08	3.78E-08	1.39E-08	1.89E-08	7.06E-09	3.78E-08	1.39E-08
5122	484863.1	3864377	1.23E-04	1.20E-04	1.19E-04	4.27E-08	1.29E-07	7.46E-08	7.28E-08	6.60E-08	3.01E-08	2.97E-08	0.00E+00	0.00E+00	1.37E-08	2.47E-09	1.57E-08	2.42E-09	2.30E-09	3.66E-08	3.89E-08	1.43E-08	1.94E-08	7.25E-09	3.89E-08	1.43E-08
5123	485363.1	3864377	1.27E-04	1.23E-04	1.22E-04	4.38E-08	1.32E-07	7.66E-08	7.47E-08	6.77E-08	3.09E-08	3.05E-08	0.00E+00	0.00E+00	1.41E-08	2.54E-09	1.61E-08	2.48E-09	2.36E-09	3.76E-08	3.99E-08	1.46E-08	1.99E-08	7.45E-09	3.99E-08	1.46E-08
5124	485863.1	3864377	1.30E-04	1.27E-04	1.25E-04	4.50E-08	1.36E-07	7.86E-08	7.67E-08	6.95E-08	3.17E-08	3.13E-08	0.00E+00	0.00E+00	1.45E-08	2.60E-09	1.65E-08	2.55E-09	2.42E-09	3.85E-08	4.10E-08	1.50E-08	2.05E-08	7.64E-09	4.10E-08	1.50E-08
5125	486363.1	3864377	1.33E-04	1.30E-04	1.28E-04	4.60E-08	1.39E-07	8.03E-08	7.84E-08	7.11E-08	3.24E-08	3.20E-08	0.00E+00	0.00E+00	1.48E-08	2.66E-09	1.69E-08	2.60E-09	2.48E-09	3.94E-08	4.19E-08	1.54E-08	2.09E-08	7.82E-09	4.19E-08	1.54E-08
5126	486863.1	3864377	1.36E-04	1.33E-04	1.31E-04	4.71E-08	1.42E-07	8.23E-08	8.03E-08	7.28E-08	3.32E-08	3.28E-08	0.00E+00	0.00E+00	1.51E-08	2.73E-09	1.73E-08	2.67E-09	2.54E-09	4.04E-08	4.29E-08	1.58E-08	2.14E-08	8.01E-09	4.29E-08	1.58E-08
5127	487363.1	3864377	1.40E-04	1.36E-04	1.35E-04	4.84E-08	1.46E-07	8.46E-08	8.26E-08	7.48E-08	3.41E-08	3.37E-08	0.00E+00	0.00E+00	1.56E-08	2.80E-09	1.78E-08	2.74E-09	2.61E-09	4.15E-08	4.41E-08	1.62E-08	2.20E-08	8.23E-09	4.41E-08	1.62E-08
5128	487863.1	3864377	1.44E-04	1.40E-04	1.39E-04	4.98E-08	1.50E-07	8.71E-08	8.50E-08	7.71E-08	3.52E-08	3.47E-08	0.00E+00	0.00E+00	1.60E-08	2.89E-09	1.83E-08	2.82E-09	2.69E-09	4.27E-08	4.54E-08	1.67E-08	2.27E-08	8.47E-09	4.54E-08	1.67E-08
5129	488363.1	3864377	1.48E-04	1.45E-04	1.43E-04	5.13E-08	1.55E-07	8.96E-08	8.75E-08	7.93E-08	3.62E-08	3.57E-08	0.00E+00	0.00E+00	1.65E-08	2.97E-09	1.88E-08	2.90E-09	2.76E-09	4.40E-08	4.67E-08	1.71E-08	2.33E-08	8.72E-09	4.67E-08	1.71E-08
5130	488863.1	3864377	1.52E-04	1.49E-04	1.47E-04	5.27E-08	1.59E-07	9.21E-08	8.99E-08	8.15E-08	3.72E-08	3.67E-08	0.00E+00	0.00E+00	1.69E-08	3.05E-09	1.94E-08	2.99E-09	2.84E-09	4.52E-08	4.81E-08	1.76E-08	2.40E-08	8.96E-09	4.81E-08	1.76E-08
5131	489363.1	3864377	1.56E-04	1.52E-04	1.50E-04	5.40E-08	1.63E-07	9.44E-08	9.21E-08	8.35E-08	3.81E-08	3.76E-08	0.00E+00	0.00E+00	1.74E-08	3.13E-09	1.98E-08	3.06E-09	2.91E-09	4.63E-08	4.92E-08	1.81E-08	2.46E-08	9.18E-09	4.92E-08	1.81E-08
5132	489863.1	3864377	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	0.00E+00	0.00E+00	1.78E-08	3.21E-09	2.04E-08	3.14E-09	2.99E-09	4.75E-08	5.05E-08	1.85E-08	2.52E-08	9.43E-09	5.05E-08	1.85E-08
5133	490363.1	3864377	1.65E-04	1.61E-04	1.59E-04	5.70E-08	1.72E-07	9.97E-08	9.72E-08	8.82E-08	4.02E-08	3.97E-08	0.00E+00	0.00E+00	1.83E-08	3.30E-09	2.09E-08	3.23E-09	3.07E-09	4.89E-08	5.20E-08	1.91E-08	2.59E-08	9.70E-09	5.20E-08	1.91E-08
5134	490863.1	3864377	1.69E-04	1.65E-04	1.63E-04	5.85E-08	1.76E-07	1.02E-07	9.97E-08	9.04E-08	4.12E-08	4.07E-08	0.00E+00	0.00E+00	1.88E-08	3.38E-09	2.15E-08	3.31E-09	3.15E-09	5.01E-08	5.33E-08	1.95E-08	2.66E-08	9.94E-09	5.33E-08	1.95E-08
5135	491363.1	3864377	1.61E-04	1.57E-04	1.55E-04	5.59E-08	1.69E-07	9.77E-08	9.53E-08	8.64E-08	3.94E-08	3.89E-08	0.00E+00	0.00E+00	1.80E-08	3.23E-09	2.05E-08	3.16E-09	3.01E-09	4.79E-08	5.09E-08	1.87E-08	2.54E-08	9.50E-09	5.09E-08	1.87E-08
5136	491863.1	3864377	9.75E-05	9.51E-05	9.39E-05	3.37E-08	1.02E-07	5.90E-08	5.76E-08	5.22E-08	2.38E-08	2.35E-08	0.00E+00	0.00E+00	1.09E-08	1.95E-09	1.24E-08	1.91E-09	1.82E-09	2.89E-08	3.08E-08	1.13E-08	1.54E-08	5.74E-09	3.08E-08	1.13E-08
5137	492363.1	3864377	1.22E-04	1.19E-04	1.18E-04	4.24E-08	1.28E-07	7.41E-08	7.23E-08	6.55E-08	2.99E-08	2.95E-08	0.00E+00	0.00E+00	1.36E-08	2.45E-09	1.56E-08	2.40E-09	2.28E-09	3.63E-08	3.86E-08	1.42E-08	1.93E-08	7.20E-09	3.86E-08	1.42E-08
5138	492863.1	3864377	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	0.00E+00	0.00E+00	1.13E-08	2.03E-09	1.29E-08	1.99E-09	1.89E-09	3.00E-08	3.19E-08	1.17E-08	1.59E-08	5.96E-09	3.19E-08	1.17E-08
5139	493363.1	3864377	1.15E-04	1.12E-04	1.11E-04	3.98E-08	1.20E-07	6.95E-08	6.79E-08	6.15E-08	2.81E-08	2.77E-08	0.00E+00	0.00E+00	1.28E-08	2.30E-09	1.46E-08	2.25E-09	2.14E-09	3.41E-08	3.63E-08	1.33E-08	1.81E-08	6.77E-09	3.63E-08	1.33E-08
5140	493863.1	3864377	1.32E-04	1.28E-04	1.27E-04	4.55E-08	1.37E-07	7.96E-08	7.77E-08	7.04E-08	3.21E-08	3.17E-08	0.00E+00	0.00E+00	1.46E-08	2.64E-09	1.67E-08	2.58E-09	2.45E-09	3.90E-08	4.15E-08	1.52E-08	2.07E-08	7.74E-09	4.15E-08	1.52E-08
5141	494363.1	3864377	1.45E-04	1.42E-04	1.40E-04	5.03E-08	1.52E-07	8.79E-08	8.57E-08	7.77E-08	3.55E-08	3.50E-08	0.00E+00	0.00E+00	1.62E-08	2.91E-09	1.85E-08	2.85E-09	2.71E-09	4.31E-08	4.58E-08	1.68E-08	2.29E-08	8.55E-09	4.58E-08	1.68E-08
5142	494863.1	3864377	1.58E-04	1.54E-04	1.52E-04	5.46E-08	1.65E-07	9.54E-08	9.31E-08	8.44E-08	3.85E-08	3.80E-08	0.00E+00	0.00E+00	1.75E-08	3.16E-09	2.00E-08	3.09E-09	2.94E-09	4.68E-08	4.98E-08	1.82E-08	2.48E-08	9.28E-09	4.98E-08	1.82E-08
5143	495363.1	3864377	1.59E-04	1.55E-04	1.53E-04	5.50E-08	1.66E-07	9.61E-08	9.38E-08	8.50E-08	3.88E-08	3.83E-08	0.00E+00	0.00E+00	1.77E-08	3.18E-09	2.02E-08	3.12E-09	2.96E-09	4.72E-08	5.02E-08	1.84E-08	2.50E-08	9.35E-09	5.02E-08	1.84E-08
5144	495863.1	3864377	1.59E-04	1.55E-04	1.53E-04	5.51E-08	1.67E-07	9.64E-08	9.41E-08	8.53E-08	3.89E-08	3.84E-08	0.00E+00	0.00E+00	1.77E-08	3.19E-09	2.03E-08	3.12E-09	2.97E-09	4.73E-08	5.03E-08	1.84E-08	2.51E-08	9.38E-09	5.03E-08	1.84E-08
5145	496363.1	3864377	1.67E-04	1.63E-04	1.61E-04	5.79E-08	1.75E-07	1.01E-07	9.87E-08	8.95E-08	4.08E-08	4.03E-08	0.00E+00	0.00E+00	1.86E-08	3.35E-09	2.13E-08	3.28E-09	3.12E-09	4.96E-08	5.28E-08	1.94E-08	2.63E-08	9.84E-09	5.28E-08	1.94E-08
5146	496863.1	3864377	1.72E-04	1.68E-04	1.65E-04	5.95E-08	1.80E-07	1.04E-07	1.01E-07	9.19E-08	4.19E-08	4.14E-08	0.00E+00	0.00E+00	1.91E-08	3.44E-09	2.18E-08	3.37E-09	3.20E-09	5.10E-08	5.42E-08	1.99E-08	2.71E-08	1.01E-08	5.42E-08	1.99E-08
5147	497363.1	3864377	1.87E-04	1.83E-04	1.80E-04	6.48E-08	1.96E-07	1.13E-07	1.10E-07	1.00E-07	4.57E-08	4.51E-08	0.00E+00	0.00E+00	2.08E-08	3.75E-09	2.38E-08	3.67E-09	3.49E-09	5.55E-08	5.91E-08	2.17E-08	2.95E-08	1.10E-08	5.91E-08	2.17E-08
5148	497863.1	3864377	1.90E-04	1.85E-04	1.83E-04	6.58E-08	1.99E-07	1.15E-07	1.12E-07	1.02E-07	4.64E-08	4.58E-08	0.00E+00	0.00E+00	2.12E-08	3.81E-09	2.42E-08	3.73E-09	3.55E-09	5.64E-08	6.00E-08	2.20E-08	2.99E-08	1.12E-08	6.00E-08	2.20E-08
5149	498363.1	3864377	2.01E-04	1.96E-04	1.94E-04	6.97E-08	2.10E-07	1.22E-07	1.19E-07	1.08E-07	4.91E-08	4.85E-08	0.00E+00	0.00E+00	2.24E-08	4.03E-09	2.56E-08	3.95E-09	3.75E-09	5.97E-08	6.35E-08	2.33E-08	3.17E-08	1.18E-08	6.35E-08	2.33E-08
5150	471363.1	3864877	7.18E-05	7.00E-05	6.91E-05	2.48E-08	7.50E-08	4.34E-08	4.24E-08	3.84E-08	1.75E-08	1.73E-08	0.00E+00	0.00E+00	7.99E-09	1.44E-09	9.13E-09	1.41E-09	1.34E-09	2.13E-08	2.27E-08	8.31E-09	1.13E-08	4.23E-09	2.27E-08	8.31E-09
5151	471863.1	3864877	7.30E-05	7.13E-05	7.03E-05	2.53E-08	7.63E-08	4.42E-08	4.31E-08	3.91E-08	1.78E-08	1.76E-08	0.00E+00	0.00E+00	8.13E-09	1.46E-09	9.29E-09	1.43E-09	1.36E-09	2.17E-08	2.30E-08	8.45E-09	1.15E-08	4.30E-09	2.30E-08	8.45E-09
5152	472363.1	3864877	7.38E-05	7.21E-05	7.11E-05	2.56E-08	7.72E-08	4.47E-08	4.36E-08	3.95E-08	1.80E-08	1.78E-08	0.00E+00	0.00E+00	8.22E-09	1.48E-09	9.39E-09	1.45E-09	1.38E-09	2.19E-08	2.33E-08	8.55E-09	1.16E-08	4.35E-09	2.33E-08	8.55E-09

5153	472863.1	3864877	7.55E-05	7.37E-05	7.27E-05	2.61E-08	7.89E-08	4.57E-08	4.46E-08	4.04E-08	1.84E-08	1.82E-08	0.00E+00	0.00E+00	8.41E-09	1.51E-09	9.60E-09	1.48E-09	1.41E-09	2.24E-08	2.38E-08	8.74E-09	1.19E-08	4.45E-09	2.38E-08	8.74E-09
5154	473363.1	3864877	7.63E-05	7.45E-05	7.35E-05	2.64E-08	7.98E-08	4.62E-08	4.51E-08	4.09E-08	1.86E-08	1.84E-08	0.00E+00	0.00E+00	8.50E-09	1.53E-09	9.71E-09	1.50E-09	1.42E-09	2.27E-08	2.41E-08	8.84E-09	1.20E-08	4.49E-09	2.41E-08	8.84E-09
5155	473863.1	3864877	7.76E-05	7.57E-05	7.47E-05	2.69E-08	8.11E-08	4.69E-08	4.58E-08	4.15E-08	1.89E-08	1.87E-08	0.00E+00	0.00E+00	8.64E-09	1.55E-09	9.87E-09	1.52E-09	1.45E-09	2.30E-08	2.45E-08	8.98E-09	1.22E-08	4.57E-09	2.45E-08	8.98E-09
5156	474363.1	3864877	7.84E-05	7.65E-05	7.55E-05	2.71E-08	8.20E-08	4.74E-08	4.63E-08	4.20E-08	1.91E-08	1.89E-08	0.00E+00	0.00E+00	8.73E-09	1.57E-09	9.97E-09	1.54E-09	1.46E-09	2.33E-08	2.47E-08	9.08E-09	1.24E-08	4.62E-09	2.47E-08	9.08E-09
5157	474863.1	3864877	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	0.00E+00	0.00E+00	8.87E-09	1.60E-09	1.01E-08	1.56E-09	1.49E-09	2.36E-08	2.51E-08	9.22E-09	1.25E-08	4.69E-09	2.51E-08	9.22E-09
5158	475363.1	3864877	8.09E-05	7.89E-05	7.79E-05	2.80E-08	8.46E-08	4.90E-08	4.78E-08	4.33E-08	1.98E-08	1.95E-08	0.00E+00	0.00E+00	9.01E-09	1.62E-09	1.03E-08	1.59E-09	1.51E-09	2.40E-08	2.55E-08	9.37E-09	1.27E-08	4.76E-09	2.55E-08	9.37E-09
5159	475863.1	3864877	8.26E-05	8.06E-05	7.95E-05	2.86E-08	8.63E-08	5.00E-08	4.87E-08	4.42E-08	2.02E-08	1.99E-08	0.00E+00	0.00E+00	9.19E-09	1.65E-09	1.05E-08	1.62E-09	1.54E-09	2.45E-08	2.61E-08	9.56E-09	1.30E-08	4.86E-09	2.61E-08	9.56E-09
5160	476363.1	3864877	8.38E-05	8.18E-05	8.07E-05	2.90E-08	8.76E-08	5.07E-08	4.95E-08	4.49E-08	2.05E-08	2.02E-08	0.00E+00	0.00E+00	9.33E-09	1.68E-09	1.07E-08	1.64E-09	1.56E-09	2.49E-08	2.65E-08	9.70E-09	1.32E-08	4.93E-09	2.65E-08	9.70E-09
5161	476863.1	3864877	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	0.00E+00	0.00E+00	9.47E-09	1.70E-09	1.08E-08	1.67E-09	1.59E-09	2.52E-08	2.68E-08	9.85E-09	1.34E-08	5.01E-09	2.68E-08	9.85E-09
5162	477363.1	3864877	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	0.00E+00	0.00E+00	9.65E-09	1.74E-09	1.10E-08	1.70E-09	1.62E-09	2.57E-08	2.74E-08	1.00E-08	1.37E-08	5.10E-09	2.74E-08	1.00E-08
5163	477863.1	3864877	8.80E-05	8.58E-05	8.47E-05	3.04E-08	9.19E-08	5.32E-08	5.19E-08	4.71E-08	2.15E-08	2.12E-08	0.00E+00	0.00E+00	9.79E-09	1.76E-09	1.12E-08	1.72E-09	1.64E-09	2.61E-08	2.78E-08	1.02E-08	1.39E-08	5.18E-09	2.78E-08	1.02E-08
5164	478363.1	3864877	8.92E-05	8.70E-05	8.59E-05	3.09E-08	9.32E-08	5.40E-08	5.27E-08	4.77E-08	2.18E-08	2.15E-08	0.00E+00	0.00E+00	9.93E-09	1.79E-09	1.13E-08	1.75E-09	1.66E-09	2.65E-08	2.82E-08	1.03E-08	1.41E-08	5.25E-09	2.82E-08	1.03E-08
5165	478863.1	3864877	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	0.00E+00	0.00E+00	1.01E-08	1.82E-09	1.16E-08	1.78E-09	1.70E-09	2.70E-08	2.87E-08	1.05E-08	1.43E-08	5.35E-09	2.87E-08	1.05E-08
5166	479363.1	3864877	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.18E-08	1.81E-09	1.73E-09	2.75E-08	2.92E-08	1.07E-08	1.46E-08	5.45E-09	2.92E-08	1.07E-08
5167	479863.1	3864877	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	0.00E+00	0.00E+00	1.05E-08	1.89E-09	1.20E-08	1.85E-09	1.76E-09	2.80E-08	2.97E-08	1.09E-08	1.48E-08	5.54E-09	2.97E-08	1.09E-08
5168	480363.1	3864877	9.58E-05	9.35E-05	9.23E-05	3.32E-08	1.00E-07	5.80E-08	5.66E-08	5.13E-08	2.34E-08	2.31E-08	0.00E+00	0.00E+00	1.07E-08	1.92E-09	1.22E-08	1.88E-09	1.79E-09	2.84E-08	3.02E-08	1.11E-08	1.51E-08	5.64E-09	3.02E-08	1.11E-08
5169	480863.1	3864877	9.75E-05	9.51E-05	9.39E-05	3.37E-08	1.02E-07	5.90E-08	5.76E-08	5.22E-08	2.38E-08	2.35E-08	0.00E+00	0.00E+00	1.09E-08	1.95E-09	1.24E-08	1.91E-09	1.82E-09	2.89E-08	3.08E-08	1.13E-08	1.54E-08	5.74E-09	3.08E-08	1.13E-08
5170	481363.1	3864877	1.00E-04	9.80E-05	9.67E-05	3.48E-08	1.05E-07	6.07E-08	5.93E-08	5.37E-08	2.45E-08	2.42E-08	0.00E+00	0.00E+00	1.12E-08	2.01E-09	1.28E-08	1.97E-09	1.87E-09	2.98E-08	3.17E-08	1.16E-08	1.58E-08	5.91E-09	3.17E-08	1.16E-08
5171	481863.1	3864877	1.03E-04	1.00E-04	9.91E-05	3.56E-08	1.08E-07	6.23E-08	6.07E-08	5.51E-08	2.51E-08	2.48E-08	0.00E+00	0.00E+00	1.15E-08	2.06E-09	1.31E-08	2.02E-09	1.92E-09	3.05E-08	3.25E-08	1.19E-08	1.62E-08	6.06E-09	3.25E-08	1.19E-08
5172	482363.1	3864877	1.05E-04	1.02E-04	1.01E-04	3.62E-08	1.09E-07	6.33E-08	6.17E-08	5.60E-08	2.55E-08	2.52E-08	0.00E+00	0.00E+00	1.16E-08	2.10E-09	1.33E-08	2.05E-09	1.95E-09	3.10E-08	3.30E-08	1.21E-08	1.65E-08	6.15E-09	3.30E-08	1.21E-08
5173	482863.1	3864877	1.07E-04	1.04E-04	1.03E-04	3.69E-08	1.11E-07	6.45E-08	6.30E-08	5.71E-08	2.60E-08	2.57E-08	0.00E+00	0.00E+00	1.19E-08	2.14E-09	1.36E-08	2.09E-09	1.99E-09	3.16E-08	3.37E-08	1.23E-08	1.68E-08	6.28E-09	3.37E-08	1.23E-08
5174	483363.1	3864877	1.09E-04	1.06E-04	1.05E-04	3.76E-08	1.14E-07	6.58E-08	6.42E-08	5.82E-08	2.65E-08	2.62E-08	0.00E+00	0.00E+00	1.21E-08	2.18E-09	1.38E-08	2.13E-09	2.03E-09	3.23E-08	3.43E-08	1.26E-08	1.71E-08	6.40E-09	3.43E-08	1.26E-08
5175	483863.1	3864877	1.11E-04	1.08E-04	1.07E-04	3.83E-08	1.16E-07	6.70E-08	6.54E-08	5.93E-08	2.71E-08	2.67E-08	0.00E+00	0.00E+00	1.23E-08	2.22E-09	1.41E-08	2.17E-09	2.07E-09	3.29E-08	3.50E-08	1.28E-08	1.75E-08	6.52E-09	3.50E-08	1.28E-08
5176	484363.1	3864877	1.13E-04	1.10E-04	1.09E-04	3.91E-08	1.18E-07	6.83E-08	6.66E-08	6.04E-08	2.76E-08	2.72E-08	0.00E+00	0.00E+00	1.26E-08	2.26E-09	1.44E-08	2.21E-09	2.11E-09	3.35E-08	3.56E-08	1.31E-08	1.78E-08	6.64E-09	3.56E-08	1.31E-08
5177	484863.1	3864877	1.15E-04	1.13E-04	1.11E-04	3.99E-08	1.21E-07	6.98E-08	6.81E-08	6.17E-08	2.82E-08	2.78E-08	0.00E+00	0.00E+00	1.28E-08	2.31E-09	1.47E-08	2.26E-09	2.15E-09	3.42E-08	3.64E-08	1.34E-08	1.82E-08	6.79E-09	3.64E-08	1.34E-08
5178	485363.1	3864877	1.18E-04	1.15E-04	1.14E-04	4.09E-08	1.24E-07	7.15E-08	6.98E-08	6.33E-08	2.89E-08	2.85E-08	0.00E+00	0.00E+00	1.32E-08	2.37E-09	1.50E-08	2.32E-09	2.21E-09	3.51E-08	3.73E-08	1.37E-08	1.86E-08	6.96E-09	3.73E-08	1.37E-08
5179	485863.1	3864877	1.20E-04	1.17E-04	1.16E-04	4.16E-08	1.26E-07	7.28E-08	7.10E-08	6.44E-08	2.94E-08	2.90E-08	0.00E+00	0.00E+00	1.34E-08	2.41E-09	1.53E-08	2.36E-09	2.25E-09	3.57E-08	3.80E-08	1.39E-08	1.90E-08	7.08E-09	3.80E-08	1.39E-08
5180	486363.1	3864877	1.22E-04	1.19E-04	1.17E-04	4.22E-08	1.27E-07	7.38E-08	7.20E-08	6.53E-08	2.98E-08	2.94E-08	0.00E+00	0.00E+00	1.36E-08	2.44E-09	1.55E-08	2.39E-09	2.28E-09	3.62E-08	3.85E-08	1.41E-08	1.92E-08	7.18E-09	3.85E-08	1.41E-08
5181	486863.1	3864877	1.24E-04	1.21E-04	1.19E-04	4.29E-08	1.30E-07	7.51E-08	7.32E-08	6.64E-08	3.03E-08	2.99E-08	0.00E+00	0.00E+00	1.38E-08	2.49E-09	1.58E-08	2.43E-09	2.31E-09	3.68E-08	3.92E-08	1.44E-08	1.95E-08	7.30E-09	3.92E-08	1.44E-08
5182	487363.1	3864877	1.27E-04	1.23E-04	1.22E-04	4.38E-08	1.32E-07	7.66E-08	7.47E-08	6.77E-08	3.09E-08	3.05E-08	0.00E+00	0.00E+00	1.41E-08	2.54E-09	1.61E-08	2.48E-09	2.36E-09	3.76E-08	3.99E-08	1.46E-08	1.99E-08	7.45E-09	3.99E-08	1.46E-08
5183	487863.1	3864877	1.29E-04	1.26E-04	1.25E-04	4.48E-08	1.35E-07	7.83E-08	7.64E-08	6.93E-08	3.16E-08	3.12E-08	0.00E+00	0.00E+00	1.44E-08	2.59E-09	1.65E-08	2.54E-09	2.42E-09	3.84E-08	4.09E-08	1.50E-08	2.04E-08	7.62E-09	4.09E-08	1.50E-08
5184	488363.1	3864877	1.33E-04	1.30E-04	1.28E-04	4.61E-08	1.39E-07	8.06E-08	7.86E-08	7.13E-08	3.25E-08	3.21E-08	0.00E+00	0.00E+00	1.48E-08	2.67E-09	1.69E-08	2.61E-09	2.48E-09	3.95E-08	4.20E-08	1.54E-08	2.10E-08	7.84E-09	4.20E-08	1.54E-08
5185	488863.1	3864877	1.36E-04	1.33E-04	1.31E-04	4.71E-08	1.42E-07	8.23E-08	8.03E-08	7.28E-08	3.32E-08	3.28E-08	0.00E+00	0.00E+00	1.51E-08	2.73E-09	1.73E-08	2.67E-09	2.54E-09	4.04E-08	4.29E-08	1.58E-08	2.14E-08	8.01E-09	4.29E-08	1.58E-08
5186	489363.1	3864877	1.39E-04	1.35E-04	1.33E-04	4.80E-08	1.45E-07	8.38E-08	8.18E-08	7.42E-08	3.38E-08	3.34E-08	0.00E+00	0.00E+00	1.54E-08	2.78E-09	1.76E-08	2.72E-09	2.59E-09	4.11E-08	4.37E-08	1.60E-08	2.18E-08	8.16E-09	4.37E-08	1.60E-08
5187	489863.1	3864877	1.41E-04	1.38E-04	1.36E-04	4.88E-08	1.47E-07	8.54E-08	8.33E-08	7.55E-08	3.44E-08	3.40E-08	0.00E+00	0.00E+00	1.57E-08	2.83E-09	1.79E-08	2.77E-09	2.63E-09	4.19E-08	4.45E-08	1.63E-08	2.22E-08	8.30E-09	4.45E-08	1.63E-08
5188	490363.1	3864877	1.44E-04	1.41E-04	1.39E-04	5.00E-08	1.51E-07	8.74E-08	8.52E-08	7.73E-08	3.53E-08	3.48E-08	0.00E+00	0.00E+00	1.61E-08	2.89E-09	1.84E-08	2.83E-09	2.69E-09	4.29E-08	4.56E-08	1.67E-08	2.27E-08	8.50E-09	4.56E-08	1.67E-08
5189	490863.1	3864877	1.25E-04	1.22E-04	1.20E-04	4.32E-08	1.31E-07	7.56E-08	7.37E-08	6.68E-08	3.05E-08	3.01E-08	0.00E+00	0.00E+00	1.39E-08	2.50E-09	1.59E-08	2.45E-09	2.33E-09	3.71E-08	3.94E-08	1.45E-08	1.97E-08	7.35E-09	3.94E-08	1.45E-08
5190	491363.1	3864877	1.42E-04	1.39E-04	1.37E-04	4.93E-08	1.49E-07	8.61E-08	8.40E-08	7.62E-08	3.48E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.85E-09	1.81E-08	2.79E-09	2.66E-09	4.22E-08	4.49E-08	1.65E-08	2.24E-08	8.38E-09	4.49E-08	1.65E-08
5191	491863.1	3864877	1.23E-04	1.20E-04	1.19E-04	4.27E-08	1.29E-07	7.46E-08	7.28E-08	6.60E-08	3.01E-08	2.97E-08	0.00E+00	0.00E+00	1.37E-08	2.47E-09	1.57E-08	2.42E-09	2.30E-09	3.66E-08	3.89E-08	1.43E-08	1.94E-08	7.25E-09	3.89E-08	1.43E-08
5192	492363.1	3864877	7.76E-05	7.57E-05	7.47E-05	2.69E-08	8.11E-08	4.69E-08	4.58E-08	4.15E-08	1.89E-08	1.87E-08	0.00E+00	0.00E+00	8.64E-09	1.55E-09	9.87E-09	1.52E-09	1.45E-09	2.30E-08	2.45E-08	8.98E-09	1.22E-08	4.57E-09	2.45E-08	8.98E-09
5193	492863.1	3864877	8.38E-05	8.18E-05	8.07E-05	2.90E-08	8.76E-08	5.07E-08	4.95E-08	4.49E-08	2.05E-08	2.02E-08	0.00E+00	0.00E+00	9.33E-09	1.68E-09	1.07E-08	1.64E-09	1.56E-09	2.49E-08	2.65E-08	9.70E-09	1.32E-08	4.93E-09	2.65E-08	9.70E-09
5194	493363.1	3864877	8.13E-05	7.93E-05	7.83E-05	2.81E-08	8.50E-08	4.92E-08	4.80E-08	4.35E-08	1.99E-08	1.96E-08	0.00E+00	0.00E+00	9.05E-09	1.63E-09	1.03E-08	1.59E-09	1.52E-09	2.41E-08	2.57E-08	9.41E-09	1.28E-08	4.79E-09	2.57E-08	9.41E-09
5195	493863.1	3864877	1.05E-04	1.02E-04	1.01E-04	3.63E-08	1.10E-07	6.35E-08	6.20E-08	5.62E-08	2.56E-08	2.53E-08	0.00E+00	0.00E+00	1.17E-08	2.10E-09	1.33E-08	2.06E-09	1.96E-09	3.12E-08	3.31E-08	1.22E-08	1.65E-08	6.18E-09	3.31E-08	1.22E-08
5196	494363.1	3864877	1.19E-04	1.16E-04	1.15E-04	4.12E-08	1.24E-07	7.20E-08	7.03E-08	6.37E-08	2.91E-08	2.87E-08	0.00E+00	0.00E+00	1.33E-08	2.39E-09	1.51E-08	2.34E-09	2.22E-09	3.53E-08	3.76E-08	1.38E-08	1.88E-08	7.01E-09	3.76E-08	1.38E-08
5197	494863.1	3864877	1.24E-04	1.21E-04	1.20E-04	4.31E-08	1.30E-07	7.53E-08	7.35E-08	6.66E-08	3.04E-08	3.00E-08	0.00E+00	0.00E+00	1.39E-08	2.49E-09	1.58E-08	2.44E-09	2.32E-09	3.69E-08	3.93E-08	1.44E-08	1.96E-08	7.33E-09	3.93E-08	1.44E-08
5198	495363.1	3864877	1.30E-04	1.27E-04	1.25E-04	4.50E-08	1.36E-07	7.86E-08	7.67E-08	6.95E-08	3.17E-08	3.13E-08	0.00E+00	0.00E+00	1.45E-08	2.60E-09	1.65E-08	2.55E-09	2.42E-09	3.85E-08	4.10E-08	1.50E-08	2.05E-08	7.64E-09	4.10E-08	1.50E-08
5199	495863.1	3864877	1.39E-04	1.36E-04	1.34E-04	4.81E-08	1.45E-07	8.41E-08	8.21E-08	7.44E-08	3.39E-08	3.35E-08	0.00E+00	0.00E+00	1.55E-08	2.79E-09	1.77E-08	2.73E-09	2.59E-09	4.12E-08	4.39E-08	1.61E-08	2.19E-08	8.18E-09	4.39E-08	1.61E-08
5200	496363.1	3864877	1.32E-04	1.29E-04	1.27E-04	4.57E-08	1.38E-07	7.98E-08	7.79E-08	7.06E-08	3.22E-08	3.18E-08	0.00E+00	0.00E+00	1.47E-08	2.64E-09	1.68E-08	2.59E-09	2.46E-09	3.92E-08	4.16E-08	1.53E-08	2.08E-08	7.77E-09	4.16E-08	1.53E-08
5201	496863.1	3864877	1.34E-04	1.30E-04	1.29E-04	4.62E-08	1.40E-07	8.08E-08	7.89E-08	7.15E-08	3.26E-08	3.22E-08	0.00E+00	0.00E+00	1.49E-08	2.68E-09	1.70E-08	2.62E-09	2.49E-09	3.96E-08	4.22E-08	1.55E-08	2.10E-08	7.86E-09	4.22E-08	1.55E-08
5202	497363.1	3864877	1.38E-04	1.34E-04	1.33E-04	4.77E-08	1.44E-07	8.33E-08	8.13E-08	7.37E-08	3.36E-08	3.32E-08	0.00E+00	0.00E+00	1.53E-08	2.76E-09	1.75E-08	2.70E-09	2.57E-09	4.09E-08	4.35E-08	1.59E-08	2.17E-08	8.11E-09	4.35E-08	1.59E-08
5203	497863.1	3864877	1.43E-04	1.40E-04	1.38E-04	4.95E-08	1.50E-07	8.66E-08	8.45E-08	7.66E-08	3.50E-08	3.45E-08	0.00E+00	0.00E+00	1.59E-08	2.87E-09	1.82E-08	2.81E-09	2.67E-09	4.25E-08	4.52E-08	1.66E-08	2.25E-08	8.43E-09	4.52E-08	1.66E-08
5204	498363.1	3864877	1.55E-04	1.51E-04	1.49E-04	5.37E-08	1.62E-07	9.39E-08	9.16E-08	8.30E-08	3.79E-08	3.74E-08	0.00E+00	0.00E+00	1.73E-08	3.11E-09	1.97E-08	3.04E-09	2.90E-09	4.61E-08	4.90E-08	1.80E-08	2.44E-08	9.13E-09	4.90E-08	1.80E-08
5205	471363.1	3865377	6.97E-05	6.80E-05	6.71E-05	2.41E-08	7.29E-08	4.22E-08	4.12E-08	3.73E-08	1.70E-08	1.68E-08	0.00E+00	0.00E+00	7.76E-09	1.40E-09	8.86E-09	1.37E-09	1.30E-09	2.07E-08	2.20E-08	8.07E-09	1.10E-08	4.10E-09	2.20E-08	8.07E-09
5206	471863.1	3865377	7.05E-05	6.88E-05	6.79E-05	2.44E-08	7.37E-08	4.27E-08	4.16E-08	3.77E-08	1.72E-08	1.70E-08	0.00E+00	0.00E+00	7.85E-09	1.41E-09	8.97E-09	1.38E-09	1.32E-09	2.09E-08	2.23E-08	8.16E-09	1.11E-08	4.15E-09	2.23E-08	8.16E-09
5207	472363.1	3865377	7.14E-05	6.96E-05	6.87E-05	2.47E-08	7.46E-08	4.32E-08	4.21E-08	3.82E-08	1.74E-08	1.72E-08	0.00E+00	0.00E+00	7.94E-09	1.43E-09	9.07E-09	1.40E-09	1.33E-09	2.12E-08	2.25E-08	8.26E-09	1.12E-08	4.20E-09	2.25E-08	8.26E-09
5208	472863.1	3865377	7.30E-05	7.13E-05	7.03E-05	2.53E-08	7.63E-08	4.42E-08	4.31E-08	3.91E-08	1.78E-08	1.76E-08	0.00E+00	0.00E+00	8.13E-09	1.46E-09	9.29E-09	1.43E-09	1.36E-09	2.17E-08	2.30E-08	8.45E-09	1.15E-08	4.30E-09	2.30E-08	8.45E-09
5209	473363.1	3865377	7.38E-05	7.21E-05	7.11E-05	2.56E-08	7.72E-08	4.47E-08	4.36E-08	3.95E-08	1.80E-08	1.78E-08	0.00E+00	0.00E+00	8.22E-09	1.48E-09	9.39E-09	1.45E-09	1.38E-09	2.19E-08	2.33E-08	8.55E-09	1.16E-08	4.35E-09	2.33E-08	8.55E-09
5210	473863.1	3865377	7.47E-05	7.29E-05	7.19E-05	2.59E-08	7.81E-08	4.52E-08	4.41E-08	4.00E-08	1.82E-08	1.80E-08	0.00E+00	0.00E+00	8.31E-09	1.50E-09	9.50E-09	1.46E-09	1.39E-09	2.22E-08	2.36E-08	8.64E-09	1.18E-08	4.40E-09	2.36E-08	8.64E-09
5211	474363.1	3865377	7.59E-05	7.41E-05	7.31E-05	2.63E-08	7.94E-08	4.59E-08	4.48E-08	4.06E-08	1.85E-08	1.83E-08	0.00E+00	0.00E+00	8.45E-09	1.52E-09	9.66E-09	1.49E-09	1.42E-09	2.25E-08	2.40E-08	8.79E-09	1.20E-08	4.47E-09	2.40E-08	8.79E-09
5212	474863.1	3865377	7.68E-05	7.49E-05	7.39E-05	2.66E-08	8.02E-08	4.64E-08	4.53E-08	4.11E-08	1.87E-08	1.85E-08	0.00E+00	0.00E+00	8.54E-09	1.54E-09	9.76E-09	1.51E-09	1.43E-09	2.28E-08	2.42E-08	8.88E-09	1.21E-08	4.52E-09	2.42E-08	8.88E-09
5213	475363.1	3865377	7.84E-05	7.65E-05	7.55E-05	2.71E-08	8.20E-08	4.74E-08	4.63E-08	4.20E-08	1.91E-08	1.89E-08	0.00E+00	0.00E+00	8.73E-09	1.57E-09	9.97E-09	1.54E-09	1.46E-09	2.33E-08	2.47E-08	9.08E-09	1.24E-08	4.62E-09	2.47E-08	9.08E-09
5214	475863.1	3865377	7.92E-05	7.73E-05	7.63E-05	2.74E-08	8.28E-08	4.79E-08	4.68E-08	4.24E-08	1.94E-08	1.91E-08	0.00E+00	0.00E+00	8.82E-09	1.59E-09	1.01E-08	1.55E-09	1.48E-09	2.35E-08	2.50E-08	9.17E-09	1.25E-08	4.66E-09	2.50E-08	9.17E-09
5215	476363.1	3865377	8.09E-05	7.89E-05	7.79E-05	2.80E-08	8.46E-08	4.90E-08	4.78E-08	4.33E-08	1.98E-08	1.95E-08	0.00E+00	0.00E+00	9.01E-09	1.62E-09	1.03E-08	1.59E-09	1.51E-09	2.40E-08	2.55E-08	9.37E-09	1.27E-08	4.76E-09	2.55E-08	9.37E-09
5216	476863.1	3865377	7.92E-05	7.73E-05	7.63E-05	2.74E-08	8.28E-08	4.79E-08	4.68E-08	4.24E-08	1.94E-08	1.91E-08	0.00E+00	0.00E+00	8.82E-09	1.59E-09	1.01E-08	1.55E-09	1.48E-09	2.35E-08	2.50E-08	9.17E-09	1.25E-08	4.66E-09	2.50E-08	9.17E-09
5217	477363.1	3865377	8.34E-05	8.14E-05	8.03E-05	2.89E-08	8.72E-08	5.05E-08	4.92E-08	4.46E-08	2.04E-08	2.01E-08	0.00E+00	0.00E+00	9.28E-09	1.67E-09	1.06E-08	1.64E-09	1.56E-09	2.47E-08	2.63E-08	9.65E-09	1.31E-08	4.91E-09	2.63E-08	9.65E-09
5218	477863.1	3865377	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	0.00E+00	0.00E+00	9.47E-09	1.70E-09	1.08E-08	1.67E-09	1.59E-09	2.52E-08	2.68E-08	9.85E-09	1.34E-08	5.01E-09	2.68E-08	9.85E-09
5219	478363.1	3865377	8.59E-05	8.38E-05	8.27E-05	2.97E-08	8.98E-08	5.20E-08	5.07E-08	4.60E-08	2.10E-08	2.07E-08	0.00E+00	0.00E+00	9.56E-09	1.72E-09	1.09E-08	1.68E-09	1.60E-09	2.55E-08	2.71E-08	9.94E-09	1.35E-08	5.06E-09	2.71E-08	9.94E-09
5220	478863.1	3865377	8.75E-05	8.54E-05	8.43E-05	3.03E-08	9.15E-08	5.30E-08	5.17E-08	4.69E-08	2.14E-08	2.11E-08	0.00E+00	0.00E+00	9.74E-09	1.75E-09	1.11E-08	1.72E-09	1.63E-09	2.60E-08	2.76E-08	1.01E-08	1.38E-08	5.15E-09	2.76E-08	1.01E-08
5221	479363.1	3865377	8.88E-05	8.66E-05	8.55E-05	3.07E-08	9.28E-08	5.37E-08	5.24E-08	4.75E-08	2.17E-08	2.14E-08	0.00E+00	0.00E+00	9.88E-09	1.78E-09	1.13E-08	1.74E-09	1.66E-09	2.64E-08	2.80E-08	1.03E-08	1.40E-08	5.23E-09	2.80E-08	1.03E-08
5222	479863.1	3865377	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	0.00E+00	0.00E+00	1.00E-08	1.80E-09	1.14E-08	1.77E-09	1.68E-09	2.67E-08	2.84E-08	1.04E-08	1.42E-08	5.30E-09	2.84E-08	1.04E-08
5223	480363.1	3865377	9.17E-05	8.95E-05	8.83E-05	3.17E-08	9.58E-08	5.55E-08	5.41E-08	4.91E-08	2.24E-08	2.21E-08	0.00E+00	0.00E+00	1.02E-08	1.84E-09	1.17E-08	1.80E-09	1.71E-09	2.72E-08	2.89E-08	1.06E-08	1.44E-08	5.40E-09	2.89E-08	1.06E-08
5224	480863.1	3865377	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	0.00E+00	0.00E+00	1.04E-08	1.87E-09	1.19E-08	1.83E-09	1.74E-09	2.77E-08	2.95E-08	1.08E-08	1.47E-08	5.50E-09	2.95E-08	1.08E-08
5225	481363.1	3865377	9.54E-05	9.31E-05	9.19E-05	3.30E-08	9.97E-08	5.77E-08	5.63E-08	5.11E-08	2.33E-08	2.30E-08	0.00E+00	0.00E+00	1.06E-08	1.91E-09	1.21E-08	1.87E-09	1.78E-09	2.83E-08	3.01E-08	1.10E-08	1.50E-08	5.62E-09	3.01E-08	1.10E-08
5226	481863.1	3865377	9.71E-05	9.47E-05	9.35E-05	3.36E-08	1.01E-07	5.87E-08	5.73E-08	5.20E-08	2.37E-08	2.34E-08	0.00E+00	0.00E+00	1.08E-08	1.95E-09	1.23E-08	1.90E-09	1.81E-09	2.88E-08	3.06E-08	1.12E-08	1.53E-08	5.72E-09	3.06E-08	1.12E-08
5227	482363.1	3865377	9.83E-05	9.59E-05	9.47E-05	3.40E-08	1.03E-07	5.95E-08	5.81E-08	5.26E-08	2.40E-08	2.37E-08	0.00E+00	0.00E+00	1.09E-08	1.97E-09	1.25E-08	1.93E-09	1.83E-09	2.92E-08	3.10E-08	1.14E-08	1.55E-08	5.79E-09	3.10E-08	1.14E-08
5228	482863.1	3865377	1.00E-04	9.76E-05	9.63E-05	3.46E-08	1.05E-07	6.05E-08	5.90E-08	5.35E-08	2.44E-08	2.41E-08	0.00E+00	0.00E+00	1.11E-08	2.00E-09	1.27E-08	1.96E-09	1.87E-09	2.97E-08	3.16E-08	1.16E-08	1.58E-08	5.89E-09	3.16E-08	1.16E-08
5229	483363.1	3865377	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	0.00E+00	0.00E+00	1.13E-08	2.04E-09	1.29E-08	1.99E-09	1.90E-09	3.02E-08	3.21E-08	1.18E-08	1.60E-08	5.98E-09	3.21E-08	1.18E-08

5230	483863.1	3865377	1.03E-04	1.01E-04	9.95E-05	3.58E-08	1.08E-07	6.25E-08	6.10E-08	5.53E-08	2.52E-08	2.49E-08	0.00E+00	0.00E+00	1.15E-08	2.07E-09	1.31E-08	2.03E-09	1.93E-09	3.07E-08	3.26E-08	1.20E-08	1.63E-08	6.08E-09	3.26E-08	1.20E-08
5231	484363.1	3865377	1.05E-04	1.02E-04	1.01E-04	3.62E-08	1.09E-07	6.33E-08	6.17E-08	5.60E-08	2.55E-08	2.52E-08	0.00E+00	0.00E+00	1.16E-08	2.10E-09	1.33E-08	2.05E-09	1.95E-09	3.10E-08	3.30E-08	1.21E-08	1.65E-08	6.15E-09	3.30E-08	1.21E-08
5232	484863.1	3865377	1.07E-04	1.04E-04	1.03E-04	3.71E-08	1.12E-07	6.48E-08	6.32E-08	5.73E-08	2.61E-08	2.58E-08	0.00E+00	0.00E+00	1.19E-08	2.15E-09	1.36E-08	2.10E-09	2.00E-09	3.18E-08	3.38E-08	1.24E-08	1.69E-08	6.30E-09	3.38E-08	1.24E-08
5233	485363.1	3865377	1.09E-04	1.06E-04	1.05E-04	3.76E-08	1.14E-07	6.58E-08	6.42E-08	5.82E-08	2.65E-08	2.62E-08	0.00E+00	0.00E+00	1.21E-08	2.18E-09	1.38E-08	2.13E-09	2.03E-09	3.23E-08	3.43E-08	1.26E-08	1.71E-08	6.40E-09	3.43E-08	1.26E-08
5234	485863.1	3865377	1.11E-04	1.08E-04	1.07E-04	3.85E-08	1.16E-07	6.73E-08	6.56E-08	5.95E-08	2.72E-08	2.68E-08	0.00E+00	0.00E+00	1.24E-08	2.23E-09	1.41E-08	2.18E-09	2.07E-09	3.30E-08	3.51E-08	1.29E-08	1.75E-08	6.55E-09	3.51E-08	1.29E-08
5235	486363.1	3865377	1.12E-04	1.10E-04	1.08E-04	3.89E-08	1.18E-07	6.80E-08	6.64E-08	6.02E-08	2.75E-08	2.71E-08	0.00E+00	0.00E+00	1.25E-08	2.25E-09	1.43E-08	2.20E-09	2.10E-09	3.34E-08	3.55E-08	1.30E-08	1.77E-08	6.62E-09	3.55E-08	1.30E-08
5236	486863.1	3865377	1.14E-04	1.11E-04	1.09E-04	3.94E-08	1.19E-07	6.88E-08	6.71E-08	6.08E-08	2.78E-08	2.74E-08	0.00E+00	0.00E+00	1.27E-08	2.28E-09	1.45E-08	2.23E-09	2.12E-09	3.37E-08	3.59E-08	1.32E-08	1.79E-08	6.69E-09	3.59E-08	1.32E-08
5237	487363.1	3865377	1.15E-04	1.13E-04	1.11E-04	3.99E-08	1.21E-07	6.98E-08	6.81E-08	6.17E-08	2.82E-08	2.78E-08	0.00E+00	0.00E+00	1.28E-08	2.31E-09	1.47E-08	2.26E-09	2.15E-09	3.42E-08	3.64E-08	1.34E-08	1.82E-08	6.79E-09	3.64E-08	1.34E-08
5238	487863.1	3865377	1.17E-04	1.15E-04	1.13E-04	4.06E-08	1.23E-07	7.10E-08	6.93E-08	6.28E-08	2.87E-08	2.83E-08	0.00E+00	0.00E+00	1.31E-08	2.35E-09	1.49E-08	2.30E-09	2.19E-09	3.48E-08	3.71E-08	1.36E-08	1.85E-08	6.91E-09	3.71E-08	1.36E-08
5239	488363.1	3865377	1.19E-04	1.17E-04	1.15E-04	4.14E-08	1.25E-07	7.23E-08	7.05E-08	6.40E-08	2.92E-08	2.88E-08	0.00E+00	0.00E+00	1.33E-08	2.39E-09	1.52E-08	2.34E-09	2.23E-09	3.55E-08	3.77E-08	1.38E-08	1.88E-08	7.03E-09	3.77E-08	1.38E-08
5240	488863.1	3865377	1.23E-04	1.20E-04	1.18E-04	4.25E-08	1.28E-07	7.43E-08	7.25E-08	6.57E-08	3.00E-08	2.96E-08	0.00E+00	0.00E+00	1.37E-08	2.46E-09	1.56E-08	2.41E-09	2.29E-09	3.64E-08	3.88E-08	1.42E-08	1.93E-08	7.23E-09	3.88E-08	1.42E-08
5241	489363.1	3865377	1.26E-04	1.23E-04	1.21E-04	4.37E-08	1.32E-07	7.63E-08	7.45E-08	6.75E-08	3.08E-08	3.04E-08	0.00E+00	0.00E+00	1.40E-08	2.53E-09	1.60E-08	2.47E-09	2.35E-09	3.74E-08	3.98E-08	1.46E-08	1.99E-08	7.42E-09	3.98E-08	1.46E-08
5242	489863.1	3865377	1.28E-04	1.25E-04	1.23E-04	4.44E-08	1.34E-07	7.76E-08	7.57E-08	6.86E-08	3.13E-08	3.09E-08	0.00E+00	0.00E+00	1.43E-08	2.57E-09	1.63E-08	2.51E-09	2.39E-09	3.80E-08	4.05E-08	1.48E-08	2.02E-08	7.55E-09	4.05E-08	1.48E-08
5243	490363.1	3865377	1.15E-04	1.13E-04	1.11E-04	3.99E-08	1.21E-07	6.98E-08	6.81E-08	6.17E-08	2.82E-08	2.78E-08	0.00E+00	0.00E+00	1.28E-08	2.31E-09	1.47E-08	2.26E-09	2.15E-09	3.42E-08	3.64E-08	1.34E-08	1.82E-08	6.79E-09	3.64E-08	1.34E-08
5244	490863.1	3865377	1.11E-04	1.08E-04	1.07E-04	3.85E-08	1.16E-07	6.73E-08	6.56E-08	5.95E-08	2.72E-08	2.68E-08	0.00E+00	0.00E+00	1.24E-08	2.23E-09	1.41E-08	2.18E-09	2.07E-09	3.30E-08	3.51E-08	1.29E-08	1.75E-08	6.55E-09	3.51E-08	1.29E-08
5245	491363.1	3865377	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	0.00E+00	0.00E+00	1.21E-08	2.19E-09	1.39E-08	2.14E-09	2.04E-09	3.24E-08	3.44E-08	1.26E-08	1.72E-08	6.42E-09	3.44E-08	1.26E-08
5246	491863.1	3865377	1.10E-04	1.08E-04	1.06E-04	3.82E-08	1.15E-07	6.68E-08	6.52E-08	5.91E-08	2.70E-08	2.66E-08	0.00E+00	0.00E+00	1.23E-08	2.21E-09	1.40E-08	2.16E-09	2.06E-09	3.28E-08	3.48E-08	1.28E-08	1.74E-08	6.50E-09	3.48E-08	1.28E-08
5247	492363.1	3865377	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	0.00E+00	0.00E+00	1.06E-08	1.90E-09	1.21E-08	1.86E-09	1.77E-09	2.82E-08	3.00E-08	1.10E-08	1.50E-08	5.59E-09	3.00E-08	1.10E-08
5248	492863.1	3865377	8.17E-05	7.98E-05	7.87E-05	2.83E-08	8.54E-08	4.95E-08	4.83E-08	4.37E-08	2.00E-08	1.97E-08	0.00E+00	0.00E+00	9.10E-09	1.64E-09	1.04E-08	1.60E-09	1.53E-09	2.43E-08	2.58E-08	9.46E-09	1.29E-08	4.81E-09	2.58E-08	9.46E-09
5249	493363.1	3865377	7.47E-05	7.29E-05	7.19E-05	2.59E-08	7.81E-08	4.52E-08	4.41E-08	4.00E-08	1.82E-08	1.80E-08	0.00E+00	0.00E+00	8.31E-09	1.50E-09	9.50E-09	1.46E-09	1.39E-09	2.22E-08	2.36E-08	8.64E-09	1.18E-08	4.40E-09	2.36E-08	8.64E-09
5250	493863.1	3865377	8.34E-05	8.14E-05	8.03E-05	2.89E-08	8.72E-08	5.05E-08	4.92E-08	4.46E-08	2.04E-08	2.01E-08	0.00E+00	0.00E+00	9.28E-09	1.67E-09	1.06E-08	1.64E-09	1.56E-09	2.47E-08	2.63E-08	9.65E-09	1.31E-08	4.91E-09	2.63E-08	9.65E-09
5251	494363.1	3865377	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	0.00E+00	0.00E+00	1.05E-08	1.89E-09	1.20E-08	1.85E-09	1.76E-09	2.80E-08	2.97E-08	1.09E-08	1.48E-08	5.54E-09	2.97E-08	1.09E-08
5252	494863.1	3865377	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	0.00E+00	0.00E+00	1.14E-08	2.05E-09	1.30E-08	2.00E-09	1.90E-09	3.03E-08	3.22E-08	1.18E-08	1.61E-08	6.01E-09	3.22E-08	1.18E-08
5253	495363.1	3865377	1.06E-04	1.04E-04	1.02E-04	3.68E-08	1.11E-07	6.43E-08	6.27E-08	5.68E-08	2.59E-08	2.56E-08	0.00E+00	0.00E+00	1.18E-08	2.13E-09	1.35E-08	2.08E-09	1.98E-09	3.15E-08	3.35E-08	1.23E-08	1.67E-08	6.25E-09	3.35E-08	1.23E-08
5254	495863.1	3865377	1.15E-04	1.12E-04	1.11E-04	3.98E-08	1.20E-07	6.95E-08	6.79E-08	6.15E-08	2.81E-08	2.77E-08	0.00E+00	0.00E+00	1.28E-08	2.30E-09	1.46E-08	2.25E-09	2.14E-09	3.41E-08	3.63E-08	1.33E-08	1.81E-08	6.77E-09	3.63E-08	1.33E-08
5255	496363.1	3865377	1.08E-04	1.06E-04	1.04E-04	3.75E-08	1.13E-07	6.55E-08	6.39E-08	5.80E-08	2.64E-08	2.61E-08	0.00E+00	0.00E+00	1.21E-08	2.17E-09	1.38E-08	2.12E-09	2.02E-09	3.21E-08	3.42E-08	1.25E-08	1.71E-08	6.37E-09	3.42E-08	1.25E-08
5256	496863.1	3865377	1.05E-04	1.03E-04	1.01E-04	3.65E-08	1.10E-07	6.38E-08	6.22E-08	5.64E-08	2.57E-08	2.54E-08	0.00E+00	0.00E+00	1.17E-08	2.11E-09	1.34E-08	2.07E-09	1.97E-09	3.13E-08	3.33E-08	1.22E-08	1.66E-08	6.20E-09	3.33E-08	1.22E-08
5257	497363.1	3865377	1.14E-04	1.11E-04	1.10E-04	3.95E-08	1.19E-07	6.90E-08	6.74E-08	6.11E-08	2.79E-08	2.75E-08	0.00E+00	0.00E+00	1.27E-08	2.29E-09	1.45E-08	2.24E-09	2.13E-09	3.39E-08	3.60E-08	1.32E-08	1.80E-08	6.72E-09	3.60E-08	1.32E-08
5258	497863.1	3865377	1.16E-04	1.13E-04	1.12E-04	4.02E-08	1.21E-07	7.03E-08	6.86E-08	6.22E-08	2.84E-08	2.80E-08	0.00E+00	0.00E+00	1.29E-08	2.33E-09	1.48E-08	2.28E-09	2.17E-09	3.45E-08	3.67E-08	1.34E-08	1.83E-08	6.84E-09	3.67E-08	1.34E-08
5259	498363.1	3865377	1.14E-04	1.11E-04	1.09E-04	3.94E-08	1.19E-07	6.88E-08	6.71E-08	6.08E-08	2.78E-08	2.74E-08	0.00E+00	0.00E+00	1.27E-08	2.28E-09	1.45E-08	2.23E-09	2.12E-09	3.37E-08	3.59E-08	1.32E-08	1.79E-08	6.69E-09	3.59E-08	1.32E-08
5260	471363.1	3865877	6.72E-05	6.56E-05	6.47E-05	2.33E-08	7.02E-08	4.07E-08	3.97E-08	3.60E-08	1.64E-08	1.62E-08	0.00E+00	0.00E+00	7.48E-09	1.35E-09	8.55E-09	1.32E-09	1.25E-09	1.99E-08	2.12E-08	7.78E-09	1.06E-08	3.96E-09	2.12E-08	7.78E-09
5261	471863.1	3865877	6.89E-05	6.72E-05	6.63E-05	2.38E-08	7.20E-08	4.17E-08	4.07E-08	3.69E-08	1.68E-08	1.66E-08	0.00E+00	0.00E+00	7.67E-09	1.38E-09	8.76E-09	1.35E-09	1.29E-09	2.04E-08	2.17E-08	7.97E-09	1.08E-08	4.05E-09	2.17E-08	7.97E-09
5262	472363.1	3865877	6.97E-05	6.80E-05	6.71E-05	2.41E-08	7.29E-08	4.22E-08	4.12E-08	3.73E-08	1.70E-08	1.68E-08	0.00E+00	0.00E+00	7.76E-09	1.40E-09	8.86E-09	1.37E-09	1.30E-09	2.07E-08	2.20E-08	8.07E-09	1.10E-08	4.10E-09	2.20E-08	8.07E-09
5263	472863.1	3865877	7.05E-05	6.88E-05	6.79E-05	2.44E-08	7.37E-08	4.27E-08	4.16E-08	3.77E-08	1.72E-08	1.70E-08	0.00E+00	0.00E+00	7.85E-09	1.41E-09	8.97E-09	1.38E-09	1.32E-09	2.09E-08	2.23E-08	8.16E-09	1.11E-08	4.15E-09	2.23E-08	8.16E-09
5264	473363.1	3865877	7.14E-05	6.96E-05	6.87E-05	2.47E-08	7.46E-08	4.32E-08	4.21E-08	3.82E-08	1.74E-08	1.72E-08	0.00E+00	0.00E+00	7.94E-09	1.43E-09	9.07E-09	1.40E-09	1.33E-09	2.12E-08	2.25E-08	8.26E-09	1.12E-08	4.20E-09	2.25E-08	8.26E-09
5265	473863.1	3865877	7.26E-05	7.08E-05	6.99E-05	2.51E-08	7.59E-08	4.39E-08	4.29E-08	3.89E-08	1.77E-08	1.75E-08	0.00E+00	0.00E+00	8.08E-09	1.46E-09	9.23E-09	1.42E-09	1.35E-09	2.15E-08	2.29E-08	8.40E-09	1.14E-08	4.27E-09	2.29E-08	8.40E-09
5266	474363.1	3865877	7.38E-05	7.21E-05	7.11E-05	2.56E-08	7.72E-08	4.47E-08	4.36E-08	3.95E-08	1.80E-08	1.78E-08	0.00E+00	0.00E+00	8.22E-09	1.48E-09	9.39E-09	1.45E-09	1.38E-09	2.19E-08	2.33E-08	8.55E-09	1.16E-08	4.35E-09	2.33E-08	8.55E-09
5267	474863.1	3865877	7.51E-05	7.33E-05	7.23E-05	2.60E-08	7.85E-08	4.54E-08	4.43E-08	4.02E-08	1.83E-08	1.81E-08	0.00E+00	0.00E+00	8.36E-09	1.50E-09	9.55E-09	1.47E-09	1.40E-09	2.23E-08	2.37E-08	8.69E-09	1.18E-08	4.42E-09	2.37E-08	8.69E-09
5268	475363.1	3865877	7.59E-05	7.41E-05	7.31E-05	2.63E-08	7.94E-08	4.59E-08	4.48E-08	4.06E-08	1.85E-08	1.83E-08	0.00E+00	0.00E+00	8.45E-09	1.52E-09	9.66E-09	1.49E-09	1.42E-09	2.25E-08	2.40E-08	8.79E-09	1.20E-08	4.47E-09	2.40E-08	8.79E-09
5269	475863.1	3865877	7.76E-05	7.57E-05	7.47E-05	2.69E-08	8.11E-08	4.69E-08	4.58E-08	4.15E-08	1.89E-08	1.87E-08	0.00E+00	0.00E+00	8.64E-09	1.55E-09	9.87E-09	1.52E-09	1.45E-09	2.30E-08	2.45E-08	8.98E-09	1.22E-08	4.57E-09	2.45E-08	8.98E-09
5270	476363.1	3865877	7.80E-05	7.61E-05	7.51E-05	2.70E-08	8.15E-08	4.72E-08	4.61E-08	4.17E-08	1.90E-08	1.88E-08	0.00E+00	0.00E+00	8.68E-09	1.56E-09	9.92E-09	1.53E-09	1.46E-09	2.31E-08	2.46E-08	9.03E-09	1.23E-08	4.59E-09	2.46E-08	9.03E-09
5271	476863.1	3865877	7.68E-05	7.49E-05	7.39E-05	2.66E-08	8.02E-08	4.64E-08	4.53E-08	4.11E-08	1.87E-08	1.85E-08	0.00E+00	0.00E+00	8.54E-09	1.54E-09	9.76E-09	1.51E-09	1.43E-09	2.28E-08	2.42E-08	8.88E-09	1.21E-08	4.52E-09	2.42E-08	8.88E-09
5272	477363.1	3865877	8.09E-05	7.89E-05	7.79E-05	2.80E-08	8.46E-08	4.90E-08	4.78E-08	4.33E-08	1.98E-08	1.95E-08	0.00E+00	0.00E+00	9.01E-09	1.62E-09	1.03E-08	1.59E-09	1.51E-09	2.40E-08	2.55E-08	9.37E-09	1.27E-08	4.76E-09	2.55E-08	9.37E-09
5273	477863.1	3865877	8.21E-05	8.02E-05	7.91E-05	2.84E-08	8.59E-08	4.97E-08	4.85E-08	4.40E-08	2.01E-08	1.98E-08	0.00E+00	0.00E+00	9.14E-09	1.65E-09	1.04E-08	1.61E-09	1.53E-09	2.44E-08	2.59E-08	9.51E-09	1.29E-08	4.84E-09	2.59E-08	9.51E-09
5274	478363.1	3865877	8.30E-05	8.10E-05	7.99E-05	2.87E-08	8.67E-08	5.02E-08	4.90E-08	4.44E-08	2.03E-08	2.00E-08	0.00E+00	0.00E+00	9.24E-09	1.66E-09	1.06E-08	1.63E-09	1.55E-09	2.46E-08	2.62E-08	9.61E-09	1.31E-08	4.88E-09	2.62E-08	9.61E-09
5275	478863.1	3865877	8.38E-05	8.18E-05	8.07E-05	2.90E-08	8.76E-08	5.07E-08	4.95E-08	4.49E-08	2.05E-08	2.02E-08	0.00E+00	0.00E+00	9.33E-09	1.68E-09	1.07E-08	1.64E-09	1.56E-09	2.49E-08	2.65E-08	9.70E-09	1.32E-08	4.93E-09	2.65E-08	9.70E-09
5276	479363.1	3865877	8.46E-05	8.26E-05	8.15E-05	2.93E-08	8.85E-08	5.12E-08	5.00E-08	4.53E-08	2.07E-08	2.04E-08	0.00E+00	0.00E+00	9.42E-09	1.70E-09	1.08E-08	1.66E-09	1.58E-09	2.51E-08	2.67E-08	9.80E-09	1.33E-08	4.98E-09	2.67E-08	9.80E-09
5277	479863.1	3865877	8.55E-05	8.34E-05	8.23E-05	2.96E-08	8.93E-08	5.17E-08	5.05E-08	4.57E-08	2.09E-08	2.06E-08	0.00E+00	0.00E+00	9.51E-09	1.71E-09	1.09E-08	1.68E-09	1.59E-09	2.54E-08	2.70E-08	9.89E-09	1.35E-08	5.03E-09	2.70E-08	9.89E-09
5278	480363.1	3865877	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	0.00E+00	0.00E+00	9.65E-09	1.74E-09	1.10E-08	1.70E-09	1.62E-09	2.57E-08	2.74E-08	1.00E-08	1.37E-08	5.10E-09	2.74E-08	1.00E-08
5279	480863.1	3865877	8.80E-05	8.58E-05	8.47E-05	3.04E-08	9.19E-08	5.32E-08	5.19E-08	4.71E-08	2.15E-08	2.12E-08	0.00E+00	0.00E+00	9.79E-09	1.76E-09	1.12E-08	1.72E-09	1.64E-09	2.61E-08	2.78E-08	1.02E-08	1.39E-08	5.18E-09	2.78E-08	1.02E-08
5280	481363.1	3865877	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	0.00E+00	0.00E+00	1.00E-08	1.80E-09	1.14E-08	1.77E-09	1.68E-09	2.67E-08	2.84E-08	1.04E-08	1.42E-08	5.30E-09	2.84E-08	1.04E-08
5281	481863.1	3865877	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	0.00E+00	0.00E+00	1.01E-08	1.82E-09	1.16E-08	1.78E-09	1.70E-09	2.70E-08	2.87E-08	1.05E-08	1.43E-08	5.35E-09	2.87E-08	1.05E-08
5282	482363.1	3865877	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.17E-08	1.81E-09	1.72E-09	2.73E-08	2.91E-08	1.07E-08	1.45E-08	5.42E-09	2.91E-08	1.07E-08
5283	482863.1	3865877	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	0.00E+00	0.00E+00	1.04E-08	1.87E-09	1.19E-08	1.83E-09	1.74E-09	2.77E-08	2.95E-08	1.08E-08	1.47E-08	5.50E-09	2.95E-08	1.08E-08
5284	483363.1	3865877	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	0.00E+00	0.00E+00	1.06E-08	1.90E-09	1.21E-08	1.86E-09	1.77E-09	2.82E-08	3.00E-08	1.10E-08	1.50E-08	5.59E-09	3.00E-08	1.10E-08
5285	483863.1	3865877	9.63E-05	9.39E-05	9.27E-05	3.33E-08	1.01E-07	5.82E-08	5.68E-08	5.15E-08	2.35E-08	2.32E-08	0.00E+00	0.00E+00	1.07E-08	1.93E-09	1.22E-08	1.89E-09	1.80E-09	2.86E-08	3.04E-08	1.11E-08	1.52E-08	5.67E-09	3.04E-08	1.11E-08
5286	484363.1	3865877	9.79E-05	9.55E-05	9.43E-05	3.39E-08	1.02E-07	5.92E-08	5.78E-08	5.24E-08	2.39E-08	2.36E-08	0.00E+00	0.00E+00	1.09E-08	1.96E-09	1.25E-08	1.92E-09	1.83E-09	2.91E-08	3.09E-08	1.13E-08	1.54E-08	5.76E-09	3.09E-08	1.13E-08
5287	484863.1	3865877	9.96E-05	9.72E-05	9.59E-05	3.45E-08	1.04E-07	6.02E-08	5.88E-08	5.33E-08	2.43E-08	2.40E-08	0.00E+00	0.00E+00	1.11E-08	2.00E-09	1.27E-08	1.95E-09	1.86E-09	2.96E-08	3.14E-08	1.15E-08	1.57E-08	5.86E-09	3.14E-08	1.15E-08
5288	485363.1	3865877	1.01E-04	9.84E-05	9.71E-05	3.49E-08	1.05E-07	6.10E-08	5.95E-08	5.40E-08	2.46E-08	2.43E-08	0.00E+00	0.00E+00	1.12E-08	2.02E-09	1.28E-08	1.98E-09	1.88E-09	2.99E-08	3.18E-08	1.17E-08	1.59E-08	5.93E-09	3.18E-08	1.17E-08
5289	485863.1	3865877	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	0.00E+00	0.00E+00	1.14E-08	2.05E-09	1.30E-08	2.00E-09	1.90E-09	3.03E-08	3.22E-08	1.18E-08	1.61E-08	6.01E-09	3.22E-08	1.18E-08
5290	486363.1	3865877	1.03E-04	1.00E-04	9.91E-05	3.56E-08	1.08E-07	6.23E-08	6.07E-08	5.51E-08	2.51E-08	2.48E-08	0.00E+00	0.00E+00	1.15E-08	2.06E-09	1.31E-08	2.02E-09	1.92E-09	3.05E-08	3.25E-08	1.19E-08	1.62E-08	6.06E-09	3.25E-08	1.19E-08
5291	486863.1	3865877	1.04E-04	1.02E-04	1.00E-04	3.60E-08	1.09E-07	6.30E-08	6.15E-08	5.57E-08	2.54E-08	2.51E-08	0.00E+00	0.00E+00	1.16E-08	2.09E-09	1.32E-08	2.04E-09	1.94E-09	3.09E-08	3.29E-08	1.21E-08	1.64E-08	6.13E-09	3.29E-08	1.21E-08
5292	487363.1	3865877	1.06E-04	1.03E-04	1.02E-04	3.66E-08	1.11E-07	6.40E-08	6.25E-08	5.66E-08	2.58E-08	2.55E-08	0.00E+00	0.00E+00	1.18E-08	2.12E-09	1.35E-08	2.07E-09	1.97E-09	3.14E-08	3.34E-08	1.22E-08	1.67E-08	6.23E-09	3.34E-08	1.22E-08
5293	487863.1	3865877	1.08E-04	1.06E-04	1.04E-04	3.75E-08	1.13E-07	6.55E-08	6.39E-08	5.80E-08	2.64E-08	2.61E-08	0.00E+00	0.00E+00	1.21E-08	2.17E-09	1.38E-08	2.12E-09	2.02E-09	3.21E-08	3.42E-08	1.25E-08	1.71E-08	6.37E-09	3.42E-08	1.25E-08
5294	488363.1	3865877	1.11E-04	1.08E-04	1.07E-04	3.83E-08	1.16E-07	6.70E-08	6.54E-08	5.93E-08	2.71E-08	2.67E-08	0.00E+00	0.00E+00	1.23E-08	2.22E-09	1.41E-08	2.17E-09	2.07E-09	3.29E-08	3.50E-08	1.28E-08	1.75E-08	6.52E-09	3.50E-08	1.28E-08
5295	488863.1	3865877	1.13E-04	1.11E-04	1.09E-04	3.92E-08	1.18E-07	6.85E-08	6.69E-08	6.06E-08	2.77E-08	2.73E-08	0.00E+00	0.00E+00	1.26E-08	2.27E-09	1.44E-08	2.22E-09	2.11E-09	3.36E-08	3.57E-08	1.31E-08	1.78E-08	6.67E-09	3.57E-08	1.31E-08
5296	489363.1	3865877	1.15E-04	1.13E-04	1.11E-04	3.99E-08	1.21E-07	6.98E-08	6.81E-08	6.17E-08	2.82E-08	2.78E-08	0.00E+00	0.00E+00	1.28E-08	2.31E-09	1.47E-08	2.26E-09	2.15E-09	3.42E-08	3.64E-08	1.34E-08	1.82E-08	6.79E-09	3.64E-08	1.34E-08
5297	489863.1	3865877	1.16E-04	1.13E-04	1.12E-04	4.02E-08	1.21E-07	7.03E-08	6.86E-08	6.22E-08	2.84E-08	2.80E-08	0.00E+00	0.00E+00	1.29E-08	2.33E-09	1.48E-08	2.28E-09	2.17E-09	3.45E-08	3.67E-08	1.34E-08	1.83E-08	6.84E-09	3.67E-08	1.34E-08
5298	490363.1	3865877	1.12E-04	1.09E-04	1.08E-04	3.88E-08	1.17E-07	6.78E-08	6.61E-08	6.00E-08	2.74E-08	2.70E-08	0.00E+00	0.00E+00	1.25E-08	2.24E-09	1.42E-08	2.20E-09	2.09E-09	3.32E-08	3.54E-08	1.30E-08	1.76E-08	6.59E-09	3.54E-08	1.30E-08
5299	490863.1	3865877	1.04E-04	1.02E-04	1.00E-04	3.60E-08	1.09E-07	6.30E-08	6.15E-08	5.57E-08	2.54E-08	2.51E-08	0.00E+00	0.00E+00	1.16E-08	2.09E-09	1.32E-08	2.04E-09	1.94E-09	3.09E-08	3.29E-08	1.21E-08	1.64E-08	6.13E-09	3.29E-08	1.21E-08
5300	491363.1	3865877	9.71E-05	9.47E-05	9.35E-05	3.36E-08	1.01E-07	5.87E-08	5.73E-08	5.20E-08	2.37E-08	2.34E-08	0.00E+00	0.00E+00	1.08E-08	1.95E-09	1.23E-08	1.90E-09	1.81E-09	2.88E-08	3.06E-08	1.12E-08	1.53E-08	5.72E-09	3.06E-08	1.12E-08
5301	491863.1	3865877	9.75E-05	9.51E-05	9.39E-05	3.37E-08	1.02E-07	5.90E-08	5.76E-08	5.22E-08	2.38E-08	2.35E-08	0.00E+00	0.00E+00	1.09E-08	1.95E-09	1.24E-08	1.91E-09	1.82E-09	2.89E-08	3.08E-08	1.13E-08	1.54E-08	5.74E-09	3.08E-08	1.13E-08
5302	492363.1	3865877	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	0.00E+00	0.00E+00	1.04E-08	1.87E-09	1.19E-08	1.83E-09	1.74E-09	2.77E-08	2.95E-08	1.08E-08	1.47E-08	5.50E-09	2.95E-08	1.08E-08
5303	492863.1	3865877	7.84E-05	7.65E-05	7.55E-05	2.71E-08	8.20E-08	4.74E-08	4.63E-08	4.20E-08	1.91E-08	1.89E-08	0.00E+00	0.00E+00	8.73E-09	1.57E-09	9.97E-09	1.54E-09	1.46E-09	2.33E-08	2.47E-08	9.08E-09	1.24E-08	4.62E-09	2.47E-08	9.08E-09
5304	493363.1	3865877	7.55E-05	7.37E-05	7.27E-05	2.61E-08	7.89E-08	4.57E-08	4.46E-08	4.04E-08	1.84E-08	1.82E-08	0.00E+00	0.00E+00	8.41E-09	1.51E-09	9.60E-09	1.48E-09	1.41E-09	2.24E-08	2.38E-08	8.74E-09	1.19E-08	4.45E-09	2.38E-08	8.74E-09
5305	493863.1	3865877	7.88E-05	7.69E-05	7.59E-05	2.73E-08	8.24E-08	4.77E-08	4.65E-08	4.22E-08	1.93E-08	1.90E-08	0.00E+00	0.00E+00	8.77E-09	1.58E-09	1.00E-08	1.55E-09	1.47E-09	2.34E-08	2.49E-08	9.12E-09	1.24E-08	4.64E-09	2.49E-08	9.12E-09
5306	494363.1	3865877	8.42E-05	8.22E-05	8.11E-05	2.92E-08	8.80E-08	5.10E-08	4.97E-08	4.51E-08	2.06E-08	2.03E-08	0.00E+00	0.00E+00	9.37E-09	1.69E-09	1.07E-08	1.65E-09	1.57E-09	2.50E-08	2.66E-08	9.75E-09	1.33E-08	4.96E-09	2.66E-08	9.75E-09

5307	494863.1	3865877	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	0.00E+00	0.00E+00	1.05E-08	1.89E-09	1.20E-08	1.85E-09	1.76E-09	2.80E-08	2.97E-08	1.09E-08	1.48E-08	5.54E-09	2.97E-08	1.09E-08
5308	495363.1	3865877	9.54E-05	9.31E-05	9.19E-05	3.30E-08	9.97E-08	5.77E-08	5.63E-08	5.11E-08	2.33E-08	2.30E-08	0.00E+00	0.00E+00	1.06E-08	1.91E-09	1.21E-08	1.87E-09	1.78E-09	2.83E-08	3.01E-08	1.10E-08	1.50E-08	5.62E-09	3.01E-08	1.10E-08
5309	495863.1	3865877	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	0.00E+00	0.00E+00	1.06E-08	1.90E-09	1.21E-08	1.86E-09	1.77E-09	2.82E-08	3.00E-08	1.10E-08	1.50E-08	5.59E-09	3.00E-08	1.10E-08
5310	496363.1	3865877	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.18E-08	1.81E-09	1.73E-09	2.75E-08	2.92E-08	1.07E-08	1.46E-08	5.45E-09	2.92E-08	1.07E-08
5311	496863.1	3865877	8.96E-05	8.74E-05	8.63E-05	3.10E-08	9.37E-08	5.42E-08	5.29E-08	4.80E-08	2.19E-08	2.16E-08	0.00E+00	0.00E+00	9.98E-09	1.80E-09	1.14E-08	1.76E-09	1.67E-09	2.66E-08	2.83E-08	1.04E-08	1.41E-08	5.28E-09	2.83E-08	1.04E-08
5312	497363.1	3865877	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.17E-08	1.81E-09	1.72E-09	2.73E-08	2.91E-08	1.07E-08	1.45E-08	5.42E-09	2.91E-08	1.07E-08
5313	497863.1	3865877	9.54E-05	9.31E-05	9.19E-05	3.30E-08	9.97E-08	5.77E-08	5.63E-08	5.11E-08	2.33E-08	2.30E-08	0.00E+00	0.00E+00	1.06E-08	1.91E-09	1.21E-08	1.87E-09	1.78E-09	2.83E-08	3.01E-08	1.10E-08	1.50E-08	5.62E-09	3.01E-08	1.10E-08
5314	498363.1	3865877	8.80E-05	8.58E-05	8.47E-05	3.04E-08	9.19E-08	5.32E-08	5.19E-08	4.71E-08	2.15E-08	2.12E-08	0.00E+00	0.00E+00	9.79E-09	1.76E-09	1.12E-08	1.72E-09	1.64E-09	2.61E-08	2.78E-08	1.02E-08	1.39E-08	5.18E-09	2.78E-08	1.02E-08
5315	471363.1	3866377	6.60E-05	6.44E-05	6.35E-05	2.28E-08	6.89E-08	3.99E-08	3.89E-08	3.53E-08	1.61E-08	1.59E-08	0.00E+00	0.00E+00	7.34E-09	1.32E-09	8.39E-09	1.29E-09	1.23E-09	1.96E-08	2.08E-08	7.64E-09	1.04E-08	3.88E-09	2.08E-08	7.64E-09
5316	471863.1	3866377	6.68E-05	6.52E-05	6.43E-05	2.31E-08	6.98E-08	4.04E-08	3.94E-08	3.58E-08	1.63E-08	1.61E-08	0.00E+00	0.00E+00	7.44E-09	1.34E-09	8.49E-09	1.31E-09	1.25E-09	1.98E-08	2.11E-08	7.73E-09	1.05E-08	3.93E-09	2.11E-08	7.73E-09
5317	472363.1	3866377	6.80E-05	6.64E-05	6.55E-05	2.36E-08	7.11E-08	4.12E-08	4.02E-08	3.64E-08	1.66E-08	1.64E-08	0.00E+00	0.00E+00	7.57E-09	1.36E-09	8.65E-09	1.33E-09	1.27E-09	2.02E-08	2.15E-08	7.88E-09	1.07E-08	4.01E-09	2.15E-08	7.88E-09
5318	472863.1	3866377	6.89E-05	6.72E-05	6.63E-05	2.38E-08	7.20E-08	4.17E-08	4.07E-08	3.69E-08	1.68E-08	1.66E-08	0.00E+00	0.00E+00	7.67E-09	1.38E-09	8.76E-09	1.35E-09	1.29E-09	2.04E-08	2.17E-08	7.97E-09	1.08E-08	4.05E-09	2.17E-08	7.97E-09
5319	473363.1	3866377	6.97E-05	6.80E-05	6.71E-05	2.41E-08	7.29E-08	4.22E-08	4.12E-08	3.73E-08	1.70E-08	1.68E-08	0.00E+00	0.00E+00	7.76E-09	1.40E-09	8.86E-09	1.37E-09	1.30E-09	2.07E-08	2.20E-08	8.07E-09	1.10E-08	4.10E-09	2.20E-08	8.07E-09
5320	473863.1	3866377	7.09E-05	6.92E-05	6.83E-05	2.46E-08	7.42E-08	4.29E-08	4.19E-08	3.80E-08	1.73E-08	1.71E-08	0.00E+00	0.00E+00	7.90E-09	1.42E-09	9.02E-09	1.39E-09	1.32E-09	2.11E-08	2.24E-08	8.21E-09	1.12E-08	4.18E-09	2.24E-08	8.21E-09
5321	474363.1	3866377	7.22E-05	7.04E-05	6.95E-05	2.50E-08	7.55E-08	4.37E-08	4.26E-08	3.86E-08	1.76E-08	1.74E-08	0.00E+00	0.00E+00	8.04E-09	1.45E-09	9.18E-09	1.42E-09	1.35E-09	2.14E-08	2.28E-08	8.36E-09	1.14E-08	4.25E-09	2.28E-08	8.36E-09
5322	474863.1	3866377	7.30E-05	7.13E-05	7.03E-05	2.53E-08	7.63E-08	4.42E-08	4.31E-08	3.91E-08	1.78E-08	1.76E-08	0.00E+00	0.00E+00	8.13E-09	1.46E-09	9.29E-09	1.43E-09	1.36E-09	2.17E-08	2.30E-08	8.45E-09	1.15E-08	4.30E-09	2.30E-08	8.45E-09
5323	475363.1	3866377	7.38E-05	7.21E-05	7.11E-05	2.56E-08	7.72E-08	4.47E-08	4.36E-08	3.95E-08	1.80E-08	1.78E-08	0.00E+00	0.00E+00	8.22E-09	1.48E-09	9.39E-09	1.45E-09	1.38E-09	2.19E-08	2.33E-08	8.55E-09	1.16E-08	4.35E-09	2.33E-08	8.55E-09
5324	475863.1	3866377	7.47E-05	7.29E-05	7.19E-05	2.59E-08	7.81E-08	4.52E-08	4.41E-08	4.00E-08	1.82E-08	1.80E-08	0.00E+00	0.00E+00	8.31E-09	1.50E-09	9.50E-09	1.46E-09	1.39E-09	2.22E-08	2.36E-08	8.64E-09	1.18E-08	4.40E-09	2.36E-08	8.64E-09
5325	476363.1	3866377	7.55E-05	7.37E-05	7.27E-05	2.61E-08	7.89E-08	4.57E-08	4.46E-08	4.04E-08	1.84E-08	1.82E-08	0.00E+00	0.00E+00	8.41E-09	1.51E-09	9.60E-09	1.48E-09	1.41E-09	2.24E-08	2.38E-08	8.74E-09	1.19E-08	4.45E-09	2.38E-08	8.74E-09
5326	476863.1	3866377	7.22E-05	7.04E-05	6.95E-05	2.50E-08	7.55E-08	4.37E-08	4.26E-08	3.86E-08	1.76E-08	1.74E-08	0.00E+00	0.00E+00	8.04E-09	1.45E-09	9.18E-09	1.42E-09	1.35E-09	2.14E-08	2.28E-08	8.36E-09	1.14E-08	4.25E-09	2.28E-08	8.36E-09
5327	477363.1	3866377	7.59E-05	7.41E-05	7.31E-05	2.63E-08	7.94E-08	4.59E-08	4.48E-08	4.06E-08	1.85E-08	1.83E-08	0.00E+00	0.00E+00	8.45E-09	1.52E-09	9.66E-09	1.49E-09	1.42E-09	2.25E-08	2.40E-08	8.79E-09	1.20E-08	4.47E-09	2.40E-08	8.79E-09
5328	477863.1	3866377	7.84E-05	7.65E-05	7.55E-05	2.71E-08	8.20E-08	4.74E-08	4.63E-08	4.20E-08	1.91E-08	1.89E-08	0.00E+00	0.00E+00	8.73E-09	1.57E-09	9.97E-09	1.54E-09	1.46E-09	2.33E-08	2.47E-08	9.08E-09	1.24E-08	4.62E-09	2.47E-08	9.08E-09
5329	478363.1	3866377	7.88E-05	7.69E-05	7.59E-05	2.73E-08	8.24E-08	4.77E-08	4.65E-08	4.22E-08	1.93E-08	1.90E-08	0.00E+00	0.00E+00	8.77E-09	1.58E-09	1.00E-08	1.55E-09	1.47E-09	2.34E-08	2.49E-08	9.12E-09	1.24E-08	4.64E-09	2.49E-08	9.12E-09
5330	478863.1	3866377	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	0.00E+00	0.00E+00	8.87E-09	1.60E-09	1.01E-08	1.56E-09	1.49E-09	2.36E-08	2.51E-08	9.22E-09	1.25E-08	4.69E-09	2.51E-08	9.22E-09
5331	479363.1	3866377	8.05E-05	7.85E-05	7.75E-05	2.79E-08	8.41E-08	4.87E-08	4.75E-08	4.31E-08	1.97E-08	1.94E-08	0.00E+00	0.00E+00	8.96E-09	1.61E-09	1.02E-08	1.58E-09	1.50E-09	2.39E-08	2.54E-08	9.32E-09	1.27E-08	4.74E-09	2.54E-08	9.32E-09
5332	479863.1	3866377	8.13E-05	7.93E-05	7.83E-05	2.81E-08	8.50E-08	4.92E-08	4.80E-08	4.35E-08	1.99E-08	1.96E-08	0.00E+00	0.00E+00	9.05E-09	1.63E-09	1.03E-08	1.59E-09	1.52E-09	2.41E-08	2.57E-08	9.41E-09	1.28E-08	4.79E-09	2.57E-08	9.41E-09
5333	480363.1	3866377	8.21E-05	8.02E-05	7.91E-05	2.84E-08	8.59E-08	4.97E-08	4.85E-08	4.40E-08	2.01E-08	1.98E-08	0.00E+00	0.00E+00	9.14E-09	1.65E-09	1.04E-08	1.61E-09	1.53E-09	2.44E-08	2.59E-08	9.51E-09	1.29E-08	4.84E-09	2.59E-08	9.51E-09
5334	480863.1	3866377	8.34E-05	8.14E-05	8.03E-05	2.89E-08	8.72E-08	5.05E-08	4.92E-08	4.46E-08	2.04E-08	2.01E-08	0.00E+00	0.00E+00	9.28E-09	1.67E-09	1.06E-08	1.64E-09	1.56E-09	2.47E-08	2.63E-08	9.65E-09	1.31E-08	4.91E-09	2.63E-08	9.65E-09
5335	481363.1	3866377	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	0.00E+00	0.00E+00	9.47E-09	1.70E-09	1.08E-08	1.67E-09	1.59E-09	2.52E-08	2.68E-08	9.85E-09	1.34E-08	5.01E-09	2.68E-08	9.85E-09
5336	481863.1	3866377	8.59E-05	8.38E-05	8.27E-05	2.97E-08	8.98E-08	5.20E-08	5.07E-08	4.60E-08	2.10E-08	2.07E-08	0.00E+00	0.00E+00	9.56E-09	1.72E-09	1.09E-08	1.68E-09	1.60E-09	2.55E-08	2.71E-08	9.94E-09	1.35E-08	5.06E-09	2.71E-08	9.94E-09
5337	482363.1	3866377	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	0.00E+00	0.00E+00	9.65E-09	1.74E-09	1.10E-08	1.70E-09	1.62E-09	2.57E-08	2.74E-08	1.00E-08	1.37E-08	5.10E-09	2.74E-08	1.00E-08
5338	482863.1	3866377	8.80E-05	8.58E-05	8.47E-05	3.04E-08	9.19E-08	5.32E-08	5.19E-08	4.71E-08	2.15E-08	2.12E-08	0.00E+00	0.00E+00	9.79E-09	1.76E-09	1.12E-08	1.72E-09	1.64E-09	2.61E-08	2.78E-08	1.02E-08	1.39E-08	5.18E-09	2.78E-08	1.02E-08
5339	483363.1	3866377	8.88E-05	8.66E-05	8.55E-05	3.07E-08	9.28E-08	5.37E-08	5.24E-08	4.75E-08	2.17E-08	2.14E-08	0.00E+00	0.00E+00	9.88E-09	1.78E-09	1.13E-08	1.74E-09	1.66E-09	2.64E-08	2.80E-08	1.03E-08	1.40E-08	5.23E-09	2.80E-08	1.03E-08
5340	483863.1	3866377	9.04E-05	8.83E-05	8.71E-05	3.13E-08	9.45E-08	5.47E-08	5.34E-08	4.84E-08	2.21E-08	2.18E-08	0.00E+00	0.00E+00	1.01E-08	1.81E-09	1.15E-08	1.77E-09	1.69E-09	2.68E-08	2.85E-08	1.05E-08	1.42E-08	5.32E-09	2.85E-08	1.05E-08
5341	484363.1	3866377	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	0.00E+00	0.00E+00	1.01E-08	1.82E-09	1.16E-08	1.78E-09	1.70E-09	2.70E-08	2.87E-08	1.05E-08	1.43E-08	5.35E-09	2.87E-08	1.05E-08
5342	484863.1	3866377	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	0.00E+00	0.00E+00	1.03E-08	1.85E-09	1.17E-08	1.81E-09	1.72E-09	2.73E-08	2.91E-08	1.07E-08	1.45E-08	5.42E-09	2.91E-08	1.07E-08
5343	485363.1	3866377	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	0.00E+00	0.00E+00	1.04E-08	1.87E-09	1.19E-08	1.83E-09	1.74E-09	2.77E-08	2.95E-08	1.08E-08	1.47E-08	5.50E-09	2.95E-08	1.08E-08
5344	485863.1	3866377	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	0.00E+00	0.00E+00	1.06E-08	1.90E-09	1.21E-08	1.86E-09	1.77E-09	2.82E-08	3.00E-08	1.10E-08	1.50E-08	5.59E-09	3.00E-08	1.10E-08
5345	486363.1	3866377	9.67E-05	9.43E-05	9.31E-05	3.35E-08	1.01E-07	5.85E-08	5.71E-08	5.17E-08	2.36E-08	2.33E-08	0.00E+00	0.00E+00	1.08E-08	1.94E-09	1.23E-08	1.90E-09	1.80E-09	2.87E-08	3.05E-08	1.12E-08	1.52E-08	5.69E-09	3.05E-08	1.12E-08
5346	486863.1	3866377	9.83E-05	9.59E-05	9.47E-05	3.40E-08	1.03E-07	5.95E-08	5.81E-08	5.26E-08	2.40E-08	2.37E-08	0.00E+00	0.00E+00	1.09E-08	1.97E-09	1.25E-08	1.93E-09	1.83E-09	2.92E-08	3.10E-08	1.14E-08	1.55E-08	5.79E-09	3.10E-08	1.14E-08
5347	487363.1	3866377	1.00E-04	9.76E-05	9.63E-05	3.46E-08	1.05E-07	6.05E-08	5.90E-08	5.35E-08	2.44E-08	2.41E-08	0.00E+00	0.00E+00	1.11E-08	2.00E-09	1.27E-08	1.96E-09	1.87E-09	2.97E-08	3.16E-08	1.16E-08	1.58E-08	5.89E-09	3.16E-08	1.16E-08
5348	487863.1	3866377	1.00E-04	9.76E-05	9.63E-05	3.46E-08	1.05E-07	6.05E-08	5.90E-08	5.35E-08	2.44E-08	2.41E-08	0.00E+00	0.00E+00	1.11E-08	2.00E-09	1.27E-08	1.96E-09	1.87E-09	2.97E-08	3.16E-08	1.16E-08	1.58E-08	5.89E-09	3.16E-08	1.16E-08
5349	488363.1	3866377	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	0.00E+00	0.00E+00	1.13E-08	2.04E-09	1.29E-08	1.99E-09	1.90E-09	3.02E-08	3.21E-08	1.18E-08	1.60E-08	5.98E-09	3.21E-08	1.18E-08
5350	488863.1	3866377	9.83E-05	9.59E-05	9.47E-05	3.40E-08	1.03E-07	5.95E-08	5.81E-08	5.26E-08	2.40E-08	2.37E-08	0.00E+00	0.00E+00	1.09E-08	1.97E-09	1.25E-08	1.93E-09	1.83E-09	2.92E-08	3.10E-08	1.14E-08	1.55E-08	5.79E-09	3.10E-08	1.14E-08
5351	489363.1	3866377	9.58E-05	9.35E-05	9.23E-05	3.32E-08	1.00E-07	5.80E-08	5.66E-08	5.13E-08	2.34E-08	2.31E-08	0.00E+00	0.00E+00	1.07E-08	1.92E-09	1.22E-08	1.88E-09	1.79E-09	2.84E-08	3.02E-08	1.11E-08	1.51E-08	5.64E-09	3.02E-08	1.11E-08
5352	489863.1	3866377	9.13E-05	8.91E-05	8.79E-05	3.16E-08	9.54E-08	5.52E-08	5.39E-08	4.89E-08	2.23E-08	2.20E-08	0.00E+00	0.00E+00	1.02E-08	1.83E-09	1.16E-08	1.79E-09	1.70E-09	2.71E-08	2.88E-08	1.06E-08	1.44E-08	5.37E-09	2.88E-08	1.06E-08
5353	490363.1	3866377	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	0.00E+00	0.00E+00	1.14E-08	2.05E-09	1.30E-08	2.00E-09	1.90E-09	3.03E-08	3.22E-08	1.18E-08	1.61E-08	6.01E-09	3.22E-08	1.18E-08
5354	490863.1	3866377	1.05E-04	1.02E-04	1.01E-04	3.62E-08	1.09E-07	6.33E-08	6.17E-08	5.60E-08	2.55E-08	2.52E-08	0.00E+00	0.00E+00	1.16E-08	2.10E-09	1.33E-08	2.05E-09	1.95E-09	3.10E-08	3.30E-08	1.21E-08	1.65E-08	6.15E-09	3.30E-08	1.21E-08
5355	491363.1	3866377	1.00E-04	9.76E-05	9.63E-05	3.46E-08	1.05E-07	6.05E-08	5.90E-08	5.35E-08	2.44E-08	2.41E-08	0.00E+00	0.00E+00	1.11E-08	2.00E-09	1.27E-08	1.96E-09	1.87E-09	2.97E-08	3.16E-08	1.16E-08	1.58E-08	5.89E-09	3.16E-08	1.16E-08
5356	491863.1	3866377	8.38E-05	8.18E-05	8.07E-05	2.90E-08	8.76E-08	5.07E-08	4.95E-08	4.49E-08	2.05E-08	2.02E-08	0.00E+00	0.00E+00	9.33E-09	1.68E-09	1.07E-08	1.64E-09	1.56E-09	2.49E-08	2.65E-08	9.70E-09	1.32E-08	4.93E-09	2.65E-08	9.70E-09
5357	492363.1	3866377	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	0.00E+00	0.00E+00	9.47E-09	1.70E-09	1.08E-08	1.67E-09	1.59E-09	2.52E-08	2.68E-08	9.85E-09	1.34E-08	5.01E-09	2.68E-08	9.85E-09
5358	492863.1	3866377	7.88E-05	7.69E-05	7.59E-05	2.73E-08	8.24E-08	4.77E-08	4.65E-08	4.22E-08	1.93E-08	1.90E-08	0.00E+00	0.00E+00	8.77E-09	1.58E-09	1.00E-08	1.55E-09	1.47E-09	2.34E-08	2.49E-08	9.12E-09	1.24E-08	4.64E-09	2.49E-08	9.12E-09
5359	493363.1	3866377	7.84E-05	7.65E-05	7.55E-05	2.71E-08	8.20E-08	4.74E-08	4.63E-08	4.20E-08	1.91E-08	1.89E-08	0.00E+00	0.00E+00	8.73E-09	1.57E-09	9.97E-09	1.54E-09	1.46E-09	2.33E-08	2.47E-08	9.08E-09	1.24E-08	4.62E-09	2.47E-08	9.08E-09
5360	493863.1	3866377	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	0.00E+00	0.00E+00	8.87E-09	1.60E-09	1.01E-08	1.56E-09	1.49E-09	2.36E-08	2.51E-08	9.22E-09	1.25E-08	4.69E-09	2.51E-08	9.22E-09
5361	494363.1	3866377	8.42E-05	8.22E-05	8.11E-05	2.92E-08	8.80E-08	5.10E-08	4.97E-08	4.51E-08	2.06E-08	2.03E-08	0.00E+00	0.00E+00	9.37E-09	1.69E-09	1.07E-08	1.65E-09	1.57E-09	2.50E-08	2.66E-08	9.75E-09	1.33E-08	4.96E-09	2.66E-08	9.75E-09
5362	494863.1	3866377	8.30E-05	8.10E-05	7.99E-05	2.87E-08	8.67E-08	5.02E-08	4.90E-08	4.44E-08	2.03E-08	2.00E-08	0.00E+00	0.00E+00	9.24E-09	1.66E-09	1.06E-08	1.63E-09	1.55E-09	2.46E-08	2.62E-08	9.61E-09	1.31E-08	4.88E-09	2.62E-08	9.61E-09
5363	495363.1	3866377	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	0.00E+00	0.00E+00	8.87E-09	1.60E-09	1.01E-08	1.56E-09	1.49E-09	2.36E-08	2.51E-08	9.22E-09	1.25E-08	4.69E-09	2.51E-08	9.22E-09
5364	495863.1	3866377	7.80E-05	7.61E-05	7.51E-05	2.70E-08	8.15E-08	4.72E-08	4.61E-08	4.17E-08	1.90E-08	1.88E-08	0.00E+00	0.00E+00	8.68E-09	1.56E-09	9.92E-09	1.53E-09	1.46E-09	2.31E-08	2.46E-08	9.03E-09	1.23E-08	4.59E-09	2.46E-08	9.03E-09
5365	496363.1	3866377	7.80E-05	7.61E-05	7.51E-05	2.70E-08	8.15E-08	4.72E-08	4.61E-08	4.17E-08	1.90E-08	1.88E-08	0.00E+00	0.00E+00	8.68E-09	1.56E-09	9.92E-09	1.53E-09	1.46E-09	2.31E-08	2.46E-08	9.03E-09	1.23E-08	4.59E-09	2.46E-08	9.03E-09
5366	496863.1	3866377	7.72E-05	7.53E-05	7.43E-05	2.67E-08	8.07E-08	4.67E-08	4.56E-08	4.13E-08	1.88E-08	1.86E-08	0.00E+00	0.00E+00	8.59E-09	1.55E-09	9.81E-09	1.51E-09	1.44E-09	2.29E-08	2.44E-08	8.93E-09	1.22E-08	4.54E-09	2.44E-08	8.93E-09
5367	497363.1	3866377	7.88E-05	7.69E-05	7.59E-05	2.73E-08	8.24E-08	4.77E-08	4.65E-08	4.22E-08	1.93E-08	1.90E-08	0.00E+00	0.00E+00	8.77E-09	1.58E-09	1.00E-08	1.55E-09	1.47E-09	2.34E-08	2.49E-08	9.12E-09	1.24E-08	4.64E-09	2.49E-08	9.12E-09
5368	497863.1	3866377	8.01E-05	7.81E-05	7.71E-05	2.77E-08	8.37E-08	4.84E-08	4.73E-08	4.29E-08	1.96E-08	1.93E-08	0.00E+00	0.00E+00	8.91E-09	1.60E-09	1.02E-08	1.57E-09	1.49E-09	2.38E-08	2.53E-08	9.27E-09	1.26E-08	4.71E-09	2.53E-08	9.27E-09
5369	498363.1	3866377	7.30E-05	7.13E-05	7.03E-05	2.53E-08	7.63E-08	4.42E-08	4.31E-08	3.91E-08	1.78E-08	1.76E-08	0.00E+00	0.00E+00	8.13E-09	1.46E-09	9.29E-09	1.43E-09	1.36E-09	2.17E-08	2.30E-08	8.45E-09	1.15E-08	4.30E-09	2.30E-08	8.45E-09
5370	474494.9	3848334	2.85E-02	2.78E-02	2.75E-02	9.87E-06	2.98E-05	1.73E-05	1.68E-05	1.53E-05	6.97E-06	6.87E-06	0.00E+00	0.00E+00	3.18E-06	5.72E-07	3.63E-06	5.59E-07	5.32E-07	8.47E-06	9.00E-06	3.30E-06	4.49E-06	1.68E-06	9.00E-06	3.30E-06
5371	475167.3	3848921	3.37E-02	3.29E-02	3.24E-02	1.17E-05	3.52E-05	2.04E-05	1.99E-05	1.80E-05	8.23E-06	8.12E-06	0.00E+00	0.00E+00	3.75E-06	6.75E-07	4.28E-06	6.61E-07	6.29E-07	1.00E-05	1.06E-05	3.90E-06	5.31E-06	1.98E-06	1.06E-05	3.90E-06
5372	475297.9	3848998	2.62E-02	2.56E-02	2.52E-02	9.07E-06	2.74E-05	1.59E-05	1.55E-05	1.40E-05	6.40E-06	6.32E-06	0.00E+00	0.00E+00	2.92E-06	5.25E-07	3.33E-06	5.14E-07	4.89E-07	7.78E-06	8.27E-06	3.03E-06	4.13E-06	1.54E-06	8.27E-06	3.03E-06
5373	475439.1	3849062	3.05E-02	2.97E-02	2.93E-02	1.05E-05	3.18E-05	1.84E-05	1.80E-05	1.63E-05	7.44E-06	7.34E-06	0.00E+00	0.00E+00	3.39E-06	6.11E-07	3.87E-06	5.98E-07	5.69E-07	9.04E-06	9.62E-06	3.53E-06	4.80E-06	1.79E-06	9.62E-06	3.53E-06
5374	475486.9	3849061	2.25E-02	2.19E-02	2.16E-02	7.78E-06	2.35E-05	1.36E-05	1.33E-05	1.20E-05	5.49E-06	5.42E-06	0.00E+00	0.00E+00	2.50E-06	4.50E-07	2.86E-06	4.41E-07	4.19E-07	6.67E-06	7.09E-06	2.60E-06	3.54E-06	1.32E-06	7.09E-06	2.60E-06
5375	475538.5	3849076	2.28E-02	2.23E-02	2.20E-02	7.89E-06	2.38E-05	1.38E-05	1.35E-05	1.22E-05	5.57E-06	5.50E-06	0.00E+00	0.00E+00	2.54E-06	4.57E-07	2.90E-06	4.47E-07	4.26E-07	6.77E-06	7.20E-06	2.64E-06	3.59E-06	1.34E-06	7.20E-06	2.64E-06
5376	475751.8	3849137	3.36E-02	3.28E-02	3.23E-02	1.16E-05	3.51E-05	2.03E-05	1.98E-05	1.80E-05	8.20E-06	8.09E-06	0.00E+00	0.00E+00	3.74E-06	6.73E-07	4.27E-06	6.59E-07	6.27E-07	9.97E-06	1.06E-05	3.89E-06	5.29E-06	1.98E-06	1.06E-05	3.89E-06
5377	476303.6	3849223	3.05E-02	2.97E-02	2.93E-02	1.05E-05	3.18E-05	1.84E-05	1.80E-05	1.63E-05	7.44E-06	7.34E-06	0.00E+00	0.00E+00	3.39E-06	6.10E-07	3.87E-06	5.97E-07	5.68E-07	9.04E-06	9.61E-06	3.53E-06	4.80E-06	1.79E-06	9.61E-06	3.53E-06
5378	476304.5	3849239	4.23E-02	4.13E-02	4.07E-02	1.46E-05	4.42E-05	2.56E-05	2.50E-05	2.26E-05	1.03E-05	1.02E-05	0.00E+00	0.00E+00	4.71E-06	8.47E-07	5.38E-06	8.29E-07	7.89E-07	1.25E-05	1.33E-05	4.89E-06	6.66E-06	2.49E-06	1.33E-05	4.89E-06
5379	476365	3849248	3.78E-02	3.69E-02	3.64E-02	1.31E-05	3.95E-05	2.29E-05	2.23E-05	2.02E-05	9.23E-06	9.10E-06	0.00E+00	0.00E+00	4.21E-06	7.57E-07	4.80E-06	7.41E-07	7.05E-07	1.12E-05	1.19E-05	4.37E-06	5.95E-06	2.22E-06	1.19E-05	4.37E-06
5380	476444.9	3849267	3.80E-02	3.71E-02	3.66E-02	1.32E-05	3.97E-05	2.30E-05	2.24E-05	2.03E-05	9.28E-06	9.16E-06	0.00E+00	0.00E+00	4.23E-06	7.61E-07	4.83E-06	7.45E-07	7.09E-07	1.13E-05	1.20E-05	4.40E-06	5.99E-06	2.24E-06	1.20E-05	4.40E-06
5381	476550.8	3849301	4.55E-02	4.44E-02	4.38E-02	1.57E-05	4.75E-05	2.75E-05	2.68E-05	2.43E-05	1.11E-05	1.10E-05	0.00E+00	0.00E+00	5.06E-06	9.11E-07	5.78E-06	8.91E-07	8.48E-07	1.35E-05	1.43E-05	5.26E-06	7.16E-06	2.68E-06	1.43E-05	5.26E-06
5382	476656.7	3849347	3.91E-02	3.82E-02	3.77E-02	1.35E-05	4.09E-05	2.37E-05	2.31E-05	2.09E-05	9.55E-06	9.42E-06	0.00E+00	0.00E+00	4.35E-06	7.84E-07	4.97E-06	7.67E-07	7.30E-07	1.16E-05	1.23E-05	4.53E-06	6.16E-06	2.30E-06	1.23E-05	4.53E-06
5383	476873.6	3849455	3.90E-02	3.80E-02	3.75E-02	1.35E-05	4.07E-05	2.36E-05	2.30E-05	2.09E-05	9.52E-06	9.39E-06	0.00E+00	0.00E+00	4.34E-06	7.81E-07	4.96E-06	7.64E-07	7.27E-07	1.16E-05	1.23E-05	4.51E-06	6.14E-06	2.29E-06	1.23E-05	4.51E-06

5384	477700	3849860	3.80E-02	3.71E-02	3.66E-02	1.32E-05	3.98E-05	2.30E-05	2.25E-05	2.04E-05	9.29E-06	9.17E-06	0.00E+00	0.00E+00	4.23E-06	7.62E-07	4.84E-06	7.46E-07	7.10E-07	1.13E-05	1.20E-05	4.40E-06	5.99E-06	2.24E-06	1.20E-05	4.40E-06
5385	477743.2	3849856	2.70E-02	2.63E-02	2.60E-02	9.35E-06	2.82E-05	1.63E-05	1.59E-05	1.44E-05	6.59E-06	6.51E-06	0.00E+00	0.00E+00	3.01E-06	5.41E-07	3.43E-06	5.29E-07	5.04E-07	8.01E-06	8.52E-06	3.13E-06	4.25E-06	1.59E-06	8.52E-06	3.13E-06
5386	478477.4	3850216	2.80E-02	2.73E-02	2.69E-02	9.68E-06	2.92E-05	1.69E-05	1.65E-05	1.50E-05	6.83E-06	6.74E-06	0.00E+00	0.00E+00	3.11E-06	5.61E-07	3.56E-06	5.49E-07	5.22E-07	8.30E-06	8.83E-06	3.24E-06	4.41E-06	1.65E-06	8.83E-06	3.24E-06
5387	478485.8	3850202	2.16E-02	2.11E-02	2.08E-02	7.47E-06	2.26E-05	1.31E-05	1.27E-05	1.15E-05	5.27E-06	5.20E-06	0.00E+00	0.00E+00	2.40E-06	4.32E-07	2.74E-06	4.23E-07	4.03E-07	6.40E-06	6.81E-06	2.50E-06	3.40E-06	1.27E-06	6.81E-06	2.50E-06
5388	479113.2	3850502	1.98E-02	1.93E-02	1.91E-02	6.86E-06	2.07E-05	1.20E-05	1.17E-05	1.06E-05	4.84E-06	4.77E-06	0.00E+00	0.00E+00	2.21E-06	3.97E-07	2.52E-06	3.89E-07	3.70E-07	5.88E-06	6.25E-06	2.29E-06	3.12E-06	1.17E-06	6.25E-06	2.29E-06
5389	479108.1	3850382	8.02E-03	7.83E-03	7.72E-03	2.78E-06	8.39E-06	4.85E-06	4.74E-06	4.29E-06	1.96E-06	1.93E-06	0.00E+00	0.00E+00	8.93E-07	1.61E-07	1.02E-06	1.57E-07	1.50E-07	2.38E-06	2.53E-06	9.29E-07	1.26E-06	4.72E-07	2.53E-06	9.29E-07
5390	479689.9	3850674	8.32E-03	8.12E-03	8.01E-03	2.88E-06	8.70E-06	5.03E-06	4.91E-06	4.45E-06	2.03E-06	2.01E-06	0.00E+00	0.00E+00	9.26E-07	1.67E-07	1.06E-06	1.63E-07	1.55E-07	2.47E-06	2.63E-06	9.63E-07	1.31E-06	4.90E-07	2.63E-06	9.63E-07
5391	479952.4	3850774	7.22E-03	7.04E-03	6.95E-03	2.50E-06	7.54E-06	4.37E-06	4.26E-06	3.86E-06	1.76E-06	1.74E-06	0.00E+00	0.00E+00	8.03E-07	1.45E-07	9.18E-07	1.42E-07	1.35E-07	2.14E-06	2.28E-06	8.35E-07	1.14E-06	4.25E-07	2.28E-06	8.35E-07
5392	479911.3	3850885	1.86E-02	1.81E-02	1.79E-02	6.43E-06	1.94E-05	1.12E-05	1.10E-05	9.94E-06	4.54E-06	4.48E-06	0.00E+00	0.00E+00	2.07E-06	3.72E-07	2.36E-06	3.64E-07	3.47E-07	5.51E-06	5.86E-06	2.15E-06	2.93E-06	1.09E-06	5.86E-06	2.15E-06
5393	480500.9	3851178	1.94E-02	1.89E-02	1.87E-02	6.71E-06	2.03E-05	1.17E-05	1.14E-05	1.04E-05	4.73E-06	4.67E-06	0.00E+00	0.00E+00	2.16E-06	3.88E-07	2.47E-06	3.80E-07	3.62E-07	5.75E-06	6.12E-06	2.24E-06	3.05E-06	1.14E-06	6.12E-06	2.24E-06
5394	480738	3851289	1.83E-02	1.79E-02	1.76E-02	6.33E-06	1.91E-05	1.11E-05	1.08E-05	9.79E-06	4.47E-06	4.41E-06	0.00E+00	0.00E+00	2.04E-06	3.67E-07	2.33E-06	3.59E-07	3.41E-07	5.43E-06	5.78E-06	2.12E-06	2.88E-06	1.08E-06	5.78E-06	2.12E-06
5395	481055.4	3851444	1.78E-02	1.74E-02	1.72E-02	6.17E-06	1.86E-05	1.08E-05	1.05E-05	9.54E-06	4.35E-06	4.30E-06	0.00E+00	0.00E+00	1.98E-06	3.57E-07	2.27E-06	3.50E-07	3.33E-07	5.29E-06	5.63E-06	2.06E-06	2.81E-06	1.05E-06	5.63E-06	2.06E-06
5396	481110.2	3851443	1.35E-02	1.31E-02	1.30E-02	4.66E-06	1.41E-05	8.15E-06	7.95E-06	7.21E-06	3.29E-06	3.24E-06	0.00E+00	0.00E+00	1.50E-06	2.70E-07	1.71E-06	2.64E-07	2.51E-07	4.00E-06	4.25E-06	1.56E-06	2.12E-06	7.93E-07	4.25E-06	1.56E-06
5397	481111.1	3851417	1.09E-02	1.07E-02	1.05E-02	3.78E-06	1.14E-05	6.61E-06	6.45E-06	5.85E-06	2.67E-06	2.63E-06	0.00E+00	0.00E+00	1.22E-06	2.19E-07	1.39E-06	2.14E-07	2.04E-07	3.24E-06	3.45E-06	1.26E-06	1.72E-06	6.43E-07	3.45E-06	1.26E-06
5398	482248.4	3852605	2.05E-02	2.00E-02	1.97E-02	7.08E-06	2.14E-05	1.24E-05	1.21E-05	1.09E-05	5.00E-06	4.93E-06	0.00E+00	0.00E+00	2.28E-06	4.10E-07	2.60E-06	4.01E-07	3.82E-07	6.07E-06	6.46E-06	2.37E-06	3.22E-06	1.20E-06	6.46E-06	2.37E-06
5399	482273.3	3852632	2.09E-02	2.04E-02	2.01E-02	7.23E-06	2.18E-05	1.26E-05	1.23E-05	1.12E-05	5.10E-06	5.03E-06	0.00E+00	0.00E+00	2.32E-06	4.18E-07	2.65E-06	4.09E-07	3.90E-07	6.20E-06	6.59E-06	2.42E-06	3.29E-06	1.23E-06	6.59E-06	2.42E-06
5400	482665.5	3853039	1.67E-02	1.63E-02	1.61E-02	5.78E-06	1.75E-05	1.01E-05	9.86E-06	8.94E-06	4.08E-06	4.02E-06	0.00E+00	0.00E+00	1.86E-06	3.35E-07	2.12E-06	3.28E-07	3.12E-07	4.96E-06	5.27E-06	1.93E-06	2.63E-06	9.83E-07	5.27E-06	1.93E-06
5401	483078	3853844	7.85E-03	7.66E-03	7.56E-03	2.72E-06	8.21E-06	4.75E-06	4.64E-06	4.20E-06	1.92E-06	1.89E-06	0.00E+00	0.00E+00	8.74E-07	1.57E-07	9.99E-07	1.54E-07	1.47E-07	2.33E-06	2.48E-06	9.09E-07	1.24E-06	4.62E-07	2.48E-06	9.09E-07
5402	483121.4	3853909	7.13E-03	6.96E-03	6.87E-03	2.47E-06	7.46E-06	4.32E-06	4.21E-06	3.82E-06	1.74E-06	1.72E-06	0.00E+00	0.00E+00	7.94E-07	1.43E-07	9.07E-07	1.40E-07	1.33E-07	2.12E-06	2.25E-06	8.26E-07	1.12E-06	4.20E-07	2.25E-06	8.26E-07
5403	483492.6	3853911	2.71E-03	2.65E-03	2.61E-03	9.39E-07	2.83E-06	1.64E-06	1.60E-06	1.45E-06	6.62E-07	6.54E-07	0.00E+00	0.00E+00	3.02E-07	5.44E-08	3.45E-07	5.32E-08	5.06E-08	8.05E-07	8.56E-07	3.14E-07	4.27E-07	1.60E-07	8.56E-07	3.14E-07
5404	483498.3	3854205	6.53E-03	6.37E-03	6.29E-03	2.26E-06	6.83E-06	3.95E-06	3.86E-06	3.50E-06	1.60E-06	1.57E-06	0.00E+00	0.00E+00	7.27E-07	1.31E-07	8.31E-07	1.28E-07	1.22E-07	1.94E-06	2.06E-06	7.56E-07	1.03E-06	3.85E-07	2.06E-06	7.56E-07
5405	484132.4	3854663	1.07E-02	1.04E-02	1.03E-02	3.70E-06	1.12E-05	6.47E-06	6.31E-06	5.72E-06	2.61E-06	2.58E-06	0.00E+00	0.00E+00	1.19E-06	2.14E-07	1.36E-06	2.10E-07	1.99E-07	3.17E-06	3.37E-06	1.24E-06	1.68E-06	6.29E-07	3.37E-06	1.24E-06
5406	484627.6	3854876	9.45E-03	9.22E-03	9.10E-03	3.27E-06	9.87E-06	5.72E-06	5.58E-06	5.06E-06	2.31E-06	2.28E-06	0.00E+00	0.00E+00	1.05E-06	1.89E-07	1.20E-06	1.85E-07	1.76E-07	2.80E-06	2.98E-06	1.09E-06	1.49E-06	5.56E-07	2.98E-06	1.09E-06
5407	484756.1	3854949	9.45E-03	9.22E-03	9.10E-03	3.27E-06	9.88E-06	5.72E-06	5.58E-06	5.06E-06	2.31E-06	2.28E-06	0.00E+00	0.00E+00	1.05E-06	1.89E-07	1.20E-06	1.85E-07	1.76E-07	2.80E-06	2.98E-06	1.09E-06	1.49E-06	5.56E-07	2.98E-06	1.09E-06
5408	486697.5	3856599	3.83E-03	3.74E-03	3.69E-03	1.33E-06	4.01E-06	2.32E-06	2.26E-06	2.05E-06	9.36E-07	9.24E-07	0.00E+00	0.00E+00	4.27E-07	7.68E-08	4.88E-07	7.52E-08	7.15E-08	1.14E-06	1.21E-06	4.44E-07	6.04E-07	2.26E-07	1.21E-06	4.44E-07
5409	487105.3	3856962	3.67E-03	3.58E-03	3.53E-03	1.27E-06	3.83E-06	2.22E-06	2.17E-06	1.96E-06	8.96E-07	8.84E-07	0.00E+00	0.00E+00	4.08E-07	7.35E-08	4.66E-07	7.19E-08	6.84E-08	1.09E-06	1.16E-06	4.25E-07	5.78E-07	2.16E-07	1.16E-06	4.25E-07
5410	487157.6	3856902	2.89E-03	2.82E-03	2.78E-03	9.99E-07	3.02E-06	1.75E-06	1.70E-06	1.54E-06	7.05E-07	6.95E-07	0.00E+00	0.00E+00	3.21E-07	5.78E-08	3.67E-07	5.66E-08	5.38E-08	8.56E-07	9.11E-07	3.34E-07	4.54E-07	1.70E-07	9.11E-07	3.34E-07
5411	487173.5	3856854	2.59E-03	2.53E-03	2.49E-03	8.96E-07	2.71E-06	1.57E-06	1.53E-06	1.39E-06	6.32E-07	6.24E-07	0.00E+00	0.00E+00	2.88E-07	5.19E-08	3.29E-07	5.08E-08	4.83E-08	7.68E-07	8.17E-07	3.00E-07	4.08E-07	1.52E-07	8.17E-07	3.00E-07
5412	487564.4	3856861	1.74E-03	1.70E-03	1.67E-03	6.01E-07	1.82E-06	1.05E-06	1.03E-06	9.30E-07	4.24E-07	4.19E-07	0.00E+00	0.00E+00	1.93E-07	3.48E-08	2.21E-07	3.41E-08	3.24E-08	5.16E-07	5.48E-07	2.01E-07	2.74E-07	1.02E-07	5.48E-07	2.01E-07
5413	487563.3	3856932	1.86E-03	1.81E-03	1.79E-03	6.43E-07	1.94E-06	1.12E-06	1.10E-06	9.95E-07	4.54E-07	4.48E-07	0.00E+00	0.00E+00	2.07E-07	3.72E-08	2.36E-07	3.64E-08	3.47E-08	5.52E-07	5.87E-07	2.15E-07	2.93E-07	1.09E-07	5.87E-07	2.15E-07
5414	487782.7	3856927	1.58E-03	1.54E-03	1.52E-03	5.45E-07	1.65E-06	9.53E-07	9.30E-07	8.43E-07	3.85E-07	3.80E-07	0.00E+00	0.00E+00	1.75E-07	3.16E-08	2.00E-07	3.09E-08	2.94E-08	4.68E-07	4.97E-07	1.82E-07	2.48E-07	9.28E-08	4.97E-07	1.82E-07
5415	487782.4	3856757	1.40E-03	1.36E-03	1.34E-03	4.83E-07	1.46E-06	8.45E-07	8.24E-07	7.47E-07	3.41E-07	3.36E-07	0.00E+00	0.00E+00	1.55E-07	2.80E-08	1.78E-07	2.74E-08	2.60E-08	4.14E-07	4.41E-07	1.62E-07	2.20E-07	8.22E-08	4.41E-07	1.62E-07
5416	487917.3	3856752	1.30E-03	1.27E-03	1.25E-03	4.51E-07	1.36E-06	7.88E-07	7.69E-07	6.97E-07	3.18E-07	3.14E-07	0.00E+00	0.00E+00	1.45E-07	2.61E-08	1.66E-07	2.56E-08	2.43E-08	3.87E-07	4.11E-07	1.51E-07	2.05E-07	7.67E-08	4.11E-07	1.51E-07
5417	487919.6	3856953	1.48E-03	1.44E-03	1.42E-03	5.12E-07	1.55E-06	8.95E-07	8.74E-07	7.92E-07	3.61E-07	3.57E-07	0.00E+00	0.00E+00	1.65E-07	2.97E-08	1.88E-07	2.90E-08	2.76E-08	4.39E-07	4.67E-07	1.71E-07	2.33E-07	8.71E-08	4.67E-07	1.71E-07
5418	487932.8	3857000	1.52E-03	1.48E-03	1.46E-03	5.25E-07	1.59E-06	9.18E-07	8.96E-07	8.12E-07	3.71E-07	3.66E-07	0.00E+00	0.00E+00	1.69E-07	3.04E-08	1.93E-07	2.98E-08	2.83E-08	4.50E-07	4.79E-07	1.76E-07	2.39E-07	8.93E-08	4.79E-07	1.76E-07
5419	487960.5	3857045	1.54E-03	1.50E-03	1.48E-03	5.34E-07	1.61E-06	9.33E-07	9.10E-07	8.25E-07	3.76E-07	3.71E-07	0.00E+00	0.00E+00	1.72E-07	3.09E-08	1.96E-07	3.02E-08	2.88E-08	4.57E-07	4.86E-07	1.78E-07	2.43E-07	9.07E-08	4.86E-07	1.78E-07
5420	488016.5	3857090	1.54E-03	1.50E-03	1.48E-03	5.33E-07	1.61E-06	9.31E-07	9.09E-07	8.24E-07	3.76E-07	3.71E-07	0.00E+00	0.00E+00	1.71E-07	3.08E-08	1.96E-07	3.02E-08	2.87E-08	4.57E-07	4.86E-07	1.78E-07	2.42E-07	9.06E-08	4.86E-07	1.78E-07
5421	488114.4	3857165	1.54E-03	1.50E-03	1.48E-03	5.32E-07	1.61E-06	9.30E-07	9.08E-07	8.23E-07	3.75E-07	3.70E-07	0.00E+00	0.00E+00	1.71E-07	3.08E-08	1.95E-07	3.01E-08	2.87E-08	4.56E-07	4.85E-07	1.78E-07	2.42E-07	9.05E-08	4.85E-07	1.78E-07
5422	488171.5	3857234	1.57E-03	1.53E-03	1.51E-03	5.42E-07	1.64E-06	9.48E-07	9.25E-07	8.38E-07	3.82E-07	3.77E-07	0.00E+00	0.00E+00	1.74E-07	3.14E-08	1.99E-07	3.07E-08	2.92E-08	4.65E-07	4.94E-07	1.81E-07	2.47E-07	9.22E-08	4.94E-07	1.81E-07
5423	488193.2	3857298	1.63E-03	1.59E-03	1.57E-03	5.63E-07	1.70E-06	9.84E-07	9.60E-07	8.70E-07	3.97E-07	3.92E-07	0.00E+00	0.00E+00	1.81E-07	3.26E-08	2.07E-07	3.19E-08	3.03E-08	4.83E-07	5.13E-07	1.88E-07	2.56E-07	9.57E-08	5.13E-07	1.88E-07
5424	488189.3	3857650	2.32E-03	2.26E-03	2.23E-03	8.02E-07	2.42E-06	1.40E-06	1.37E-06	1.24E-06	5.66E-07	5.58E-07	0.00E+00	0.00E+00	2.58E-07	4.64E-08	2.95E-07	4.54E-08	4.32E-08	6.88E-07	7.31E-07	2.68E-07	3.65E-07	1.36E-07	7.31E-07	2.68E-07
5425	488127.4	3857732	2.78E-03	2.72E-03	2.68E-03	9.64E-07	2.91E-06	1.68E-06	1.64E-06	1.49E-06	6.80E-07	6.71E-07	0.00E+00	0.00E+00	3.10E-07	5.58E-08	3.54E-07	5.46E-08	5.20E-08	8.26E-07	8.79E-07	3.22E-07	4.39E-07	1.64E-07	8.79E-07	3.22E-07
5426	488149.9	3857753	2.79E-03	2.72E-03	2.68E-03	9.65E-07	2.91E-06	1.69E-06	1.65E-06	1.49E-06	6.81E-07	6.72E-07	0.00E+00	0.00E+00	3.10E-07	5.59E-08	3.55E-07	5.47E-08	5.20E-08	8.27E-07	8.80E-07	3.23E-07	4.39E-07	1.64E-07	8.80E-07	3.23E-07
5427	488144.8	3857759	2.83E-03	2.76E-03	2.73E-03	9.80E-07	2.96E-06	1.71E-06	1.67E-06	1.52E-06	6.91E-07	6.82E-07	0.00E+00	0.00E+00	3.15E-07	5.67E-08	3.60E-07	5.55E-08	5.28E-08	8.40E-07	8.94E-07	3.28E-07	4.46E-07	1.67E-07	8.94E-07	3.28E-07
5428	488335.6	3857933	2.93E-03	2.86E-03	2.82E-03	1.02E-06	3.06E-06	1.77E-06	1.73E-06	1.57E-06	7.16E-07	7.07E-07	0.00E+00	0.00E+00	3.26E-07	5.88E-08	3.73E-07	5.75E-08	5.47E-08	8.70E-07	9.26E-07	3.39E-07	4.62E-07	1.73E-07	9.26E-07	3.39E-07
5429	488372.3	3857944	2.85E-03	2.78E-03	2.75E-03	9.87E-07	2.98E-06	1.73E-06	1.68E-06	1.53E-06	6.96E-07	6.87E-07	0.00E+00	0.00E+00	3.17E-07	5.72E-08	3.63E-07	5.59E-08	5.32E-08	8.46E-07	9.00E-07	3.30E-07	4.49E-07	1.68E-07	9.00E-07	3.30E-07
5430	488828.6	3857936	1.89E-03	1.84E-03	1.82E-03	6.53E-07	1.97E-06	1.14E-06	1.11E-06	1.01E-06	4.61E-07	4.55E-07	0.00E+00	0.00E+00	2.10E-07	3.78E-08	2.40E-07	3.70E-08	3.52E-08	5.60E-07	5.95E-07	2.18E-07	2.97E-07	1.11E-07	5.95E-07	2.18E-07
5431	488829.1	3857960	1.93E-03	1.88E-03	1.85E-03	6.67E-07	2.01E-06	1.17E-06	1.14E-06	1.03E-06	4.70E-07	4.64E-07	0.00E+00	0.00E+00	2.14E-07	3.86E-08	2.45E-07	3.78E-08	3.59E-08	5.72E-07	6.08E-07	2.23E-07	3.03E-07	1.13E-07	6.08E-07	2.23E-07
5432	488351.6	3857965	3.03E-03	2.96E-03	2.92E-03	1.05E-06	3.17E-06	1.83E-06	1.79E-06	1.62E-06	7.40E-07	7.30E-07	0.00E+00	0.00E+00	3.37E-07	6.07E-08	3.85E-07	5.94E-08	5.65E-08	8.99E-07	9.56E-07	3.51E-07	4.77E-07	1.78E-07	9.56E-07	3.51E-07
5433	488316.9	3857948	3.08E-03	3.01E-03	2.97E-03	1.07E-06	3.22E-06	1.87E-06	1.82E-06	1.65E-06	7.53E-07	7.43E-07	0.00E+00	0.00E+00	3.43E-07	6.18E-08	3.92E-07	6.05E-08	5.75E-08	9.15E-07	9.73E-07	3.57E-07	4.86E-07	1.81E-07	9.73E-07	3.57E-07
5434	488129.1	3857776	2.97E-03	2.90E-03	2.86E-03	1.03E-06	3.11E-06	1.80E-06	1.75E-06	1.59E-06	7.26E-07	7.16E-07	0.00E+00	0.00E+00	3.31E-07	5.96E-08	3.78E-07	5.83E-08	5.55E-08	8.82E-07	9.38E-07	3.44E-07	4.68E-07	1.75E-07	9.38E-07	3.44E-07
5435	488062.5	3857846	3.82E-03	3.73E-03	3.68E-03	1.32E-06	4.00E-06	2.31E-06	2.26E-06	2.05E-06	9.34E-07	9.21E-07	0.00E+00	0.00E+00	4.26E-07	7.66E-08	4.86E-07	7.50E-08	7.13E-08	1.13E-06	1.21E-06	4.43E-07	6.02E-07	2.25E-07	1.21E-06	4.43E-07
5436	488330.4	3858091	3.97E-03	3.87E-03	3.82E-03	1.37E-06	4.15E-06	2.40E-06	2.34E-06	2.12E-06	9.69E-07	9.56E-07	0.00E+00	0.00E+00	4.42E-07	7.95E-08	5.05E-07	7.78E-08	7.40E-08	1.18E-06	1.25E-06	4.59E-07	6.25E-07	2.34E-07	1.25E-06	4.59E-07
5437	488470.9	3858174	3.74E-03	3.65E-03	3.60E-03	1.30E-06	3.91E-06	2.27E-06	2.21E-06	2.00E-06	9.14E-07	9.02E-07	0.00E+00	0.00E+00	4.17E-07	7.50E-08	4.76E-07	7.34E-08	6.99E-08	1.11E-06	1.18E-06	4.33E-07	5.90E-07	2.20E-07	1.18E-06	4.33E-07
5438	488568.9	3858262	3.92E-03	3.83E-03	3.78E-03	1.36E-06	4.10E-06	2.37E-06	2.32E-06	2.10E-06	9.58E-07	9.45E-07	0.00E+00	0.00E+00	4.37E-07	7.86E-08	4.99E-07	7.69E-08	7.32E-08	1.16E-06	1.24E-06	4.54E-07	6.18E-07	2.31E-07	1.24E-06	4.54E-07
5439	488964.3	3858026	1.87E-03	1.82E-03	1.80E-03	6.47E-07	1.95E-06	1.13E-06	1.10E-06	1.00E-06	4.57E-07	4.50E-07	0.00E+00	0.00E+00	2.08E-07	3.75E-08	2.38E-07	3.67E-08	3.49E-08	5.55E-07	5.90E-07	2.16E-07	2.95E-07	1.10E-07	5.90E-07	2.16E-07
5440	489147.3	3857957	1.58E-03	1.54E-03	1.52E-03	5.47E-07	1.65E-06	9.55E-07	9.32E-07	8.45E-07	3.86E-07	3.81E-07	0.00E+00	0.00E+00	1.76E-07	3.16E-08	2.01E-07	3.10E-08	2.95E-08	4.69E-07	4.98E-07	1.83E-07	2.49E-07	9.30E-08	4.98E-07	1.83E-07
5441	489343.5	3857932	1.40E-03	1.37E-03	1.35E-03	4.86E-07	1.47E-06	8.50E-07	8.29E-07	7.52E-07	3.43E-07	3.39E-07	0.00E+00	0.00E+00	1.56E-07	2.82E-08	1.79E-07	2.75E-08	2.62E-08	4.17E-07	4.43E-07	1.63E-07	2.21E-07	8.27E-08	4.43E-07	1.63E-07
5442	489866.2	3857923	1.13E-03	1.11E-03	1.09E-03	3.92E-07	1.18E-06	6.86E-07	6.69E-07	6.07E-07	2.77E-07	2.73E-07	0.00E+00	0.00E+00	1.26E-07	2.27E-08	1.44E-07	2.22E-08	2.11E-08	3.36E-07	3.58E-07	1.31E-07	1.79E-07	6.67E-08	3.58E-07	1.31E-07
5443	489955.7	3857902	1.09E-03	1.06E-03	1.05E-03	3.76E-07	1.13E-06	6.57E-07	6.41E-07	5.81E-07	2.65E-07	2.62E-07	0.00E+00	0.00E+00	1.21E-07	2.18E-08	1.38E-07	2.13E-08	2.03E-08	3.22E-07	3.43E-07	1.26E-07	1.71E-07	6.39E-08	3.43E-07	1.26E-07
5444	490079.4	3857848	1.03E-03	1.00E-03	9.89E-04	3.56E-07	1.07E-06	6.22E-07	6.07E-07	5.50E-07	2.51E-07	2.48E-07	0.00E+00	0.00E+00	1.14E-07	2.06E-08	1.31E-07	2.02E-08	1.92E-08	3.05E-07	3.24E-07	1.19E-07	1.62E-07	6.05E-08	3.24E-07	1.19E-07
5445	490108.5	3857934	1.06E-03	1.03E-03	1.02E-03	3.65E-07	1.10E-06	6.39E-07	6.23E-07	5.65E-07	2.58E-07	2.54E-07	0.00E+00	0.00E+00	1.17E-07	2.12E-08	1.34E-07	2.07E-08	1.97E-08	3.13E-07	3.33E-07	1.22E-07	1.66E-07	6.21E-08	3.33E-07	1.22E-07
5446	489884.5	3858014	1.18E-03	1.15E-03	1.14E-03	4.09E-07	1.23E-06	7.14E-07	6.97E-07	6.32E-07	2.88E-07	2.84E-07	0.00E+00	0.00E+00	1.31E-07	2.37E-08	1.50E-07	2.31E-08	2.20E-08	3.50E-07	3.73E-07	1.37E-07	1.86E-07	6.95E-08	3.73E-07	1.37E-07
5447	489326.6	3858026	1.51E-03	1.47E-03	1.45E-03	5.22E-07	1.58E-06	9.13E-07	8.91E-07	8.08E-07	3.69E-07	3.64E-07	0.00E+00	0.00E+00	1.68E-07	3.02E-08	1.92E-07	2.96E-08	2.82E-08	4.48E-07	4.76E-07	1.75E-07	2.38E-07	8.89E-08	4.76E-07	1.75E-07
5448	489130.4	3858057	1.72E-03	1.68E-03	1.66E-03	5.95E-07	1.80E-06	1.04E-06	1.01E-06	9.20E-07	4.20E-07	4.14E-07	0.00E+00	0.00E+00	1.91E-07	3.44E-08	2.19E-07	3.37E-08	3.21E-08	5.10E-07	5.42E-07	1.99E-07	2.71E-07	1.01E-07	5.42E-07	1.99E-07
5449	488936.5	3858144	2.15E-03	2.10E-03	2.07E-03	7.44E-07	2.25E-06	1.30E-06	1.27E-06	1.15E-06	5.25E-07	5.18E-07	0.00E+00	0.00E+00	2.39E-07	4.31E-08	2.73E-07	4.21E-08	4.01E-08	6.38E-07	6.78E-07	2.49E-07	3.39E-07	1.27E-07	6.78E-07	2.49E-07
5450	488638.1	3858327	4.01E-03	3.91E-03	3.86E-03	1.39E-06	4.19E-06	2.43E-06	2.37E-06	2.15E-06	9.79E-07	9.66E-07	0.00E+00	0.00E+00	4.46E-07	8.03E-08	5.10E-07	7.86E-08	7.48E-08	1.19E-06	1.27E-06	4.64E-07	6.31E-07	2.36E-07	1.27E-06	4.64E-07
5451	488663.8	3858350	4.02E-03	3.92E-03	3.87E-03	1.39E-06	4.20E-06	2.43E-06	2.37E-06	2.15E-06	9.82E-07	9.69E-07	0.00E+00	0.00E+00	4.47E-07	8.06E-08	5.11E-07	7.88E-08	7.50E-08	1.19E-06	1.27E-06	4.65E-07	6.33E-07	2.37E-07	1.27E-06	4.65E-07
5452	488694.6	3858350	3.81E-03	3.72E-03	3.67E-03	1.32E-06	3.99E-06	2.31E-06	2.25E-06	2.04E-06	9.31E-07	9.19E-07	0.00E+00	0.00E+00	4.25E-07	7.64E-08	4.85E-07	7.48E-08	7.12E-08	1.13E-06	1.20E-06	4.41E-07	6.01E-07	2.24E-07	1.20E-06	4.41E-07
5453	488694.4	3858337	3.72E-03	3.63E-03	3.58E-03	1.29E-06	3.88E-06	2.25E-06	2.19E-06	1.99E-06	9.08E-07	8.95E-07	0.00E+00	0.00E+00	4.14E-07	7.45E-08	4.73E-07	7.29E-08	6.93E-08	1.10E-06	1.17E-06	4.30E-07	5.85E-07	2.19E-07	1.17E-06	4.30E-07
5454	488712.8	3858336	3.61E-03	3.52E-03	3.47E-03	1.25E-06	3.77E-06	2.18E-06	2.13E-06	1.93E-06	8.81E-07	8.69E-07	0.00E+00	0.00E+00	4.02E-07	7.23E-08	4.59E-07	7.07E-08	6.73E-08	1.07E-06	1.14E-06	4.18E-07	5.68E-07	2.12E-07	1.14E-06	4.18E-07
5455	488713.2	3858367	3.84E-03	3.75E-03	3.70E-03	1.33E-06	4.01E-06	2.32E-06	2.27E-06	2.06E-06	9.38E-07	9.25E-07	0.00E+00	0.00E+00	4.27E-07	7.70E-08	4.88E-07	7.53E-08	7.17E-08	1.14E-06	1.21E-06	4.45E-07	6.05E-07	2.26E-07	1.21E-06	4.45E-07
5456	488704.6	3858384	4.04E-03	3.94E-03	3.89E-03	1.40E-06	4.22E-06	2.45E-06	2.39E-06	2.16E-06	9.87E-07	9.74E-07	0.00E+00	0.00E+00	4.50E-07	8.10E-08	5.14E-07	7.92E-08	7.54E-08	1.20E-06	1.28E-06	4.68E-07	6.37E-07	2.38E-07	1.28E-06	4.68E-07
5457	488604.2	3858488	7.05E-03	6.88E-03	6.78E-03	2.44E-06	7.37E-06	4.26E-06	4.16E-06	3.77E-06	1.72E-06	1.70E-06	0.00E+00	0.00E+00	7.84E-07	1.41E-07	8.96E-07	1.38E-07	1.31E-07	2.09E-06	2.22E-06	8.16E-07	1.11E-06	4.15E-07	2.22E-06	8.16E-07
5458	488605.7	3858550	9.47E-03	9.24E-03	9.11E-03	3.28E-06	9.89E-06	5.73E-06	5.59E-06	5.07E-06	2.31E-06	2.28E-06	0.00E+00	0.00E+00	1.05E-06	1.90E-07	1.20E-06	1.86E-07	1.77E-07	2.81E-06	2.99E-06	1.10E-06	1.49E-06	5.57E-07	2.99E-06	1.10E-06
5459	488692.7	3858549	6.71E-03	6.55E-03	6.47E-03	2.32E-06	7.02E-06	4.06E-06	3.96E-06	3.59E-06	1.64E-06	1.62E-06	0.00E+00	0.00E+00	7.47E-07	1.35E-07	8.54E-07	1.32E-07	1.25E-07	1.99E-06	2.12E-06	7.77E-07	1.06E-06	3.95E-07	2.12E-06	7.77E-07
5460	488759.9	3858462	4.38E-03	4.27E-03	4.21E-03	1.51E-06	4.57E-06	2.65E-06	2.58E-06	2.34E-06	1.07E-06	1.05E-06	0.00E+00	0.00E+00	4.87E-07	8.77E-08	5.57E-07	8.58E-08	8.17E-08	1.30E-06	1.38E-06	5.07E-07	6.89E-07	2.58E-07	1.38E-06	5.07E-07

5461	488816.6	3858542	4.81E-03	4.69E-03	4.63E-03	1.66E-06	5.02E-06	2.91E-06	2.84E-06	2.57E-06	1.17E-06	1.16E-06	0.00E+00	0.00E+00	5.35E-07	9.63E-08	6.11E-07	9.42E-08	8.97E-08	1.43E-06	1.52E-06	5.56E-07	7.57E-07	2.83E-07	1.52E-06	5.56E-07
5462	488944.6	3858657	5.11E-03	4.98E-03	4.92E-03	1.77E-06	5.34E-06	3.09E-06	3.01E-06	2.73E-06	1.25E-06	1.23E-06	0.00E+00	0.00E+00	5.68E-07	1.02E-07	6.49E-07	1.00E-07	9.53E-08	1.52E-06	1.61E-06	5.91E-07	8.04E-07	3.01E-07	1.61E-06	5.91E-07
5463	489134.9	3858831	6.14E-03	5.99E-03	5.91E-03	2.13E-06	6.42E-06	3.72E-06	3.63E-06	3.29E-06	1.50E-06	1.48E-06	0.00E+00	0.00E+00	6.83E-07	1.23E-07	7.81E-07	1.20E-07	1.15E-07	1.82E-06	1.94E-06	7.11E-07	9.67E-07	3.61E-07	1.94E-06	7.11E-07
5464	489194	3858886	6.61E-03	6.45E-03	6.37E-03	2.29E-06	6.91E-06	4.00E-06	3.90E-06	3.54E-06	1.62E-06	1.59E-06	0.00E+00	0.00E+00	7.36E-07	1.33E-07	8.41E-07	1.30E-07	1.23E-07	1.96E-06	2.09E-06	7.66E-07	1.04E-06	3.89E-07	2.09E-06	7.66E-07
5465	489295.2	3858954	6.80E-03	6.64E-03	6.55E-03	2.35E-06	7.11E-06	4.12E-06	4.02E-06	3.64E-06	1.66E-06	1.64E-06	0.00E+00	0.00E+00	7.57E-07	1.36E-07	8.65E-07	1.33E-07	1.27E-07	2.02E-06	2.15E-06	7.87E-07	1.07E-06	4.00E-07	2.15E-06	7.87E-07
5466	489295.6	3858993	8.10E-03	7.90E-03	7.80E-03	2.80E-06	8.47E-06	4.90E-06	4.78E-06	4.34E-06	1.98E-06	1.95E-06	0.00E+00	0.00E+00	9.02E-07	1.62E-07	1.03E-06	1.59E-07	1.51E-07	2.40E-06	2.56E-06	9.38E-07	1.28E-06	4.77E-07	2.56E-06	9.38E-07
5467	489183.7	3858912	7.60E-03	7.42E-03	7.32E-03	2.63E-06	7.95E-06	4.60E-06	4.49E-06	4.07E-06	1.86E-06	1.83E-06	0.00E+00	0.00E+00	8.46E-07	1.52E-07	9.67E-07	1.49E-07	1.42E-07	2.26E-06	2.40E-06	8.80E-07	1.20E-06	4.47E-07	2.40E-06	8.80E-07
5468	488873.4	3858626	5.41E-03	5.28E-03	5.21E-03	1.87E-06	5.65E-06	3.27E-06	3.19E-06	2.89E-06	1.32E-06	1.30E-06	0.00E+00	0.00E+00	6.02E-07	1.08E-07	6.88E-07	1.06E-07	1.01E-07	1.60E-06	1.71E-06	6.26E-07	8.52E-07	3.18E-07	1.71E-06	6.26E-07
5469	488842.8	3858659	6.54E-03	6.38E-03	6.30E-03	2.26E-06	6.84E-06	3.96E-06	3.86E-06	3.50E-06	1.60E-06	1.58E-06	0.00E+00	0.00E+00	7.28E-07	1.31E-07	8.32E-07	1.28E-07	1.22E-07	1.94E-06	2.07E-06	7.57E-07	1.03E-06	3.85E-07	2.07E-06	7.57E-07
5470	488856.4	3858671	6.60E-03	6.44E-03	6.35E-03	2.28E-06	6.89E-06	3.99E-06	3.89E-06	3.53E-06	1.61E-06	1.59E-06	0.00E+00	0.00E+00	7.34E-07	1.32E-07	8.39E-07	1.29E-07	1.23E-07	1.96E-06	2.08E-06	7.64E-07	1.04E-06	3.88E-07	2.08E-06	7.64E-07
5471	488805.7	3858725	1.02E-02	9.95E-03	9.82E-03	3.53E-06	1.07E-05	6.17E-06	6.02E-06	5.46E-06	2.49E-06	2.46E-06	0.00E+00	0.00E+00	1.14E-06	2.04E-07	1.30E-06	2.00E-07	1.90E-07	3.03E-06	3.22E-06	1.18E-06	1.61E-06	6.01E-07	3.22E-06	1.18E-06
5472	488805.9	3858804	2.06E-02	2.01E-02	1.98E-02	7.13E-06	2.15E-05	1.25E-05	1.22E-05	1.10E-05	5.03E-06	4.96E-06	0.00E+00	0.00E+00	2.29E-06	4.13E-07	2.62E-06	4.04E-07	3.84E-07	6.11E-06	6.50E-06	2.38E-06	3.24E-06	1.21E-06	6.50E-06	2.38E-06
5473	488995.8	3858937	2.23E-02	2.18E-02	2.15E-02	7.73E-06	2.34E-05	1.35E-05	1.32E-05	1.20E-05	5.46E-06	5.38E-06	0.00E+00	0.00E+00	2.49E-06	4.48E-07	2.84E-06	4.38E-07	4.17E-07	6.63E-06	7.05E-06	2.59E-06	3.52E-06	1.32E-06	7.05E-06	2.59E-06
5474	489130.8	3859017	2.06E-02	2.01E-02	1.99E-02	7.14E-06	2.16E-05	1.25E-05	1.22E-05	1.10E-05	5.04E-06	4.97E-06	0.00E+00	0.00E+00	2.30E-06	4.13E-07	2.62E-06	4.05E-07	3.85E-07	6.12E-06	6.51E-06	2.39E-06	3.25E-06	1.21E-06	6.51E-06	2.39E-06
5475	489130.9	3859052	3.22E-02	3.14E-02	3.10E-02	1.11E-05	3.36E-05	1.95E-05	1.90E-05	1.72E-05	7.86E-06	7.75E-06	0.00E+00	0.00E+00	3.58E-06	6.45E-07	4.09E-06	6.31E-07	6.00E-07	9.55E-06	1.02E-05	3.72E-06	5.07E-06	1.89E-06	1.02E-05	3.72E-06
5476	489200.3	3859091	3.05E-02	2.97E-02	2.93E-02	1.05E-05	3.18E-05	1.84E-05	1.80E-05	1.63E-05	7.44E-06	7.34E-06	0.00E+00	0.00E+00	3.39E-06	6.11E-07	3.87E-06	5.98E-07	5.69E-07	9.04E-06	9.62E-06	3.53E-06	4.80E-06	1.79E-06	9.62E-06	3.53E-06
5477	489296.1	3859144	2.99E-02	2.92E-02	2.88E-02	1.04E-05	3.13E-05	1.81E-05	1.77E-05	1.60E-05	7.30E-06	7.21E-06	0.00E+00	0.00E+00	3.33E-06	5.99E-07	3.80E-06	5.87E-07	5.58E-07	8.88E-06	9.44E-06	3.46E-06	4.71E-06	1.76E-06	9.44E-06	3.46E-06
5478	489296.4	3858955	6.79E-03	6.63E-03	6.54E-03	2.35E-06	7.10E-06	4.11E-06	4.01E-06	3.64E-06	1.66E-06	1.64E-06	0.00E+00	0.00E+00	7.56E-07	1.36E-07	8.64E-07	1.33E-07	1.27E-07	2.02E-06	2.14E-06	7.86E-07	1.07E-06	4.00E-07	2.14E-06	7.86E-07
5479	489410.3	3859033	7.15E-03	6.98E-03	6.89E-03	2.48E-06	7.47E-06	4.33E-06	4.22E-06	3.83E-06	1.75E-06	1.72E-06	0.00E+00	0.00E+00	7.96E-07	1.43E-07	9.09E-07	1.40E-07	1.33E-07	2.12E-06	2.26E-06	8.28E-07	1.13E-06	4.21E-07	2.26E-06	8.28E-07
5480	489371.4	3859090	1.11E-02	1.09E-02	1.07E-02	3.86E-06	1.17E-05	6.74E-06	6.58E-06	5.97E-06	2.72E-06	2.69E-06	0.00E+00	0.00E+00	1.24E-06	2.23E-07	1.42E-06	2.19E-07	2.08E-07	3.31E-06	3.52E-06	1.29E-06	1.76E-06	6.56E-07	3.52E-06	1.29E-06
5481	489390.5	3859103	1.13E-02	1.11E-02	1.09E-02	3.92E-06	1.18E-05	6.86E-06	6.69E-06	6.07E-06	2.77E-06	2.73E-06	0.00E+00	0.00E+00	1.26E-06	2.27E-07	1.44E-06	2.22E-07	2.11E-07	3.36E-06	3.58E-06	1.31E-06	1.79E-06	6.67E-07	3.58E-06	1.31E-06
5482	489382.3	3859115	1.28E-02	1.25E-02	1.23E-02	4.44E-06	1.34E-05	7.76E-06	7.57E-06	6.86E-06	3.13E-06	3.09E-06	0.00E+00	0.00E+00	1.43E-06	2.57E-07	1.63E-06	2.52E-07	2.39E-07	3.81E-06	4.05E-06	1.48E-06	2.02E-06	7.55E-07	4.05E-06	1.48E-06
5483	489363	3859102	1.27E-02	1.24E-02	1.22E-02	4.39E-06	1.33E-05	7.68E-06	7.49E-06	6.79E-06	3.10E-06	3.06E-06	0.00E+00	0.00E+00	1.41E-06	2.54E-07	1.61E-06	2.49E-07	2.37E-07	3.77E-06	4.01E-06	1.47E-06	2.00E-06	7.47E-07	4.01E-06	1.47E-06
5484	489337.5	3859141	2.12E-02	2.07E-02	2.04E-02	7.33E-06	2.21E-05	1.28E-05	1.25E-05	1.13E-05	5.17E-06	5.10E-06	0.00E+00	0.00E+00	2.36E-06	4.24E-07	2.69E-06	4.15E-07	3.95E-07	6.29E-06	6.68E-06	2.45E-06	3.34E-06	1.25E-06	6.68E-06	2.45E-06
5485	489375.1	3859165	2.19E-02	2.14E-02	2.11E-02	7.59E-06	2.29E-05	1.33E-05	1.29E-05	1.17E-05	5.35E-06	5.28E-06	0.00E+00	0.00E+00	2.44E-06	4.39E-07	2.79E-06	4.30E-07	4.09E-07	6.50E-06	6.92E-06	2.54E-06	3.45E-06	1.29E-06	6.92E-06	2.54E-06
5486	489409.3	3859115	1.14E-02	1.12E-02	1.10E-02	3.96E-06	1.19E-05	6.92E-06	6.75E-06	6.12E-06	2.79E-06	2.75E-06	0.00E+00	0.00E+00	1.27E-06	2.29E-07	1.45E-06	2.24E-07	2.13E-07	3.39E-06	3.61E-06	1.32E-06	1.80E-06	6.73E-07	3.61E-06	1.32E-06
5487	489434.9	3859132	1.17E-02	1.14E-02	1.12E-02	4.04E-06	1.22E-05	7.07E-06	6.90E-06	6.25E-06	2.85E-06	2.81E-06	0.00E+00	0.00E+00	1.30E-06	2.34E-07	1.49E-06	2.29E-07	2.18E-07	3.47E-06	3.69E-06	1.35E-06	1.84E-06	6.87E-07	3.69E-06	1.35E-06
5488	489471.9	3859076	7.42E-03	7.24E-03	7.14E-03	2.57E-06	7.75E-06	4.49E-06	4.38E-06	3.97E-06	1.81E-06	1.79E-06	0.00E+00	0.00E+00	8.26E-07	1.49E-07	9.44E-07	1.45E-07	1.38E-07	2.20E-06	2.34E-06	8.59E-07	1.17E-06	4.37E-07	2.34E-06	8.59E-07
5489	489602.6	3859165	8.03E-03	7.84E-03	7.73E-03	2.78E-06	8.40E-06	4.86E-06	4.74E-06	4.30E-06	1.96E-06	1.94E-06	0.00E+00	0.00E+00	8.94E-07	1.61E-07	1.02E-06	1.58E-07	1.50E-07	2.38E-06	2.54E-06	9.30E-07	1.27E-06	4.73E-07	2.54E-06	9.30E-07
5490	489558.3	3859232	1.51E-02	1.47E-02	1.45E-02	5.22E-06	1.58E-05	9.12E-06	8.90E-06	8.07E-06	3.68E-06	3.63E-06	0.00E+00	0.00E+00	1.68E-06	3.02E-07	1.92E-06	2.96E-07	2.81E-07	4.47E-06	4.76E-06	1.74E-06	2.37E-06	8.87E-07	4.76E-06	1.74E-06
5491	489620.1	3859274	1.61E-02	1.57E-02	1.55E-02	5.57E-06	1.68E-05	9.74E-06	9.50E-06	8.62E-06	3.93E-06	3.88E-06	0.00E+00	0.00E+00	1.79E-06	3.23E-07	2.05E-06	3.16E-07	3.00E-07	4.78E-06	5.08E-06	1.86E-06	2.54E-06	9.48E-07	5.08E-06	1.86E-06
5492	489666.1	3859206	8.32E-03	8.12E-03	8.01E-03	2.88E-06	8.70E-06	5.04E-06	4.91E-06	4.45E-06	2.03E-06	2.01E-06	0.00E+00	0.00E+00	9.26E-07	1.67E-07	1.06E-06	1.63E-07	1.55E-07	2.47E-06	2.63E-06	9.63E-07	1.31E-06	4.90E-07	2.63E-06	9.63E-07
5493	489787.9	3859286	8.92E-03	8.70E-03	8.59E-03	3.09E-06	9.32E-06	5.40E-06	5.27E-06	4.77E-06	2.18E-06	2.15E-06	0.00E+00	0.00E+00	9.93E-07	1.79E-07	1.13E-06	1.75E-07	1.66E-07	2.65E-06	2.81E-06	1.03E-06	1.40E-06	5.25E-07	2.81E-06	1.03E-06
5494	489752.2	3859343	1.57E-02	1.53E-02	1.51E-02	5.42E-06	1.64E-05	9.48E-06	9.25E-06	8.38E-06	3.82E-06	3.77E-06	0.00E+00	0.00E+00	1.74E-06	3.14E-07	1.99E-06	3.07E-07	2.92E-07	4.65E-06	4.94E-06	1.81E-06	2.47E-06	9.22E-07	4.94E-06	1.81E-06
5495	489814.9	3859385	1.69E-02	1.65E-02	1.63E-02	5.84E-06	1.76E-05	1.02E-05	9.96E-06	9.03E-06	4.12E-06	4.07E-06	0.00E+00	0.00E+00	1.88E-06	3.38E-07	2.15E-06	3.31E-07	3.15E-07	5.01E-06	5.33E-06	1.95E-06	2.66E-06	9.94E-07	5.33E-06	1.95E-06
5496	489853.4	3859331	9.42E-03	9.19E-03	9.07E-03	3.26E-06	9.85E-06	5.70E-06	5.56E-06	5.04E-06	2.30E-06	2.27E-06	0.00E+00	0.00E+00	1.05E-06	1.89E-07	1.20E-06	1.85E-07	1.76E-07	2.80E-06	2.97E-06	1.09E-06	1.48E-06	5.55E-07	2.97E-06	1.09E-06
5497	489969.5	3859402	9.89E-03	9.65E-03	9.53E-03	3.42E-06	1.03E-05	5.99E-06	5.84E-06	5.30E-06	2.42E-06	2.38E-06	0.00E+00	0.00E+00	1.10E-06	1.98E-07	1.26E-06	1.94E-07	1.85E-07	2.94E-06	3.12E-06	1.15E-06	1.56E-06	5.82E-07	3.12E-06	1.15E-06
5498	490166.9	3859487	9.00E-03	8.79E-03	8.67E-03	3.12E-06	9.41E-06	5.45E-06	5.32E-06	4.82E-06	2.20E-06	2.17E-06	0.00E+00	0.00E+00	1.00E-06	1.80E-07	1.15E-06	1.77E-07	1.68E-07	2.67E-06	2.84E-06	1.04E-06	1.42E-06	5.30E-07	2.84E-06	1.04E-06
5499	490128.9	3859571	2.25E-02	2.19E-02	2.17E-02	7.78E-06	2.35E-05	1.36E-05	1.33E-05	1.20E-05	5.49E-06	5.42E-06	0.00E+00	0.00E+00	2.50E-06	4.51E-07	2.86E-06	4.41E-07	4.20E-07	6.67E-06	7.10E-06	2.60E-06	3.54E-06	1.32E-06	7.10E-06	2.60E-06
5500	490186.7	3859594	2.27E-02	2.22E-02	2.19E-02	7.87E-06	2.38E-05	1.38E-05	1.34E-05	1.22E-05	5.55E-06	5.48E-06	0.00E+00	0.00E+00	2.53E-06	4.56E-07	2.89E-06	4.46E-07	4.24E-07	6.75E-06	7.18E-06	2.63E-06	3.58E-06	1.34E-06	7.18E-06	2.63E-06
5501	490223.7	3859517	9.36E-03	9.13E-03	9.01E-03	3.24E-06	9.78E-06	5.66E-06	5.52E-06	5.01E-06	2.28E-06	2.25E-06	0.00E+00	0.00E+00	1.04E-06	1.88E-07	1.19E-06	1.83E-07	1.75E-07	2.78E-06	2.95E-06	1.08E-06	1.47E-06	5.51E-07	2.95E-06	1.08E-06
5502	490846.3	3859817	1.40E-02	1.36E-02	1.35E-02	4.84E-06	1.46E-05	8.45E-06	8.25E-06	7.48E-06	3.41E-06	3.37E-06	0.00E+00	0.00E+00	1.56E-06	2.80E-07	1.78E-06	2.74E-07	2.61E-07	4.15E-06	4.41E-06	1.62E-06	2.20E-06	8.22E-07	4.41E-06	1.62E-06
5503	490925.7	3859845	1.29E-02	1.26E-02	1.24E-02	4.47E-06	1.35E-05	7.81E-06	7.62E-06	6.91E-06	3.15E-06	3.11E-06	0.00E+00	0.00E+00	1.44E-06	2.59E-07	1.64E-06	2.53E-07	2.41E-07	3.83E-06	4.07E-06	1.49E-06	2.03E-06	7.60E-07	4.07E-06	1.49E-06
5504	491159.3	3859896	8.83E-03	8.62E-03	8.50E-03	3.06E-06	9.23E-06	5.34E-06	5.21E-06	4.73E-06	2.16E-06	2.13E-06	0.00E+00	0.00E+00	9.83E-07	1.77E-07	1.12E-06	1.73E-07	1.65E-07	2.62E-06	2.79E-06	1.02E-06	1.39E-06	5.20E-07	2.79E-06	1.02E-06
5505	491370.7	3859961	6.72E-03	6.55E-03	6.47E-03	2.32E-06	7.02E-06	4.06E-06	3.97E-06	3.59E-06	1.64E-06	1.62E-06	0.00E+00	0.00E+00	7.48E-07	1.35E-07	8.54E-07	1.32E-07	1.25E-07	1.99E-06	2.12E-06	7.77E-07	1.06E-06	3.95E-07	2.12E-06	7.77E-07
5506	491330.3	3860063	1.24E-02	1.21E-02	1.20E-02	4.30E-06	1.30E-05	7.52E-06	7.34E-06	6.65E-06	3.03E-06	2.99E-06	0.00E+00	0.00E+00	1.38E-06	2.49E-07	1.58E-06	2.44E-07	2.32E-07	3.69E-06	3.92E-06	1.44E-06	1.96E-06	7.31E-07	3.92E-06	1.44E-06
5507	491636.5	3860181	6.81E-03	6.65E-03	6.56E-03	2.36E-06	7.12E-06	4.12E-06	4.02E-06	3.65E-06	1.66E-06	1.64E-06	0.00E+00	0.00E+00	7.59E-07	1.37E-07	8.67E-07	1.34E-07	1.27E-07	2.02E-06	2.15E-06	7.89E-07	1.07E-06	4.01E-07	2.15E-06	7.89E-07
5508	491617.9	3860204	7.89E-03	7.70E-03	7.60E-03	2.73E-06	8.25E-06	4.78E-06	4.66E-06	4.22E-06	1.93E-06	1.90E-06	0.00E+00	0.00E+00	8.79E-07	1.58E-07	1.00E-06	1.55E-07	1.47E-07	2.34E-06	2.49E-06	9.14E-07	1.24E-06	4.65E-07	2.49E-06	9.14E-07
5509	491805.7	3860272	5.93E-03	5.78E-03	5.71E-03	2.05E-06	6.20E-06	3.59E-06	3.50E-06	3.17E-06	1.45E-06	1.43E-06	0.00E+00	0.00E+00	6.60E-07	1.19E-07	7.54E-07	1.16E-07	1.11E-07	1.76E-06	1.87E-06	6.86E-07	9.34E-07	3.49E-07	1.87E-06	6.86E-07
5510	491654.2	3860414	3.15E-02	3.08E-02	3.03E-02	1.09E-05	3.29E-05	1.91E-05	1.86E-05	1.69E-05	7.70E-06	7.59E-06	0.00E+00	0.00E+00	3.51E-06	6.32E-07	4.01E-06	6.18E-07	5.88E-07	9.35E-06	9.95E-06	3.65E-06	4.96E-06	1.86E-06	9.95E-06	3.65E-06
5511	491592.6	3860511	5.66E-03	5.52E-03	5.45E-03	1.96E-06	5.91E-06	3.42E-06	3.34E-06	3.03E-06	1.38E-06	1.36E-06	0.00E+00	0.00E+00	6.30E-07	1.13E-07	7.19E-07	1.11E-07	1.06E-07	1.68E-06	1.78E-06	6.55E-07	8.91E-07	3.33E-07	1.78E-06	6.55E-07
5512	491475.4	3860369	9.47E-03	9.24E-03	9.12E-03	3.28E-06	9.90E-06	5.73E-06	5.59E-06	5.07E-06	2.31E-06	2.28E-06	0.00E+00	0.00E+00	1.05E-06	1.90E-07	1.20E-06	1.86E-07	1.77E-07	2.81E-06	2.99E-06	1.10E-06	1.49E-06	5.58E-07	2.99E-06	1.10E-06
5513	491445.6	3860337	1.06E-02	1.03E-02	1.02E-02	3.67E-06	1.11E-05	6.41E-06	6.26E-06	5.67E-06	2.59E-06	2.55E-06	0.00E+00	0.00E+00	1.18E-06	2.12E-07	1.35E-06	2.08E-07	1.98E-07	3.15E-06	3.35E-06	1.23E-06	1.67E-06	6.24E-07	3.35E-06	1.23E-06
5514	491399.1	3860300	1.09E-02	1.06E-02	1.05E-02	3.78E-06	1.14E-05	6.60E-06	6.44E-06	5.84E-06	2.67E-06	2.63E-06	0.00E+00	0.00E+00	1.21E-06	2.19E-07	1.39E-06	2.14E-07	2.04E-07	3.24E-06	3.44E-06	1.26E-06	1.72E-06	6.42E-07	3.44E-06	1.26E-06
5515	491228.8	3860236	5.48E-03	5.35E-03	5.28E-03	1.90E-06	5.73E-06	3.32E-06	3.24E-06	2.94E-06	1.34E-06	1.32E-06	0.00E+00	0.00E+00	6.11E-07	1.10E-07	6.97E-07	1.08E-07	1.02E-07	1.63E-06	1.73E-06	6.35E-07	8.64E-07	3.23E-07	1.73E-06	6.35E-07
5516	491228.5	3860175	1.06E-02	1.03E-02	1.02E-02	3.67E-06	1.11E-05	6.42E-06	6.26E-06	5.68E-06	2.59E-06	2.56E-06	0.00E+00	0.00E+00	1.18E-06	2.13E-07	1.35E-06	2.08E-07	1.98E-07	3.15E-06	3.35E-06	1.23E-06	1.67E-06	6.24E-07	3.35E-06	1.23E-06
5517	491145.8	3860113	1.06E-02	1.03E-02	1.02E-02	3.67E-06	1.11E-05	6.41E-06	6.26E-06	5.67E-06	2.59E-06	2.55E-06	0.00E+00	0.00E+00	1.18E-06	2.12E-07	1.35E-06	2.08E-07	1.98E-07	3.14E-06	3.34E-06	1.23E-06	1.67E-06	6.24E-07	3.34E-06	1.23E-06
5518	490844.4	3859966	9.29E-03	9.07E-03	8.94E-03	3.22E-06	9.71E-06	5.62E-06	5.49E-06	4.97E-06	2.27E-06	2.24E-06	0.00E+00	0.00E+00	1.03E-06	1.86E-07	1.18E-06	1.82E-07	1.73E-07	2.76E-06	2.93E-06	1.08E-06	1.46E-06	5.47E-07	2.93E-06	1.08E-06
5519	490845.6	3859928	2.00E-02	1.95E-02	1.93E-02	6.93E-06	2.09E-05	1.21E-05	1.18E-05	1.07E-05	4.89E-06	4.82E-06	0.00E+00	0.00E+00	2.23E-06	4.01E-07	2.55E-06	3.92E-07	3.73E-07	5.94E-06	6.32E-06	2.32E-06	3.15E-06	1.18E-06	6.32E-06	2.32E-06
5520	490046.9	3859626	1.42E-02	1.39E-02	1.37E-02	4.92E-06	1.49E-05	8.60E-06	8.39E-06	7.61E-06	3.47E-06	3.43E-06	0.00E+00	0.00E+00	1.58E-06	2.85E-07	1.81E-06	2.79E-07	2.65E-07	4.22E-06	4.49E-06	1.65E-06	2.24E-06	8.37E-07	4.49E-06	1.65E-06
5521	489970.5	3859589	1.47E-02	1.43E-02	1.41E-02	5.08E-06	1.53E-05	8.88E-06	8.66E-06	7.85E-06	3.58E-06	3.54E-06	0.00E+00	0.00E+00	1.63E-06	2.94E-07	1.87E-06	2.88E-07	2.74E-07	4.35E-06	4.63E-06	1.70E-06	2.31E-06	8.64E-07	4.63E-06	1.70E-06
5522	489865.9	3859529	1.59E-02	1.55E-02	1.53E-02	5.50E-06	1.66E-05	9.62E-06	9.38E-06	8.51E-06	3.88E-06	3.83E-06	0.00E+00	0.00E+00	1.77E-06	3.19E-07	2.02E-06	3.12E-07	2.97E-07	4.72E-06	5.02E-06	1.84E-06	2.50E-06	9.36E-07	5.02E-06	1.84E-06
5523	489826.9	3859532	1.03E-02	1.00E-02	9.91E-03	3.56E-06	1.08E-05	6.23E-06	6.08E-06	5.51E-06	2.51E-06	2.48E-06	0.00E+00	0.00E+00	1.15E-06	2.06E-07	1.31E-06	2.02E-07	1.92E-07	3.05E-06	3.25E-06	1.19E-06	1.62E-06	6.06E-07	3.25E-06	1.19E-06
5524	489410.5	3859303	9.93E-03	9.69E-03	9.56E-03	3.44E-06	1.04E-05	6.01E-06	5.86E-06	5.31E-06	2.42E-06	2.39E-06	0.00E+00	0.00E+00	1.11E-06	1.99E-07	1.26E-06	1.95E-07	1.85E-07	2.95E-06	3.13E-06	1.15E-06	1.56E-06	5.84E-07	3.13E-06	1.15E-06
5525	489407.2	3859286	1.27E-02	1.24E-02	1.23E-02	4.41E-06	1.33E-05	7.71E-06	7.52E-06	6.82E-06	3.11E-06	3.07E-06	0.00E+00	0.00E+00	1.42E-06	2.55E-07	1.62E-06	2.50E-07	2.38E-07	3.78E-06	4.02E-06	1.47E-06	2.01E-06	7.50E-07	4.02E-06	1.47E-06
5526	488806.1	3858964	8.42E-03	8.22E-03	8.11E-03	2.91E-06	8.80E-06	5.09E-06	4.97E-06	4.51E-06	2.06E-06	2.03E-06	0.00E+00	0.00E+00	9.37E-07	1.69E-07	1.07E-06	1.65E-07	1.57E-07	2.50E-06	2.66E-06	9.75E-07	1.33E-06	4.96E-07	2.66E-06	9.75E-07
5527	488817.6	3859546	9.68E-04	9.45E-04	9.32E-04	3.35E-07	1.01E-06	5.86E-07	5.72E-07	5.18E-07	2.36E-07	2.33E-07	0.00E+00	0.00E+00	1.08E-07	1.94E-08	1.23E-07	1.90E-08	1.81E-08	2.87E-07	3.06E-07	1.12E-07	1.53E-07	5.70E-08	3.06E-07	1.12E-07
5528	489187.3	3859550	1.39E-03	1.36E-03	1.34E-03	4.81E-07	1.45E-06	8.41E-07	8.21E-07	7.44E-07	3.40E-07	3.35E-07	0.00E+00	0.00E+00	1.55E-07	2.79E-08	1.77E-07	2.73E-08	2.59E-08	4.13E-07	4.39E-07	1.61E-07	2.19E-07	8.18E-08	4.39E-07	1.61E-07
5529	489187.7	3859524	1.47E-03	1.44E-03	1.42E-03	5.10E-07	1.54E-06	8.92E-07	8.71E-07	7.89E-07	3.60E-07	3.55E-07	0.00E+00	0.00E+00	1.64E-07	2.96E-08	1.88E-07	2.89E-08	2.75E-08	4.38E-07	4.65E-07	1.71E-07	2.32E-07	8.68E-08	4.65E-07	1.71E-07
5530	489232.6	3859523	1.57E-03	1.54E-03	1.52E-03	5.45E-07	1.65E-06	9.52E-07	9.29E-07	8.42E-07	3.84E-07	3.79E-07	0.00E+00	0.00E+00	1.75E-07	3.15E-08	2.00E-07	3.09E-08	2.94E-08	4.67E-07	4.97E-07	1.82E-07	2.48E-07	9.27E-08	4.97E-07	1.82E-07
5531	489225	3859760	9.94E-04	9.70E-04	9.57E-04	3.44E-07	1.04E-06	6.01E-07	5.87E-07	5.32E-07	2.43E-07	2.39E-07	0.00E+00	0.00E+00	1.11E-07	1.99E-08	1.26E-07	1.95E-08	1.85E-08	2.95E-07	3.14E-07	1.15E-07	1.57E-07	5.85E-08	3.14E-07	1.15E-07
5532	488401.4	3859763	6.03E-04	5.88E-04	5.80E-04	2.09E-07	6.30E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.71E-08	1.21E-08	7.67E-08	1.18E-08	1.12E-08	1.79E-07	1.90E-07	6.98E-08	9.50E-08	3.55E-08	1.90E-07	6.98E-08
5533	488405.5	3859966	5.36E-04	5.23E-04	5.16E-04	1.85E-07	5.60E-07	3.24E-07	3.16E-07	2.87E-07	1.31E-07	1.29E-07	0.00E+00	0.00E+00	5.96E-08	1.07E-08	6.81E-08	1.05E-08	9.99E-09	1.59E-07	1.69E-07	6.20E-08	8.44E-08	3.15E-08	1.69E-07	6.20E-08
5534	489202.9	3859957	7.70E-04	7.51E-04	7.41E-04	2.67E-07	8.05E-07	4.66E-07	4.55E-07	4.12E-07	1.88E-07	1.86E-07	0.00E+00	0.00E+00	8.57E-08	1.54E-08	9.79E-08	1.51E-08	1.44E-08	2.29E-07	2.43E-07	8.91E-08	1.21E-07	4.53E-08	2.43E-07	8.91E-08
5535	489191.9	3860677	4.51E-04	4.40E-04	4.35E-04	1.56E-07	4.72E-07	2.73E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	5.02E-08	9.05E-09	5.74E-08	8.85E-09	8.42E-09	1.34E-07	1.42E-07	5.23E-08	7.11E-08	2.66E-08	1.42E-07	5.23E-08
5536	488392.8	3860688	3.70E-04	3.61E-04	3.56E-04	1.28E-07	3.87E-07	2.24E-07	2.19E-07	1.98E-07	9.04E-08	8.92E-08	0.00E+00	0.00E+00	4.12E-08	7.42E-09	4.71E-08	7.26E-09	6.91E-09	1.10E-07	1.17E-07	4.28E-08	5.83E-08	2.18E-08	1.17E-07	4.28E-08
5537	488392.8	3860760	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	0.00E+00	0.00E+00	4.00E-08	7.21E-09	4.57E-08	7.05E-09	6.71E-09	1.07E-07	1.14E-07	4.16E-08	5.67E-08	2.12E-08	1.14E-07	4.16E-08

5538	487549.1	3860777	3.03E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.84E-07	1.79E-07	1.62E-07	7.41E-08	7.31E-08	0.00E+00	0.00E+00	3.38E-08	6.08E-09	3.86E-08	5.95E-09	5.66E-09	9.00E-08	9.57E-08	3.51E-08	4.78E-08	1.79E-08	9.57E-08	3.51E-08
5539	487554.6	3859572	4.95E-04	4.83E-04	4.76E-04	1.71E-07	5.17E-07	2.99E-07	2.92E-07	2.65E-07	1.21E-07	1.19E-07	0.00E+00	0.00E+00	5.50E-08	9.91E-09	6.29E-08	9.70E-09	9.23E-09	1.47E-07	1.56E-07	5.72E-08	7.79E-08	2.91E-08	1.56E-07	5.72E-08
5540	485949.5	3859559	3.39E-04	3.31E-04	3.27E-04	1.17E-07	3.55E-07	2.05E-07	2.00E-07	1.82E-07	8.29E-08	8.18E-08	0.00E+00	0.00E+00	3.78E-08	6.80E-09	4.32E-08	6.66E-09	6.33E-09	1.01E-07	1.07E-07	3.93E-08	5.35E-08	2.00E-08	1.07E-07	3.93E-08
5541	485947.6	3857944	7.23E-04	7.06E-04	6.96E-04	2.50E-07	7.56E-07	4.38E-07	4.27E-07	3.87E-07	1.77E-07	1.74E-07	0.00E+00	0.00E+00	8.05E-08	1.45E-08	9.20E-08	1.42E-08	1.35E-08	2.15E-07	2.28E-07	8.37E-08	1.14E-07	4.26E-08	2.28E-07	8.37E-08
5542	484738.4	3857940	4.18E-04	4.08E-04	4.02E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	0.00E+00	0.00E+00	4.65E-08	8.37E-09	5.31E-08	8.19E-09	7.80E-09	1.24E-07	1.32E-07	4.84E-08	6.58E-08	2.46E-08	1.32E-07	4.84E-08
5543	484737.1	3857536	4.98E-04	4.86E-04	4.80E-04	1.72E-07	5.21E-07	3.01E-07	2.94E-07	2.67E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.55E-08	9.99E-09	6.34E-08	9.77E-09	9.30E-09	1.48E-07	1.57E-07	5.77E-08	7.85E-08	2.93E-08	1.57E-07	5.77E-08
5544	483730.2	3857530	3.64E-04	3.55E-04	3.50E-04	1.26E-07	3.80E-07	2.20E-07	2.15E-07	1.95E-07	8.89E-08	8.77E-08	0.00E+00	0.00E+00	4.05E-08	7.29E-09	4.63E-08	7.14E-09	6.79E-09	1.08E-07	1.15E-07	4.21E-08	5.73E-08	2.14E-08	1.15E-07	4.21E-08
5545	483727.3	3857130	4.13E-04	4.03E-04	3.97E-04	1.43E-07	4.31E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.95E-08	0.00E+00	0.00E+00	4.60E-08	8.27E-09	5.25E-08	8.10E-09	7.70E-09	1.23E-07	1.30E-07	4.78E-08	6.50E-08	2.43E-08	1.30E-07	4.78E-08
5546	483124.4	3857123	3.55E-04	3.47E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.10E-07	1.90E-07	8.67E-08	8.56E-08	0.00E+00	0.00E+00	3.95E-08	7.12E-09	4.52E-08	6.96E-09	6.63E-09	1.05E-07	1.12E-07	4.11E-08	5.59E-08	2.09E-08	1.12E-07	4.11E-08
5547	483111.1	3855921	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.09E-08	1.10E-08	6.95E-08	1.07E-08	1.02E-08	1.62E-07	1.73E-07	6.33E-08	8.61E-08	3.22E-08	1.73E-07	6.33E-08
5548	482701.7	3855918	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	0.00E+00	0.00E+00	5.14E-08	9.26E-09	5.88E-08	9.06E-09	8.62E-09	1.37E-07	1.46E-07	5.35E-08	7.28E-08	2.72E-08	1.46E-07	5.35E-08
5549	482668	3853522	4.39E-03	4.29E-03	4.23E-03	1.52E-06	4.59E-06	2.66E-06	2.59E-06	2.35E-06	1.07E-06	1.06E-06	0.00E+00	0.00E+00	4.89E-07	8.80E-08	5.59E-07	8.62E-08	8.20E-08	1.30E-06	1.39E-06	5.09E-07	6.92E-07	2.59E-07	1.39E-06	5.09E-07
5550	482579.9	3853219	5.67E-03	5.53E-03	5.46E-03	1.96E-06	5.92E-06	3.43E-06	3.35E-06	3.03E-06	1.38E-06	1.37E-06	0.00E+00	0.00E+00	6.31E-07	1.14E-07	7.21E-07	1.11E-07	1.06E-07	1.68E-06	1.79E-06	6.56E-07	8.93E-07	3.34E-07	1.79E-06	6.56E-07
5551	482434.1	3852962	8.05E-03	7.85E-03	7.75E-03	2.79E-06	8.41E-06	4.87E-06	4.75E-06	4.31E-06	1.97E-06	1.94E-06	0.00E+00	0.00E+00	8.96E-07	1.61E-07	1.02E-06	1.58E-07	1.50E-07	2.39E-06	2.54E-06	9.31E-07	1.27E-06	4.74E-07	2.54E-06	9.31E-07
5552	482332.1	3852833	1.05E-02	1.02E-02	1.01E-02	3.62E-06	1.09E-05	6.33E-06	6.17E-06	5.60E-06	2.55E-06	2.52E-06	0.00E+00	0.00E+00	1.16E-06	2.10E-07	1.33E-06	2.05E-07	1.95E-07	3.10E-06	3.30E-06	1.21E-06	1.65E-06	6.15E-07	3.30E-06	1.21E-06
5553	481335	3851819	8.61E-03	8.40E-03	8.29E-03	2.98E-06	9.00E-06	5.21E-06	5.08E-06	4.61E-06	2.10E-06	2.07E-06	0.00E+00	0.00E+00	9.58E-07	1.73E-07	1.09E-06	1.69E-07	1.61E-07	2.55E-06	2.72E-06	9.96E-07	1.36E-06	5.07E-07	2.72E-06	9.96E-07
5554	481127.6	3851646	7.36E-03	7.18E-03	7.08E-03	2.55E-06	7.69E-06	4.45E-06	4.34E-06	3.94E-06	1.80E-06	1.77E-06	0.00E+00	0.00E+00	8.19E-07	1.47E-07	9.36E-07	1.44E-07	1.37E-07	2.18E-06	2.32E-06	8.52E-07	1.16E-06	4.33E-07	2.32E-06	8.52E-07
5555	481025	3851592	6.69E-03	6.53E-03	6.45E-03	2.32E-06	7.00E-06	4.05E-06	3.95E-06	3.58E-06	1.63E-06	1.61E-06	0.00E+00	0.00E+00	7.45E-07	1.34E-07	8.51E-07	1.31E-07	1.25E-07	1.99E-06	2.11E-06	7.75E-07	1.05E-06	3.94E-07	2.11E-06	7.75E-07
5556	480513.6	3851336	6.93E-03	6.76E-03	6.67E-03	2.40E-06	7.24E-06	4.19E-06	4.09E-06	3.71E-06	1.69E-06	1.67E-06	0.00E+00	0.00E+00	7.71E-07	1.39E-07	8.81E-07	1.36E-07	1.29E-07	2.06E-06	2.19E-06	8.02E-07	1.09E-06	4.08E-07	2.19E-06	8.02E-07
5557	480523.6	3851318	9.38E-03	9.16E-03	9.04E-03	3.25E-06	9.81E-06	5.68E-06	5.54E-06	5.02E-06	2.29E-06	2.26E-06	0.00E+00	0.00E+00	1.04E-06	1.88E-07	1.19E-06	1.84E-07	1.75E-07	2.79E-06	2.96E-06	1.09E-06	1.48E-06	5.52E-07	2.96E-06	1.09E-06
5558	476921.6	3849569	8.21E-03	8.01E-03	7.90E-03	2.84E-06	8.58E-06	4.96E-06	4.84E-06	4.39E-06	2.00E-06	1.98E-06	0.00E+00	0.00E+00	9.13E-07	1.64E-07	1.04E-06	1.61E-07	1.53E-07	2.44E-06	2.59E-06	9.50E-07	1.29E-06	4.83E-07	2.59E-06	9.50E-07
5559	476521.2	3849374	9.85E-03	9.61E-03	9.48E-03	3.41E-06	1.03E-05	5.96E-06	5.81E-06	5.27E-06	2.41E-06	2.37E-06	0.00E+00	0.00E+00	1.10E-06	1.97E-07	1.25E-06	1.93E-07	1.84E-07	2.92E-06	3.11E-06	1.14E-06	1.55E-06	5.80E-07	3.11E-06	1.14E-06
5560	476391.5	3849333	1.05E-02	1.03E-02	1.02E-02	3.65E-06	1.10E-05	6.38E-06	6.23E-06	5.64E-06	2.58E-06	2.54E-06	0.00E+00	0.00E+00	1.17E-06	2.11E-07	1.34E-06	2.07E-07	1.97E-07	3.13E-06	3.33E-06	1.22E-06	1.66E-06	6.21E-07	3.33E-06	1.22E-06
5561	476219.4	3849304	9.22E-03	9.00E-03	8.88E-03	3.19E-06	9.64E-06	5.58E-06	5.44E-06	4.93E-06	2.25E-06	2.22E-06	0.00E+00	0.00E+00	1.03E-06	1.85E-07	1.17E-06	1.81E-07	1.72E-07	2.74E-06	2.91E-06	1.07E-06	1.45E-06	5.43E-07	2.91E-06	1.07E-06
5562	475679.1	3849218	7.47E-03	7.28E-03	7.19E-03	2.58E-06	7.80E-06	4.52E-06	4.41E-06	4.00E-06	1.82E-06	1.80E-06	0.00E+00	0.00E+00	8.31E-07	1.50E-07	9.49E-07	1.46E-07	1.39E-07	2.22E-06	2.36E-06	8.64E-07	1.18E-06	4.39E-07	2.36E-06	8.64E-07
5563	475677.7	3849234	5.98E-03	5.84E-03	5.76E-03	2.07E-06	6.25E-06	3.62E-06	3.53E-06	3.20E-06	1.46E-06	1.44E-06	0.00E+00	0.00E+00	6.66E-07	1.20E-07	7.61E-07	1.17E-07	1.12E-07	1.77E-06	1.89E-06	6.92E-07	9.42E-07	3.52E-07	1.89E-06	6.92E-07
5564	475492.7	3849205	4.18E-03	4.08E-03	4.02E-03	1.45E-06	4.37E-06	2.53E-06	2.47E-06	2.24E-06	1.02E-06	1.01E-06	0.00E+00	0.00E+00	4.65E-07	8.37E-08	5.31E-07	8.19E-08	7.80E-08	1.24E-06	1.32E-06	4.84E-07	6.58E-07	2.46E-07	1.32E-06	4.84E-07
5565	475497.6	3849159	9.83E-03	9.59E-03	9.46E-03	3.40E-06	1.03E-05	5.95E-06	5.80E-06	5.26E-06	2.40E-06	2.37E-06	0.00E+00	0.00E+00	1.09E-06	1.97E-07	1.25E-06	1.93E-07	1.83E-07	2.92E-06	3.10E-06	1.14E-06	1.55E-06	5.79E-07	3.10E-06	1.14E-06
5566	475391.4	3849142	7.50E-03	7.32E-03	7.22E-03	2.59E-06	7.84E-06	4.54E-06	4.43E-06	4.01E-06	1.83E-06	1.81E-06	0.00E+00	0.00E+00	8.34E-07	1.50E-07	9.53E-07	1.47E-07	1.40E-07	2.22E-06	2.37E-06	8.68E-07	1.18E-06	4.41E-07	2.37E-06	8.68E-07
5567	475277	3849095	7.23E-03	7.06E-03	6.97E-03	2.50E-06	7.56E-06	4.38E-06	4.27E-06	3.87E-06	1.77E-06	1.74E-06	0.00E+00	0.00E+00	8.05E-07	1.45E-07	9.20E-07	1.42E-07	1.35E-07	2.15E-06	2.28E-06	8.37E-07	1.14E-06	4.26E-07	2.28E-06	8.37E-07
5568	475183.9	3849026	9.45E-03	9.22E-03	9.10E-03	3.27E-06	9.88E-06	5.72E-06	5.58E-06	5.06E-06	2.31E-06	2.28E-06	0.00E+00	0.00E+00	1.05E-06	1.89E-07	1.20E-06	1.85E-07	1.76E-07	2.81E-06	2.98E-06	1.09E-06	1.49E-06	5.56E-07	2.98E-06	1.09E-06
5569	474453.2	3848379	1.35E-02	1.32E-02	1.30E-02	4.67E-06	1.41E-05	8.16E-06	7.97E-06	7.22E-06	3.30E-06	3.25E-06	0.00E+00	0.00E+00	1.50E-06	2.70E-07	1.72E-06	2.65E-07	2.52E-07	4.01E-06	4.26E-06	1.56E-06	2.13E-06	7.94E-07	4.26E-06	1.56E-06
5570	474569.6	3848399	2.91E-02	2.84E-02	2.80E-02	1.01E-05	3.04E-05	1.76E-05	1.72E-05	1.56E-05	7.10E-06	7.00E-06	0.00E+00	0.00E+00	3.23E-06	5.82E-07	3.69E-06	5.70E-07	5.42E-07	8.62E-06	9.17E-06	3.36E-06	4.58E-06	1.71E-06	9.17E-06	3.36E-06
5571	474644.3	3848465	2.95E-02	2.88E-02	2.84E-02	1.02E-05	3.08E-05	1.78E-05	1.74E-05	1.58E-05	7.20E-06	7.10E-06	0.00E+00	0.00E+00	3.28E-06	5.91E-07	3.75E-06	5.78E-07	5.50E-07	8.75E-06	9.30E-06	3.41E-06	4.64E-06	1.73E-06	9.30E-06	3.41E-06
5572	474719	3848530	3.01E-02	2.93E-02	2.89E-02	1.04E-05	3.14E-05	1.82E-05	1.78E-05	1.61E-05	7.34E-06	7.25E-06	0.00E+00	0.00E+00	3.35E-06	6.03E-07	3.82E-06	5.90E-07	5.61E-07	8.92E-06	9.49E-06	3.48E-06	4.74E-06	1.77E-06	9.49E-06	3.48E-06
5573	474793.7	3848595	3.06E-02	2.99E-02	2.95E-02	1.06E-05	3.20E-05	1.85E-05	1.81E-05	1.64E-05	7.47E-06	7.37E-06	0.00E+00	0.00E+00	3.41E-06	6.13E-07	3.89E-06	6.00E-07	5.71E-07	9.08E-06	9.66E-06	3.54E-06	4.82E-06	1.80E-06	9.66E-06	3.54E-06
5574	474868.5	3848660	3.08E-02	3.00E-02	2.96E-02	1.06E-05	3.22E-05	1.86E-05	1.82E-05	1.65E-05	7.51E-06	7.41E-06	0.00E+00	0.00E+00	3.42E-06	6.17E-07	3.91E-06	6.03E-07	5.74E-07	9.13E-06	9.71E-06	3.56E-06	4.85E-06	1.81E-06	9.71E-06	3.56E-06
5575	474943.2	3848725	3.13E-02	3.06E-02	3.02E-02	1.08E-05	3.27E-05	1.89E-05	1.85E-05	1.68E-05	7.65E-06	7.55E-06	0.00E+00	0.00E+00	3.49E-06	6.28E-07	3.98E-06	6.14E-07	5.84E-07	9.29E-06	9.88E-06	3.63E-06	4.93E-06	1.84E-06	9.88E-06	3.63E-06
5576	475017.9	3848790	3.24E-02	3.16E-02	3.12E-02	1.12E-05	3.38E-05	1.96E-05	1.91E-05	1.73E-05	7.90E-06	7.80E-06	0.00E+00	0.00E+00	3.60E-06	6.48E-07	4.11E-06	6.34E-07	6.04E-07	9.60E-06	1.02E-05	3.75E-06	5.10E-06	1.90E-06	1.02E-05	3.75E-06
5577	475092.6	3848856	3.30E-02	3.22E-02	3.18E-02	1.14E-05	3.45E-05	2.00E-05	1.95E-05	1.77E-05	8.07E-06	7.96E-06	0.00E+00	0.00E+00	3.68E-06	6.62E-07	4.20E-06	6.48E-07	6.16E-07	9.81E-06	1.04E-05	3.82E-06	5.20E-06	1.94E-06	1.04E-05	3.82E-06
5578	475232.6	3848959	2.79E-02	2.72E-02	2.68E-02	9.64E-06	2.91E-05	1.69E-05	1.64E-05	1.49E-05	6.80E-06	6.71E-06	0.00E+00	0.00E+00	3.10E-06	5.58E-07	3.54E-06	5.46E-07	5.20E-07	8.27E-06	8.79E-06	3.22E-06	4.39E-06	1.64E-06	8.79E-06	3.22E-06
5579	475368.5	3849030	2.90E-02	2.83E-02	2.79E-02	1.00E-05	3.03E-05	1.75E-05	1.71E-05	1.55E-05	7.07E-06	6.98E-06	0.00E+00	0.00E+00	3.22E-06	5.80E-07	3.68E-06	5.68E-07	5.40E-07	8.60E-06	9.14E-06	3.35E-06	4.56E-06	1.71E-06	9.14E-06	3.35E-06
5580	475609.6	3849096	2.41E-02	2.35E-02	2.32E-02	8.33E-06	2.52E-05	1.46E-05	1.42E-05	1.29E-05	5.88E-06	5.80E-06	0.00E+00	0.00E+00	2.68E-06	4.82E-07	3.06E-06	4.72E-07	4.49E-07	7.15E-06	7.60E-06	2.79E-06	3.79E-06	1.42E-06	7.60E-06	2.79E-06
5581	475680.7	3849117	2.77E-02	2.70E-02	2.67E-02	9.59E-06	2.90E-05	1.68E-05	1.64E-05	1.48E-05	6.77E-06	6.68E-06	0.00E+00	0.00E+00	3.09E-06	5.55E-07	3.52E-06	5.44E-07	5.17E-07	8.23E-06	8.75E-06	3.21E-06	4.37E-06	1.63E-06	8.75E-06	3.21E-06
5582	475843.8	3849152	3.42E-02	3.34E-02	3.29E-02	1.18E-05	3.57E-05	2.07E-05	2.02E-05	1.83E-05	8.35E-06	8.24E-06	0.00E+00	0.00E+00	3.81E-06	6.85E-07	4.35E-06	6.71E-07	6.38E-07	1.02E-05	1.08E-05	3.96E-06	5.39E-06	2.01E-06	1.08E-05	3.96E-06
5583	475935.7	3849166	3.14E-02	3.07E-02	3.02E-02	1.09E-05	3.28E-05	1.90E-05	1.85E-05	1.68E-05	7.67E-06	7.57E-06	0.00E+00	0.00E+00	3.50E-06	6.30E-07	3.99E-06	6.16E-07	5.86E-07	9.32E-06	9.91E-06	3.64E-06	4.95E-06	1.85E-06	9.91E-06	3.64E-06
5584	476027.7	3849180	3.14E-02	3.06E-02	3.02E-02	1.09E-05	3.28E-05	1.90E-05	1.85E-05	1.68E-05	7.66E-06	7.56E-06	0.00E+00	0.00E+00	3.49E-06	6.29E-07	3.99E-06	6.15E-07	5.85E-07	9.31E-06	9.90E-06	3.63E-06	4.94E-06	1.85E-06	9.90E-06	3.63E-06
5585	476119.7	3849195	3.28E-02	3.20E-02	3.16E-02	1.13E-05	3.43E-05	1.98E-05	1.94E-05	1.75E-05	8.00E-06	7.90E-06	0.00E+00	0.00E+00	3.65E-06	6.57E-07	4.17E-06	6.43E-07	6.12E-07	9.73E-06	1.03E-05	3.79E-06	5.16E-06	1.93E-06	1.03E-05	3.79E-06
5586	476211.7	3849209	3.24E-02	3.16E-02	3.12E-02	1.12E-05	3.39E-05	1.96E-05	1.91E-05	1.73E-05	7.91E-06	7.81E-06	0.00E+00	0.00E+00	3.61E-06	6.49E-07	4.12E-06	6.35E-07	6.04E-07	9.61E-06	1.02E-05	3.75E-06	5.10E-06	1.91E-06	1.02E-05	3.75E-06
5587	476497.8	3849284	4.24E-02	4.14E-02	4.09E-02	1.47E-05	4.44E-05	2.57E-05	2.51E-05	2.27E-05	1.04E-05	1.02E-05	0.00E+00	0.00E+00	4.72E-06	8.51E-07	5.40E-06	8.32E-07	7.92E-07	1.26E-05	1.34E-05	4.91E-06	6.69E-06	2.50E-06	1.34E-05	4.91E-06
5588	476603.7	3849324	4.22E-02	4.12E-02	4.07E-02	1.46E-05	4.41E-05	2.56E-05	2.49E-05	2.26E-05	1.03E-05	1.02E-05	0.00E+00	0.00E+00	4.70E-06	8.47E-07	5.37E-06	8.28E-07	7.88E-07	1.25E-05	1.33E-05	4.89E-06	6.65E-06	2.49E-06	1.33E-05	4.89E-06
5589	476729	3849383	3.89E-02	3.80E-02	3.74E-02	1.35E-05	4.06E-05	2.35E-05	2.30E-05	2.08E-05	9.50E-06	9.37E-06	0.00E+00	0.00E+00	4.33E-06	7.79E-07	4.95E-06	7.63E-07	7.26E-07	1.15E-05	1.23E-05	4.50E-06	6.13E-06	2.29E-06	1.23E-05	4.50E-06
5590	476801.3	3849419	3.88E-02	3.79E-02	3.74E-02	1.34E-05	4.06E-05	2.35E-05	2.29E-05	2.08E-05	9.48E-06	9.35E-06	0.00E+00	0.00E+00	4.32E-06	7.78E-07	4.94E-06	7.61E-07	7.24E-07	1.15E-05	1.22E-05	4.49E-06	6.11E-06	2.28E-06	1.22E-05	4.49E-06
5591	476956.2	3849495	3.87E-02	3.78E-02	3.73E-02	1.34E-05	4.05E-05	2.34E-05	2.29E-05	2.07E-05	9.46E-06	9.33E-06	0.00E+00	0.00E+00	4.31E-06	7.76E-07	4.93E-06	7.60E-07	7.23E-07	1.15E-05	1.22E-05	4.48E-06	6.10E-06	2.28E-06	1.22E-05	4.48E-06
5592	477038.8	3849536	3.92E-02	3.83E-02	3.78E-02	1.36E-05	4.10E-05	2.37E-05	2.32E-05	2.10E-05	9.58E-06	9.45E-06	0.00E+00	0.00E+00	4.37E-06	7.86E-07	4.99E-06	7.69E-07	7.32E-07	1.16E-05	1.24E-05	4.54E-06	6.18E-06	2.31E-06	1.24E-05	4.54E-06
5593	477121.5	3849576	3.90E-02	3.81E-02	3.76E-02	1.35E-05	4.08E-05	2.36E-05	2.30E-05	2.09E-05	9.53E-06	9.40E-06	0.00E+00	0.00E+00	4.34E-06	7.82E-07	4.96E-06	7.65E-07	7.28E-07	1.16E-05	1.23E-05	4.51E-06	6.14E-06	2.30E-06	1.23E-05	4.51E-06
5594	477204.1	3849617	3.92E-02	3.82E-02	3.77E-02	1.36E-05	4.10E-05	2.37E-05	2.31E-05	2.10E-05	9.57E-06	9.44E-06	0.00E+00	0.00E+00	4.36E-06	7.85E-07	4.98E-06	7.68E-07	7.31E-07	1.16E-05	1.24E-05	4.54E-06	6.17E-06	2.31E-06	1.24E-05	4.54E-06
5595	477286.8	3849657	3.68E-02	3.59E-02	3.54E-02	1.27E-05	3.84E-05	2.22E-05	2.17E-05	1.97E-05	8.98E-06	8.86E-06	0.00E+00	0.00E+00	4.09E-06	7.37E-07	4.68E-06	7.21E-07	6.86E-07	1.09E-05	1.16E-05	4.26E-06	5.79E-06	2.16E-06	1.16E-05	4.26E-06
5596	477369.4	3849698	3.91E-02	3.81E-02	3.76E-02	1.35E-05	4.09E-05	2.36E-05	2.31E-05	2.09E-05	9.55E-06	9.42E-06	0.00E+00	0.00E+00	4.35E-06	7.83E-07	4.97E-06	7.66E-07	7.29E-07	1.16E-05	1.23E-05	4.52E-06	6.16E-06	2.30E-06	1.23E-05	4.52E-06
5597	477452.1	3849738	3.90E-02	3.81E-02	3.75E-02	1.35E-05	4.08E-05	2.36E-05	2.30E-05	2.09E-05	9.52E-06	9.40E-06	0.00E+00	0.00E+00	4.34E-06	7.81E-07	4.96E-06	7.65E-07	7.28E-07	1.16E-05	1.23E-05	4.51E-06	6.14E-06	2.30E-06	1.23E-05	4.51E-06
5598	477534.7	3849779	4.02E-02	3.92E-02	3.87E-02	1.39E-05	4.20E-05	2.43E-05	2.37E-05	2.15E-05	9.81E-06	9.68E-06	0.00E+00	0.00E+00	4.47E-06	8.05E-07	5.11E-06	7.87E-07	7.49E-07	1.19E-05	1.27E-05	4.65E-06	6.33E-06	2.36E-06	1.27E-05	4.65E-06
5599	477617.4	3849819	4.00E-02	3.90E-02	3.85E-02	1.38E-05	4.18E-05	2.42E-05	2.36E-05	2.14E-05	9.76E-06	9.63E-06	0.00E+00	0.00E+00	4.45E-06	8.01E-07	5.08E-06	7.84E-07	7.46E-07	1.19E-05	1.26E-05	4.63E-06	6.30E-06	2.35E-06	1.26E-05	4.63E-06
5600	477824.7	3849896	2.63E-02	2.57E-02	2.53E-02	9.10E-06	2.75E-05	1.59E-05	1.55E-05	1.41E-05	6.42E-06	6.34E-06	0.00E+00	0.00E+00	2.93E-06	5.27E-07	3.34E-06	5.16E-07	4.91E-07	7.80E-06	8.30E-06	3.04E-06	4.14E-06	1.55E-06	8.30E-06	3.04E-06
5601	477906.3	3849936	2.70E-02	2.63E-02	2.60E-02	9.35E-06	2.82E-05	1.63E-05	1.59E-05	1.44E-05	6.59E-06	6.51E-06	0.00E+00	0.00E+00	3.01E-06	5.41E-07	3.43E-06	5.29E-07	5.04E-07	8.01E-06	8.52E-06	3.13E-06	4.25E-06	1.59E-06	8.52E-06	3.13E-06
5602	477987.9	3849976	2.71E-02	2.64E-02	2.61E-02	9.37E-06	2.83E-05	1.64E-05	1.60E-05	1.45E-05	6.61E-06	6.52E-06	0.00E+00	0.00E+00	3.01E-06	5.42E-07	3.44E-06	5.31E-07	5.05E-07	8.03E-06	8.54E-06	3.13E-06	4.26E-06	1.59E-06	8.54E-06	3.13E-06
5603	478069.5	3850016	2.73E-02	2.66E-02	2.63E-02	9.45E-06	2.85E-05	1.65E-05	1.61E-05	1.46E-05	6.67E-06	6.58E-06	0.00E+00	0.00E+00	3.04E-06	5.47E-07	3.47E-06	5.35E-07	5.09E-07	8.10E-06	8.62E-06	3.16E-06	4.30E-06	1.61E-06	8.62E-06	3.16E-06
5604	478151	3850056	2.74E-02	2.67E-02	2.64E-02	9.49E-06	2.86E-05	1.66E-05	1.62E-05	1.47E-05	6.69E-06	6.60E-06	0.00E+00	0.00E+00	3.05E-06	5.49E-07	3.48E-06	5.37E-07	5.11E-07	8.13E-06	8.65E-06	3.17E-06	4.32E-06	1.61E-06	8.65E-06	3.17E-06
5605	478232.6	3850096	2.77E-02	2.70E-02	2.66E-02	9.58E-06	2.89E-05	1.67E-05	1.63E-05	1.48E-05	6.76E-06	6.67E-06	0.00E+00	0.00E+00	3.08E-06	5.54E-07	3.52E-06	5.43E-07	5.16E-07	8.21E-06	8.73E-06	3.20E-06	4.36E-06	1.63E-06	8.73E-06	3.20E-06
5606	478314.2	3850136	2.77E-02	2.71E-02	2.67E-02	9.60E-06	2.90E-05	1.68E-05	1.64E-05	1.48E-05	6.77E-06	6.68E-06	0.00E+00	0.00E+00	3.09E-06	5.56E-07	3.53E-06	5.44E-07	5.18E-07	8.23E-06	8.75E-06	3.21E-06	4.37E-06	1.63E-06	8.75E-06	3.21E-06
5607	478395.8	3850176	2.78E-02	2.71E-02	2.67E-02	9.62E-06	2.90E-05	1.68E-05	1.64E-05	1.49E-05	6.78E-06	6.69E-06	0.00E+00	0.00E+00	3.09E-06	5.57E-07	3.53E-06	5.45E-07	5.18E-07	8.24E-06	8.77E-06	3.22E-06	4.38E-06	1.64E-06	8.77E-06	3.22E-06
5608	478575.4	3850244	2.13E-02	2.07E-02	2.05E-02	7.36E-06	2.22E-05	1.29E-05	1.26E-05	1.14E-05	5.19E-06	5.12E-06	0.00E+00	0.00E+00	2.37E-06	4.26E-07	2.70E-06	4.17E-07	3.97E-07	6.31E-06	6.71E-06	2.46E-06	3.35E-06	1.25E-06	6.71E-06	2.46E-06
5609	478665.1	3850287	2.10E-02	2.05E-02	2.02E-02	7.28E-06	2.20E-05	1.27E-05	1.24E-05	1.12E-05	5.13E-06	5.06E-06	0.00E+00	0.00E+00	2.34E-06	4.21E-07	2.67E-06	4.12E-07	3.92E-07	6.24E-06	6.63E-06	2.43E-06	3.31E-06	1.24E-06	6.63E-06	2.43E-06
5610	478754.7	3850330	2.08E-02	2.03E-02	2.00E-02	7.18E-06	2.17E-05	1.26E-05	1.23E-05	1.11E-05	5.07E-06	5.00E-06	0.00E+00	0.00E+00	2.31E-06	4.16E-07	2.64E-06	4.07E-07	3.87E-07	6.16E-06	6.55E-06	2.40E-06	3.27E-06	1.22E-06	6.55E-06	2.40E-06
5611	478844.3	3850373	2.03E-02	1.99E-02	1.96E-02	7.04E-06	2.13E-05	1.23E-05	1.20E-05	1.09E-05	4.97E-06	4.90E-06	0.00E+00	0.00E+00	2.26E-06	4.08E-07	2.59E-06	3.99E-07	3.80E-07	6.04E-06	6.42E-06	2.36E-06	3.21E-06	1.20E-06	6.42E-06	2.36E-06
5612	478934	3850416	1.99E-02	1.94E-02	1.91E-02	6.88E-06	2.08E-05	1.20E-05	1.17E-05	1.06E-05	4.85E-06	4.79E-06	0.00E+00	0.00E+00	2.21E-06	3.98E-07	2.53E-06	3.90E-07	3.71E-07	5.90E-06	6.27E-06	2.30E-06	3.13E-06	1.17E-06	6.27E-06	2.30E-06
5613	479023.6	3850459	2.01E-02	1.96E-02	1.93E-02	6.95E-06	2.10E-05	1.21E-05	1.19E-05	1.07E-05	4.90E-06	4.84E-06	0.00E+00	0.00E+00	2.23E-06	4.02E-07	2.55E-06	3.94E-07	3.75E-07	5.96E-06	6.34E-06	2.32E-06	3.16E-06	1.18E-06	6.34E-06	2.32E-06
5614	479110.7	3850442	1.15E-02	1.12E-02	1.10E-02	3.97E-06	1.20E-05	6.94E-06	6.77E-06	6.14E-06	2.80E-06	2.76E-06	0.00E+00	0.00E+00	1.28E-06	2.30E-07	1.46E-06	2.25E-07	2.14E-07	3.40E-06	3.62E-06	1.33E-06	1.81E-06	6.75E-07	3.62E-06	1.33E-06

5615	479191.2	3850424	8.07E-03	7.88E-03	7.77E-03	2.80E-06	8.44E-06	4.89E-06	4.77E-06	4.32E-06	1.97E-06	1.95E-06	0.00E+00	0.00E+00	8.99E-07	1.62E-07	1.03E-06	1.58E-07	1.51E-07	2.40E-06	2.55E-06	9.35E-07	1.27E-06	4.75E-07	2.55E-06	9.35E-07
5616	479274.3	3850466	8.16E-03	7.96E-03	7.86E-03	2.82E-06	8.53E-06	4.94E-06	4.82E-06	4.37E-06	1.99E-06	1.97E-06	0.00E+00	0.00E+00	9.08E-07	1.64E-07	1.04E-06	1.60E-07	1.52E-07	2.42E-06	2.57E-06	9.44E-07	1.29E-06	4.80E-07	2.57E-06	9.44E-07
5617	479357.4	3850507	8.23E-03	8.03E-03	7.92E-03	2.85E-06	8.60E-06	4.98E-06	4.86E-06	4.40E-06	2.01E-06	1.98E-06	0.00E+00	0.00E+00	9.16E-07	1.65E-07	1.05E-06	1.61E-07	1.54E-07	2.44E-06	2.60E-06	9.53E-07	1.30E-06	4.84E-07	2.60E-06	9.53E-07
5618	479440.5	3850549	8.21E-03	8.02E-03	7.91E-03	2.84E-06	8.59E-06	4.97E-06	4.85E-06	4.40E-06	2.01E-06	1.98E-06	0.00E+00	0.00E+00	9.14E-07	1.65E-07	1.04E-06	1.61E-07	1.53E-07	2.44E-06	2.59E-06	9.51E-07	1.29E-06	4.84E-07	2.59E-06	9.51E-07
5619	479523.6	3850591	8.22E-03	8.02E-03	7.92E-03	2.85E-06	8.60E-06	4.98E-06	4.86E-06	4.40E-06	2.01E-06	1.98E-06	0.00E+00	0.00E+00	9.15E-07	1.65E-07	1.05E-06	1.61E-07	1.53E-07	2.44E-06	2.60E-06	9.52E-07	1.30E-06	4.84E-07	2.60E-06	9.52E-07
5620	479606.7	3850633	8.29E-03	8.09E-03	7.98E-03	2.87E-06	8.66E-06	5.01E-06	4.89E-06	4.44E-06	2.02E-06	2.00E-06	0.00E+00	0.00E+00	9.22E-07	1.66E-07	1.05E-06	1.63E-07	1.55E-07	2.46E-06	2.62E-06	9.59E-07	1.31E-06	4.88E-07	2.62E-06	9.59E-07
5621	479777.4	3850708	7.89E-03	7.70E-03	7.59E-03	2.73E-06	8.24E-06	4.77E-06	4.66E-06	4.22E-06	1.93E-06	1.90E-06	0.00E+00	0.00E+00	8.78E-07	1.58E-07	1.00E-06	1.55E-07	1.47E-07	2.34E-06	2.49E-06	9.13E-07	1.24E-06	4.64E-07	2.49E-06	9.13E-07
5622	479864.9	3850741	7.55E-03	7.36E-03	7.27E-03	2.61E-06	7.89E-06	4.57E-06	4.46E-06	4.04E-06	1.84E-06	1.82E-06	0.00E+00	0.00E+00	8.40E-07	1.51E-07	9.60E-07	1.48E-07	1.41E-07	2.24E-06	2.38E-06	8.73E-07	1.19E-06	4.44E-07	2.38E-06	8.73E-07
5623	479931.9	3850830	1.04E-02	1.02E-02	1.00E-02	3.61E-06	1.09E-05	6.31E-06	6.16E-06	5.58E-06	2.55E-06	2.51E-06	0.00E+00	0.00E+00	1.16E-06	2.09E-07	1.33E-06	2.05E-07	1.95E-07	3.10E-06	3.29E-06	1.21E-06	1.64E-06	6.14E-07	3.29E-06	1.21E-06
5624	479995.6	3850927	1.87E-02	1.82E-02	1.80E-02	6.46E-06	1.95E-05	1.13E-05	1.10E-05	9.99E-06	4.56E-06	4.50E-06	0.00E+00	0.00E+00	2.08E-06	3.74E-07	2.37E-06	3.66E-07	3.48E-07	5.54E-06	5.89E-06	2.16E-06	2.94E-06	1.10E-06	5.89E-06	2.16E-06
5625	480079.8	3850969	1.87E-02	1.82E-02	1.80E-02	6.46E-06	1.95E-05	1.13E-05	1.10E-05	9.98E-06	4.56E-06	4.49E-06	0.00E+00	0.00E+00	2.08E-06	3.74E-07	2.37E-06	3.66E-07	3.48E-07	5.54E-06	5.89E-06	2.16E-06	2.94E-06	1.10E-06	5.89E-06	2.16E-06
5626	480164	3851011	1.87E-02	1.83E-02	1.80E-02	6.48E-06	1.96E-05	1.13E-05	1.10E-05	1.00E-05	4.57E-06	4.51E-06	0.00E+00	0.00E+00	2.08E-06	3.75E-07	2.38E-06	3.67E-07	3.49E-07	5.55E-06	5.90E-06	2.17E-06	2.95E-06	1.10E-06	5.90E-06	2.17E-06
5627	480248.2	3851052	1.86E-02	1.82E-02	1.80E-02	6.45E-06	1.95E-05	1.13E-05	1.10E-05	9.98E-06	4.55E-06	4.49E-06	0.00E+00	0.00E+00	2.08E-06	3.74E-07	2.37E-06	3.66E-07	3.48E-07	5.53E-06	5.89E-06	2.16E-06	2.94E-06	1.10E-06	5.89E-06	2.16E-06
5628	480332.5	3851094	1.89E-02	1.84E-02	1.82E-02	6.53E-06	1.97E-05	1.14E-05	1.11E-05	1.01E-05	4.60E-06	4.54E-06	0.00E+00	0.00E+00	2.10E-06	3.78E-07	2.40E-06	3.70E-07	3.52E-07	5.59E-06	5.95E-06	2.18E-06	2.97E-06	1.11E-06	5.95E-06	2.18E-06
5629	480416.7	3851136	1.92E-02	1.88E-02	1.85E-02	6.66E-06	2.01E-05	1.16E-05	1.14E-05	1.03E-05	4.70E-06	4.63E-06	0.00E+00	0.00E+00	2.14E-06	3.85E-07	2.45E-06	3.77E-07	3.59E-07	5.71E-06	6.07E-06	2.23E-06	3.03E-06	1.13E-06	6.07E-06	2.23E-06
5630	480580	3851215	1.90E-02	1.86E-02	1.83E-02	6.58E-06	1.99E-05	1.15E-05	1.12E-05	1.02E-05	4.65E-06	4.58E-06	0.00E+00	0.00E+00	2.12E-06	3.81E-07	2.42E-06	3.73E-07	3.55E-07	5.65E-06	6.00E-06	2.20E-06	3.00E-06	1.12E-06	6.00E-06	2.20E-06
5631	480659	3851252	1.86E-02	1.82E-02	1.80E-02	6.45E-06	1.95E-05	1.13E-05	1.10E-05	9.98E-06	4.55E-06	4.49E-06	0.00E+00	0.00E+00	2.08E-06	3.74E-07	2.37E-06	3.66E-07	3.48E-07	5.53E-06	5.88E-06	2.16E-06	2.94E-06	1.10E-06	5.88E-06	2.16E-06
5632	480817.4	3851328	1.82E-02	1.78E-02	1.75E-02	6.31E-06	1.90E-05	1.10E-05	1.08E-05	9.75E-06	4.45E-06	4.39E-06	0.00E+00	0.00E+00	2.03E-06	3.65E-07	2.32E-06	3.57E-07	3.40E-07	5.41E-06	5.75E-06	2.11E-06	2.87E-06	1.07E-06	5.75E-06	2.11E-06
5633	480896.7	3851366	1.81E-02	1.77E-02	1.74E-02	6.27E-06	1.89E-05	1.10E-05	1.07E-05	9.69E-06	4.42E-06	4.36E-06	0.00E+00	0.00E+00	2.02E-06	3.63E-07	2.30E-06	3.55E-07	3.38E-07	5.38E-06	5.72E-06	2.10E-06	2.85E-06	1.07E-06	5.72E-06	2.10E-06
5634	480976.1	3851405	1.80E-02	1.76E-02	1.73E-02	6.23E-06	1.88E-05	1.09E-05	1.06E-05	9.63E-06	4.40E-06	4.34E-06	0.00E+00	0.00E+00	2.00E-06	3.61E-07	2.29E-06	3.53E-07	3.36E-07	5.34E-06	5.68E-06	2.08E-06	2.84E-06	1.06E-06	5.68E-06	2.08E-06
5635	481178	3851487	1.45E-02	1.41E-02	1.39E-02	5.01E-06	1.51E-05	8.76E-06	8.55E-06	7.75E-06	3.54E-06	3.49E-06	0.00E+00	0.00E+00	1.61E-06	2.90E-07	1.84E-06	2.84E-07	2.70E-07	4.30E-06	4.57E-06	1.68E-06	2.28E-06	8.52E-07	4.57E-06	1.68E-06
5636	481244.9	3851557	1.79E-02	1.75E-02	1.73E-02	6.21E-06	1.88E-05	1.09E-05	1.06E-05	9.61E-06	4.38E-06	4.33E-06	0.00E+00	0.00E+00	2.00E-06	3.60E-07	2.28E-06	3.52E-07	3.35E-07	5.33E-06	5.67E-06	2.08E-06	2.83E-06	1.06E-06	5.67E-06	2.08E-06
5637	481311.8	3851627	2.05E-02	2.01E-02	1.98E-02	7.11E-06	2.15E-05	1.24E-05	1.21E-05	1.10E-05	5.02E-06	4.95E-06	0.00E+00	0.00E+00	2.29E-06	4.12E-07	2.61E-06	4.03E-07	3.83E-07	6.10E-06	6.49E-06	2.38E-06	3.24E-06	1.21E-06	6.49E-06	2.38E-06
5638	481378.7	3851697	1.97E-02	1.92E-02	1.90E-02	6.83E-06	2.06E-05	1.19E-05	1.16E-05	1.06E-05	4.82E-06	4.75E-06	0.00E+00	0.00E+00	2.20E-06	3.95E-07	2.51E-06	3.87E-07	3.68E-07	5.85E-06	6.23E-06	2.28E-06	3.11E-06	1.16E-06	6.23E-06	2.28E-06
5639	481445.6	3851767	1.95E-02	1.90E-02	1.88E-02	6.75E-06	2.04E-05	1.18E-05	1.15E-05	1.04E-05	4.76E-06	4.70E-06	0.00E+00	0.00E+00	2.17E-06	3.91E-07	2.48E-06	3.82E-07	3.64E-07	5.79E-06	6.15E-06	2.26E-06	3.07E-06	1.15E-06	6.15E-06	2.26E-06
5640	481512.5	3851837	1.95E-02	1.90E-02	1.88E-02	6.74E-06	2.04E-05	1.18E-05	1.15E-05	1.04E-05	4.76E-06	4.69E-06	0.00E+00	0.00E+00	2.17E-06	3.90E-07	2.48E-06	3.82E-07	3.63E-07	5.78E-06	6.15E-06	2.25E-06	3.07E-06	1.15E-06	6.15E-06	2.25E-06
5641	481579.4	3851906	1.94E-02	1.89E-02	1.86E-02	6.70E-06	2.02E-05	1.17E-05	1.14E-05	1.04E-05	4.73E-06	4.66E-06	0.00E+00	0.00E+00	2.15E-06	3.88E-07	2.46E-06	3.80E-07	3.61E-07	5.74E-06	6.11E-06	2.24E-06	3.05E-06	1.14E-06	6.11E-06	2.24E-06
5642	481646.3	3851976	1.95E-02	1.90E-02	1.88E-02	6.76E-06	2.04E-05	1.18E-05	1.15E-05	1.04E-05	4.77E-06	4.70E-06	0.00E+00	0.00E+00	2.17E-06	3.91E-07	2.48E-06	3.83E-07	3.64E-07	5.79E-06	6.16E-06	2.26E-06	3.07E-06	1.15E-06	6.16E-06	2.26E-06
5643	481713.2	3852046	1.94E-02	1.89E-02	1.87E-02	6.71E-06	2.03E-05	1.17E-05	1.14E-05	1.04E-05	4.73E-06	4.67E-06	0.00E+00	0.00E+00	2.16E-06	3.88E-07	2.46E-06	3.80E-07	3.62E-07	5.75E-06	6.12E-06	2.24E-06	3.05E-06	1.14E-06	6.12E-06	2.24E-06
5644	481780.1	3852116	1.95E-02	1.91E-02	1.88E-02	6.77E-06	2.04E-05	1.18E-05	1.15E-05	1.05E-05	4.77E-06	4.71E-06	0.00E+00	0.00E+00	2.18E-06	3.92E-07	2.49E-06	3.83E-07	3.65E-07	5.80E-06	6.17E-06	2.26E-06	3.08E-06	1.15E-06	6.17E-06	2.26E-06
5645	481847	3852186	1.98E-02	1.93E-02	1.91E-02	6.86E-06	2.07E-05	1.20E-05	1.17E-05	1.06E-05	4.84E-06	4.77E-06	0.00E+00	0.00E+00	2.21E-06	3.97E-07	2.52E-06	3.89E-07	3.70E-07	5.88E-06	6.25E-06	2.29E-06	3.12E-06	1.17E-06	6.25E-06	2.29E-06
5646	481913.9	3852256	2.00E-02	1.95E-02	1.92E-02	6.91E-06	2.09E-05	1.21E-05	1.18E-05	1.07E-05	4.87E-06	4.81E-06	0.00E+00	0.00E+00	2.22E-06	4.00E-07	2.54E-06	3.91E-07	3.72E-07	5.92E-06	6.30E-06	2.31E-06	3.14E-06	1.18E-06	6.30E-06	2.31E-06
5647	481980.8	3852326	2.02E-02	1.97E-02	1.94E-02	6.99E-06	2.11E-05	1.22E-05	1.19E-05	1.08E-05	4.93E-06	4.87E-06	0.00E+00	0.00E+00	2.25E-06	4.05E-07	2.57E-06	3.96E-07	3.77E-07	5.99E-06	6.37E-06	2.34E-06	3.18E-06	1.19E-06	6.37E-06	2.34E-06
5648	482047.7	3852396	2.03E-02	1.98E-02	1.95E-02	7.01E-06	2.12E-05	1.23E-05	1.20E-05	1.08E-05	4.95E-06	4.88E-06	0.00E+00	0.00E+00	2.26E-06	4.06E-07	2.58E-06	3.97E-07	3.78E-07	6.01E-06	6.39E-06	2.35E-06	3.19E-06	1.19E-06	6.39E-06	2.35E-06
5649	482114.6	3852465	2.03E-02	1.98E-02	1.95E-02	7.02E-06	2.12E-05	1.23E-05	1.20E-05	1.08E-05	4.95E-06	4.88E-06	0.00E+00	0.00E+00	2.26E-06	4.06E-07	2.58E-06	3.97E-07	3.78E-07	6.02E-06	6.40E-06	2.35E-06	3.19E-06	1.19E-06	6.40E-06	2.35E-06
5650	482181.5	3852535	2.06E-02	2.01E-02	1.98E-02	7.11E-06	2.15E-05	1.24E-05	1.21E-05	1.10E-05	5.02E-06	4.95E-06	0.00E+00	0.00E+00	2.29E-06	4.12E-07	2.61E-06	4.03E-07	3.83E-07	6.10E-06	6.49E-06	2.38E-06	3.24E-06	1.21E-06	6.49E-06	2.38E-06
5651	482338.7	3852700	2.10E-02	2.05E-02	2.02E-02	7.27E-06	2.20E-05	1.27E-05	1.24E-05	1.12E-05	5.13E-06	5.06E-06	0.00E+00	0.00E+00	2.34E-06	4.21E-07	2.67E-06	4.12E-07	3.92E-07	6.24E-06	6.63E-06	2.43E-06	3.31E-06	1.24E-06	6.63E-06	2.43E-06
5652	482404.1	3852768	2.09E-02	2.04E-02	2.01E-02	7.22E-06	2.18E-05	1.26E-05	1.23E-05	1.12E-05	5.10E-06	5.03E-06	0.00E+00	0.00E+00	2.32E-06	4.18E-07	2.65E-06	4.09E-07	3.89E-07	6.19E-06	6.58E-06	2.42E-06	3.29E-06	1.23E-06	6.58E-06	2.42E-06
5653	482469.4	3852836	2.10E-02	2.05E-02	2.02E-02	7.26E-06	2.19E-05	1.27E-05	1.24E-05	1.12E-05	5.12E-06	5.06E-06	0.00E+00	0.00E+00	2.34E-06	4.20E-07	2.67E-06	4.11E-07	3.91E-07	6.23E-06	6.62E-06	2.43E-06	3.31E-06	1.24E-06	6.62E-06	2.43E-06
5654	482534.8	3852903	2.10E-02	2.05E-02	2.02E-02	7.26E-06	2.19E-05	1.27E-05	1.24E-05	1.12E-05	5.12E-06	5.05E-06	0.00E+00	0.00E+00	2.33E-06	4.20E-07	2.67E-06	4.11E-07	3.91E-07	6.22E-06	6.62E-06	2.43E-06	3.30E-06	1.23E-06	6.62E-06	2.43E-06
5655	482600.1	3852971	2.05E-02	2.00E-02	1.97E-02	7.10E-06	2.14E-05	1.24E-05	1.21E-05	1.10E-05	5.01E-06	4.94E-06	0.00E+00	0.00E+00	2.28E-06	4.11E-07	2.61E-06	4.02E-07	3.83E-07	6.08E-06	6.47E-06	2.37E-06	3.23E-06	1.21E-06	6.47E-06	2.37E-06
5656	482706.7	3853119	1.67E-02	1.63E-02	1.61E-02	5.78E-06	1.74E-05	1.01E-05	9.85E-06	8.93E-06	4.08E-06	4.02E-06	0.00E+00	0.00E+00	1.86E-06	3.34E-07	2.12E-06	3.27E-07	3.11E-07	4.95E-06	5.27E-06	1.93E-06	2.63E-06	9.82E-07	5.27E-06	1.93E-06
5657	482748	3853200	1.69E-02	1.65E-02	1.63E-02	5.86E-06	1.77E-05	1.02E-05	9.99E-06	9.05E-06	4.13E-06	4.08E-06	0.00E+00	0.00E+00	1.88E-06	3.39E-07	2.15E-06	3.32E-07	3.16E-07	5.02E-06	5.34E-06	1.96E-06	2.67E-06	9.96E-07	5.34E-06	1.96E-06
5658	482789.2	3853280	1.61E-02	1.57E-02	1.55E-02	5.57E-06	1.68E-05	9.73E-06	9.49E-06	8.61E-06	3.93E-06	3.87E-06	0.00E+00	0.00E+00	1.79E-06	3.22E-07	2.04E-06	3.15E-07	3.00E-07	4.77E-06	5.08E-06	1.86E-06	2.53E-06	9.47E-07	5.08E-06	1.86E-06
5659	482830.5	3853361	1.40E-02	1.36E-02	1.35E-02	4.84E-06	1.46E-05	8.46E-06	8.26E-06	7.48E-06	3.42E-06	3.37E-06	0.00E+00	0.00E+00	1.56E-06	2.80E-07	1.78E-06	2.74E-07	2.61E-07	4.15E-06	4.41E-06	1.62E-06	2.20E-06	8.23E-07	4.41E-06	1.62E-06
5660	482871.7	3853442	1.23E-02	1.20E-02	1.19E-02	4.27E-06	1.29E-05	7.46E-06	7.28E-06	6.60E-06	3.01E-06	2.97E-06	0.00E+00	0.00E+00	1.37E-06	2.47E-07	1.57E-06	2.42E-07	2.30E-07	3.66E-06	3.89E-06	1.43E-06	1.94E-06	7.26E-07	3.89E-06	1.43E-06
5661	482913	3853522	1.12E-02	1.09E-02	1.08E-02	3.87E-06	1.17E-05	6.77E-06	6.61E-06	5.99E-06	2.73E-06	2.70E-06	0.00E+00	0.00E+00	1.25E-06	2.24E-07	1.42E-06	2.19E-07	2.09E-07	3.32E-06	3.53E-06	1.30E-06	1.76E-06	6.59E-07	3.53E-06	1.30E-06
5662	482954.2	3853603	1.00E-02	9.77E-03	9.65E-03	3.47E-06	1.05E-05	6.06E-06	5.91E-06	5.36E-06	2.45E-06	2.41E-06	0.00E+00	0.00E+00	1.12E-06	2.01E-07	1.27E-06	1.96E-07	1.87E-07	2.97E-06	3.16E-06	1.16E-06	1.58E-06	5.90E-07	3.16E-06	1.16E-06
5663	482995.5	3853683	9.10E-03	8.88E-03	8.76E-03	3.15E-06	9.51E-06	5.51E-06	5.37E-06	4.87E-06	2.22E-06	2.19E-06	0.00E+00	0.00E+00	1.01E-06	1.82E-07	1.16E-06	1.78E-07	1.70E-07	2.70E-06	2.87E-06	1.05E-06	1.43E-06	5.36E-07	2.87E-06	1.05E-06
5664	483036.7	3853764	8.41E-03	8.21E-03	8.10E-03	2.91E-06	8.79E-06	5.09E-06	4.97E-06	4.50E-06	2.05E-06	2.03E-06	0.00E+00	0.00E+00	9.36E-07	1.69E-07	1.07E-06	1.65E-07	1.57E-07	2.50E-06	2.65E-06	9.74E-07	1.33E-06	4.95E-07	2.65E-06	9.74E-07
5665	483214.2	3853910	4.71E-03	4.59E-03	4.53E-03	1.63E-06	4.92E-06	2.85E-06	2.78E-06	2.52E-06	1.15E-06	1.13E-06	0.00E+00	0.00E+00	5.24E-07	9.43E-08	5.99E-07	9.23E-08	8.78E-08	1.40E-06	1.49E-06	5.45E-07	7.41E-07	2.77E-07	1.49E-06	5.45E-07
5666	483307	3853910	3.75E-03	3.66E-03	3.61E-03	1.30E-06	3.92E-06	2.27E-06	2.21E-06	2.01E-06	9.15E-07	9.03E-07	0.00E+00	0.00E+00	4.17E-07	7.51E-08	4.76E-07	7.35E-08	6.99E-08	1.11E-06	1.18E-06	4.34E-07	5.90E-07	2.21E-07	1.18E-06	4.34E-07
5667	483399.8	3853911	3.12E-03	3.04E-03	3.00E-03	1.08E-06	3.26E-06	1.88E-06	1.84E-06	1.67E-06	7.61E-07	7.51E-07	0.00E+00	0.00E+00	3.47E-07	6.24E-08	3.96E-07	6.11E-08	5.81E-08	9.25E-07	9.83E-07	3.61E-07	4.91E-07	1.83E-07	9.83E-07	3.61E-07
5668	483494.5	3854009	3.20E-03	3.12E-03	3.08E-03	1.11E-06	3.35E-06	1.94E-06	1.89E-06	1.71E-06	7.82E-07	7.71E-07	0.00E+00	0.00E+00	3.56E-07	6.41E-08	4.07E-07	6.28E-08	5.97E-08	9.50E-07	1.01E-06	3.70E-07	5.04E-07	1.88E-07	1.01E-06	3.70E-07
5669	483496.4	3854107	4.23E-03	4.12E-03	4.07E-03	1.46E-06	4.42E-06	2.56E-06	2.49E-06	2.26E-06	1.03E-06	1.02E-06	0.00E+00	0.00E+00	4.70E-07	8.47E-08	5.37E-07	8.29E-08	7.88E-08	1.25E-06	1.33E-06	4.89E-07	6.66E-07	2.49E-07	1.33E-06	4.89E-07
5670	483577.6	3854262	6.78E-03	6.62E-03	6.53E-03	2.35E-06	7.09E-06	4.10E-06	4.00E-06	3.63E-06	1.66E-06	1.63E-06	0.00E+00	0.00E+00	7.55E-07	1.36E-07	8.63E-07	1.33E-07	1.27E-07	2.01E-06	2.14E-06	7.85E-07	1.07E-06	3.99E-07	2.14E-06	7.85E-07
5671	483656.8	3854319	7.07E-03	6.89E-03	6.80E-03	2.45E-06	7.39E-06	4.28E-06	4.17E-06	3.78E-06	1.73E-06	1.70E-06	0.00E+00	0.00E+00	7.87E-07	1.42E-07	8.99E-07	1.39E-07	1.32E-07	2.10E-06	2.23E-06	8.18E-07	1.11E-06	4.16E-07	2.23E-06	8.18E-07
5672	483736.1	3854376	7.37E-03	7.20E-03	7.10E-03	2.55E-06	7.71E-06	4.46E-06	4.35E-06	3.95E-06	1.80E-06	1.78E-06	0.00E+00	0.00E+00	8.21E-07	1.48E-07	9.38E-07	1.45E-07	1.38E-07	2.19E-06	2.33E-06	8.54E-07	1.16E-06	4.34E-07	2.33E-06	8.54E-07
5673	483815.4	3854434	7.81E-03	7.62E-03	7.52E-03	2.70E-06	8.16E-06	4.72E-06	4.61E-06	4.18E-06	1.91E-06	1.88E-06	0.00E+00	0.00E+00	8.69E-07	1.56E-07	9.93E-07	1.53E-07	1.46E-07	2.32E-06	2.46E-06	9.04E-07	1.23E-06	4.59E-07	2.46E-06	9.04E-07
5674	483894.6	3854491	8.31E-03	8.11E-03	8.00E-03	2.88E-06	8.68E-06	5.03E-06	4.91E-06	4.45E-06	2.03E-06	2.00E-06	0.00E+00	0.00E+00	9.25E-07	1.66E-07	1.06E-06	1.63E-07	1.55E-07	2.47E-06	2.62E-06	9.62E-07	1.31E-06	4.89E-07	2.62E-06	9.62E-07
5675	483973.9	3854548	8.83E-03	8.62E-03	8.51E-03	3.06E-06	9.23E-06	5.35E-06	5.22E-06	4.73E-06	2.16E-06	2.13E-06	0.00E+00	0.00E+00	9.83E-07	1.77E-07	1.12E-06	1.73E-07	1.65E-07	2.62E-06	2.79E-06	1.02E-06	1.39E-06	5.20E-07	2.79E-06	1.02E-06
5676	484053.2	3854605	9.68E-03	9.45E-03	9.32E-03	3.35E-06	1.01E-05	5.86E-06	5.72E-06	5.18E-06	2.36E-06	2.33E-06	0.00E+00	0.00E+00	1.08E-06	1.94E-07	1.23E-06	1.90E-07	1.81E-07	2.87E-06	3.06E-06	1.12E-06	1.52E-06	5.70E-07	3.06E-06	1.12E-06
5677	484215	3854698	9.93E-03	9.69E-03	9.57E-03	3.44E-06	1.04E-05	6.01E-06	5.87E-06	5.32E-06	2.43E-06	2.39E-06	0.00E+00	0.00E+00	1.11E-06	1.99E-07	1.26E-06	1.95E-07	1.85E-07	2.95E-06	3.14E-06	1.15E-06	1.56E-06	5.85E-07	3.14E-06	1.15E-06
5678	484297.5	3854734	1.01E-02	9.84E-03	9.71E-03	3.49E-06	1.05E-05	6.10E-06	5.96E-06	5.40E-06	2.46E-06	2.43E-06	0.00E+00	0.00E+00	1.12E-06	2.02E-07	1.28E-06	1.98E-07	1.88E-07	2.99E-06	3.18E-06	1.17E-06	1.59E-06	5.94E-07	3.18E-06	1.17E-06
5679	484380	3854769	9.90E-03	9.66E-03	9.53E-03	3.43E-06	1.03E-05	5.99E-06	5.85E-06	5.30E-06	2.42E-06	2.39E-06	0.00E+00	0.00E+00	1.10E-06	1.98E-07	1.26E-06	1.94E-07	1.85E-07	2.94E-06	3.13E-06	1.15E-06	1.56E-06	5.83E-07	3.13E-06	1.15E-06
5680	484462.6	3854805	9.85E-03	9.61E-03	9.48E-03	3.41E-06	1.03E-05	5.96E-06	5.81E-06	5.27E-06	2.40E-06	2.37E-06	0.00E+00	0.00E+00	1.10E-06	1.97E-07	1.25E-06	1.93E-07	1.84E-07	2.92E-06	3.11E-06	1.14E-06	1.55E-06	5.80E-07	3.11E-06	1.14E-06
5681	484545.1	3854841	9.47E-03	9.24E-03	9.12E-03	3.28E-06	9.90E-06	5.73E-06	5.59E-06	5.07E-06	2.31E-06	2.28E-06	0.00E+00	0.00E+00	1.05E-06	1.90E-07	1.20E-06	1.86E-07	1.77E-07	2.81E-06	2.99E-06	1.10E-06	1.49E-06	5.58E-07	2.99E-06	1.10E-06
5682	484691.9	3854913	9.93E-03	9.69E-03	9.56E-03	3.44E-06	1.04E-05	6.01E-06	5.86E-06	5.32E-06	2.43E-06	2.39E-06	0.00E+00	0.00E+00	1.11E-06	1.99E-07	1.26E-06	1.95E-07	1.85E-07	2.95E-06	3.13E-06	1.15E-06	1.56E-06	5.85E-07	3.13E-06	1.15E-06
5683	484830.8	3855013	8.48E-03	8.28E-03	8.17E-03	2.94E-06	8.86E-06	5.13E-06	5.01E-06	4.54E-06	2.07E-06	2.04E-06	0.00E+00	0.00E+00	9.44E-07	1.70E-07	1.08E-06	1.66E-07	1.58E-07	2.52E-06	2.68E-06	9.82E-07	1.34E-06	4.99E-07	2.68E-06	9.82E-07
5684	484905.5	3855076	7.90E-03	7.71E-03	7.61E-03	2.73E-06	8.26E-06	4.78E-06	4.66E-06	4.23E-06	1.93E-06	1.90E-06	0.00E+00	0.00E+00	8.79E-07	1.58E-07	1.00E-06	1.55E-07	1.47E-07	2.34E-06	2.49E-06	9.14E-07	1.24E-06	4.65E-07	2.49E-06	9.14E-07
5685	484980.1	3855139	7.53E-03	7.34E-03	7.25E-03	2.61E-06	7.87E-06	4.55E-06	4.44E-06	4.03E-06	1.84E-06	1.81E-06	0.00E+00	0.00E+00	8.38E-07	1.51E-07	9.57E-07	1.48E-07	1.40E-07	2.23E-06	2.38E-06	8.71E-07	1.19E-06	4.43E-07	2.38E-06	8.71E-07
5686	485054.8	3855203	7.15E-03	6.97E-03	6.88E-03	2.47E-06	7.47E-06	4.32E-06	4.22E-06	3.82E-06	1.75E-06	1.72E-06	0.00E+00	0.00E+00	7.95E-07	1.43E-07	9.09E-07	1.40E-07	1.33E-07	2.12E-06	2.26E-06	8.27E-07	1.13E-06	4.21E-07	2.26E-06	8.27E-07
5687	485129.5	3855266	6.66E-03	6.50E-03	6.41E-03	2.31E-06	6.96E-06	4.03E-06	3.93E-06	3.56E-06	1.63E-06	1.60E-06	0.00E+00	0.00E+00	7.41E-07	1.33E-07	8.47E-07	1.31E-07	1.24E-07	1.98E-06	2.10E-06	7.71E-07	1.05E-06	3.92E-07	2.10E-06	7.71E-07
5688	485204.2	3855330	6.58E-03	6.42E-03	6.34E-03	2.28E-06	6.88E-06	3.98E-06	3.89E-06	3.52E-06	1.61E-06	1.59E-06	0.00E+00	0.00E+00	7.33E-07	1.32E-07	8.37E-07	1.29E-07	1.23E-07	1.95E-06	2.08E-06	7.62E-07	1.04E-06	3.87E-07	2.08E-06	7.62E-07
5689	485278.8	3855393	6.29E-03	6.13E-03	6.05E-03	2.18E-06	6.57E-06	3.80E-06	3.71E-06	3.36E-06	1.54E-06	1.51E-06	0.00E+00	0.00E+00	7.00E-07	1.26E-07	7.99E-07	1.23E-07	1.17E-07	1.87E-06	1.98E-06	7.28E-07	9.90E-07	3.70E-07	1.98E-06	7.28E-07
5690	485353.5	3855457	6.08E-03	5.93E-03	5.85E-03	2.10E-06	6.35E-06	3.68E-06	3.59E-06	3.25E-06	1.48E-06	1.47E-06	0.00E+00	0.00E+00	6.77E-07	1.22E-07	7.73E-07	1.19E-07	1.13E-07	1.80E-06	1.92E-06	7.04E-07	9.58E-07	3.58E-07	1.92E-06	7.04E-07
5691	485428.2	3855520	5.82E-03	5.68E-03	5.60E-03	2.01E-06	6.08E-06	3.52E-06	3.43E-06	3.11E-06	1.42E-06	1.40E-06	0.00E+00	0.00E+00	6.48E-07	1.17E-07	7.40E-07	1.14E-07	1.09E-07	1.73E-06	1.84E-06	6.73E-07	9.16E-07	3.42E-07	1.84E-06	6.73E-07

5692	485502.8	3855584	5.61E-03	5.48E-03	5.40E-03	1.94E-06	5.87E-06	3.40E-06	3.31E-06	3.00E-06	1.37E-06	1.35E-06	0.00E+00	0.00E+00	6.25E-07	1.12E-07	7.14E-07	1.10E-07	1.05E-07	1.67E-06	1.77E-06	6.50E-07	8.84E-07	3.30E-07	1.77E-06	6.50E-07
5693	485577.5	3855647	5.50E-03	5.37E-03	5.30E-03	1.90E-06	5.75E-06	3.33E-06	3.25E-06	2.94E-06	1.34E-06	1.33E-06	0.00E+00	0.00E+00	6.12E-07	1.10E-07	7.00E-07	1.08E-07	1.03E-07	1.63E-06	1.74E-06	6.37E-07	8.67E-07	3.24E-07	1.74E-06	6.37E-07
5694	485652.2	3855711	5.38E-03	5.25E-03	5.18E-03	1.86E-06	5.62E-06	3.26E-06	3.18E-06	2.88E-06	1.31E-06	1.30E-06	0.00E+00	0.00E+00	5.99E-07	1.08E-07	6.84E-07	1.06E-07	1.00E-07	1.60E-06	1.70E-06	6.23E-07	8.47E-07	3.17E-07	1.70E-06	6.23E-07
5695	485726.8	3855774	5.19E-03	5.07E-03	5.00E-03	1.80E-06	5.43E-06	3.14E-06	3.07E-06	2.78E-06	1.27E-06	1.25E-06	0.00E+00	0.00E+00	5.78E-07	1.04E-07	6.60E-07	1.02E-07	9.69E-08	1.54E-06	1.64E-06	6.01E-07	8.18E-07	3.06E-07	1.64E-06	6.01E-07
5696	485801.5	3855838	4.99E-03	4.87E-03	4.80E-03	1.73E-06	5.21E-06	3.02E-06	2.94E-06	2.67E-06	1.22E-06	1.20E-06	0.00E+00	0.00E+00	5.55E-07	9.99E-08	6.34E-07	9.78E-08	9.31E-08	1.48E-06	1.57E-06	5.77E-07	7.86E-07	2.94E-07	1.57E-06	5.77E-07
5697	485876.2	3855901	4.86E-03	4.74E-03	4.68E-03	1.68E-06	5.08E-06	2.94E-06	2.87E-06	2.60E-06	1.19E-06	1.17E-06	0.00E+00	0.00E+00	5.41E-07	9.74E-08	6.18E-07	9.53E-08	9.07E-08	1.44E-06	1.53E-06	5.63E-07	7.66E-07	2.86E-07	1.53E-06	5.63E-07
5698	485950.8	3855965	4.73E-03	4.61E-03	4.55E-03	1.64E-06	4.94E-06	2.86E-06	2.79E-06	2.53E-06	1.15E-06	1.14E-06	0.00E+00	0.00E+00	5.26E-07	9.47E-08	6.01E-07	9.27E-08	8.82E-08	1.40E-06	1.49E-06	5.47E-07	7.45E-07	2.78E-07	1.49E-06	5.47E-07
5699	486025.5	3856028	4.55E-03	4.44E-03	4.38E-03	1.58E-06	4.76E-06	2.76E-06	2.69E-06	2.44E-06	1.11E-06	1.10E-06	0.00E+00	0.00E+00	5.07E-07	9.13E-08	5.79E-07	8.93E-08	8.50E-08	1.35E-06	1.44E-06	5.27E-07	7.17E-07	2.68E-07	1.44E-06	5.27E-07
5700	486100.2	3856091	4.56E-03	4.45E-03	4.39E-03	1.58E-06	4.76E-06	2.76E-06	2.69E-06	2.44E-06	1.11E-06	1.10E-06	0.00E+00	0.00E+00	5.07E-07	9.13E-08	5.80E-07	8.94E-08	8.50E-08	1.35E-06	1.44E-06	5.28E-07	7.18E-07	2.68E-07	1.44E-06	5.28E-07
5701	486174.8	3856155	4.36E-03	4.25E-03	4.20E-03	1.51E-06	4.55E-06	2.64E-06	2.57E-06	2.33E-06	1.06E-06	1.05E-06	0.00E+00	0.00E+00	4.85E-07	8.73E-08	5.54E-07	8.55E-08	8.13E-08	1.29E-06	1.38E-06	5.04E-07	6.87E-07	2.57E-07	1.38E-06	5.04E-07
5702	486249.5	3856218	4.10E-03	4.01E-03	3.95E-03	1.42E-06	4.29E-06	2.48E-06	2.42E-06	2.20E-06	1.00E-06	9.89E-07	0.00E+00	0.00E+00	4.57E-07	8.23E-08	5.22E-07	8.05E-08	7.66E-08	1.22E-06	1.30E-06	4.75E-07	6.47E-07	2.42E-07	1.30E-06	4.75E-07
5703	486324.2	3856282	3.99E-03	3.89E-03	3.84E-03	1.38E-06	4.17E-06	2.41E-06	2.36E-06	2.14E-06	9.74E-07	9.61E-07	0.00E+00	0.00E+00	4.44E-07	7.99E-08	5.07E-07	7.82E-08	7.44E-08	1.18E-06	1.26E-06	4.62E-07	6.28E-07	2.35E-07	1.26E-06	4.62E-07
5704	486398.8	3856345	4.03E-03	3.93E-03	3.88E-03	1.40E-06	4.21E-06	2.44E-06	2.38E-06	2.16E-06	9.84E-07	9.71E-07	0.00E+00	0.00E+00	4.49E-07	8.08E-08	5.13E-07	7.90E-08	7.52E-08	1.20E-06	1.27E-06	4.67E-07	6.35E-07	2.37E-07	1.27E-06	4.67E-07
5705	486473.5	3856409	3.97E-03	3.87E-03	3.82E-03	1.37E-06	4.15E-06	2.40E-06	2.34E-06	2.12E-06	9.69E-07	9.56E-07	0.00E+00	0.00E+00	4.42E-07	7.95E-08	5.04E-07	7.78E-08	7.40E-08	1.18E-06	1.25E-06	4.59E-07	6.25E-07	2.34E-07	1.25E-06	4.59E-07
5706	486548.2	3856472	3.95E-03	3.85E-03	3.80E-03	1.37E-06	4.13E-06	2.39E-06	2.33E-06	2.11E-06	9.64E-07	9.51E-07	0.00E+00	0.00E+00	4.39E-07	7.91E-08	5.02E-07	7.74E-08	7.36E-08	1.17E-06	1.25E-06	4.57E-07	6.22E-07	2.32E-07	1.25E-06	4.57E-07
5707	486622.8	3856536	3.91E-03	3.81E-03	3.76E-03	1.35E-06	4.08E-06	2.36E-06	2.31E-06	2.09E-06	9.54E-07	9.41E-07	0.00E+00	0.00E+00	4.35E-07	7.83E-08	4.97E-07	7.66E-08	7.29E-08	1.16E-06	1.23E-06	4.52E-07	6.15E-07	2.30E-07	1.23E-06	4.52E-07
5708	486765.5	3856660	3.79E-03	3.70E-03	3.65E-03	1.31E-06	3.96E-06	2.29E-06	2.24E-06	2.03E-06	9.26E-07	9.14E-07	0.00E+00	0.00E+00	4.22E-07	7.60E-08	4.82E-07	7.44E-08	7.08E-08	1.13E-06	1.20E-06	4.39E-07	5.97E-07	2.23E-07	1.20E-06	4.39E-07
5709	486833.4	3856720	3.76E-03	3.67E-03	3.62E-03	1.30E-06	3.93E-06	2.27E-06	2.22E-06	2.01E-06	9.18E-07	9.06E-07	0.00E+00	0.00E+00	4.19E-07	7.53E-08	4.78E-07	7.37E-08	7.02E-08	1.12E-06	1.19E-06	4.35E-07	5.92E-07	2.21E-07	1.19E-06	4.35E-07
5710	486901.4	3856781	3.73E-03	3.64E-03	3.59E-03	1.29E-06	3.89E-06	2.25E-06	2.20E-06	1.99E-06	9.10E-07	8.98E-07	0.00E+00	0.00E+00	4.15E-07	7.47E-08	4.74E-07	7.31E-08	6.95E-08	1.11E-06	1.18E-06	4.31E-07	5.87E-07	2.19E-07	1.18E-06	4.31E-07
5711	486969.4	3856841	3.70E-03	3.61E-03	3.56E-03	1.28E-06	3.87E-06	2.24E-06	2.19E-06	1.98E-06	9.04E-07	8.92E-07	0.00E+00	0.00E+00	4.12E-07	7.42E-08	4.71E-07	7.26E-08	6.91E-08	1.10E-06	1.17E-06	4.29E-07	5.83E-07	2.18E-07	1.17E-06	4.29E-07
5712	487037.3	3856902	3.68E-03	3.59E-03	3.55E-03	1.28E-06	3.85E-06	2.23E-06	2.17E-06	1.97E-06	9.00E-07	8.88E-07	0.00E+00	0.00E+00	4.10E-07	7.38E-08	4.68E-07	7.22E-08	6.87E-08	1.09E-06	1.16E-06	4.26E-07	5.80E-07	2.17E-07	1.16E-06	4.26E-07
5713	487271.2	3856856	2.28E-03	2.23E-03	2.20E-03	7.89E-07	2.38E-06	1.38E-06	1.35E-06	1.22E-06	5.57E-07	5.50E-07	0.00E+00	0.00E+00	2.54E-07	4.57E-08	2.90E-07	4.47E-08	4.26E-08	6.77E-07	7.20E-07	2.64E-07	3.59E-07	1.34E-07	7.20E-07	2.64E-07
5714	487369	3856857	2.05E-03	2.00E-03	1.98E-03	7.11E-07	2.15E-06	1.24E-06	1.21E-06	1.10E-06	5.01E-07	4.95E-07	0.00E+00	0.00E+00	2.29E-07	4.11E-08	2.61E-07	4.03E-08	3.83E-08	6.09E-07	6.48E-07	2.38E-07	3.23E-07	1.21E-07	6.48E-07	2.38E-07
5715	487466.7	3856859	1.88E-03	1.83E-03	1.81E-03	6.50E-07	1.96E-06	1.14E-06	1.11E-06	1.01E-06	4.59E-07	4.53E-07	0.00E+00	0.00E+00	2.09E-07	3.76E-08	2.39E-07	3.68E-08	3.50E-08	5.57E-07	5.93E-07	2.17E-07	2.96E-07	1.11E-07	5.93E-07	2.17E-07
5716	487636.4	3856930	1.75E-03	1.71E-03	1.68E-03	6.05E-07	1.83E-06	1.06E-06	1.03E-06	9.36E-07	4.27E-07	4.22E-07	0.00E+00	0.00E+00	1.95E-07	3.51E-08	2.22E-07	3.43E-08	3.26E-08	5.19E-07	5.52E-07	2.02E-07	2.76E-07	1.03E-07	5.52E-07	2.02E-07
5717	487709.6	3856928	1.66E-03	1.62E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	9.78E-07	8.87E-07	4.05E-07	3.99E-07	0.00E+00	0.00E+00	1.84E-07	3.32E-08	2.11E-07	3.25E-08	3.09E-08	4.92E-07	5.23E-07	1.92E-07	2.61E-07	9.75E-08	5.23E-07	1.92E-07
5718	487782.6	3856842	1.48E-03	1.44E-03	1.42E-03	5.12E-07	1.55E-06	8.95E-07	8.73E-07	7.92E-07	3.61E-07	3.56E-07	0.00E+00	0.00E+00	1.65E-07	2.96E-08	1.88E-07	2.90E-08	2.76E-08	4.39E-07	4.67E-07	1.71E-07	2.33E-07	8.71E-08	4.67E-07	1.71E-07
5719	487849.8	3856755	1.35E-03	1.31E-03	1.30E-03	4.66E-07	1.41E-06	8.15E-07	7.95E-07	7.21E-07	3.29E-07	3.24E-07	0.00E+00	0.00E+00	1.50E-07	2.70E-08	1.71E-07	2.64E-08	2.51E-08	4.00E-07	4.25E-07	1.56E-07	2.12E-07	7.93E-08	4.25E-07	1.56E-07
5720	487918	3856819	1.36E-03	1.32E-03	1.31E-03	4.70E-07	1.42E-06	8.21E-07	8.01E-07	7.26E-07	3.31E-07	3.27E-07	0.00E+00	0.00E+00	1.51E-07	2.72E-08	1.73E-07	2.66E-08	2.53E-08	4.03E-07	4.28E-07	1.57E-07	2.14E-07	7.99E-08	4.28E-07	1.57E-07
5721	487918.8	3856886	1.42E-03	1.38E-03	1.36E-03	4.90E-07	1.48E-06	8.57E-07	8.36E-07	7.58E-07	3.46E-07	3.41E-07	0.00E+00	0.00E+00	1.58E-07	2.84E-08	1.80E-07	2.78E-08	2.64E-08	4.20E-07	4.47E-07	1.64E-07	2.23E-07	8.34E-08	4.47E-07	1.64E-07
5722	488065.5	3857128	1.54E-03	1.50E-03	1.48E-03	5.33E-07	1.61E-06	9.31E-07	9.09E-07	8.24E-07	3.76E-07	3.71E-07	0.00E+00	0.00E+00	1.71E-07	3.08E-08	1.96E-07	3.02E-08	2.87E-08	4.57E-07	4.86E-07	1.78E-07	2.42E-07	9.06E-08	4.86E-07	1.78E-07
5723	488192.2	3857386	1.75E-03	1.71E-03	1.69E-03	6.07E-07	1.83E-06	1.06E-06	1.03E-06	9.38E-07	4.28E-07	4.22E-07	0.00E+00	0.00E+00	1.95E-07	3.51E-08	2.23E-07	3.44E-08	3.27E-08	5.20E-07	5.53E-07	2.03E-07	2.76E-07	1.03E-07	5.53E-07	2.03E-07
5724	488191.2	3857474	1.90E-03	1.86E-03	1.83E-03	6.59E-07	1.99E-06	1.15E-06	1.12E-06	1.02E-06	4.65E-07	4.59E-07	0.00E+00	0.00E+00	2.12E-07	3.82E-08	2.42E-07	3.74E-08	3.55E-08	5.65E-07	6.01E-07	2.20E-07	3.00E-07	1.12E-07	6.01E-07	2.20E-07
5725	488190.2	3857562	2.09E-03	2.04E-03	2.01E-03	7.23E-07	2.18E-06	1.26E-06	1.23E-06	1.12E-06	5.10E-07	5.03E-07	0.00E+00	0.00E+00	2.33E-07	4.19E-08	2.66E-07	4.10E-08	3.90E-08	6.20E-07	6.59E-07	2.42E-07	3.29E-07	1.23E-07	6.59E-07	2.42E-07
5726	488158.4	3857691	2.53E-03	2.47E-03	2.43E-03	8.75E-07	2.64E-06	1.53E-06	1.49E-06	1.35E-06	6.17E-07	6.09E-07	0.00E+00	0.00E+00	2.81E-07	5.07E-08	3.21E-07	4.96E-08	4.72E-08	7.50E-07	7.98E-07	2.93E-07	3.98E-07	1.49E-07	7.98E-07	2.93E-07
5727	488208.4	3857817	2.87E-03	2.80E-03	2.76E-03	9.92E-07	3.00E-06	1.73E-06	1.69E-06	1.53E-06	7.00E-07	6.91E-07	0.00E+00	0.00E+00	3.19E-07	5.74E-08	3.64E-07	5.62E-08	5.35E-08	8.50E-07	9.04E-07	3.32E-07	4.51E-07	1.69E-07	9.04E-07	3.32E-07
5728	488272	3857875	2.89E-03	2.82E-03	2.78E-03	1.00E-06	3.02E-06	1.75E-06	1.71E-06	1.55E-06	7.06E-07	6.97E-07	0.00E+00	0.00E+00	3.22E-07	5.80E-08	3.68E-07	5.67E-08	5.40E-08	8.58E-07	9.13E-07	3.35E-07	4.56E-07	1.70E-07	9.13E-07	3.35E-07
5729	488463.6	3857942	2.57E-03	2.51E-03	2.47E-03	8.89E-07	2.68E-06	1.55E-06	1.52E-06	1.37E-06	6.27E-07	6.19E-07	0.00E+00	0.00E+00	2.86E-07	5.15E-08	3.26E-07	5.03E-08	4.79E-08	7.62E-07	8.10E-07	2.97E-07	4.04E-07	1.51E-07	8.10E-07	2.97E-07
5730	488554.8	3857941	2.35E-03	2.29E-03	2.26E-03	8.12E-07	2.45E-06	1.42E-06	1.38E-06	1.26E-06	5.73E-07	5.65E-07	0.00E+00	0.00E+00	2.61E-07	4.70E-08	2.98E-07	4.60E-08	4.38E-08	6.96E-07	7.40E-07	2.71E-07	3.69E-07	1.38E-07	7.40E-07	2.71E-07
5731	488646.1	3857939	2.16E-03	2.11E-03	2.08E-03	7.49E-07	2.26E-06	1.31E-06	1.28E-06	1.16E-06	5.29E-07	5.22E-07	0.00E+00	0.00E+00	2.41E-07	4.34E-08	2.75E-07	4.24E-08	4.04E-08	6.42E-07	6.83E-07	2.51E-07	3.41E-07	1.27E-07	6.83E-07	2.51E-07
5732	488737.4	3857938	2.01E-03	1.97E-03	1.94E-03	6.97E-07	2.10E-06	1.22E-06	1.19E-06	1.08E-06	4.92E-07	4.85E-07	0.00E+00	0.00E+00	2.24E-07	4.04E-08	2.56E-07	3.95E-08	3.76E-08	5.98E-07	6.36E-07	2.33E-07	3.17E-07	1.19E-07	6.36E-07	2.33E-07
5733	488733.6	3857961	2.07E-03	2.02E-03	1.99E-03	7.15E-07	2.16E-06	1.25E-06	1.22E-06	1.11E-06	5.04E-07	4.98E-07	0.00E+00	0.00E+00	2.30E-07	4.14E-08	2.63E-07	4.05E-08	3.85E-08	6.13E-07	6.52E-07	2.39E-07	3.25E-07	1.22E-07	6.52E-07	2.39E-07
5734	488638.1	3857962	2.23E-03	2.18E-03	2.15E-03	7.73E-07	2.33E-06	1.35E-06	1.32E-06	1.19E-06	5.45E-07	5.38E-07	0.00E+00	0.00E+00	2.48E-07	4.47E-08	2.84E-07	4.38E-08	4.16E-08	6.62E-07	7.04E-07	2.58E-07	3.52E-07	1.31E-07	7.04E-07	2.58E-07
5735	488542.6	3857963	2.44E-03	2.38E-03	2.35E-03	8.44E-07	2.55E-06	1.48E-06	1.44E-06	1.30E-06	5.95E-07	5.87E-07	0.00E+00	0.00E+00	2.71E-07	4.89E-08	3.10E-07	4.78E-08	4.55E-08	7.24E-07	7.69E-07	2.82E-07	3.84E-07	1.44E-07	7.69E-07	2.82E-07
5736	488447.1	3857964	2.69E-03	2.63E-03	2.59E-03	9.32E-07	2.81E-06	1.63E-06	1.59E-06	1.44E-06	6.57E-07	6.49E-07	0.00E+00	0.00E+00	3.00E-07	5.40E-08	3.42E-07	5.28E-08	5.02E-08	7.99E-07	8.50E-07	3.12E-07	4.24E-07	1.58E-07	8.50E-07	3.12E-07
5737	488254.3	3857890	3.04E-03	2.97E-03	2.93E-03	1.05E-06	3.18E-06	1.84E-06	1.80E-06	1.63E-06	7.43E-07	7.33E-07	0.00E+00	0.00E+00	3.39E-07	6.10E-08	3.87E-07	5.96E-08	5.68E-08	9.03E-07	9.60E-07	3.52E-07	4.79E-07	1.79E-07	9.60E-07	3.52E-07
5738	488191.7	3857833	3.01E-03	2.94E-03	2.90E-03	1.04E-06	3.15E-06	1.82E-06	1.78E-06	1.61E-06	7.35E-07	7.25E-07	0.00E+00	0.00E+00	3.35E-07	6.03E-08	3.83E-07	5.90E-08	5.62E-08	8.93E-07	9.50E-07	3.48E-07	4.74E-07	1.77E-07	9.50E-07	3.48E-07
5739	488129.5	3857907	3.88E-03	3.79E-03	3.74E-03	1.34E-06	4.06E-06	2.35E-06	2.29E-06	2.08E-06	9.48E-07	9.35E-07	0.00E+00	0.00E+00	4.32E-07	7.78E-08	4.93E-07	7.61E-08	7.24E-08	1.15E-06	1.22E-06	4.49E-07	6.11E-07	2.28E-07	1.22E-06	4.49E-07
5740	488196.5	3857969	3.92E-03	3.82E-03	3.77E-03	1.36E-06	4.10E-06	2.37E-06	2.31E-06	2.10E-06	9.57E-07	9.45E-07	0.00E+00	0.00E+00	4.36E-07	7.86E-08	4.98E-07	7.69E-08	7.31E-08	1.16E-06	1.24E-06	4.54E-07	6.17E-07	2.31E-07	1.24E-06	4.54E-07
5741	488263.4	3858030	3.94E-03	3.85E-03	3.80E-03	1.37E-06	4.12E-06	2.39E-06	2.33E-06	2.11E-06	9.63E-07	9.51E-07	0.00E+00	0.00E+00	4.39E-07	7.91E-08	5.02E-07	7.74E-08	7.36E-08	1.17E-06	1.24E-06	4.57E-07	6.21E-07	2.32E-07	1.24E-06	4.57E-07
5742	488400.6	3858133	3.84E-03	3.75E-03	3.70E-03	1.33E-06	4.02E-06	2.33E-06	2.27E-06	2.06E-06	9.39E-07	9.26E-07	0.00E+00	0.00E+00	4.28E-07	7.70E-08	4.89E-07	7.54E-08	7.17E-08	1.14E-06	1.21E-06	4.45E-07	6.06E-07	2.26E-07	1.21E-06	4.45E-07
5743	488519.9	3858218	3.87E-03	3.77E-03	3.72E-03	1.34E-06	4.04E-06	2.34E-06	2.28E-06	2.07E-06	9.44E-07	9.32E-07	0.00E+00	0.00E+00	4.30E-07	7.75E-08	4.92E-07	7.58E-08	7.21E-08	1.15E-06	1.22E-06	4.48E-07	6.09E-07	2.28E-07	1.22E-06	4.48E-07
5744	488648	3858215	3.17E-03	3.09E-03	3.05E-03	1.10E-06	3.31E-06	1.92E-06	1.87E-06	1.70E-06	7.74E-07	7.64E-07	0.00E+00	0.00E+00	3.53E-07	6.35E-08	4.03E-07	6.22E-08	5.91E-08	9.41E-07	1.00E-06	3.67E-07	4.99E-07	1.87E-07	1.00E-06	3.67E-07
5745	488727.1	3858168	2.68E-03	2.62E-03	2.58E-03	9.29E-07	2.80E-06	1.62E-06	1.58E-06	1.44E-06	6.55E-07	6.47E-07	0.00E+00	0.00E+00	2.99E-07	5.38E-08	3.41E-07	5.26E-08	5.01E-08	7.96E-07	8.47E-07	3.11E-07	4.23E-07	1.58E-07	8.47E-07	3.11E-07
5746	488806.1	3858120	2.34E-03	2.28E-03	2.25E-03	8.09E-07	2.44E-06	1.41E-06	1.38E-06	1.25E-06	5.71E-07	5.63E-07	0.00E+00	0.00E+00	2.60E-07	4.68E-08	2.97E-07	4.58E-08	4.36E-08	6.94E-07	7.38E-07	2.71E-07	3.68E-07	1.38E-07	7.38E-07	2.71E-07
5747	488885.2	3858073	2.08E-03	2.03E-03	2.00E-03	7.19E-07	2.17E-06	1.26E-06	1.23E-06	1.11E-06	5.07E-07	5.00E-07	0.00E+00	0.00E+00	2.31E-07	4.16E-08	2.64E-07	4.07E-08	3.87E-08	6.16E-07	6.55E-07	2.40E-07	3.27E-07	1.22E-07	6.55E-07	2.40E-07
5748	489055.8	3857991	1.71E-03	1.67E-03	1.65E-03	5.92E-07	1.79E-06	1.03E-06	1.01E-06	9.15E-07	4.18E-07	4.12E-07	0.00E+00	0.00E+00	1.90E-07	3.43E-08	2.17E-07	3.35E-08	3.19E-08	5.07E-07	5.40E-07	1.98E-07	2.69E-07	1.01E-07	5.40E-07	1.98E-07
5749	489245.4	3857945	1.48E-03	1.45E-03	1.43E-03	5.13E-07	1.55E-06	8.97E-07	8.75E-07	7.93E-07	3.62E-07	3.57E-07	0.00E+00	0.00E+00	1.65E-07	2.97E-08	1.88E-07	2.91E-08	2.77E-08	4.40E-07	4.68E-07	1.72E-07	2.33E-07	8.72E-08	4.68E-07	1.72E-07
5750	489430.6	3857931	1.35E-03	1.32E-03	1.30E-03	4.67E-07	1.41E-06	8.16E-07	7.97E-07	7.22E-07	3.29E-07	3.25E-07	0.00E+00	0.00E+00	1.50E-07	2.70E-08	1.72E-07	2.65E-08	2.52E-08	4.00E-07	4.26E-07	1.56E-07	2.13E-07	7.94E-08	4.26E-07	1.56E-07
5751	489517.7	3857929	1.30E-03	1.27E-03	1.25E-03	4.50E-07	1.36E-06	7.86E-07	7.67E-07	6.95E-07	3.17E-07	3.13E-07	0.00E+00	0.00E+00	1.45E-07	2.60E-08	1.65E-07	2.55E-08	2.42E-08	3.86E-07	4.10E-07	1.50E-07	2.05E-07	7.65E-08	4.10E-07	1.50E-07
5752	489604.9	3857928	1.25E-03	1.22E-03	1.20E-03	4.33E-07	1.31E-06	7.57E-07	7.39E-07	6.70E-07	3.06E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.51E-08	1.59E-07	2.45E-08	2.33E-08	3.71E-07	3.95E-07	1.45E-07	1.97E-07	7.37E-08	3.95E-07	1.45E-07
5753	489692	3857926	1.21E-03	1.18E-03	1.16E-03	4.19E-07	1.26E-06	7.32E-07	7.14E-07	6.47E-07	2.95E-07	2.91E-07	0.00E+00	0.00E+00	1.35E-07	2.42E-08	1.54E-07	2.37E-08	2.26E-08	3.59E-07	3.82E-07	1.40E-07	1.91E-07	7.12E-08	3.82E-07	1.40E-07
5754	489779.1	3857925	1.17E-03	1.14E-03	1.13E-03	4.05E-07	1.22E-06	7.08E-07	6.91E-07	6.26E-07	2.86E-07	2.82E-07	0.00E+00	0.00E+00	1.30E-07	2.34E-08	1.49E-07	2.29E-08	2.18E-08	3.47E-07	3.69E-07	1.35E-07	1.84E-07	6.88E-08	3.69E-07	1.35E-07
5755	490017.6	3857875	1.05E-03	1.03E-03	1.01E-03	3.64E-07	1.10E-06	6.36E-07	6.20E-07	5.62E-07	2.57E-07	2.53E-07	0.00E+00	0.00E+00	1.17E-07	2.11E-08	1.34E-07	2.06E-08	1.96E-08	3.12E-07	3.32E-07	1.22E-07	1.66E-07	6.19E-08	3.32E-07	1.22E-07
5756	490033.8	3857961	1.09E-03	1.07E-03	1.05E-03	3.78E-07	1.14E-06	6.61E-07	6.45E-07	5.85E-07	2.67E-07	2.63E-07	0.00E+00	0.00E+00	1.22E-07	2.19E-08	1.39E-07	2.14E-08	2.04E-08	3.24E-07	3.45E-07	1.27E-07	1.72E-07	6.44E-08	3.45E-07	1.27E-07
5757	489959.2	3857987	1.14E-03	1.11E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	6.73E-07	6.10E-07	2.78E-07	2.75E-07	0.00E+00	0.00E+00	1.27E-07	2.28E-08	1.45E-07	2.24E-08	2.13E-08	3.38E-07	3.60E-07	1.32E-07	1.80E-07	6.71E-08	3.60E-07	1.32E-07
5758	489791.5	3858016	1.22E-03	1.19E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.21E-07	6.54E-07	2.98E-07	2.94E-07	0.00E+00	0.00E+00	1.36E-07	2.45E-08	1.55E-07	2.40E-08	2.28E-08	3.63E-07	3.86E-07	1.41E-07	1.92E-07	7.19E-08	3.86E-07	1.41E-07
5759	489698.5	3858018	1.27E-03	1.24E-03	1.22E-03	4.39E-07	1.33E-06	7.68E-07	7.49E-07	6.79E-07	3.10E-07	3.06E-07	0.00E+00	0.00E+00	1.41E-07	2.54E-08	1.61E-07	2.49E-08	2.37E-08	3.77E-07	4.01E-07	1.47E-07	2.00E-07	7.47E-08	4.01E-07	1.47E-07
5760	489605.5	3858020	1.32E-03	1.29E-03	1.27E-03	4.57E-07	1.38E-06	8.00E-07	7.80E-07	7.07E-07	3.23E-07	3.18E-07	0.00E+00	0.00E+00	1.47E-07	2.65E-08	1.68E-07	2.59E-08	2.47E-08	3.92E-07	4.17E-07	1.53E-07	2.08E-07	7.78E-08	4.17E-07	1.53E-07
5761	489512.5	3858022	1.38E-03	1.34E-03	1.33E-03	4.77E-07	1.44E-06	8.34E-07	8.14E-07	7.37E-07	3.36E-07	3.32E-07	0.00E+00	0.00E+00	1.53E-07	2.76E-08	1.75E-07	2.70E-08	2.57E-08	4.09E-07	4.35E-07	1.59E-07	2.17E-07	8.11E-08	4.35E-07	1.59E-07
5762	489419.6	3858024	1.44E-03	1.41E-03	1.39E-03	4.99E-07	1.51E-06	8.72E-07	8.51E-07	7.72E-07	3.52E-07	3.47E-07	0.00E+00	0.00E+00	1.60E-07	2.89E-08	1.83E-07	2.83E-08	2.69E-08	4.28E-07	4.55E-07	1.67E-07	2.27E-07	8.49E-08	4.55E-07	1.67E-07
5763	489228.5	3858041	1.60E-03	1.56E-03	1.54E-03	5.54E-07	1.67E-06	9.68E-07	9.45E-07	8.56E-07	3.91E-07	3.86E-07	0.00E+00	0.00E+00	1.78E-07	3.21E-08	2.03E-07	3.14E-08	2.99E-08	4.75E-07	5.05E-07	1.85E-07	2.52E-07	9.42E-08	5.05E-07	1.85E-07
5764	489065.8	3858086	1.84E-03	1.80E-03	1.77E-03	6.38E-07	1.92E-06	1.11E-06	1.09E-06	9.86E-07	4.50E-07	4.44E-07	0.00E+00	0.00E+00	2.05E-07	3.69E-08	2.34E-07	3.61E-08	3.44E-08	5.47E-07	5.81E-07	2.13E-07	2.90E-07	1.08E-07	5.81E-07	2.13E-07
5765	489001.1	3858115	1.98E-03	1.93E-03	1.91E-03	6.86E-07	2.07E-06	1.20E-06	1.17E-06	1.06E-06	4.84E-07	4.77E-07	0.00E+00	0.00E+00	2.20E-07	3.97E-08	2.52E-07	3.88E-08	3.70E-08	5.88E-07	6.25E-07	2.29E-07	3.12E-07	1.17E-07	6.25E-07	2.29E-07
5766	488861.9	3858190	2.41E-03	2.35E-03	2.32E-03	8.33E-07	2.51E-06	1.46E-06	1.42E-06	1.29E-06	5.87E-07	5.80E-07	0.00E+00	0.00E+00	2.68E-07	4.82E-08	3.06E-07	4.72E-08	4.49E-08	7.14E-07	7.59E-07	2.78E-07	3.79E-07	1.42E-07	7.59E-07	2.78E-07
5767	488787.3	3858236	2.77E-03	2.70E-03	2.66E-03	9.58E-07	2.89E-06	1.67E-06	1.63E-06	1.48E-06	6.76E-07	6.67E-07	0.00E+00	0.00E+00	3.08E-07	5.55E-08	3.52E-07	5.43E-08	5.16E-08	8.21E-07	8.74E-07	3.20E-07	4.36E-07	1.63E-07	8.74E-07	3.20E-07
5768	488712.7	3858282	3.25E-03	3.17E-03	3.13E-03	1.12E-06	3.40E-06	1.97E-06	1.92E-06	1.74E-06	7.93E-07	7.83E-07	0.00E+00	0.00E+00	3.62E-07	6.51E-08	4.13E-07	6.37E-08	6.06E-08	9.64E-07	1.03E-06	3.76E-07	5.12E-07	1.91E-07	1.03E-06	3.76E-07

5769	488654.4	3858436	5.10E-03	4.98E-03	4.91E-03	1.77E-06	5.33E-06	3.09E-06	3.01E-06	2.73E-06	1.25E-06	1.23E-06	0.00E+00	0.00E+00	5.68E-07	1.02E-07	6.49E-07	1.00E-07	9.52E-08	1.51E-06	1.61E-06	5.91E-07	8.04E-07	3.00E-07	1.61E-06	5.91E-07
5770	488726.3	3858505	5.28E-03	5.16E-03	5.09E-03	1.83E-06	5.52E-06	3.20E-06	3.12E-06	2.83E-06	1.29E-06	1.27E-06	0.00E+00	0.00E+00	5.88E-07	1.06E-07	6.72E-07	1.04E-07	9.86E-08	1.57E-06	1.67E-06	6.12E-07	8.32E-07	3.11E-07	1.67E-06	6.12E-07
5771	488880.6	3858599	4.93E-03	4.81E-03	4.75E-03	1.71E-06	5.16E-06	2.98E-06	2.91E-06	2.64E-06	1.20E-06	1.19E-06	0.00E+00	0.00E+00	5.49E-07	9.88E-08	6.27E-07	9.67E-08	9.20E-08	1.46E-06	1.56E-06	5.71E-07	7.77E-07	2.90E-07	1.56E-06	5.71E-07
5772	489008.1	3858715	5.38E-03	5.25E-03	5.18E-03	1.86E-06	5.63E-06	3.26E-06	3.18E-06	2.88E-06	1.31E-06	1.30E-06	0.00E+00	0.00E+00	5.99E-07	1.08E-07	6.85E-07	1.06E-07	1.00E-07	1.60E-06	1.70E-06	6.23E-07	8.48E-07	3.17E-07	1.70E-06	6.23E-07
5773	489071.5	3858773	5.73E-03	5.59E-03	5.52E-03	1.98E-06	5.99E-06	3.47E-06	3.38E-06	3.07E-06	1.40E-06	1.38E-06	0.00E+00	0.00E+00	6.38E-07	1.15E-07	7.29E-07	1.12E-07	1.07E-07	1.70E-06	1.81E-06	6.63E-07	9.03E-07	3.37E-07	1.81E-06	6.63E-07
5774	489244.6	3858920	6.69E-03	6.53E-03	6.45E-03	2.32E-06	7.00E-06	4.05E-06	3.95E-06	3.58E-06	1.64E-06	1.61E-06	0.00E+00	0.00E+00	7.45E-07	1.34E-07	8.51E-07	1.31E-07	1.25E-07	1.99E-06	2.11E-06	7.75E-07	1.05E-06	3.94E-07	2.11E-06	7.75E-07
5775	489239.7	3858952	7.83E-03	7.64E-03	7.54E-03	2.71E-06	8.18E-06	4.74E-06	4.62E-06	4.19E-06	1.91E-06	1.89E-06	0.00E+00	0.00E+00	8.72E-07	1.57E-07	9.96E-07	1.54E-07	1.46E-07	2.32E-06	2.47E-06	9.06E-07	1.23E-06	4.61E-07	2.47E-06	9.06E-07
5776	489121.7	3858854	6.99E-03	6.83E-03	6.74E-03	2.42E-06	7.31E-06	4.23E-06	4.13E-06	3.74E-06	1.71E-06	1.69E-06	0.00E+00	0.00E+00	7.79E-07	1.40E-07	8.90E-07	1.37E-07	1.31E-07	2.08E-06	2.21E-06	8.10E-07	1.10E-06	4.12E-07	2.21E-06	8.10E-07
5777	489059.6	3858797	6.47E-03	6.32E-03	6.23E-03	2.24E-06	6.77E-06	3.92E-06	3.82E-06	3.46E-06	1.58E-06	1.56E-06	0.00E+00	0.00E+00	7.21E-07	1.30E-07	8.23E-07	1.27E-07	1.21E-07	1.92E-06	2.04E-06	7.49E-07	1.02E-06	3.81E-07	2.04E-06	7.49E-07
5778	488997.5	3858740	6.01E-03	5.87E-03	5.79E-03	2.08E-06	6.28E-06	3.64E-06	3.55E-06	3.22E-06	1.47E-06	1.45E-06	0.00E+00	0.00E+00	6.69E-07	1.21E-07	7.65E-07	1.18E-07	1.12E-07	1.78E-06	1.90E-06	6.96E-07	9.47E-07	3.54E-07	1.90E-06	6.96E-07
5779	488935.4	3858683	5.66E-03	5.52E-03	5.45E-03	1.96E-06	5.91E-06	3.42E-06	3.34E-06	3.03E-06	1.38E-06	1.36E-06	0.00E+00	0.00E+00	6.30E-07	1.13E-07	7.19E-07	1.11E-07	1.06E-07	1.68E-06	1.78E-06	6.55E-07	8.91E-07	3.33E-07	1.78E-06	6.55E-07
5780	488869.2	3858848	2.11E-02	2.06E-02	2.03E-02	7.31E-06	2.21E-05	1.28E-05	1.25E-05	1.13E-05	5.16E-06	5.09E-06	0.00E+00	0.00E+00	2.35E-06	4.23E-07	2.69E-06	4.14E-07	3.94E-07	6.27E-06	6.67E-06	2.45E-06	3.33E-06	1.24E-06	6.67E-06	2.45E-06
5781	488932.5	3858893	2.17E-02	2.12E-02	2.09E-02	7.51E-06	2.27E-05	1.31E-05	1.28E-05	1.16E-05	5.30E-06	5.23E-06	0.00E+00	0.00E+00	2.41E-06	4.35E-07	2.76E-06	4.25E-07	4.05E-07	6.44E-06	6.85E-06	2.51E-06	3.42E-06	1.28E-06	6.85E-06	2.51E-06
5782	489063.3	3858977	2.14E-02	2.09E-02	2.06E-02	7.40E-06	2.23E-05	1.29E-05	1.26E-05	1.14E-05	5.22E-06	5.15E-06	0.00E+00	0.00E+00	2.38E-06	4.28E-07	2.72E-06	4.19E-07	3.99E-07	6.34E-06	6.75E-06	2.47E-06	3.37E-06	1.26E-06	6.75E-06	2.47E-06
5783	489248.2	3859117	3.02E-02	2.95E-02	2.91E-02	1.05E-05	3.16E-05	1.83E-05	1.78E-05	1.62E-05	7.38E-06	7.28E-06	0.00E+00	0.00E+00	3.36E-06	6.06E-07	3.84E-06	5.93E-07	5.64E-07	8.97E-06	9.54E-06	3.50E-06	4.76E-06	1.78E-06	9.54E-06	3.50E-06
5784	489296.3	3859049	1.13E-02	1.10E-02	1.09E-02	3.91E-06	1.18E-05	6.83E-06	6.66E-06	6.04E-06	2.76E-06	2.72E-06	0.00E+00	0.00E+00	1.26E-06	2.26E-07	1.43E-06	2.21E-07	2.11E-07	3.35E-06	3.56E-06	1.31E-06	1.78E-06	6.64E-07	3.56E-06	1.31E-06
5785	489353.4	3858994	6.95E-03	6.78E-03	6.69E-03	2.40E-06	7.26E-06	4.20E-06	4.10E-06	3.72E-06	1.70E-06	1.67E-06	0.00E+00	0.00E+00	7.73E-07	1.39E-07	8.83E-07	1.36E-07	1.30E-07	2.06E-06	2.19E-06	8.04E-07	1.09E-06	4.09E-07	2.19E-06	8.04E-07
5786	489537.2	3859120	7.70E-03	7.52E-03	7.42E-03	2.67E-06	8.05E-06	4.66E-06	4.55E-06	4.12E-06	1.88E-06	1.86E-06	0.00E+00	0.00E+00	8.57E-07	1.54E-07	9.79E-07	1.51E-07	1.44E-07	2.29E-06	2.43E-06	8.92E-07	1.21E-06	4.53E-07	2.43E-06	8.92E-07
5787	489727	3859246	8.61E-03	8.40E-03	8.29E-03	2.98E-06	8.99E-06	5.21E-06	5.08E-06	4.61E-06	2.10E-06	2.07E-06	0.00E+00	0.00E+00	9.58E-07	1.72E-07	1.09E-06	1.69E-07	1.61E-07	2.55E-06	2.72E-06	9.96E-07	1.36E-06	5.07E-07	2.72E-06	9.96E-07
5788	489911.5	3859366	9.57E-03	9.34E-03	9.21E-03	3.31E-06	1.00E-05	5.79E-06	5.65E-06	5.12E-06	2.34E-06	2.31E-06	0.00E+00	0.00E+00	1.07E-06	1.92E-07	1.22E-06	1.88E-07	1.79E-07	2.84E-06	3.02E-06	1.11E-06	1.51E-06	5.63E-07	3.02E-06	1.11E-06
5789	490035.3	3859430	9.50E-03	9.27E-03	9.14E-03	3.29E-06	9.93E-06	5.75E-06	5.61E-06	5.08E-06	2.32E-06	2.29E-06	0.00E+00	0.00E+00	1.06E-06	1.90E-07	1.21E-06	1.86E-07	1.77E-07	2.82E-06	3.00E-06	1.10E-06	1.50E-06	5.59E-07	3.00E-06	1.10E-06
5790	490101.1	3859459	9.19E-03	8.96E-03	8.85E-03	3.18E-06	9.60E-06	5.56E-06	5.42E-06	4.92E-06	2.24E-06	2.21E-06	0.00E+00	0.00E+00	1.02E-06	1.84E-07	1.17E-06	1.80E-07	1.71E-07	2.73E-06	2.90E-06	1.06E-06	1.45E-06	5.41E-07	2.90E-06	1.06E-06
5791	490312.7	3859560	9.92E-03	9.68E-03	9.55E-03	3.43E-06	1.04E-05	6.00E-06	5.86E-06	5.31E-06	2.42E-06	2.39E-06	0.00E+00	0.00E+00	1.10E-06	1.99E-07	1.26E-06	1.95E-07	1.85E-07	2.94E-06	3.13E-06	1.15E-06	1.56E-06	5.84E-07	3.13E-06	1.15E-06
5792	490401.6	3859603	1.06E-02	1.03E-02	1.02E-02	3.66E-06	1.11E-05	6.40E-06	6.24E-06	5.66E-06	2.58E-06	2.55E-06	0.00E+00	0.00E+00	1.18E-06	2.12E-07	1.34E-06	2.07E-07	1.97E-07	3.14E-06	3.34E-06	1.22E-06	1.67E-06	6.23E-07	3.34E-06	1.22E-06
5793	490490.6	3859646	1.13E-02	1.10E-02	1.08E-02	3.90E-06	1.18E-05	6.81E-06	6.65E-06	6.03E-06	2.75E-06	2.71E-06	0.00E+00	0.00E+00	1.25E-06	2.26E-07	1.43E-06	2.21E-07	2.10E-07	3.34E-06	3.55E-06	1.30E-06	1.77E-06	6.63E-07	3.55E-06	1.30E-06
5794	490579.5	3859689	1.19E-02	1.16E-02	1.15E-02	4.13E-06	1.25E-05	7.21E-06	7.04E-06	6.38E-06	2.91E-06	2.87E-06	0.00E+00	0.00E+00	1.33E-06	2.39E-07	1.52E-06	2.34E-07	2.22E-07	3.54E-06	3.76E-06	1.38E-06	1.88E-06	7.02E-07	3.76E-06	1.38E-06
5795	490668.5	3859732	1.23E-02	1.20E-02	1.19E-02	4.26E-06	1.29E-05	7.45E-06	7.27E-06	6.59E-06	3.01E-06	2.97E-06	0.00E+00	0.00E+00	1.37E-06	2.47E-07	1.57E-06	2.41E-07	2.30E-07	3.65E-06	3.88E-06	1.42E-06	1.94E-06	7.25E-07	3.88E-06	1.42E-06
5796	490757.4	3859774	1.34E-02	1.31E-02	1.29E-02	4.65E-06	1.40E-05	8.12E-06	7.93E-06	7.18E-06	3.28E-06	3.23E-06	0.00E+00	0.00E+00	1.49E-06	2.69E-07	1.71E-06	2.63E-07	2.50E-07	3.98E-06	4.24E-06	1.55E-06	2.11E-06	7.90E-07	4.24E-06	1.55E-06
5797	491003.5	3859862	1.17E-02	1.14E-02	1.13E-02	4.05E-06	1.22E-05	7.07E-06	6.90E-06	6.26E-06	2.85E-06	2.82E-06	0.00E+00	0.00E+00	1.30E-06	2.34E-07	1.49E-06	2.29E-07	2.18E-07	3.47E-06	3.69E-06	1.35E-06	1.84E-06	6.88E-07	3.69E-06	1.35E-06
5798	491081.4	3859879	1.02E-02	9.99E-03	9.86E-03	3.54E-06	1.07E-05	6.19E-06	6.04E-06	5.48E-06	2.50E-06	2.47E-06	0.00E+00	0.00E+00	1.14E-06	2.05E-07	1.30E-06	2.01E-07	1.91E-07	3.04E-06	3.23E-06	1.19E-06	1.61E-06	6.03E-07	3.23E-06	1.19E-06
5799	491229.8	3859918	8.15E-03	7.95E-03	7.85E-03	2.82E-06	8.52E-06	4.93E-06	4.81E-06	4.36E-06	1.99E-06	1.96E-06	0.00E+00	0.00E+00	9.07E-07	1.63E-07	1.04E-06	1.60E-07	1.52E-07	2.42E-06	2.57E-06	9.44E-07	1.28E-06	4.80E-07	2.57E-06	9.44E-07
5800	491300.2	3859939	7.42E-03	7.24E-03	7.14E-03	2.57E-06	7.75E-06	4.49E-06	4.38E-06	3.97E-06	1.81E-06	1.79E-06	0.00E+00	0.00E+00	8.26E-07	1.49E-07	9.43E-07	1.45E-07	1.38E-07	2.20E-06	2.34E-06	8.59E-07	1.17E-06	4.37E-07	2.34E-06	8.59E-07
5801	491350.5	3860012	8.83E-03	8.61E-03	8.50E-03	3.06E-06	9.23E-06	5.34E-06	5.21E-06	4.72E-06	2.16E-06	2.13E-06	0.00E+00	0.00E+00	9.83E-07	1.77E-07	1.12E-06	1.73E-07	1.65E-07	2.62E-06	2.79E-06	1.02E-06	1.39E-06	5.20E-07	2.79E-06	1.02E-06
5802	491406.8	3860093	1.03E-02	1.01E-02	9.92E-03	3.57E-06	1.08E-05	6.24E-06	6.09E-06	5.52E-06	2.52E-06	2.48E-06	0.00E+00	0.00E+00	1.15E-06	2.07E-07	1.31E-06	2.02E-07	1.92E-07	3.06E-06	3.25E-06	1.19E-06	1.62E-06	6.07E-07	3.25E-06	1.19E-06
5803	491483.4	3860122	8.82E-03	8.60E-03	8.49E-03	3.05E-06	9.22E-06	5.34E-06	5.21E-06	4.72E-06	2.15E-06	2.12E-06	0.00E+00	0.00E+00	9.82E-07	1.77E-07	1.12E-06	1.73E-07	1.65E-07	2.62E-06	2.78E-06	1.02E-06	1.39E-06	5.19E-07	2.78E-06	1.02E-06
5804	491559.9	3860151	7.71E-03	7.53E-03	7.43E-03	2.67E-06	8.06E-06	4.67E-06	4.55E-06	4.13E-06	1.88E-06	1.86E-06	0.00E+00	0.00E+00	8.59E-07	1.55E-07	9.81E-07	1.51E-07	1.44E-07	2.29E-06	2.43E-06	8.93E-07	1.22E-06	4.54E-07	2.43E-06	8.93E-07
5805	491711.8	3860238	5.62E-03	5.49E-03	5.42E-03	1.95E-06	5.88E-06	3.40E-06	3.32E-06	3.01E-06	1.37E-06	1.36E-06	0.00E+00	0.00E+00	6.26E-07	1.13E-07	7.15E-07	1.10E-07	1.05E-07	1.67E-06	1.78E-06	6.51E-07	8.86E-07	3.31E-07	1.78E-06	6.51E-07
5806	491755.2	3860319	8.11E-03	7.91E-03	7.81E-03	2.81E-06	8.48E-06	4.91E-06	4.79E-06	4.34E-06	1.98E-06	1.95E-06	0.00E+00	0.00E+00	9.03E-07	1.63E-07	1.03E-06	1.59E-07	1.51E-07	2.41E-06	2.56E-06	9.39E-07	1.28E-06	4.77E-07	2.56E-06	9.39E-07
5807	491704.7	3860367	1.31E-02	1.28E-02	1.26E-02	4.54E-06	1.37E-05	7.94E-06	7.75E-06	7.03E-06	3.21E-06	3.16E-06	0.00E+00	0.00E+00	1.46E-06	2.63E-07	1.67E-06	2.57E-07	2.45E-07	3.90E-06	4.14E-06	1.52E-06	2.07E-06	7.73E-07	4.14E-06	1.52E-06
5808	491623.4	3860462	1.33E-02	1.30E-02	1.28E-02	4.60E-06	1.39E-05	8.03E-06	7.84E-06	7.11E-06	3.24E-06	3.20E-06	0.00E+00	0.00E+00	1.48E-06	2.66E-07	1.69E-06	2.60E-07	2.48E-07	3.94E-06	4.19E-06	1.54E-06	2.09E-06	7.82E-07	4.19E-06	1.54E-06
5809	491534	3860440	5.70E-03	5.56E-03	5.49E-03	1.97E-06	5.96E-06	3.45E-06	3.37E-06	3.05E-06	1.39E-06	1.37E-06	0.00E+00	0.00E+00	6.35E-07	1.14E-07	7.25E-07	1.12E-07	1.06E-07	1.69E-06	1.80E-06	6.60E-07	8.98E-07	3.36E-07	1.80E-06	6.60E-07
5810	491314	3860268	7.21E-03	7.03E-03	6.94E-03	2.50E-06	7.53E-06	4.36E-06	4.26E-06	3.86E-06	1.76E-06	1.74E-06	0.00E+00	0.00E+00	8.02E-07	1.44E-07	9.17E-07	1.41E-07	1.34E-07	2.14E-06	2.27E-06	8.34E-07	1.14E-06	4.24E-07	2.27E-06	8.34E-07
5811	491187.1	3860144	1.05E-02	1.03E-02	1.02E-02	3.65E-06	1.10E-05	6.38E-06	6.23E-06	5.65E-06	2.58E-06	2.54E-06	0.00E+00	0.00E+00	1.17E-06	2.11E-07	1.34E-06	2.07E-07	1.97E-07	3.13E-06	3.33E-06	1.22E-06	1.66E-06	6.21E-07	3.33E-06	1.22E-06
5812	491070.4	3860076	9.12E-03	8.90E-03	8.78E-03	3.16E-06	9.53E-06	5.52E-06	5.38E-06	4.88E-06	2.23E-06	2.20E-06	0.00E+00	0.00E+00	1.02E-06	1.83E-07	1.16E-06	1.79E-07	1.70E-07	2.71E-06	2.88E-06	1.06E-06	1.44E-06	5.37E-07	2.88E-06	1.06E-06
5813	490995.1	3860039	8.42E-03	8.22E-03	8.11E-03	2.92E-06	8.81E-06	5.10E-06	4.97E-06	4.51E-06	2.06E-06	2.03E-06	0.00E+00	0.00E+00	9.38E-07	1.69E-07	1.07E-06	1.65E-07	1.57E-07	2.50E-06	2.66E-06	9.75E-07	1.33E-06	4.96E-07	2.66E-06	9.75E-07
5814	490919.8	3860003	8.45E-03	8.24E-03	8.13E-03	2.92E-06	8.83E-06	5.11E-06	4.99E-06	4.52E-06	2.06E-06	2.04E-06	0.00E+00	0.00E+00	9.40E-07	1.69E-07	1.07E-06	1.66E-07	1.58E-07	2.51E-06	2.67E-06	9.78E-07	1.33E-06	4.97E-07	2.67E-06	9.78E-07
5815	490756.8	3859895	1.93E-02	1.89E-02	1.86E-02	6.69E-06	2.02E-05	1.17E-05	1.14E-05	1.04E-05	4.72E-06	4.66E-06	0.00E+00	0.00E+00	2.15E-06	3.88E-07	2.46E-06	3.79E-07	3.61E-07	5.74E-06	6.10E-06	2.24E-06	3.05E-06	1.14E-06	6.10E-06	2.24E-06
5816	490668.1	3859861	1.83E-02	1.78E-02	1.76E-02	6.32E-06	1.91E-05	1.11E-05	1.08E-05	9.78E-06	4.46E-06	4.40E-06	0.00E+00	0.00E+00	2.03E-06	3.66E-07	2.32E-06	3.58E-07	3.41E-07	5.42E-06	5.77E-06	2.11E-06	2.88E-06	1.08E-06	5.77E-06	2.11E-06
5817	490579.3	3859827	1.79E-02	1.74E-02	1.72E-02	6.18E-06	1.87E-05	1.08E-05	1.05E-05	9.56E-06	4.36E-06	4.30E-06	0.00E+00	0.00E+00	1.99E-06	3.58E-07	2.27E-06	3.50E-07	3.33E-07	5.30E-06	5.64E-06	2.07E-06	2.81E-06	1.05E-06	5.64E-06	2.07E-06
5818	490490.6	3859794	1.67E-02	1.63E-02	1.60E-02	5.77E-06	1.74E-05	1.01E-05	9.84E-06	8.92E-06	4.07E-06	4.02E-06	0.00E+00	0.00E+00	1.86E-06	3.34E-07	2.12E-06	3.27E-07	3.11E-07	4.95E-06	5.26E-06	1.93E-06	2.63E-06	9.81E-07	5.26E-06	1.93E-06
5819	490401.9	3859760	1.58E-02	1.54E-02	1.52E-02	5.47E-06	1.65E-05	9.57E-06	9.34E-06	8.46E-06	3.86E-06	3.81E-06	0.00E+00	0.00E+00	1.76E-06	3.17E-07	2.01E-06	3.10E-07	2.95E-07	4.69E-06	4.99E-06	1.83E-06	2.49E-06	9.31E-07	4.99E-06	1.83E-06
5820	490313.1	3859726	1.55E-02	1.51E-02	1.49E-02	5.36E-06	1.62E-05	9.37E-06	9.14E-06	8.29E-06	3.78E-06	3.73E-06	0.00E+00	0.00E+00	1.72E-06	3.10E-07	1.97E-06	3.04E-07	2.89E-07	4.60E-06	4.89E-06	1.79E-06	2.44E-06	9.12E-07	4.89E-06	1.79E-06
5821	490224.4	3859693	1.52E-02	1.49E-02	1.47E-02	5.27E-06	1.59E-05	9.21E-06	8.99E-06	8.15E-06	3.72E-06	3.67E-06	0.00E+00	0.00E+00	1.69E-06	3.05E-07	1.94E-06	2.98E-07	2.84E-07	4.52E-06	4.80E-06	1.76E-06	2.40E-06	8.96E-07	4.80E-06	1.76E-06
5822	490135.7	3859659	1.50E-02	1.46E-02	1.44E-02	5.19E-06	1.57E-05	9.07E-06	8.85E-06	8.02E-06	3.66E-06	3.61E-06	0.00E+00	0.00E+00	1.67E-06	3.00E-07	1.91E-06	2.94E-07	2.80E-07	4.45E-06	4.73E-06	1.73E-06	2.36E-06	8.82E-07	4.73E-06	1.73E-06
5823	489918.2	3859559	1.55E-02	1.51E-02	1.49E-02	5.36E-06	1.62E-05	9.37E-06	9.14E-06	8.29E-06	3.78E-06	3.73E-06	0.00E+00	0.00E+00	1.72E-06	3.10E-07	1.97E-06	3.04E-07	2.89E-07	4.60E-06	4.89E-06	1.79E-06	2.44E-06	9.12E-07	4.89E-06	1.79E-06
5824	489743.6	3859486	1.02E-02	9.98E-03	9.85E-03	3.54E-06	1.07E-05	6.19E-06	6.04E-06	5.48E-06	2.50E-06	2.47E-06	0.00E+00	0.00E+00	1.14E-06	2.05E-07	1.30E-06	2.01E-07	1.91E-07	3.04E-06	3.23E-06	1.18E-06	1.61E-06	6.02E-07	3.23E-06	1.18E-06
5825	489660.3	3859440	1.02E-02	9.94E-03	9.81E-03	3.53E-06	1.07E-05	6.17E-06	6.02E-06	5.45E-06	2.49E-06	2.46E-06	0.00E+00	0.00E+00	1.13E-06	2.04E-07	1.30E-06	2.00E-07	1.90E-07	3.02E-06	3.22E-06	1.18E-06	1.61E-06	6.00E-07	3.22E-06	1.18E-06
5826	489577	3859395	1.02E-02	9.91E-03	9.78E-03	3.52E-06	1.06E-05	6.15E-06	6.00E-06	5.44E-06	2.48E-06	2.45E-06	0.00E+00	0.00E+00	1.13E-06	2.04E-07	1.29E-06	1.99E-07	1.90E-07	3.01E-06	3.21E-06	1.18E-06	1.60E-06	5.98E-07	3.21E-06	1.18E-06
5827	489493.8	3859349	1.01E-02	9.82E-03	9.69E-03	3.48E-06	1.05E-05	6.09E-06	5.94E-06	5.38E-06	2.46E-06	2.42E-06	0.00E+00	0.00E+00	1.12E-06	2.02E-07	1.28E-06	1.97E-07	1.88E-07	2.99E-06	3.17E-06	1.16E-06	1.58E-06	5.92E-07	3.17E-06	1.16E-06
5828	489321.3	3859240	1.22E-02	1.19E-02	1.17E-02	4.21E-06	1.27E-05	7.35E-06	7.18E-06	6.50E-06	2.97E-06	2.93E-06	0.00E+00	0.00E+00	1.35E-06	2.44E-07	1.55E-06	2.38E-07	2.27E-07	3.61E-06	3.84E-06	1.41E-06	1.91E-06	7.15E-07	3.84E-06	1.41E-06
5829	489235.4	3859194	1.17E-02	1.15E-02	1.13E-02	4.06E-06	1.23E-05	7.10E-06	6.93E-06	6.28E-06	2.87E-06	2.83E-06	0.00E+00	0.00E+00	1.31E-06	2.35E-07	1.49E-06	2.30E-07	2.19E-07	3.48E-06	3.70E-06	1.36E-06	1.85E-06	6.91E-07	3.70E-06	1.36E-06
5830	489149.5	3859148	1.09E-02	1.06E-02	1.05E-02	3.78E-06	1.14E-05	6.60E-06	6.44E-06	5.84E-06	2.66E-06	2.63E-06	0.00E+00	0.00E+00	1.21E-06	2.19E-07	1.39E-06	2.14E-07	2.03E-07	3.24E-06	3.44E-06	1.26E-06	1.72E-06	6.42E-07	3.44E-06	1.26E-06
5831	489063.7	3859102	1.03E-02	1.01E-02	9.94E-03	3.57E-06	1.08E-05	6.24E-06	6.09E-06	5.52E-06	2.52E-06	2.49E-06	0.00E+00	0.00E+00	1.15E-06	2.07E-07	1.31E-06	2.02E-07	1.93E-07	3.06E-06	3.26E-06	1.19E-06	1.63E-06	6.08E-07	3.26E-06	1.19E-06
5832	488977.8	3859056	9.66E-03	9.43E-03	9.30E-03	3.34E-06	1.01E-05	5.85E-06	5.70E-06	5.17E-06	2.36E-06	2.33E-06	0.00E+00	0.00E+00	1.08E-06	1.94E-07	1.23E-06	1.89E-07	1.80E-07	2.87E-06	3.05E-06	1.12E-06	1.52E-06	5.69E-07	3.05E-06	1.12E-06
5833	488891.9	3859010	8.92E-03	8.71E-03	8.59E-03	3.09E-06	9.33E-06	5.40E-06	5.27E-06	4.78E-06	2.18E-06	2.15E-06	0.00E+00	0.00E+00	9.93E-07	1.79E-07	1.13E-06	1.75E-07	1.67E-07	2.65E-06	2.82E-06	1.03E-06	1.41E-06	5.25E-07	2.82E-06	1.03E-06
5834	488808	3859061	3.51E-03	3.42E-03	3.38E-03	1.21E-06	3.67E-06	2.12E-06	2.07E-06	1.88E-06	8.57E-07	8.46E-07	0.00E+00	0.00E+00	3.91E-07	7.03E-08	4.46E-07	6.88E-08	6.55E-08	1.04E-06	1.11E-06	4.06E-07	5.53E-07	2.07E-07	1.11E-06	4.06E-07
5835	488809.9	3859158	2.24E-03	2.19E-03	2.16E-03	7.75E-07	2.34E-06	1.36E-06	1.32E-06	1.20E-06	5.47E-07	5.40E-07	0.00E+00	0.00E+00	2.49E-07	4.49E-08	2.85E-07	4.39E-08	4.18E-08	6.65E-07	7.07E-07	2.59E-07	3.53E-07	1.32E-07	7.07E-07	2.59E-07
5836	488811.9	3859255	1.66E-03	1.62E-03	1.60E-03	5.75E-07	1.74E-06	1.01E-06	9.81E-07	8.89E-07	4.06E-07	4.00E-07	0.00E+00	0.00E+00	1.85E-07	3.33E-08	2.11E-07	3.26E-08	3.10E-08	4.93E-07	5.24E-07	1.92E-07	2.62E-07	9.78E-08	5.24E-07	1.92E-07
5837	488813.8	3859352	1.33E-03	1.30E-03	1.28E-03	4.61E-07	1.39E-06	8.06E-07	7.86E-07	7.13E-07	3.25E-07	3.21E-07	0.00E+00	0.00E+00	1.48E-07	2.67E-08	1.69E-07	2.61E-08	2.48E-08	3.95E-07	4.20E-07	1.54E-07	2.10E-07	7.84E-08	4.20E-07	1.54E-07
5838	488815.7	3859449	1.12E-03	1.09E-03	1.08E-03	3.87E-07	1.17E-06	6.77E-07	6.61E-07	5.99E-07	2.73E-07	2.70E-07	0.00E+00	0.00E+00	1.25E-07	2.24E-08	1.42E-07	2.19E-08	2.09E-08	3.32E-07	3.53E-07	1.30E-07	1.76E-07	6.59E-08	3.53E-07	1.30E-07
5839	488910	3859547	1.04E-03	1.02E-03	1.01E-03	3.61E-07	1.09E-06	6.32E-07	6.16E-07	5.59E-07	2.55E-07	2.52E-07	0.00E+00	0.00E+00	1.16E-07	2.09E-08	1.33E-07	2.05E-08	1.95E-08	3.10E-07	3.29E-07	1.21E-07	1.64E-07	6.14E-08	3.29E-07	1.21E-07
5840	489002.5	3859548	1.14E-03	1.11E-03	1.09E-03	3.94E-07	1.19E-06	6.88E-07	6.71E-07	6.08E-07	2.78E-07	2.74E-07	0.00E+00	0.00E+00	1.27E-07	2.28E-08	1.45E-07	2.23E-08	2.12E-08	3.37E-07	3.59E-07	1.32E-07	1.79E-07	6.69E-08	3.59E-07	1.32E-07
5841	489094.9	3859549	1.25E-03	1.22E-03	1.20E-03	4.33E-07	1.31E-06	7.57E-07	7.39E-07	6.70E-07	3.06E-07	3.02E-07	0.00E+00	0.00E+00	1.39E-07	2.51E-08	1.59E-07	2.45E-08	2.33E-08	3.71E-07	3.95E-07	1.45E-07	1.97E-07	7.37E-08	3.95E-07	1.45E-07
5842	489230.1	3859602	1.31E-03	1.28E-03	1.26E-03	4.53E-07	1.37E-06	7.91E-07	7.72E-07	7.00E-07	3.19E-07	3.15E-07	0.00E+00	0.00E+00	1.46E-07	2.62E-08	1.66E-07	2.56E-08	2.44E-08	3.88E-07	4.13E-07	1.51E-07	2.06E-07	7.70E-08	4.13E-07	1.51E-07
5843	489227.5	3859681	1.13E-03	1.10E-03	1.08E-03	3.90E-07	1.18E-06	6.82E-07	6.65E-07	6.03E-07	2.75E-07	2.71E-07	0.00E+00	0.00E+00	1.25E-07	2.26E-08	1.43E-07	2.21E-08	2.10E-08	3.34E-07	3.56E-07	1.30E-07	1.77E-07	6.63E-08	3.56E-07	1.30E-07
5844	489133.5	3859760	9.26E-04	9.03E-04	8.91E-04	3.20E-07	9.67E-07	5.60E-07	5.47E-07	4.95E-07	2.26E-07	2.23E-07	0.00E+00	0.00E+00	1.03E-07	1.85E-08	1.18E-07	1.82E-08	1.73E-08	2.75E-07	2.92E-07	1.07E-07	1.46E-07	5.45E-08	2.92E-07	1.07E-07
5845	489042	3859761	8.66E-04	8.45E-04	8.34E-04	3.00E-07	9.05E-07	5.24E-07	5.11E-07	4.64E-07	2.12E-07	2.09E-07	0.00E+00	0.00E+00	9.64E-08	1.74E-08	1.10E-07	1.70E-08	1.62E-08	2.57E-07	2.73E-07	1.00E-07	1.36E-07	5.10E-08	2.73E-07	1.00E-07

5846	488950.5	3859761	8.14E-04	7.94E-04	7.84E-04	2.82E-07	8.51E-07	4.93E-07	4.81E-07	4.36E-07	1.99E-07	1.96E-07	0.00E+00	0.00E+00	9.06E-08	1.63E-08	1.04E-07	1.60E-08	1.52E-08	2.42E-07	2.57E-07	9.42E-08	1.28E-07	4.79E-08	2.57E-07	9.42E-08
5847	488858.9	3859761	7.69E-04	7.51E-04	7.41E-04	2.66E-07	8.04E-07	4.65E-07	4.54E-07	4.12E-07	1.88E-07	1.85E-07	0.00E+00	0.00E+00	8.56E-08	1.54E-08	9.78E-08	1.51E-08	1.44E-08	2.28E-07	2.43E-07	8.90E-08	1.21E-07	4.53E-08	2.43E-07	8.90E-08
5848	488767.4	3859762	7.27E-04	7.10E-04	7.00E-04	2.52E-07	7.60E-07	4.40E-07	4.29E-07	3.89E-07	1.78E-07	1.75E-07	0.00E+00	0.00E+00	8.10E-08	1.46E-08	9.25E-08	1.43E-08	1.36E-08	2.16E-07	2.30E-07	8.42E-08	1.15E-07	4.28E-08	2.30E-07	8.42E-08
5849	488675.9	3859762	6.92E-04	6.75E-04	6.66E-04	2.39E-07	7.23E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.67E-07	0.00E+00	0.00E+00	7.70E-08	1.39E-08	8.80E-08	1.36E-08	1.29E-08	2.05E-07	2.18E-07	8.01E-08	1.09E-07	4.07E-08	2.18E-07	8.01E-08
5850	488584.4	3859763	6.58E-04	6.42E-04	6.34E-04	2.28E-07	6.88E-07	3.98E-07	3.89E-07	3.52E-07	1.61E-07	1.59E-07	0.00E+00	0.00E+00	7.33E-08	1.32E-08	8.37E-08	1.29E-08	1.23E-08	1.95E-07	2.08E-07	7.62E-08	1.04E-07	3.88E-08	2.08E-07	7.62E-08
5851	488492.9	3859763	6.30E-04	6.15E-04	6.06E-04	2.18E-07	6.58E-07	3.81E-07	3.72E-07	3.37E-07	1.54E-07	1.52E-07	0.00E+00	0.00E+00	7.01E-08	1.26E-08	8.01E-08	1.24E-08	1.18E-08	1.87E-07	1.99E-07	7.29E-08	9.92E-08	3.71E-08	1.99E-07	7.29E-08
5852	488402.8	3859831	5.78E-04	5.64E-04	5.56E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.43E-08	1.16E-08	7.35E-08	1.13E-08	1.08E-08	1.72E-07	1.82E-07	6.69E-08	9.10E-08	3.40E-08	1.82E-07	6.69E-08
5853	488404.1	3859899	5.54E-04	5.41E-04	5.34E-04	1.92E-07	5.79E-07	3.35E-07	3.27E-07	2.97E-07	1.35E-07	1.34E-07	0.00E+00	0.00E+00	6.17E-08	1.11E-08	7.05E-08	1.09E-08	1.03E-08	1.65E-07	1.75E-07	6.42E-08	8.73E-08	3.26E-08	1.75E-07	6.42E-08
5854	488505.2	3859965	5.55E-04	5.41E-04	5.34E-04	1.92E-07	5.80E-07	3.36E-07	3.28E-07	2.97E-07	1.35E-07	1.34E-07	0.00E+00	0.00E+00	6.17E-08	1.11E-08	7.05E-08	1.09E-08	1.04E-08	1.65E-07	1.75E-07	6.42E-08	8.74E-08	3.27E-08	1.75E-07	6.42E-08
5855	488604.8	3859964	5.75E-04	5.62E-04	5.54E-04	1.99E-07	6.01E-07	3.48E-07	3.40E-07	3.08E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.41E-08	1.15E-08	7.32E-08	1.13E-08	1.07E-08	1.71E-07	1.82E-07	6.66E-08	9.07E-08	3.39E-08	1.82E-07	6.66E-08
5856	488704.5	3859963	5.99E-04	5.85E-04	5.77E-04	2.08E-07	6.27E-07	3.63E-07	3.54E-07	3.21E-07	1.46E-07	1.44E-07	0.00E+00	0.00E+00	6.67E-08	1.20E-08	7.62E-08	1.18E-08	1.12E-08	1.78E-07	1.89E-07	6.94E-08	9.44E-08	3.53E-08	1.89E-07	6.94E-08
5857	488804.2	3859961	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.55E-07	3.79E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	0.00E+00	0.00E+00	6.98E-08	1.26E-08	7.97E-08	1.23E-08	1.17E-08	1.86E-07	1.98E-07	7.26E-08	9.88E-08	3.69E-08	1.98E-07	7.26E-08
5858	488903.9	3859960	6.58E-04	6.42E-04	6.33E-04	2.28E-07	6.87E-07	3.98E-07	3.88E-07	3.52E-07	1.61E-07	1.58E-07	0.00E+00	0.00E+00	7.32E-08	1.32E-08	8.36E-08	1.29E-08	1.23E-08	1.95E-07	2.08E-07	7.61E-08	1.04E-07	3.87E-08	2.08E-07	7.61E-08
5859	489003.5	3859959	6.90E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.69E-07	1.69E-07	1.66E-07	0.00E+00	0.00E+00	7.68E-08	1.38E-08	8.78E-08	1.35E-08	1.29E-08	2.05E-07	2.18E-07	7.99E-08	1.09E-07	4.06E-08	2.18E-07	7.99E-08
5860	489103.2	3859958	7.28E-04	7.10E-04	7.01E-04	2.52E-07	7.61E-07	4.40E-07	4.30E-07	3.89E-07	1.78E-07	1.75E-07	0.00E+00	0.00E+00	8.10E-08	1.46E-08	9.25E-08	1.43E-08	1.36E-08	2.16E-07	2.30E-07	8.42E-08	1.15E-07	4.28E-08	2.30E-07	8.42E-08
5861	489201.5	3860047	7.05E-04	6.88E-04	6.79E-04	2.44E-07	7.37E-07	4.27E-07	4.16E-07	3.77E-07	1.72E-07	1.70E-07	0.00E+00	0.00E+00	7.85E-08	1.41E-08	8.97E-08	1.38E-08	1.32E-08	2.09E-07	2.23E-07	8.16E-08	1.11E-07	4.15E-08	2.23E-07	8.16E-08
5862	489200.1	3860137	6.53E-04	6.38E-04	6.29E-04	2.26E-07	6.83E-07	3.95E-07	3.86E-07	3.50E-07	1.60E-07	1.57E-07	0.00E+00	0.00E+00	7.27E-08	1.31E-08	8.31E-08	1.28E-08	1.22E-08	1.94E-07	2.06E-07	7.56E-08	1.03E-07	3.85E-08	2.06E-07	7.56E-08
5863	489198.7	3860227	6.12E-04	5.98E-04	5.90E-04	2.12E-07	6.40E-07	3.71E-07	3.62E-07	3.28E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.82E-08	1.23E-08	7.79E-08	1.20E-08	1.14E-08	1.82E-07	1.93E-07	7.09E-08	9.65E-08	3.60E-08	1.93E-07	7.09E-08
5864	489197.4	3860317	5.77E-04	5.63E-04	5.56E-04	2.00E-07	6.03E-07	3.49E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.42E-08	1.16E-08	7.34E-08	1.13E-08	1.08E-08	1.71E-07	1.82E-07	6.68E-08	9.09E-08	3.40E-08	1.82E-07	6.68E-08
5865	489196	3860407	5.44E-04	5.31E-04	5.24E-04	1.88E-07	5.69E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	6.06E-08	1.09E-08	6.92E-08	1.07E-08	1.02E-08	1.62E-07	1.72E-07	6.30E-08	8.57E-08	3.20E-08	1.72E-07	6.30E-08
5866	489194.6	3860497	5.10E-04	4.98E-04	4.91E-04	1.77E-07	5.33E-07	3.09E-07	3.01E-07	2.73E-07	1.25E-07	1.23E-07	0.00E+00	0.00E+00	5.68E-08	1.02E-08	6.49E-08	1.00E-08	9.52E-09	1.51E-07	1.61E-07	5.91E-08	8.04E-08	3.00E-08	1.61E-07	5.91E-08
5867	489193.3	3860587	4.79E-04	4.68E-04	4.61E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.33E-08	9.60E-09	6.09E-08	9.40E-09	8.94E-09	1.42E-07	1.51E-07	5.55E-08	7.55E-08	2.82E-08	1.51E-07	5.55E-08
5868	489092	3860678	4.38E-04	4.27E-04	4.21E-04	1.52E-07	4.57E-07	2.65E-07	2.58E-07	2.34E-07	1.07E-07	1.05E-07	0.00E+00	0.00E+00	4.87E-08	8.77E-09	5.57E-08	8.58E-09	8.17E-09	1.30E-07	1.38E-07	5.07E-08	6.90E-08	2.58E-08	1.38E-07	5.07E-08
5869	488992.1	3860680	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.28E-07	1.04E-07	1.02E-07	0.00E+00	0.00E+00	4.73E-08	8.52E-09	5.41E-08	8.34E-09	7.93E-09	1.26E-07	1.34E-07	4.92E-08	6.70E-08	2.50E-08	1.34E-07	4.92E-08
5870	488892.2	3860681	4.14E-04	4.04E-04	3.99E-04	1.43E-07	4.33E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	9.99E-08	0.00E+00	0.00E+00	4.61E-08	8.31E-09	5.27E-08	8.13E-09	7.73E-09	1.23E-07	1.31E-07	4.80E-08	6.53E-08	2.44E-08	1.31E-07	4.80E-08
5871	488792.4	3860682	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.44E-07	2.38E-07	2.16E-07	9.86E-08	9.73E-08	0.00E+00	0.00E+00	4.49E-08	8.09E-09	5.13E-08	7.92E-09	7.53E-09	1.20E-07	1.27E-07	4.67E-08	6.36E-08	2.38E-08	1.27E-07	4.67E-08
5872	488692.5	3860684	3.94E-04	3.85E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.33E-07	2.11E-07	9.63E-08	9.50E-08	0.00E+00	0.00E+00	4.39E-08	7.90E-09	5.01E-08	7.73E-09	7.35E-09	1.17E-07	1.24E-07	4.56E-08	6.21E-08	2.32E-08	1.24E-07	4.56E-08
5873	488592.6	3860685	3.85E-04	3.75E-04	3.70E-04	1.33E-07	4.02E-07	2.33E-07	2.27E-07	2.06E-07	9.39E-08	9.27E-08	0.00E+00	0.00E+00	4.28E-08	7.71E-09	4.89E-08	7.54E-09	7.18E-09	1.14E-07	1.21E-07	4.45E-08	6.06E-08	2.26E-08	1.21E-07	4.45E-08
5874	488492.7	3860686	3.77E-04	3.68E-04	3.63E-04	1.30E-07	3.94E-07	2.28E-07	2.22E-07	2.02E-07	9.20E-08	9.08E-08	0.00E+00	0.00E+00	4.19E-08	7.55E-09	4.79E-08	7.39E-09	7.03E-09	1.12E-07	1.19E-07	4.36E-08	5.93E-08	2.22E-08	1.19E-07	4.36E-08
5875	488299.1	3860762	3.53E-04	3.45E-04	3.40E-04	1.22E-07	3.69E-07	2.14E-07	2.08E-07	1.89E-07	8.62E-08	8.51E-08	0.00E+00	0.00E+00	3.93E-08	7.08E-09	4.49E-08	6.92E-09	6.59E-09	1.05E-07	1.11E-07	4.09E-08	5.56E-08	2.08E-08	1.11E-07	4.09E-08
5876	488205.3	3860764	3.46E-04	3.38E-04	3.34E-04	1.20E-07	3.62E-07	2.10E-07	2.05E-07	1.85E-07	8.46E-08	8.35E-08	0.00E+00	0.00E+00	3.86E-08	6.94E-09	4.41E-08	6.79E-09	6.46E-09	1.03E-07	1.09E-07	4.01E-08	5.46E-08	2.04E-08	1.09E-07	4.01E-08
5877	488111.6	3860766	3.39E-04	3.31E-04	3.26E-04	1.17E-07	3.54E-07	2.05E-07	2.00E-07	1.81E-07	8.28E-08	8.17E-08	0.00E+00	0.00E+00	3.77E-08	6.79E-09	4.31E-08	6.65E-09	6.32E-09	1.01E-07	1.07E-07	3.92E-08	5.34E-08	2.00E-08	1.07E-07	3.92E-08
5878	488017.8	3860768	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.11E-08	8.00E-08	0.00E+00	0.00E+00	3.69E-08	6.65E-09	4.22E-08	6.51E-09	6.19E-09	9.85E-08	1.05E-07	3.84E-08	5.23E-08	1.95E-08	1.05E-07	3.84E-08
5879	487924.1	3860770	3.24E-04	3.17E-04	3.12E-04	1.12E-07	3.39E-07	1.96E-07	1.92E-07	1.74E-07	7.92E-08	7.82E-08	0.00E+00	0.00E+00	3.61E-08	6.50E-09	4.13E-08	6.36E-09	6.05E-09	9.63E-08	1.02E-07	3.76E-08	5.11E-08	1.91E-08	1.02E-07	3.76E-08
5880	487830.3	3860772	3.19E-04	3.11E-04	3.07E-04	1.10E-07	3.33E-07	1.93E-07	1.88E-07	1.71E-07	7.78E-08	7.68E-08	0.00E+00	0.00E+00	3.55E-08	6.39E-09	4.05E-08	6.25E-09	5.95E-09	9.46E-08	1.01E-07	3.69E-08	5.02E-08	1.88E-08	1.01E-07	3.69E-08
5881	487736.6	3860774	3.12E-04	3.05E-04	3.01E-04	1.08E-07	3.27E-07	1.89E-07	1.84E-07	1.67E-07	7.63E-08	7.53E-08	0.00E+00	0.00E+00	3.48E-08	6.26E-09	3.97E-08	6.13E-09	5.83E-09	9.27E-08	9.86E-08	3.62E-08	4.92E-08	1.84E-08	9.86E-08	3.62E-08
5882	487642.8	3860776	3.07E-04	3.00E-04	2.96E-04	1.06E-07	3.21E-07	1.86E-07	1.82E-07	1.65E-07	7.51E-08	7.41E-08	0.00E+00	0.00E+00	3.42E-08	6.16E-09	3.91E-08	6.03E-09	5.74E-09	9.12E-08	9.70E-08	3.56E-08	4.84E-08	1.81E-08	9.70E-08	3.56E-08
5883	487549.5	3860685	3.12E-04	3.04E-04	3.00E-04	1.08E-07	3.26E-07	1.89E-07	1.84E-07	1.67E-07	7.62E-08	7.52E-08	0.00E+00	0.00E+00	3.47E-08	6.25E-09	3.97E-08	6.12E-09	5.82E-09	9.26E-08	9.85E-08	3.61E-08	4.91E-08	1.84E-08	9.85E-08	3.61E-08
5884	487549.9	3860592	3.22E-04	3.14E-04	3.10E-04	1.11E-07	3.36E-07	1.95E-07	1.90E-07	1.72E-07	7.85E-08	7.75E-08	0.00E+00	0.00E+00	3.58E-08	6.44E-09	4.09E-08	6.31E-09	6.00E-09	9.54E-08	1.01E-07	3.72E-08	5.07E-08	1.89E-08	1.01E-07	3.72E-08
5885	487550.3	3860499	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.12E-08	8.01E-08	0.00E+00	0.00E+00	3.70E-08	6.66E-09	4.23E-08	6.52E-09	6.20E-09	9.86E-08	1.05E-07	3.85E-08	5.24E-08	1.96E-08	1.05E-07	3.85E-08
5886	487550.8	3860406	3.46E-04	3.37E-04	3.33E-04	1.20E-07	3.61E-07	2.09E-07	2.04E-07	1.85E-07	8.44E-08	8.33E-08	0.00E+00	0.00E+00	3.85E-08	6.93E-09	4.39E-08	6.78E-09	6.45E-09	1.03E-07	1.09E-07	4.00E-08	5.44E-08	2.03E-08	1.09E-07	4.00E-08
5887	487551.2	3860314	3.60E-04	3.51E-04	3.47E-04	1.25E-07	3.76E-07	2.18E-07	2.13E-07	1.93E-07	8.79E-08	8.68E-08	0.00E+00	0.00E+00	4.01E-08	7.22E-09	4.58E-08	7.06E-09	6.72E-09	1.07E-07	1.14E-07	4.17E-08	5.67E-08	2.12E-08	1.14E-07	4.17E-08
5888	487551.6	3860221	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.28E-07	2.22E-07	2.01E-07	9.19E-08	9.07E-08	0.00E+00	0.00E+00	4.19E-08	7.54E-09	4.79E-08	7.38E-09	7.02E-09	1.12E-07	1.19E-07	4.36E-08	5.93E-08	2.22E-08	1.19E-07	4.36E-08
5889	487552.1	3860128	3.95E-04	3.85E-04	3.80E-04	1.37E-07	4.12E-07	2.39E-07	2.33E-07	2.11E-07	9.64E-08	9.51E-08	0.00E+00	0.00E+00	4.39E-08	7.91E-09	5.02E-08	7.74E-09	7.36E-09	1.17E-07	1.25E-07	4.57E-08	6.22E-08	2.32E-08	1.25E-07	4.57E-08
5890	487552.5	3860036	4.12E-04	4.02E-04	3.97E-04	1.43E-07	4.31E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.93E-08	0.00E+00	0.00E+00	4.59E-08	8.26E-09	5.24E-08	8.08E-09	7.69E-09	1.22E-07	1.30E-07	4.77E-08	6.49E-08	2.43E-08	1.30E-07	4.77E-08
5891	487552.9	3859943	4.26E-04	4.16E-04	4.11E-04	1.48E-07	4.46E-07	2.58E-07	2.52E-07	2.28E-07	1.04E-07	1.03E-07	0.00E+00	0.00E+00	4.75E-08	8.55E-09	5.42E-08	8.36E-09	7.96E-09	1.27E-07	1.35E-07	4.94E-08	6.72E-08	2.51E-08	1.35E-07	4.94E-08
5892	487553.3	3859850	4.42E-04	4.32E-04	4.26E-04	1.53E-07	4.62E-07	2.68E-07	2.61E-07	2.37E-07	1.08E-07	1.07E-07	0.00E+00	0.00E+00	4.92E-08	8.86E-09	5.62E-08	8.67E-09	8.25E-09	1.31E-07	1.40E-07	5.12E-08	6.97E-08	2.60E-08	1.40E-07	5.12E-08
5893	487553.8	3859757	4.57E-04	4.46E-04	4.40E-04	1.58E-07	4.78E-07	2.77E-07	2.70E-07	2.45E-07	1.12E-07	1.10E-07	0.00E+00	0.00E+00	5.09E-08	9.16E-09	5.81E-08	8.97E-09	8.53E-09	1.36E-07	1.44E-07	5.29E-08	7.20E-08	2.69E-08	1.44E-07	5.29E-08
5894	487554.2	3859665	4.73E-04	4.62E-04	4.55E-04	1.64E-07	4.94E-07	2.86E-07	2.79E-07	2.53E-07	1.16E-07	1.14E-07	0.00E+00	0.00E+00	5.26E-08	9.48E-09	6.01E-08	9.28E-09	8.83E-09	1.40E-07	1.49E-07	5.47E-08	7.45E-08	2.78E-08	1.49E-07	5.47E-08
5895	487460.2	3859571	4.79E-04	4.67E-04	4.61E-04	1.66E-07	5.00E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.33E-08	9.60E-09	6.09E-08	9.39E-09	8.93E-09	1.42E-07	1.51E-07	5.54E-08	7.54E-08	2.82E-08	1.51E-07	5.54E-08
5896	487365.8	3859570	4.66E-04	4.55E-04	4.49E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.50E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	5.19E-08	9.35E-09	5.93E-08	9.15E-09	8.70E-09	1.38E-07	1.47E-07	5.40E-08	7.35E-08	2.75E-08	1.47E-07	5.40E-08
5897	487271.4	3859569	4.55E-04	4.44E-04	4.38E-04	1.57E-07	4.75E-07	2.75E-07	2.68E-07	2.43E-07	1.11E-07	1.10E-07	0.00E+00	0.00E+00	5.06E-08	9.11E-09	5.78E-08	8.92E-09	8.48E-09	1.35E-07	1.44E-07	5.26E-08	7.16E-08	2.68E-08	1.44E-07	5.26E-08
5898	487176.9	3859569	4.43E-04	4.32E-04	4.27E-04	1.53E-07	4.63E-07	2.68E-07	2.62E-07	2.37E-07	1.08E-07	1.07E-07	0.00E+00	0.00E+00	4.93E-08	8.88E-09	5.63E-08	8.69E-09	8.27E-09	1.32E-07	1.40E-07	5.13E-08	6.98E-08	2.61E-08	1.40E-07	5.13E-08
5899	487082.5	3859568	4.33E-04	4.23E-04	4.17E-04	1.50E-07	4.53E-07	2.62E-07	2.56E-07	2.32E-07	1.06E-07	1.04E-07	0.00E+00	0.00E+00	4.82E-08	8.68E-09	5.51E-08	8.49E-09	8.08E-09	1.29E-07	1.37E-07	5.01E-08	6.82E-08	2.55E-08	1.37E-07	5.01E-08
5900	486988.1	3859567	4.23E-04	4.13E-04	4.07E-04	1.46E-07	4.42E-07	2.56E-07	2.50E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.71E-08	8.47E-09	5.38E-08	8.29E-09	7.89E-09	1.25E-07	1.33E-07	4.89E-08	6.66E-08	2.49E-08	1.33E-07	4.89E-08
5901	486893.7	3859566	4.14E-04	4.04E-04	3.98E-04	1.43E-07	4.32E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.97E-08	0.00E+00	0.00E+00	4.60E-08	8.29E-09	5.26E-08	8.11E-09	7.72E-09	1.23E-07	1.31E-07	4.79E-08	6.52E-08	2.43E-08	1.31E-07	4.79E-08
5902	486799.3	3859566	4.05E-04	3.95E-04	3.90E-04	1.40E-07	4.23E-07	2.45E-07	2.39E-07	2.17E-07	9.89E-08	9.76E-08	0.00E+00	0.00E+00	4.51E-08	8.12E-09	5.15E-08	7.94E-09	7.56E-09	1.20E-07	1.28E-07	4.69E-08	6.38E-08	2.38E-08	1.28E-07	4.69E-08
5903	486704.8	3859565	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.12E-07	9.69E-08	9.56E-08	0.00E+00	0.00E+00	4.41E-08	7.95E-09	5.04E-08	7.78E-09	7.40E-09	1.18E-07	1.25E-07	4.59E-08	6.25E-08	2.33E-08	1.25E-07	4.59E-08
5904	486610.4	3859564	3.89E-04	3.80E-04	3.75E-04	1.35E-07	4.07E-07	2.35E-07	2.30E-07	2.08E-07	9.50E-08	9.38E-08	0.00E+00	0.00E+00	4.33E-08	7.80E-09	4.95E-08	7.63E-09	7.26E-09	1.15E-07	1.23E-07	4.50E-08	6.13E-08	2.29E-08	1.23E-07	4.50E-08
5905	486516	3859563	3.81E-04	3.72E-04	3.67E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.30E-08	9.18E-08	0.00E+00	0.00E+00	4.24E-08	7.63E-09	4.84E-08	7.47E-09	7.11E-09	1.13E-07	1.20E-07	4.41E-08	6.00E-08	2.24E-08	1.20E-07	4.41E-08
5906	486421.6	3859562	3.73E-04	3.64E-04	3.60E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.12E-08	9.00E-08	0.00E+00	0.00E+00	4.16E-08	7.48E-09	4.75E-08	7.32E-09	6.97E-09	1.11E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
5907	486327.1	3859562	3.67E-04	3.58E-04	3.54E-04	1.27E-07	3.84E-07	2.22E-07	2.17E-07	1.97E-07	8.97E-08	8.85E-08	0.00E+00	0.00E+00	4.09E-08	7.36E-09	4.67E-08	7.20E-09	6.85E-09	1.09E-07	1.16E-07	4.25E-08	5.78E-08	2.16E-08	1.16E-07	4.25E-08
5908	486232.7	3859561	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	0.00E+00	0.00E+00	4.00E-08	7.21E-09	4.57E-08	7.05E-09	6.71E-09	1.07E-07	1.14E-07	4.16E-08	5.67E-08	2.12E-08	1.14E-07	4.16E-08
5909	486138.3	3859560	3.53E-04	3.45E-04	3.40E-04	1.22E-07	3.69E-07	2.14E-07	2.08E-07	1.89E-07	8.62E-08	8.51E-08	0.00E+00	0.00E+00	3.93E-08	7.08E-09	4.49E-08	6.92E-09	6.59E-09	1.05E-07	1.11E-07	4.09E-08	5.56E-08	2.08E-08	1.11E-07	4.09E-08
5910	486043.9	3859559	3.46E-04	3.38E-04	3.33E-04	1.20E-07	3.62E-07	2.09E-07	2.04E-07	1.85E-07	8.45E-08	8.34E-08	0.00E+00	0.00E+00	3.85E-08	6.93E-09	4.40E-08	6.79E-09	6.46E-09	1.03E-07	1.09E-07	4.01E-08	5.45E-08	2.04E-08	1.09E-07	4.01E-08
5911	485949.4	3859464	3.48E-04	3.40E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.06E-07	1.87E-07	8.51E-08	8.40E-08	0.00E+00	0.00E+00	3.88E-08	6.98E-09	4.43E-08	6.83E-09	6.50E-09	1.03E-07	1.10E-07	4.03E-08	5.49E-08	2.05E-08	1.10E-07	4.03E-08
5912	485949.2	3859369	3.57E-04	3.49E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.72E-08	8.61E-08	0.00E+00	0.00E+00	3.98E-08	7.16E-09	4.54E-08	7.01E-09	6.67E-09	1.06E-07	1.13E-07	4.14E-08	5.63E-08	2.10E-08	1.13E-07	4.14E-08
5913	485949.1	3859274	3.66E-04	3.57E-04	3.52E-04	1.27E-07	3.82E-07	2.21E-07	2.16E-07	1.96E-07	8.94E-08	8.82E-08	0.00E+00	0.00E+00	4.07E-08	7.33E-09	4.65E-08	7.18E-09	6.83E-09	1.09E-07	1.15E-07	4.24E-08	5.76E-08	2.15E-08	1.15E-07	4.24E-08
5914	485949	3859179	3.75E-04	3.66E-04	3.61E-04	1.30E-07	3.92E-07	2.27E-07	2.21E-07	2.01E-07	9.16E-08	9.04E-08	0.00E+00	0.00E+00	4.17E-08	7.52E-09	4.77E-08	7.36E-09	7.00E-09	1.11E-07	1.18E-07	4.34E-08	5.91E-08	2.21E-08	1.18E-07	4.34E-08
5915	485948.9	3859084	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.04E-07	2.34E-07	2.28E-07	2.07E-07	9.43E-08	9.31E-08	0.00E+00	0.00E+00	4.30E-08	7.74E-09	4.91E-08	7.57E-09	7.21E-09	1.15E-07	1.22E-07	4.47E-08	6.08E-08	2.27E-08	1.22E-07	4.47E-08
5916	485948.8	3858989	4.00E-04	3.90E-04	3.85E-04	1.38E-07	4.18E-07	2.42E-07	2.36E-07	2.14E-07	9.76E-08	9.63E-08	0.00E+00	0.00E+00	4.45E-08	8.01E-09	5.08E-08	7.84E-09	7.45E-09	1.19E-07	1.26E-07	4.62E-08	6.29E-08	2.35E-08	1.26E-07	4.62E-08
5917	485948.7	3858894	4.14E-04	4.04E-04	3.99E-04	1.43E-07	4.33E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	9.99E-08	0.00E+00	0.00E+00	4.61E-08	8.31E-09	5.27E-08	8.13E-09	7.73E-09	1.23E-07	1.31E-07	4.80E-08	6.53E-08	2.44E-08	1.31E-07	4.80E-08
5918	485948.6	3858799	4.32E-04	4.22E-04	4.16E-04	1.50E-07	4.52E-07	2.62E-07	2.55E-07	2.31E-07	1.06E-07	1.04E-07	0.00E+00	0.00E+00	4.81E-08	8.66E-09	5.50E-08	8.48E-09	8.07E-09	1.28E-07	1.36E-07	5.00E-08	6.81E-08	2.54E-08	1.36E-07	5.00E-08
5919	485948.5	3858704	4.50E-04	4.39E-04	4.33E-04	1.56E-07	4.70E-07	2.72E-07	2.66E-07	2.41E-07	1.10E-07	1.08E-07	0.00E+00	0.00E+00	5.01E-08	9.02E-09	5.72E-08	8.83E-09	8.40E-09	1.34E-07	1.42E-07	5.21E-08	7.09E-08	2.65E-08	1.42E-07	5.21E-08
5920	485948.3	3858609	4.71E-04	4.60E-04	4.54E-04	1.63E-07	4.93E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.14E-07	0.00E+00	0.00E+00	5.25E-08	9.45E-09	5.99E-08	9.24E-09	8.79E-09	1.40E-07	1.49E-07	5.46E-08	7.42E-08	2.77E-08	1.49E-07	5.46E-08
5921	485948.2	3858514	4.94E-04	4.82E-04	4.75E-04	1.71E-07	5.16E-07	2.99E-07	2.92E-07	2.64E-07	1.21E-07	1.19E-07	0.00E+00	0.00E+00	5.50E-08	9.89E-09	6.28E-08	9.68E-09	9.21E-09	1.47E-07	1.56E-07	5.72E-08	7.78E-08	2.91E-08	1.56E-07	5.72E-08
5922	485948.1	3858419	5.18E-04	5.05E-04	4.99E-04	1.79E-07	5.41E-07	3.13E-07	3.06E-07	2.77E-07	1.26E-07	1.25E-07	0.00E+00	0.00E+00	5.76E-08	1.04E-08	6.58E-08	1.02E-08	9.66E-09	1.54E-07	1.63E-07	5.99E-08	8.16E-08	3.05E-08	1.63E-07	5.99E-08

5923	485948	3858324	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	0.00E+00	0.00E+00	6.09E-08	1.10E-08	6.95E-08	1.07E-08	1.02E-08	1.62E-07	1.73E-07	6.33E-08	8.61E-08	3.22E-08	1.73E-07	6.33E-08
5924	485947.9	3858229	5.78E-04	5.64E-04	5.56E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	0.00E+00	0.00E+00	6.43E-08	1.16E-08	7.35E-08	1.13E-08	1.08E-08	1.72E-07	1.82E-07	6.69E-08	9.10E-08	3.40E-08	1.82E-07	6.69E-08
5925	485947.8	3858134	6.14E-04	6.00E-04	5.92E-04	2.13E-07	6.42E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.84E-08	1.23E-08	7.81E-08	1.20E-08	1.15E-08	1.82E-07	1.94E-07	7.11E-08	9.68E-08	3.62E-08	1.94E-07	7.11E-08
5926	485947.7	3858039	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	0.00E+00	0.00E+00	7.38E-08	1.33E-08	8.43E-08	1.30E-08	1.24E-08	1.97E-07	2.09E-07	7.67E-08	1.04E-07	3.90E-08	2.09E-07	7.67E-08
5927	485854.5	3857943	6.74E-04	6.58E-04	6.49E-04	2.33E-07	7.05E-07	4.08E-07	3.98E-07	3.61E-07	1.65E-07	1.62E-07	0.00E+00	0.00E+00	7.50E-08	1.35E-08	8.57E-08	1.32E-08	1.26E-08	2.00E-07	2.13E-07	7.80E-08	1.06E-07	3.97E-08	2.13E-07	7.80E-08
5928	485761.5	3857943	6.38E-04	6.23E-04	6.14E-04	2.21E-07	6.67E-07	3.86E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	0.00E+00	0.00E+00	7.10E-08	1.28E-08	8.11E-08	1.25E-08	1.19E-08	1.89E-07	2.01E-07	7.39E-08	1.01E-07	3.76E-08	2.01E-07	7.39E-08
5929	485668.5	3857943	6.08E-04	5.94E-04	5.86E-04	2.11E-07	6.36E-07	3.68E-07	3.59E-07	3.26E-07	1.49E-07	1.47E-07	0.00E+00	0.00E+00	6.77E-08	1.22E-08	7.73E-08	1.19E-08	1.13E-08	1.81E-07	1.92E-07	7.04E-08	9.58E-08	3.58E-08	1.92E-07	7.04E-08
5930	485575.5	3857943	5.80E-04	5.66E-04	5.58E-04	2.01E-07	6.06E-07	3.51E-07	3.42E-07	3.10E-07	1.42E-07	1.40E-07	0.00E+00	0.00E+00	6.45E-08	1.16E-08	7.37E-08	1.14E-08	1.08E-08	1.72E-07	1.83E-07	6.71E-08	9.13E-08	3.41E-08	1.83E-07	6.71E-08
5931	485482.5	3857942	5.56E-04	5.42E-04	5.35E-04	1.92E-07	5.81E-07	3.36E-07	3.28E-07	2.97E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	6.18E-08	1.11E-08	7.06E-08	1.09E-08	1.04E-08	1.65E-07	1.75E-07	6.43E-08	8.75E-08	3.27E-08	1.75E-07	6.43E-08
5932	485389.5	3857942	5.34E-04	5.21E-04	5.14E-04	1.85E-07	5.58E-07	3.23E-07	3.15E-07	2.86E-07	1.30E-07	1.29E-07	0.00E+00	0.00E+00	5.94E-08	1.07E-08	6.78E-08	1.05E-08	9.96E-09	1.58E-07	1.68E-07	6.18E-08	8.40E-08	3.14E-08	1.68E-07	6.18E-08
5933	485296.5	3857942	5.13E-04	5.01E-04	4.94E-04	1.78E-07	5.36E-07	3.11E-07	3.03E-07	2.75E-07	1.25E-07	1.24E-07	0.00E+00	0.00E+00	5.71E-08	1.03E-08	6.53E-08	1.01E-08	9.58E-09	1.52E-07	1.62E-07	5.94E-08	8.08E-08	3.02E-08	1.62E-07	5.94E-08
5934	485203.5	3857942	4.96E-04	4.84E-04	4.77E-04	1.72E-07	5.18E-07	3.00E-07	2.93E-07	2.65E-07	1.21E-07	1.19E-07	0.00E+00	0.00E+00	5.52E-08	9.94E-09	6.30E-08	9.72E-09	9.25E-09	1.47E-07	1.56E-07	5.74E-08	7.81E-08	2.92E-08	1.56E-07	5.74E-08
5935	485110.4	3857941	4.78E-04	4.66E-04	4.60E-04	1.65E-07	5.00E-07	2.89E-07	2.82E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.32E-08	9.58E-09	6.08E-08	9.37E-09	8.92E-09	1.42E-07	1.51E-07	5.53E-08	7.53E-08	2.81E-08	1.51E-07	5.53E-08
5936	485017.4	3857941	4.61E-04	4.50E-04	4.44E-04	1.60E-07	4.82E-07	2.79E-07	2.72E-07	2.47E-07	1.13E-07	1.11E-07	0.00E+00	0.00E+00	5.13E-08	9.24E-09	5.86E-08	9.04E-09	8.60E-09	1.37E-07	1.45E-07	5.34E-08	7.26E-08	2.71E-08	1.45E-07	5.34E-08
5937	484924.4	3857941	4.45E-04	4.34E-04	4.29E-04	1.54E-07	4.65E-07	2.69E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.96E-08	8.92E-09	5.66E-08	8.73E-09	8.31E-09	1.32E-07	1.41E-07	5.15E-08	7.01E-08	2.62E-08	1.41E-07	5.15E-08
5938	484831.4	3857940	4.31E-04	4.20E-04	4.15E-04	1.49E-07	4.50E-07	2.61E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.79E-08	8.63E-09	5.48E-08	8.45E-09	8.04E-09	1.28E-07	1.36E-07	4.99E-08	6.78E-08	2.54E-08	1.36E-07	4.99E-08
5939	484738.1	3857859	4.30E-04	4.20E-04	4.14E-04	1.49E-07	4.50E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.79E-08	8.62E-09	5.47E-08	8.44E-09	8.03E-09	1.28E-07	1.36E-07	4.98E-08	6.78E-08	2.53E-08	1.36E-07	4.98E-08
5940	484737.9	3857778	4.46E-04	4.35E-04	4.29E-04	1.54E-07	4.66E-07	2.70E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.96E-08	8.93E-09	5.67E-08	8.74E-09	8.31E-09	1.32E-07	1.41E-07	5.16E-08	7.02E-08	2.62E-08	1.41E-07	5.16E-08
5941	484737.6	3857697	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	0.00E+00	0.00E+00	5.14E-08	9.26E-09	5.88E-08	9.06E-09	8.62E-09	1.37E-07	1.46E-07	5.35E-08	7.28E-08	2.72E-08	1.46E-07	5.35E-08
5942	484737.3	3857617	4.79E-04	4.68E-04	4.61E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.33E-08	9.60E-09	6.09E-08	9.40E-09	8.94E-09	1.42E-07	1.51E-07	5.55E-08	7.55E-08	2.82E-08	1.51E-07	5.55E-08
5943	484645.5	3857535	4.80E-04	4.68E-04	4.62E-04	1.66E-07	5.02E-07	2.90E-07	2.83E-07	2.57E-07	1.17E-07	1.16E-07	0.00E+00	0.00E+00	5.34E-08	9.62E-09	6.10E-08	9.41E-09	8.96E-09	1.42E-07	1.52E-07	5.56E-08	7.56E-08	2.83E-08	1.52E-07	5.56E-08
5944	484554	3857535	4.63E-04	4.51E-04	4.45E-04	1.60E-07	4.84E-07	2.80E-07	2.73E-07	2.48E-07	1.13E-07	1.11E-07	0.00E+00	0.00E+00	5.15E-08	9.27E-09	5.88E-08	9.07E-09	8.63E-09	1.37E-07	1.46E-07	5.35E-08	7.29E-08	2.72E-08	1.46E-07	5.35E-08
5945	484462.5	3857534	4.47E-04	4.36E-04	4.30E-04	1.55E-07	4.67E-07	2.70E-07	2.64E-07	2.39E-07	1.09E-07	1.08E-07	0.00E+00	0.00E+00	4.97E-08	8.95E-09	5.68E-08	8.76E-09	8.34E-09	1.33E-07	1.41E-07	5.17E-08	7.04E-08	2.63E-08	1.41E-07	5.17E-08
5946	484370.9	3857534	4.33E-04	4.22E-04	4.17E-04	1.50E-07	4.52E-07	2.62E-07	2.55E-07	2.32E-07	1.06E-07	1.04E-07	0.00E+00	0.00E+00	4.82E-08	8.67E-09	5.50E-08	8.49E-09	8.07E-09	1.28E-07	1.37E-07	5.01E-08	6.82E-08	2.55E-08	1.37E-07	5.01E-08
5947	484279.4	3857533	4.20E-04	4.10E-04	4.04E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.67E-08	8.41E-09	5.34E-08	8.23E-09	7.83E-09	1.25E-07	1.33E-07	4.86E-08	6.61E-08	2.47E-08	1.33E-07	4.86E-08
5948	484187.9	3857533	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.27E-07	2.47E-07	2.41E-07	2.19E-07	9.97E-08	9.84E-08	0.00E+00	0.00E+00	4.54E-08	8.18E-09	5.19E-08	8.01E-09	7.62E-09	1.21E-07	1.29E-07	4.73E-08	6.43E-08	2.40E-08	1.29E-07	4.73E-08
5949	484096.3	3857532	3.98E-04	3.88E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.72E-08	9.59E-08	0.00E+00	0.00E+00	4.43E-08	7.97E-09	5.06E-08	7.80E-09	7.42E-09	1.18E-07	1.26E-07	4.61E-08	6.27E-08	2.34E-08	1.26E-07	4.61E-08
5950	484004.8	3857532	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.06E-07	2.35E-07	2.29E-07	2.08E-07	9.48E-08	9.36E-08	0.00E+00	0.00E+00	4.32E-08	7.78E-09	4.94E-08	7.62E-09	7.25E-09	1.15E-07	1.23E-07	4.50E-08	6.12E-08	2.29E-08	1.23E-07	4.50E-08
5951	483913.3	3857531	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.26E-08	9.14E-08	0.00E+00	0.00E+00	4.22E-08	7.60E-09	4.82E-08	7.44E-09	7.08E-09	1.13E-07	1.20E-07	4.39E-08	5.97E-08	2.23E-08	1.20E-07	4.39E-08
5952	483821.7	3857531	3.71E-04	3.62E-04	3.57E-04	1.28E-07	3.88E-07	2.24E-07	2.19E-07	1.99E-07	9.06E-08	8.94E-08	0.00E+00	0.00E+00	4.13E-08	7.43E-09	4.72E-08	7.27E-09	6.92E-09	1.10E-07	1.17E-07	4.29E-08	5.84E-08	2.18E-08	1.17E-07	4.29E-08
5953	483729.6	3857450	3.72E-04	3.63E-04	3.58E-04	1.29E-07	3.89E-07	2.25E-07	2.19E-07	1.99E-07	9.08E-08	8.96E-08	0.00E+00	0.00E+00	4.14E-08	7.45E-09	4.73E-08	7.29E-09	6.94E-09	1.10E-07	1.17E-07	4.30E-08	5.86E-08	2.19E-08	1.17E-07	4.30E-08
5954	483729	3857370	3.82E-04	3.72E-04	3.68E-04	1.32E-07	3.99E-07	2.31E-07	2.25E-07	2.04E-07	9.32E-08	9.20E-08	0.00E+00	0.00E+00	4.25E-08	7.65E-09	4.85E-08	7.49E-09	7.12E-09	1.13E-07	1.20E-07	4.42E-08	6.01E-08	2.25E-08	1.20E-07	4.42E-08
5955	483728.4	3857290	3.92E-04	3.82E-04	3.77E-04	1.36E-07	4.09E-07	2.37E-07	2.31E-07	2.10E-07	9.56E-08	9.44E-08	0.00E+00	0.00E+00	4.36E-08	7.85E-09	4.98E-08	7.68E-09	7.31E-09	1.16E-07	1.24E-07	4.53E-08	6.17E-08	2.31E-08	1.24E-07	4.53E-08
5956	483727.9	3857210	4.02E-04	3.92E-04	3.87E-04	1.39E-07	4.20E-07	2.43E-07	2.37E-07	2.15E-07	9.82E-08	9.69E-08	0.00E+00	0.00E+00	4.48E-08	8.06E-09	5.11E-08	7.88E-09	7.50E-09	1.19E-07	1.27E-07	4.65E-08	6.33E-08	2.37E-08	1.27E-07	4.65E-08
5957	483641.2	3857129	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.44E-07	2.38E-07	2.16E-07	9.86E-08	9.73E-08	0.00E+00	0.00E+00	4.49E-08	8.09E-09	5.13E-08	7.92E-09	7.53E-09	1.20E-07	1.27E-07	4.67E-08	6.36E-08	2.38E-08	1.27E-07	4.67E-08
5958	483555	3857128	3.94E-04	3.84E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.32E-07	2.11E-07	9.62E-08	9.49E-08	0.00E+00	0.00E+00	4.38E-08	7.89E-09	5.01E-08	7.72E-09	7.35E-09	1.17E-07	1.24E-07	4.56E-08	6.20E-08	2.32E-08	1.24E-07	4.56E-08
5959	483468.9	3857127	3.84E-04	3.75E-04	3.70E-04	1.33E-07	4.02E-07	2.32E-07	2.27E-07	2.06E-07	9.38E-08	9.26E-08	0.00E+00	0.00E+00	4.28E-08	7.70E-09	4.89E-08	7.53E-09	7.17E-09	1.14E-07	1.21E-07	4.45E-08	6.05E-08	2.26E-08	1.21E-07	4.45E-08
5960	483382.8	3857126	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.28E-07	2.22E-07	2.01E-07	9.19E-08	9.07E-08	0.00E+00	0.00E+00	4.19E-08	7.54E-09	4.79E-08	7.38E-09	7.02E-09	1.12E-07	1.19E-07	4.36E-08	5.93E-08	2.22E-08	1.19E-07	4.36E-08
5961	483296.7	3857125	3.68E-04	3.60E-04	3.55E-04	1.28E-07	3.85E-07	2.23E-07	2.18E-07	1.97E-07	9.00E-08	8.88E-08	0.00E+00	0.00E+00	4.10E-08	7.38E-09	4.69E-08	7.22E-09	6.87E-09	1.09E-07	1.16E-07	4.26E-08	5.80E-08	2.17E-08	1.16E-07	4.26E-08
5962	483210.5	3857124	3.61E-04	3.52E-04	3.48E-04	1.25E-07	3.77E-07	2.18E-07	2.13E-07	1.93E-07	8.81E-08	8.70E-08	0.00E+00	0.00E+00	4.02E-08	7.23E-09	4.59E-08	7.08E-09	6.74E-09	1.07E-07	1.14E-07	4.18E-08	5.69E-08	2.12E-08	1.14E-07	4.18E-08
5963	483123.4	3857031	3.63E-04	3.55E-04	3.50E-04	1.26E-07	3.80E-07	2.20E-07	2.15E-07	1.95E-07	8.88E-08	8.76E-08	0.00E+00	0.00E+00	4.05E-08	7.28E-09	4.62E-08	7.13E-09	6.78E-09	1.08E-07	1.15E-07	4.21E-08	5.73E-08	2.14E-08	1.15E-07	4.21E-08
5964	483122.4	3856938	3.73E-04	3.64E-04	3.60E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.12E-08	9.00E-08	0.00E+00	0.00E+00	4.16E-08	7.48E-09	4.75E-08	7.32E-09	6.97E-09	1.11E-07	1.18E-07	4.32E-08	5.88E-08	2.20E-08	1.18E-07	4.32E-08
5965	483121.4	3856846	3.84E-04	3.74E-04	3.70E-04	1.33E-07	4.01E-07	2.32E-07	2.27E-07	2.05E-07	9.37E-08	9.25E-08	0.00E+00	0.00E+00	4.27E-08	7.69E-09	4.88E-08	7.53E-09	7.16E-09	1.14E-07	1.21E-07	4.44E-08	6.05E-08	2.26E-08	1.21E-07	4.44E-08
5966	483120.3	3856753	3.94E-04	3.84E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.32E-07	2.11E-07	9.62E-08	9.49E-08	0.00E+00	0.00E+00	4.38E-08	7.89E-09	5.01E-08	7.72E-09	7.35E-09	1.17E-07	1.24E-07	4.56E-08	6.20E-08	2.32E-08	1.24E-07	4.56E-08
5967	483119.3	3856661	4.05E-04	3.95E-04	3.89E-04	1.40E-07	4.23E-07	2.45E-07	2.39E-07	2.17E-07	9.88E-08	9.75E-08	0.00E+00	0.00E+00	4.50E-08	8.11E-09	5.14E-08	7.93E-09	7.55E-09	1.20E-07	1.28E-07	4.68E-08	6.37E-08	2.38E-08	1.28E-07	4.68E-08
5968	483118.3	3856568	4.16E-04	4.06E-04	4.01E-04	1.44E-07	4.35E-07	2.52E-07	2.46E-07	2.23E-07	1.02E-07	1.00E-07	0.00E+00	0.00E+00	4.63E-08	8.34E-09	5.29E-08	8.16E-09	7.76E-09	1.24E-07	1.31E-07	4.82E-08	6.56E-08	2.45E-08	1.31E-07	4.82E-08
5969	483117.3	3856476	4.29E-04	4.19E-04	4.13E-04	1.49E-07	4.49E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.03E-07	0.00E+00	0.00E+00	4.78E-08	8.61E-09	5.46E-08	8.42E-09	8.01E-09	1.27E-07	1.36E-07	4.97E-08	6.76E-08	2.53E-08	1.36E-07	4.97E-08
5970	483116.2	3856384	4.44E-04	4.33E-04	4.27E-04	1.54E-07	4.64E-07	2.68E-07	2.62E-07	2.37E-07	1.08E-07	1.07E-07	0.00E+00	0.00E+00	4.94E-08	8.89E-09	5.64E-08	8.70E-09	8.28E-09	1.32E-07	1.40E-07	5.13E-08	6.99E-08	2.61E-08	1.40E-07	5.13E-08
5971	483115.2	3856291	4.59E-04	4.48E-04	4.42E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	5.11E-08	9.20E-09	5.84E-08	9.00E-09	8.56E-09	1.36E-07	1.45E-07	5.31E-08	7.23E-08	2.70E-08	1.45E-07	5.31E-08
5972	483114.2	3856199	4.76E-04	4.64E-04	4.58E-04	1.65E-07	4.97E-07	2.88E-07	2.81E-07	2.55E-07	1.16E-07	1.15E-07	0.00E+00	0.00E+00	5.30E-08	9.54E-09	6.05E-08	9.33E-09	8.88E-09	1.41E-07	1.50E-07	5.51E-08	7.50E-08	2.80E-08	1.50E-07	5.51E-08
5973	483113.2	3856106	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.19E-07	3.01E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	0.00E+00	0.00E+00	5.53E-08	9.96E-09	6.32E-08	9.75E-09	9.27E-09	1.48E-07	1.57E-07	5.75E-08	7.83E-08	2.93E-08	1.57E-07	5.75E-08
5974	483112.2	3856014	5.20E-04	5.08E-04	5.01E-04	1.80E-07	5.44E-07	3.15E-07	3.07E-07	2.78E-07	1.27E-07	1.25E-07	0.00E+00	0.00E+00	5.79E-08	1.04E-08	6.62E-08	1.02E-08	9.71E-09	1.54E-07	1.64E-07	6.02E-08	8.20E-08	3.06E-08	1.64E-07	6.02E-08
5975	483029.3	3855920	5.27E-04	5.14E-04	5.07E-04	1.82E-07	5.51E-07	3.19E-07	3.11E-07	2.82E-07	1.29E-07	1.27E-07	0.00E+00	0.00E+00	5.87E-08	1.06E-08	6.70E-08	1.03E-08	9.83E-09	1.56E-07	1.66E-07	6.10E-08	8.30E-08	3.10E-08	1.66E-07	6.10E-08
5976	482947.4	3855920	5.08E-04	4.96E-04	4.89E-04	1.76E-07	5.31E-07	3.08E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.66E-08	1.02E-08	6.46E-08	9.97E-09	9.48E-09	1.51E-07	1.60E-07	5.88E-08	8.01E-08	2.99E-08	1.60E-07	5.88E-08
5977	482865.5	3855919	4.91E-04	4.79E-04	4.73E-04	1.70E-07	5.13E-07	2.97E-07	2.90E-07	2.63E-07	1.20E-07	1.18E-07	0.00E+00	0.00E+00	5.47E-08	9.84E-09	6.25E-08	9.63E-09	9.17E-09	1.46E-07	1.55E-07	5.69E-08	7.74E-08	2.89E-08	1.55E-07	5.69E-08
5978	482783.6	3855919	4.77E-04	4.65E-04	4.59E-04	1.65E-07	4.98E-07	2.88E-07	2.81E-07	2.55E-07	1.16E-07	1.15E-07	0.00E+00	0.00E+00	5.31E-08	9.55E-09	6.06E-08	9.35E-09	8.89E-09	1.41E-07	1.50E-07	5.52E-08	7.51E-08	2.81E-08	1.50E-07	5.52E-08
5979	482700.3	3855818	4.82E-04	4.70E-04	4.64E-04	1.67E-07	5.04E-07	2.92E-07	2.85E-07	2.58E-07	1.18E-07	1.16E-07	0.00E+00	0.00E+00	5.37E-08	9.66E-09	6.13E-08	9.45E-09	9.00E-09	1.43E-07	1.52E-07	5.58E-08	7.59E-08	2.84E-08	1.52E-07	5.58E-08
5980	482698.9	3855719	5.05E-04	4.93E-04	4.87E-04	1.75E-07	5.28E-07	3.06E-07	2.98E-07	2.70E-07	1.23E-07	1.22E-07	0.00E+00	0.00E+00	5.62E-08	1.01E-08	6.43E-08	9.91E-09	9.43E-09	1.50E-07	1.59E-07	5.85E-08	7.96E-08	2.97E-08	1.59E-07	5.85E-08
5981	482697.5	3855619	5.31E-04	5.19E-04	5.12E-04	1.84E-07	5.55E-07	3.22E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.92E-08	1.07E-08	6.76E-08	1.04E-08	9.92E-09	1.58E-07	1.68E-07	6.15E-08	8.37E-08	3.13E-08	1.68E-07	6.15E-08
5982	482696.1	3855519	5.63E-04	5.49E-04	5.42E-04	1.95E-07	5.88E-07	3.41E-07	3.32E-07	3.01E-07	1.37E-07	1.36E-07	0.00E+00	0.00E+00	6.27E-08	1.13E-08	7.16E-08	1.10E-08	1.05E-08	1.67E-07	1.78E-07	6.52E-08	8.87E-08	3.31E-08	1.78E-07	6.52E-08
5983	482694.7	3855419	5.98E-04	5.84E-04	5.76E-04	2.07E-07	6.25E-07	3.62E-07	3.53E-07	3.20E-07	1.46E-07	1.44E-07	0.00E+00	0.00E+00	6.66E-08	1.20E-08	7.61E-08	1.17E-08	1.12E-08	1.78E-07	1.89E-07	6.93E-08	9.42E-08	3.52E-08	1.89E-07	6.93E-08
5984	482693.3	3855319	6.39E-04	6.24E-04	6.16E-04	2.21E-07	6.68E-07	3.87E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	0.00E+00	0.00E+00	7.12E-08	1.28E-08	8.13E-08	1.25E-08	1.19E-08	1.90E-07	2.02E-07	7.40E-08	1.01E-07	3.76E-08	2.02E-07	7.40E-08
5985	482691.9	3855219	6.89E-04	6.72E-04	6.63E-04	2.38E-07	7.20E-07	4.17E-07	4.07E-07	3.69E-07	1.68E-07	1.66E-07	0.00E+00	0.00E+00	7.67E-08	1.38E-08	8.76E-08	1.35E-08	1.29E-08	2.04E-07	2.17E-07	7.97E-08	1.08E-07	4.05E-08	2.17E-07	7.97E-08
5986	482690.5	3855119	7.46E-04	7.28E-04	7.19E-04	2.58E-07	7.80E-07	4.52E-07	4.41E-07	3.99E-07	1.82E-07	1.80E-07	0.00E+00	0.00E+00	8.31E-08	1.50E-08	9.49E-08	1.46E-08	1.39E-08	2.22E-07	2.36E-07	8.64E-08	1.18E-07	4.39E-08	2.36E-07	8.64E-08
5987	482689.1	3855020	8.20E-04	8.00E-04	7.90E-04	2.84E-07	8.57E-07	4.96E-07	4.84E-07	4.39E-07	2.00E-07	1.98E-07	0.00E+00	0.00E+00	9.13E-08	1.64E-08	1.04E-07	1.61E-08	1.53E-08	2.43E-07	2.59E-07	9.49E-08	1.29E-07	4.83E-08	2.59E-07	9.49E-08
5988	482687.7	3854920	9.07E-04	8.85E-04	8.74E-04	3.14E-07	9.48E-07	5.49E-07	5.36E-07	4.86E-07	2.22E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.82E-08	1.15E-07	1.78E-08	1.69E-08	2.69E-07	2.86E-07	1.05E-07	1.43E-07	5.34E-08	2.86E-07	1.05E-07
5989	482686.3	3854820	1.02E-03	9.94E-04	9.81E-04	3.53E-07	1.07E-06	6.17E-07	6.02E-07	5.45E-07	2.49E-07	2.46E-07	0.00E+00	0.00E+00	1.13E-07	2.04E-08	1.30E-07	2.00E-08	1.90E-08	3.02E-07	3.22E-07	1.18E-07	1.61E-07	6.00E-08	3.22E-07	1.18E-07
5990	482684.9	3854720	1.15E-03	1.12E-03	1.11E-03	3.98E-07	1.20E-06	6.96E-07	6.80E-07	6.16E-07	2.81E-07	2.77E-07	0.00E+00	0.00E+00	1.28E-07	2.31E-08	1.46E-07	2.26E-08	2.15E-08	3.42E-07	3.63E-07	1.33E-07	1.81E-07	6.77E-08	3.63E-07	1.33E-07
5991	482683.5	3854620	1.32E-03	1.29E-03	1.27E-03	4.57E-07	1.38E-06	7.98E-07	7.79E-07	7.06E-07	3.22E-07	3.18E-07	0.00E+00	0.00E+00	1.47E-07	2.64E-08	1.68E-07	2.59E-08	2.46E-08	3.91E-07	4.16E-07	1.53E-07	2.08E-07	7.76E-08	4.16E-07	1.53E-07
5992	482682.1	3854520	1.51E-03	1.47E-03	1.45E-03	5.22E-07	1.58E-06	9.13E-07	8.91E-07	8.07E-07	3.68E-07	3.64E-07	0.00E+00	0.00E+00	1.68E-07	3.02E-08	1.92E-07	2.96E-08	2.81E-08	4.48E-07	4.76E-07	1.75E-07	2.38E-07	8.88E-08	4.76E-07	1.75E-07
5993	482680.7	3854420	1.72E-03	1.68E-03	1.66E-03	5.96E-07	1.80E-06	1.04E-06	1.02E-06	9.21E-07	4.20E-07	4.15E-07	0.00E+00	0.00E+00	1.92E-07	3.45E-08	2.19E-07	3.37E-08	3.21E-08	5.11E-07	5.43E-07	1.99E-07	2.71E-07	1.01E-07	5.43E-07	1.99E-07
5994	482679.3	3854321	1.93E-03	1.88E-03	1.86E-03	6.67E-07	2.01E-06	1.17E-06	1.14E-06	1.03E-06	4.71E-07	4.64E-07	0.00E+00	0.00E+00	2.15E-07	3.86E-08	2.45E-07	3.78E-08	3.60E-08	5.72E-07	6.08E-07	2.23E-07	3.04E-07	1.13E-07	6.08E-07	2.23E-07
5995	482677.9	3854221	2.13E-03	2.07E-03	2.05E-03	7.36E-07	2.22E-06	1.29E-06	1.25E-06	1.14E-06	5.19E-07	5.12E-07	0.00E+00	0.00E+00	2.37E-07	4.26E-08	2.70E-07	4.17E-08	3.97E-08	6.31E-07	6.71E-07	2.46E-07	3.35E-07	1.25E-07	6.71E-07	2.46E-07
5996	482676.5	3854121	2.27E-03	2.22E-03	2.19E-03	7.87E-07	2.38E-06	1.38E-06	1.34E-06	1.22E-06	5.55E-07	5.48E-07	0.00E+00	0.00E+00	2.53E-07	4.56E-08	2.89E-07	4.46E-08	4.24E-08	6.75E-07	7.18E-07	2.63E-07	3.58E-07	1.34E-07	7.18E-07	2.63E-07
5997	482675	3854021	2.46E-03	2.40E-03	2.37E-03	8.51E-07	2.57E-06	1.49E-06	1.45E-06	1.32E-06	6.01E-07	5.93E-07	0.00E+00	0.00E+00	2.74E-07	4.93E-08	3.13E-07	4.82E-08	4.59E-08	7.30E-07	7.76E-07	2.85E-07	3.87E-07	1.45E-07	7.76E-07	2.85E-07
5998	482673.6	3853921	2.65E-03	2.59E-03	2.55E-03	9.18E-07	2.77E-06	1.61E-06	1.57E-06	1.42E-06	6.48E-07	6.39E-07	0.00E+00	0.00E+00	2.95E-07	5.32E-08	3.37E-07	5.20E-08	4.95E-08	7.87E-07	8.37E-07	3.07E-07	4.18E-07	1.56E-07	8.37E-07	3.07E-07
5999	482672.2	3853821	2.91E-03	2.84E-03	2.80E-03	1.01E-06	3.04E-06	1.76E-06	1.72E-06	1.56E-06	7.11E-07	7.02E-07	0.00E+00	0.00E+00	3.24E-07	5.84E-08	3.70E-07	5.71E-08	5.43E-08	8.64E-07	9.19E-07	3.37E-07	4.59E-07	1.71E-07	9.19E-07	3.37E-07

6000	482670.8	3853721	3.24E-03	3.16E-03	3.12E-03	1.12E-06	3.38E-06	1.96E-06	1.91E-06	1.73E-06	7.90E-07	7.80E-07	0.00E+00	0.00E+00	3.60E-07	6.48E-08	4.11E-07	6.35E-08	6.04E-08	9.60E-07	1.02E-06	3.75E-07	5.10E-07	1.90E-07	1.02E-06	3.75E-07
6001	482669.4	3853622	3.67E-03	3.58E-03	3.54E-03	1.27E-06	3.84E-06	2.22E-06	2.17E-06	1.97E-06	8.97E-07	8.85E-07	0.00E+00	0.00E+00	4.09E-07	7.36E-08	4.67E-07	7.20E-08	6.85E-08	1.09E-06	1.16E-06	4.25E-07	5.79E-07	2.16E-07	1.16E-06	4.25E-07
6002	482646	3853446	4.49E-03	4.39E-03	4.33E-03	1.56E-06	4.70E-06	2.72E-06	2.65E-06	2.41E-06	1.10E-06	1.08E-06	0.00E+00	0.00E+00	5.00E-07	9.01E-08	5.72E-07	8.81E-08	8.39E-08	1.33E-06	1.42E-06	5.20E-07	7.08E-07	2.65E-07	1.42E-06	5.20E-07
6003	482624	3853370	4.65E-03	4.53E-03	4.47E-03	1.61E-06	4.86E-06	2.81E-06	2.74E-06	2.49E-06	1.13E-06	1.12E-06	0.00E+00	0.00E+00	5.17E-07	9.31E-08	5.91E-07	9.11E-08	8.67E-08	1.38E-06	1.47E-06	5.38E-07	7.32E-07	2.73E-07	1.47E-06	5.38E-07
6004	482601.9	3853295	4.95E-03	4.83E-03	4.77E-03	1.71E-06	5.17E-06	2.99E-06	2.92E-06	2.65E-06	1.21E-06	1.19E-06	0.00E+00	0.00E+00	5.51E-07	9.92E-08	6.29E-07	9.71E-08	9.24E-08	1.47E-06	1.56E-06	5.73E-07	7.80E-07	2.91E-07	1.56E-06	5.73E-07
6005	482531.3	3853133	5.71E-03	5.57E-03	5.50E-03	1.98E-06	5.97E-06	3.45E-06	3.37E-06	3.05E-06	1.39E-06	1.38E-06	0.00E+00	0.00E+00	6.35E-07	1.14E-07	7.26E-07	1.12E-07	1.06E-07	1.69E-06	1.80E-06	6.61E-07	8.99E-07	3.36E-07	1.80E-06	6.61E-07
6006	482482.7	3853048	6.15E-03	6.01E-03	5.93E-03	2.13E-06	6.43E-06	3.72E-06	3.63E-06	3.29E-06	1.50E-06	1.48E-06	0.00E+00	0.00E+00	6.85E-07	1.23E-07	7.83E-07	1.21E-07	1.15E-07	1.83E-06	1.94E-06	7.12E-07	9.70E-07	3.62E-07	1.94E-06	7.12E-07
6007	482383.1	3852897	9.14E-03	8.92E-03	8.80E-03	3.16E-06	9.56E-06	5.53E-06	5.40E-06	4.89E-06	2.23E-06	2.20E-06	0.00E+00	0.00E+00	1.02E-06	1.83E-07	1.16E-06	1.79E-07	1.71E-07	2.71E-06	2.89E-06	1.06E-06	1.44E-06	5.38E-07	2.89E-06	1.06E-06
6008	482265.6	3852765	1.03E-02	1.01E-02	9.94E-03	3.57E-06	1.08E-05	6.25E-06	6.09E-06	5.52E-06	2.52E-06	2.49E-06	0.00E+00	0.00E+00	1.15E-06	2.07E-07	1.31E-06	2.02E-07	1.93E-07	3.06E-06	3.26E-06	1.19E-06	1.63E-06	6.08E-07	3.26E-06	1.19E-06
6009	482199.2	3852698	1.02E-02	9.97E-03	9.84E-03	3.54E-06	1.07E-05	6.18E-06	6.03E-06	5.47E-06	2.50E-06	2.46E-06	0.00E+00	0.00E+00	1.14E-06	2.05E-07	1.30E-06	2.00E-07	1.91E-07	3.03E-06	3.23E-06	1.18E-06	1.61E-06	6.02E-07	3.23E-06	1.18E-06
6010	482132.7	3852630	1.00E-02	9.79E-03	9.66E-03	3.47E-06	1.05E-05	6.07E-06	5.92E-06	5.37E-06	2.45E-06	2.42E-06	0.00E+00	0.00E+00	1.12E-06	2.01E-07	1.28E-06	1.97E-07	1.87E-07	2.98E-06	3.17E-06	1.16E-06	1.58E-06	5.90E-07	3.17E-06	1.16E-06
6011	482066.2	3852562	9.93E-03	9.69E-03	9.57E-03	3.44E-06	1.04E-05	6.01E-06	5.87E-06	5.32E-06	2.43E-06	2.39E-06	0.00E+00	0.00E+00	1.11E-06	1.99E-07	1.26E-06	1.95E-07	1.85E-07	2.95E-06	3.14E-06	1.15E-06	1.56E-06	5.85E-07	3.14E-06	1.15E-06
6012	481999.7	3852495	9.76E-03	9.52E-03	9.39E-03	3.38E-06	1.02E-05	5.90E-06	5.76E-06	5.22E-06	2.38E-06	2.35E-06	0.00E+00	0.00E+00	1.09E-06	1.96E-07	1.24E-06	1.91E-07	1.82E-07	2.90E-06	3.08E-06	1.13E-06	1.54E-06	5.74E-07	3.08E-06	1.13E-06
6013	481933.3	3852427	9.48E-03	9.25E-03	9.12E-03	3.28E-06	9.91E-06	5.73E-06	5.60E-06	5.07E-06	2.31E-06	2.28E-06	0.00E+00	0.00E+00	1.05E-06	1.90E-07	1.21E-06	1.86E-07	1.77E-07	2.81E-06	2.99E-06	1.10E-06	1.49E-06	5.58E-07	2.99E-06	1.10E-06
6014	481866.8	3852360	9.42E-03	9.19E-03	9.07E-03	3.26E-06	9.84E-06	5.70E-06	5.56E-06	5.04E-06	2.30E-06	2.27E-06	0.00E+00	0.00E+00	1.05E-06	1.89E-07	1.20E-06	1.85E-07	1.76E-07	2.80E-06	2.97E-06	1.09E-06	1.48E-06	5.54E-07	2.97E-06	1.09E-06
6015	481800.3	3852292	9.17E-03	8.95E-03	8.83E-03	3.17E-06	9.59E-06	5.55E-06	5.41E-06	4.91E-06	2.24E-06	2.21E-06	0.00E+00	0.00E+00	1.02E-06	1.84E-07	1.17E-06	1.80E-07	1.71E-07	2.72E-06	2.89E-06	1.06E-06	1.44E-06	5.40E-07	2.89E-06	1.06E-06
6016	481733.8	3852225	9.00E-03	8.78E-03	8.67E-03	3.12E-06	9.41E-06	5.45E-06	5.32E-06	4.82E-06	2.20E-06	2.17E-06	0.00E+00	0.00E+00	1.00E-06	1.80E-07	1.14E-06	1.77E-07	1.68E-07	2.67E-06	2.84E-06	1.04E-06	1.42E-06	5.30E-07	2.84E-06	1.04E-06
6017	481667.4	3852157	9.00E-03	8.78E-03	8.66E-03	3.11E-06	9.40E-06	5.44E-06	5.31E-06	4.81E-06	2.20E-06	2.17E-06	0.00E+00	0.00E+00	1.00E-06	1.80E-07	1.14E-06	1.76E-07	1.68E-07	2.67E-06	2.84E-06	1.04E-06	1.42E-06	5.30E-07	2.84E-06	1.04E-06
6018	481600.9	3852089	8.81E-03	8.60E-03	8.48E-03	3.05E-06	9.21E-06	5.33E-06	5.20E-06	4.72E-06	2.15E-06	2.12E-06	0.00E+00	0.00E+00	9.81E-07	1.77E-07	1.12E-06	1.73E-07	1.64E-07	2.62E-06	2.78E-06	1.02E-06	1.39E-06	5.19E-07	2.78E-06	1.02E-06
6019	481534.4	3852022	8.75E-03	8.54E-03	8.43E-03	3.03E-06	9.15E-06	5.30E-06	5.17E-06	4.68E-06	2.14E-06	2.11E-06	0.00E+00	0.00E+00	9.74E-07	1.75E-07	1.11E-06	1.72E-07	1.63E-07	2.60E-06	2.76E-06	1.01E-06	1.38E-06	5.15E-07	2.76E-06	1.01E-06
6020	481467.9	3851954	8.69E-03	8.48E-03	8.36E-03	3.01E-06	9.08E-06	5.26E-06	5.13E-06	4.65E-06	2.12E-06	2.09E-06	0.00E+00	0.00E+00	9.67E-07	1.74E-07	1.10E-06	1.70E-07	1.62E-07	2.58E-06	2.74E-06	1.01E-06	1.37E-06	5.11E-07	2.74E-06	1.01E-06
6021	481401.5	3851887	8.66E-03	8.45E-03	8.34E-03	3.00E-06	9.05E-06	5.24E-06	5.11E-06	4.64E-06	2.12E-06	2.09E-06	0.00E+00	0.00E+00	9.64E-07	1.74E-07	1.10E-06	1.70E-07	1.62E-07	2.57E-06	2.73E-06	1.00E-06	1.36E-06	5.10E-07	2.73E-06	1.00E-06
6022	481265.9	3851761	7.60E-03	7.42E-03	7.32E-03	2.63E-06	7.94E-06	4.60E-06	4.49E-06	4.07E-06	1.86E-06	1.83E-06	0.00E+00	0.00E+00	8.46E-07	1.52E-07	9.67E-07	1.49E-07	1.42E-07	2.26E-06	2.40E-06	8.80E-07	1.20E-06	4.47E-07	2.40E-06	8.80E-07
6023	481196.7	3851704	7.09E-03	6.92E-03	6.83E-03	2.46E-06	7.41E-06	4.29E-06	4.19E-06	3.80E-06	1.73E-06	1.71E-06	0.00E+00	0.00E+00	7.90E-07	1.42E-07	9.02E-07	1.39E-07	1.32E-07	2.11E-06	2.24E-06	8.21E-07	1.12E-06	4.18E-07	2.24E-06	8.21E-07
6024	481076.3	3851619	6.86E-03	6.70E-03	6.61E-03	2.38E-06	7.17E-06	4.15E-06	4.05E-06	3.67E-06	1.68E-06	1.65E-06	0.00E+00	0.00E+00	7.64E-07	1.38E-07	8.73E-07	1.35E-07	1.28E-07	2.04E-06	2.17E-06	7.94E-07	1.08E-06	4.04E-07	2.17E-06	7.94E-07
6025	480939.8	3851549	6.64E-03	6.48E-03	6.39E-03	2.30E-06	6.94E-06	4.01E-06	3.92E-06	3.55E-06	1.62E-06	1.60E-06	0.00E+00	0.00E+00	7.39E-07	1.33E-07	8.44E-07	1.30E-07	1.24E-07	1.97E-06	2.09E-06	7.68E-07	1.05E-06	3.91E-07	2.09E-06	7.68E-07
6026	480854.6	3851506	6.68E-03	6.52E-03	6.43E-03	2.31E-06	6.98E-06	4.04E-06	3.94E-06	3.57E-06	1.63E-06	1.61E-06	0.00E+00	0.00E+00	7.43E-07	1.34E-07	8.49E-07	1.31E-07	1.25E-07	1.98E-06	2.11E-06	7.73E-07	1.05E-06	3.93E-07	2.11E-06	7.73E-07
6027	480769.3	3851464	6.77E-03	6.61E-03	6.52E-03	2.34E-06	7.08E-06	4.10E-06	4.00E-06	3.62E-06	1.65E-06	1.63E-06	0.00E+00	0.00E+00	7.54E-07	1.36E-07	8.61E-07	1.33E-07	1.26E-07	2.01E-06	2.14E-06	7.84E-07	1.07E-06	3.99E-07	2.14E-06	7.84E-07
6028	480684.1	3851421	6.87E-03	6.70E-03	6.62E-03	2.38E-06	7.18E-06	4.16E-06	4.06E-06	3.68E-06	1.68E-06	1.66E-06	0.00E+00	0.00E+00	7.65E-07	1.38E-07	8.74E-07	1.35E-07	1.28E-07	2.04E-06	2.17E-06	7.95E-07	1.08E-06	4.04E-07	2.17E-06	7.95E-07
6029	480598.8	3851378	6.89E-03	6.73E-03	6.64E-03	2.39E-06	7.20E-06	4.17E-06	4.07E-06	3.69E-06	1.68E-06	1.66E-06	0.00E+00	0.00E+00	7.67E-07	1.38E-07	8.76E-07	1.35E-07	1.29E-07	2.05E-06	2.18E-06	7.98E-07	1.09E-06	4.06E-07	2.18E-06	7.98E-07
6030	480435.7	3851275	9.39E-03	9.17E-03	9.04E-03	3.25E-06	9.82E-06	5.68E-06	5.55E-06	5.03E-06	2.29E-06	2.26E-06	0.00E+00	0.00E+00	1.05E-06	1.88E-07	1.19E-06	1.84E-07	1.75E-07	2.79E-06	2.96E-06	1.09E-06	1.48E-06	5.53E-07	2.96E-06	1.09E-06
6031	480347.9	3851232	9.29E-03	9.07E-03	8.95E-03	3.22E-06	9.71E-06	5.62E-06	5.49E-06	4.97E-06	2.27E-06	2.24E-06	0.00E+00	0.00E+00	1.03E-06	1.86E-07	1.18E-06	1.82E-07	1.73E-07	2.76E-06	2.93E-06	1.08E-06	1.46E-06	5.47E-07	2.93E-06	1.08E-06
6032	480260	3851190	9.19E-03	8.97E-03	8.85E-03	3.18E-06	9.61E-06	5.56E-06	5.43E-06	4.92E-06	2.24E-06	2.21E-06	0.00E+00	0.00E+00	1.02E-06	1.84E-07	1.17E-06	1.80E-07	1.71E-07	2.73E-06	2.90E-06	1.06E-06	1.45E-06	5.41E-07	2.90E-06	1.06E-06
6033	480172.2	3851147	9.11E-03	8.89E-03	8.77E-03	3.15E-06	9.52E-06	5.51E-06	5.38E-06	4.87E-06	2.22E-06	2.19E-06	0.00E+00	0.00E+00	1.01E-06	1.83E-07	1.16E-06	1.79E-07	1.70E-07	2.70E-06	2.87E-06	1.05E-06	1.43E-06	5.36E-07	2.87E-06	1.05E-06
6034	480084.3	3851104	9.02E-03	8.80E-03	8.69E-03	3.12E-06	9.43E-06	5.46E-06	5.33E-06	4.83E-06	2.20E-06	2.17E-06	0.00E+00	0.00E+00	1.00E-06	1.81E-07	1.15E-06	1.77E-07	1.68E-07	2.68E-06	2.85E-06	1.04E-06	1.42E-06	5.31E-07	2.85E-06	1.04E-06
6035	479996.4	3851062	8.96E-03	8.75E-03	8.63E-03	3.10E-06	9.37E-06	5.42E-06	5.29E-06	4.80E-06	2.19E-06	2.16E-06	0.00E+00	0.00E+00	9.98E-07	1.80E-07	1.14E-06	1.76E-07	1.67E-07	2.66E-06	2.83E-06	1.04E-06	1.41E-06	5.28E-07	2.83E-06	1.04E-06
6036	479908.6	3851019	9.13E-03	8.91E-03	8.79E-03	3.16E-06	9.55E-06	5.53E-06	5.39E-06	4.89E-06	2.23E-06	2.20E-06	0.00E+00	0.00E+00	1.02E-06	1.83E-07	1.16E-06	1.79E-07	1.70E-07	2.71E-06	2.88E-06	1.06E-06	1.44E-06	5.38E-07	2.88E-06	1.06E-06
6037	479820.7	3850976	9.06E-03	8.84E-03	8.72E-03	3.14E-06	9.47E-06	5.48E-06	5.35E-06	4.85E-06	2.21E-06	2.18E-06	0.00E+00	0.00E+00	1.01E-06	1.82E-07	1.15E-06	1.78E-07	1.69E-07	2.69E-06	2.86E-06	1.05E-06	1.43E-06	5.33E-07	2.86E-06	1.05E-06
6038	479732.9	3850934	8.99E-03	8.78E-03	8.66E-03	3.11E-06	9.40E-06	5.44E-06	5.31E-06	4.81E-06	2.20E-06	2.17E-06	0.00E+00	0.00E+00	1.00E-06	1.80E-07	1.14E-06	1.76E-07	1.68E-07	2.67E-06	2.84E-06	1.04E-06	1.42E-06	5.29E-07	2.84E-06	1.04E-06
6039	479645	3850891	8.97E-03	8.75E-03	8.64E-03	3.11E-06	9.38E-06	5.43E-06	5.30E-06	4.80E-06	2.19E-06	2.16E-06	0.00E+00	0.00E+00	9.99E-07	1.80E-07	1.14E-06	1.76E-07	1.67E-07	2.66E-06	2.83E-06	1.04E-06	1.41E-06	5.28E-07	2.83E-06	1.04E-06
6040	479557.2	3850849	8.89E-03	8.68E-03	8.56E-03	3.08E-06	9.30E-06	5.38E-06	5.25E-06	4.76E-06	2.17E-06	2.14E-06	0.00E+00	0.00E+00	9.90E-07	1.78E-07	1.13E-06	1.74E-07	1.66E-07	2.64E-06	2.81E-06	1.03E-06	1.40E-06	5.24E-07	2.81E-06	1.03E-06
6041	479469.3	3850806	8.98E-03	8.76E-03	8.64E-03	3.11E-06	9.38E-06	5.43E-06	5.30E-06	4.80E-06	2.19E-06	2.16E-06	0.00E+00	0.00E+00	9.99E-07	1.80E-07	1.14E-06	1.76E-07	1.68E-07	2.66E-06	2.83E-06	1.04E-06	1.41E-06	5.28E-07	2.83E-06	1.04E-06
6042	479381.5	3850763	8.89E-03	8.67E-03	8.56E-03	3.08E-06	9.29E-06	5.38E-06	5.25E-06	4.76E-06	2.17E-06	2.14E-06	0.00E+00	0.00E+00	9.89E-07	1.78E-07	1.13E-06	1.74E-07	1.66E-07	2.64E-06	2.81E-06	1.03E-06	1.40E-06	5.23E-07	2.81E-06	1.03E-06
6043	479293.6	3850721	8.73E-03	8.52E-03	8.40E-03	3.02E-06	9.12E-06	5.28E-06	5.15E-06	4.67E-06	2.13E-06	2.10E-06	0.00E+00	0.00E+00	9.72E-07	1.75E-07	1.11E-06	1.71E-07	1.63E-07	2.59E-06	2.75E-06	1.01E-06	1.38E-06	5.14E-07	2.75E-06	1.01E-06
6044	479205.8	3850678	8.61E-03	8.41E-03	8.29E-03	2.98E-06	9.00E-06	5.21E-06	5.09E-06	4.61E-06	2.10E-06	2.08E-06	0.00E+00	0.00E+00	9.59E-07	1.73E-07	1.10E-06	1.69E-07	1.61E-07	2.56E-06	2.72E-06	9.97E-07	1.36E-06	5.07E-07	2.72E-06	9.97E-07
6045	479117.9	3850635	8.32E-03	8.12E-03	8.01E-03	2.88E-06	8.70E-06	5.04E-06	4.91E-06	4.45E-06	2.03E-06	2.01E-06	0.00E+00	0.00E+00	9.27E-07	1.67E-07	1.06E-06	1.63E-07	1.55E-07	2.47E-06	2.63E-06	9.63E-07	1.31E-06	4.90E-07	2.63E-06	9.63E-07
6046	479030.1	3850593	8.07E-03	7.88E-03	7.77E-03	2.79E-06	8.44E-06	4.88E-06	4.76E-06	4.32E-06	1.97E-06	1.94E-06	0.00E+00	0.00E+00	8.98E-07	1.62E-07	1.03E-06	1.58E-07	1.51E-07	2.40E-06	2.55E-06	9.34E-07	1.27E-06	4.75E-07	2.55E-06	9.34E-07
6047	478942.2	3850550	8.20E-03	8.01E-03	7.90E-03	2.84E-06	8.58E-06	4.96E-06	4.84E-06	4.39E-06	2.00E-06	1.98E-06	0.00E+00	0.00E+00	9.13E-07	1.64E-07	1.04E-06	1.61E-07	1.53E-07	2.44E-06	2.59E-06	9.50E-07	1.29E-06	4.83E-07	2.59E-06	9.50E-07
6048	478854.3	3850507	8.76E-03	8.55E-03	8.43E-03	3.03E-06	9.15E-06	5.30E-06	5.17E-06	4.69E-06	2.14E-06	2.11E-06	0.00E+00	0.00E+00	9.75E-07	1.76E-07	1.11E-06	1.72E-07	1.63E-07	2.60E-06	2.76E-06	1.01E-06	1.38E-06	5.16E-07	2.76E-06	1.01E-06
6049	478766.5	3850465	8.78E-03	8.57E-03	8.46E-03	3.04E-06	9.18E-06	5.31E-06	5.18E-06	4.70E-06	2.14E-06	2.12E-06	0.00E+00	0.00E+00	9.77E-07	1.76E-07	1.12E-06	1.72E-07	1.64E-07	2.61E-06	2.77E-06	1.02E-06	1.38E-06	5.17E-07	2.77E-06	1.02E-06
6050	478678.6	3850422	8.76E-03	8.55E-03	8.43E-03	3.03E-06	9.16E-06	5.30E-06	5.17E-06	4.69E-06	2.14E-06	2.11E-06	0.00E+00	0.00E+00	9.75E-07	1.76E-07	1.11E-06	1.72E-07	1.63E-07	2.60E-06	2.76E-06	1.01E-06	1.38E-06	5.16E-07	2.76E-06	1.01E-06
6051	478590.8	3850379	8.77E-03	8.55E-03	8.44E-03	3.03E-06	9.16E-06	5.30E-06	5.18E-06	4.69E-06	2.14E-06	2.11E-06	0.00E+00	0.00E+00	9.76E-07	1.76E-07	1.11E-06	1.72E-07	1.64E-07	2.60E-06	2.77E-06	1.01E-06	1.38E-06	5.16E-07	2.77E-06	1.01E-06
6052	478502.9	3850337	8.74E-03	8.52E-03	8.41E-03	3.02E-06	9.13E-06	5.29E-06	5.16E-06	4.68E-06	2.13E-06	2.11E-06	0.00E+00	0.00E+00	9.72E-07	1.75E-07	1.11E-06	1.71E-07	1.63E-07	2.59E-06	2.76E-06	1.01E-06	1.38E-06	5.14E-07	2.76E-06	1.01E-06
6053	478415.1	3850294	8.64E-03	8.43E-03	8.32E-03	2.99E-06	9.03E-06	5.23E-06	5.10E-06	4.63E-06	2.11E-06	2.08E-06	0.00E+00	0.00E+00	9.62E-07	1.73E-07	1.10E-06	1.69E-07	1.61E-07	2.57E-06	2.73E-06	1.00E-06	1.36E-06	5.09E-07	2.73E-06	1.00E-06
6054	478327.2	3850251	8.69E-03	8.47E-03	8.36E-03	3.01E-06	9.08E-06	5.26E-06	5.13E-06	4.65E-06	2.12E-06	2.09E-06	0.00E+00	0.00E+00	9.67E-07	1.74E-07	1.10E-06	1.70E-07	1.62E-07	2.58E-06	2.74E-06	1.01E-06	1.37E-06	5.11E-07	2.74E-06	1.01E-06
6055	478239.4	3850209	8.69E-03	8.47E-03	8.36E-03	3.01E-06	9.08E-06	5.26E-06	5.13E-06	4.65E-06	2.12E-06	2.09E-06	0.00E+00	0.00E+00	9.67E-07	1.74E-07	1.10E-06	1.70E-07	1.62E-07	2.58E-06	2.74E-06	1.01E-06	1.37E-06	5.11E-07	2.74E-06	1.01E-06
6056	478151.5	3850166	8.66E-03	8.45E-03	8.34E-03	3.00E-06	9.05E-06	5.24E-06	5.11E-06	4.64E-06	2.12E-06	2.09E-06	0.00E+00	0.00E+00	9.64E-07	1.74E-07	1.10E-06	1.70E-07	1.62E-07	2.57E-06	2.73E-06	1.00E-06	1.36E-06	5.10E-07	2.73E-06	1.00E-06
6057	478063.7	3850124	8.61E-03	8.41E-03	8.29E-03	2.98E-06	9.00E-06	5.21E-06	5.09E-06	4.61E-06	2.10E-06	2.08E-06	0.00E+00	0.00E+00	9.59E-07	1.73E-07	1.10E-06	1.69E-07	1.61E-07	2.56E-06	2.72E-06	9.97E-07	1.36E-06	5.07E-07	2.72E-06	9.97E-07
6058	477975.8	3850081	8.40E-03	8.19E-03	8.09E-03	2.91E-06	8.78E-06	5.08E-06	4.96E-06	4.49E-06	2.05E-06	2.02E-06	0.00E+00	0.00E+00	9.35E-07	1.68E-07	1.07E-06	1.65E-07	1.57E-07	2.49E-06	2.65E-06	9.72E-07	1.32E-06	4.94E-07	2.65E-06	9.72E-07
6059	477888	3850038	8.35E-03	8.15E-03	8.04E-03	2.89E-06	8.73E-06	5.05E-06	4.93E-06	4.47E-06	2.04E-06	2.01E-06	0.00E+00	0.00E+00	9.30E-07	1.67E-07	1.06E-06	1.64E-07	1.56E-07	2.48E-06	2.64E-06	9.67E-07	1.32E-06	4.92E-07	2.64E-06	9.67E-07
6060	477800.1	3849996	8.22E-03	8.02E-03	7.91E-03	2.85E-06	8.59E-06	4.97E-06	4.85E-06	4.40E-06	2.01E-06	1.98E-06	0.00E+00	0.00E+00	9.15E-07	1.65E-07	1.05E-06	1.61E-07	1.53E-07	2.44E-06	2.59E-06	9.51E-07	1.29E-06	4.84E-07	2.59E-06	9.51E-07
6061	477712.2	3849953	8.24E-03	8.04E-03	7.93E-03	2.85E-06	8.61E-06	4.99E-06	4.87E-06	4.41E-06	2.01E-06	1.99E-06	0.00E+00	0.00E+00	9.17E-07	1.65E-07	1.05E-06	1.62E-07	1.54E-07	2.45E-06	2.60E-06	9.54E-07	1.30E-06	4.85E-07	2.60E-06	9.54E-07
6062	477624.4	3849910	8.22E-03	8.03E-03	7.92E-03	2.85E-06	8.60E-06	4.98E-06	4.86E-06	4.40E-06	2.01E-06	1.98E-06	0.00E+00	0.00E+00	9.16E-07	1.65E-07	1.05E-06	1.61E-07	1.53E-07	2.44E-06	2.60E-06	9.52E-07	1.30E-06	4.84E-07	2.60E-06	9.52E-07
6063	477536.5	3849868	8.10E-03	7.91E-03	7.80E-03	2.81E-06	8.47E-06	4.90E-06	4.78E-06	4.34E-06	1.98E-06	1.95E-06	0.00E+00	0.00E+00	9.02E-07	1.62E-07	1.03E-06	1.59E-07	1.51E-07	2.41E-06	2.56E-06	9.38E-07	1.28E-06	4.77E-07	2.56E-06	9.38E-07
6064	477448.7	3849825	8.06E-03	7.87E-03	7.76E-03	2.79E-06	8.43E-06	4.88E-06	4.76E-06	4.32E-06	1.97E-06	1.94E-06	0.00E+00	0.00E+00	8.98E-07	1.62E-07	1.03E-06	1.58E-07	1.50E-07	2.39E-06	2.54E-06	9.33E-07	1.27E-06	4.75E-07	2.54E-06	9.33E-07
6065	477360.8	3849782	7.98E-03	7.79E-03	7.69E-03	2.76E-06	8.34E-06	4.83E-06	4.71E-06	4.27E-06	1.95E-06	1.92E-06	0.00E+00	0.00E+00	8.88E-07	1.60E-07	1.02E-06	1.57E-07	1.49E-07	2.37E-06	2.52E-06	9.24E-07	1.26E-06	4.70E-07	2.52E-06	9.24E-07
6066	477273	3849740	7.85E-03	7.66E-03	7.56E-03	2.72E-06	8.21E-06	4.75E-06	4.64E-06	4.20E-06	1.92E-06	1.89E-06	0.00E+00	0.00E+00	8.74E-07	1.57E-07	9.99E-07	1.54E-07	1.47E-07	2.33E-06	2.48E-06	9.09E-07	1.24E-06	4.62E-07	2.48E-06	9.09E-07
6067	477185.1	3849697	7.82E-03	7.63E-03	7.52E-03	2.71E-06	8.17E-06	4.73E-06	4.61E-06	4.18E-06	1.91E-06	1.88E-06	0.00E+00	0.00E+00	8.70E-07	1.57E-07	9.94E-07	1.53E-07	1.46E-07	2.32E-06	2.47E-06	9.05E-07	1.23E-06	4.60E-07	2.47E-06	9.05E-07
6068	477097.3	3849654	7.90E-03	7.71E-03	7.61E-03	2.73E-06	8.26E-06	4.78E-06	4.66E-06	4.23E-06	1.93E-06	1.90E-06	0.00E+00	0.00E+00	8.79E-07	1.58E-07	1.00E-06	1.55E-07	1.47E-07	2.34E-06	2.49E-06	9.15E-07	1.24E-06	4.65E-07	2.49E-06	9.15E-07
6069	477009.4	3849612	8.15E-03	7.95E-03	7.84E-03	2.82E-06	8.51E-06	4.93E-06	4.81E-06	4.36E-06	1.99E-06	1.96E-06	0.00E+00	0.00E+00	9.07E-07	1.63E-07	1.04E-06	1.60E-07	1.52E-07	2.42E-06	2.57E-06	9.43E-07	1.28E-06	4.80E-07	2.57E-06	9.43E-07
6070	476841.5	3849530	8.20E-03	8.00E-03	7.89E-03	2.84E-06	8.57E-06	4.96E-06	4.84E-06	4.39E-06	2.00E-06	1.97E-06	0.00E+00	0.00E+00	9.12E-07	1.64E-07	1.04E-06	1.61E-07	1.53E-07	2.43E-06	2.59E-06	9.49E-07	1.29E-06	4.82E-07	2.59E-06	9.49E-07
6071	476761.4	3849491	8.18E-03	7.99E-03	7.88E-03	2.83E-06	8.55E-06	4.95E-06	4.83E-06	4.38E-06	2.00E-06	1.97E-06	0.00E+00	0.00E+00	9.11E-07	1.64E-07	1.04E-06	1.61E-07	1.53E-07	2.43E-06	2.58E-06	9.47E-07	1.29E-06	4.82E-07	2.58E-06	9.47E-07
6072	476681.3	3849452	8.39E-03	8.18E-03	8.07E-03	2.90E-06	8.77E-06	5.07E-06	4.95E-06	4.49E-06	2.05E-06	2.02E-06	0.00E+00	0.00E+00	9.33E-07	1.68E-07	1.07E-06	1.64E-07	1.56E-07	2.49E-06	2.65E-06	9.71E-07	1.32E-06	4.94E-07	2.65E-06	9.71E-07
6073	476601.3	3849413	8.80E-03	8.59E-03	8.47E-03	3.05E-06	9.20E-06	5.32E-06	5.20E-06	4.71E-06	2.15E-06	2.12E-06	0.00E+00	0.00E+00	9.80E-07	1.76E-07	1.12E-06	1.73E-07	1.64E-07	2.61E-06	2.78E-06	1.02E-06	1.39E-06	5.18E-07	2.78E-06	1.02E-06
6074	476456.3	3849354	1.01E-02	9.89E-03	9.76E-03	3.51E-06	1.06E-05	6.13E-06	5.99E-06	5.43E-06	2.48E-06	2.44E-06	0.00E+00	0.00E+00	1.13E-06	2.03E-07	1.29E-06	1.99E-07	1.89E-07	3.01E-06	3.20E-06	1.17E-06	1.60E-06	5.97E-07	3.20E-06	1.17E-06
6075	476305.4	3849319	9.72E-03	9.48E-03	9.35E-03	3.36E-06	1.02E-05	5.88E-06	5.74E-06	5.20E-06	2.37E-06	2.34E-06	0.00E+00	0.00E+00	1.08E-06	1.95E-07	1.24E-06	1.91E-07	1.81E-07	2.88E-06	3.07E-06	1.12E-06	1.53E-06	5.72E-07	3.07E-06	1.12E-06
6076	476129.4	3849290	8.83E-03	8.61E-03	8.50E-03	3.06E-06	9.22E-06	5.34E-06	5.21E-06	4.72E-06	2.16E-06	2.13E-06	0.00E+00	0.00E+00	9.82E-07	1.77E-07	1.12E-06	1.73E-07	1.65E-07	2.62E-06	2.79E-06	1.02E-06	1.39E-06	5.20E-07	2.79E-06	1.02E-06

6077	476039.3	3849276	8.51E-03	8.30E-03	8.19E-03	2.94E-06	8.89E-06	5.15E-06	5.02E-06	4.55E-06	2.08E-06	2.05E-06	0.00E+00	0.00E+00	9.47E-07	1.70E-07	1.08E-06	1.67E-07	1.59E-07	2.52E-06	2.68E-06	9.85E-07	1.34E-06	5.01E-07	2.68E-06	9.85E-07
6078	475949.3	3849261	8.61E-03	8.41E-03	8.29E-03	2.98E-06	9.00E-06	5.21E-06	5.09E-06	4.61E-06	2.10E-06	2.08E-06	0.00E+00	0.00E+00	9.59E-07	1.73E-07	1.10E-06	1.69E-07	1.61E-07	2.56E-06	2.72E-06	9.97E-07	1.36E-06	5.07E-07	2.72E-06	9.97E-07
6079	475859.2	3849247	8.16E-03	7.96E-03	7.85E-03	2.82E-06	8.53E-06	4.94E-06	4.82E-06	4.37E-06	1.99E-06	1.97E-06	0.00E+00	0.00E+00	9.08E-07	1.63E-07	1.04E-06	1.60E-07	1.52E-07	2.42E-06	2.57E-06	9.44E-07	1.28E-06	4.80E-07	2.57E-06	9.44E-07
6080	475769.2	3849233	7.81E-03	7.62E-03	7.52E-03	2.70E-06	8.17E-06	4.73E-06	4.61E-06	4.18E-06	1.91E-06	1.88E-06	0.00E+00	0.00E+00	8.70E-07	1.57E-07	9.94E-07	1.53E-07	1.46E-07	2.32E-06	2.47E-06	9.05E-07	1.23E-06	4.60E-07	2.47E-06	9.05E-07
6081	475585.2	3849219	4.56E-03	4.45E-03	4.39E-03	1.58E-06	4.76E-06	2.76E-06	2.69E-06	2.44E-06	1.11E-06	1.10E-06	0.00E+00	0.00E+00	5.07E-07	9.13E-08	5.79E-07	8.94E-08	8.50E-08	1.35E-06	1.44E-06	5.27E-07	7.18E-07	2.68E-07	1.44E-06	5.27E-07
6082	475444.5	3849150	8.99E-03	8.77E-03	8.65E-03	3.11E-06	9.39E-06	5.44E-06	5.31E-06	4.81E-06	2.19E-06	2.17E-06	0.00E+00	0.00E+00	1.00E-06	1.80E-07	1.14E-06	1.76E-07	1.68E-07	2.67E-06	2.84E-06	1.04E-06	1.42E-06	5.29E-07	2.84E-06	1.04E-06
6083	475334.2	3849119	7.48E-03	7.30E-03	7.20E-03	2.59E-06	7.81E-06	4.52E-06	4.41E-06	4.00E-06	1.83E-06	1.80E-06	0.00E+00	0.00E+00	8.32E-07	1.50E-07	9.51E-07	1.47E-07	1.40E-07	2.22E-06	2.36E-06	8.65E-07	1.18E-06	4.40E-07	2.36E-06	8.65E-07
6084	475230.5	3849061	8.80E-03	8.58E-03	8.47E-03	3.04E-06	9.19E-06	5.32E-06	5.19E-06	4.71E-06	2.15E-06	2.12E-06	0.00E+00	0.00E+00	9.79E-07	1.76E-07	1.12E-06	1.72E-07	1.64E-07	2.61E-06	2.78E-06	1.02E-06	1.39E-06	5.18E-07	2.78E-06	1.02E-06
6085	475110.9	3848961	1.02E-02	9.93E-03	9.80E-03	3.52E-06	1.06E-05	6.16E-06	6.01E-06	5.45E-06	2.48E-06	2.45E-06	0.00E+00	0.00E+00	1.13E-06	2.04E-07	1.29E-06	2.00E-07	1.90E-07	3.02E-06	3.21E-06	1.18E-06	1.60E-06	5.99E-07	3.21E-06	1.18E-06
6086	475037.8	3848896	1.07E-02	1.04E-02	1.03E-02	3.69E-06	1.11E-05	6.45E-06	6.30E-06	5.71E-06	2.60E-06	2.57E-06	0.00E+00	0.00E+00	1.19E-06	2.14E-07	1.36E-06	2.09E-07	1.99E-07	3.17E-06	3.37E-06	1.23E-06	1.68E-06	6.28E-07	3.37E-06	1.23E-06
6087	474964.7	3848832	1.11E-02	1.08E-02	1.07E-02	3.84E-06	1.16E-05	6.72E-06	6.56E-06	5.94E-06	2.71E-06	2.68E-06	0.00E+00	0.00E+00	1.24E-06	2.23E-07	1.41E-06	2.18E-07	2.07E-07	3.30E-06	3.50E-06	1.29E-06	1.75E-06	6.54E-07	3.50E-06	1.29E-06
6088	474891.7	3848767	1.14E-02	1.11E-02	1.09E-02	3.94E-06	1.19E-05	6.88E-06	6.71E-06	6.09E-06	2.78E-06	2.74E-06	0.00E+00	0.00E+00	1.27E-06	2.28E-07	1.45E-06	2.23E-07	2.12E-07	3.37E-06	3.59E-06	1.32E-06	1.79E-06	6.69E-07	3.59E-06	1.32E-06
6089	474818.6	3848702	1.18E-02	1.15E-02	1.14E-02	4.09E-06	1.24E-05	7.15E-06	6.98E-06	6.33E-06	2.89E-06	2.85E-06	0.00E+00	0.00E+00	1.32E-06	2.37E-07	1.50E-06	2.32E-07	2.21E-07	3.51E-06	3.73E-06	1.37E-06	1.86E-06	6.96E-07	3.73E-06	1.37E-06
6090	474745.5	3848638	1.14E-02	1.11E-02	1.10E-02	3.95E-06	1.19E-05	6.91E-06	6.74E-06	6.11E-06	2.79E-06	2.75E-06	0.00E+00	0.00E+00	1.27E-06	2.29E-07	1.45E-06	2.24E-07	2.13E-07	3.39E-06	3.60E-06	1.32E-06	1.80E-06	6.72E-07	3.60E-06	1.32E-06
6091	474672.4	3848573	1.17E-02	1.14E-02	1.13E-02	4.05E-06	1.22E-05	7.08E-06	6.90E-06	6.26E-06	2.86E-06	2.82E-06	0.00E+00	0.00E+00	1.30E-06	2.34E-07	1.49E-06	2.29E-07	2.18E-07	3.47E-06	3.69E-06	1.35E-06	1.84E-06	6.88E-07	3.69E-06	1.35E-06
6092	474599.4	3848508	1.24E-02	1.21E-02	1.20E-02	4.30E-06	1.30E-05	7.52E-06	7.33E-06	6.65E-06	3.03E-06	2.99E-06	0.00E+00	0.00E+00	1.38E-06	2.49E-07	1.58E-06	2.44E-07	2.32E-07	3.69E-06	3.92E-06	1.44E-06	1.96E-06	7.31E-07	3.92E-06	1.44E-06
6093	474526.3	3848443	1.28E-02	1.25E-02	1.23E-02	4.43E-06	1.34E-05	7.74E-06	7.55E-06	6.85E-06	3.12E-06	3.08E-06	0.00E+00	0.00E+00	1.42E-06	2.56E-07	1.63E-06	2.51E-07	2.39E-07	3.80E-06	4.04E-06	1.48E-06	2.01E-06	7.53E-07	4.04E-06	1.48E-06

			No Project	With Project	Net Change	Student NP	Student WP	Net Change	Worker NP	Worker WP	Net Change	Park NP	Park WP	Net Change
Rec#	X	Y	Risk	Risk	Risk	Risk	Risk	Risk	Risk	Risk	Risk	Risk	Risk	Risk
1	485973.6	3854936.5	3.62E-07	3.29E-07	-3.26E-08	1.37E-07	1.28E-07	-8.86E-09	6.98E-08	6.53E-08	-4.51E-09	1.37E-07	1.28E-07	-8.86E-09
2	486023.6	3854936.5	3.55E-07	3.18E-07	-3.71E-08	1.35E-07	1.24E-07	-1.07E-08	6.86E-08	6.31E-08	-5.44E-09	1.35E-07	1.24E-07	-1.07E-08
3	486073.6	3854936.5	3.50E-07	3.09E-07	-4.11E-08	1.33E-07	1.21E-07	-1.23E-08	6.76E-08	6.14E-08	-6.24E-09	1.33E-07	1.21E-07	-1.23E-08
4	486123.6	3854936.5	3.43E-07	2.98E-07	-4.50E-08	1.30E-07	1.16E-07	-1.39E-08	6.61E-08	5.91E-08	-7.06E-09	1.30E-07	1.16E-07	-1.39E-08
5	486173.6	3854936.5	3.40E-07	2.92E-07	-4.79E-08	1.29E-07	1.14E-07	-1.50E-08	6.55E-08	5.79E-08	-7.65E-09	1.29E-07	1.14E-07	-1.50E-08
6	486223.6	3854936.5	3.34E-07	2.83E-07	-5.09E-08	1.27E-07	1.10E-07	-1.63E-08	6.45E-08	5.62E-08	-8.29E-09	1.27E-07	1.10E-07	-1.63E-08
7	486273.6	3854936.5	3.30E-07	2.76E-07	-5.36E-08	1.25E-07	1.08E-07	-1.74E-08	6.36E-08	5.48E-08	-8.84E-09	1.25E-07	1.08E-07	-1.74E-08
8	486323.6	3854936.5	3.26E-07	2.70E-07	-5.59E-08	1.24E-07	1.05E-07	-1.83E-08	6.28E-08	5.35E-08	-9.33E-09	1.24E-07	1.05E-07	-1.83E-08
9	485973.6	3854986.5	3.71E-07	3.41E-07	-2.97E-08	1.41E-07	1.33E-07	-7.62E-09	7.15E-08	6.76E-08	-3.88E-09	1.41E-07	1.33E-07	-7.62E-09
10	486023.6	3854986.5	3.65E-07	3.30E-07	-3.45E-08	1.38E-07	1.29E-07	-9.58E-09	7.04E-08	6.55E-08	-4.87E-09	1.38E-07	1.29E-07	-9.58E-09
11	486073.6	3854986.5	3.58E-07	3.19E-07	-3.87E-08	1.36E-07	1.25E-07	-1.13E-08	6.91E-08	6.33E-08	-5.74E-09	1.36E-07	1.25E-07	-1.13E-08
12	486123.6	3854986.5	3.52E-07	3.09E-07	-4.30E-08	1.34E-07	1.21E-07	-1.30E-08	6.79E-08	6.13E-08	-6.62E-09	1.34E-07	1.21E-07	-1.30E-08
13	486173.6	3854986.5	3.48E-07	3.01E-07	-4.62E-08	1.32E-07	1.18E-07	-1.43E-08	6.71E-08	5.98E-08	-7.29E-09	1.32E-07	1.18E-07	-1.43E-08
14	486223.6	3854986.5	3.42E-07	2.92E-07	-4.95E-08	1.30E-07	1.14E-07	-1.57E-08	6.59E-08	5.80E-08	-7.96E-09	1.30E-07	1.14E-07	-1.57E-08
15	486273.6	3854986.5	3.36E-07	2.83E-07	-5.24E-08	1.27E-07	1.10E-07	-1.69E-08	6.47E-08	5.61E-08	-8.58E-09	1.27E-07	1.10E-07	-1.69E-08
16	486323.6	3854986.5	3.34E-07	2.79E-07	-5.50E-08	1.27E-07	1.09E-07	-1.79E-08	6.44E-08	5.53E-08	-9.11E-09	1.27E-07	1.09E-07	-1.79E-08
17	485973.6	3855036.5	3.80E-07	3.54E-07	-2.62E-08	1.44E-07	1.38E-07	-6.17E-09	7.33E-08	7.02E-08	-3.14E-09	1.44E-07	1.38E-07	-6.17E-09
18	486023.6	3855036.5	3.74E-07	3.42E-07	-3.18E-08	1.42E-07	1.33E-07	-8.43E-09	7.21E-08	6.78E-08	-4.29E-09	1.42E-07	1.33E-07	-8.43E-09
19	486073.6	3855036.5	3.66E-07	3.30E-07	-3.66E-08	1.39E-07	1.29E-07	-1.04E-08	7.06E-08	6.54E-08	-5.28E-09	1.39E-07	1.29E-07	-1.04E-08
20	486123.6	3855036.5	3.60E-07	3.19E-07	-4.09E-08	1.37E-07	1.24E-07	-1.21E-08	6.94E-08	6.33E-08	-6.16E-09	1.37E-07	1.24E-07	-1.21E-08
21	486173.6	3855036.5	3.56E-07	3.11E-07	-4.47E-08	1.35E-07	1.21E-07	-1.37E-08	6.86E-08	6.17E-08	-6.94E-09	1.35E-07	1.21E-07	-1.37E-08
22	486223.6	3855036.5	3.49E-07	3.01E-07	-4.84E-08	1.32E-07	1.17E-07	-1.52E-08	6.73E-08	5.96E-08	-7.72E-09	1.32E-07	1.17E-07	-1.52E-08
23	486273.6	3855036.5	3.45E-07	2.94E-07	-5.14E-08	1.31E-07	1.15E-07	-1.64E-08	6.66E-08	5.83E-08	-8.32E-09	1.31E-07	1.15E-07	-1.64E-08
24	486323.6	3855036.5	3.40E-07	2.86E-07	-5.42E-08	1.29E-07	1.11E-07	-1.75E-08	6.56E-08	5.67E-08	-8.91E-09	1.29E-07	1.11E-07	-1.75E-08
25	485973.6	3855086.5	3.90E-07	3.67E-07	-2.29E-08	1.48E-07	1.43E-07	-4.76E-09	7.52E-08	7.27E-08	-2.42E-09	1.48E-07	1.43E-07	-4.76E-09
26	486023.6	3855086.5	3.84E-07	3.55E-07	-2.88E-08	1.46E-07	1.38E-07	-7.15E-09	7.40E-08	7.04E-08	-3.64E-09	1.46E-07	1.38E-07	-7.15E-09
27	486073.6	3855086.5	3.76E-07	3.41E-07	-3.43E-08	1.42E-07	1.33E-07	-9.36E-09	7.25E-08	6.77E-08	-4.76E-09	1.42E-07	1.33E-07	-9.36E-09
28	486123.6	3855086.5	3.70E-07	3.31E-07	-3.88E-08	1.40E-07	1.29E-07	-1.12E-08	7.14E-08	6.57E-08	-5.69E-09	1.40E-07	1.29E-07	-1.12E-08
29	486173.6	3855086.5	3.63E-07	3.20E-07	-4.31E-08	1.38E-07	1.25E-07	-1.29E-08	7.00E-08	6.35E-08	-6.58E-09	1.38E-07	1.25E-07	-1.29E-08
30	486223.6	3855086.5	3.58E-07	3.11E-07	-4.70E-08	1.36E-07	1.21E-07	-1.45E-08	6.91E-08	6.17E-08	-7.38E-09	1.36E-07	1.21E-07	-1.45E-08
31	485973.6	3855136.5	4.01E-07	3.82E-07	-1.94E-08	1.52E-07	1.49E-07	-3.30E-09	7.74E-08	7.57E-08	-1.68E-09	1.52E-07	1.49E-07	-3.30E-09
32	486023.6	3855136.5	3.94E-07	3.68E-07	-2.57E-08	1.49E-07	1.44E-07	-5.82E-09	7.59E-08	7.30E-08	-2.96E-09	1.49E-07	1.44E-07	-5.82E-09
33	486073.6	3855136.5	3.86E-07	3.55E-07	-3.13E-08	1.46E-07	1.38E-07	-8.10E-09	7.45E-08	7.03E-08	-4.12E-09	1.46E-07	1.38E-07	-8.10E-09
34	486123.6	3855136.5	3.80E-07	3.43E-07	-3.67E-08	1.44E-07	1.34E-07	-1.03E-08	7.32E-08	6.80E-08	-5.22E-09	1.44E-07	1.34E-07	-1.03E-08
35	486173.6	3855136.5	3.73E-07	3.31E-07	-4.14E-08	1.41E-07	1.29E-07	-1.22E-08	7.19E-08	6.57E-08	-6.19E-09	1.41E-07	1.29E-07	-1.22E-08
36	486223.6	3855136.5	3.67E-07	3.21E-07	-4.54E-08	1.39E-07	1.25E-07	-1.38E-08	7.07E-08	6.37E-08	-7.03E-09	1.39E-07	1.25E-07	-1.38E-08
37	485973.6	3855186.5	4.13E-07	3.98E-07	-1.51E-08	1.57E-07	1.55E-07	-1.49E-09	7.97E-08	7.89E-08	-7.60E-10	1.57E-07	1.55E-07	-1.49E-09
38	486023.6	3855186.5	4.05E-07	3.83E-07	-2.21E-08	1.54E-07	1.49E-07	-4.30E-09	7.82E-08	7.60E-08	-2.19E-09	1.54E-07	1.49E-07	-4.30E-09
39	486073.6	3855186.5	3.96E-07	3.68E-07	-2.85E-08	1.50E-07	1.43E-07	-6.89E-09	7.65E-08	7.30E-08	-3.50E-09	1.50E-07	1.43E-07	-6.89E-09
40	486123.6	3855186.5	3.88E-07	3.54E-07	-3.41E-08	1.47E-07	1.38E-07	-9.17E-09	7.48E-08	7.01E-08	-4.66E-09	1.47E-07	1.38E-07	-9.17E-09
41	486173.6	3855186.5	3.81E-07	3.42E-07	-3.90E-08	1.45E-07	1.33E-07	-1.12E-08	7.35E-08	6.78E-08	-5.68E-09	1.45E-07	1.33E-07	-1.12E-08
42	486223.6	3855186.5	3.75E-07	3.31E-07	-4.37E-08	1.42E-07	1.29E-07	-1.31E-08	7.23E-08	6.56E-08	-6.64E-09	1.42E-07	1.29E-07	-1.31E-08
43	486273.6	3855186.5	3.68E-07	3.20E-07	-4.75E-08	1.40E-07	1.25E-07	-1.46E-08	7.10E-08	6.35E-08	-7.43E-09	1.40E-07	1.25E-07	-1.46E-08
44	486323.6	3855186.5	3.66E-07	3.15E-07	-5.10E-08	1.39E-07	1.23E-07	-1.60E-08	7.06E-08	6.25E-08	-8.14E-09	1.39E-07	1.23E-07	-1.60E-08
45	485973.6	3855236.5	4.25E-07	4.14E-07	-1.04E-08	1.61E-07	1.62E-07	4.52E-10	8.19E-08	8.22E-08	2.30E-10	1.61E-07	1.62E-07	4.52E-10
46	486023.6	3855236.5	4.15E-07	3.97E-07	-1.84E-08	1.58E-07	1.55E-07	-2.73E-09	8.01E-08	7.87E-08	-1.39E-09	1.58E-07	1.55E-07	-2.73E-09
47	486073.6	3855236.5	4.05E-07	3.80E-07	-2.52E-08	1.54E-07	1.48E-07	-5.51E-09	7.82E-08	7.54E-08	-2.80E-09	1.54E-07	1.48E-07	-5.51E-09
48	486123.6	3855236.5	3.98E-07	3.66E-07	-3.13E-08	1.51E-07	1.43E-07	-7.98E-09	7.67E-08	7.27E-08	-4.06E-09	1.51E-07	1.43E-07	-7.98E-09
49	486173.6	3855236.5	3.90E-07	3.54E-07	-3.68E-08	1.48E-07	1.38E-07	-1.02E-08	7.53E-08	7.01E-08	-5.18E-09	1.48E-07	1.38E-07	-1.02E-08
50	486223.6	3855236.5	3.83E-07	3.41E-07	-4.18E-08	1.45E-07	1.33E-07	-1.22E-08	7.39E-08	6.77E-08	-6.21E-09	1.45E-07	1.33E-07	-1.22E-08
51	486273.6	3855236.5	3.74E-07	3.28E-07	-4.63E-08	1.42E-07	1.28E-07	-1.41E-08	7.22E-08	6.50E-08	-7.16E-09	1.42E-07	1.28E-07	-1.41E-08
52	486323.6	3855236.5	3.75E-07	3.25E-07	-5.01E-08	1.42E-07	1.27E-07	-1.55E-08	7.23E-08	6.44E-08	-7.91E-09	1.42E-07	1.27E-07	-1.55E-08
53	485973.6	3855286.5	4.37E-07	4.32E-07	-5.25E-09	1.66E-07	1.68E-07	2.61E-09	8.43E-08	8.56E-08	1.33E-09	1.66E-07	1.68E-07	2.61E-09
54	486023.6	3855286.5	4.26E-07	4.12E-07	-1.39E-08	1.62E-07	1.61E-07	-8.77E-10	8.22E-08	8.17E-08	-4.46E-10	1.62E-07	1.61E-07	-8.77E-10
55	486073.6	3855286.5	4.17E-07	3.95E-07	-2.16E-08	1.58E-07	1.54E-07	-3.97E-09	8.04E-08	7.83E-08	-2.02E-09	1.58E-07	1.54E-07	-3.97E-09
56	486123.6	3855286.5	4.07E-07	3.79E-07	-2.82E-08	1.54E-07	1.48E-07	-6.67E-09	7.85E-08	7.52E-08	-3.39E-09	1.54E-07	1.48E-07	-6.67E-09
57	486173.6	3855286.5	3.99E-07	3.64E-07	-3.45E-08	1.51E-07	1.42E-07	-9.21E-09	7.70E-08	7.23E-08	-4.69E-09	1.51E-07	1.42E-07	-9.21E-09
58	486223.6	3855286.5	3.92E-07	3.53E-07	-3.97E-08	1.49E-07	1.37E-07	-1.13E-08	7.57E-08	6.99E-08	-5.75E-09	1.49E-07	1.37E-07	-1.13E-08
59	486123.6	3855336.5	4.17E-07	3.92E-07	-2.48E-08	1.58E-07	1.53E-07	-5.24E-09	8.05E-08	7.78E-08	-2.67E-09	1.58E-07	1.53E-07	-5.24E-09
60	486173.6	3855336.5	4.09E-07	3.78E-07	-3.16E-08	1.55E-07	1.47E-07	-7.96E-09	7.90E-08	7.49E-08	-4.05E-09	1.55E-07	1.47E-07	-7.96E-09
61	486223.6	3855336.5	4.02E-07	3.64E-07	-3.76E-08	1.52E-07	1.42E-07	-1.04E-08	7.75E-08	7.22E-08	-5.28E-09	1.52E-07	1.42E-07	-1.04E-08
62	486123.6	3855386.5	4.28E-07	4.07E-07	-2.11E-08	1.62E-07	1.59E-07	-3.65E-09	8.26E-08	8.08E-08	-1.86E-09	1.62E-07	1.59E-07	-3.65E-09
63	486173.6	3855386.5	4.20E-07	3.91E-07	-2.83E-08	1.59E-07	1.53E-07	-6.55E-09	8.10E-08	7.76E-08	-3.33E-09	1.59E-07	1.53E-07	-6.55E-09
64	486223.6	3855386.5	4.12E-07	3.77E-07	-3.47E-08	1.56E-07	1.47E-07	-9.12E-09	7.95E-08	7.49E-08	-4.64E-09	1.56E-07	1.47E-07	-9.12E-09
65	486533.2	3855443.2	3.85E-07	3.24E-07	-6.05E-08	1.46E-07	1.26E-07	-1.95E-08	7.42E-08	6.43E-08	-9.92E-09	1.46E-07	1.26E-07	-1.95E-08
66	486583.2	3855443.2	3.78E-07	3.15E-07	-6.33E-08	1.44E-07	1.23E-07	-2.07E-08	7.30E-08	6.25E-08	-1.05E-08	1.44E-07	1.23E-07	-2.07E-08
67	486633.2	3855443.2	3.72E-07	3.06E-07	-6.61E-08	1.41E-07	1.19E-07	-2.18E-08	7.19E-08	6.08E-08	-1.11E-08	1.41E-07	1.19E-07	-2.18E-08
68	486683.2	3855443.2	3.68E-07	2.99E-07	-6.85E-08	1.40E-07	1.17E-07	-2.28E-08	7.10E-08	5.94E-08	-1.16E-08	1.40E-07	1.17E-07	-2.28E-08
69	486533.2	3855493.2	3.93E-07	3.33E-07	-5.97E-08	1.49E-07	1.30E-07	-1.91E-08	7.58E-08	6.61E-08	-9.71E-09	1.49E-07	1.30E-07	-1.91E-08
70	486583.2	3855493.2	3.87E-07	3.24E-07	-6.26E-08	1.47E-07	1.26E-07	-2.03E-08	7.46E-08	6.43E-08	-1.03E-08	1.47E-07	1.26E-07	-2.03E-08
71	486633.2	3855493.2	3.81E-07	3.15E-07	-6.58E-08	1.45E-07	1.23E-07	-2.16E-08	7.35E-08	6.25E-08	-1.10E-08	1.45E-07	1.23E-07	-2.16E-08
72	486683.2	3855493.2	3.75E-07	3.07E-07	-6.83E-08	1.42E-07	1.20E-07	-2.26E-08	7.24E-08	6.09E-08	-1.15E-08	1.42E-07	1.20E-07	-2.26E-08
73	486533.2	3855543.2	4.03E-07	3.44E-07	-5.84E-08	1.53E-07	1.34E-07	-1.85E-08	7.77E-08	6.83E-08	-9.41E-09	1.53E-07	1.34E-07	-1.85E-08
74	486583.2	3855543.2	3.94E-07	3.33E-07	-6.18E-08	1.50E-07	1.30E-07	-1.99E-08	7.61E-08	6.60E-08	-1.01E-08	1.50E-07	1.30E-07	-1.99E-08
75	486633.2	3855543.2	3.89E-07	3.24E-07	-6.50E-08	1.47E-07	1.26E-07	-2.12E-08	7.50E-08	6.42E-08	-1.08E-08	1.47E-07	1.26E-07	-2.12E-08
76	486683.2	3855543.2	3.81E-07	3.13E-07	-6.81E-08	1.45E-07	1.22E-07	-2.25E-08	7.36E-08	6.22E-08	-1.14E-08	1.45E-07	1.22E-07	-2.25E-08
77	486533.2	3855593.2	4.11E-07	3.54E-07	-5.68E-08	1.56E-07	1.38E-07	-1.78E-08	7.93E-08	7.03E-08	-9.03E-09	1.56E-07	1.38E-07	-1.78E-08
78	486583.2	3855593.2	4.04E-07	3.43E-07	-6.09E-08	1.53E-07	1.34E-07	-1.94E-08	7.79E-08	6.80E-08	-9.89E-09	1.53E-07	1.34E-07	-1.94E-08
79	486633.2	3855593.2	3.97E-07	3.33E-07	-6.45E-08	1.51E-07	1.30E-07	-2.09E-08	7.66E-08	6.60E-08	-1.06E-08	1.51E-07	1.30E-07	-2.09E-08
80	486683.2	3855593.2	3.91E-07	3.24E-07	-6.75E-08	1.48E-07	1.26E-07	-2.22E-08	7.55E-08	6.42E-08	-1.13E-08	1.48E-07	1.26E-07	-2.22E-08
81	486533.2	3855643.2	4.21E-07	3.66E-07	-5.51E-08	1.60E-07	1.43E-07	-1.70E-08	8.12E-08	7.26E-08	-8.65E-09	1.60E-07	1.43E-07	-1.70E-08
82	486583.2	3855643.2	4.13E-07	3.54E-07	-5.95E-08	1.57E-07	1.38E-07	-1.88E-08	7.98E-08	7.02E-08	-9.57E-09	1.57E-07	1.38E-07	-1.88E-08
83	486633.2	3855643.2	4.06E-07	3.43E-07	-6.33E-08	1.54E-07	1.34E-07	-2.04E-08	7.84E-08	6.80E-08	-1.03E-08	1.54E-07	1.34E-07	-2.04E-08
84	486683.2	3855643.2	3.99E-07	3.33E-07	-6.65E-08	1.52E-07	1.30E-07	-2.17E-08	7.71E-08	6.60E-08	-1.10E-08	1.52E-07	1.30E-07	-2.17E-08
85	486533.2	3855693.2	4.32E-07	3.80E-07	-5.27E-08	1.64E-07	1.48E-07	-1.59E-08	8.34E-08	7.53E-08	-8.11E-09	1.64E-07	1.48E-07	-1.59E-08
86	486583.2	3855693.2	4.22E-07	3.65E-07	-5.74E-08	1.60E-07	1.42E-07	-1.79E-08	8.15E-08	7.24E-08	-9.11E-09	1.60E-07	1.42E-07	-1.79E-08
87	486633.2	3855693.2	4.13E-07	3.51E-07	-6.17E-08	1.57E-07	1.37E-07	-1.96E-08	7.97E-08	6.97E-08	-9.99E-09	1.57E-07	1.37E-07	-1.96E-08
88	486683.2	3855693.2	4.08E-07	3.43E-07	-6.53E-08	1.55E-07	1.34E-07	-2.11E-08	7.87E-08	6.80E-08	-1.07E-08	1.55E-07	1.34E-07	-2.11E-08
89	486733.2	3855693.2	4.05E-07	3.36E-07	-6.86E-08	1.54E-07	1.31E-07	-2.24E-08	7.81E-08	6.67E-08	-1.14E-08	1.54E-07	1.31E-07	-2.24E-08
90	486783.2	3855693.2	4.03E-07	3.31E-07	-7.16E-08	1.53E-07	1.29E-07	-2.36E-08	7.77E-08	6.56E-08	-1.20E-08	1.53E-07	1.29E-07	-2.36E-08
91	486533.2	3855743.2	4.43E-07	3.94E-07	-4.91E-08	1.68E-07	1.53E-07	-1.45E-08	8.54E-08	7.81E-08	-7.35E-09	1.68E-07	1.53E-07	-1.45E-08
92	486583.2	3855743.2	4.31E-07	3.76E-07	-5.49E-08	1.63E-07	1.47E-07	-1.68E-08	8.31E-08	7.46E-08	-8.56E-09	1.63E-07	1.47E-07	-1.68E-08

93	486633.2	3855743.2	4.22E-07	3.63E-07	-5.95E-08	1.60E-07	1.42E-07	-1.87E-08	8.15E-08	7.20E-08	-9.52E-09	1.60E-07	1.42E-07	-1.87E-08
94	486683.2	3855743.2	4.18E-07	3.55E-07	-6.36E-08	1.59E-07	1.38E-07	-2.04E-08	8.07E-08	7.04E-08	-1.04E-08	1.59E-07	1.38E-07	-2.04E-08
95	486733.2	3855743.2	4.13E-07	3.46E-07	-6.72E-08	1.57E-07	1.35E-07	-2.18E-08	7.97E-08	6.86E-08	-1.11E-08	1.57E-07	1.35E-07	-2.18E-08
96	486783.2	3855743.2	4.12E-07	3.41E-07	-7.05E-08	1.56E-07	1.33E-07	-2.31E-08	7.94E-08	6.77E-08	-1.18E-08	1.56E-07	1.33E-07	-2.31E-08
97	486533.2	3855793.2	4.54E-07	4.09E-07	-4.45E-08	1.72E-07	1.60E-07	-1.25E-08	8.76E-08	8.12E-08	-6.37E-09	1.72E-07	1.60E-07	-1.25E-08
98	486583.2	3855793.2	4.39E-07	3.88E-07	-5.15E-08	1.67E-07	1.51E-07	-1.54E-08	8.47E-08	7.69E-08	-7.83E-09	1.67E-07	1.51E-07	-1.54E-08
99	486633.2	3855793.2	4.34E-07	3.78E-07	-5.66E-08	1.65E-07	1.47E-07	-1.74E-08	8.38E-08	7.49E-08	-8.87E-09	1.65E-07	1.47E-07	-1.74E-08
100	486683.2	3855793.2	4.30E-07	3.69E-07	-6.14E-08	1.63E-07	1.44E-07	-1.94E-08	8.30E-08	7.31E-08	-9.85E-09	1.63E-07	1.44E-07	-1.94E-08
101	486733.2	3855793.2	4.25E-07	3.59E-07	-6.54E-08	1.61E-07	1.40E-07	-2.10E-08	8.19E-08	7.13E-08	-1.07E-08	1.61E-07	1.40E-07	-2.10E-08
102	486783.2	3855793.2	4.21E-07	3.51E-07	-6.92E-08	1.60E-07	1.37E-07	-2.25E-08	8.11E-08	6.97E-08	-1.14E-08	1.60E-07	1.37E-07	-2.25E-08
103	486533.2	3855843.2	4.63E-07	4.25E-07	-3.88E-08	1.76E-07	1.66E-07	-1.02E-08	8.94E-08	8.42E-08	-5.19E-09	1.76E-07	1.66E-07	-1.02E-08
104	486583.2	3855843.2	4.51E-07	4.04E-07	-4.69E-08	1.71E-07	1.58E-07	-1.35E-08	8.70E-08	8.01E-08	-6.86E-09	1.71E-07	1.58E-07	-1.35E-08
105	486633.2	3855843.2	4.45E-07	3.93E-07	-5.27E-08	1.69E-07	1.53E-07	-1.58E-08	8.59E-08	7.79E-08	-8.04E-09	1.69E-07	1.53E-07	-1.58E-08
106	486683.2	3855843.2	4.40E-07	3.83E-07	-5.79E-08	1.67E-07	1.49E-07	-1.79E-08	8.50E-08	7.59E-08	-9.09E-09	1.67E-07	1.49E-07	-1.79E-08
107	486733.2	3855843.2	4.36E-07	3.73E-07	-6.27E-08	1.65E-07	1.46E-07	-1.98E-08	8.41E-08	7.40E-08	-1.01E-08	1.65E-07	1.46E-07	-1.98E-08
108	486783.2	3855843.2	4.31E-07	3.64E-07	-6.69E-08	1.63E-07	1.42E-07	-2.15E-08	8.31E-08	7.22E-08	-1.09E-08	1.63E-07	1.42E-07	-2.15E-08
109	486533.2	3855893.2	4.70E-07	4.38E-07	-3.22E-08	1.78E-07	1.71E-07	-7.53E-09	9.07E-08	8.69E-08	-3.83E-09	1.78E-07	1.71E-07	-7.53E-09
110	486583.2	3855893.2	4.64E-07	4.23E-07	-4.05E-08	1.76E-07	1.65E-07	-1.09E-08	8.95E-08	8.40E-08	-5.52E-09	1.76E-07	1.65E-07	-1.09E-08
111	486633.2	3855893.2	4.57E-07	4.10E-07	-4.74E-08	1.73E-07	1.60E-07	-1.36E-08	8.82E-08	8.13E-08	-6.93E-09	1.73E-07	1.60E-07	-1.36E-08
112	486683.2	3855893.2	4.52E-07	3.98E-07	-5.36E-08	1.71E-07	1.55E-07	-1.61E-08	8.71E-08	7.90E-08	-8.18E-09	1.71E-07	1.55E-07	-1.61E-08
113	486733.2	3855893.2	4.47E-07	3.88E-07	-5.91E-08	1.69E-07	1.51E-07	-1.83E-08	8.62E-08	7.69E-08	-9.30E-09	1.69E-07	1.51E-07	-1.83E-08
114	486783.2	3855893.2	4.43E-07	3.79E-07	-6.40E-08	1.68E-07	1.48E-07	-2.03E-08	8.54E-08	7.51E-08	-1.03E-08	1.68E-07	1.48E-07	-2.03E-08
115	486533.2	3855943.2	4.82E-07	4.59E-07	-2.33E-08	1.83E-07	1.79E-07	-3.94E-09	9.31E-08	9.10E-08	-2.00E-09	1.83E-07	1.79E-07	-3.94E-09
116	486583.2	3855943.2	4.77E-07	4.45E-07	-3.22E-08	1.81E-07	1.74E-07	-7.48E-09	9.21E-08	8.83E-08	-3.81E-09	1.81E-07	1.74E-07	-7.48E-09
117	486633.2	3855943.2	4.70E-07	4.29E-07	-4.08E-08	1.78E-07	1.67E-07	-1.09E-08	9.06E-08	8.51E-08	-5.55E-09	1.78E-07	1.67E-07	-1.09E-08
118	486683.2	3855943.2	4.65E-07	4.17E-07	-4.81E-08	1.76E-07	1.63E-07	-1.38E-08	8.97E-08	8.26E-08	-7.01E-09	1.76E-07	1.63E-07	-1.38E-08
119	486733.2	3855943.2	4.58E-07	4.04E-07	-5.46E-08	1.74E-07	1.58E-07	-1.64E-08	8.84E-08	8.01E-08	-8.34E-09	1.74E-07	1.58E-07	-1.64E-08
120	486783.2	3855943.2	4.54E-07	3.94E-07	-6.00E-08	1.72E-07	1.54E-07	-1.86E-08	8.76E-08	7.81E-08	-9.45E-09	1.72E-07	1.54E-07	-1.86E-08
121	486533.2	3855993.2	4.97E-07	4.86E-07	-1.11E-08	1.88E-07	1.89E-07	9.71E-10	9.58E-08	9.63E-08	4.94E-10	1.88E-07	1.89E-07	9.71E-10
122	486583.2	3855993.2	4.90E-07	4.67E-07	-2.26E-08	1.86E-07	1.82E-07	-3.57E-09	9.45E-08	9.27E-08	-1.82E-09	1.86E-07	1.82E-07	-3.57E-09
123	486633.2	3855993.2	4.83E-07	4.50E-07	-3.23E-08	1.83E-07	1.76E-07	-7.47E-09	9.31E-08	8.93E-08	-3.80E-09	1.83E-07	1.76E-07	-7.47E-09
124	486683.2	3855993.2	4.77E-07	4.37E-07	-4.09E-08	1.81E-07	1.70E-07	-1.08E-08	9.21E-08	8.66E-08	-5.51E-09	1.81E-07	1.70E-07	-1.08E-08
125	486733.2	3855993.2	4.71E-07	4.22E-07	-4.83E-08	1.79E-07	1.65E-07	-1.38E-08	9.08E-08	8.38E-08	-7.02E-09	1.79E-07	1.65E-07	-1.38E-08
126	486783.2	3855993.2	4.65E-07	4.10E-07	-5.49E-08	1.76E-07	1.60E-07	-1.65E-08	8.97E-08	8.14E-08	-8.37E-09	1.76E-07	1.60E-07	-1.65E-08
127	486533.2	3856043.2	5.12E-07	5.15E-07	3.24E-09	1.94E-07	2.01E-07	6.72E-09	9.87E-08	1.02E-07	3.42E-09	1.94E-07	2.01E-07	6.72E-09
128	486583.2	3856043.2	5.05E-07	4.95E-07	-9.96E-09	1.92E-07	1.93E-07	1.50E-09	9.74E-08	9.82E-08	7.62E-10	1.92E-07	1.93E-07	1.50E-09
129	486633.2	3856043.2	4.96E-07	4.75E-07	-2.16E-08	1.88E-07	1.85E-07	-3.13E-09	9.57E-08	9.42E-08	-1.59E-09	1.88E-07	1.85E-07	-3.13E-09
130	486683.2	3856043.2	4.91E-07	4.59E-07	-3.18E-08	1.86E-07	1.79E-07	-7.18E-09	9.47E-08	9.10E-08	-3.65E-09	1.86E-07	1.79E-07	-7.18E-09
131	486733.2	3856043.2	4.83E-07	4.43E-07	-4.05E-08	1.83E-07	1.73E-07	-1.07E-08	9.32E-08	8.78E-08	-5.42E-09	1.83E-07	1.73E-07	-1.07E-08
132	486783.2	3856043.2	4.79E-07	4.30E-07	-4.85E-08	1.82E-07	1.68E-07	-1.38E-08	9.24E-08	8.53E-08	-7.02E-09	1.82E-07	1.68E-07	-1.38E-08
133	486533.2	3856093.2	5.28E-07	5.50E-07	2.20E-08	2.00E-07	2.15E-07	1.42E-08	1.02E-07	1.09E-07	7.23E-09	2.00E-07	2.15E-07	1.42E-08
134	486583.2	3856093.2	5.20E-07	5.25E-07	5.72E-09	1.97E-07	2.05E-07	7.77E-09	1.00E-07	1.04E-07	3.95E-09	1.97E-07	2.05E-07	7.77E-09
135	486633.2	3856093.2	5.12E-07	5.03E-07	-8.58E-09	1.94E-07	1.96E-07	2.11E-09	9.87E-08	9.98E-08	1.07E-09	1.94E-07	1.96E-07	2.11E-09
136	486683.2	3856093.2	5.05E-07	4.84E-07	-2.05E-08	1.92E-07	1.89E-07	-2.63E-09	9.74E-08	9.61E-08	-1.34E-09	1.92E-07	1.89E-07	-2.63E-09
137	486733.2	3856093.2	4.97E-07	4.66E-07	-3.09E-08	1.89E-07	1.82E-07	-6.74E-09	9.59E-08	9.25E-08	-3.43E-09	1.89E-07	1.82E-07	-6.74E-09
138	486783.2	3856093.2	4.92E-07	4.51E-07	-4.05E-08	1.87E-07	1.76E-07	-1.05E-08	9.49E-08	8.95E-08	-5.36E-09	1.87E-07	1.76E-07	-1.05E-08
139	486533.2	3856143.2	5.44E-07	5.90E-07	4.57E-08	2.07E-07	2.30E-07	2.36E-08	1.05E-07	1.17E-07	1.20E-08	2.07E-07	2.30E-07	2.36E-08
140	486583.2	3856143.2	5.35E-07	5.60E-07	2.52E-08	2.03E-07	2.18E-07	1.55E-08	1.03E-07	1.11E-07	7.90E-09	2.03E-07	2.18E-07	1.55E-08
141	486633.2	3856143.2	5.27E-07	5.35E-07	8.49E-09	2.00E-07	2.09E-07	8.93E-09	1.02E-07	1.06E-07	4.54E-09	2.00E-07	2.09E-07	8.93E-09
142	486683.2	3856143.2	5.19E-07	5.13E-07	-5.94E-09	1.97E-07	2.00E-07	3.21E-09	1.00E-07	1.02E-07	1.63E-09	1.97E-07	2.00E-07	3.21E-09
143	486733.2	3856143.2	5.12E-07	4.93E-07	-1.88E-08	1.94E-07	1.92E-07	-1.88E-09	9.87E-08	9.77E-08	-9.57E-10	1.94E-07	1.92E-07	-1.88E-09
144	486783.2	3856143.2	5.07E-07	4.77E-07	-2.95E-08	1.92E-07	1.86E-07	-6.10E-09	9.77E-08	9.46E-08	-3.10E-09	1.92E-07	1.86E-07	-6.10E-09
145	486533.2	3856193.2	5.62E-07	6.41E-07	7.82E-08	2.13E-07	2.50E-07	3.65E-08	1.09E-07	1.27E-07	1.86E-08	2.13E-07	2.50E-07	3.65E-08
146	486583.2	3856193.2	5.51E-07	6.02E-07	5.13E-08	2.09E-07	2.35E-07	2.59E-08	1.06E-07	1.20E-07	1.32E-08	2.09E-07	2.35E-07	2.59E-08
147	486633.2	3856193.2	5.43E-07	5.73E-07	3.03E-08	2.06E-07	2.23E-07	1.76E-08	1.05E-07	1.14E-07	8.95E-09	2.06E-07	2.23E-07	1.76E-08
148	486683.2	3856193.2	5.36E-07	5.49E-07	1.27E-08	2.03E-07	2.14E-07	1.06E-08	1.03E-07	1.09E-07	5.42E-09	2.03E-07	2.14E-07	1.06E-08
149	486733.2	3856193.2	5.27E-07	5.24E-07	-3.17E-09	2.00E-07	2.04E-07	4.39E-09	1.02E-07	1.04E-07	2.23E-09	2.00E-07	2.04E-07	4.39E-09
150	486783.2	3856193.2	5.22E-07	5.05E-07	-1.71E-08	1.98E-07	1.97E-07	-1.10E-09	1.01E-07	1.00E-07	-5.61E-10	1.98E-07	1.97E-07	-1.10E-09
151	486533.2	3856243.2	5.80E-07	7.00E-07	1.19E-07	2.20E-07	2.73E-07	5.27E-08	1.12E-07	1.39E-07	2.68E-08	2.20E-07	2.73E-07	5.27E-08
152	486583.2	3856243.2	5.70E-07	6.55E-07	8.51E-08	2.16E-07	2.56E-07	3.93E-08	1.10E-07	1.30E-07	2.00E-08	2.16E-07	2.56E-07	3.93E-08
153	486633.2	3856243.2	5.60E-07	6.18E-07	5.74E-08	2.13E-07	2.41E-07	2.84E-08	1.08E-07	1.23E-07	1.44E-08	2.13E-07	2.41E-07	2.84E-08
154	486683.2	3856243.2	5.52E-07	5.86E-07	3.40E-08	2.09E-07	2.29E-07	1.91E-08	1.07E-07	1.16E-07	9.74E-09	2.09E-07	2.29E-07	1.91E-08
155	486733.2	3856243.2	5.45E-07	5.59E-07	1.42E-08	2.07E-07	2.18E-07	1.14E-08	1.05E-07	1.11E-07	5.78E-09	2.07E-07	2.18E-07	1.14E-08
156	486783.2	3856243.2	5.37E-07	5.34E-07	-2.53E-09	2.04E-07	2.08E-07	4.74E-09	1.04E-07	1.06E-07	2.41E-09	2.04E-07	2.08E-07	4.74E-09
157	486533.2	3856293.2	6.00E-07	7.71E-07	1.71E-07	2.28E-07	3.01E-07	7.31E-08	1.16E-07	1.53E-07	3.72E-08	2.28E-07	3.01E-07	7.31E-08
158	486583.2	3856293.2	5.89E-07	7.15E-07	1.26E-07	2.23E-07	2.79E-07	5.54E-08	1.14E-07	1.42E-07	2.82E-08	2.23E-07	2.79E-07	5.54E-08
159	486633.2	3856293.2	5.79E-07	6.68E-07	8.98E-08	2.20E-07	2.61E-07	4.12E-08	1.12E-07	1.33E-07	2.09E-08	2.20E-07	2.61E-07	4.12E-08
160	486683.2	3856293.2	5.69E-07	6.30E-07	6.06E-08	2.16E-07	2.46E-07	2.97E-08	1.10E-07	1.25E-07	1.51E-08	2.16E-07	2.46E-07	2.97E-08
161	486733.2	3856293.2	5.62E-07	5.98E-07	3.58E-08	2.13E-07	2.33E-07	2.00E-08	1.09E-07	1.19E-07	1.02E-08	2.13E-07	2.33E-07	2.00E-08
162	486783.2	3856293.2	5.54E-07	5.69E-07	1.50E-08	2.10E-07	2.22E-07	1.17E-08	1.07E-07	1.13E-07	5.97E-09	2.10E-07	2.22E-07	1.17E-08
163	486783.2	3856343.2	5.73E-07	6.09E-07	3.63E-08	2.17E-07	2.38E-07	2.03E-08	1.11E-07	1.21E-07	1.03E-08	2.17E-07	2.38E-07	2.03E-08
164	486833.2	3856343.2	5.65E-07	5.79E-07	1.41E-08	2.14E-07	2.26E-07	1.15E-08	1.09E-07	1.15E-07	5.86E-09	2.14E-07	2.26E-07	1.15E-08
165	486883.2	3856343.2	5.58E-07	5.52E-07	-5.14E-09	2.12E-07	2.15E-07	3.94E-09	1.08E-07	1.10E-07	2.00E-09	2.12E-07	2.15E-07	3.94E-09
166	486783.2	3856393.2	5.90E-07	6.52E-07	6.18E-08	2.24E-07	2.54E-07	3.04E-08	1.14E-07	1.29E-07	1.55E-08	2.24E-07	2.54E-07	3.04E-08
167	486833.2	3856393.2	5.82E-07	6.17E-07	3.47E-08	2.21E-07	2.40E-07	1.97E-08	1.12E-07	1.22E-07	1.00E-08	2.21E-07	2.40E-07	1.97E-08
168	486883.2	3856393.2	5.73E-07	5.85E-07	1.18E-08	2.17E-07	2.28E-07	1.07E-08	1.11E-07	1.16E-07	5.45E-09	2.17E-07	2.28E-07	1.07E-08
169	487208.7	3856886.1	7.10E-07	7.69E-07	5.92E-08	2.69E-07	3.00E-07	3.07E-08	1.37E-07	1.53E-07	1.56E-08	2.69E-07	3.00E-07	3.07E-08
170	487258.7	3856886.1	6.96E-07	7.18E-07	2.14E-08	2.64E-07	2.80E-07	1.58E-08	1.34E-07	1.42E-07	8.02E-09	2.64E-07	2.80E-07	1.58E-08
171	487308.7	3856886.1	6.84E-07	6.74E-07	-9.66E-09	2.60E-07	2.63E-07	3.52E-09	1.32E-07	1.34E-07	1.79E-09	2.60E-07	2.63E-07	3.52E-09
172	487358.7	3856886.1	6.71E-07	6.37E-07	-3.42E-08	2.55E-07	2.49E-07	-6.20E-09	1.30E-07	1.26E-07	-3.15E-09	2.55E-07	2.49E-07	-6.20E-09
173	487208.7	3856936.1	7.36E-07	8.38E-07	1.02E-07	2.79E-07	3.27E-07	4.77E-08	1.42E-07	1.66E-07	2.42E-08	2.79E-07	3.27E-07	4.77E-08
174	487258.7	3856936.1	7.21E-07	7.75E-07	5.39E-08	2.74E-07	3.02E-07	2.87E-08	1.39E-07	1.54E-07	1.46E-08	2.74E-07	3.02E-07	2.87E-08
175	487308.7	3856936.1	7.09E-07	7.24E-07	1.47E-08	2.69E-07	2.82E-07	1.33E-08	1.37E-07	1.44E-07	6.76E-09	2.69E-07	2.82E-07	1.33E-08
176	487358.7	3856936.1	6.96E-07	6.80E-07	-1.61E-08	2.64E-07	2.65E-07	1.15E-09	1.34E-07	1.35E-07	5.83E-10	2.64E-07	2.65E-07	1.15E-09
177	487208.7	3856986.1	7.64E-07	9.24E-07	1.60E-07	2.90E-07	3.60E-07	7.04E-08	1.47E-07	1.83E-07	3.58E-08	2.90E-07	3.60E-07	7.04E-08
178	487258.7	3856986.1	7.50E-07	8.46E-07	9.53E-08	2.85E-07	3.30E-07	4.52E-08	1.45E-07	1.68E-07	2.30E-08	2.85E-07	3.30E-07	4.52E-08
179	487308.7	3856986.1	7.35E-07	7.82E-07	4.76E-08	2.79E-07	3.05E-07	2.64E-08	1.42E-07	1.55E-07	1.34E-08	2.79E-07	3.05E-07	2.64E-08
180	487358.7	3856986.1	7.22E-07	7.30E-07	7.92E-09	2.74E-07	2.85E-07	1.08E-08	1.39E-07	1.45E-07	5.48E-09	2.74E-07	2.85E-07	1.08E-08
181	487208.7	3857036.1	7.94E-07	1.03E-06	2.39E-07	3.01E-07	4.03E-07	1.02E-07	1.53E-07	2.05E-07	5.18E-08	3.01E-07	4.03E-07	1.02E-07
182	487258.7	3857036.1	7.78E-07	9.32E-07	1.54E-07	2.95E-07	3.64E-07	6.85E-08	1.50E-07	1.85E-07	3.48E-08	2.95E-07	3.64E-07	6.85E-08
183	487308.7	3857036.1	7.64E-07	8.53E-07	8.93E-08	2.90E-07	3.33E-07	4.30E-08	1.47E-07	1.69E-07	2.19E-08	2.90E-07	3.33E-07	4.30E-08
184	487358.7	3857036.1	7.49E-07	7.89E-07	3.96E-08	2.84E-07	3.08E-07	2.34E-08	1.45E-07	1.56E-07	1.19E-08	2.84E-07	3.08E-07	2.34E-08
185	487427.1	3856878.2	6.55E-07	5.89E-07	-6.54E-08	2.48E-07	2.30E-07	-1.85E-08	1.26E-07	1.17E-07	-9.41E-09	2.48E-07	2.30E-07	-1.85E-08
186	487477.1	3856878.2	6.45E-07	5.63E-07	-8.18E-08	2.45E-07	2.20E-07	-2.50E-08	1.24E-07	1.12E-07	-1.27E-08	2.45E-07	2.20E-07	-2.50E-08

187	487527.1	3856878.2	6.35E-07	5.40E-07	-9.53E-08	2.41E-07	2.10E-07	-3.04E-08	1.23E-07	1.07E-07	-1.55E-08	2.41E-07	2.10E-07	-3.04E-08
188	487427.1	3856928.2	6.77E-07	6.24E-07	-5.29E-08	2.57E-07	2.43E-07	-1.34E-08	1.31E-07	1.24E-07	-6.83E-09	2.57E-07	2.43E-07	-1.34E-08
189	487477.1	3856928.2	6.65E-07	5.94E-07	-7.15E-08	2.52E-07	2.32E-07	-2.08E-08	1.28E-07	1.18E-07	-1.06E-08	2.52E-07	2.32E-07	-2.08E-08
190	487527.1	3856928.2	6.55E-07	5.67E-07	-8.78E-08	2.48E-07	2.21E-07	-2.73E-08	1.26E-07	1.12E-07	-1.39E-08	2.48E-07	2.21E-07	-2.73E-08
191	487577.1	3856928.2	6.45E-07	5.43E-07	-1.01E-07	2.45E-07	2.12E-07	-3.27E-08	1.24E-07	1.08E-07	-1.66E-08	2.45E-07	2.12E-07	-3.27E-08
192	487627.1	3856928.2	6.35E-07	5.22E-07	-1.13E-07	2.41E-07	2.04E-07	-3.71E-08	1.22E-07	1.04E-07	-1.89E-08	2.41E-07	2.04E-07	-3.71E-08
193	487677.1	3856928.2	6.26E-07	5.03E-07	-1.23E-07	2.37E-07	1.96E-07	-4.13E-08	1.21E-07	9.97E-08	-2.10E-08	2.37E-07	1.96E-07	-4.13E-08
194	487727.1	3856928.2	6.18E-07	4.86E-07	-1.33E-07	2.35E-07	1.89E-07	-4.51E-08	1.19E-07	9.63E-08	-2.29E-08	2.35E-07	1.89E-07	-4.51E-08
195	487777.1	3856928.2	6.10E-07	4.70E-07	-1.40E-07	2.31E-07	1.83E-07	-4.81E-08	1.18E-07	9.32E-08	-2.44E-08	2.31E-07	1.83E-07	-4.81E-08
196	487427.1	3856978.2	7.00E-07	6.64E-07	-3.59E-08	2.65E-07	2.59E-07	-6.54E-09	1.35E-07	1.32E-07	-3.33E-09	2.65E-07	2.59E-07	-6.54E-09
197	487477.1	3856978.2	6.88E-07	6.29E-07	-5.93E-08	2.61E-07	2.45E-07	-1.58E-08	1.33E-07	1.25E-07	-8.03E-09	2.61E-07	2.45E-07	-1.58E-08
198	487527.1	3856978.2	6.77E-07	5.98E-07	-7.90E-08	2.57E-07	2.33E-07	-2.36E-08	1.31E-07	1.19E-07	-1.20E-08	2.57E-07	2.33E-07	-2.36E-08
199	487577.1	3856978.2	6.67E-07	5.71E-07	-9.52E-08	2.53E-07	2.23E-07	-3.00E-08	1.29E-07	1.13E-07	-1.53E-08	2.53E-07	2.23E-07	-3.00E-08
200	487627.1	3856978.2	6.55E-07	5.47E-07	-1.08E-07	2.48E-07	2.13E-07	-3.50E-08	1.26E-07	1.09E-07	-1.78E-08	2.48E-07	2.13E-07	-3.50E-08
201	487677.1	3856978.2	6.46E-07	5.26E-07	-1.20E-07	2.45E-07	2.05E-07	-3.99E-08	1.25E-07	1.04E-07	-2.03E-08	2.45E-07	2.05E-07	-3.99E-08
202	487727.1	3856978.2	6.33E-07	5.06E-07	-1.27E-07	2.40E-07	1.97E-07	-4.29E-08	1.22E-07	1.00E-07	-2.18E-08	2.40E-07	1.97E-07	-4.29E-08
203	487777.1	3856978.2	6.29E-07	4.89E-07	-1.40E-07	2.39E-07	1.91E-07	-4.77E-08	1.21E-07	9.70E-08	-2.43E-08	2.39E-07	1.91E-07	-4.77E-08
204	487427.1	3857028.2	7.26E-07	7.10E-07	-1.57E-08	2.75E-07	2.77E-07	1.61E-09	1.40E-07	1.41E-07	8.19E-10	2.75E-07	2.77E-07	1.61E-09
205	487477.1	3857028.2	7.13E-07	6.69E-07	-4.42E-08	2.71E-07	2.61E-07	-9.65E-09	1.38E-07	1.33E-07	-4.91E-09	2.71E-07	2.61E-07	-9.65E-09
206	487527.1	3857028.2	7.00E-07	6.34E-07	-6.68E-08	2.66E-07	2.47E-07	-1.86E-08	1.35E-07	1.26E-07	-9.44E-09	2.66E-07	2.47E-07	-1.86E-08
207	487577.1	3857028.2	6.89E-07	6.03E-07	-8.64E-08	2.61E-07	2.35E-07	-2.64E-08	1.33E-07	1.20E-07	-1.34E-08	2.61E-07	2.35E-07	-2.64E-08
208	487627.1	3857028.2	6.76E-07	5.75E-07	-1.01E-07	2.56E-07	2.24E-07	-3.22E-08	1.30E-07	1.14E-07	-1.64E-08	2.56E-07	2.24E-07	-3.22E-08
209	487677.1	3857028.2	6.66E-07	5.51E-07	-1.15E-07	2.53E-07	2.15E-07	-3.78E-08	1.28E-07	1.09E-07	-1.92E-08	2.53E-07	2.15E-07	-3.78E-08
210	487727.1	3857028.2	6.57E-07	5.30E-07	-1.28E-07	2.49E-07	2.07E-07	-4.28E-08	1.27E-07	1.05E-07	-2.18E-08	2.49E-07	2.07E-07	-4.28E-08
211	487777.1	3857028.2	6.48E-07	5.10E-07	-1.38E-07	2.46E-07	1.99E-07	-4.69E-08	1.25E-07	1.01E-07	-2.38E-08	2.46E-07	1.99E-07	-4.69E-08
212	487427.1	3857078.2	7.54E-07	7.65E-07	1.12E-08	2.86E-07	2.98E-07	1.24E-08	1.45E-07	1.52E-07	6.30E-09	2.86E-07	2.98E-07	1.24E-08
213	487477.1	3857078.2	7.39E-07	7.16E-07	-2.32E-08	2.80E-07	2.79E-07	-1.18E-09	1.43E-07	1.42E-07	-6.02E-10	2.80E-07	2.79E-07	-1.18E-09
214	487527.1	3857078.2	7.26E-07	6.74E-07	-5.18E-08	2.75E-07	2.63E-07	-1.25E-08	1.40E-07	1.34E-07	-6.34E-09	2.75E-07	2.63E-07	-1.25E-08
215	487577.1	3857078.2	7.13E-07	6.38E-07	-7.46E-08	2.70E-07	2.49E-07	-2.15E-08	1.38E-07	1.27E-07	-1.09E-08	2.70E-07	2.49E-07	-2.15E-08
216	487627.1	3857078.2	7.00E-07	6.07E-07	-9.29E-08	2.65E-07	2.37E-07	-2.88E-08	1.35E-07	1.20E-07	-1.46E-08	2.65E-07	2.37E-07	-2.88E-08
217	487677.1	3857078.2	6.89E-07	5.80E-07	-1.09E-07	2.61E-07	2.26E-07	-3.53E-08	1.33E-07	1.15E-07	-1.80E-08	2.61E-07	2.26E-07	-3.53E-08
218	487727.1	3857078.2	6.79E-07	5.55E-07	-1.23E-07	2.57E-07	2.17E-07	-4.09E-08	1.31E-07	1.10E-07	-2.08E-08	2.57E-07	2.17E-07	-4.09E-08
219	487777.1	3857078.2	6.68E-07	5.33E-07	-1.35E-07	2.53E-07	2.08E-07	-4.54E-08	1.29E-07	1.06E-07	-2.31E-08	2.53E-07	2.08E-07	-4.54E-08
220	487427.1	3857128.2	7.84E-07	8.31E-07	4.69E-08	2.97E-07	3.24E-07	2.66E-08	1.51E-07	1.65E-07	1.35E-08	2.97E-07	3.24E-07	2.66E-08
221	487477.1	3857128.2	7.67E-07	7.71E-07	4.06E-09	2.91E-07	3.01E-07	9.76E-09	1.48E-07	1.53E-07	4.96E-09	2.91E-07	3.01E-07	9.76E-09
222	487527.1	3857128.2	7.52E-07	7.22E-07	-3.03E-08	2.85E-07	2.82E-07	-3.78E-09	1.45E-07	1.43E-07	-1.92E-09	2.85E-07	2.82E-07	-3.78E-09
223	487577.1	3857128.2	7.39E-07	6.80E-07	-5.89E-08	2.80E-07	2.65E-07	-1.51E-08	1.42E-07	1.35E-07	-7.67E-09	2.80E-07	2.65E-07	-1.51E-08
224	487627.1	3857128.2	7.25E-07	6.43E-07	-8.21E-08	2.75E-07	2.51E-07	-2.43E-08	1.40E-07	1.28E-07	-1.24E-08	2.75E-07	2.51E-07	-2.43E-08
225	487677.1	3857128.2	7.12E-07	6.12E-07	-1.01E-07	2.70E-07	2.39E-07	-3.16E-08	1.37E-07	1.21E-07	-1.61E-08	2.70E-07	2.39E-07	-3.16E-08
226	487727.1	3857128.2	7.02E-07	5.84E-07	-1.18E-07	2.66E-07	2.28E-07	-3.85E-08	1.35E-07	1.16E-07	-1.96E-08	2.66E-07	2.28E-07	-3.85E-08
227	487777.1	3857128.2	6.90E-07	5.60E-07	-1.31E-07	2.62E-07	2.18E-07	-4.37E-08	1.33E-07	1.11E-07	-2.22E-08	2.62E-07	2.18E-07	-4.37E-08
228	488049.4	3856539.4	4.78E-07	3.29E-07	-1.49E-07	1.81E-07	1.28E-07	-5.30E-08	9.23E-08	6.53E-08	-2.70E-08	1.81E-07	1.28E-07	-5.30E-08
229	488099.4	3856539.4	4.73E-07	3.23E-07	-1.50E-07	1.79E-07	1.26E-07	-5.33E-08	9.12E-08	6.41E-08	-2.71E-08	1.79E-07	1.26E-07	-5.33E-08
230	488149.4	3856539.4	4.68E-07	3.18E-07	-1.51E-07	1.78E-07	1.24E-07	-5.37E-08	9.04E-08	6.30E-08	-2.73E-08	1.78E-07	1.24E-07	-5.37E-08
231	488049.4	3856589.4	4.89E-07	3.37E-07	-1.52E-07	1.85E-07	1.31E-07	-5.40E-08	9.43E-08	6.68E-08	-2.74E-08	1.85E-07	1.31E-07	-5.40E-08
232	488099.4	3856589.4	4.83E-07	3.31E-07	-1.53E-07	1.83E-07	1.29E-07	-5.44E-08	9.32E-08	6.56E-08	-2.76E-08	1.83E-07	1.29E-07	-5.44E-08
233	488149.4	3856589.4	4.78E-07	3.25E-07	-1.53E-07	1.81E-07	1.27E-07	-5.47E-08	9.23E-08	6.44E-08	-2.78E-08	1.81E-07	1.27E-07	-5.47E-08
234	488199.4	3856589.4	4.73E-07	3.19E-07	-1.54E-07	1.79E-07	1.24E-07	-5.50E-08	9.12E-08	6.33E-08	-2.79E-08	1.79E-07	1.24E-07	-5.50E-08
235	488249.4	3856589.4	4.71E-07	3.14E-07	-1.56E-07	1.79E-07	1.23E-07	-5.59E-08	9.08E-08	6.24E-08	-2.84E-08	1.79E-07	1.23E-07	-5.59E-08
236	488049.4	3856639.4	4.99E-07	3.45E-07	-1.54E-07	1.89E-07	1.35E-07	-5.48E-08	9.63E-08	6.84E-08	-2.79E-08	1.89E-07	1.35E-07	-5.48E-08
237	488099.4	3856639.4	4.94E-07	3.38E-07	-1.55E-07	1.87E-07	1.32E-07	-5.53E-08	9.52E-08	6.71E-08	-2.81E-08	1.87E-07	1.32E-07	-5.53E-08
238	488149.4	3856639.4	4.88E-07	3.32E-07	-1.56E-07	1.85E-07	1.30E-07	-5.57E-08	9.42E-08	6.59E-08	-2.83E-08	1.85E-07	1.30E-07	-5.57E-08
239	488199.4	3856639.4	4.84E-07	3.27E-07	-1.58E-07	1.84E-07	1.27E-07	-5.63E-08	9.34E-08	6.48E-08	-2.86E-08	1.84E-07	1.27E-07	-5.63E-08
240	488249.4	3856639.4	4.80E-07	3.21E-07	-1.59E-07	1.82E-07	1.25E-07	-5.67E-08	9.25E-08	6.37E-08	-2.89E-08	1.82E-07	1.25E-07	-5.67E-08
241	488299.4	3856639.4	4.76E-07	3.16E-07	-1.60E-07	1.80E-07	1.23E-07	-5.72E-08	9.17E-08	6.26E-08	-2.91E-08	1.80E-07	1.23E-07	-5.72E-08
242	488349.4	3856639.4	4.71E-07	3.11E-07	-1.60E-07	1.79E-07	1.21E-07	-5.74E-08	9.08E-08	6.16E-08	-2.92E-08	1.79E-07	1.21E-07	-5.74E-08
243	488399.4	3856639.4	4.67E-07	3.06E-07	-1.61E-07	1.77E-07	1.19E-07	-5.79E-08	9.02E-08	6.07E-08	-2.94E-08	1.77E-07	1.19E-07	-5.79E-08
244	488099.4	3856689.4	5.05E-07	3.47E-07	-1.58E-07	1.92E-07	1.35E-07	-5.63E-08	9.74E-08	6.88E-08	-2.86E-08	1.92E-07	1.35E-07	-5.63E-08
245	488149.4	3856689.4	4.99E-07	3.40E-07	-1.59E-07	1.89E-07	1.33E-07	-5.67E-08	9.63E-08	6.74E-08	-2.88E-08	1.89E-07	1.33E-07	-5.67E-08
246	488199.4	3856689.4	4.94E-07	3.34E-07	-1.61E-07	1.88E-07	1.30E-07	-5.73E-08	9.54E-08	6.62E-08	-2.92E-08	1.88E-07	1.30E-07	-5.73E-08
247	488249.4	3856689.4	4.89E-07	3.28E-07	-1.61E-07	1.86E-07	1.28E-07	-5.76E-08	9.44E-08	6.50E-08	-2.93E-08	1.86E-07	1.28E-07	-5.76E-08
248	488299.4	3856689.4	4.86E-07	3.23E-07	-1.63E-07	1.84E-07	1.26E-07	-5.84E-08	9.37E-08	6.40E-08	-2.97E-08	1.84E-07	1.26E-07	-5.84E-08
249	488349.4	3856689.4	4.81E-07	3.17E-07	-1.64E-07	1.82E-07	1.24E-07	-5.87E-08	9.28E-08	6.30E-08	-2.98E-08	1.82E-07	1.24E-07	-5.87E-08
250	488399.4	3856689.4	4.75E-07	3.12E-07	-1.63E-07	1.80E-07	1.22E-07	-5.85E-08	9.16E-08	6.18E-08	-2.97E-08	1.80E-07	1.22E-07	-5.85E-08
251	488099.4	3856739.4	5.17E-07	3.55E-07	-1.62E-07	1.96E-07	1.39E-07	-5.75E-08	9.97E-08	7.05E-08	-2.92E-08	1.96E-07	1.39E-07	-5.75E-08
252	488149.4	3856739.4	5.10E-07	3.48E-07	-1.62E-07	1.94E-07	1.36E-07	-5.78E-08	9.84E-08	6.91E-08	-2.94E-08	1.94E-07	1.36E-07	-5.78E-08
253	488199.4	3856739.4	5.06E-07	3.42E-07	-1.64E-07	1.92E-07	1.33E-07	-5.86E-08	9.77E-08	6.78E-08	-2.98E-08	1.92E-07	1.33E-07	-5.86E-08
254	488249.4	3856739.4	5.00E-07	3.36E-07	-1.65E-07	1.90E-07	1.31E-07	-5.89E-08	9.65E-08	6.66E-08	-2.99E-08	1.90E-07	1.31E-07	-5.89E-08
255	488299.4	3856739.4	4.94E-07	3.29E-07	-1.64E-07	1.87E-07	1.28E-07	-5.88E-08	9.52E-08	6.53E-08	-2.99E-08	1.87E-07	1.28E-07	-5.88E-08
256	488349.4	3856739.4	4.91E-07	3.24E-07	-1.67E-07	1.86E-07	1.26E-07	-5.98E-08	9.47E-08	6.43E-08	-3.04E-08	1.86E-07	1.26E-07	-5.98E-08
257	488399.4	3856739.4	4.88E-07	3.19E-07	-1.69E-07	1.85E-07	1.25E-07	-6.06E-08	9.42E-08	6.34E-08	-3.08E-08	1.85E-07	1.25E-07	-6.06E-08
258	487999.4	3856789.4	5.39E-07	3.80E-07	-1.58E-07	2.04E-07	1.48E-07	-5.59E-08	1.04E-07	7.55E-08	-2.84E-08	2.04E-07	1.48E-07	-5.59E-08
259	488049.4	3856789.4	5.33E-07	3.72E-07	-1.61E-07	2.02E-07	1.45E-07	-5.70E-08	1.03E-07	7.38E-08	-2.90E-08	2.02E-07	1.45E-07	-5.70E-08
260	488099.4	3856789.4	5.29E-07	3.65E-07	-1.64E-07	2.01E-07	1.42E-07	-5.83E-08	1.02E-07	7.23E-08	-2.97E-08	2.01E-07	1.42E-07	-5.83E-08
261	488149.4	3856789.4	5.22E-07	3.57E-07	-1.65E-07	1.98E-07	1.39E-07	-5.89E-08	1.01E-07	7.09E-08	-2.99E-08	1.98E-07	1.39E-07	-5.89E-08
262	488199.4	3856789.4	5.17E-07	3.50E-07	-1.67E-07	1.96E-07	1.37E-07	-5.96E-08	9.98E-08	6.95E-08	-3.03E-08	1.96E-07	1.37E-07	-5.96E-08
263	488249.4	3856789.4	5.12E-07	3.44E-07	-1.68E-07	1.94E-07	1.34E-07	-6.00E-08	9.87E-08	6.82E-08	-3.05E-08	1.94E-07	1.34E-07	-6.00E-08
264	488299.4	3856789.4	5.05E-07	3.37E-07	-1.68E-07	1.92E-07	1.31E-07	-6.02E-08	9.75E-08	6.69E-08	-3.06E-08	1.92E-07	1.31E-07	-6.02E-08
265	488349.4	3856789.4	5.03E-07	3.32E-07	-1.71E-07	1.91E-07	1.29E-07	-6.13E-08	9.70E-08	6.58E-08	-3.12E-08	1.91E-07	1.29E-07	-6.13E-08
266	488399.4	3856789.4	4.99E-07	3.26E-07	-1.72E-07	1.89E-07	1.27E-07	-6.19E-08	9.62E-08	6.47E-08	-3.15E-08	1.89E-07	1.27E-07	-6.19E-08
267	487949.4	3856839.4	5.58E-07	4.01E-07	-1.57E-07	2.12E-07	1.56E-07	-5.52E-08	1.08E-07	7.96E-08	-2.81E-08	2.12E-07	1.56E-07	-5.52E-08
268	487999.4	3856839.4	5.52E-07	3.92E-07	-1.60E-07	2.09E-07	1.53E-07	-5.66E-08	1.06E-07	7.77E-08	-2.88E-08	2.09E-07	1.53E-07	-5.66E-08
269	488049.4	3856839.4	5.45E-07	3.83E-07	-1.63E-07	2.07E-07	1.49E-07	-5.77E-08	1.05E-07	7.59E-08	-2.93E-08	2.07E-07	1.49E-07	-5.77E-08
270	488099.4	3856839.4	5.40E-07	3.74E-07	-1.66E-07	2.05E-07	1.46E-07	-5.88E-08	1.04E-07	7.43E-08	-2.99E-08	2.05E-07	1.46E-07	-5.88E-08
271	488149.4	3856839.4	5.35E-07	3.67E-07	-1.68E-07	2.03E-07	1.43E-07	-5.98E-08	1.03E-07	7.27E-08	-3.04E-08	2.03E-07	1.43E-07	-5.98E-08
272	488199.4	3856839.4	5.30E-07	3.59E-07	-1.70E-07	2.01E-07	1.40E-07	-6.07E-08	1.02E-07	7.13E-08	-3.09E-08	2.01E-07	1.40E-07	-6.07E-08
273	487949.4	3856889.4	5.71E-07	4.14E-07	-1.57E-07	2.17E-07	1.61E-07	-5.53E-08	1.10E-07	8.20E-08	-2.81E-08	2.17E-07	1.61E-07	-5.53E-08
274	487999.4	3856889.4	5.66E-07	4.04E-07	-1.62E-07	2.15E-07	1.57E-07	-5.73E-08	1.09E-07	8.01E-08	-2.91E-08	2.15E-07	1.57E-07	-5.73E-08
275	488049.4	3856889.4	5.58E-07	3.94E-07	-1.64E-07	2.12E-07	1.54E-07	-5.81E-08	1.08E-07	7.81E-08	-2.95E-08	2.12E-07	1.54E-07	-5.81E-08
276	488099.4	3856889.4	5.53E-07	3.85E-07	-1.68E-07	2.10E-07	1.50E-07	-5.96E-08	1.07E-07	7.64E-08	-3.03E-08	2.10E-07	1.50E-07	-5.96E-08
277	488635.9	3857895.1	9.57E-07	6.16E-07	-3.41E-07	3.63E-07	2.40E-07	-1.23E-07	1.85E-07	1.22E-07	-6.24E-08	3.63E-07	2.40E-07	-1.23E-07
278	489137.6	3857804.2	7.20E-07	4.23E-07	-2.96E-07	2.73E-07	1.65E-07	-1.08E-07	1.39E-07	8.39E-08	-5.49E-08	2.73E-07	1.65E-07	-1.08E-07
279	488617.3	3857859.4	9.32E-07	6.02E-07	-3.30E-07	3.54E-07	2.35E-07	-1.19E-07	1.80E-07	1.19E-07	-6.04E-08	3.54E-07	2.35E-07	-1.19E-07
280	488667.3	3857859.4	9.10E-07	5.80E-07	-3.30E-07	3.45E-07	2.26E-07	-1.19E-07	1.76E-07	1.15E-07	-6.05E-08	3.45E-07	2.26E-07	-1.19E-07

281	488717.3	3857859.4	8.89E-07	5.59E-07	-3.29E-07	3.37E-07	2.18E-07	-1.19E-07	1.71E-07	1.11E-07	-6.05E-08	3.37E-07	2.18E-07	-1.19E-07
282	488767.3	3857859.4	8.71E-07	5.41E-07	-3.29E-07	3.30E-07	2.11E-07	-1.19E-07	1.68E-07	1.07E-07	-6.06E-08	3.30E-07	2.11E-07	-1.19E-07
283	488617.3	3857909.4	9.79E-07	6.35E-07	-3.45E-07	3.72E-07	2.48E-07	-1.24E-07	1.89E-07	1.26E-07	-6.31E-08	3.72E-07	2.48E-07	-1.24E-07
284	488667.3	3857909.4	9.58E-07	6.12E-07	-3.47E-07	3.64E-07	2.39E-07	-1.25E-07	1.85E-07	1.21E-07	-6.36E-08	3.64E-07	2.39E-07	-1.25E-07
285	488717.3	3857909.4	9.32E-07	5.87E-07	-3.45E-07	3.54E-07	2.29E-07	-1.25E-07	1.80E-07	1.16E-07	-6.34E-08	3.54E-07	2.29E-07	-1.25E-07
286	488767.3	3857909.4	9.12E-07	5.67E-07	-3.45E-07	3.46E-07	2.21E-07	-1.25E-07	1.76E-07	1.13E-07	-6.34E-08	3.46E-07	2.21E-07	-1.25E-07
287	488417.3	3857959.4	1.15E-06	8.22E-07	-3.33E-07	4.38E-07	3.20E-07	-1.18E-07	2.23E-07	1.63E-07	-5.98E-08	4.38E-07	3.20E-07	-1.18E-07
288	488467.3	3857959.4	1.12E-06	7.77E-07	-3.45E-07	4.26E-07	3.03E-07	-1.23E-07	2.16E-07	1.54E-07	-6.23E-08	4.26E-07	3.03E-07	-1.23E-07
289	488517.3	3857959.4	1.09E-06	7.39E-07	-3.53E-07	4.14E-07	2.88E-07	-1.26E-07	2.11E-07	1.47E-07	-6.41E-08	4.14E-07	2.88E-07	-1.26E-07
290	488567.3	3857959.4	1.06E-06	7.04E-07	-3.59E-07	4.03E-07	2.75E-07	-1.29E-07	2.05E-07	1.40E-07	-6.54E-08	4.03E-07	2.75E-07	-1.29E-07
291	488617.3	3857959.4	1.03E-06	6.73E-07	-3.62E-07	3.92E-07	2.62E-07	-1.30E-07	2.00E-07	1.33E-07	-6.61E-08	3.92E-07	2.62E-07	-1.30E-07
292	488667.3	3857959.4	1.01E-06	6.45E-07	-3.63E-07	3.82E-07	2.51E-07	-1.31E-07	1.94E-07	1.28E-07	-6.65E-08	3.82E-07	2.51E-07	-1.31E-07
293	488717.3	3857959.4	9.83E-07	6.20E-07	-3.63E-07	3.73E-07	2.42E-07	-1.31E-07	1.90E-07	1.23E-07	-6.66E-08	3.73E-07	2.42E-07	-1.31E-07
294	488767.3	3857959.4	9.58E-07	5.97E-07	-3.61E-07	3.64E-07	2.33E-07	-1.31E-07	1.85E-07	1.18E-07	-6.65E-08	3.64E-07	2.33E-07	-1.31E-07
295	488417.3	3858009.4	1.23E-06	8.89E-07	-3.43E-07	4.67E-07	3.47E-07	-1.21E-07	2.38E-07	1.76E-07	-6.13E-08	4.67E-07	3.47E-07	-1.21E-07
296	488467.3	3858009.4	1.20E-06	8.37E-07	-3.58E-07	4.54E-07	3.27E-07	-1.27E-07	2.31E-07	1.66E-07	-6.46E-08	4.54E-07	3.27E-07	-1.27E-07
297	488517.3	3858009.4	1.16E-06	7.92E-07	-3.69E-07	4.40E-07	3.09E-07	-1.32E-07	2.24E-07	1.57E-07	-6.69E-08	4.40E-07	3.09E-07	-1.32E-07
298	488567.3	3858009.4	1.13E-06	7.53E-07	-3.76E-07	4.28E-07	2.94E-07	-1.35E-07	2.18E-07	1.49E-07	-6.85E-08	4.28E-07	2.94E-07	-1.35E-07
299	488617.3	3858009.4	1.10E-06	7.16E-07	-3.80E-07	4.16E-07	2.79E-07	-1.36E-07	2.11E-07	1.42E-07	-6.94E-08	4.16E-07	2.79E-07	-1.36E-07
300	488667.3	3858009.4	1.06E-06	6.83E-07	-3.81E-07	4.04E-07	2.67E-07	-1.37E-07	2.05E-07	1.36E-07	-6.98E-08	4.04E-07	2.67E-07	-1.37E-07
301	488717.3	3858009.4	1.04E-06	6.55E-07	-3.81E-07	3.93E-07	2.56E-07	-1.38E-07	2.00E-07	1.30E-07	-7.00E-08	3.93E-07	2.56E-07	-1.38E-07
302	488767.3	3858009.4	1.01E-06	6.30E-07	-3.80E-07	3.83E-07	2.46E-07	-1.37E-07	1.95E-07	1.25E-07	-6.99E-08	3.83E-07	2.46E-07	-1.37E-07
303	488417.3	3858059.4	1.32E-06	9.72E-07	-3.52E-07	5.02E-07	3.79E-07	-1.23E-07	2.55E-07	1.93E-07	-6.27E-08	5.02E-07	3.79E-07	-1.23E-07
304	488467.3	3858059.4	1.28E-06	9.09E-07	-3.72E-07	4.86E-07	3.55E-07	-1.32E-07	2.47E-07	1.80E-07	-6.69E-08	4.86E-07	3.55E-07	-1.32E-07
305	488517.3	3858059.4	1.24E-06	8.55E-07	-3.86E-07	4.71E-07	3.33E-07	-1.37E-07	2.39E-07	1.70E-07	-6.98E-08	4.71E-07	3.33E-07	-1.37E-07
306	488567.3	3858059.4	1.20E-06	8.09E-07	-3.95E-07	4.57E-07	3.15E-07	-1.41E-07	2.32E-07	1.60E-07	-7.18E-08	4.57E-07	3.15E-07	-1.41E-07
307	488617.3	3858059.4	1.17E-06	7.67E-07	-4.00E-07	4.43E-07	2.99E-07	-1.44E-07	2.25E-07	1.52E-07	-7.31E-08	4.43E-07	2.99E-07	-1.44E-07
308	488667.3	3858059.4	1.13E-06	7.30E-07	-4.02E-07	4.29E-07	2.85E-07	-1.45E-07	2.18E-07	1.45E-07	-7.36E-08	4.29E-07	2.85E-07	-1.45E-07
309	488417.3	3858109.4	1.42E-06	1.06E-06	-3.59E-07	5.40E-07	4.15E-07	-1.25E-07	2.75E-07	2.11E-07	-6.35E-08	5.40E-07	4.15E-07	-1.25E-07
310	488467.3	3858109.4	1.38E-06	9.91E-07	-3.85E-07	5.22E-07	3.86E-07	-1.36E-07	2.65E-07	1.96E-07	-6.89E-08	5.22E-07	3.86E-07	-1.36E-07
311	488517.3	3858109.4	1.33E-06	9.29E-07	-4.03E-07	5.05E-07	3.62E-07	-1.43E-07	2.57E-07	1.84E-07	-7.27E-08	5.05E-07	3.62E-07	-1.43E-07
312	488567.3	3858109.4	1.29E-06	8.73E-07	-4.15E-07	4.89E-07	3.41E-07	-1.48E-07	2.48E-07	1.73E-07	-7.53E-08	4.89E-07	3.41E-07	-1.48E-07
313	488617.3	3858109.4	1.25E-06	8.25E-07	-4.23E-07	4.73E-07	3.22E-07	-1.52E-07	2.41E-07	1.64E-07	-7.71E-08	4.73E-07	3.22E-07	-1.52E-07
314	488667.3	3858109.4	1.21E-06	7.81E-07	-4.25E-07	4.57E-07	3.04E-07	-1.53E-07	2.33E-07	1.55E-07	-7.77E-08	4.57E-07	3.04E-07	-1.53E-07
315	488769.9	3858449.3	1.92E-06	1.24E-06	-6.79E-07	7.27E-07	4.83E-07	-2.45E-07	3.70E-07	2.46E-07	-1.24E-07	7.27E-07	4.83E-07	-2.45E-07
316	488819.9	3858449.3	1.81E-06	1.14E-06	-6.75E-07	6.88E-07	4.44E-07	-2.44E-07	3.50E-07	2.26E-07	-1.24E-07	6.88E-07	4.44E-07	-2.44E-07
317	488819.9	3858499.3	2.02E-06	1.27E-06	-7.43E-07	7.65E-07	4.97E-07	-2.68E-07	3.89E-07	2.53E-07	-1.36E-07	7.65E-07	4.97E-07	-2.68E-07
318	488869.9	3858499.3	1.90E-06	1.17E-06	-7.31E-07	7.21E-07	4.56E-07	-2.65E-07	3.67E-07	2.32E-07	-1.35E-07	7.21E-07	4.56E-07	-2.65E-07
319	488869.9	3858549.3	2.12E-06	1.31E-06	-8.12E-07	8.06E-07	5.12E-07	-2.94E-07	4.10E-07	2.60E-07	-1.49E-07	8.06E-07	5.12E-07	-2.94E-07
320	489438.2	3859571.5	1.05E-06	5.62E-07	-4.87E-07	3.98E-07	2.19E-07	-1.79E-07	2.02E-07	1.12E-07	-9.09E-08	3.98E-07	2.19E-07	-1.79E-07
321	489488.2	3859571.5	1.15E-06	6.16E-07	-5.32E-07	4.35E-07	2.40E-07	-1.95E-07	2.21E-07	1.22E-07	-9.92E-08	4.35E-07	2.40E-07	-1.95E-07
322	489538.2	3859571.5	1.27E-06	6.82E-07	-5.87E-07	4.81E-07	2.66E-07	-2.15E-07	2.45E-07	1.35E-07	-1.10E-07	4.81E-07	2.66E-07	-2.15E-07
323	489588.2	3859571.5	1.42E-06	7.62E-07	-6.55E-07	5.37E-07	2.97E-07	-2.40E-07	2.73E-07	1.51E-07	-1.22E-07	5.37E-07	2.97E-07	-2.40E-07
324	489438.2	3859621.5	9.06E-07	4.86E-07	-4.20E-07	3.44E-07	1.90E-07	-1.54E-07	1.75E-07	9.64E-08	-7.84E-08	3.44E-07	1.90E-07	-1.54E-07
325	489488.2	3859621.5	9.77E-07	5.24E-07	-4.52E-07	3.71E-07	2.05E-07	-1.66E-07	1.88E-07	1.04E-07	-8.44E-08	3.71E-07	2.05E-07	-1.66E-07
326	489538.2	3859621.5	1.06E-06	5.70E-07	-4.91E-07	4.03E-07	2.22E-07	-1.80E-07	2.05E-07	1.13E-07	-9.16E-08	4.03E-07	2.22E-07	-1.80E-07
327	489588.2	3859621.5	1.16E-06	6.27E-07	-5.38E-07	4.42E-07	2.44E-07	-1.97E-07	2.25E-07	1.24E-07	-1.00E-07	4.42E-07	2.44E-07	-1.97E-07
328	489238.2	3859671.5	6.42E-07	3.44E-07	-2.99E-07	2.44E-07	1.34E-07	-1.10E-07	1.24E-07	6.81E-08	-5.58E-08	2.44E-07	1.34E-07	-1.10E-07
329	489288.2	3859671.5	6.74E-07	3.61E-07	-3.13E-07	2.56E-07	1.41E-07	-1.15E-07	1.30E-07	7.16E-08	-5.85E-08	2.56E-07	1.41E-07	-1.15E-07
330	489338.2	3859671.5	7.11E-07	3.81E-07	-3.30E-07	2.70E-07	1.49E-07	-1.21E-07	1.37E-07	7.56E-08	-6.16E-08	2.70E-07	1.49E-07	-1.21E-07
331	489388.2	3859671.5	7.54E-07	4.04E-07	-3.50E-07	2.86E-07	1.58E-07	-1.28E-07	1.45E-07	8.02E-08	-6.53E-08	2.86E-07	1.58E-07	-1.28E-07
332	489438.2	3859671.5	8.00E-07	4.29E-07	-3.71E-07	3.03E-07	1.67E-07	-1.36E-07	1.54E-07	8.51E-08	-6.92E-08	3.03E-07	1.67E-07	-1.36E-07
333	489488.2	3859671.5	8.55E-07	4.59E-07	-3.96E-07	3.24E-07	1.79E-07	-1.45E-07	1.65E-07	9.11E-08	-7.39E-08	3.24E-07	1.79E-07	-1.45E-07
334	489538.2	3859671.5	9.18E-07	4.93E-07	-4.24E-07	3.48E-07	1.92E-07	-1.56E-07	1.77E-07	9.79E-08	-7.92E-08	3.48E-07	1.92E-07	-1.56E-07
335	489588.2	3859671.5	9.91E-07	5.33E-07	-4.58E-07	3.76E-07	2.08E-07	-1.68E-07	1.91E-07	1.06E-07	-8.54E-08	3.76E-07	2.08E-07	-1.68E-07
336	489238.2	3859721.5	5.91E-07	3.16E-07	-2.75E-07	2.24E-07	1.23E-07	-1.01E-07	1.14E-07	6.27E-08	-5.12E-08	2.24E-07	1.23E-07	-1.01E-07
337	489288.2	3859721.5	6.19E-07	3.32E-07	-2.87E-07	2.35E-07	1.29E-07	-1.05E-07	1.19E-07	6.58E-08	-5.36E-08	2.35E-07	1.29E-07	-1.05E-07
338	489338.2	3859721.5	6.48E-07	3.48E-07	-3.01E-07	2.46E-07	1.36E-07	-1.10E-07	1.25E-07	6.90E-08	-5.61E-08	2.46E-07	1.36E-07	-1.10E-07
339	489388.2	3859721.5	6.82E-07	3.66E-07	-3.16E-07	2.59E-07	1.43E-07	-1.16E-07	1.32E-07	7.26E-08	-5.90E-08	2.59E-07	1.43E-07	-1.16E-07
340	489438.2	3859721.5	7.18E-07	3.86E-07	-3.32E-07	2.72E-07	1.51E-07	-1.22E-07	1.39E-07	7.65E-08	-6.20E-08	2.72E-07	1.51E-07	-1.22E-07
341	489488.2	3859721.5	7.62E-07	4.09E-07	-3.52E-07	2.89E-07	1.60E-07	-1.29E-07	1.47E-07	8.12E-08	-6.57E-08	2.89E-07	1.60E-07	-1.29E-07
342	489538.2	3859721.5	8.10E-07	4.36E-07	-3.74E-07	3.07E-07	1.70E-07	-1.37E-07	1.56E-07	8.64E-08	-6.98E-08	3.07E-07	1.70E-07	-1.37E-07
343	489588.2	3859721.5	8.64E-07	4.65E-07	-3.99E-07	3.28E-07	1.81E-07	-1.46E-07	1.67E-07	9.23E-08	-7.44E-08	3.28E-07	1.81E-07	-1.46E-07
344	489238.2	3859771.5	5.48E-07	2.94E-07	-2.54E-07	2.08E-07	1.15E-07	-9.34E-08	1.06E-07	5.82E-08	-4.75E-08	2.08E-07	1.15E-07	-9.34E-08
345	489288.2	3859771.5	5.71E-07	3.07E-07	-2.65E-07	2.17E-07	1.20E-07	-9.72E-08	1.10E-07	6.08E-08	-4.94E-08	2.17E-07	1.20E-07	-9.72E-08
346	489338.2	3859771.5	5.96E-07	3.20E-07	-2.76E-07	2.26E-07	1.25E-07	-1.01E-07	1.15E-07	6.35E-08	-5.15E-08	2.26E-07	1.25E-07	-1.01E-07
347	489388.2	3859771.5	6.23E-07	3.35E-07	-2.88E-07	2.36E-07	1.31E-07	-1.06E-07	1.20E-07	6.64E-08	-5.38E-08	2.36E-07	1.31E-07	-1.06E-07
348	489438.2	3859771.5	6.53E-07	3.51E-07	-3.02E-07	2.48E-07	1.37E-07	-1.11E-07	1.26E-07	6.96E-08	-5.63E-08	2.48E-07	1.37E-07	-1.11E-07
349	489488.2	3859771.5	6.88E-07	3.70E-07	-3.18E-07	2.61E-07	1.44E-07	-1.17E-07	1.33E-07	7.34E-08	-5.93E-08	2.61E-07	1.44E-07	-1.17E-07
350	489538.2	3859771.5	7.25E-07	3.90E-07	-3.35E-07	2.75E-07	1.52E-07	-1.23E-07	1.40E-07	7.74E-08	-6.24E-08	2.75E-07	1.52E-07	-1.23E-07
351	489588.2	3859771.5	7.67E-07	4.13E-07	-3.54E-07	2.91E-07	1.61E-07	-1.30E-07	1.48E-07	8.19E-08	-6.60E-08	2.91E-07	1.61E-07	-1.30E-07
352	489238.2	3859821.5	5.12E-07	2.74E-07	-2.37E-07	1.94E-07	1.07E-07	-8.71E-08	9.87E-08	5.44E-08	-4.43E-08	1.94E-07	1.07E-07	-8.71E-08
353	489288.2	3859821.5	5.31E-07	2.85E-07	-2.46E-07	2.02E-07	1.11E-07	-9.04E-08	1.03E-07	5.66E-08	-4.60E-08	2.02E-07	1.11E-07	-9.04E-08
354	489338.2	3859821.5	5.52E-07	2.96E-07	-2.55E-07	2.09E-07	1.16E-07	-9.37E-08	1.06E-07	5.88E-08	-4.76E-08	2.09E-07	1.16E-07	-9.37E-08
355	489388.2	3859821.5	5.75E-07	3.09E-07	-2.66E-07	2.18E-07	1.20E-07	-9.75E-08	1.11E-07	6.13E-08	-4.96E-08	2.18E-07	1.20E-07	-9.75E-08
356	489438.2	3859821.5	6.00E-07	3.23E-07	-2.77E-07	2.28E-07	1.26E-07	-1.02E-07	1.16E-07	6.40E-08	-5.17E-08	2.28E-07	1.26E-07	-1.02E-07
357	489488.2	3859821.5	6.28E-07	3.38E-07	-2.90E-07	2.38E-07	1.32E-07	-1.06E-07	1.21E-07	6.70E-08	-5.41E-08	2.38E-07	1.32E-07	-1.06E-07
358	489538.2	3859821.5	6.57E-07	3.54E-07	-3.03E-07	2.49E-07	1.38E-07	-1.11E-07	1.27E-07	7.02E-08	-5.66E-08	2.49E-07	1.38E-07	-1.11E-07
359	489588.2	3859821.5	6.90E-07	3.72E-07	-3.18E-07	2.62E-07	1.45E-07	-1.17E-07	1.33E-07	7.38E-08	-5.93E-08	2.62E-07	1.45E-07	-1.17E-07
360	489238.2	3859871.5	4.80E-07	2.57E-07	-2.23E-07	1.82E-07	1.00E-07	-8.17E-08	9.26E-08	5.11E-08	-4.15E-08	1.82E-07	1.00E-07	-8.17E-08
361	489288.2	3859871.5	4.97E-07	2.67E-07	-2.30E-07	1.88E-07	1.04E-07	-8.44E-08	9.58E-08	5.29E-08	-4.29E-08	1.88E-07	1.04E-07	-8.44E-08
362	489338.2	3859871.5	5.14E-07	2.76E-07	-2.38E-07	1.95E-07	1.08E-07	-8.73E-08	9.92E-08	5.48E-08	-4.44E-08	1.95E-07	1.08E-07	-8.73E-08
363	489388.2	3859871.5	5.34E-07	2.87E-07	-2.47E-07	2.03E-07	1.12E-07	-9.05E-08	1.03E-07	5.70E-08	-4.60E-08	2.03E-07	1.12E-07	-9.05E-08
364	489438.2	3859871.5	5.56E-07	2.99E-07	-2.57E-07	2.11E-07	1.17E-07	-9.41E-08	1.07E-07	5.93E-08	-4.79E-08	2.11E-07	1.17E-07	-9.41E-08
365	489488.2	3859871.5	5.77E-07	3.11E-07	-2.66E-07	2.19E-07	1.21E-07	-9.77E-08	1.11E-07	6.17E-08	-4.97E-08	2.19E-07	1.21E-07	-9.77E-08
366	489538.2	3859871.5	6.01E-07	3.24E-07	-2.77E-07	2.28E-07	1.26E-07	-1.02E-07	1.16E-07	6.43E-08	-5.17E-08	2.28E-07	1.26E-07	-1.02E-07
367	489588.2	3859871.5	6.27E-07	3.38E-07	-2.89E-07	2.38E-07	1.32E-07	-1.06E-07	1.21E-07	6.71E-08	-5.39E-08	2.38E-07	1.32E-07	-1.06E-07
368	489238.2	3859921.5	4.53E-07	2.43E-07	-2.10E-07	1.72E-07	9.49E-08	-7.72E-08	8.75E-08	4.82E-08	-3.93E-08	1.72E-07	9.49E-08	-7.72E-08
369	489288.2	3859921.5	4.68E-07	2.51E-07	-2.17E-07	1.78E-07	9.80E-08	-7.95E-08	9.03E-08	4.98E-08	-4.04E-08	1.78E-07	9.80E-08	-7.95E-08
370	489338.2	3859921.5	4.83E-07	2.60E-07	-2.23E-07	1.83E-07	1.01E-07	-8.20E-08	9.32E-08	5.15E-08	-4.17E-08	1.83E-07	1.01E-07	-8.20E-08
371	489388.2	3859921.5	5.00E-07	2.69E-07	-2.31E-07	1.90E-07	1.05E-07	-8.47E-08	9.64E-08	5.34E-08	-4.31E-08	1.90E-07	1.05E-07	-8.47E-08
372	489438.2	3859921.5	5.17E-07	2.78E-07	-2.38E-07	1.96E-07	1.09E-07	-8.74E-08	9.97E-08	5.52E-08	-4.45E-08	1.96E-07	1.09E-07	-8.74E-08
373	489488.2	3859921.5	5.34E-07	2.88E-07	-2.46E-07	2.03E-07	1.12E-07	-9.03E-08	1.03E-07	5.71E-08	-4.59E-08	2.03E-07	1.12E-07	-9.03E-08
374	489538.2	3859921.5	5.53E-07	2.99E-07	-2.55E-07	2.10E-07	1.16E-07	-9.35E-08	1.07E-07	5.92E-08	-4.76E-08	2.10E-07	1.16E-07	-9.35E-08

375	489588.2	3859921.5	5.72E-07	3.09E-07	-2.63E-07	2.17E-07	1.20E-07	-9.66E-08	1.10E-07	6.12E-08	-4.91E-08	2.17E-07	1.20E-07	-9.66E-08
376	489238.2	3859971.5	4.30E-07	2.31E-07	-1.99E-07	1.63E-07	9.00E-08	-7.32E-08	8.30E-08	4.58E-08	-3.72E-08	1.63E-07	9.00E-08	-7.32E-08
377	489288.2	3859971.5	4.42E-07	2.38E-07	-2.05E-07	1.68E-07	9.27E-08	-7.51E-08	8.53E-08	4.71E-08	-3.82E-08	1.68E-07	9.27E-08	-7.51E-08
378	489338.2	3859971.5	4.56E-07	2.45E-07	-2.11E-07	1.73E-07	9.56E-08	-7.73E-08	8.79E-08	4.86E-08	-3.93E-08	1.73E-07	9.56E-08	-7.73E-08
379	489388.2	3859971.5	4.69E-07	2.53E-07	-2.17E-07	1.78E-07	9.85E-08	-7.95E-08	9.05E-08	5.01E-08	-4.04E-08	1.78E-07	9.85E-08	-7.95E-08
380	489438.2	3859971.5	4.80E-07	2.59E-07	-2.21E-07	1.82E-07	1.01E-07	-8.11E-08	9.26E-08	5.14E-08	-4.13E-08	1.82E-07	1.01E-07	-8.11E-08
381	489488.2	3859971.5	4.87E-07	2.63E-07	-2.24E-07	1.85E-07	1.03E-07	-8.20E-08	9.39E-08	5.22E-08	-4.17E-08	1.85E-07	1.03E-07	-8.20E-08
382	489538.2	3859971.5	4.94E-07	2.67E-07	-2.26E-07	1.87E-07	1.04E-07	-8.30E-08	9.52E-08	5.30E-08	-4.22E-08	1.87E-07	1.04E-07	-8.30E-08
383	489588.2	3859971.5	5.02E-07	2.72E-07	-2.30E-07	1.90E-07	1.06E-07	-8.44E-08	9.69E-08	5.40E-08	-4.29E-08	1.90E-07	1.06E-07	-8.44E-08
384	483577.7	3854071	1.04E-06	9.57E-07	-8.68E-08	3.96E-07	3.73E-07	-2.27E-08	2.01E-07	1.90E-07	-1.16E-08	3.96E-07	3.73E-07	-2.27E-08
385	483627.7	3854071	9.83E-07	8.81E-07	-1.02E-07	3.73E-07	3.43E-07	-2.93E-08	1.90E-07	1.75E-07	-1.49E-08	3.73E-07	3.43E-07	-2.93E-08
386	483677.7	3854071	9.27E-07	8.15E-07	-1.12E-07	3.52E-07	3.18E-07	-3.39E-08	1.79E-07	1.62E-07	-1.72E-08	3.52E-07	3.18E-07	-3.39E-08
387	483727.7	3854071	8.77E-07	7.59E-07	-1.18E-07	3.33E-07	2.96E-07	-3.68E-08	1.69E-07	1.51E-07	-1.87E-08	3.33E-07	2.96E-07	-3.68E-08
388	483777.7	3854071	8.25E-07	7.04E-07	-1.21E-07	3.13E-07	2.75E-07	-3.83E-08	1.59E-07	1.40E-07	-1.95E-08	3.13E-07	2.75E-07	-3.83E-08
389	483577.7	3854121	1.05E-06	1.10E-06	4.56E-08	3.99E-07	4.28E-07	2.90E-08	2.03E-07	2.18E-07	1.47E-08	3.99E-07	4.28E-07	2.90E-08
390	483627.7	3854121	9.84E-07	9.91E-07	6.62E-09	3.73E-07	3.86E-07	1.31E-08	1.90E-07	1.96E-07	6.65E-09	3.73E-07	3.86E-07	1.31E-08
391	483677.7	3854121	9.18E-07	8.99E-07	-1.96E-08	3.48E-07	3.50E-07	2.14E-09	1.77E-07	1.78E-07	1.09E-09	3.48E-07	3.50E-07	2.14E-09
392	483727.7	3854121	8.59E-07	8.21E-07	-3.86E-08	3.26E-07	3.20E-07	-5.88E-09	1.66E-07	1.63E-07	-2.99E-09	3.26E-07	3.20E-07	-5.88E-09
393	483777.7	3854121	8.14E-07	7.60E-07	-5.39E-08	3.09E-07	2.96E-07	-1.24E-08	1.57E-07	1.51E-07	-6.28E-09	3.09E-07	2.96E-07	-1.24E-08
394	483577.7	3854171	1.05E-06	1.29E-06	2.38E-07	3.97E-07	5.01E-07	1.04E-07	2.02E-07	2.55E-07	5.28E-08	3.97E-07	5.01E-07	1.04E-07
395	483627.7	3854171	9.68E-07	1.13E-06	1.59E-07	3.67E-07	4.40E-07	7.24E-08	1.87E-07	2.24E-07	3.68E-08	3.67E-07	4.40E-07	7.24E-08
396	483677.7	3854171	9.04E-07	1.01E-06	1.04E-07	3.43E-07	3.93E-07	5.01E-08	1.74E-07	2.00E-07	2.55E-08	3.43E-07	3.93E-07	5.01E-08
397	483727.7	3854171	8.52E-07	9.14E-07	6.22E-08	3.23E-07	3.57E-07	3.34E-08	1.64E-07	1.81E-07	1.70E-08	3.23E-07	3.57E-07	3.34E-08
398	483777.7	3854171	8.04E-07	8.34E-07	3.06E-08	3.05E-07	3.25E-07	2.05E-08	1.55E-07	1.66E-07	1.04E-08	3.05E-07	3.25E-07	2.05E-08
399	483827.7	3854171	7.53E-07	7.59E-07	6.73E-09	2.85E-07	2.96E-07	1.06E-08	1.45E-07	1.51E-07	5.41E-09	2.85E-07	2.96E-07	1.06E-08
400	483877.7	3854171	7.17E-07	7.06E-07	-1.13E-08	2.72E-07	2.75E-07	3.25E-09	1.38E-07	1.40E-07	1.65E-09	2.72E-07	2.75E-07	3.25E-09
401	483727.7	3854221	8.49E-07	1.05E-06	2.00E-07	3.22E-07	4.09E-07	8.71E-08	1.64E-07	2.08E-07	4.43E-08	3.22E-07	4.09E-07	8.71E-08
402	483777.7	3854221	7.99E-07	9.41E-07	1.42E-07	3.03E-07	3.67E-07	6.40E-08	1.54E-07	1.87E-07	3.25E-08	3.03E-07	3.67E-07	6.40E-08
403	483827.7	3854221	7.66E-07	8.67E-07	1.01E-07	2.91E-07	3.38E-07	4.75E-08	1.48E-07	1.72E-07	2.42E-08	2.91E-07	3.38E-07	4.75E-08
404	483877.7	3854221	7.23E-07	7.90E-07	6.67E-08	2.74E-07	3.08E-07	3.37E-08	1.39E-07	1.57E-07	1.72E-08	2.74E-07	3.08E-07	3.37E-08
405	489150.2	3858726.5	2.24E-06	1.27E-06	-9.68E-07	8.50E-07	4.96E-07	-3.54E-07	4.32E-07	2.52E-07	-1.80E-07	8.50E-07	4.96E-07	-3.54E-07
406	489200.2	3858726.5	2.10E-06	1.18E-06	-9.18E-07	7.95E-07	4.60E-07	-3.36E-07	4.05E-07	2.34E-07	-1.71E-07	7.95E-07	4.60E-07	-3.36E-07
407	489150.2	3858776.5	2.57E-06	1.47E-06	-1.10E-06	9.74E-07	5.72E-07	-4.01E-07	4.95E-07	2.91E-07	-2.04E-07	9.74E-07	5.72E-07	-4.01E-07
408	489200.2	3858776.5	2.37E-06	1.34E-06	-1.03E-06	9.01E-07	5.23E-07	-3.78E-07	4.58E-07	2.66E-07	-1.92E-07	9.01E-07	5.23E-07	-3.78E-07
409	488919.6	3856400.8	3.90E-07	2.45E-07	-1.44E-07	1.48E-07	9.57E-08	-5.21E-08	7.52E-08	4.87E-08	-2.65E-08	1.48E-07	9.57E-08	-5.21E-08
410	488919.6	3856450.8	3.96E-07	2.49E-07	-1.47E-07	1.50E-07	9.72E-08	-5.31E-08	7.65E-08	4.94E-08	-2.70E-08	1.50E-07	9.72E-08	-5.31E-08
411	488969.6	3856450.8	3.93E-07	2.46E-07	-1.47E-07	1.49E-07	9.61E-08	-5.30E-08	7.58E-08	4.89E-08	-2.70E-08	1.49E-07	9.61E-08	-5.30E-08
412	488919.6	3856500.8	4.04E-07	2.53E-07	-1.50E-07	1.53E-07	9.88E-08	-5.43E-08	7.78E-08	5.02E-08	-2.76E-08	1.53E-07	9.88E-08	-5.43E-08
413	488969.6	3856500.8	4.00E-07	2.50E-07	-1.50E-07	1.52E-07	9.76E-08	-5.42E-08	7.72E-08	4.97E-08	-2.76E-08	1.52E-07	9.76E-08	-5.42E-08
414	488919.6	3856550.8	4.11E-07	2.57E-07	-1.54E-07	1.56E-07	1.00E-07	-5.56E-08	7.93E-08	5.11E-08	-2.83E-08	1.56E-07	1.00E-07	-5.56E-08
415	488969.6	3856550.8	4.08E-07	2.54E-07	-1.53E-07	1.55E-07	9.92E-08	-5.54E-08	7.86E-08	5.05E-08	-2.82E-08	1.55E-07	9.92E-08	-5.54E-08
416	488819.6	3856600.8	4.26E-07	2.68E-07	-1.58E-07	1.62E-07	1.05E-07	-5.70E-08	8.22E-08	5.32E-08	-2.90E-08	1.62E-07	1.05E-07	-5.70E-08
417	488869.6	3856600.8	4.22E-07	2.65E-07	-1.57E-07	1.60E-07	1.03E-07	-5.68E-08	8.14E-08	5.25E-08	-2.89E-08	1.60E-07	1.03E-07	-5.68E-08
418	488919.6	3856600.8	4.19E-07	2.62E-07	-1.57E-07	1.59E-07	1.02E-07	-5.68E-08	8.08E-08	5.19E-08	-2.89E-08	1.59E-07	1.02E-07	-5.68E-08
419	488819.6	3856650.8	4.34E-07	2.73E-07	-1.61E-07	1.65E-07	1.06E-07	-5.83E-08	8.38E-08	5.41E-08	-2.96E-08	1.65E-07	1.06E-07	-5.83E-08
420	488869.6	3856650.8	4.30E-07	2.69E-07	-1.61E-07	1.63E-07	1.05E-07	-5.81E-08	8.30E-08	5.34E-08	-2.96E-08	1.63E-07	1.05E-07	-5.81E-08
421	488819.6	3856700.8	4.43E-07	2.78E-07	-1.65E-07	1.68E-07	1.08E-07	-5.96E-08	8.54E-08	5.51E-08	-3.03E-08	1.68E-07	1.08E-07	-5.96E-08
422	488869.6	3856700.8	4.38E-07	2.74E-07	-1.64E-07	1.66E-07	1.07E-07	-5.94E-08	8.45E-08	5.43E-08	-3.02E-08	1.66E-07	1.07E-07	-5.94E-08
423	488819.6	3856750.8	4.51E-07	2.83E-07	-1.69E-07	1.71E-07	1.10E-07	-6.09E-08	8.71E-08	5.61E-08	-3.10E-08	1.71E-07	1.10E-07	-6.09E-08
424	488869.6	3856750.8	4.47E-07	2.79E-07	-1.68E-07	1.70E-07	1.09E-07	-6.08E-08	8.63E-08	5.53E-08	-3.09E-08	1.70E-07	1.09E-07	-6.08E-08
425	488819.6	3857050.8	5.12E-07	3.18E-07	-1.94E-07	1.94E-07	1.24E-07	-7.01E-08	9.88E-08	6.31E-08	-3.57E-08	1.94E-07	1.24E-07	-7.01E-08
426	488869.6	3857050.8	5.07E-07	3.13E-07	-1.94E-07	1.92E-07	1.22E-07	-7.01E-08	9.78E-08	6.22E-08	-3.56E-08	1.92E-07	1.22E-07	-7.01E-08
427	488919.6	3857050.8	5.02E-07	3.09E-07	-1.93E-07	1.90E-07	1.20E-07	-7.00E-08	9.69E-08	6.13E-08	-3.56E-08	1.90E-07	1.20E-07	-7.00E-08
428	488819.6	3857100.8	5.24E-07	3.26E-07	-1.99E-07	1.99E-07	1.27E-07	-7.19E-08	1.01E-07	6.46E-08	-3.66E-08	1.99E-07	1.27E-07	-7.19E-08
429	488869.6	3857100.8	5.19E-07	3.20E-07	-1.98E-07	1.97E-07	1.25E-07	-7.19E-08	1.00E-07	6.35E-08	-3.65E-08	1.97E-07	1.25E-07	-7.19E-08
430	488919.6	3857100.8	5.14E-07	3.15E-07	-1.98E-07	1.95E-07	1.23E-07	-7.19E-08	9.91E-08	6.26E-08	-3.66E-08	1.95E-07	1.23E-07	-7.19E-08
431	488819.6	3857150.8	5.37E-07	3.33E-07	-2.04E-07	2.04E-07	1.30E-07	-7.38E-08	1.04E-07	6.61E-08	-3.75E-08	2.04E-07	1.30E-07	-7.38E-08
432	488869.6	3857150.8	5.31E-07	3.28E-07	-2.04E-07	2.02E-07	1.28E-07	-7.38E-08	1.03E-07	6.50E-08	-3.75E-08	2.02E-07	1.28E-07	-7.38E-08
433	488919.6	3857150.8	5.26E-07	3.23E-07	-2.03E-07	2.00E-07	1.26E-07	-7.37E-08	1.01E-07	6.40E-08	-3.75E-08	2.00E-07	1.26E-07	-7.37E-08
434	488969.6	3857150.8	5.21E-07	3.18E-07	-2.03E-07	1.97E-07	1.24E-07	-7.36E-08	1.00E-07	6.30E-08	-3.74E-08	1.97E-07	1.24E-07	-7.36E-08
435	488819.6	3857200.8	5.51E-07	3.41E-07	-2.09E-07	2.09E-07	1.33E-07	-7.58E-08	1.06E-07	6.77E-08	-3.85E-08	2.09E-07	1.33E-07	-7.58E-08
436	488869.6	3857200.8	5.45E-07	3.36E-07	-2.09E-07	2.07E-07	1.31E-07	-7.58E-08	1.05E-07	6.66E-08	-3.85E-08	2.07E-07	1.31E-07	-7.58E-08
437	488919.6	3857200.8	5.39E-07	3.30E-07	-2.09E-07	2.05E-07	1.29E-07	-7.57E-08	1.04E-07	6.55E-08	-3.85E-08	2.05E-07	1.29E-07	-7.57E-08
438	488969.6	3857200.8	5.33E-07	3.25E-07	-2.08E-07	2.02E-07	1.27E-07	-7.56E-08	1.03E-07	6.44E-08	-3.84E-08	2.02E-07	1.27E-07	-7.56E-08
439	488819.6	3857250.8	5.65E-07	3.50E-07	-2.15E-07	2.14E-07	1.37E-07	-7.79E-08	1.09E-07	6.94E-08	-3.96E-08	2.14E-07	1.37E-07	-7.79E-08
440	488869.6	3857250.8	5.59E-07	3.44E-07	-2.15E-07	2.12E-07	1.34E-07	-7.79E-08	1.08E-07	6.82E-08	-3.96E-08	2.12E-07	1.34E-07	-7.79E-08
441	488919.6	3857250.8	5.53E-07	3.38E-07	-2.14E-07	2.10E-07	1.32E-07	-7.77E-08	1.07E-07	6.71E-08	-3.95E-08	2.10E-07	1.32E-07	-7.77E-08
442	488969.6	3857250.8	5.47E-07	3.33E-07	-2.14E-07	2.07E-07	1.30E-07	-7.77E-08	1.05E-07	6.60E-08	-3.95E-08	2.07E-07	1.30E-07	-7.77E-08
443	488819.6	3857300.8	5.80E-07	3.59E-07	-2.21E-07	2.20E-07	1.40E-07	-8.01E-08	1.12E-07	7.12E-08	-4.07E-08	2.20E-07	1.40E-07	-8.01E-08
444	488869.6	3857300.8	5.74E-07	3.53E-07	-2.21E-07	2.18E-07	1.38E-07	-8.01E-08	1.11E-07	7.00E-08	-4.07E-08	2.18E-07	1.38E-07	-8.01E-08
445	488919.6	3857300.8	5.67E-07	3.47E-07	-2.21E-07	2.15E-07	1.35E-07	-8.01E-08	1.09E-07	6.88E-08	-4.07E-08	2.15E-07	1.35E-07	-8.01E-08
446	488819.6	3857450.8	6.32E-07	3.90E-07	-2.42E-07	2.40E-07	1.52E-07	-8.76E-08	1.22E-07	7.74E-08	-4.45E-08	2.40E-07	1.52E-07	-8.76E-08
447	488869.6	3857450.8	6.24E-07	3.82E-07	-2.41E-07	2.37E-07	1.49E-07	-8.75E-08	1.20E-07	7.59E-08	-4.45E-08	2.37E-07	1.49E-07	-8.75E-08
448	488919.6	3857450.8	6.17E-07	3.75E-07	-2.41E-07	2.34E-07	1.46E-07	-8.75E-08	1.19E-07	7.44E-08	-4.45E-08	2.34E-07	1.46E-07	-8.75E-08
449	488819.6	3857500.8	6.51E-07	4.02E-07	-2.49E-07	2.47E-07	1.57E-07	-9.02E-08	1.26E-07	7.98E-08	-4.59E-08	2.47E-07	1.57E-07	-9.02E-08
450	488869.6	3857500.8	6.43E-07	3.94E-07	-2.49E-07	2.44E-07	1.54E-07	-9.03E-08	1.24E-07	7.81E-08	-4.59E-08	2.44E-07	1.54E-07	-9.03E-08
451	488919.6	3857500.8	6.35E-07	3.86E-07	-2.49E-07	2.41E-07	1.51E-07	-9.03E-08	1.23E-07	7.66E-08	-4.59E-08	2.41E-07	1.51E-07	-9.03E-08
452	488819.6	3857550.8	6.72E-07	4.15E-07	-2.57E-07	2.55E-07	1.62E-07	-9.32E-08	1.30E-07	8.23E-08	-4.74E-08	2.55E-07	1.62E-07	-9.32E-08
453	488869.6	3857550.8	6.63E-07	4.06E-07	-2.57E-07	2.51E-07	1.58E-07	-9.31E-08	1.28E-07	8.05E-08	-4.74E-08	2.51E-07	1.58E-07	-9.31E-08
454	488919.6	3857550.8	6.55E-07	3.98E-07	-2.57E-07	2.48E-07	1.55E-07	-9.33E-08	1.26E-07	7.89E-08	-4.74E-08	2.48E-07	1.55E-07	-9.33E-08
455	489663.7	3860900.1	2.47E-07	1.34E-07	-1.13E-07	9.38E-08	5.23E-08	-4.15E-08	4.77E-08	2.66E-08	-2.11E-08	9.38E-08	5.23E-08	-4.15E-08
456	489813.7	3860900.1	2.59E-07	1.40E-07	-1.19E-07	9.84E-08	5.48E-08	-4.36E-08	5.00E-08	2.79E-08	-2.22E-08	9.84E-08	5.48E-08	-4.36E-08
457	489863.7	3860900.1	2.63E-07	1.43E-07	-1.21E-07	9.99E-08	5.57E-08	-4.43E-08	5.08E-08	2.83E-08	-2.25E-08	9.99E-08	5.57E-08	-4.43E-08
458	489913.7	3860900.1	2.68E-07	1.45E-07	-1.23E-07	1.02E-07	5.66E-08	-4.50E-08	5.17E-08	2.88E-08	-2.29E-08	1.02E-07	5.66E-08	-4.50E-08
459	489963.7	3860900.1	2.72E-07	1.48E-07	-1.25E-07	1.03E-07	5.76E-08	-4.58E-08	5.26E-08	2.93E-08	-2.33E-08	1.03E-07	5.76E-08	-4.58E-08
460	490013.7	3860900.1	2.77E-07	1.50E-07	-1.27E-07	1.05E-07	5.86E-08	-4.66E-08	5.35E-08	2.98E-08	-2.37E-08	1.05E-07	5.86E-08	-4.66E-08
461	490063.7	3860900.1	2.82E-07	1.53E-07	-1.29E-07	1.07E-07	5.97E-08	-4.74E-08	5.45E-08	3.04E-08	-2.41E-08	1.07E-07	5.97E-08	-4.74E-08
462	489663.7	3860950.1	2.40E-07	1.30E-07	-1.10E-07	9.12E-08	5.09E-08	-4.04E-08	4.64E-08	2.59E-08	-2.05E-08	9.12E-08	5.09E-08	-4.04E-08
463	489813.7	3860950.1	2.52E-07	1.36E-07	-1.15E-07	9.55E-08	5.32E-08	-4.23E-08	4.86E-08	2.71E-08	-2.15E-08	9.55E-08	5.32E-08	-4.23E-08
464	489863.7	3860950.1	2.55E-07	1.38E-07	-1.17E-07	9.69E-08	5.40E-08	-4.29E-08	4.93E-08	2.75E-08	-2.18E-08	9.69E-08	5.40E-08	-4.29E-08
465	489913.7	3860950.1	2.59E-07	1.41E-07	-1.19E-07	9.84E-08	5.49E-08	-4.35E-08	5.00E-08	2.79E-08	-2.21E-08	9.84E-08	5.49E-08	-4.35E-08
466	489963.7	3860950.1	2.64E-07	1.43E-07	-1.21E-07	1.00E-07	5.58E-08	-4.43E-08	5.09E-08	2.84E-08	-2.25E-08	1.00E-07	5.58E-08	-4.43E-08
467	490013.7	3860950.1	2.68E-07	1.46E-07	-1.23E-07	1.02E-07	5.68E-08	-4.51E-08	5.18E-08	2.89E-08	-2.29E-08	1.02E-07	5.68E-08	-4.51E-08
468	490063.7	3860950.1	2.73E-07	1.48E-07	-1.25E-07	1.04E-07	5.77E-08	-4.58E-08	5.27E-08	2.94E-08	-2.33E-08	1.04E-07	5.77E-08	-4.58E-08

469	489513.7	3861000.1	2.26E-07	1.22E-07	-1.03E-07	8.56E-08	4.76E-08	-3.80E-08	4.35E-08	2.42E-08	-1.93E-08	8.56E-08	4.76E-08	-3.80E-08
470	489563.7	3861000.1	2.28E-07	1.24E-07	-1.05E-07	8.66E-08	4.82E-08	-3.84E-08	4.40E-08	2.45E-08	-1.95E-08	8.66E-08	4.82E-08	-3.84E-08
471	489613.7	3861000.1	2.31E-07	1.25E-07	-1.06E-07	8.78E-08	4.89E-08	-3.89E-08	4.47E-08	2.49E-08	-1.98E-08	8.78E-08	4.89E-08	-3.89E-08
472	489663.7	3861000.1	2.35E-07	1.27E-07	-1.08E-07	8.90E-08	4.96E-08	-3.94E-08	4.53E-08	2.52E-08	-2.01E-08	8.90E-08	4.96E-08	-3.94E-08
473	489713.7	3861000.1	2.38E-07	1.29E-07	-1.09E-07	9.02E-08	5.03E-08	-3.99E-08	4.59E-08	2.56E-08	-2.03E-08	9.02E-08	5.03E-08	-3.99E-08
474	489763.7	3861000.1	2.41E-07	1.31E-07	-1.10E-07	9.14E-08	5.10E-08	-4.04E-08	4.65E-08	2.59E-08	-2.06E-08	9.14E-08	5.10E-08	-4.04E-08
475	489813.7	3861000.1	2.45E-07	1.33E-07	-1.12E-07	9.28E-08	5.18E-08	-4.10E-08	4.72E-08	2.63E-08	-2.08E-08	9.28E-08	5.18E-08	-4.10E-08
476	489863.7	3861000.1	2.48E-07	1.35E-07	-1.14E-07	9.41E-08	5.25E-08	-4.16E-08	4.79E-08	2.67E-08	-2.12E-08	9.41E-08	5.25E-08	-4.16E-08
477	489913.7	3861000.1	2.52E-07	1.37E-07	-1.15E-07	9.57E-08	5.34E-08	-4.23E-08	4.87E-08	2.71E-08	-2.15E-08	9.57E-08	5.34E-08	-4.23E-08
478	489963.7	3861000.1	2.56E-07	1.39E-07	-1.17E-07	9.70E-08	5.41E-08	-4.29E-08	4.93E-08	2.75E-08	-2.18E-08	9.70E-08	5.41E-08	-4.29E-08
479	490013.7	3861000.1	2.60E-07	1.41E-07	-1.19E-07	9.87E-08	5.50E-08	-4.37E-08	5.02E-08	2.80E-08	-2.22E-08	9.87E-08	5.50E-08	-4.37E-08
480	490063.7	3861000.1	2.64E-07	1.43E-07	-1.21E-07	1.00E-07	5.60E-08	-4.43E-08	5.10E-08	2.85E-08	-2.25E-08	1.00E-07	5.60E-08	-4.43E-08
481	489513.7	3861050.1	2.21E-07	1.19E-07	-1.01E-07	8.37E-08	4.66E-08	-3.71E-08	4.26E-08	2.37E-08	-1.89E-08	8.37E-08	4.66E-08	-3.71E-08
482	489563.7	3861050.1	2.23E-07	1.21E-07	-1.02E-07	8.46E-08	4.71E-08	-3.75E-08	4.30E-08	2.40E-08	-1.90E-08	8.46E-08	4.71E-08	-3.75E-08
483	489613.7	3861050.1	2.26E-07	1.23E-07	-1.04E-07	8.58E-08	4.78E-08	-3.80E-08	4.36E-08	2.43E-08	-1.93E-08	8.58E-08	4.78E-08	-3.80E-08
484	489663.7	3861050.1	2.29E-07	1.24E-07	-1.05E-07	8.68E-08	4.84E-08	-3.84E-08	4.41E-08	2.46E-08	-1.95E-08	8.68E-08	4.84E-08	-3.84E-08
485	489713.7	3861050.1	2.31E-07	1.26E-07	-1.06E-07	8.78E-08	4.90E-08	-3.88E-08	4.47E-08	2.49E-08	-1.97E-08	8.78E-08	4.90E-08	-3.88E-08
486	489763.7	3861050.1	2.35E-07	1.27E-07	-1.07E-07	8.90E-08	4.97E-08	-3.94E-08	4.53E-08	2.53E-08	-2.00E-08	8.90E-08	4.97E-08	-3.94E-08
487	489813.7	3861050.1	2.38E-07	1.29E-07	-1.09E-07	9.04E-08	5.04E-08	-4.00E-08	4.60E-08	2.56E-08	-2.03E-08	9.04E-08	5.04E-08	-4.00E-08
488	489863.7	3861050.1	2.41E-07	1.31E-07	-1.10E-07	9.16E-08	5.11E-08	-4.05E-08	4.66E-08	2.60E-08	-2.06E-08	9.16E-08	5.11E-08	-4.05E-08
489	489913.7	3861050.1	2.45E-07	1.33E-07	-1.12E-07	9.29E-08	5.19E-08	-4.11E-08	4.73E-08	2.64E-08	-2.09E-08	9.29E-08	5.19E-08	-4.11E-08
490	489963.7	3861050.1	2.49E-07	1.35E-07	-1.14E-07	9.43E-08	5.26E-08	-4.17E-08	4.80E-08	2.68E-08	-2.12E-08	9.43E-08	5.26E-08	-4.17E-08
491	490013.7	3861050.1	2.53E-07	1.37E-07	-1.15E-07	9.58E-08	5.35E-08	-4.23E-08	4.87E-08	2.72E-08	-2.15E-08	9.58E-08	5.35E-08	-4.23E-08
492	490063.7	3861050.1	2.57E-07	1.39E-07	-1.17E-07	9.74E-08	5.43E-08	-4.31E-08	4.95E-08	2.76E-08	-2.19E-08	9.74E-08	5.43E-08	-4.31E-08
493	489513.7	3861100.1	2.16E-07	1.17E-07	-9.90E-08	8.18E-08	4.55E-08	-3.63E-08	4.16E-08	2.32E-08	-1.85E-08	8.18E-08	4.55E-08	-3.63E-08
494	489563.7	3861100.1	2.18E-07	1.18E-07	-9.99E-08	8.27E-08	4.61E-08	-3.66E-08	4.21E-08	2.34E-08	-1.86E-08	8.27E-08	4.61E-08	-3.66E-08
495	489613.7	3861100.1	2.20E-07	1.19E-07	-1.01E-07	8.35E-08	4.65E-08	-3.70E-08	4.25E-08	2.37E-08	-1.88E-08	8.35E-08	4.65E-08	-3.70E-08
496	489663.7	3861100.1	2.23E-07	1.21E-07	-1.02E-07	8.46E-08	4.71E-08	-3.75E-08	4.30E-08	2.40E-08	-1.90E-08	8.46E-08	4.71E-08	-3.75E-08
497	489713.7	3861100.1	2.26E-07	1.22E-07	-1.03E-07	8.56E-08	4.77E-08	-3.79E-08	4.35E-08	2.43E-08	-1.93E-08	8.56E-08	4.77E-08	-3.79E-08
498	489763.7	3861100.1	2.29E-07	1.24E-07	-1.05E-07	8.68E-08	4.84E-08	-3.84E-08	4.41E-08	2.46E-08	-1.95E-08	8.68E-08	4.84E-08	-3.84E-08
499	489813.7	3861100.1	2.32E-07	1.26E-07	-1.06E-07	8.80E-08	4.91E-08	-3.89E-08	4.47E-08	2.50E-08	-1.98E-08	8.80E-08	4.91E-08	-3.89E-08
500	489863.7	3861100.1	2.35E-07	1.28E-07	-1.07E-07	8.92E-08	4.98E-08	-3.94E-08	4.54E-08	2.53E-08	-2.00E-08	8.92E-08	4.98E-08	-3.94E-08
501	489913.7	3861100.1	2.38E-07	1.29E-07	-1.09E-07	9.04E-08	5.05E-08	-3.99E-08	4.60E-08	2.57E-08	-2.03E-08	9.04E-08	5.05E-08	-3.99E-08
502	489963.7	3861100.1	2.42E-07	1.31E-07	-1.10E-07	9.17E-08	5.12E-08	-4.05E-08	4.67E-08	2.61E-08	-2.06E-08	9.17E-08	5.12E-08	-4.05E-08
503	490013.7	3861100.1	2.45E-07	1.33E-07	-1.12E-07	9.31E-08	5.20E-08	-4.11E-08	4.74E-08	2.64E-08	-2.09E-08	9.31E-08	5.20E-08	-4.11E-08
504	490063.7	3861100.1	2.49E-07	1.35E-07	-1.14E-07	9.46E-08	5.28E-08	-4.18E-08	4.81E-08	2.69E-08	-2.13E-08	9.46E-08	5.28E-08	-4.18E-08
505	489713.7	3861150.1	2.20E-07	1.19E-07	-1.01E-07	8.35E-08	4.66E-08	-3.70E-08	4.25E-08	2.37E-08	-1.88E-08	8.35E-08	4.66E-08	-3.70E-08
506	489763.7	3861150.1	2.23E-07	1.21E-07	-1.02E-07	8.46E-08	4.72E-08	-3.74E-08	4.30E-08	2.40E-08	-1.90E-08	8.46E-08	4.72E-08	-3.74E-08
507	489813.7	3861150.1	2.26E-07	1.23E-07	-1.03E-07	8.58E-08	4.79E-08	-3.79E-08	4.36E-08	2.43E-08	-1.93E-08	8.58E-08	4.79E-08	-3.79E-08
508	489863.7	3861150.1	2.29E-07	1.24E-07	-1.04E-07	8.68E-08	4.85E-08	-3.83E-08	4.41E-08	2.47E-08	-1.95E-08	8.68E-08	4.85E-08	-3.83E-08
509	489913.7	3861150.1	2.32E-07	1.26E-07	-1.06E-07	8.80E-08	4.92E-08	-3.88E-08	4.47E-08	2.50E-08	-1.97E-08	8.80E-08	4.92E-08	-3.88E-08
510	489963.7	3861150.1	2.36E-07	1.28E-07	-1.08E-07	8.94E-08	4.99E-08	-3.95E-08	4.54E-08	2.54E-08	-2.01E-08	8.94E-08	4.99E-08	-3.95E-08
511	490013.7	3861150.1	2.39E-07	1.30E-07	-1.09E-07	9.05E-08	5.06E-08	-4.00E-08	4.60E-08	2.57E-08	-2.03E-08	9.05E-08	5.06E-08	-4.00E-08
512	490063.7	3861150.1	2.42E-07	1.32E-07	-1.11E-07	9.19E-08	5.13E-08	-4.06E-08	4.67E-08	2.61E-08	-2.06E-08	9.19E-08	5.13E-08	-4.06E-08
513	489613.7	3861200.1	2.10E-07	1.14E-07	-9.61E-08	7.96E-08	4.44E-08	-3.52E-08	4.05E-08	2.26E-08	-1.79E-08	7.96E-08	4.44E-08	-3.52E-08
514	489663.7	3861200.1	2.13E-07	1.15E-07	-9.73E-08	8.06E-08	4.50E-08	-3.57E-08	4.10E-08	2.29E-08	-1.81E-08	8.06E-08	4.50E-08	-3.57E-08
515	489713.7	3861200.1	2.15E-07	1.17E-07	-9.82E-08	8.15E-08	4.55E-08	-3.60E-08	4.14E-08	2.31E-08	-1.83E-08	8.15E-08	4.55E-08	-3.60E-08
516	489763.7	3861200.1	2.18E-07	1.18E-07	-9.94E-08	8.25E-08	4.61E-08	-3.65E-08	4.20E-08	2.34E-08	-1.85E-08	8.25E-08	4.61E-08	-3.65E-08
517	489813.7	3861200.1	2.20E-07	1.20E-07	-1.01E-07	8.35E-08	4.67E-08	-3.69E-08	4.25E-08	2.37E-08	-1.87E-08	8.35E-08	4.67E-08	-3.69E-08
518	489863.7	3861200.1	2.23E-07	1.21E-07	-1.02E-07	8.47E-08	4.74E-08	-3.74E-08	4.31E-08	2.41E-08	-1.90E-08	8.47E-08	4.74E-08	-3.74E-08
519	489913.7	3861200.1	2.26E-07	1.23E-07	-1.03E-07	8.58E-08	4.79E-08	-3.78E-08	4.36E-08	2.44E-08	-1.92E-08	8.58E-08	4.79E-08	-3.78E-08
520	489963.7	3861200.1	2.29E-07	1.25E-07	-1.05E-07	8.70E-08	4.86E-08	-3.84E-08	4.42E-08	2.47E-08	-1.95E-08	8.70E-08	4.86E-08	-3.84E-08
521	490013.7	3861200.1	2.32E-07	1.26E-07	-1.06E-07	8.82E-08	4.93E-08	-3.89E-08	4.48E-08	2.51E-08	-1.98E-08	8.82E-08	4.93E-08	-3.89E-08
522	490063.7	3861200.1	2.36E-07	1.28E-07	-1.08E-07	8.95E-08	5.00E-08	-3.95E-08	4.55E-08	2.54E-08	-2.01E-08	8.95E-08	5.00E-08	-3.95E-08
523	489513.7	3861250.1	2.01E-07	1.09E-07	-9.21E-08	7.62E-08	4.24E-08	-3.38E-08	3.87E-08	2.16E-08	-1.72E-08	7.62E-08	4.24E-08	-3.38E-08
524	489563.7	3861250.1	2.03E-07	1.10E-07	-9.30E-08	7.71E-08	4.29E-08	-3.41E-08	3.92E-08	2.18E-08	-1.73E-08	7.71E-08	4.29E-08	-3.41E-08
525	489613.7	3861250.1	2.05E-07	1.11E-07	-9.40E-08	7.79E-08	4.34E-08	-3.45E-08	3.96E-08	2.21E-08	-1.75E-08	7.79E-08	4.34E-08	-3.45E-08
526	489663.7	3861250.1	2.08E-07	1.13E-07	-9.49E-08	7.88E-08	4.39E-08	-3.48E-08	4.01E-08	2.23E-08	-1.77E-08	7.88E-08	4.39E-08	-3.48E-08
527	489713.7	3861250.1	2.10E-07	1.14E-07	-9.60E-08	7.96E-08	4.44E-08	-3.52E-08	4.05E-08	2.26E-08	-1.79E-08	7.96E-08	4.44E-08	-3.52E-08
528	489763.7	3861250.1	2.13E-07	1.15E-07	-9.72E-08	8.06E-08	4.50E-08	-3.56E-08	4.10E-08	2.29E-08	-1.81E-08	8.06E-08	4.50E-08	-3.56E-08
529	489813.7	3861250.1	2.15E-07	1.17E-07	-9.84E-08	8.17E-08	4.56E-08	-3.61E-08	4.15E-08	2.32E-08	-1.84E-08	8.17E-08	4.56E-08	-3.61E-08
530	489863.7	3861250.1	2.18E-07	1.18E-07	-9.95E-08	8.27E-08	4.62E-08	-3.65E-08	4.21E-08	2.35E-08	-1.86E-08	8.27E-08	4.62E-08	-3.65E-08
531	489913.7	3861250.1	2.21E-07	1.20E-07	-1.01E-07	8.37E-08	4.68E-08	-3.69E-08	4.26E-08	2.38E-08	-1.88E-08	8.37E-08	4.68E-08	-3.69E-08
532	489963.7	3861250.1	2.23E-07	1.22E-07	-1.02E-07	8.47E-08	4.74E-08	-3.73E-08	4.31E-08	2.41E-08	-1.90E-08	8.47E-08	4.74E-08	-3.73E-08
533	490013.7	3861250.1	2.27E-07	1.23E-07	-1.03E-07	8.59E-08	4.80E-08	-3.79E-08	4.37E-08	2.44E-08	-1.93E-08	8.59E-08	4.80E-08	-3.79E-08
534	490063.7	3861250.1	2.30E-07	1.25E-07	-1.05E-07	8.71E-08	4.87E-08	-3.84E-08	4.43E-08	2.48E-08	-1.95E-08	8.71E-08	4.87E-08	-3.84E-08
535	489528.1	3861308.5	1.97E-07	1.07E-07	-9.03E-08	7.47E-08	4.15E-08	-3.31E-08	3.80E-08	2.11E-08	-1.68E-08	7.47E-08	4.15E-08	-3.31E-08
536	489578.1	3861308.5	1.99E-07	1.08E-07	-9.10E-08	7.53E-08	4.20E-08	-3.34E-08	3.83E-08	2.13E-08	-1.70E-08	7.53E-08	4.20E-08	-3.34E-08
537	489628.1	3861308.5	2.01E-07	1.09E-07	-9.20E-08	7.62E-08	4.25E-08	-3.37E-08	3.87E-08	2.16E-08	-1.72E-08	7.62E-08	4.25E-08	-3.37E-08
538	489678.1	3861308.5	2.03E-07	1.10E-07	-9.27E-08	7.69E-08	4.29E-08	-3.40E-08	3.91E-08	2.18E-08	-1.73E-08	7.69E-08	4.29E-08	-3.40E-08
539	489728.1	3861308.5	2.05E-07	1.11E-07	-9.39E-08	7.79E-08	4.35E-08	-3.44E-08	3.96E-08	2.21E-08	-1.75E-08	7.79E-08	4.35E-08	-3.44E-08
540	489778.1	3861308.5	2.08E-07	1.13E-07	-9.49E-08	7.88E-08	4.39E-08	-3.48E-08	4.01E-08	2.23E-08	-1.77E-08	7.88E-08	4.39E-08	-3.48E-08
541	489678.1	3861358.5	1.99E-07	1.08E-07	-9.09E-08	7.53E-08	4.20E-08	-3.33E-08	3.83E-08	2.14E-08	-1.69E-08	7.53E-08	4.20E-08	-3.33E-08
542	489728.1	3861358.5	2.00E-07	1.09E-07	-9.16E-08	7.60E-08	4.25E-08	-3.36E-08	3.87E-08	2.16E-08	-1.71E-08	7.60E-08	4.25E-08	-3.36E-08
543	489528.1	3861408.5	1.89E-07	1.02E-07	-8.66E-08	7.16E-08	3.98E-08	-3.18E-08	3.64E-08	2.02E-08	-1.62E-08	7.16E-08	3.98E-08	-3.18E-08
544	489578.1	3861408.5	1.90E-07	1.03E-07	-8.73E-08	7.23E-08	4.02E-08	-3.20E-08	3.68E-08	2.05E-08	-1.63E-08	7.23E-08	4.02E-08	-3.20E-08
545	489628.1	3861408.5	1.92E-07	1.04E-07	-8.80E-08	7.30E-08	4.07E-08	-3.23E-08	3.71E-08	2.07E-08	-1.64E-08	7.30E-08	4.07E-08	-3.23E-08
546	489678.1	3861408.5	1.94E-07	1.05E-07	-8.88E-08	7.36E-08	4.11E-08	-3.26E-08	3.74E-08	2.09E-08	-1.66E-08	7.36E-08	4.11E-08	-3.26E-08
547	489728.1	3861408.5	1.96E-07	1.07E-07	-8.98E-08	7.45E-08	4.15E-08	-3.29E-08	3.79E-08	2.11E-08	-1.68E-08	7.45E-08	4.15E-08	-3.29E-08
548	489528.1	3861458.5	1.85E-07	1.00E-07	-8.50E-08	7.02E-08	3.90E-08	-3.12E-08	3.57E-08	1.99E-08	-1.59E-08	7.02E-08	3.90E-08	-3.12E-08
549	489578.1	3861458.5	1.87E-07	1.01E-07	-8.58E-08	7.09E-08	3.94E-08	-3.15E-08	3.61E-08	2.01E-08	-1.60E-08	7.09E-08	3.94E-08	-3.15E-08
550	489628.1	3861458.5	1.89E-07	1.02E-07	-8.65E-08	7.16E-08	3.99E-08	-3.17E-08	3.64E-08	2.03E-08	-1.61E-08	7.16E-08	3.99E-08	-3.17E-08
551	489678.1	3861458.5	1.90E-07	1.03E-07	-8.72E-08	7.23E-08	4.03E-08	-3.20E-08	3.68E-08	2.05E-08	-1.63E-08	7.23E-08	4.03E-08	-3.20E-08
552	489728.1	3861458.5	1.92E-07	1.04E-07	-8.80E-08	7.30E-08	4.07E-08	-3.23E-08	3.71E-08	2.07E-08	-1.64E-08	7.30E-08	4.07E-08	-3.23E-08
553	489528.1	3861508.5	1.81E-07	9.81E-08	-8.33E-08	6.89E-08	3.83E-08	-3.06E-08	3.50E-08	1.95E-08	-1.55E-08	6.89E-08	3.83E-08	-3.06E-08
554	489578.1	3861508.5	1.83E-07	9.91E-08	-8.42E-08	6.95E-08	3.87E-08	-3.09E-08	3.54E-08	1.97E-08	-1.57E-08	6.95E-08	3.87E-08	-3.09E-08
555	489628.1	3861508.5	1.85E-07	1.00E-07	-8.49E-08	7.02E-08	3.91E-08	-3.11E-08	3.57E-08	1.99E-08	-1.58E-08	7.02E-08	3.91E-08	-3.11E-08
556	489678.1	3861508.5	1.86E-07	1.01E-07	-8.53E-08	7.07E-08	3.94E-08	-3.13E-08	3.60E-08	2.01E-08	-1.59E-08	7.07E-08	3.94E-08	-3.13E-08
557	489728.1	3861508.5	1.88E-07	1.02E-07	-8.60E-08	7.14E-08	3.99E-08	-3.16E-08	3.63E-08	2.03E-08	-1.60E-08	7.14E-08	3.99E-08	-3.16E-08
558	489628.1	3861558.5	1.81E-07	9.83E-08	-8.32E-08	6.89E-08	3.83E-08	-3.05E-08	3.50E-08	1.95E-08	-1.55E-08	6.89E-08	3.83E-08	-3.05E-08
559	489678.1	3861558.5	1.83E-07	9.92E-08	-8.40E-08	6.95E-08	3.87E-08	-3.08E-08	3.54E-08	1.97E-08	-1.57E-08	6.95E-08	3.87E-08	-3.08E-08
560	489728.1	3861558.5	1.85E-07	1.00E-07	-8.47E-08	7.02E-08	3.91E-08	-3.11E-08	3.57E-08	1.99E-08	-1.58E-08	7.02E-08	3.91E-08	-3.11E-08
561	489357.1	3861015.8	2.16E-07	1.17E-07	-9.94E-08	8.20E-08	4.55E-08	-3.65E-08	4.17E-08	2.32E-08	-1.86E-08	8.20E-08	4.55E-08	-3.65E-08
562	489407.1	3861015.8	2.18E-07	1.18E-07	-1.00E-07	8.29E-08	4.61E-08	-3.68E-08	4.21E-08	2.34E-08	-1.87E-08	8.29E-08	4.61E-08	-3.68E-08

563	489457.1	3861015.8	2.21E-07	1.19E-07	-1.01E-07	8.37E-08	4.66E-08	-3.71E-08	4.26E-08	2.37E-08	-1.89E-08	8.37E-08	4.66E-08	-3.71E-08
564	489357.1	3861065.8	2.12E-07	1.14E-07	-9.74E-08	8.03E-08	4.46E-08	-3.57E-08	4.08E-08	2.27E-08	-1.82E-08	8.03E-08	4.46E-08	-3.57E-08
565	489407.1	3861065.8	2.13E-07	1.15E-07	-9.81E-08	8.10E-08	4.50E-08	-3.60E-08	4.12E-08	2.29E-08	-1.83E-08	8.10E-08	4.50E-08	-3.60E-08
566	489457.1	3861065.8	2.16E-07	1.17E-07	-9.90E-08	8.18E-08	4.55E-08	-3.63E-08	4.16E-08	2.32E-08	-1.85E-08	8.18E-08	4.55E-08	-3.63E-08
567	489357.1	3861115.8	2.07E-07	1.12E-07	-9.54E-08	7.86E-08	4.36E-08	-3.50E-08	4.00E-08	2.22E-08	-1.78E-08	7.86E-08	4.36E-08	-3.50E-08
568	489407.1	3861115.8	2.09E-07	1.13E-07	-9.59E-08	7.93E-08	4.41E-08	-3.52E-08	4.03E-08	2.24E-08	-1.79E-08	7.93E-08	4.41E-08	-3.52E-08
569	489457.1	3861115.8	2.11E-07	1.14E-07	-9.69E-08	8.01E-08	4.46E-08	-3.56E-08	4.07E-08	2.27E-08	-1.81E-08	8.01E-08	4.46E-08	-3.56E-08
570	489407.1	3861165.8	2.04E-07	1.11E-07	-9.39E-08	7.76E-08	4.31E-08	-3.44E-08	3.94E-08	2.19E-08	-1.75E-08	7.76E-08	4.31E-08	-3.44E-08
571	489457.1	3861165.8	2.07E-07	1.12E-07	-9.49E-08	7.84E-08	4.36E-08	-3.48E-08	3.99E-08	2.22E-08	-1.77E-08	7.84E-08	4.36E-08	-3.48E-08
572	489407.1	3861215.8	2.00E-07	1.08E-07	-9.18E-08	7.59E-08	4.22E-08	-3.37E-08	3.86E-08	2.14E-08	-1.71E-08	7.59E-08	4.22E-08	-3.37E-08
573	489457.1	3861215.8	2.02E-07	1.09E-07	-9.25E-08	7.65E-08	4.26E-08	-3.39E-08	3.89E-08	2.17E-08	-1.73E-08	7.65E-08	4.26E-08	-3.39E-08
574	489407.1	3861265.8	1.95E-07	1.06E-07	-8.98E-08	7.41E-08	4.12E-08	-3.29E-08	3.77E-08	2.10E-08	-1.68E-08	7.41E-08	4.12E-08	-3.29E-08
575	489457.1	3861265.8	1.97E-07	1.07E-07	-9.05E-08	7.48E-08	4.16E-08	-3.32E-08	3.81E-08	2.12E-08	-1.69E-08	7.48E-08	4.16E-08	-3.32E-08
576	489309.9	3861110.1	2.05E-07	1.11E-07	-9.45E-08	7.79E-08	4.32E-08	-3.47E-08	3.96E-08	2.20E-08	-1.76E-08	7.79E-08	4.32E-08	-3.47E-08
577	489407.1	3861315.8	1.91E-07	1.03E-07	-8.80E-08	7.26E-08	4.03E-08	-3.23E-08	3.69E-08	2.05E-08	-1.64E-08	7.26E-08	4.03E-08	-3.23E-08
578	489457.1	3861315.8	1.93E-07	1.05E-07	-8.87E-08	7.33E-08	4.08E-08	-3.25E-08	3.73E-08	2.07E-08	-1.65E-08	7.33E-08	4.08E-08	-3.25E-08
579	488906	3861006.8	2.00E-07	1.07E-07	-9.25E-08	7.57E-08	4.17E-08	-3.40E-08	3.85E-08	2.12E-08	-1.73E-08	7.57E-08	4.17E-08	-3.40E-08
580	488956	3861006.8	2.01E-07	1.08E-07	-9.32E-08	7.64E-08	4.22E-08	-3.42E-08	3.88E-08	2.14E-08	-1.74E-08	7.64E-08	4.22E-08	-3.42E-08
581	488904.2	3861051.9	1.96E-07	1.05E-07	-9.11E-08	7.45E-08	4.11E-08	-3.34E-08	3.79E-08	2.09E-08	-1.70E-08	7.45E-08	4.11E-08	-3.34E-08
582	488954.2	3861051.9	1.98E-07	1.06E-07	-9.16E-08	7.50E-08	4.14E-08	-3.36E-08	3.81E-08	2.11E-08	-1.71E-08	7.50E-08	4.14E-08	-3.36E-08
583	489004.2	3861051.9	2.00E-07	1.07E-07	-9.26E-08	7.59E-08	4.19E-08	-3.40E-08	3.86E-08	2.13E-08	-1.73E-08	7.59E-08	4.19E-08	-3.40E-08
584	488804.2	3861101.9	1.89E-07	1.01E-07	-8.79E-08	7.18E-08	3.95E-08	-3.23E-08	3.65E-08	2.01E-08	-1.64E-08	7.18E-08	3.95E-08	-3.23E-08
585	488854.2	3861101.9	1.91E-07	1.02E-07	-8.86E-08	7.24E-08	3.99E-08	-3.25E-08	3.68E-08	2.03E-08	-1.65E-08	7.24E-08	3.99E-08	-3.25E-08
586	488904.2	3861101.9	1.92E-07	1.03E-07	-8.89E-08	7.28E-08	4.01E-08	-3.26E-08	3.70E-08	2.04E-08	-1.66E-08	7.28E-08	4.01E-08	-3.26E-08
587	488954.2	3861101.9	1.94E-07	1.04E-07	-8.97E-08	7.35E-08	4.05E-08	-3.29E-08	3.74E-08	2.06E-08	-1.67E-08	7.35E-08	4.05E-08	-3.29E-08
588	489004.2	3861101.9	1.95E-07	1.05E-07	-9.02E-08	7.40E-08	4.09E-08	-3.31E-08	3.76E-08	2.08E-08	-1.68E-08	7.40E-08	4.09E-08	-3.31E-08
589	488804.2	3861151.9	1.85E-07	9.90E-08	-8.61E-08	7.02E-08	3.86E-08	-3.16E-08	3.57E-08	1.96E-08	-1.61E-08	7.02E-08	3.86E-08	-3.16E-08
590	488854.2	3861151.9	1.86E-07	9.99E-08	-8.66E-08	7.07E-08	3.89E-08	-3.18E-08	3.60E-08	1.98E-08	-1.62E-08	7.07E-08	3.89E-08	-3.18E-08
591	489129.5	3861187.6	1.92E-07	1.03E-07	-8.89E-08	7.30E-08	4.03E-08	-3.26E-08	3.71E-08	2.05E-08	-1.66E-08	7.30E-08	4.03E-08	-3.26E-08
592	489179.5	3861187.6	1.94E-07	1.04E-07	-8.97E-08	7.36E-08	4.07E-08	-3.29E-08	3.74E-08	2.07E-08	-1.67E-08	7.36E-08	4.07E-08	-3.29E-08
593	488804.2	3861201.9	1.81E-07	9.72E-08	-8.43E-08	6.89E-08	3.79E-08	-3.10E-08	3.50E-08	1.93E-08	-1.57E-08	6.89E-08	3.79E-08	-3.10E-08
594	488854.2	3861201.9	1.83E-07	9.79E-08	-8.49E-08	6.94E-08	3.82E-08	-3.12E-08	3.53E-08	1.94E-08	-1.59E-08	6.94E-08	3.82E-08	-3.12E-08
595	489129.5	3861237.6	1.89E-07	1.01E-07	-8.72E-08	7.16E-08	3.96E-08	-3.20E-08	3.64E-08	2.01E-08	-1.63E-08	7.16E-08	3.96E-08	-3.20E-08
596	489179.5	3861237.6	1.90E-07	1.02E-07	-8.77E-08	7.21E-08	3.99E-08	-3.22E-08	3.67E-08	2.03E-08	-1.64E-08	7.21E-08	3.99E-08	-3.22E-08
597	488804.2	3861251.9	1.78E-07	9.54E-08	-8.29E-08	6.77E-08	3.72E-08	-3.04E-08	3.44E-08	1.89E-08	-1.55E-08	6.77E-08	3.72E-08	-3.04E-08
598	488854.2	3861251.9	1.79E-07	9.60E-08	-8.32E-08	6.80E-08	3.75E-08	-3.05E-08	3.46E-08	1.91E-08	-1.55E-08	6.80E-08	3.75E-08	-3.05E-08
599	488804.2	3861301.9	1.75E-07	9.35E-08	-8.13E-08	6.63E-08	3.65E-08	-2.98E-08	3.37E-08	1.85E-08	-1.52E-08	6.63E-08	3.65E-08	-2.98E-08
600	488854.2	3861301.9	1.76E-07	9.43E-08	-8.18E-08	6.68E-08	3.68E-08	-3.00E-08	3.40E-08	1.87E-08	-1.53E-08	6.68E-08	3.68E-08	-3.00E-08
601	490943.5	3860182	1.41E-06	7.70E-07	-6.41E-07	5.35E-07	3.00E-07	-2.35E-07	2.72E-07	1.53E-07	-1.19E-07	5.35E-07	3.00E-07	-2.35E-07
602	490993.5	3860182	1.59E-06	8.70E-07	-7.20E-07	6.03E-07	3.39E-07	-2.64E-07	3.07E-07	1.73E-07	-1.34E-07	6.03E-07	3.39E-07	-2.64E-07
603	491043.5	3860182	1.84E-06	1.01E-06	-8.29E-07	6.97E-07	3.93E-07	-3.04E-07	3.54E-07	2.00E-07	-1.54E-07	6.97E-07	3.93E-07	-3.04E-07
604	491093.5	3860182	2.19E-06	1.20E-06	-9.83E-07	8.30E-07	4.69E-07	-3.60E-07	4.22E-07	2.39E-07	-1.83E-07	8.30E-07	4.69E-07	-3.60E-07
605	490943.5	3860232	1.19E-06	6.49E-07	-5.42E-07	4.52E-07	2.53E-07	-1.99E-07	2.30E-07	1.29E-07	-1.01E-07	4.52E-07	2.53E-07	-1.99E-07
606	490993.5	3860232	1.32E-06	7.22E-07	-6.01E-07	5.02E-07	2.82E-07	-2.20E-07	2.55E-07	1.43E-07	-1.12E-07	5.02E-07	2.82E-07	-2.20E-07
607	491043.5	3860232	1.48E-06	8.12E-07	-6.73E-07	5.63E-07	3.17E-07	-2.47E-07	2.86E-07	1.61E-07	-1.25E-07	5.63E-07	3.17E-07	-2.47E-07
608	491093.5	3860232	1.70E-06	9.34E-07	-7.70E-07	6.46E-07	3.64E-07	-2.82E-07	3.29E-07	1.85E-07	-1.43E-07	6.46E-07	3.64E-07	-2.82E-07
609	490943.5	3860282	1.03E-06	5.63E-07	-4.71E-07	3.92E-07	2.19E-07	-1.73E-07	1.99E-07	1.12E-07	-8.78E-08	3.92E-07	2.19E-07	-1.73E-07
610	490993.5	3860282	1.13E-06	6.17E-07	-5.15E-07	4.29E-07	2.40E-07	-1.89E-07	2.18E-07	1.22E-07	-9.60E-08	4.29E-07	2.40E-07	-1.89E-07
611	491043.5	3860282	1.25E-06	6.81E-07	-5.67E-07	4.74E-07	2.66E-07	-2.08E-07	2.41E-07	1.35E-07	-1.06E-07	4.74E-07	2.66E-07	-2.08E-07
612	491093.5	3860282	1.40E-06	7.65E-07	-6.35E-07	5.31E-07	2.98E-07	-2.33E-07	2.70E-07	1.52E-07	-1.18E-07	5.31E-07	2.98E-07	-2.33E-07
613	490943.5	3860332	9.15E-07	4.98E-07	-4.18E-07	3.47E-07	1.94E-07	-1.53E-07	1.77E-07	9.87E-08	-7.79E-08	3.47E-07	1.94E-07	-1.53E-07
614	490993.5	3860332	9.87E-07	5.37E-07	-4.50E-07	3.74E-07	2.09E-07	-1.65E-07	1.90E-07	1.07E-07	-8.39E-08	3.74E-07	2.09E-07	-1.65E-07
615	491043.5	3860332	1.08E-06	5.86E-07	-4.90E-07	4.08E-07	2.28E-07	-1.80E-07	2.07E-07	1.16E-07	-9.13E-08	4.08E-07	2.28E-07	-1.80E-07
616	491093.5	3860332	1.19E-06	6.46E-07	-5.40E-07	4.50E-07	2.52E-07	-1.98E-07	2.29E-07	1.28E-07	-1.01E-07	4.50E-07	2.52E-07	-1.98E-07
617	490086.7	3859935.1	9.08E-07	4.92E-07	-4.16E-07	3.45E-07	1.92E-07	-1.53E-07	1.75E-07	9.76E-08	-7.77E-08	3.45E-07	1.92E-07	-1.53E-07
618	490136.7	3859935.1	9.66E-07	5.23E-07	-4.43E-07	3.66E-07	2.04E-07	-1.62E-07	1.86E-07	1.04E-07	-8.26E-08	3.66E-07	2.04E-07	-1.62E-07
619	490186.7	3859935.1	1.03E-06	5.59E-07	-4.73E-07	3.91E-07	2.18E-07	-1.73E-07	1.99E-07	1.11E-07	-8.82E-08	3.91E-07	2.18E-07	-1.73E-07
620	490236.7	3859935.1	1.11E-06	6.00E-07	-5.07E-07	4.20E-07	2.34E-07	-1.86E-07	2.14E-07	1.19E-07	-9.46E-08	4.20E-07	2.34E-07	-1.86E-07
621	490286.7	3859935.1	1.19E-06	6.46E-07	-5.46E-07	4.52E-07	2.52E-07	-2.00E-07	2.30E-07	1.28E-07	-1.02E-07	4.52E-07	2.52E-07	-2.00E-07
622	490336.7	3859935.1	1.29E-06	7.00E-07	-5.92E-07	4.90E-07	2.73E-07	-2.17E-07	2.49E-07	1.39E-07	-1.10E-07	4.90E-07	2.73E-07	-2.17E-07
623	490386.7	3859935.1	1.41E-06	7.65E-07	-6.47E-07	5.36E-07	2.98E-07	-2.37E-07	2.73E-07	1.52E-07	-1.21E-07	5.36E-07	2.98E-07	-2.37E-07
624	490436.7	3859935.1	1.56E-06	8.43E-07	-7.13E-07	5.91E-07	3.29E-07	-2.62E-07	3.00E-07	1.67E-07	-1.33E-07	5.91E-07	3.29E-07	-2.62E-07
625	490486.7	3859935.1	1.74E-06	9.40E-07	-7.96E-07	6.59E-07	3.67E-07	-2.92E-07	3.35E-07	1.86E-07	-1.49E-07	6.59E-07	3.67E-07	-2.92E-07
626	490536.7	3859935.1	1.98E-06	1.07E-06	-9.09E-07	7.52E-07	4.18E-07	-3.33E-07	3.82E-07	2.13E-07	-1.70E-07	7.52E-07	4.18E-07	-3.33E-07
627	490586.7	3859935.1	2.31E-06	1.25E-06	-1.06E-06	8.76E-07	4.87E-07	-3.89E-07	4.45E-07	2.47E-07	-1.98E-07	8.76E-07	4.87E-07	-3.89E-07
628	490636.7	3859935.1	2.73E-06	1.47E-06	-1.26E-06	1.04E-06	5.75E-07	-4.63E-07	5.28E-07	2.92E-07	-2.35E-07	1.04E-06	5.75E-07	-4.63E-07
629	490686.7	3859935.1	3.39E-06	1.82E-06	-1.57E-06	1.29E-06	7.10E-07	-5.76E-07	6.54E-07	3.61E-07	-2.93E-07	1.29E-06	7.10E-07	-5.76E-07
630	490736.7	3859935.1	4.34E-06	2.32E-06	-2.02E-06	1.65E-06	9.04E-07	-7.41E-07	8.37E-07	4.60E-07	-3.77E-07	1.65E-06	9.04E-07	-7.41E-07
631	490086.7	3859985.1	7.98E-07	4.32E-07	-3.66E-07	3.03E-07	1.68E-07	-1.34E-07	1.54E-07	8.57E-08	-6.82E-08	3.03E-07	1.68E-07	-1.34E-07
632	490136.7	3859985.1	8.40E-07	4.55E-07	-3.85E-07	3.19E-07	1.77E-07	-1.41E-07	1.62E-07	9.02E-08	-7.18E-08	3.19E-07	1.77E-07	-1.41E-07
633	490186.7	3859985.1	8.89E-07	4.81E-07	-4.07E-07	3.37E-07	1.88E-07	-1.49E-07	1.71E-07	9.55E-08	-7.59E-08	3.37E-07	1.88E-07	-1.49E-07
634	490236.7	3859985.1	9.44E-07	5.11E-07	-4.33E-07	3.58E-07	1.99E-07	-1.59E-07	1.82E-07	1.01E-07	-8.07E-08	3.58E-07	1.99E-07	-1.59E-07
635	490286.7	3859985.1	1.00E-06	5.44E-07	-4.60E-07	3.81E-07	2.12E-07	-1.69E-07	1.94E-07	1.08E-07	-8.58E-08	3.81E-07	2.12E-07	-1.69E-07
636	490336.7	3859985.1	1.07E-06	5.81E-07	-4.92E-07	4.07E-07	2.27E-07	-1.80E-07	2.07E-07	1.15E-07	-9.17E-08	4.07E-07	2.27E-07	-1.80E-07
637	490386.7	3859985.1	1.15E-06	6.22E-07	-5.27E-07	4.36E-07	2.43E-07	-1.93E-07	2.22E-07	1.23E-07	-9.82E-08	4.36E-07	2.43E-07	-1.93E-07
638	490436.7	3859985.1	1.24E-06	6.71E-07	-5.68E-07	4.70E-07	2.62E-07	-2.08E-07	2.39E-07	1.33E-07	-1.06E-07	4.70E-07	2.62E-07	-2.08E-07
639	490486.7	3859985.1	1.35E-06	7.30E-07	-6.19E-07	5.12E-07	2.85E-07	-2.27E-07	2.60E-07	1.45E-07	-1.15E-07	5.12E-07	2.85E-07	-2.27E-07
640	490536.7	3859985.1	1.49E-06	8.04E-07	-6.81E-07	5.64E-07	3.14E-07	-2.50E-07	2.87E-07	1.60E-07	-1.27E-07	5.64E-07	3.14E-07	-2.50E-07
641	490586.7	3859985.1	1.66E-06	8.97E-07	-7.61E-07	6.29E-07	3.50E-07	-2.79E-07	3.20E-07	1.78E-07	-1.42E-07	6.29E-07	3.50E-07	-2.79E-07
642	490636.7	3859985.1	1.88E-06	1.01E-06	-8.63E-07	7.12E-07	3.96E-07	-3.17E-07	3.62E-07	2.01E-07	-1.61E-07	7.12E-07	3.96E-07	-3.17E-07
643	490686.7	3859985.1	2.17E-06	1.17E-06	-1.00E-06	8.25E-07	4.58E-07	-3.67E-07	4.20E-07	2.33E-07	-1.87E-07	8.25E-07	4.58E-07	-3.67E-07
644	490736.7	3859985.1	2.54E-06	1.37E-06	-1.17E-06	9.65E-07	5.34E-07	-4.31E-07	4.91E-07	2.72E-07	-2.19E-07	9.65E-07	5.34E-07	-4.31E-07
645	490786.7	3859985.1	3.06E-06	1.64E-06	-1.42E-06	1.16E-06	6.41E-07	-5.21E-07	5.91E-07	3.26E-07	-2.65E-07	1.16E-06	6.41E-07	-5.21E-07
646	490086.7	3860035.1	7.13E-07	3.86E-07	-3.27E-07	2.70E-07	1.51E-07	-1.20E-07	1.38E-07	7.65E-08	-6.10E-08	2.70E-07	1.51E-07	-1.20E-07
647	490136.7	3860035.1	7.46E-07	4.04E-07	-3.42E-07	2.83E-07	1.58E-07	-1.26E-07	1.44E-07	8.01E-08	-6.38E-08	2.83E-07	1.58E-07	-1.26E-07
648	490186.7	3860035.1	7.83E-07	4.24E-07	-3.59E-07	2.97E-07	1.65E-07	-1.32E-07	1.51E-07	8.41E-08	-6.70E-08	2.97E-07	1.65E-07	-1.32E-07
649	490236.7	3860035.1	8.24E-07	4.46E-07	-3.78E-07	3.13E-07	1.74E-07	-1.39E-07	1.59E-07	8.85E-08	-7.05E-08	3.13E-07	1.74E-07	-1.39E-07
650	490286.7	3860035.1	8.68E-07	4.70E-07	-3.98E-07	3.29E-07	1.83E-07	-1.46E-07	1.68E-07	9.33E-08	-7.42E-08	3.29E-07	1.83E-07	-1.46E-07
651	490336.7	3860035.1	9.20E-07	4.98E-07	-4.22E-07	3.49E-07	1.94E-07	-1.55E-07	1.78E-07	9.88E-08	-7.87E-08	3.49E-07	1.94E-07	-1.55E-07
652	490386.7	3860035.1	9.74E-07	5.27E-07	-4.46E-07	3.69E-07	2.06E-07	-1.64E-07	1.88E-07	1.05E-07	-8.33E-08	3.69E-07	2.06E-07	-1.64E-07
653	490436.7	3860035.1	1.04E-06	5.61E-07	-4.76E-07	3.93E-07	2.19E-07	-1.74E-07	2.00E-07	1.11E-07	-8.87E-08	3.93E-07	2.19E-07	-1.74E-07
654	490486.7	3860035.1	1.11E-06	6.01E-07	-5.09E-07	4.21E-07	2.34E-07	-1.87E-07	2.14E-07	1.19E-07	-9.50E-08	4.21E-07	2.34E-07	-1.87E-07
655	490536.7	3860035.1	1.20E-06	6.49E-07	-5.50E-07	4.55E-07	2.53E-07	-2.02E-07	2.31E-07	1.29E-07	-1.03E-07	4.55E-07	2.53E-07	-2.02E-07
656	490586.7	3860035.1	1.30E-06	7.05E-07	-5.98E-07	4.94E-07	2.75E-07	-2.19E-07	2.51E-07	1.40E-07	-1.11E-07	4.94E-07	2.75E-07	-2.19E-07

657	490636.7	3860035.1	1.42E-06	7.70E-07	-6.53E-07	5.40E-07	3.00E-07	-2.39E-07	2.75E-07	1.53E-07	-1.22E-07	5.40E-07	3.00E-07	-2.39E-07
658	490686.7	3860035.1	1.58E-06	8.56E-07	-7.26E-07	6.00E-07	3.34E-07	-2.66E-07	3.05E-07	1.70E-07	-1.35E-07	6.00E-07	3.34E-07	-2.66E-07
659	490736.7	3860035.1	1.79E-06	9.70E-07	-8.23E-07	6.80E-07	3.78E-07	-3.02E-07	3.46E-07	1.92E-07	-1.54E-07	6.80E-07	3.78E-07	-3.02E-07
660	490786.7	3860035.1	2.04E-06	1.10E-06	-9.36E-07	7.74E-07	4.30E-07	-3.43E-07	3.93E-07	2.19E-07	-1.75E-07	7.74E-07	4.30E-07	-3.43E-07
661	490836.7	3860035.1	2.37E-06	1.28E-06	-1.09E-06	8.97E-07	4.99E-07	-3.98E-07	4.56E-07	2.54E-07	-2.02E-07	8.97E-07	4.99E-07	-3.98E-07
662	490086.7	3860085.1	6.48E-07	3.51E-07	-2.97E-07	2.46E-07	1.37E-07	-1.09E-07	1.25E-07	6.96E-08	-5.55E-08	2.46E-07	1.37E-07	-1.09E-07
663	490136.7	3860085.1	6.73E-07	3.64E-07	-3.09E-07	2.55E-07	1.42E-07	-1.13E-07	1.30E-07	7.22E-08	-5.76E-08	2.55E-07	1.42E-07	-1.13E-07
664	490186.7	3860085.1	7.03E-07	3.81E-07	-3.23E-07	2.67E-07	1.49E-07	-1.18E-07	1.36E-07	7.55E-08	-6.02E-08	2.67E-07	1.49E-07	-1.18E-07
665	490236.7	3860085.1	7.35E-07	3.98E-07	-3.37E-07	2.79E-07	1.55E-07	-1.24E-07	1.42E-07	7.90E-08	-6.28E-08	2.79E-07	1.55E-07	-1.24E-07
666	490286.7	3860085.1	7.70E-07	4.17E-07	-3.53E-07	2.92E-07	1.63E-07	-1.29E-07	1.48E-07	8.27E-08	-6.58E-08	2.92E-07	1.63E-07	-1.29E-07
667	490336.7	3860085.1	8.07E-07	4.37E-07	-3.70E-07	3.06E-07	1.70E-07	-1.36E-07	1.56E-07	8.67E-08	-6.90E-08	3.06E-07	1.70E-07	-1.36E-07
668	490386.7	3860085.1	8.49E-07	4.60E-07	-3.89E-07	3.22E-07	1.79E-07	-1.43E-07	1.64E-07	9.11E-08	-7.26E-08	3.22E-07	1.79E-07	-1.43E-07
669	490436.7	3860085.1	8.95E-07	4.85E-07	-4.11E-07	3.40E-07	1.89E-07	-1.51E-07	1.73E-07	9.61E-08	-7.66E-08	3.40E-07	1.89E-07	-1.51E-07
670	490486.7	3860085.1	9.47E-07	5.13E-07	-4.34E-07	3.59E-07	2.00E-07	-1.59E-07	1.83E-07	1.02E-07	-8.10E-08	3.59E-07	2.00E-07	-1.59E-07
671	490536.7	3860085.1	1.01E-06	5.47E-07	-4.63E-07	3.83E-07	2.13E-07	-1.70E-07	1.95E-07	1.08E-07	-8.64E-08	3.83E-07	2.13E-07	-1.70E-07
672	490586.7	3860085.1	1.08E-06	5.86E-07	-4.96E-07	4.10E-07	2.28E-07	-1.82E-07	2.09E-07	1.16E-07	-9.25E-08	4.10E-07	2.28E-07	-1.82E-07
673	490636.7	3860085.1	1.16E-06	6.30E-07	-5.33E-07	4.41E-07	2.46E-07	-1.96E-07	2.25E-07	1.25E-07	-9.95E-08	4.41E-07	2.46E-07	-1.96E-07
674	490686.7	3860085.1	1.26E-06	6.85E-07	-5.79E-07	4.80E-07	2.67E-07	-2.12E-07	2.44E-07	1.36E-07	-1.08E-07	4.80E-07	2.67E-07	-2.12E-07
675	490736.7	3860085.1	1.39E-06	7.53E-07	-6.36E-07	5.27E-07	2.94E-07	-2.33E-07	2.68E-07	1.49E-07	-1.19E-07	5.27E-07	2.94E-07	-2.33E-07
676	490786.7	3860085.1	1.54E-06	8.37E-07	-7.04E-07	5.85E-07	3.26E-07	-2.58E-07	2.97E-07	1.66E-07	-1.31E-07	5.85E-07	3.26E-07	-2.58E-07
677	490836.7	3860085.1	1.72E-06	9.37E-07	-7.87E-07	6.54E-07	3.65E-07	-2.88E-07	3.32E-07	1.86E-07	-1.47E-07	6.54E-07	3.65E-07	-2.88E-07
678	490086.7	3860135.1	5.90E-07	3.19E-07	-2.71E-07	2.24E-07	1.24E-07	-9.95E-08	1.14E-07	6.33E-08	-5.06E-08	2.24E-07	1.24E-07	-9.95E-08
679	490136.7	3860135.1	6.13E-07	3.32E-07	-2.81E-07	2.33E-07	1.29E-07	-1.03E-07	1.18E-07	6.58E-08	-5.25E-08	2.33E-07	1.29E-07	-1.03E-07
680	490186.7	3860135.1	6.38E-07	3.45E-07	-2.93E-07	2.42E-07	1.35E-07	-1.07E-07	1.23E-07	6.85E-08	-5.46E-08	2.42E-07	1.35E-07	-1.07E-07
681	490236.7	3860135.1	6.64E-07	3.59E-07	-3.04E-07	2.52E-07	1.40E-07	-1.12E-07	1.28E-07	7.13E-08	-5.68E-08	2.52E-07	1.40E-07	-1.12E-07
682	490286.7	3860135.1	6.92E-07	3.75E-07	-3.17E-07	2.63E-07	1.46E-07	-1.16E-07	1.34E-07	7.44E-08	-5.92E-08	2.63E-07	1.46E-07	-1.16E-07
683	490336.7	3860135.1	7.22E-07	3.91E-07	-3.31E-07	2.74E-07	1.53E-07	-1.21E-07	1.39E-07	7.76E-08	-6.17E-08	2.74E-07	1.53E-07	-1.21E-07
684	490386.7	3860135.1	7.55E-07	4.09E-07	-3.46E-07	2.87E-07	1.60E-07	-1.27E-07	1.46E-07	8.12E-08	-6.45E-08	2.87E-07	1.60E-07	-1.27E-07
685	490436.7	3860135.1	7.91E-07	4.28E-07	-3.62E-07	3.00E-07	1.67E-07	-1.33E-07	1.53E-07	8.50E-08	-6.76E-08	3.00E-07	1.67E-07	-1.33E-07
686	490486.7	3860135.1	8.31E-07	4.50E-07	-3.81E-07	3.15E-07	1.76E-07	-1.40E-07	1.60E-07	8.93E-08	-7.11E-08	3.15E-07	1.76E-07	-1.40E-07
687	490536.7	3860135.1	8.79E-07	4.76E-07	-4.03E-07	3.33E-07	1.86E-07	-1.48E-07	1.70E-07	9.44E-08	-7.51E-08	3.33E-07	1.86E-07	-1.48E-07
688	490586.7	3860135.1	9.31E-07	5.04E-07	-4.27E-07	3.53E-07	1.97E-07	-1.57E-07	1.80E-07	1.00E-07	-7.96E-08	3.53E-07	1.97E-07	-1.57E-07
689	490636.7	3860135.1	9.92E-07	5.37E-07	-4.54E-07	3.76E-07	2.10E-07	-1.67E-07	1.91E-07	1.07E-07	-8.47E-08	3.76E-07	2.10E-07	-1.67E-07
690	490686.7	3860135.1	1.06E-06	5.75E-07	-4.86E-07	4.03E-07	2.24E-07	-1.78E-07	2.05E-07	1.14E-07	-9.07E-08	4.03E-07	2.24E-07	-1.78E-07
691	490736.7	3860135.1	1.14E-06	6.21E-07	-5.24E-07	4.34E-07	2.42E-07	-1.92E-07	2.21E-07	1.23E-07	-9.76E-08	4.34E-07	2.42E-07	-1.92E-07
692	490786.7	3860135.1	1.25E-06	6.78E-07	-5.70E-07	4.74E-07	2.64E-07	-2.09E-07	2.41E-07	1.34E-07	-1.06E-07	4.74E-07	2.64E-07	-2.09E-07
693	490836.7	3860135.1	1.37E-06	7.44E-07	-6.24E-07	5.19E-07	2.90E-07	-2.29E-07	2.64E-07	1.48E-07	-1.16E-07	5.19E-07	2.90E-07	-2.29E-07
694	490086.7	3860185.1	5.44E-07	2.94E-07	-2.50E-07	2.07E-07	1.15E-07	-9.18E-08	1.05E-07	5.84E-08	-4.67E-08	2.07E-07	1.15E-07	-9.18E-08
695	490136.7	3860185.1	5.64E-07	3.05E-07	-2.59E-07	2.14E-07	1.19E-07	-9.51E-08	1.09E-07	6.05E-08	-4.83E-08	2.14E-07	1.19E-07	-9.51E-08
696	490186.7	3860185.1	5.85E-07	3.17E-07	-2.68E-07	2.22E-07	1.23E-07	-9.85E-08	1.13E-07	6.28E-08	-5.01E-08	2.22E-07	1.23E-07	-9.85E-08
697	490236.7	3860185.1	6.07E-07	3.28E-07	-2.78E-07	2.30E-07	1.28E-07	-1.02E-07	1.17E-07	6.51E-08	-5.19E-08	2.30E-07	1.28E-07	-1.02E-07
698	490286.7	3860185.1	6.30E-07	3.41E-07	-2.89E-07	2.39E-07	1.33E-07	-1.06E-07	1.22E-07	6.77E-08	-5.39E-08	2.39E-07	1.33E-07	-1.06E-07
699	490336.7	3860185.1	6.55E-07	3.55E-07	-3.00E-07	2.48E-07	1.38E-07	-1.10E-07	1.26E-07	7.04E-08	-5.59E-08	2.48E-07	1.38E-07	-1.10E-07
700	490386.7	3860185.1	6.82E-07	3.70E-07	-3.12E-07	2.59E-07	1.44E-07	-1.15E-07	1.32E-07	7.33E-08	-5.82E-08	2.59E-07	1.44E-07	-1.15E-07
701	490436.7	3860185.1	7.12E-07	3.86E-07	-3.26E-07	2.70E-07	1.50E-07	-1.20E-07	1.37E-07	7.65E-08	-6.08E-08	2.70E-07	1.50E-07	-1.20E-07
702	490486.7	3860185.1	7.44E-07	4.03E-07	-3.41E-07	2.82E-07	1.57E-07	-1.25E-07	1.44E-07	8.00E-08	-6.36E-08	2.82E-07	1.57E-07	-1.25E-07
703	490536.7	3860185.1	7.81E-07	4.23E-07	-3.58E-07	2.96E-07	1.65E-07	-1.31E-07	1.51E-07	8.39E-08	-6.67E-08	2.96E-07	1.65E-07	-1.31E-07
704	490586.7	3860185.1	8.23E-07	4.46E-07	-3.77E-07	3.12E-07	1.74E-07	-1.38E-07	1.59E-07	8.85E-08	-7.03E-08	3.12E-07	1.74E-07	-1.38E-07
705	490636.7	3860185.1	8.69E-07	4.71E-07	-3.98E-07	3.30E-07	1.84E-07	-1.46E-07	1.68E-07	9.34E-08	-7.42E-08	3.30E-07	1.84E-07	-1.46E-07
706	490686.7	3860185.1	9.23E-07	5.00E-07	-4.22E-07	3.50E-07	1.95E-07	-1.55E-07	1.78E-07	9.93E-08	-7.88E-08	3.50E-07	1.95E-07	-1.55E-07
707	490736.7	3860185.1	9.83E-07	5.34E-07	-4.50E-07	3.73E-07	2.08E-07	-1.65E-07	1.90E-07	1.06E-07	-8.38E-08	3.73E-07	2.08E-07	-1.65E-07
708	490786.7	3860185.1	1.06E-06	5.74E-07	-4.83E-07	4.01E-07	2.24E-07	-1.77E-07	2.04E-07	1.14E-07	-9.00E-08	4.01E-07	2.24E-07	-1.77E-07
709	490836.7	3860185.1	1.14E-06	6.22E-07	-5.22E-07	4.34E-07	2.43E-07	-1.91E-07	2.21E-07	1.23E-07	-9.73E-08	4.34E-07	2.43E-07	-1.91E-07
710	490086.7	3860235.1	5.07E-07	2.74E-07	-2.33E-07	1.92E-07	1.07E-07	-8.54E-08	9.77E-08	5.43E-08	-4.34E-08	1.92E-07	1.07E-07	-8.54E-08
711	490136.7	3860235.1	5.23E-07	2.83E-07	-2.40E-07	1.99E-07	1.10E-07	-8.82E-08	1.01E-07	5.61E-08	-4.48E-08	1.99E-07	1.10E-07	-8.82E-08
712	490186.7	3860235.1	5.41E-07	2.93E-07	-2.48E-07	2.05E-07	1.14E-07	-9.10E-08	1.04E-07	5.81E-08	-4.63E-08	2.05E-07	1.14E-07	-9.10E-08
713	490236.7	3860235.1	5.60E-07	3.03E-07	-2.57E-07	2.12E-07	1.18E-07	-9.42E-08	1.08E-07	6.01E-08	-4.79E-08	2.12E-07	1.18E-07	-9.42E-08
714	490286.7	3860235.1	5.80E-07	3.14E-07	-2.66E-07	2.20E-07	1.22E-07	-9.75E-08	1.12E-07	6.23E-08	-4.96E-08	2.20E-07	1.22E-07	-9.75E-08
715	490336.7	3860235.1	6.01E-07	3.26E-07	-2.75E-07	2.28E-07	1.27E-07	-1.01E-07	1.16E-07	6.46E-08	-5.13E-08	2.28E-07	1.27E-07	-1.01E-07
716	490386.7	3860235.1	6.24E-07	3.38E-07	-2.86E-07	2.37E-07	1.32E-07	-1.05E-07	1.20E-07	6.71E-08	-5.33E-08	2.37E-07	1.32E-07	-1.05E-07
717	490436.7	3860235.1	6.49E-07	3.52E-07	-2.97E-07	2.46E-07	1.37E-07	-1.09E-07	1.25E-07	6.98E-08	-5.54E-08	2.46E-07	1.37E-07	-1.09E-07
718	490486.7	3860235.1	6.76E-07	3.66E-07	-3.09E-07	2.56E-07	1.43E-07	-1.13E-07	1.30E-07	7.27E-08	-5.77E-08	2.56E-07	1.43E-07	-1.13E-07
719	490536.7	3860235.1	7.06E-07	3.83E-07	-3.23E-07	2.68E-07	1.49E-07	-1.19E-07	1.36E-07	7.59E-08	-6.03E-08	2.68E-07	1.49E-07	-1.19E-07
720	490586.7	3860235.1	7.40E-07	4.01E-07	-3.39E-07	2.81E-07	1.56E-07	-1.24E-07	1.43E-07	7.96E-08	-6.32E-08	2.81E-07	1.56E-07	-1.24E-07
721	490636.7	3860235.1	7.78E-07	4.22E-07	-3.56E-07	2.95E-07	1.64E-07	-1.31E-07	1.50E-07	8.36E-08	-6.64E-08	2.95E-07	1.64E-07	-1.31E-07
722	490686.7	3860235.1	8.21E-07	4.45E-07	-3.75E-07	3.11E-07	1.74E-07	-1.38E-07	1.58E-07	8.83E-08	-7.00E-08	3.11E-07	1.74E-07	-1.38E-07
723	490736.7	3860235.1	8.69E-07	4.72E-07	-3.97E-07	3.30E-07	1.84E-07	-1.46E-07	1.68E-07	9.35E-08	-7.41E-08	3.30E-07	1.84E-07	-1.46E-07
724	490786.7	3860235.1	9.25E-07	5.02E-07	-4.23E-07	3.51E-07	1.96E-07	-1.55E-07	1.78E-07	9.96E-08	-7.88E-08	3.51E-07	1.96E-07	-1.55E-07
725	490086.7	3860285.1	4.75E-07	2.56E-07	-2.18E-07	1.80E-07	1.00E-07	-8.00E-08	9.16E-08	5.09E-08	-4.07E-08	1.80E-07	1.00E-07	-8.00E-08
726	490136.7	3860285.1	4.89E-07	2.64E-07	-2.25E-07	1.86E-07	1.03E-07	-8.24E-08	9.44E-08	5.24E-08	-4.19E-08	1.86E-07	1.03E-07	-8.24E-08
727	490186.7	3860285.1	5.04E-07	2.73E-07	-2.31E-07	1.91E-07	1.06E-07	-8.48E-08	9.72E-08	5.41E-08	-4.31E-08	1.91E-07	1.06E-07	-8.48E-08
728	490236.7	3860285.1	5.21E-07	2.82E-07	-2.39E-07	1.97E-07	1.10E-07	-8.76E-08	1.00E-07	5.59E-08	-4.46E-08	1.97E-07	1.10E-07	-8.76E-08
729	490286.7	3860285.1	5.37E-07	2.91E-07	-2.46E-07	2.04E-07	1.13E-07	-9.03E-08	1.04E-07	5.77E-08	-4.59E-08	2.04E-07	1.13E-07	-9.03E-08
730	490336.7	3860285.1	5.56E-07	3.01E-07	-2.55E-07	2.11E-07	1.17E-07	-9.34E-08	1.07E-07	5.97E-08	-4.75E-08	2.11E-07	1.17E-07	-9.34E-08
731	490386.7	3860285.1	5.76E-07	3.12E-07	-2.64E-07	2.19E-07	1.22E-07	-9.67E-08	1.11E-07	6.19E-08	-4.92E-08	2.19E-07	1.22E-07	-9.67E-08
732	490436.7	3860285.1	5.97E-07	3.24E-07	-2.73E-07	2.27E-07	1.26E-07	-1.00E-07	1.15E-07	6.42E-08	-5.10E-08	2.27E-07	1.26E-07	-1.00E-07
733	490486.7	3860285.1	6.21E-07	3.37E-07	-2.84E-07	2.35E-07	1.31E-07	-1.04E-07	1.20E-07	6.68E-08	-5.30E-08	2.35E-07	1.31E-07	-1.04E-07
734	490536.7	3860285.1	6.46E-07	3.50E-07	-2.95E-07	2.45E-07	1.37E-07	-1.08E-07	1.25E-07	6.95E-08	-5.51E-08	2.45E-07	1.37E-07	-1.08E-07
735	490586.7	3860285.1	6.74E-07	3.66E-07	-3.08E-07	2.56E-07	1.43E-07	-1.13E-07	1.30E-07	7.25E-08	-5.75E-08	2.56E-07	1.43E-07	-1.13E-07
736	490636.7	3860285.1	7.05E-07	3.83E-07	-3.23E-07	2.68E-07	1.49E-07	-1.18E-07	1.36E-07	7.59E-08	-6.02E-08	2.68E-07	1.49E-07	-1.18E-07
737	490686.7	3860285.1	7.41E-07	4.02E-07	-3.39E-07	2.81E-07	1.57E-07	-1.24E-07	1.43E-07	7.98E-08	-6.32E-08	2.81E-07	1.57E-07	-1.24E-07
738	490736.7	3860285.1	7.81E-07	4.24E-07	-3.57E-07	2.96E-07	1.65E-07	-1.31E-07	1.51E-07	8.41E-08	-6.66E-08	2.96E-07	1.65E-07	-1.31E-07
739	490786.7	3860285.1	8.27E-07	4.49E-07	-3.78E-07	3.14E-07	1.75E-07	-1.39E-07	1.60E-07	8.91E-08	-7.04E-08	3.14E-07	1.75E-07	-1.39E-07
740	490086.7	3860335.1	4.48E-07	2.42E-07	-2.06E-07	1.70E-07	9.44E-08	-7.54E-08	8.64E-08	4.80E-08	-3.84E-08	1.70E-07	9.44E-08	-7.54E-08
741	490136.7	3860335.1	4.60E-07	2.49E-07	-2.11E-07	1.75E-07	9.71E-08	-7.75E-08	8.88E-08	4.94E-08	-3.94E-08	1.75E-07	9.71E-08	-7.75E-08
742	490186.7	3860335.1	4.73E-07	2.56E-07	-2.17E-07	1.80E-07	9.98E-08	-7.98E-08	9.13E-08	5.08E-08	-4.06E-08	1.80E-07	9.98E-08	-7.98E-08
743	490236.7	3860335.1	4.87E-07	2.64E-07	-2.24E-07	1.85E-07	1.03E-07	-8.20E-08	9.40E-08	5.23E-08	-4.17E-08	1.85E-07	1.03E-07	-8.20E-08
744	490286.7	3860335.1	5.02E-07	2.72E-07	-2.30E-07	1.90E-07	1.06E-07	-8.45E-08	9.69E-08	5.39E-08	-4.29E-08	1.90E-07	1.06E-07	-8.45E-08
745	490336.7	3860335.1	5.18E-07	2.81E-07	-2.38E-07	1.97E-07	1.09E-07	-8.71E-08	1.00E-07	5.57E-08	-4.43E-08	1.97E-07	1.09E-07	-8.71E-08
746	490386.7	3860335.1	5.35E-07	2.90E-07	-2.45E-07	2.03E-07	1.13E-07	-8.99E-08	1.03E-07	5.76E-08	-4.57E-08	2.03E-07	1.13E-07	-8.99E-08
747	490436.7	3860335.1	5.54E-07	3.01E-07	-2.53E-07	2.10E-07	1.17E-07	-9.29E-08	1.07E-07	5.96E-08	-4.72E-08	2.10E-07	1.17E-07	-9.29E-08
748	490486.7	3860335.1	5.74E-07	3.12E-07	-2.63E-07	2.18E-07	1.22E-07	-9.63E-08	1.11E-07	6.18E-08	-4.90E-08	2.18E-07	1.22E-07	-9.63E-08
749	490536.7	3860335.1	5.96E-07	3.24E-07	-2.73E-07	2.26E-07	1.26E-07	-9.99E-08	1.15E-07	6.42E-08	-5.08E-08	2.26E-07	1.26E-07	-9.99E-08
750	490586.7	3860335.1	6.21E-07	3.37E-07	-2.84E-07	2.35E-07	1.31E-07	-1.04E-07	1.20E-07	6.68E-08	-5.29E-08	2.35E-07	1.31E-07	-1.04E-07

751	490636.7	3860335.1	6.47E-07	3.51E-07	-2.96E-07	2.46E-07	1.37E-07	-1.08E-07	1.25E-07	6.97E-08	-5.51E-08	2.46E-07	1.37E-07	-1.08E-07
752	490686.7	3860335.1	6.77E-07	3.68E-07	-3.10E-07	2.57E-07	1.43E-07	-1.13E-07	1.31E-07	7.30E-08	-5.77E-08	2.57E-07	1.43E-07	-1.13E-07
753	490736.7	3860335.1	7.11E-07	3.86E-07	-3.25E-07	2.70E-07	1.51E-07	-1.19E-07	1.37E-07	7.66E-08	-6.06E-08	2.70E-07	1.51E-07	-1.19E-07
754	490786.7	3860335.1	7.50E-07	4.07E-07	-3.42E-07	2.84E-07	1.59E-07	-1.26E-07	1.45E-07	8.08E-08	-6.39E-08	2.84E-07	1.59E-07	-1.26E-07
755	490086.7	3860385.1	4.25E-07	2.30E-07	-1.95E-07	1.61E-07	8.96E-08	-7.17E-08	8.20E-08	4.56E-08	-3.64E-08	1.61E-07	8.96E-08	-7.17E-08
756	490136.7	3860385.1	4.36E-07	2.36E-07	-2.00E-07	1.65E-07	9.19E-08	-7.35E-08	8.41E-08	4.67E-08	-3.74E-08	1.65E-07	9.19E-08	-7.35E-08
757	490186.7	3860385.1	4.47E-07	2.42E-07	-2.05E-07	1.70E-07	9.43E-08	-7.53E-08	8.63E-08	4.80E-08	-3.83E-08	1.70E-07	9.43E-08	-7.53E-08
758	490236.7	3860385.1	4.59E-07	2.48E-07	-2.11E-07	1.74E-07	9.69E-08	-7.73E-08	8.86E-08	4.93E-08	-3.93E-08	1.74E-07	9.69E-08	-7.73E-08
759	490286.7	3860385.1	4.72E-07	2.56E-07	-2.17E-07	1.79E-07	9.97E-08	-7.95E-08	9.11E-08	5.07E-08	-4.04E-08	1.79E-07	9.97E-08	-7.95E-08
760	490336.7	3860385.1	4.86E-07	2.63E-07	-2.23E-07	1.85E-07	1.03E-07	-8.18E-08	9.38E-08	5.22E-08	-4.16E-08	1.85E-07	1.03E-07	-8.18E-08
761	490386.7	3860385.1	5.01E-07	2.72E-07	-2.29E-07	1.90E-07	1.06E-07	-8.42E-08	9.67E-08	5.39E-08	-4.28E-08	1.90E-07	1.06E-07	-8.42E-08
762	490436.7	3860385.1	5.18E-07	2.81E-07	-2.37E-07	1.96E-07	1.10E-07	-8.69E-08	9.99E-08	5.57E-08	-4.42E-08	1.96E-07	1.10E-07	-8.69E-08
763	490486.7	3860385.1	5.35E-07	2.91E-07	-2.45E-07	2.03E-07	1.13E-07	-8.98E-08	1.03E-07	5.76E-08	-4.57E-08	2.03E-07	1.13E-07	-8.98E-08
764	490536.7	3860385.1	5.55E-07	3.01E-07	-2.54E-07	2.10E-07	1.17E-07	-9.30E-08	1.07E-07	5.97E-08	-4.73E-08	2.10E-07	1.17E-07	-9.30E-08
765	490586.7	3860385.1	5.76E-07	3.13E-07	-2.63E-07	2.19E-07	1.22E-07	-9.65E-08	1.11E-07	6.20E-08	-4.91E-08	2.19E-07	1.22E-07	-9.65E-08
766	490636.7	3860385.1	5.99E-07	3.25E-07	-2.74E-07	2.27E-07	1.27E-07	-1.00E-07	1.16E-07	6.45E-08	-5.10E-08	2.27E-07	1.27E-07	-1.00E-07
767	490686.7	3860385.1	6.25E-07	3.39E-07	-2.86E-07	2.37E-07	1.32E-07	-1.05E-07	1.21E-07	6.73E-08	-5.33E-08	2.37E-07	1.32E-07	-1.05E-07
768	490736.7	3860385.1	6.53E-07	3.55E-07	-2.98E-07	2.48E-07	1.38E-07	-1.09E-07	1.26E-07	7.04E-08	-5.57E-08	2.48E-07	1.38E-07	-1.09E-07
769	490786.7	3860385.1	6.86E-07	3.73E-07	-3.13E-07	2.60E-07	1.45E-07	-1.15E-07	1.32E-07	7.39E-08	-5.84E-08	2.60E-07	1.45E-07	-1.15E-07
770	490136.7	3860435.1	4.15E-07	2.25E-07	-1.91E-07	1.58E-07	8.76E-08	-6.99E-08	8.01E-08	4.45E-08	-3.56E-08	1.58E-07	8.76E-08	-6.99E-08
771	490186.7	3860435.1	4.26E-07	2.30E-07	-1.95E-07	1.61E-07	8.98E-08	-7.17E-08	8.21E-08	4.56E-08	-3.65E-08	1.61E-07	8.98E-08	-7.17E-08
772	490236.7	3860435.1	4.36E-07	2.36E-07	-2.00E-07	1.65E-07	9.20E-08	-7.34E-08	8.41E-08	4.68E-08	-3.73E-08	1.65E-07	9.20E-08	-7.34E-08
773	490286.7	3860435.1	4.47E-07	2.42E-07	-2.05E-07	1.70E-07	9.44E-08	-7.52E-08	8.63E-08	4.80E-08	-3.83E-08	1.70E-07	9.44E-08	-7.52E-08
774	490336.7	3860435.1	4.59E-07	2.49E-07	-2.11E-07	1.74E-07	9.70E-08	-7.73E-08	8.86E-08	4.93E-08	-3.93E-08	1.74E-07	9.70E-08	-7.73E-08
775	490386.7	3860435.1	4.73E-07	2.56E-07	-2.17E-07	1.79E-07	9.99E-08	-7.95E-08	9.12E-08	5.08E-08	-4.04E-08	1.79E-07	9.99E-08	-7.95E-08
776	490436.7	3860435.1	4.87E-07	2.64E-07	-2.23E-07	1.85E-07	1.03E-07	-8.17E-08	9.39E-08	5.24E-08	-4.16E-08	1.85E-07	1.03E-07	-8.17E-08
777	490486.7	3860435.1	5.03E-07	2.73E-07	-2.30E-07	1.91E-07	1.06E-07	-8.43E-08	9.70E-08	5.41E-08	-4.29E-08	1.91E-07	1.06E-07	-8.43E-08
778	490536.7	3860435.1	5.19E-07	2.82E-07	-2.37E-07	1.97E-07	1.10E-07	-8.70E-08	1.00E-07	5.59E-08	-4.42E-08	1.97E-07	1.10E-07	-8.70E-08
779	490586.7	3860435.1	5.38E-07	2.92E-07	-2.46E-07	2.04E-07	1.14E-07	-9.01E-08	1.04E-07	5.79E-08	-4.58E-08	2.04E-07	1.14E-07	-9.01E-08
780	490636.7	3860435.1	5.58E-07	3.03E-07	-2.55E-07	2.12E-07	1.18E-07	-9.34E-08	1.08E-07	6.01E-08	-4.75E-08	2.12E-07	1.18E-07	-9.34E-08
781	490686.7	3860435.1	5.80E-07	3.15E-07	-2.65E-07	2.20E-07	1.23E-07	-9.72E-08	1.12E-07	6.25E-08	-4.94E-08	2.20E-07	1.23E-07	-9.72E-08
782	490736.7	3860435.1	6.05E-07	3.29E-07	-2.76E-07	2.30E-07	1.28E-07	-1.01E-07	1.17E-07	6.53E-08	-5.15E-08	2.30E-07	1.28E-07	-1.01E-07
783	490786.7	3860435.1	6.33E-07	3.44E-07	-2.89E-07	2.40E-07	1.34E-07	-1.06E-07	1.22E-07	6.82E-08	-5.39E-08	2.40E-07	1.34E-07	-1.06E-07
784	490136.7	3860485.1	3.99E-07	2.16E-07	-1.83E-07	1.51E-07	8.41E-08	-6.71E-08	7.69E-08	4.28E-08	-3.41E-08	1.51E-07	8.41E-08	-6.71E-08
785	490186.7	3860485.1	4.07E-07	2.20E-07	-1.87E-07	1.54E-07	8.59E-08	-6.85E-08	7.85E-08	4.37E-08	-3.48E-08	1.54E-07	8.59E-08	-6.85E-08
786	490236.7	3860485.1	4.17E-07	2.25E-07	-1.91E-07	1.58E-07	8.79E-08	-7.01E-08	8.04E-08	4.47E-08	-3.57E-08	1.58E-07	8.79E-08	-7.01E-08
787	490286.7	3860485.1	4.26E-07	2.31E-07	-1.96E-07	1.62E-07	9.00E-08	-7.17E-08	8.23E-08	4.58E-08	-3.65E-08	1.62E-07	9.00E-08	-7.17E-08
788	490336.7	3860485.1	4.37E-07	2.37E-07	-2.01E-07	1.66E-07	9.23E-08	-7.36E-08	8.44E-08	4.69E-08	-3.74E-08	1.66E-07	9.23E-08	-7.36E-08
789	490386.7	3860485.1	4.49E-07	2.43E-07	-2.06E-07	1.70E-07	9.49E-08	-7.55E-08	8.66E-08	4.82E-08	-3.84E-08	1.70E-07	9.49E-08	-7.55E-08
790	490436.7	3860485.1	4.62E-07	2.50E-07	-2.11E-07	1.75E-07	9.76E-08	-7.75E-08	8.91E-08	4.96E-08	-3.94E-08	1.75E-07	9.76E-08	-7.75E-08
791	490486.7	3860485.1	4.75E-07	2.58E-07	-2.17E-07	1.80E-07	1.01E-07	-7.97E-08	9.17E-08	5.11E-08	-4.05E-08	1.80E-07	1.01E-07	-7.97E-08
792	490536.7	3860485.1	4.90E-07	2.66E-07	-2.24E-07	1.86E-07	1.04E-07	-8.21E-08	9.44E-08	5.27E-08	-4.17E-08	1.86E-07	1.04E-07	-8.21E-08
793	490586.7	3860485.1	5.05E-07	2.74E-07	-2.31E-07	1.92E-07	1.07E-07	-8.46E-08	9.75E-08	5.44E-08	-4.30E-08	1.92E-07	1.07E-07	-8.46E-08
794	490636.7	3860485.1	5.23E-07	2.84E-07	-2.39E-07	1.99E-07	1.11E-07	-8.76E-08	1.01E-07	5.64E-08	-4.46E-08	1.99E-07	1.11E-07	-8.76E-08
795	490686.7	3860485.1	5.42E-07	2.95E-07	-2.47E-07	2.06E-07	1.15E-07	-9.07E-08	1.05E-07	5.85E-08	-4.61E-08	2.06E-07	1.15E-07	-9.07E-08
796	490736.7	3860485.1	5.64E-07	3.07E-07	-2.58E-07	2.14E-07	1.20E-07	-9.44E-08	1.09E-07	6.08E-08	-4.80E-08	2.14E-07	1.20E-07	-9.44E-08
797	490786.7	3860485.1	5.88E-07	3.20E-07	-2.68E-07	2.23E-07	1.25E-07	-9.84E-08	1.13E-07	6.34E-08	-5.00E-08	2.23E-07	1.25E-07	-9.84E-08
798	490136.7	3860535.1	3.84E-07	2.08E-07	-1.76E-07	1.46E-07	8.10E-08	-6.46E-08	7.40E-08	4.12E-08	-3.28E-08	1.46E-07	8.10E-08	-6.46E-08
799	490186.7	3860535.1	3.92E-07	2.12E-07	-1.80E-07	1.49E-07	8.27E-08	-6.59E-08	7.56E-08	4.21E-08	-3.35E-08	1.49E-07	8.27E-08	-6.59E-08
800	490236.7	3860535.1	4.00E-07	2.17E-07	-1.84E-07	1.52E-07	8.45E-08	-6.74E-08	7.72E-08	4.30E-08	-3.43E-08	1.52E-07	8.45E-08	-6.74E-08
801	490286.7	3860535.1	4.09E-07	2.21E-07	-1.88E-07	1.55E-07	8.63E-08	-6.88E-08	7.89E-08	4.39E-08	-3.50E-08	1.55E-07	8.63E-08	-6.88E-08
802	490336.7	3860535.1	4.19E-07	2.27E-07	-1.92E-07	1.59E-07	8.84E-08	-7.05E-08	8.08E-08	4.50E-08	-3.58E-08	1.59E-07	8.84E-08	-7.05E-08
803	490386.7	3860535.1	4.29E-07	2.32E-07	-1.97E-07	1.63E-07	9.06E-08	-7.22E-08	8.28E-08	4.61E-08	-3.67E-08	1.63E-07	9.06E-08	-7.22E-08
804	490436.7	3860535.1	4.40E-07	2.39E-07	-2.01E-07	1.67E-07	9.30E-08	-7.39E-08	8.49E-08	4.73E-08	-3.76E-08	1.67E-07	9.30E-08	-7.39E-08
805	490486.7	3860535.1	4.52E-07	2.45E-07	-2.07E-07	1.72E-07	9.56E-08	-7.59E-08	8.72E-08	4.86E-08	-3.86E-08	1.72E-07	9.56E-08	-7.59E-08
806	490536.7	3860535.1	4.65E-07	2.52E-07	-2.13E-07	1.76E-07	9.85E-08	-7.80E-08	8.97E-08	5.01E-08	-3.97E-08	1.76E-07	9.85E-08	-7.80E-08
807	490586.7	3860535.1	4.79E-07	2.60E-07	-2.19E-07	1.82E-07	1.01E-07	-8.02E-08	9.24E-08	5.16E-08	-4.08E-08	1.82E-07	1.01E-07	-8.02E-08
808	490636.7	3860535.1	4.94E-07	2.68E-07	-2.26E-07	1.87E-07	1.05E-07	-8.28E-08	9.53E-08	5.32E-08	-4.21E-08	1.87E-07	1.05E-07	-8.28E-08
809	490686.7	3860535.1	5.11E-07	2.78E-07	-2.33E-07	1.94E-07	1.08E-07	-8.55E-08	9.85E-08	5.50E-08	-4.35E-08	1.94E-07	1.08E-07	-8.55E-08
810	490736.7	3860535.1	5.29E-07	2.88E-07	-2.42E-07	2.01E-07	1.12E-07	-8.86E-08	1.02E-07	5.71E-08	-4.50E-08	2.01E-07	1.12E-07	-8.86E-08
811	490786.7	3860535.1	5.50E-07	2.99E-07	-2.51E-07	2.09E-07	1.17E-07	-9.21E-08	1.06E-07	5.93E-08	-4.68E-08	2.09E-07	1.17E-07	-9.21E-08
812	490136.7	3860585.1	3.70E-07	2.00E-07	-1.70E-07	1.40E-07	7.81E-08	-6.23E-08	7.14E-08	3.97E-08	-3.17E-08	1.40E-07	7.81E-08	-6.23E-08
813	490186.7	3860585.1	3.77E-07	2.04E-07	-1.73E-07	1.43E-07	7.96E-08	-6.34E-08	7.27E-08	4.05E-08	-3.23E-08	1.43E-07	7.96E-08	-6.34E-08
814	490236.7	3860585.1	3.85E-07	2.08E-07	-1.77E-07	1.46E-07	8.13E-08	-6.48E-08	7.43E-08	4.13E-08	-3.29E-08	1.46E-07	8.13E-08	-6.48E-08
815	490286.7	3860585.1	3.94E-07	2.13E-07	-1.81E-07	1.49E-07	8.31E-08	-6.62E-08	7.59E-08	4.23E-08	-3.37E-08	1.49E-07	8.31E-08	-6.62E-08
816	490336.7	3860585.1	4.03E-07	2.18E-07	-1.85E-07	1.53E-07	8.50E-08	-6.77E-08	7.77E-08	4.32E-08	-3.44E-08	1.53E-07	8.50E-08	-6.77E-08
817	490386.7	3860585.1	4.12E-07	2.23E-07	-1.89E-07	1.56E-07	8.69E-08	-6.92E-08	7.94E-08	4.42E-08	-3.52E-08	1.56E-07	8.69E-08	-6.92E-08
818	490436.7	3860585.1	4.22E-07	2.29E-07	-1.93E-07	1.60E-07	8.92E-08	-7.09E-08	8.14E-08	4.54E-08	-3.61E-08	1.60E-07	8.92E-08	-7.09E-08
819	490486.7	3860585.1	4.33E-07	2.35E-07	-1.98E-07	1.64E-07	9.15E-08	-7.27E-08	8.35E-08	4.65E-08	-3.70E-08	1.64E-07	9.15E-08	-7.27E-08
820	490536.7	3860585.1	4.44E-07	2.41E-07	-2.03E-07	1.69E-07	9.40E-08	-7.46E-08	8.58E-08	4.78E-08	-3.79E-08	1.69E-07	9.40E-08	-7.46E-08
821	490586.7	3860585.1	4.56E-07	2.47E-07	-2.09E-07	1.73E-07	9.65E-08	-7.65E-08	8.80E-08	4.91E-08	-3.89E-08	1.73E-07	9.65E-08	-7.65E-08
822	490636.7	3860585.1	4.70E-07	2.55E-07	-2.15E-07	1.78E-07	9.95E-08	-7.87E-08	9.06E-08	5.06E-08	-4.00E-08	1.78E-07	9.95E-08	-7.87E-08
823	490686.7	3860585.1	4.84E-07	2.63E-07	-2.21E-07	1.84E-07	1.03E-07	-8.11E-08	9.34E-08	5.22E-08	-4.12E-08	1.84E-07	1.03E-07	-8.11E-08
824	490736.7	3860585.1	5.00E-07	2.72E-07	-2.28E-07	1.90E-07	1.06E-07	-8.37E-08	9.65E-08	5.40E-08	-4.26E-08	1.90E-07	1.06E-07	-8.37E-08
825	490786.7	3860585.1	5.18E-07	2.82E-07	-2.37E-07	1.97E-07	1.10E-07	-8.68E-08	1.00E-07	5.59E-08	-4.41E-08	1.97E-07	1.10E-07	-8.68E-08
826	490136.7	3860635.1	3.56E-07	1.93E-07	-1.63E-07	1.35E-07	7.53E-08	-5.99E-08	6.87E-08	3.83E-08	-3.05E-08	1.35E-07	7.53E-08	-5.99E-08
827	490186.7	3860635.1	3.64E-07	1.97E-07	-1.67E-07	1.38E-07	7.68E-08	-6.12E-08	7.02E-08	3.91E-08	-3.11E-08	1.38E-07	7.68E-08	-6.12E-08
828	490236.7	3860635.1	3.72E-07	2.01E-07	-1.70E-07	1.41E-07	7.84E-08	-6.25E-08	7.17E-08	3.99E-08	-3.18E-08	1.41E-07	7.84E-08	-6.25E-08
829	490286.7	3860635.1	3.79E-07	2.05E-07	-1.74E-07	1.44E-07	8.01E-08	-6.38E-08	7.32E-08	4.07E-08	-3.24E-08	1.44E-07	8.01E-08	-6.38E-08
830	490336.7	3860635.1	3.88E-07	2.10E-07	-1.78E-07	1.47E-07	8.18E-08	-6.53E-08	7.48E-08	4.16E-08	-3.32E-08	1.47E-07	8.18E-08	-6.53E-08
831	490386.7	3860635.1	3.96E-07	2.15E-07	-1.82E-07	1.50E-07	8.37E-08	-6.66E-08	7.65E-08	4.26E-08	-3.39E-08	1.50E-07	8.37E-08	-6.66E-08
832	490436.7	3860635.1	4.06E-07	2.20E-07	-1.86E-07	1.54E-07	8.57E-08	-6.83E-08	7.83E-08	4.36E-08	-3.47E-08	1.54E-07	8.57E-08	-6.83E-08
833	490486.7	3860635.1	4.16E-07	2.25E-07	-1.90E-07	1.58E-07	8.78E-08	-6.99E-08	8.02E-08	4.47E-08	-3.55E-08	1.58E-07	8.78E-08	-6.99E-08
834	490536.7	3860635.1	4.26E-07	2.31E-07	-1.95E-07	1.62E-07	9.01E-08	-7.16E-08	8.23E-08	4.58E-08	-3.64E-08	1.62E-07	9.01E-08	-7.16E-08
835	490586.7	3860635.1	4.37E-07	2.37E-07	-2.00E-07	1.66E-07	9.25E-08	-7.34E-08	8.44E-08	4.70E-08	-3.73E-08	1.66E-07	9.25E-08	-7.34E-08
836	490636.7	3860635.1	4.49E-07	2.44E-07	-2.05E-07	1.70E-07	9.51E-08	-7.52E-08	8.66E-08	4.84E-08	-3.83E-08	1.70E-07	9.51E-08	-7.52E-08
837	490686.7	3860635.1	4.62E-07	2.51E-07	-2.11E-07	1.75E-07	9.79E-08	-7.74E-08	8.91E-08	4.98E-08	-3.94E-08	1.75E-07	9.79E-08	-7.74E-08
838	490736.7	3860635.1	4.76E-07	2.59E-07	-2.17E-07	1.81E-07	1.01E-07	-7.97E-08	9.18E-08	5.13E-08	-4.05E-08	1.81E-07	1.01E-07	-7.97E-08
839	490786.7	3860635.1	4.92E-07	2.67E-07	-2.24E-07	1.87E-07	1.04E-07	-8.23E-08	9.49E-08	5.30E-08	-4.19E-08	1.87E-07	1.04E-07	-8.23E-08
840	490136.7	3860685.1	3.43E-07	1.86E-07	-1.57E-07	1.30E-07	7.25E-08	-5.77E-08	6.62E-08	3.69E-08	-2.93E-08	1.30E-07	7.25E-08	-5.77E-08
841	490186.7	3860685.1	3.50E-07	1.90E-07	-1.60E-07	1.33E-07	7.39E-08	-5.88E-08	6.75E-08	3.76E-08	-2.99E-08	1.33E-07	7.39E-08	-5.88E-08
842	490236.7	3860685.1	3.58E-07	1.94E-07	-1.64E-07	1.36E-07	7.55E-08	-6.02E-08	6.90E-08	3.84E-08	-3.06E-08	1.36E-07	7.55E-08	-6.02E-08
843	490286.7	3860685.1	3.65E-07	1.98E-07	-1.67E-07	1.38E-07	7.70E-08	-6.14E-08	7.04E-08	3.92E-08	-3.12E-08	1.38E-07	7.70E-08	-6.14E-08
844	490336.7	3860685.1	3.73E-07	2.02E-07	-1.71E-07	1.41E-07	7.88E-08	-6.27E-08	7.19E-08	4.01E-08	-3.19E-08	1.41E-07	7.88E-08	-6.27E-08

845	490386.7	3860685.1	3.81E-07	2.06E-07	-1.75E-07	1.45E-07	8.05E-08	-6.42E-08	7.36E-08	4.10E-08	-3.26E-08	1.45E-07	8.05E-08	-6.42E-08
846	490436.7	3860685.1	3.90E-07	2.11E-07	-1.79E-07	1.48E-07	8.24E-08	-6.56E-08	7.52E-08	4.19E-08	-3.34E-08	1.48E-07	8.24E-08	-6.56E-08
847	490486.7	3860685.1	3.99E-07	2.16E-07	-1.83E-07	1.52E-07	8.44E-08	-6.72E-08	7.71E-08	4.29E-08	-3.42E-08	1.52E-07	8.44E-08	-6.72E-08
848	490536.7	3860685.1	4.09E-07	2.22E-07	-1.88E-07	1.55E-07	8.65E-08	-6.88E-08	7.90E-08	4.40E-08	-3.50E-08	1.55E-07	8.65E-08	-6.88E-08
849	490586.7	3860685.1	4.20E-07	2.28E-07	-1.92E-07	1.59E-07	8.88E-08	-7.05E-08	8.10E-08	4.51E-08	-3.58E-08	1.59E-07	8.88E-08	-7.05E-08
850	490636.7	3860685.1	4.31E-07	2.34E-07	-1.97E-07	1.63E-07	9.12E-08	-7.23E-08	8.31E-08	4.64E-08	-3.68E-08	1.63E-07	9.12E-08	-7.23E-08
851	490686.7	3860685.1	4.43E-07	2.40E-07	-2.03E-07	1.68E-07	9.38E-08	-7.43E-08	8.55E-08	4.77E-08	-3.78E-08	1.68E-07	9.38E-08	-7.43E-08
852	490736.7	3860685.1	4.56E-07	2.47E-07	-2.08E-07	1.73E-07	9.65E-08	-7.64E-08	8.79E-08	4.91E-08	-3.88E-08	1.73E-07	9.65E-08	-7.64E-08
853	490786.7	3860685.1	4.70E-07	2.55E-07	-2.14E-07	1.78E-07	9.96E-08	-7.86E-08	9.06E-08	5.06E-08	-4.00E-08	1.78E-07	9.96E-08	-7.86E-08
854	490136.7	3860735.1	3.30E-07	1.79E-07	-1.51E-07	1.25E-07	6.96E-08	-5.54E-08	6.36E-08	3.54E-08	-2.82E-08	1.25E-07	6.96E-08	-5.54E-08
855	490186.7	3860735.1	3.36E-07	1.82E-07	-1.54E-07	1.27E-07	7.10E-08	-5.65E-08	6.48E-08	3.61E-08	-2.87E-08	1.27E-07	7.10E-08	-5.65E-08
856	490236.7	3860735.1	3.43E-07	1.86E-07	-1.57E-07	1.30E-07	7.25E-08	-5.77E-08	6.62E-08	3.69E-08	-2.93E-08	1.30E-07	7.25E-08	-5.77E-08
857	490286.7	3860735.1	3.50E-07	1.90E-07	-1.61E-07	1.33E-07	7.40E-08	-5.89E-08	6.76E-08	3.76E-08	-3.00E-08	1.33E-07	7.40E-08	-5.89E-08
858	490336.7	3860735.1	3.58E-07	1.94E-07	-1.64E-07	1.36E-07	7.56E-08	-6.02E-08	6.91E-08	3.85E-08	-3.06E-08	1.36E-07	7.56E-08	-6.02E-08
859	490386.7	3860735.1	3.67E-07	1.98E-07	-1.68E-07	1.39E-07	7.74E-08	-6.17E-08	7.07E-08	3.93E-08	-3.14E-08	1.39E-07	7.74E-08	-6.17E-08
860	490436.7	3860735.1	3.75E-07	2.03E-07	-1.72E-07	1.42E-07	7.92E-08	-6.31E-08	7.24E-08	4.03E-08	-3.21E-08	1.42E-07	7.92E-08	-6.31E-08
861	490486.7	3860735.1	3.84E-07	2.08E-07	-1.76E-07	1.46E-07	8.11E-08	-6.46E-08	7.41E-08	4.13E-08	-3.29E-08	1.46E-07	8.11E-08	-6.46E-08
862	490536.7	3860735.1	3.93E-07	2.13E-07	-1.80E-07	1.49E-07	8.30E-08	-6.60E-08	7.58E-08	4.22E-08	-3.36E-08	1.49E-07	8.30E-08	-6.60E-08
863	490586.7	3860735.1	4.03E-07	2.18E-07	-1.84E-07	1.53E-07	8.51E-08	-6.76E-08	7.77E-08	4.33E-08	-3.44E-08	1.53E-07	8.51E-08	-6.76E-08
864	490636.7	3860735.1	4.13E-07	2.24E-07	-1.89E-07	1.57E-07	8.74E-08	-6.93E-08	7.97E-08	4.44E-08	-3.52E-08	1.57E-07	8.74E-08	-6.93E-08
865	490686.7	3860735.1	4.25E-07	2.30E-07	-1.94E-07	1.61E-07	8.99E-08	-7.13E-08	8.19E-08	4.57E-08	-3.62E-08	1.61E-07	8.99E-08	-7.13E-08
866	490736.7	3860735.1	4.37E-07	2.37E-07	-2.00E-07	1.66E-07	9.25E-08	-7.32E-08	8.43E-08	4.70E-08	-3.72E-08	1.66E-07	9.25E-08	-7.32E-08
867	490136.7	3860785.1	3.16E-07	1.71E-07	-1.45E-07	1.20E-07	6.68E-08	-5.31E-08	6.10E-08	3.40E-08	-2.70E-08	1.20E-07	6.68E-08	-5.31E-08
868	490186.7	3860785.1	3.22E-07	1.75E-07	-1.48E-07	1.22E-07	6.81E-08	-5.42E-08	6.22E-08	3.47E-08	-2.76E-08	1.22E-07	6.81E-08	-5.42E-08
869	490236.7	3860785.1	3.29E-07	1.78E-07	-1.51E-07	1.25E-07	6.95E-08	-5.53E-08	6.35E-08	3.54E-08	-2.81E-08	1.25E-07	6.95E-08	-5.53E-08
870	490286.7	3860785.1	3.36E-07	1.82E-07	-1.54E-07	1.27E-07	7.10E-08	-5.65E-08	6.48E-08	3.61E-08	-2.87E-08	1.27E-07	7.10E-08	-5.65E-08
871	490336.7	3860785.1	3.44E-07	1.86E-07	-1.58E-07	1.30E-07	7.26E-08	-5.78E-08	6.63E-08	3.69E-08	-2.94E-08	1.30E-07	7.26E-08	-5.78E-08
872	490386.7	3860785.1	3.51E-07	1.90E-07	-1.61E-07	1.33E-07	7.42E-08	-5.91E-08	6.78E-08	3.77E-08	-3.00E-08	1.33E-07	7.42E-08	-5.91E-08
873	490436.7	3860785.1	3.59E-07	1.95E-07	-1.65E-07	1.36E-07	7.59E-08	-6.04E-08	6.93E-08	3.86E-08	-3.07E-08	1.36E-07	7.59E-08	-6.04E-08
874	490486.7	3860785.1	3.68E-07	1.99E-07	-1.69E-07	1.40E-07	7.78E-08	-6.19E-08	7.11E-08	3.96E-08	-3.15E-08	1.40E-07	7.78E-08	-6.19E-08
875	490536.7	3860785.1	3.77E-07	2.04E-07	-1.73E-07	1.43E-07	7.96E-08	-6.34E-08	7.27E-08	4.05E-08	-3.22E-08	1.43E-07	7.96E-08	-6.34E-08
876	490586.7	3860785.1	3.86E-07	2.09E-07	-1.77E-07	1.46E-07	8.15E-08	-6.49E-08	7.45E-08	4.15E-08	-3.30E-08	1.46E-07	8.15E-08	-6.49E-08
877	490636.7	3860785.1	3.96E-07	2.14E-07	-1.81E-07	1.50E-07	8.37E-08	-6.65E-08	7.64E-08	4.25E-08	-3.38E-08	1.50E-07	8.37E-08	-6.65E-08
878	490686.7	3860785.1	4.06E-07	2.20E-07	-1.86E-07	1.54E-07	8.59E-08	-6.82E-08	7.84E-08	4.37E-08	-3.47E-08	1.54E-07	8.59E-08	-6.82E-08
879	490736.7	3860785.1	4.18E-07	2.27E-07	-1.91E-07	1.59E-07	8.85E-08	-7.01E-08	8.06E-08	4.50E-08	-3.56E-08	1.59E-07	8.85E-08	-7.01E-08
880	490086.7	3860835.1	2.98E-07	1.62E-07	-1.37E-07	1.13E-07	6.30E-08	-5.01E-08	5.75E-08	3.20E-08	-2.55E-08	1.13E-07	6.30E-08	-5.01E-08
881	490136.7	3860835.1	3.04E-07	1.65E-07	-1.39E-07	1.15E-07	6.43E-08	-5.11E-08	5.86E-08	3.27E-08	-2.60E-08	1.15E-07	6.43E-08	-5.11E-08
882	490186.7	3860835.1	3.10E-07	1.68E-07	-1.42E-07	1.18E-07	6.55E-08	-5.21E-08	5.98E-08	3.33E-08	-2.65E-08	1.18E-07	6.55E-08	-5.21E-08
883	490236.7	3860835.1	3.16E-07	1.71E-07	-1.45E-07	1.20E-07	6.68E-08	-5.31E-08	6.10E-08	3.40E-08	-2.70E-08	1.20E-07	6.68E-08	-5.31E-08
884	490286.7	3860835.1	3.23E-07	1.75E-07	-1.48E-07	1.22E-07	6.82E-08	-5.43E-08	6.23E-08	3.47E-08	-2.76E-08	1.22E-07	6.82E-08	-5.43E-08
885	490336.7	3860835.1	3.30E-07	1.78E-07	-1.51E-07	1.25E-07	6.96E-08	-5.55E-08	6.36E-08	3.54E-08	-2.82E-08	1.25E-07	6.96E-08	-5.55E-08
886	490386.7	3860835.1	3.37E-07	1.82E-07	-1.54E-07	1.28E-07	7.11E-08	-5.67E-08	6.50E-08	3.62E-08	-2.88E-08	1.28E-07	7.11E-08	-5.67E-08
887	490436.7	3860835.1	3.45E-07	1.87E-07	-1.58E-07	1.31E-07	7.28E-08	-5.79E-08	6.65E-08	3.70E-08	-2.95E-08	1.31E-07	7.28E-08	-5.79E-08
888	490486.7	3860835.1	3.53E-07	1.91E-07	-1.62E-07	1.34E-07	7.44E-08	-5.93E-08	6.80E-08	3.79E-08	-3.02E-08	1.34E-07	7.44E-08	-5.93E-08
889	490536.7	3860835.1	3.61E-07	1.96E-07	-1.66E-07	1.37E-07	7.63E-08	-6.08E-08	6.97E-08	3.88E-08	-3.09E-08	1.37E-07	7.63E-08	-6.08E-08
890	490586.7	3860835.1	3.70E-07	2.00E-07	-1.70E-07	1.40E-07	7.81E-08	-6.22E-08	7.13E-08	3.97E-08	-3.16E-08	1.40E-07	7.81E-08	-6.22E-08
891	490636.7	3860835.1	3.79E-07	2.05E-07	-1.73E-07	1.44E-07	8.01E-08	-6.36E-08	7.31E-08	4.07E-08	-3.24E-08	1.44E-07	8.01E-08	-6.36E-08
892	490686.7	3860835.1	3.89E-07	2.11E-07	-1.78E-07	1.47E-07	8.22E-08	-6.53E-08	7.50E-08	4.18E-08	-3.32E-08	1.47E-07	8.22E-08	-6.53E-08
893	490736.7	3860835.1	4.00E-07	2.17E-07	-1.83E-07	1.52E-07	8.46E-08	-6.71E-08	7.72E-08	4.30E-08	-3.41E-08	1.52E-07	8.46E-08	-6.71E-08
894	490086.7	3860885.1	2.88E-07	1.56E-07	-1.32E-07	1.09E-07	6.08E-08	-4.84E-08	5.55E-08	3.09E-08	-2.46E-08	1.09E-07	6.08E-08	-4.84E-08
895	490136.7	3860885.1	2.93E-07	1.59E-07	-1.34E-07	1.11E-07	6.20E-08	-4.93E-08	5.66E-08	3.15E-08	-2.51E-08	1.11E-07	6.20E-08	-4.93E-08
896	490186.7	3860885.1	2.99E-07	1.62E-07	-1.37E-07	1.13E-07	6.31E-08	-5.02E-08	5.76E-08	3.21E-08	-2.55E-08	1.13E-07	6.31E-08	-5.02E-08
897	490236.7	3860885.1	3.04E-07	1.65E-07	-1.40E-07	1.15E-07	6.43E-08	-5.12E-08	5.87E-08	3.27E-08	-2.60E-08	1.15E-07	6.43E-08	-5.12E-08
898	490286.7	3860885.1	3.10E-07	1.68E-07	-1.42E-07	1.18E-07	6.56E-08	-5.22E-08	5.99E-08	3.33E-08	-2.65E-08	1.18E-07	6.56E-08	-5.22E-08
899	490336.7	3860885.1	3.17E-07	1.71E-07	-1.45E-07	1.20E-07	6.69E-08	-5.33E-08	6.11E-08	3.40E-08	-2.71E-08	1.20E-07	6.69E-08	-5.33E-08
900	490386.7	3860885.1	3.23E-07	1.75E-07	-1.48E-07	1.23E-07	6.83E-08	-5.44E-08	6.24E-08	3.47E-08	-2.77E-08	1.23E-07	6.83E-08	-5.44E-08
901	490436.7	3860885.1	3.31E-07	1.79E-07	-1.52E-07	1.25E-07	6.98E-08	-5.56E-08	6.38E-08	3.55E-08	-2.83E-08	1.25E-07	6.98E-08	-5.56E-08
902	490486.7	3860885.1	3.38E-07	1.83E-07	-1.55E-07	1.28E-07	7.14E-08	-5.68E-08	6.52E-08	3.63E-08	-2.89E-08	1.28E-07	7.14E-08	-5.68E-08
903	490536.7	3860885.1	3.46E-07	1.87E-07	-1.59E-07	1.31E-07	7.30E-08	-5.82E-08	6.67E-08	3.71E-08	-2.96E-08	1.31E-07	7.30E-08	-5.82E-08
904	490586.7	3860885.1	3.54E-07	1.92E-07	-1.62E-07	1.34E-07	7.48E-08	-5.95E-08	6.83E-08	3.80E-08	-3.03E-08	1.34E-07	7.48E-08	-5.95E-08
905	490636.7	3860885.1	3.63E-07	1.96E-07	-1.66E-07	1.38E-07	7.66E-08	-6.10E-08	6.99E-08	3.89E-08	-3.10E-08	1.38E-07	7.66E-08	-6.10E-08
906	490686.7	3860885.1	3.72E-07	2.01E-07	-1.70E-07	1.41E-07	7.85E-08	-6.24E-08	7.17E-08	3.99E-08	-3.17E-08	1.41E-07	7.85E-08	-6.24E-08
907	490736.7	3860885.1	3.81E-07	2.07E-07	-1.75E-07	1.45E-07	8.07E-08	-6.40E-08	7.36E-08	4.10E-08	-3.26E-08	1.45E-07	8.07E-08	-6.40E-08
908	490086.7	3860935.1	2.78E-07	1.51E-07	-1.27E-07	1.05E-07	5.87E-08	-4.67E-08	5.36E-08	2.99E-08	-2.37E-08	1.05E-07	5.87E-08	-4.67E-08
909	490136.7	3860935.1	2.83E-07	1.53E-07	-1.30E-07	1.07E-07	5.98E-08	-4.75E-08	5.46E-08	3.04E-08	-2.42E-08	1.07E-07	5.98E-08	-4.75E-08
910	490186.7	3860935.1	2.88E-07	1.56E-07	-1.32E-07	1.09E-07	6.08E-08	-4.83E-08	5.55E-08	3.09E-08	-2.46E-08	1.09E-07	6.08E-08	-4.83E-08
911	490236.7	3860935.1	2.93E-07	1.59E-07	-1.34E-07	1.11E-07	6.20E-08	-4.92E-08	5.66E-08	3.15E-08	-2.50E-08	1.11E-07	6.20E-08	-4.92E-08
912	490286.7	3860935.1	2.99E-07	1.62E-07	-1.37E-07	1.13E-07	6.32E-08	-5.02E-08	5.77E-08	3.21E-08	-2.55E-08	1.13E-07	6.32E-08	-5.02E-08
913	490336.7	3860935.1	3.05E-07	1.65E-07	-1.40E-07	1.16E-07	6.44E-08	-5.13E-08	5.88E-08	3.28E-08	-2.61E-08	1.16E-07	6.44E-08	-5.13E-08
914	490386.7	3860935.1	3.11E-07	1.68E-07	-1.43E-07	1.18E-07	6.57E-08	-5.24E-08	6.00E-08	3.34E-08	-2.66E-08	1.18E-07	6.57E-08	-5.24E-08
915	490436.7	3860935.1	3.18E-07	1.72E-07	-1.46E-07	1.21E-07	6.71E-08	-5.35E-08	6.13E-08	3.41E-08	-2.72E-08	1.21E-07	6.71E-08	-5.35E-08
916	490486.7	3860935.1	3.25E-07	1.76E-07	-1.49E-07	1.23E-07	6.85E-08	-5.46E-08	6.26E-08	3.49E-08	-2.78E-08	1.23E-07	6.85E-08	-5.46E-08
917	490536.7	3860935.1	3.32E-07	1.80E-07	-1.52E-07	1.26E-07	7.01E-08	-5.58E-08	6.40E-08	3.56E-08	-2.84E-08	1.26E-07	7.01E-08	-5.58E-08
918	490586.7	3860935.1	3.39E-07	1.84E-07	-1.56E-07	1.29E-07	7.16E-08	-5.70E-08	6.54E-08	3.64E-08	-2.90E-08	1.29E-07	7.16E-08	-5.70E-08
919	490636.7	3860935.1	3.47E-07	1.88E-07	-1.59E-07	1.32E-07	7.33E-08	-5.84E-08	6.70E-08	3.73E-08	-2.97E-08	1.32E-07	7.33E-08	-5.84E-08
920	490686.7	3860935.1	3.56E-07	1.93E-07	-1.63E-07	1.35E-07	7.52E-08	-5.98E-08	6.86E-08	3.82E-08	-3.04E-08	1.35E-07	7.52E-08	-5.98E-08
921	490736.7	3860935.1	3.65E-07	1.98E-07	-1.67E-07	1.38E-07	7.71E-08	-6.13E-08	7.04E-08	3.92E-08	-3.12E-08	1.38E-07	7.71E-08	-6.13E-08
922	490786.7	3860935.1	3.74E-07	2.03E-07	-1.71E-07	1.42E-07	7.91E-08	-6.28E-08	7.22E-08	4.02E-08	-3.19E-08	1.42E-07	7.91E-08	-6.28E-08
923	490836.7	3860935.1	3.85E-07	2.09E-07	-1.76E-07	1.46E-07	8.15E-08	-6.46E-08	7.43E-08	4.14E-08	-3.29E-08	1.46E-07	8.15E-08	-6.46E-08
924	490086.7	3860985.1	2.69E-07	1.46E-07	-1.23E-07	1.02E-07	5.70E-08	-4.52E-08	5.20E-08	2.90E-08	-2.30E-08	1.02E-07	5.70E-08	-4.52E-08
925	490136.7	3860985.1	2.74E-07	1.48E-07	-1.25E-07	1.04E-07	5.79E-08	-4.60E-08	5.28E-08	2.94E-08	-2.34E-08	1.04E-07	5.79E-08	-4.60E-08
926	490186.7	3860985.1	2.79E-07	1.51E-07	-1.28E-07	1.06E-07	5.89E-08	-4.68E-08	5.38E-08	3.00E-08	-2.38E-08	1.06E-07	5.89E-08	-4.68E-08
927	490236.7	3860985.1	2.83E-07	1.54E-07	-1.30E-07	1.07E-07	5.99E-08	-4.76E-08	5.46E-08	3.05E-08	-2.42E-08	1.07E-07	5.99E-08	-4.76E-08
928	490286.7	3860985.1	2.89E-07	1.56E-07	-1.32E-07	1.10E-07	6.10E-08	-4.85E-08	5.57E-08	3.10E-08	-2.47E-08	1.10E-07	6.10E-08	-4.85E-08
929	490336.7	3860985.1	2.94E-07	1.59E-07	-1.35E-07	1.12E-07	6.21E-08	-4.94E-08	5.67E-08	3.16E-08	-2.51E-08	1.12E-07	6.21E-08	-4.94E-08
930	490386.7	3860985.1	3.00E-07	1.62E-07	-1.38E-07	1.14E-07	6.33E-08	-5.04E-08	5.79E-08	3.22E-08	-2.56E-08	1.14E-07	6.33E-08	-5.04E-08
931	490436.7	3860985.1	3.06E-07	1.66E-07	-1.40E-07	1.16E-07	6.47E-08	-5.15E-08	5.91E-08	3.29E-08	-2.62E-08	1.16E-07	6.47E-08	-5.15E-08
932	490486.7	3860985.1	3.13E-07	1.69E-07	-1.43E-07	1.19E-07	6.60E-08	-5.26E-08	6.03E-08	3.36E-08	-2.67E-08	1.19E-07	6.60E-08	-5.26E-08
933	490536.7	3860985.1	3.19E-07	1.73E-07	-1.46E-07	1.21E-07	6.73E-08	-5.36E-08	6.15E-08	3.42E-08	-2.73E-08	1.21E-07	6.73E-08	-5.36E-08
934	490586.7	3860985.1	3.26E-07	1.76E-07	-1.50E-07	1.24E-07	6.88E-08	-5.49E-08	6.29E-08	3.50E-08	-2.79E-08	1.24E-07	6.88E-08	-5.49E-08
935	490636.7	3860985.1	3.33E-07	1.80E-07	-1.53E-07	1.26E-07	7.04E-08	-5.61E-08	6.43E-08	3.58E-08	-2.85E-08	1.26E-07	7.04E-08	-5.61E-08
936	490686.7	3860985.1	3.41E-07	1.85E-07	-1.56E-07	1.29E-07	7.20E-08	-5.73E-08	6.58E-08	3.66E-08	-2.92E-08	1.29E-07	7.20E-08	-5.73E-08
937	490736.7	3860985.1	3.49E-07	1.89E-07	-1.60E-07	1.32E-07	7.37E-08	-5.87E-08	6.73E-08	3.75E-08	-2.98E-08	1.32E-07	7.37E-08	-5.87E-08
938	490786.7	3860985.1	3.58E-07	1.94E-07	-1.64E-07	1.36E-07	7.56E-08	-6.02E-08	6.91E-08	3.85E-08	-3.06E-08	1.36E-07	7.56E-08	-6.02E-08

939	490836.7	3860985.1	3.67E-07	1.99E-07	-1.68E-07	1.39E-07	7.77E-08	-6.17E-08	7.09E-08	3.95E-08	-3.14E-08	1.39E-07	7.77E-08	-6.17E-08
940	490086.7	3861035.1	2.61E-07	1.41E-07	-1.19E-07	9.89E-08	5.52E-08	-4.37E-08	5.03E-08	2.81E-08	-2.22E-08	9.89E-08	5.52E-08	-4.37E-08
941	490136.7	3861035.1	2.65E-07	1.44E-07	-1.21E-07	1.01E-07	5.61E-08	-4.45E-08	5.12E-08	2.86E-08	-2.26E-08	1.01E-07	5.61E-08	-4.45E-08
942	490186.7	3861035.1	2.70E-07	1.46E-07	-1.23E-07	1.02E-07	5.71E-08	-4.53E-08	5.20E-08	2.90E-08	-2.30E-08	1.02E-07	5.71E-08	-4.53E-08
943	490236.7	3861035.1	2.75E-07	1.49E-07	-1.26E-07	1.04E-07	5.81E-08	-4.62E-08	5.30E-08	2.95E-08	-2.35E-08	1.04E-07	5.81E-08	-4.62E-08
944	490286.7	3861035.1	2.79E-07	1.51E-07	-1.28E-07	1.06E-07	5.90E-08	-4.69E-08	5.39E-08	3.00E-08	-2.39E-08	1.06E-07	5.90E-08	-4.69E-08
945	490336.7	3861035.1	2.84E-07	1.54E-07	-1.30E-07	1.08E-07	6.01E-08	-4.77E-08	5.48E-08	3.06E-08	-2.43E-08	1.08E-07	6.01E-08	-4.77E-08
946	490386.7	3861035.1	2.90E-07	1.57E-07	-1.33E-07	1.10E-07	6.13E-08	-4.87E-08	5.60E-08	3.12E-08	-2.48E-08	1.10E-07	6.13E-08	-4.87E-08
947	490436.7	3861035.1	2.95E-07	1.60E-07	-1.35E-07	1.12E-07	6.24E-08	-4.96E-08	5.70E-08	3.18E-08	-2.52E-08	1.12E-07	6.24E-08	-4.96E-08
948	490486.7	3861035.1	3.01E-07	1.63E-07	-1.38E-07	1.14E-07	6.36E-08	-5.07E-08	5.81E-08	3.24E-08	-2.58E-08	1.14E-07	6.36E-08	-5.07E-08
949	490536.7	3861035.1	3.08E-07	1.66E-07	-1.41E-07	1.17E-07	6.49E-08	-5.18E-08	5.93E-08	3.30E-08	-2.63E-08	1.17E-07	6.49E-08	-5.18E-08
950	490586.7	3861035.1	3.14E-07	1.70E-07	-1.44E-07	1.19E-07	6.63E-08	-5.28E-08	6.06E-08	3.37E-08	-2.69E-08	1.19E-07	6.63E-08	-5.28E-08
951	490636.7	3861035.1	3.21E-07	1.73E-07	-1.47E-07	1.22E-07	6.77E-08	-5.40E-08	6.19E-08	3.44E-08	-2.74E-08	1.22E-07	6.77E-08	-5.40E-08
952	490686.7	3861035.1	3.27E-07	1.77E-07	-1.50E-07	1.24E-07	6.92E-08	-5.50E-08	6.32E-08	3.52E-08	-2.80E-08	1.24E-07	6.92E-08	-5.50E-08
953	490736.7	3861035.1	3.35E-07	1.81E-07	-1.54E-07	1.27E-07	7.07E-08	-5.64E-08	6.46E-08	3.60E-08	-2.87E-08	1.27E-07	7.07E-08	-5.64E-08
954	490786.7	3861035.1	3.43E-07	1.86E-07	-1.57E-07	1.30E-07	7.24E-08	-5.76E-08	6.61E-08	3.68E-08	-2.93E-08	1.30E-07	7.24E-08	-5.76E-08
955	490836.7	3861035.1	3.51E-07	1.90E-07	-1.61E-07	1.33E-07	7.42E-08	-5.90E-08	6.78E-08	3.78E-08	-3.00E-08	1.33E-07	7.42E-08	-5.90E-08
956	490086.7	3861085.1	2.54E-07	1.38E-07	-1.16E-07	9.62E-08	5.36E-08	-4.25E-08	4.89E-08	2.73E-08	-2.16E-08	9.62E-08	5.36E-08	-4.25E-08
957	490136.7	3861085.1	2.58E-07	1.40E-07	-1.18E-07	9.77E-08	5.45E-08	-4.32E-08	4.97E-08	2.77E-08	-2.20E-08	9.77E-08	5.45E-08	-4.32E-08
958	490186.7	3861085.1	2.62E-07	1.42E-07	-1.20E-07	9.94E-08	5.55E-08	-4.40E-08	5.06E-08	2.82E-08	-2.24E-08	9.94E-08	5.55E-08	-4.40E-08
959	490236.7	3861085.1	2.66E-07	1.44E-07	-1.22E-07	1.01E-07	5.63E-08	-4.46E-08	5.13E-08	2.86E-08	-2.27E-08	1.01E-07	5.63E-08	-4.46E-08
960	490286.7	3861085.1	2.71E-07	1.47E-07	-1.24E-07	1.03E-07	5.72E-08	-4.54E-08	5.22E-08	2.91E-08	-2.31E-08	1.03E-07	5.72E-08	-4.54E-08
961	490336.7	3861085.1	2.75E-07	1.49E-07	-1.26E-07	1.04E-07	5.82E-08	-4.62E-08	5.31E-08	2.96E-08	-2.35E-08	1.04E-07	5.82E-08	-4.62E-08
962	490386.7	3861085.1	2.81E-07	1.52E-07	-1.28E-07	1.06E-07	5.93E-08	-4.71E-08	5.41E-08	3.02E-08	-2.40E-08	1.06E-07	5.93E-08	-4.71E-08
963	490436.7	3861085.1	2.86E-07	1.55E-07	-1.31E-07	1.08E-07	6.04E-08	-4.79E-08	5.51E-08	3.07E-08	-2.44E-08	1.08E-07	6.04E-08	-4.79E-08
964	490486.7	3861085.1	2.91E-07	1.58E-07	-1.34E-07	1.11E-07	6.15E-08	-4.90E-08	5.62E-08	3.13E-08	-2.49E-08	1.11E-07	6.15E-08	-4.90E-08
965	490536.7	3861085.1	2.97E-07	1.61E-07	-1.36E-07	1.13E-07	6.27E-08	-4.99E-08	5.73E-08	3.19E-08	-2.54E-08	1.13E-07	6.27E-08	-4.99E-08
966	490586.7	3861085.1	3.03E-07	1.64E-07	-1.39E-07	1.15E-07	6.39E-08	-5.09E-08	5.84E-08	3.25E-08	-2.59E-08	1.15E-07	6.39E-08	-5.09E-08
967	490636.7	3861085.1	3.09E-07	1.67E-07	-1.42E-07	1.17E-07	6.52E-08	-5.20E-08	5.96E-08	3.32E-08	-2.64E-08	1.17E-07	6.52E-08	-5.20E-08
968	490686.7	3861085.1	3.15E-07	1.71E-07	-1.45E-07	1.20E-07	6.66E-08	-5.30E-08	6.08E-08	3.39E-08	-2.70E-08	1.20E-07	6.66E-08	-5.30E-08
969	490736.7	3861085.1	3.22E-07	1.74E-07	-1.48E-07	1.22E-07	6.80E-08	-5.42E-08	6.21E-08	3.46E-08	-2.75E-08	1.22E-07	6.80E-08	-5.42E-08
970	490786.7	3861085.1	3.29E-07	1.78E-07	-1.51E-07	1.25E-07	6.95E-08	-5.53E-08	6.35E-08	3.54E-08	-2.81E-08	1.25E-07	6.95E-08	-5.53E-08
971	490836.7	3861085.1	3.37E-07	1.82E-07	-1.54E-07	1.28E-07	7.12E-08	-5.66E-08	6.50E-08	3.62E-08	-2.88E-08	1.28E-07	7.12E-08	-5.66E-08
972	490086.7	3861135.1	2.46E-07	1.34E-07	-1.13E-07	9.35E-08	5.22E-08	-4.13E-08	4.75E-08	2.65E-08	-2.10E-08	9.35E-08	5.22E-08	-4.13E-08
973	490136.7	3861135.1	2.50E-07	1.36E-07	-1.14E-07	9.48E-08	5.30E-08	-4.18E-08	4.82E-08	2.69E-08	-2.13E-08	9.48E-08	5.30E-08	-4.18E-08
974	490186.7	3861135.1	2.54E-07	1.38E-07	-1.16E-07	9.65E-08	5.38E-08	-4.27E-08	4.91E-08	2.74E-08	-2.17E-08	9.65E-08	5.38E-08	-4.27E-08
975	490236.7	3861135.1	2.58E-07	1.40E-07	-1.18E-07	9.81E-08	5.47E-08	-4.34E-08	4.99E-08	2.78E-08	-2.21E-08	9.81E-08	5.47E-08	-4.34E-08
976	490286.7	3861135.1	2.63E-07	1.42E-07	-1.20E-07	9.96E-08	5.56E-08	-4.40E-08	5.07E-08	2.83E-08	-2.24E-08	9.96E-08	5.56E-08	-4.40E-08
977	490336.7	3861135.1	2.67E-07	1.45E-07	-1.22E-07	1.01E-07	5.65E-08	-4.48E-08	5.15E-08	2.87E-08	-2.28E-08	1.01E-07	5.65E-08	-4.48E-08
978	490386.7	3861135.1	2.72E-07	1.47E-07	-1.25E-07	1.03E-07	5.75E-08	-4.57E-08	5.25E-08	2.92E-08	-2.32E-08	1.03E-07	5.75E-08	-4.57E-08
979	490436.7	3861135.1	2.77E-07	1.50E-07	-1.27E-07	1.05E-07	5.85E-08	-4.64E-08	5.33E-08	2.97E-08	-2.36E-08	1.05E-07	5.85E-08	-4.64E-08
980	490486.7	3861135.1	2.82E-07	1.53E-07	-1.29E-07	1.07E-07	5.96E-08	-4.74E-08	5.44E-08	3.03E-08	-2.41E-08	1.07E-07	5.96E-08	-4.74E-08
981	490536.7	3861135.1	2.87E-07	1.56E-07	-1.31E-07	1.09E-07	6.07E-08	-4.82E-08	5.53E-08	3.08E-08	-2.45E-08	1.09E-07	6.07E-08	-4.82E-08
982	490586.7	3861135.1	2.93E-07	1.58E-07	-1.34E-07	1.11E-07	6.18E-08	-4.92E-08	5.65E-08	3.14E-08	-2.50E-08	1.11E-07	6.18E-08	-4.92E-08
983	490636.7	3861135.1	2.98E-07	1.61E-07	-1.37E-07	1.13E-07	6.30E-08	-5.01E-08	5.75E-08	3.20E-08	-2.55E-08	1.13E-07	6.30E-08	-5.01E-08
984	490686.7	3861135.1	3.04E-07	1.65E-07	-1.39E-07	1.15E-07	6.42E-08	-5.11E-08	5.86E-08	3.27E-08	-2.60E-08	1.15E-07	6.42E-08	-5.11E-08
985	490736.7	3861135.1	3.10E-07	1.68E-07	-1.42E-07	1.18E-07	6.56E-08	-5.22E-08	5.99E-08	3.33E-08	-2.65E-08	1.18E-07	6.56E-08	-5.22E-08
986	490786.7	3861135.1	3.17E-07	1.72E-07	-1.45E-07	1.20E-07	6.69E-08	-5.33E-08	6.12E-08	3.40E-08	-2.71E-08	1.20E-07	6.69E-08	-5.33E-08
987	490836.7	3861135.1	3.24E-07	1.76E-07	-1.49E-07	1.23E-07	6.85E-08	-5.45E-08	6.26E-08	3.48E-08	-2.77E-08	1.23E-07	6.85E-08	-5.45E-08
988	490086.7	3861185.1	2.40E-07	1.30E-07	-1.09E-07	9.09E-08	5.08E-08	-4.01E-08	4.62E-08	2.58E-08	-2.04E-08	9.09E-08	5.08E-08	-4.01E-08
989	490136.7	3861185.1	2.43E-07	1.32E-07	-1.11E-07	9.21E-08	5.14E-08	-4.07E-08	4.68E-08	2.62E-08	-2.07E-08	9.21E-08	5.14E-08	-4.07E-08
990	490186.7	3861185.1	2.47E-07	1.34E-07	-1.13E-07	9.36E-08	5.23E-08	-4.14E-08	4.76E-08	2.66E-08	-2.10E-08	9.36E-08	5.23E-08	-4.14E-08
991	490236.7	3861185.1	2.51E-07	1.36E-07	-1.15E-07	9.52E-08	5.31E-08	-4.20E-08	4.84E-08	2.70E-08	-2.14E-08	9.52E-08	5.31E-08	-4.20E-08
992	490286.7	3861185.1	2.55E-07	1.38E-07	-1.16E-07	9.67E-08	5.40E-08	-4.27E-08	4.92E-08	2.75E-08	-2.17E-08	9.67E-08	5.40E-08	-4.27E-08
993	490336.7	3861185.1	2.59E-07	1.40E-07	-1.18E-07	9.82E-08	5.48E-08	-4.34E-08	5.00E-08	2.79E-08	-2.21E-08	9.82E-08	5.48E-08	-4.34E-08
994	490386.7	3861185.1	2.63E-07	1.43E-07	-1.20E-07	9.99E-08	5.58E-08	-4.42E-08	5.08E-08	2.84E-08	-2.25E-08	9.99E-08	5.58E-08	-4.42E-08
995	490436.7	3861185.1	2.68E-07	1.45E-07	-1.23E-07	1.02E-07	5.67E-08	-4.49E-08	5.17E-08	2.88E-08	-2.29E-08	1.02E-07	5.67E-08	-4.49E-08
996	490486.7	3861185.1	2.73E-07	1.48E-07	-1.25E-07	1.04E-07	5.77E-08	-4.59E-08	5.27E-08	2.93E-08	-2.33E-08	1.04E-07	5.77E-08	-4.59E-08
997	490536.7	3861185.1	2.78E-07	1.51E-07	-1.27E-07	1.05E-07	5.87E-08	-4.67E-08	5.36E-08	2.99E-08	-2.37E-08	1.05E-07	5.87E-08	-4.67E-08
998	490586.7	3861185.1	2.83E-07	1.53E-07	-1.30E-07	1.07E-07	5.98E-08	-4.76E-08	5.46E-08	3.04E-08	-2.42E-08	1.07E-07	5.98E-08	-4.76E-08
999	490636.7	3861185.1	2.88E-07	1.56E-07	-1.32E-07	1.09E-07	6.09E-08	-4.84E-08	5.56E-08	3.10E-08	-2.46E-08	1.09E-07	6.09E-08	-4.84E-08
1000	490686.7	3861185.1	2.94E-07	1.59E-07	-1.35E-07	1.11E-07	6.20E-08	-4.93E-08	5.66E-08	3.16E-08	-2.51E-08	1.11E-07	6.20E-08	-4.93E-08
1001	490736.7	3861185.1	3.00E-07	1.62E-07	-1.38E-07	1.14E-07	6.33E-08	-5.05E-08	5.79E-08	3.22E-08	-2.57E-08	1.14E-07	6.33E-08	-5.05E-08
1002	490786.7	3861185.1	3.06E-07	1.66E-07	-1.40E-07	1.16E-07	6.46E-08	-5.14E-08	5.90E-08	3.28E-08	-2.61E-08	1.16E-07	6.46E-08	-5.14E-08
1003	490836.7	3861185.1	3.13E-07	1.69E-07	-1.43E-07	1.19E-07	6.60E-08	-5.26E-08	6.03E-08	3.36E-08	-2.67E-08	1.19E-07	6.60E-08	-5.26E-08
1004	490086.7	3861235.1	2.33E-07	1.27E-07	-1.06E-07	8.83E-08	4.94E-08	-3.90E-08	4.49E-08	2.51E-08	-1.98E-08	8.83E-08	4.94E-08	-3.90E-08
1005	490136.7	3861235.1	2.36E-07	1.28E-07	-1.08E-07	8.97E-08	5.01E-08	-3.96E-08	4.56E-08	2.55E-08	-2.01E-08	8.97E-08	5.01E-08	-3.96E-08
1006	490186.7	3861235.1	2.40E-07	1.30E-07	-1.10E-07	9.11E-08	5.09E-08	-4.02E-08	4.63E-08	2.59E-08	-2.04E-08	9.11E-08	5.09E-08	-4.02E-08
1007	490236.7	3861235.1	2.44E-07	1.32E-07	-1.11E-07	9.24E-08	5.16E-08	-4.08E-08	4.70E-08	2.63E-08	-2.07E-08	9.24E-08	5.16E-08	-4.08E-08
1008	490386.7	3861235.1	2.55E-07	1.39E-07	-1.17E-07	9.69E-08	5.41E-08	-4.28E-08	4.93E-08	2.75E-08	-2.18E-08	9.69E-08	5.41E-08	-4.28E-08
1009	490436.7	3861235.1	2.60E-07	1.41E-07	-1.19E-07	9.86E-08	5.50E-08	-4.36E-08	5.01E-08	2.80E-08	-2.22E-08	9.86E-08	5.50E-08	-4.36E-08
1010	490486.7	3861235.1	2.64E-07	1.43E-07	-1.21E-07	1.00E-07	5.59E-08	-4.44E-08	5.10E-08	2.84E-08	-2.26E-08	1.00E-07	5.59E-08	-4.44E-08
1011	490536.7	3861235.1	2.69E-07	1.46E-07	-1.23E-07	1.02E-07	5.70E-08	-4.52E-08	5.20E-08	2.90E-08	-2.30E-08	1.02E-07	5.70E-08	-4.52E-08
1012	490586.7	3861235.1	2.74E-07	1.49E-07	-1.26E-07	1.04E-07	5.80E-08	-4.61E-08	5.29E-08	2.95E-08	-2.34E-08	1.04E-07	5.80E-08	-4.61E-08
1013	490636.7	3861235.1	2.79E-07	1.51E-07	-1.28E-07	1.06E-07	5.89E-08	-4.68E-08	5.38E-08	3.00E-08	-2.38E-08	1.06E-07	5.89E-08	-4.68E-08
1014	490686.7	3861235.1	2.84E-07	1.54E-07	-1.30E-07	1.08E-07	6.00E-08	-4.78E-08	5.48E-08	3.05E-08	-2.43E-08	1.08E-07	6.00E-08	-4.78E-08
1015	490736.7	3861235.1	2.90E-07	1.57E-07	-1.33E-07	1.10E-07	6.12E-08	-4.87E-08	5.59E-08	3.11E-08	-2.48E-08	1.10E-07	6.12E-08	-4.87E-08
1016	490786.7	3861235.1	2.95E-07	1.60E-07	-1.35E-07	1.12E-07	6.24E-08	-4.96E-08	5.70E-08	3.18E-08	-2.52E-08	1.12E-07	6.24E-08	-4.96E-08
1017	490836.7	3861235.1	3.02E-07	1.63E-07	-1.38E-07	1.14E-07	6.37E-08	-5.07E-08	5.82E-08	3.24E-08	-2.58E-08	1.14E-07	6.37E-08	-5.07E-08
1018	490086.7	3861285.1	2.27E-07	1.23E-07	-1.04E-07	8.61E-08	4.81E-08	-3.80E-08	4.38E-08	2.45E-08	-1.93E-08	8.61E-08	4.81E-08	-3.80E-08
1019	490136.7	3861285.1	2.30E-07	1.25E-07	-1.05E-07	8.73E-08	4.88E-08	-3.85E-08	4.44E-08	2.48E-08	-1.96E-08	8.73E-08	4.88E-08	-3.85E-08
1020	490186.7	3861285.1	2.33E-07	1.27E-07	-1.06E-07	8.85E-08	4.95E-08	-3.90E-08	4.50E-08	2.52E-08	-1.98E-08	8.85E-08	4.95E-08	-3.90E-08
1021	490236.7	3861285.1	2.37E-07	1.29E-07	-1.08E-07	8.99E-08	5.02E-08	-3.96E-08	4.57E-08	2.55E-08	-2.02E-08	8.99E-08	5.02E-08	-3.96E-08
1022	490386.7	3861285.1	2.48E-07	1.35E-07	-1.13E-07	9.41E-08	5.25E-08	-4.16E-08	4.79E-08	2.67E-08	-2.12E-08	9.41E-08	5.25E-08	-4.16E-08
1023	490436.7	3861285.1	2.52E-07	1.37E-07	-1.15E-07	9.57E-08	5.34E-08	-4.23E-08	4.87E-08	2.72E-08	-2.15E-08	9.57E-08	5.34E-08	-4.23E-08
1024	490486.7	3861285.1	2.56E-07	1.39E-07	-1.17E-07	9.72E-08	5.43E-08	-4.29E-08	4.94E-08	2.76E-08	-2.18E-08	9.72E-08	5.43E-08	-4.29E-08
1025	490536.7	3861285.1	2.61E-07	1.41E-07	-1.19E-07	9.89E-08	5.52E-08	-4.37E-08	5.03E-08	2.81E-08	-2.22E-08	9.89E-08	5.52E-08	-4.37E-08
1026	490586.7	3861285.1	2.66E-07	1.44E-07	-1.22E-07	1.01E-07	5.62E-08	-4.46E-08	5.13E-08	2.86E-08	-2.27E-08	1.01E-07	5.62E-08	-4.46E-08
1027	490636.7	3861285.1	2.70E-07	1.46E-07	-1.24E-07	1.03E-07	5.71E-08	-4.54E-08	5.21E-08	2.90E-08	-2.31E-08	1.03E-07	5.71E-08	-4.54E-08
1028	490686.7	3861285.1	2.75E-07	1.49E-07	-1.26E-07	1.04E-07	5.81E-08	-4.61E-08	5.30E-08	2.96E-08	-2.34E-08	1.04E-07	5.81E-08	-4.61E-08
1029	490736.7	3861285.1	2.81E-07	1.52E-07	-1.29E-07	1.06E-07	5.93E-08	-4.72E-08	5.41E-08	3.01E-08	-2.40E-08	1.06E-07	5.93E-08	-4.72E-08
1030	490786.7	3861285.1	2.86E-07	1.55E-07	-1.31E-07	1.08E-07	6.03E-08	-4.80E-08	5.51E-08	3.07E-08	-2.44E-08	1.08E-07	6.03E-08	-4.80E-08
1031	490836.7	3861285.1	2.91E-07	1.58E-07	-1.33E-07	1.10E-07	6.15E-08	-4.89E-08	5.61E-08	3.13E-08	-2.49E-08	1.10E-07	6.15E-08	-4.89E-08
1032	490061.2	3859716.1	2.46E-06	1.34E-06	-1.12E-06	9.33E-07	5.22E-07	-4.11E-07	4.74E-07	2.65E-07	-2.09E-07	9.33E-07	5.22E-07	-4.11E-07

1033	490111.2	3859716.1	2.98E-06	1.62E-06	-1.36E-06	1.13E-06	6.33E-07	-4.97E-07	5.75E-07	3.22E-07	-2.53E-07	1.13E-06	6.33E-07	-4.97E-07
1034	490161.2	3859716.1	3.73E-06	2.03E-06	-1.70E-06	1.42E-06	7.94E-07	-6.22E-07	7.20E-07	4.04E-07	-3.16E-07	1.42E-06	7.94E-07	-6.22E-07
1035	490211.2	3859716.1	4.87E-06	2.66E-06	-2.22E-06	1.85E-06	1.04E-06	-8.14E-07	9.40E-07	5.27E-07	-4.14E-07	1.85E-06	1.04E-06	-8.14E-07
1036	490061.2	3859766.1	1.73E-06	9.40E-07	-7.90E-07	6.56E-07	3.66E-07	-2.90E-07	3.34E-07	1.86E-07	-1.47E-07	6.56E-07	3.66E-07	-2.90E-07
1037	490111.2	3859766.1	1.97E-06	1.07E-06	-9.00E-07	7.48E-07	4.18E-07	-3.30E-07	3.80E-07	2.13E-07	-1.68E-07	7.48E-07	4.18E-07	-3.30E-07
1038	490161.2	3859766.1	2.28E-06	1.24E-06	-1.04E-06	8.65E-07	4.84E-07	-3.81E-07	4.40E-07	2.46E-07	-1.94E-07	8.65E-07	4.84E-07	-3.81E-07
1039	490211.2	3859766.1	2.70E-06	1.47E-06	-1.23E-06	1.03E-06	5.73E-07	-4.52E-07	5.22E-07	2.92E-07	-2.30E-07	1.03E-06	5.73E-07	-4.52E-07
1040	490061.2	3859816.1	1.34E-06	7.25E-07	-6.12E-07	5.07E-07	2.83E-07	-2.24E-07	2.58E-07	1.44E-07	-1.14E-07	5.07E-07	2.83E-07	-2.24E-07
1041	490111.2	3859816.1	1.47E-06	8.00E-07	-6.74E-07	5.59E-07	3.12E-07	-2.47E-07	2.84E-07	1.59E-07	-1.26E-07	5.59E-07	3.12E-07	-2.47E-07
1042	490161.2	3859816.1	1.64E-06	8.91E-07	-7.50E-07	6.22E-07	3.47E-07	-2.75E-07	3.17E-07	1.77E-07	-1.40E-07	6.22E-07	3.47E-07	-2.75E-07
1043	490211.2	3859816.1	1.85E-06	1.00E-06	-8.44E-07	7.00E-07	3.91E-07	-3.09E-07	3.56E-07	1.99E-07	-1.57E-07	7.00E-07	3.91E-07	-3.09E-07
1044	490061.2	3859866.1	1.09E-06	5.93E-07	-5.01E-07	4.15E-07	2.31E-07	-1.84E-07	2.11E-07	1.18E-07	-9.35E-08	4.15E-07	2.31E-07	-1.84E-07
1045	490111.2	3859866.1	1.18E-06	6.41E-07	-5.42E-07	4.49E-07	2.50E-07	-1.99E-07	2.28E-07	1.27E-07	-1.01E-07	4.49E-07	2.50E-07	-1.99E-07
1046	490161.2	3859866.1	1.29E-06	6.98E-07	-5.89E-07	4.88E-07	2.72E-07	-2.16E-07	2.48E-07	1.38E-07	-1.10E-07	4.88E-07	2.72E-07	-2.16E-07
1047	490211.2	3859866.1	1.41E-06	7.64E-07	-6.45E-07	5.35E-07	2.98E-07	-2.37E-07	2.72E-07	1.52E-07	-1.20E-07	5.35E-07	2.98E-07	-2.37E-07
1048	490061.2	3859916.1	9.30E-07	5.03E-07	-4.26E-07	3.53E-07	1.96E-07	-1.56E-07	1.79E-07	9.98E-08	-7.95E-08	3.53E-07	1.96E-07	-1.56E-07
1049	490111.2	3859916.1	9.92E-07	5.37E-07	-4.55E-07	3.76E-07	2.10E-07	-1.67E-07	1.91E-07	1.07E-07	-8.48E-08	3.76E-07	2.10E-07	-1.67E-07
1050	490161.2	3859916.1	1.06E-06	5.76E-07	-4.87E-07	4.03E-07	2.25E-07	-1.79E-07	2.05E-07	1.14E-07	-9.08E-08	4.03E-07	2.25E-07	-1.79E-07
1051	490211.2	3859916.1	1.14E-06	6.19E-07	-5.23E-07	4.33E-07	2.41E-07	-1.92E-07	2.20E-07	1.23E-07	-9.76E-08	4.33E-07	2.41E-07	-1.92E-07
1052	490229.3	3859815.3	1.95E-06	1.06E-06	-8.90E-07	7.39E-07	4.13E-07	-3.26E-07	3.76E-07	2.10E-07	-1.66E-07	7.39E-07	4.13E-07	-3.26E-07
1053	490279.3	3859815.3	2.24E-06	1.22E-06	-1.02E-06	8.50E-07	4.75E-07	-3.76E-07	4.32E-07	2.41E-07	-1.91E-07	8.50E-07	4.75E-07	-3.76E-07
1054	490329.3	3859815.3	2.63E-06	1.43E-06	-1.20E-06	9.98E-07	5.57E-07	-4.41E-07	5.07E-07	2.83E-07	-2.24E-07	9.98E-07	5.57E-07	-4.41E-07
1055	490379.3	3859815.3	3.20E-06	1.73E-06	-1.47E-06	1.21E-06	6.76E-07	-5.37E-07	6.17E-07	3.44E-07	-2.73E-07	1.21E-06	6.76E-07	-5.37E-07
1056	490429.3	3859815.3	4.08E-06	2.20E-06	-1.87E-06	1.55E-06	8.60E-07	-6.87E-07	7.87E-07	4.37E-07	-3.50E-07	1.55E-06	8.60E-07	-6.87E-07
1057	490229.3	3859865.3	1.47E-06	7.95E-07	-6.71E-07	5.56E-07	3.10E-07	-2.46E-07	2.83E-07	1.58E-07	-1.25E-07	5.56E-07	3.10E-07	-2.46E-07
1058	490279.3	3859865.3	1.62E-06	8.80E-07	-7.43E-07	6.16E-07	3.43E-07	-2.72E-07	3.13E-07	1.75E-07	-1.39E-07	6.16E-07	3.43E-07	-2.72E-07
1059	490329.3	3859865.3	1.82E-06	9.86E-07	-8.32E-07	6.90E-07	3.85E-07	-3.05E-07	3.51E-07	1.96E-07	-1.55E-07	6.90E-07	3.85E-07	-3.05E-07
1060	490379.3	3859865.3	2.07E-06	1.12E-06	-9.49E-07	7.86E-07	4.38E-07	-3.48E-07	4.00E-07	2.23E-07	-1.77E-07	7.86E-07	4.38E-07	-3.48E-07
1061	490429.3	3859865.3	2.41E-06	1.31E-06	-1.11E-06	9.15E-07	5.09E-07	-4.05E-07	4.65E-07	2.59E-07	-2.06E-07	9.15E-07	5.09E-07	-4.05E-07
1062	490229.3	3859915.3	1.18E-06	6.39E-07	-5.40E-07	4.47E-07	2.49E-07	-1.98E-07	2.27E-07	1.27E-07	-1.01E-07	4.47E-07	2.49E-07	-1.98E-07
1063	490279.3	3859915.3	1.28E-06	6.91E-07	-5.84E-07	4.84E-07	2.70E-07	-2.14E-07	2.46E-07	1.37E-07	-1.09E-07	4.84E-07	2.70E-07	-2.14E-07
1064	490329.3	3859915.3	1.39E-06	7.55E-07	-6.38E-07	5.28E-07	2.94E-07	-2.34E-07	2.69E-07	1.50E-07	-1.19E-07	5.28E-07	2.94E-07	-2.34E-07
1065	490379.3	3859915.3	1.53E-06	8.31E-07	-7.03E-07	5.82E-07	3.24E-07	-2.58E-07	2.96E-07	1.65E-07	-1.31E-07	5.82E-07	3.24E-07	-2.58E-07
1066	490429.3	3859915.3	1.71E-06	9.25E-07	-7.82E-07	6.48E-07	3.61E-07	-2.87E-07	3.29E-07	1.84E-07	-1.46E-07	6.48E-07	3.61E-07	-2.87E-07
1067	490451.4	3859872.6	2.44E-06	1.32E-06	-1.12E-06	9.24E-07	5.15E-07	-4.10E-07	4.70E-07	2.62E-07	-2.08E-07	9.24E-07	5.15E-07	-4.10E-07
1068	490501.4	3859872.6	2.93E-06	1.58E-06	-1.35E-06	1.11E-06	6.17E-07	-4.94E-07	5.65E-07	3.14E-07	-2.51E-07	1.11E-06	6.17E-07	-4.94E-07
1069	490551.4	3859872.6	3.69E-06	1.99E-06	-1.70E-06	1.40E-06	7.75E-07	-6.25E-07	7.12E-07	3.94E-07	-3.18E-07	1.40E-06	7.75E-07	-6.25E-07
1070	490601.4	3859872.6	4.90E-06	2.63E-06	-2.28E-06	1.86E-06	1.02E-06	-8.36E-07	9.46E-07	5.21E-07	-4.25E-07	1.86E-06	1.02E-06	-8.36E-07
1071	490451.4	3859922.6	1.72E-06	9.33E-07	-7.89E-07	6.53E-07	3.64E-07	-2.90E-07	3.32E-07	1.85E-07	-1.47E-07	6.53E-07	3.64E-07	-2.90E-07
1072	490501.4	3859922.6	1.95E-06	1.06E-06	-8.95E-07	7.40E-07	4.12E-07	-3.28E-07	3.76E-07	2.09E-07	-1.67E-07	7.40E-07	4.12E-07	-3.28E-07
1073	490551.4	3859922.6	2.26E-06	1.22E-06	-1.04E-06	8.59E-07	4.77E-07	-3.81E-07	4.37E-07	2.43E-07	-1.94E-07	8.59E-07	4.77E-07	-3.81E-07
1074	490601.4	3859922.6	2.70E-06	1.46E-06	-1.24E-06	1.02E-06	5.68E-07	-4.56E-07	5.21E-07	2.89E-07	-2.32E-07	1.02E-06	5.68E-07	-4.56E-07
1075	482129.7	3852241.1	3.22E-06	1.76E-06	-1.45E-06	1.22E-06	6.88E-07	-5.32E-07	6.20E-07	3.50E-07	-2.71E-07	1.22E-06	6.88E-07	-5.32E-07
1076	482029.7	3852291.1	6.00E-06	3.29E-06	-2.71E-06	2.28E-06	1.28E-06	-9.95E-07	1.16E-06	6.52E-07	-5.06E-07	2.28E-06	1.28E-06	-9.95E-07
1077	482079.7	3852291.1	4.66E-06	2.55E-06	-2.10E-06	1.77E-06	9.95E-07	-7.71E-07	8.98E-07	5.06E-07	-3.92E-07	1.77E-06	9.95E-07	-7.71E-07
1078	482129.7	3852291.1	3.78E-06	2.07E-06	-1.71E-06	1.44E-06	8.09E-07	-6.26E-07	7.30E-07	4.11E-07	-3.19E-07	1.44E-06	8.09E-07	-6.26E-07
1079	482179.7	3852291.1	3.15E-06	1.73E-06	-1.42E-06	1.19E-06	6.73E-07	-5.21E-07	6.07E-07	3.42E-07	-2.65E-07	1.19E-06	6.73E-07	-5.21E-07
1080	482229.7	3852291.1	2.66E-06	1.46E-06	-1.20E-06	1.01E-06	5.70E-07	-4.40E-07	5.14E-07	2.90E-07	-2.24E-07	1.01E-06	5.70E-07	-4.40E-07
1081	482029.7	3852341.1	8.28E-06	4.53E-06	-3.75E-06	3.14E-06	1.77E-06	-1.37E-06	1.60E-06	8.99E-07	-6.99E-07	3.14E-06	1.77E-06	-1.37E-06
1082	482079.7	3852341.1	5.95E-06	3.26E-06	-2.69E-06	2.26E-06	1.27E-06	-9.86E-07	1.15E-06	6.46E-07	-5.02E-07	2.26E-06	1.27E-06	-9.86E-07
1083	482129.7	3852341.1	4.62E-06	2.53E-06	-2.09E-06	1.75E-06	9.87E-07	-7.65E-07	8.91E-07	5.02E-07	-3.89E-07	1.75E-06	9.87E-07	-7.65E-07
1084	482179.7	3852341.1	3.74E-06	2.05E-06	-1.69E-06	1.42E-06	8.00E-07	-6.19E-07	7.21E-07	4.07E-07	-3.15E-07	1.42E-06	8.00E-07	-6.19E-07
1085	482259.1	3852400.1	3.53E-06	1.93E-06	-1.59E-06	1.34E-06	7.55E-07	-5.84E-07	6.81E-07	3.84E-07	-2.97E-07	1.34E-06	7.55E-07	-5.84E-07
1086	482309.1	3852400.1	2.92E-06	1.60E-06	-1.32E-06	1.11E-06	6.24E-07	-4.82E-07	5.62E-07	3.17E-07	-2.45E-07	1.11E-06	6.24E-07	-4.82E-07
1087	482209.1	3852450.1	5.28E-06	2.90E-06	-2.39E-06	2.00E-06	1.13E-06	-8.75E-07	1.02E-06	5.74E-07	-4.45E-07	2.00E-06	1.13E-06	-8.75E-07
1088	482259.1	3852450.1	4.21E-06	2.31E-06	-1.90E-06	1.60E-06	9.01E-07	-6.98E-07	8.13E-07	4.58E-07	-3.55E-07	1.60E-06	9.01E-07	-6.98E-07
1089	482309.1	3852450.1	3.44E-06	1.89E-06	-1.55E-06	1.31E-06	7.36E-07	-5.70E-07	6.64E-07	3.74E-07	-2.90E-07	1.31E-06	7.36E-07	-5.70E-07
1090	482209.1	3852500.1	6.96E-06	3.81E-06	-3.15E-06	2.64E-06	1.49E-06	-1.15E-06	1.34E-06	7.56E-07	-5.87E-07	2.64E-06	1.49E-06	-1.15E-06
1091	482259.1	3852500.1	5.24E-06	2.87E-06	-2.37E-06	1.99E-06	1.12E-06	-8.67E-07	1.01E-06	5.69E-07	-4.41E-07	1.99E-06	1.12E-06	-8.67E-07
1092	482309.1	3852500.1	4.14E-06	2.27E-06	-1.87E-06	1.57E-06	8.86E-07	-6.86E-07	7.99E-07	4.51E-07	-3.49E-07	1.57E-06	8.86E-07	-6.86E-07
1093	482283.9	3852513.6	4.93E-06	2.70E-06	-2.23E-06	1.87E-06	1.05E-06	-8.17E-07	9.52E-07	5.36E-07	-4.16E-07	1.87E-06	1.05E-06	-8.17E-07
1094	482333.9	3852513.6	3.96E-06	2.17E-06	-1.79E-06	1.50E-06	8.46E-07	-6.56E-07	7.64E-07	4.30E-07	-3.33E-07	1.50E-06	8.46E-07	-6.56E-07
1095	482283.9	3852563.6	6.40E-06	3.50E-06	-2.89E-06	2.43E-06	1.37E-06	-1.06E-06	1.23E-06	6.95E-07	-5.39E-07	2.43E-06	1.37E-06	-1.06E-06
1096	482333.9	3852563.6	4.91E-06	2.69E-06	-2.22E-06	1.86E-06	1.05E-06	-8.13E-07	9.47E-07	5.33E-07	-4.14E-07	1.86E-06	1.05E-06	-8.13E-07
1097	482383.9	3852563.6	3.97E-06	2.17E-06	-1.79E-06	1.50E-06	8.48E-07	-6.57E-07	7.65E-07	4.31E-07	-3.34E-07	1.50E-06	8.48E-07	-6.57E-07
1098	482283.9	3852613.6	8.88E-06	4.86E-06	-4.02E-06	3.37E-06	1.90E-06	-1.47E-06	1.71E-06	9.64E-07	-7.49E-07	3.37E-06	1.90E-06	-1.47E-06
1099	482333.9	3852613.6	6.33E-06	3.47E-06	-2.87E-06	2.40E-06	1.35E-06	-1.05E-06	1.22E-06	6.88E-07	-5.34E-07	2.40E-06	1.35E-06	-1.05E-06
1100	482383.9	3852613.6	4.88E-06	2.67E-06	-2.21E-06	1.85E-06	1.04E-06	-8.09E-07	9.42E-07	5.30E-07	-4.11E-07	1.85E-06	1.04E-06	-8.09E-07
1101	482602.4	3852600.9	2.21E-06	1.22E-06	-1.00E-06	8.40E-07	4.74E-07	-3.66E-07	4.27E-07	2.41E-07	-1.86E-07	8.40E-07	4.74E-07	-3.66E-07
1102	482652.4	3852600.9	1.98E-06	1.09E-06	-8.90E-07	7.50E-07	4.24E-07	-3.26E-07	3.81E-07	2.15E-07	-1.66E-07	7.50E-07	4.24E-07	-3.26E-07
1103	482702.4	3852600.9	1.73E-06	9.51E-07	-7.76E-07	6.55E-07	3.71E-07	-2.84E-07	3.33E-07	1.89E-07	-1.45E-07	6.55E-07	3.71E-07	-2.84E-07
1104	482552.4	3852650.9	2.92E-06	1.60E-06	-1.32E-06	1.11E-06	6.23E-07	-4.83E-07	5.63E-07	3.17E-07	-2.46E-07	1.11E-06	6.23E-07	-4.83E-07
1105	482602.4	3852650.9	2.52E-06	1.38E-06	-1.14E-06	9.54E-07	5.38E-07	-4.16E-07	4.85E-07	2.74E-07	-2.12E-07	9.54E-07	5.38E-07	-4.16E-07
1106	482652.4	3852650.9	2.22E-06	1.22E-06	-1.00E-06	8.43E-07	4.76E-07	-3.67E-07	4.29E-07	2.42E-07	-1.87E-07	8.43E-07	4.76E-07	-3.67E-07
1107	482702.4	3852650.9	1.99E-06	1.09E-06	-8.95E-07	7.54E-07	4.27E-07	-3.28E-07	3.84E-07	2.17E-07	-1.67E-07	7.54E-07	4.27E-07	-3.28E-07
1108	482552.4	3852700.9	3.43E-06	1.88E-06	-1.55E-06	1.30E-06	7.33E-07	-5.69E-07	6.62E-07	3.73E-07	-2.89E-07	1.30E-06	7.33E-07	-5.69E-07
1109	482602.4	3852700.9	2.93E-06	1.61E-06	-1.33E-06	1.11E-06	6.28E-07	-4.86E-07	5.66E-07	3.19E-07	-2.47E-07	1.11E-06	6.28E-07	-4.86E-07
1110	482652.4	3852700.9	2.59E-06	1.42E-06	-1.17E-06	9.84E-07	5.55E-07	-4.29E-07	5.00E-07	2.82E-07	-2.18E-07	9.84E-07	5.55E-07	-4.29E-07
1111	482702.4	3852700.9	2.26E-06	1.24E-06	-1.02E-06	8.57E-07	4.85E-07	-3.73E-07	4.36E-07	2.46E-07	-1.90E-07	8.57E-07	4.85E-07	-3.73E-07
1112	482452.4	3852750.9	6.90E-06	3.78E-06	-3.12E-06	2.62E-06	1.47E-06	-1.14E-06	1.33E-06	7.49E-07	-5.82E-07	2.62E-06	1.47E-06	-1.14E-06
1113	482521.3	3852749.7	4.70E-06	2.57E-06	-2.13E-06	1.78E-06	1.00E-06	-7.79E-07	9.07E-07	5.10E-07	-3.96E-07	1.78E-06	1.00E-06	-7.79E-07
1114	482571.3	3852749.7	3.82E-06	2.09E-06	-1.73E-06	1.45E-06	8.16E-07	-6.33E-07	7.37E-07	4.15E-07	-3.22E-07	1.45E-06	8.16E-07	-6.33E-07
1115	482521.3	3852799.7	6.05E-06	3.31E-06	-2.74E-06	2.29E-06	1.29E-06	-1.00E-06	1.17E-06	6.57E-07	-5.10E-07	2.29E-06	1.29E-06	-1.00E-06
1116	482571.3	3852799.7	4.68E-06	2.56E-06	-2.12E-06	1.78E-06	1.00E-06	-7.76E-07	9.03E-07	5.08E-07	-3.95E-07	1.78E-06	1.00E-06	-7.76E-07
1117	482621.3	3852799.7	3.80E-06	2.08E-06	-1.72E-06	1.44E-06	8.12E-07	-6.29E-07	7.33E-07	4.13E-07	-3.20E-07	1.44E-06	8.12E-07	-6.29E-07
1118	482571.3	3852849.7	5.97E-06	3.27E-06	-2.70E-06	2.27E-06	1.28E-06	-9.91E-07	1.15E-06	6.48E-07	-5.04E-07	2.27E-06	1.28E-06	-9.91E-07
1119	482621.3	3852849.7	4.60E-06	2.52E-06	-2.08E-06	1.75E-06	9.83E-07	-7.62E-07	8.87E-07	5.00E-07	-3.88E-07	1.75E-06	9.83E-07	-7.62E-07
1120	482577.4	3852901.6	7.88E-06	4.31E-06	-3.57E-06	2.99E-06	1.68E-06	-1.31E-06	1.52E-06	8.55E-07	-6.65E-07	2.99E-06	1.68E-06	-1.31E-06
1121	482627.4	3852901.6	5.67E-06	3.10E-06	-2.56E-06	2.15E-06	1.21E-06	-9.40E-07	1.09E-06	6.16E-07	-4.78E-07	2.15E-06	1.21E-06	-9.40E-07
1122	482630	3852955.9	7.71E-06	4.22E-06	-3.49E-06	2.93E-06	1.65E-06	-1.28E-06	1.49E-06	8.38E-07	-6.50E-07	2.93E-06	1.65E-06	-1.28E-06
1123	482680	3852955.9	5.51E-06	3.02E-06	-2.49E-06	2.09E-06	1.18E-06	-9.11E-07	1.06E-06	6.00E-07	-4.63E-07	2.09E-06	1.18E-06	-9.11E-07
1124	482781.6	3853034.5	4.06E-06	2.24E-06	-1.82E-06	1.54E-06	8.76E-07	-6.66E-07	7.84E-07	4.45E-07	-3.39E-07	1.54E-06	8.76E-07	-6.66E-07
1125	482831.6	3853034.5	3.27E-06	1.81E-06	-1.46E-06	1.24E-06	7.05E-07	-5.36E-07	6.31E-07	3.59E-07	-2.72E-07	1.24E-06	7.05E-07	-5.36E-07
1126	482881.6	3853034.5	2.71E-06	1.50E-06	-1.21E-06	1.03E-06	5.85E-07	-4.44E-07	5.23E-07	2.98E-07	-2.26E-07	1.03E-06	5.85E-07	-4.44E-07

1127	482781.6	3853084.5	4.60E-06	2.54E-06	-2.06E-06	1.74E-06	9.90E-07	-7.54E-07	8.87E-07	5.03E-07	-3.83E-07	1.74E-06	9.90E-07	-7.54E-07
1128	482831.6	3853084.5	3.60E-06	1.99E-06	-1.61E-06	1.37E-06	7.77E-07	-5.91E-07	6.95E-07	3.95E-07	-3.00E-07	1.37E-06	7.77E-07	-5.91E-07
1129	482881.6	3853084.5	2.97E-06	1.64E-06	-1.33E-06	1.13E-06	6.41E-07	-4.86E-07	5.73E-07	3.26E-07	-2.47E-07	1.13E-06	6.41E-07	-4.86E-07
1130	482781.6	3853134.5	5.36E-06	2.96E-06	-2.40E-06	2.03E-06	1.15E-06	-8.80E-07	1.03E-06	5.86E-07	-4.48E-07	2.03E-06	1.15E-06	-8.80E-07
1131	482831.6	3853134.5	4.05E-06	2.24E-06	-1.81E-06	1.54E-06	8.73E-07	-6.65E-07	7.82E-07	4.44E-07	-3.38E-07	1.54E-06	8.73E-07	-6.65E-07
1132	482881.6	3853134.5	3.27E-06	1.81E-06	-1.46E-06	1.24E-06	7.06E-07	-5.36E-07	6.32E-07	3.59E-07	-2.73E-07	1.24E-06	7.06E-07	-5.36E-07
1133	482831.6	3853184.5	4.65E-06	2.57E-06	-2.08E-06	1.76E-06	1.00E-06	-7.63E-07	8.97E-07	5.09E-07	-3.88E-07	1.76E-06	1.00E-06	-7.63E-07
1134	482881.6	3853184.5	3.64E-06	2.01E-06	-1.63E-06	1.38E-06	7.84E-07	-5.96E-07	7.02E-07	3.99E-07	-3.03E-07	1.38E-06	7.84E-07	-5.96E-07
1135	484154.8	3854251	5.63E-07	5.65E-07	1.69E-09	2.14E-07	2.20E-07	6.66E-09	1.09E-07	1.12E-07	3.39E-09	2.14E-07	2.20E-07	6.66E-09
1136	484204.8	3854251	5.46E-07	5.38E-07	-7.96E-09	2.07E-07	2.10E-07	2.71E-09	1.05E-07	1.07E-07	1.38E-09	2.07E-07	2.10E-07	2.71E-09
1137	484154.8	3854301	5.58E-07	6.03E-07	4.51E-08	2.12E-07	2.35E-07	2.36E-08	1.08E-07	1.20E-07	1.20E-08	2.12E-07	2.35E-07	2.36E-08
1138	484204.8	3854301	5.44E-07	5.76E-07	3.18E-08	2.06E-07	2.25E-07	1.82E-08	1.05E-07	1.14E-07	9.25E-09	2.06E-07	2.25E-07	1.82E-08
1139	484074.2	3854519.8	6.16E-07	1.32E-06	7.06E-07	2.34E-07	5.15E-07	2.82E-07	1.19E-07	2.62E-07	1.43E-07	2.34E-07	5.15E-07	2.82E-07
1140	484124.2	3854519.8	5.92E-07	1.13E-06	5.42E-07	2.24E-07	4.42E-07	2.18E-07	1.14E-07	2.25E-07	1.11E-07	2.24E-07	4.42E-07	2.18E-07
1141	484074.2	3854569.8	6.31E-07	1.78E-06	1.15E-06	2.40E-07	6.93E-07	4.54E-07	1.22E-07	3.53E-07	2.31E-07	2.40E-07	6.93E-07	4.54E-07
1142	484124.2	3854569.8	6.03E-07	1.44E-06	8.34E-07	2.29E-07	5.60E-07	3.32E-07	1.16E-07	2.85E-07	1.69E-07	2.29E-07	5.60E-07	3.32E-07
1143	485205.1	3855188.9	5.67E-07	1.07E-06	5.07E-07	2.15E-07	4.19E-07	2.04E-07	1.09E-07	2.13E-07	1.04E-07	2.15E-07	4.19E-07	2.04E-07
1144	485255.1	3855188.9	5.48E-07	9.37E-07	3.90E-07	2.08E-07	3.66E-07	1.58E-07	1.06E-07	1.86E-07	8.02E-08	2.08E-07	3.66E-07	1.58E-07
1145	485205.1	3855238.9	5.80E-07	1.22E-06	6.43E-07	2.20E-07	4.77E-07	2.57E-07	1.12E-07	2.43E-07	1.31E-07	2.20E-07	4.77E-07	2.57E-07
1146	485255.1	3855238.9	5.66E-07	1.06E-06	4.92E-07	2.15E-07	4.12E-07	1.98E-07	1.09E-07	2.10E-07	1.01E-07	2.15E-07	4.12E-07	1.98E-07
1147	485205.1	3855288.9	6.14E-07	1.55E-06	9.40E-07	2.33E-07	6.06E-07	3.73E-07	1.18E-07	3.08E-07	1.90E-07	2.33E-07	6.06E-07	3.73E-07
1148	485255.1	3855288.9	5.95E-07	1.27E-06	6.76E-07	2.26E-07	4.96E-07	2.70E-07	1.15E-07	2.52E-07	1.37E-07	2.26E-07	4.96E-07	2.70E-07
1149	485255.1	3855338.9	6.28E-07	1.59E-06	9.63E-07	2.38E-07	6.20E-07	3.82E-07	1.21E-07	3.15E-07	1.94E-07	2.38E-07	6.20E-07	3.82E-07
1150	485305.1	3855338.9	6.07E-07	1.30E-06	6.93E-07	2.30E-07	5.07E-07	2.77E-07	1.17E-07	2.58E-07	1.41E-07	2.30E-07	5.07E-07	2.77E-07
1151	485852.5	3855635.3	5.78E-07	7.54E-07	1.76E-07	2.19E-07	2.94E-07	7.47E-08	1.11E-07	1.49E-07	3.80E-08	2.19E-07	2.94E-07	7.47E-08
1152	485902.5	3855635.3	5.60E-07	6.90E-07	1.31E-07	2.12E-07	2.69E-07	5.69E-08	1.08E-07	1.37E-07	2.89E-08	2.12E-07	2.69E-07	5.69E-08
1153	485852.5	3855685.3	5.98E-07	8.27E-07	2.29E-07	2.27E-07	3.22E-07	9.58E-08	1.15E-07	1.64E-07	4.87E-08	2.27E-07	3.22E-07	9.58E-08
1154	485902.5	3855685.3	5.78E-07	7.49E-07	1.71E-07	2.19E-07	2.92E-07	7.30E-08	1.11E-07	1.49E-07	3.71E-08	2.19E-07	2.92E-07	7.30E-08
1155	485852.5	3855735.3	6.18E-07	9.18E-07	3.00E-07	2.35E-07	3.58E-07	1.24E-07	1.19E-07	1.82E-07	6.28E-08	2.35E-07	3.58E-07	1.24E-07
1156	485902.5	3855735.3	6.00E-07	8.26E-07	2.26E-07	2.28E-07	3.22E-07	9.45E-08	1.16E-07	1.64E-07	4.81E-08	2.28E-07	3.22E-07	9.45E-08
1157	485852.5	3855785.3	6.44E-07	1.04E-06	4.00E-07	2.44E-07	4.07E-07	1.63E-07	1.24E-07	2.07E-07	8.28E-08	2.44E-07	4.07E-07	1.63E-07
1158	485902.5	3855785.3	6.20E-07	9.15E-07	2.96E-07	2.35E-07	3.57E-07	1.22E-07	1.20E-07	1.82E-07	6.20E-08	2.35E-07	3.57E-07	1.22E-07
1159	486809.5	3856465.3	6.14E-07	7.03E-07	8.94E-08	2.33E-07	2.74E-07	4.14E-08	1.18E-07	1.39E-07	2.11E-08	2.33E-07	2.74E-07	4.14E-08
1160	486859.5	3856465.3	6.04E-07	6.60E-07	5.57E-08	2.29E-07	2.57E-07	2.82E-08	1.17E-07	1.31E-07	1.43E-08	2.29E-07	2.57E-07	2.82E-08
1161	486909.5	3856465.3	5.94E-07	6.22E-07	2.84E-08	2.25E-07	2.43E-07	1.74E-08	1.15E-07	1.23E-07	8.85E-09	2.25E-07	2.43E-07	1.74E-08
1162	486809.5	3856515.3	6.34E-07	7.62E-07	1.28E-07	2.40E-07	2.97E-07	5.67E-08	1.22E-07	1.51E-07	2.88E-08	2.40E-07	2.97E-07	5.67E-08
1163	486859.5	3856515.3	6.25E-07	7.09E-07	8.49E-08	2.37E-07	2.77E-07	3.98E-08	1.21E-07	1.41E-07	2.02E-08	2.37E-07	2.77E-07	3.98E-08
1164	486909.5	3856515.3	6.14E-07	6.65E-07	5.09E-08	2.33E-07	2.59E-07	2.64E-08	1.19E-07	1.32E-07	1.34E-08	2.33E-07	2.59E-07	2.64E-08
1165	486980.9	3856358	5.45E-07	5.14E-07	-3.12E-08	2.07E-07	2.01E-07	-6.34E-09	1.05E-07	1.02E-07	-3.22E-09	2.07E-07	2.01E-07	-6.34E-09
1166	487030.9	3856358	5.38E-07	4.94E-07	-4.37E-08	2.04E-07	1.93E-07	-1.13E-08	1.04E-07	9.80E-08	-5.75E-09	2.04E-07	1.93E-07	-1.13E-08
1167	486980.9	3856408	5.62E-07	5.42E-07	-1.99E-08	2.13E-07	2.11E-07	-1.76E-09	1.08E-07	1.08E-07	-8.94E-10	2.13E-07	2.11E-07	-1.76E-09
1168	487030.9	3856408	5.53E-07	5.19E-07	-3.46E-08	2.10E-07	2.02E-07	-7.59E-09	1.07E-07	1.03E-07	-3.86E-09	2.10E-07	2.02E-07	-7.59E-09
1169	487447.2	3856437.5	5.07E-07	4.02E-07	-1.05E-07	1.92E-07	1.57E-07	-3.55E-08	9.77E-08	7.97E-08	-1.80E-08	1.92E-07	1.57E-07	-3.55E-08
1170	487497.2	3856437.5	5.01E-07	3.91E-07	-1.10E-07	1.90E-07	1.53E-07	-3.75E-08	9.67E-08	7.76E-08	-1.91E-08	1.90E-07	1.53E-07	-3.75E-08
1171	487547.2	3856437.5	4.97E-07	3.82E-07	-1.15E-07	1.88E-07	1.49E-07	-3.95E-08	9.58E-08	7.57E-08	-2.01E-08	1.88E-07	1.49E-07	-3.95E-08
1172	487447.2	3856487.5	5.20E-07	4.16E-07	-1.04E-07	1.97E-07	1.62E-07	-3.51E-08	1.00E-07	8.24E-08	-1.78E-08	1.97E-07	1.62E-07	-3.51E-08
1173	487497.2	3856487.5	5.14E-07	4.04E-07	-1.10E-07	1.95E-07	1.58E-07	-3.73E-08	9.91E-08	8.02E-08	-1.90E-08	1.95E-07	1.58E-07	-3.73E-08
1174	487547.2	3856487.5	5.09E-07	3.94E-07	-1.15E-07	1.93E-07	1.54E-07	-3.95E-08	9.82E-08	7.81E-08	-2.01E-08	1.93E-07	1.54E-07	-3.95E-08
1175	487447.2	3856537.5	5.34E-07	4.31E-07	-1.03E-07	2.02E-07	1.68E-07	-3.45E-08	1.03E-07	8.54E-08	-1.75E-08	2.02E-07	1.68E-07	-3.45E-08
1176	487497.2	3856537.5	5.27E-07	4.18E-07	-1.09E-07	2.00E-07	1.63E-07	-3.69E-08	1.02E-07	8.29E-08	-1.88E-08	2.00E-07	1.63E-07	-3.69E-08
1177	487547.2	3856537.5	5.22E-07	4.07E-07	-1.15E-07	1.98E-07	1.59E-07	-3.93E-08	1.01E-07	8.07E-08	-2.00E-08	1.98E-07	1.59E-07	-3.93E-08
1178	489285.9	3858826.5	2.40E-06	1.34E-06	-1.06E-06	9.09E-07	5.21E-07	-3.89E-07	4.62E-07	2.65E-07	-1.98E-07	9.09E-07	5.21E-07	-3.89E-07
1179	489335.9	3858826.5	2.23E-06	1.23E-06	-9.99E-07	8.47E-07	4.81E-07	-3.66E-07	4.31E-07	2.45E-07	-1.86E-07	8.47E-07	4.81E-07	-3.66E-07
1180	489385.9	3858826.5	2.09E-06	1.15E-06	-9.43E-07	7.93E-07	4.47E-07	-3.45E-07	4.03E-07	2.27E-07	-1.76E-07	7.93E-07	4.47E-07	-3.45E-07
1181	489435.9	3858826.5	1.96E-06	1.07E-06	-8.93E-07	7.45E-07	4.18E-07	-3.27E-07	3.79E-07	2.13E-07	-1.66E-07	7.45E-07	4.18E-07	-3.27E-07
1182	489485.9	3858826.5	1.86E-06	1.01E-06	-8.48E-07	7.04E-07	3.93E-07	-3.11E-07	3.58E-07	2.00E-07	-1.58E-07	7.04E-07	3.93E-07	-3.11E-07
1183	489535.9	3858826.5	1.76E-06	9.51E-07	-8.07E-07	6.67E-07	3.71E-07	-2.96E-07	3.39E-07	1.89E-07	-1.51E-07	6.67E-07	3.71E-07	-2.96E-07
1184	489585.9	3858826.5	1.67E-06	9.02E-07	-7.70E-07	6.34E-07	3.52E-07	-2.83E-07	3.23E-07	1.79E-07	-1.44E-07	6.34E-07	3.52E-07	-2.83E-07
1185	489635.9	3858826.5	1.59E-06	8.58E-07	-7.37E-07	6.05E-07	3.35E-07	-2.70E-07	3.08E-07	1.70E-07	-1.37E-07	6.05E-07	3.35E-07	-2.70E-07
1186	489685.9	3858826.5	1.52E-06	8.18E-07	-7.06E-07	5.78E-07	3.19E-07	-2.59E-07	2.94E-07	1.62E-07	-1.32E-07	5.78E-07	3.19E-07	-2.59E-07
1187	489735.9	3858826.5	1.46E-06	7.82E-07	-6.77E-07	5.54E-07	3.05E-07	-2.48E-07	2.81E-07	1.55E-07	-1.26E-07	5.54E-07	3.05E-07	-2.48E-07
1188	489785.9	3858826.5	1.40E-06	7.50E-07	-6.51E-07	5.32E-07	2.93E-07	-2.39E-07	2.70E-07	1.49E-07	-1.22E-07	5.32E-07	2.93E-07	-2.39E-07
1189	489835.9	3858826.5	1.35E-06	7.20E-07	-6.27E-07	5.11E-07	2.81E-07	-2.30E-07	2.60E-07	1.43E-07	-1.17E-07	5.11E-07	2.81E-07	-2.30E-07
1190	489885.9	3858826.5	1.30E-06	6.93E-07	-6.04E-07	4.92E-07	2.70E-07	-2.22E-07	2.50E-07	1.37E-07	-1.13E-07	4.92E-07	2.70E-07	-2.22E-07
1191	489935.9	3858826.5	1.25E-06	6.67E-07	-5.83E-07	4.74E-07	2.60E-07	-2.14E-07	2.41E-07	1.32E-07	-1.09E-07	4.74E-07	2.60E-07	-2.14E-07
1192	489985.9	3858826.5	1.21E-06	6.44E-07	-5.63E-07	4.58E-07	2.51E-07	-2.07E-07	2.33E-07	1.28E-07	-1.05E-07	4.58E-07	2.51E-07	-2.07E-07
1193	490035.9	3858826.5	1.16E-06	6.20E-07	-5.43E-07	4.41E-07	2.42E-07	-2.00E-07	2.24E-07	1.23E-07	-1.01E-07	4.41E-07	2.42E-07	-2.00E-07
1194	489285.9	3858876.5	2.77E-06	1.55E-06	-1.22E-06	1.05E-06	6.04E-07	-4.48E-07	5.35E-07	3.07E-07	-2.28E-07	1.05E-06	6.04E-07	-4.48E-07
1195	489335.9	3858876.5	2.55E-06	1.41E-06	-1.14E-06	9.69E-07	5.51E-07	-4.18E-07	4.93E-07	2.80E-07	-2.12E-07	9.69E-07	5.51E-07	-4.18E-07
1196	489385.9	3858876.5	2.37E-06	1.30E-06	-1.07E-06	8.98E-07	5.07E-07	-3.91E-07	4.57E-07	2.58E-07	-1.99E-07	8.98E-07	5.07E-07	-3.91E-07
1197	489435.9	3858876.5	2.21E-06	1.20E-06	-1.00E-06	8.37E-07	4.70E-07	-3.67E-07	4.26E-07	2.39E-07	-1.87E-07	8.37E-07	4.70E-07	-3.67E-07
1198	489485.9	3858876.5	2.07E-06	1.12E-06	-9.44E-07	7.84E-07	4.38E-07	-3.46E-07	3.99E-07	2.23E-07	-1.76E-07	7.84E-07	4.38E-07	-3.46E-07
1199	489535.9	3858876.5	1.95E-06	1.05E-06	-8.93E-07	7.38E-07	4.11E-07	-3.28E-07	3.75E-07	2.09E-07	-1.67E-07	7.38E-07	4.11E-07	-3.28E-07
1200	489585.9	3858876.5	1.84E-06	9.91E-07	-8.46E-07	6.97E-07	3.86E-07	-3.10E-07	3.54E-07	1.97E-07	-1.58E-07	6.97E-07	3.86E-07	-3.10E-07
1201	489635.9	3858876.5	1.74E-06	9.38E-07	-8.05E-07	6.61E-07	3.66E-07	-2.95E-07	3.36E-07	1.86E-07	-1.50E-07	6.61E-07	3.66E-07	-2.95E-07
1202	489685.9	3858876.5	1.66E-06	8.90E-07	-7.68E-07	6.29E-07	3.47E-07	-2.82E-07	3.20E-07	1.77E-07	-1.43E-07	6.29E-07	3.47E-07	-2.82E-07
1203	489735.9	3858876.5	1.58E-06	8.47E-07	-7.34E-07	6.00E-07	3.30E-07	-2.69E-07	3.05E-07	1.68E-07	-1.37E-07	6.00E-07	3.30E-07	-2.69E-07
1204	489785.9	3858876.5	1.51E-06	8.09E-07	-7.03E-07	5.74E-07	3.16E-07	-2.58E-07	2.92E-07	1.61E-07	-1.31E-07	5.74E-07	3.16E-07	-2.58E-07
1205	489835.9	3858876.5	1.45E-06	7.75E-07	-6.74E-07	5.50E-07	3.02E-07	-2.48E-07	2.80E-07	1.54E-07	-1.26E-07	5.50E-07	3.02E-07	-2.48E-07
1206	489885.9	3858876.5	1.39E-06	7.44E-07	-6.49E-07	5.28E-07	2.90E-07	-2.38E-07	2.69E-07	1.48E-07	-1.21E-07	5.28E-07	2.90E-07	-2.38E-07
1207	489935.9	3858876.5	1.34E-06	7.15E-07	-6.24E-07	5.08E-07	2.79E-07	-2.29E-07	2.58E-07	1.42E-07	-1.17E-07	5.08E-07	2.79E-07	-2.29E-07
1208	489985.9	3858876.5	1.29E-06	6.86E-07	-6.00E-07	4.88E-07	2.68E-07	-2.20E-07	2.48E-07	1.36E-07	-1.12E-07	4.88E-07	2.68E-07	-2.20E-07
1209	490035.9	3858876.5	1.24E-06	6.59E-07	-5.78E-07	4.69E-07	2.57E-07	-2.12E-07	2.39E-07	1.31E-07	-1.08E-07	4.69E-07	2.57E-07	-2.12E-07
1210	489285.9	3858926.5	3.30E-06	1.85E-06	-1.45E-06	1.25E-06	7.20E-07	-5.31E-07	6.36E-07	3.66E-07	-2.70E-07	1.25E-06	7.20E-07	-5.31E-07
1211	489335.9	3858926.5	2.99E-06	1.66E-06	-1.33E-06	1.13E-06	6.46E-07	-4.88E-07	5.77E-07	3.28E-07	-2.48E-07	1.13E-06	6.46E-07	-4.88E-07
1212	489385.9	3858926.5	2.73E-06	1.50E-06	-1.23E-06	1.04E-06	5.86E-07	-4.51E-07	5.27E-07	2.98E-07	-2.29E-07	1.04E-06	5.86E-07	-4.51E-07
1213	489435.9	3858926.5	2.52E-06	1.38E-06	-1.14E-06	9.56E-07	5.37E-07	-4.19E-07	4.86E-07	2.73E-07	-2.13E-07	9.56E-07	5.37E-07	-4.19E-07
1214	489485.9	3858926.5	2.34E-06	1.27E-06	-1.07E-06	8.87E-07	4.95E-07	-3.91E-07	4.51E-07	2.52E-07	-1.99E-07	8.87E-07	4.95E-07	-3.91E-07
1215	489535.9	3858926.5	2.18E-06	1.18E-06	-1.00E-06	8.27E-07	4.60E-07	-3.67E-07	4.21E-07	2.34E-07	-1.87E-07	8.27E-07	4.60E-07	-3.67E-07
1216	489585.9	3858926.5	2.04E-06	1.10E-06	-9.41E-07	7.76E-07	4.30E-07	-3.45E-07	3.94E-07	2.19E-07	-1.76E-07	7.76E-07	4.30E-07	-3.45E-07
1217	489635.9	3858926.5	1.93E-06	1.04E-06	-8.89E-07	7.31E-07	4.04E-07	-3.26E-07	3.72E-07	2.06E-07	-1.66E-07	7.31E-07	4.04E-07	-3.26E-07
1218	489685.9	3858926.5	1.82E-06	9.77E-07	-8.42E-07	6.90E-07	3.81E-07	-3.09E-07	3.51E-07	1.94E-07	-1.57E-07	6.90E-07	3.81E-07	-3.09E-07
1219	489735.9	3858926.5	1.73E-06	9.26E-07	-8.01E-07	6.55E-07	3.61E-07	-2.94E-07	3.33E-07	1.84E-07	-1.50E-07	6.55E-07	3.61E-07	-2.94E-07
1220	489785.9	3858926.5	1.65E-06	8.81E-07	-7.64E-07	6.24E-07	3.44E-07	-2.81E-07	3.17E-07	1.75E-07	-1.43E-07	6.24E-07	3.44E-07	-2.81E-07

1221	489835.9	3858926.5	1.57E-06	8.40E-07	-7.30E-07	5.96E-07	3.28E-07	-2.68E-07	3.03E-07	1.67E-07	-1.36E-07	5.96E-07	3.28E-07	-2.68E-07
1222	489885.9	3858926.5	1.50E-06	8.03E-07	-6.99E-07	5.70E-07	3.13E-07	-2.57E-07	2.90E-07	1.59E-07	-1.31E-07	5.70E-07	3.13E-07	-2.57E-07
1223	489935.9	3858926.5	1.44E-06	7.69E-07	-6.71E-07	5.46E-07	3.00E-07	-2.46E-07	2.78E-07	1.53E-07	-1.25E-07	5.46E-07	3.00E-07	-2.46E-07
1224	489985.9	3858926.5	1.38E-06	7.37E-07	-6.43E-07	5.24E-07	2.87E-07	-2.36E-07	2.66E-07	1.46E-07	-1.20E-07	5.24E-07	2.87E-07	-2.36E-07
1225	490035.9	3858926.5	1.32E-06	7.03E-07	-6.15E-07	5.00E-07	2.74E-07	-2.26E-07	2.54E-07	1.39E-07	-1.15E-07	5.00E-07	2.74E-07	-2.26E-07
1226	489335.9	3858976.5	3.61E-06	2.00E-06	-1.61E-06	1.37E-06	7.81E-07	-5.89E-07	6.96E-07	3.97E-07	-2.99E-07	1.37E-06	7.81E-07	-5.89E-07
1227	489385.9	3858976.5	3.24E-06	1.78E-06	-1.46E-06	1.23E-06	6.95E-07	-5.34E-07	6.25E-07	3.53E-07	-2.71E-07	1.23E-06	6.95E-07	-5.34E-07
1228	489435.9	3858976.5	2.94E-06	1.61E-06	-1.33E-06	1.12E-06	6.27E-07	-4.89E-07	5.68E-07	3.19E-07	-2.49E-07	1.12E-06	6.27E-07	-4.89E-07
1229	489485.9	3858976.5	2.69E-06	1.47E-06	-1.23E-06	1.02E-06	5.72E-07	-4.51E-07	5.20E-07	2.91E-07	-2.29E-07	1.02E-06	5.72E-07	-4.51E-07
1230	489535.9	3858976.5	2.48E-06	1.35E-06	-1.14E-06	9.42E-07	5.25E-07	-4.17E-07	4.79E-07	2.67E-07	-2.12E-07	9.42E-07	5.25E-07	-4.17E-07
1231	489585.9	3858976.5	2.31E-06	1.25E-06	-1.06E-06	8.76E-07	4.87E-07	-3.89E-07	4.45E-07	2.47E-07	-1.98E-07	8.76E-07	4.87E-07	-3.89E-07
1232	489635.9	3858976.5	2.16E-06	1.16E-06	-9.94E-07	8.18E-07	4.53E-07	-3.65E-07	4.16E-07	2.30E-07	-1.85E-07	8.18E-07	4.53E-07	-3.65E-07
1233	489685.9	3858976.5	2.02E-06	1.09E-06	-9.34E-07	7.67E-07	4.24E-07	-3.43E-07	3.90E-07	2.16E-07	-1.74E-07	7.67E-07	4.24E-07	-3.43E-07
1234	489735.9	3858976.5	1.91E-06	1.02E-06	-8.83E-07	7.23E-07	3.99E-07	-3.24E-07	3.68E-07	2.03E-07	-1.65E-07	7.23E-07	3.99E-07	-3.24E-07
1235	489785.9	3858976.5	1.81E-06	9.69E-07	-8.37E-07	6.85E-07	3.78E-07	-3.07E-07	3.48E-07	1.92E-07	-1.56E-07	6.85E-07	3.78E-07	-3.07E-07
1236	489835.9	3858976.5	1.72E-06	9.19E-07	-7.97E-07	6.51E-07	3.59E-07	-2.92E-07	3.31E-07	1.82E-07	-1.49E-07	6.51E-07	3.59E-07	-2.92E-07
1237	489885.9	3858976.5	1.63E-06	8.73E-07	-7.58E-07	6.19E-07	3.41E-07	-2.78E-07	3.15E-07	1.73E-07	-1.42E-07	6.19E-07	3.41E-07	-2.78E-07
1238	489935.9	3858976.5	1.56E-06	8.33E-07	-7.24E-07	5.90E-07	3.25E-07	-2.66E-07	3.00E-07	1.65E-07	-1.35E-07	5.90E-07	3.25E-07	-2.66E-07
1239	489985.9	3858976.5	1.49E-06	7.95E-07	-6.93E-07	5.64E-07	3.10E-07	-2.54E-07	2.87E-07	1.58E-07	-1.29E-07	5.64E-07	3.10E-07	-2.54E-07
1240	490035.9	3858976.5	1.40E-06	7.49E-07	-6.53E-07	5.32E-07	2.92E-07	-2.40E-07	2.71E-07	1.49E-07	-1.22E-07	5.32E-07	2.92E-07	-2.40E-07
1241	489385.9	3859026.5	3.98E-06	2.20E-06	-1.79E-06	1.51E-06	8.56E-07	-6.54E-07	7.68E-07	4.35E-07	-3.33E-07	1.51E-06	8.56E-07	-6.54E-07
1242	489435.9	3859026.5	3.54E-06	1.94E-06	-1.60E-06	1.34E-06	7.56E-07	-5.86E-07	6.82E-07	3.84E-07	-2.98E-07	1.34E-06	7.56E-07	-5.86E-07
1243	489485.9	3859026.5	3.18E-06	1.73E-06	-1.45E-06	1.21E-06	6.77E-07	-5.30E-07	6.14E-07	3.44E-07	-2.70E-07	1.21E-06	6.77E-07	-5.30E-07
1244	489535.9	3859026.5	2.89E-06	1.57E-06	-1.32E-06	1.10E-06	6.13E-07	-4.84E-07	5.58E-07	3.12E-07	-2.46E-07	1.10E-06	6.13E-07	-4.84E-07
1245	489585.9	3859026.5	2.65E-06	1.44E-06	-1.21E-06	1.01E-06	5.60E-07	-4.46E-07	5.11E-07	2.85E-07	-2.27E-07	1.01E-06	5.60E-07	-4.46E-07
1246	489635.9	3859026.5	2.45E-06	1.32E-06	-1.13E-06	9.30E-07	5.17E-07	-4.13E-07	4.73E-07	2.63E-07	-2.10E-07	9.30E-07	5.17E-07	-4.13E-07
1247	489685.9	3859026.5	2.28E-06	1.23E-06	-1.05E-06	8.65E-07	4.79E-07	-3.85E-07	4.40E-07	2.44E-07	-1.96E-07	8.65E-07	4.79E-07	-3.85E-07
1248	489735.9	3859026.5	2.13E-06	1.15E-06	-9.85E-07	8.09E-07	4.48E-07	-3.61E-07	4.11E-07	2.28E-07	-1.84E-07	8.09E-07	4.48E-07	-3.61E-07
1249	489785.9	3859026.5	2.01E-06	1.08E-06	-9.27E-07	7.61E-07	4.20E-07	-3.40E-07	3.87E-07	2.14E-07	-1.73E-07	7.61E-07	4.20E-07	-3.40E-07
1250	489835.9	3859026.5	1.89E-06	1.01E-06	-8.75E-07	7.17E-07	3.95E-07	-3.21E-07	3.64E-07	2.01E-07	-1.63E-07	7.17E-07	3.95E-07	-3.21E-07
1251	489885.9	3859026.5	1.79E-06	9.59E-07	-8.29E-07	6.78E-07	3.74E-07	-3.04E-07	3.45E-07	1.90E-07	-1.55E-07	6.78E-07	3.74E-07	-3.04E-07
1252	489935.9	3859026.5	1.70E-06	9.09E-07	-7.87E-07	6.44E-07	3.55E-07	-2.89E-07	3.27E-07	1.80E-07	-1.47E-07	6.44E-07	3.55E-07	-2.89E-07
1253	489985.9	3859026.5	1.61E-06	8.64E-07	-7.49E-07	6.12E-07	3.37E-07	-2.75E-07	3.11E-07	1.71E-07	-1.40E-07	6.12E-07	3.37E-07	-2.75E-07
1254	490035.9	3859026.5	1.51E-06	8.07E-07	-7.01E-07	5.72E-07	3.15E-07	-2.57E-07	2.91E-07	1.60E-07	-1.31E-07	5.72E-07	3.15E-07	-2.57E-07
1255	489485.9	3859076.5	3.89E-06	2.13E-06	-1.76E-06	1.48E-06	8.32E-07	-6.44E-07	7.50E-07	4.23E-07	-3.27E-07	1.48E-06	8.32E-07	-6.44E-07
1256	489535.9	3859076.5	3.46E-06	1.89E-06	-1.57E-06	1.31E-06	7.37E-07	-5.76E-07	6.68E-07	3.75E-07	-2.93E-07	1.31E-06	7.37E-07	-5.76E-07
1257	489585.9	3859076.5	3.12E-06	1.70E-06	-1.42E-06	1.18E-06	6.62E-07	-5.22E-07	6.02E-07	3.37E-07	-2.65E-07	1.18E-06	6.62E-07	-5.22E-07
1258	489635.9	3859076.5	2.85E-06	1.54E-06	-1.30E-06	1.08E-06	6.02E-07	-4.78E-07	5.49E-07	3.06E-07	-2.43E-07	1.08E-06	6.02E-07	-4.78E-07
1259	489685.9	3859076.5	2.62E-06	1.42E-06	-1.20E-06	9.93E-07	5.52E-07	-4.41E-07	5.05E-07	2.81E-07	-2.24E-07	9.93E-07	5.52E-07	-4.41E-07
1260	489735.9	3859076.5	2.42E-06	1.31E-06	-1.11E-06	9.19E-07	5.10E-07	-4.09E-07	4.67E-07	2.60E-07	-2.08E-07	9.19E-07	5.10E-07	-4.09E-07
1261	489785.9	3859076.5	2.26E-06	1.22E-06	-1.04E-06	8.56E-07	4.74E-07	-3.82E-07	4.35E-07	2.41E-07	-1.94E-07	8.56E-07	4.74E-07	-3.82E-07
1262	489835.9	3859076.5	2.11E-06	1.14E-06	-9.74E-07	8.00E-07	4.43E-07	-3.57E-07	4.07E-07	2.25E-07	-1.82E-07	8.00E-07	4.43E-07	-3.57E-07
1263	489885.9	3859076.5	1.98E-06	1.07E-06	-9.15E-07	7.51E-07	4.15E-07	-3.36E-07	3.82E-07	2.11E-07	-1.71E-07	7.51E-07	4.15E-07	-3.36E-07
1264	489935.9	3859076.5	1.87E-06	1.00E-06	-8.65E-07	7.09E-07	3.92E-07	-3.18E-07	3.61E-07	1.99E-07	-1.62E-07	7.09E-07	3.92E-07	-3.18E-07
1265	489985.9	3859076.5	1.77E-06	9.49E-07	-8.19E-07	6.70E-07	3.70E-07	-3.00E-07	3.41E-07	1.88E-07	-1.53E-07	6.70E-07	3.70E-07	-3.00E-07
1266	490035.9	3859076.5	1.65E-06	8.84E-07	-7.64E-07	6.25E-07	3.45E-07	-2.80E-07	3.18E-07	1.75E-07	-1.43E-07	6.25E-07	3.45E-07	-2.80E-07
1267	489585.9	3859126.5	3.80E-06	2.08E-06	-1.72E-06	1.44E-06	8.10E-07	-6.32E-07	7.33E-07	4.12E-07	-3.21E-07	1.44E-06	8.10E-07	-6.32E-07
1268	489635.9	3859126.5	3.40E-06	1.85E-06	-1.55E-06	1.29E-06	7.22E-07	-5.68E-07	6.56E-07	3.67E-07	-2.89E-07	1.29E-06	7.22E-07	-5.68E-07
1269	489685.9	3859126.5	3.07E-06	1.67E-06	-1.40E-06	1.17E-06	6.51E-07	-5.15E-07	5.93E-07	3.31E-07	-2.62E-07	1.17E-06	6.51E-07	-5.15E-07
1270	489735.9	3859126.5	2.81E-06	1.52E-06	-1.29E-06	1.06E-06	5.93E-07	-4.71E-07	5.41E-07	3.02E-07	-2.40E-07	1.06E-06	5.93E-07	-4.71E-07
1271	489785.9	3859126.5	2.58E-06	1.40E-06	-1.19E-06	9.80E-07	5.45E-07	-4.35E-07	4.98E-07	2.77E-07	-2.21E-07	9.80E-07	5.45E-07	-4.35E-07
1272	489835.9	3859126.5	2.39E-06	1.29E-06	-1.10E-06	9.07E-07	5.04E-07	-4.03E-07	4.61E-07	2.56E-07	-2.05E-07	9.07E-07	5.04E-07	-4.03E-07
1273	489885.9	3859126.5	2.22E-06	1.20E-06	-1.02E-06	8.43E-07	4.68E-07	-3.76E-07	4.29E-07	2.38E-07	-1.91E-07	8.43E-07	4.68E-07	-3.76E-07
1274	489935.9	3859126.5	2.08E-06	1.12E-06	-9.61E-07	7.90E-07	4.38E-07	-3.52E-07	4.02E-07	2.22E-07	-1.79E-07	7.90E-07	4.38E-07	-3.52E-07
1275	489985.9	3859126.5	1.95E-06	1.05E-06	-8.99E-07	7.39E-07	4.09E-07	-3.30E-07	3.76E-07	2.08E-07	-1.68E-07	7.39E-07	4.09E-07	-3.30E-07
1276	490035.9	3859126.5	1.82E-06	9.79E-07	-8.42E-07	6.91E-07	3.82E-07	-3.09E-07	3.51E-07	1.94E-07	-1.57E-07	6.91E-07	3.82E-07	-3.09E-07
1277	489585.9	3859176.5	4.86E-06	2.67E-06	-2.19E-06	1.84E-06	1.04E-06	-8.03E-07	9.38E-07	5.30E-07	-4.09E-07	1.84E-06	1.04E-06	-8.03E-07
1278	489635.9	3859176.5	4.22E-06	2.31E-06	-1.91E-06	1.60E-06	9.00E-07	-7.01E-07	8.14E-07	4.57E-07	-3.56E-07	1.60E-06	9.00E-07	-7.01E-07
1279	489685.9	3859176.5	3.73E-06	2.03E-06	-1.70E-06	1.41E-06	7.93E-07	-6.22E-07	7.19E-07	4.03E-07	-3.16E-07	1.41E-06	7.93E-07	-6.22E-07
1280	489735.9	3859176.5	3.34E-06	1.82E-06	-1.53E-06	1.27E-06	7.09E-07	-5.59E-07	6.45E-07	3.61E-07	-2.84E-07	1.27E-06	7.09E-07	-5.59E-07
1281	489785.9	3859176.5	3.02E-06	1.64E-06	-1.38E-06	1.15E-06	6.40E-07	-5.07E-07	5.83E-07	3.25E-07	-2.58E-07	1.15E-06	6.40E-07	-5.07E-07
1282	489835.9	3859176.5	2.76E-06	1.50E-06	-1.27E-06	1.05E-06	5.84E-07	-4.64E-07	5.33E-07	2.97E-07	-2.36E-07	1.05E-06	5.84E-07	-4.64E-07
1283	489885.9	3859176.5	2.54E-06	1.37E-06	-1.17E-06	9.64E-07	5.36E-07	-4.28E-07	4.90E-07	2.73E-07	-2.17E-07	9.64E-07	5.36E-07	-4.28E-07
1284	489935.9	3859176.5	2.36E-06	1.27E-06	-1.08E-06	8.94E-07	4.97E-07	-3.97E-07	4.55E-07	2.53E-07	-2.02E-07	8.94E-07	4.97E-07	-3.97E-07
1285	489985.9	3859176.5	2.18E-06	1.18E-06	-1.00E-06	8.28E-07	4.60E-07	-3.69E-07	4.21E-07	2.34E-07	-1.87E-07	8.28E-07	4.60E-07	-3.69E-07
1286	490035.9	3859176.5	2.05E-06	1.10E-06	-9.43E-07	7.77E-07	4.31E-07	-3.46E-07	3.95E-07	2.19E-07	-1.76E-07	7.77E-07	4.31E-07	-3.46E-07
1287	489685.9	3859226.5	4.74E-06	2.59E-06	-2.14E-06	1.80E-06	1.01E-06	-7.86E-07	9.14E-07	5.14E-07	-4.00E-07	1.80E-06	1.01E-06	-7.86E-07
1288	489735.9	3859226.5	4.13E-06	2.26E-06	-1.88E-06	1.57E-06	8.80E-07	-6.88E-07	7.97E-07	4.47E-07	-3.50E-07	1.57E-06	8.80E-07	-6.88E-07
1289	489785.9	3859226.5	3.66E-06	1.99E-06	-1.66E-06	1.39E-06	7.77E-07	-6.10E-07	7.05E-07	3.95E-07	-3.10E-07	1.39E-06	7.77E-07	-6.10E-07
1290	489835.9	3859226.5	3.27E-06	1.78E-06	-1.49E-06	1.24E-06	6.94E-07	-5.47E-07	6.31E-07	3.53E-07	-2.78E-07	1.24E-06	6.94E-07	-5.47E-07
1291	489885.9	3859226.5	2.97E-06	1.61E-06	-1.35E-06	1.13E-06	6.29E-07	-4.97E-07	5.72E-07	3.20E-07	-2.53E-07	1.13E-06	6.29E-07	-4.97E-07
1292	489935.9	3859226.5	2.71E-06	1.47E-06	-1.24E-06	1.03E-06	5.74E-07	-4.55E-07	5.23E-07	2.92E-07	-2.31E-07	1.03E-06	5.74E-07	-4.55E-07
1293	489985.9	3859226.5	2.48E-06	1.34E-06	-1.14E-06	9.40E-07	5.24E-07	-4.16E-07	4.78E-07	2.66E-07	-2.12E-07	9.40E-07	5.24E-07	-4.16E-07
1294	490035.9	3859226.5	2.31E-06	1.25E-06	-1.06E-06	8.75E-07	4.87E-07	-3.88E-07	4.45E-07	2.48E-07	-1.97E-07	8.75E-07	4.87E-07	-3.88E-07
1295	489735.9	3859276.5	5.41E-06	2.97E-06	-2.44E-06	2.05E-06	1.16E-06	-8.94E-07	1.04E-06	5.89E-07	-4.55E-07	2.05E-06	1.16E-06	-8.94E-07
1296	489785.9	3859276.5	4.63E-06	2.53E-06	-2.09E-06	1.75E-06	9.88E-07	-7.67E-07	8.92E-07	5.02E-07	-3.90E-07	1.75E-06	9.88E-07	-7.67E-07
1297	489835.9	3859276.5	4.03E-06	2.20E-06	-1.83E-06	1.53E-06	8.58E-07	-6.69E-07	7.77E-07	4.36E-07	-3.40E-07	1.53E-06	8.58E-07	-6.69E-07
1298	489885.9	3859276.5	3.57E-06	1.95E-06	-1.62E-06	1.36E-06	7.60E-07	-5.95E-07	6.89E-07	3.87E-07	-3.03E-07	1.36E-06	7.60E-07	-5.95E-07
1299	489935.9	3859276.5	3.20E-06	1.74E-06	-1.46E-06	1.21E-06	6.80E-07	-5.34E-07	6.18E-07	3.46E-07	-2.72E-07	1.21E-06	6.80E-07	-5.34E-07
1300	489985.9	3859276.5	2.87E-06	1.56E-06	-1.31E-06	1.09E-06	6.10E-07	-4.81E-07	5.54E-07	3.10E-07	-2.44E-07	1.09E-06	6.10E-07	-4.81E-07
1301	490035.9	3859276.5	2.66E-06	1.44E-06	-1.21E-06	1.01E-06	5.63E-07	-4.45E-07	5.13E-07	2.86E-07	-2.26E-07	1.01E-06	5.63E-07	-4.45E-07
1302	490458.1	3859590.7	4.48E-06	2.46E-06	-2.02E-06	1.70E-06	9.60E-07	-7.41E-07	8.65E-07	4.88E-07	-3.77E-07	1.70E-06	9.60E-07	-7.41E-07
1303	490508.1	3859590.7	3.97E-06	2.18E-06	-1.79E-06	1.50E-06	8.49E-07	-6.56E-07	7.65E-07	4.32E-07	-3.33E-07	1.50E-06	8.49E-07	-6.56E-07
1304	490558.1	3859590.7	3.53E-06	1.94E-06	-1.60E-06	1.34E-06	7.56E-07	-5.85E-07	6.82E-07	3.85E-07	-2.97E-07	1.34E-06	7.56E-07	-5.85E-07
1305	490608.1	3859590.7	3.18E-06	1.74E-06	-1.44E-06	1.21E-06	6.80E-07	-5.26E-07	6.13E-07	3.46E-07	-2.68E-07	1.21E-06	6.80E-07	-5.26E-07
1306	490658.1	3859590.7	2.88E-06	1.58E-06	-1.30E-06	1.09E-06	6.16E-07	-4.77E-07	5.56E-07	3.13E-07	-2.43E-07	1.09E-06	6.16E-07	-4.77E-07
1307	490708.1	3859590.7	2.62E-06	1.44E-06	-1.19E-06	9.96E-07	5.61E-07	-4.35E-07	5.06E-07	2.85E-07	-2.21E-07	9.96E-07	5.61E-07	-4.35E-07
1308	490758.1	3859590.7	2.40E-06	1.31E-06	-1.09E-06	9.09E-07	5.12E-07	-3.98E-07	4.62E-07	2.60E-07	-2.02E-07	9.09E-07	5.12E-07	-3.98E-07
1309	490808.1	3859590.7	2.22E-06	1.21E-06	-1.00E-06	8.41E-07	4.73E-07	-3.68E-07	4.28E-07	2.40E-07	-1.87E-07	8.41E-07	4.73E-07	-3.68E-07
1310	490858.1	3859590.7	2.05E-06	1.12E-06	-9.30E-07	7.79E-07	4.38E-07	-3.41E-07	3.96E-07	2.23E-07	-1.73E-07	7.79E-07	4.38E-07	-3.41E-07
1311	490458.1	3859640.7	6.47E-06	3.57E-06	-2.90E-06	2.45E-06	1.39E-06	-1.06E-06	1.25E-06	7.07E-07	-5.41E-07	2.45E-06	1.39E-06	-1.06E-06
1312	490508.1	3859640.7	5.50E-06	3.03E-06	-2.47E-06	2.09E-06	1.18E-06	-9.05E-07	1.06E-06	6.01E-07	-4.60E-07	2.09E-06	1.18E-06	-9.05E-07
1313	490558.1	3859640.7	4.77E-06	2.63E-06	-2.14E-06	1.81E-06	1.03E-06	-7.86E-07	9.21E-07	5.21E-07	-4.00E-07	1.81E-06	1.03E-06	-7.86E-07
1314	490608.1	3859640.7	4.15E-06	2.28E-06	-1.86E-06	1.57E-06	8.90E-07	-6.83E-07	8.00E-07	4.53E-07	-3.47E-07	1.57E-06	8.90E-07	-6.83E-07

1315	490658.1	3859640.7	3.64E-06	2.00E-06	-1.64E-06	1.38E-06	7.81E-07	-6.00E-07	7.02E-07	3.97E-07	-3.05E-07	1.38E-06	7.81E-07	-6.00E-07
1316	490708.1	3859640.7	3.25E-06	1.79E-06	-1.47E-06	1.23E-06	6.98E-07	-5.37E-07	6.28E-07	3.55E-07	-2.73E-07	1.23E-06	6.98E-07	-5.37E-07
1317	490758.1	3859640.7	2.92E-06	1.61E-06	-1.32E-06	1.11E-06	6.26E-07	-4.83E-07	5.64E-07	3.19E-07	-2.46E-07	1.11E-06	6.26E-07	-4.83E-07
1318	490808.1	3859640.7	2.67E-06	1.47E-06	-1.21E-06	1.01E-06	5.72E-07	-4.42E-07	5.16E-07	2.91E-07	-2.25E-07	1.01E-06	5.72E-07	-4.42E-07
1319	490858.1	3859640.7	2.46E-06	1.35E-06	-1.11E-06	9.33E-07	5.26E-07	-4.07E-07	4.75E-07	2.68E-07	-2.07E-07	9.33E-07	5.26E-07	-4.07E-07
1320	490608.1	3859690.7	5.87E-06	3.25E-06	-2.62E-06	2.23E-06	1.27E-06	-9.61E-07	1.13E-06	6.44E-07	-4.89E-07	2.23E-06	1.27E-06	-9.61E-07
1321	490658.1	3859690.7	4.92E-06	2.72E-06	-2.20E-06	1.87E-06	1.06E-06	-8.06E-07	9.50E-07	5.40E-07	-4.10E-07	1.87E-06	1.06E-06	-8.06E-07
1322	490708.1	3859690.7	4.26E-06	2.35E-06	-1.91E-06	1.62E-06	9.17E-07	-6.99E-07	8.22E-07	4.66E-07	-3.55E-07	1.62E-06	9.17E-07	-6.99E-07
1323	490758.1	3859690.7	3.73E-06	2.06E-06	-1.67E-06	1.41E-06	8.02E-07	-6.12E-07	7.19E-07	4.08E-07	-3.11E-07	1.41E-06	8.02E-07	-6.12E-07
1324	490808.1	3859690.7	3.32E-06	1.83E-06	-1.49E-06	1.26E-06	7.14E-07	-5.47E-07	6.41E-07	3.63E-07	-2.78E-07	1.26E-06	7.14E-07	-5.47E-07
1325	490858.1	3859690.7	3.04E-06	1.67E-06	-1.37E-06	1.15E-06	6.53E-07	-5.01E-07	5.87E-07	3.32E-07	-2.55E-07	1.15E-06	6.53E-07	-5.01E-07
1326	490708.1	3859740.7	6.15E-06	3.42E-06	-2.73E-06	2.33E-06	1.33E-06	-9.99E-07	1.19E-06	6.78E-07	-5.08E-07	2.33E-06	1.33E-06	-9.99E-07
1327	490758.1	3859740.7	5.23E-06	2.90E-06	-2.33E-06	1.98E-06	1.13E-06	-8.53E-07	1.01E-06	5.75E-07	-4.34E-07	1.98E-06	1.13E-06	-8.53E-07
1328	490808.1	3859740.7	4.52E-06	2.50E-06	-2.01E-06	1.71E-06	9.76E-07	-7.38E-07	8.71E-07	4.96E-07	-3.75E-07	1.71E-06	9.76E-07	-7.38E-07
1329	490858.1	3859740.7	3.98E-06	2.20E-06	-1.78E-06	1.51E-06	8.59E-07	-6.52E-07	7.68E-07	4.37E-07	-3.31E-07	1.51E-06	8.59E-07	-6.52E-07
1330	490786.6	3859749.4	5.12E-06	2.84E-06	-2.28E-06	1.94E-06	1.11E-06	-8.34E-07	9.88E-07	5.63E-07	-4.24E-07	1.94E-06	1.11E-06	-8.34E-07
1331	490836.6	3859749.4	4.43E-06	2.46E-06	-1.98E-06	1.68E-06	9.58E-07	-7.24E-07	8.56E-07	4.87E-07	-3.68E-07	1.68E-06	9.58E-07	-7.24E-07
1332	490786.6	3859799.4	8.13E-06	4.55E-06	-3.58E-06	3.09E-06	1.78E-06	-1.31E-06	1.57E-06	9.03E-07	-6.66E-07	3.09E-06	1.78E-06	-1.31E-06
1333	490836.6	3859799.4	6.57E-06	3.67E-06	-2.89E-06	2.49E-06	1.43E-06	-1.06E-06	1.27E-06	7.29E-07	-5.38E-07	2.49E-06	1.43E-06	-1.06E-06
1334	492307.8	3854508.4	1.98E-07	1.18E-07	-8.02E-08	7.52E-08	4.60E-08	-2.92E-08	3.82E-08	2.34E-08	-1.48E-08	7.52E-08	4.60E-08	-2.92E-08
1335	486445.7	3854753.6	2.99E-07	2.36E-07	-6.29E-08	1.13E-07	9.19E-08	-2.13E-08	5.76E-08	4.67E-08	-1.09E-08	1.13E-07	9.19E-08	-2.13E-08
1336	472599.8	3877830.1	1.80E-08	9.85E-09	-8.16E-09	6.83E-09	3.84E-09	-2.99E-09	3.48E-09	1.95E-09	-1.52E-09	6.83E-09	3.84E-09	-2.99E-09
1337	493107.5	3866840.2	3.92E-08	2.17E-08	-1.75E-08	1.49E-08	8.45E-09	-6.41E-09	7.56E-09	4.30E-09	-3.26E-09	1.49E-08	8.45E-09	-6.41E-09
1338	495815.8	3861662.9	1.73E-06	9.49E-07	-7.84E-07	6.57E-07	3.70E-07	-2.87E-07	3.34E-07	1.88E-07	-1.46E-07	6.57E-07	3.70E-07	-2.87E-07
1339	480272.3	3841389.2	3.24E-08	1.79E-08	-1.46E-08	1.23E-08	6.96E-09	-5.34E-09	6.26E-09	3.54E-09	-2.71E-09	1.23E-08	6.96E-09	-5.34E-09
1340	497005.2	3862813.6	6.03E-07	3.30E-07	-2.72E-07	2.29E-07	1.29E-07	-9.97E-08	1.16E-07	6.56E-08	-5.07E-08	2.29E-07	1.29E-07	-9.97E-08
1341	493677.3	3860302.6	6.65E-07	3.62E-07	-3.03E-07	2.52E-07	1.41E-07	-1.11E-07	1.28E-07	7.19E-08	-5.65E-08	2.52E-07	1.41E-07	-1.11E-07
1342	493727.3	3860302.6	6.54E-07	3.56E-07	-2.98E-07	2.48E-07	1.39E-07	-1.09E-07	1.26E-07	7.06E-08	-5.55E-08	2.48E-07	1.39E-07	-1.09E-07
1343	493777.3	3860302.6	6.42E-07	3.49E-07	-2.92E-07	2.43E-07	1.36E-07	-1.07E-07	1.24E-07	6.93E-08	-5.45E-08	2.43E-07	1.36E-07	-1.07E-07
1344	493827.3	3860302.6	6.30E-07	3.43E-07	-2.87E-07	2.39E-07	1.34E-07	-1.05E-07	1.22E-07	6.80E-08	-5.35E-08	2.39E-07	1.34E-07	-1.05E-07
1345	493877.3	3860302.6	6.21E-07	3.38E-07	-2.83E-07	2.36E-07	1.32E-07	-1.04E-07	1.20E-07	6.70E-08	-5.28E-08	2.36E-07	1.32E-07	-1.04E-07
1346	493927.3	3860302.6	6.13E-07	3.34E-07	-2.80E-07	2.33E-07	1.30E-07	-1.03E-07	1.18E-07	6.62E-08	-5.21E-08	2.33E-07	1.30E-07	-1.03E-07
1347	493977.3	3860302.6	5.97E-07	3.25E-07	-2.72E-07	2.27E-07	1.27E-07	-9.98E-08	1.15E-07	6.44E-08	-5.08E-08	2.27E-07	1.27E-07	-9.98E-08
1348	494027.3	3860302.6	5.86E-07	3.19E-07	-2.67E-07	2.22E-07	1.24E-07	-9.80E-08	1.13E-07	6.32E-08	-4.99E-08	2.22E-07	1.24E-07	-9.80E-08
1349	493677.3	3860352.6	6.86E-07	3.74E-07	-3.12E-07	2.60E-07	1.46E-07	-1.14E-07	1.32E-07	7.41E-08	-5.82E-08	2.60E-07	1.46E-07	-1.14E-07
1350	493727.3	3860352.6	6.76E-07	3.68E-07	-3.08E-07	2.56E-07	1.44E-07	-1.13E-07	1.30E-07	7.30E-08	-5.73E-08	2.56E-07	1.44E-07	-1.13E-07
1351	493777.3	3860352.6	6.65E-07	3.62E-07	-3.03E-07	2.52E-07	1.41E-07	-1.11E-07	1.28E-07	7.19E-08	-5.65E-08	2.52E-07	1.41E-07	-1.11E-07
1352	493827.3	3860352.6	6.54E-07	3.56E-07	-2.98E-07	2.48E-07	1.39E-07	-1.09E-07	1.26E-07	7.07E-08	-5.56E-08	2.48E-07	1.39E-07	-1.09E-07
1353	493877.3	3860352.6	6.42E-07	3.50E-07	-2.93E-07	2.44E-07	1.36E-07	-1.07E-07	1.24E-07	6.93E-08	-5.46E-08	2.44E-07	1.36E-07	-1.07E-07
1354	493927.3	3860352.6	6.28E-07	3.42E-07	-2.86E-07	2.38E-07	1.33E-07	-1.05E-07	1.21E-07	6.78E-08	-5.34E-08	2.38E-07	1.33E-07	-1.05E-07
1355	493977.3	3860352.6	6.13E-07	3.34E-07	-2.80E-07	2.33E-07	1.30E-07	-1.02E-07	1.18E-07	6.62E-08	-5.21E-08	2.33E-07	1.30E-07	-1.02E-07
1356	494027.3	3860352.6	6.04E-07	3.29E-07	-2.75E-07	2.29E-07	1.28E-07	-1.01E-07	1.17E-07	6.52E-08	-5.14E-08	2.29E-07	1.28E-07	-1.01E-07
1357	493677.3	3860402.6	7.12E-07	3.88E-07	-3.24E-07	2.70E-07	1.51E-07	-1.19E-07	1.37E-07	7.70E-08	-6.04E-08	2.70E-07	1.51E-07	-1.19E-07
1358	493727.3	3860402.6	7.01E-07	3.82E-07	-3.19E-07	2.66E-07	1.49E-07	-1.17E-07	1.35E-07	7.58E-08	-5.94E-08	2.66E-07	1.49E-07	-1.17E-07
1359	493777.3	3860402.6	6.83E-07	3.72E-07	-3.11E-07	2.59E-07	1.45E-07	-1.14E-07	1.32E-07	7.38E-08	-5.79E-08	2.59E-07	1.45E-07	-1.14E-07
1360	493827.3	3860402.6	6.75E-07	3.68E-07	-3.07E-07	2.56E-07	1.43E-07	-1.13E-07	1.30E-07	7.29E-08	-5.73E-08	2.56E-07	1.43E-07	-1.13E-07
1361	493877.3	3860402.6	6.65E-07	3.62E-07	-3.03E-07	2.52E-07	1.41E-07	-1.11E-07	1.28E-07	7.18E-08	-5.64E-08	2.52E-07	1.41E-07	-1.11E-07
1362	493927.3	3860402.6	6.48E-07	3.53E-07	-2.95E-07	2.46E-07	1.38E-07	-1.08E-07	1.25E-07	7.00E-08	-5.50E-08	2.46E-07	1.38E-07	-1.08E-07
1363	493977.3	3860402.6	6.32E-07	3.44E-07	-2.88E-07	2.40E-07	1.34E-07	-1.06E-07	1.22E-07	6.82E-08	-5.37E-08	2.40E-07	1.34E-07	-1.06E-07
1364	494027.3	3860402.6	6.24E-07	3.40E-07	-2.84E-07	2.37E-07	1.32E-07	-1.04E-07	1.20E-07	6.74E-08	-5.30E-08	2.37E-07	1.32E-07	-1.04E-07
1365	493677.3	3860452.6	7.35E-07	4.01E-07	-3.34E-07	2.79E-07	1.56E-07	-1.22E-07	1.42E-07	7.95E-08	-6.23E-08	2.79E-07	1.56E-07	-1.22E-07
1366	493727.3	3860452.6	7.28E-07	3.97E-07	-3.31E-07	2.76E-07	1.55E-07	-1.21E-07	1.40E-07	7.87E-08	-6.17E-08	2.76E-07	1.55E-07	-1.21E-07
1367	493777.3	3860452.6	7.15E-07	3.90E-07	-3.25E-07	2.71E-07	1.52E-07	-1.19E-07	1.38E-07	7.73E-08	-6.06E-08	2.71E-07	1.52E-07	-1.19E-07
1368	493827.3	3860452.6	6.99E-07	3.81E-07	-3.18E-07	2.65E-07	1.49E-07	-1.17E-07	1.35E-07	7.56E-08	-5.93E-08	2.65E-07	1.49E-07	-1.17E-07
1369	493877.3	3860452.6	6.85E-07	3.73E-07	-3.12E-07	2.60E-07	1.46E-07	-1.14E-07	1.32E-07	7.40E-08	-5.81E-08	2.60E-07	1.46E-07	-1.14E-07
1370	493927.3	3860452.6	6.66E-07	3.63E-07	-3.03E-07	2.53E-07	1.42E-07	-1.11E-07	1.28E-07	7.20E-08	-5.65E-08	2.53E-07	1.42E-07	-1.11E-07
1371	493977.3	3860452.6	6.56E-07	3.57E-07	-2.99E-07	2.49E-07	1.39E-07	-1.09E-07	1.27E-07	7.08E-08	-5.57E-08	2.49E-07	1.39E-07	-1.09E-07
1372	494027.3	3860452.6	6.46E-07	3.52E-07	-2.94E-07	2.45E-07	1.37E-07	-1.08E-07	1.25E-07	6.98E-08	-5.48E-08	2.45E-07	1.37E-07	-1.08E-07
1373	493677.3	3860502.6	7.62E-07	4.16E-07	-3.46E-07	2.89E-07	1.62E-07	-1.27E-07	1.47E-07	8.24E-08	-6.45E-08	2.89E-07	1.62E-07	-1.27E-07
1374	493727.3	3860502.6	7.52E-07	4.10E-07	-3.42E-07	2.85E-07	1.60E-07	-1.25E-07	1.45E-07	8.14E-08	-6.37E-08	2.85E-07	1.60E-07	-1.25E-07
1375	493777.3	3860502.6	7.39E-07	4.03E-07	-3.36E-07	2.80E-07	1.57E-07	-1.23E-07	1.42E-07	7.99E-08	-6.26E-08	2.80E-07	1.57E-07	-1.23E-07
1376	493827.3	3860502.6	7.26E-07	3.96E-07	-3.30E-07	2.75E-07	1.54E-07	-1.21E-07	1.40E-07	7.85E-08	-6.16E-08	2.75E-07	1.54E-07	-1.21E-07
1377	493877.3	3860502.6	7.09E-07	3.87E-07	-3.23E-07	2.69E-07	1.51E-07	-1.18E-07	1.37E-07	7.67E-08	-6.01E-08	2.69E-07	1.51E-07	-1.18E-07
1378	493927.3	3860502.6	6.92E-07	3.77E-07	-3.15E-07	2.62E-07	1.47E-07	-1.15E-07	1.33E-07	7.48E-08	-5.87E-08	2.62E-07	1.47E-07	-1.15E-07
1379	493977.3	3860502.6	6.82E-07	3.72E-07	-3.10E-07	2.59E-07	1.45E-07	-1.14E-07	1.32E-07	7.37E-08	-5.78E-08	2.59E-07	1.45E-07	-1.14E-07
1380	494027.3	3860502.6	6.71E-07	3.65E-07	-3.05E-07	2.54E-07	1.42E-07	-1.12E-07	1.29E-07	7.25E-08	-5.69E-08	2.54E-07	1.42E-07	-1.12E-07
1381	493627.3	3860552.6	8.06E-07	4.40E-07	-3.66E-07	3.06E-07	1.72E-07	-1.34E-07	1.56E-07	8.73E-08	-6.83E-08	3.06E-07	1.72E-07	-1.34E-07
1382	493677.3	3860552.6	7.95E-07	4.34E-07	-3.61E-07	3.02E-07	1.69E-07	-1.32E-07	1.53E-07	8.60E-08	-6.73E-08	3.02E-07	1.69E-07	-1.32E-07
1383	493727.3	3860552.6	7.83E-07	4.27E-07	-3.56E-07	2.97E-07	1.67E-07	-1.30E-07	1.51E-07	8.47E-08	-6.63E-08	2.97E-07	1.67E-07	-1.30E-07
1384	493777.3	3860552.6	7.67E-07	4.19E-07	-3.49E-07	2.91E-07	1.63E-07	-1.28E-07	1.48E-07	8.30E-08	-6.50E-08	2.91E-07	1.63E-07	-1.28E-07
1385	493827.3	3860552.6	7.50E-07	4.09E-07	-3.41E-07	2.84E-07	1.60E-07	-1.25E-07	1.45E-07	8.11E-08	-6.35E-08	2.84E-07	1.60E-07	-1.25E-07
1386	493877.3	3860552.6	7.38E-07	4.03E-07	-3.35E-07	2.80E-07	1.57E-07	-1.23E-07	1.42E-07	7.99E-08	-6.25E-08	2.80E-07	1.57E-07	-1.23E-07
1387	493927.3	3860552.6	7.22E-07	3.94E-07	-3.28E-07	2.74E-07	1.54E-07	-1.20E-07	1.39E-07	7.82E-08	-6.12E-08	2.74E-07	1.54E-07	-1.20E-07
1388	493977.3	3860552.6	7.06E-07	3.85E-07	-3.21E-07	2.68E-07	1.50E-07	-1.18E-07	1.36E-07	7.64E-08	-5.99E-08	2.68E-07	1.50E-07	-1.18E-07
1389	494027.3	3860552.6	6.96E-07	3.79E-07	-3.17E-07	2.64E-07	1.48E-07	-1.16E-07	1.34E-07	7.53E-08	-5.90E-08	2.64E-07	1.48E-07	-1.16E-07
1390	493627.3	3860602.6	8.39E-07	4.58E-07	-3.81E-07	3.18E-07	1.79E-07	-1.40E-07	1.62E-07	9.08E-08	-7.09E-08	3.18E-07	1.79E-07	-1.40E-07
1391	493727.3	3860602.6	8.17E-07	4.46E-07	-3.71E-07	3.10E-07	1.74E-07	-1.36E-07	1.58E-07	8.84E-08	-6.92E-08	3.10E-07	1.74E-07	-1.36E-07
1392	493777.3	3860602.6	7.97E-07	4.35E-07	-3.62E-07	3.02E-07	1.70E-07	-1.33E-07	1.54E-07	8.62E-08	-6.75E-08	3.02E-07	1.70E-07	-1.33E-07
1393	493827.3	3860602.6	7.82E-07	4.27E-07	-3.55E-07	2.97E-07	1.66E-07	-1.30E-07	1.51E-07	8.46E-08	-6.62E-08	2.97E-07	1.66E-07	-1.30E-07
1394	493877.3	3860602.6	7.64E-07	4.17E-07	-3.47E-07	2.90E-07	1.63E-07	-1.27E-07	1.47E-07	8.27E-08	-6.47E-08	2.90E-07	1.63E-07	-1.27E-07
1395	493927.3	3860602.6	7.49E-07	4.09E-07	-3.40E-07	2.84E-07	1.59E-07	-1.25E-07	1.44E-07	8.10E-08	-6.34E-08	2.84E-07	1.59E-07	-1.25E-07
1396	493977.3	3860602.6	7.34E-07	4.00E-07	-3.34E-07	2.78E-07	1.56E-07	-1.22E-07	1.42E-07	7.94E-08	-6.22E-08	2.78E-07	1.56E-07	-1.22E-07
1397	494027.3	3860602.6	7.25E-07	3.95E-07	-3.29E-07	2.75E-07	1.54E-07	-1.21E-07	1.40E-07	7.84E-08	-6.14E-08	2.75E-07	1.54E-07	-1.21E-07
1398	493627.3	3860652.6	8.76E-07	4.79E-07	-3.98E-07	3.32E-07	1.87E-07	-1.46E-07	1.69E-07	9.50E-08	-7.41E-08	3.32E-07	1.87E-07	-1.46E-07
1399	493727.3	3860652.6	8.51E-07	4.65E-07	-3.86E-07	3.23E-07	1.81E-07	-1.42E-07	1.64E-07	9.22E-08	-7.20E-08	3.23E-07	1.81E-07	-1.42E-07
1400	493777.3	3860652.6	8.32E-07	4.54E-07	-3.78E-07	3.16E-07	1.77E-07	-1.38E-07	1.60E-07	9.01E-08	-7.04E-08	3.16E-07	1.77E-07	-1.38E-07
1401	493827.3	3860652.6	8.13E-07	4.44E-07	-3.69E-07	3.09E-07	1.73E-07	-1.35E-07	1.57E-07	8.81E-08	-6.88E-08	3.09E-07	1.73E-07	-1.35E-07
1402	493877.3	3860652.6	7.94E-07	4.33E-07	-3.61E-07	3.01E-07	1.69E-07	-1.32E-07	1.53E-07	8.60E-08	-6.72E-08	3.01E-07	1.69E-07	-1.32E-07
1403	493927.3	3860652.6	7.79E-07	4.25E-07	-3.54E-07	2.96E-07	1.66E-07	-1.30E-07	1.50E-07	8.43E-08	-6.60E-08	2.96E-07	1.66E-07	-1.30E-07
1404	493977.3	3860652.6	7.66E-07	4.18E-07	-3.48E-07	2.90E-07	1.63E-07	-1.27E-07	1.48E-07	8.29E-08	-6.48E-08	2.90E-07	1.63E-07	-1.27E-07
1405	494027.3	3860652.6	7.49E-07	4.09E-07	-3.41E-07	2.84E-07	1.59E-07	-1.25E-07	1.45E-07	8.11E-08	-6.35E-08	2.84E-07	1.59E-07	-1.25E-07
1406	494311.1	3858402	2.09E-07	1.14E-07	-9.53E-08	7.93E-08	4.43E-08	-3.49E-08	4.03E-08	2.25E-08	-1.78E-08	7.93E-08	4.43E-08	-3.49E-08
1407	494361.1	3858402	2.07E-07	1.13E-07	-9.45E-08	7.86E-08	4.39E-08	-3.46E-08	4.00E-08	2.23E-08	-1.76E-08	7.86E-08	4.39E-08	-3.46E-08
1408	494411.1	3858402	2.05E-07	1.12E-07	-9.35E-08	7.79E-08	4.36E-08	-3.43E-08	3.96E-08	2.22E-08	-1.74E-08	7.79E-08	4.36E-08	-3.43E-08

1409	494461.1	3858402	2.04E-07	1.11E-07	-9.31E-08	7.76E-08	4.34E-08	-3.41E-08	3.94E-08	2.21E-08	-1.74E-08	7.76E-08	4.34E-08	-3.41E-08
1410	494511.1	3858402	2.03E-07	1.10E-07	-9.27E-08	7.71E-08	4.31E-08	-3.40E-08	3.92E-08	2.19E-08	-1.73E-08	7.71E-08	4.31E-08	-3.40E-08
1411	494561.1	3858402	2.02E-07	1.10E-07	-9.22E-08	7.67E-08	4.29E-08	-3.38E-08	3.90E-08	2.18E-08	-1.72E-08	7.67E-08	4.29E-08	-3.38E-08
1412	494611.1	3858402	2.00E-07	1.09E-07	-9.13E-08	7.60E-08	4.26E-08	-3.35E-08	3.87E-08	2.16E-08	-1.70E-08	7.60E-08	4.26E-08	-3.35E-08
1413	494661.1	3858402	1.99E-07	1.08E-07	-9.07E-08	7.55E-08	4.23E-08	-3.33E-08	3.84E-08	2.15E-08	-1.69E-08	7.55E-08	4.23E-08	-3.33E-08
1414	494711.1	3858402	1.97E-07	1.07E-07	-8.99E-08	7.48E-08	4.19E-08	-3.30E-08	3.81E-08	2.13E-08	-1.68E-08	7.48E-08	4.19E-08	-3.30E-08
1415	494761.1	3858402	1.96E-07	1.07E-07	-8.95E-08	7.45E-08	4.17E-08	-3.28E-08	3.79E-08	2.12E-08	-1.67E-08	7.45E-08	4.17E-08	-3.28E-08
1416	494811.1	3858402	1.95E-07	1.06E-07	-8.90E-08	7.40E-08	4.14E-08	-3.26E-08	3.76E-08	2.10E-08	-1.66E-08	7.40E-08	4.14E-08	-3.26E-08
1417	494861.1	3858402	1.94E-07	1.05E-07	-8.82E-08	7.35E-08	4.11E-08	-3.24E-08	3.74E-08	2.09E-08	-1.65E-08	7.35E-08	4.11E-08	-3.24E-08
1418	494911.1	3858402	1.92E-07	1.05E-07	-8.76E-08	7.30E-08	4.08E-08	-3.21E-08	3.71E-08	2.08E-08	-1.63E-08	7.30E-08	4.08E-08	-3.21E-08
1419	494961.1	3858402	1.91E-07	1.04E-07	-8.70E-08	7.24E-08	4.05E-08	-3.19E-08	3.68E-08	2.06E-08	-1.62E-08	7.24E-08	4.05E-08	-3.19E-08
1420	495011.1	3858402	1.90E-07	1.03E-07	-8.65E-08	7.19E-08	4.02E-08	-3.17E-08	3.66E-08	2.04E-08	-1.61E-08	7.19E-08	4.02E-08	-3.17E-08
1421	495061.1	3858402	1.88E-07	1.02E-07	-8.59E-08	7.14E-08	3.99E-08	-3.15E-08	3.63E-08	2.03E-08	-1.60E-08	7.14E-08	3.99E-08	-3.15E-08
1422	495111.1	3858402	1.86E-07	1.01E-07	-8.49E-08	7.06E-08	3.94E-08	-3.11E-08	3.59E-08	2.01E-08	-1.58E-08	7.06E-08	3.94E-08	-3.11E-08
1423	495161.1	3858402	1.85E-07	1.01E-07	-8.44E-08	7.02E-08	3.93E-08	-3.09E-08	3.57E-08	2.00E-08	-1.57E-08	7.02E-08	3.93E-08	-3.09E-08
1424	495211.1	3858402	1.83E-07	9.96E-08	-8.37E-08	6.95E-08	3.89E-08	-3.07E-08	3.54E-08	1.98E-08	-1.56E-08	6.95E-08	3.89E-08	-3.07E-08
1425	495261.1	3858402	1.82E-07	9.90E-08	-8.29E-08	6.90E-08	3.86E-08	-3.04E-08	3.51E-08	1.96E-08	-1.55E-08	6.90E-08	3.86E-08	-3.04E-08
1426	495311.1	3858402	1.81E-07	9.84E-08	-8.27E-08	6.87E-08	3.84E-08	-3.03E-08	3.49E-08	1.95E-08	-1.54E-08	6.87E-08	3.84E-08	-3.03E-08
1427	495361.1	3858402	1.80E-07	9.79E-08	-8.22E-08	6.83E-08	3.82E-08	-3.02E-08	3.48E-08	1.94E-08	-1.53E-08	6.83E-08	3.82E-08	-3.02E-08
1428	495411.1	3858402	1.79E-07	9.75E-08	-8.17E-08	6.80E-08	3.80E-08	-3.00E-08	3.46E-08	1.93E-08	-1.52E-08	6.80E-08	3.80E-08	-3.00E-08
1429	495461.1	3858402	1.79E-07	9.73E-08	-8.15E-08	6.78E-08	3.79E-08	-2.99E-08	3.45E-08	1.93E-08	-1.52E-08	6.78E-08	3.79E-08	-2.99E-08
1430	495511.1	3858402	1.78E-07	9.69E-08	-8.14E-08	6.77E-08	3.78E-08	-2.99E-08	3.44E-08	1.92E-08	-1.52E-08	6.77E-08	3.78E-08	-2.99E-08
1431	495561.1	3858402	1.77E-07	9.63E-08	-8.07E-08	6.71E-08	3.76E-08	-2.96E-08	3.41E-08	1.91E-08	-1.50E-08	6.71E-08	3.76E-08	-2.96E-08
1432	495611.1	3858402	1.77E-07	9.59E-08	-8.06E-08	6.70E-08	3.74E-08	-2.96E-08	3.41E-08	1.90E-08	-1.50E-08	6.70E-08	3.74E-08	-2.96E-08
1433	495661.1	3858402	1.77E-07	9.62E-08	-8.08E-08	6.71E-08	3.75E-08	-2.96E-08	3.41E-08	1.91E-08	-1.51E-08	6.71E-08	3.75E-08	-2.96E-08
1434	494311.1	3858452	2.14E-07	1.16E-07	-9.74E-08	8.12E-08	4.54E-08	-3.57E-08	4.13E-08	2.31E-08	-1.82E-08	8.12E-08	4.54E-08	-3.57E-08
1435	494361.1	3858452	2.12E-07	1.15E-07	-9.66E-08	8.05E-08	4.50E-08	-3.54E-08	4.09E-08	2.29E-08	-1.80E-08	8.05E-08	4.50E-08	-3.54E-08
1436	494411.1	3858452	2.11E-07	1.15E-07	-9.61E-08	8.00E-08	4.47E-08	-3.52E-08	4.07E-08	2.27E-08	-1.79E-08	8.00E-08	4.47E-08	-3.52E-08
1437	494461.1	3858452	2.09E-07	1.14E-07	-9.52E-08	7.93E-08	4.44E-08	-3.49E-08	4.03E-08	2.26E-08	-1.77E-08	7.93E-08	4.44E-08	-3.49E-08
1438	494511.1	3858452	2.08E-07	1.13E-07	-9.48E-08	7.89E-08	4.42E-08	-3.47E-08	4.01E-08	2.25E-08	-1.77E-08	7.89E-08	4.42E-08	-3.47E-08
1439	494561.1	3858452	2.06E-07	1.12E-07	-9.40E-08	7.82E-08	4.38E-08	-3.44E-08	3.98E-08	2.23E-08	-1.75E-08	7.82E-08	4.38E-08	-3.44E-08
1440	494611.1	3858452	2.05E-07	1.12E-07	-9.33E-08	7.77E-08	4.35E-08	-3.42E-08	3.95E-08	2.21E-08	-1.74E-08	7.77E-08	4.35E-08	-3.42E-08
1441	494661.1	3858452	2.04E-07	1.11E-07	-9.27E-08	7.72E-08	4.32E-08	-3.40E-08	3.93E-08	2.20E-08	-1.73E-08	7.72E-08	4.32E-08	-3.40E-08
1442	494711.1	3858452	2.02E-07	1.10E-07	-9.18E-08	7.65E-08	4.29E-08	-3.37E-08	3.89E-08	2.18E-08	-1.71E-08	7.65E-08	4.29E-08	-3.37E-08
1443	494761.1	3858452	2.00E-07	1.09E-07	-9.13E-08	7.60E-08	4.26E-08	-3.35E-08	3.87E-08	2.16E-08	-1.70E-08	7.60E-08	4.26E-08	-3.35E-08
1444	494811.1	3858452	1.99E-07	1.08E-07	-9.07E-08	7.55E-08	4.23E-08	-3.33E-08	3.84E-08	2.15E-08	-1.69E-08	7.55E-08	4.23E-08	-3.33E-08
1445	494861.1	3858452	1.97E-07	1.07E-07	-8.99E-08	7.48E-08	4.19E-08	-3.30E-08	3.81E-08	2.13E-08	-1.68E-08	7.48E-08	4.19E-08	-3.30E-08
1446	494911.1	3858452	1.95E-07	1.06E-07	-8.91E-08	7.41E-08	4.15E-08	-3.27E-08	3.77E-08	2.11E-08	-1.66E-08	7.41E-08	4.15E-08	-3.27E-08
1447	494961.1	3858452	1.94E-07	1.06E-07	-8.84E-08	7.36E-08	4.12E-08	-3.24E-08	3.74E-08	2.10E-08	-1.65E-08	7.36E-08	4.12E-08	-3.24E-08
1448	495011.1	3858452	1.92E-07	1.05E-07	-8.76E-08	7.30E-08	4.08E-08	-3.21E-08	3.71E-08	2.08E-08	-1.63E-08	7.30E-08	4.08E-08	-3.21E-08
1449	495061.1	3858452	1.91E-07	1.04E-07	-8.72E-08	7.26E-08	4.06E-08	-3.20E-08	3.69E-08	2.07E-08	-1.63E-08	7.26E-08	4.06E-08	-3.20E-08
1450	495111.1	3858452	1.90E-07	1.03E-07	-8.64E-08	7.19E-08	4.02E-08	-3.17E-08	3.66E-08	2.05E-08	-1.61E-08	7.19E-08	4.02E-08	-3.17E-08
1451	495161.1	3858452	1.88E-07	1.02E-07	-8.56E-08	7.12E-08	3.99E-08	-3.14E-08	3.62E-08	2.03E-08	-1.60E-08	7.12E-08	3.99E-08	-3.14E-08
1452	495211.1	3858452	1.86E-07	1.01E-07	-8.51E-08	7.07E-08	3.95E-08	-3.12E-08	3.60E-08	2.01E-08	-1.59E-08	7.07E-08	3.95E-08	-3.12E-08
1453	495261.1	3858452	1.85E-07	1.01E-07	-8.45E-08	7.02E-08	3.92E-08	-3.10E-08	3.57E-08	2.00E-08	-1.58E-08	7.02E-08	3.92E-08	-3.10E-08
1454	495311.1	3858452	1.84E-07	1.00E-07	-8.38E-08	6.97E-08	3.90E-08	-3.07E-08	3.54E-08	1.98E-08	-1.56E-08	6.97E-08	3.90E-08	-3.07E-08
1455	495361.1	3858452	1.83E-07	9.95E-08	-8.33E-08	6.94E-08	3.88E-08	-3.06E-08	3.53E-08	1.97E-08	-1.55E-08	6.94E-08	3.88E-08	-3.06E-08
1456	495411.1	3858452	1.82E-07	9.92E-08	-8.31E-08	6.92E-08	3.87E-08	-3.05E-08	3.52E-08	1.97E-08	-1.55E-08	6.92E-08	3.87E-08	-3.05E-08
1457	495461.1	3858452	1.82E-07	9.90E-08	-8.29E-08	6.90E-08	3.86E-08	-3.04E-08	3.51E-08	1.96E-08	-1.55E-08	6.90E-08	3.86E-08	-3.04E-08
1458	495511.1	3858452	1.81E-07	9.85E-08	-8.25E-08	6.87E-08	3.84E-08	-3.03E-08	3.49E-08	1.95E-08	-1.54E-08	6.87E-08	3.84E-08	-3.03E-08
1459	495561.1	3858452	1.81E-07	9.83E-08	-8.23E-08	6.85E-08	3.83E-08	-3.02E-08	3.48E-08	1.95E-08	-1.54E-08	6.85E-08	3.83E-08	-3.02E-08
1460	495611.1	3858452	1.80E-07	9.78E-08	-8.19E-08	6.82E-08	3.81E-08	-3.00E-08	3.47E-08	1.94E-08	-1.53E-08	6.82E-08	3.81E-08	-3.00E-08
1461	495661.1	3858452	1.79E-07	9.75E-08	-8.17E-08	6.80E-08	3.80E-08	-3.00E-08	3.46E-08	1.93E-08	-1.52E-08	6.80E-08	3.80E-08	-3.00E-08
1462	494311.1	3858502	2.18E-07	1.19E-07	-9.94E-08	8.27E-08	4.62E-08	-3.64E-08	4.21E-08	2.35E-08	-1.85E-08	8.27E-08	4.62E-08	-3.64E-08
1463	494361.1	3858502	2.17E-07	1.18E-07	-9.88E-08	8.22E-08	4.60E-08	-3.62E-08	4.18E-08	2.34E-08	-1.84E-08	8.22E-08	4.60E-08	-3.62E-08
1464	494411.1	3858502	2.15E-07	1.17E-07	-9.80E-08	8.15E-08	4.56E-08	-3.59E-08	4.14E-08	2.32E-08	-1.83E-08	8.15E-08	4.56E-08	-3.59E-08
1465	494461.1	3858502	2.13E-07	1.16E-07	-9.72E-08	8.10E-08	4.53E-08	-3.56E-08	4.12E-08	2.31E-08	-1.81E-08	8.10E-08	4.53E-08	-3.56E-08
1466	494511.1	3858502	2.12E-07	1.15E-07	-9.65E-08	8.03E-08	4.49E-08	-3.54E-08	4.08E-08	2.28E-08	-1.80E-08	8.03E-08	4.49E-08	-3.54E-08
1467	494561.1	3858502	2.11E-07	1.15E-07	-9.62E-08	8.01E-08	4.49E-08	-3.53E-08	4.07E-08	2.28E-08	-1.79E-08	8.01E-08	4.49E-08	-3.53E-08
1468	494611.1	3858502	2.09E-07	1.14E-07	-9.54E-08	7.94E-08	4.45E-08	-3.50E-08	4.04E-08	2.26E-08	-1.78E-08	7.94E-08	4.45E-08	-3.50E-08
1469	494661.1	3858502	2.08E-07	1.13E-07	-9.48E-08	7.89E-08	4.42E-08	-3.47E-08	4.01E-08	2.25E-08	-1.77E-08	7.89E-08	4.42E-08	-3.47E-08
1470	494711.1	3858502	2.06E-07	1.12E-07	-9.40E-08	7.82E-08	4.38E-08	-3.44E-08	3.98E-08	2.23E-08	-1.75E-08	7.82E-08	4.38E-08	-3.44E-08
1471	494761.1	3858502	2.04E-07	1.11E-07	-9.31E-08	7.76E-08	4.34E-08	-3.41E-08	3.94E-08	2.21E-08	-1.74E-08	7.76E-08	4.34E-08	-3.41E-08
1472	494811.1	3858502	2.03E-07	1.10E-07	-9.23E-08	7.69E-08	4.30E-08	-3.38E-08	3.91E-08	2.19E-08	-1.72E-08	7.69E-08	4.30E-08	-3.38E-08
1473	494861.1	3858502	2.01E-07	1.10E-07	-9.17E-08	7.64E-08	4.27E-08	-3.36E-08	3.88E-08	2.17E-08	-1.71E-08	7.64E-08	4.27E-08	-3.36E-08
1474	494911.1	3858502	1.99E-07	1.08E-07	-9.07E-08	7.55E-08	4.23E-08	-3.33E-08	3.84E-08	2.15E-08	-1.69E-08	7.55E-08	4.23E-08	-3.33E-08
1475	494961.1	3858502	1.98E-07	1.08E-07	-9.01E-08	7.50E-08	4.20E-08	-3.30E-08	3.81E-08	2.13E-08	-1.68E-08	7.50E-08	4.20E-08	-3.30E-08
1476	495011.1	3858502	1.96E-07	1.07E-07	-8.93E-08	7.43E-08	4.16E-08	-3.27E-08	3.78E-08	2.12E-08	-1.66E-08	7.43E-08	4.16E-08	-3.27E-08
1477	495061.1	3858502	1.95E-07	1.06E-07	-8.87E-08	7.38E-08	4.13E-08	-3.25E-08	3.75E-08	2.10E-08	-1.65E-08	7.38E-08	4.13E-08	-3.25E-08
1478	495111.1	3858502	1.92E-07	1.05E-07	-8.76E-08	7.30E-08	4.08E-08	-3.21E-08	3.71E-08	2.08E-08	-1.63E-08	7.30E-08	4.08E-08	-3.21E-08
1479	495161.1	3858502	1.91E-07	1.04E-07	-8.71E-08	7.24E-08	4.05E-08	-3.20E-08	3.68E-08	2.06E-08	-1.62E-08	7.24E-08	4.05E-08	-3.20E-08
1480	495211.1	3858502	1.89E-07	1.03E-07	-8.62E-08	7.18E-08	4.01E-08	-3.16E-08	3.65E-08	2.04E-08	-1.61E-08	7.18E-08	4.01E-08	-3.16E-08
1481	495261.1	3858502	1.88E-07	1.02E-07	-8.59E-08	7.14E-08	3.99E-08	-3.15E-08	3.63E-08	2.03E-08	-1.60E-08	7.14E-08	3.99E-08	-3.15E-08
1482	495311.1	3858502	1.87E-07	1.02E-07	-8.55E-08	7.11E-08	3.97E-08	-3.14E-08	3.61E-08	2.02E-08	-1.59E-08	7.11E-08	3.97E-08	-3.14E-08
1483	495361.1	3858502	1.86E-07	1.01E-07	-8.51E-08	7.07E-08	3.95E-08	-3.12E-08	3.60E-08	2.01E-08	-1.59E-08	7.07E-08	3.95E-08	-3.12E-08
1484	495411.1	3858502	1.86E-07	1.01E-07	-8.46E-08	7.04E-08	3.94E-08	-3.10E-08	3.58E-08	2.00E-08	-1.58E-08	7.04E-08	3.94E-08	-3.10E-08
1485	495461.1	3858502	1.85E-07	1.01E-07	-8.44E-08	7.02E-08	3.93E-08	-3.09E-08	3.57E-08	2.00E-08	-1.57E-08	7.02E-08	3.93E-08	-3.09E-08
1486	495511.1	3858502	1.84E-07	1.00E-07	-8.40E-08	6.99E-08	3.91E-08	-3.08E-08	3.55E-08	1.99E-08	-1.57E-08	6.99E-08	3.91E-08	-3.08E-08
1487	495561.1	3858502	1.84E-07	1.00E-07	-8.40E-08	6.99E-08	3.91E-08	-3.08E-08	3.55E-08	1.99E-08	-1.57E-08	6.99E-08	3.91E-08	-3.08E-08
1488	495611.1	3858502	1.83E-07	9.95E-08	-8.33E-08	6.94E-08	3.88E-08	-3.06E-08	3.53E-08	1.97E-08	-1.55E-08	6.94E-08	3.88E-08	-3.06E-08
1489	495661.1	3858502	1.82E-07	9.94E-08	-8.30E-08	6.92E-08	3.88E-08	-3.04E-08	3.52E-08	1.97E-08	-1.55E-08	6.92E-08	3.88E-08	-3.04E-08
1490	494311.1	3858552	2.19E-07	1.19E-07	-1.00E-07	8.32E-08	4.65E-08	-3.67E-08	4.23E-08	2.37E-08	-1.86E-08	8.32E-08	4.65E-08	-3.67E-08
1491	494361.1	3858552	2.19E-07	1.19E-07	-1.00E-07	8.32E-08	4.65E-08	-3.67E-08	4.23E-08	2.37E-08	-1.86E-08	8.32E-08	4.65E-08	-3.67E-08
1492	494411.1	3858552	2.20E-07	1.20E-07	-1.00E-07	8.34E-08	4.66E-08	-3.67E-08	4.24E-08	2.37E-08	-1.87E-08	8.34E-08	4.66E-08	-3.67E-08
1493	494461.1	3858552	2.19E-07	1.19E-07	-9.98E-08	8.30E-08	4.64E-08	-3.66E-08	4.22E-08	2.36E-08	-1.86E-08	8.30E-08	4.64E-08	-3.66E-08
1494	494511.1	3858552	2.18E-07	1.18E-07	-9.92E-08	8.25E-08	4.62E-08	-3.64E-08	4.20E-08	2.35E-08	-1.85E-08	8.25E-08	4.62E-08	-3.64E-08
1495	494561.1	3858552	2.16E-07	1.18E-07	-9.84E-08	8.20E-08	4.59E-08	-3.61E-08	4.17E-08	2.33E-08	-1.84E-08	8.20E-08	4.59E-08	-3.61E-08
1496	494611.1	3858552	2.15E-07	1.17E-07	-9.78E-08	8.15E-08	4.56E-08	-3.59E-08	4.14E-08	2.32E-08	-1.82E-08	8.15E-08	4.56E-08	-3.59E-08
1497	494661.1	3858552	2.13E-07	1.16E-07	-9.72E-08	8.10E-08	4.53E-08	-3.56E-08	4.12E-08	2.31E-08	-1.81E-08	8.10E-08	4.53E-08	-3.56E-08
1498	494711.1	3858552	2.11E-07	1.15E-07	-9.62E-08	8.01E-08	4.49E-08	-3.53E-08	4.07E-08	2.28E-08	-1.79E-08	8.01E-08	4.49E-08	-3.53E-08
1499	494761.1	3858552	2.09E-07	1.14E-07	-9.52E-08	7.93E-08	4.44E-08	-3.49E-08	4.03E-08	2.26E-08	-1.77E-08	7.93E-08	4.44E-08	-3.49E-08
1500	494811.1	3858552	2.07E-07	1.13E-07	-9.42E-08	7.86E-08	4.40E-08	-3.45E-08	4.00E-08	2.24E-08	-1.76E-08	7.86E-08	4.40E-08	-3.45E-08
1501	494861.1	3858552	2.05E-07	1.12E-07	-9.35E-08	7.79E-08	4.36E-08	-3.43E-08	3.96E-08	2.22E-08	-1.74E-08	7.79E-08	4.36E-08	-3.43E-08
1502	494911.1	3858552	2.03E-07	1.11E-07	-9.24E-08	7.71E-08	4.32E-08	-3.39E-08	3.92E-08	2.20E-08	-1.72E-08	7.71E-08	4.32E-08	-3.39E-08

1503	494961.1	3858552	2.01E-07	1.10E-07	-9.16E-08	7.64E-08	4.28E-08	-3.36E-08	3.88E-08	2.18E-08	-1.71E-08	7.64E-08	4.28E-08	-3.36E-08
1504	495011.1	3858552	1.99E-07	1.08E-07	-9.06E-08	7.55E-08	4.23E-08	-3.32E-08	3.84E-08	2.15E-08	-1.69E-08	7.55E-08	4.23E-08	-3.32E-08
1505	495061.1	3858552	1.98E-07	1.08E-07	-9.00E-08	7.50E-08	4.20E-08	-3.30E-08	3.81E-08	2.14E-08	-1.68E-08	7.50E-08	4.20E-08	-3.30E-08
1506	495111.1	3858552	1.95E-07	1.06E-07	-8.91E-08	7.41E-08	4.15E-08	-3.27E-08	3.77E-08	2.11E-08	-1.66E-08	7.41E-08	4.15E-08	-3.27E-08
1507	495161.1	3858552	1.94E-07	1.05E-07	-8.82E-08	7.35E-08	4.11E-08	-3.24E-08	3.74E-08	2.09E-08	-1.65E-08	7.35E-08	4.11E-08	-3.24E-08
1508	495211.1	3858552	1.92E-07	1.05E-07	-8.76E-08	7.30E-08	4.08E-08	-3.21E-08	3.71E-08	2.08E-08	-1.63E-08	7.30E-08	4.08E-08	-3.21E-08
1509	495261.1	3858552	1.91E-07	1.04E-07	-8.70E-08	7.24E-08	4.05E-08	-3.19E-08	3.68E-08	2.06E-08	-1.62E-08	7.24E-08	4.05E-08	-3.19E-08
1510	495311.1	3858552	1.90E-07	1.04E-07	-8.68E-08	7.23E-08	4.04E-08	-3.18E-08	3.68E-08	2.06E-08	-1.62E-08	7.23E-08	4.04E-08	-3.18E-08
1511	495361.1	3858552	1.90E-07	1.03E-07	-8.64E-08	7.19E-08	4.02E-08	-3.17E-08	3.66E-08	2.05E-08	-1.61E-08	7.19E-08	4.02E-08	-3.17E-08
1512	495411.1	3858552	1.89E-07	1.03E-07	-8.62E-08	7.18E-08	4.01E-08	-3.16E-08	3.65E-08	2.04E-08	-1.61E-08	7.18E-08	4.01E-08	-3.16E-08
1513	495461.1	3858552	1.88E-07	1.02E-07	-8.58E-08	7.14E-08	4.00E-08	-3.15E-08	3.63E-08	2.03E-08	-1.60E-08	7.14E-08	4.00E-08	-3.15E-08
1514	495511.1	3858552	1.88E-07	1.02E-07	-8.56E-08	7.12E-08	3.99E-08	-3.14E-08	3.62E-08	2.03E-08	-1.60E-08	7.12E-08	3.99E-08	-3.14E-08
1515	495561.1	3858552	1.87E-07	1.02E-07	-8.51E-08	7.09E-08	3.97E-08	-3.12E-08	3.61E-08	2.02E-08	-1.59E-08	7.09E-08	3.97E-08	-3.12E-08
1516	495611.1	3858552	1.86E-07	1.01E-07	-8.50E-08	7.07E-08	3.96E-08	-3.12E-08	3.60E-08	2.01E-08	-1.58E-08	7.07E-08	3.96E-08	-3.12E-08
1517	495661.1	3858552	1.86E-07	1.01E-07	-8.46E-08	7.04E-08	3.94E-08	-3.10E-08	3.58E-08	2.00E-08	-1.58E-08	7.04E-08	3.94E-08	-3.10E-08
1518	494311.1	3858602	2.19E-07	1.19E-07	-9.99E-08	8.30E-08	4.64E-08	-3.66E-08	4.22E-08	2.36E-08	-1.86E-08	8.30E-08	4.64E-08	-3.66E-08
1519	494361.1	3858602	2.22E-07	1.21E-07	-1.01E-07	8.42E-08	4.71E-08	-3.71E-08	4.28E-08	2.40E-08	-1.89E-08	8.42E-08	4.71E-08	-3.71E-08
1520	494411.1	3858602	2.25E-07	1.23E-07	-1.03E-07	8.54E-08	4.78E-08	-3.76E-08	4.34E-08	2.43E-08	-1.91E-08	8.54E-08	4.78E-08	-3.76E-08
1521	494461.1	3858602	2.24E-07	1.22E-07	-1.02E-07	8.49E-08	4.75E-08	-3.74E-08	4.32E-08	2.42E-08	-1.90E-08	8.49E-08	4.75E-08	-3.74E-08
1522	494511.1	3858602	2.22E-07	1.21E-07	-1.01E-07	8.41E-08	4.71E-08	-3.69E-08	4.27E-08	2.40E-08	-1.88E-08	8.41E-08	4.71E-08	-3.69E-08
1523	494561.1	3858602	2.22E-07	1.21E-07	-1.01E-07	8.41E-08	4.71E-08	-3.70E-08	4.27E-08	2.39E-08	-1.88E-08	8.41E-08	4.71E-08	-3.70E-08
1524	494611.1	3858602	2.20E-07	1.20E-07	-1.00E-07	8.34E-08	4.67E-08	-3.67E-08	4.24E-08	2.37E-08	-1.87E-08	8.34E-08	4.67E-08	-3.67E-08
1525	494661.1	3858602	2.18E-07	1.19E-07	-9.93E-08	8.27E-08	4.63E-08	-3.64E-08	4.21E-08	2.35E-08	-1.85E-08	8.27E-08	4.63E-08	-3.64E-08
1526	494711.1	3858602	2.16E-07	1.18E-07	-9.84E-08	8.20E-08	4.59E-08	-3.61E-08	4.17E-08	2.33E-08	-1.84E-08	8.20E-08	4.59E-08	-3.61E-08
1527	494761.1	3858602	2.14E-07	1.17E-07	-9.73E-08	8.12E-08	4.55E-08	-3.57E-08	4.13E-08	2.31E-08	-1.81E-08	8.12E-08	4.55E-08	-3.57E-08
1528	494811.1	3858602	2.11E-07	1.15E-07	-9.61E-08	8.01E-08	4.49E-08	-3.52E-08	4.07E-08	2.28E-08	-1.79E-08	8.01E-08	4.49E-08	-3.52E-08
1529	494861.1	3858602	2.09E-07	1.14E-07	-9.53E-08	7.94E-08	4.45E-08	-3.49E-08	4.04E-08	2.26E-08	-1.78E-08	7.94E-08	4.45E-08	-3.49E-08
1530	494911.1	3858602	2.07E-07	1.13E-07	-9.44E-08	7.86E-08	4.40E-08	-3.46E-08	4.00E-08	2.24E-08	-1.76E-08	7.86E-08	4.40E-08	-3.46E-08
1531	494961.1	3858602	2.05E-07	1.12E-07	-9.32E-08	7.77E-08	4.36E-08	-3.42E-08	3.95E-08	2.22E-08	-1.74E-08	7.77E-08	4.36E-08	-3.42E-08
1532	495011.1	3858602	2.03E-07	1.11E-07	-9.24E-08	7.71E-08	4.32E-08	-3.39E-08	3.92E-08	2.20E-08	-1.72E-08	7.71E-08	4.32E-08	-3.39E-08
1533	495061.1	3858602	2.01E-07	1.10E-07	-9.17E-08	7.64E-08	4.27E-08	-3.36E-08	3.88E-08	2.17E-08	-1.71E-08	7.64E-08	4.27E-08	-3.36E-08
1534	495111.1	3858602	1.99E-07	1.08E-07	-9.05E-08	7.53E-08	4.22E-08	-3.32E-08	3.83E-08	2.14E-08	-1.69E-08	7.53E-08	4.22E-08	-3.32E-08
1535	495161.1	3858602	1.97E-07	1.07E-07	-8.99E-08	7.48E-08	4.19E-08	-3.30E-08	3.81E-08	2.13E-08	-1.68E-08	7.48E-08	4.19E-08	-3.30E-08
1536	495211.1	3858602	1.96E-07	1.07E-07	-8.93E-08	7.43E-08	4.16E-08	-3.27E-08	3.78E-08	2.12E-08	-1.66E-08	7.43E-08	4.16E-08	-3.27E-08
1537	495261.1	3858602	1.95E-07	1.06E-07	-8.85E-08	7.38E-08	4.14E-08	-3.25E-08	3.75E-08	2.10E-08	-1.65E-08	7.38E-08	4.14E-08	-3.25E-08
1538	495311.1	3858602	1.94E-07	1.05E-07	-8.82E-08	7.35E-08	4.11E-08	-3.24E-08	3.74E-08	2.09E-08	-1.65E-08	7.35E-08	4.11E-08	-3.24E-08
1539	495361.1	3858602	1.93E-07	1.05E-07	-8.77E-08	7.31E-08	4.10E-08	-3.22E-08	3.72E-08	2.08E-08	-1.64E-08	7.31E-08	4.10E-08	-3.22E-08
1540	495411.1	3858602	1.92E-07	1.05E-07	-8.76E-08	7.30E-08	4.08E-08	-3.21E-08	3.71E-08	2.08E-08	-1.63E-08	7.30E-08	4.08E-08	-3.21E-08
1541	495461.1	3858602	1.91E-07	1.04E-07	-8.71E-08	7.26E-08	4.07E-08	-3.19E-08	3.69E-08	2.07E-08	-1.62E-08	7.26E-08	4.07E-08	-3.19E-08
1542	495511.1	3858602	1.90E-07	1.04E-07	-8.67E-08	7.23E-08	4.05E-08	-3.18E-08	3.68E-08	2.06E-08	-1.62E-08	7.23E-08	4.05E-08	-3.18E-08
1543	495561.1	3858602	1.90E-07	1.04E-07	-8.65E-08	7.21E-08	4.04E-08	-3.17E-08	3.67E-08	2.05E-08	-1.61E-08	7.21E-08	4.04E-08	-3.17E-08
1544	495611.1	3858602	1.89E-07	1.03E-07	-8.61E-08	7.18E-08	4.02E-08	-3.16E-08	3.65E-08	2.04E-08	-1.60E-08	7.18E-08	4.02E-08	-3.16E-08
1545	495661.1	3858602	1.88E-07	1.03E-07	-8.57E-08	7.14E-08	4.00E-08	-3.14E-08	3.63E-08	2.03E-08	-1.60E-08	7.14E-08	4.00E-08	-3.14E-08
1546	494311.1	3858652	2.22E-07	1.20E-07	-1.01E-07	8.41E-08	4.70E-08	-3.71E-08	4.27E-08	2.39E-08	-1.89E-08	8.41E-08	4.70E-08	-3.71E-08
1547	494361.1	3858652	2.25E-07	1.22E-07	-1.02E-07	8.53E-08	4.77E-08	-3.76E-08	4.34E-08	2.43E-08	-1.91E-08	8.53E-08	4.77E-08	-3.76E-08
1548	494411.1	3858652	2.29E-07	1.25E-07	-1.04E-07	8.68E-08	4.87E-08	-3.81E-08	4.41E-08	2.47E-08	-1.94E-08	8.68E-08	4.87E-08	-3.81E-08
1549	494461.1	3858652	2.29E-07	1.25E-07	-1.04E-07	8.70E-08	4.87E-08	-3.83E-08	4.42E-08	2.48E-08	-1.95E-08	8.70E-08	4.87E-08	-3.83E-08
1550	494511.1	3858652	2.28E-07	1.24E-07	-1.04E-07	8.64E-08	4.84E-08	-3.80E-08	4.40E-08	2.46E-08	-1.93E-08	8.64E-08	4.84E-08	-3.80E-08
1551	494561.1	3858652	2.27E-07	1.23E-07	-1.03E-07	8.59E-08	4.81E-08	-3.78E-08	4.37E-08	2.45E-08	-1.92E-08	8.59E-08	4.81E-08	-3.78E-08
1552	494611.1	3858652	2.25E-07	1.23E-07	-1.03E-07	8.54E-08	4.78E-08	-3.76E-08	4.34E-08	2.43E-08	-1.91E-08	8.54E-08	4.78E-08	-3.76E-08
1553	494661.1	3858652	2.23E-07	1.22E-07	-1.01E-07	8.46E-08	4.74E-08	-3.72E-08	4.30E-08	2.41E-08	-1.89E-08	8.46E-08	4.74E-08	-3.72E-08
1554	494711.1	3858652	2.21E-07	1.20E-07	-1.00E-07	8.37E-08	4.69E-08	-3.68E-08	4.26E-08	2.39E-08	-1.87E-08	8.37E-08	4.69E-08	-3.68E-08
1555	494761.1	3858652	2.19E-07	1.19E-07	-9.97E-08	8.30E-08	4.65E-08	-3.65E-08	4.22E-08	2.36E-08	-1.86E-08	8.30E-08	4.65E-08	-3.65E-08
1556	494811.1	3858652	2.16E-07	1.18E-07	-9.83E-08	8.20E-08	4.60E-08	-3.60E-08	4.17E-08	2.34E-08	-1.83E-08	8.20E-08	4.60E-08	-3.60E-08
1557	494861.1	3858652	2.14E-07	1.16E-07	-9.74E-08	8.12E-08	4.54E-08	-3.57E-08	4.13E-08	2.31E-08	-1.82E-08	8.12E-08	4.54E-08	-3.57E-08
1558	494911.1	3858652	2.11E-07	1.15E-07	-9.61E-08	8.01E-08	4.49E-08	-3.52E-08	4.07E-08	2.28E-08	-1.79E-08	8.01E-08	4.49E-08	-3.52E-08
1559	494961.1	3858652	2.09E-07	1.14E-07	-9.52E-08	7.93E-08	4.44E-08	-3.49E-08	4.03E-08	2.26E-08	-1.77E-08	7.93E-08	4.44E-08	-3.49E-08
1560	495011.1	3858652	2.07E-07	1.13E-07	-9.44E-08	7.86E-08	4.40E-08	-3.46E-08	4.00E-08	2.24E-08	-1.76E-08	7.86E-08	4.40E-08	-3.46E-08
1561	495061.1	3858652	2.05E-07	1.12E-07	-9.32E-08	7.77E-08	4.36E-08	-3.42E-08	3.95E-08	2.22E-08	-1.74E-08	7.77E-08	4.36E-08	-3.42E-08
1562	495111.1	3858652	2.03E-07	1.10E-07	-9.23E-08	7.69E-08	4.30E-08	-3.38E-08	3.91E-08	2.19E-08	-1.72E-08	7.69E-08	4.30E-08	-3.38E-08
1563	495161.1	3858652	2.01E-07	1.09E-07	-9.14E-08	7.62E-08	4.27E-08	-3.35E-08	3.87E-08	2.17E-08	-1.70E-08	7.62E-08	4.27E-08	-3.35E-08
1564	495211.1	3858652	1.99E-07	1.08E-07	-9.06E-08	7.55E-08	4.23E-08	-3.32E-08	3.84E-08	2.15E-08	-1.69E-08	7.55E-08	4.23E-08	-3.32E-08
1565	495261.1	3858652	1.98E-07	1.08E-07	-9.02E-08	7.52E-08	4.21E-08	-3.31E-08	3.82E-08	2.14E-08	-1.68E-08	7.52E-08	4.21E-08	-3.31E-08
1566	495311.1	3858652	1.97E-07	1.07E-07	-8.98E-08	7.48E-08	4.19E-08	-3.29E-08	3.81E-08	2.13E-08	-1.67E-08	7.48E-08	4.19E-08	-3.29E-08
1567	495361.1	3858652	1.96E-07	1.07E-07	-8.93E-08	7.45E-08	4.17E-08	-3.28E-08	3.79E-08	2.12E-08	-1.67E-08	7.45E-08	4.17E-08	-3.28E-08
1568	495411.1	3858652	1.96E-07	1.07E-07	-8.91E-08	7.43E-08	4.16E-08	-3.27E-08	3.78E-08	2.12E-08	-1.66E-08	7.43E-08	4.16E-08	-3.27E-08
1569	495461.1	3858652	1.95E-07	1.07E-07	-8.89E-08	7.41E-08	4.15E-08	-3.26E-08	3.77E-08	2.11E-08	-1.66E-08	7.41E-08	4.15E-08	-3.26E-08
1570	495511.1	3858652	1.94E-07	1.06E-07	-8.83E-08	7.36E-08	4.13E-08	-3.24E-08	3.74E-08	2.10E-08	-1.65E-08	7.36E-08	4.13E-08	-3.24E-08
1571	495561.1	3858652	1.93E-07	1.05E-07	-8.79E-08	7.33E-08	4.11E-08	-3.22E-08	3.73E-08	2.09E-08	-1.64E-08	7.33E-08	4.11E-08	-3.22E-08
1572	495611.1	3858652	1.92E-07	1.05E-07	-8.72E-08	7.28E-08	4.08E-08	-3.20E-08	3.70E-08	2.08E-08	-1.63E-08	7.28E-08	4.08E-08	-3.20E-08
1573	495661.1	3858652	1.91E-07	1.04E-07	-8.71E-08	7.26E-08	4.07E-08	-3.19E-08	3.69E-08	2.07E-08	-1.62E-08	7.26E-08	4.07E-08	-3.19E-08
1574	494311.1	3858702	2.27E-07	1.23E-07	-1.04E-07	8.61E-08	4.81E-08	-3.80E-08	4.38E-08	2.45E-08	-1.93E-08	8.61E-08	4.81E-08	-3.80E-08
1575	494361.1	3858702	2.31E-07	1.26E-07	-1.05E-07	8.78E-08	4.92E-08	-3.86E-08	4.47E-08	2.50E-08	-1.96E-08	8.78E-08	4.92E-08	-3.86E-08
1576	494411.1	3858702	2.34E-07	1.28E-07	-1.06E-07	8.88E-08	4.98E-08	-3.90E-08	4.52E-08	2.53E-08	-1.99E-08	8.88E-08	4.98E-08	-3.90E-08
1577	494461.1	3858702	2.33E-07	1.27E-07	-1.06E-07	8.85E-08	4.96E-08	-3.89E-08	4.50E-08	2.52E-08	-1.98E-08	8.85E-08	4.96E-08	-3.89E-08
1578	494511.1	3858702	2.33E-07	1.27E-07	-1.06E-07	8.85E-08	4.96E-08	-3.89E-08	4.50E-08	2.52E-08	-1.98E-08	8.85E-08	4.96E-08	-3.89E-08
1579	494561.1	3858702	2.31E-07	1.26E-07	-1.05E-07	8.78E-08	4.92E-08	-3.86E-08	4.47E-08	2.50E-08	-1.96E-08	8.78E-08	4.92E-08	-3.86E-08
1580	494611.1	3858702	2.29E-07	1.25E-07	-1.04E-07	8.68E-08	4.87E-08	-3.81E-08	4.41E-08	2.47E-08	-1.94E-08	8.68E-08	4.87E-08	-3.81E-08
1581	494661.1	3858702	2.28E-07	1.24E-07	-1.04E-07	8.64E-08	4.85E-08	-3.80E-08	4.40E-08	2.46E-08	-1.93E-08	8.64E-08	4.85E-08	-3.80E-08
1582	494711.1	3858702	2.22E-07	1.21E-07	-1.01E-07	8.44E-08	4.73E-08	-3.71E-08	4.29E-08	2.41E-08	-1.89E-08	8.44E-08	4.73E-08	-3.71E-08
1583	494761.1	3858702	2.23E-07	1.22E-07	-1.01E-07	8.46E-08	4.74E-08	-3.72E-08	4.30E-08	2.41E-08	-1.89E-08	8.46E-08	4.74E-08	-3.72E-08
1584	494811.1	3858702	2.20E-07	1.20E-07	-1.00E-07	8.35E-08	4.68E-08	-3.68E-08	4.25E-08	2.38E-08	-1.87E-08	8.35E-08	4.68E-08	-3.68E-08
1585	494861.1	3858702	2.18E-07	1.19E-07	-9.91E-08	8.27E-08	4.63E-08	-3.63E-08	4.21E-08	2.36E-08	-1.85E-08	8.27E-08	4.63E-08	-3.63E-08
1586	494911.1	3858702	2.16E-07	1.18E-07	-9.84E-08	8.20E-08	4.59E-08	-3.61E-08	4.17E-08	2.33E-08	-1.84E-08	8.20E-08	4.59E-08	-3.61E-08
1587	494961.1	3858702	2.13E-07	1.16E-07	-9.67E-08	8.06E-08	4.52E-08	-3.54E-08	4.10E-08	2.30E-08	-1.80E-08	8.06E-08	4.52E-08	-3.54E-08
1588	495011.1	3858702	2.10E-07	1.15E-07	-9.58E-08	7.98E-08	4.47E-08	-3.51E-08	4.06E-08	2.27E-08	-1.79E-08	7.98E-08	4.47E-08	-3.51E-08
1589	495061.1	3858702	2.09E-07	1.14E-07	-9.51E-08	7.93E-08	4.44E-08	-3.48E-08	4.03E-08	2.26E-08	-1.77E-08	7.93E-08	4.44E-08	-3.48E-08
1590	495111.1	3858702	2.06E-07	1.12E-07	-9.38E-08	7.82E-08	4.38E-08	-3.44E-08	3.98E-08	2.23E-08	-1.75E-08	7.82E-08	4.38E-08	-3.44E-08
1591	495161.1	3858702	2.05E-07	1.12E-07	-9.33E-08	7.77E-08	4.35E-08	-3.42E-08	3.95E-08	2.21E-08	-1.74E-08	7.77E-08	4.35E-08	-3.42E-08
1592	495211.1	3858702	2.03E-07	1.11E-07	-9.25E-08	7.71E-08	4.31E-08	-3.39E-08	3.92E-08	2.19E-08	-1.73E-08	7.71E-08	4.31E-08	-3.39E-08
1593	495261.1	3858702	2.02E-07	1.10E-07	-9.20E-08	7.67E-08	4.30E-08	-3.37E-08	3.90E-08	2.19E-08	-1.72E-08	7.67E-08	4.30E-08	-3.37E-08
1594	495311.1	3858702	2.01E-07	1.10E-07	-9.16E-08	7.64E-08	4.28E-08	-3.36E-08	3.88E-08	2.18E-08	-1.71E-08	7.64E-08	4.28E-08	-3.36E-08
1595	495361.1	3858702	2.00E-07	1.09E-07	-9.12E-08	7.60E-08	4.26E-08	-3.34E-08	3.87E-08	2.17E-08	-1.70E-08	7.60E-08	4.26E-08	-3.34E-08
1596	495411.1	3858702	2.00E-07	1.09E-07	-9.10E-08	7.59E-08	4.25E-08	-3.34E-08	3.86E-08	2.16E-08	-1.70E-08	7.59E-08	4.25E-08	-3.34E-08

1597	495461.1	3858702	1.99E-07	1.08E-07	-9.06E-08	7.55E-08	4.23E-08	-3.32E-08	3.84E-08	2.15E-08	-1.69E-08	7.55E-08	4.23E-08	-3.32E-08
1598	495511.1	3858702	1.98E-07	1.08E-07	-8.98E-08	7.50E-08	4.21E-08	-3.29E-08	3.81E-08	2.14E-08	-1.67E-08	7.50E-08	4.21E-08	-3.29E-08
1599	495561.1	3858702	1.97E-07	1.07E-07	-8.95E-08	7.47E-08	4.18E-08	-3.28E-08	3.80E-08	2.13E-08	-1.67E-08	7.47E-08	4.18E-08	-3.28E-08
1600	495611.1	3858702	1.95E-07	1.07E-07	-8.88E-08	7.41E-08	4.16E-08	-3.26E-08	3.77E-08	2.12E-08	-1.66E-08	7.41E-08	4.16E-08	-3.26E-08
1601	495661.1	3858702	1.95E-07	1.06E-07	-8.84E-08	7.38E-08	4.14E-08	-3.24E-08	3.75E-08	2.11E-08	-1.65E-08	7.38E-08	4.14E-08	-3.24E-08
1602	494311.1	3858752	2.32E-07	1.26E-07	-1.06E-07	8.80E-08	4.92E-08	-3.88E-08	4.47E-08	2.50E-08	-1.97E-08	8.80E-08	4.92E-08	-3.88E-08
1603	494361.1	3858752	2.38E-07	1.30E-07	-1.08E-07	9.04E-08	5.06E-08	-3.98E-08	4.60E-08	2.57E-08	-2.02E-08	9.04E-08	5.06E-08	-3.98E-08
1604	494411.1	3858752	2.40E-07	1.31E-07	-1.09E-07	9.12E-08	5.11E-08	-4.01E-08	4.64E-08	2.60E-08	-2.04E-08	9.12E-08	5.11E-08	-4.01E-08
1605	494461.1	3858752	2.39E-07	1.30E-07	-1.09E-07	9.07E-08	5.09E-08	-3.99E-08	4.61E-08	2.59E-08	-2.03E-08	9.07E-08	5.09E-08	-3.99E-08
1606	494511.1	3858752	2.40E-07	1.31E-07	-1.09E-07	9.09E-08	5.09E-08	-4.00E-08	4.62E-08	2.59E-08	-2.03E-08	9.09E-08	5.09E-08	-4.00E-08
1607	494561.1	3858752	2.36E-07	1.29E-07	-1.08E-07	8.97E-08	5.03E-08	-3.94E-08	4.56E-08	2.56E-08	-2.00E-08	8.97E-08	5.03E-08	-3.94E-08
1608	494611.1	3858752	2.34E-07	1.28E-07	-1.06E-07	8.88E-08	4.98E-08	-3.90E-08	4.52E-08	2.53E-08	-1.99E-08	8.88E-08	4.98E-08	-3.90E-08
1609	494661.1	3858752	2.32E-07	1.26E-07	-1.05E-07	8.80E-08	4.93E-08	-3.87E-08	4.47E-08	2.51E-08	-1.97E-08	8.80E-08	4.93E-08	-3.87E-08
1610	494711.1	3858752	2.29E-07	1.25E-07	-1.04E-07	8.68E-08	4.87E-08	-3.81E-08	4.41E-08	2.47E-08	-1.94E-08	8.68E-08	4.87E-08	-3.81E-08
1611	494761.1	3858752	2.28E-07	1.24E-07	-1.04E-07	8.64E-08	4.84E-08	-3.80E-08	4.40E-08	2.46E-08	-1.93E-08	8.64E-08	4.84E-08	-3.80E-08
1612	494811.1	3858752	2.25E-07	1.23E-07	-1.02E-07	8.53E-08	4.78E-08	-3.75E-08	4.34E-08	2.43E-08	-1.91E-08	8.53E-08	4.78E-08	-3.75E-08
1613	494861.1	3858752	2.22E-07	1.21E-07	-1.01E-07	8.42E-08	4.72E-08	-3.70E-08	4.28E-08	2.40E-08	-1.88E-08	8.42E-08	4.72E-08	-3.70E-08
1614	494911.1	3858752	2.19E-07	1.19E-07	-9.99E-08	8.32E-08	4.66E-08	-3.66E-08	4.23E-08	2.37E-08	-1.86E-08	8.32E-08	4.66E-08	-3.66E-08
1615	494961.1	3858752	2.17E-07	1.18E-07	-9.87E-08	8.23E-08	4.62E-08	-3.62E-08	4.19E-08	2.35E-08	-1.84E-08	8.23E-08	4.62E-08	-3.62E-08
1616	495011.1	3858752	2.15E-07	1.17E-07	-9.79E-08	8.17E-08	4.58E-08	-3.59E-08	4.15E-08	2.33E-08	-1.83E-08	8.17E-08	4.58E-08	-3.59E-08
1617	495061.1	3858752	2.13E-07	1.16E-07	-9.69E-08	8.08E-08	4.53E-08	-3.55E-08	4.11E-08	2.30E-08	-1.81E-08	8.08E-08	4.53E-08	-3.55E-08
1618	495111.1	3858752	2.11E-07	1.15E-07	-9.59E-08	8.00E-08	4.48E-08	-3.51E-08	4.07E-08	2.28E-08	-1.79E-08	8.00E-08	4.48E-08	-3.51E-08
1619	495161.1	3858752	2.09E-07	1.14E-07	-9.51E-08	7.93E-08	4.44E-08	-3.48E-08	4.03E-08	2.26E-08	-1.77E-08	7.93E-08	4.44E-08	-3.48E-08
1620	495211.1	3858752	2.07E-07	1.13E-07	-9.42E-08	7.86E-08	4.40E-08	-3.45E-08	4.00E-08	2.24E-08	-1.76E-08	7.86E-08	4.40E-08	-3.45E-08
1621	495261.1	3858752	2.06E-07	1.12E-07	-9.38E-08	7.82E-08	4.38E-08	-3.44E-08	3.98E-08	2.23E-08	-1.75E-08	7.82E-08	4.38E-08	-3.44E-08
1622	495311.1	3858752	2.05E-07	1.12E-07	-9.34E-08	7.79E-08	4.37E-08	-3.43E-08	3.96E-08	2.22E-08	-1.74E-08	7.79E-08	4.37E-08	-3.43E-08
1623	495361.1	3858752	2.04E-07	1.11E-07	-9.30E-08	7.76E-08	4.35E-08	-3.41E-08	3.94E-08	2.21E-08	-1.73E-08	7.76E-08	4.35E-08	-3.41E-08
1624	495411.1	3858752	2.04E-07	1.11E-07	-9.28E-08	7.74E-08	4.34E-08	-3.40E-08	3.94E-08	2.21E-08	-1.73E-08	7.74E-08	4.34E-08	-3.40E-08
1625	495461.1	3858752	2.03E-07	1.11E-07	-9.24E-08	7.71E-08	4.32E-08	-3.39E-08	3.92E-08	2.20E-08	-1.72E-08	7.71E-08	4.32E-08	-3.39E-08
1626	495511.1	3858752	2.02E-07	1.10E-07	-9.17E-08	7.65E-08	4.29E-08	-3.36E-08	3.89E-08	2.18E-08	-1.71E-08	7.65E-08	4.29E-08	-3.36E-08
1627	495561.1	3858752	2.00E-07	1.09E-07	-9.11E-08	7.60E-08	4.26E-08	-3.34E-08	3.87E-08	2.17E-08	-1.70E-08	7.60E-08	4.26E-08	-3.34E-08
1628	495611.1	3858752	1.99E-07	1.09E-07	-9.04E-08	7.55E-08	4.24E-08	-3.32E-08	3.84E-08	2.15E-08	-1.69E-08	7.55E-08	4.24E-08	-3.32E-08
1629	495661.1	3858752	1.98E-07	1.08E-07	-9.00E-08	7.52E-08	4.22E-08	-3.30E-08	3.82E-08	2.14E-08	-1.68E-08	7.52E-08	4.22E-08	-3.30E-08
1630	494311.1	3858802	2.39E-07	1.30E-07	-1.09E-07	9.07E-08	5.08E-08	-4.00E-08	4.61E-08	2.58E-08	-2.03E-08	9.07E-08	5.08E-08	-4.00E-08
1631	494361.1	3858802	2.45E-07	1.33E-07	-1.12E-07	9.29E-08	5.21E-08	-4.09E-08	4.73E-08	2.65E-08	-2.08E-08	9.29E-08	5.21E-08	-4.09E-08
1632	494411.1	3858802	2.45E-07	1.34E-07	-1.12E-07	9.31E-08	5.22E-08	-4.10E-08	4.74E-08	2.65E-08	-2.08E-08	9.31E-08	5.22E-08	-4.10E-08
1633	494461.1	3858802	2.45E-07	1.34E-07	-1.12E-07	9.31E-08	5.22E-08	-4.10E-08	4.74E-08	2.65E-08	-2.08E-08	9.31E-08	5.22E-08	-4.10E-08
1634	494511.1	3858802	2.45E-07	1.34E-07	-1.12E-07	9.31E-08	5.22E-08	-4.09E-08	4.74E-08	2.65E-08	-2.08E-08	9.31E-08	5.22E-08	-4.09E-08
1635	494561.1	3858802	2.44E-07	1.33E-07	-1.11E-07	9.26E-08	5.19E-08	-4.07E-08	4.71E-08	2.64E-08	-2.07E-08	9.26E-08	5.19E-08	-4.07E-08
1636	494611.1	3858802	2.42E-07	1.32E-07	-1.10E-07	9.17E-08	5.14E-08	-4.03E-08	4.67E-08	2.62E-08	-2.05E-08	9.17E-08	5.14E-08	-4.03E-08
1637	494661.1	3858802	2.39E-07	1.30E-07	-1.09E-07	9.07E-08	5.08E-08	-3.99E-08	4.61E-08	2.58E-08	-2.03E-08	9.07E-08	5.08E-08	-3.99E-08
1638	494711.1	3858802	2.36E-07	1.29E-07	-1.07E-07	8.95E-08	5.02E-08	-3.93E-08	4.55E-08	2.55E-08	-2.00E-08	8.95E-08	5.02E-08	-3.93E-08
1639	494761.1	3858802	2.32E-07	1.27E-07	-1.06E-07	8.82E-08	4.94E-08	-3.87E-08	4.48E-08	2.51E-08	-1.97E-08	8.82E-08	4.94E-08	-3.87E-08
1640	494811.1	3858802	2.29E-07	1.25E-07	-1.04E-07	8.68E-08	4.87E-08	-3.81E-08	4.41E-08	2.47E-08	-1.94E-08	8.68E-08	4.87E-08	-3.81E-08
1641	494861.1	3858802	2.27E-07	1.24E-07	-1.03E-07	8.59E-08	4.82E-08	-3.78E-08	4.37E-08	2.45E-08	-1.92E-08	8.59E-08	4.82E-08	-3.78E-08
1642	494911.1	3858802	2.24E-07	1.22E-07	-1.02E-07	8.49E-08	4.76E-08	-3.73E-08	4.32E-08	2.42E-08	-1.90E-08	8.49E-08	4.76E-08	-3.73E-08
1643	494961.1	3858802	2.22E-07	1.21E-07	-1.01E-07	8.41E-08	4.71E-08	-3.69E-08	4.27E-08	2.40E-08	-1.88E-08	8.41E-08	4.71E-08	-3.69E-08
1644	495011.1	3858802	2.19E-07	1.20E-07	-9.98E-08	8.32E-08	4.66E-08	-3.66E-08	4.23E-08	2.37E-08	-1.86E-08	8.32E-08	4.66E-08	-3.66E-08
1645	495061.1	3858802	2.18E-07	1.19E-07	-9.89E-08	8.25E-08	4.62E-08	-3.63E-08	4.20E-08	2.35E-08	-1.84E-08	8.25E-08	4.62E-08	-3.63E-08
1646	495111.1	3858802	2.15E-07	1.17E-07	-9.77E-08	8.15E-08	4.57E-08	-3.58E-08	4.14E-08	2.32E-08	-1.82E-08	8.15E-08	4.57E-08	-3.58E-08
1647	495161.1	3858802	2.13E-07	1.16E-07	-9.67E-08	8.06E-08	4.52E-08	-3.54E-08	4.10E-08	2.30E-08	-1.80E-08	8.06E-08	4.52E-08	-3.54E-08
1648	495211.1	3858802	2.11E-07	1.15E-07	-9.61E-08	8.01E-08	4.49E-08	-3.52E-08	4.07E-08	2.28E-08	-1.79E-08	8.01E-08	4.49E-08	-3.52E-08
1649	495261.1	3858802	2.10E-07	1.15E-07	-9.57E-08	7.98E-08	4.47E-08	-3.51E-08	4.06E-08	2.27E-08	-1.78E-08	7.98E-08	4.47E-08	-3.51E-08
1650	495311.1	3858802	2.09E-07	1.14E-07	-9.53E-08	7.94E-08	4.45E-08	-3.49E-08	4.04E-08	2.26E-08	-1.78E-08	7.94E-08	4.45E-08	-3.49E-08
1651	495361.1	3858802	2.09E-07	1.14E-07	-9.49E-08	7.91E-08	4.43E-08	-3.48E-08	4.02E-08	2.25E-08	-1.77E-08	7.91E-08	4.43E-08	-3.48E-08
1652	495411.1	3858802	2.08E-07	1.14E-07	-9.45E-08	7.89E-08	4.43E-08	-3.47E-08	4.01E-08	2.25E-08	-1.76E-08	7.89E-08	4.43E-08	-3.47E-08
1653	495461.1	3858802	2.07E-07	1.13E-07	-9.42E-08	7.86E-08	4.40E-08	-3.45E-08	4.00E-08	2.24E-08	-1.76E-08	7.86E-08	4.40E-08	-3.45E-08
1654	495511.1	3858802	2.06E-07	1.12E-07	-9.35E-08	7.81E-08	4.38E-08	-3.43E-08	3.97E-08	2.23E-08	-1.74E-08	7.81E-08	4.38E-08	-3.43E-08
1655	495561.1	3858802	2.05E-07	1.12E-07	-9.32E-08	7.77E-08	4.36E-08	-3.42E-08	3.95E-08	2.22E-08	-1.74E-08	7.77E-08	4.36E-08	-3.42E-08
1656	495611.1	3858802	2.03E-07	1.11E-07	-9.23E-08	7.71E-08	4.32E-08	-3.38E-08	3.92E-08	2.20E-08	-1.72E-08	7.71E-08	4.32E-08	-3.38E-08
1657	495661.1	3858802	2.02E-07	1.10E-07	-9.19E-08	7.67E-08	4.30E-08	-3.37E-08	3.90E-08	2.19E-08	-1.71E-08	7.67E-08	4.30E-08	-3.37E-08
1658	494311.1	3858852	2.51E-07	1.37E-07	-1.14E-07	9.52E-08	5.33E-08	-4.19E-08	4.84E-08	2.71E-08	-2.13E-08	9.52E-08	5.33E-08	-4.19E-08
1659	494361.1	3858852	2.54E-07	1.38E-07	-1.16E-07	9.64E-08	5.40E-08	-4.24E-08	4.90E-08	2.75E-08	-2.15E-08	9.64E-08	5.40E-08	-4.24E-08
1660	494411.1	3858852	2.53E-07	1.38E-07	-1.15E-07	9.58E-08	5.37E-08	-4.22E-08	4.87E-08	2.73E-08	-2.14E-08	9.58E-08	5.37E-08	-4.22E-08
1661	494461.1	3858852	2.52E-07	1.37E-07	-1.15E-07	9.55E-08	5.35E-08	-4.20E-08	4.86E-08	2.72E-08	-2.14E-08	9.55E-08	5.35E-08	-4.20E-08
1662	494511.1	3858852	2.52E-07	1.37E-07	-1.15E-07	9.55E-08	5.35E-08	-4.20E-08	4.86E-08	2.72E-08	-2.14E-08	9.55E-08	5.35E-08	-4.20E-08
1663	494561.1	3858852	2.50E-07	1.36E-07	-1.14E-07	9.48E-08	5.31E-08	-4.17E-08	4.82E-08	2.70E-08	-2.12E-08	9.48E-08	5.31E-08	-4.17E-08
1664	494611.1	3858852	2.47E-07	1.35E-07	-1.12E-07	9.38E-08	5.26E-08	-4.12E-08	4.77E-08	2.67E-08	-2.10E-08	9.38E-08	5.26E-08	-4.12E-08
1665	494661.1	3858852	2.45E-07	1.33E-07	-1.11E-07	9.28E-08	5.20E-08	-4.08E-08	4.72E-08	2.64E-08	-2.08E-08	9.28E-08	5.20E-08	-4.08E-08
1666	494711.1	3858852	2.40E-07	1.31E-07	-1.09E-07	9.12E-08	5.11E-08	-4.01E-08	4.64E-08	2.60E-08	-2.04E-08	9.12E-08	5.11E-08	-4.01E-08
1667	494761.1	3858852	2.37E-07	1.29E-07	-1.08E-07	8.99E-08	5.04E-08	-3.95E-08	4.57E-08	2.56E-08	-2.01E-08	8.99E-08	5.04E-08	-3.95E-08
1668	494811.1	3858852	2.34E-07	1.28E-07	-1.06E-07	8.88E-08	4.98E-08	-3.90E-08	4.52E-08	2.53E-08	-1.99E-08	8.88E-08	4.98E-08	-3.90E-08
1669	494861.1	3858852	2.32E-07	1.26E-07	-1.05E-07	8.80E-08	4.93E-08	-3.87E-08	4.47E-08	2.51E-08	-1.97E-08	8.80E-08	4.93E-08	-3.87E-08
1670	494911.1	3858852	2.29E-07	1.25E-07	-1.04E-07	8.68E-08	4.87E-08	-3.81E-08	4.41E-08	2.47E-08	-1.94E-08	8.68E-08	4.87E-08	-3.81E-08
1671	494961.1	3858852	2.27E-07	1.24E-07	-1.03E-07	8.59E-08	4.82E-08	-3.78E-08	4.37E-08	2.45E-08	-1.92E-08	8.59E-08	4.82E-08	-3.78E-08
1672	495011.1	3858852	2.24E-07	1.22E-07	-1.02E-07	8.51E-08	4.77E-08	-3.74E-08	4.33E-08	2.43E-08	-1.90E-08	8.51E-08	4.77E-08	-3.74E-08
1673	495061.1	3858852	2.22E-07	1.21E-07	-1.01E-07	8.42E-08	4.72E-08	-3.70E-08	4.28E-08	2.40E-08	-1.88E-08	8.42E-08	4.72E-08	-3.70E-08
1674	495111.1	3858852	2.18E-07	1.19E-07	-9.93E-08	8.29E-08	4.64E-08	-3.64E-08	4.21E-08	2.36E-08	-1.85E-08	8.29E-08	4.64E-08	-3.64E-08
1675	495161.1	3858852	2.16E-07	1.18E-07	-9.83E-08	8.20E-08	4.60E-08	-3.60E-08	4.17E-08	2.34E-08	-1.83E-08	8.20E-08	4.60E-08	-3.60E-08
1676	495211.1	3858852	2.16E-07	1.18E-07	-9.81E-08	8.18E-08	4.59E-08	-3.60E-08	4.16E-08	2.33E-08	-1.83E-08	8.18E-08	4.59E-08	-3.60E-08
1677	495261.1	3858852	2.15E-07	1.17E-07	-9.77E-08	8.15E-08	4.57E-08	-3.58E-08	4.14E-08	2.32E-08	-1.82E-08	8.15E-08	4.57E-08	-3.58E-08
1678	495311.1	3858852	2.14E-07	1.17E-07	-9.73E-08	8.12E-08	4.55E-08	-3.57E-08	4.13E-08	2.31E-08	-1.81E-08	8.12E-08	4.55E-08	-3.57E-08
1679	495361.1	3858852	2.13E-07	1.16E-07	-9.69E-08	8.08E-08	4.53E-08	-3.55E-08	4.11E-08	2.30E-08	-1.81E-08	8.08E-08	4.53E-08	-3.55E-08
1680	495411.1	3858852	2.12E-07	1.16E-07	-9.65E-08	8.05E-08	4.51E-08	-3.54E-08	4.09E-08	2.29E-08	-1.80E-08	8.05E-08	4.51E-08	-3.54E-08
1681	495461.1	3858852	2.11E-07	1.15E-07	-9.60E-08	8.01E-08	4.50E-08	-3.52E-08	4.07E-08	2.29E-08	-1.79E-08	8.01E-08	4.50E-08	-3.52E-08
1682	495511.1	3858852	2.10E-07	1.15E-07	-9.53E-08	7.96E-08	4.47E-08	-3.50E-08	4.05E-08	2.27E-08	-1.78E-08	7.96E-08	4.47E-08	-3.50E-08
1683	495561.1	3858852	2.09E-07	1.14E-07	-9.49E-08	7.91E-08	4.43E-08	-3.48E-08	4.02E-08	2.25E-08	-1.77E-08	7.91E-08	4.43E-08	-3.48E-08
1684	495611.1	3858852	2.07E-07	1.13E-07	-9.39E-08	7.84E-08	4.40E-08	-3.44E-08	3.99E-08	2.24E-08	-1.75E-08	7.84E-08	4.40E-08	-3.44E-08
1685	495661.1	3858852	2.06E-07	1.12E-07	-9.35E-08	7.81E-08	4.38E-08	-3.43E-08	3.97E-08	2.23E-08	-1.74E-08	7.81E-08	4.38E-08	-3.43E-08
1686	494311.1	3858902	2.59E-07	1.41E-07	-1.18E-07	9.82E-08	5.50E-08	-4.32E-08	5.00E-08	2.80E-08	-2.20E-08	9.82E-08	5.50E-08	-4.32E-08
1687	494361.1	3858902	2.61E-07	1.42E-07	-1.19E-07	9.89E-08	5.54E-08	-4.35E-08	5.03E-08	2.82E-08	-2.21E-08	9.89E-08	5.54E-08	-4.35E-08
1688	494411.1	3858902	2.60E-07	1.42E-07	-1.18E-07	9.86E-08	5.52E-08	-4.33E-08	5.01E-08	2.81E-08	-2.20E-08	9.86E-08	5.52E-08	-4.33E-08
1689	494461.1	3858902	2.60E-07	1.42E-07	-1.19E-07	9.87E-08	5.53E-08	-4.35E-08	5.02E-08	2.81E-08	-2.21E-08	9.87E-08	5.53E-08	-4.35E-08
1690	494511.1	3858902	2.59E-07	1.41E-07	-1.18E-07	9.82E-08	5.50E-08	-4.32E-08	5.00E-08	2.80E-08	-2.20E-08	9.82E-08	5.50E-08	-4.32E-08

1691	494561.1	3858902	2.56E-07	1.40E-07	-1.17E-07	9.72E-08	5.45E-08	-4.27E-08	4.94E-08	2.77E-08	-2.17E-08	9.72E-08	5.45E-08	-4.27E-08
1692	494611.1	3858902	2.52E-07	1.38E-07	-1.15E-07	9.57E-08	5.36E-08	-4.20E-08	4.87E-08	2.73E-08	-2.14E-08	9.57E-08	5.36E-08	-4.20E-08
1693	494661.1	3858902	2.50E-07	1.36E-07	-1.14E-07	9.48E-08	5.31E-08	-4.17E-08	4.82E-08	2.70E-08	-2.12E-08	9.48E-08	5.31E-08	-4.17E-08
1694	494711.1	3858902	2.46E-07	1.34E-07	-1.12E-07	9.35E-08	5.23E-08	-4.11E-08	4.75E-08	2.66E-08	-2.09E-08	9.35E-08	5.23E-08	-4.11E-08
1695	494761.1	3858902	2.42E-07	1.32E-07	-1.10E-07	9.19E-08	5.15E-08	-4.04E-08	4.67E-08	2.62E-08	-2.06E-08	9.19E-08	5.15E-08	-4.04E-08
1696	494811.1	3858902	2.40E-07	1.31E-07	-1.09E-07	9.09E-08	5.09E-08	-4.00E-08	4.62E-08	2.59E-08	-2.03E-08	9.09E-08	5.09E-08	-4.00E-08
1697	494861.1	3858902	2.37E-07	1.29E-07	-1.08E-07	9.00E-08	5.05E-08	-3.96E-08	4.58E-08	2.57E-08	-2.01E-08	9.00E-08	5.05E-08	-3.96E-08
1698	494911.1	3858902	2.33E-07	1.27E-07	-1.06E-07	8.85E-08	4.96E-08	-3.89E-08	4.50E-08	2.52E-08	-1.98E-08	8.85E-08	4.96E-08	-3.89E-08
1699	494961.1	3858902	2.31E-07	1.26E-07	-1.05E-07	8.76E-08	4.91E-08	-3.85E-08	4.46E-08	2.50E-08	-1.96E-08	8.76E-08	4.91E-08	-3.85E-08
1700	495011.1	3858902	2.29E-07	1.25E-07	-1.04E-07	8.68E-08	4.87E-08	-3.81E-08	4.41E-08	2.47E-08	-1.94E-08	8.68E-08	4.87E-08	-3.81E-08
1701	495061.1	3858902	2.26E-07	1.23E-07	-1.03E-07	8.56E-08	4.80E-08	-3.76E-08	4.35E-08	2.44E-08	-1.91E-08	8.56E-08	4.80E-08	-3.76E-08
1702	495111.1	3858902	2.22E-07	1.21E-07	-1.01E-07	8.42E-08	4.72E-08	-3.70E-08	4.28E-08	2.40E-08	-1.88E-08	8.42E-08	4.72E-08	-3.70E-08
1703	495161.1	3858902	2.20E-07	1.20E-07	-1.00E-07	8.35E-08	4.68E-08	-3.67E-08	4.25E-08	2.38E-08	-1.87E-08	8.35E-08	4.68E-08	-3.67E-08
1704	495211.1	3858902	2.20E-07	1.20E-07	-1.00E-07	8.35E-08	4.68E-08	-3.67E-08	4.25E-08	2.38E-08	-1.87E-08	8.35E-08	4.68E-08	-3.67E-08
1705	495261.1	3858902	2.19E-07	1.20E-07	-9.98E-08	8.32E-08	4.66E-08	-3.66E-08	4.23E-08	2.37E-08	-1.86E-08	8.32E-08	4.66E-08	-3.66E-08
1706	495311.1	3858902	2.18E-07	1.19E-07	-9.90E-08	8.27E-08	4.64E-08	-3.63E-08	4.21E-08	2.36E-08	-1.85E-08	8.27E-08	4.64E-08	-3.63E-08
1707	495361.1	3858902	2.17E-07	1.18E-07	-9.87E-08	8.23E-08	4.62E-08	-3.62E-08	4.19E-08	2.35E-08	-1.84E-08	8.23E-08	4.62E-08	-3.62E-08
1708	495411.1	3858902	2.17E-07	1.18E-07	-9.85E-08	8.22E-08	4.61E-08	-3.61E-08	4.18E-08	2.34E-08	-1.84E-08	8.22E-08	4.61E-08	-3.61E-08
1709	495461.1	3858902	2.15E-07	1.17E-07	-9.78E-08	8.17E-08	4.58E-08	-3.58E-08	4.15E-08	2.33E-08	-1.82E-08	8.17E-08	4.58E-08	-3.58E-08
1710	495511.1	3858902	2.14E-07	1.17E-07	-9.73E-08	8.12E-08	4.55E-08	-3.57E-08	4.13E-08	2.31E-08	-1.81E-08	8.12E-08	4.55E-08	-3.57E-08
1711	495561.1	3858902	2.13E-07	1.16E-07	-9.67E-08	8.06E-08	4.52E-08	-3.54E-08	4.10E-08	2.30E-08	-1.80E-08	8.06E-08	4.52E-08	-3.54E-08
1712	495611.1	3858902	2.11E-07	1.15E-07	-9.58E-08	8.00E-08	4.49E-08	-3.51E-08	4.07E-08	2.28E-08	-1.78E-08	8.00E-08	4.49E-08	-3.51E-08
1713	495661.1	3858902	2.10E-07	1.15E-07	-9.57E-08	7.98E-08	4.47E-08	-3.51E-08	4.06E-08	2.27E-08	-1.78E-08	7.98E-08	4.47E-08	-3.51E-08
1714	494311.1	3858952	2.69E-07	1.46E-07	-1.22E-07	1.02E-07	5.71E-08	-4.49E-08	5.19E-08	2.90E-08	-2.28E-08	1.02E-07	5.71E-08	-4.49E-08
1715	494361.1	3858952	2.69E-07	1.46E-07	-1.22E-07	1.02E-07	5.71E-08	-4.49E-08	5.19E-08	2.90E-08	-2.28E-08	1.02E-07	5.71E-08	-4.49E-08
1716	494411.1	3858952	2.67E-07	1.45E-07	-1.21E-07	1.01E-07	5.66E-08	-4.45E-08	5.14E-08	2.88E-08	-2.26E-08	1.01E-07	5.66E-08	-4.45E-08
1717	494461.1	3858952	2.67E-07	1.45E-07	-1.22E-07	1.01E-07	5.67E-08	-4.46E-08	5.15E-08	2.88E-08	-2.27E-08	1.01E-07	5.67E-08	-4.46E-08
1718	494511.1	3858952	2.65E-07	1.44E-07	-1.21E-07	1.01E-07	5.63E-08	-4.43E-08	5.12E-08	2.86E-08	-2.25E-08	1.01E-07	5.63E-08	-4.43E-08
1719	494561.1	3858952	2.63E-07	1.43E-07	-1.20E-07	9.96E-08	5.58E-08	-4.38E-08	5.07E-08	2.84E-08	-2.23E-08	9.96E-08	5.58E-08	-4.38E-08
1720	494611.1	3858952	2.59E-07	1.41E-07	-1.18E-07	9.82E-08	5.50E-08	-4.32E-08	5.00E-08	2.80E-08	-2.20E-08	9.82E-08	5.50E-08	-4.32E-08
1721	494661.1	3858952	2.55E-07	1.39E-07	-1.16E-07	9.69E-08	5.43E-08	-4.26E-08	4.93E-08	2.76E-08	-2.17E-08	9.69E-08	5.43E-08	-4.26E-08
1722	494711.1	3858952	2.51E-07	1.37E-07	-1.14E-07	9.53E-08	5.34E-08	-4.19E-08	4.85E-08	2.72E-08	-2.13E-08	9.53E-08	5.34E-08	-4.19E-08
1723	494761.1	3858952	2.48E-07	1.35E-07	-1.13E-07	9.40E-08	5.27E-08	-4.13E-08	4.78E-08	2.68E-08	-2.10E-08	9.40E-08	5.27E-08	-4.13E-08
1724	494811.1	3858952	2.45E-07	1.34E-07	-1.12E-07	9.31E-08	5.22E-08	-4.10E-08	4.74E-08	2.65E-08	-2.08E-08	9.31E-08	5.22E-08	-4.10E-08
1725	494861.1	3858952	2.43E-07	1.32E-07	-1.10E-07	9.21E-08	5.16E-08	-4.05E-08	4.68E-08	2.63E-08	-2.06E-08	9.21E-08	5.16E-08	-4.05E-08
1726	494911.1	3858952	2.40E-07	1.31E-07	-1.09E-07	9.09E-08	5.10E-08	-3.99E-08	4.62E-08	2.59E-08	-2.03E-08	9.09E-08	5.10E-08	-3.99E-08
1727	494961.1	3858952	2.37E-07	1.29E-07	-1.08E-07	9.00E-08	5.05E-08	-3.96E-08	4.58E-08	2.57E-08	-2.01E-08	9.00E-08	5.05E-08	-3.96E-08
1728	495011.1	3858952	2.33E-07	1.27E-07	-1.06E-07	8.83E-08	4.96E-08	-3.88E-08	4.49E-08	2.52E-08	-1.97E-08	8.83E-08	4.96E-08	-3.88E-08
1729	495061.1	3858952	2.29E-07	1.25E-07	-1.04E-07	8.68E-08	4.87E-08	-3.81E-08	4.41E-08	2.47E-08	-1.94E-08	8.68E-08	4.87E-08	-3.81E-08
1730	495111.1	3858952	2.26E-07	1.23E-07	-1.03E-07	8.56E-08	4.80E-08	-3.76E-08	4.35E-08	2.44E-08	-1.91E-08	8.56E-08	4.80E-08	-3.76E-08
1731	495161.1	3858952	2.26E-07	1.23E-07	-1.03E-07	8.58E-08	4.81E-08	-3.77E-08	4.36E-08	2.44E-08	-1.92E-08	8.58E-08	4.81E-08	-3.77E-08
1732	495211.1	3858952	2.25E-07	1.23E-07	-1.02E-07	8.54E-08	4.79E-08	-3.75E-08	4.34E-08	2.43E-08	-1.91E-08	8.54E-08	4.79E-08	-3.75E-08
1733	495261.1	3858952	2.24E-07	1.22E-07	-1.02E-07	8.49E-08	4.76E-08	-3.73E-08	4.32E-08	2.42E-08	-1.90E-08	8.49E-08	4.76E-08	-3.73E-08
1734	495311.1	3858952	2.22E-07	1.21E-07	-1.01E-07	8.42E-08	4.73E-08	-3.70E-08	4.28E-08	2.40E-08	-1.88E-08	8.42E-08	4.73E-08	-3.70E-08
1735	495361.1	3858952	2.22E-07	1.21E-07	-1.01E-07	8.41E-08	4.71E-08	-3.69E-08	4.27E-08	2.40E-08	-1.88E-08	8.41E-08	4.71E-08	-3.69E-08
1736	495411.1	3858952	2.21E-07	1.20E-07	-1.00E-07	8.37E-08	4.70E-08	-3.67E-08	4.26E-08	2.39E-08	-1.87E-08	8.37E-08	4.70E-08	-3.67E-08
1737	495461.1	3858952	2.20E-07	1.20E-07	-9.98E-08	8.34E-08	4.68E-08	-3.66E-08	4.24E-08	2.38E-08	-1.86E-08	8.34E-08	4.68E-08	-3.66E-08
1738	495511.1	3858952	2.19E-07	1.19E-07	-9.94E-08	8.30E-08	4.66E-08	-3.64E-08	4.22E-08	2.37E-08	-1.85E-08	8.30E-08	4.66E-08	-3.64E-08
1739	495561.1	3858952	2.17E-07	1.18E-07	-9.84E-08	8.22E-08	4.61E-08	-3.61E-08	4.18E-08	2.34E-08	-1.83E-08	8.22E-08	4.61E-08	-3.61E-08
1740	495611.1	3858952	2.15E-07	1.17E-07	-9.76E-08	8.15E-08	4.57E-08	-3.58E-08	4.14E-08	2.33E-08	-1.82E-08	8.15E-08	4.57E-08	-3.58E-08
1741	495661.1	3858952	2.14E-07	1.17E-07	-9.74E-08	8.13E-08	4.56E-08	-3.57E-08	4.14E-08	2.32E-08	-1.82E-08	8.13E-08	4.56E-08	-3.57E-08
1742	494311.1	3859002	2.78E-07	1.51E-07	-1.27E-07	1.05E-07	5.90E-08	-4.64E-08	5.36E-08	3.00E-08	-2.36E-08	1.05E-07	5.90E-08	-4.64E-08
1743	494361.1	3859002	2.77E-07	1.50E-07	-1.26E-07	1.05E-07	5.87E-08	-4.62E-08	5.33E-08	2.98E-08	-2.35E-08	1.05E-07	5.87E-08	-4.62E-08
1744	494411.1	3859002	2.76E-07	1.50E-07	-1.26E-07	1.05E-07	5.86E-08	-4.61E-08	5.33E-08	2.98E-08	-2.35E-08	1.05E-07	5.86E-08	-4.61E-08
1745	494461.1	3859002	2.74E-07	1.49E-07	-1.25E-07	1.04E-07	5.82E-08	-4.58E-08	5.29E-08	2.96E-08	-2.33E-08	1.04E-07	5.82E-08	-4.58E-08
1746	494511.1	3859002	2.72E-07	1.48E-07	-1.24E-07	1.03E-07	5.78E-08	-4.54E-08	5.25E-08	2.94E-08	-2.31E-08	1.03E-07	5.78E-08	-4.54E-08
1747	494561.1	3859002	2.68E-07	1.46E-07	-1.22E-07	1.02E-07	5.70E-08	-4.48E-08	5.18E-08	2.90E-08	-2.28E-08	1.02E-07	5.70E-08	-4.48E-08
1748	494611.1	3859002	2.65E-07	1.44E-07	-1.21E-07	1.01E-07	5.63E-08	-4.43E-08	5.12E-08	2.86E-08	-2.25E-08	1.01E-07	5.63E-08	-4.43E-08
1749	494661.1	3859002	2.61E-07	1.42E-07	-1.19E-07	9.91E-08	5.55E-08	-4.36E-08	5.04E-08	2.82E-08	-2.22E-08	9.91E-08	5.55E-08	-4.36E-08
1750	494711.1	3859002	2.57E-07	1.40E-07	-1.17E-07	9.74E-08	5.46E-08	-4.28E-08	4.95E-08	2.77E-08	-2.18E-08	9.74E-08	5.46E-08	-4.28E-08
1751	494761.1	3859002	2.54E-07	1.38E-07	-1.16E-07	9.64E-08	5.40E-08	-4.24E-08	4.90E-08	2.75E-08	-2.15E-08	9.64E-08	5.40E-08	-4.24E-08
1752	494811.1	3859002	2.52E-07	1.37E-07	-1.15E-07	9.55E-08	5.35E-08	-4.20E-08	4.86E-08	2.72E-08	-2.14E-08	9.55E-08	5.35E-08	-4.20E-08
1753	494861.1	3859002	2.49E-07	1.35E-07	-1.13E-07	9.43E-08	5.28E-08	-4.15E-08	4.80E-08	2.69E-08	-2.11E-08	9.43E-08	5.28E-08	-4.15E-08
1754	494911.1	3859002	2.45E-07	1.34E-07	-1.12E-07	9.31E-08	5.22E-08	-4.10E-08	4.74E-08	2.65E-08	-2.08E-08	9.31E-08	5.22E-08	-4.10E-08
1755	494961.1	3859002	2.42E-07	1.32E-07	-1.10E-07	9.19E-08	5.15E-08	-4.04E-08	4.67E-08	2.62E-08	-2.06E-08	9.19E-08	5.15E-08	-4.04E-08
1756	495011.1	3859002	2.35E-07	1.28E-07	-1.07E-07	8.92E-08	5.00E-08	-3.92E-08	4.54E-08	2.54E-08	-1.99E-08	8.92E-08	5.00E-08	-3.92E-08
1757	495061.1	3859002	2.33E-07	1.27E-07	-1.06E-07	8.85E-08	4.96E-08	-3.89E-08	4.50E-08	2.52E-08	-1.98E-08	8.85E-08	4.96E-08	-3.89E-08
1758	495111.1	3859002	2.30E-07	1.25E-07	-1.05E-07	8.73E-08	4.89E-08	-3.84E-08	4.44E-08	2.49E-08	-1.95E-08	8.73E-08	4.89E-08	-3.84E-08
1759	495161.1	3859002	2.31E-07	1.26E-07	-1.05E-07	8.76E-08	4.91E-08	-3.85E-08	4.46E-08	2.50E-08	-1.96E-08	8.76E-08	4.91E-08	-3.85E-08
1760	495211.1	3859002	2.30E-07	1.25E-07	-1.04E-07	8.71E-08	4.88E-08	-3.83E-08	4.43E-08	2.48E-08	-1.95E-08	8.71E-08	4.88E-08	-3.83E-08
1761	495261.1	3859002	2.29E-07	1.25E-07	-1.04E-07	8.68E-08	4.87E-08	-3.81E-08	4.41E-08	2.48E-08	-1.94E-08	8.68E-08	4.87E-08	-3.81E-08
1762	495311.1	3859002	2.27E-07	1.24E-07	-1.03E-07	8.63E-08	4.84E-08	-3.79E-08	4.39E-08	2.46E-08	-1.93E-08	8.63E-08	4.84E-08	-3.79E-08
1763	495361.1	3859002	2.27E-07	1.24E-07	-1.03E-07	8.59E-08	4.82E-08	-3.77E-08	4.37E-08	2.45E-08	-1.92E-08	8.59E-08	4.82E-08	-3.77E-08
1764	495411.1	3859002	2.26E-07	1.23E-07	-1.03E-07	8.56E-08	4.80E-08	-3.76E-08	4.35E-08	2.44E-08	-1.91E-08	8.56E-08	4.80E-08	-3.76E-08
1765	495461.1	3859002	2.25E-07	1.23E-07	-1.02E-07	8.53E-08	4.78E-08	-3.75E-08	4.34E-08	2.43E-08	-1.91E-08	8.53E-08	4.78E-08	-3.75E-08
1766	495511.1	3859002	2.22E-07	1.21E-07	-1.01E-07	8.44E-08	4.74E-08	-3.70E-08	4.29E-08	2.41E-08	-1.88E-08	8.44E-08	4.74E-08	-3.70E-08
1767	495561.1	3859002	2.21E-07	1.21E-07	-1.00E-07	8.39E-08	4.71E-08	-3.68E-08	4.27E-08	2.39E-08	-1.87E-08	8.39E-08	4.71E-08	-3.68E-08
1768	495611.1	3859002	2.19E-07	1.20E-07	-9.96E-08	8.32E-08	4.67E-08	-3.65E-08	4.23E-08	2.37E-08	-1.86E-08	8.32E-08	4.67E-08	-3.65E-08
1769	495661.1	3859002	2.19E-07	1.20E-07	-9.96E-08	8.32E-08	4.67E-08	-3.65E-08	4.23E-08	2.37E-08	-1.86E-08	8.32E-08	4.67E-08	-3.65E-08
1770	494311.1	3859052	2.86E-07	1.56E-07	-1.31E-07	1.09E-07	6.07E-08	-4.80E-08	5.53E-08	3.09E-08	-2.44E-08	1.09E-07	6.07E-08	-4.80E-08
1771	494361.1	3859052	2.86E-07	1.56E-07	-1.31E-07	1.09E-07	6.08E-08	-4.79E-08	5.53E-08	3.09E-08	-2.44E-08	1.09E-07	6.08E-08	-4.79E-08
1772	494411.1	3859052	2.84E-07	1.54E-07	-1.29E-07	1.08E-07	6.02E-08	-4.75E-08	5.47E-08	3.06E-08	-2.41E-08	1.08E-07	6.02E-08	-4.75E-08
1773	494461.1	3859052	2.81E-07	1.53E-07	-1.28E-07	1.07E-07	5.96E-08	-4.70E-08	5.42E-08	3.03E-08	-2.39E-08	1.07E-07	5.96E-08	-4.70E-08
1774	494511.1	3859052	2.78E-07	1.51E-07	-1.27E-07	1.05E-07	5.89E-08	-4.65E-08	5.36E-08	3.00E-08	-2.36E-08	1.05E-07	5.89E-08	-4.65E-08
1775	494561.1	3859052	2.75E-07	1.49E-07	-1.25E-07	1.04E-07	5.83E-08	-4.59E-08	5.30E-08	2.96E-08	-2.33E-08	1.04E-07	5.83E-08	-4.59E-08
1776	494611.1	3859052	2.71E-07	1.48E-07	-1.24E-07	1.03E-07	5.75E-08	-4.53E-08	5.23E-08	2.93E-08	-2.30E-08	1.03E-07	5.75E-08	-4.53E-08
1777	494661.1	3859052	2.67E-07	1.45E-07	-1.22E-07	1.01E-07	5.67E-08	-4.46E-08	5.15E-08	2.88E-08	-2.27E-08	1.01E-07	5.67E-08	-4.46E-08
1778	494711.1	3859052	2.63E-07	1.44E-07	-1.20E-07	9.99E-08	5.60E-08	-4.39E-08	5.08E-08	2.85E-08	-2.23E-08	9.99E-08	5.60E-08	-4.39E-08
1779	494761.1	3859052	2.60E-07	1.42E-07	-1.18E-07	9.86E-08	5.52E-08	-4.33E-08	5.01E-08	2.81E-08	-2.20E-08	9.86E-08	5.52E-08	-4.33E-08
1780	494811.1	3859052	2.57E-07	1.40E-07	-1.17E-07	9.76E-08	5.47E-08	-4.29E-08	4.96E-08	2.78E-08	-2.18E-08	9.76E-08	5.47E-08	-4.29E-08
1781	494861.1	3859052	2.54E-07	1.39E-07	-1.16E-07	9.65E-08	5.41E-08	-4.25E-08	4.91E-08	2.75E-08	-2.16E-08	9.65E-08	5.41E-08	-4.25E-08
1782	494911.1	3859052	2.50E-07	1.37E-07	-1.14E-07	9.50E-08	5.33E-08	-4.17E-08	4.83E-08	2.71E-08	-2.12E-08	9.50E-08	5.33E-08	-4.17E-08
1783	494961.1	3859052	2.45E-07	1.34E-07	-1.12E-07	9.31E-08	5.22E-08	-4.09E-08	4.74E-08	2.65E-08	-2.08E-08	9.31E-08	5.22E-08	-4.09E-08
1784	495011.1	3859052	2.41E-07	1.32E-07	-1.10E-07	9.16E-08	5.13E-08	-4.02E-08	4.66E-08	2.61E-08	-2.05E-08	9.16E-08	5.13E-08	-4.02E-08

1785	495061.1	3859052	2.39E-07	1.30E-07	-1.09E-07	9.05E-08	5.08E-08	-3.98E-08	4.60E-08	2.58E-08	-2.02E-08	9.05E-08	5.08E-08	-3.98E-08
1786	495111.1	3859052	2.36E-07	1.29E-07	-1.07E-07	8.97E-08	5.03E-08	-3.94E-08	4.56E-08	2.56E-08	-2.00E-08	8.97E-08	5.03E-08	-3.94E-08
1787	495161.1	3859052	2.36E-07	1.29E-07	-1.07E-07	8.97E-08	5.03E-08	-3.94E-08	4.56E-08	2.56E-08	-2.00E-08	8.97E-08	5.03E-08	-3.94E-08
1788	495211.1	3859052	2.35E-07	1.28E-07	-1.07E-07	8.90E-08	4.99E-08	-3.91E-08	4.53E-08	2.54E-08	-1.99E-08	8.90E-08	4.99E-08	-3.91E-08
1789	495261.1	3859052	2.34E-07	1.28E-07	-1.06E-07	8.88E-08	4.98E-08	-3.90E-08	4.52E-08	2.53E-08	-1.99E-08	8.88E-08	4.98E-08	-3.90E-08
1790	495311.1	3859052	2.32E-07	1.27E-07	-1.06E-07	8.82E-08	4.95E-08	-3.87E-08	4.48E-08	2.52E-08	-1.97E-08	8.82E-08	4.95E-08	-3.87E-08
1791	495361.1	3859052	2.31E-07	1.26E-07	-1.05E-07	8.78E-08	4.92E-08	-3.86E-08	4.47E-08	2.50E-08	-1.96E-08	8.78E-08	4.92E-08	-3.86E-08
1792	495411.1	3859052	2.31E-07	1.26E-07	-1.05E-07	8.75E-08	4.91E-08	-3.84E-08	4.45E-08	2.50E-08	-1.95E-08	8.75E-08	4.91E-08	-3.84E-08
1793	495461.1	3859052	2.30E-07	1.25E-07	-1.04E-07	8.71E-08	4.89E-08	-3.82E-08	4.43E-08	2.49E-08	-1.94E-08	8.71E-08	4.89E-08	-3.82E-08
1794	495511.1	3859052	2.27E-07	1.24E-07	-1.03E-07	8.63E-08	4.84E-08	-3.79E-08	4.39E-08	2.46E-08	-1.93E-08	8.63E-08	4.84E-08	-3.79E-08
1795	495561.1	3859052	2.26E-07	1.23E-07	-1.02E-07	8.56E-08	4.80E-08	-3.76E-08	4.35E-08	2.44E-08	-1.91E-08	8.56E-08	4.80E-08	-3.76E-08
1796	495611.1	3859052	2.24E-07	1.22E-07	-1.02E-07	8.49E-08	4.76E-08	-3.73E-08	4.32E-08	2.42E-08	-1.90E-08	8.49E-08	4.76E-08	-3.73E-08
1797	495661.1	3859052	2.24E-07	1.22E-07	-1.02E-07	8.49E-08	4.76E-08	-3.73E-08	4.32E-08	2.42E-08	-1.90E-08	8.49E-08	4.76E-08	-3.73E-08
1798	494311.1	3859102	2.97E-07	1.61E-07	-1.36E-07	1.13E-07	6.29E-08	-4.97E-08	5.73E-08	3.20E-08	-2.53E-08	1.13E-07	6.29E-08	-4.97E-08
1799	494361.1	3859102	2.94E-07	1.60E-07	-1.34E-07	1.12E-07	6.23E-08	-4.92E-08	5.67E-08	3.17E-08	-2.50E-08	1.12E-07	6.23E-08	-4.92E-08
1800	494411.1	3859102	2.92E-07	1.59E-07	-1.34E-07	1.11E-07	6.19E-08	-4.90E-08	5.64E-08	3.15E-08	-2.49E-08	1.11E-07	6.19E-08	-4.90E-08
1801	494461.1	3859102	2.89E-07	1.57E-07	-1.32E-07	1.10E-07	6.13E-08	-4.84E-08	5.58E-08	3.12E-08	-2.46E-08	1.10E-07	6.13E-08	-4.84E-08
1802	494511.1	3859102	2.85E-07	1.55E-07	-1.30E-07	1.08E-07	6.04E-08	-4.76E-08	5.49E-08	3.07E-08	-2.42E-08	1.08E-07	6.04E-08	-4.76E-08
1803	494561.1	3859102	2.81E-07	1.53E-07	-1.28E-07	1.07E-07	5.97E-08	-4.71E-08	5.43E-08	3.04E-08	-2.39E-08	1.07E-07	5.97E-08	-4.71E-08
1804	494611.1	3859102	2.77E-07	1.51E-07	-1.26E-07	1.05E-07	5.88E-08	-4.63E-08	5.34E-08	2.99E-08	-2.35E-08	1.05E-07	5.88E-08	-4.63E-08
1805	494661.1	3859102	2.74E-07	1.49E-07	-1.25E-07	1.04E-07	5.81E-08	-4.58E-08	5.28E-08	2.96E-08	-2.33E-08	1.04E-07	5.81E-08	-4.58E-08
1806	494711.1	3859102	2.69E-07	1.46E-07	-1.22E-07	1.02E-07	5.71E-08	-4.49E-08	5.19E-08	2.90E-08	-2.28E-08	1.02E-07	5.71E-08	-4.49E-08
1807	494761.1	3859102	2.67E-07	1.45E-07	-1.22E-07	1.01E-07	5.67E-08	-4.46E-08	5.15E-08	2.88E-08	-2.27E-08	1.01E-07	5.67E-08	-4.46E-08
1808	494811.1	3859102	2.63E-07	1.44E-07	-1.20E-07	9.99E-08	5.60E-08	-4.39E-08	5.08E-08	2.85E-08	-2.23E-08	9.99E-08	5.60E-08	-4.39E-08
1809	494861.1	3859102	2.60E-07	1.42E-07	-1.18E-07	9.87E-08	5.53E-08	-4.34E-08	5.02E-08	2.81E-08	-2.21E-08	9.87E-08	5.53E-08	-4.34E-08
1810	494911.1	3859102	2.56E-07	1.40E-07	-1.17E-07	9.72E-08	5.45E-08	-4.27E-08	4.94E-08	2.77E-08	-2.17E-08	9.72E-08	5.45E-08	-4.27E-08
1811	494961.1	3859102	2.51E-07	1.37E-07	-1.14E-07	9.52E-08	5.33E-08	-4.19E-08	4.84E-08	2.71E-08	-2.13E-08	9.52E-08	5.33E-08	-4.19E-08
1812	495011.1	3859102	2.45E-07	1.34E-07	-1.11E-07	9.29E-08	5.21E-08	-4.08E-08	4.73E-08	2.65E-08	-2.08E-08	9.29E-08	5.21E-08	-4.08E-08
1813	495061.1	3859102	2.44E-07	1.33E-07	-1.11E-07	9.26E-08	5.19E-08	-4.07E-08	4.71E-08	2.64E-08	-2.07E-08	9.26E-08	5.19E-08	-4.07E-08
1814	495111.1	3859102	2.42E-07	1.32E-07	-1.10E-07	9.17E-08	5.14E-08	-4.03E-08	4.67E-08	2.62E-08	-2.05E-08	9.17E-08	5.14E-08	-4.03E-08
1815	495161.1	3859102	2.42E-07	1.32E-07	-1.10E-07	9.17E-08	5.14E-08	-4.03E-08	4.67E-08	2.62E-08	-2.05E-08	9.17E-08	5.14E-08	-4.03E-08
1816	495211.1	3859102	2.40E-07	1.31E-07	-1.09E-07	9.11E-08	5.11E-08	-4.00E-08	4.63E-08	2.60E-08	-2.03E-08	9.11E-08	5.11E-08	-4.00E-08
1817	495261.1	3859102	2.39E-07	1.30E-07	-1.09E-07	9.07E-08	5.09E-08	-3.99E-08	4.61E-08	2.59E-08	-2.03E-08	9.07E-08	5.09E-08	-3.99E-08
1818	495311.1	3859102	2.37E-07	1.30E-07	-1.08E-07	9.00E-08	5.05E-08	-3.95E-08	4.58E-08	2.57E-08	-2.01E-08	9.00E-08	5.05E-08	-3.95E-08
1819	495361.1	3859102	2.37E-07	1.29E-07	-1.08E-07	9.00E-08	5.05E-08	-3.96E-08	4.58E-08	2.57E-08	-2.01E-08	9.00E-08	5.05E-08	-3.96E-08
1820	495411.1	3859102	2.36E-07	1.29E-07	-1.07E-07	8.95E-08	5.02E-08	-3.93E-08	4.55E-08	2.55E-08	-2.00E-08	8.95E-08	5.02E-08	-3.93E-08
1821	495461.1	3859102	2.34E-07	1.27E-07	-1.06E-07	8.87E-08	4.97E-08	-3.90E-08	4.51E-08	2.53E-08	-1.98E-08	8.87E-08	4.97E-08	-3.90E-08
1822	495511.1	3859102	2.32E-07	1.27E-07	-1.06E-07	8.82E-08	4.95E-08	-3.87E-08	4.48E-08	2.52E-08	-1.97E-08	8.82E-08	4.95E-08	-3.87E-08
1823	495561.1	3859102	2.31E-07	1.26E-07	-1.05E-07	8.76E-08	4.92E-08	-3.85E-08	4.46E-08	2.50E-08	-1.96E-08	8.76E-08	4.92E-08	-3.85E-08
1824	495611.1	3859102	2.29E-07	1.25E-07	-1.04E-07	8.70E-08	4.88E-08	-3.82E-08	4.42E-08	2.48E-08	-1.94E-08	8.70E-08	4.88E-08	-3.82E-08
1825	495661.1	3859102	2.28E-07	1.25E-07	-1.04E-07	8.66E-08	4.86E-08	-3.80E-08	4.40E-08	2.47E-08	-1.93E-08	8.66E-08	4.86E-08	-3.80E-08
1826	494311.1	3859152	3.05E-07	1.66E-07	-1.40E-07	1.16E-07	6.46E-08	-5.12E-08	5.89E-08	3.28E-08	-2.61E-08	1.16E-07	6.46E-08	-5.12E-08
1827	494361.1	3859152	3.03E-07	1.65E-07	-1.39E-07	1.15E-07	6.42E-08	-5.08E-08	5.85E-08	3.26E-08	-2.58E-08	1.15E-07	6.42E-08	-5.08E-08
1828	494411.1	3859152	2.99E-07	1.63E-07	-1.37E-07	1.14E-07	6.34E-08	-5.02E-08	5.78E-08	3.23E-08	-2.55E-08	1.14E-07	6.34E-08	-5.02E-08
1829	494461.1	3859152	2.96E-07	1.61E-07	-1.35E-07	1.12E-07	6.27E-08	-4.96E-08	5.71E-08	3.19E-08	-2.52E-08	1.12E-07	6.27E-08	-4.96E-08
1830	494511.1	3859152	2.91E-07	1.58E-07	-1.33E-07	1.11E-07	6.18E-08	-4.88E-08	5.62E-08	3.14E-08	-2.48E-08	1.11E-07	6.18E-08	-4.88E-08
1831	494561.1	3859152	2.88E-07	1.57E-07	-1.32E-07	1.09E-07	6.11E-08	-4.83E-08	5.56E-08	3.11E-08	-2.45E-08	1.09E-07	6.11E-08	-4.83E-08
1832	494611.1	3859152	2.84E-07	1.54E-07	-1.29E-07	1.08E-07	6.02E-08	-4.75E-08	5.47E-08	3.06E-08	-2.41E-08	1.08E-07	6.02E-08	-4.75E-08
1833	494661.1	3859152	2.81E-07	1.53E-07	-1.28E-07	1.06E-07	5.96E-08	-4.69E-08	5.41E-08	3.03E-08	-2.38E-08	1.06E-07	5.96E-08	-4.69E-08
1834	494711.1	3859152	2.78E-07	1.51E-07	-1.27E-07	1.05E-07	5.90E-08	-4.64E-08	5.36E-08	3.00E-08	-2.36E-08	1.05E-07	5.90E-08	-4.64E-08
1835	494761.1	3859152	2.73E-07	1.49E-07	-1.25E-07	1.04E-07	5.80E-08	-4.57E-08	5.27E-08	2.95E-08	-2.32E-08	1.04E-07	5.80E-08	-4.57E-08
1836	494811.1	3859152	2.69E-07	1.47E-07	-1.23E-07	1.02E-07	5.72E-08	-4.50E-08	5.20E-08	2.91E-08	-2.29E-08	1.02E-07	5.72E-08	-4.50E-08
1837	494861.1	3859152	2.67E-07	1.45E-07	-1.21E-07	1.01E-07	5.66E-08	-4.45E-08	5.14E-08	2.88E-08	-2.26E-08	1.01E-07	5.66E-08	-4.45E-08
1838	494911.1	3859152	2.62E-07	1.43E-07	-1.19E-07	9.93E-08	5.56E-08	-4.36E-08	5.05E-08	2.83E-08	-2.22E-08	9.93E-08	5.56E-08	-4.36E-08
1839	494961.1	3859152	2.55E-07	1.39E-07	-1.16E-07	9.69E-08	5.43E-08	-4.26E-08	4.93E-08	2.76E-08	-2.16E-08	9.69E-08	5.43E-08	-4.26E-08
1840	495011.1	3859152	2.51E-07	1.37E-07	-1.14E-07	9.52E-08	5.33E-08	-4.19E-08	4.84E-08	2.71E-08	-2.13E-08	9.52E-08	5.33E-08	-4.19E-08
1841	495061.1	3859152	2.49E-07	1.36E-07	-1.14E-07	9.46E-08	5.30E-08	-4.16E-08	4.81E-08	2.70E-08	-2.12E-08	9.46E-08	5.30E-08	-4.16E-08
1842	495111.1	3859152	2.48E-07	1.35E-07	-1.13E-07	9.40E-08	5.27E-08	-4.13E-08	4.78E-08	2.68E-08	-2.10E-08	9.40E-08	5.27E-08	-4.13E-08
1843	495161.1	3859152	2.48E-07	1.35E-07	-1.13E-07	9.40E-08	5.27E-08	-4.13E-08	4.78E-08	2.68E-08	-2.10E-08	9.40E-08	5.27E-08	-4.13E-08
1844	495211.1	3859152	2.46E-07	1.34E-07	-1.12E-07	9.33E-08	5.23E-08	-4.10E-08	4.74E-08	2.66E-08	-2.08E-08	9.33E-08	5.23E-08	-4.10E-08
1845	495261.1	3859152	2.45E-07	1.33E-07	-1.11E-07	9.28E-08	5.20E-08	-4.08E-08	4.72E-08	2.65E-08	-2.07E-08	9.28E-08	5.20E-08	-4.08E-08
1846	495311.1	3859152	2.43E-07	1.33E-07	-1.11E-07	9.23E-08	5.17E-08	-4.05E-08	4.69E-08	2.63E-08	-2.06E-08	9.23E-08	5.17E-08	-4.05E-08
1847	495361.1	3859152	2.42E-07	1.32E-07	-1.10E-07	9.17E-08	5.14E-08	-4.03E-08	4.67E-08	2.62E-08	-2.05E-08	9.17E-08	5.14E-08	-4.03E-08
1848	495411.1	3859152	2.42E-07	1.32E-07	-1.10E-07	9.17E-08	5.14E-08	-4.03E-08	4.67E-08	2.62E-08	-2.05E-08	9.17E-08	5.14E-08	-4.03E-08
1849	495461.1	3859152	2.40E-07	1.31E-07	-1.09E-07	9.12E-08	5.11E-08	-4.01E-08	4.64E-08	2.60E-08	-2.04E-08	9.12E-08	5.11E-08	-4.01E-08
1850	495511.1	3859152	2.38E-07	1.30E-07	-1.08E-07	9.04E-08	5.07E-08	-3.97E-08	4.60E-08	2.58E-08	-2.02E-08	9.04E-08	5.07E-08	-3.97E-08
1851	495561.1	3859152	2.36E-07	1.29E-07	-1.07E-07	8.97E-08	5.03E-08	-3.94E-08	4.56E-08	2.56E-08	-2.00E-08	8.97E-08	5.03E-08	-3.94E-08
1852	495611.1	3859152	2.35E-07	1.28E-07	-1.07E-07	8.90E-08	4.99E-08	-3.91E-08	4.53E-08	2.54E-08	-1.99E-08	8.90E-08	4.99E-08	-3.91E-08
1853	495661.1	3859152	2.33E-07	1.27E-07	-1.06E-07	8.85E-08	4.97E-08	-3.88E-08	4.50E-08	2.53E-08	-1.98E-08	8.85E-08	4.97E-08	-3.88E-08
1854	494311.1	3859202	3.14E-07	1.70E-07	-1.44E-07	1.19E-07	6.65E-08	-5.28E-08	6.06E-08	3.38E-08	-2.68E-08	1.19E-07	6.65E-08	-5.28E-08
1855	494361.1	3859202	3.12E-07	1.69E-07	-1.43E-07	1.18E-07	6.59E-08	-5.23E-08	6.01E-08	3.35E-08	-2.66E-08	1.18E-07	6.59E-08	-5.23E-08
1856	494411.1	3859202	3.08E-07	1.67E-07	-1.41E-07	1.17E-07	6.51E-08	-5.17E-08	5.94E-08	3.31E-08	-2.63E-08	1.17E-07	6.51E-08	-5.17E-08
1857	494461.1	3859202	3.03E-07	1.65E-07	-1.39E-07	1.15E-07	6.42E-08	-5.08E-08	5.85E-08	3.26E-08	-2.58E-08	1.15E-07	6.42E-08	-5.08E-08
1858	494511.1	3859202	2.99E-07	1.63E-07	-1.37E-07	1.14E-07	6.34E-08	-5.02E-08	5.78E-08	3.23E-08	-2.55E-08	1.14E-07	6.34E-08	-5.02E-08
1859	494561.1	3859202	2.95E-07	1.60E-07	-1.35E-07	1.12E-07	6.25E-08	-4.94E-08	5.69E-08	3.18E-08	-2.51E-08	1.12E-07	6.25E-08	-4.94E-08
1860	494611.1	3859202	2.91E-07	1.58E-07	-1.33E-07	1.10E-07	6.17E-08	-4.87E-08	5.61E-08	3.14E-08	-2.48E-08	1.10E-07	6.17E-08	-4.87E-08
1861	494661.1	3859202	2.88E-07	1.56E-07	-1.31E-07	1.09E-07	6.10E-08	-4.82E-08	5.55E-08	3.10E-08	-2.45E-08	1.09E-07	6.10E-08	-4.82E-08
1862	494711.1	3859202	2.84E-07	1.55E-07	-1.30E-07	1.08E-07	6.03E-08	-4.75E-08	5.48E-08	3.07E-08	-2.42E-08	1.08E-07	6.03E-08	-4.75E-08
1863	494761.1	3859202	2.80E-07	1.52E-07	-1.28E-07	1.06E-07	5.93E-08	-4.68E-08	5.40E-08	3.02E-08	-2.38E-08	1.06E-07	5.93E-08	-4.68E-08
1864	494811.1	3859202	2.76E-07	1.50E-07	-1.26E-07	1.05E-07	5.85E-08	-4.61E-08	5.32E-08	2.97E-08	-2.34E-08	1.05E-07	5.85E-08	-4.61E-08
1865	494861.1	3859202	2.71E-07	1.47E-07	-1.23E-07	1.03E-07	5.75E-08	-4.52E-08	5.22E-08	2.92E-08	-2.30E-08	1.03E-07	5.75E-08	-4.52E-08
1866	494911.1	3859202	2.66E-07	1.45E-07	-1.21E-07	1.01E-07	5.66E-08	-4.44E-08	5.13E-08	2.88E-08	-2.26E-08	1.01E-07	5.66E-08	-4.44E-08
1867	494961.1	3859202	2.61E-07	1.42E-07	-1.19E-07	9.91E-08	5.55E-08	-4.36E-08	5.04E-08	2.82E-08	-2.22E-08	9.91E-08	5.55E-08	-4.36E-08
1868	495011.1	3859202	2.54E-07	1.39E-07	-1.16E-07	9.65E-08	5.41E-08	-4.24E-08	4.91E-08	2.75E-08	-2.16E-08	9.65E-08	5.41E-08	-4.24E-08
1869	495061.1	3859202	2.56E-07	1.39E-07	-1.16E-07	9.70E-08	5.44E-08	-4.27E-08	4.93E-08	2.76E-08	-2.17E-08	9.70E-08	5.44E-08	-4.27E-08
1870	495111.1	3859202	2.54E-07	1.39E-07	-1.16E-07	9.65E-08	5.41E-08	-4.24E-08	4.91E-08	2.75E-08	-2.16E-08	9.65E-08	5.41E-08	-4.24E-08
1871	495161.1	3859202	2.53E-07	1.38E-07	-1.15E-07	9.60E-08	5.38E-08	-4.22E-08	4.88E-08	2.74E-08	-2.14E-08	9.60E-08	5.38E-08	-4.22E-08
1872	495211.1	3859202	2.51E-07	1.37E-07	-1.14E-07	9.53E-08	5.34E-08	-4.19E-08	4.85E-08	2.72E-08	-2.13E-08	9.53E-08	5.34E-08	-4.19E-08
1873	495261.1	3859202	2.50E-07	1.36E-07	-1.14E-07	9.50E-08	5.32E-08	-4.18E-08	4.83E-08	2.71E-08	-2.12E-08	9.50E-08	5.32E-08	-4.18E-08
1874	495311.1	3859202	2.49E-07	1.36E-07	-1.13E-07	9.45E-08	5.30E-08	-4.15E-08	4.80E-08	2.69E-08	-2.11E-08	9.45E-08	5.30E-08	-4.15E-08
1875	495361.1	3859202	2.48E-07	1.35E-07	-1.13E-07	9.40E-08	5.27E-08	-4.13E-08	4.78E-08	2.68E-08	-2.10E-08	9.40E-08	5.27E-08	-4.13E-08
1876	495411.1	3859202	2.47E-07	1.35E-07	-1.12E-07	9.38E-08	5.26E-08	-4.12E-08	4.77E-08	2.67E-08	-2.10E-08	9.38E-08	5.26E-08	-4.12E-08
1877	495461.1	3859202	2.46E-07	1.34E-07	-1.12E-07	9.33E-08	5.23E-08	-4.10E-08	4.74E-08	2.66E-08	-2.08E-08	9.33E-08	5.23E-08	-4.10E-08
1878	495511.1	3859202	2.44E-07	1.33E-07	-1.11E-07	9.26E-08	5.20E-08	-4.06E-08	4.71E-08	2.64E-08	-2.07E-08	9.26E-08	5.20E-08	-4.06E-08

1879	495561.1	3859202	2.42E-07	1.32E-07	-1.10E-07	9.17E-08	5.14E-08	-4.03E-08	4.67E-08	2.62E-08	-2.05E-08	9.17E-08	5.14E-08	-4.03E-08
1880	495611.1	3859202	2.40E-07	1.31E-07	-1.09E-07	9.09E-08	5.10E-08	-3.99E-08	4.62E-08	2.59E-08	-2.03E-08	9.09E-08	5.10E-08	-3.99E-08
1881	495661.1	3859202	2.38E-07	1.30E-07	-1.08E-07	9.04E-08	5.07E-08	-3.97E-08	4.60E-08	2.58E-08	-2.02E-08	9.04E-08	5.07E-08	-3.97E-08
1882	494311.1	3859252	3.23E-07	1.75E-07	-1.48E-07	1.23E-07	6.83E-08	-5.44E-08	6.24E-08	3.47E-08	-2.77E-08	1.23E-07	6.83E-08	-5.44E-08
1883	494361.1	3859252	3.20E-07	1.73E-07	-1.47E-07	1.21E-07	6.75E-08	-5.38E-08	6.17E-08	3.43E-08	-2.73E-08	1.21E-07	6.75E-08	-5.38E-08
1884	494411.1	3859252	3.14E-07	1.70E-07	-1.44E-07	1.19E-07	6.65E-08	-5.28E-08	6.06E-08	3.38E-08	-2.68E-08	1.19E-07	6.65E-08	-5.28E-08
1885	494461.1	3859252	3.11E-07	1.69E-07	-1.42E-07	1.18E-07	6.58E-08	-5.23E-08	6.00E-08	3.35E-08	-2.66E-08	1.18E-07	6.58E-08	-5.23E-08
1886	494511.1	3859252	3.05E-07	1.66E-07	-1.40E-07	1.16E-07	6.46E-08	-5.12E-08	5.89E-08	3.28E-08	-2.61E-08	1.16E-07	6.46E-08	-5.12E-08
1887	494561.1	3859252	3.02E-07	1.64E-07	-1.38E-07	1.14E-07	6.39E-08	-5.06E-08	5.82E-08	3.25E-08	-2.57E-08	1.14E-07	6.39E-08	-5.06E-08
1888	494611.1	3859252	2.97E-07	1.61E-07	-1.36E-07	1.13E-07	6.30E-08	-4.98E-08	5.73E-08	3.20E-08	-2.53E-08	1.13E-07	6.30E-08	-4.98E-08
1889	494661.1	3859252	2.95E-07	1.60E-07	-1.35E-07	1.12E-07	6.24E-08	-4.93E-08	5.68E-08	3.17E-08	-2.51E-08	1.12E-07	6.24E-08	-4.93E-08
1890	494711.1	3859252	2.91E-07	1.58E-07	-1.33E-07	1.10E-07	6.17E-08	-4.87E-08	5.61E-08	3.14E-08	-2.48E-08	1.10E-07	6.17E-08	-4.87E-08
1891	494761.1	3859252	2.84E-07	1.54E-07	-1.30E-07	1.08E-07	6.01E-08	-4.75E-08	5.47E-08	3.06E-08	-2.42E-08	1.08E-07	6.01E-08	-4.75E-08
1892	494811.1	3859252	2.82E-07	1.54E-07	-1.29E-07	1.07E-07	5.99E-08	-4.72E-08	5.45E-08	3.05E-08	-2.40E-08	1.07E-07	5.99E-08	-4.72E-08
1893	494861.1	3859252	2.75E-07	1.50E-07	-1.25E-07	1.04E-07	5.84E-08	-4.60E-08	5.31E-08	2.97E-08	-2.34E-08	1.04E-07	5.84E-08	-4.60E-08
1894	494911.1	3859252	2.71E-07	1.48E-07	-1.24E-07	1.03E-07	5.75E-08	-4.53E-08	5.23E-08	2.93E-08	-2.30E-08	1.03E-07	5.75E-08	-4.53E-08
1895	494961.1	3859252	2.68E-07	1.46E-07	-1.22E-07	1.01E-07	5.68E-08	-4.47E-08	5.16E-08	2.89E-08	-2.27E-08	1.01E-07	5.68E-08	-4.47E-08
1896	495011.1	3859252	2.64E-07	1.44E-07	-1.20E-07	1.00E-07	5.61E-08	-4.40E-08	5.09E-08	2.85E-08	-2.24E-08	1.00E-07	5.61E-08	-4.40E-08
1897	495061.1	3859252	2.63E-07	1.43E-07	-1.20E-07	9.98E-08	5.59E-08	-4.39E-08	5.07E-08	2.84E-08	-2.23E-08	9.98E-08	5.59E-08	-4.39E-08
1898	495111.1	3859252	2.61E-07	1.42E-07	-1.19E-07	9.91E-08	5.55E-08	-4.36E-08	5.04E-08	2.82E-08	-2.22E-08	9.91E-08	5.55E-08	-4.36E-08
1899	495161.1	3859252	2.60E-07	1.41E-07	-1.18E-07	9.86E-08	5.52E-08	-4.34E-08	5.01E-08	2.81E-08	-2.21E-08	9.86E-08	5.52E-08	-4.34E-08
1900	495211.1	3859252	2.58E-07	1.40E-07	-1.17E-07	9.77E-08	5.47E-08	-4.30E-08	4.97E-08	2.78E-08	-2.19E-08	9.77E-08	5.47E-08	-4.30E-08
1901	495261.1	3859252	2.55E-07	1.39E-07	-1.16E-07	9.69E-08	5.43E-08	-4.26E-08	4.93E-08	2.76E-08	-2.16E-08	9.69E-08	5.43E-08	-4.26E-08
1902	495311.1	3859252	2.55E-07	1.39E-07	-1.16E-07	9.69E-08	5.43E-08	-4.26E-08	4.93E-08	2.76E-08	-2.17E-08	9.69E-08	5.43E-08	-4.26E-08
1903	495361.1	3859252	2.54E-07	1.38E-07	-1.15E-07	9.62E-08	5.39E-08	-4.23E-08	4.89E-08	2.74E-08	-2.15E-08	9.62E-08	5.39E-08	-4.23E-08
1904	495411.1	3859252	2.53E-07	1.38E-07	-1.15E-07	9.60E-08	5.38E-08	-4.22E-08	4.88E-08	2.74E-08	-2.14E-08	9.60E-08	5.38E-08	-4.22E-08
1905	495461.1	3859252	2.52E-07	1.37E-07	-1.15E-07	9.55E-08	5.35E-08	-4.20E-08	4.86E-08	2.72E-08	-2.14E-08	9.55E-08	5.35E-08	-4.20E-08
1906	495511.1	3859252	2.49E-07	1.36E-07	-1.13E-07	9.45E-08	5.30E-08	-4.15E-08	4.80E-08	2.69E-08	-2.11E-08	9.45E-08	5.30E-08	-4.15E-08
1907	495561.1	3859252	2.47E-07	1.35E-07	-1.12E-07	9.38E-08	5.26E-08	-4.12E-08	4.77E-08	2.67E-08	-2.10E-08	9.38E-08	5.26E-08	-4.12E-08
1908	495611.1	3859252	2.45E-07	1.33E-07	-1.11E-07	9.28E-08	5.21E-08	-4.07E-08	4.72E-08	2.65E-08	-2.07E-08	9.28E-08	5.21E-08	-4.07E-08
1909	495661.1	3859252	2.43E-07	1.33E-07	-1.11E-07	9.23E-08	5.17E-08	-4.05E-08	4.69E-08	2.63E-08	-2.06E-08	9.23E-08	5.17E-08	-4.05E-08
1910	494311.1	3859302	3.32E-07	1.80E-07	-1.52E-07	1.26E-07	7.02E-08	-5.59E-08	6.41E-08	3.57E-08	-2.84E-08	1.26E-07	7.02E-08	-5.59E-08
1911	494361.1	3859302	3.28E-07	1.78E-07	-1.50E-07	1.24E-07	6.93E-08	-5.51E-08	6.33E-08	3.52E-08	-2.80E-08	1.24E-07	6.93E-08	-5.51E-08
1912	494411.1	3859302	3.23E-07	1.75E-07	-1.48E-07	1.22E-07	6.82E-08	-5.43E-08	6.23E-08	3.47E-08	-2.76E-08	1.22E-07	6.82E-08	-5.43E-08
1913	494461.1	3859302	3.17E-07	1.72E-07	-1.45E-07	1.20E-07	6.71E-08	-5.33E-08	6.13E-08	3.41E-08	-2.71E-08	1.20E-07	6.71E-08	-5.33E-08
1914	494511.1	3859302	3.13E-07	1.70E-07	-1.43E-07	1.19E-07	6.62E-08	-5.26E-08	6.04E-08	3.37E-08	-2.67E-08	1.19E-07	6.62E-08	-5.26E-08
1915	494561.1	3859302	3.09E-07	1.68E-07	-1.42E-07	1.17E-07	6.55E-08	-5.19E-08	5.97E-08	3.33E-08	-2.64E-08	1.17E-07	6.55E-08	-5.19E-08
1916	494611.1	3859302	3.05E-07	1.66E-07	-1.40E-07	1.16E-07	6.46E-08	-5.12E-08	5.89E-08	3.28E-08	-2.61E-08	1.16E-07	6.46E-08	-5.12E-08
1917	494661.1	3859302	3.01E-07	1.64E-07	-1.38E-07	1.14E-07	6.38E-08	-5.05E-08	5.81E-08	3.24E-08	-2.57E-08	1.14E-07	6.38E-08	-5.05E-08
1918	494711.1	3859302	2.97E-07	1.61E-07	-1.36E-07	1.13E-07	6.29E-08	-4.97E-08	5.73E-08	3.20E-08	-2.53E-08	1.13E-07	6.29E-08	-4.97E-08
1919	494761.1	3859302	2.93E-07	1.59E-07	-1.34E-07	1.11E-07	6.20E-08	-4.90E-08	5.65E-08	3.16E-08	-2.49E-08	1.11E-07	6.20E-08	-4.90E-08
1920	494811.1	3859302	2.88E-07	1.56E-07	-1.31E-07	1.09E-07	6.10E-08	-4.82E-08	5.55E-08	3.10E-08	-2.45E-08	1.09E-07	6.10E-08	-4.82E-08
1921	494861.1	3859302	2.81E-07	1.53E-07	-1.28E-07	1.07E-07	5.97E-08	-4.71E-08	5.43E-08	3.04E-08	-2.39E-08	1.07E-07	5.97E-08	-4.71E-08
1922	494911.1	3859302	2.78E-07	1.51E-07	-1.27E-07	1.05E-07	5.89E-08	-4.65E-08	5.36E-08	3.00E-08	-2.36E-08	1.05E-07	5.89E-08	-4.65E-08
1923	494961.1	3859302	2.72E-07	1.48E-07	-1.24E-07	1.03E-07	5.76E-08	-4.54E-08	5.24E-08	2.93E-08	-2.31E-08	1.03E-07	5.76E-08	-4.54E-08
1924	495011.1	3859302	2.68E-07	1.46E-07	-1.22E-07	1.02E-07	5.70E-08	-4.48E-08	5.18E-08	2.90E-08	-2.28E-08	1.02E-07	5.70E-08	-4.48E-08
1925	495061.1	3859302	2.69E-07	1.47E-07	-1.23E-07	1.02E-07	5.72E-08	-4.50E-08	5.20E-08	2.91E-08	-2.29E-08	1.02E-07	5.72E-08	-4.50E-08
1926	495111.1	3859302	2.66E-07	1.45E-07	-1.21E-07	1.01E-07	5.65E-08	-4.44E-08	5.13E-08	2.87E-08	-2.26E-08	1.01E-07	5.65E-08	-4.44E-08
1927	495161.1	3859302	2.65E-07	1.44E-07	-1.20E-07	1.00E-07	5.63E-08	-4.42E-08	5.11E-08	2.86E-08	-2.25E-08	1.00E-07	5.63E-08	-4.42E-08
1928	495211.1	3859302	2.64E-07	1.44E-07	-1.20E-07	1.00E-07	5.62E-08	-4.41E-08	5.10E-08	2.86E-08	-2.24E-08	1.00E-07	5.62E-08	-4.41E-08
1929	495261.1	3859302	2.63E-07	1.43E-07	-1.20E-07	9.99E-08	5.60E-08	-4.40E-08	5.08E-08	2.85E-08	-2.24E-08	9.99E-08	5.60E-08	-4.40E-08
1930	495311.1	3859302	2.61E-07	1.42E-07	-1.19E-07	9.89E-08	5.54E-08	-4.35E-08	5.03E-08	2.82E-08	-2.21E-08	9.89E-08	5.54E-08	-4.35E-08
1931	495361.1	3859302	2.60E-07	1.42E-07	-1.18E-07	9.86E-08	5.52E-08	-4.33E-08	5.01E-08	2.81E-08	-2.20E-08	9.86E-08	5.52E-08	-4.33E-08
1932	495411.1	3859302	2.58E-07	1.41E-07	-1.18E-07	9.81E-08	5.49E-08	-4.31E-08	4.99E-08	2.79E-08	-2.19E-08	9.81E-08	5.49E-08	-4.31E-08
1933	495461.1	3859302	2.57E-07	1.40E-07	-1.17E-07	9.76E-08	5.47E-08	-4.29E-08	4.96E-08	2.78E-08	-2.18E-08	9.76E-08	5.47E-08	-4.29E-08
1934	495511.1	3859302	2.55E-07	1.39E-07	-1.16E-07	9.67E-08	5.42E-08	-4.25E-08	4.92E-08	2.75E-08	-2.16E-08	9.67E-08	5.42E-08	-4.25E-08
1935	495561.1	3859302	2.52E-07	1.37E-07	-1.15E-07	9.55E-08	5.35E-08	-4.20E-08	4.86E-08	2.72E-08	-2.14E-08	9.55E-08	5.35E-08	-4.20E-08
1936	495611.1	3859302	2.50E-07	1.36E-07	-1.14E-07	9.48E-08	5.31E-08	-4.17E-08	4.82E-08	2.70E-08	-2.12E-08	9.48E-08	5.31E-08	-4.17E-08
1937	495661.1	3859302	2.48E-07	1.35E-07	-1.13E-07	9.40E-08	5.27E-08	-4.13E-08	4.78E-08	2.68E-08	-2.10E-08	9.40E-08	5.27E-08	-4.13E-08
1938	494311.1	3859352	3.40E-07	1.84E-07	-1.56E-07	1.29E-07	7.18E-08	-5.74E-08	6.57E-08	3.65E-08	-2.92E-08	1.29E-07	7.18E-08	-5.74E-08
1939	494361.1	3859352	3.36E-07	1.82E-07	-1.54E-07	1.27E-07	7.09E-08	-5.66E-08	6.48E-08	3.60E-08	-2.88E-08	1.27E-07	7.09E-08	-5.66E-08
1940	494411.1	3859352	3.30E-07	1.79E-07	-1.51E-07	1.25E-07	6.97E-08	-5.55E-08	6.37E-08	3.54E-08	-2.82E-08	1.25E-07	6.97E-08	-5.55E-08
1941	494461.1	3859352	3.25E-07	1.76E-07	-1.49E-07	1.23E-07	6.86E-08	-5.47E-08	6.27E-08	3.49E-08	-2.78E-08	1.23E-07	6.86E-08	-5.47E-08
1942	494511.1	3859352	3.20E-07	1.73E-07	-1.47E-07	1.21E-07	6.77E-08	-5.38E-08	6.18E-08	3.44E-08	-2.74E-08	1.21E-07	6.77E-08	-5.38E-08
1943	494561.1	3859352	3.17E-07	1.72E-07	-1.45E-07	1.20E-07	6.69E-08	-5.32E-08	6.11E-08	3.40E-08	-2.70E-08	1.20E-07	6.69E-08	-5.32E-08
1944	494611.1	3859352	3.13E-07	1.70E-07	-1.43E-07	1.19E-07	6.61E-08	-5.26E-08	6.04E-08	3.36E-08	-2.68E-08	1.19E-07	6.61E-08	-5.26E-08
1945	494661.1	3859352	3.08E-07	1.67E-07	-1.41E-07	1.17E-07	6.53E-08	-5.18E-08	5.95E-08	3.32E-08	-2.63E-08	1.17E-07	6.53E-08	-5.18E-08
1946	494711.1	3859352	3.04E-07	1.65E-07	-1.39E-07	1.15E-07	6.42E-08	-5.09E-08	5.86E-08	3.27E-08	-2.59E-08	1.15E-07	6.42E-08	-5.09E-08
1947	494761.1	3859352	2.97E-07	1.61E-07	-1.36E-07	1.13E-07	6.28E-08	-4.98E-08	5.73E-08	3.19E-08	-2.53E-08	1.13E-07	6.28E-08	-4.98E-08
1948	494811.1	3859352	2.90E-07	1.58E-07	-1.33E-07	1.10E-07	6.16E-08	-4.86E-08	5.60E-08	3.13E-08	-2.47E-08	1.10E-07	6.16E-08	-4.86E-08
1949	494861.1	3859352	2.87E-07	1.56E-07	-1.31E-07	1.09E-07	6.09E-08	-4.81E-08	5.54E-08	3.10E-08	-2.45E-08	1.09E-07	6.09E-08	-4.81E-08
1950	494911.1	3859352	2.85E-07	1.55E-07	-1.30E-07	1.08E-07	6.04E-08	-4.76E-08	5.49E-08	3.07E-08	-2.42E-08	1.08E-07	6.04E-08	-4.76E-08
1951	494961.1	3859352	2.81E-07	1.53E-07	-1.28E-07	1.07E-07	5.96E-08	-4.70E-08	5.42E-08	3.03E-08	-2.39E-08	1.07E-07	5.96E-08	-4.70E-08
1952	495011.1	3859352	2.78E-07	1.51E-07	-1.27E-07	1.06E-07	5.91E-08	-4.65E-08	5.37E-08	3.00E-08	-2.37E-08	1.06E-07	5.91E-08	-4.65E-08
1953	495061.1	3859352	2.78E-07	1.51E-07	-1.27E-07	1.06E-07	5.90E-08	-4.66E-08	5.37E-08	3.00E-08	-2.37E-08	1.06E-07	5.90E-08	-4.66E-08
1954	495111.1	3859352	2.75E-07	1.50E-07	-1.25E-07	1.04E-07	5.84E-08	-4.60E-08	5.31E-08	2.97E-08	-2.34E-08	1.04E-07	5.84E-08	-4.60E-08
1955	495161.1	3859352	2.73E-07	1.49E-07	-1.25E-07	1.04E-07	5.80E-08	-4.57E-08	5.27E-08	2.95E-08	-2.32E-08	1.04E-07	5.80E-08	-4.57E-08
1956	495211.1	3859352	2.72E-07	1.48E-07	-1.24E-07	1.03E-07	5.76E-08	-4.54E-08	5.24E-08	2.93E-08	-2.31E-08	1.03E-07	5.76E-08	-4.54E-08
1957	495261.1	3859352	2.70E-07	1.47E-07	-1.23E-07	1.03E-07	5.73E-08	-4.52E-08	5.21E-08	2.92E-08	-2.30E-08	1.03E-07	5.73E-08	-4.52E-08
1958	495311.1	3859352	2.68E-07	1.46E-07	-1.22E-07	1.01E-07	5.68E-08	-4.47E-08	5.16E-08	2.89E-08	-2.27E-08	1.01E-07	5.68E-08	-4.47E-08
1959	495361.1	3859352	2.66E-07	1.45E-07	-1.21E-07	1.01E-07	5.64E-08	-4.44E-08	5.13E-08	2.87E-08	-2.26E-08	1.01E-07	5.64E-08	-4.44E-08
1960	495411.1	3859352	2.64E-07	1.44E-07	-1.20E-07	1.00E-07	5.62E-08	-4.41E-08	5.10E-08	2.86E-08	-2.24E-08	1.00E-07	5.62E-08	-4.41E-08
1961	495461.1	3859352	2.63E-07	1.44E-07	-1.20E-07	9.99E-08	5.60E-08	-4.39E-08	5.08E-08	2.85E-08	-2.23E-08	9.99E-08	5.60E-08	-4.39E-08
1962	495511.1	3859352	2.60E-07	1.42E-07	-1.18E-07	9.87E-08	5.53E-08	-4.34E-08	5.02E-08	2.81E-08	-2.21E-08	9.87E-08	5.53E-08	-4.34E-08
1963	495561.1	3859352	2.58E-07	1.41E-07	-1.17E-07	9.79E-08	5.48E-08	-4.30E-08	4.98E-08	2.79E-08	-2.19E-08	9.79E-08	5.48E-08	-4.30E-08
1964	495611.1	3859352	2.56E-07	1.40E-07	-1.17E-07	9.72E-08	5.45E-08	-4.27E-08	4.94E-08	2.77E-08	-2.17E-08	9.72E-08	5.45E-08	-4.27E-08
1965	495661.1	3859352	2.53E-07	1.38E-07	-1.15E-07	9.60E-08	5.38E-08	-4.22E-08	4.88E-08	2.74E-08	-2.14E-08	9.60E-08	5.38E-08	-4.22E-08
1966	494311.1	3859402	3.49E-07	1.89E-07	-1.61E-07	1.33E-07	7.37E-08	-5.89E-08	6.74E-08	3.75E-08	-3.00E-08	1.33E-07	7.37E-08	-5.89E-08
1967	494361.1	3859402	3.43E-07	1.86E-07	-1.58E-07	1.30E-07	7.24E-08	-5.78E-08	6.62E-08	3.68E-08	-2.94E-08	1.30E-07	7.24E-08	-5.78E-08
1968	494411.1	3859402	3.37E-07	1.82E-07	-1.55E-07	1.28E-07	7.12E-08	-5.68E-08	6.51E-08	3.62E-08	-2.89E-08	1.28E-07	7.12E-08	-5.68E-08
1969	494461.1	3859402	3.32E-07	1.80E-07	-1.52E-07	1.26E-07	7.02E-08	-5.59E-08	6.41E-08	3.57E-08	-2.84E-08	1.26E-07	7.02E-08	-5.59E-08
1970	494511.1	3859402	3.29E-07	1.78E-07	-1.51E-07	1.25E-07	6.94E-08	-5.53E-08	6.34E-08	3.53E-08	-2.81E-08	1.25E-07	6.94E-08	-5.53E-08
1971	494561.1	3859402	3.25E-07	1.76E-07	-1.49E-07	1.23E-07	6.86E-08	-5.47E-08	6.27E-08	3.49E-08	-2.78E-08	1.23E-07	6.86E-08	-5.47E-08
1972	494611.1	3859402	3.20E-07	1.73E-07	-1.47E-07	1.21E-07	6.77E-08	-5.38E-08	6.18E-08	3.44E-08	-2.74E-08	1.21E-07	6.77E-08	-5.38E-08

1973	494661.1	3859402	3.17E-07	1.72E-07	-1.45E-07	1.20E-07	6.70E-08	-5.33E-08	6.12E-08	3.41E-08	-2.71E-08	1.20E-07	6.70E-08	-5.33E-08
1974	494711.1	3859402	3.13E-07	1.69E-07	-1.43E-07	1.19E-07	6.61E-08	-5.25E-08	6.03E-08	3.36E-08	-2.67E-08	1.19E-07	6.61E-08	-5.25E-08
1975	494761.1	3859402	3.05E-07	1.65E-07	-1.40E-07	1.16E-07	6.45E-08	-5.12E-08	5.88E-08	3.28E-08	-2.60E-08	1.16E-07	6.45E-08	-5.12E-08
1976	494811.1	3859402	3.01E-07	1.63E-07	-1.38E-07	1.14E-07	6.37E-08	-5.04E-08	5.80E-08	3.24E-08	-2.57E-08	1.14E-07	6.37E-08	-5.04E-08
1977	494861.1	3859402	2.95E-07	1.60E-07	-1.35E-07	1.12E-07	6.25E-08	-4.94E-08	5.69E-08	3.18E-08	-2.51E-08	1.12E-07	6.25E-08	-4.94E-08
1978	494911.1	3859402	2.90E-07	1.58E-07	-1.33E-07	1.10E-07	6.15E-08	-4.87E-08	5.60E-08	3.13E-08	-2.48E-08	1.10E-07	6.15E-08	-4.87E-08
1979	494961.1	3859402	2.89E-07	1.57E-07	-1.32E-07	1.10E-07	6.11E-08	-4.84E-08	5.57E-08	3.11E-08	-2.46E-08	1.10E-07	6.11E-08	-4.84E-08
1980	495011.1	3859402	2.86E-07	1.56E-07	-1.31E-07	1.09E-07	6.07E-08	-4.80E-08	5.53E-08	3.09E-08	-2.44E-08	1.09E-07	6.07E-08	-4.80E-08
1981	495061.1	3859402	2.84E-07	1.54E-07	-1.29E-07	1.08E-07	6.02E-08	-4.75E-08	5.47E-08	3.06E-08	-2.41E-08	1.08E-07	6.02E-08	-4.75E-08
1982	495111.1	3859402	2.81E-07	1.53E-07	-1.28E-07	1.06E-07	5.95E-08	-4.69E-08	5.41E-08	3.03E-08	-2.39E-08	1.06E-07	5.95E-08	-4.69E-08
1983	495161.1	3859402	2.80E-07	1.52E-07	-1.27E-07	1.06E-07	5.94E-08	-4.67E-08	5.40E-08	3.02E-08	-2.38E-08	1.06E-07	5.94E-08	-4.67E-08
1984	495211.1	3859402	2.79E-07	1.52E-07	-1.27E-07	1.06E-07	5.91E-08	-4.66E-08	5.38E-08	3.01E-08	-2.37E-08	1.06E-07	5.91E-08	-4.66E-08
1985	495261.1	3859402	2.77E-07	1.50E-07	-1.26E-07	1.05E-07	5.87E-08	-4.62E-08	5.33E-08	2.98E-08	-2.35E-08	1.05E-07	5.87E-08	-4.62E-08
1986	495311.1	3859402	2.74E-07	1.49E-07	-1.25E-07	1.04E-07	5.82E-08	-4.58E-08	5.29E-08	2.96E-08	-2.33E-08	1.04E-07	5.82E-08	-4.58E-08
1987	495361.1	3859402	2.73E-07	1.49E-07	-1.25E-07	1.04E-07	5.80E-08	-4.57E-08	5.27E-08	2.95E-08	-2.32E-08	1.04E-07	5.80E-08	-4.57E-08
1988	495411.1	3859402	2.72E-07	1.48E-07	-1.24E-07	1.03E-07	5.77E-08	-4.55E-08	5.25E-08	2.94E-08	-2.31E-08	1.03E-07	5.77E-08	-4.55E-08
1989	495461.1	3859402	2.69E-07	1.47E-07	-1.23E-07	1.02E-07	5.72E-08	-4.50E-08	5.20E-08	2.91E-08	-2.29E-08	1.02E-07	5.72E-08	-4.50E-08
1990	495511.1	3859402	2.66E-07	1.45E-07	-1.21E-07	1.01E-07	5.65E-08	-4.44E-08	5.13E-08	2.87E-08	-2.26E-08	1.01E-07	5.65E-08	-4.44E-08
1991	495561.1	3859402	2.63E-07	1.43E-07	-1.20E-07	9.98E-08	5.59E-08	-4.39E-08	5.07E-08	2.84E-08	-2.23E-08	9.98E-08	5.59E-08	-4.39E-08
1992	495611.1	3859402	2.61E-07	1.42E-07	-1.19E-07	9.89E-08	5.54E-08	-4.35E-08	5.03E-08	2.82E-08	-2.21E-08	9.89E-08	5.54E-08	-4.35E-08
1993	495661.1	3859402	2.59E-07	1.41E-07	-1.18E-07	9.82E-08	5.50E-08	-4.32E-08	5.00E-08	2.80E-08	-2.20E-08	9.82E-08	5.50E-08	-4.32E-08
1994	494311.1	3859452	3.57E-07	1.93E-07	-1.64E-07	1.35E-07	7.52E-08	-6.01E-08	6.88E-08	3.82E-08	-3.06E-08	1.35E-07	7.52E-08	-6.01E-08
1995	494361.1	3859452	3.51E-07	1.90E-07	-1.61E-07	1.33E-07	7.40E-08	-5.91E-08	6.77E-08	3.76E-08	-3.01E-08	1.33E-07	7.40E-08	-5.91E-08
1996	494411.1	3859452	3.43E-07	1.86E-07	-1.58E-07	1.30E-07	7.24E-08	-5.78E-08	6.62E-08	3.68E-08	-2.94E-08	1.30E-07	7.24E-08	-5.78E-08
1997	494461.1	3859452	3.40E-07	1.84E-07	-1.56E-07	1.29E-07	7.18E-08	-5.72E-08	6.56E-08	3.65E-08	-2.91E-08	1.29E-07	7.18E-08	-5.72E-08
1998	494511.1	3859452	3.35E-07	1.81E-07	-1.54E-07	1.27E-07	7.07E-08	-5.64E-08	6.46E-08	3.60E-08	-2.87E-08	1.27E-07	7.07E-08	-5.64E-08
1999	494561.1	3859452	3.31E-07	1.79E-07	-1.52E-07	1.26E-07	7.00E-08	-5.58E-08	6.39E-08	3.56E-08	-2.84E-08	1.26E-07	7.00E-08	-5.58E-08
2000	494611.1	3859452	3.29E-07	1.78E-07	-1.51E-07	1.25E-07	6.94E-08	-5.53E-08	6.34E-08	3.53E-08	-2.81E-08	1.25E-07	6.94E-08	-5.53E-08
2001	494661.1	3859452	3.24E-07	1.75E-07	-1.48E-07	1.23E-07	6.84E-08	-5.44E-08	6.25E-08	3.48E-08	-2.77E-08	1.23E-07	6.84E-08	-5.44E-08
2002	494711.1	3859452	3.19E-07	1.73E-07	-1.46E-07	1.21E-07	6.74E-08	-5.37E-08	6.16E-08	3.43E-08	-2.73E-08	1.21E-07	6.74E-08	-5.37E-08
2003	494761.1	3859452	3.15E-07	1.71E-07	-1.44E-07	1.20E-07	6.66E-08	-5.30E-08	6.08E-08	3.39E-08	-2.69E-08	1.20E-07	6.66E-08	-5.30E-08
2004	494811.1	3859452	3.09E-07	1.68E-07	-1.42E-07	1.17E-07	6.54E-08	-5.20E-08	5.97E-08	3.33E-08	-2.64E-08	1.17E-07	6.54E-08	-5.20E-08
2005	494861.1	3859452	3.04E-07	1.65E-07	-1.39E-07	1.15E-07	6.44E-08	-5.11E-08	5.87E-08	3.28E-08	-2.60E-08	1.15E-07	6.44E-08	-5.11E-08
2006	494911.1	3859452	3.00E-07	1.63E-07	-1.37E-07	1.14E-07	6.36E-08	-5.04E-08	5.80E-08	3.23E-08	-2.56E-08	1.14E-07	6.36E-08	-5.04E-08
2007	494961.1	3859452	2.98E-07	1.62E-07	-1.36E-07	1.13E-07	6.31E-08	-5.00E-08	5.75E-08	3.21E-08	-2.54E-08	1.13E-07	6.31E-08	-5.00E-08
2008	495011.1	3859452	2.95E-07	1.60E-07	-1.35E-07	1.12E-07	6.25E-08	-4.94E-08	5.69E-08	3.18E-08	-2.51E-08	1.12E-07	6.25E-08	-4.94E-08
2009	495061.1	3859452	2.92E-07	1.59E-07	-1.34E-07	1.11E-07	6.19E-08	-4.90E-08	5.64E-08	3.15E-08	-2.49E-08	1.11E-07	6.19E-08	-4.90E-08
2010	495111.1	3859452	2.89E-07	1.57E-07	-1.32E-07	1.10E-07	6.13E-08	-4.84E-08	5.58E-08	3.12E-08	-2.46E-08	1.10E-07	6.13E-08	-4.84E-08
2011	495161.1	3859452	2.87E-07	1.56E-07	-1.31E-07	1.09E-07	6.09E-08	-4.81E-08	5.54E-08	3.10E-08	-2.45E-08	1.09E-07	6.09E-08	-4.81E-08
2012	495211.1	3859452	2.86E-07	1.55E-07	-1.31E-07	1.08E-07	6.06E-08	-4.79E-08	5.52E-08	3.08E-08	-2.43E-08	1.08E-07	6.06E-08	-4.79E-08
2013	495261.1	3859452	2.84E-07	1.55E-07	-1.30E-07	1.08E-07	6.03E-08	-4.75E-08	5.48E-08	3.07E-08	-2.42E-08	1.08E-07	6.03E-08	-4.75E-08
2014	495311.1	3859452	2.82E-07	1.53E-07	-1.29E-07	1.07E-07	5.98E-08	-4.72E-08	5.44E-08	3.04E-08	-2.40E-08	1.07E-07	5.98E-08	-4.72E-08
2015	495361.1	3859452	2.80E-07	1.52E-07	-1.28E-07	1.06E-07	5.94E-08	-4.69E-08	5.40E-08	3.02E-08	-2.38E-08	1.06E-07	5.94E-08	-4.69E-08
2016	495411.1	3859452	2.78E-07	1.51E-07	-1.27E-07	1.05E-07	5.89E-08	-4.65E-08	5.36E-08	3.00E-08	-2.36E-08	1.05E-07	5.89E-08	-4.65E-08
2017	495461.1	3859452	2.76E-07	1.50E-07	-1.26E-07	1.05E-07	5.85E-08	-4.61E-08	5.32E-08	2.97E-08	-2.34E-08	1.05E-07	5.85E-08	-4.61E-08
2018	495511.1	3859452	2.72E-07	1.48E-07	-1.24E-07	1.03E-07	5.77E-08	-4.55E-08	5.25E-08	2.94E-08	-2.31E-08	1.03E-07	5.77E-08	-4.55E-08
2019	495561.1	3859452	2.70E-07	1.47E-07	-1.23E-07	1.02E-07	5.72E-08	-4.51E-08	5.20E-08	2.91E-08	-2.29E-08	1.02E-07	5.72E-08	-4.51E-08
2020	495611.1	3859452	2.67E-07	1.45E-07	-1.22E-07	1.01E-07	5.67E-08	-4.46E-08	5.15E-08	2.88E-08	-2.27E-08	1.01E-07	5.67E-08	-4.46E-08
2021	495661.1	3859452	2.65E-07	1.44E-07	-1.21E-07	1.01E-07	5.63E-08	-4.43E-08	5.12E-08	2.86E-08	-2.25E-08	1.01E-07	5.63E-08	-4.43E-08
2022	494311.1	3859502	3.65E-07	1.97E-07	-1.68E-07	1.38E-07	7.69E-08	-6.15E-08	7.04E-08	3.91E-08	-3.13E-08	1.38E-07	7.69E-08	-6.15E-08
2023	494361.1	3859502	3.59E-07	1.94E-07	-1.65E-07	1.36E-07	7.56E-08	-6.05E-08	6.92E-08	3.85E-08	-3.08E-08	1.36E-07	7.56E-08	-6.05E-08
2024	494411.1	3859502	3.49E-07	1.89E-07	-1.60E-07	1.32E-07	7.36E-08	-5.88E-08	6.73E-08	3.74E-08	-2.99E-08	1.32E-07	7.36E-08	-5.88E-08
2025	494461.1	3859502	3.48E-07	1.88E-07	-1.60E-07	1.32E-07	7.34E-08	-5.86E-08	6.72E-08	3.73E-08	-2.98E-08	1.32E-07	7.34E-08	-5.86E-08
2026	494511.1	3859502	3.43E-07	1.85E-07	-1.57E-07	1.30E-07	7.23E-08	-5.77E-08	6.61E-08	3.68E-08	-2.94E-08	1.30E-07	7.23E-08	-5.77E-08
2027	494561.1	3859502	3.38E-07	1.83E-07	-1.55E-07	1.28E-07	7.14E-08	-5.69E-08	6.52E-08	3.63E-08	-2.90E-08	1.28E-07	7.14E-08	-5.69E-08
2028	494611.1	3859502	3.37E-07	1.82E-07	-1.55E-07	1.28E-07	7.12E-08	-5.68E-08	6.51E-08	3.62E-08	-2.89E-08	1.28E-07	7.12E-08	-5.68E-08
2029	494661.1	3859502	3.32E-07	1.80E-07	-1.52E-07	1.26E-07	7.00E-08	-5.59E-08	6.40E-08	3.56E-08	-2.84E-08	1.26E-07	7.00E-08	-5.59E-08
2030	494711.1	3859502	3.25E-07	1.76E-07	-1.49E-07	1.23E-07	6.87E-08	-5.47E-08	6.27E-08	3.49E-08	-2.78E-08	1.23E-07	6.87E-08	-5.47E-08
2031	494761.1	3859502	3.23E-07	1.75E-07	-1.48E-07	1.23E-07	6.83E-08	-5.44E-08	6.24E-08	3.47E-08	-2.77E-08	1.23E-07	6.83E-08	-5.44E-08
2032	494811.1	3859502	3.16E-07	1.71E-07	-1.45E-07	1.20E-07	6.67E-08	-5.31E-08	6.09E-08	3.39E-08	-2.70E-08	1.20E-07	6.67E-08	-5.31E-08
2033	494861.1	3859502	3.12E-07	1.69E-07	-1.43E-07	1.18E-07	6.60E-08	-5.24E-08	6.02E-08	3.36E-08	-2.67E-08	1.18E-07	6.60E-08	-5.24E-08
2034	494911.1	3859502	3.09E-07	1.68E-07	-1.42E-07	1.17E-07	6.55E-08	-5.19E-08	5.97E-08	3.33E-08	-2.64E-08	1.17E-07	6.55E-08	-5.19E-08
2035	494961.1	3859502	3.05E-07	1.66E-07	-1.40E-07	1.16E-07	6.46E-08	-5.12E-08	5.89E-08	3.28E-08	-2.61E-08	1.16E-07	6.46E-08	-5.12E-08
2036	495011.1	3859502	3.03E-07	1.64E-07	-1.39E-07	1.15E-07	6.41E-08	-5.09E-08	5.85E-08	3.26E-08	-2.59E-08	1.15E-07	6.41E-08	-5.09E-08
2037	495061.1	3859502	3.01E-07	1.63E-07	-1.38E-07	1.14E-07	6.36E-08	-5.05E-08	5.80E-08	3.24E-08	-2.57E-08	1.14E-07	6.36E-08	-5.05E-08
2038	495111.1	3859502	2.97E-07	1.61E-07	-1.36E-07	1.13E-07	6.28E-08	-4.98E-08	5.73E-08	3.19E-08	-2.53E-08	1.13E-07	6.28E-08	-4.98E-08
2039	495161.1	3859502	2.95E-07	1.60E-07	-1.35E-07	1.12E-07	6.24E-08	-4.93E-08	5.68E-08	3.17E-08	-2.51E-08	1.12E-07	6.24E-08	-4.93E-08
2040	495211.1	3859502	2.93E-07	1.59E-07	-1.34E-07	1.11E-07	6.21E-08	-4.91E-08	5.66E-08	3.16E-08	-2.50E-08	1.11E-07	6.21E-08	-4.91E-08
2041	495261.1	3859502	2.91E-07	1.58E-07	-1.33E-07	1.11E-07	6.17E-08	-4.88E-08	5.62E-08	3.14E-08	-2.48E-08	1.11E-07	6.17E-08	-4.88E-08
2042	495311.1	3859502	2.90E-07	1.57E-07	-1.32E-07	1.10E-07	6.13E-08	-4.85E-08	5.59E-08	3.12E-08	-2.47E-08	1.10E-07	6.13E-08	-4.85E-08
2043	495361.1	3859502	2.87E-07	1.56E-07	-1.31E-07	1.09E-07	6.08E-08	-4.80E-08	5.53E-08	3.09E-08	-2.44E-08	1.09E-07	6.08E-08	-4.80E-08
2044	495411.1	3859502	2.85E-07	1.55E-07	-1.30E-07	1.08E-07	6.04E-08	-4.77E-08	5.50E-08	3.07E-08	-2.43E-08	1.08E-07	6.04E-08	-4.77E-08
2045	495461.1	3859502	2.82E-07	1.54E-07	-1.29E-07	1.07E-07	5.99E-08	-4.72E-08	5.45E-08	3.05E-08	-2.40E-08	1.07E-07	5.99E-08	-4.72E-08
2046	495511.1	3859502	2.77E-07	1.51E-07	-1.27E-07	1.05E-07	5.88E-08	-4.64E-08	5.35E-08	2.99E-08	-2.36E-08	1.05E-07	5.88E-08	-4.64E-08
2047	495561.1	3859502	2.77E-07	1.50E-07	-1.26E-07	1.05E-07	5.86E-08	-4.63E-08	5.33E-08	2.98E-08	-2.35E-08	1.05E-07	5.86E-08	-4.63E-08
2048	495611.1	3859502	2.74E-07	1.49E-07	-1.25E-07	1.04E-07	5.81E-08	-4.58E-08	5.28E-08	2.96E-08	-2.33E-08	1.04E-07	5.81E-08	-4.58E-08
2049	495661.1	3859502	2.71E-07	1.48E-07	-1.24E-07	1.03E-07	5.75E-08	-4.53E-08	5.23E-08	2.93E-08	-2.30E-08	1.03E-07	5.75E-08	-4.53E-08
2050	494311.1	3859552	3.73E-07	2.01E-07	-1.71E-07	1.41E-07	7.86E-08	-6.29E-08	7.19E-08	4.00E-08	-3.20E-08	1.41E-07	7.86E-08	-6.29E-08
2051	494361.1	3859552	3.64E-07	1.97E-07	-1.68E-07	1.38E-07	7.67E-08	-6.15E-08	7.03E-08	3.90E-08	-3.13E-08	1.38E-07	7.67E-08	-6.15E-08
2052	494411.1	3859552	3.55E-07	1.92E-07	-1.63E-07	1.35E-07	7.48E-08	-5.98E-08	6.85E-08	3.81E-08	-3.04E-08	1.35E-07	7.48E-08	-5.98E-08
2053	494461.1	3859552	3.56E-07	1.92E-07	-1.63E-07	1.35E-07	7.50E-08	-6.00E-08	6.86E-08	3.81E-08	-3.05E-08	1.35E-07	7.50E-08	-6.00E-08
2054	494511.1	3859552	3.50E-07	1.90E-07	-1.61E-07	1.33E-07	7.39E-08	-5.90E-08	6.76E-08	3.76E-08	-3.00E-08	1.33E-07	7.39E-08	-5.90E-08
2055	494561.1	3859552	3.46E-07	1.87E-07	-1.59E-07	1.31E-07	7.30E-08	-5.83E-08	6.67E-08	3.71E-08	-2.96E-08	1.31E-07	7.30E-08	-5.83E-08
2056	494611.1	3859552	3.43E-07	1.86E-07	-1.57E-07	1.30E-07	7.24E-08	-5.78E-08	6.62E-08	3.68E-08	-2.94E-08	1.30E-07	7.24E-08	-5.78E-08
2057	494661.1	3859552	3.40E-07	1.84E-07	-1.56E-07	1.29E-07	7.17E-08	-5.72E-08	6.55E-08	3.64E-08	-2.91E-08	1.29E-07	7.17E-08	-5.72E-08
2058	494711.1	3859552	3.30E-07	1.79E-07	-1.51E-07	1.25E-07	6.97E-08	-5.55E-08	6.37E-08	3.54E-08	-2.82E-08	1.25E-07	6.97E-08	-5.55E-08
2059	494761.1	3859552	3.31E-07	1.79E-07	-1.52E-07	1.26E-07	6.99E-08	-5.57E-08	6.39E-08	3.55E-08	-2.83E-08	1.26E-07	6.99E-08	-5.57E-08
2060	494811.1	3859552	3.24E-07	1.76E-07	-1.49E-07	1.23E-07	6.85E-08	-5.45E-08	6.26E-08	3.48E-08	-2.77E-08	1.23E-07	6.85E-08	-5.45E-08
2061	494861.1	3859552	3.21E-07	1.74E-07	-1.47E-07	1.22E-07	6.77E-08	-5.39E-08	6.19E-08	3.44E-08	-2.74E-08	1.22E-07	6.77E-08	-5.39E-08
2062	494911.1	3859552	3.17E-07	1.72E-07	-1.45E-07	1.20E-07	6.69E-08	-5.32E-08	6.11E-08	3.40E-08	-2.71E-08	1.20E-07	6.69E-08	-5.32E-08
2063	494961.1	3859552	3.14E-07	1.70E-07	-1.44E-07	1.19E-07	6.64E-08	-5.28E-08	6.06E-08	3.38E-08	-2.69E-08	1.19E-07	6.64E-08	-5.28E-08
2064	495011.1	3859552	3.12E-07	1.69E-07	-1.43E-07	1.18E-07	6.60E-08	-5.24E-08	6.02E-08	3.36E-08	-2.67E-08	1.18E-07	6.60E-08	-5.24E-08
2065	495061.1	3859552	3.09E-07	1.67E-07	-1.41E-07	1.17E-07	6.53E-08	-5.19E-08	5.96E-08	3.32E-08	-2.64E-08	1.17E-07	6.53E-08	-5.19E-08
2066	495111.1	3859552	3.05E-07	1.66E-07	-1.40E-07	1.16E-07	6.46E-08	-5.12E-08	5.89E-08	3.28E-08	-2.61E-08	1.16E-07	6.46E-08	-5.12E-08

2067	495161.1	3859552	3.03E-07	1.65E-07	-1.39E-07	1.15E-07	6.42E-08	-5.08E-08	5.85E-08	3.26E-08	-2.58E-08	1.15E-07	6.42E-08	-5.08E-08
2068	495211.1	3859552	3.02E-07	1.64E-07	-1.38E-07	1.14E-07	6.39E-08	-5.06E-08	5.82E-08	3.25E-08	-2.57E-08	1.14E-07	6.39E-08	-5.06E-08
2069	495261.1	3859552	2.99E-07	1.62E-07	-1.37E-07	1.13E-07	6.32E-08	-5.01E-08	5.76E-08	3.21E-08	-2.55E-08	1.13E-07	6.32E-08	-5.01E-08
2070	495311.1	3859552	2.96E-07	1.61E-07	-1.36E-07	1.12E-07	6.27E-08	-4.97E-08	5.72E-08	3.19E-08	-2.53E-08	1.12E-07	6.27E-08	-4.97E-08
2071	495361.1	3859552	2.94E-07	1.60E-07	-1.34E-07	1.12E-07	6.23E-08	-4.93E-08	5.67E-08	3.17E-08	-2.51E-08	1.12E-07	6.23E-08	-4.93E-08
2072	495411.1	3859552	2.92E-07	1.59E-07	-1.34E-07	1.11E-07	6.19E-08	-4.90E-08	5.64E-08	3.15E-08	-2.49E-08	1.11E-07	6.19E-08	-4.90E-08
2073	495461.1	3859552	2.89E-07	1.57E-07	-1.32E-07	1.10E-07	6.11E-08	-4.84E-08	5.57E-08	3.11E-08	-2.46E-08	1.10E-07	6.11E-08	-4.84E-08
2074	495511.1	3859552	2.85E-07	1.55E-07	-1.30E-07	1.08E-07	6.04E-08	-4.77E-08	5.50E-08	3.07E-08	-2.43E-08	1.08E-07	6.04E-08	-4.77E-08
2075	495561.1	3859552	2.83E-07	1.54E-07	-1.29E-07	1.07E-07	5.99E-08	-4.74E-08	5.46E-08	3.05E-08	-2.41E-08	1.07E-07	5.99E-08	-4.74E-08
2076	495611.1	3859552	2.80E-07	1.52E-07	-1.28E-07	1.06E-07	5.94E-08	-4.69E-08	5.40E-08	3.02E-08	-2.38E-08	1.06E-07	5.94E-08	-4.69E-08
2077	495661.1	3859552	2.77E-07	1.51E-07	-1.27E-07	1.05E-07	5.88E-08	-4.64E-08	5.35E-08	2.99E-08	-2.36E-08	1.05E-07	5.88E-08	-4.64E-08
2078	494311.1	3859602	3.82E-07	2.06E-07	-1.76E-07	1.45E-07	8.04E-08	-6.44E-08	7.37E-08	4.09E-08	-3.28E-08	1.45E-07	8.04E-08	-6.44E-08
2079	494361.1	3859602	3.70E-07	2.00E-07	-1.70E-07	1.40E-07	7.80E-08	-6.24E-08	7.14E-08	3.97E-08	-3.18E-08	1.40E-07	7.80E-08	-6.24E-08
2080	494411.1	3859602	3.64E-07	1.97E-07	-1.67E-07	1.38E-07	7.67E-08	-6.13E-08	7.02E-08	3.90E-08	-3.12E-08	1.38E-07	7.67E-08	-6.13E-08
2081	494461.1	3859602	3.63E-07	1.97E-07	-1.67E-07	1.38E-07	7.66E-08	-6.12E-08	7.01E-08	3.90E-08	-3.11E-08	1.38E-07	7.66E-08	-6.12E-08
2082	494511.1	3859602	3.56E-07	1.93E-07	-1.64E-07	1.35E-07	7.51E-08	-6.00E-08	6.87E-08	3.82E-08	-3.05E-08	1.35E-07	7.51E-08	-6.00E-08
2083	494561.1	3859602	3.55E-07	1.92E-07	-1.63E-07	1.35E-07	7.48E-08	-5.98E-08	6.85E-08	3.81E-08	-3.04E-08	1.35E-07	7.48E-08	-5.98E-08
2084	494611.1	3859602	3.53E-07	1.91E-07	-1.62E-07	1.34E-07	7.43E-08	-5.94E-08	6.80E-08	3.78E-08	-3.02E-08	1.34E-07	7.43E-08	-5.94E-08
2085	494661.1	3859602	3.44E-07	1.86E-07	-1.58E-07	1.31E-07	7.26E-08	-5.80E-08	6.64E-08	3.69E-08	-2.95E-08	1.31E-07	7.26E-08	-5.80E-08
2086	494711.1	3859602	3.38E-07	1.83E-07	-1.55E-07	1.28E-07	7.13E-08	-5.68E-08	6.52E-08	3.63E-08	-2.89E-08	1.28E-07	7.13E-08	-5.68E-08
2087	494761.1	3859602	3.40E-07	1.84E-07	-1.56E-07	1.29E-07	7.18E-08	-5.72E-08	6.56E-08	3.65E-08	-2.91E-08	1.29E-07	7.18E-08	-5.72E-08
2088	494811.1	3859602	3.33E-07	1.80E-07	-1.53E-07	1.26E-07	7.03E-08	-5.60E-08	6.42E-08	3.57E-08	-2.85E-08	1.26E-07	7.03E-08	-5.60E-08
2089	494861.1	3859602	3.30E-07	1.78E-07	-1.51E-07	1.25E-07	6.96E-08	-5.55E-08	6.36E-08	3.54E-08	-2.82E-08	1.25E-07	6.96E-08	-5.55E-08
2090	494911.1	3859602	3.24E-07	1.76E-07	-1.49E-07	1.23E-07	6.85E-08	-5.45E-08	6.26E-08	3.48E-08	-2.77E-08	1.23E-07	6.85E-08	-5.45E-08
2091	494961.1	3859602	3.24E-07	1.75E-07	-1.48E-07	1.23E-07	6.84E-08	-5.44E-08	6.25E-08	3.48E-08	-2.77E-08	1.23E-07	6.84E-08	-5.44E-08
2092	495011.1	3859602	3.18E-07	1.73E-07	-1.46E-07	1.21E-07	6.73E-08	-5.35E-08	6.14E-08	3.42E-08	-2.72E-08	1.21E-07	6.73E-08	-5.35E-08
2093	495061.1	3859602	3.17E-07	1.72E-07	-1.45E-07	1.20E-07	6.70E-08	-5.33E-08	6.12E-08	3.41E-08	-2.71E-08	1.20E-07	6.70E-08	-5.33E-08
2094	495111.1	3859602	3.13E-07	1.70E-07	-1.43E-07	1.19E-07	6.62E-08	-5.26E-08	6.04E-08	3.37E-08	-2.67E-08	1.19E-07	6.62E-08	-5.26E-08
2095	495161.1	3859602	3.11E-07	1.69E-07	-1.42E-07	1.18E-07	6.58E-08	-5.23E-08	6.00E-08	3.35E-08	-2.66E-08	1.18E-07	6.58E-08	-5.23E-08
2096	495211.1	3859602	3.08E-07	1.67E-07	-1.41E-07	1.17E-07	6.53E-08	-5.18E-08	5.95E-08	3.32E-08	-2.63E-08	1.17E-07	6.53E-08	-5.18E-08
2097	495261.1	3859602	3.07E-07	1.66E-07	-1.40E-07	1.16E-07	6.48E-08	-5.15E-08	5.92E-08	3.30E-08	-2.62E-08	1.16E-07	6.48E-08	-5.15E-08
2098	495311.1	3859602	3.05E-07	1.65E-07	-1.40E-07	1.16E-07	6.45E-08	-5.12E-08	5.88E-08	3.28E-08	-2.60E-08	1.16E-07	6.45E-08	-5.12E-08
2099	495361.1	3859602	3.02E-07	1.64E-07	-1.38E-07	1.15E-07	6.39E-08	-5.07E-08	5.83E-08	3.25E-08	-2.58E-08	1.15E-07	6.39E-08	-5.07E-08
2100	495411.1	3859602	3.00E-07	1.63E-07	-1.37E-07	1.14E-07	6.35E-08	-5.04E-08	5.80E-08	3.23E-08	-2.56E-08	1.14E-07	6.35E-08	-5.04E-08
2101	495461.1	3859602	2.96E-07	1.61E-07	-1.35E-07	1.12E-07	6.26E-08	-4.96E-08	5.71E-08	3.18E-08	-2.52E-08	1.12E-07	6.26E-08	-4.96E-08
2102	495511.1	3859602	2.91E-07	1.58E-07	-1.33E-07	1.11E-07	6.17E-08	-4.88E-08	5.62E-08	3.14E-08	-2.48E-08	1.11E-07	6.17E-08	-4.88E-08
2103	495561.1	3859602	2.90E-07	1.58E-07	-1.33E-07	1.10E-07	6.15E-08	-4.87E-08	5.60E-08	3.13E-08	-2.48E-08	1.10E-07	6.15E-08	-4.87E-08
2104	495611.1	3859602	2.86E-07	1.55E-07	-1.31E-07	1.08E-07	6.06E-08	-4.79E-08	5.52E-08	3.08E-08	-2.43E-08	1.08E-07	6.06E-08	-4.79E-08
2105	495661.1	3859602	2.84E-07	1.54E-07	-1.30E-07	1.08E-07	6.02E-08	-4.76E-08	5.48E-08	3.06E-08	-2.42E-08	1.08E-07	6.02E-08	-4.76E-08
2106	494311.1	3859652	3.88E-07	2.10E-07	-1.78E-07	1.47E-07	8.18E-08	-6.55E-08	7.49E-08	4.16E-08	-3.33E-08	1.47E-07	8.18E-08	-6.55E-08
2107	494361.1	3859652	3.77E-07	2.04E-07	-1.73E-07	1.43E-07	7.95E-08	-6.35E-08	7.27E-08	4.04E-08	-3.23E-08	1.43E-07	7.95E-08	-6.35E-08
2108	494411.1	3859652	3.72E-07	2.01E-07	-1.71E-07	1.41E-07	7.85E-08	-6.28E-08	7.19E-08	3.99E-08	-3.19E-08	1.41E-07	7.85E-08	-6.28E-08
2109	494461.1	3859652	3.72E-07	2.01E-07	-1.71E-07	1.41E-07	7.84E-08	-6.27E-08	7.18E-08	3.99E-08	-3.19E-08	1.41E-07	7.84E-08	-6.27E-08
2110	494511.1	3859652	3.67E-07	1.98E-07	-1.69E-07	1.39E-07	7.74E-08	-6.19E-08	7.08E-08	3.93E-08	-3.15E-08	1.39E-07	7.74E-08	-6.19E-08
2111	494561.1	3859652	3.64E-07	1.97E-07	-1.67E-07	1.38E-07	7.67E-08	-6.13E-08	7.02E-08	3.90E-08	-3.12E-08	1.38E-07	7.67E-08	-6.13E-08
2112	494611.1	3859652	3.60E-07	1.95E-07	-1.65E-07	1.37E-07	7.60E-08	-6.07E-08	6.95E-08	3.86E-08	-3.09E-08	1.37E-07	7.60E-08	-6.07E-08
2113	494661.1	3859652	3.50E-07	1.90E-07	-1.61E-07	1.33E-07	7.39E-08	-5.90E-08	6.76E-08	3.76E-08	-3.00E-08	1.33E-07	7.39E-08	-5.90E-08
2114	494711.1	3859652	3.47E-07	1.88E-07	-1.59E-07	1.32E-07	7.33E-08	-5.84E-08	6.70E-08	3.73E-08	-2.97E-08	1.32E-07	7.33E-08	-5.84E-08
2115	494761.1	3859652	3.46E-07	1.87E-07	-1.59E-07	1.31E-07	7.31E-08	-5.83E-08	6.68E-08	3.72E-08	-2.96E-08	1.31E-07	7.31E-08	-5.83E-08
2116	494811.1	3859652	3.41E-07	1.85E-07	-1.57E-07	1.30E-07	7.20E-08	-5.75E-08	6.59E-08	3.66E-08	-2.92E-08	1.30E-07	7.20E-08	-5.75E-08
2117	494861.1	3859652	3.38E-07	1.83E-07	-1.55E-07	1.28E-07	7.14E-08	-5.69E-08	6.52E-08	3.63E-08	-2.89E-08	1.28E-07	7.14E-08	-5.69E-08
2118	494911.1	3859652	3.35E-07	1.81E-07	-1.54E-07	1.27E-07	7.06E-08	-5.63E-08	6.46E-08	3.59E-08	-2.87E-08	1.27E-07	7.06E-08	-5.63E-08
2119	494961.1	3859652	3.31E-07	1.79E-07	-1.52E-07	1.26E-07	7.00E-08	-5.58E-08	6.39E-08	3.56E-08	-2.84E-08	1.26E-07	7.00E-08	-5.58E-08
2120	495011.1	3859652	3.28E-07	1.78E-07	-1.50E-07	1.24E-07	6.93E-08	-5.51E-08	6.33E-08	3.52E-08	-2.80E-08	1.24E-07	6.93E-08	-5.51E-08
2121	495061.1	3859652	3.26E-07	1.76E-07	-1.49E-07	1.24E-07	6.88E-08	-5.47E-08	6.28E-08	3.50E-08	-2.78E-08	1.24E-07	6.88E-08	-5.47E-08
2122	495111.1	3859652	3.22E-07	1.74E-07	-1.48E-07	1.22E-07	6.80E-08	-5.42E-08	6.21E-08	3.46E-08	-2.75E-08	1.22E-07	6.80E-08	-5.42E-08
2123	495161.1	3859652	3.19E-07	1.73E-07	-1.46E-07	1.21E-07	6.75E-08	-5.37E-08	6.16E-08	3.43E-08	-2.73E-08	1.21E-07	6.75E-08	-5.37E-08
2124	495211.1	3859652	3.17E-07	1.72E-07	-1.45E-07	1.20E-07	6.70E-08	-5.33E-08	6.12E-08	3.41E-08	-2.71E-08	1.20E-07	6.70E-08	-5.33E-08
2125	495261.1	3859652	3.14E-07	1.70E-07	-1.44E-07	1.19E-07	6.64E-08	-5.28E-08	6.06E-08	3.38E-08	-2.69E-08	1.19E-07	6.64E-08	-5.28E-08
2126	495311.1	3859652	3.12E-07	1.69E-07	-1.43E-07	1.18E-07	6.59E-08	-5.25E-08	6.02E-08	3.35E-08	-2.67E-08	1.18E-07	6.59E-08	-5.25E-08
2127	495361.1	3859652	3.10E-07	1.68E-07	-1.42E-07	1.18E-07	6.55E-08	-5.20E-08	5.98E-08	3.33E-08	-2.65E-08	1.18E-07	6.55E-08	-5.20E-08
2128	495411.1	3859652	3.07E-07	1.66E-07	-1.41E-07	1.17E-07	6.49E-08	-5.16E-08	5.93E-08	3.30E-08	-2.62E-08	1.17E-07	6.49E-08	-5.16E-08
2129	495461.1	3859652	3.03E-07	1.64E-07	-1.38E-07	1.15E-07	6.40E-08	-5.08E-08	5.84E-08	3.26E-08	-2.58E-08	1.15E-07	6.40E-08	-5.08E-08
2130	495511.1	3859652	2.99E-07	1.62E-07	-1.37E-07	1.13E-07	6.33E-08	-5.01E-08	5.77E-08	3.22E-08	-2.55E-08	1.13E-07	6.33E-08	-5.01E-08
2131	495561.1	3859652	2.97E-07	1.61E-07	-1.36E-07	1.13E-07	6.28E-08	-4.98E-08	5.73E-08	3.19E-08	-2.53E-08	1.13E-07	6.28E-08	-4.98E-08
2132	495611.1	3859652	2.94E-07	1.60E-07	-1.34E-07	1.12E-07	6.23E-08	-4.93E-08	5.67E-08	3.17E-08	-2.51E-08	1.12E-07	6.23E-08	-4.93E-08
2133	495661.1	3859652	2.91E-07	1.58E-07	-1.33E-07	1.10E-07	6.16E-08	-4.87E-08	5.61E-08	3.13E-08	-2.48E-08	1.10E-07	6.16E-08	-4.87E-08
2134	494311.1	3859702	3.87E-07	2.09E-07	-1.78E-07	1.47E-07	8.16E-08	-6.53E-08	7.47E-08	4.15E-08	-3.32E-08	1.47E-07	8.16E-08	-6.53E-08
2135	494361.1	3859702	3.83E-07	2.07E-07	-1.76E-07	1.45E-07	8.07E-08	-6.45E-08	7.38E-08	4.10E-08	-3.28E-08	1.45E-07	8.07E-08	-6.45E-08
2136	494411.1	3859702	3.80E-07	2.05E-07	-1.74E-07	1.44E-07	8.01E-08	-6.40E-08	7.32E-08	4.07E-08	-3.25E-08	1.44E-07	8.01E-08	-6.40E-08
2137	494461.1	3859702	3.81E-07	2.06E-07	-1.75E-07	1.44E-07	8.02E-08	-6.42E-08	7.34E-08	4.08E-08	-3.26E-08	1.44E-07	8.02E-08	-6.42E-08
2138	494511.1	3859702	3.76E-07	2.03E-07	-1.73E-07	1.43E-07	7.93E-08	-6.34E-08	7.25E-08	4.03E-08	-3.22E-08	1.43E-07	7.93E-08	-6.34E-08
2139	494561.1	3859702	3.73E-07	2.02E-07	-1.71E-07	1.41E-07	7.86E-08	-6.28E-08	7.19E-08	4.00E-08	-3.20E-08	1.41E-07	7.86E-08	-6.28E-08
2140	494611.1	3859702	3.70E-07	2.00E-07	-1.70E-07	1.40E-07	7.79E-08	-6.23E-08	7.13E-08	3.96E-08	-3.17E-08	1.40E-07	7.79E-08	-6.23E-08
2141	494661.1	3859702	3.59E-07	1.94E-07	-1.65E-07	1.36E-07	7.58E-08	-6.05E-08	6.93E-08	3.86E-08	-3.08E-08	1.36E-07	7.58E-08	-6.05E-08
2142	494711.1	3859702	3.58E-07	1.94E-07	-1.64E-07	1.36E-07	7.55E-08	-6.03E-08	6.91E-08	3.84E-08	-3.07E-08	1.36E-07	7.55E-08	-6.03E-08
2143	494761.1	3859702	3.53E-07	1.91E-07	-1.62E-07	1.34E-07	7.45E-08	-5.95E-08	6.81E-08	3.79E-08	-3.02E-08	1.34E-07	7.45E-08	-5.95E-08
2144	494811.1	3859702	3.49E-07	1.89E-07	-1.60E-07	1.32E-07	7.35E-08	-5.87E-08	6.72E-08	3.74E-08	-2.99E-08	1.32E-07	7.35E-08	-5.87E-08
2145	494861.1	3859702	3.47E-07	1.88E-07	-1.59E-07	1.32E-07	7.33E-08	-5.84E-08	6.70E-08	3.73E-08	-2.97E-08	1.32E-07	7.33E-08	-5.84E-08
2146	494911.1	3859702	3.44E-07	1.86E-07	-1.58E-07	1.30E-07	7.25E-08	-5.79E-08	6.63E-08	3.69E-08	-2.94E-08	1.30E-07	7.25E-08	-5.79E-08
2147	494961.1	3859702	3.40E-07	1.84E-07	-1.56E-07	1.29E-07	7.17E-08	-5.72E-08	6.55E-08	3.64E-08	-2.91E-08	1.29E-07	7.17E-08	-5.72E-08
2148	495011.1	3859702	3.37E-07	1.83E-07	-1.55E-07	1.28E-07	7.12E-08	-5.67E-08	6.51E-08	3.62E-08	-2.89E-08	1.28E-07	7.12E-08	-5.67E-08
2149	495061.1	3859702	3.34E-07	1.81E-07	-1.53E-07	1.27E-07	7.06E-08	-5.62E-08	6.45E-08	3.59E-08	-2.86E-08	1.27E-07	7.06E-08	-5.62E-08
2150	495111.1	3859702	3.31E-07	1.79E-07	-1.52E-07	1.26E-07	6.99E-08	-5.57E-08	6.39E-08	3.55E-08	-2.83E-08	1.26E-07	6.99E-08	-5.57E-08
2151	495161.1	3859702	3.27E-07	1.77E-07	-1.50E-07	1.24E-07	6.92E-08	-5.50E-08	6.32E-08	3.52E-08	-2.80E-08	1.24E-07	6.92E-08	-5.50E-08
2152	495211.1	3859702	3.24E-07	1.75E-07	-1.48E-07	1.23E-07	6.84E-08	-5.44E-08	6.25E-08	3.48E-08	-2.77E-08	1.23E-07	6.84E-08	-5.44E-08
2153	495261.1	3859702	3.22E-07	1.75E-07	-1.48E-07	1.22E-07	6.81E-08	-5.42E-08	6.22E-08	3.47E-08	-2.76E-08	1.22E-07	6.81E-08	-5.42E-08
2154	495311.1	3859702	3.19E-07	1.73E-07	-1.46E-07	1.21E-07	6.75E-08	-5.37E-08	6.16E-08	3.43E-08	-2.73E-08	1.21E-07	6.75E-08	-5.37E-08
2155	495361.1	3859702	3.17E-07	1.72E-07	-1.45E-07	1.20E-07	6.69E-08	-5.32E-08	6.11E-08	3.40E-08	-2.71E-08	1.20E-07	6.69E-08	-5.32E-08
2156	495411.1	3859702	3.13E-07	1.69E-07	-1.43E-07	1.19E-07	6.61E-08	-5.25E-08	6.03E-08	3.36E-08	-2.67E-08	1.19E-07	6.61E-08	-5.25E-08
2157	495461.1	3859702	3.09E-07	1.68E-07	-1.42E-07	1.17E-07	6.54E-08	-5.20E-08	5.97E-08	3.33E-08	-2.64E-08	1.17E-07	6.54E-08	-5.20E-08
2158	495511.1	3859702	3.04E-07	1.65E-07	-1.39E-07	1.15E-07	6.44E-08	-5.11E-08	5.87E-08	3.28E-08	-2.60E-08	1.15E-07	6.44E-08	-5.11E-08
2159	495561.1	3859702	3.04E-07	1.65E-07	-1.39E-07	1.15E-07	6.43E-08	-5.10E-08	5.86E-08	3.27E-08	-2.59E-08	1.15E-07	6.43E-08	-5.10E-08
2160	495611.1	3859702	3.01E-07	1.63E-07	-1.38E-07	1.14E-07	6.37E-08	-5.06E-08	5.81E-08	3.24E-08	-2.57E-08	1.14E-07	6.37E-08	-5.06E-08

2161	495661.1	3859702	2.98E-07	1.62E-07	-1.36E-07	1.13E-07	6.31E-08	-5.00E-08	5.75E-08	3.21E-08	-2.54E-08	1.13E-07	6.31E-08	-5.00E-08
2162	494311.1	3859752	3.99E-07	2.16E-07	-1.83E-07	1.51E-07	8.41E-08	-6.73E-08	7.70E-08	4.28E-08	-3.42E-08	1.51E-07	8.41E-08	-6.73E-08
2163	494361.1	3859752	3.94E-07	2.13E-07	-1.81E-07	1.49E-07	8.31E-08	-6.64E-08	7.60E-08	4.23E-08	-3.38E-08	1.49E-07	8.31E-08	-6.64E-08
2164	494411.1	3859752	3.88E-07	2.10E-07	-1.78E-07	1.47E-07	8.19E-08	-6.54E-08	7.49E-08	4.16E-08	-3.33E-08	1.47E-07	8.19E-08	-6.54E-08
2165	494461.1	3859752	3.88E-07	2.10E-07	-1.78E-07	1.47E-07	8.18E-08	-6.54E-08	7.49E-08	4.16E-08	-3.33E-08	1.47E-07	8.18E-08	-6.54E-08
2166	494511.1	3859752	3.86E-07	2.09E-07	-1.78E-07	1.47E-07	8.15E-08	-6.51E-08	7.45E-08	4.14E-08	-3.31E-08	1.47E-07	8.15E-08	-6.51E-08
2167	494561.1	3859752	3.82E-07	2.06E-07	-1.75E-07	1.45E-07	8.05E-08	-6.43E-08	7.37E-08	4.10E-08	-3.27E-08	1.45E-07	8.05E-08	-6.43E-08
2168	494611.1	3859752	3.76E-07	2.04E-07	-1.73E-07	1.43E-07	7.94E-08	-6.34E-08	7.26E-08	4.04E-08	-3.23E-08	1.43E-07	7.94E-08	-6.34E-08
2169	494661.1	3859752	3.67E-07	1.99E-07	-1.69E-07	1.39E-07	7.75E-08	-6.19E-08	7.09E-08	3.94E-08	-3.15E-08	1.39E-07	7.75E-08	-6.19E-08
2170	494711.1	3859752	3.67E-07	1.98E-07	-1.69E-07	1.39E-07	7.74E-08	-6.18E-08	7.08E-08	3.94E-08	-3.14E-08	1.39E-07	7.74E-08	-6.18E-08
2171	494761.1	3859752	3.64E-07	1.97E-07	-1.67E-07	1.38E-07	7.68E-08	-6.14E-08	7.03E-08	3.91E-08	-3.12E-08	1.38E-07	7.68E-08	-6.14E-08
2172	494811.1	3859752	3.60E-07	1.95E-07	-1.65E-07	1.37E-07	7.59E-08	-6.06E-08	6.94E-08	3.86E-08	-3.08E-08	1.37E-07	7.59E-08	-6.06E-08
2173	494861.1	3859752	3.56E-07	1.93E-07	-1.64E-07	1.35E-07	7.52E-08	-6.00E-08	6.87E-08	3.82E-08	-3.05E-08	1.35E-07	7.52E-08	-6.00E-08
2174	494911.1	3859752	3.53E-07	1.91E-07	-1.62E-07	1.34E-07	7.45E-08	-5.95E-08	6.81E-08	3.79E-08	-3.02E-08	1.34E-07	7.45E-08	-5.95E-08
2175	494961.1	3859752	3.50E-07	1.89E-07	-1.61E-07	1.33E-07	7.38E-08	-5.89E-08	6.75E-08	3.75E-08	-3.00E-08	1.33E-07	7.38E-08	-5.89E-08
2176	495011.1	3859752	3.46E-07	1.87E-07	-1.59E-07	1.31E-07	7.31E-08	-5.83E-08	6.68E-08	3.72E-08	-2.96E-08	1.31E-07	7.31E-08	-5.83E-08
2177	495061.1	3859752	3.44E-07	1.86E-07	-1.58E-07	1.31E-07	7.26E-08	-5.80E-08	6.64E-08	3.69E-08	-2.95E-08	1.31E-07	7.26E-08	-5.80E-08
2178	495111.1	3859752	3.40E-07	1.84E-07	-1.56E-07	1.29E-07	7.18E-08	-5.73E-08	6.57E-08	3.65E-08	-2.91E-08	1.29E-07	7.18E-08	-5.73E-08
2179	495161.1	3859752	3.37E-07	1.82E-07	-1.54E-07	1.28E-07	7.11E-08	-5.67E-08	6.50E-08	3.62E-08	-2.88E-08	1.28E-07	7.11E-08	-5.67E-08
2180	495211.1	3859752	3.33E-07	1.80E-07	-1.53E-07	1.26E-07	7.04E-08	-5.61E-08	6.43E-08	3.58E-08	-2.85E-08	1.26E-07	7.04E-08	-5.61E-08
2181	495261.1	3859752	3.31E-07	1.79E-07	-1.52E-07	1.25E-07	6.98E-08	-5.56E-08	6.38E-08	3.55E-08	-2.83E-08	1.25E-07	6.98E-08	-5.56E-08
2182	495311.1	3859752	3.27E-07	1.77E-07	-1.50E-07	1.24E-07	6.92E-08	-5.50E-08	6.32E-08	3.52E-08	-2.80E-08	1.24E-07	6.92E-08	-5.50E-08
2183	495361.1	3859752	3.24E-07	1.76E-07	-1.49E-07	1.23E-07	6.85E-08	-5.45E-08	6.26E-08	3.49E-08	-2.77E-08	1.23E-07	6.85E-08	-5.45E-08
2184	495411.1	3859752	3.22E-07	1.74E-07	-1.47E-07	1.22E-07	6.79E-08	-5.41E-08	6.20E-08	3.45E-08	-2.75E-08	1.22E-07	6.79E-08	-5.41E-08
2185	495461.1	3859752	3.17E-07	1.72E-07	-1.45E-07	1.20E-07	6.71E-08	-5.34E-08	6.13E-08	3.41E-08	-2.71E-08	1.20E-07	6.71E-08	-5.34E-08
2186	495511.1	3859752	3.13E-07	1.70E-07	-1.44E-07	1.19E-07	6.62E-08	-5.27E-08	6.05E-08	3.37E-08	-2.68E-08	1.19E-07	6.62E-08	-5.27E-08
2187	495561.1	3859752	3.11E-07	1.68E-07	-1.42E-07	1.18E-07	6.57E-08	-5.22E-08	5.99E-08	3.34E-08	-2.65E-08	1.18E-07	6.57E-08	-5.22E-08
2188	495611.1	3859752	3.08E-07	1.67E-07	-1.41E-07	1.17E-07	6.51E-08	-5.17E-08	5.94E-08	3.31E-08	-2.63E-08	1.17E-07	6.51E-08	-5.17E-08
2189	495661.1	3859752	3.06E-07	1.66E-07	-1.40E-07	1.16E-07	6.47E-08	-5.13E-08	5.90E-08	3.29E-08	-2.61E-08	1.16E-07	6.47E-08	-5.13E-08
2190	494311.1	3859802	4.11E-07	2.22E-07	-1.89E-07	1.56E-07	8.66E-08	-6.92E-08	7.92E-08	4.40E-08	-3.52E-08	1.56E-07	8.66E-08	-6.92E-08
2191	494361.1	3859802	4.04E-07	2.18E-07	-1.85E-07	1.53E-07	8.51E-08	-6.80E-08	7.78E-08	4.33E-08	-3.46E-08	1.53E-07	8.51E-08	-6.80E-08
2192	494411.1	3859802	3.96E-07	2.14E-07	-1.82E-07	1.50E-07	8.36E-08	-6.67E-08	7.65E-08	4.25E-08	-3.39E-08	1.50E-07	8.36E-08	-6.67E-08
2193	494461.1	3859802	3.96E-07	2.14E-07	-1.82E-07	1.50E-07	8.35E-08	-6.67E-08	7.64E-08	4.24E-08	-3.39E-08	1.50E-07	8.35E-08	-6.67E-08
2194	494511.1	3859802	3.96E-07	2.14E-07	-1.82E-07	1.50E-07	8.35E-08	-6.67E-08	7.64E-08	4.24E-08	-3.39E-08	1.50E-07	8.35E-08	-6.67E-08
2195	494561.1	3859802	3.92E-07	2.12E-07	-1.80E-07	1.49E-07	8.26E-08	-6.60E-08	7.56E-08	4.20E-08	-3.36E-08	1.49E-07	8.26E-08	-6.60E-08
2196	494611.1	3859802	3.84E-07	2.07E-07	-1.76E-07	1.46E-07	8.09E-08	-6.46E-08	7.40E-08	4.12E-08	-3.29E-08	1.46E-07	8.09E-08	-6.46E-08
2197	494661.1	3859802	3.79E-07	2.05E-07	-1.74E-07	1.44E-07	8.00E-08	-6.39E-08	7.32E-08	4.07E-08	-3.25E-08	1.44E-07	8.00E-08	-6.39E-08
2198	494711.1	3859802	3.74E-07	2.02E-07	-1.72E-07	1.42E-07	7.88E-08	-6.30E-08	7.21E-08	4.01E-08	-3.20E-08	1.42E-07	7.88E-08	-6.30E-08
2199	494761.1	3859802	3.73E-07	2.02E-07	-1.71E-07	1.42E-07	7.88E-08	-6.29E-08	7.20E-08	4.01E-08	-3.20E-08	1.42E-07	7.88E-08	-6.29E-08
2200	494811.1	3859802	3.69E-07	2.00E-07	-1.70E-07	1.40E-07	7.79E-08	-6.22E-08	7.12E-08	3.96E-08	-3.17E-08	1.40E-07	7.79E-08	-6.22E-08
2201	494861.1	3859802	3.66E-07	1.98E-07	-1.68E-07	1.39E-07	7.72E-08	-6.17E-08	7.06E-08	3.93E-08	-3.14E-08	1.39E-07	7.72E-08	-6.17E-08
2202	494911.1	3859802	3.62E-07	1.96E-07	-1.66E-07	1.37E-07	7.63E-08	-6.09E-08	6.98E-08	3.88E-08	-3.10E-08	1.37E-07	7.63E-08	-6.09E-08
2203	494961.1	3859802	3.58E-07	1.94E-07	-1.64E-07	1.36E-07	7.55E-08	-6.03E-08	6.91E-08	3.84E-08	-3.07E-08	1.36E-07	7.55E-08	-6.03E-08
2204	495011.1	3859802	3.55E-07	1.92E-07	-1.63E-07	1.35E-07	7.49E-08	-5.98E-08	6.85E-08	3.81E-08	-3.04E-08	1.35E-07	7.49E-08	-5.98E-08
2205	495061.1	3859802	3.52E-07	1.90E-07	-1.61E-07	1.33E-07	7.42E-08	-5.92E-08	6.79E-08	3.78E-08	-3.01E-08	1.33E-07	7.42E-08	-5.92E-08
2206	495111.1	3859802	3.48E-07	1.88E-07	-1.60E-07	1.32E-07	7.34E-08	-5.86E-08	6.72E-08	3.73E-08	-2.98E-08	1.32E-07	7.34E-08	-5.86E-08
2207	495161.1	3859802	3.44E-07	1.86E-07	-1.58E-07	1.31E-07	7.26E-08	-5.79E-08	6.64E-08	3.69E-08	-2.95E-08	1.31E-07	7.26E-08	-5.79E-08
2208	495211.1	3859802	3.41E-07	1.85E-07	-1.57E-07	1.30E-07	7.21E-08	-5.74E-08	6.59E-08	3.67E-08	-2.92E-08	1.30E-07	7.21E-08	-5.74E-08
2209	495261.1	3859802	3.38E-07	1.83E-07	-1.55E-07	1.28E-07	7.13E-08	-5.68E-08	6.52E-08	3.63E-08	-2.89E-08	1.28E-07	7.13E-08	-5.68E-08
2210	495311.1	3859802	3.36E-07	1.82E-07	-1.54E-07	1.27E-07	7.08E-08	-5.64E-08	6.47E-08	3.60E-08	-2.87E-08	1.27E-07	7.08E-08	-5.64E-08
2211	495361.1	3859802	3.32E-07	1.80E-07	-1.52E-07	1.26E-07	7.01E-08	-5.58E-08	6.40E-08	3.57E-08	-2.84E-08	1.26E-07	7.01E-08	-5.58E-08
2212	495411.1	3859802	3.28E-07	1.78E-07	-1.50E-07	1.25E-07	6.93E-08	-5.52E-08	6.33E-08	3.53E-08	-2.81E-08	1.25E-07	6.93E-08	-5.52E-08
2213	495461.1	3859802	3.25E-07	1.76E-07	-1.49E-07	1.23E-07	6.87E-08	-5.47E-08	6.27E-08	3.49E-08	-2.78E-08	1.23E-07	6.87E-08	-5.47E-08
2214	495511.1	3859802	3.21E-07	1.74E-07	-1.47E-07	1.22E-07	6.79E-08	-5.40E-08	6.19E-08	3.45E-08	-2.74E-08	1.22E-07	6.79E-08	-5.40E-08
2215	495561.1	3859802	3.18E-07	1.73E-07	-1.46E-07	1.21E-07	6.73E-08	-5.35E-08	6.14E-08	3.42E-08	-2.72E-08	1.21E-07	6.73E-08	-5.35E-08
2216	495611.1	3859802	3.17E-07	1.72E-07	-1.45E-07	1.20E-07	6.70E-08	-5.33E-08	6.12E-08	3.41E-08	-2.71E-08	1.20E-07	6.70E-08	-5.33E-08
2217	495661.1	3859802	3.13E-07	1.70E-07	-1.43E-07	1.19E-07	6.62E-08	-5.26E-08	6.04E-08	3.37E-08	-2.67E-08	1.19E-07	6.62E-08	-5.26E-08
2218	494311.1	3859852	4.20E-07	2.27E-07	-1.93E-07	1.59E-07	8.86E-08	-7.08E-08	8.11E-08	4.51E-08	-3.60E-08	1.59E-07	8.86E-08	-7.08E-08
2219	494361.1	3859852	4.14E-07	2.24E-07	-1.90E-07	1.57E-07	8.74E-08	-6.98E-08	7.99E-08	4.45E-08	-3.55E-08	1.57E-07	8.74E-08	-6.98E-08
2220	494411.1	3859852	4.08E-07	2.21E-07	-1.87E-07	1.55E-07	8.61E-08	-6.87E-08	7.87E-08	4.38E-08	-3.49E-08	1.55E-07	8.61E-08	-6.87E-08
2221	494461.1	3859852	4.03E-07	2.18E-07	-1.85E-07	1.53E-07	8.50E-08	-6.79E-08	7.78E-08	4.32E-08	-3.45E-08	1.53E-07	8.50E-08	-6.79E-08
2222	494511.1	3859852	4.01E-07	2.17E-07	-1.84E-07	1.52E-07	8.47E-08	-6.76E-08	7.74E-08	4.31E-08	-3.44E-08	1.52E-07	8.47E-08	-6.76E-08
2223	494561.1	3859852	4.01E-07	2.17E-07	-1.84E-07	1.52E-07	8.45E-08	-6.75E-08	7.73E-08	4.30E-08	-3.43E-08	1.52E-07	8.45E-08	-6.75E-08
2224	494611.1	3859852	3.92E-07	2.12E-07	-1.80E-07	1.49E-07	8.27E-08	-6.60E-08	7.56E-08	4.20E-08	-3.36E-08	1.49E-07	8.27E-08	-6.60E-08
2225	494661.1	3859852	3.90E-07	2.11E-07	-1.79E-07	1.48E-07	8.22E-08	-6.56E-08	7.52E-08	4.18E-08	-3.34E-08	1.48E-07	8.22E-08	-6.56E-08
2226	494711.1	3859852	3.83E-07	2.07E-07	-1.76E-07	1.45E-07	8.08E-08	-6.46E-08	7.39E-08	4.11E-08	-3.28E-08	1.45E-07	8.08E-08	-6.46E-08
2227	494761.1	3859852	3.82E-07	2.07E-07	-1.76E-07	1.45E-07	8.06E-08	-6.44E-08	7.38E-08	4.10E-08	-3.28E-08	1.45E-07	8.06E-08	-6.44E-08
2228	494811.1	3859852	3.78E-07	2.05E-07	-1.74E-07	1.44E-07	7.98E-08	-6.37E-08	7.30E-08	4.06E-08	-3.24E-08	1.44E-07	7.98E-08	-6.37E-08
2229	494861.1	3859852	3.76E-07	2.03E-07	-1.73E-07	1.43E-07	7.93E-08	-6.34E-08	7.25E-08	4.03E-08	-3.22E-08	1.43E-07	7.93E-08	-6.34E-08
2230	494911.1	3859852	3.71E-07	2.01E-07	-1.70E-07	1.41E-07	7.83E-08	-6.25E-08	7.16E-08	3.98E-08	-3.18E-08	1.41E-07	7.83E-08	-6.25E-08
2231	494961.1	3859852	3.68E-07	1.99E-07	-1.69E-07	1.40E-07	7.76E-08	-6.20E-08	7.10E-08	3.95E-08	-3.15E-08	1.40E-07	7.76E-08	-6.20E-08
2232	495011.1	3859852	3.64E-07	1.97E-07	-1.67E-07	1.38E-07	7.68E-08	-6.14E-08	7.03E-08	3.91E-08	-3.12E-08	1.38E-07	7.68E-08	-6.14E-08
2233	495061.1	3859852	3.61E-07	1.95E-07	-1.66E-07	1.37E-07	7.62E-08	-6.08E-08	6.97E-08	3.88E-08	-3.09E-08	1.37E-07	7.62E-08	-6.08E-08
2234	495111.1	3859852	3.57E-07	1.93E-07	-1.64E-07	1.35E-07	7.53E-08	-6.01E-08	6.88E-08	3.83E-08	-3.05E-08	1.35E-07	7.53E-08	-6.01E-08
2235	495161.1	3859852	3.53E-07	1.91E-07	-1.62E-07	1.34E-07	7.45E-08	-5.94E-08	6.81E-08	3.79E-08	-3.02E-08	1.34E-07	7.45E-08	-5.94E-08
2236	495211.1	3859852	3.50E-07	1.89E-07	-1.61E-07	1.33E-07	7.39E-08	-5.89E-08	6.75E-08	3.76E-08	-2.99E-08	1.33E-07	7.39E-08	-5.89E-08
2237	495261.1	3859852	3.46E-07	1.87E-07	-1.59E-07	1.31E-07	7.31E-08	-5.83E-08	6.68E-08	3.72E-08	-2.96E-08	1.31E-07	7.31E-08	-5.83E-08
2238	495311.1	3859852	3.44E-07	1.86E-07	-1.58E-07	1.30E-07	7.25E-08	-5.78E-08	6.63E-08	3.69E-08	-2.94E-08	1.30E-07	7.25E-08	-5.78E-08
2239	495361.1	3859852	3.40E-07	1.84E-07	-1.56E-07	1.29E-07	7.19E-08	-5.73E-08	6.57E-08	3.66E-08	-2.91E-08	1.29E-07	7.19E-08	-5.73E-08
2240	495411.1	3859852	3.37E-07	1.82E-07	-1.54E-07	1.28E-07	7.11E-08	-5.67E-08	6.50E-08	3.62E-08	-2.88E-08	1.28E-07	7.11E-08	-5.67E-08
2241	495461.1	3859852	3.33E-07	1.80E-07	-1.53E-07	1.26E-07	7.04E-08	-5.61E-08	6.43E-08	3.58E-08	-2.85E-08	1.26E-07	7.04E-08	-5.61E-08
2242	495511.1	3859852	3.29E-07	1.78E-07	-1.51E-07	1.25E-07	6.95E-08	-5.53E-08	6.35E-08	3.54E-08	-2.81E-08	1.25E-07	6.95E-08	-5.53E-08
2243	495561.1	3859852	3.27E-07	1.77E-07	-1.50E-07	1.24E-07	6.91E-08	-5.50E-08	6.31E-08	3.51E-08	-2.80E-08	1.24E-07	6.91E-08	-5.50E-08
2244	495611.1	3859852	3.25E-07	1.76E-07	-1.49E-07	1.23E-07	6.86E-08	-5.46E-08	6.26E-08	3.49E-08	-2.78E-08	1.23E-07	6.86E-08	-5.46E-08
2245	495661.1	3859852	3.21E-07	1.74E-07	-1.47E-07	1.22E-07	6.79E-08	-5.40E-08	6.19E-08	3.45E-08	-2.74E-08	1.22E-07	6.79E-08	-5.40E-08
2246	494311.1	3859902	4.30E-07	2.32E-07	-1.97E-07	1.63E-07	9.07E-08	-7.23E-08	8.29E-08	4.61E-08	-3.68E-08	1.63E-07	9.07E-08	-7.23E-08
2247	494361.1	3859902	4.21E-07	2.28E-07	-1.93E-07	1.60E-07	8.88E-08	-7.08E-08	8.11E-08	4.52E-08	-3.60E-08	1.60E-07	8.88E-08	-7.08E-08
2248	494411.1	3859902	4.18E-07	2.26E-07	-1.92E-07	1.59E-07	8.82E-08	-7.04E-08	8.06E-08	4.48E-08	-3.58E-08	1.59E-07	8.82E-08	-7.04E-08
2249	494461.1	3859902	4.13E-07	2.24E-07	-1.90E-07	1.57E-07	8.72E-08	-6.96E-08	7.98E-08	4.44E-08	-3.54E-08	1.57E-07	8.72E-08	-6.96E-08
2250	494511.1	3859902	4.10E-07	2.22E-07	-1.88E-07	1.56E-07	8.65E-08	-6.91E-08	7.91E-08	4.40E-08	-3.51E-08	1.56E-07	8.65E-08	-6.91E-08
2251	494561.1	3859902	4.11E-07	2.22E-07	-1.89E-07	1.56E-07	8.66E-08	-6.92E-08	7.92E-08	4.41E-08	-3.52E-08	1.56E-07	8.66E-08	-6.92E-08
2252	494611.1	3859902	4.01E-07	2.17E-07	-1.84E-07	1.52E-07	8.46E-08	-6.76E-08	7.74E-08	4.30E-08	-3.44E-08	1.52E-07	8.46E-08	-6.76E-08
2253	494661.1	3859902	4.01E-07	2.17E-07	-1.84E-07	1.52E-07	8.45E-08	-6.75E-08	7.73E-08	4.30E-08	-3.43E-08	1.52E-07	8.45E-08	-6.75E-08
2254	494711.1	3859902	3.92E-07	2.12E-07	-1.80E-07	1.49E-07	8.27E-08	-6.60E-08	7.56E-08	4.20E-08	-3.36E-08	1.49E-07	8.27E-08	-6.60E-08

2255	494761.1	3859902	3.90E-07	2.11E-07	-1.79E-07	1.48E-07	8.24E-08	-6.58E-08	7.53E-08	4.19E-08	-3.34E-08	1.48E-07	8.24E-08	-6.58E-08
2256	494811.1	3859902	3.89E-07	2.10E-07	-1.78E-07	1.47E-07	8.20E-08	-6.55E-08	7.50E-08	4.17E-08	-3.33E-08	1.47E-07	8.20E-08	-6.55E-08
2257	494861.1	3859902	3.86E-07	2.09E-07	-1.77E-07	1.46E-07	8.14E-08	-6.50E-08	7.45E-08	4.14E-08	-3.31E-08	1.46E-07	8.14E-08	-6.50E-08
2258	494911.1	3859902	3.81E-07	2.06E-07	-1.75E-07	1.45E-07	8.03E-08	-6.42E-08	7.35E-08	4.09E-08	-3.26E-08	1.45E-07	8.03E-08	-6.42E-08
2259	494961.1	3859902	3.78E-07	2.04E-07	-1.73E-07	1.43E-07	7.97E-08	-6.36E-08	7.29E-08	4.05E-08	-3.24E-08	1.43E-07	7.97E-08	-6.36E-08
2260	495011.1	3859902	3.74E-07	2.02E-07	-1.72E-07	1.42E-07	7.88E-08	-6.30E-08	7.21E-08	4.01E-08	-3.20E-08	1.42E-07	7.88E-08	-6.30E-08
2261	495061.1	3859902	3.70E-07	2.00E-07	-1.70E-07	1.40E-07	7.80E-08	-6.23E-08	7.13E-08	3.97E-08	-3.17E-08	1.40E-07	7.80E-08	-6.23E-08
2262	495111.1	3859902	3.65E-07	1.98E-07	-1.68E-07	1.39E-07	7.71E-08	-6.15E-08	7.05E-08	3.92E-08	-3.13E-08	1.39E-07	7.71E-08	-6.15E-08
2263	495161.1	3859902	3.61E-07	1.95E-07	-1.66E-07	1.37E-07	7.62E-08	-6.08E-08	6.97E-08	3.87E-08	-3.09E-08	1.37E-07	7.62E-08	-6.08E-08
2264	495211.1	3859902	3.58E-07	1.94E-07	-1.65E-07	1.36E-07	7.56E-08	-6.04E-08	6.92E-08	3.85E-08	-3.07E-08	1.36E-07	7.56E-08	-6.04E-08
2265	495261.1	3859902	3.54E-07	1.91E-07	-1.62E-07	1.34E-07	7.47E-08	-5.96E-08	6.83E-08	3.80E-08	-3.03E-08	1.34E-07	7.47E-08	-5.96E-08
2266	495311.1	3859902	3.51E-07	1.90E-07	-1.61E-07	1.33E-07	7.42E-08	-5.91E-08	6.78E-08	3.77E-08	-3.01E-08	1.33E-07	7.42E-08	-5.91E-08
2267	495361.1	3859902	3.48E-07	1.88E-07	-1.60E-07	1.32E-07	7.34E-08	-5.86E-08	6.72E-08	3.73E-08	-2.98E-08	1.32E-07	7.34E-08	-5.86E-08
2268	495411.1	3859902	3.44E-07	1.86E-07	-1.58E-07	1.31E-07	7.26E-08	-5.79E-08	6.64E-08	3.69E-08	-2.95E-08	1.31E-07	7.26E-08	-5.79E-08
2269	495461.1	3859902	3.40E-07	1.84E-07	-1.56E-07	1.29E-07	7.19E-08	-5.73E-08	6.57E-08	3.66E-08	-2.91E-08	1.29E-07	7.19E-08	-5.73E-08
2270	495511.1	3859902	3.38E-07	1.83E-07	-1.55E-07	1.28E-07	7.13E-08	-5.68E-08	6.52E-08	3.63E-08	-2.89E-08	1.28E-07	7.13E-08	-5.68E-08
2271	495561.1	3859902	3.36E-07	1.82E-07	-1.54E-07	1.27E-07	7.08E-08	-5.64E-08	6.47E-08	3.60E-08	-2.87E-08	1.27E-07	7.08E-08	-5.64E-08
2272	495611.1	3859902	3.32E-07	1.80E-07	-1.52E-07	1.26E-07	7.01E-08	-5.58E-08	6.40E-08	3.57E-08	-2.84E-08	1.26E-07	7.01E-08	-5.58E-08
2273	495661.1	3859902	3.28E-07	1.78E-07	-1.50E-07	1.25E-07	6.93E-08	-5.52E-08	6.33E-08	3.53E-08	-2.81E-08	1.25E-07	6.93E-08	-5.52E-08
2274	494311.1	3859952	4.40E-07	2.38E-07	-2.02E-07	1.67E-07	9.30E-08	-7.41E-08	8.50E-08	4.73E-08	-3.77E-08	1.67E-07	9.30E-08	-7.41E-08
2275	494361.1	3859952	4.34E-07	2.35E-07	-1.99E-07	1.65E-07	9.16E-08	-7.29E-08	8.37E-08	4.66E-08	-3.71E-08	1.65E-07	9.16E-08	-7.29E-08
2276	494411.1	3859952	4.28E-07	2.32E-07	-1.97E-07	1.62E-07	9.04E-08	-7.21E-08	8.26E-08	4.60E-08	-3.67E-08	1.62E-07	9.04E-08	-7.21E-08
2277	494461.1	3859952	4.23E-07	2.29E-07	-1.94E-07	1.61E-07	8.94E-08	-7.12E-08	8.17E-08	4.55E-08	-3.62E-08	1.61E-07	8.94E-08	-7.12E-08
2278	494511.1	3859952	4.20E-07	2.27E-07	-1.93E-07	1.59E-07	8.87E-08	-7.07E-08	8.11E-08	4.51E-08	-3.60E-08	1.59E-07	8.87E-08	-7.07E-08
2279	494561.1	3859952	4.22E-07	2.28E-07	-1.94E-07	1.60E-07	8.90E-08	-7.10E-08	8.14E-08	4.53E-08	-3.61E-08	1.60E-07	8.90E-08	-7.10E-08
2280	494611.1	3859952	4.13E-07	2.23E-07	-1.89E-07	1.57E-07	8.72E-08	-6.95E-08	7.97E-08	4.43E-08	-3.53E-08	1.57E-07	8.72E-08	-6.95E-08
2281	494661.1	3859952	4.13E-07	2.23E-07	-1.89E-07	1.56E-07	8.70E-08	-6.95E-08	7.96E-08	4.43E-08	-3.53E-08	1.56E-07	8.70E-08	-6.95E-08
2282	494711.1	3859952	4.04E-07	2.19E-07	-1.86E-07	1.53E-07	8.53E-08	-6.81E-08	7.80E-08	4.34E-08	-3.46E-08	1.53E-07	8.53E-08	-6.81E-08
2283	494761.1	3859952	4.02E-07	2.17E-07	-1.84E-07	1.52E-07	8.47E-08	-6.77E-08	7.75E-08	4.31E-08	-3.44E-08	1.52E-07	8.47E-08	-6.77E-08
2284	494811.1	3859952	3.98E-07	2.15E-07	-1.83E-07	1.51E-07	8.40E-08	-6.70E-08	7.68E-08	4.27E-08	-3.41E-08	1.51E-07	8.40E-08	-6.70E-08
2285	494861.1	3859952	3.96E-07	2.14E-07	-1.82E-07	1.50E-07	8.36E-08	-6.67E-08	7.65E-08	4.25E-08	-3.39E-08	1.50E-07	8.36E-08	-6.67E-08
2286	494911.1	3859952	3.91E-07	2.11E-07	-1.79E-07	1.48E-07	8.25E-08	-6.58E-08	7.54E-08	4.19E-08	-3.35E-08	1.48E-07	8.25E-08	-6.58E-08
2287	494961.1	3859952	3.86E-07	2.09E-07	-1.77E-07	1.47E-07	8.15E-08	-6.51E-08	7.45E-08	4.14E-08	-3.31E-08	1.47E-07	8.15E-08	-6.51E-08
2288	495011.1	3859952	3.82E-07	2.07E-07	-1.76E-07	1.45E-07	8.06E-08	-6.44E-08	7.38E-08	4.10E-08	-3.28E-08	1.45E-07	8.06E-08	-6.44E-08
2289	495061.1	3859952	3.79E-07	2.05E-07	-1.74E-07	1.44E-07	7.99E-08	-6.38E-08	7.31E-08	4.06E-08	-3.24E-08	1.44E-07	7.99E-08	-6.38E-08
2290	495111.1	3859952	3.74E-07	2.02E-07	-1.72E-07	1.42E-07	7.89E-08	-6.29E-08	7.21E-08	4.01E-08	-3.20E-08	1.42E-07	7.89E-08	-6.29E-08
2291	495161.1	3859952	3.69E-07	2.00E-07	-1.69E-07	1.40E-07	7.79E-08	-6.21E-08	7.12E-08	3.96E-08	-3.16E-08	1.40E-07	7.79E-08	-6.21E-08
2292	495211.1	3859952	3.65E-07	1.98E-07	-1.68E-07	1.39E-07	7.71E-08	-6.15E-08	7.05E-08	3.92E-08	-3.13E-08	1.39E-07	7.71E-08	-6.15E-08
2293	495261.1	3859952	3.62E-07	1.96E-07	-1.66E-07	1.37E-07	7.63E-08	-6.09E-08	6.98E-08	3.88E-08	-3.10E-08	1.37E-07	7.63E-08	-6.09E-08
2294	495311.1	3859952	3.60E-07	1.95E-07	-1.65E-07	1.37E-07	7.59E-08	-6.06E-08	6.94E-08	3.86E-08	-3.08E-08	1.37E-07	7.59E-08	-6.06E-08
2295	495361.1	3859952	3.57E-07	1.93E-07	-1.64E-07	1.35E-07	7.53E-08	-6.01E-08	6.88E-08	3.83E-08	-3.05E-08	1.35E-07	7.53E-08	-6.01E-08
2296	495411.1	3859952	3.53E-07	1.91E-07	-1.62E-07	1.34E-07	7.44E-08	-5.93E-08	6.80E-08	3.79E-08	-3.02E-08	1.34E-07	7.44E-08	-5.93E-08
2297	495461.1	3859952	3.49E-07	1.89E-07	-1.60E-07	1.32E-07	7.37E-08	-5.87E-08	6.73E-08	3.75E-08	-2.99E-08	1.32E-07	7.37E-08	-5.87E-08
2298	495511.1	3859952	3.45E-07	1.87E-07	-1.58E-07	1.31E-07	7.29E-08	-5.81E-08	6.66E-08	3.71E-08	-2.96E-08	1.31E-07	7.29E-08	-5.81E-08
2299	495561.1	3859952	3.44E-07	1.86E-07	-1.58E-07	1.31E-07	7.26E-08	-5.79E-08	6.64E-08	3.69E-08	-2.95E-08	1.31E-07	7.26E-08	-5.79E-08
2300	495611.1	3859952	3.40E-07	1.84E-07	-1.56E-07	1.29E-07	7.18E-08	-5.72E-08	6.56E-08	3.65E-08	-2.91E-08	1.29E-07	7.18E-08	-5.72E-08
2301	495661.1	3859952	3.36E-07	1.82E-07	-1.54E-07	1.27E-07	7.09E-08	-5.65E-08	6.48E-08	3.61E-08	-2.87E-08	1.27E-07	7.09E-08	-5.65E-08
2302	494311.1	3860002	4.51E-07	2.44E-07	-2.07E-07	1.71E-07	9.53E-08	-7.59E-08	8.71E-08	4.85E-08	-3.86E-08	1.71E-07	9.53E-08	-7.59E-08
2303	494361.1	3860002	4.46E-07	2.41E-07	-2.04E-07	1.69E-07	9.42E-08	-7.50E-08	8.60E-08	4.79E-08	-3.81E-08	1.69E-07	9.42E-08	-7.50E-08
2304	494411.1	3860002	4.38E-07	2.37E-07	-2.01E-07	1.66E-07	9.25E-08	-7.37E-08	8.45E-08	4.71E-08	-3.75E-08	1.66E-07	9.25E-08	-7.37E-08
2305	494461.1	3860002	4.35E-07	2.35E-07	-1.99E-07	1.65E-07	9.18E-08	-7.31E-08	8.38E-08	4.67E-08	-3.72E-08	1.65E-07	9.18E-08	-7.31E-08
2306	494511.1	3860002	4.29E-07	2.32E-07	-1.97E-07	1.63E-07	9.05E-08	-7.21E-08	8.27E-08	4.60E-08	-3.67E-08	1.63E-07	9.05E-08	-7.21E-08
2307	494561.1	3860002	4.33E-07	2.34E-07	-1.98E-07	1.64E-07	9.14E-08	-7.28E-08	8.35E-08	4.65E-08	-3.70E-08	1.64E-07	9.14E-08	-7.28E-08
2308	494611.1	3860002	4.26E-07	2.31E-07	-1.96E-07	1.62E-07	9.00E-08	-7.17E-08	8.23E-08	4.58E-08	-3.65E-08	1.62E-07	9.00E-08	-7.17E-08
2309	494661.1	3860002	4.23E-07	2.29E-07	-1.94E-07	1.61E-07	8.93E-08	-7.13E-08	8.17E-08	4.54E-08	-3.62E-08	1.61E-07	8.93E-08	-7.13E-08
2310	494711.1	3860002	4.12E-07	2.23E-07	-1.89E-07	1.56E-07	8.69E-08	-6.93E-08	7.94E-08	4.42E-08	-3.52E-08	1.56E-07	8.69E-08	-6.93E-08
2311	494761.1	3860002	4.12E-07	2.23E-07	-1.89E-07	1.56E-07	8.70E-08	-6.93E-08	7.95E-08	4.42E-08	-3.53E-08	1.56E-07	8.70E-08	-6.93E-08
2312	494811.1	3860002	4.09E-07	2.22E-07	-1.88E-07	1.55E-07	8.64E-08	-6.89E-08	7.90E-08	4.39E-08	-3.50E-08	1.55E-07	8.64E-08	-6.89E-08
2313	494861.1	3860002	4.08E-07	2.20E-07	-1.87E-07	1.55E-07	8.60E-08	-6.86E-08	7.86E-08	4.37E-08	-3.49E-08	1.55E-07	8.60E-08	-6.86E-08
2314	494911.1	3860002	3.97E-07	2.15E-07	-1.82E-07	1.51E-07	8.39E-08	-6.68E-08	7.66E-08	4.26E-08	-3.40E-08	1.51E-07	8.39E-08	-6.68E-08
2315	494961.1	3860002	3.95E-07	2.14E-07	-1.81E-07	1.50E-07	8.34E-08	-6.65E-08	7.62E-08	4.24E-08	-3.38E-08	1.50E-07	8.34E-08	-6.65E-08
2316	495011.1	3860002	3.90E-07	2.11E-07	-1.79E-07	1.48E-07	8.24E-08	-6.58E-08	7.53E-08	4.19E-08	-3.34E-08	1.48E-07	8.24E-08	-6.58E-08
2317	495061.1	3860002	3.88E-07	2.10E-07	-1.78E-07	1.47E-07	8.19E-08	-6.53E-08	7.49E-08	4.17E-08	-3.32E-08	1.47E-07	8.19E-08	-6.53E-08
2318	495111.1	3860002	3.83E-07	2.07E-07	-1.76E-07	1.45E-07	8.09E-08	-6.45E-08	7.39E-08	4.11E-08	-3.28E-08	1.45E-07	8.09E-08	-6.45E-08
2319	495161.1	3860002	3.79E-07	2.05E-07	-1.74E-07	1.44E-07	7.99E-08	-6.38E-08	7.31E-08	4.06E-08	-3.24E-08	1.44E-07	7.99E-08	-6.38E-08
2320	495211.1	3860002	3.76E-07	2.04E-07	-1.73E-07	1.43E-07	7.94E-08	-6.34E-08	7.26E-08	4.04E-08	-3.22E-08	1.43E-07	7.94E-08	-6.34E-08
2321	495261.1	3860002	3.72E-07	2.01E-07	-1.71E-07	1.41E-07	7.86E-08	-6.27E-08	7.19E-08	4.00E-08	-3.19E-08	1.41E-07	7.86E-08	-6.27E-08
2322	495311.1	3860002	3.69E-07	2.00E-07	-1.70E-07	1.40E-07	7.79E-08	-6.22E-08	7.12E-08	3.96E-08	-3.16E-08	1.40E-07	7.79E-08	-6.22E-08
2323	495361.1	3860002	3.63E-07	1.97E-07	-1.67E-07	1.38E-07	7.67E-08	-6.12E-08	7.01E-08	3.90E-08	-3.11E-08	1.38E-07	7.67E-08	-6.12E-08
2324	495411.1	3860002	3.62E-07	1.96E-07	-1.66E-07	1.37E-07	7.64E-08	-6.10E-08	6.99E-08	3.89E-08	-3.10E-08	1.37E-07	7.64E-08	-6.10E-08
2325	495461.1	3860002	3.58E-07	1.94E-07	-1.65E-07	1.36E-07	7.56E-08	-6.04E-08	6.92E-08	3.85E-08	-3.07E-08	1.36E-07	7.56E-08	-6.04E-08
2326	495511.1	3860002	3.55E-07	1.92E-07	-1.63E-07	1.35E-07	7.49E-08	-5.97E-08	6.85E-08	3.81E-08	-3.04E-08	1.35E-07	7.49E-08	-5.97E-08
2327	495561.1	3860002	3.53E-07	1.91E-07	-1.62E-07	1.34E-07	7.45E-08	-5.94E-08	6.81E-08	3.79E-08	-3.02E-08	1.34E-07	7.45E-08	-5.94E-08
2328	495611.1	3860002	3.49E-07	1.89E-07	-1.60E-07	1.32E-07	7.37E-08	-5.87E-08	6.73E-08	3.75E-08	-2.99E-08	1.32E-07	7.37E-08	-5.87E-08
2329	495661.1	3860002	3.45E-07	1.87E-07	-1.58E-07	1.31E-07	7.28E-08	-5.81E-08	6.66E-08	3.70E-08	-2.95E-08	1.31E-07	7.28E-08	-5.81E-08
2330	494411.1	3860052	4.51E-07	2.44E-07	-2.07E-07	1.71E-07	9.52E-08	-7.58E-08	8.70E-08	4.84E-08	-3.85E-08	1.71E-07	9.52E-08	-7.58E-08
2331	494461.1	3860052	4.45E-07	2.41E-07	-2.04E-07	1.69E-07	9.41E-08	-7.49E-08	8.59E-08	4.78E-08	-3.81E-08	1.69E-07	9.41E-08	-7.49E-08
2332	494511.1	3860052	4.40E-07	2.39E-07	-2.02E-07	1.67E-07	9.30E-08	-7.41E-08	8.50E-08	4.73E-08	-3.77E-08	1.67E-07	9.30E-08	-7.41E-08
2333	494561.1	3860052	4.41E-07	2.39E-07	-2.02E-07	1.67E-07	9.31E-08	-7.41E-08	8.51E-08	4.74E-08	-3.77E-08	1.67E-07	9.31E-08	-7.41E-08
2334	494611.1	3860052	4.38E-07	2.37E-07	-2.01E-07	1.66E-07	9.25E-08	-7.37E-08	8.45E-08	4.71E-08	-3.75E-08	1.66E-07	9.25E-08	-7.37E-08
2335	494661.1	3860052	4.35E-07	2.35E-07	-1.99E-07	1.65E-07	9.18E-08	-7.31E-08	8.38E-08	4.67E-08	-3.72E-08	1.65E-07	9.18E-08	-7.31E-08
2336	494711.1	3860052	4.26E-07	2.31E-07	-1.96E-07	1.62E-07	9.00E-08	-7.17E-08	8.23E-08	4.58E-08	-3.65E-08	1.62E-07	9.00E-08	-7.17E-08
2337	494761.1	3860052	4.23E-07	2.29E-07	-1.94E-07	1.61E-07	8.94E-08	-7.12E-08	8.17E-08	4.55E-08	-3.62E-08	1.61E-07	8.94E-08	-7.12E-08
2338	494811.1	3860052	4.22E-07	2.29E-07	-1.94E-07	1.60E-07	8.91E-08	-7.11E-08	8.15E-08	4.53E-08	-3.62E-08	1.60E-07	8.91E-08	-7.11E-08
2339	494861.1	3860052	4.21E-07	2.28E-07	-1.93E-07	1.60E-07	8.88E-08	-7.08E-08	8.11E-08	4.52E-08	-3.60E-08	1.60E-07	8.88E-08	-7.08E-08
2340	494911.1	3860052	4.14E-07	2.24E-07	-1.90E-07	1.57E-07	8.75E-08	-6.97E-08	7.99E-08	4.45E-08	-3.55E-08	1.57E-07	8.75E-08	-6.97E-08
2341	494961.1	3860052	4.08E-07	2.21E-07	-1.87E-07	1.55E-07	8.61E-08	-6.87E-08	7.87E-08	4.38E-08	-3.49E-08	1.55E-07	8.61E-08	-6.87E-08
2342	495011.1	3860052	4.02E-07	2.18E-07	-1.84E-07	1.53E-07	8.49E-08	-6.77E-08	7.76E-08	4.32E-08	-3.44E-08	1.53E-07	8.49E-08	-6.77E-08
2343	495061.1	3860052	3.98E-07	2.15E-07	-1.83E-07	1.51E-07	8.40E-08	-6.70E-08	7.68E-08	4.27E-08	-3.41E-08	1.51E-07	8.40E-08	-6.70E-08
2344	495111.1	3860052	3.92E-07	2.12E-07	-1.80E-07	1.49E-07	8.28E-08	-6.60E-08	7.57E-08	4.21E-08	-3.36E-08	1.49E-07	8.28E-08	-6.60E-08
2345	495161.1	3860052	3.88E-07	2.10E-07	-1.78E-07	1.47E-07	8.19E-08	-6.53E-08	7.49E-08	4.17E-08	-3.32E-08	1.47E-07	8.19E-08	-6.53E-08
2346	495211.1	3860052	3.84E-07	2.08E-07	-1.76E-07	1.46E-07	8.10E-08	-6.46E-08	7.40E-08	4.12E-08	-3.28E-08	1.46E-07	8.10E-08	-6.46E-08
2347	495261.1	3860052	3.81E-07	2.06E-07	-1.75E-07	1.45E-07	8.04E-08	-6.41E-08	7.35E-08	4.09E-08	-3.26E-08	1.45E-07	8.04E-08	-6.41E-08
2348	495311.1	3860052	3.78E-07	2.05E-07	-1.74E-07	1.44E-07	7.98E-08	-6.37E-08	7.30E-08	4.06E-08	-3.24E-08	1.44E-07	7.98E-08	-6.37E-08

2349	495361.1	3860052	3.75E-07	2.03E-07	-1.72E-07	1.42E-07	7.92E-08	-6.31E-08	7.24E-08	4.03E-08	-3.21E-08	1.42E-07	7.92E-08	-6.31E-08
2350	495411.1	3860052	3.72E-07	2.01E-07	-1.71E-07	1.41E-07	7.85E-08	-6.26E-08	7.18E-08	3.99E-08	-3.19E-08	1.41E-07	7.85E-08	-6.26E-08
2351	495461.1	3860052	3.68E-07	1.99E-07	-1.69E-07	1.40E-07	7.77E-08	-6.19E-08	7.10E-08	3.95E-08	-3.15E-08	1.40E-07	7.77E-08	-6.19E-08
2352	495511.1	3860052	3.65E-07	1.98E-07	-1.68E-07	1.39E-07	7.71E-08	-6.15E-08	7.05E-08	3.92E-08	-3.13E-08	1.39E-07	7.71E-08	-6.15E-08
2353	495561.1	3860052	3.62E-07	1.96E-07	-1.66E-07	1.37E-07	7.64E-08	-6.10E-08	6.99E-08	3.89E-08	-3.10E-08	1.37E-07	7.64E-08	-6.10E-08
2354	495611.1	3860052	3.58E-07	1.94E-07	-1.64E-07	1.36E-07	7.56E-08	-6.02E-08	6.91E-08	3.84E-08	-3.06E-08	1.36E-07	7.56E-08	-6.02E-08
2355	495661.1	3860052	3.54E-07	1.91E-07	-1.62E-07	1.34E-07	7.46E-08	-5.95E-08	6.82E-08	3.80E-08	-3.02E-08	1.34E-07	7.46E-08	-5.95E-08
2356	494411.1	3860102	4.58E-07	2.48E-07	-2.10E-07	1.74E-07	9.68E-08	-7.69E-08	8.84E-08	4.92E-08	-3.91E-08	1.74E-07	9.68E-08	-7.69E-08
2357	494461.1	3860102	4.58E-07	2.48E-07	-2.10E-07	1.74E-07	9.68E-08	-7.70E-08	8.84E-08	4.92E-08	-3.91E-08	1.74E-07	9.68E-08	-7.70E-08
2358	494511.1	3860102	4.50E-07	2.44E-07	-2.06E-07	1.71E-07	9.51E-08	-7.56E-08	8.68E-08	4.84E-08	-3.84E-08	1.71E-07	9.51E-08	-7.56E-08
2359	494561.1	3860102	4.48E-07	2.42E-07	-2.05E-07	1.70E-07	9.46E-08	-7.53E-08	8.64E-08	4.81E-08	-3.83E-08	1.70E-07	9.46E-08	-7.53E-08
2360	494611.1	3860102	4.48E-07	2.43E-07	-2.05E-07	1.70E-07	9.47E-08	-7.53E-08	8.64E-08	4.81E-08	-3.83E-08	1.70E-07	9.47E-08	-7.53E-08
2361	494661.1	3860102	4.45E-07	2.41E-07	-2.04E-07	1.69E-07	9.41E-08	-7.49E-08	8.59E-08	4.78E-08	-3.81E-08	1.69E-07	9.41E-08	-7.49E-08
2362	494711.1	3860102	4.38E-07	2.37E-07	-2.01E-07	1.66E-07	9.24E-08	-7.36E-08	8.44E-08	4.70E-08	-3.74E-08	1.66E-07	9.24E-08	-7.36E-08
2363	494761.1	3860102	4.35E-07	2.35E-07	-1.99E-07	1.65E-07	9.18E-08	-7.31E-08	8.38E-08	4.67E-08	-3.72E-08	1.65E-07	9.18E-08	-7.31E-08
2364	494811.1	3860102	4.32E-07	2.34E-07	-1.98E-07	1.64E-07	9.12E-08	-7.26E-08	8.33E-08	4.64E-08	-3.69E-08	1.64E-07	9.12E-08	-7.26E-08
2365	494861.1	3860102	4.35E-07	2.35E-07	-1.99E-07	1.65E-07	9.17E-08	-7.31E-08	8.38E-08	4.66E-08	-3.72E-08	1.65E-07	9.17E-08	-7.31E-08
2366	494911.1	3860102	4.22E-07	2.28E-07	-1.93E-07	1.60E-07	8.90E-08	-7.09E-08	8.13E-08	4.53E-08	-3.61E-08	1.60E-07	8.90E-08	-7.09E-08
2367	494961.1	3860102	4.18E-07	2.26E-07	-1.92E-07	1.59E-07	8.82E-08	-7.03E-08	8.06E-08	4.49E-08	-3.58E-08	1.59E-07	8.82E-08	-7.03E-08
2368	495011.1	3860102	4.13E-07	2.23E-07	-1.89E-07	1.56E-07	8.71E-08	-6.94E-08	7.96E-08	4.43E-08	-3.53E-08	1.56E-07	8.71E-08	-6.94E-08
2369	495061.1	3860102	4.08E-07	2.21E-07	-1.87E-07	1.55E-07	8.60E-08	-6.86E-08	7.86E-08	4.37E-08	-3.49E-08	1.55E-07	8.60E-08	-6.86E-08
2370	495111.1	3860102	4.01E-07	2.17E-07	-1.84E-07	1.52E-07	8.47E-08	-6.75E-08	7.74E-08	4.31E-08	-3.43E-08	1.52E-07	8.47E-08	-6.75E-08
2371	495161.1	3860102	3.99E-07	2.16E-07	-1.83E-07	1.51E-07	8.41E-08	-6.71E-08	7.69E-08	4.28E-08	-3.41E-08	1.51E-07	8.41E-08	-6.71E-08
2372	495211.1	3860102	3.94E-07	2.14E-07	-1.81E-07	1.50E-07	8.33E-08	-6.64E-08	7.61E-08	4.23E-08	-3.38E-08	1.50E-07	8.33E-08	-6.64E-08
2373	495261.1	3860102	3.91E-07	2.12E-07	-1.79E-07	1.48E-07	8.25E-08	-6.58E-08	7.54E-08	4.20E-08	-3.35E-08	1.48E-07	8.25E-08	-6.58E-08
2374	495311.1	3860102	3.87E-07	2.10E-07	-1.78E-07	1.47E-07	8.17E-08	-6.52E-08	7.47E-08	4.16E-08	-3.32E-08	1.47E-07	8.17E-08	-6.52E-08
2375	495361.1	3860102	3.85E-07	2.08E-07	-1.77E-07	1.46E-07	8.13E-08	-6.48E-08	7.43E-08	4.13E-08	-3.30E-08	1.46E-07	8.13E-08	-6.48E-08
2376	495411.1	3860102	3.81E-07	2.06E-07	-1.75E-07	1.45E-07	8.05E-08	-6.42E-08	7.36E-08	4.09E-08	-3.27E-08	1.45E-07	8.05E-08	-6.42E-08
2377	495461.1	3860102	3.76E-07	2.03E-07	-1.73E-07	1.43E-07	7.93E-08	-6.33E-08	7.25E-08	4.03E-08	-3.22E-08	1.43E-07	7.93E-08	-6.33E-08
2378	495511.1	3860102	3.74E-07	2.02E-07	-1.71E-07	1.42E-07	7.89E-08	-6.29E-08	7.21E-08	4.01E-08	-3.20E-08	1.42E-07	7.89E-08	-6.29E-08
2379	495561.1	3860102	3.72E-07	2.01E-07	-1.70E-07	1.41E-07	7.84E-08	-6.25E-08	7.17E-08	3.99E-08	-3.18E-08	1.41E-07	7.84E-08	-6.25E-08
2380	495611.1	3860102	3.67E-07	1.98E-07	-1.68E-07	1.39E-07	7.74E-08	-6.17E-08	7.07E-08	3.93E-08	-3.14E-08	1.39E-07	7.74E-08	-6.17E-08
2381	495661.1	3860102	3.63E-07	1.97E-07	-1.67E-07	1.38E-07	7.67E-08	-6.12E-08	7.01E-08	3.90E-08	-3.11E-08	1.38E-07	7.67E-08	-6.12E-08
2382	494861.1	3860152	4.49E-07	2.43E-07	-2.06E-07	1.71E-07	9.49E-08	-7.56E-08	8.67E-08	4.83E-08	-3.84E-08	1.71E-07	9.49E-08	-7.56E-08
2383	494911.1	3860152	4.35E-07	2.35E-07	-1.99E-07	1.65E-07	9.18E-08	-7.31E-08	8.38E-08	4.67E-08	-3.72E-08	1.65E-07	9.18E-08	-7.31E-08
2384	494961.1	3860152	4.29E-07	2.32E-07	-1.97E-07	1.63E-07	9.06E-08	-7.22E-08	8.28E-08	4.61E-08	-3.67E-08	1.63E-07	9.06E-08	-7.22E-08
2385	495011.1	3860152	4.23E-07	2.29E-07	-1.94E-07	1.61E-07	8.94E-08	-7.12E-08	8.17E-08	4.55E-08	-3.62E-08	1.61E-07	8.94E-08	-7.12E-08
2386	495061.1	3860152	4.18E-07	2.26E-07	-1.92E-07	1.59E-07	8.83E-08	-7.03E-08	8.06E-08	4.49E-08	-3.57E-08	1.59E-07	8.83E-08	-7.03E-08
2387	495111.1	3860152	4.14E-07	2.24E-07	-1.90E-07	1.57E-07	8.74E-08	-6.96E-08	7.98E-08	4.44E-08	-3.54E-08	1.57E-07	8.74E-08	-6.96E-08
2388	495161.1	3860152	4.10E-07	2.22E-07	-1.88E-07	1.55E-07	8.65E-08	-6.89E-08	7.91E-08	4.40E-08	-3.51E-08	1.55E-07	8.65E-08	-6.89E-08
2389	495211.1	3860152	4.06E-07	2.20E-07	-1.86E-07	1.54E-07	8.56E-08	-6.83E-08	7.83E-08	4.35E-08	-3.47E-08	1.54E-07	8.56E-08	-6.83E-08
2390	495261.1	3860152	4.02E-07	2.18E-07	-1.84E-07	1.53E-07	8.49E-08	-6.77E-08	7.76E-08	4.32E-08	-3.44E-08	1.53E-07	8.49E-08	-6.77E-08
2391	495311.1	3860152	3.99E-07	2.16E-07	-1.83E-07	1.51E-07	8.41E-08	-6.71E-08	7.69E-08	4.28E-08	-3.41E-08	1.51E-07	8.41E-08	-6.71E-08
2392	495361.1	3860152	3.95E-07	2.14E-07	-1.81E-07	1.50E-07	8.35E-08	-6.65E-08	7.63E-08	4.24E-08	-3.38E-08	1.50E-07	8.35E-08	-6.65E-08
2393	495411.1	3860152	3.92E-07	2.12E-07	-1.80E-07	1.49E-07	8.27E-08	-6.59E-08	7.56E-08	4.21E-08	-3.35E-08	1.49E-07	8.27E-08	-6.59E-08
2394	495461.1	3860152	3.88E-07	2.10E-07	-1.78E-07	1.47E-07	8.19E-08	-6.53E-08	7.49E-08	4.17E-08	-3.32E-08	1.47E-07	8.19E-08	-6.53E-08
2395	495511.1	3860152	3.84E-07	2.08E-07	-1.76E-07	1.46E-07	8.10E-08	-6.45E-08	7.40E-08	4.12E-08	-3.28E-08	1.46E-07	8.10E-08	-6.45E-08
2396	495561.1	3860152	3.81E-07	2.06E-07	-1.75E-07	1.45E-07	8.04E-08	-6.41E-08	7.35E-08	4.09E-08	-3.26E-08	1.45E-07	8.04E-08	-6.41E-08
2397	495611.1	3860152	3.77E-07	2.04E-07	-1.73E-07	1.43E-07	7.96E-08	-6.34E-08	7.27E-08	4.05E-08	-3.23E-08	1.43E-07	7.96E-08	-6.34E-08
2398	495661.1	3860152	3.72E-07	2.02E-07	-1.71E-07	1.41E-07	7.86E-08	-6.27E-08	7.19E-08	4.00E-08	-3.19E-08	1.41E-07	7.86E-08	-6.27E-08
2399	495718.3	3859443	2.61E-07	1.42E-07	-1.19E-07	9.91E-08	5.55E-08	-4.36E-08	5.04E-08	2.82E-08	-2.22E-08	9.91E-08	5.55E-08	-4.36E-08
2400	495818.3	3859443	2.56E-07	1.40E-07	-1.17E-07	9.72E-08	5.45E-08	-4.27E-08	4.94E-08	2.77E-08	-2.17E-08	9.72E-08	5.45E-08	-4.27E-08
2401	495918.3	3859443	2.53E-07	1.38E-07	-1.15E-07	9.58E-08	5.37E-08	-4.22E-08	4.87E-08	2.73E-08	-2.14E-08	9.58E-08	5.37E-08	-4.22E-08
2402	496018.3	3859443	2.49E-07	1.36E-07	-1.14E-07	9.46E-08	5.30E-08	-4.16E-08	4.81E-08	2.70E-08	-2.12E-08	9.46E-08	5.30E-08	-4.16E-08
2403	496118.3	3859443	2.49E-07	1.36E-07	-1.14E-07	9.46E-08	5.30E-08	-4.16E-08	4.81E-08	2.70E-08	-2.12E-08	9.46E-08	5.30E-08	-4.16E-08
2404	496218.3	3859443	2.49E-07	1.36E-07	-1.13E-07	9.43E-08	5.29E-08	-4.14E-08	4.80E-08	2.69E-08	-2.11E-08	9.43E-08	5.29E-08	-4.14E-08
2405	496318.3	3859443	2.46E-07	1.34E-07	-1.12E-07	9.35E-08	5.23E-08	-4.11E-08	4.75E-08	2.66E-08	-2.09E-08	9.35E-08	5.23E-08	-4.11E-08
2406	496418.3	3859443	2.43E-07	1.33E-07	-1.11E-07	9.23E-08	5.17E-08	-4.05E-08	4.69E-08	2.63E-08	-2.06E-08	9.23E-08	5.17E-08	-4.05E-08
2407	495718.3	3859543	2.73E-07	1.49E-07	-1.25E-07	1.04E-07	5.80E-08	-4.57E-08	5.27E-08	2.95E-08	-2.32E-08	1.04E-07	5.80E-08	-4.57E-08
2408	495818.3	3859543	2.69E-07	1.47E-07	-1.23E-07	1.02E-07	5.72E-08	-4.50E-08	5.20E-08	2.91E-08	-2.29E-08	1.02E-07	5.72E-08	-4.50E-08
2409	495918.3	3859543	2.64E-07	1.44E-07	-1.20E-07	1.00E-07	5.61E-08	-4.41E-08	5.10E-08	2.86E-08	-2.24E-08	1.00E-07	5.61E-08	-4.41E-08
2410	496018.3	3859543	2.60E-07	1.42E-07	-1.18E-07	9.87E-08	5.53E-08	-4.34E-08	5.02E-08	2.81E-08	-2.21E-08	9.87E-08	5.53E-08	-4.34E-08
2411	496118.3	3859543	2.60E-07	1.42E-07	-1.19E-07	9.87E-08	5.53E-08	-4.35E-08	5.02E-08	2.81E-08	-2.21E-08	9.87E-08	5.53E-08	-4.35E-08
2412	496218.3	3859543	2.59E-07	1.41E-07	-1.18E-07	9.82E-08	5.50E-08	-4.32E-08	5.00E-08	2.80E-08	-2.20E-08	9.82E-08	5.50E-08	-4.32E-08
2413	496318.3	3859543	2.57E-07	1.40E-07	-1.17E-07	9.76E-08	5.46E-08	-4.29E-08	4.96E-08	2.78E-08	-2.18E-08	9.76E-08	5.46E-08	-4.29E-08
2414	496418.3	3859543	2.54E-07	1.38E-07	-1.16E-07	9.62E-08	5.38E-08	-4.23E-08	4.89E-08	2.74E-08	-2.15E-08	9.62E-08	5.38E-08	-4.23E-08
2415	495718.3	3859643	2.86E-07	1.55E-07	-1.31E-07	1.08E-07	6.06E-08	-4.79E-08	5.52E-08	3.08E-08	-2.44E-08	1.08E-07	6.06E-08	-4.79E-08
2416	495818.3	3859643	2.81E-07	1.53E-07	-1.28E-07	1.06E-07	5.95E-08	-4.69E-08	5.41E-08	3.03E-08	-2.39E-08	1.06E-07	5.95E-08	-4.69E-08
2417	495918.3	3859643	2.77E-07	1.51E-07	-1.26E-07	1.05E-07	5.87E-08	-4.63E-08	5.34E-08	2.99E-08	-2.36E-08	1.05E-07	5.87E-08	-4.63E-08
2418	496018.3	3859643	2.72E-07	1.48E-07	-1.24E-07	1.03E-07	5.78E-08	-4.55E-08	5.26E-08	2.94E-08	-2.32E-08	1.03E-07	5.78E-08	-4.55E-08
2419	496118.3	3859643	2.73E-07	1.48E-07	-1.25E-07	1.04E-07	5.79E-08	-4.57E-08	5.27E-08	2.94E-08	-2.32E-08	1.04E-07	5.79E-08	-4.57E-08
2420	496218.3	3859643	2.72E-07	1.48E-07	-1.24E-07	1.03E-07	5.77E-08	-4.55E-08	5.25E-08	2.93E-08	-2.31E-08	1.03E-07	5.77E-08	-4.55E-08
2421	496318.3	3859643	2.68E-07	1.46E-07	-1.22E-07	1.02E-07	5.69E-08	-4.49E-08	5.18E-08	2.89E-08	-2.28E-08	1.02E-07	5.69E-08	-4.49E-08
2422	496418.3	3859643	2.58E-07	1.41E-07	-1.18E-07	9.81E-08	5.49E-08	-4.32E-08	4.99E-08	2.79E-08	-2.20E-08	9.81E-08	5.49E-08	-4.32E-08
2423	495718.3	3859743	3.01E-07	1.64E-07	-1.38E-07	1.14E-07	6.38E-08	-5.05E-08	5.81E-08	3.24E-08	-2.57E-08	1.14E-07	6.38E-08	-5.05E-08
2424	495818.3	3859743	2.95E-07	1.60E-07	-1.35E-07	1.12E-07	6.25E-08	-4.95E-08	5.70E-08	3.18E-08	-2.52E-08	1.12E-07	6.25E-08	-4.95E-08
2425	495918.3	3859743	2.90E-07	1.58E-07	-1.33E-07	1.10E-07	6.15E-08	-4.87E-08	5.60E-08	3.13E-08	-2.48E-08	1.10E-07	6.15E-08	-4.87E-08
2426	496018.3	3859743	2.86E-07	1.55E-07	-1.30E-07	1.08E-07	6.05E-08	-4.79E-08	5.51E-08	3.07E-08	-2.43E-08	1.08E-07	6.05E-08	-4.79E-08
2427	496118.3	3859743	2.85E-07	1.55E-07	-1.30E-07	1.08E-07	6.04E-08	-4.78E-08	5.50E-08	3.07E-08	-2.43E-08	1.08E-07	6.04E-08	-4.78E-08
2428	496218.3	3859743	2.86E-07	1.55E-07	-1.31E-07	1.08E-07	6.06E-08	-4.79E-08	5.52E-08	3.08E-08	-2.44E-08	1.08E-07	6.06E-08	-4.79E-08
2429	496318.3	3859743	2.76E-07	1.50E-07	-1.26E-07	1.05E-07	5.85E-08	-4.62E-08	5.33E-08	2.98E-08	-2.35E-08	1.05E-07	5.85E-08	-4.62E-08
2430	496418.3	3859743	2.67E-07	1.45E-07	-1.22E-07	1.01E-07	5.66E-08	-4.46E-08	5.14E-08	2.88E-08	-2.27E-08	1.01E-07	5.66E-08	-4.46E-08
2431	495718.3	3859843	3.17E-07	1.72E-07	-1.45E-07	1.20E-07	6.69E-08	-5.32E-08	6.11E-08	3.40E-08	-2.71E-08	1.20E-07	6.69E-08	-5.32E-08
2432	495818.3	3859843	3.11E-07	1.69E-07	-1.42E-07	1.18E-07	6.58E-08	-5.23E-08	6.00E-08	3.35E-08	-2.66E-08	1.18E-07	6.58E-08	-5.23E-08
2433	495918.3	3859843	3.06E-07	1.66E-07	-1.40E-07	1.16E-07	6.46E-08	-5.14E-08	5.90E-08	3.29E-08	-2.61E-08	1.16E-07	6.46E-08	-5.14E-08
2434	496018.3	3859843	3.02E-07	1.64E-07	-1.38E-07	1.15E-07	6.39E-08	-5.07E-08	5.83E-08	3.25E-08	-2.58E-08	1.15E-07	6.39E-08	-5.07E-08
2435	496118.3	3859843	3.03E-07	1.64E-07	-1.38E-07	1.15E-07	6.40E-08	-5.08E-08	5.84E-08	3.26E-08	-2.58E-08	1.15E-07	6.40E-08	-5.08E-08
2436	496218.3	3859843	2.94E-07	1.59E-07	-1.34E-07	1.11E-07	6.21E-08	-4.92E-08	5.66E-08	3.16E-08	-2.50E-08	1.11E-07	6.21E-08	-4.92E-08
2437	496318.3	3859843	2.77E-07	1.50E-07	-1.26E-07	1.05E-07	5.86E-08	-4.63E-08	5.33E-08	2.98E-08	-2.35E-08	1.05E-07	5.86E-08	-4.63E-08
2438	496418.3	3859843	2.67E-07	1.45E-07	-1.21E-07	1.01E-07	5.66E-08	-4.45E-08	5.14E-08	2.88E-08	-2.26E-08	1.01E-07	5.66E-08	-4.45E-08
2439	495718.3	3859943	3.32E-07	1.80E-07	-1.52E-07	1.26E-07	7.01E-08	-5.58E-08	6.40E-08	3.57E-08	-2.84E-08	1.26E-07	7.01E-08	-5.58E-08
2440	495818.3	3859943	3.26E-07	1.76E-07	-1.49E-07	1.24E-07	6.88E-08	-5.47E-08	6.28E-08	3.50E-08	-2.78E-08	1.24E-07	6.88E-08	-5.47E-08
2441	495918.3	3859943	3.22E-07	1.74E-07	-1.47E-07	1.22E-07	6.79E-08	-5.41E-08	6.20E-08	3.45E-08	-2.75E-08	1.22E-07	6.79E-08	-5.41E-08
2442	496018.3	3859943	3.21E-07	1.74E-07	-1.47E-07	1.22E-07	6.78E-08	-5.39E-08	6.19E-08	3.45E-08	-2.74E-08	1.22E-07	6.78E-08	-5.39E-08

2443	496118.3	3859943	3.12E-07	1.69E-07	-1.43E-07	1.18E-07	6.60E-08	-5.24E-08	6.02E-08	3.36E-08	-2.67E-08	1.18E-07	6.60E-08	-5.24E-08
2444	496218.3	3859943	2.99E-07	1.62E-07	-1.37E-07	1.13E-07	6.33E-08	-5.01E-08	5.77E-08	3.22E-08	-2.55E-08	1.13E-07	6.33E-08	-5.01E-08
2445	496318.3	3859943	2.87E-07	1.56E-07	-1.31E-07	1.09E-07	6.08E-08	-4.81E-08	5.53E-08	3.09E-08	-2.44E-08	1.09E-07	6.08E-08	-4.81E-08
2446	496418.3	3859943	2.72E-07	1.48E-07	-1.24E-07	1.03E-07	5.78E-08	-4.55E-08	5.26E-08	2.94E-08	-2.32E-08	1.03E-07	5.78E-08	-4.55E-08
2447	496856.8	3858864.8	1.92E-07	1.05E-07	-8.69E-08	7.28E-08	4.09E-08	-3.19E-08	3.70E-08	2.08E-08	-1.62E-08	7.28E-08	4.09E-08	-3.19E-08
2448	496956.8	3858864.8	1.90E-07	1.04E-07	-8.61E-08	7.21E-08	4.05E-08	-3.16E-08	3.67E-08	2.06E-08	-1.61E-08	7.21E-08	4.05E-08	-3.16E-08
2449	497056.8	3858864.8	1.88E-07	1.03E-07	-8.53E-08	7.14E-08	4.01E-08	-3.13E-08	3.63E-08	2.04E-08	-1.59E-08	7.14E-08	4.01E-08	-3.13E-08
2450	497156.8	3858864.8	1.86E-07	1.02E-07	-8.45E-08	7.07E-08	3.98E-08	-3.10E-08	3.60E-08	2.02E-08	-1.57E-08	7.07E-08	3.98E-08	-3.10E-08
2451	497256.8	3858864.8	1.86E-07	1.01E-07	-8.41E-08	7.04E-08	3.96E-08	-3.08E-08	3.58E-08	2.01E-08	-1.57E-08	7.04E-08	3.96E-08	-3.08E-08
2452	496856.8	3858964.8	1.98E-07	1.08E-07	-8.96E-08	7.50E-08	4.22E-08	-3.28E-08	3.81E-08	2.14E-08	-1.67E-08	7.50E-08	4.22E-08	-3.28E-08
2453	496956.8	3858964.8	1.95E-07	1.07E-07	-8.82E-08	7.40E-08	4.16E-08	-3.23E-08	3.76E-08	2.12E-08	-1.64E-08	7.40E-08	4.16E-08	-3.23E-08
2454	497056.8	3858964.8	1.93E-07	1.06E-07	-8.75E-08	7.33E-08	4.12E-08	-3.21E-08	3.73E-08	2.10E-08	-1.63E-08	7.33E-08	4.12E-08	-3.21E-08
2455	497156.8	3858964.8	1.91E-07	1.05E-07	-8.67E-08	7.26E-08	4.08E-08	-3.18E-08	3.69E-08	2.08E-08	-1.62E-08	7.26E-08	4.08E-08	-3.18E-08
2456	497256.8	3858964.8	1.92E-07	1.05E-07	-8.69E-08	7.28E-08	4.09E-08	-3.19E-08	3.70E-08	2.08E-08	-1.62E-08	7.28E-08	4.09E-08	-3.19E-08
2457	496856.8	3859064.8	2.02E-07	1.11E-07	-9.15E-08	7.67E-08	4.32E-08	-3.35E-08	3.90E-08	2.20E-08	-1.71E-08	7.67E-08	4.32E-08	-3.35E-08
2458	496956.8	3859064.8	2.00E-07	1.09E-07	-9.05E-08	7.59E-08	4.27E-08	-3.32E-08	3.86E-08	2.17E-08	-1.69E-08	7.59E-08	4.27E-08	-3.32E-08
2459	497056.8	3859064.8	1.98E-07	1.08E-07	-8.97E-08	7.52E-08	4.23E-08	-3.29E-08	3.82E-08	2.15E-08	-1.67E-08	7.52E-08	4.23E-08	-3.29E-08
2460	497156.8	3859064.8	1.97E-07	1.08E-07	-8.92E-08	7.47E-08	4.20E-08	-3.27E-08	3.80E-08	2.13E-08	-1.66E-08	7.47E-08	4.20E-08	-3.27E-08
2461	497256.8	3859064.8	1.98E-07	1.08E-07	-8.98E-08	7.52E-08	4.23E-08	-3.29E-08	3.82E-08	2.15E-08	-1.67E-08	7.52E-08	4.23E-08	-3.29E-08
2462	496856.8	3859164.8	2.06E-07	1.13E-07	-9.35E-08	7.82E-08	4.40E-08	-3.43E-08	3.98E-08	2.24E-08	-1.74E-08	7.82E-08	4.40E-08	-3.43E-08
2463	496956.8	3859164.8	2.04E-07	1.12E-07	-9.24E-08	7.74E-08	4.35E-08	-3.39E-08	3.94E-08	2.21E-08	-1.72E-08	7.74E-08	4.35E-08	-3.39E-08
2464	497056.8	3859164.8	2.03E-07	1.11E-07	-9.18E-08	7.69E-08	4.32E-08	-3.37E-08	3.91E-08	2.20E-08	-1.71E-08	7.69E-08	4.32E-08	-3.37E-08
2465	497156.8	3859164.8	2.03E-07	1.11E-07	-9.17E-08	7.69E-08	4.33E-08	-3.36E-08	3.91E-08	2.20E-08	-1.71E-08	7.69E-08	4.33E-08	-3.36E-08
2466	497256.8	3859164.8	2.05E-07	1.12E-07	-9.29E-08	7.77E-08	4.37E-08	-3.40E-08	3.95E-08	2.22E-08	-1.73E-08	7.77E-08	4.37E-08	-3.40E-08
2467	496856.8	3859264.8	2.10E-07	1.15E-07	-9.54E-08	7.98E-08	4.48E-08	-3.50E-08	4.06E-08	2.28E-08	-1.78E-08	7.98E-08	4.48E-08	-3.50E-08
2468	496956.8	3859264.8	2.09E-07	1.14E-07	-9.50E-08	7.94E-08	4.46E-08	-3.48E-08	4.04E-08	2.27E-08	-1.77E-08	7.94E-08	4.46E-08	-3.48E-08
2469	497056.8	3859264.8	2.09E-07	1.15E-07	-9.49E-08	7.94E-08	4.47E-08	-3.48E-08	4.04E-08	2.27E-08	-1.77E-08	7.94E-08	4.47E-08	-3.48E-08
2470	497156.8	3859264.8	2.09E-07	1.15E-07	-9.49E-08	7.94E-08	4.47E-08	-3.48E-08	4.04E-08	2.27E-08	-1.77E-08	7.94E-08	4.47E-08	-3.48E-08
2471	497256.8	3859264.8	2.11E-07	1.15E-07	-9.58E-08	8.01E-08	4.50E-08	-3.51E-08	4.07E-08	2.29E-08	-1.79E-08	8.01E-08	4.50E-08	-3.51E-08
2472	497088.9	3858620.9	1.75E-07	9.56E-08	-7.92E-08	6.63E-08	3.73E-08	-2.90E-08	3.37E-08	1.90E-08	-1.48E-08	6.63E-08	3.73E-08	-2.90E-08
2473	497138.9	3858620.9	1.74E-07	9.54E-08	-7.89E-08	6.61E-08	3.72E-08	-2.89E-08	3.36E-08	1.89E-08	-1.47E-08	6.61E-08	3.72E-08	-2.89E-08
2474	497188.9	3858620.9	1.74E-07	9.51E-08	-7.88E-08	6.59E-08	3.71E-08	-2.89E-08	3.35E-08	1.89E-08	-1.47E-08	6.59E-08	3.71E-08	-2.89E-08
2475	497238.9	3858620.9	1.73E-07	9.48E-08	-7.86E-08	6.58E-08	3.70E-08	-2.88E-08	3.34E-08	1.88E-08	-1.46E-08	6.58E-08	3.70E-08	-2.88E-08
2476	497088.9	3858670.9	1.77E-07	9.65E-08	-8.00E-08	6.70E-08	3.77E-08	-2.93E-08	3.41E-08	1.91E-08	-1.49E-08	6.70E-08	3.77E-08	-2.93E-08
2477	497138.9	3858670.9	1.77E-07	9.65E-08	-8.00E-08	6.70E-08	3.77E-08	-2.93E-08	3.41E-08	1.91E-08	-1.49E-08	6.70E-08	3.77E-08	-2.93E-08
2478	497188.9	3858670.9	1.76E-07	9.62E-08	-7.95E-08	6.66E-08	3.75E-08	-2.91E-08	3.39E-08	1.91E-08	-1.48E-08	6.66E-08	3.75E-08	-2.91E-08
2479	497238.9	3858670.9	1.76E-07	9.60E-08	-7.96E-08	6.66E-08	3.75E-08	-2.92E-08	3.39E-08	1.91E-08	-1.48E-08	6.66E-08	3.75E-08	-2.92E-08
2480	497088.9	3858720.9	1.80E-07	9.83E-08	-8.14E-08	6.82E-08	3.83E-08	-2.98E-08	3.47E-08	1.95E-08	-1.52E-08	6.82E-08	3.83E-08	-2.98E-08
2481	497138.9	3858720.9	1.77E-07	9.70E-08	-8.04E-08	6.73E-08	3.78E-08	-2.95E-08	3.42E-08	1.92E-08	-1.50E-08	6.73E-08	3.78E-08	-2.95E-08
2482	497188.9	3858720.9	1.77E-07	9.68E-08	-8.02E-08	6.71E-08	3.77E-08	-2.94E-08	3.41E-08	1.92E-08	-1.49E-08	6.71E-08	3.77E-08	-2.94E-08
2483	497238.9	3858720.9	1.78E-07	9.73E-08	-8.06E-08	6.75E-08	3.79E-08	-2.95E-08	3.43E-08	1.93E-08	-1.50E-08	6.75E-08	3.79E-08	-2.95E-08
2484	497088.9	3858770.9	1.81E-07	9.94E-08	-8.21E-08	6.89E-08	3.88E-08	-3.01E-08	3.50E-08	1.97E-08	-1.53E-08	6.89E-08	3.88E-08	-3.01E-08
2485	497138.9	3858770.9	1.81E-07	9.88E-08	-8.18E-08	6.85E-08	3.85E-08	-3.00E-08	3.48E-08	1.96E-08	-1.53E-08	6.85E-08	3.85E-08	-3.00E-08
2486	497188.9	3858770.9	1.80E-07	9.83E-08	-8.14E-08	6.82E-08	3.83E-08	-2.98E-08	3.47E-08	1.95E-08	-1.52E-08	6.82E-08	3.83E-08	-2.98E-08
2487	497238.9	3858770.9	1.80E-07	9.86E-08	-8.15E-08	6.83E-08	3.85E-08	-2.99E-08	3.48E-08	1.96E-08	-1.52E-08	6.83E-08	3.85E-08	-2.99E-08
2488	497396.7	3858622.6	1.76E-07	9.64E-08	-7.97E-08	6.68E-08	3.76E-08	-2.92E-08	3.40E-08	1.91E-08	-1.48E-08	6.68E-08	3.76E-08	-2.92E-08
2489	497496.7	3858622.6	1.77E-07	9.73E-08	-8.02E-08	6.73E-08	3.79E-08	-2.94E-08	3.42E-08	1.93E-08	-1.49E-08	6.73E-08	3.79E-08	-2.94E-08
2490	497596.7	3858622.6	1.81E-07	9.92E-08	-8.18E-08	6.87E-08	3.87E-08	-3.00E-08	3.49E-08	1.97E-08	-1.52E-08	6.87E-08	3.87E-08	-3.00E-08
2491	497696.7	3858622.6	1.82E-07	9.97E-08	-8.22E-08	6.90E-08	3.89E-08	-3.01E-08	3.51E-08	1.98E-08	-1.53E-08	6.90E-08	3.89E-08	-3.01E-08
2492	497796.7	3858622.6	1.84E-07	1.01E-07	-8.29E-08	6.97E-08	3.93E-08	-3.04E-08	3.54E-08	2.00E-08	-1.54E-08	6.97E-08	3.93E-08	-3.04E-08
2493	497896.7	3858622.6	1.86E-07	1.02E-07	-8.39E-08	7.06E-08	3.98E-08	-3.07E-08	3.59E-08	2.02E-08	-1.56E-08	7.06E-08	3.98E-08	-3.07E-08
2494	497396.7	3858722.6	1.81E-07	9.94E-08	-8.21E-08	6.89E-08	3.88E-08	-3.01E-08	3.50E-08	1.97E-08	-1.53E-08	6.89E-08	3.88E-08	-3.01E-08
2495	497496.7	3858722.6	1.83E-07	1.00E-07	-8.26E-08	6.94E-08	3.91E-08	-3.03E-08	3.53E-08	1.99E-08	-1.54E-08	6.94E-08	3.91E-08	-3.03E-08
2496	497596.7	3858722.6	1.86E-07	1.02E-07	-8.42E-08	7.06E-08	3.97E-08	-3.08E-08	3.59E-08	2.02E-08	-1.57E-08	7.06E-08	3.97E-08	-3.08E-08
2497	497696.7	3858722.6	1.87E-07	1.03E-07	-8.46E-08	7.11E-08	4.01E-08	-3.10E-08	3.61E-08	2.04E-08	-1.58E-08	7.11E-08	4.01E-08	-3.10E-08
2498	497796.7	3858722.6	1.88E-07	1.03E-07	-8.51E-08	7.14E-08	4.02E-08	-3.12E-08	3.63E-08	2.05E-08	-1.59E-08	7.14E-08	4.02E-08	-3.12E-08
2499	497896.7	3858722.6	1.90E-07	1.04E-07	-8.59E-08	7.21E-08	4.06E-08	-3.15E-08	3.67E-08	2.07E-08	-1.60E-08	7.21E-08	4.06E-08	-3.15E-08
2500	497396.7	3858822.6	1.86E-07	1.02E-07	-8.43E-08	7.06E-08	3.97E-08	-3.09E-08	3.59E-08	2.02E-08	-1.57E-08	7.06E-08	3.97E-08	-3.09E-08
2501	497496.7	3858822.6	1.87E-07	1.02E-07	-8.46E-08	7.09E-08	3.99E-08	-3.10E-08	3.61E-08	2.03E-08	-1.58E-08	7.09E-08	3.99E-08	-3.10E-08
2502	497596.7	3858822.6	1.90E-07	1.04E-07	-8.59E-08	7.21E-08	4.06E-08	-3.15E-08	3.67E-08	2.07E-08	-1.60E-08	7.21E-08	4.06E-08	-3.15E-08
2503	497696.7	3858822.6	1.92E-07	1.05E-07	-8.68E-08	7.28E-08	4.10E-08	-3.18E-08	3.70E-08	2.08E-08	-1.62E-08	7.28E-08	4.10E-08	-3.18E-08
2504	497796.7	3858822.6	1.92E-07	1.05E-07	-8.69E-08	7.30E-08	4.11E-08	-3.18E-08	3.71E-08	2.09E-08	-1.62E-08	7.30E-08	4.11E-08	-3.18E-08
2505	497896.7	3858822.6	1.95E-07	1.07E-07	-8.84E-08	7.41E-08	4.17E-08	-3.24E-08	3.77E-08	2.12E-08	-1.65E-08	7.41E-08	4.17E-08	-3.24E-08
2506	497396.7	3858922.6	1.90E-07	1.04E-07	-8.62E-08	7.23E-08	4.07E-08	-3.16E-08	3.68E-08	2.07E-08	-1.61E-08	7.23E-08	4.07E-08	-3.16E-08
2507	497496.7	3858922.6	1.94E-07	1.06E-07	-8.78E-08	7.35E-08	4.13E-08	-3.22E-08	3.74E-08	2.10E-08	-1.64E-08	7.35E-08	4.13E-08	-3.22E-08
2508	497596.7	3858922.6	1.93E-07	1.06E-07	-8.74E-08	7.33E-08	4.13E-08	-3.20E-08	3.73E-08	2.10E-08	-1.63E-08	7.33E-08	4.13E-08	-3.20E-08
2509	497696.7	3858922.6	1.96E-07	1.07E-07	-8.89E-08	7.45E-08	4.19E-08	-3.26E-08	3.79E-08	2.13E-08	-1.66E-08	7.45E-08	4.19E-08	-3.26E-08
2510	497796.7	3858922.6	1.99E-07	1.09E-07	-9.02E-08	7.55E-08	4.25E-08	-3.31E-08	3.84E-08	2.16E-08	-1.68E-08	7.55E-08	4.25E-08	-3.31E-08
2511	497896.7	3858922.6	2.02E-07	1.11E-07	-9.16E-08	7.67E-08	4.31E-08	-3.36E-08	3.90E-08	2.19E-08	-1.71E-08	7.67E-08	4.31E-08	-3.36E-08
2512	497364.4	3858201.5	1.63E-07	8.89E-08	-7.37E-08	6.17E-08	3.47E-08	-2.70E-08	3.14E-08	1.76E-08	-1.37E-08	6.17E-08	3.47E-08	-2.70E-08
2513	497414.4	3858201.5	1.63E-07	8.91E-08	-7.39E-08	6.18E-08	3.48E-08	-2.71E-08	3.15E-08	1.77E-08	-1.38E-08	6.18E-08	3.48E-08	-2.71E-08
2514	497464.4	3858201.5	1.64E-07	8.96E-08	-7.43E-08	6.22E-08	3.50E-08	-2.72E-08	3.16E-08	1.78E-08	-1.38E-08	6.22E-08	3.50E-08	-2.72E-08
2515	497514.4	3858201.5	1.64E-07	8.99E-08	-7.45E-08	6.24E-08	3.51E-08	-2.73E-08	3.17E-08	1.78E-08	-1.39E-08	6.24E-08	3.51E-08	-2.73E-08
2516	497564.4	3858201.5	1.64E-07	8.96E-08	-7.43E-08	6.22E-08	3.50E-08	-2.72E-08	3.16E-08	1.78E-08	-1.38E-08	6.22E-08	3.50E-08	-2.72E-08
2517	497614.4	3858201.5	1.64E-07	8.98E-08	-7.42E-08	6.22E-08	3.50E-08	-2.72E-08	3.16E-08	1.78E-08	-1.38E-08	6.22E-08	3.50E-08	-2.72E-08
2518	497364.4	3858251.5	1.65E-07	9.01E-08	-7.47E-08	6.25E-08	3.52E-08	-2.74E-08	3.18E-08	1.79E-08	-1.39E-08	6.25E-08	3.52E-08	-2.74E-08
2519	497414.4	3858251.5	1.66E-07	9.06E-08	-7.51E-08	6.29E-08	3.53E-08	-2.75E-08	3.20E-08	1.80E-08	-1.40E-08	6.29E-08	3.53E-08	-2.75E-08
2520	497464.4	3858251.5	1.65E-07	9.04E-08	-7.49E-08	6.27E-08	3.53E-08	-2.74E-08	3.19E-08	1.79E-08	-1.40E-08	6.27E-08	3.53E-08	-2.74E-08
2521	497514.4	3858251.5	1.64E-07	9.00E-08	-7.44E-08	6.24E-08	3.51E-08	-2.73E-08	3.17E-08	1.79E-08	-1.39E-08	6.24E-08	3.51E-08	-2.73E-08
2522	497564.4	3858251.5	1.64E-07	8.99E-08	-7.45E-08	6.24E-08	3.51E-08	-2.73E-08	3.17E-08	1.78E-08	-1.39E-08	6.24E-08	3.51E-08	-2.73E-08
2523	497614.4	3858251.5	1.64E-07	8.98E-08	-7.42E-08	6.22E-08	3.50E-08	-2.72E-08	3.16E-08	1.78E-08	-1.38E-08	6.22E-08	3.50E-08	-2.72E-08
2524	497364.4	3858301.5	1.66E-07	9.09E-08	-7.53E-08	6.30E-08	3.54E-08	-2.76E-08	3.21E-08	1.80E-08	-1.40E-08	6.30E-08	3.54E-08	-2.76E-08
2525	497414.4	3858301.5	1.67E-07	9.12E-08	-7.54E-08	6.32E-08	3.56E-08	-2.76E-08	3.21E-08	1.81E-08	-1.40E-08	6.32E-08	3.56E-08	-2.76E-08
2526	497464.4	3858301.5	1.66E-07	9.07E-08	-7.50E-08	6.29E-08	3.54E-08	-2.75E-08	3.20E-08	1.80E-08	-1.40E-08	6.29E-08	3.54E-08	-2.75E-08
2527	497514.4	3858301.5	1.65E-07	9.05E-08	-7.48E-08	6.27E-08	3.53E-08	-2.74E-08	3.19E-08	1.80E-08	-1.39E-08	6.27E-08	3.53E-08	-2.74E-08
2528	497564.4	3858301.5	1.65E-07	9.01E-08	-7.47E-08	6.25E-08	3.52E-08	-2.74E-08	3.18E-08	1.79E-08	-1.39E-08	6.25E-08	3.52E-08	-2.74E-08
2529	497614.4	3858301.5	1.64E-07	8.99E-08	-7.45E-08	6.24E-08	3.51E-08	-2.73E-08	3.17E-08	1.78E-08	-1.39E-08	6.24E-08	3.51E-08	-2.73E-08
2530	497364.4	3858351.5	1.68E-07	9.17E-08	-7.58E-08	6.36E-08	3.58E-08	-2.78E-08	3.23E-08	1.82E-08	-1.41E-08	6.36E-08	3.58E-08	-2.78E-08
2531	497414.4	3858351.5	1.67E-07	9.15E-08	-7.56E-08	6.34E-08	3.57E-08	-2.77E-08	3.22E-08	1.81E-08	-1.41E-08	6.34E-08	3.57E-08	-2.77E-08
2532	497464.4	3858351.5	1.67E-07	9.14E-08	-7.57E-08	6.34E-08	3.56E-08	-2.77E-08	3.22E-08	1.81E-08	-1.41E-08	6.34E-08	3.56E-08	-2.77E-08
2533	497514.4	3858351.5	1.67E-07	9.11E-08	-7.55E-08	6.32E-08	3.55E-08	-2.77E-08	3.21E-08	1.81E-08	-1.41E-08	6.32E-08	3.55E-08	-2.77E-08
2534	497564.4	3858351.5	1.66E-07	9.06E-08	-7.51E-08	6.29E-08	3.53E-08	-2.75E-08	3.20E-08	1.80E-08	-1.40E-08	6.29E-08	3.53E-08	-2.75E-08
2535	497614.4	3858351.5	1.65E-07	9.04E-08	-7.49E-08	6.27E-08	3.53E-08	-2.74E-08	3.19E-08	1.79E-08	-1.40E-08	6.27E-08	3.53E-08	-2.74E-08
2536	497364.4	3858401.5	1.68E-07	9.19E-08	-7.61E-08	6.37E-08	3.58E-08	-2.79E-08	3.24E-08	1.82E-08	-1.42E-08	6.37E-08	3.58E-08	-2.79E-08

2537	497414.4	3858401.5	1.68E-07	9.19E-08	-7.61E-08	6.37E-08	3.58E-08	-2.79E-08	3.24E-08	1.82E-08	-1.42E-08	6.37E-08	3.58E-08	-2.79E-08
2538	497464.4	3858401.5	1.68E-07	9.16E-08	-7.59E-08	6.36E-08	3.57E-08	-2.78E-08	3.23E-08	1.82E-08	-1.41E-08	6.36E-08	3.57E-08	-2.78E-08
2539	497514.4	3858401.5	1.67E-07	9.14E-08	-7.57E-08	6.34E-08	3.56E-08	-2.77E-08	3.22E-08	1.81E-08	-1.41E-08	6.34E-08	3.56E-08	-2.77E-08
2540	497564.4	3858401.5	1.68E-07	9.19E-08	-7.61E-08	6.37E-08	3.58E-08	-2.79E-08	3.24E-08	1.82E-08	-1.42E-08	6.37E-08	3.58E-08	-2.79E-08
2541	497614.4	3858401.5	1.68E-07	9.21E-08	-7.59E-08	6.37E-08	3.59E-08	-2.78E-08	3.24E-08	1.83E-08	-1.41E-08	6.37E-08	3.59E-08	-2.78E-08
2542	493478.1	3860497.9	8.21E-07	4.48E-07	-3.73E-07	3.11E-07	1.75E-07	-1.37E-07	1.58E-07	8.89E-08	-6.94E-08	3.11E-07	1.75E-07	-1.37E-07
2543	493528.1	3860497.9	8.05E-07	4.40E-07	-3.66E-07	3.05E-07	1.71E-07	-1.34E-07	1.55E-07	8.72E-08	-6.82E-08	3.05E-07	1.71E-07	-1.34E-07
2544	493478.1	3860547.9	8.54E-07	4.67E-07	-3.88E-07	3.24E-07	1.82E-07	-1.42E-07	1.65E-07	9.25E-08	-7.23E-08	3.24E-07	1.82E-07	-1.42E-07
2545	493528.1	3860547.9	8.39E-07	4.58E-07	-3.81E-07	3.18E-07	1.79E-07	-1.40E-07	1.62E-07	9.09E-08	-7.10E-08	3.18E-07	1.79E-07	-1.40E-07
2546	493478.1	3860597.9	8.90E-07	4.86E-07	-4.04E-07	3.38E-07	1.90E-07	-1.48E-07	1.72E-07	9.65E-08	-7.53E-08	3.38E-07	1.90E-07	-1.48E-07
2547	493528.1	3860597.9	8.74E-07	4.77E-07	-3.97E-07	3.31E-07	1.86E-07	-1.45E-07	1.69E-07	9.46E-08	-7.39E-08	3.31E-07	1.86E-07	-1.45E-07
2548	493561.9	3860524.6	8.12E-07	4.43E-07	-3.69E-07	3.08E-07	1.73E-07	-1.35E-07	1.57E-07	8.79E-08	-6.87E-08	3.08E-07	1.73E-07	-1.35E-07
2549	493591.9	3860524.6	8.01E-07	4.37E-07	-3.64E-07	3.04E-07	1.70E-07	-1.33E-07	1.54E-07	8.67E-08	-6.78E-08	3.04E-07	1.70E-07	-1.33E-07
2550	493561.9	3860554.6	8.33E-07	4.55E-07	-3.78E-07	3.16E-07	1.77E-07	-1.39E-07	1.61E-07	9.02E-08	-7.05E-08	3.16E-07	1.77E-07	-1.39E-07
2551	493591.9	3860554.6	8.19E-07	4.47E-07	-3.72E-07	3.11E-07	1.74E-07	-1.36E-07	1.58E-07	8.87E-08	-6.93E-08	3.11E-07	1.74E-07	-1.36E-07
2552	492880.5	3860293.1	9.65E-07	5.28E-07	-4.37E-07	3.66E-07	2.06E-07	-1.60E-07	1.86E-07	1.05E-07	-8.14E-08	3.66E-07	2.06E-07	-1.60E-07
2553	492930.5	3860293.1	9.32E-07	5.09E-07	-4.22E-07	3.53E-07	1.99E-07	-1.55E-07	1.80E-07	1.01E-07	-7.87E-08	3.53E-07	1.99E-07	-1.55E-07
2554	492980.5	3860293.1	8.99E-07	4.91E-07	-4.08E-07	3.41E-07	1.92E-07	-1.50E-07	1.74E-07	9.75E-08	-7.60E-08	3.41E-07	1.92E-07	-1.50E-07
2555	493030.5	3860293.1	8.45E-07	4.62E-07	-3.83E-07	3.21E-07	1.80E-07	-1.41E-07	1.63E-07	9.16E-08	-7.15E-08	3.21E-07	1.80E-07	-1.41E-07
2556	493080.5	3860293.1	7.94E-07	4.33E-07	-3.60E-07	3.01E-07	1.69E-07	-1.32E-07	1.53E-07	8.60E-08	-6.71E-08	3.01E-07	1.69E-07	-1.32E-07
2557	493130.5	3860293.1	7.98E-07	4.36E-07	-3.62E-07	3.03E-07	1.70E-07	-1.33E-07	1.54E-07	8.64E-08	-6.75E-08	3.03E-07	1.70E-07	-1.33E-07
2558	493180.5	3860293.1	7.97E-07	4.35E-07	-3.62E-07	3.02E-07	1.70E-07	-1.33E-07	1.54E-07	8.63E-08	-6.74E-08	3.02E-07	1.70E-07	-1.33E-07
2559	493230.5	3860293.1	7.82E-07	4.27E-07	-3.55E-07	2.97E-07	1.67E-07	-1.30E-07	1.51E-07	8.47E-08	-6.62E-08	2.97E-07	1.67E-07	-1.30E-07
2560	493280.5	3860293.1	7.53E-07	4.11E-07	-3.42E-07	2.86E-07	1.60E-07	-1.26E-07	1.45E-07	8.15E-08	-6.38E-08	2.86E-07	1.60E-07	-1.26E-07
2561	493330.5	3860293.1	7.33E-07	4.00E-07	-3.33E-07	2.78E-07	1.56E-07	-1.22E-07	1.41E-07	7.93E-08	-6.21E-08	2.78E-07	1.56E-07	-1.22E-07
2562	493380.5	3860293.1	7.16E-07	3.90E-07	-3.26E-07	2.72E-07	1.52E-07	-1.19E-07	1.38E-07	7.74E-08	-6.07E-08	2.72E-07	1.52E-07	-1.19E-07
2563	492880.5	3860343.1	1.01E-06	5.52E-07	-4.57E-07	3.83E-07	2.15E-07	-1.68E-07	1.95E-07	1.10E-07	-8.52E-08	3.83E-07	2.15E-07	-1.68E-07
2564	492930.5	3860343.1	9.76E-07	5.34E-07	-4.42E-07	3.70E-07	2.08E-07	-1.62E-07	1.88E-07	1.06E-07	-8.24E-08	3.70E-07	2.08E-07	-1.62E-07
2565	492980.5	3860343.1	9.18E-07	5.02E-07	-4.16E-07	3.48E-07	1.96E-07	-1.53E-07	1.77E-07	9.96E-08	-7.76E-08	3.48E-07	1.96E-07	-1.53E-07
2566	493030.5	3860343.1	8.89E-07	4.86E-07	-4.03E-07	3.37E-07	1.90E-07	-1.48E-07	1.72E-07	9.64E-08	-7.52E-08	3.37E-07	1.90E-07	-1.48E-07
2567	493080.5	3860343.1	8.39E-07	4.59E-07	-3.81E-07	3.18E-07	1.79E-07	-1.40E-07	1.62E-07	9.10E-08	-7.10E-08	3.18E-07	1.79E-07	-1.40E-07
2568	493130.5	3860343.1	8.27E-07	4.52E-07	-3.75E-07	3.14E-07	1.76E-07	-1.38E-07	1.60E-07	8.96E-08	-7.00E-08	3.14E-07	1.76E-07	-1.38E-07
2569	493180.5	3860343.1	8.26E-07	4.51E-07	-3.75E-07	3.14E-07	1.76E-07	-1.37E-07	1.59E-07	8.95E-08	-6.99E-08	3.14E-07	1.76E-07	-1.37E-07
2570	493230.5	3860343.1	8.12E-07	4.43E-07	-3.68E-07	3.08E-07	1.73E-07	-1.35E-07	1.57E-07	8.79E-08	-6.87E-08	3.08E-07	1.73E-07	-1.35E-07
2571	493280.5	3860343.1	7.81E-07	4.27E-07	-3.55E-07	2.96E-07	1.66E-07	-1.30E-07	1.51E-07	8.46E-08	-6.61E-08	2.96E-07	1.66E-07	-1.30E-07
2572	493330.5	3860343.1	7.57E-07	4.13E-07	-3.44E-07	2.87E-07	1.61E-07	-1.26E-07	1.46E-07	8.20E-08	-6.41E-08	2.87E-07	1.61E-07	-1.26E-07
2573	493380.5	3860343.1	7.41E-07	4.04E-07	-3.37E-07	2.81E-07	1.58E-07	-1.23E-07	1.43E-07	8.02E-08	-6.28E-08	2.81E-07	1.58E-07	-1.23E-07
2574	492880.5	3860393.1	1.06E-06	5.79E-07	-4.79E-07	4.01E-07	2.26E-07	-1.76E-07	2.04E-07	1.15E-07	-8.93E-08	4.01E-07	2.26E-07	-1.76E-07
2575	492930.5	3860393.1	1.02E-06	5.57E-07	-4.61E-07	3.86E-07	2.17E-07	-1.69E-07	1.97E-07	1.11E-07	-8.60E-08	3.86E-07	2.17E-07	-1.69E-07
2576	492980.5	3860393.1	9.71E-07	5.31E-07	-4.40E-07	3.69E-07	2.07E-07	-1.61E-07	1.87E-07	1.05E-07	-8.20E-08	3.69E-07	2.07E-07	-1.61E-07
2577	493030.5	3860393.1	9.33E-07	5.10E-07	-4.23E-07	3.54E-07	1.99E-07	-1.55E-07	1.80E-07	1.01E-07	-7.88E-08	3.54E-07	1.99E-07	-1.55E-07
2578	493080.5	3860393.1	8.80E-07	4.81E-07	-3.99E-07	3.34E-07	1.88E-07	-1.46E-07	1.70E-07	9.54E-08	-7.43E-08	3.34E-07	1.88E-07	-1.46E-07
2579	493130.5	3860393.1	8.71E-07	4.76E-07	-3.95E-07	3.30E-07	1.86E-07	-1.45E-07	1.68E-07	9.43E-08	-7.36E-08	3.30E-07	1.86E-07	-1.45E-07
2580	493180.5	3860393.1	8.67E-07	4.74E-07	-3.93E-07	3.29E-07	1.85E-07	-1.44E-07	1.67E-07	9.40E-08	-7.33E-08	3.29E-07	1.85E-07	-1.44E-07
2581	493230.5	3860393.1	8.45E-07	4.61E-07	-3.83E-07	3.21E-07	1.80E-07	-1.41E-07	1.63E-07	9.15E-08	-7.15E-08	3.21E-07	1.80E-07	-1.41E-07
2582	493280.5	3860393.1	8.12E-07	4.43E-07	-3.68E-07	3.08E-07	1.73E-07	-1.35E-07	1.57E-07	8.79E-08	-6.87E-08	3.08E-07	1.73E-07	-1.35E-07
2583	493330.5	3860393.1	7.86E-07	4.29E-07	-3.57E-07	2.98E-07	1.67E-07	-1.31E-07	1.52E-07	8.51E-08	-6.65E-08	2.98E-07	1.67E-07	-1.31E-07
2584	493380.5	3860393.1	7.67E-07	4.19E-07	-3.48E-07	2.91E-07	1.63E-07	-1.28E-07	1.48E-07	8.30E-08	-6.49E-08	2.91E-07	1.63E-07	-1.28E-07
2585	492880.5	3860443.1	1.11E-06	6.06E-07	-5.01E-07	4.20E-07	2.36E-07	-1.84E-07	2.14E-07	1.20E-07	-9.34E-08	4.20E-07	2.36E-07	-1.84E-07
2586	492930.5	3860443.1	1.07E-06	5.86E-07	-4.85E-07	4.07E-07	2.29E-07	-1.78E-07	2.07E-07	1.16E-07	-9.05E-08	4.07E-07	2.29E-07	-1.78E-07
2587	492980.5	3860443.1	1.03E-06	5.62E-07	-4.65E-07	3.90E-07	2.19E-07	-1.70E-07	1.98E-07	1.11E-07	-8.67E-08	3.90E-07	2.19E-07	-1.70E-07
2588	493030.5	3860443.1	9.86E-07	5.39E-07	-4.47E-07	3.74E-07	2.10E-07	-1.64E-07	1.90E-07	1.07E-07	-8.32E-08	3.74E-07	2.10E-07	-1.64E-07
2589	493080.5	3860443.1	9.53E-07	5.21E-07	-4.32E-07	3.62E-07	2.03E-07	-1.58E-07	1.84E-07	1.03E-07	-8.05E-08	3.62E-07	2.03E-07	-1.58E-07
2590	493130.5	3860443.1	9.24E-07	5.05E-07	-4.19E-07	3.50E-07	1.97E-07	-1.53E-07	1.78E-07	1.00E-07	-7.80E-08	3.50E-07	1.97E-07	-1.53E-07
2591	493180.5	3860443.1	9.14E-07	5.00E-07	-4.15E-07	3.47E-07	1.95E-07	-1.52E-07	1.76E-07	9.91E-08	-7.73E-08	3.47E-07	1.95E-07	-1.52E-07
2592	493230.5	3860443.1	8.77E-07	4.79E-07	-3.98E-07	3.33E-07	1.87E-07	-1.46E-07	1.69E-07	9.50E-08	-7.41E-08	3.33E-07	1.87E-07	-1.46E-07
2593	493280.5	3860443.1	8.48E-07	4.63E-07	-3.85E-07	3.22E-07	1.81E-07	-1.41E-07	1.64E-07	9.19E-08	-7.18E-08	3.22E-07	1.81E-07	-1.41E-07
2594	493330.5	3860443.1	8.16E-07	4.45E-07	-3.70E-07	3.09E-07	1.74E-07	-1.36E-07	1.57E-07	8.83E-08	-6.90E-08	3.09E-07	1.74E-07	-1.36E-07
2595	493380.5	3860443.1	8.01E-07	4.37E-07	-3.64E-07	3.04E-07	1.70E-07	-1.33E-07	1.54E-07	8.67E-08	-6.78E-08	3.04E-07	1.70E-07	-1.33E-07
2596	493180.5	3860493.1	9.50E-07	5.20E-07	-4.31E-07	3.60E-07	2.03E-07	-1.58E-07	1.83E-07	1.03E-07	-8.03E-08	3.60E-07	2.03E-07	-1.58E-07
2597	493230.5	3860493.1	9.17E-07	5.01E-07	-4.16E-07	3.48E-07	1.96E-07	-1.52E-07	1.77E-07	9.95E-08	-7.75E-08	3.48E-07	1.96E-07	-1.52E-07
2598	493280.5	3860493.1	8.85E-07	4.84E-07	-4.02E-07	3.36E-07	1.89E-07	-1.47E-07	1.71E-07	9.60E-08	-7.49E-08	3.36E-07	1.89E-07	-1.47E-07
2599	493330.5	3860493.1	8.58E-07	4.69E-07	-3.89E-07	3.26E-07	1.83E-07	-1.43E-07	1.66E-07	9.30E-08	-7.26E-08	3.26E-07	1.83E-07	-1.43E-07
2600	493380.5	3860493.1	8.42E-07	4.60E-07	-3.82E-07	3.19E-07	1.79E-07	-1.40E-07	1.62E-07	9.12E-08	-7.12E-08	3.19E-07	1.79E-07	-1.40E-07
2601	493330.5	3860543.1	8.98E-07	4.90E-07	-4.07E-07	3.40E-07	1.91E-07	-1.49E-07	1.73E-07	9.73E-08	-7.59E-08	3.40E-07	1.91E-07	-1.49E-07
2602	493380.5	3860543.1	8.80E-07	4.81E-07	-3.99E-07	3.34E-07	1.88E-07	-1.46E-07	1.70E-07	9.54E-08	-7.44E-08	3.34E-07	1.88E-07	-1.46E-07
2603	494135.9	3860876.9	9.07E-07	4.95E-07	-4.11E-07	3.44E-07	1.93E-07	-1.51E-07	1.75E-07	9.82E-08	-7.67E-08	3.44E-07	1.93E-07	-1.51E-07
2604	494185.9	3860876.9	8.92E-07	4.87E-07	-4.05E-07	3.38E-07	1.90E-07	-1.48E-07	1.72E-07	9.66E-08	-7.55E-08	3.38E-07	1.90E-07	-1.48E-07
2605	494135.9	3860926.9	9.67E-07	5.28E-07	-4.39E-07	3.67E-07	2.06E-07	-1.61E-07	1.87E-07	1.05E-07	-8.18E-08	3.67E-07	2.06E-07	-1.61E-07
2606	494185.9	3860926.9	9.50E-07	5.19E-07	-4.31E-07	3.60E-07	2.02E-07	-1.58E-07	1.83E-07	1.03E-07	-8.04E-08	3.60E-07	2.02E-07	-1.58E-07
2607	494135.9	3860976.9	1.04E-06	5.67E-07	-4.71E-07	3.94E-07	2.21E-07	-1.73E-07	2.00E-07	1.12E-07	-8.78E-08	3.94E-07	2.21E-07	-1.73E-07
2608	494185.9	3860976.9	1.02E-06	5.56E-07	-4.62E-07	3.86E-07	2.17E-07	-1.69E-07	1.96E-07	1.10E-07	-8.61E-08	3.86E-07	2.17E-07	-1.69E-07
2609	494135.9	3861026.9	1.12E-06	6.13E-07	-5.09E-07	4.26E-07	2.39E-07	-1.87E-07	2.17E-07	1.22E-07	-9.49E-08	4.26E-07	2.39E-07	-1.87E-07
2610	494185.9	3861026.9	1.10E-06	6.01E-07	-4.99E-07	4.17E-07	2.34E-07	-1.83E-07	2.12E-07	1.19E-07	-9.30E-08	4.17E-07	2.34E-07	-1.83E-07
2611	494135.9	3861076.9	1.23E-06	6.69E-07	-5.56E-07	4.65E-07	2.61E-07	-2.04E-07	2.36E-07	1.33E-07	-1.04E-07	4.65E-07	2.61E-07	-2.04E-07
2612	494185.9	3861076.9	1.20E-06	6.55E-07	-5.44E-07	4.55E-07	2.55E-07	-1.99E-07	2.31E-07	1.30E-07	-1.01E-07	4.55E-07	2.55E-07	-1.99E-07
2613	490360	3858710	8.64E-07	4.60E-07	-4.05E-07	3.28E-07	1.79E-07	-1.49E-07	1.67E-07	9.12E-08	-7.56E-08	3.28E-07	1.79E-07	-1.49E-07
2614	490410	3858710	8.40E-07	4.47E-07	-3.93E-07	3.19E-07	1.74E-07	-1.44E-07	1.62E-07	8.86E-08	-7.34E-08	3.19E-07	1.74E-07	-1.44E-07
2615	490460	3858710	8.12E-07	4.32E-07	-3.80E-07	3.08E-07	1.68E-07	-1.40E-07	1.57E-07	8.57E-08	-7.10E-08	3.08E-07	1.68E-07	-1.40E-07
2616	490510	3858710	7.90E-07	4.20E-07	-3.70E-07	3.00E-07	1.64E-07	-1.36E-07	1.52E-07	8.34E-08	-6.90E-08	3.00E-07	1.64E-07	-1.36E-07
2617	490560	3858710	7.71E-07	4.10E-07	-3.61E-07	2.92E-07	1.60E-07	-1.32E-07	1.49E-07	8.13E-08	-6.74E-08	2.92E-07	1.60E-07	-1.32E-07
2618	490610	3858710	7.51E-07	4.00E-07	-3.52E-07	2.85E-07	1.56E-07	-1.29E-07	1.45E-07	7.93E-08	-6.57E-08	2.85E-07	1.56E-07	-1.29E-07
2619	490660	3858710	7.37E-07	3.92E-07	-3.45E-07	2.80E-07	1.53E-07	-1.27E-07	1.42E-07	7.77E-08	-6.44E-08	2.80E-07	1.53E-07	-1.27E-07
2620	490710	3858710	7.16E-07	3.81E-07	-3.35E-07	2.72E-07	1.49E-07	-1.23E-07	1.38E-07	7.56E-08	-6.26E-08	2.72E-07	1.49E-07	-1.23E-07
2621	490760	3858710	6.98E-07	3.71E-07	-3.27E-07	2.65E-07	1.45E-07	-1.20E-07	1.35E-07	7.37E-08	-6.10E-08	2.65E-07	1.45E-07	-1.20E-07
2622	490810	3858710	6.81E-07	3.63E-07	-3.18E-07	2.58E-07	1.41E-07	-1.17E-07	1.31E-07	7.19E-08	-5.95E-08	2.58E-07	1.41E-07	-1.17E-07
2623	490860	3858710	6.62E-07	3.52E-07	-3.09E-07	2.51E-07	1.37E-07	-1.14E-07	1.28E-07	6.99E-08	-5.78E-08	2.51E-07	1.37E-07	-1.14E-07
2624	490360	3858760	9.00E-07	4.79E-07	-4.21E-07	3.42E-07	1.87E-07	-1.55E-07	1.74E-07	9.50E-08	-7.87E-08	3.42E-07	1.87E-07	-1.55E-07
2625	490410	3858760	8.73E-07	4.64E-07	-4.09E-07	3.31E-07	1.81E-07	-1.50E-07	1.68E-07	9.21E-08	-7.63E-08	3.31E-07	1.81E-07	-1.50E-07
2626	490460	3858760	8.45E-07	4.49E-07	-3.95E-07	3.21E-07	1.75E-07	-1.45E-07	1.63E-07	8.91E-08	-7.38E-08	3.21E-07	1.75E-07	-1.45E-07
2627	490510	3858760	8.17E-07	4.35E-07	-3.83E-07	3.10E-07	1.70E-07	-1.41E-07	1.58E-07	8.62E-08	-7.15E-08	3.10E-07	1.70E-07	-1.41E-07
2628	490560	3858760	7.94E-07	4.23E-07	-3.72E-07	3.01E-07	1.65E-07	-1.36E-07	1.53E-07	8.38E-08	-6.94E-08	3.01E-07	1.65E-07	-1.36E-07
2629	490610	3858760	7.71E-07	4.11E-07	-3.61E-07	2.93E-07	1.60E-07	-1.33E-07	1.49E-07	8.14E-08	-6.74E-08	2.93E-07	1.60E-07	-1.33E-07
2630	490660	3858760	7.51E-07	4.00E-07	-3.51E-07	2.85E-07	1.56E-07	-1.29E-07	1.45E-07	7.93E-08	-6.56E-08	2.85E-07	1.56E-07	-1.29E-07

2631	490710	3858760	7.31E-07	3.89E-07	-3.42E-07	2.77E-07	1.52E-07	-1.26E-07	1.41E-07	7.72E-08	-6.38E-08	2.77E-07	1.52E-07	-1.26E-07
2632	490760	3858760	7.10E-07	3.78E-07	-3.32E-07	2.69E-07	1.47E-07	-1.22E-07	1.37E-07	7.50E-08	-6.20E-08	2.69E-07	1.47E-07	-1.22E-07
2633	490810	3858760	6.90E-07	3.68E-07	-3.23E-07	2.62E-07	1.43E-07	-1.19E-07	1.33E-07	7.29E-08	-6.03E-08	2.62E-07	1.43E-07	-1.19E-07
2634	490860	3858760	6.74E-07	3.59E-07	-3.15E-07	2.56E-07	1.40E-07	-1.16E-07	1.30E-07	7.12E-08	-5.88E-08	2.56E-07	1.40E-07	-1.16E-07
2635	490360	3858810	9.36E-07	4.98E-07	-4.38E-07	3.55E-07	1.94E-07	-1.61E-07	1.81E-07	9.88E-08	-8.18E-08	3.55E-07	1.94E-07	-1.61E-07
2636	490410	3858810	9.05E-07	4.82E-07	-4.24E-07	3.43E-07	1.88E-07	-1.56E-07	1.75E-07	9.55E-08	-7.91E-08	3.43E-07	1.88E-07	-1.56E-07
2637	490460	3858810	8.75E-07	4.66E-07	-4.09E-07	3.32E-07	1.82E-07	-1.50E-07	1.69E-07	9.23E-08	-7.65E-08	3.32E-07	1.82E-07	-1.50E-07
2638	490510	3858810	8.50E-07	4.52E-07	-3.98E-07	3.22E-07	1.76E-07	-1.46E-07	1.64E-07	8.97E-08	-7.43E-08	3.22E-07	1.76E-07	-1.46E-07
2639	490560	3858810	8.25E-07	4.39E-07	-3.86E-07	3.13E-07	1.71E-07	-1.42E-07	1.59E-07	8.70E-08	-7.20E-08	3.13E-07	1.71E-07	-1.42E-07
2640	490610	3858810	7.97E-07	4.24E-07	-3.73E-07	3.02E-07	1.65E-07	-1.37E-07	1.54E-07	8.41E-08	-6.96E-08	3.02E-07	1.65E-07	-1.37E-07
2641	490660	3858810	7.73E-07	4.11E-07	-3.61E-07	2.93E-07	1.60E-07	-1.33E-07	1.49E-07	8.16E-08	-6.75E-08	2.93E-07	1.60E-07	-1.33E-07
2642	490710	3858810	7.49E-07	3.99E-07	-3.50E-07	2.84E-07	1.56E-07	-1.29E-07	1.44E-07	7.91E-08	-6.54E-08	2.84E-07	1.56E-07	-1.29E-07
2643	490760	3858810	7.22E-07	3.85E-07	-3.38E-07	2.74E-07	1.50E-07	-1.24E-07	1.39E-07	7.63E-08	-6.30E-08	2.74E-07	1.50E-07	-1.24E-07
2644	490810	3858810	7.07E-07	3.77E-07	-3.30E-07	2.68E-07	1.47E-07	-1.21E-07	1.36E-07	7.47E-08	-6.17E-08	2.68E-07	1.47E-07	-1.21E-07
2645	490860	3858810	6.86E-07	3.66E-07	-3.20E-07	2.60E-07	1.43E-07	-1.18E-07	1.32E-07	7.25E-08	-5.98E-08	2.60E-07	1.43E-07	-1.18E-07
2646	490360	3858860	9.71E-07	5.17E-07	-4.54E-07	3.68E-07	2.02E-07	-1.67E-07	1.87E-07	1.03E-07	-8.48E-08	3.68E-07	2.02E-07	-1.67E-07
2647	490410	3858860	9.44E-07	5.03E-07	-4.41E-07	3.58E-07	1.96E-07	-1.62E-07	1.82E-07	9.97E-08	-8.24E-08	3.58E-07	1.96E-07	-1.62E-07
2648	490460	3858860	9.09E-07	4.84E-07	-4.25E-07	3.45E-07	1.89E-07	-1.56E-07	1.75E-07	9.60E-08	-7.93E-08	3.45E-07	1.89E-07	-1.56E-07
2649	490510	3858860	8.85E-07	4.71E-07	-4.14E-07	3.36E-07	1.84E-07	-1.52E-07	1.71E-07	9.35E-08	-7.73E-08	3.36E-07	1.84E-07	-1.52E-07
2650	490560	3858860	8.55E-07	4.55E-07	-4.00E-07	3.24E-07	1.78E-07	-1.47E-07	1.65E-07	9.03E-08	-7.47E-08	3.24E-07	1.78E-07	-1.47E-07
2651	490610	3858860	8.21E-07	4.37E-07	-3.84E-07	3.11E-07	1.70E-07	-1.41E-07	1.58E-07	8.67E-08	-7.16E-08	3.11E-07	1.70E-07	-1.41E-07
2652	490660	3858860	7.95E-07	4.24E-07	-3.72E-07	3.02E-07	1.65E-07	-1.36E-07	1.53E-07	8.40E-08	-6.94E-08	3.02E-07	1.65E-07	-1.36E-07
2653	490710	3858860	7.74E-07	4.13E-07	-3.62E-07	2.94E-07	1.61E-07	-1.33E-07	1.49E-07	8.18E-08	-6.75E-08	2.94E-07	1.61E-07	-1.33E-07
2654	490760	3858860	7.46E-07	3.98E-07	-3.48E-07	2.83E-07	1.55E-07	-1.28E-07	1.44E-07	7.89E-08	-6.51E-08	2.83E-07	1.55E-07	-1.28E-07
2655	490810	3858860	7.21E-07	3.85E-07	-3.36E-07	2.74E-07	1.50E-07	-1.24E-07	1.39E-07	7.63E-08	-6.28E-08	2.74E-07	1.50E-07	-1.24E-07
2656	490860	3858860	6.97E-07	3.72E-07	-3.25E-07	2.64E-07	1.45E-07	-1.19E-07	1.34E-07	7.37E-08	-6.07E-08	2.64E-07	1.45E-07	-1.19E-07
2657	490360	3858910	1.02E-06	5.46E-07	-4.79E-07	3.89E-07	2.13E-07	-1.76E-07	1.98E-07	1.08E-07	-8.94E-08	3.89E-07	2.13E-07	-1.76E-07
2658	490410	3858910	9.89E-07	5.27E-07	-4.62E-07	3.75E-07	2.06E-07	-1.70E-07	1.91E-07	1.05E-07	-8.63E-08	3.75E-07	2.06E-07	-1.70E-07
2659	490460	3858910	9.54E-07	5.08E-07	-4.46E-07	3.62E-07	1.98E-07	-1.64E-07	1.84E-07	1.01E-07	-8.32E-08	3.62E-07	1.98E-07	-1.64E-07
2660	490510	3858910	9.18E-07	4.89E-07	-4.29E-07	3.48E-07	1.91E-07	-1.57E-07	1.77E-07	9.71E-08	-8.01E-08	3.48E-07	1.91E-07	-1.57E-07
2661	490560	3858910	8.83E-07	4.71E-07	-4.12E-07	3.35E-07	1.84E-07	-1.51E-07	1.70E-07	9.34E-08	-7.70E-08	3.35E-07	1.84E-07	-1.51E-07
2662	490610	3858910	8.49E-07	4.53E-07	-3.96E-07	3.22E-07	1.77E-07	-1.46E-07	1.64E-07	8.98E-08	-7.40E-08	3.22E-07	1.77E-07	-1.46E-07
2663	490660	3858910	8.21E-07	4.38E-07	-3.83E-07	3.11E-07	1.71E-07	-1.41E-07	1.58E-07	8.68E-08	-7.15E-08	3.11E-07	1.71E-07	-1.41E-07
2664	490710	3858910	7.92E-07	4.22E-07	-3.69E-07	3.00E-07	1.65E-07	-1.36E-07	1.53E-07	8.38E-08	-6.90E-08	3.00E-07	1.65E-07	-1.36E-07
2665	490760	3858910	7.61E-07	4.06E-07	-3.55E-07	2.89E-07	1.58E-07	-1.30E-07	1.47E-07	8.05E-08	-6.62E-08	2.89E-07	1.58E-07	-1.30E-07
2666	490810	3858910	7.37E-07	3.93E-07	-3.44E-07	2.80E-07	1.53E-07	-1.26E-07	1.42E-07	7.80E-08	-6.42E-08	2.80E-07	1.53E-07	-1.26E-07
2667	490860	3858910	7.09E-07	3.79E-07	-3.30E-07	2.69E-07	1.48E-07	-1.21E-07	1.37E-07	7.51E-08	-6.17E-08	2.69E-07	1.48E-07	-1.21E-07
2668	490360	3858960	1.07E-06	5.73E-07	-5.01E-07	4.08E-07	2.24E-07	-1.84E-07	2.07E-07	1.14E-07	-9.36E-08	4.08E-07	2.24E-07	-1.84E-07
2669	490410	3858960	1.03E-06	5.50E-07	-4.81E-07	3.91E-07	2.15E-07	-1.77E-07	1.99E-07	1.09E-07	-8.99E-08	3.91E-07	2.15E-07	-1.77E-07
2670	490460	3858960	9.89E-07	5.28E-07	-4.61E-07	3.75E-07	2.06E-07	-1.69E-07	1.91E-07	1.05E-07	-8.61E-08	3.75E-07	2.06E-07	-1.69E-07
2671	490510	3858960	9.51E-07	5.07E-07	-4.43E-07	3.61E-07	1.98E-07	-1.63E-07	1.83E-07	1.01E-07	-8.28E-08	3.61E-07	1.98E-07	-1.63E-07
2672	490560	3858960	9.15E-07	4.88E-07	-4.26E-07	3.47E-07	1.90E-07	-1.57E-07	1.76E-07	9.68E-08	-7.96E-08	3.47E-07	1.90E-07	-1.57E-07
2673	490610	3858960	8.75E-07	4.67E-07	-4.08E-07	3.32E-07	1.82E-07	-1.50E-07	1.69E-07	9.26E-08	-7.61E-08	3.32E-07	1.82E-07	-1.50E-07
2674	490660	3858960	8.50E-07	4.54E-07	-3.96E-07	3.22E-07	1.77E-07	-1.45E-07	1.64E-07	9.00E-08	-7.39E-08	3.22E-07	1.77E-07	-1.45E-07
2675	490710	3858960	8.14E-07	4.35E-07	-3.79E-07	3.09E-07	1.70E-07	-1.39E-07	1.57E-07	8.62E-08	-7.08E-08	3.09E-07	1.70E-07	-1.39E-07
2676	490760	3858960	7.83E-07	4.18E-07	-3.65E-07	2.97E-07	1.63E-07	-1.34E-07	1.51E-07	8.29E-08	-6.81E-08	2.97E-07	1.63E-07	-1.34E-07
2677	490810	3858960	7.53E-07	4.03E-07	-3.51E-07	2.86E-07	1.57E-07	-1.29E-07	1.45E-07	7.99E-08	-6.55E-08	2.86E-07	1.57E-07	-1.29E-07
2678	490860	3858960	7.23E-07	3.86E-07	-3.36E-07	2.74E-07	1.51E-07	-1.24E-07	1.39E-07	7.66E-08	-6.28E-08	2.74E-07	1.51E-07	-1.24E-07
2679	490360	3859010	1.13E-06	6.04E-07	-5.27E-07	4.29E-07	2.36E-07	-1.93E-07	2.18E-07	1.20E-07	-9.83E-08	4.29E-07	2.36E-07	-1.93E-07
2680	490410	3859010	1.08E-06	5.77E-07	-5.03E-07	4.10E-07	2.25E-07	-1.85E-07	2.08E-07	1.14E-07	-9.39E-08	4.10E-07	2.25E-07	-1.85E-07
2681	490460	3859010	1.03E-06	5.48E-07	-4.78E-07	3.89E-07	2.14E-07	-1.75E-07	1.98E-07	1.09E-07	-8.92E-08	3.89E-07	2.14E-07	-1.75E-07
2682	490510	3859010	9.77E-07	5.22E-07	-4.55E-07	3.71E-07	2.04E-07	-1.67E-07	1.89E-07	1.04E-07	-8.49E-08	3.71E-07	2.04E-07	-1.67E-07
2683	490560	3859010	9.45E-07	5.05E-07	-4.40E-07	3.58E-07	1.97E-07	-1.62E-07	1.82E-07	1.00E-07	-8.21E-08	3.58E-07	1.97E-07	-1.62E-07
2684	490610	3859010	9.02E-07	4.82E-07	-4.20E-07	3.42E-07	1.88E-07	-1.54E-07	1.74E-07	9.56E-08	-7.84E-08	3.42E-07	1.88E-07	-1.54E-07
2685	490660	3859010	8.76E-07	4.68E-07	-4.08E-07	3.32E-07	1.83E-07	-1.50E-07	1.69E-07	9.29E-08	-7.61E-08	3.32E-07	1.83E-07	-1.50E-07
2686	490710	3859010	8.36E-07	4.47E-07	-3.89E-07	3.17E-07	1.74E-07	-1.43E-07	1.61E-07	8.87E-08	-7.26E-08	3.17E-07	1.74E-07	-1.43E-07
2687	490760	3859010	8.02E-07	4.29E-07	-3.73E-07	3.04E-07	1.67E-07	-1.37E-07	1.55E-07	8.51E-08	-6.96E-08	3.04E-07	1.67E-07	-1.37E-07
2688	490810	3859010	7.69E-07	4.12E-07	-3.58E-07	2.92E-07	1.61E-07	-1.31E-07	1.48E-07	8.16E-08	-6.67E-08	2.92E-07	1.61E-07	-1.31E-07
2689	490860	3859010	7.41E-07	3.96E-07	-3.44E-07	2.81E-07	1.55E-07	-1.26E-07	1.43E-07	7.86E-08	-6.43E-08	2.81E-07	1.55E-07	-1.26E-07
2690	490360	3859060	1.19E-06	6.37E-07	-5.53E-07	4.52E-07	2.49E-07	-2.03E-07	2.30E-07	1.26E-07	-1.03E-07	4.52E-07	2.49E-07	-2.03E-07
2691	490410	3859060	1.12E-06	6.01E-07	-5.22E-07	4.26E-07	2.34E-07	-1.92E-07	2.17E-07	1.19E-07	-9.75E-08	4.26E-07	2.34E-07	-1.92E-07
2692	490460	3859060	1.07E-06	5.71E-07	-4.96E-07	4.05E-07	2.23E-07	-1.82E-07	2.06E-07	1.13E-07	-9.26E-08	4.05E-07	2.23E-07	-1.82E-07
2693	490510	3859060	1.02E-06	5.46E-07	-4.74E-07	3.87E-07	2.13E-07	-1.74E-07	1.97E-07	1.08E-07	-8.85E-08	3.87E-07	2.13E-07	-1.74E-07
2694	490560	3859060	9.70E-07	5.19E-07	-4.51E-07	3.68E-07	2.03E-07	-1.65E-07	1.87E-07	1.03E-07	-8.42E-08	3.68E-07	2.03E-07	-1.65E-07
2695	490610	3859060	9.34E-07	5.00E-07	-4.34E-07	3.54E-07	1.95E-07	-1.59E-07	1.80E-07	9.91E-08	-8.10E-08	3.54E-07	1.95E-07	-1.59E-07
2696	490660	3859060	9.00E-07	4.82E-07	-4.18E-07	3.42E-07	1.88E-07	-1.54E-07	1.74E-07	9.56E-08	-7.81E-08	3.42E-07	1.88E-07	-1.54E-07
2697	490710	3859060	8.58E-07	4.59E-07	-3.98E-07	3.25E-07	1.79E-07	-1.46E-07	1.66E-07	9.11E-08	-7.44E-08	3.25E-07	1.79E-07	-1.46E-07
2698	490760	3859060	8.21E-07	4.40E-07	-3.81E-07	3.11E-07	1.72E-07	-1.40E-07	1.58E-07	8.72E-08	-7.12E-08	3.11E-07	1.72E-07	-1.40E-07
2699	490810	3859060	7.86E-07	4.21E-07	-3.65E-07	2.98E-07	1.64E-07	-1.34E-07	1.52E-07	8.36E-08	-6.81E-08	2.98E-07	1.64E-07	-1.34E-07
2700	490860	3859060	7.56E-07	4.05E-07	-3.51E-07	2.87E-07	1.58E-07	-1.29E-07	1.46E-07	8.03E-08	-6.55E-08	2.87E-07	1.58E-07	-1.29E-07
2701	490360	3859110	1.27E-06	6.80E-07	-5.88E-07	4.81E-07	2.65E-07	-2.16E-07	2.45E-07	1.35E-07	-1.10E-07	4.81E-07	2.65E-07	-2.16E-07
2702	490410	3859110	1.19E-06	6.39E-07	-5.53E-07	4.52E-07	2.49E-07	-2.03E-07	2.30E-07	1.27E-07	-1.03E-07	4.52E-07	2.49E-07	-2.03E-07
2703	490460	3859110	1.13E-06	6.08E-07	-5.26E-07	4.30E-07	2.37E-07	-1.93E-07	2.19E-07	1.21E-07	-9.82E-08	4.30E-07	2.37E-07	-1.93E-07
2704	490510	3859110	1.06E-06	5.68E-07	-4.92E-07	4.02E-07	2.22E-07	-1.80E-07	2.04E-07	1.13E-07	-9.18E-08	4.02E-07	2.22E-07	-1.80E-07
2705	490560	3859110	1.01E-06	5.41E-07	-4.68E-07	3.83E-07	2.11E-07	-1.72E-07	1.95E-07	1.07E-07	-8.75E-08	3.83E-07	2.11E-07	-1.72E-07
2706	490610	3859110	9.60E-07	5.15E-07	-4.45E-07	3.64E-07	2.01E-07	-1.63E-07	1.85E-07	1.02E-07	-8.31E-08	3.64E-07	2.01E-07	-1.63E-07
2707	490660	3859110	9.11E-07	4.89E-07	-4.23E-07	3.46E-07	1.91E-07	-1.55E-07	1.76E-07	9.69E-08	-7.89E-08	3.46E-07	1.91E-07	-1.55E-07
2708	490710	3859110	8.78E-07	4.71E-07	-4.07E-07	3.33E-07	1.84E-07	-1.49E-07	1.69E-07	9.34E-08	-7.60E-08	3.33E-07	1.84E-07	-1.49E-07
2709	490760	3859110	8.41E-07	4.51E-07	-3.90E-07	3.19E-07	1.76E-07	-1.43E-07	1.62E-07	8.95E-08	-7.27E-08	3.19E-07	1.76E-07	-1.43E-07
2710	490810	3859110	8.03E-07	4.31E-07	-3.72E-07	3.05E-07	1.68E-07	-1.37E-07	1.55E-07	8.55E-08	-6.95E-08	3.05E-07	1.68E-07	-1.37E-07
2711	490860	3859110	7.68E-07	4.12E-07	-3.56E-07	2.91E-07	1.61E-07	-1.31E-07	1.48E-07	8.18E-08	-6.64E-08	2.91E-07	1.61E-07	-1.31E-07
2712	490360	3859160	1.36E-06	7.33E-07	-6.31E-07	5.17E-07	2.86E-07	-2.32E-07	2.63E-07	1.45E-07	-1.18E-07	5.17E-07	2.86E-07	-2.32E-07
2713	490410	3859160	1.28E-06	6.87E-07	-5.91E-07	4.85E-07	2.68E-07	-2.17E-07	2.47E-07	1.36E-07	-1.10E-07	4.85E-07	2.68E-07	-2.17E-07
2714	490460	3859160	1.20E-06	6.47E-07	-5.57E-07	4.57E-07	2.52E-07	-2.04E-07	2.32E-07	1.28E-07	-1.04E-07	4.57E-07	2.52E-07	-2.04E-07
2715	490510	3859160	1.13E-06	6.09E-07	-5.25E-07	4.31E-07	2.38E-07	-1.93E-07	2.19E-07	1.21E-07	-9.81E-08	4.31E-07	2.38E-07	-1.93E-07
2716	490560	3859160	1.06E-06	5.71E-07	-4.93E-07	4.04E-07	2.23E-07	-1.81E-07	2.05E-07	1.13E-07	-9.20E-08	4.04E-07	2.23E-07	-1.81E-07
2717	490610	3859160	1.01E-06	5.44E-07	-4.69E-07	3.85E-07	2.12E-07	-1.72E-07	1.96E-07	1.08E-07	-8.76E-08	3.85E-07	2.12E-07	-1.72E-07
2718	490660	3859160	9.42E-07	5.06E-07	-4.36E-07	3.57E-07	1.97E-07	-1.60E-07	1.82E-07	1.00E-07	-8.13E-08	3.57E-07	1.97E-07	-1.60E-07
2719	490710	3859160	9.04E-07	4.86E-07	-4.18E-07	3.43E-07	1.89E-07	-1.54E-07	1.74E-07	9.63E-08	-7.81E-08	3.43E-07	1.89E-07	-1.54E-07
2720	490760	3859160	8.55E-07	4.59E-07	-3.95E-07	3.24E-07	1.79E-07	-1.45E-07	1.65E-07	9.11E-08	-7.38E-08	3.24E-07	1.79E-07	-1.45E-07
2721	490810	3859160	8.22E-07	4.42E-07	-3.80E-07	3.12E-07	1.72E-07	-1.40E-07	1.59E-07	8.77E-08	-7.10E-08	3.12E-07	1.72E-07	-1.40E-07
2722	490860	3859160	7.90E-07	4.25E-07	-3.65E-07	3.00E-07	1.66E-07	-1.34E-07	1.52E-07	8.43E-08	-6.82E-08	3.00E-07	1.66E-07	-1.34E-07
2723	490360	3859210	1.48E-06	7.96E-07	-6.82E-07	5.61E-07	3.11E-07	-2.50E-07	2.85E-07	1.58E-07	-1.27E-07	5.61E-07	3.11E-07	-2.50E-07
2724	490410	3859210	1.40E-06	7.54E-07	-6.46E-07	5.31E-07	2.94E-07	-2.37E-07	2.70E-07	1.50E-07	-1.21E-07	5.31E-07	2.94E-07	-2.37E-07

2725	490460	3859210	1.29E-06	6.94E-07	-5.95E-07	4.89E-07	2.71E-07	-2.18E-07	2.49E-07	1.38E-07	-1.11E-07	4.89E-07	2.71E-07	-2.18E-07
2726	490510	3859210	1.21E-06	6.50E-07	-5.58E-07	4.58E-07	2.53E-07	-2.05E-07	2.33E-07	1.29E-07	-1.04E-07	4.58E-07	2.53E-07	-2.05E-07
2727	490560	3859210	1.15E-06	6.16E-07	-5.29E-07	4.35E-07	2.40E-07	-1.94E-07	2.21E-07	1.22E-07	-9.88E-08	4.35E-07	2.40E-07	-1.94E-07
2728	490610	3859210	1.08E-06	5.80E-07	-4.99E-07	4.09E-07	2.26E-07	-1.83E-07	2.08E-07	1.15E-07	-9.30E-08	4.09E-07	2.26E-07	-1.83E-07
2729	490660	3859210	1.00E-06	5.39E-07	-4.63E-07	3.80E-07	2.10E-07	-1.70E-07	1.93E-07	1.07E-07	-8.64E-08	3.80E-07	2.10E-07	-1.70E-07
2730	490710	3859210	9.51E-07	5.12E-07	-4.39E-07	3.61E-07	2.00E-07	-1.61E-07	1.83E-07	1.02E-07	-8.20E-08	3.61E-07	2.00E-07	-1.61E-07
2731	490760	3859210	9.00E-07	4.84E-07	-4.15E-07	3.41E-07	1.89E-07	-1.52E-07	1.74E-07	9.61E-08	-7.75E-08	3.41E-07	1.89E-07	-1.52E-07
2732	490810	3859210	8.75E-07	4.71E-07	-4.04E-07	3.32E-07	1.84E-07	-1.48E-07	1.69E-07	9.34E-08	-7.53E-08	3.32E-07	1.84E-07	-1.48E-07
2733	490860	3859210	8.50E-07	4.58E-07	-3.92E-07	3.22E-07	1.78E-07	-1.44E-07	1.64E-07	9.08E-08	-7.32E-08	3.22E-07	1.78E-07	-1.44E-07
2734	490360	3859260	1.61E-06	8.68E-07	-7.40E-07	6.10E-07	3.38E-07	-2.71E-07	3.10E-07	1.72E-07	-1.38E-07	6.10E-07	3.38E-07	-2.71E-07
2735	490410	3859260	1.51E-06	8.13E-07	-6.94E-07	5.71E-07	3.17E-07	-2.54E-07	2.91E-07	1.61E-07	-1.29E-07	5.71E-07	3.17E-07	-2.54E-07
2736	490460	3859260	1.42E-06	7.68E-07	-6.56E-07	5.40E-07	2.99E-07	-2.41E-07	2.75E-07	1.52E-07	-1.22E-07	5.40E-07	2.99E-07	-2.41E-07
2737	490510	3859260	1.35E-06	7.26E-07	-6.20E-07	5.10E-07	2.83E-07	-2.28E-07	2.60E-07	1.44E-07	-1.16E-07	5.10E-07	2.83E-07	-2.28E-07
2738	490560	3859260	1.26E-06	6.80E-07	-5.81E-07	4.78E-07	2.65E-07	-2.13E-07	2.43E-07	1.35E-07	-1.08E-07	4.78E-07	2.65E-07	-2.13E-07
2739	490610	3859260	1.17E-06	6.29E-07	-5.38E-07	4.42E-07	2.45E-07	-1.97E-07	2.25E-07	1.25E-07	-1.00E-07	4.42E-07	2.45E-07	-1.97E-07
2740	490660	3859260	1.12E-06	6.05E-07	-5.18E-07	4.26E-07	2.36E-07	-1.90E-07	2.17E-07	1.20E-07	-9.66E-08	4.26E-07	2.36E-07	-1.90E-07
2741	490710	3859260	1.06E-06	5.73E-07	-4.91E-07	4.04E-07	2.24E-07	-1.80E-07	2.05E-07	1.14E-07	-9.15E-08	4.04E-07	2.24E-07	-1.80E-07
2742	490760	3859260	9.97E-07	5.37E-07	-4.60E-07	3.78E-07	2.10E-07	-1.69E-07	1.92E-07	1.07E-07	-8.58E-08	3.78E-07	2.10E-07	-1.69E-07
2743	490810	3859260	9.61E-07	5.18E-07	-4.43E-07	3.65E-07	2.02E-07	-1.63E-07	1.85E-07	1.03E-07	-8.27E-08	3.65E-07	2.02E-07	-1.63E-07
2744	490860	3859260	9.29E-07	5.01E-07	-4.28E-07	3.52E-07	1.95E-07	-1.57E-07	1.79E-07	9.93E-08	-7.99E-08	3.52E-07	1.95E-07	-1.57E-07
2745	490360	3859310	1.80E-06	9.74E-07	-8.25E-07	6.83E-07	3.80E-07	-3.03E-07	3.47E-07	1.93E-07	-1.54E-07	6.83E-07	3.80E-07	-3.03E-07
2746	490410	3859310	1.68E-06	9.07E-07	-7.69E-07	6.36E-07	3.54E-07	-2.82E-07	3.23E-07	1.80E-07	-1.43E-07	6.36E-07	3.54E-07	-2.82E-07
2747	490460	3859310	1.57E-06	8.50E-07	-7.22E-07	5.96E-07	3.31E-07	-2.65E-07	3.03E-07	1.68E-07	-1.35E-07	5.96E-07	3.31E-07	-2.65E-07
2748	490510	3859310	1.49E-06	8.04E-07	-6.84E-07	5.64E-07	3.13E-07	-2.51E-07	2.87E-07	1.59E-07	-1.28E-07	5.64E-07	3.13E-07	-2.51E-07
2749	490560	3859310	1.41E-06	7.60E-07	-6.47E-07	5.34E-07	2.96E-07	-2.37E-07	2.71E-07	1.51E-07	-1.21E-07	5.34E-07	2.96E-07	-2.37E-07
2750	490610	3859310	1.34E-06	7.22E-07	-6.15E-07	5.07E-07	2.82E-07	-2.26E-07	2.58E-07	1.43E-07	-1.15E-07	5.07E-07	2.82E-07	-2.26E-07
2751	490660	3859310	1.26E-06	6.83E-07	-5.82E-07	4.80E-07	2.66E-07	-2.13E-07	2.44E-07	1.35E-07	-1.09E-07	4.80E-07	2.66E-07	-2.13E-07
2752	490710	3859310	1.17E-06	6.32E-07	-5.38E-07	4.44E-07	2.46E-07	-1.97E-07	2.26E-07	1.25E-07	-1.00E-07	4.44E-07	2.46E-07	-1.97E-07
2753	490760	3859310	1.11E-06	5.98E-07	-5.10E-07	4.20E-07	2.33E-07	-1.87E-07	2.14E-07	1.19E-07	-9.51E-08	4.20E-07	2.33E-07	-1.87E-07
2754	490810	3859310	1.06E-06	5.74E-07	-4.89E-07	4.04E-07	2.24E-07	-1.80E-07	2.05E-07	1.14E-07	-9.13E-08	4.04E-07	2.24E-07	-1.80E-07
2755	490860	3859310	1.01E-06	5.47E-07	-4.66E-07	3.84E-07	2.13E-07	-1.71E-07	1.95E-07	1.09E-07	-8.70E-08	3.84E-07	2.13E-07	-1.71E-07
2756	490360	3859360	2.05E-06	1.11E-06	-9.37E-07	7.77E-07	4.34E-07	-3.43E-07	3.95E-07	2.20E-07	-1.75E-07	7.77E-07	4.34E-07	-3.43E-07
2757	490410	3859360	1.91E-06	1.04E-06	-8.75E-07	7.26E-07	4.05E-07	-3.21E-07	3.69E-07	2.06E-07	-1.63E-07	7.26E-07	4.05E-07	-3.21E-07
2758	490460	3859360	1.80E-06	9.73E-07	-8.22E-07	6.81E-07	3.80E-07	-3.02E-07	3.46E-07	1.93E-07	-1.53E-07	6.81E-07	3.80E-07	-3.02E-07
2759	490510	3859360	1.69E-06	9.15E-07	-7.74E-07	6.41E-07	3.57E-07	-2.84E-07	3.26E-07	1.81E-07	-1.44E-07	6.41E-07	3.57E-07	-2.84E-07
2760	490560	3859360	1.58E-06	8.55E-07	-7.24E-07	5.99E-07	3.33E-07	-2.66E-07	3.05E-07	1.70E-07	-1.35E-07	5.99E-07	3.33E-07	-2.66E-07
2761	490610	3859360	1.48E-06	8.02E-07	-6.80E-07	5.62E-07	3.13E-07	-2.49E-07	2.86E-07	1.59E-07	-1.27E-07	5.62E-07	3.13E-07	-2.49E-07
2762	490660	3859360	1.40E-06	7.58E-07	-6.43E-07	5.31E-07	2.96E-07	-2.36E-07	2.70E-07	1.50E-07	-1.20E-07	5.31E-07	2.96E-07	-2.36E-07
2763	490710	3859360	1.31E-06	7.09E-07	-6.02E-07	4.98E-07	2.77E-07	-2.21E-07	2.53E-07	1.41E-07	-1.12E-07	4.98E-07	2.77E-07	-2.21E-07
2764	490760	3859360	1.23E-06	6.64E-07	-5.64E-07	4.66E-07	2.59E-07	-2.07E-07	2.37E-07	1.32E-07	-1.05E-07	4.66E-07	2.59E-07	-2.07E-07
2765	490810	3859360	1.18E-06	6.40E-07	-5.43E-07	4.49E-07	2.50E-07	-1.99E-07	2.28E-07	1.27E-07	-1.01E-07	4.49E-07	2.50E-07	-1.99E-07
2766	490860	3859360	1.13E-06	6.10E-07	-5.18E-07	4.28E-07	2.38E-07	-1.90E-07	2.18E-07	1.21E-07	-9.66E-08	4.28E-07	2.38E-07	-1.90E-07
2767	490360	3859410	2.38E-06	1.29E-06	-1.08E-06	9.02E-07	5.05E-07	-3.98E-07	4.59E-07	2.57E-07	-2.02E-07	9.02E-07	5.05E-07	-3.98E-07
2768	490410	3859410	2.21E-06	1.20E-06	-1.01E-06	8.39E-07	4.69E-07	-3.70E-07	4.27E-07	2.39E-07	-1.88E-07	8.39E-07	4.69E-07	-3.70E-07
2769	490460	3859410	2.06E-06	1.12E-06	-9.43E-07	7.83E-07	4.37E-07	-3.46E-07	3.98E-07	2.22E-07	-1.76E-07	7.83E-07	4.37E-07	-3.46E-07
2770	490510	3859410	1.93E-06	1.05E-06	-8.82E-07	7.32E-07	4.09E-07	-3.23E-07	3.72E-07	2.08E-07	-1.64E-07	7.32E-07	4.09E-07	-3.23E-07
2771	490560	3859410	1.81E-06	9.82E-07	-8.27E-07	6.86E-07	3.83E-07	-3.03E-07	3.49E-07	1.95E-07	-1.54E-07	6.86E-07	3.83E-07	-3.03E-07
2772	490610	3859410	1.70E-06	9.22E-07	-7.78E-07	6.45E-07	3.60E-07	-2.85E-07	3.28E-07	1.83E-07	-1.45E-07	6.45E-07	3.60E-07	-2.85E-07
2773	490660	3859410	1.58E-06	8.56E-07	-7.23E-07	5.99E-07	3.34E-07	-2.65E-07	3.05E-07	1.70E-07	-1.35E-07	5.99E-07	3.34E-07	-2.65E-07
2774	490710	3859410	1.48E-06	8.01E-07	-6.77E-07	5.61E-07	3.12E-07	-2.48E-07	2.85E-07	1.59E-07	-1.26E-07	5.61E-07	3.12E-07	-2.48E-07
2775	490760	3859410	1.37E-06	7.45E-07	-6.30E-07	5.22E-07	2.91E-07	-2.31E-07	2.65E-07	1.48E-07	-1.17E-07	5.22E-07	2.91E-07	-2.31E-07
2776	490810	3859410	1.32E-06	7.14E-07	-6.04E-07	5.00E-07	2.79E-07	-2.22E-07	2.54E-07	1.42E-07	-1.13E-07	5.00E-07	2.79E-07	-2.22E-07
2777	490860	3859410	1.27E-06	6.90E-07	-5.83E-07	4.83E-07	2.69E-07	-2.14E-07	2.46E-07	1.37E-07	-1.09E-07	4.83E-07	2.69E-07	-2.14E-07
2778	490360	3859460	2.84E-06	1.55E-06	-1.29E-06	1.08E-06	6.04E-07	-4.74E-07	5.48E-07	3.07E-07	-2.41E-07	1.08E-06	6.04E-07	-4.74E-07
2779	490410	3859460	2.60E-06	1.42E-06	-1.18E-06	9.87E-07	5.53E-07	-4.34E-07	5.02E-07	2.81E-07	-2.21E-07	9.87E-07	5.53E-07	-4.34E-07
2780	490460	3859460	2.41E-06	1.31E-06	-1.10E-06	9.15E-07	5.12E-07	-4.03E-07	4.65E-07	2.60E-07	-2.05E-07	9.15E-07	5.12E-07	-4.03E-07
2781	490510	3859460	2.24E-06	1.22E-06	-1.02E-06	8.50E-07	4.76E-07	-3.74E-07	4.32E-07	2.42E-07	-1.90E-07	8.50E-07	4.76E-07	-3.74E-07
2782	490560	3859460	2.09E-06	1.14E-06	-9.53E-07	7.93E-07	4.44E-07	-3.49E-07	4.03E-07	2.26E-07	-1.78E-07	7.93E-07	4.44E-07	-3.49E-07
2783	490610	3859460	1.95E-06	1.06E-06	-8.89E-07	7.39E-07	4.13E-07	-3.26E-07	3.76E-07	2.10E-07	-1.66E-07	7.39E-07	4.13E-07	-3.26E-07
2784	490660	3859460	1.81E-06	9.86E-07	-8.28E-07	6.88E-07	3.85E-07	-3.04E-07	3.50E-07	1.96E-07	-1.54E-07	6.88E-07	3.85E-07	-3.04E-07
2785	490710	3859460	1.70E-06	9.26E-07	-7.78E-07	6.47E-07	3.61E-07	-2.85E-07	3.29E-07	1.84E-07	-1.45E-07	6.47E-07	3.61E-07	-2.85E-07
2786	490760	3859460	1.60E-06	8.68E-07	-7.30E-07	6.06E-07	3.39E-07	-2.68E-07	3.08E-07	1.72E-07	-1.36E-07	6.06E-07	3.39E-07	-2.68E-07
2787	490810	3859460	1.50E-06	8.16E-07	-6.86E-07	5.70E-07	3.18E-07	-2.52E-07	2.90E-07	1.62E-07	-1.28E-07	5.70E-07	3.18E-07	-2.52E-07
2788	490860	3859460	1.44E-06	7.80E-07	-6.57E-07	5.45E-07	3.04E-07	-2.41E-07	2.77E-07	1.55E-07	-1.23E-07	5.45E-07	3.04E-07	-2.41E-07
2789	490360	3859510	3.55E-06	1.94E-06	-1.61E-06	1.35E-06	7.56E-07	-5.90E-07	6.84E-07	3.84E-07	-3.00E-07	1.35E-06	7.56E-07	-5.90E-07
2790	490410	3859510	3.21E-06	1.75E-06	-1.46E-06	1.22E-06	6.84E-07	-5.34E-07	6.19E-07	3.48E-07	-2.71E-07	1.22E-06	6.84E-07	-5.34E-07
2791	490460	3859510	2.92E-06	1.59E-06	-1.32E-06	1.11E-06	6.21E-07	-4.86E-07	5.63E-07	3.16E-07	-2.47E-07	1.11E-06	6.21E-07	-4.86E-07
2792	490510	3859510	2.68E-06	1.46E-06	-1.22E-06	1.02E-06	5.70E-07	-4.46E-07	5.17E-07	2.90E-07	-2.27E-07	1.02E-06	5.70E-07	-4.46E-07
2793	490560	3859510	2.47E-06	1.35E-06	-1.12E-06	9.39E-07	5.27E-07	-4.12E-07	4.77E-07	2.68E-07	-2.10E-07	9.39E-07	5.27E-07	-4.12E-07
2794	490610	3859510	2.29E-06	1.25E-06	-1.04E-06	8.68E-07	4.86E-07	-3.81E-07	4.41E-07	2.47E-07	-1.94E-07	8.68E-07	4.86E-07	-3.81E-07
2795	490660	3859510	2.12E-06	1.16E-06	-9.65E-07	8.05E-07	4.51E-07	-3.54E-07	4.09E-07	2.29E-07	-1.80E-07	8.05E-07	4.51E-07	-3.54E-07
2796	490710	3859510	1.97E-06	1.07E-06	-8.97E-07	7.48E-07	4.19E-07	-3.29E-07	3.80E-07	2.13E-07	-1.67E-07	7.48E-07	4.19E-07	-3.29E-07
2797	490760	3859510	1.84E-06	1.00E-06	-8.39E-07	6.99E-07	3.91E-07	-3.07E-07	3.55E-07	1.99E-07	-1.56E-07	6.99E-07	3.91E-07	-3.07E-07
2798	490810	3859510	1.73E-06	9.44E-07	-7.90E-07	6.58E-07	3.68E-07	-2.90E-07	3.35E-07	1.87E-07	-1.47E-07	6.58E-07	3.68E-07	-2.90E-07
2799	490860	3859510	1.63E-06	8.88E-07	-7.44E-07	6.19E-07	3.46E-07	-2.73E-07	3.15E-07	1.76E-07	-1.39E-07	6.19E-07	3.46E-07	-2.73E-07
2800	490360	3859560	4.71E-06	2.58E-06	-2.13E-06	1.79E-06	1.01E-06	-7.81E-07	9.09E-07	5.12E-07	-3.97E-07	1.79E-06	1.01E-06	-7.81E-07
2801	490410	3859560	4.18E-06	2.29E-06	-1.89E-06	1.58E-06	8.92E-07	-6.92E-07	8.06E-07	4.54E-07	-3.52E-07	1.58E-06	8.92E-07	-6.92E-07
2802	490460	3859560	3.73E-06	2.04E-06	-1.69E-06	1.41E-06	7.96E-07	-6.18E-07	7.19E-07	4.05E-07	-3.14E-07	1.41E-06	7.96E-07	-6.18E-07
2803	490510	3859560	3.33E-06	1.82E-06	-1.51E-06	1.26E-06	7.11E-07	-5.52E-07	6.42E-07	3.61E-07	-2.81E-07	1.26E-06	7.11E-07	-5.52E-07
2804	490560	3859560	3.03E-06	1.66E-06	-1.37E-06	1.15E-06	6.47E-07	-5.03E-07	5.85E-07	3.29E-07	-2.56E-07	1.15E-06	6.47E-07	-5.03E-07
2805	490610	3859560	2.77E-06	1.51E-06	-1.25E-06	1.05E-06	5.91E-07	-4.59E-07	5.34E-07	3.00E-07	-2.34E-07	1.05E-06	5.91E-07	-4.59E-07
2806	490660	3859560	2.54E-06	1.39E-06	-1.15E-06	9.64E-07	5.42E-07	-4.22E-07	4.90E-07	2.76E-07	-2.15E-07	9.64E-07	5.42E-07	-4.22E-07
2807	490710	3859560	2.34E-06	1.28E-06	-1.06E-06	8.87E-07	4.98E-07	-3.89E-07	4.51E-07	2.53E-07	-1.98E-07	8.87E-07	4.98E-07	-3.89E-07
2808	490760	3859560	2.15E-06	1.17E-06	-9.75E-07	8.15E-07	4.58E-07	-3.57E-07	4.15E-07	2.33E-07	-1.82E-07	8.15E-07	4.58E-07	-3.57E-07
2809	490810	3859560	2.00E-06	1.09E-06	-9.06E-07	7.57E-07	4.25E-07	-3.32E-07	3.85E-07	2.16E-07	-1.69E-07	7.57E-07	4.25E-07	-3.32E-07
2810	490860	3859560	1.86E-06	1.01E-06	-8.45E-07	7.05E-07	3.96E-07	-3.10E-07	3.59E-07	2.01E-07	-1.57E-07	7.05E-07	3.96E-07	-3.10E-07
2811	490187.3	3859422.1	3.39E-06	1.85E-06	-1.54E-06	1.29E-06	7.23E-07	-5.64E-07	6.54E-07	3.68E-07	-2.87E-07	1.29E-06	7.23E-07	-5.64E-07
2812	490237.3	3859422.1	3.07E-06	1.68E-06	-1.40E-06	1.16E-06	6.53E-07	-5.11E-07	5.92E-07	3.32E-07	-2.60E-07	1.16E-06	6.53E-07	-5.11E-07
2813	490287.3	3859422.1	2.80E-06	1.53E-06	-1.27E-06	1.06E-06	5.96E-07	-4.67E-07	5.40E-07	3.03E-07	-2.38E-07	1.06E-06	5.96E-07	-4.67E-07
2814	490337.3	3859422.1	2.56E-06	1.40E-06	-1.17E-06	9.73E-07	5.44E-07	-4.28E-07	4.95E-07	2.77E-07	-2.18E-07	9.73E-07	5.44E-07	-4.28E-07
2815	490187.3	3859472.1	4.27E-06	2.33E-06	-1.93E-06	1.62E-06	9.11E-07	-7.08E-07	8.23E-07	4.63E-07	-3.60E-07	1.62E-06	9.11E-07	-7.08E-07
2816	490237.3	3859472.1	3.81E-06	2.08E-06	-1.73E-06	1.44E-06	8.11E-07	-6.33E-07	7.34E-07	4.13E-07	-3.22E-07	1.44E-06	8.11E-07	-6.33E-07
2817	490287.3	3859472.1	3.42E-06	1.87E-06	-1.55E-06	1.30E-06	7.28E-07	-5.69E-07	6.59E-07	3.70E-07	-2.89E-07	1.30E-06	7.28E-07	-5.69E-07
2818	490337.3	3859472.1	3.11E-06	1.70E-06	-1.41E-06	1.18E-06	6.62E-07	-5.18E-07	6.00E-07	3.37E-07	-2.63E-07	1.18E-06	6.62E-07	-5.18E-07

2819	490297.1	3859500.4	3.85E-06	2.10E-06	-1.74E-06	1.46E-06	8.20E-07	-6.40E-07	7.42E-07	4.17E-07	-3.25E-07	1.46E-06	8.20E-07	-6.40E-07
2820	490327.1	3859500.4	3.62E-06	1.98E-06	-1.64E-06	1.38E-06	7.72E-07	-6.03E-07	6.99E-07	3.93E-07	-3.07E-07	1.38E-06	7.72E-07	-6.03E-07
2821	490297.1	3859530.4	4.57E-06	2.50E-06	-2.07E-06	1.74E-06	9.76E-07	-7.60E-07	8.82E-07	4.96E-07	-3.86E-07	1.74E-06	9.76E-07	-7.60E-07
2822	490327.1	3859530.4	4.26E-06	2.33E-06	-1.93E-06	1.61E-06	9.08E-07	-7.07E-07	8.21E-07	4.62E-07	-3.59E-07	1.61E-06	9.08E-07	-7.07E-07
2823	490319.7	3859055.3	1.24E-06	6.64E-07	-5.77E-07	4.71E-07	2.59E-07	-2.12E-07	2.39E-07	1.32E-07	-1.08E-07	4.71E-07	2.59E-07	-2.12E-07
2824	490319.7	3859105.3	1.32E-06	7.09E-07	-6.13E-07	5.01E-07	2.76E-07	-2.25E-07	2.55E-07	1.41E-07	-1.14E-07	5.01E-07	2.76E-07	-2.25E-07
2825	490069.7	3859155.3	1.87E-06	1.01E-06	-8.65E-07	7.11E-07	3.94E-07	-3.17E-07	3.62E-07	2.00E-07	-1.61E-07	7.11E-07	3.94E-07	-3.17E-07
2826	490119.7	3859155.3	1.77E-06	9.52E-07	-8.17E-07	6.71E-07	3.71E-07	-3.00E-07	3.41E-07	1.89E-07	-1.52E-07	6.71E-07	3.71E-07	-3.00E-07
2827	490269.7	3859155.3	1.51E-06	8.14E-07	-7.00E-07	5.74E-07	3.17E-07	-2.57E-07	2.92E-07	1.61E-07	-1.31E-07	5.74E-07	3.17E-07	-2.57E-07
2828	490319.7	3859155.3	1.43E-06	7.66E-07	-6.59E-07	5.41E-07	2.99E-07	-2.42E-07	2.75E-07	1.52E-07	-1.23E-07	5.41E-07	2.99E-07	-2.42E-07
2829	490069.7	3859205.3	2.11E-06	1.14E-06	-9.69E-07	7.99E-07	4.44E-07	-3.55E-07	4.06E-07	2.26E-07	-1.81E-07	7.99E-07	4.44E-07	-3.55E-07
2830	490119.7	3859205.3	1.99E-06	1.07E-06	-9.15E-07	7.54E-07	4.18E-07	-3.36E-07	3.83E-07	2.13E-07	-1.71E-07	7.54E-07	4.18E-07	-3.36E-07
2831	490169.7	3859205.3	1.87E-06	1.01E-06	-8.62E-07	7.10E-07	3.94E-07	-3.16E-07	3.61E-07	2.00E-07	-1.61E-07	7.10E-07	3.94E-07	-3.16E-07
2832	490219.7	3859205.3	1.75E-06	9.44E-07	-8.07E-07	6.64E-07	3.68E-07	-2.96E-07	3.38E-07	1.87E-07	-1.51E-07	6.64E-07	3.68E-07	-2.96E-07
2833	490269.7	3859205.3	1.63E-06	8.81E-07	-7.54E-07	6.20E-07	3.43E-07	-2.77E-07	3.15E-07	1.75E-07	-1.41E-07	6.20E-07	3.43E-07	-2.77E-07
2834	490319.7	3859205.3	1.54E-06	8.31E-07	-7.12E-07	5.85E-07	3.24E-07	-2.61E-07	2.98E-07	1.65E-07	-1.33E-07	5.85E-07	3.24E-07	-2.61E-07
2835	490069.7	3859255.3	2.39E-06	1.29E-06	-1.09E-06	9.06E-07	5.05E-07	-4.01E-07	4.61E-07	2.57E-07	-2.04E-07	9.06E-07	5.05E-07	-4.01E-07
2836	490119.7	3859255.3	2.23E-06	1.21E-06	-1.02E-06	8.47E-07	4.72E-07	-3.75E-07	4.31E-07	2.40E-07	-1.91E-07	8.47E-07	4.72E-07	-3.75E-07
2837	490169.7	3859255.3	2.09E-06	1.13E-06	-9.58E-07	7.92E-07	4.41E-07	-3.51E-07	4.03E-07	2.24E-07	-1.79E-07	7.92E-07	4.41E-07	-3.51E-07
2838	490219.7	3859255.3	1.94E-06	1.05E-06	-8.93E-07	7.37E-07	4.10E-07	-3.28E-07	3.75E-07	2.08E-07	-1.67E-07	7.37E-07	4.10E-07	-3.28E-07
2839	490269.7	3859255.3	1.81E-06	9.78E-07	-8.32E-07	6.87E-07	3.82E-07	-3.05E-07	3.49E-07	1.94E-07	-1.55E-07	6.87E-07	3.82E-07	-3.05E-07
2840	490319.7	3859255.3	1.70E-06	9.18E-07	-7.82E-07	6.45E-07	3.58E-07	-2.87E-07	3.28E-07	1.82E-07	-1.46E-07	6.45E-07	3.58E-07	-2.87E-07
2841	490069.7	3859305.3	2.76E-06	1.50E-06	-1.26E-06	1.05E-06	5.87E-07	-4.62E-07	5.33E-07	2.98E-07	-2.35E-07	1.05E-06	5.87E-07	-4.62E-07
2842	490119.7	3859305.3	2.56E-06	1.39E-06	-1.17E-06	9.70E-07	5.42E-07	-4.28E-07	4.93E-07	2.76E-07	-2.18E-07	9.70E-07	5.42E-07	-4.28E-07
2843	490169.7	3859305.3	2.37E-06	1.29E-06	-1.08E-06	8.99E-07	5.02E-07	-3.97E-07	4.57E-07	2.55E-07	-2.02E-07	8.99E-07	5.02E-07	-3.97E-07
2844	490219.7	3859305.3	2.20E-06	1.19E-06	-1.01E-06	8.33E-07	4.65E-07	-3.69E-07	4.24E-07	2.36E-07	-1.87E-07	8.33E-07	4.65E-07	-3.69E-07
2845	490269.7	3859305.3	2.04E-06	1.10E-06	-9.34E-07	7.73E-07	4.31E-07	-3.43E-07	3.93E-07	2.19E-07	-1.74E-07	7.73E-07	4.31E-07	-3.43E-07
2846	490319.7	3859305.3	1.89E-06	1.02E-06	-8.67E-07	7.17E-07	3.99E-07	-3.18E-07	3.65E-07	2.03E-07	-1.62E-07	7.17E-07	3.99E-07	-3.18E-07
2847	490069.7	3859355.3	3.31E-06	1.80E-06	-1.50E-06	1.25E-06	7.04E-07	-5.50E-07	6.38E-07	3.58E-07	-2.80E-07	1.25E-06	7.04E-07	-5.50E-07
2848	490119.7	3859355.3	3.01E-06	1.64E-06	-1.37E-06	1.14E-06	6.41E-07	-5.02E-07	5.81E-07	3.26E-07	-2.55E-07	1.14E-06	6.41E-07	-5.02E-07
2849	490169.7	3859355.3	2.76E-06	1.50E-06	-1.26E-06	1.05E-06	5.85E-07	-4.60E-07	5.32E-07	2.98E-07	-2.34E-07	1.05E-06	5.85E-07	-4.60E-07
2850	490219.7	3859355.3	2.53E-06	1.37E-06	-1.15E-06	9.58E-07	5.36E-07	-4.22E-07	4.87E-07	2.73E-07	-2.15E-07	9.58E-07	5.36E-07	-4.22E-07
2851	490269.7	3859355.3	2.33E-06	1.27E-06	-1.07E-06	8.85E-07	4.94E-07	-3.91E-07	4.50E-07	2.51E-07	-1.99E-07	8.85E-07	4.94E-07	-3.91E-07
2852	490319.7	3859355.3	2.15E-06	1.17E-06	-9.84E-07	8.17E-07	4.56E-07	-3.61E-07	4.15E-07	2.32E-07	-1.84E-07	8.17E-07	4.56E-07	-3.61E-07
2853	490069.7	3859405.3	4.10E-06	2.25E-06	-1.86E-06	1.56E-06	8.76E-07	-6.80E-07	7.91E-07	4.45E-07	-3.46E-07	1.56E-06	8.76E-07	-6.80E-07
2854	490119.7	3859405.3	3.65E-06	2.00E-06	-1.66E-06	1.39E-06	7.79E-07	-6.07E-07	7.05E-07	3.96E-07	-3.09E-07	1.39E-06	7.79E-07	-6.07E-07
2855	490169.7	3859405.3	3.29E-06	1.80E-06	-1.49E-06	1.25E-06	7.00E-07	-5.47E-07	6.34E-07	3.56E-07	-2.78E-07	1.25E-06	7.00E-07	-5.47E-07
2856	490219.7	3859405.3	2.99E-06	1.63E-06	-1.36E-06	1.13E-06	6.35E-07	-4.97E-07	5.76E-07	3.23E-07	-2.53E-07	1.13E-06	6.35E-07	-4.97E-07
2857	490269.7	3859405.3	2.72E-06	1.48E-06	-1.24E-06	1.03E-06	5.78E-07	-4.54E-07	5.25E-07	2.94E-07	-2.31E-07	1.03E-06	5.78E-07	-4.54E-07
2858	490319.7	3859405.3	2.49E-06	1.36E-06	-1.14E-06	9.45E-07	5.29E-07	-4.16E-07	4.81E-07	2.69E-07	-2.12E-07	9.45E-07	5.29E-07	-4.16E-07
2859	490161.9	3859541.8	7.46E-06	4.08E-06	-3.38E-06	2.83E-06	1.59E-06	-1.24E-06	1.44E-06	8.09E-07	-6.30E-07	2.83E-06	1.59E-06	-1.24E-06
2860	490171.9	3859541.8	7.19E-06	3.94E-06	-3.26E-06	2.73E-06	1.53E-06	-1.19E-06	1.39E-06	7.81E-07	-6.08E-07	2.73E-06	1.53E-06	-1.19E-06
2861	490161.9	3859551.8	8.24E-06	4.50E-06	-3.73E-06	3.12E-06	1.76E-06	-1.37E-06	1.59E-06	8.93E-07	-6.96E-07	3.12E-06	1.76E-06	-1.37E-06
2862	490171.9	3859551.8	7.92E-06	4.33E-06	-3.59E-06	3.01E-06	1.69E-06	-1.32E-06	1.53E-06	8.59E-07	-6.69E-07	3.01E-06	1.69E-06	-1.32E-06
2863	489799.7	3859348.2	7.00E-06	3.86E-06	-3.14E-06	2.65E-06	1.51E-06	-1.15E-06	1.35E-06	7.66E-07	-5.84E-07	2.65E-06	1.51E-06	-1.15E-06
2864	489819.7	3859348.2	6.44E-06	3.55E-06	-2.89E-06	2.44E-06	1.38E-06	-1.06E-06	1.24E-06	7.04E-07	-5.38E-07	2.44E-06	1.38E-06	-1.06E-06
2865	489799.7	3859368.2	8.32E-06	4.60E-06	-3.72E-06	3.16E-06	1.79E-06	-1.36E-06	1.60E-06	9.13E-07	-6.92E-07	3.16E-06	1.79E-06	-1.36E-06
2866	489819.7	3859368.2	7.54E-06	4.17E-06	-3.37E-06	2.86E-06	1.62E-06	-1.24E-06	1.45E-06	8.26E-07	-6.28E-07	2.86E-06	1.62E-06	-1.24E-06
2867	489775.4	3859329.7	6.73E-06	3.71E-06	-3.02E-06	2.55E-06	1.45E-06	-1.11E-06	1.30E-06	7.36E-07	-5.62E-07	2.55E-06	1.45E-06	-1.11E-06
2868	489795.4	3859329.7	6.20E-06	3.42E-06	-2.79E-06	2.35E-06	1.33E-06	-1.02E-06	1.20E-06	6.78E-07	-5.19E-07	2.35E-06	1.33E-06	-1.02E-06
2869	489775.4	3859349.7	7.94E-06	4.39E-06	-3.55E-06	3.01E-06	1.71E-06	-1.30E-06	1.53E-06	8.70E-07	-6.61E-07	3.01E-06	1.71E-06	-1.30E-06
2870	489795.4	3859349.7	7.22E-06	3.99E-06	-3.23E-06	2.74E-06	1.55E-06	-1.18E-06	1.39E-06	7.91E-07	-6.02E-07	2.74E-06	1.55E-06	-1.18E-06
2871	489595.1	3859219.4	6.19E-06	3.41E-06	-2.78E-06	2.35E-06	1.33E-06	-1.02E-06	1.19E-06	6.76E-07	-5.18E-07	2.35E-06	1.33E-06	-1.02E-06
2872	489615.1	3859219.4	5.73E-06	3.15E-06	-2.58E-06	2.17E-06	1.23E-06	-9.46E-07	1.11E-06	6.25E-07	-4.81E-07	2.17E-06	1.23E-06	-9.46E-07
2873	489595.1	3859239.4	7.21E-06	3.98E-06	-3.23E-06	2.74E-06	1.55E-06	-1.18E-06	1.39E-06	7.89E-07	-6.02E-07	2.74E-06	1.55E-06	-1.18E-06
2874	489615.1	3859239.4	6.61E-06	3.64E-06	-2.97E-06	2.51E-06	1.42E-06	-1.09E-06	1.27E-06	7.22E-07	-5.53E-07	2.51E-06	1.42E-06	-1.09E-06
2875	489372.4	3859092.6	6.01E-06	3.36E-06	-2.65E-06	2.28E-06	1.31E-06	-9.69E-07	1.16E-06	6.67E-07	-4.93E-07	2.28E-06	1.31E-06	-9.69E-07
2876	489422.4	3859092.6	5.05E-06	2.80E-06	-2.25E-06	1.91E-06	1.09E-06	-8.24E-07	9.74E-07	5.55E-07	-4.19E-07	1.91E-06	1.09E-06	-8.24E-07
2877	489372.4	3859142.6	9.09E-06	5.17E-06	-3.92E-06	3.45E-06	2.02E-06	-1.43E-06	1.75E-06	1.03E-06	-7.28E-07	3.45E-06	2.02E-06	-1.43E-06
2878	489422.4	3859142.6	7.11E-06	3.98E-06	-3.12E-06	2.70E-06	1.55E-06	-1.14E-06	1.37E-06	7.90E-07	-5.81E-07	2.70E-06	1.55E-06	-1.14E-06
2879	488870.8	3858666.6	2.95E-06	1.85E-06	-1.09E-06	1.12E-06	7.22E-07	-3.95E-07	5.68E-07	3.67E-07	-2.01E-07	1.12E-06	7.22E-07	-3.95E-07
2880	488900.8	3858666.6	2.79E-06	1.72E-06	-1.07E-06	1.06E-06	6.71E-07	-3.88E-07	5.38E-07	3.41E-07	-1.97E-07	1.06E-06	6.71E-07	-3.88E-07
2881	488870.8	3858696.6	3.28E-06	2.09E-06	-1.19E-06	1.24E-06	8.14E-07	-4.30E-07	6.33E-07	4.14E-07	-2.19E-07	1.24E-06	8.14E-07	-4.30E-07
2882	488900.8	3858696.6	3.09E-06	1.92E-06	-1.17E-06	1.17E-06	7.49E-07	-4.22E-07	5.96E-07	3.81E-07	-2.15E-07	1.17E-06	7.49E-07	-4.22E-07
2883	488889.7	3858684	3.02E-06	1.88E-06	-1.13E-06	1.14E-06	7.34E-07	-4.10E-07	5.82E-07	3.73E-07	-2.09E-07	1.14E-06	7.34E-07	-4.10E-07
2884	488919.7	3858684	2.86E-06	1.75E-06	-1.11E-06	1.08E-06	6.82E-07	-4.01E-07	5.51E-07	3.47E-07	-2.04E-07	1.08E-06	6.82E-07	-4.01E-07
2885	488889.7	3858714	3.37E-06	2.13E-06	-1.24E-06	1.28E-06	8.31E-07	-4.47E-07	6.50E-07	4.22E-07	-2.27E-07	1.28E-06	8.31E-07	-4.47E-07
2886	488919.7	3858714	3.17E-06	1.96E-06	-1.21E-06	1.20E-06	7.64E-07	-4.36E-07	6.11E-07	3.89E-07	-2.22E-07	1.20E-06	7.64E-07	-4.36E-07
2887	488906.6	3858703.3	3.13E-06	1.94E-06	-1.18E-06	1.19E-06	7.58E-07	-4.28E-07	6.03E-07	3.85E-07	-2.18E-07	1.19E-06	7.58E-07	-4.28E-07
2888	488936.6	3858703.3	2.95E-06	1.80E-06	-1.15E-06	1.12E-06	7.02E-07	-4.17E-07	5.69E-07	3.57E-07	-2.12E-07	1.12E-06	7.02E-07	-4.17E-07
2889	488906.6	3858733.3	3.50E-06	2.21E-06	-1.29E-06	1.33E-06	8.62E-07	-4.65E-07	6.75E-07	4.38E-07	-2.37E-07	1.33E-06	8.62E-07	-4.65E-07
2890	488936.6	3858733.3	3.28E-06	2.03E-06	-1.25E-06	1.25E-06	7.92E-07	-4.54E-07	6.33E-07	4.03E-07	-2.31E-07	1.25E-06	7.92E-07	-4.54E-07
2891	488637.6	3858467.9	2.38E-06	1.74E-06	-6.38E-07	9.04E-07	6.80E-07	-2.23E-07	4.60E-07	3.46E-07	-1.14E-07	9.04E-07	6.80E-07	-2.23E-07
2892	488662.6	3858467.9	2.30E-06	1.63E-06	-6.66E-07	8.72E-07	6.37E-07	-2.35E-07	4.44E-07	3.24E-07	-1.20E-07	8.72E-07	6.37E-07	-2.35E-07
2893	488637.6	3858492.9	2.56E-06	1.91E-06	-6.48E-07	9.70E-07	7.44E-07	-2.26E-07	4.93E-07	3.78E-07	-1.15E-07	9.70E-07	7.44E-07	-2.26E-07
2894	488662.6	3858492.9	2.46E-06	1.77E-06	-6.85E-07	9.33E-07	6.92E-07	-2.41E-07	4.74E-07	3.52E-07	-1.23E-07	9.33E-07	6.92E-07	-2.41E-07
2895	488687.6	3858492.9	2.37E-06	1.66E-06	-7.10E-07	8.98E-07	6.47E-07	-2.52E-07	4.57E-07	3.29E-07	-1.28E-07	8.98E-07	6.47E-07	-2.52E-07
2896	488637.6	3858517.9	2.76E-06	2.11E-06	-6.51E-07	1.05E-06	8.22E-07	-2.25E-07	5.32E-07	4.18E-07	-1.14E-07	1.05E-06	8.22E-07	-2.25E-07
2897	488662.6	3858517.9	2.65E-06	1.94E-06	-7.03E-07	1.00E-06	7.58E-07	-2.46E-07	5.10E-07	3.85E-07	-1.25E-07	1.00E-06	7.58E-07	-2.46E-07
2898	488687.6	3858517.9	2.54E-06	1.81E-06	-7.36E-07	9.64E-07	7.04E-07	-2.60E-07	4.90E-07	3.58E-07	-1.32E-07	9.64E-07	7.04E-07	-2.60E-07
2899	488194.4	3857169	6.24E-07	4.37E-07	-1.87E-07	2.37E-07	1.71E-07	-6.63E-08	1.20E-07	8.67E-08	-3.37E-08	2.37E-07	1.71E-07	-6.63E-08
2900	488244.4	3857169	6.20E-07	4.27E-07	-1.93E-07	2.35E-07	1.66E-07	-6.88E-08	1.20E-07	8.47E-08	-3.50E-08	2.35E-07	1.66E-07	-6.88E-08
2901	488294.4	3857169	6.14E-07	4.16E-07	-1.97E-07	2.33E-07	1.62E-07	-7.04E-08	1.18E-07	8.26E-08	-3.58E-08	2.33E-07	1.62E-07	-7.04E-08
2902	488244.4	3857219	6.36E-07	4.41E-07	-1.95E-07	2.41E-07	1.72E-07	-6.94E-08	1.23E-07	8.75E-08	-3.53E-08	2.41E-07	1.72E-07	-6.94E-08
2903	488294.4	3857219	6.30E-07	4.30E-07	-2.00E-07	2.39E-07	1.68E-07	-7.14E-08	1.22E-07	8.53E-08	-3.63E-08	2.39E-07	1.68E-07	-7.14E-08
2904	488294.4	3857269	6.50E-07	4.45E-07	-2.05E-07	2.47E-07	1.74E-07	-7.29E-08	1.25E-07	8.83E-08	-3.71E-08	2.47E-07	1.74E-07	-7.29E-08
2905	488139.1	3857111.7	6.12E-07	4.33E-07	-1.79E-07	2.32E-07	1.69E-07	-6.34E-08	1.18E-07	8.59E-08	-3.22E-08	2.32E-07	1.69E-07	-6.34E-08
2906	488189.1	3857111.7	6.09E-07	4.23E-07	-1.86E-07	2.31E-07	1.65E-07	-6.62E-08	1.18E-07	8.39E-08	-3.37E-08	2.31E-07	1.65E-07	-6.62E-08
2907	488189.1	3857161.7	6.23E-07	4.36E-07	-1.86E-07	2.36E-07	1.70E-07	-6.61E-08	1.20E-07	8.66E-08	-3.36E-08	2.36E-07	1.70E-07	-6.61E-08
2908	487951	3856961.3	5.92E-07	4.33E-07	-1.59E-07	2.25E-07	1.69E-07	-5.57E-08	1.14E-07	8.59E-08	-2.83E-08	2.25E-07	1.69E-07	-5.57E-08
2909	488001	3856961.3	5.86E-07	4.22E-07	-1.64E-07	2.22E-07	1.65E-07	-5.78E-08	1.13E-07	8.37E-08	-2.94E-08	2.22E-07	1.65E-07	-5.78E-08
2910	488051	3856961.3	5.78E-07	4.11E-07	-1.67E-07	2.19E-07	1.60E-07	-5.90E-08	1.12E-07	8.15E-08	-3.00E-08	2.19E-07	1.60E-07	-5.90E-08
2911	488101	3856961.3	5.76E-07	4.02E-07	-1.74E-07	2.19E-07	1.57E-07	-6.17E-08	1.11E-07	7.98E-08	-3.14E-08	2.19E-07	1.57E-07	-6.17E-08
2912	487951	3857011.3	6.09E-07	4.49E-07	-1.60E-07	2.31E-07	1.75E-07	-5.60E-08	1.18E-07	8.91E-08	-2.85E-08	2.31E-07	1.75E-07	-5.60E-08

2913	488001	3857011.3	6.00E-07	4.36E-07	-1.64E-07	2.28E-07	1.70E-07	-5.75E-08	1.16E-07	8.65E-08	-2.92E-08	2.28E-07	1.70E-07	-5.75E-08
2914	488051	3857011.3	5.92E-07	4.24E-07	-1.68E-07	2.24E-07	1.65E-07	-5.90E-08	1.14E-07	8.41E-08	-3.00E-08	2.24E-07	1.65E-07	-5.90E-08
2915	488101	3857011.3	5.89E-07	4.14E-07	-1.75E-07	2.23E-07	1.62E-07	-6.19E-08	1.14E-07	8.22E-08	-3.15E-08	2.23E-07	1.62E-07	-6.19E-08
2916	488001	3857061.3	6.16E-07	4.52E-07	-1.65E-07	2.34E-07	1.76E-07	-5.76E-08	1.19E-07	8.96E-08	-2.93E-08	2.34E-07	1.76E-07	-5.76E-08
2917	488051	3857061.3	6.09E-07	4.39E-07	-1.70E-07	2.31E-07	1.71E-07	-5.99E-08	1.18E-07	8.71E-08	-3.05E-08	2.31E-07	1.71E-07	-5.99E-08
2918	488101	3857061.3	6.04E-07	4.28E-07	-1.76E-07	2.29E-07	1.67E-07	-6.22E-08	1.17E-07	8.49E-08	-3.16E-08	2.29E-07	1.67E-07	-6.22E-08
2919	487639	3856673.8	5.48E-07	4.24E-07	-1.24E-07	2.08E-07	1.65E-07	-4.27E-08	1.06E-07	8.40E-08	-2.17E-08	2.08E-07	1.65E-07	-4.27E-08
2920	487689	3856673.8	5.42E-07	4.12E-07	-1.30E-07	2.06E-07	1.61E-07	-4.49E-08	1.05E-07	8.18E-08	-2.28E-08	2.06E-07	1.61E-07	-4.49E-08
2921	487639	3856723.8	5.62E-07	4.39E-07	-1.24E-07	2.13E-07	1.71E-07	-4.22E-08	1.09E-07	8.70E-08	-2.15E-08	2.13E-07	1.71E-07	-4.22E-08
2922	487689	3856723.8	5.56E-07	4.26E-07	-1.30E-07	2.11E-07	1.66E-07	-4.47E-08	1.07E-07	8.46E-08	-2.27E-08	2.11E-07	1.66E-07	-4.47E-08
2923	486324.6	3855740.6	4.87E-07	4.73E-07	-1.41E-08	1.85E-07	1.84E-07	-3.13E-10	9.39E-08	9.38E-08	-1.59E-10	1.85E-07	1.84E-07	-3.13E-10
2924	486374.6	3855740.6	4.72E-07	4.46E-07	-2.53E-08	1.79E-07	1.74E-07	-4.83E-09	9.10E-08	8.85E-08	-2.46E-09	1.79E-07	1.74E-07	-4.83E-09
2925	486424.6	3855740.6	4.62E-07	4.28E-07	-3.42E-08	1.75E-07	1.67E-07	-8.42E-09	8.92E-08	8.49E-08	-4.28E-09	1.75E-07	1.67E-07	-8.42E-09
2926	486324.6	3855790.6	4.98E-07	4.94E-07	-3.82E-09	1.89E-07	1.93E-07	3.82E-09	9.61E-08	9.80E-08	1.94E-09	1.89E-07	1.93E-07	3.82E-09
2927	486374.6	3855790.6	4.83E-07	4.66E-07	-1.70E-08	1.83E-07	1.82E-07	-1.49E-09	9.32E-08	9.25E-08	-7.58E-10	1.83E-07	1.82E-07	-1.49E-09
2928	486424.6	3855790.6	4.76E-07	4.49E-07	-2.72E-08	1.81E-07	1.75E-07	-5.53E-09	9.18E-08	8.90E-08	-2.81E-09	1.81E-07	1.75E-07	-5.53E-09
2929	486324.6	3855840.6	5.10E-07	5.19E-07	8.86E-09	1.93E-07	2.02E-07	8.89E-09	9.84E-08	1.03E-07	4.52E-09	1.93E-07	2.02E-07	8.89E-09
2930	486374.6	3855840.6	5.00E-07	4.95E-07	-5.21E-09	1.90E-07	1.93E-07	3.30E-09	9.65E-08	9.82E-08	1.68E-09	1.90E-07	1.93E-07	3.30E-09
2931	486424.6	3855840.6	4.90E-07	4.72E-07	-1.78E-08	1.86E-07	1.84E-07	-1.70E-09	9.45E-08	9.37E-08	-8.65E-10	1.86E-07	1.84E-07	-1.70E-09
2932	486324.6	3855890.6	5.28E-07	5.55E-07	2.68E-08	2.00E-07	2.17E-07	1.61E-08	1.02E-07	1.10E-07	8.19E-09	2.00E-07	2.17E-07	1.61E-08
2933	486374.6	3855890.6	5.17E-07	5.27E-07	9.08E-09	1.96E-07	2.05E-07	9.06E-09	9.98E-08	1.04E-07	4.61E-09	1.96E-07	2.05E-07	9.06E-09
2934	486424.6	3855890.6	5.05E-07	5.00E-07	-5.73E-09	1.92E-07	1.95E-07	3.15E-09	9.75E-08	9.91E-08	1.60E-09	1.92E-07	1.95E-07	3.15E-09
2935	488735.7	3858285.6	1.47E-06	9.44E-07	-5.28E-07	5.59E-07	3.68E-07	-1.90E-07	2.84E-07	1.87E-07	-9.68E-08	5.59E-07	3.68E-07	-1.90E-07
2936	488765.7	3858285.6	1.44E-06	9.09E-07	-5.27E-07	5.45E-07	3.55E-07	-1.90E-07	2.77E-07	1.80E-07	-9.68E-08	5.45E-07	3.55E-07	-1.90E-07
2937	488735.7	3858315.6	1.55E-06	9.95E-07	-5.51E-07	5.86E-07	3.88E-07	-1.98E-07	2.98E-07	1.97E-07	-1.01E-07	5.86E-07	3.88E-07	-1.98E-07
2938	488765.7	3858315.6	1.51E-06	9.55E-07	-5.50E-07	5.71E-07	3.73E-07	-1.98E-07	2.90E-07	1.89E-07	-1.01E-07	5.71E-07	3.73E-07	-1.98E-07
2939	478676.6	3849871.9	1.76E-06	9.63E-07	-7.94E-07	6.66E-07	3.76E-07	-2.91E-07	3.39E-07	1.91E-07	-1.48E-07	6.66E-07	3.76E-07	-2.91E-07
2940	479326.6	3849871.9	1.05E-06	5.76E-07	-4.76E-07	3.99E-07	2.25E-07	-1.74E-07	2.03E-07	1.14E-07	-8.86E-08	3.99E-07	2.25E-07	-1.74E-07
2941	479376.6	3849871.9	1.02E-06	5.59E-07	-4.61E-07	3.87E-07	2.18E-07	-1.69E-07	1.97E-07	1.11E-07	-8.59E-08	3.87E-07	2.18E-07	-1.69E-07
2942	479426.6	3849871.9	9.95E-07	5.45E-07	-4.50E-07	3.78E-07	2.13E-07	-1.65E-07	1.92E-07	1.08E-07	-8.38E-08	3.78E-07	2.13E-07	-1.65E-07
2943	478726.6	3849921.9	1.85E-06	1.01E-06	-8.36E-07	7.02E-07	3.95E-07	-3.06E-07	3.57E-07	2.01E-07	-1.56E-07	7.02E-07	3.95E-07	-3.06E-07
2944	478776.6	3849921.9	1.76E-06	9.65E-07	-7.96E-07	6.68E-07	3.76E-07	-2.92E-07	3.40E-07	1.91E-07	-1.48E-07	6.68E-07	3.76E-07	-2.92E-07
2945	478826.6	3849921.9	1.68E-06	9.20E-07	-7.59E-07	6.37E-07	3.59E-07	-2.78E-07	3.24E-07	1.82E-07	-1.41E-07	6.37E-07	3.59E-07	-2.78E-07
2946	478976.6	3849921.9	1.47E-06	8.06E-07	-6.65E-07	5.58E-07	3.14E-07	-2.44E-07	2.84E-07	1.60E-07	-1.24E-07	5.58E-07	3.14E-07	-2.44E-07
2947	479026.6	3849921.9	1.42E-06	7.78E-07	-6.42E-07	5.39E-07	3.03E-07	-2.35E-07	2.74E-07	1.54E-07	-1.20E-07	5.39E-07	3.03E-07	-2.35E-07
2948	479076.6	3849921.9	1.37E-06	7.49E-07	-6.18E-07	5.19E-07	2.92E-07	-2.27E-07	2.64E-07	1.48E-07	-1.15E-07	5.19E-07	2.92E-07	-2.27E-07
2949	479126.6	3849921.9	1.32E-06	7.21E-07	-5.95E-07	4.99E-07	2.81E-07	-2.18E-07	2.54E-07	1.43E-07	-1.11E-07	4.99E-07	2.81E-07	-2.18E-07
2950	479176.6	3849921.9	1.27E-06	6.96E-07	-5.75E-07	4.82E-07	2.71E-07	-2.11E-07	2.45E-07	1.38E-07	-1.07E-07	4.82E-07	2.71E-07	-2.11E-07
2951	479226.6	3849921.9	1.22E-06	6.68E-07	-5.51E-07	4.62E-07	2.60E-07	-2.02E-07	2.35E-07	1.32E-07	-1.03E-07	4.62E-07	2.60E-07	-2.02E-07
2952	479276.6	3849921.9	1.16E-06	6.33E-07	-5.23E-07	4.38E-07	2.47E-07	-1.92E-07	2.23E-07	1.26E-07	-9.74E-08	4.38E-07	2.47E-07	-1.92E-07
2953	479326.6	3849921.9	1.14E-06	6.26E-07	-5.16E-07	4.33E-07	2.44E-07	-1.89E-07	2.20E-07	1.24E-07	-9.62E-08	4.33E-07	2.44E-07	-1.89E-07
2954	479376.6	3849921.9	1.09E-06	5.95E-07	-4.91E-07	4.12E-07	2.32E-07	-1.80E-07	2.09E-07	1.18E-07	-9.14E-08	4.12E-07	2.32E-07	-1.80E-07
2955	479426.6	3849921.9	1.07E-06	5.85E-07	-4.82E-07	4.05E-07	2.28E-07	-1.77E-07	2.06E-07	1.16E-07	-8.99E-08	4.05E-07	2.28E-07	-1.77E-07
2956	478726.6	3849971.9	2.06E-06	1.13E-06	-9.33E-07	7.82E-07	4.41E-07	-3.42E-07	3.98E-07	2.24E-07	-1.74E-07	7.82E-07	4.41E-07	-3.42E-07
2957	478776.6	3849971.9	1.95E-06	1.07E-06	-8.82E-07	7.40E-07	4.17E-07	-3.23E-07	3.77E-07	2.12E-07	-1.64E-07	7.40E-07	4.17E-07	-3.23E-07
2958	478826.6	3849971.9	1.85E-06	1.01E-06	-8.37E-07	7.02E-07	3.95E-07	-3.07E-07	3.57E-07	2.01E-07	-1.56E-07	7.02E-07	3.95E-07	-3.07E-07
2959	478976.6	3849971.9	1.61E-06	8.82E-07	-7.28E-07	6.11E-07	3.44E-07	-2.67E-07	3.11E-07	1.75E-07	-1.36E-07	6.11E-07	3.44E-07	-2.67E-07
2960	479026.6	3849971.9	1.54E-06	8.44E-07	-6.97E-07	5.84E-07	3.29E-07	-2.55E-07	2.97E-07	1.67E-07	-1.30E-07	5.84E-07	3.29E-07	-2.55E-07
2961	479076.6	3849971.9	1.48E-06	8.08E-07	-6.68E-07	5.60E-07	3.15E-07	-2.45E-07	2.85E-07	1.60E-07	-1.24E-07	5.60E-07	3.15E-07	-2.45E-07
2962	479126.6	3849971.9	1.42E-06	7.77E-07	-6.42E-07	5.38E-07	3.03E-07	-2.35E-07	2.74E-07	1.54E-07	-1.20E-07	5.38E-07	3.03E-07	-2.35E-07
2963	479176.6	3849971.9	1.37E-06	7.48E-07	-6.18E-07	5.18E-07	2.92E-07	-2.26E-07	2.64E-07	1.48E-07	-1.15E-07	5.18E-07	2.92E-07	-2.26E-07
2964	479226.6	3849971.9	1.29E-06	7.04E-07	-5.81E-07	4.88E-07	2.75E-07	-2.13E-07	2.48E-07	1.40E-07	-1.08E-07	4.88E-07	2.75E-07	-2.13E-07
2965	479276.6	3849971.9	1.26E-06	6.90E-07	-5.69E-07	4.78E-07	2.69E-07	-2.09E-07	2.43E-07	1.37E-07	-1.06E-07	4.78E-07	2.69E-07	-2.09E-07
2966	479326.6	3849971.9	1.23E-06	6.73E-07	-5.56E-07	4.66E-07	2.63E-07	-2.04E-07	2.37E-07	1.34E-07	-1.04E-07	4.66E-07	2.63E-07	-2.04E-07
2967	479376.6	3849971.9	1.17E-06	6.41E-07	-5.29E-07	4.44E-07	2.50E-07	-1.94E-07	2.26E-07	1.27E-07	-9.86E-08	4.44E-07	2.50E-07	-1.94E-07
2968	479426.6	3849971.9	1.14E-06	6.23E-07	-5.14E-07	4.31E-07	2.43E-07	-1.88E-07	2.19E-07	1.24E-07	-9.58E-08	4.31E-07	2.43E-07	-1.88E-07
2969	478726.6	3850021.9	2.33E-06	1.28E-06	-1.06E-06	8.85E-07	4.98E-07	-3.87E-07	4.50E-07	2.53E-07	-1.97E-07	8.85E-07	4.98E-07	-3.87E-07
2970	478776.6	3850021.9	2.19E-06	1.20E-06	-9.91E-07	8.31E-07	4.68E-07	-3.63E-07	4.23E-07	2.38E-07	-1.85E-07	8.31E-07	4.68E-07	-3.63E-07
2971	478826.6	3850021.9	2.06E-06	1.13E-06	-9.34E-07	7.83E-07	4.41E-07	-3.42E-07	3.98E-07	2.24E-07	-1.74E-07	7.83E-07	4.41E-07	-3.42E-07
2972	478976.6	3850021.9	1.77E-06	9.67E-07	-7.99E-07	6.70E-07	3.77E-07	-2.93E-07	3.41E-07	1.92E-07	-1.49E-07	6.70E-07	3.77E-07	-2.93E-07
2973	478726.6	3850071.9	2.69E-06	1.47E-06	-1.22E-06	1.02E-06	5.73E-07	-4.46E-07	5.18E-07	2.92E-07	-2.27E-07	1.02E-06	5.73E-07	-4.46E-07
2974	478776.6	3850071.9	2.50E-06	1.37E-06	-1.13E-06	9.48E-07	5.33E-07	-4.15E-07	4.82E-07	2.71E-07	-2.11E-07	9.48E-07	5.33E-07	-4.15E-07
2975	478826.6	3850071.9	2.34E-06	1.28E-06	-1.06E-06	8.86E-07	4.99E-07	-3.87E-07	4.51E-07	2.54E-07	-1.97E-07	8.86E-07	4.99E-07	-3.87E-07
2976	478876.6	3850071.9	2.19E-06	1.20E-06	-9.93E-07	8.32E-07	4.68E-07	-3.64E-07	4.23E-07	2.38E-07	-1.85E-07	8.32E-07	4.68E-07	-3.64E-07
2977	478976.6	3850071.9	1.96E-06	1.07E-06	-8.86E-07	7.43E-07	4.18E-07	-3.25E-07	3.78E-07	2.13E-07	-1.65E-07	7.43E-07	4.18E-07	-3.25E-07
2978	478726.6	3850121.9	3.18E-06	1.74E-06	-1.44E-06	1.20E-06	6.77E-07	-5.28E-07	6.13E-07	3.44E-07	-2.68E-07	1.20E-06	6.77E-07	-5.28E-07
2979	478776.6	3850121.9	2.91E-06	1.59E-06	-1.32E-06	1.11E-06	6.21E-07	-4.84E-07	5.62E-07	3.16E-07	-2.46E-07	1.11E-06	6.21E-07	-4.84E-07
2980	478826.6	3850121.9	2.69E-06	1.47E-06	-1.22E-06	1.02E-06	5.75E-07	-4.47E-07	5.20E-07	2.92E-07	-2.27E-07	1.02E-06	5.75E-07	-4.47E-07
2981	478876.6	3850121.9	2.50E-06	1.37E-06	-1.13E-06	9.50E-07	5.34E-07	-4.16E-07	4.83E-07	2.72E-07	-2.11E-07	9.50E-07	5.34E-07	-4.16E-07
2982	478976.6	3850121.9	2.20E-06	1.20E-06	-9.96E-07	8.34E-07	4.69E-07	-3.65E-07	4.24E-07	2.39E-07	-1.86E-07	8.34E-07	4.69E-07	-3.65E-07
2983	479026.6	3850121.9	2.07E-06	1.13E-06	-9.39E-07	7.87E-07	4.43E-07	-3.44E-07	4.00E-07	2.25E-07	-1.75E-07	7.87E-07	4.43E-07	-3.44E-07
2984	479076.6	3850121.9	1.96E-06	1.07E-06	-8.88E-07	7.44E-07	4.18E-07	-3.25E-07	3.78E-07	2.13E-07	-1.65E-07	7.44E-07	4.18E-07	-3.25E-07
2985	479126.6	3850121.9	1.86E-06	1.02E-06	-8.42E-07	7.05E-07	3.97E-07	-3.08E-07	3.59E-07	2.02E-07	-1.57E-07	7.05E-07	3.97E-07	-3.08E-07
2986	478776.6	3850171.9	3.50E-06	1.91E-06	-1.59E-06	1.33E-06	7.46E-07	-5.83E-07	6.76E-07	3.80E-07	-2.97E-07	1.33E-06	7.46E-07	-5.83E-07
2987	478826.6	3850171.9	3.19E-06	1.74E-06	-1.45E-06	1.21E-06	6.79E-07	-5.30E-07	6.15E-07	3.45E-07	-2.70E-07	1.21E-06	6.79E-07	-5.30E-07
2988	478876.6	3850171.9	2.92E-06	1.60E-06	-1.33E-06	1.11E-06	6.23E-07	-4.86E-07	5.64E-07	3.17E-07	-2.47E-07	1.11E-06	6.23E-07	-4.86E-07
2989	478976.6	3850171.9	2.51E-06	1.37E-06	-1.14E-06	9.53E-07	5.36E-07	-4.17E-07	4.85E-07	2.72E-07	-2.12E-07	9.53E-07	5.36E-07	-4.17E-07
2990	479026.6	3850171.9	2.35E-06	1.28E-06	-1.06E-06	8.91E-07	5.01E-07	-3.90E-07	4.53E-07	2.55E-07	-1.98E-07	8.91E-07	5.01E-07	-3.90E-07
2991	479076.6	3850171.9	2.20E-06	1.21E-06	-9.99E-07	8.36E-07	4.70E-07	-3.66E-07	4.25E-07	2.39E-07	-1.86E-07	8.36E-07	4.70E-07	-3.66E-07
2992	479126.6	3850171.9	2.08E-06	1.14E-06	-9.41E-07	7.88E-07	4.43E-07	-3.45E-07	4.01E-07	2.25E-07	-1.75E-07	7.88E-07	4.43E-07	-3.45E-07
2993	479176.6	3850171.9	1.97E-06	1.08E-06	-8.91E-07	7.46E-07	4.20E-07	-3.27E-07	3.80E-07	2.13E-07	-1.66E-07	7.46E-07	4.20E-07	-3.27E-07
2994	479226.6	3850171.9	1.87E-06	1.02E-06	-8.47E-07	7.10E-07	3.99E-07	-3.11E-07	3.61E-07	2.03E-07	-1.58E-07	7.10E-07	3.99E-07	-3.11E-07
2995	479276.6	3850171.9	1.78E-06	9.76E-07	-8.08E-07	6.77E-07	3.81E-07	-2.96E-07	3.44E-07	1.94E-07	-1.51E-07	6.77E-07	3.81E-07	-2.96E-07
2996	479326.6	3850171.9	1.70E-06	9.31E-07	-7.71E-07	6.46E-07	3.63E-07	-2.82E-07	3.28E-07	1.85E-07	-1.44E-07	6.46E-07	3.63E-07	-2.82E-07
2997	479376.6	3850171.9	1.62E-06	8.89E-07	-7.36E-07	6.16E-07	3.47E-07	-2.70E-07	3.13E-07	1.76E-07	-1.37E-07	6.16E-07	3.47E-07	-2.70E-07
2998	478676.6	3850221.9	5.94E-06	3.23E-06	-2.71E-06	2.25E-06	1.26E-06	-9.92E-07	1.15E-06	6.40E-07	-5.05E-07	2.25E-06	1.26E-06	-9.92E-07
2999	478726.6	3850221.9	5.06E-06	2.75E-06	-2.30E-06	1.92E-06	1.07E-06	-8.44E-07	9.76E-07	5.46E-07	-4.29E-07	1.92E-06	1.07E-06	-8.44E-07
3000	478976.6	3850221.9	2.93E-06	1.60E-06	-1.33E-06	1.11E-06	6.25E-07	-4.88E-07	5.66E-07	3.18E-07	-2.48E-07	1.11E-06	6.25E-07	-4.88E-07
3001	479026.6	3850221.9	2.71E-06	1.48E-06	-1.23E-06	1.03E-06	5.77E-07	-4.50E-07	5.23E-07	2.94E-07	-2.29E-07	1.03E-06	5.77E-07	-4.50E-07
3002	479076.6	3850221.9	2.52E-06	1.38E-06	-1.14E-06	9.56E-07	5.37E-07	-4.19E-07	4.86E-07	2.73E-07	-2.13E-07	9.56E-07	5.37E-07	-4.19E-07
3003	479126.6	3850221.9	2.35E-06	1.29E-06	-1.07E-06	8.93E-07	5.02E-07	-3.91E-07	4.54E-07	2.55E-07	-1.99E-07	8.93E-07	5.02E-07	-3.91E-07
3004	479176.6	3850221.9	2.21E-06	1.21E-06	-1.00E-06	8.39E-07	4.72E-07	-3.67E-07	4.27E-07	2.40E-07	-1.87E-07	8.39E-07	4.72E-07	-3.67E-07
3005	479226.6	3850221.9	2.09E-06	1.14E-06	-9.45E-07	7.92E-07	4.45E-07	-3.47E-07	4.03E-07	2.26E-07	-1.76E-07	7.92E-07	4.45E-07	-3.47E-07
3006	479276.6	3850221.9	1.98E-06	1.08E-06	-8.95E-07	7.49E-07	4.21E-07	-3.28E-07	3.81E-07	2.14E-07	-1.67E-07	7.49E-07	4.21E-07	-3.28E-07

3007	479326.6	3850221.9	1.88E-06	1.03E-06	-8.50E-07	7.12E-07	4.00E-07	-3.12E-07	3.62E-07	2.04E-07	-1.58E-07	7.12E-07	4.00E-07	-3.12E-07
3008	479376.6	3850221.9	1.79E-06	9.77E-07	-8.09E-07	6.77E-07	3.81E-07	-2.96E-07	3.44E-07	1.94E-07	-1.51E-07	6.77E-07	3.81E-07	-2.96E-07
3009	478676.6	3850271.9	9.10E-06	4.93E-06	-4.17E-06	3.45E-06	1.92E-06	-1.53E-06	1.76E-06	9.77E-07	-7.78E-07	3.45E-06	1.92E-06	-1.53E-06
3010	478726.6	3850271.9	7.22E-06	3.92E-06	-3.30E-06	2.74E-06	1.53E-06	-1.21E-06	1.39E-06	7.77E-07	-6.16E-07	2.74E-06	1.53E-06	-1.21E-06
3011	478976.6	3850271.9	3.53E-06	1.93E-06	-1.61E-06	1.34E-06	7.52E-07	-5.89E-07	6.82E-07	3.82E-07	-2.99E-07	1.34E-06	7.52E-07	-5.89E-07
3012	479026.6	3850271.9	3.21E-06	1.75E-06	-1.46E-06	1.22E-06	6.83E-07	-5.34E-07	6.19E-07	3.47E-07	-2.72E-07	1.22E-06	6.83E-07	-5.34E-07
3013	479076.6	3850271.9	2.94E-06	1.61E-06	-1.34E-06	1.12E-06	6.27E-07	-4.89E-07	5.68E-07	3.19E-07	-2.49E-07	1.12E-06	6.27E-07	-4.89E-07
3014	479126.6	3850271.9	2.72E-06	1.49E-06	-1.23E-06	1.03E-06	5.79E-07	-4.52E-07	5.25E-07	2.95E-07	-2.30E-07	1.03E-06	5.79E-07	-4.52E-07
3015	479176.6	3850271.9	2.53E-06	1.38E-06	-1.15E-06	9.59E-07	5.39E-07	-4.20E-07	4.87E-07	2.74E-07	-2.14E-07	9.59E-07	5.39E-07	-4.20E-07
3016	479226.6	3850271.9	2.36E-06	1.29E-06	-1.07E-06	8.96E-07	5.03E-07	-3.93E-07	4.56E-07	2.56E-07	-2.00E-07	8.96E-07	5.03E-07	-3.93E-07
3017	479276.6	3850271.9	2.22E-06	1.21E-06	-1.01E-06	8.42E-07	4.73E-07	-3.69E-07	4.28E-07	2.41E-07	-1.87E-07	8.42E-07	4.73E-07	-3.69E-07
3018	479326.6	3850271.9	2.09E-06	1.14E-06	-9.49E-07	7.94E-07	4.46E-07	-3.48E-07	4.04E-07	2.27E-07	-1.77E-07	7.94E-07	4.46E-07	-3.48E-07
3019	479376.6	3850271.9	1.98E-06	1.08E-06	-8.97E-07	7.51E-07	4.22E-07	-3.29E-07	3.82E-07	2.15E-07	-1.67E-07	7.51E-07	4.22E-07	-3.29E-07
3020	479053.2	3850293.5	3.31E-06	1.81E-06	-1.51E-06	1.26E-06	7.05E-07	-5.52E-07	6.39E-07	3.59E-07	-2.81E-07	1.26E-06	7.05E-07	-5.52E-07
3021	479103.2	3850293.5	3.03E-06	1.65E-06	-1.38E-06	1.15E-06	6.45E-07	-5.04E-07	5.84E-07	3.28E-07	-2.56E-07	1.15E-06	6.45E-07	-5.04E-07
3022	479153.2	3850293.5	2.79E-06	1.53E-06	-1.27E-06	1.06E-06	5.95E-07	-4.65E-07	5.39E-07	3.03E-07	-2.36E-07	1.06E-06	5.95E-07	-4.65E-07
3023	479203.2	3850293.5	2.59E-06	1.42E-06	-1.18E-06	9.83E-07	5.52E-07	-4.31E-07	5.00E-07	2.81E-07	-2.19E-07	9.83E-07	5.52E-07	-4.31E-07
3024	479253.2	3850293.5	2.42E-06	1.32E-06	-1.10E-06	9.17E-07	5.15E-07	-4.02E-07	4.66E-07	2.62E-07	-2.04E-07	9.17E-07	5.15E-07	-4.02E-07
3025	479303.2	3850293.5	2.27E-06	1.24E-06	-1.03E-06	8.61E-07	4.84E-07	-3.77E-07	4.38E-07	2.46E-07	-1.92E-07	8.61E-07	4.84E-07	-3.77E-07
3026	479353.2	3850293.5	2.14E-06	1.17E-06	-9.68E-07	8.10E-07	4.55E-07	-3.55E-07	4.12E-07	2.32E-07	-1.80E-07	8.10E-07	4.55E-07	-3.55E-07
3027	479153.2	3850343.5	3.33E-06	1.82E-06	-1.51E-06	1.26E-06	7.08E-07	-5.55E-07	6.42E-07	3.60E-07	-2.82E-07	1.26E-06	7.08E-07	-5.55E-07
3028	479203.2	3850343.5	3.04E-06	1.66E-06	-1.38E-06	1.15E-06	6.48E-07	-5.07E-07	5.87E-07	3.29E-07	-2.58E-07	1.15E-06	6.48E-07	-5.07E-07
3029	479253.2	3850343.5	2.81E-06	1.53E-06	-1.27E-06	1.06E-06	5.98E-07	-4.67E-07	5.41E-07	3.04E-07	-2.37E-07	1.06E-06	5.98E-07	-4.67E-07
3030	479303.2	3850343.5	2.60E-06	1.42E-06	-1.18E-06	9.88E-07	5.55E-07	-4.33E-07	5.03E-07	2.82E-07	-2.20E-07	9.88E-07	5.55E-07	-4.33E-07
3031	479353.2	3850343.5	2.43E-06	1.33E-06	-1.10E-06	9.22E-07	5.18E-07	-4.04E-07	4.69E-07	2.63E-07	-2.05E-07	9.22E-07	5.18E-07	-4.04E-07
3032	479203.2	3850393.5	3.70E-06	2.02E-06	-1.68E-06	1.40E-06	7.87E-07	-6.17E-07	7.14E-07	4.00E-07	-3.14E-07	1.40E-06	7.87E-07	-6.17E-07
3033	479253.2	3850393.5	3.35E-06	1.83E-06	-1.52E-06	1.27E-06	7.13E-07	-5.59E-07	6.47E-07	3.63E-07	-2.84E-07	1.27E-06	7.13E-07	-5.59E-07
3034	479303.2	3850393.5	3.07E-06	1.67E-06	-1.39E-06	1.16E-06	6.53E-07	-5.11E-07	5.92E-07	3.32E-07	-2.60E-07	1.16E-06	6.53E-07	-5.11E-07
3035	479353.2	3850393.5	2.82E-06	1.54E-06	-1.28E-06	1.07E-06	6.01E-07	-4.70E-07	5.45E-07	3.06E-07	-2.39E-07	1.07E-06	6.01E-07	-4.70E-07
3036	479403.2	3850393.5	2.62E-06	1.43E-06	-1.19E-06	9.92E-07	5.57E-07	-4.35E-07	5.05E-07	2.83E-07	-2.21E-07	9.92E-07	5.57E-07	-4.35E-07
3037	479453.2	3850393.5	2.43E-06	1.33E-06	-1.10E-06	9.23E-07	5.18E-07	-4.05E-07	4.69E-07	2.63E-07	-2.06E-07	9.23E-07	5.18E-07	-4.05E-07
3038	479503.2	3850393.5	2.27E-06	1.24E-06	-1.03E-06	8.60E-07	4.82E-07	-3.77E-07	4.37E-07	2.45E-07	-1.92E-07	8.60E-07	4.82E-07	-3.77E-07
3039	479303.2	3850443.5	3.74E-06	2.04E-06	-1.70E-06	1.42E-06	7.95E-07	-6.25E-07	7.22E-07	4.04E-07	-3.18E-07	1.42E-06	7.95E-07	-6.25E-07
3040	479353.2	3850443.5	3.38E-06	1.84E-06	-1.54E-06	1.28E-06	7.19E-07	-5.64E-07	6.53E-07	3.66E-07	-2.87E-07	1.28E-06	7.19E-07	-5.64E-07
3041	479403.2	3850443.5	3.08E-06	1.68E-06	-1.40E-06	1.17E-06	6.55E-07	-5.14E-07	5.95E-07	3.33E-07	-2.61E-07	1.17E-06	6.55E-07	-5.14E-07
3042	479453.2	3850443.5	2.82E-06	1.54E-06	-1.28E-06	1.07E-06	6.01E-07	-4.71E-07	5.45E-07	3.05E-07	-2.39E-07	1.07E-06	6.01E-07	-4.71E-07
3043	479503.2	3850443.5	2.60E-06	1.42E-06	-1.18E-06	9.86E-07	5.53E-07	-4.33E-07	5.02E-07	2.81E-07	-2.20E-07	9.86E-07	5.53E-07	-4.33E-07
3044	480327.2	3850987	4.56E-06	2.49E-06	-2.07E-06	1.73E-06	9.71E-07	-7.60E-07	8.80E-07	4.94E-07	-3.86E-07	1.73E-06	9.71E-07	-7.60E-07
3045	480377.2	3850987	4.03E-06	2.20E-06	-1.83E-06	1.53E-06	8.58E-07	-6.69E-07	7.77E-07	4.36E-07	-3.40E-07	1.53E-06	8.58E-07	-6.69E-07
3046	480427.2	3850987	3.59E-06	1.96E-06	-1.63E-06	1.36E-06	7.66E-07	-5.97E-07	6.93E-07	3.90E-07	-3.04E-07	1.36E-06	7.66E-07	-5.97E-07
3047	480477.2	3850987	3.23E-06	1.77E-06	-1.46E-06	1.23E-06	6.90E-07	-5.37E-07	6.24E-07	3.51E-07	-2.73E-07	1.23E-06	6.90E-07	-5.37E-07
3048	480327.2	3851037	6.26E-06	3.41E-06	-2.85E-06	2.37E-06	1.33E-06	-1.04E-06	1.21E-06	6.77E-07	-5.31E-07	2.37E-06	1.33E-06	-1.04E-06
3049	480377.2	3851037	5.30E-06	2.89E-06	-2.41E-06	2.01E-06	1.13E-06	-8.82E-07	1.02E-06	5.74E-07	-4.49E-07	2.01E-06	1.13E-06	-8.82E-07
3050	480427.2	3851037	4.58E-06	2.50E-06	-2.08E-06	1.74E-06	9.75E-07	-7.61E-07	8.83E-07	4.96E-07	-3.87E-07	1.74E-06	9.75E-07	-7.61E-07
3051	480477.2	3851037	4.02E-06	2.20E-06	-1.82E-06	1.53E-06	8.58E-07	-6.68E-07	7.76E-07	4.36E-07	-3.40E-07	1.53E-06	8.58E-07	-6.68E-07
3052	480622.1	3851087.4	3.62E-06	1.98E-06	-1.64E-06	1.37E-06	7.74E-07	-5.99E-07	6.98E-07	3.93E-07	-3.05E-07	1.37E-06	7.74E-07	-5.99E-07
3053	480672.1	3851087.4	3.26E-06	1.79E-06	-1.47E-06	1.24E-06	6.97E-07	-5.40E-07	6.29E-07	3.55E-07	-2.75E-07	1.24E-06	6.97E-07	-5.40E-07
3054	480622.1	3851137.4	4.65E-06	2.55E-06	-2.10E-06	1.77E-06	9.95E-07	-7.71E-07	8.98E-07	5.06E-07	-3.92E-07	1.77E-06	9.95E-07	-7.71E-07
3055	480672.1	3851137.4	4.08E-06	2.24E-06	-1.84E-06	1.55E-06	8.72E-07	-6.75E-07	7.87E-07	4.43E-07	-3.43E-07	1.55E-06	8.72E-07	-6.75E-07
3056	480722.1	3851137.4	3.63E-06	1.99E-06	-1.64E-06	1.38E-06	7.77E-07	-6.01E-07	7.01E-07	3.95E-07	-3.05E-07	1.38E-06	7.77E-07	-6.01E-07
3057	480622.1	3851187.4	6.50E-06	3.56E-06	-2.94E-06	2.47E-06	1.39E-06	-1.08E-06	1.25E-06	7.06E-07	-5.48E-07	2.47E-06	1.39E-06	-1.08E-06
3058	480672.1	3851187.4	5.44E-06	2.98E-06	-2.46E-06	2.06E-06	1.16E-06	-9.00E-07	1.05E-06	5.92E-07	-4.58E-07	2.06E-06	1.16E-06	-9.00E-07
3059	480722.1	3851187.4	4.68E-06	2.57E-06	-2.11E-06	1.77E-06	1.00E-06	-7.73E-07	9.02E-07	5.09E-07	-3.93E-07	1.77E-06	1.00E-06	-7.73E-07
3060	471363.1	3845877.3	1.67E-07	9.15E-08	-7.51E-08	6.32E-08	3.57E-08	-2.75E-08	3.21E-08	1.81E-08	-1.40E-08	6.32E-08	3.57E-08	-2.75E-08
3061	471863.1	3845877.3	1.66E-07	9.11E-08	-7.51E-08	6.30E-08	3.55E-08	-2.75E-08	3.21E-08	1.81E-08	-1.40E-08	6.30E-08	3.55E-08	-2.75E-08
3062	472363.1	3845877.3	1.91E-07	1.05E-07	-8.65E-08	7.26E-08	4.09E-08	-3.17E-08	3.69E-08	2.08E-08	-1.61E-08	7.26E-08	4.09E-08	-3.17E-08
3063	472863.1	3845877.3	1.85E-07	1.01E-07	-8.33E-08	7.00E-08	3.95E-08	-3.05E-08	3.56E-08	2.01E-08	-1.55E-08	7.00E-08	3.95E-08	-3.05E-08
3064	473363.1	3845877.3	1.89E-07	1.04E-07	-8.50E-08	7.18E-08	4.06E-08	-3.11E-08	3.65E-08	2.07E-08	-1.58E-08	7.18E-08	4.06E-08	-3.11E-08
3065	473863.1	3845877.3	1.92E-07	1.06E-07	-8.61E-08	7.28E-08	4.13E-08	-3.15E-08	3.70E-08	2.10E-08	-1.60E-08	7.28E-08	4.13E-08	-3.15E-08
3066	474363.1	3845877.3	2.04E-07	1.12E-07	-9.14E-08	7.72E-08	4.38E-08	-3.35E-08	3.93E-08	2.22E-08	-1.70E-08	7.72E-08	4.38E-08	-3.35E-08
3067	474863.1	3845877.3	2.10E-07	1.15E-07	-9.44E-08	7.96E-08	4.50E-08	-3.46E-08	4.05E-08	2.29E-08	-1.76E-08	7.96E-08	4.50E-08	-3.46E-08
3068	475363.1	3845877.3	2.13E-07	1.16E-07	-9.61E-08	8.06E-08	4.54E-08	-3.52E-08	4.10E-08	2.31E-08	-1.79E-08	8.06E-08	4.54E-08	-3.52E-08
3069	475863.1	3845877.3	2.07E-07	1.14E-07	-9.36E-08	7.86E-08	4.43E-08	-3.43E-08	4.00E-08	2.25E-08	-1.74E-08	7.86E-08	4.43E-08	-3.43E-08
3070	476363.1	3845877.3	1.97E-07	1.08E-07	-8.87E-08	7.47E-08	4.22E-08	-3.25E-08	3.80E-08	2.14E-08	-1.65E-08	7.47E-08	4.22E-08	-3.25E-08
3071	476863.1	3845877.3	1.85E-07	1.02E-07	-8.31E-08	7.02E-08	3.98E-08	-3.05E-08	3.57E-08	2.02E-08	-1.55E-08	7.02E-08	3.98E-08	-3.05E-08
3072	477363.1	3845877.3	1.76E-07	9.68E-08	-7.88E-08	6.66E-08	3.77E-08	-2.89E-08	3.39E-08	1.92E-08	-1.47E-08	6.66E-08	3.77E-08	-2.89E-08
3073	477863.1	3845877.3	1.65E-07	9.07E-08	-7.41E-08	6.25E-08	3.54E-08	-2.71E-08	3.18E-08	1.80E-08	-1.38E-08	6.25E-08	3.54E-08	-2.71E-08
3074	478363.1	3845877.3	1.59E-07	8.71E-08	-7.15E-08	6.01E-08	3.40E-08	-2.62E-08	3.06E-08	1.73E-08	-1.33E-08	6.01E-08	3.40E-08	-2.62E-08
3075	478863.1	3845877.3	1.53E-07	8.39E-08	-6.88E-08	5.79E-08	3.27E-08	-2.52E-08	2.95E-08	1.66E-08	-1.28E-08	5.79E-08	3.27E-08	-2.52E-08
3076	479363.1	3845877.3	1.50E-07	8.23E-08	-6.73E-08	5.67E-08	3.21E-08	-2.46E-08	2.88E-08	1.63E-08	-1.25E-08	5.67E-08	3.21E-08	-2.46E-08
3077	479863.1	3845877.3	1.44E-07	7.91E-08	-6.46E-08	5.45E-08	3.08E-08	-2.37E-08	2.77E-08	1.57E-08	-1.20E-08	5.45E-08	3.08E-08	-2.37E-08
3078	480363.1	3845877.3	1.34E-07	7.38E-08	-6.04E-08	5.09E-08	2.88E-08	-2.21E-08	2.59E-08	1.46E-08	-1.13E-08	5.09E-08	2.88E-08	-2.21E-08
3079	480863.1	3845877.3	1.28E-07	7.04E-08	-5.79E-08	4.87E-08	2.75E-08	-2.12E-08	2.48E-08	1.40E-08	-1.08E-08	4.87E-08	2.75E-08	-2.12E-08
3080	481363.1	3845877.3	1.23E-07	6.76E-08	-5.53E-08	4.66E-08	2.64E-08	-2.03E-08	2.37E-08	1.34E-08	-1.03E-08	4.66E-08	2.64E-08	-2.03E-08
3081	481863.1	3845877.3	1.17E-07	6.44E-08	-5.27E-08	4.44E-08	2.51E-08	-1.93E-08	2.26E-08	1.28E-08	-9.82E-09	4.44E-08	2.51E-08	-1.93E-08
3082	482363.1	3845877.3	1.11E-07	6.12E-08	-5.00E-08	4.22E-08	2.39E-08	-1.83E-08	2.15E-08	1.21E-08	-9.32E-09	4.22E-08	2.39E-08	-1.83E-08
3083	482863.1	3845877.3	9.91E-08	5.45E-08	-4.45E-08	3.76E-08	2.13E-08	-1.63E-08	1.91E-08	1.08E-08	-8.29E-09	3.76E-08	2.13E-08	-1.63E-08
3084	483363.1	3845877.3	9.32E-08	5.12E-08	-4.20E-08	3.54E-08	2.00E-08	-1.54E-08	1.80E-08	1.02E-08	-7.82E-09	3.54E-08	2.00E-08	-1.54E-08
3085	483863.1	3845877.3	1.00E-07	5.53E-08	-4.51E-08	3.81E-08	2.16E-08	-1.65E-08	1.94E-08	1.10E-08	-8.41E-09	3.81E-08	2.16E-08	-1.65E-08
3086	484363.1	3845877.3	9.95E-08	5.47E-08	-4.49E-08	3.78E-08	2.13E-08	-1.64E-08	1.92E-08	1.08E-08	-8.36E-09	3.78E-08	2.13E-08	-1.64E-08
3087	484863.1	3845877.3	9.73E-08	5.34E-08	-4.38E-08	3.69E-08	2.08E-08	-1.61E-08	1.88E-08	1.06E-08	-8.17E-09	3.69E-08	2.08E-08	-1.61E-08
3088	485363.1	3845877.3	9.37E-08	5.16E-08	-4.21E-08	3.55E-08	2.01E-08	-1.54E-08	1.81E-08	1.02E-08	-7.84E-09	3.55E-08	2.01E-08	-1.54E-08
3089	485863.1	3845877.3	9.37E-08	5.15E-08	-4.22E-08	3.55E-08	2.01E-08	-1.55E-08	1.81E-08	1.02E-08	-7.86E-09	3.55E-08	2.01E-08	-1.55E-08
3090	486363.1	3845877.3	9.23E-08	5.07E-08	-4.16E-08	3.50E-08	1.98E-08	-1.52E-08	1.78E-08	1.01E-08	-7.75E-09	3.50E-08	1.98E-08	-1.52E-08
3091	486863.1	3845877.3	8.87E-08	4.88E-08	-4.00E-08	3.37E-08	1.90E-08	-1.46E-08	1.71E-08	9.67E-09	-7.44E-09	3.37E-08	1.90E-08	-1.46E-08
3092	487363.1	3845877.3	8.74E-08	4.80E-08	-3.93E-08	3.31E-08	1.87E-08	-1.44E-08	1.69E-08	9.53E-09	-7.33E-09	3.31E-08	1.87E-08	-1.44E-08
3093	487863.1	3845877.3	8.42E-08	4.63E-08	-3.79E-08	3.19E-08	1.81E-08	-1.39E-08	1.62E-08	9.18E-09	-7.06E-09	3.19E-08	1.81E-08	-1.39E-08
3094	488363.1	3845877.3	8.24E-08	4.53E-08	-3.71E-08	3.13E-08	1.77E-08	-1.36E-08	1.59E-08	8.99E-09	-6.91E-09	3.13E-08	1.77E-08	-1.36E-08
3095	488863.1	3845877.3	8.65E-08	4.75E-08	-3.89E-08	3.28E-08	1.85E-08	-1.43E-08	1.67E-08	9.43E-09	-7.25E-09	3.28E-08	1.85E-08	-1.43E-08
3096	489363.1	3845877.3	8.56E-08	4.70E-08	-3.85E-08	3.25E-08	1.83E-08	-1.41E-08	1.65E-08	9.33E-09	-7.18E-09	3.25E-08	1.83E-08	-1.41E-08
3097	489863.1	3845877.3	8.29E-08	4.54E-08	-3.74E-08	3.14E-08	1.77E-08	-1.37E-08	1.60E-08	9.01E-09	-6.97E-09	3.14E-08	1.77E-08	-1.37E-08
3098	490363.1	3845877.3	7.88E-08	4.32E-08	-3.56E-08	2.99E-08	1.69E-08	-1.30E-08	1.52E-08	8.57E-09	-6.63E-09	2.99E-08	1.69E-08	-1.30E-08
3099	490863.1	3845877.3	7.12E-08	3.92E-08	-3.20E-08	2.70E-08	1.53E-08	-1.17E-08	1.37E-08	7.77E-09	-5.96E-09	2.70E-08	1.53E-08	-1.17E-08
3100	491363.1	3845877.3	7.48E-08	4.10E-08	-3.38E-08	2.84E-08	1.60E-08	-1.24E-08	1.44E-08	8.13E-09	-6.29E-09	2.84E-08	1.60E-08	-1.24E-08

3101	491863.1	3845877.3	7.61E-08	4.17E-08	-3.44E-08	2.89E-08	1.63E-08	-1.26E-08	1.47E-08	8.28E-09	-6.40E-09	2.89E-08	1.63E-08	-1.26E-08
3102	492363.1	3845877.3	7.07E-08	3.88E-08	-3.19E-08	2.68E-08	1.51E-08	-1.17E-08	1.36E-08	7.69E-09	-5.95E-09	2.68E-08	1.51E-08	-1.17E-08
3103	492863.1	3845877.3	7.57E-08	4.16E-08	-3.40E-08	2.87E-08	1.62E-08	-1.25E-08	1.46E-08	8.26E-09	-6.34E-09	2.87E-08	1.62E-08	-1.25E-08
3104	493363.1	3845877.3	7.70E-08	4.24E-08	-3.47E-08	2.92E-08	1.65E-08	-1.27E-08	1.49E-08	8.40E-09	-6.46E-09	2.92E-08	1.65E-08	-1.27E-08
3105	493863.1	3845877.3	7.79E-08	4.29E-08	-3.51E-08	2.96E-08	1.67E-08	-1.28E-08	1.50E-08	8.50E-09	-6.53E-09	2.96E-08	1.67E-08	-1.28E-08
3106	494363.1	3845877.3	7.84E-08	4.31E-08	-3.53E-08	2.97E-08	1.68E-08	-1.29E-08	1.51E-08	8.55E-09	-6.57E-09	2.97E-08	1.68E-08	-1.29E-08
3107	494863.1	3845877.3	7.84E-08	4.31E-08	-3.53E-08	2.97E-08	1.68E-08	-1.29E-08	1.51E-08	8.55E-09	-6.57E-09	2.97E-08	1.68E-08	-1.29E-08
3108	495363.1	3845877.3	7.88E-08	4.33E-08	-3.55E-08	2.99E-08	1.69E-08	-1.30E-08	1.52E-08	8.60E-09	-6.61E-09	2.99E-08	1.69E-08	-1.30E-08
3109	495863.1	3845877.3	7.93E-08	4.36E-08	-3.57E-08	3.01E-08	1.70E-08	-1.31E-08	1.53E-08	8.65E-09	-6.65E-09	3.01E-08	1.70E-08	-1.31E-08
3110	496363.1	3845877.3	7.97E-08	4.38E-08	-3.59E-08	3.02E-08	1.71E-08	-1.31E-08	1.54E-08	8.69E-09	-6.68E-09	3.02E-08	1.71E-08	-1.31E-08
3111	496863.1	3845877.3	7.93E-08	4.37E-08	-3.55E-08	3.01E-08	1.70E-08	-1.30E-08	1.53E-08	8.67E-09	-6.62E-09	3.01E-08	1.70E-08	-1.30E-08
3112	497363.1	3845877.3	7.93E-08	4.36E-08	-3.57E-08	3.01E-08	1.70E-08	-1.31E-08	1.53E-08	8.65E-09	-6.65E-09	3.01E-08	1.70E-08	-1.31E-08
3113	497863.1	3845877.3	7.88E-08	4.33E-08	-3.55E-08	2.99E-08	1.69E-08	-1.30E-08	1.52E-08	8.60E-09	-6.61E-09	2.99E-08	1.69E-08	-1.30E-08
3114	498363.1	3845877.3	7.84E-08	4.32E-08	-3.51E-08	2.97E-08	1.69E-08	-1.29E-08	1.51E-08	8.57E-09	-6.54E-09	2.97E-08	1.69E-08	-1.29E-08
3115	471363.1	3846377.3	3.06E-06	1.68E-06	-1.38E-06	1.16E-06	6.55E-07	-5.06E-07	5.90E-07	3.33E-07	-2.57E-07	1.16E-06	6.55E-07	-5.06E-07
3116	471863.1	3846377.3	2.58E-06	1.42E-06	-1.17E-06	9.80E-07	5.53E-07	-4.27E-07	4.99E-07	2.81E-07	-2.17E-07	9.80E-07	5.53E-07	-4.27E-07
3117	472363.1	3846377.3	7.86E-07	4.32E-07	-3.55E-07	2.98E-07	1.68E-07	-1.30E-07	1.52E-07	8.56E-08	-6.61E-08	2.98E-07	1.68E-07	-1.30E-07
3118	472863.1	3846377.3	5.46E-07	2.99E-07	-2.46E-07	2.07E-07	1.17E-07	-9.03E-08	1.05E-07	5.94E-08	-4.59E-08	2.07E-07	1.17E-07	-9.03E-08
3119	473363.1	3846377.3	4.30E-07	2.36E-07	-1.94E-07	1.63E-07	9.21E-08	-7.11E-08	8.30E-08	4.68E-08	-3.62E-08	1.63E-07	9.21E-08	-7.11E-08
3120	473863.1	3846377.3	3.85E-07	2.12E-07	-1.73E-07	1.46E-07	8.26E-08	-6.35E-08	7.43E-08	4.20E-08	-3.23E-08	1.46E-07	8.26E-08	-6.35E-08
3121	474363.1	3846377.3	3.48E-07	1.92E-07	-1.56E-07	1.32E-07	7.48E-08	-5.73E-08	6.72E-08	3.80E-08	-2.91E-08	1.32E-07	7.48E-08	-5.73E-08
3122	474863.1	3846377.3	3.27E-07	1.80E-07	-1.47E-07	1.24E-07	7.02E-08	-5.38E-08	6.31E-08	3.57E-08	-2.74E-08	1.24E-07	7.02E-08	-5.38E-08
3123	475363.1	3846377.3	3.04E-07	1.67E-07	-1.37E-07	1.15E-07	6.52E-08	-5.01E-08	5.86E-08	3.32E-08	-2.55E-08	1.15E-07	6.52E-08	-5.01E-08
3124	475863.1	3846377.3	2.87E-07	1.57E-07	-1.30E-07	1.09E-07	6.13E-08	-4.75E-08	5.53E-08	3.12E-08	-2.42E-08	1.09E-07	6.13E-08	-4.75E-08
3125	476363.1	3846377.3	2.63E-07	1.44E-07	-1.19E-07	9.99E-08	5.63E-08	-4.36E-08	5.08E-08	2.86E-08	-2.22E-08	9.99E-08	5.63E-08	-4.36E-08
3126	476863.1	3846377.3	2.44E-07	1.34E-07	-1.10E-07	9.24E-08	5.23E-08	-4.02E-08	4.70E-08	2.66E-08	-2.04E-08	9.24E-08	5.23E-08	-4.02E-08
3127	477363.1	3846377.3	2.26E-07	1.25E-07	-1.01E-07	8.58E-08	4.86E-08	-3.72E-08	4.36E-08	2.47E-08	-1.89E-08	8.58E-08	4.86E-08	-3.72E-08
3128	477863.1	3846377.3	2.09E-07	1.15E-07	-9.35E-08	7.91E-08	4.49E-08	-3.42E-08	4.02E-08	2.28E-08	-1.74E-08	7.91E-08	4.49E-08	-3.42E-08
3129	478363.1	3846377.3	1.96E-07	1.08E-07	-8.82E-08	7.43E-08	4.20E-08	-3.23E-08	3.78E-08	2.14E-08	-1.64E-08	7.43E-08	4.20E-08	-3.23E-08
3130	478863.1	3846377.3	1.89E-07	1.04E-07	-8.51E-08	7.16E-08	4.04E-08	-3.12E-08	3.64E-08	2.05E-08	-1.59E-08	7.16E-08	4.04E-08	-3.12E-08
3131	479363.1	3846377.3	1.80E-07	9.90E-08	-8.11E-08	6.83E-08	3.86E-08	-2.97E-08	3.48E-08	1.96E-08	-1.51E-08	6.83E-08	3.86E-08	-2.97E-08
3132	479863.1	3846377.3	1.71E-07	9.38E-08	-7.69E-08	6.48E-08	3.66E-08	-2.82E-08	3.29E-08	1.86E-08	-1.43E-08	6.48E-08	3.66E-08	-2.82E-08
3133	480363.1	3846377.3	1.65E-07	9.05E-08	-7.43E-08	6.25E-08	3.53E-08	-2.72E-08	3.18E-08	1.80E-08	-1.38E-08	6.25E-08	3.53E-08	-2.72E-08
3134	480863.1	3846377.3	1.52E-07	8.34E-08	-6.84E-08	5.76E-08	3.25E-08	-2.51E-08	2.93E-08	1.65E-08	-1.27E-08	5.76E-08	3.25E-08	-2.51E-08
3135	481363.1	3846377.3	1.45E-07	7.99E-08	-6.55E-08	5.52E-08	3.12E-08	-2.40E-08	2.81E-08	1.59E-08	-1.22E-08	5.52E-08	3.12E-08	-2.40E-08
3136	481863.1	3846377.3	1.37E-07	7.56E-08	-6.17E-08	5.21E-08	2.95E-08	-2.26E-08	2.65E-08	1.50E-08	-1.15E-08	5.21E-08	2.95E-08	-2.26E-08
3137	482363.1	3846377.3	1.29E-07	7.09E-08	-5.79E-08	4.89E-08	2.77E-08	-2.12E-08	2.48E-08	1.41E-08	-1.08E-08	4.89E-08	2.77E-08	-2.12E-08
3138	482863.1	3846377.3	1.18E-07	6.48E-08	-5.28E-08	4.46E-08	2.53E-08	-1.93E-08	2.27E-08	1.28E-08	-9.83E-09	4.46E-08	2.53E-08	-1.93E-08
3139	483363.1	3846377.3	1.18E-07	6.51E-08	-5.33E-08	4.49E-08	2.54E-08	-1.95E-08	2.29E-08	1.29E-08	-9.93E-09	4.49E-08	2.54E-08	-1.95E-08
3140	483863.1	3846377.3	1.15E-07	6.34E-08	-5.19E-08	4.37E-08	2.47E-08	-1.90E-08	2.22E-08	1.26E-08	-9.66E-09	4.37E-08	2.47E-08	-1.90E-08
3141	484363.1	3846377.3	1.09E-07	6.00E-08	-4.90E-08	4.13E-08	2.34E-08	-1.80E-08	2.10E-08	1.19E-08	-9.13E-09	4.13E-08	2.34E-08	-1.80E-08
3142	484863.1	3846377.3	1.12E-07	6.14E-08	-5.02E-08	4.24E-08	2.40E-08	-1.84E-08	2.15E-08	1.22E-08	-9.36E-09	4.24E-08	2.40E-08	-1.84E-08
3143	485363.1	3846377.3	1.10E-07	6.06E-08	-4.98E-08	4.19E-08	2.36E-08	-1.82E-08	2.13E-08	1.20E-08	-9.27E-09	4.19E-08	2.36E-08	-1.82E-08
3144	485863.1	3846377.3	1.06E-07	5.81E-08	-4.77E-08	4.01E-08	2.27E-08	-1.75E-08	2.04E-08	1.15E-08	-8.89E-09	4.01E-08	2.27E-08	-1.75E-08
3145	486363.1	3846377.3	9.77E-08	5.37E-08	-4.40E-08	3.71E-08	2.09E-08	-1.61E-08	1.89E-08	1.06E-08	-8.20E-09	3.71E-08	2.09E-08	-1.61E-08
3146	486863.1	3846377.3	9.46E-08	5.20E-08	-4.26E-08	3.59E-08	2.03E-08	-1.56E-08	1.82E-08	1.03E-08	-7.94E-09	3.59E-08	2.03E-08	-1.56E-08
3147	487363.1	3846377.3	9.50E-08	5.22E-08	-4.28E-08	3.60E-08	2.04E-08	-1.57E-08	1.83E-08	1.04E-08	-7.98E-09	3.60E-08	2.04E-08	-1.57E-08
3148	487863.1	3846377.3	9.82E-08	5.39E-08	-4.42E-08	3.72E-08	2.10E-08	-1.62E-08	1.89E-08	1.07E-08	-8.24E-09	3.72E-08	2.10E-08	-1.62E-08
3149	488363.1	3846377.3	9.59E-08	5.28E-08	-4.31E-08	3.64E-08	2.06E-08	-1.58E-08	1.85E-08	1.05E-08	-8.03E-09	3.64E-08	2.06E-08	-1.58E-08
3150	488863.1	3846377.3	9.46E-08	5.21E-08	-4.25E-08	3.59E-08	2.03E-08	-1.56E-08	1.82E-08	1.03E-08	-7.91E-09	3.59E-08	2.03E-08	-1.56E-08
3151	489363.1	3846377.3	9.32E-08	5.12E-08	-4.20E-08	3.54E-08	2.00E-08	-1.54E-08	1.80E-08	1.02E-08	-7.82E-09	3.54E-08	2.00E-08	-1.54E-08
3152	489863.1	3846377.3	9.01E-08	4.95E-08	-4.06E-08	3.42E-08	1.93E-08	-1.49E-08	1.74E-08	9.82E-09	-7.56E-09	3.42E-08	1.93E-08	-1.49E-08
3153	490363.1	3846377.3	8.24E-08	4.53E-08	-3.71E-08	3.13E-08	1.77E-08	-1.36E-08	1.59E-08	8.99E-09	-6.91E-09	3.13E-08	1.77E-08	-1.36E-08
3154	490863.1	3846377.3	7.88E-08	4.33E-08	-3.55E-08	2.99E-08	1.69E-08	-1.30E-08	1.52E-08	8.60E-09	-6.61E-09	2.99E-08	1.69E-08	-1.30E-08
3155	491363.1	3846377.3	7.75E-08	4.26E-08	-3.49E-08	2.94E-08	1.66E-08	-1.28E-08	1.49E-08	8.45E-09	-6.49E-09	2.94E-08	1.66E-08	-1.28E-08
3156	491863.1	3846377.3	8.20E-08	4.49E-08	-3.70E-08	3.11E-08	1.75E-08	-1.36E-08	1.58E-08	8.91E-09	-6.90E-09	3.11E-08	1.75E-08	-1.36E-08
3157	492363.1	3846377.3	7.97E-08	4.38E-08	-3.59E-08	3.02E-08	1.71E-08	-1.31E-08	1.54E-08	8.69E-09	-6.68E-09	3.02E-08	1.71E-08	-1.31E-08
3158	492863.1	3846377.3	7.97E-08	4.37E-08	-3.60E-08	3.02E-08	1.70E-08	-1.32E-08	1.54E-08	8.67E-09	-6.71E-09	3.02E-08	1.70E-08	-1.32E-08
3159	493363.1	3846377.3	8.24E-08	4.52E-08	-3.72E-08	3.13E-08	1.76E-08	-1.36E-08	1.59E-08	8.96E-09	-6.94E-09	3.13E-08	1.76E-08	-1.36E-08
3160	493863.1	3846377.3	8.29E-08	4.56E-08	-3.73E-08	3.14E-08	1.78E-08	-1.37E-08	1.60E-08	9.04E-09	-6.95E-09	3.14E-08	1.78E-08	-1.37E-08
3161	494363.1	3846377.3	8.29E-08	4.56E-08	-3.73E-08	3.14E-08	1.78E-08	-1.37E-08	1.60E-08	9.04E-09	-6.95E-09	3.14E-08	1.78E-08	-1.37E-08
3162	494863.1	3846377.3	8.33E-08	4.58E-08	-3.75E-08	3.16E-08	1.79E-08	-1.37E-08	1.61E-08	9.09E-09	-6.99E-09	3.16E-08	1.79E-08	-1.37E-08
3163	495363.1	3846377.3	8.33E-08	4.58E-08	-3.75E-08	3.16E-08	1.79E-08	-1.37E-08	1.61E-08	9.09E-09	-6.99E-09	3.16E-08	1.79E-08	-1.37E-08
3164	495863.1	3846377.3	8.38E-08	4.61E-08	-3.77E-08	3.18E-08	1.80E-08	-1.38E-08	1.62E-08	9.13E-09	-7.03E-09	3.18E-08	1.80E-08	-1.38E-08
3165	496363.1	3846377.3	8.42E-08	4.63E-08	-3.79E-08	3.19E-08	1.81E-08	-1.39E-08	1.62E-08	9.18E-09	-7.06E-09	3.19E-08	1.81E-08	-1.39E-08
3166	496863.1	3846377.3	8.38E-08	4.62E-08	-3.76E-08	3.18E-08	1.80E-08	-1.38E-08	1.62E-08	9.16E-09	-7.00E-09	3.18E-08	1.80E-08	-1.38E-08
3167	497363.1	3846377.3	8.38E-08	4.61E-08	-3.77E-08	3.18E-08	1.80E-08	-1.38E-08	1.62E-08	9.13E-09	-7.03E-09	3.18E-08	1.80E-08	-1.38E-08
3168	497863.1	3846377.3	8.33E-08	4.58E-08	-3.75E-08	3.16E-08	1.79E-08	-1.37E-08	1.61E-08	9.09E-09	-6.99E-09	3.16E-08	1.79E-08	-1.37E-08
3169	498363.1	3846377.3	8.24E-08	4.53E-08	-3.71E-08	3.13E-08	1.77E-08	-1.36E-08	1.59E-08	8.99E-09	-6.91E-09	3.13E-08	1.77E-08	-1.36E-08
3170	471363.1	3846877.3	4.20E-07	2.31E-07	-1.89E-07	1.59E-07	9.00E-08	-6.92E-08	8.10E-08	4.58E-08	-3.52E-08	1.59E-07	9.00E-08	-6.92E-08
3171	471863.1	3846877.3	8.92E-07	4.90E-07	-4.02E-07	3.38E-07	1.91E-07	-1.47E-07	1.72E-07	9.71E-08	-7.49E-08	3.38E-07	1.91E-07	-1.47E-07
3172	472363.1	3846877.3	1.13E-05	6.21E-06	-5.12E-06	4.30E-06	2.42E-06	-1.87E-06	2.19E-06	1.23E-06	-9.53E-07	4.30E-06	2.42E-06	-1.87E-06
3173	472863.1	3846877.3	1.36E-06	7.44E-07	-6.12E-07	5.15E-07	2.90E-07	-2.24E-07	2.62E-07	1.48E-07	-1.14E-07	5.15E-07	2.90E-07	-2.24E-07
3174	473363.1	3846877.3	8.37E-07	4.59E-07	-3.78E-07	3.18E-07	1.79E-07	-1.38E-07	1.62E-07	9.11E-08	-7.04E-08	3.18E-07	1.79E-07	-1.38E-07
3175	473863.1	3846877.3	6.77E-07	3.71E-07	-3.05E-07	2.57E-07	1.45E-07	-1.12E-07	1.31E-07	7.37E-08	-5.69E-08	2.57E-07	1.45E-07	-1.12E-07
3176	474363.1	3846877.3	5.43E-07	2.98E-07	-2.45E-07	2.06E-07	1.16E-07	-8.96E-08	1.05E-07	5.91E-08	-4.56E-08	2.06E-07	1.16E-07	-8.96E-08
3177	474863.1	3846877.3	4.60E-07	2.53E-07	-2.07E-07	1.75E-07	9.88E-08	-7.58E-08	8.88E-08	5.02E-08	-3.86E-08	1.75E-07	9.88E-08	-7.58E-08
3178	475363.1	3846877.3	4.01E-07	2.21E-07	-1.80E-07	1.52E-07	8.62E-08	-6.61E-08	7.74E-08	4.38E-08	-3.36E-08	1.52E-07	8.62E-08	-6.61E-08
3179	475863.1	3846877.3	3.77E-07	2.07E-07	-1.70E-07	1.43E-07	8.09E-08	-6.22E-08	7.28E-08	4.12E-08	-3.17E-08	1.43E-07	8.09E-08	-6.22E-08
3180	476363.1	3846877.3	3.45E-07	1.89E-07	-1.56E-07	1.31E-07	7.39E-08	-5.72E-08	6.66E-08	3.76E-08	-2.91E-08	1.31E-07	7.39E-08	-5.72E-08
3181	476863.1	3846877.3	3.13E-07	1.71E-07	-1.41E-07	1.19E-07	6.69E-08	-5.17E-08	6.03E-08	3.40E-08	-2.63E-08	1.19E-07	6.69E-08	-5.17E-08
3182	477363.1	3846877.3	2.86E-07	1.58E-07	-1.29E-07	1.09E-07	6.15E-08	-4.72E-08	5.53E-08	3.13E-08	-2.40E-08	1.09E-07	6.15E-08	-4.72E-08
3183	477863.1	3846877.3	2.60E-07	1.44E-07	-1.17E-07	9.87E-08	5.60E-08	-4.28E-08	5.02E-08	2.85E-08	-2.17E-08	9.87E-08	5.60E-08	-4.28E-08
3184	478363.1	3846877.3	2.42E-07	1.33E-07	-1.09E-07	9.17E-08	5.20E-08	-3.98E-08	4.67E-08	2.64E-08	-2.02E-08	9.17E-08	5.20E-08	-3.98E-08
3185	478863.1	3846877.3	2.30E-07	1.26E-07	-1.03E-07	8.71E-08	4.92E-08	-3.79E-08	4.43E-08	2.50E-08	-1.93E-08	8.71E-08	4.92E-08	-3.79E-08
3186	479363.1	3846877.3	2.15E-07	1.18E-07	-9.69E-08	8.17E-08	4.62E-08	-3.55E-08	4.15E-08	2.35E-08	-1.81E-08	8.17E-08	4.62E-08	-3.55E-08
3187	479863.1	3846877.3	1.91E-07	1.05E-07	-8.62E-08	7.26E-08	4.10E-08	-3.16E-08	3.69E-08	2.09E-08	-1.61E-08	7.26E-08	4.10E-08	-3.16E-08
3188	480363.1	3846877.3	1.75E-07	9.59E-08	-7.88E-08	6.63E-08	3.74E-08	-2.89E-08	3.37E-08	1.90E-08	-1.47E-08	6.63E-08	3.74E-08	-2.89E-08
3189	480863.1	3846877.3	1.64E-07	9.03E-08	-7.41E-08	6.24E-08	3.52E-08	-2.72E-08	3.17E-08	1.79E-08	-1.38E-08	6.24E-08	3.52E-08	-2.72E-08
3190	481363.1	3846877.3	1.62E-07	8.91E-08	-7.30E-08	6.15E-08	3.48E-08	-2.67E-08	3.13E-08	1.77E-08	-1.36E-08	6.15E-08	3.48E-08	-2.67E-08
3191	481863.1	3846877.3	1.56E-07	8.57E-08	-7.01E-08	5.91E-08	3.34E-08	-2.57E-08	3.01E-08	1.70E-08	-1.31E-08	5.91E-08	3.34E-08	-2.57E-08
3192	482363.1	3846877.3	1.44E-07	7.91E-08	-6.46E-08	5.45E-08	3.08E-08	-2.37E-08	2.77E-08	1.57E-08	-1.20E-08	5.45E-08	3.08E-08	-2.37E-08
3193	482863.1	3846877.3	1.39E-07	7.63E-08	-6.24E-08	5.26E-08	2.98E-08	-2.28E-08	2.68E-08	1.51E-08	-1.16E-08	5.26E-08	2.98E-08	-2.28E-08
3194	483363.1	3846877.3	1.35E-07	7.40E-08	-6.06E-08	5.11E-08	2.89E-08	-2.22E-08	2.60E-08	1.47E-08	-1.13E-08	5.11E-08	2.89E-08	-2.22E-08

3195	483863.1	3846877.3	1.31E-07	7.19E-08	-5.87E-08	4.95E-08	2.80E-08	-2.15E-08	2.52E-08	1.43E-08	-1.09E-08	4.95E-08	2.80E-08	-2.15E-08
3196	484363.1	3846877.3	1.29E-07	7.08E-08	-5.80E-08	4.89E-08	2.76E-08	-2.12E-08	2.48E-08	1.40E-08	-1.08E-08	4.89E-08	2.76E-08	-2.12E-08
3197	484863.1	3846877.3	1.25E-07	6.86E-08	-5.62E-08	4.73E-08	2.68E-08	-2.06E-08	2.41E-08	1.36E-08	-1.05E-08	4.73E-08	2.68E-08	-2.06E-08
3198	485363.1	3846877.3	1.23E-07	6.76E-08	-5.53E-08	4.66E-08	2.64E-08	-2.03E-08	2.37E-08	1.34E-08	-1.03E-08	4.66E-08	2.64E-08	-2.03E-08
3199	485863.1	3846877.3	1.18E-07	6.51E-08	-5.33E-08	4.49E-08	2.54E-08	-1.95E-08	2.29E-08	1.29E-08	-9.93E-09	4.49E-08	2.54E-08	-1.95E-08
3200	486363.1	3846877.3	1.19E-07	6.54E-08	-5.35E-08	4.51E-08	2.55E-08	-1.96E-08	2.29E-08	1.30E-08	-9.97E-09	4.51E-08	2.55E-08	-1.96E-08
3201	486863.1	3846877.3	1.10E-07	6.05E-08	-4.94E-08	4.17E-08	2.36E-08	-1.81E-08	2.12E-08	1.20E-08	-9.21E-09	4.17E-08	2.36E-08	-1.81E-08
3202	487363.1	3846877.3	1.09E-07	6.02E-08	-4.92E-08	4.15E-08	2.35E-08	-1.80E-08	2.11E-08	1.19E-08	-9.17E-09	4.15E-08	2.35E-08	-1.80E-08
3203	487863.1	3846877.3	1.08E-07	5.91E-08	-4.85E-08	4.08E-08	2.31E-08	-1.78E-08	2.08E-08	1.17E-08	-9.04E-09	4.08E-08	2.31E-08	-1.78E-08
3204	488363.1	3846877.3	1.04E-07	5.75E-08	-4.70E-08	3.96E-08	2.24E-08	-1.72E-08	2.02E-08	1.14E-08	-8.75E-09	3.96E-08	2.24E-08	-1.72E-08
3205	488863.1	3846877.3	1.03E-07	5.66E-08	-4.65E-08	3.91E-08	2.21E-08	-1.70E-08	1.99E-08	1.12E-08	-8.66E-09	3.91E-08	2.21E-08	-1.70E-08
3206	489363.1	3846877.3	1.02E-07	5.59E-08	-4.59E-08	3.86E-08	2.18E-08	-1.68E-08	1.96E-08	1.11E-08	-8.55E-09	3.86E-08	2.18E-08	-1.68E-08
3207	489863.1	3846877.3	9.82E-08	5.41E-08	-4.41E-08	3.72E-08	2.11E-08	-1.62E-08	1.89E-08	1.07E-08	-8.22E-09	3.72E-08	2.11E-08	-1.62E-08
3208	490363.1	3846877.3	9.14E-08	5.02E-08	-4.12E-08	3.47E-08	1.96E-08	-1.51E-08	1.76E-08	9.96E-09	-7.67E-09	3.47E-08	1.96E-08	-1.51E-08
3209	490863.1	3846877.3	8.83E-08	4.85E-08	-3.98E-08	3.35E-08	1.89E-08	-1.46E-08	1.70E-08	9.62E-09	-7.41E-09	3.35E-08	1.89E-08	-1.46E-08
3210	491363.1	3846877.3	8.74E-08	4.80E-08	-3.93E-08	3.31E-08	1.87E-08	-1.44E-08	1.69E-08	9.53E-09	-7.33E-09	3.31E-08	1.87E-08	-1.44E-08
3211	491863.1	3846877.3	8.42E-08	4.63E-08	-3.79E-08	3.19E-08	1.81E-08	-1.39E-08	1.62E-08	9.18E-09	-7.06E-09	3.19E-08	1.81E-08	-1.39E-08
3212	492363.1	3846877.3	8.83E-08	4.85E-08	-3.98E-08	3.35E-08	1.89E-08	-1.46E-08	1.70E-08	9.62E-09	-7.41E-09	3.35E-08	1.89E-08	-1.46E-08
3213	492863.1	3846877.3	8.78E-08	4.83E-08	-3.95E-08	3.33E-08	1.88E-08	-1.45E-08	1.69E-08	9.57E-09	-7.37E-09	3.33E-08	1.88E-08	-1.45E-08
3214	493363.1	3846877.3	8.78E-08	4.84E-08	-3.94E-08	3.33E-08	1.89E-08	-1.44E-08	1.69E-08	9.60E-09	-7.34E-09	3.33E-08	1.89E-08	-1.44E-08
3215	493863.1	3846877.3	8.78E-08	4.83E-08	-3.95E-08	3.33E-08	1.88E-08	-1.45E-08	1.69E-08	9.57E-09	-7.37E-09	3.33E-08	1.88E-08	-1.45E-08
3216	494363.1	3846877.3	8.74E-08	4.80E-08	-3.93E-08	3.31E-08	1.87E-08	-1.44E-08	1.69E-08	9.53E-09	-7.33E-09	3.31E-08	1.87E-08	-1.44E-08
3217	494863.1	3846877.3	8.69E-08	4.78E-08	-3.91E-08	3.30E-08	1.86E-08	-1.43E-08	1.68E-08	9.48E-09	-7.29E-09	3.30E-08	1.86E-08	-1.43E-08
3218	495363.1	3846877.3	8.65E-08	4.75E-08	-3.89E-08	3.28E-08	1.85E-08	-1.43E-08	1.67E-08	9.43E-09	-7.25E-09	3.28E-08	1.85E-08	-1.43E-08
3219	495863.1	3846877.3	8.60E-08	4.74E-08	-3.86E-08	3.26E-08	1.85E-08	-1.41E-08	1.66E-08	9.40E-09	-7.19E-09	3.26E-08	1.85E-08	-1.41E-08
3220	496363.1	3846877.3	8.60E-08	4.73E-08	-3.87E-08	3.26E-08	1.84E-08	-1.42E-08	1.66E-08	9.38E-09	-7.22E-09	3.26E-08	1.84E-08	-1.42E-08
3221	496863.1	3846877.3	8.65E-08	4.75E-08	-3.89E-08	3.28E-08	1.85E-08	-1.43E-08	1.67E-08	9.43E-09	-7.25E-09	3.28E-08	1.85E-08	-1.43E-08
3222	497363.1	3846877.3	8.69E-08	4.79E-08	-3.90E-08	3.30E-08	1.87E-08	-1.43E-08	1.68E-08	9.50E-09	-7.27E-09	3.30E-08	1.87E-08	-1.43E-08
3223	497863.1	3846877.3	8.74E-08	4.80E-08	-3.93E-08	3.31E-08	1.87E-08	-1.44E-08	1.69E-08	9.53E-09	-7.33E-09	3.31E-08	1.87E-08	-1.44E-08
3224	498363.1	3846877.3	8.60E-08	4.74E-08	-3.86E-08	3.26E-08	1.85E-08	-1.41E-08	1.66E-08	9.40E-09	-7.19E-09	3.26E-08	1.85E-08	-1.41E-08
3225	471363.1	3847377.3	2.72E-07	1.49E-07	-1.22E-07	1.03E-07	5.82E-08	-4.49E-08	5.24E-08	2.96E-08	-2.28E-08	1.03E-07	5.82E-08	-4.49E-08
3226	471863.1	3847377.3	3.71E-07	2.04E-07	-1.67E-07	1.41E-07	7.94E-08	-6.12E-08	7.15E-08	4.04E-08	-3.11E-08	1.41E-07	7.94E-08	-6.12E-08
3227	472363.1	3847377.3	6.39E-07	3.51E-07	-2.88E-07	2.42E-07	1.37E-07	-1.05E-07	1.23E-07	6.96E-08	-5.36E-08	2.42E-07	1.37E-07	-1.05E-07
3228	472863.1	3847377.3	2.86E-06	1.57E-06	-1.29E-06	1.09E-06	6.12E-07	-4.73E-07	5.52E-07	3.11E-07	-2.41E-07	1.09E-06	6.12E-07	-4.73E-07
3229	473363.1	3847377.3	2.63E-06	1.45E-06	-1.19E-06	9.99E-07	5.64E-07	-4.35E-07	5.08E-07	2.87E-07	-2.21E-07	9.99E-07	5.64E-07	-4.35E-07
3230	473863.1	3847377.3	1.24E-06	6.80E-07	-5.58E-07	4.70E-07	2.65E-07	-2.05E-07	2.39E-07	1.35E-07	-1.04E-07	4.70E-07	2.65E-07	-2.05E-07
3231	474363.1	3847377.3	9.08E-07	4.99E-07	-4.10E-07	3.45E-07	1.95E-07	-1.50E-07	1.75E-07	9.89E-08	-7.63E-08	3.45E-07	1.95E-07	-1.50E-07
3232	474863.1	3847377.3	6.71E-07	3.69E-07	-3.02E-07	2.55E-07	1.44E-07	-1.11E-07	1.30E-07	7.32E-08	-5.63E-08	2.55E-07	1.44E-07	-1.11E-07
3233	475363.1	3847377.3	5.34E-07	2.94E-07	-2.40E-07	2.03E-07	1.15E-07	-8.80E-08	1.03E-07	5.83E-08	-4.47E-08	2.03E-07	1.15E-07	-8.80E-08
3234	475863.1	3847377.3	4.90E-07	2.70E-07	-2.20E-07	1.86E-07	1.05E-07	-8.07E-08	9.46E-08	5.36E-08	-4.11E-08	1.86E-07	1.05E-07	-8.07E-08
3235	476363.1	3847377.3	4.49E-07	2.47E-07	-2.02E-07	1.70E-07	9.62E-08	-7.40E-08	8.65E-08	4.89E-08	-3.76E-08	1.70E-07	9.62E-08	-7.40E-08
3236	476863.1	3847377.3	3.93E-07	2.15E-07	-1.77E-07	1.49E-07	8.40E-08	-6.50E-08	7.58E-08	4.27E-08	-3.30E-08	1.49E-07	8.40E-08	-6.50E-08
3237	477363.1	3847377.3	3.55E-07	1.95E-07	-1.60E-07	1.35E-07	7.61E-08	-5.87E-08	6.86E-08	3.87E-08	-2.99E-08	1.35E-07	7.61E-08	-5.87E-08
3238	477863.1	3847377.3	3.21E-07	1.76E-07	-1.44E-07	1.22E-07	6.88E-08	-5.28E-08	6.19E-08	3.50E-08	-2.69E-08	1.22E-07	6.88E-08	-5.28E-08
3239	478363.1	3847377.3	2.94E-07	1.62E-07	-1.32E-07	1.11E-07	6.32E-08	-4.82E-08	5.66E-08	3.21E-08	-2.45E-08	1.11E-07	6.32E-08	-4.82E-08
3240	478863.1	3847377.3	2.76E-07	1.52E-07	-1.24E-07	1.05E-07	5.93E-08	-4.55E-08	5.33E-08	3.01E-08	-2.31E-08	1.05E-07	5.93E-08	-4.55E-08
3241	479363.1	3847377.3	2.45E-07	1.35E-07	-1.10E-07	9.29E-08	5.25E-08	-4.04E-08	4.73E-08	2.67E-08	-2.06E-08	9.29E-08	5.25E-08	-4.04E-08
3242	479863.1	3847377.3	2.10E-07	1.15E-07	-9.45E-08	7.96E-08	4.50E-08	-3.46E-08	4.05E-08	2.29E-08	-1.76E-08	7.96E-08	4.50E-08	-3.46E-08
3243	480363.1	3847377.3	1.77E-07	9.73E-08	-8.02E-08	6.73E-08	3.79E-08	-2.94E-08	3.42E-08	1.93E-08	-1.49E-08	6.73E-08	3.79E-08	-2.94E-08
3244	480863.1	3847377.3	1.64E-07	9.01E-08	-7.42E-08	6.24E-08	3.52E-08	-2.72E-08	3.17E-08	1.79E-08	-1.38E-08	6.24E-08	3.52E-08	-2.72E-08
3245	481363.1	3847377.3	1.67E-07	9.15E-08	-7.51E-08	6.32E-08	3.57E-08	-2.75E-08	3.21E-08	1.81E-08	-1.40E-08	6.32E-08	3.57E-08	-2.75E-08
3246	481863.1	3847377.3	1.76E-07	9.69E-08	-7.92E-08	6.68E-08	3.78E-08	-2.90E-08	3.40E-08	1.92E-08	-1.47E-08	6.68E-08	3.78E-08	-2.90E-08
3247	482363.1	3847377.3	1.69E-07	9.32E-08	-7.61E-08	6.42E-08	3.64E-08	-2.79E-08	3.27E-08	1.85E-08	-1.42E-08	6.42E-08	3.64E-08	-2.79E-08
3248	482863.1	3847377.3	1.60E-07	8.83E-08	-7.20E-08	6.08E-08	3.44E-08	-2.64E-08	3.09E-08	1.75E-08	-1.34E-08	6.08E-08	3.44E-08	-2.64E-08
3249	483363.1	3847377.3	1.52E-07	8.39E-08	-6.84E-08	5.77E-08	3.27E-08	-2.50E-08	2.94E-08	1.66E-08	-1.27E-08	5.77E-08	3.27E-08	-2.50E-08
3250	483863.1	3847377.3	1.48E-07	8.15E-08	-6.66E-08	5.62E-08	3.18E-08	-2.44E-08	2.86E-08	1.62E-08	-1.24E-08	5.62E-08	3.18E-08	-2.44E-08
3251	484363.1	3847377.3	1.48E-07	8.13E-08	-6.64E-08	5.60E-08	3.17E-08	-2.43E-08	2.85E-08	1.61E-08	-1.24E-08	5.60E-08	3.17E-08	-2.43E-08
3252	484863.1	3847377.3	1.42E-07	7.83E-08	-6.40E-08	5.40E-08	3.05E-08	-2.34E-08	2.75E-08	1.55E-08	-1.19E-08	5.40E-08	3.05E-08	-2.34E-08
3253	485363.1	3847377.3	1.39E-07	7.62E-08	-6.25E-08	5.26E-08	2.97E-08	-2.29E-08	2.68E-08	1.51E-08	-1.16E-08	5.26E-08	2.97E-08	-2.29E-08
3254	485863.1	3847377.3	1.36E-07	7.51E-08	-6.13E-08	5.18E-08	2.93E-08	-2.25E-08	2.63E-08	1.49E-08	-1.14E-08	5.18E-08	2.93E-08	-2.25E-08
3255	486363.1	3847377.3	1.35E-07	7.40E-08	-6.06E-08	5.11E-08	2.89E-08	-2.22E-08	2.60E-08	1.47E-08	-1.13E-08	5.11E-08	2.89E-08	-2.22E-08
3256	486863.1	3847377.3	1.26E-07	6.91E-08	-5.66E-08	4.77E-08	2.69E-08	-2.07E-08	2.42E-08	1.37E-08	-1.05E-08	4.77E-08	2.69E-08	-2.07E-08
3257	487363.1	3847377.3	1.24E-07	6.83E-08	-5.60E-08	4.72E-08	2.67E-08	-2.05E-08	2.40E-08	1.36E-08	-1.04E-08	4.72E-08	2.67E-08	-2.05E-08
3258	487863.1	3847377.3	1.18E-07	6.51E-08	-5.33E-08	4.49E-08	2.54E-08	-1.95E-08	2.29E-08	1.29E-08	-9.93E-09	4.49E-08	2.54E-08	-1.95E-08
3259	488363.1	3847377.3	1.15E-07	6.33E-08	-5.20E-08	4.37E-08	2.47E-08	-1.91E-08	2.22E-08	1.26E-08	-9.69E-09	4.37E-08	2.47E-08	-1.91E-08
3260	488863.1	3847377.3	1.13E-07	6.21E-08	-5.10E-08	4.29E-08	2.42E-08	-1.87E-08	2.18E-08	1.23E-08	-9.50E-09	4.29E-08	2.42E-08	-1.87E-08
3261	489363.1	3847377.3	1.11E-07	6.10E-08	-4.98E-08	4.20E-08	2.38E-08	-1.83E-08	2.14E-08	1.21E-08	-9.28E-09	4.20E-08	2.38E-08	-1.83E-08
3262	489863.1	3847377.3	1.06E-07	5.81E-08	-4.77E-08	4.01E-08	2.27E-08	-1.75E-08	2.04E-08	1.15E-08	-8.89E-09	4.01E-08	2.27E-08	-1.75E-08
3263	490363.1	3847377.3	1.01E-07	5.54E-08	-4.55E-08	3.83E-08	2.16E-08	-1.67E-08	1.95E-08	1.10E-08	-8.47E-09	3.83E-08	2.16E-08	-1.67E-08
3264	490863.1	3847377.3	9.86E-08	5.43E-08	-4.43E-08	3.74E-08	2.12E-08	-1.62E-08	1.90E-08	1.08E-08	-8.26E-09	3.74E-08	2.12E-08	-1.62E-08
3265	491363.1	3847377.3	9.64E-08	5.29E-08	-4.34E-08	3.66E-08	2.07E-08	-1.59E-08	1.86E-08	1.05E-08	-8.09E-09	3.66E-08	2.07E-08	-1.59E-08
3266	491863.1	3847377.3	9.73E-08	5.34E-08	-4.38E-08	3.69E-08	2.08E-08	-1.61E-08	1.88E-08	1.06E-08	-8.17E-09	3.69E-08	2.08E-08	-1.61E-08
3267	492363.1	3847377.3	9.46E-08	5.21E-08	-4.25E-08	3.59E-08	2.03E-08	-1.56E-08	1.82E-08	1.03E-08	-7.91E-09	3.59E-08	2.03E-08	-1.56E-08
3268	492863.1	3847377.3	9.46E-08	5.20E-08	-4.26E-08	3.59E-08	2.03E-08	-1.56E-08	1.82E-08	1.03E-08	-7.94E-09	3.59E-08	2.03E-08	-1.56E-08
3269	493363.1	3847377.3	9.37E-08	5.15E-08	-4.22E-08	3.55E-08	2.01E-08	-1.55E-08	1.81E-08	1.02E-08	-7.86E-09	3.55E-08	2.01E-08	-1.55E-08
3270	493863.1	3847377.3	9.14E-08	5.02E-08	-4.12E-08	3.47E-08	1.96E-08	-1.51E-08	1.76E-08	9.96E-09	-7.67E-09	3.47E-08	1.96E-08	-1.51E-08
3271	494363.1	3847377.3	8.96E-08	4.93E-08	-4.04E-08	3.40E-08	1.92E-08	-1.48E-08	1.73E-08	9.77E-09	-7.52E-09	3.40E-08	1.92E-08	-1.48E-08
3272	494863.1	3847377.3	8.83E-08	4.86E-08	-3.96E-08	3.35E-08	1.90E-08	-1.45E-08	1.70E-08	9.65E-09	-7.38E-09	3.35E-08	1.90E-08	-1.45E-08
3273	495363.1	3847377.3	8.74E-08	4.81E-08	-3.92E-08	3.31E-08	1.88E-08	-1.44E-08	1.69E-08	9.55E-09	-7.31E-09	3.31E-08	1.88E-08	-1.44E-08
3274	495863.1	3847377.3	8.69E-08	4.79E-08	-3.90E-08	3.30E-08	1.87E-08	-1.43E-08	1.68E-08	9.50E-09	-7.27E-09	3.30E-08	1.87E-08	-1.43E-08
3275	496363.1	3847377.3	8.65E-08	4.77E-08	-3.88E-08	3.28E-08	1.86E-08	-1.42E-08	1.67E-08	9.45E-09	-7.23E-09	3.28E-08	1.86E-08	-1.42E-08
3276	496863.1	3847377.3	8.74E-08	4.80E-08	-3.93E-08	3.31E-08	1.87E-08	-1.44E-08	1.69E-08	9.53E-09	-7.33E-09	3.31E-08	1.87E-08	-1.44E-08
3277	497363.1	3847377.3	8.83E-08	4.86E-08	-3.96E-08	3.35E-08	1.90E-08	-1.45E-08	1.70E-08	9.65E-09	-7.38E-09	3.35E-08	1.90E-08	-1.45E-08
3278	497863.1	3847377.3	9.01E-08	4.96E-08	-4.04E-08	3.42E-08	1.94E-08	-1.48E-08	1.74E-08	9.84E-09	-7.53E-09	3.42E-08	1.94E-08	-1.48E-08
3279	498363.1	3847377.3	8.96E-08	4.94E-08	-4.02E-08	3.40E-08	1.93E-08	-1.47E-08	1.73E-08	9.79E-09	-7.50E-09	3.40E-08	1.93E-08	-1.47E-08
3280	471363.1	3847877.3	2.14E-07	1.18E-07	-9.68E-08	8.13E-08	4.59E-08	-3.55E-08	4.14E-08	2.33E-08	-1.80E-08	8.13E-08	4.59E-08	-3.55E-08
3281	471863.1	3847877.3	2.59E-07	1.42E-07	-1.17E-07	9.84E-08	5.56E-08	-4.28E-08	5.00E-08	2.83E-08	-2.18E-08	9.84E-08	5.56E-08	-4.28E-08
3282	472363.1	3847877.3	3.40E-07	1.87E-07	-1.53E-07	1.29E-07	7.29E-08	-5.61E-08	6.56E-08	3.71E-08	-2.85E-08	1.29E-07	7.29E-08	-5.61E-08
3283	472863.1	3847877.3	5.04E-07	2.77E-07	-2.27E-07	1.91E-07	1.08E-07	-8.32E-08	9.73E-08	5.50E-08	-4.23E-08	1.91E-07	1.08E-07	-8.32E-08
3284	473363.1	3847877.3	9.99E-07	5.48E-07	-4.51E-07	3.79E-07	2.14E-07	-1.65E-07	1.93E-07	1.09E-07	-8.40E-08	3.79E-07	2.14E-07	-1.65E-07
3285	473863.1	3847877.3	1.77E-05	9.62E-06	-8.04E-06	6.70E-06	3.75E-06	-2.95E-06	3.41E-06	1.91E-06	-1.50E-06	6.70E-06	3.75E-06	-2.95E-06
3286	474363.1	3847877.3	1.90E-06	1.04E-06	-8.55E-07	7.20E-07	4.07E-07	-3.13E-07	3.66E-07	2.07E-07	-1.59E-07	7.20E-07	4.07E-07	-3.13E-07
3287	474863.1	3847877.3	1.15E-06	6.33E-07	-5.20E-07	4.37E-07	2.47E-07	-1.91E-07	2.22E-07	1.26E-07	-9.69E-08	4.37E-07	2.47E-07	-1.91E-07
3288	475363.1	3847877.3	7.73E-07	4.25E-07	-3.49E-07	2.93E-07	1.66E-07	-1.28E-07	1.49E-07	8.42E-08	-6.49E-08	2.93E-07	1.66E-07	-1.28E-07

3289	475863.1	3847877.3	5.94E-07	3.27E-07	-2.67E-07	2.25E-07	1.27E-07	-9.79E-08	1.15E-07	6.48E-08	-4.98E-08	2.25E-07	1.27E-07	-9.79E-08
3290	476363.1	3847877.3	5.66E-07	3.11E-07	-2.54E-07	2.15E-07	1.21E-07	-9.32E-08	1.09E-07	6.17E-08	-4.74E-08	2.15E-07	1.21E-07	-9.32E-08
3291	476863.1	3847877.3	4.95E-07	2.72E-07	-2.23E-07	1.88E-07	1.06E-07	-8.17E-08	9.55E-08	5.40E-08	-4.15E-08	1.88E-07	1.06E-07	-8.17E-08
3292	477363.1	3847877.3	4.39E-07	2.40E-07	-1.98E-07	1.66E-07	9.38E-08	-7.26E-08	8.46E-08	4.77E-08	-3.69E-08	1.66E-07	9.38E-08	-7.26E-08
3293	477863.1	3847877.3	3.97E-07	2.18E-07	-1.79E-07	1.51E-07	8.50E-08	-6.56E-08	7.65E-08	4.32E-08	-3.33E-08	1.51E-07	8.50E-08	-6.56E-08
3294	478363.1	3847877.3	3.59E-07	1.98E-07	-1.61E-07	1.36E-07	7.70E-08	-5.91E-08	6.92E-08	3.92E-08	-3.01E-08	1.36E-07	7.70E-08	-5.91E-08
3295	478863.1	3847877.3	3.31E-07	1.82E-07	-1.48E-07	1.25E-07	7.10E-08	-5.44E-08	6.38E-08	3.61E-08	-2.76E-08	1.25E-07	7.10E-08	-5.44E-08
3296	479363.1	3847877.3	2.77E-07	1.52E-07	-1.25E-07	1.05E-07	5.94E-08	-4.57E-08	5.34E-08	3.02E-08	-2.32E-08	1.05E-07	5.94E-08	-4.57E-08
3297	479863.1	3847877.3	2.15E-07	1.18E-07	-9.71E-08	8.17E-08	4.61E-08	-3.56E-08	4.15E-08	2.34E-08	-1.81E-08	8.17E-08	4.61E-08	-3.56E-08
3298	480363.1	3847877.3	2.12E-07	1.16E-07	-9.54E-08	8.03E-08	4.53E-08	-3.50E-08	4.08E-08	2.31E-08	-1.78E-08	8.03E-08	4.53E-08	-3.50E-08
3299	480863.1	3847877.3	1.95E-07	1.07E-07	-8.80E-08	7.40E-08	4.17E-08	-3.22E-08	3.76E-08	2.12E-08	-1.64E-08	7.40E-08	4.17E-08	-3.22E-08
3300	481363.1	3847877.3	1.90E-07	1.04E-07	-8.55E-08	7.19E-08	4.06E-08	-3.13E-08	3.66E-08	2.06E-08	-1.59E-08	7.19E-08	4.06E-08	-3.13E-08
3301	481863.1	3847877.3	2.06E-07	1.14E-07	-9.27E-08	7.82E-08	4.43E-08	-3.40E-08	3.98E-08	2.25E-08	-1.73E-08	7.82E-08	4.43E-08	-3.40E-08
3302	482363.1	3847877.3	1.95E-07	1.07E-07	-8.76E-08	7.40E-08	4.19E-08	-3.21E-08	3.76E-08	2.13E-08	-1.63E-08	7.40E-08	4.19E-08	-3.21E-08
3303	482863.1	3847877.3	1.82E-07	1.00E-07	-8.20E-08	6.92E-08	3.91E-08	-3.01E-08	3.52E-08	1.99E-08	-1.53E-08	6.92E-08	3.91E-08	-3.01E-08
3304	483363.1	3847877.3	1.73E-07	9.54E-08	-7.80E-08	6.58E-08	3.72E-08	-2.86E-08	3.34E-08	1.89E-08	-1.45E-08	6.58E-08	3.72E-08	-2.86E-08
3305	483863.1	3847877.3	1.68E-07	9.27E-08	-7.57E-08	6.39E-08	3.62E-08	-2.77E-08	3.25E-08	1.84E-08	-1.41E-08	6.39E-08	3.62E-08	-2.77E-08
3306	484363.1	3847877.3	1.67E-07	9.17E-08	-7.49E-08	6.32E-08	3.58E-08	-2.74E-08	3.21E-08	1.82E-08	-1.40E-08	6.32E-08	3.58E-08	-2.74E-08
3307	484863.1	3847877.3	1.61E-07	8.88E-08	-7.24E-08	6.12E-08	3.46E-08	-2.65E-08	3.11E-08	1.76E-08	-1.35E-08	6.12E-08	3.46E-08	-2.65E-08
3308	485363.1	3847877.3	1.59E-07	8.72E-08	-7.13E-08	6.01E-08	3.40E-08	-2.61E-08	3.06E-08	1.73E-08	-1.33E-08	6.01E-08	3.40E-08	-2.61E-08
3309	485863.1	3847877.3	1.55E-07	8.55E-08	-6.99E-08	5.89E-08	3.33E-08	-2.56E-08	3.00E-08	1.69E-08	-1.30E-08	5.89E-08	3.33E-08	-2.56E-08
3310	486363.1	3847877.3	1.48E-07	8.13E-08	-6.64E-08	5.60E-08	3.17E-08	-2.43E-08	2.85E-08	1.61E-08	-1.24E-08	5.60E-08	3.17E-08	-2.43E-08
3311	486863.1	3847877.3	1.41E-07	7.78E-08	-6.36E-08	5.36E-08	3.04E-08	-2.33E-08	2.73E-08	1.54E-08	-1.18E-08	5.36E-08	3.04E-08	-2.33E-08
3312	487363.1	3847877.3	1.36E-07	7.51E-08	-6.13E-08	5.18E-08	2.93E-08	-2.25E-08	2.63E-08	1.49E-08	-1.14E-08	5.18E-08	2.93E-08	-2.25E-08
3313	487863.1	3847877.3	1.30E-07	7.15E-08	-5.86E-08	4.94E-08	2.79E-08	-2.15E-08	2.51E-08	1.42E-08	-1.09E-08	4.94E-08	2.79E-08	-2.15E-08
3314	488363.1	3847877.3	1.26E-07	6.93E-08	-5.68E-08	4.78E-08	2.70E-08	-2.08E-08	2.43E-08	1.38E-08	-1.06E-08	4.78E-08	2.70E-08	-2.08E-08
3315	488863.1	3847877.3	1.23E-07	6.78E-08	-5.55E-08	4.68E-08	2.65E-08	-2.03E-08	2.38E-08	1.35E-08	-1.03E-08	4.68E-08	2.65E-08	-2.03E-08
3316	489363.1	3847877.3	1.21E-07	6.64E-08	-5.43E-08	4.58E-08	2.59E-08	-1.99E-08	2.33E-08	1.32E-08	-1.01E-08	4.58E-08	2.59E-08	-1.99E-08
3317	489863.1	3847877.3	1.20E-07	6.59E-08	-5.39E-08	4.54E-08	2.57E-08	-1.98E-08	2.31E-08	1.31E-08	-1.00E-08	4.54E-08	2.57E-08	-1.98E-08
3318	490363.1	3847877.3	1.16E-07	6.40E-08	-5.22E-08	4.41E-08	2.50E-08	-1.91E-08	2.24E-08	1.27E-08	-9.72E-09	4.41E-08	2.50E-08	-1.91E-08
3319	490863.1	3847877.3	1.12E-07	6.17E-08	-5.04E-08	4.25E-08	2.41E-08	-1.85E-08	2.16E-08	1.22E-08	-9.40E-09	4.25E-08	2.41E-08	-1.85E-08
3320	491363.1	3847877.3	1.06E-07	5.85E-08	-4.78E-08	4.03E-08	2.28E-08	-1.75E-08	2.05E-08	1.16E-08	-8.90E-09	4.03E-08	2.28E-08	-1.75E-08
3321	491863.1	3847877.3	1.04E-07	5.73E-08	-4.68E-08	3.95E-08	2.23E-08	-1.71E-08	2.01E-08	1.14E-08	-8.71E-09	3.95E-08	2.23E-08	-1.71E-08
3322	492363.1	3847877.3	1.02E-07	5.63E-08	-4.60E-08	3.88E-08	2.19E-08	-1.68E-08	1.97E-08	1.12E-08	-8.56E-09	3.88E-08	2.19E-08	-1.68E-08
3323	492863.1	3847877.3	1.00E-07	5.52E-08	-4.53E-08	3.81E-08	2.15E-08	-1.66E-08	1.94E-08	1.09E-08	-8.43E-09	3.81E-08	2.15E-08	-1.66E-08
3324	493363.1	3847877.3	9.59E-08	5.27E-08	-4.32E-08	3.64E-08	2.06E-08	-1.58E-08	1.85E-08	1.05E-08	-8.05E-09	3.64E-08	2.06E-08	-1.58E-08
3325	493863.1	3847877.3	9.28E-08	5.10E-08	-4.18E-08	3.52E-08	1.99E-08	-1.53E-08	1.79E-08	1.01E-08	-7.79E-09	3.52E-08	1.99E-08	-1.53E-08
3326	494363.1	3847877.3	9.05E-08	4.99E-08	-4.06E-08	3.43E-08	1.95E-08	-1.49E-08	1.75E-08	9.89E-09	-7.57E-09	3.43E-08	1.95E-08	-1.49E-08
3327	494863.1	3847877.3	8.96E-08	4.94E-08	-4.02E-08	3.40E-08	1.93E-08	-1.47E-08	1.73E-08	9.79E-09	-7.50E-09	3.40E-08	1.93E-08	-1.47E-08
3328	495363.1	3847877.3	8.74E-08	4.81E-08	-3.92E-08	3.31E-08	1.88E-08	-1.44E-08	1.69E-08	9.55E-09	-7.31E-09	3.31E-08	1.88E-08	-1.44E-08
3329	495863.1	3847877.3	8.20E-08	4.51E-08	-3.69E-08	3.11E-08	1.76E-08	-1.35E-08	1.58E-08	8.94E-09	-6.87E-09	3.11E-08	1.76E-08	-1.35E-08
3330	496363.1	3847877.3	8.65E-08	4.77E-08	-3.88E-08	3.28E-08	1.86E-08	-1.42E-08	1.67E-08	9.45E-09	-7.23E-09	3.28E-08	1.86E-08	-1.42E-08
3331	496863.1	3847877.3	8.74E-08	4.81E-08	-3.92E-08	3.31E-08	1.88E-08	-1.44E-08	1.69E-08	9.55E-09	-7.31E-09	3.31E-08	1.88E-08	-1.44E-08
3332	497363.1	3847877.3	8.87E-08	4.89E-08	-3.98E-08	3.37E-08	1.91E-08	-1.46E-08	1.71E-08	9.70E-09	-7.42E-09	3.37E-08	1.91E-08	-1.46E-08
3333	497863.1	3847877.3	9.28E-08	5.12E-08	-4.15E-08	3.52E-08	2.00E-08	-1.52E-08	1.79E-08	1.02E-08	-7.74E-09	3.52E-08	2.00E-08	-1.52E-08
3334	498363.1	3847877.3	9.32E-08	5.15E-08	-4.18E-08	3.54E-08	2.01E-08	-1.53E-08	1.80E-08	1.02E-08	-7.78E-09	3.54E-08	2.01E-08	-1.53E-08
3335	471363.1	3848377.3	1.82E-07	1.00E-07	-8.23E-08	6.92E-08	3.90E-08	-3.01E-08	3.52E-08	1.99E-08	-1.53E-08	6.92E-08	3.90E-08	-3.01E-08
3336	471863.1	3848377.3	2.11E-07	1.16E-07	-9.53E-08	8.01E-08	4.52E-08	-3.49E-08	4.07E-08	2.30E-08	-1.78E-08	8.01E-08	4.52E-08	-3.49E-08
3337	472363.1	3848377.3	2.52E-07	1.38E-07	-1.14E-07	9.55E-08	5.39E-08	-4.16E-08	4.86E-08	2.74E-08	-2.12E-08	9.55E-08	5.39E-08	-4.16E-08
3338	472863.1	3848377.3	3.14E-07	1.72E-07	-1.41E-07	1.19E-07	6.72E-08	-5.18E-08	6.06E-08	3.42E-08	-2.64E-08	1.19E-07	6.72E-08	-5.18E-08
3339	473363.1	3848377.3	4.23E-07	2.33E-07	-1.91E-07	1.61E-07	9.07E-08	-6.99E-08	8.17E-08	4.61E-08	-3.55E-08	1.61E-07	9.07E-08	-6.99E-08
3340	473863.1	3848377.3	6.88E-07	3.78E-07	-3.10E-07	2.61E-07	1.47E-07	-1.14E-07	1.33E-07	7.50E-08	-5.78E-08	2.61E-07	1.47E-07	-1.14E-07
3341	474363.1	3848377.3	3.05E-06	1.67E-06	-1.38E-06	1.16E-06	6.53E-07	-5.04E-07	5.89E-07	3.32E-07	-2.56E-07	1.16E-06	6.53E-07	-5.04E-07
3342	474863.1	3848377.3	2.46E-06	1.35E-06	-1.11E-06	9.32E-07	5.26E-07	-4.06E-07	4.74E-07	2.68E-07	-2.07E-07	9.32E-07	5.26E-07	-4.06E-07
3343	475363.1	3848377.3	1.38E-06	7.56E-07	-6.22E-07	5.23E-07	2.95E-07	-2.28E-07	2.66E-07	1.50E-07	-1.16E-07	5.23E-07	2.95E-07	-2.28E-07
3344	475863.1	3848377.3	8.89E-07	4.88E-07	-4.01E-07	3.37E-07	1.90E-07	-1.47E-07	1.71E-07	9.67E-08	-7.47E-08	3.37E-07	1.90E-07	-1.47E-07
3345	476363.1	3848377.3	6.67E-07	3.66E-07	-3.00E-07	2.53E-07	1.43E-07	-1.10E-07	1.29E-07	7.27E-08	-5.59E-08	2.53E-07	1.43E-07	-1.10E-07
3346	476863.1	3848377.3	6.48E-07	3.57E-07	-2.91E-07	2.46E-07	1.39E-07	-1.07E-07	1.25E-07	7.07E-08	-5.43E-08	2.46E-07	1.39E-07	-1.07E-07
3347	477363.1	3848377.3	5.70E-07	3.13E-07	-2.57E-07	2.16E-07	1.22E-07	-9.40E-08	1.10E-07	6.21E-08	-4.78E-08	2.16E-07	1.22E-07	-9.40E-08
3348	477863.1	3848377.3	5.14E-07	2.82E-07	-2.32E-07	1.95E-07	1.10E-07	-8.51E-08	9.91E-08	5.59E-08	-4.33E-08	1.95E-07	1.10E-07	-8.51E-08
3349	478363.1	3848377.3	4.62E-07	2.54E-07	-2.08E-07	1.75E-07	9.90E-08	-7.63E-08	8.91E-08	5.03E-08	-3.88E-08	1.75E-07	9.90E-08	-7.63E-08
3350	478863.1	3848377.3	4.08E-07	2.25E-07	-1.84E-07	1.55E-07	8.77E-08	-6.73E-08	7.88E-08	4.46E-08	-3.42E-08	1.55E-07	8.77E-08	-6.73E-08
3351	479363.1	3848377.3	3.40E-07	1.87E-07	-1.53E-07	1.29E-07	7.29E-08	-5.59E-08	6.55E-08	3.71E-08	-2.84E-08	1.29E-07	7.29E-08	-5.59E-08
3352	479863.1	3848377.3	2.13E-07	1.17E-07	-9.58E-08	8.06E-08	4.55E-08	-3.51E-08	4.10E-08	2.32E-08	-1.79E-08	8.06E-08	4.55E-08	-3.51E-08
3353	480363.1	3848377.3	2.38E-07	1.31E-07	-1.07E-07	9.04E-08	5.11E-08	-3.93E-08	4.60E-08	2.60E-08	-2.00E-08	9.04E-08	5.11E-08	-3.93E-08
3354	480863.1	3848377.3	2.60E-07	1.43E-07	-1.17E-07	9.87E-08	5.58E-08	-4.30E-08	5.02E-08	2.84E-08	-2.19E-08	9.87E-08	5.58E-08	-4.30E-08
3355	481363.1	3848377.3	2.49E-07	1.37E-07	-1.12E-07	9.43E-08	5.33E-08	-4.10E-08	4.80E-08	2.71E-08	-2.09E-08	9.43E-08	5.33E-08	-4.10E-08
3356	481863.1	3848377.3	2.40E-07	1.32E-07	-1.08E-07	9.11E-08	5.15E-08	-3.95E-08	4.63E-08	2.62E-08	-2.01E-08	9.11E-08	5.15E-08	-3.95E-08
3357	482363.1	3848377.3	2.30E-07	1.27E-07	-1.03E-07	8.71E-08	4.94E-08	-3.78E-08	4.43E-08	2.51E-08	-1.92E-08	8.71E-08	4.94E-08	-3.78E-08
3358	482863.1	3848377.3	2.11E-07	1.16E-07	-9.48E-08	8.01E-08	4.54E-08	-3.47E-08	4.07E-08	2.31E-08	-1.77E-08	8.01E-08	4.54E-08	-3.47E-08
3359	483363.1	3848377.3	2.01E-07	1.11E-07	-9.02E-08	7.62E-08	4.32E-08	-3.30E-08	3.87E-08	2.20E-08	-1.68E-08	7.62E-08	4.32E-08	-3.30E-08
3360	483863.1	3848377.3	1.88E-07	1.04E-07	-8.46E-08	7.14E-08	4.04E-08	-3.10E-08	3.63E-08	2.06E-08	-1.58E-08	7.14E-08	4.04E-08	-3.10E-08
3361	484363.1	3848377.3	1.83E-07	1.01E-07	-8.23E-08	6.95E-08	3.94E-08	-3.02E-08	3.54E-08	2.00E-08	-1.53E-08	6.95E-08	3.94E-08	-3.02E-08
3362	484863.1	3848377.3	1.83E-07	1.01E-07	-8.24E-08	6.95E-08	3.93E-08	-3.02E-08	3.54E-08	2.00E-08	-1.54E-08	6.95E-08	3.93E-08	-3.02E-08
3363	485363.1	3848377.3	1.77E-07	9.74E-08	-7.96E-08	6.71E-08	3.80E-08	-2.92E-08	3.41E-08	1.93E-08	-1.48E-08	6.71E-08	3.80E-08	-2.92E-08
3364	485863.1	3848377.3	1.72E-07	9.46E-08	-7.75E-08	6.53E-08	3.69E-08	-2.84E-08	3.32E-08	1.88E-08	-1.44E-08	6.53E-08	3.69E-08	-2.84E-08
3365	486363.1	3848377.3	1.64E-07	9.04E-08	-7.40E-08	6.24E-08	3.53E-08	-2.71E-08	3.17E-08	1.79E-08	-1.38E-08	6.24E-08	3.53E-08	-2.71E-08
3366	486863.1	3848377.3	1.56E-07	8.59E-08	-7.03E-08	5.93E-08	3.35E-08	-2.58E-08	3.01E-08	1.70E-08	-1.31E-08	5.93E-08	3.35E-08	-2.58E-08
3367	487363.1	3848377.3	1.47E-07	8.08E-08	-6.60E-08	5.57E-08	3.15E-08	-2.42E-08	2.83E-08	1.60E-08	-1.23E-08	5.57E-08	3.15E-08	-2.42E-08
3368	487863.1	3848377.3	1.42E-07	7.83E-08	-6.40E-08	5.40E-08	3.05E-08	-2.34E-08	2.75E-08	1.55E-08	-1.19E-08	5.40E-08	3.05E-08	-2.34E-08
3369	488363.1	3848377.3	1.38E-07	7.59E-08	-6.20E-08	5.23E-08	2.96E-08	-2.27E-08	2.66E-08	1.50E-08	-1.15E-08	5.23E-08	2.96E-08	-2.27E-08
3370	488863.1	3848377.3	1.34E-07	7.36E-08	-6.01E-08	5.07E-08	2.87E-08	-2.20E-08	2.58E-08	1.46E-08	-1.12E-08	5.07E-08	2.87E-08	-2.20E-08
3371	489363.1	3848377.3	1.31E-07	7.22E-08	-5.89E-08	4.97E-08	2.81E-08	-2.16E-08	2.53E-08	1.43E-08	-1.10E-08	4.97E-08	2.81E-08	-2.16E-08
3372	489863.1	3848377.3	1.30E-07	7.17E-08	-5.85E-08	4.94E-08	2.80E-08	-2.14E-08	2.51E-08	1.42E-08	-1.09E-08	4.94E-08	2.80E-08	-2.14E-08
3373	490363.1	3848377.3	1.26E-07	6.94E-08	-5.66E-08	4.78E-08	2.71E-08	-2.08E-08	2.43E-08	1.38E-08	-1.06E-08	4.78E-08	2.71E-08	-2.08E-08
3374	490863.1	3848377.3	1.20E-07	6.62E-08	-5.40E-08	4.56E-08	2.58E-08	-1.98E-08	2.32E-08	1.31E-08	-1.01E-08	4.56E-08	2.58E-08	-1.98E-08
3375	491363.1	3848377.3	1.15E-07	6.34E-08	-5.19E-08	4.37E-08	2.47E-08	-1.90E-08	2.22E-08	1.26E-08	-9.66E-09	4.37E-08	2.47E-08	-1.90E-08
3376	491863.1	3848377.3	1.12E-07	6.14E-08	-5.02E-08	4.24E-08	2.40E-08	-1.84E-08	2.15E-08	1.22E-08	-9.36E-09	4.24E-08	2.40E-08	-1.84E-08
3377	492363.1	3848377.3	1.06E-07	5.82E-08	-4.76E-08	4.01E-08	2.27E-08	-1.74E-08	2.04E-08	1.16E-08	-8.87E-09	4.01E-08	2.27E-08	-1.74E-08
3378	492863.1	3848377.3	1.00E-07	5.50E-08	-4.49E-08	3.79E-08	2.15E-08	-1.65E-08	1.93E-08	1.09E-08	-8.37E-09	3.79E-08	2.15E-08	-1.65E-08
3379	493363.1	3848377.3	9.68E-08	5.33E-08	-4.35E-08	3.67E-08	2.08E-08	-1.59E-08	1.87E-08	1.06E-08	-8.10E-09	3.67E-08	2.08E-08	-1.59E-08
3380	493863.1	3848377.3	9.32E-08	5.13E-08	-4.19E-08	3.54E-08	2.00E-08	-1.53E-08	1.80E-08	1.02E-08	-7.80E-09	3.54E-08	2.00E-08	-1.53E-08
3381	494363.1	3848377.3	9.05E-08	4.99E-08	-4.06E-08	3.43E-08	1.95E-08	-1.49E-08	1.75E-08	9.89E-09	-7.57E-09	3.43E-08	1.95E-08	-1.49E-08
3382	494863.1	3848377.3	8.96E-08	4.95E-08	-4.01E-08	3.40E-08	1.93E-08	-1.47E-08	1.73E-08	9.82E-09	-7.47E-09	3.40E-08	1.93E-08	-1.47E-08

3383	495363.1	3848377.3	8.56E-08	4.72E-08	-3.84E-08	3.25E-08	1.84E-08	-1.41E-08	1.65E-08	9.35E-09	-7.15E-09	3.25E-08	1.84E-08	-1.41E-08
3384	495863.1	3848377.3	8.38E-08	4.63E-08	-3.75E-08	3.18E-08	1.81E-08	-1.37E-08	1.62E-08	9.18E-09	-6.98E-09	3.18E-08	1.81E-08	-1.37E-08
3385	496363.1	3848377.3	8.56E-08	4.72E-08	-3.84E-08	3.25E-08	1.84E-08	-1.41E-08	1.65E-08	9.35E-09	-7.15E-09	3.25E-08	1.84E-08	-1.41E-08
3386	496863.1	3848377.3	8.33E-08	4.61E-08	-3.73E-08	3.16E-08	1.80E-08	-1.36E-08	1.61E-08	9.13E-09	-6.94E-09	3.16E-08	1.80E-08	-1.36E-08
3387	497363.1	3848377.3	8.65E-08	4.78E-08	-3.87E-08	3.28E-08	1.86E-08	-1.42E-08	1.67E-08	9.48E-09	-7.21E-09	3.28E-08	1.86E-08	-1.42E-08
3388	497863.1	3848377.3	9.64E-08	5.32E-08	-4.32E-08	3.66E-08	2.07E-08	-1.58E-08	1.86E-08	1.06E-08	-8.04E-09	3.66E-08	2.07E-08	-1.58E-08
3389	498363.1	3848377.3	9.59E-08	5.29E-08	-4.30E-08	3.64E-08	2.07E-08	-1.57E-08	1.85E-08	1.05E-08	-8.00E-09	3.64E-08	2.07E-08	-1.57E-08
3390	471363.1	3848877.3	1.60E-07	8.78E-08	-7.21E-08	6.07E-08	3.42E-08	-2.64E-08	3.08E-08	1.74E-08	-1.34E-08	6.07E-08	3.42E-08	-2.64E-08
3391	471863.1	3848877.3	1.78E-07	9.76E-08	-8.02E-08	6.75E-08	3.81E-08	-2.94E-08	3.43E-08	1.94E-08	-1.50E-08	6.75E-08	3.81E-08	-2.94E-08
3392	472363.1	3848877.3	2.02E-07	1.11E-07	-9.11E-08	7.65E-08	4.32E-08	-3.34E-08	3.89E-08	2.20E-08	-1.70E-08	7.65E-08	4.32E-08	-3.34E-08
3393	472863.1	3848877.3	2.37E-07	1.30E-07	-1.07E-07	9.00E-08	5.08E-08	-3.93E-08	4.58E-08	2.58E-08	-2.00E-08	9.00E-08	5.08E-08	-3.93E-08
3394	473363.1	3848877.3	2.90E-07	1.59E-07	-1.31E-07	1.10E-07	6.21E-08	-4.79E-08	5.60E-08	3.16E-08	-2.44E-08	1.10E-07	6.21E-08	-4.79E-08
3395	473863.1	3848877.3	3.84E-07	2.11E-07	-1.73E-07	1.46E-07	8.24E-08	-6.34E-08	7.41E-08	4.19E-08	-3.22E-08	1.46E-07	8.24E-08	-6.34E-08
3396	474363.1	3848877.3	5.96E-07	3.28E-07	-2.68E-07	2.26E-07	1.28E-07	-9.84E-08	1.15E-07	6.50E-08	-5.00E-08	2.26E-07	1.28E-07	-9.84E-08
3397	474863.1	3848877.3	1.92E-06	1.06E-06	-8.67E-07	7.30E-07	4.12E-07	-3.18E-07	3.71E-07	2.10E-07	-1.62E-07	7.30E-07	4.12E-07	-3.18E-07
3398	475363.1	3848877.3	4.15E-06	2.28E-06	-1.87E-06	1.57E-06	8.88E-07	-6.85E-07	8.00E-07	4.52E-07	-3.48E-07	1.57E-06	8.88E-07	-6.85E-07
3399	475863.1	3848877.3	2.02E-06	1.11E-06	-9.13E-07	7.68E-07	4.34E-07	-3.35E-07	3.91E-07	2.20E-07	-1.70E-07	7.68E-07	4.34E-07	-3.35E-07
3400	476363.1	3848877.3	1.42E-06	7.79E-07	-6.40E-07	5.38E-07	3.04E-07	-2.34E-07	2.74E-07	1.54E-07	-1.19E-07	5.38E-07	3.04E-07	-2.34E-07
3401	476863.1	3848877.3	1.08E-06	5.92E-07	-4.85E-07	4.08E-07	2.31E-07	-1.78E-07	2.08E-07	1.17E-07	-9.04E-08	4.08E-07	2.31E-07	-1.78E-07
3402	477363.1	3848877.3	9.74E-07	5.36E-07	-4.38E-07	3.70E-07	2.09E-07	-1.61E-07	1.88E-07	1.06E-07	-8.17E-08	3.70E-07	2.09E-07	-1.61E-07
3403	477863.1	3848877.3	7.95E-07	4.37E-07	-3.58E-07	3.02E-07	1.70E-07	-1.31E-07	1.53E-07	8.66E-08	-6.67E-08	3.02E-07	1.70E-07	-1.31E-07
3404	478363.1	3848877.3	6.72E-07	3.69E-07	-3.04E-07	2.55E-07	1.44E-07	-1.11E-07	1.30E-07	7.31E-08	-5.66E-08	2.55E-07	1.44E-07	-1.11E-07
3405	478863.1	3848877.3	5.63E-07	3.09E-07	-2.54E-07	2.14E-07	1.21E-07	-9.30E-08	1.09E-07	6.13E-08	-4.73E-08	2.14E-07	1.21E-07	-9.30E-08
3406	479363.1	3848877.3	4.62E-07	2.55E-07	-2.08E-07	1.75E-07	9.93E-08	-7.62E-08	8.92E-08	5.05E-08	-3.87E-08	1.75E-07	9.93E-08	-7.62E-08
3407	479863.1	3848877.3	3.84E-07	2.11E-07	-1.73E-07	1.46E-07	8.25E-08	-6.33E-08	7.41E-08	4.19E-08	-3.22E-08	1.46E-07	8.25E-08	-6.33E-08
3408	480363.1	3848877.3	3.59E-07	1.97E-07	-1.62E-07	1.36E-07	7.70E-08	-5.92E-08	6.92E-08	3.92E-08	-3.01E-08	1.36E-07	7.70E-08	-5.92E-08
3409	480863.1	3848877.3	3.38E-07	1.86E-07	-1.53E-07	1.28E-07	7.24E-08	-5.59E-08	6.52E-08	3.68E-08	-2.84E-08	1.28E-07	7.24E-08	-5.59E-08
3410	481363.1	3848877.3	3.10E-07	1.70E-07	-1.40E-07	1.18E-07	6.64E-08	-5.12E-08	5.98E-08	3.38E-08	-2.60E-08	1.18E-07	6.64E-08	-5.12E-08
3411	481863.1	3848877.3	2.77E-07	1.52E-07	-1.25E-07	1.05E-07	5.94E-08	-4.57E-08	5.34E-08	3.02E-08	-2.32E-08	1.05E-07	5.94E-08	-4.57E-08
3412	482363.1	3848877.3	2.45E-07	1.35E-07	-1.10E-07	9.31E-08	5.27E-08	-4.04E-08	4.74E-08	2.68E-08	-2.06E-08	9.31E-08	5.27E-08	-4.04E-08
3413	482863.1	3848877.3	2.21E-07	1.22E-07	-9.95E-08	8.39E-08	4.74E-08	-3.64E-08	4.27E-08	2.41E-08	-1.85E-08	8.39E-08	4.74E-08	-3.64E-08
3414	483363.1	3848877.3	2.03E-07	1.12E-07	-9.11E-08	7.69E-08	4.35E-08	-3.34E-08	3.91E-08	2.21E-08	-1.70E-08	7.69E-08	4.35E-08	-3.34E-08
3415	483863.1	3848877.3	1.94E-07	1.07E-07	-8.73E-08	7.36E-08	4.16E-08	-3.20E-08	3.74E-08	2.12E-08	-1.63E-08	7.36E-08	4.16E-08	-3.20E-08
3416	484363.1	3848877.3	2.01E-07	1.11E-07	-9.03E-08	7.62E-08	4.31E-08	-3.31E-08	3.87E-08	2.19E-08	-1.68E-08	7.62E-08	4.31E-08	-3.31E-08
3417	484863.1	3848877.3	2.05E-07	1.13E-07	-9.20E-08	7.77E-08	4.40E-08	-3.37E-08	3.95E-08	2.24E-08	-1.71E-08	7.77E-08	4.40E-08	-3.37E-08
3418	485363.1	3848877.3	1.97E-07	1.08E-07	-8.84E-08	7.47E-08	4.23E-08	-3.24E-08	3.80E-08	2.15E-08	-1.65E-08	7.47E-08	4.23E-08	-3.24E-08
3419	485863.1	3848877.3	1.89E-07	1.04E-07	-8.50E-08	7.18E-08	4.06E-08	-3.11E-08	3.65E-08	2.07E-08	-1.58E-08	7.18E-08	4.06E-08	-3.11E-08
3420	486363.1	3848877.3	1.78E-07	9.81E-08	-8.02E-08	6.77E-08	3.83E-08	-2.94E-08	3.44E-08	1.95E-08	-1.49E-08	6.77E-08	3.83E-08	-2.94E-08
3421	486863.1	3848877.3	1.67E-07	9.20E-08	-7.51E-08	6.34E-08	3.59E-08	-2.75E-08	3.22E-08	1.82E-08	-1.40E-08	6.34E-08	3.59E-08	-2.75E-08
3422	487363.1	3848877.3	1.63E-07	8.95E-08	-7.31E-08	6.17E-08	3.49E-08	-2.68E-08	3.14E-08	1.78E-08	-1.36E-08	6.17E-08	3.49E-08	-2.68E-08
3423	487863.1	3848877.3	1.56E-07	8.57E-08	-7.01E-08	5.91E-08	3.34E-08	-2.57E-08	3.01E-08	1.70E-08	-1.31E-08	5.91E-08	3.34E-08	-2.57E-08
3424	488363.1	3848877.3	1.50E-07	8.29E-08	-6.75E-08	5.71E-08	3.23E-08	-2.47E-08	2.90E-08	1.64E-08	-1.26E-08	5.71E-08	3.23E-08	-2.47E-08
3425	488863.1	3848877.3	1.45E-07	7.99E-08	-6.51E-08	5.50E-08	3.12E-08	-2.38E-08	2.80E-08	1.59E-08	-1.21E-08	5.50E-08	3.12E-08	-2.38E-08
3426	489363.1	3848877.3	1.42E-07	7.82E-08	-6.37E-08	5.38E-08	3.05E-08	-2.33E-08	2.74E-08	1.55E-08	-1.19E-08	5.38E-08	3.05E-08	-2.33E-08
3427	489863.1	3848877.3	1.39E-07	7.67E-08	-6.24E-08	5.28E-08	2.99E-08	-2.29E-08	2.68E-08	1.52E-08	-1.16E-08	5.28E-08	2.99E-08	-2.29E-08
3428	490363.1	3848877.3	1.32E-07	7.30E-08	-5.94E-08	5.02E-08	2.85E-08	-2.17E-08	2.55E-08	1.45E-08	-1.11E-08	5.02E-08	2.85E-08	-2.17E-08
3429	490863.1	3848877.3	1.26E-07	6.94E-08	-5.66E-08	4.78E-08	2.71E-08	-2.08E-08	2.43E-08	1.38E-08	-1.06E-08	4.78E-08	2.71E-08	-2.08E-08
3430	491363.1	3848877.3	1.21E-07	6.67E-08	-5.44E-08	4.60E-08	2.60E-08	-1.99E-08	2.34E-08	1.32E-08	-1.01E-08	4.60E-08	2.60E-08	-1.99E-08
3431	491863.1	3848877.3	1.14E-07	6.28E-08	-5.11E-08	4.32E-08	2.45E-08	-1.87E-08	2.20E-08	1.25E-08	-9.53E-09	4.32E-08	2.45E-08	-1.87E-08
3432	492363.1	3848877.3	1.07E-07	5.91E-08	-4.81E-08	4.07E-08	2.31E-08	-1.76E-08	2.07E-08	1.17E-08	-8.95E-09	4.07E-08	2.31E-08	-1.76E-08
3433	492863.1	3848877.3	1.00E-07	5.50E-08	-4.49E-08	3.79E-08	2.15E-08	-1.65E-08	1.93E-08	1.09E-08	-8.37E-09	3.79E-08	2.15E-08	-1.65E-08
3434	493363.1	3848877.3	9.32E-08	5.13E-08	-4.19E-08	3.54E-08	2.00E-08	-1.53E-08	1.80E-08	1.02E-08	-7.80E-09	3.54E-08	2.00E-08	-1.53E-08
3435	493863.1	3848877.3	9.23E-08	5.09E-08	-4.15E-08	3.50E-08	1.98E-08	-1.52E-08	1.78E-08	1.01E-08	-7.72E-09	3.50E-08	1.98E-08	-1.52E-08
3436	494363.1	3848877.3	9.01E-08	4.96E-08	-4.04E-08	3.42E-08	1.94E-08	-1.48E-08	1.74E-08	9.84E-09	-7.53E-09	3.42E-08	1.94E-08	-1.48E-08
3437	494863.1	3848877.3	9.01E-08	4.97E-08	-4.03E-08	3.42E-08	1.94E-08	-1.48E-08	1.74E-08	9.87E-09	-7.51E-09	3.42E-08	1.94E-08	-1.48E-08
3438	495363.1	3848877.3	8.92E-08	4.93E-08	-3.99E-08	3.38E-08	1.92E-08	-1.46E-08	1.72E-08	9.77E-09	-7.43E-09	3.38E-08	1.92E-08	-1.46E-08
3439	495863.1	3848877.3	8.47E-08	4.67E-08	-3.80E-08	3.21E-08	1.82E-08	-1.39E-08	1.63E-08	9.26E-09	-7.08E-09	3.21E-08	1.82E-08	-1.39E-08
3440	496363.1	3848877.3	8.38E-08	4.63E-08	-3.75E-08	3.18E-08	1.81E-08	-1.37E-08	1.62E-08	9.18E-09	-6.98E-09	3.18E-08	1.81E-08	-1.37E-08
3441	496863.1	3848877.3	8.69E-08	4.80E-08	-3.89E-08	3.30E-08	1.87E-08	-1.42E-08	1.68E-08	9.53E-09	-7.24E-09	3.30E-08	1.87E-08	-1.42E-08
3442	497363.1	3848877.3	9.50E-08	5.25E-08	-4.26E-08	3.60E-08	2.05E-08	-1.56E-08	1.83E-08	1.04E-08	-7.93E-09	3.60E-08	2.05E-08	-1.56E-08
3443	497863.1	3848877.3	9.73E-08	5.38E-08	-4.35E-08	3.69E-08	2.10E-08	-1.59E-08	1.88E-08	1.07E-08	-8.09E-09	3.69E-08	2.10E-08	-1.59E-08
3444	498363.1	3848877.3	9.86E-08	5.45E-08	-4.41E-08	3.74E-08	2.13E-08	-1.61E-08	1.90E-08	1.08E-08	-8.21E-09	3.74E-08	2.13E-08	-1.61E-08
3445	471363.1	3849377.3	1.40E-07	7.70E-08	-6.31E-08	5.31E-08	3.00E-08	-2.31E-08	2.70E-08	1.53E-08	-1.18E-08	5.31E-08	3.00E-08	-2.31E-08
3446	471863.1	3849377.3	1.55E-07	8.52E-08	-6.97E-08	5.88E-08	3.32E-08	-2.55E-08	2.99E-08	1.69E-08	-1.30E-08	5.88E-08	3.32E-08	-2.55E-08
3447	472363.1	3849377.3	1.72E-07	9.46E-08	-7.75E-08	6.53E-08	3.69E-08	-2.84E-08	3.32E-08	1.88E-08	-1.44E-08	6.53E-08	3.69E-08	-2.84E-08
3448	472863.1	3849377.3	1.94E-07	1.07E-07	-8.76E-08	7.36E-08	4.15E-08	-3.21E-08	3.74E-08	2.11E-08	-1.63E-08	7.36E-08	4.15E-08	-3.21E-08
3449	473363.1	3849377.3	2.27E-07	1.24E-07	-1.02E-07	8.61E-08	4.86E-08	-3.76E-08	4.38E-08	2.47E-08	-1.91E-08	8.61E-08	4.86E-08	-3.76E-08
3450	473863.1	3849377.3	2.75E-07	1.51E-07	-1.24E-07	1.04E-07	5.89E-08	-4.55E-08	5.31E-08	2.99E-08	-2.31E-08	1.04E-07	5.89E-08	-4.55E-08
3451	474363.1	3849377.3	3.49E-07	1.92E-07	-1.57E-07	1.32E-07	7.48E-08	-5.76E-08	6.73E-08	3.80E-08	-2.93E-08	1.32E-07	7.48E-08	-5.76E-08
3452	474863.1	3849377.3	4.82E-07	2.65E-07	-2.17E-07	1.83E-07	1.03E-07	-7.95E-08	9.31E-08	5.26E-08	-4.04E-08	1.83E-07	1.03E-07	-7.95E-08
3453	475363.1	3849377.3	7.87E-07	4.32E-07	-3.54E-07	2.98E-07	1.69E-07	-1.30E-07	1.52E-07	8.58E-08	-6.60E-08	2.98E-07	1.69E-07	-1.30E-07
3454	475863.1	3849377.3	1.36E-06	7.47E-07	-6.14E-07	5.16E-07	2.91E-07	-2.25E-07	2.62E-07	1.48E-07	-1.14E-07	5.16E-07	2.91E-07	-2.25E-07
3455	476363.1	3849377.3	2.97E-06	1.63E-06	-1.34E-06	1.13E-06	6.36E-07	-4.92E-07	5.74E-07	3.23E-07	-2.50E-07	1.13E-06	6.36E-07	-4.92E-07
3456	476863.1	3849377.3	8.23E-06	4.53E-06	-3.70E-06	3.12E-06	1.77E-06	-1.36E-06	1.59E-06	8.98E-07	-6.90E-07	3.12E-06	1.77E-06	-1.36E-06
3457	477363.1	3849377.3	2.37E-06	1.30E-06	-1.07E-06	8.98E-07	5.07E-07	-3.91E-07	4.56E-07	2.58E-07	-1.99E-07	8.98E-07	5.07E-07	-3.91E-07
3458	477863.1	3849377.3	1.42E-06	7.80E-07	-6.40E-07	5.39E-07	3.04E-07	-2.34E-07	2.74E-07	1.55E-07	-1.19E-07	5.39E-07	3.04E-07	-2.34E-07
3459	478363.1	3849377.3	1.05E-06	5.74E-07	-4.71E-07	3.97E-07	2.24E-07	-1.73E-07	2.02E-07	1.14E-07	-8.78E-08	3.97E-07	2.24E-07	-1.73E-07
3460	478863.1	3849377.3	7.90E-07	4.33E-07	-3.57E-07	3.00E-07	1.69E-07	-1.31E-07	1.52E-07	8.59E-08	-6.65E-08	3.00E-07	1.69E-07	-1.31E-07
3461	479363.1	3849377.3	6.46E-07	3.55E-07	-2.91E-07	2.45E-07	1.38E-07	-1.07E-07	1.25E-07	7.03E-08	-5.43E-08	2.45E-07	1.38E-07	-1.07E-07
3462	479863.1	3849377.3	5.08E-07	2.79E-07	-2.28E-07	1.93E-07	1.09E-07	-8.36E-08	9.79E-08	5.54E-08	-4.25E-08	1.93E-07	1.09E-07	-8.36E-08
3463	480363.1	3849377.3	4.81E-07	2.64E-07	-2.16E-07	1.82E-07	1.03E-07	-7.93E-08	9.28E-08	5.25E-08	-4.03E-08	1.82E-07	1.03E-07	-7.93E-08
3464	480863.1	3849377.3	4.23E-07	2.32E-07	-1.90E-07	1.60E-07	9.07E-08	-6.98E-08	8.16E-08	4.61E-08	-3.55E-08	1.60E-07	9.07E-08	-6.98E-08
3465	481363.1	3849377.3	3.62E-07	1.99E-07	-1.63E-07	1.37E-07	7.75E-08	-5.99E-08	6.99E-08	3.94E-08	-3.05E-08	1.37E-07	7.75E-08	-5.99E-08
3466	481863.1	3849377.3	2.97E-07	1.63E-07	-1.34E-07	1.13E-07	6.36E-08	-4.90E-08	5.73E-08	3.23E-08	-2.49E-08	1.13E-07	6.36E-08	-4.90E-08
3467	482363.1	3849377.3	2.65E-07	1.46E-07	-1.19E-07	1.00E-07	5.68E-08	-4.37E-08	5.11E-08	2.89E-08	-2.22E-08	1.00E-07	5.68E-08	-4.37E-08
3468	482863.1	3849377.3	2.33E-07	1.28E-07	-1.05E-07	8.85E-08	5.00E-08	-3.85E-08	4.50E-08	2.54E-08	-1.96E-08	8.85E-08	5.00E-08	-3.85E-08
3469	483363.1	3849377.3	2.14E-07	1.18E-07	-9.64E-08	8.13E-08	4.60E-08	-3.53E-08	4.14E-08	2.34E-08	-1.80E-08	8.13E-08	4.60E-08	-3.53E-08
3470	483863.1	3849377.3	1.92E-07	1.06E-07	-8.65E-08	7.30E-08	4.13E-08	-3.17E-08	3.71E-08	2.10E-08	-1.61E-08	7.30E-08	4.13E-08	-3.17E-08
3471	484363.1	3849377.3	2.19E-07	1.21E-07	-9.83E-08	8.30E-08	4.70E-08	-3.60E-08	4.22E-08	2.39E-08	-1.83E-08	8.30E-08	4.70E-08	-3.60E-08
3472	484863.1	3849377.3	2.27E-07	1.25E-07	-1.02E-07	8.59E-08	4.87E-08	-3.72E-08	4.37E-08	2.48E-08	-1.89E-08	8.59E-08	4.87E-08	-3.72E-08
3473	485363.1	3849377.3	2.17E-07	1.20E-07	-9.74E-08	8.23E-08	4.67E-08	-3.57E-08	4.19E-08	2.37E-08	-1.81E-08	8.23E-08	4.67E-08	-3.57E-08
3474	485863.1	3849377.3	1.92E-07	1.06E-07	-8.64E-08	7.30E-08	4.13E-08	-3.16E-08	3.71E-08	2.10E-08	-1.61E-08	7.30E-08	4.13E-08	-3.16E-08
3475	486363.1	3849377.3	1.72E-07	9.47E-08	-7.73E-08	6.53E-08	3.69E-08	-2.83E-08	3.32E-08	1.88E-08	-1.44E-08	6.53E-08	3.69E-08	-2.83E-08
3476	486863.1	3849377.3	1.79E-07	9.86E-08	-8.06E-08	6.80E-08	3.85E-08	-2.95E-08	3.46E-08	1.96E-08	-1.50E-08	6.80E-08	3.85E-08	-2.95E-08

3477	487363.1	3849377.3	1.76E-07	9.67E-08	-7.90E-08	6.66E-08	3.77E-08	-2.89E-08	3.39E-08	1.92E-08	-1.47E-08	6.66E-08	3.77E-08	-2.89E-08
3478	487863.1	3849377.3	1.68E-07	9.27E-08	-7.57E-08	6.39E-08	3.62E-08	-2.77E-08	3.25E-08	1.84E-08	-1.41E-08	6.39E-08	3.62E-08	-2.77E-08
3479	488363.1	3849377.3	1.62E-07	8.91E-08	-7.25E-08	6.13E-08	3.48E-08	-2.66E-08	3.12E-08	1.77E-08	-1.35E-08	6.13E-08	3.48E-08	-2.66E-08
3480	488863.1	3849377.3	1.57E-07	8.64E-08	-7.03E-08	5.95E-08	3.37E-08	-2.57E-08	3.02E-08	1.71E-08	-1.31E-08	5.95E-08	3.37E-08	-2.57E-08
3481	489363.1	3849377.3	1.52E-07	8.39E-08	-6.84E-08	5.77E-08	3.27E-08	-2.50E-08	2.94E-08	1.66E-08	-1.27E-08	5.77E-08	3.27E-08	-2.50E-08
3482	489863.1	3849377.3	1.46E-07	8.07E-08	-6.57E-08	5.55E-08	3.15E-08	-2.41E-08	2.82E-08	1.60E-08	-1.22E-08	5.55E-08	3.15E-08	-2.41E-08
3483	490363.1	3849377.3	1.38E-07	7.62E-08	-6.20E-08	5.24E-08	2.97E-08	-2.27E-08	2.67E-08	1.51E-08	-1.16E-08	5.24E-08	2.97E-08	-2.27E-08
3484	490863.1	3849377.3	1.32E-07	7.28E-08	-5.92E-08	5.01E-08	2.84E-08	-2.17E-08	2.55E-08	1.44E-08	-1.10E-08	5.01E-08	2.84E-08	-2.17E-08
3485	491363.1	3849377.3	1.27E-07	6.97E-08	-5.69E-08	4.80E-08	2.72E-08	-2.08E-08	2.44E-08	1.38E-08	-1.06E-08	4.80E-08	2.72E-08	-2.08E-08
3486	491863.1	3849377.3	1.18E-07	6.53E-08	-5.32E-08	4.49E-08	2.55E-08	-1.95E-08	2.29E-08	1.29E-08	-9.91E-09	4.49E-08	2.55E-08	-1.95E-08
3487	492363.1	3849377.3	1.11E-07	6.13E-08	-4.99E-08	4.22E-08	2.39E-08	-1.83E-08	2.15E-08	1.22E-08	-9.30E-09	4.22E-08	2.39E-08	-1.83E-08
3488	492863.1	3849377.3	1.02E-07	5.61E-08	-4.56E-08	3.86E-08	2.19E-08	-1.67E-08	1.96E-08	1.11E-08	-8.50E-09	3.86E-08	2.19E-08	-1.67E-08
3489	493363.1	3849377.3	9.73E-08	5.36E-08	-4.37E-08	3.69E-08	2.09E-08	-1.60E-08	1.88E-08	1.06E-08	-8.14E-09	3.69E-08	2.09E-08	-1.60E-08
3490	493863.1	3849377.3	9.41E-08	5.20E-08	-4.22E-08	3.57E-08	2.03E-08	-1.54E-08	1.82E-08	1.03E-08	-7.85E-09	3.57E-08	2.03E-08	-1.54E-08
3491	494363.1	3849377.3	9.37E-08	5.17E-08	-4.20E-08	3.55E-08	2.02E-08	-1.54E-08	1.81E-08	1.03E-08	-7.81E-09	3.55E-08	2.02E-08	-1.54E-08
3492	494863.1	3849377.3	9.77E-08	5.41E-08	-4.37E-08	3.71E-08	2.11E-08	-1.60E-08	1.89E-08	1.07E-08	-8.13E-09	3.71E-08	2.11E-08	-1.60E-08
3493	495363.1	3849377.3	9.77E-08	5.41E-08	-4.37E-08	3.71E-08	2.11E-08	-1.60E-08	1.89E-08	1.07E-08	-8.13E-09	3.71E-08	2.11E-08	-1.60E-08
3494	495863.1	3849377.3	8.60E-08	4.75E-08	-3.85E-08	3.26E-08	1.85E-08	-1.41E-08	1.66E-08	9.43E-09	-7.17E-09	3.26E-08	1.85E-08	-1.41E-08
3495	496363.1	3849377.3	8.33E-08	4.61E-08	-3.73E-08	3.16E-08	1.80E-08	-1.36E-08	1.61E-08	9.13E-09	-6.94E-09	3.16E-08	1.80E-08	-1.36E-08
3496	496863.1	3849377.3	9.37E-08	5.20E-08	-4.17E-08	3.55E-08	2.03E-08	-1.53E-08	1.81E-08	1.03E-08	-7.76E-09	3.55E-08	2.03E-08	-1.53E-08
3497	497363.1	3849377.3	9.55E-08	5.29E-08	-4.25E-08	3.62E-08	2.07E-08	-1.56E-08	1.84E-08	1.05E-08	-7.92E-09	3.62E-08	2.07E-08	-1.56E-08
3498	497863.1	3849377.3	1.05E-07	5.82E-08	-4.67E-08	3.98E-08	2.27E-08	-1.71E-08	2.02E-08	1.16E-08	-8.69E-09	3.98E-08	2.27E-08	-1.71E-08
3499	498363.1	3849377.3	1.01E-07	5.63E-08	-4.51E-08	3.84E-08	2.19E-08	-1.65E-08	1.95E-08	1.12E-08	-8.39E-09	3.84E-08	2.19E-08	-1.65E-08
3500	471363.1	3849877.3	1.18E-07	6.50E-08	-5.30E-08	4.48E-08	2.54E-08	-1.94E-08	2.28E-08	1.29E-08	-9.87E-09	4.48E-08	2.54E-08	-1.94E-08
3501	471863.1	3849877.3	1.38E-07	7.61E-08	-6.22E-08	5.24E-08	2.97E-08	-2.28E-08	2.67E-08	1.51E-08	-1.16E-08	5.24E-08	2.97E-08	-2.28E-08
3502	472363.1	3849877.3	1.54E-07	8.45E-08	-6.91E-08	5.83E-08	3.29E-08	-2.53E-08	2.96E-08	1.68E-08	-1.29E-08	5.83E-08	3.29E-08	-2.53E-08
3503	472863.1	3849877.3	1.68E-07	9.26E-08	-7.58E-08	6.39E-08	3.61E-08	-2.78E-08	3.25E-08	1.84E-08	-1.41E-08	6.39E-08	3.61E-08	-2.78E-08
3504	473363.1	3849877.3	1.88E-07	1.03E-07	-8.48E-08	7.14E-08	4.03E-08	-3.11E-08	3.63E-08	2.05E-08	-1.58E-08	7.14E-08	4.03E-08	-3.11E-08
3505	473863.1	3849877.3	2.14E-07	1.18E-07	-9.63E-08	8.12E-08	4.59E-08	-3.53E-08	4.13E-08	2.33E-08	-1.79E-08	8.12E-08	4.59E-08	-3.53E-08
3506	474363.1	3849877.3	2.49E-07	1.36E-07	-1.12E-07	9.43E-08	5.32E-08	-4.11E-08	4.80E-08	2.71E-08	-2.09E-08	9.43E-08	5.32E-08	-4.11E-08
3507	474863.1	3849877.3	2.91E-07	1.60E-07	-1.31E-07	1.11E-07	6.24E-08	-4.82E-08	5.62E-08	3.17E-08	-2.45E-08	1.11E-07	6.24E-08	-4.82E-08
3508	475363.1	3849877.3	3.49E-07	1.92E-07	-1.57E-07	1.32E-07	7.49E-08	-5.75E-08	6.73E-08	3.81E-08	-2.93E-08	1.32E-07	7.49E-08	-5.75E-08
3509	475863.1	3849877.3	4.26E-07	2.35E-07	-1.91E-07	1.62E-07	9.15E-08	-7.01E-08	8.22E-08	4.65E-08	-3.57E-08	1.62E-07	9.15E-08	-7.01E-08
3510	476363.1	3849877.3	5.44E-07	2.99E-07	-2.45E-07	2.06E-07	1.17E-07	-8.96E-08	1.05E-07	5.94E-08	-4.56E-08	2.06E-07	1.17E-07	-8.96E-08
3511	476863.1	3849877.3	8.08E-07	4.44E-07	-3.64E-07	3.06E-07	1.73E-07	-1.33E-07	1.56E-07	8.80E-08	-6.78E-08	3.06E-07	1.73E-07	-1.33E-07
3512	477363.1	3849877.3	1.91E-06	1.05E-06	-8.58E-07	7.24E-07	4.09E-07	-3.15E-07	3.68E-07	2.08E-07	-1.60E-07	7.24E-07	4.09E-07	-3.15E-07
3513	477863.1	3849877.3	9.19E-06	5.01E-06	-4.18E-06	3.49E-06	1.95E-06	-1.53E-06	1.77E-06	9.94E-07	-7.80E-07	3.49E-06	1.95E-06	-1.53E-06
3514	478363.1	3849877.3	2.51E-06	1.37E-06	-1.13E-06	9.51E-07	5.36E-07	-4.16E-07	4.84E-07	2.72E-07	-2.11E-07	9.51E-07	5.36E-07	-4.16E-07
3515	478863.1	3849877.3	1.51E-06	8.25E-07	-6.81E-07	5.71E-07	3.22E-07	-2.49E-07	2.91E-07	1.64E-07	-1.27E-07	5.71E-07	3.22E-07	-2.49E-07
3516	479363.1	3849877.3	1.03E-06	5.67E-07	-4.67E-07	3.92E-07	2.21E-07	-1.71E-07	1.99E-07	1.12E-07	-8.71E-08	3.92E-07	2.21E-07	-1.71E-07
3517	479863.1	3849877.3	8.23E-07	4.52E-07	-3.71E-07	3.12E-07	1.76E-07	-1.36E-07	1.59E-07	8.96E-08	-6.91E-08	3.12E-07	1.76E-07	-1.36E-07
3518	480363.1	3849877.3	6.29E-07	3.45E-07	-2.83E-07	2.39E-07	1.35E-07	-1.04E-07	1.21E-07	6.85E-08	-5.28E-08	2.39E-07	1.35E-07	-1.04E-07
3519	480863.1	3849877.3	5.10E-07	2.81E-07	-2.30E-07	1.94E-07	1.09E-07	-8.41E-08	9.84E-08	5.57E-08	-4.28E-08	1.94E-07	1.09E-07	-8.41E-08
3520	481363.1	3849877.3	4.37E-07	2.40E-07	-1.97E-07	1.66E-07	9.35E-08	-7.22E-08	8.43E-08	4.76E-08	-3.67E-08	1.66E-07	9.35E-08	-7.22E-08
3521	481863.1	3849877.3	3.38E-07	1.86E-07	-1.53E-07	1.28E-07	7.24E-08	-5.59E-08	6.52E-08	3.68E-08	-2.84E-08	1.28E-07	7.24E-08	-5.59E-08
3522	482363.1	3849877.3	2.90E-07	1.59E-07	-1.30E-07	1.10E-07	6.21E-08	-4.78E-08	5.59E-08	3.16E-08	-2.43E-08	1.10E-07	6.21E-08	-4.78E-08
3523	482863.1	3849877.3	2.57E-07	1.41E-07	-1.16E-07	9.74E-08	5.50E-08	-4.23E-08	4.95E-08	2.80E-08	-2.15E-08	9.74E-08	5.50E-08	-4.23E-08
3524	483363.1	3849877.3	2.28E-07	1.25E-07	-1.03E-07	8.64E-08	4.89E-08	-3.76E-08	4.40E-08	2.49E-08	-1.91E-08	8.64E-08	4.89E-08	-3.76E-08
3525	483863.1	3849877.3	2.17E-07	1.19E-07	-9.73E-08	8.22E-08	4.65E-08	-3.56E-08	4.18E-08	2.37E-08	-1.81E-08	8.22E-08	4.65E-08	-3.56E-08
3526	484363.1	3849877.3	2.37E-07	1.31E-07	-1.07E-07	9.00E-08	5.10E-08	-3.90E-08	4.58E-08	2.59E-08	-1.98E-08	9.00E-08	5.10E-08	-3.90E-08
3527	484863.1	3849877.3	2.53E-07	1.39E-07	-1.13E-07	9.58E-08	5.44E-08	-4.15E-08	4.87E-08	2.76E-08	-2.11E-08	9.58E-08	5.44E-08	-4.15E-08
3528	485363.1	3849877.3	2.35E-07	1.30E-07	-1.05E-07	8.92E-08	5.06E-08	-3.86E-08	4.54E-08	2.57E-08	-1.96E-08	8.92E-08	5.06E-08	-3.86E-08
3529	485863.1	3849877.3	2.13E-07	1.18E-07	-9.59E-08	8.10E-08	4.59E-08	-3.51E-08	4.12E-08	2.33E-08	-1.79E-08	8.10E-08	4.59E-08	-3.51E-08
3530	486363.1	3849877.3	2.00E-07	1.10E-07	-8.99E-08	7.59E-08	4.29E-08	-3.29E-08	3.86E-08	2.18E-08	-1.67E-08	7.59E-08	4.29E-08	-3.29E-08
3531	486863.1	3849877.3	2.00E-07	1.10E-07	-8.97E-08	7.57E-08	4.28E-08	-3.28E-08	3.85E-08	2.18E-08	-1.67E-08	7.57E-08	4.28E-08	-3.28E-08
3532	487363.1	3849877.3	1.91E-07	1.05E-07	-8.60E-08	7.26E-08	4.11E-08	-3.15E-08	3.69E-08	2.09E-08	-1.60E-08	7.26E-08	4.11E-08	-3.15E-08
3533	487863.1	3849877.3	1.82E-07	1.00E-07	-8.19E-08	6.92E-08	3.92E-08	-3.00E-08	3.52E-08	1.99E-08	-1.53E-08	6.92E-08	3.92E-08	-3.00E-08
3534	488363.1	3849877.3	1.75E-07	9.64E-08	-7.83E-08	6.63E-08	3.76E-08	-2.87E-08	3.37E-08	1.91E-08	-1.46E-08	6.63E-08	3.76E-08	-2.87E-08
3535	488863.1	3849877.3	1.68E-07	9.30E-08	-7.55E-08	6.39E-08	3.63E-08	-2.76E-08	3.25E-08	1.84E-08	-1.41E-08	6.39E-08	3.63E-08	-2.76E-08
3536	489363.1	3849877.3	1.61E-07	8.90E-08	-7.22E-08	6.12E-08	3.47E-08	-2.64E-08	3.11E-08	1.77E-08	-1.34E-08	6.12E-08	3.47E-08	-2.64E-08
3537	489863.1	3849877.3	1.53E-07	8.46E-08	-6.85E-08	5.81E-08	3.30E-08	-2.51E-08	2.95E-08	1.68E-08	-1.28E-08	5.81E-08	3.30E-08	-2.51E-08
3538	490363.1	3849877.3	1.45E-07	8.00E-08	-6.50E-08	5.50E-08	3.12E-08	-2.38E-08	2.80E-08	1.59E-08	-1.21E-08	5.50E-08	3.12E-08	-2.38E-08
3539	490863.1	3849877.3	1.38E-07	7.63E-08	-6.19E-08	5.24E-08	2.98E-08	-2.27E-08	2.67E-08	1.51E-08	-1.15E-08	5.24E-08	2.98E-08	-2.27E-08
3540	491363.1	3849877.3	1.32E-07	7.30E-08	-5.94E-08	5.02E-08	2.85E-08	-2.17E-08	2.55E-08	1.45E-08	-1.11E-08	5.02E-08	2.85E-08	-2.17E-08
3541	491863.1	3849877.3	1.24E-07	6.83E-08	-5.55E-08	4.70E-08	2.67E-08	-2.03E-08	2.39E-08	1.36E-08	-1.03E-08	4.70E-08	2.67E-08	-2.03E-08
3542	492363.1	3849877.3	1.17E-07	6.44E-08	-5.22E-08	4.42E-08	2.51E-08	-1.91E-08	2.25E-08	1.28E-08	-9.73E-09	4.42E-08	2.51E-08	-1.91E-08
3543	492863.1	3849877.3	1.09E-07	6.01E-08	-4.84E-08	4.12E-08	2.34E-08	-1.77E-08	2.09E-08	1.19E-08	-9.02E-09	4.12E-08	2.34E-08	-1.77E-08
3544	493363.1	3849877.3	1.01E-07	5.58E-08	-4.51E-08	3.83E-08	2.18E-08	-1.65E-08	1.95E-08	1.11E-08	-8.40E-09	3.83E-08	2.18E-08	-1.65E-08
3545	493863.1	3849877.3	9.64E-08	5.32E-08	-4.32E-08	3.66E-08	2.07E-08	-1.58E-08	1.86E-08	1.06E-08	-8.04E-09	3.66E-08	2.07E-08	-1.58E-08
3546	494363.1	3849877.3	1.03E-07	5.69E-08	-4.58E-08	3.90E-08	2.22E-08	-1.68E-08	1.98E-08	1.13E-08	-8.53E-09	3.90E-08	2.22E-08	-1.68E-08
3547	494863.1	3849877.3	1.06E-07	5.86E-08	-4.72E-08	4.01E-08	2.29E-08	-1.73E-08	2.04E-08	1.16E-08	-8.79E-09	4.01E-08	2.29E-08	-1.73E-08
3548	495363.1	3849877.3	9.73E-08	5.39E-08	-4.33E-08	3.69E-08	2.10E-08	-1.59E-08	1.88E-08	1.07E-08	-8.07E-09	3.69E-08	2.10E-08	-1.59E-08
3549	495863.1	3849877.3	1.02E-07	5.64E-08	-4.54E-08	3.86E-08	2.20E-08	-1.66E-08	1.96E-08	1.12E-08	-8.45E-09	3.86E-08	2.20E-08	-1.66E-08
3550	496363.1	3849877.3	1.02E-07	5.64E-08	-4.54E-08	3.86E-08	2.20E-08	-1.66E-08	1.96E-08	1.12E-08	-8.45E-09	3.86E-08	2.20E-08	-1.66E-08
3551	496863.1	3849877.3	1.01E-07	5.61E-08	-4.52E-08	3.84E-08	2.19E-08	-1.65E-08	1.95E-08	1.11E-08	-8.41E-09	3.84E-08	2.19E-08	-1.65E-08
3552	497363.1	3849877.3	1.07E-07	5.94E-08	-4.74E-08	4.05E-08	2.31E-08	-1.73E-08	2.06E-08	1.18E-08	-8.82E-09	4.05E-08	2.31E-08	-1.73E-08
3553	497863.1	3849877.3	1.07E-07	5.97E-08	-4.75E-08	4.07E-08	2.33E-08	-1.74E-08	2.07E-08	1.18E-08	-8.83E-09	4.07E-08	2.33E-08	-1.74E-08
3554	498363.1	3849877.3	1.04E-07	5.79E-08	-4.62E-08	3.95E-08	2.26E-08	-1.69E-08	2.01E-08	1.15E-08	-8.59E-09	3.95E-08	2.26E-08	-1.69E-08
3555	471363.1	3850377.3	8.65E-08	4.78E-08	-3.87E-08	3.28E-08	1.86E-08	-1.42E-08	1.67E-08	9.48E-09	-7.21E-09	3.28E-08	1.86E-08	-1.42E-08
3556	471863.1	3850377.3	1.11E-07	6.11E-08	-4.97E-08	4.20E-08	2.38E-08	-1.82E-08	2.14E-08	1.21E-08	-9.26E-09	4.20E-08	2.38E-08	-1.82E-08
3557	472363.1	3850377.3	1.26E-07	6.96E-08	-5.65E-08	4.78E-08	2.71E-08	-2.07E-08	2.43E-08	1.38E-08	-1.05E-08	4.78E-08	2.71E-08	-2.07E-08
3558	472863.1	3850377.3	1.46E-07	8.07E-08	-6.57E-08	5.55E-08	3.15E-08	-2.41E-08	2.82E-08	1.60E-08	-1.22E-08	5.55E-08	3.15E-08	-2.41E-08
3559	473363.1	3850377.3	1.60E-07	8.82E-08	-7.22E-08	6.08E-08	3.44E-08	-2.64E-08	3.09E-08	1.75E-08	-1.34E-08	6.08E-08	3.44E-08	-2.64E-08
3560	473863.1	3850377.3	1.77E-07	9.74E-08	-7.96E-08	6.71E-08	3.80E-08	-2.92E-08	3.41E-08	1.93E-08	-1.48E-08	6.71E-08	3.80E-08	-2.92E-08
3561	474363.1	3850377.3	1.96E-07	1.08E-07	-8.82E-08	7.43E-08	4.20E-08	-3.23E-08	3.78E-08	2.14E-08	-1.64E-08	7.43E-08	4.20E-08	-3.23E-08
3562	474863.1	3850377.3	2.18E-07	1.20E-07	-9.82E-08	8.27E-08	4.67E-08	-3.60E-08	4.21E-08	2.38E-08	-1.83E-08	8.27E-08	4.67E-08	-3.60E-08
3563	475363.1	3850377.3	2.44E-07	1.34E-07	-1.10E-07	9.26E-08	5.23E-08	-4.03E-08	4.71E-08	2.66E-08	-2.05E-08	9.26E-08	5.23E-08	-4.03E-08
3564	475863.1	3850377.3	2.81E-07	1.54E-07	-1.27E-07	1.07E-07	6.02E-08	-4.64E-08	5.42E-08	3.06E-08	-2.36E-08	1.07E-07	6.02E-08	-4.64E-08
3565	476363.1	3850377.3	3.26E-07	1.80E-07	-1.47E-07	1.24E-07	7.00E-08	-5.37E-08	6.29E-08	3.56E-08	-2.73E-08	1.24E-07	7.00E-08	-5.37E-08
3566	476863.1	3850377.3	3.93E-07	2.16E-07	-1.76E-07	1.49E-07	8.44E-08	-6.45E-08	7.58E-08	4.29E-08	-3.28E-08	1.49E-07	8.44E-08	-6.45E-08
3567	477363.1	3850377.3	5.07E-07	2.79E-07	-2.28E-07	1.92E-07	1.09E-07	-8.34E-08	9.78E-08	5.54E-08	-4.24E-08	1.92E-07	1.09E-07	-8.34E-08
3568	477863.1	3850377.3	7.60E-07	4.18E-07	-3.42E-07	2.88E-07	1.63E-07	-1.25E-07	1.47E-07	8.29E-08	-6.37E-08	2.88E-07	1.63E-07	-1.25E-07
3569	478363.1	3850377.3	1.79E-06	9.88E-07	-7.99E-07	6.78E-07	3.85E-07	-2.93E-07	3.45E-07	1.96E-07	-1.49E-07	6.78E-07	3.85E-07	-2.93E-07
3570	478863.1	3850377.3	1.05E-05	5.67E-06	-4.83E-06	3.98E-06	2.21E-06	-1.77E-06	2.03E-06	1.12E-06	-9.02E-07	3.98E-06	2.21E-06	-1.77E-06

3571	479363.1	3850377.3	2.64E-06	1.44E-06	-1.20E-06	1.00E-06	5.63E-07	-4.40E-07	5.10E-07	2.86E-07	-2.24E-07	1.00E-06	5.63E-07	-4.40E-07
3572	479863.1	3850377.3	1.46E-06	8.00E-07	-6.62E-07	5.55E-07	3.12E-07	-2.43E-07	2.82E-07	1.59E-07	-1.23E-07	5.55E-07	3.12E-07	-2.43E-07
3573	480363.1	3850377.3	1.01E-06	5.52E-07	-4.55E-07	3.82E-07	2.15E-07	-1.67E-07	1.94E-07	1.10E-07	-8.48E-08	3.82E-07	2.15E-07	-1.67E-07
3574	480863.1	3850377.3	7.99E-07	4.39E-07	-3.61E-07	3.03E-07	1.71E-07	-1.32E-07	1.54E-07	8.70E-08	-6.72E-08	3.03E-07	1.71E-07	-1.32E-07
3575	481363.1	3850377.3	5.53E-07	3.04E-07	-2.49E-07	2.10E-07	1.19E-07	-9.12E-08	1.07E-07	6.03E-08	-4.64E-08	2.10E-07	1.19E-07	-9.12E-08
3576	481863.1	3850377.3	4.74E-07	2.60E-07	-2.14E-07	1.80E-07	1.02E-07	-7.84E-08	9.15E-08	5.16E-08	-3.99E-08	1.80E-07	1.02E-07	-7.84E-08
3577	482363.1	3850377.3	4.08E-07	2.24E-07	-1.84E-07	1.55E-07	8.76E-08	-6.72E-08	7.87E-08	4.45E-08	-3.42E-08	1.55E-07	8.76E-08	-6.72E-08
3578	482863.1	3850377.3	3.25E-07	1.79E-07	-1.46E-07	1.23E-07	6.97E-08	-5.34E-08	6.26E-08	3.55E-08	-2.72E-08	1.23E-07	6.97E-08	-5.34E-08
3579	483363.1	3850377.3	2.77E-07	1.53E-07	-1.25E-07	1.05E-07	5.96E-08	-4.56E-08	5.35E-08	3.03E-08	-2.32E-08	1.05E-07	5.96E-08	-4.56E-08
3580	483863.1	3850377.3	2.70E-07	1.49E-07	-1.21E-07	1.03E-07	5.81E-08	-4.44E-08	5.21E-08	2.96E-08	-2.26E-08	1.03E-07	5.81E-08	-4.44E-08
3581	484363.1	3850377.3	2.73E-07	1.51E-07	-1.23E-07	1.04E-07	5.88E-08	-4.49E-08	5.27E-08	2.99E-08	-2.28E-08	1.04E-07	5.88E-08	-4.49E-08
3582	484863.1	3850377.3	2.76E-07	1.52E-07	-1.24E-07	1.05E-07	5.95E-08	-4.53E-08	5.33E-08	3.02E-08	-2.30E-08	1.05E-07	5.95E-08	-4.53E-08
3583	485363.1	3850377.3	2.61E-07	1.44E-07	-1.17E-07	9.89E-08	5.61E-08	-4.28E-08	5.03E-08	2.86E-08	-2.18E-08	9.89E-08	5.61E-08	-4.28E-08
3584	485863.1	3850377.3	2.40E-07	1.32E-07	-1.07E-07	9.09E-08	5.15E-08	-3.94E-08	4.62E-08	2.62E-08	-2.00E-08	9.09E-08	5.15E-08	-3.94E-08
3585	486363.1	3850377.3	2.28E-07	1.26E-07	-1.02E-07	8.64E-08	4.90E-08	-3.75E-08	4.40E-08	2.49E-08	-1.91E-08	8.64E-08	4.90E-08	-3.75E-08
3586	486863.1	3850377.3	2.17E-07	1.20E-07	-9.74E-08	8.23E-08	4.67E-08	-3.57E-08	4.19E-08	2.37E-08	-1.81E-08	8.23E-08	4.67E-08	-3.57E-08
3587	487363.1	3850377.3	2.04E-07	1.12E-07	-9.16E-08	7.74E-08	4.38E-08	-3.35E-08	3.94E-08	2.23E-08	-1.71E-08	7.74E-08	4.38E-08	-3.35E-08
3588	487863.1	3850377.3	1.95E-07	1.08E-07	-8.74E-08	7.40E-08	4.20E-08	-3.20E-08	3.76E-08	2.13E-08	-1.63E-08	7.40E-08	4.20E-08	-3.20E-08
3589	488363.1	3850377.3	1.86E-07	1.03E-07	-8.33E-08	7.06E-08	4.01E-08	-3.05E-08	3.59E-08	2.04E-08	-1.55E-08	7.06E-08	4.01E-08	-3.05E-08
3590	488863.1	3850377.3	1.78E-07	9.85E-08	-7.98E-08	6.77E-08	3.84E-08	-2.92E-08	3.44E-08	1.95E-08	-1.49E-08	6.77E-08	3.84E-08	-2.92E-08
3591	489363.1	3850377.3	1.70E-07	9.41E-08	-7.62E-08	6.46E-08	3.67E-08	-2.79E-08	3.28E-08	1.87E-08	-1.42E-08	6.46E-08	3.67E-08	-2.79E-08
3592	489863.1	3850377.3	1.61E-07	8.88E-08	-7.20E-08	6.10E-08	3.46E-08	-2.64E-08	3.10E-08	1.76E-08	-1.34E-08	6.10E-08	3.46E-08	-2.64E-08
3593	490363.1	3850377.3	1.52E-07	8.42E-08	-6.80E-08	5.77E-08	3.28E-08	-2.49E-08	2.94E-08	1.67E-08	-1.27E-08	5.77E-08	3.28E-08	-2.49E-08
3594	490863.1	3850377.3	1.45E-07	8.04E-08	-6.51E-08	5.52E-08	3.14E-08	-2.38E-08	2.81E-08	1.59E-08	-1.21E-08	5.52E-08	3.14E-08	-2.38E-08
3595	491363.1	3850377.3	1.38E-07	7.65E-08	-6.18E-08	5.24E-08	2.98E-08	-2.26E-08	2.67E-08	1.52E-08	-1.15E-08	5.24E-08	2.98E-08	-2.26E-08
3596	491863.1	3850377.3	1.29E-07	7.13E-08	-5.75E-08	4.89E-08	2.78E-08	-2.11E-08	2.48E-08	1.41E-08	-1.07E-08	4.89E-08	2.78E-08	-2.11E-08
3597	492363.1	3850377.3	1.20E-07	6.64E-08	-5.34E-08	4.54E-08	2.59E-08	-1.96E-08	2.31E-08	1.32E-08	-9.95E-09	4.54E-08	2.59E-08	-1.96E-08
3598	492863.1	3850377.3	1.14E-07	6.30E-08	-5.09E-08	4.32E-08	2.46E-08	-1.86E-08	2.20E-08	1.25E-08	-9.48E-09	4.32E-08	2.46E-08	-1.86E-08
3599	493363.1	3850377.3	1.07E-07	5.91E-08	-4.76E-08	4.05E-08	2.31E-08	-1.74E-08	2.06E-08	1.17E-08	-8.87E-09	4.05E-08	2.31E-08	-1.74E-08
3600	493863.1	3850377.3	1.08E-07	5.98E-08	-4.82E-08	4.10E-08	2.33E-08	-1.77E-08	2.09E-08	1.19E-08	-8.98E-09	4.10E-08	2.33E-08	-1.77E-08
3601	494363.1	3850377.3	1.08E-07	5.97E-08	-4.79E-08	4.08E-08	2.33E-08	-1.75E-08	2.08E-08	1.18E-08	-8.92E-09	4.08E-08	2.33E-08	-1.75E-08
3602	494863.1	3850377.3	1.10E-07	6.12E-08	-4.91E-08	4.19E-08	2.39E-08	-1.80E-08	2.13E-08	1.21E-08	-9.15E-09	4.19E-08	2.39E-08	-1.80E-08
3603	495363.1	3850377.3	1.13E-07	6.29E-08	-5.01E-08	4.29E-08	2.45E-08	-1.83E-08	2.18E-08	1.25E-08	-9.33E-09	4.29E-08	2.45E-08	-1.83E-08
3604	495863.1	3850377.3	1.08E-07	6.01E-08	-4.80E-08	4.10E-08	2.34E-08	-1.76E-08	2.09E-08	1.19E-08	-8.93E-09	4.10E-08	2.34E-08	-1.76E-08
3605	496363.1	3850377.3	1.11E-07	6.17E-08	-4.91E-08	4.20E-08	2.41E-08	-1.80E-08	2.14E-08	1.22E-08	-9.14E-09	4.20E-08	2.41E-08	-1.80E-08
3606	496863.1	3850377.3	1.13E-07	6.30E-08	-5.00E-08	4.29E-08	2.46E-08	-1.83E-08	2.18E-08	1.25E-08	-9.30E-09	4.29E-08	2.46E-08	-1.83E-08
3607	497363.1	3850377.3	1.13E-07	6.28E-08	-4.98E-08	4.27E-08	2.45E-08	-1.82E-08	2.17E-08	1.25E-08	-9.26E-09	4.27E-08	2.45E-08	-1.82E-08
3608	497863.1	3850377.3	1.10E-07	6.13E-08	-4.86E-08	4.17E-08	2.39E-08	-1.78E-08	2.12E-08	1.22E-08	-9.04E-09	4.17E-08	2.39E-08	-1.78E-08
3609	498363.1	3850377.3	1.08E-07	6.00E-08	-4.77E-08	4.08E-08	2.34E-08	-1.74E-08	2.08E-08	1.19E-08	-8.87E-09	4.08E-08	2.34E-08	-1.74E-08
3610	471363.1	3850877.3	8.96E-08	4.94E-08	-4.02E-08	3.40E-08	1.93E-08	-1.47E-08	1.73E-08	9.79E-09	-7.50E-09	3.40E-08	1.93E-08	-1.47E-08
3611	471863.1	3850877.3	9.95E-08	5.49E-08	-4.46E-08	3.78E-08	2.14E-08	-1.63E-08	1.92E-08	1.09E-08	-8.31E-09	3.78E-08	2.14E-08	-1.63E-08
3612	472363.1	3850877.3	1.13E-07	6.26E-08	-5.09E-08	4.31E-08	2.44E-08	-1.87E-08	2.19E-08	1.24E-08	-9.49E-09	4.31E-08	2.44E-08	-1.87E-08
3613	472863.1	3850877.3	1.28E-07	7.04E-08	-5.75E-08	4.85E-08	2.75E-08	-2.10E-08	2.47E-08	1.40E-08	-1.07E-08	4.85E-08	2.75E-08	-2.10E-08
3614	473363.1	3850877.3	1.31E-07	7.23E-08	-5.88E-08	4.97E-08	2.82E-08	-2.15E-08	2.53E-08	1.43E-08	-1.09E-08	4.97E-08	2.82E-08	-2.15E-08
3615	473863.1	3850877.3	1.49E-07	8.21E-08	-6.69E-08	5.65E-08	3.20E-08	-2.45E-08	2.88E-08	1.63E-08	-1.25E-08	5.65E-08	3.20E-08	-2.45E-08
3616	474363.1	3850877.3	1.64E-07	9.05E-08	-7.39E-08	6.24E-08	3.53E-08	-2.71E-08	3.17E-08	1.80E-08	-1.38E-08	6.24E-08	3.53E-08	-2.71E-08
3617	474863.1	3850877.3	1.80E-07	9.89E-08	-8.08E-08	6.82E-08	3.86E-08	-2.96E-08	3.47E-08	1.96E-08	-1.51E-08	6.82E-08	3.86E-08	-2.96E-08
3618	475363.1	3850877.3	1.96E-07	1.08E-07	-8.82E-08	7.45E-08	4.22E-08	-3.23E-08	3.79E-08	2.14E-08	-1.64E-08	7.45E-08	4.22E-08	-3.23E-08
3619	475863.1	3850877.3	2.17E-07	1.19E-07	-9.77E-08	8.23E-08	4.65E-08	-3.58E-08	4.19E-08	2.37E-08	-1.82E-08	8.23E-08	4.65E-08	-3.58E-08
3620	476363.1	3850877.3	2.44E-07	1.34E-07	-1.10E-07	9.24E-08	5.22E-08	-4.02E-08	4.70E-08	2.65E-08	-2.05E-08	9.24E-08	5.22E-08	-4.02E-08
3621	476863.1	3850877.3	2.73E-07	1.50E-07	-1.23E-07	1.04E-07	5.86E-08	-4.49E-08	5.27E-08	2.98E-08	-2.29E-08	1.04E-07	5.86E-08	-4.49E-08
3622	477363.1	3850877.3	3.15E-07	1.74E-07	-1.41E-07	1.19E-07	6.78E-08	-5.17E-08	6.07E-08	3.45E-08	-2.63E-08	1.19E-07	6.78E-08	-5.17E-08
3623	477863.1	3850877.3	3.80E-07	2.09E-07	-1.70E-07	1.44E-07	8.17E-08	-6.23E-08	7.32E-08	4.15E-08	-3.17E-08	1.44E-07	8.17E-08	-6.23E-08
3624	478363.1	3850877.3	4.98E-07	2.74E-07	-2.24E-07	1.89E-07	1.07E-07	-8.19E-08	9.60E-08	5.43E-08	-4.17E-08	1.89E-07	1.07E-07	-8.19E-08
3625	478863.1	3850877.3	7.31E-07	4.03E-07	-3.28E-07	2.77E-07	1.57E-07	-1.20E-07	1.41E-07	8.00E-08	-6.10E-08	2.77E-07	1.57E-07	-1.20E-07
3626	479363.1	3850877.3	1.61E-06	8.92E-07	-7.13E-07	6.09E-07	3.48E-07	-2.61E-07	3.10E-07	1.77E-07	-1.33E-07	6.09E-07	3.48E-07	-2.61E-07
3627	479863.1	3850877.3	1.26E-05	6.73E-06	-5.87E-06	4.78E-06	2.63E-06	-2.16E-06	2.43E-06	1.34E-06	-1.10E-06	4.78E-06	2.63E-06	-2.16E-06
3628	480363.1	3850877.3	2.71E-06	1.48E-06	-1.23E-06	1.03E-06	5.77E-07	-4.50E-07	5.22E-07	2.94E-07	-2.29E-07	1.03E-06	5.77E-07	-4.50E-07
3629	480863.1	3850877.3	1.48E-06	8.14E-07	-6.70E-07	5.63E-07	3.17E-07	-2.46E-07	2.86E-07	1.61E-07	-1.25E-07	5.63E-07	3.17E-07	-2.46E-07
3630	481363.1	3850877.3	1.01E-06	5.53E-07	-4.52E-07	3.81E-07	2.16E-07	-1.66E-07	1.94E-07	1.10E-07	-8.43E-08	3.81E-07	2.16E-07	-1.66E-07
3631	481863.1	3850877.3	7.24E-07	3.98E-07	-3.26E-07	2.75E-07	1.55E-07	-1.19E-07	1.40E-07	7.89E-08	-6.07E-08	2.75E-07	1.55E-07	-1.19E-07
3632	482363.1	3850877.3	5.33E-07	2.93E-07	-2.40E-07	2.02E-07	1.14E-07	-8.78E-08	1.03E-07	5.82E-08	-4.46E-08	2.02E-07	1.14E-07	-8.78E-08
3633	482863.1	3850877.3	4.30E-07	2.37E-07	-1.93E-07	1.63E-07	9.24E-08	-7.07E-08	8.30E-08	4.70E-08	-3.60E-08	1.63E-07	9.24E-08	-7.07E-08
3634	483363.1	3850877.3	3.53E-07	1.94E-07	-1.58E-07	1.34E-07	7.58E-08	-5.79E-08	6.80E-08	3.86E-08	-2.95E-08	1.34E-07	7.58E-08	-5.79E-08
3635	483863.1	3850877.3	3.21E-07	1.77E-07	-1.44E-07	1.22E-07	6.91E-08	-5.26E-08	6.19E-08	3.51E-08	-2.67E-08	1.22E-07	6.91E-08	-5.26E-08
3636	484363.1	3850877.3	3.15E-07	1.74E-07	-1.41E-07	1.20E-07	6.79E-08	-5.17E-08	6.08E-08	3.45E-08	-2.63E-08	1.20E-07	6.79E-08	-5.17E-08
3637	484863.1	3850877.3	2.95E-07	1.63E-07	-1.32E-07	1.12E-07	6.35E-08	-4.82E-08	5.68E-08	3.23E-08	-2.45E-08	1.12E-07	6.35E-08	-4.82E-08
3638	485363.1	3850877.3	2.81E-07	1.55E-07	-1.25E-07	1.06E-07	6.05E-08	-4.59E-08	5.41E-08	3.08E-08	-2.34E-08	1.06E-07	6.05E-08	-4.59E-08
3639	485863.1	3850877.3	2.53E-07	1.40E-07	-1.13E-07	9.60E-08	5.46E-08	-4.15E-08	4.88E-08	2.77E-08	-2.11E-08	9.60E-08	5.46E-08	-4.15E-08
3640	486363.1	3850877.3	2.44E-07	1.35E-07	-1.09E-07	9.26E-08	5.26E-08	-4.00E-08	4.71E-08	2.67E-08	-2.03E-08	9.26E-08	5.26E-08	-4.00E-08
3641	486863.1	3850877.3	2.31E-07	1.27E-07	-1.03E-07	8.75E-08	4.97E-08	-3.78E-08	4.45E-08	2.53E-08	-1.92E-08	8.75E-08	4.97E-08	-3.78E-08
3642	487363.1	3850877.3	2.15E-07	1.19E-07	-9.63E-08	8.17E-08	4.64E-08	-3.53E-08	4.15E-08	2.36E-08	-1.79E-08	8.17E-08	4.64E-08	-3.53E-08
3643	487863.1	3850877.3	2.04E-07	1.13E-07	-9.14E-08	7.76E-08	4.41E-08	-3.35E-08	3.94E-08	2.24E-08	-1.70E-08	7.76E-08	4.41E-08	-3.35E-08
3644	488363.1	3850877.3	1.95E-07	1.08E-07	-8.70E-08	7.40E-08	4.21E-08	-3.19E-08	3.76E-08	2.14E-08	-1.62E-08	7.40E-08	4.21E-08	-3.19E-08
3645	488863.1	3850877.3	1.86E-07	1.03E-07	-8.28E-08	7.04E-08	4.01E-08	-3.03E-08	3.58E-08	2.04E-08	-1.54E-08	7.04E-08	4.01E-08	-3.03E-08
3646	489363.1	3850877.3	1.77E-07	9.83E-08	-7.92E-08	6.73E-08	3.83E-08	-2.90E-08	3.42E-08	1.95E-08	-1.47E-08	6.73E-08	3.83E-08	-2.90E-08
3647	489863.1	3850877.3	1.68E-07	9.32E-08	-7.48E-08	6.37E-08	3.64E-08	-2.74E-08	3.24E-08	1.85E-08	-1.39E-08	6.37E-08	3.64E-08	-2.74E-08
3648	490363.1	3850877.3	1.61E-07	8.91E-08	-7.16E-08	6.10E-08	3.48E-08	-2.62E-08	3.10E-08	1.77E-08	-1.33E-08	6.10E-08	3.48E-08	-2.62E-08
3649	490863.1	3850877.3	1.53E-07	8.51E-08	-6.80E-08	5.81E-08	3.32E-08	-2.49E-08	2.95E-08	1.69E-08	-1.27E-08	5.81E-08	3.32E-08	-2.49E-08
3650	491363.1	3850877.3	1.45E-07	8.03E-08	-6.43E-08	5.48E-08	3.13E-08	-2.35E-08	2.79E-08	1.59E-08	-1.20E-08	5.48E-08	3.13E-08	-2.35E-08
3651	491863.1	3850877.3	1.36E-07	7.54E-08	-6.02E-08	5.14E-08	2.94E-08	-2.20E-08	2.62E-08	1.49E-08	-1.12E-08	5.14E-08	2.94E-08	-2.20E-08
3652	492363.1	3850877.3	1.27E-07	7.09E-08	-5.65E-08	4.83E-08	2.77E-08	-2.07E-08	2.46E-08	1.41E-08	-1.05E-08	4.83E-08	2.77E-08	-2.07E-08
3653	492863.1	3850877.3	1.22E-07	6.76E-08	-5.40E-08	4.61E-08	2.64E-08	-1.98E-08	2.35E-08	1.34E-08	-1.00E-08	4.61E-08	2.64E-08	-1.98E-08
3654	493363.1	3850877.3	1.18E-07	6.54E-08	-5.22E-08	4.46E-08	2.55E-08	-1.91E-08	2.27E-08	1.30E-08	-9.71E-09	4.46E-08	2.55E-08	-1.91E-08
3655	493863.1	3850877.3	1.18E-07	6.60E-08	-5.24E-08	4.49E-08	2.57E-08	-1.92E-08	2.29E-08	1.31E-08	-9.76E-09	4.49E-08	2.57E-08	-1.92E-08
3656	494363.1	3850877.3	1.17E-07	6.50E-08	-5.16E-08	4.42E-08	2.54E-08	-1.89E-08	2.25E-08	1.29E-08	-9.61E-09	4.42E-08	2.54E-08	-1.89E-08
3657	494863.1	3850877.3	1.18E-07	6.59E-08	-5.21E-08	4.48E-08	2.57E-08	-1.91E-08	2.28E-08	1.31E-08	-9.70E-09	4.48E-08	2.57E-08	-1.91E-08
3658	495363.1	3850877.3	1.20E-07	6.71E-08	-5.31E-08	4.56E-08	2.62E-08	-1.94E-08	2.32E-08	1.33E-08	-9.89E-09	4.56E-08	2.62E-08	-1.94E-08
3659	495863.1	3850877.3	1.18E-07	6.59E-08	-5.21E-08	4.48E-08	2.57E-08	-1.91E-08	2.28E-08	1.31E-08	-9.70E-09	4.48E-08	2.57E-08	-1.91E-08
3660	496363.1	3850877.3	1.18E-07	6.56E-08	-5.19E-08	4.46E-08	2.56E-08	-1.90E-08	2.27E-08	1.30E-08	-9.66E-09	4.46E-08	2.56E-08	-1.90E-08
3661	496863.1	3850877.3	1.19E-07	6.65E-08	-5.24E-08	4.51E-08	2.59E-08	-1.92E-08	2.29E-08	1.32E-08	-9.75E-09	4.51E-08	2.59E-08	-1.92E-08
3662	497363.1	3850877.3	1.16E-07	6.51E-08	-5.10E-08	4.41E-08	2.54E-08	-1.87E-08	2.24E-08	1.29E-08	-9.50E-09	4.41E-08	2.54E-08	-1.87E-08
3663	497863.1	3850877.3	1.13E-07	6.33E-08	-4.97E-08	4.29E-08	2.47E-08	-1.82E-08	2.18E-08	1.26E-08	-9.25E-09	4.29E-08	2.47E-08	-1.82E-08
3664	498363.1	3850877.3	1.10E-07	6.14E-08	-4.84E-08	4.17E-08	2.40E-08	-1.77E-08	2.12E-08	1.22E-08	-9.01E-09	4.17E-08	2.40E-08	-1.77E-08

3665	471363.1	3851377.3	8.69E-08	4.80E-08	-3.89E-08	3.30E-08	1.87E-08	-1.42E-08	1.68E-08	9.53E-09	-7.24E-09	3.30E-08	1.87E-08	-1.42E-08
3666	471863.1	3851377.3	1.01E-07	5.58E-08	-4.51E-08	3.83E-08	2.18E-08	-1.65E-08	1.95E-08	1.11E-08	-8.40E-09	3.83E-08	2.18E-08	-1.65E-08
3667	472363.1	3851377.3	1.04E-07	5.76E-08	-4.69E-08	3.96E-08	2.25E-08	-1.72E-08	2.02E-08	1.14E-08	-8.73E-09	3.96E-08	2.25E-08	-1.72E-08
3668	472863.1	3851377.3	1.09E-07	6.01E-08	-4.89E-08	4.13E-08	2.34E-08	-1.79E-08	2.10E-08	1.19E-08	-9.11E-09	4.13E-08	2.34E-08	-1.79E-08
3669	473363.1	3851377.3	1.05E-07	5.79E-08	-4.71E-08	3.98E-08	2.26E-08	-1.72E-08	2.02E-08	1.15E-08	-8.76E-09	3.98E-08	2.26E-08	-1.72E-08
3670	473863.1	3851377.3	1.12E-07	6.19E-08	-5.02E-08	4.25E-08	2.42E-08	-1.84E-08	2.16E-08	1.23E-08	-9.35E-09	4.25E-08	2.42E-08	-1.84E-08
3671	474363.1	3851377.3	1.34E-07	7.38E-08	-6.00E-08	5.07E-08	2.88E-08	-2.20E-08	2.58E-08	1.46E-08	-1.12E-08	5.07E-08	2.88E-08	-2.20E-08
3672	474863.1	3851377.3	1.53E-07	8.41E-08	-6.86E-08	5.79E-08	3.28E-08	-2.51E-08	2.95E-08	1.67E-08	-1.28E-08	5.79E-08	3.28E-08	-2.51E-08
3673	475363.1	3851377.3	1.68E-07	9.22E-08	-7.53E-08	6.36E-08	3.60E-08	-2.76E-08	3.23E-08	1.83E-08	-1.40E-08	6.36E-08	3.60E-08	-2.76E-08
3674	475863.1	3851377.3	1.81E-07	1.00E-07	-8.15E-08	6.89E-08	3.90E-08	-2.99E-08	3.50E-08	1.98E-08	-1.52E-08	6.89E-08	3.90E-08	-2.99E-08
3675	476363.1	3851377.3	1.99E-07	1.09E-07	-8.91E-08	7.53E-08	4.27E-08	-3.26E-08	3.83E-08	2.17E-08	-1.66E-08	7.53E-08	4.27E-08	-3.26E-08
3676	476863.1	3851377.3	2.18E-07	1.20E-07	-9.84E-08	8.29E-08	4.68E-08	-3.60E-08	4.21E-08	2.38E-08	-1.83E-08	8.29E-08	4.68E-08	-3.60E-08
3677	477363.1	3851377.3	2.40E-07	1.32E-07	-1.08E-07	9.11E-08	5.15E-08	-3.95E-08	4.63E-08	2.62E-08	-2.01E-08	9.11E-08	5.15E-08	-3.95E-08
3678	477863.1	3851377.3	2.71E-07	1.49E-07	-1.21E-07	1.03E-07	5.83E-08	-4.44E-08	5.22E-08	2.96E-08	-2.26E-08	1.03E-07	5.83E-08	-4.44E-08
3679	478363.1	3851377.3	3.13E-07	1.73E-07	-1.40E-07	1.19E-07	6.75E-08	-5.12E-08	6.04E-08	3.43E-08	-2.60E-08	1.19E-07	6.75E-08	-5.12E-08
3680	478863.1	3851377.3	3.80E-07	2.09E-07	-1.70E-07	1.44E-07	8.16E-08	-6.24E-08	7.32E-08	4.15E-08	-3.17E-08	1.44E-07	8.16E-08	-6.24E-08
3681	479363.1	3851377.3	4.90E-07	2.70E-07	-2.20E-07	1.86E-07	1.05E-07	-8.06E-08	9.46E-08	5.36E-08	-4.10E-08	1.86E-07	1.05E-07	-8.06E-08
3682	479863.1	3851377.3	7.17E-07	3.96E-07	-3.21E-07	2.72E-07	1.55E-07	-1.18E-07	1.38E-07	7.86E-08	-5.98E-08	2.72E-07	1.55E-07	-1.18E-07
3683	480363.1	3851377.3	1.56E-06	8.60E-07	-7.01E-07	5.92E-07	3.35E-07	-2.57E-07	3.01E-07	1.71E-07	-1.30E-07	5.92E-07	3.35E-07	-2.57E-07
3684	480863.1	3851377.3	1.38E-05	7.60E-06	-6.16E-06	5.22E-06	2.96E-06	-2.26E-06	2.65E-06	1.51E-06	-1.15E-06	5.22E-06	2.96E-06	-2.26E-06
3685	481363.1	3851377.3	2.52E-06	1.39E-06	-1.13E-06	9.55E-07	5.40E-07	-4.15E-07	4.86E-07	2.75E-07	-2.11E-07	9.55E-07	5.40E-07	-4.15E-07
3686	481863.1	3851377.3	1.22E-06	6.69E-07	-5.46E-07	4.61E-07	2.61E-07	-2.00E-07	2.34E-07	1.33E-07	-1.02E-07	4.61E-07	2.61E-07	-2.00E-07
3687	482363.1	3851377.3	7.94E-07	4.37E-07	-3.58E-07	3.01E-07	1.70E-07	-1.31E-07	1.53E-07	8.66E-08	-6.66E-08	3.01E-07	1.70E-07	-1.31E-07
3688	482863.1	3851377.3	5.48E-07	3.02E-07	-2.45E-07	2.08E-07	1.18E-07	-8.99E-08	1.06E-07	5.99E-08	-4.57E-08	2.08E-07	1.18E-07	-8.99E-08
3689	483363.1	3851377.3	4.19E-07	2.31E-07	-1.88E-07	1.59E-07	9.02E-08	-6.87E-08	8.08E-08	4.59E-08	-3.49E-08	1.59E-07	9.02E-08	-6.87E-08
3690	483863.1	3851377.3	3.58E-07	1.98E-07	-1.60E-07	1.36E-07	7.71E-08	-5.86E-08	6.90E-08	3.92E-08	-2.98E-08	1.36E-07	7.71E-08	-5.86E-08
3691	484363.1	3851377.3	3.55E-07	1.96E-07	-1.58E-07	1.35E-07	7.66E-08	-5.80E-08	6.85E-08	3.90E-08	-2.95E-08	1.35E-07	7.66E-08	-5.80E-08
3692	484863.1	3851377.3	2.96E-07	1.64E-07	-1.32E-07	1.12E-07	6.38E-08	-4.85E-08	5.71E-08	3.24E-08	-2.46E-08	1.12E-07	6.38E-08	-4.85E-08
3693	485363.1	3851377.3	3.01E-07	1.67E-07	-1.34E-07	1.14E-07	6.51E-08	-4.92E-08	5.81E-08	3.31E-08	-2.50E-08	1.14E-07	6.51E-08	-4.92E-08
3694	485863.1	3851377.3	2.68E-07	1.48E-07	-1.20E-07	1.02E-07	5.79E-08	-4.38E-08	5.17E-08	2.94E-08	-2.23E-08	1.02E-07	5.79E-08	-4.38E-08
3695	486363.1	3851377.3	2.59E-07	1.44E-07	-1.16E-07	9.84E-08	5.60E-08	-4.24E-08	5.00E-08	2.85E-08	-2.15E-08	9.84E-08	5.60E-08	-4.24E-08
3696	486863.1	3851377.3	2.41E-07	1.34E-07	-1.08E-07	9.16E-08	5.22E-08	-3.94E-08	4.66E-08	2.65E-08	-2.00E-08	9.16E-08	5.22E-08	-3.94E-08
3697	487363.1	3851377.3	2.17E-07	1.20E-07	-9.68E-08	8.23E-08	4.69E-08	-3.54E-08	4.19E-08	2.39E-08	-1.80E-08	8.23E-08	4.69E-08	-3.54E-08
3698	487863.1	3851377.3	2.12E-07	1.17E-07	-9.42E-08	8.03E-08	4.58E-08	-3.45E-08	4.08E-08	2.33E-08	-1.75E-08	8.03E-08	4.58E-08	-3.45E-08
3699	488363.1	3851377.3	2.03E-07	1.12E-07	-9.02E-08	7.69E-08	4.38E-08	-3.30E-08	3.91E-08	2.23E-08	-1.68E-08	7.69E-08	4.38E-08	-3.30E-08
3700	488863.1	3851377.3	1.92E-07	1.07E-07	-8.54E-08	7.30E-08	4.17E-08	-3.13E-08	3.71E-08	2.12E-08	-1.59E-08	7.30E-08	4.17E-08	-3.13E-08
3701	489363.1	3851377.3	1.83E-07	1.02E-07	-8.13E-08	6.95E-08	3.98E-08	-2.98E-08	3.54E-08	2.02E-08	-1.51E-08	6.95E-08	3.98E-08	-2.98E-08
3702	489863.1	3851377.3	1.74E-07	9.68E-08	-7.70E-08	6.59E-08	3.77E-08	-2.82E-08	3.35E-08	1.92E-08	-1.43E-08	6.59E-08	3.77E-08	-2.82E-08
3703	490363.1	3851377.3	1.66E-07	9.24E-08	-7.34E-08	6.29E-08	3.60E-08	-2.69E-08	3.20E-08	1.83E-08	-1.37E-08	6.29E-08	3.60E-08	-2.69E-08
3704	490863.1	3851377.3	1.58E-07	8.79E-08	-6.97E-08	5.98E-08	3.43E-08	-2.55E-08	3.04E-08	1.74E-08	-1.30E-08	5.98E-08	3.43E-08	-2.55E-08
3705	491363.1	3851377.3	1.49E-07	8.31E-08	-6.55E-08	5.64E-08	3.24E-08	-2.40E-08	2.87E-08	1.65E-08	-1.22E-08	5.64E-08	3.24E-08	-2.40E-08
3706	491863.1	3851377.3	1.41E-07	7.88E-08	-6.22E-08	5.35E-08	3.07E-08	-2.27E-08	2.72E-08	1.56E-08	-1.16E-08	5.35E-08	3.07E-08	-2.27E-08
3707	492363.1	3851377.3	1.35E-07	7.55E-08	-5.96E-08	5.13E-08	2.94E-08	-2.18E-08	2.61E-08	1.50E-08	-1.11E-08	5.13E-08	2.94E-08	-2.18E-08
3708	492863.1	3851377.3	1.28E-07	7.18E-08	-5.66E-08	4.87E-08	2.80E-08	-2.07E-08	2.48E-08	1.42E-08	-1.05E-08	4.87E-08	2.80E-08	-2.07E-08
3709	493363.1	3851377.3	1.18E-07	6.59E-08	-5.21E-08	4.48E-08	2.57E-08	-1.91E-08	2.28E-08	1.31E-08	-9.70E-09	4.48E-08	2.57E-08	-1.91E-08
3710	493863.1	3851377.3	1.19E-07	6.65E-08	-5.24E-08	4.51E-08	2.59E-08	-1.92E-08	2.29E-08	1.32E-08	-9.75E-09	4.51E-08	2.59E-08	-1.92E-08
3711	494363.1	3851377.3	1.25E-07	6.98E-08	-5.49E-08	4.73E-08	2.72E-08	-2.01E-08	2.41E-08	1.38E-08	-1.02E-08	4.73E-08	2.72E-08	-2.01E-08
3712	494863.1	3851377.3	1.23E-07	6.90E-08	-5.40E-08	4.66E-08	2.69E-08	-1.97E-08	2.37E-08	1.37E-08	-1.00E-08	4.66E-08	2.69E-08	-1.97E-08
3713	495363.1	3851377.3	1.27E-07	7.17E-08	-5.58E-08	4.83E-08	2.80E-08	-2.04E-08	2.46E-08	1.42E-08	-1.04E-08	4.83E-08	2.80E-08	-2.04E-08
3714	495863.1	3851377.3	1.27E-07	7.12E-08	-5.54E-08	4.80E-08	2.78E-08	-2.02E-08	2.44E-08	1.41E-08	-1.03E-08	4.80E-08	2.78E-08	-2.02E-08
3715	496363.1	3851377.3	1.25E-07	7.02E-08	-5.46E-08	4.73E-08	2.74E-08	-1.99E-08	2.41E-08	1.39E-08	-1.01E-08	4.73E-08	2.74E-08	-1.99E-08
3716	496863.1	3851377.3	1.22E-07	6.88E-08	-5.37E-08	4.65E-08	2.68E-08	-1.96E-08	2.36E-08	1.37E-08	-9.98E-09	4.65E-08	2.68E-08	-1.96E-08
3717	497363.1	3851377.3	1.20E-07	6.74E-08	-5.24E-08	4.54E-08	2.63E-08	-1.92E-08	2.31E-08	1.34E-08	-9.75E-09	4.54E-08	2.63E-08	-1.92E-08
3718	497863.1	3851377.3	1.17E-07	6.56E-08	-5.10E-08	4.42E-08	2.56E-08	-1.87E-08	2.25E-08	1.30E-08	-9.48E-09	4.42E-08	2.56E-08	-1.87E-08
3719	498363.1	3851377.3	1.12E-07	6.27E-08	-4.90E-08	4.24E-08	2.44E-08	-1.79E-08	2.15E-08	1.24E-08	-9.12E-09	4.24E-08	2.44E-08	-1.79E-08
3720	471363.1	3851877.3	8.51E-08	4.69E-08	-3.82E-08	3.23E-08	1.83E-08	-1.40E-08	1.64E-08	9.31E-09	-7.12E-09	3.23E-08	1.83E-08	-1.40E-08
3721	471863.1	3851877.3	8.56E-08	4.73E-08	-3.83E-08	3.25E-08	1.84E-08	-1.40E-08	1.65E-08	9.38E-09	-7.13E-09	3.25E-08	1.84E-08	-1.40E-08
3722	472363.1	3851877.3	9.32E-08	5.16E-08	-4.16E-08	3.54E-08	2.01E-08	-1.52E-08	1.80E-08	1.02E-08	-7.75E-09	3.54E-08	2.01E-08	-1.52E-08
3723	472863.1	3851877.3	1.00E-07	5.55E-08	-4.49E-08	3.81E-08	2.17E-08	-1.64E-08	1.94E-08	1.10E-08	-8.36E-09	3.81E-08	2.17E-08	-1.64E-08
3724	473363.1	3851877.3	9.77E-08	5.41E-08	-4.37E-08	3.71E-08	2.11E-08	-1.60E-08	1.89E-08	1.07E-08	-8.13E-09	3.71E-08	2.11E-08	-1.60E-08
3725	473863.1	3851877.3	1.00E-07	5.54E-08	-4.46E-08	3.79E-08	2.16E-08	-1.63E-08	1.93E-08	1.10E-08	-8.30E-09	3.79E-08	2.16E-08	-1.63E-08
3726	474363.1	3851877.3	1.13E-07	6.28E-08	-5.07E-08	4.31E-08	2.45E-08	-1.86E-08	2.19E-08	1.25E-08	-9.44E-09	4.31E-08	2.45E-08	-1.86E-08
3727	474863.1	3851877.3	1.29E-07	7.14E-08	-5.78E-08	4.90E-08	2.79E-08	-2.12E-08	2.49E-08	1.42E-08	-1.08E-08	4.90E-08	2.79E-08	-2.12E-08
3728	475363.1	3851877.3	1.41E-07	7.81E-08	-6.33E-08	5.36E-08	3.04E-08	-2.32E-08	2.73E-08	1.55E-08	-1.18E-08	5.36E-08	3.04E-08	-2.32E-08
3729	475863.1	3851877.3	1.54E-07	8.48E-08	-6.92E-08	5.84E-08	3.31E-08	-2.53E-08	2.97E-08	1.68E-08	-1.29E-08	5.84E-08	3.31E-08	-2.53E-08
3730	476363.1	3851877.3	1.61E-07	8.87E-08	-7.21E-08	6.10E-08	3.46E-08	-2.64E-08	3.10E-08	1.76E-08	-1.34E-08	6.10E-08	3.46E-08	-2.64E-08
3731	476863.1	3851877.3	1.77E-07	9.79E-08	-7.95E-08	6.73E-08	3.82E-08	-2.91E-08	3.42E-08	1.94E-08	-1.48E-08	6.73E-08	3.82E-08	-2.91E-08
3732	477363.1	3851877.3	1.95E-07	1.07E-07	-8.72E-08	7.38E-08	4.19E-08	-3.19E-08	3.75E-08	2.13E-08	-1.62E-08	7.38E-08	4.19E-08	-3.19E-08
3733	477863.1	3851877.3	2.13E-07	1.18E-07	-9.57E-08	8.10E-08	4.59E-08	-3.51E-08	4.12E-08	2.33E-08	-1.78E-08	8.10E-08	4.59E-08	-3.51E-08
3734	478363.1	3851877.3	2.32E-07	1.28E-07	-1.04E-07	8.82E-08	5.00E-08	-3.81E-08	4.48E-08	2.54E-08	-1.94E-08	8.82E-08	5.00E-08	-3.81E-08
3735	478863.1	3851877.3	2.67E-07	1.48E-07	-1.19E-07	1.01E-07	5.76E-08	-4.36E-08	5.14E-08	2.93E-08	-2.22E-08	1.01E-07	5.76E-08	-4.36E-08
3736	479363.1	3851877.3	3.15E-07	1.74E-07	-1.41E-07	1.20E-07	6.80E-08	-5.16E-08	6.08E-08	3.46E-08	-2.63E-08	1.20E-07	6.80E-08	-5.16E-08
3737	479863.1	3851877.3	3.84E-07	2.12E-07	-1.72E-07	1.46E-07	8.25E-08	-6.31E-08	7.40E-08	4.20E-08	-3.21E-08	1.46E-07	8.25E-08	-6.31E-08
3738	480363.1	3851877.3	5.00E-07	2.76E-07	-2.24E-07	1.90E-07	1.08E-07	-8.21E-08	9.65E-08	5.48E-08	-4.18E-08	1.90E-07	1.08E-07	-8.21E-08
3739	480863.1	3851877.3	7.82E-07	4.30E-07	-3.52E-07	2.97E-07	1.68E-07	-1.29E-07	1.51E-07	8.53E-08	-6.56E-08	2.97E-07	1.68E-07	-1.29E-07
3740	481363.1	3851877.3	3.51E-06	1.94E-06	-1.58E-06	1.33E-06	7.55E-07	-5.78E-07	6.78E-07	3.84E-07	-2.94E-07	1.33E-06	7.55E-07	-5.78E-07
3741	481863.1	3851877.3	2.43E-06	1.33E-06	-1.10E-06	9.21E-07	5.20E-07	-4.01E-07	4.68E-07	2.64E-07	-2.04E-07	9.21E-07	5.20E-07	-4.01E-07
3742	482363.1	3851877.3	9.65E-07	5.31E-07	-4.34E-07	3.66E-07	2.07E-07	-1.59E-07	1.86E-07	1.05E-07	-8.09E-08	3.66E-07	2.07E-07	-1.59E-07
3743	482863.1	3851877.3	5.96E-07	3.29E-07	-2.67E-07	2.26E-07	1.28E-07	-9.77E-08	1.15E-07	6.53E-08	-4.97E-08	2.26E-07	1.28E-07	-9.77E-08
3744	483363.1	3851877.3	4.96E-07	2.75E-07	-2.21E-07	1.88E-07	1.07E-07	-8.11E-08	9.57E-08	5.45E-08	-4.12E-08	1.88E-07	1.07E-07	-8.11E-08
3745	483863.1	3851877.3	4.16E-07	2.31E-07	-1.85E-07	1.58E-07	9.00E-08	-6.78E-08	8.03E-08	4.58E-08	-3.45E-08	1.58E-07	9.00E-08	-6.78E-08
3746	484363.1	3851877.3	3.87E-07	2.15E-07	-1.72E-07	1.47E-07	8.39E-08	-6.30E-08	7.47E-08	4.27E-08	-3.21E-08	1.47E-07	8.39E-08	-6.30E-08
3747	484863.1	3851877.3	3.41E-07	1.89E-07	-1.52E-07	1.29E-07	7.38E-08	-5.55E-08	6.58E-08	3.75E-08	-2.82E-08	1.29E-07	7.38E-08	-5.55E-08
3748	485363.1	3851877.3	3.17E-07	1.76E-07	-1.41E-07	1.20E-07	6.87E-08	-5.14E-08	6.11E-08	3.49E-08	-2.62E-08	1.20E-07	6.87E-08	-5.14E-08
3749	485863.1	3851877.3	2.95E-07	1.64E-07	-1.31E-07	1.12E-07	6.41E-08	-4.78E-08	5.69E-08	3.26E-08	-2.43E-08	1.12E-07	6.41E-08	-4.78E-08
3750	486363.1	3851877.3	2.65E-07	1.48E-07	-1.18E-07	1.01E-07	5.76E-08	-4.30E-08	5.12E-08	2.93E-08	-2.19E-08	1.01E-07	5.76E-08	-4.30E-08
3751	486863.1	3851877.3	2.48E-07	1.38E-07	-1.10E-07	9.41E-08	5.39E-08	-4.03E-08	4.79E-08	2.74E-08	-2.05E-08	9.41E-08	5.39E-08	-4.03E-08
3752	487363.1	3851877.3	2.33E-07	1.30E-07	-1.03E-07	8.83E-08	5.06E-08	-3.77E-08	4.49E-08	2.57E-08	-1.92E-08	8.83E-08	5.06E-08	-3.77E-08
3753	487863.1	3851877.3	2.11E-07	1.18E-07	-9.36E-08	8.01E-08	4.59E-08	-3.43E-08	4.07E-08	2.33E-08	-1.74E-08	8.01E-08	4.59E-08	-3.43E-08
3754	488363.1	3851877.3	2.01E-07	1.12E-07	-8.88E-08	7.62E-08	4.37E-08	-3.25E-08	3.87E-08	2.22E-08	-1.65E-08	7.62E-08	4.37E-08	-3.25E-08
3755	488863.1	3851877.3	1.87E-07	1.05E-07	-8.27E-08	7.11E-08	4.08E-08	-3.02E-08	3.61E-08	2.08E-08	-1.54E-08	7.11E-08	4.08E-08	-3.02E-08
3756	489363.1	3851877.3	1.76E-07	9.83E-08	-7.74E-08	6.66E-08	3.83E-08	-2.83E-08	3.39E-08	1.95E-08	-1.44E-08	6.66E-08	3.83E-08	-2.83E-08
3757	489863.1	3851877.3	1.67E-07	9.32E-08	-7.34E-08	6.32E-08	3.64E-08	-2.69E-08	3.21E-08	1.85E-08	-1.37E-08	6.32E-08	3.64E-08	-2.69E-08
3758	490363.1	3851877.3	1.60E-07	8.99E-08	-7.04E-08	6.08E-08	3.51E-08	-2.58E-08	3.09E-08	1.78E-08	-1.31E-08	6.08E-08	3.51E-08	-2.58E-08

3759	490863.1	3851877.3	1.55E-07	8.73E-08	-6.81E-08	5.89E-08	3.41E-08	-2.49E-08	3.00E-08	1.73E-08	-1.27E-08	5.89E-08	3.41E-08	-2.49E-08
3760	491363.1	3851877.3	1.52E-07	8.55E-08	-6.63E-08	5.76E-08	3.33E-08	-2.42E-08	2.93E-08	1.69E-08	-1.23E-08	5.76E-08	3.33E-08	-2.42E-08
3761	491863.1	3851877.3	1.48E-07	8.31E-08	-6.46E-08	5.60E-08	3.24E-08	-2.36E-08	2.85E-08	1.65E-08	-1.20E-08	5.60E-08	3.24E-08	-2.36E-08
3762	492363.1	3851877.3	1.41E-07	7.92E-08	-6.13E-08	5.33E-08	3.09E-08	-2.24E-08	2.71E-08	1.57E-08	-1.14E-08	5.33E-08	3.09E-08	-2.24E-08
3763	492863.1	3851877.3	1.27E-07	7.12E-08	-5.54E-08	4.80E-08	2.78E-08	-2.02E-08	2.44E-08	1.41E-08	-1.03E-08	4.80E-08	2.78E-08	-2.02E-08
3764	493363.1	3851877.3	1.33E-07	7.51E-08	-5.82E-08	5.06E-08	2.93E-08	-2.13E-08	2.57E-08	1.49E-08	-1.08E-08	5.06E-08	2.93E-08	-2.13E-08
3765	493863.1	3851877.3	1.40E-07	7.88E-08	-6.08E-08	5.30E-08	3.07E-08	-2.22E-08	2.69E-08	1.56E-08	-1.13E-08	5.30E-08	3.07E-08	-2.22E-08
3766	494363.1	3851877.3	1.34E-07	7.55E-08	-5.83E-08	5.07E-08	2.94E-08	-2.13E-08	2.58E-08	1.50E-08	-1.08E-08	5.07E-08	2.94E-08	-2.13E-08
3767	494863.1	3851877.3	1.36E-07	7.67E-08	-5.88E-08	5.14E-08	2.99E-08	-2.15E-08	2.62E-08	1.52E-08	-1.09E-08	5.14E-08	2.99E-08	-2.15E-08
3768	495363.1	3851877.3	1.36E-07	7.66E-08	-5.90E-08	5.14E-08	2.99E-08	-2.16E-08	2.62E-08	1.52E-08	-1.10E-08	5.14E-08	2.99E-08	-2.16E-08
3769	495863.1	3851877.3	1.34E-07	7.57E-08	-5.80E-08	5.07E-08	2.95E-08	-2.12E-08	2.58E-08	1.50E-08	-1.08E-08	5.07E-08	2.95E-08	-2.12E-08
3770	496363.1	3851877.3	1.31E-07	7.39E-08	-5.67E-08	4.95E-08	2.88E-08	-2.07E-08	2.52E-08	1.47E-08	-1.05E-08	4.95E-08	2.88E-08	-2.07E-08
3771	496863.1	3851877.3	1.27E-07	7.18E-08	-5.52E-08	4.82E-08	2.80E-08	-2.02E-08	2.45E-08	1.42E-08	-1.03E-08	4.82E-08	2.80E-08	-2.02E-08
3772	497363.1	3851877.3	1.23E-07	6.97E-08	-5.37E-08	4.68E-08	2.72E-08	-1.96E-08	2.38E-08	1.38E-08	-9.98E-09	4.68E-08	2.72E-08	-1.96E-08
3773	497863.1	3851877.3	1.18E-07	6.62E-08	-5.13E-08	4.46E-08	2.58E-08	-1.88E-08	2.27E-08	1.31E-08	-9.54E-09	4.46E-08	2.58E-08	-1.88E-08
3774	498363.1	3851877.3	1.13E-07	6.33E-08	-4.93E-08	4.27E-08	2.47E-08	-1.80E-08	2.17E-08	1.26E-08	-9.17E-09	4.27E-08	2.47E-08	-1.80E-08
3775	471363.1	3852377.3	7.48E-08	4.11E-08	-3.36E-08	2.84E-08	1.60E-08	-1.23E-08	1.44E-08	8.16E-09	-6.27E-09	2.84E-08	1.60E-08	-1.23E-08
3776	471863.1	3852377.3	8.11E-08	4.47E-08	-3.64E-08	3.08E-08	1.74E-08	-1.33E-08	1.56E-08	8.87E-09	-6.77E-09	3.08E-08	1.74E-08	-1.33E-08
3777	472363.1	3852377.3	8.60E-08	4.73E-08	-3.87E-08	3.26E-08	1.84E-08	-1.42E-08	1.66E-08	9.38E-09	-7.22E-09	3.26E-08	1.84E-08	-1.42E-08
3778	472863.1	3852377.3	9.05E-08	4.99E-08	-4.06E-08	3.43E-08	1.95E-08	-1.49E-08	1.75E-08	9.89E-09	-7.57E-09	3.43E-08	1.95E-08	-1.49E-08
3779	473363.1	3852377.3	9.41E-08	5.18E-08	-4.23E-08	3.57E-08	2.02E-08	-1.55E-08	1.82E-08	1.03E-08	-7.88E-09	3.57E-08	2.02E-08	-1.55E-08
3780	473863.1	3852377.3	9.59E-08	5.29E-08	-4.30E-08	3.64E-08	2.07E-08	-1.57E-08	1.85E-08	1.05E-08	-8.00E-09	3.64E-08	2.07E-08	-1.57E-08
3781	474363.1	3852377.3	9.82E-08	5.43E-08	-4.39E-08	3.72E-08	2.12E-08	-1.61E-08	1.89E-08	1.08E-08	-8.17E-09	3.72E-08	2.12E-08	-1.61E-08
3782	474863.1	3852377.3	1.16E-07	6.43E-08	-5.19E-08	4.41E-08	2.51E-08	-1.90E-08	2.24E-08	1.27E-08	-9.67E-09	4.41E-08	2.51E-08	-1.90E-08
3783	475363.1	3852377.3	1.21E-07	6.70E-08	-5.37E-08	4.58E-08	2.61E-08	-1.97E-08	2.33E-08	1.33E-08	-1.00E-08	4.58E-08	2.61E-08	-1.97E-08
3784	475863.1	3852377.3	1.26E-07	6.97E-08	-5.60E-08	4.77E-08	2.72E-08	-2.05E-08	2.42E-08	1.38E-08	-1.04E-08	4.77E-08	2.72E-08	-2.05E-08
3785	476363.1	3852377.3	1.30E-07	7.19E-08	-5.78E-08	4.92E-08	2.80E-08	-2.12E-08	2.50E-08	1.43E-08	-1.08E-08	4.92E-08	2.80E-08	-2.12E-08
3786	476863.1	3852377.3	1.41E-07	7.82E-08	-6.32E-08	5.36E-08	3.05E-08	-2.31E-08	2.73E-08	1.55E-08	-1.18E-08	5.36E-08	3.05E-08	-2.31E-08
3787	477363.1	3852377.3	1.48E-07	8.18E-08	-6.64E-08	5.62E-08	3.19E-08	-2.43E-08	2.86E-08	1.62E-08	-1.24E-08	5.62E-08	3.19E-08	-2.43E-08
3788	477863.1	3852377.3	1.40E-07	7.73E-08	-6.23E-08	5.30E-08	3.02E-08	-2.28E-08	2.69E-08	1.53E-08	-1.16E-08	5.30E-08	3.02E-08	-2.28E-08
3789	478363.1	3852377.3	1.38E-07	7.65E-08	-6.13E-08	5.23E-08	2.98E-08	-2.25E-08	2.66E-08	1.52E-08	-1.14E-08	5.23E-08	2.98E-08	-2.25E-08
3790	478863.1	3852377.3	1.69E-07	9.37E-08	-7.52E-08	6.41E-08	3.65E-08	-2.75E-08	3.26E-08	1.86E-08	-1.40E-08	6.41E-08	3.65E-08	-2.75E-08
3791	479363.1	3852377.3	1.96E-07	1.09E-07	-8.70E-08	7.43E-08	4.25E-08	-3.19E-08	3.78E-08	2.16E-08	-1.62E-08	7.43E-08	4.25E-08	-3.19E-08
3792	479863.1	3852377.3	2.58E-07	1.44E-07	-1.15E-07	9.81E-08	5.60E-08	-4.21E-08	4.99E-08	2.85E-08	-2.14E-08	9.81E-08	5.60E-08	-4.21E-08
3793	480363.1	3852377.3	3.36E-07	1.85E-07	-1.50E-07	1.27E-07	7.22E-08	-5.50E-08	6.47E-08	3.67E-08	-2.80E-08	1.27E-07	7.22E-08	-5.50E-08
3794	480863.1	3852377.3	4.36E-07	2.41E-07	-1.95E-07	1.66E-07	9.40E-08	-7.16E-08	8.42E-08	4.78E-08	-3.64E-08	1.66E-07	9.40E-08	-7.16E-08
3795	481363.1	3852377.3	7.12E-07	3.92E-07	-3.20E-07	2.70E-07	1.53E-07	-1.17E-07	1.37E-07	7.78E-08	-5.96E-08	2.70E-07	1.53E-07	-1.17E-07
3796	481863.1	3852377.3	4.06E-06	2.24E-06	-1.82E-06	1.54E-06	8.72E-07	-6.67E-07	7.83E-07	4.44E-07	-3.39E-07	1.54E-06	8.72E-07	-6.67E-07
3797	482363.1	3852377.3	2.26E-06	1.24E-06	-1.02E-06	8.58E-07	4.84E-07	-3.74E-07	4.36E-07	2.46E-07	-1.90E-07	8.58E-07	4.84E-07	-3.74E-07
3798	482863.1	3852377.3	9.58E-07	5.30E-07	-4.28E-07	3.63E-07	2.07E-07	-1.57E-07	1.85E-07	1.05E-07	-7.97E-08	3.63E-07	2.07E-07	-1.57E-07
3799	483363.1	3852377.3	5.88E-07	3.27E-07	-2.61E-07	2.23E-07	1.27E-07	-9.56E-08	1.13E-07	6.48E-08	-4.86E-08	2.23E-07	1.27E-07	-9.56E-08
3800	483863.1	3852377.3	4.53E-07	2.52E-07	-2.01E-07	1.72E-07	9.82E-08	-7.35E-08	8.73E-08	4.99E-08	-3.74E-08	1.72E-07	9.82E-08	-7.35E-08
3801	484363.1	3852377.3	4.14E-07	2.31E-07	-1.83E-07	1.57E-07	9.00E-08	-6.70E-08	7.98E-08	4.58E-08	-3.41E-08	1.57E-07	9.00E-08	-6.70E-08
3802	484863.1	3852377.3	3.78E-07	2.11E-07	-1.67E-07	1.44E-07	8.25E-08	-6.10E-08	7.30E-08	4.19E-08	-3.10E-08	1.44E-07	8.25E-08	-6.10E-08
3803	485363.1	3852377.3	3.48E-07	1.95E-07	-1.53E-07	1.32E-07	7.61E-08	-5.60E-08	6.72E-08	3.87E-08	-2.85E-08	1.32E-07	7.61E-08	-5.60E-08
3804	485863.1	3852377.3	3.08E-07	1.73E-07	-1.35E-07	1.17E-07	6.75E-08	-4.94E-08	5.94E-08	3.43E-08	-2.51E-08	1.17E-07	6.75E-08	-4.94E-08
3805	486363.1	3852377.3	2.69E-07	1.51E-07	-1.18E-07	1.02E-07	5.90E-08	-4.32E-08	5.20E-08	3.00E-08	-2.20E-08	1.02E-07	5.90E-08	-4.32E-08
3806	486863.1	3852377.3	2.48E-07	1.39E-07	-1.09E-07	9.41E-08	5.44E-08	-3.98E-08	4.79E-08	2.76E-08	-2.02E-08	9.41E-08	5.44E-08	-3.98E-08
3807	487363.1	3852377.3	2.27E-07	1.27E-07	-9.92E-08	8.59E-08	4.97E-08	-3.63E-08	4.37E-08	2.53E-08	-1.84E-08	8.59E-08	4.97E-08	-3.63E-08
3808	487863.1	3852377.3	2.08E-07	1.17E-07	-9.08E-08	7.88E-08	4.56E-08	-3.32E-08	4.01E-08	2.32E-08	-1.69E-08	7.88E-08	4.56E-08	-3.32E-08
3809	488363.1	3852377.3	1.92E-07	1.08E-07	-8.37E-08	7.28E-08	4.22E-08	-3.06E-08	3.70E-08	2.14E-08	-1.56E-08	7.28E-08	4.22E-08	-3.06E-08
3810	488863.1	3852377.3	1.77E-07	9.96E-08	-7.69E-08	6.70E-08	3.89E-08	-2.81E-08	3.41E-08	1.98E-08	-1.43E-08	6.70E-08	3.89E-08	-2.81E-08
3811	489363.1	3852377.3	1.65E-07	9.33E-08	-7.19E-08	6.27E-08	3.64E-08	-2.63E-08	3.19E-08	1.85E-08	-1.34E-08	6.27E-08	3.64E-08	-2.63E-08
3812	489863.1	3852377.3	1.53E-07	8.63E-08	-6.63E-08	5.79E-08	3.37E-08	-2.43E-08	2.95E-08	1.71E-08	-1.23E-08	5.79E-08	3.37E-08	-2.43E-08
3813	490363.1	3852377.3	1.54E-07	8.72E-08	-6.68E-08	5.84E-08	3.40E-08	-2.44E-08	2.97E-08	1.73E-08	-1.24E-08	5.84E-08	3.40E-08	-2.44E-08
3814	490863.1	3852377.3	1.53E-07	8.68E-08	-6.63E-08	5.81E-08	3.39E-08	-2.42E-08	2.95E-08	1.72E-08	-1.23E-08	5.81E-08	3.39E-08	-2.42E-08
3815	491363.1	3852377.3	1.59E-07	9.01E-08	-6.84E-08	6.01E-08	3.52E-08	-2.50E-08	3.06E-08	1.79E-08	-1.27E-08	6.01E-08	3.52E-08	-2.50E-08
3816	491863.1	3852377.3	1.55E-07	8.82E-08	-6.68E-08	5.88E-08	3.44E-08	-2.44E-08	2.99E-08	1.75E-08	-1.24E-08	5.88E-08	3.44E-08	-2.44E-08
3817	492363.1	3852377.3	1.51E-07	8.58E-08	-6.50E-08	5.72E-08	3.35E-08	-2.38E-08	2.91E-08	1.70E-08	-1.21E-08	5.72E-08	3.35E-08	-2.38E-08
3818	492863.1	3852377.3	1.50E-07	8.55E-08	-6.45E-08	5.69E-08	3.33E-08	-2.36E-08	2.89E-08	1.69E-08	-1.20E-08	5.69E-08	3.33E-08	-2.36E-08
3819	493363.1	3852377.3	1.52E-07	8.69E-08	-6.53E-08	5.77E-08	3.39E-08	-2.38E-08	2.94E-08	1.72E-08	-1.21E-08	5.77E-08	3.39E-08	-2.38E-08
3820	493863.1	3852377.3	1.48E-07	8.42E-08	-6.35E-08	5.60E-08	3.28E-08	-2.32E-08	2.85E-08	1.67E-08	-1.18E-08	5.60E-08	3.28E-08	-2.32E-08
3821	494363.1	3852377.3	1.44E-07	8.19E-08	-6.18E-08	5.45E-08	3.19E-08	-2.26E-08	2.77E-08	1.62E-08	-1.15E-08	5.45E-08	3.19E-08	-2.26E-08
3822	494863.1	3852377.3	1.44E-07	8.19E-08	-6.18E-08	5.45E-08	3.19E-08	-2.26E-08	2.77E-08	1.62E-08	-1.15E-08	5.45E-08	3.19E-08	-2.26E-08
3823	495363.1	3852377.3	1.43E-07	8.18E-08	-6.14E-08	5.43E-08	3.19E-08	-2.24E-08	2.76E-08	1.62E-08	-1.14E-08	5.43E-08	3.19E-08	-2.24E-08
3824	495863.1	3852377.3	1.39E-07	7.91E-08	-5.97E-08	5.26E-08	3.08E-08	-2.18E-08	2.68E-08	1.57E-08	-1.11E-08	5.26E-08	3.08E-08	-2.18E-08
3825	496363.1	3852377.3	1.34E-07	7.61E-08	-5.77E-08	5.07E-08	2.97E-08	-2.11E-08	2.58E-08	1.51E-08	-1.07E-08	5.07E-08	2.97E-08	-2.11E-08
3826	496863.1	3852377.3	1.30E-07	7.40E-08	-5.61E-08	4.94E-08	2.89E-08	-2.05E-08	2.51E-08	1.47E-08	-1.04E-08	4.94E-08	2.89E-08	-2.05E-08
3827	497363.1	3852377.3	1.24E-07	7.02E-08	-5.37E-08	4.70E-08	2.74E-08	-1.96E-08	2.39E-08	1.39E-08	-9.97E-09	4.70E-08	2.74E-08	-1.96E-08
3828	497863.1	3852377.3	1.17E-07	6.59E-08	-5.08E-08	4.42E-08	2.57E-08	-1.86E-08	2.25E-08	1.31E-08	-9.44E-09	4.42E-08	2.57E-08	-1.86E-08
3829	498363.1	3852377.3	1.11E-07	6.23E-08	-4.85E-08	4.20E-08	2.43E-08	-1.77E-08	2.14E-08	1.24E-08	-9.01E-09	4.20E-08	2.43E-08	-1.77E-08
3830	471363.1	3852877.3	7.25E-08	3.99E-08	-3.26E-08	2.75E-08	1.56E-08	-1.19E-08	1.40E-08	7.91E-09	-6.07E-09	2.75E-08	1.56E-08	-1.19E-08
3831	471863.1	3852877.3	7.70E-08	4.24E-08	-3.47E-08	2.92E-08	1.65E-08	-1.27E-08	1.49E-08	8.40E-09	-6.46E-09	2.92E-08	1.65E-08	-1.27E-08
3832	472363.1	3852877.3	8.11E-08	4.46E-08	-3.65E-08	3.08E-08	1.74E-08	-1.34E-08	1.56E-08	8.84E-09	-6.80E-09	3.08E-08	1.74E-08	-1.34E-08
3833	472863.1	3852877.3	8.47E-08	4.65E-08	-3.81E-08	3.21E-08	1.82E-08	-1.40E-08	1.63E-08	9.23E-09	-7.10E-09	3.21E-08	1.82E-08	-1.40E-08
3834	473363.1	3852877.3	8.92E-08	4.91E-08	-4.00E-08	3.38E-08	1.92E-08	-1.47E-08	1.72E-08	9.74E-09	-7.46E-09	3.38E-08	1.92E-08	-1.47E-08
3835	473863.1	3852877.3	9.46E-08	5.21E-08	-4.25E-08	3.59E-08	2.03E-08	-1.56E-08	1.82E-08	1.03E-08	-7.91E-09	3.59E-08	2.03E-08	-1.56E-08
3836	474363.1	3852877.3	1.00E-07	5.53E-08	-4.51E-08	3.81E-08	2.16E-08	-1.65E-08	1.94E-08	1.10E-08	-8.41E-09	3.81E-08	2.16E-08	-1.65E-08
3837	474863.1	3852877.3	9.86E-08	5.43E-08	-4.43E-08	3.74E-08	2.12E-08	-1.62E-08	1.90E-08	1.08E-08	-8.26E-09	3.74E-08	2.12E-08	-1.62E-08
3838	475363.1	3852877.3	1.06E-07	5.84E-08	-4.75E-08	4.01E-08	2.28E-08	-1.74E-08	2.04E-08	1.16E-08	-8.84E-09	4.01E-08	2.28E-08	-1.74E-08
3839	475863.1	3852877.3	1.09E-07	6.06E-08	-4.89E-08	4.15E-08	2.36E-08	-1.79E-08	2.11E-08	1.20E-08	-9.10E-09	4.15E-08	2.36E-08	-1.79E-08
3840	476363.1	3852877.3	1.09E-07	6.07E-08	-4.87E-08	4.15E-08	2.37E-08	-1.78E-08	2.11E-08	1.20E-08	-9.07E-09	4.15E-08	2.37E-08	-1.78E-08
3841	476863.1	3852877.3	1.07E-07	5.95E-08	-4.73E-08	4.05E-08	2.32E-08	-1.73E-08	2.06E-08	1.18E-08	-8.79E-09	4.05E-08	2.32E-08	-1.73E-08
3842	477363.1	3852877.3	1.06E-07	5.90E-08	-4.73E-08	4.03E-08	2.30E-08	-1.73E-08	2.05E-08	1.17E-08	-8.81E-09	4.03E-08	2.30E-08	-1.73E-08
3843	477863.1	3852877.3	1.04E-07	5.76E-08	-4.64E-08	3.95E-08	2.25E-08	-1.70E-08	2.01E-08	1.14E-08	-8.64E-09	3.95E-08	2.25E-08	-1.70E-08
3844	478363.1	3852877.3	9.77E-08	5.39E-08	-4.38E-08	3.71E-08	2.10E-08	-1.60E-08	1.89E-08	1.07E-08	-8.16E-09	3.71E-08	2.10E-08	-1.60E-08
3845	478863.1	3852877.3	1.09E-07	6.07E-08	-4.87E-08	4.15E-08	2.37E-08	-1.78E-08	2.11E-08	1.20E-08	-9.07E-09	4.15E-08	2.37E-08	-1.78E-08
3846	479363.1	3852877.3	1.33E-07	7.39E-08	-5.90E-08	5.04E-08	2.88E-08	-2.16E-08	2.56E-08	1.47E-08	-1.10E-08	5.04E-08	2.88E-08	-2.16E-08
3847	479863.1	3852877.3	1.82E-07	1.02E-07	-8.04E-08	6.92E-08	3.98E-08	-2.94E-08	3.52E-08	2.02E-08	-1.50E-08	6.92E-08	3.98E-08	-2.94E-08
3848	480363.1	3852877.3	2.52E-07	1.40E-07	-1.12E-07	9.57E-08	5.48E-08	-4.09E-08	4.87E-08	2.79E-08	-2.08E-08	9.57E-08	5.48E-08	-4.09E-08
3849	480863.1	3852877.3	3.13E-07	1.74E-07	-1.40E-07	1.19E-07	6.77E-08	-5.12E-08	6.05E-08	3.44E-08	-2.60E-08	1.19E-07	6.77E-08	-5.12E-08
3850	481363.1	3852877.3	4.25E-07	2.35E-07	-1.90E-07	1.61E-07	9.16E-08	-6.96E-08	8.20E-08	4.66E-08	-3.54E-08	1.61E-07	9.16E-08	-6.96E-08
3851	481863.1	3852877.3	7.13E-07	3.93E-07	-3.20E-07	2.71E-07	1.53E-07	-1.17E-07	1.38E-07	7.80E-08	-5.96E-08	2.71E-07	1.53E-07	-1.17E-07
3852	482363.1	3852877.3	4.89E-06	2.70E-06	-2.19E-06	1.86E-06	1.05E-06	-8.03E-07	9.43E-07	5.35E-07	-4.08E-07	1.86E-06	1.05E-06	-8.03E-07

3853	482863.1	3852877.3	2.10E-06	1.16E-06	-9.40E-07	7.96E-07	4.52E-07	-3.44E-07	4.05E-07	2.30E-07	-1.75E-07	7.96E-07	4.52E-07	-3.44E-07
3854	483363.1	3852877.3	8.78E-07	4.89E-07	-3.89E-07	3.33E-07	1.91E-07	-1.42E-07	1.69E-07	9.70E-08	-7.24E-08	3.33E-07	1.91E-07	-1.42E-07
3855	483863.1	3852877.3	5.07E-07	2.85E-07	-2.23E-07	1.92E-07	1.11E-07	-8.14E-08	9.78E-08	5.64E-08	-4.14E-08	1.92E-07	1.11E-07	-8.14E-08
3856	484363.1	3852877.3	4.54E-07	2.56E-07	-1.98E-07	1.72E-07	9.99E-08	-7.23E-08	8.76E-08	5.08E-08	-3.68E-08	1.72E-07	9.99E-08	-7.23E-08
3857	484863.1	3852877.3	4.08E-07	2.31E-07	-1.76E-07	1.55E-07	9.01E-08	-6.45E-08	7.86E-08	4.58E-08	-3.28E-08	1.55E-07	9.01E-08	-6.45E-08
3858	485363.1	3852877.3	3.22E-07	1.83E-07	-1.39E-07	1.22E-07	7.12E-08	-5.08E-08	6.20E-08	3.62E-08	-2.58E-08	1.22E-07	7.12E-08	-5.08E-08
3859	485863.1	3852877.3	2.81E-07	1.60E-07	-1.21E-07	1.07E-07	6.26E-08	-4.42E-08	5.43E-08	3.18E-08	-2.25E-08	1.07E-07	6.26E-08	-4.42E-08
3860	486363.1	3852877.3	2.50E-07	1.43E-07	-1.07E-07	9.48E-08	5.56E-08	-3.92E-08	4.82E-08	2.83E-08	-1.99E-08	9.48E-08	5.56E-08	-3.92E-08
3861	486863.1	3852877.3	2.31E-07	1.32E-07	-9.92E-08	8.78E-08	5.16E-08	-3.62E-08	4.47E-08	2.62E-08	-1.84E-08	8.78E-08	5.16E-08	-3.62E-08
3862	487363.1	3852877.3	2.11E-07	1.21E-07	-9.04E-08	8.01E-08	4.71E-08	-3.30E-08	4.07E-08	2.40E-08	-1.68E-08	8.01E-08	4.71E-08	-3.30E-08
3863	487863.1	3852877.3	1.96E-07	1.12E-07	-8.39E-08	7.45E-08	4.38E-08	-3.06E-08	3.79E-08	2.23E-08	-1.56E-08	7.45E-08	4.38E-08	-3.06E-08
3864	488363.1	3852877.3	1.64E-07	9.40E-08	-7.04E-08	6.24E-08	3.66E-08	-2.57E-08	3.17E-08	1.86E-08	-1.31E-08	6.24E-08	3.66E-08	-2.57E-08
3865	488863.1	3852877.3	1.63E-07	9.36E-08	-6.99E-08	6.20E-08	3.65E-08	-2.55E-08	3.15E-08	1.86E-08	-1.30E-08	6.20E-08	3.65E-08	-2.55E-08
3866	489363.1	3852877.3	1.59E-07	9.11E-08	-6.79E-08	6.03E-08	3.55E-08	-2.48E-08	3.07E-08	1.81E-08	-1.26E-08	6.03E-08	3.55E-08	-2.48E-08
3867	489863.1	3852877.3	1.54E-07	8.87E-08	-6.58E-08	5.86E-08	3.46E-08	-2.40E-08	2.98E-08	1.76E-08	-1.22E-08	5.86E-08	3.46E-08	-2.40E-08
3868	490363.1	3852877.3	1.66E-07	9.57E-08	-7.05E-08	6.30E-08	3.73E-08	-2.57E-08	3.21E-08	1.90E-08	-1.31E-08	6.30E-08	3.73E-08	-2.57E-08
3869	490863.1	3852877.3	1.67E-07	9.62E-08	-7.05E-08	6.32E-08	3.75E-08	-2.57E-08	3.21E-08	1.91E-08	-1.31E-08	6.32E-08	3.75E-08	-2.57E-08
3870	491363.1	3852877.3	1.67E-07	9.63E-08	-7.03E-08	6.32E-08	3.76E-08	-2.57E-08	3.21E-08	1.91E-08	-1.30E-08	6.32E-08	3.76E-08	-2.57E-08
3871	491863.1	3852877.3	1.64E-07	9.46E-08	-6.94E-08	6.22E-08	3.69E-08	-2.53E-08	3.16E-08	1.88E-08	-1.29E-08	6.22E-08	3.69E-08	-2.53E-08
3872	492363.1	3852877.3	1.62E-07	9.35E-08	-6.82E-08	6.13E-08	3.65E-08	-2.49E-08	3.12E-08	1.85E-08	-1.27E-08	6.13E-08	3.65E-08	-2.49E-08
3873	492863.1	3852877.3	1.62E-07	9.40E-08	-6.82E-08	6.15E-08	3.66E-08	-2.49E-08	3.13E-08	1.86E-08	-1.26E-08	6.15E-08	3.66E-08	-2.49E-08
3874	493363.1	3852877.3	1.61E-07	9.33E-08	-6.79E-08	6.12E-08	3.64E-08	-2.48E-08	3.11E-08	1.85E-08	-1.26E-08	6.12E-08	3.64E-08	-2.48E-08
3875	493863.1	3852877.3	1.57E-07	9.06E-08	-6.61E-08	5.95E-08	3.53E-08	-2.41E-08	3.02E-08	1.80E-08	-1.23E-08	5.95E-08	3.53E-08	-2.41E-08
3876	494363.1	3852877.3	1.53E-07	8.84E-08	-6.47E-08	5.81E-08	3.45E-08	-2.36E-08	2.95E-08	1.75E-08	-1.20E-08	5.81E-08	3.45E-08	-2.36E-08
3877	494863.1	3852877.3	1.51E-07	8.69E-08	-6.39E-08	5.72E-08	3.39E-08	-2.33E-08	2.91E-08	1.72E-08	-1.19E-08	5.72E-08	3.39E-08	-2.33E-08
3878	495363.1	3852877.3	1.45E-07	8.34E-08	-6.16E-08	5.50E-08	3.25E-08	-2.25E-08	2.80E-08	1.65E-08	-1.14E-08	5.50E-08	3.25E-08	-2.25E-08
3879	495863.1	3852877.3	1.40E-07	8.00E-08	-5.96E-08	5.30E-08	3.12E-08	-2.17E-08	2.69E-08	1.59E-08	-1.11E-08	5.30E-08	3.12E-08	-2.17E-08
3880	496363.1	3852877.3	1.37E-07	7.83E-08	-5.86E-08	5.19E-08	3.05E-08	-2.14E-08	2.64E-08	1.55E-08	-1.09E-08	5.19E-08	3.05E-08	-2.14E-08
3881	496863.1	3852877.3	1.32E-07	7.57E-08	-5.67E-08	5.02E-08	2.95E-08	-2.07E-08	2.55E-08	1.50E-08	-1.05E-08	5.02E-08	2.95E-08	-2.07E-08
3882	497363.1	3852877.3	1.23E-07	7.02E-08	-5.32E-08	4.68E-08	2.74E-08	-1.94E-08	2.38E-08	1.39E-08	-9.88E-09	4.68E-08	2.74E-08	-1.94E-08
3883	497863.1	3852877.3	1.09E-07	6.16E-08	-4.79E-08	4.15E-08	2.40E-08	-1.75E-08	2.11E-08	1.22E-08	-8.90E-09	4.15E-08	2.40E-08	-1.75E-08
3884	498363.1	3852877.3	1.06E-07	5.96E-08	-4.67E-08	4.03E-08	2.32E-08	-1.71E-08	2.05E-08	1.18E-08	-8.68E-09	4.03E-08	2.32E-08	-1.71E-08
3885	471363.1	3853377.3	7.03E-08	3.87E-08	-3.16E-08	2.67E-08	1.51E-08	-1.16E-08	1.36E-08	7.67E-09	-5.88E-09	2.67E-08	1.51E-08	-1.16E-08
3886	471863.1	3853377.3	7.34E-08	4.05E-08	-3.29E-08	2.78E-08	1.58E-08	-1.20E-08	1.42E-08	8.04E-09	-6.13E-09	2.78E-08	1.58E-08	-1.20E-08
3887	472363.1	3853377.3	7.66E-08	4.22E-08	-3.43E-08	2.90E-08	1.65E-08	-1.26E-08	1.48E-08	8.38E-09	-6.39E-09	2.90E-08	1.65E-08	-1.26E-08
3888	472863.1	3853377.3	8.02E-08	4.41E-08	-3.61E-08	3.04E-08	1.72E-08	-1.32E-08	1.55E-08	8.74E-09	-6.72E-09	3.04E-08	1.72E-08	-1.32E-08
3889	473363.1	3853377.3	8.29E-08	4.57E-08	-3.72E-08	3.14E-08	1.78E-08	-1.36E-08	1.60E-08	9.06E-09	-6.93E-09	3.14E-08	1.78E-08	-1.36E-08
3890	473863.1	3853377.3	8.60E-08	4.74E-08	-3.86E-08	3.26E-08	1.85E-08	-1.41E-08	1.66E-08	9.40E-09	-7.19E-09	3.26E-08	1.85E-08	-1.41E-08
3891	474363.1	3853377.3	8.92E-08	4.90E-08	-4.02E-08	3.38E-08	1.91E-08	-1.47E-08	1.72E-08	9.72E-09	-7.48E-09	3.38E-08	1.91E-08	-1.47E-08
3892	474863.1	3853377.3	8.92E-08	4.91E-08	-4.00E-08	3.38E-08	1.92E-08	-1.47E-08	1.72E-08	9.74E-09	-7.46E-09	3.38E-08	1.92E-08	-1.47E-08
3893	475363.1	3853377.3	9.14E-08	5.04E-08	-4.11E-08	3.47E-08	1.96E-08	-1.50E-08	1.76E-08	9.99E-09	-7.65E-09	3.47E-08	1.96E-08	-1.50E-08
3894	475863.1	3853377.3	9.41E-08	5.17E-08	-4.24E-08	3.57E-08	2.02E-08	-1.55E-08	1.82E-08	1.03E-08	-7.90E-09	3.57E-08	2.02E-08	-1.55E-08
3895	476363.1	3853377.3	9.32E-08	5.12E-08	-4.20E-08	3.54E-08	2.00E-08	-1.54E-08	1.80E-08	1.02E-08	-7.82E-09	3.54E-08	2.00E-08	-1.54E-08
3896	476863.1	3853377.3	9.01E-08	4.94E-08	-4.07E-08	3.42E-08	1.93E-08	-1.49E-08	1.74E-08	9.79E-09	-7.58E-09	3.42E-08	1.93E-08	-1.49E-08
3897	477363.1	3853377.3	9.19E-08	5.06E-08	-4.13E-08	3.49E-08	1.97E-08	-1.51E-08	1.77E-08	1.00E-08	-7.69E-09	3.49E-08	1.97E-08	-1.51E-08
3898	477863.1	3853377.3	9.46E-08	5.21E-08	-4.25E-08	3.59E-08	2.03E-08	-1.56E-08	1.82E-08	1.03E-08	-7.91E-09	3.59E-08	2.03E-08	-1.56E-08
3899	478363.1	3853377.3	9.14E-08	5.04E-08	-4.11E-08	3.47E-08	1.96E-08	-1.50E-08	1.76E-08	9.99E-09	-7.65E-09	3.47E-08	1.96E-08	-1.50E-08
3900	478863.1	3853377.3	8.83E-08	4.84E-08	-3.99E-08	3.35E-08	1.89E-08	-1.46E-08	1.70E-08	9.60E-09	-7.43E-09	3.35E-08	1.89E-08	-1.46E-08
3901	479363.1	3853377.3	1.09E-07	6.02E-08	-4.88E-08	4.13E-08	2.35E-08	-1.79E-08	2.10E-08	1.19E-08	-9.08E-09	4.13E-08	2.35E-08	-1.79E-08
3902	479863.1	3853377.3	1.36E-07	7.56E-08	-6.04E-08	5.16E-08	2.95E-08	-2.21E-08	2.62E-08	1.50E-08	-1.12E-08	5.16E-08	2.95E-08	-2.21E-08
3903	480363.1	3853377.3	1.87E-07	1.04E-07	-8.29E-08	7.11E-08	4.07E-08	-3.03E-08	3.61E-08	2.07E-08	-1.54E-08	7.11E-08	4.07E-08	-3.03E-08
3904	480863.1	3853377.3	1.99E-07	1.12E-07	-8.68E-08	7.53E-08	4.36E-08	-3.17E-08	3.83E-08	2.22E-08	-1.61E-08	7.53E-08	4.36E-08	-3.17E-08
3905	481363.1	3853377.3	2.89E-07	1.61E-07	-1.28E-07	1.10E-07	6.27E-08	-4.70E-08	5.58E-08	3.19E-08	-2.39E-08	1.10E-07	6.27E-08	-4.70E-08
3906	481863.1	3853377.3	4.54E-07	2.50E-07	-2.04E-07	1.72E-07	9.75E-08	-7.49E-08	8.77E-08	4.96E-08	-3.81E-08	1.72E-07	9.75E-08	-7.49E-08
3907	482363.1	3853377.3	8.93E-07	4.88E-07	-4.05E-07	3.39E-07	1.90E-07	-1.49E-07	1.72E-07	9.68E-08	-7.56E-08	3.39E-07	1.90E-07	-1.49E-07
3908	482863.1	3853377.3	5.83E-06	3.34E-06	-2.49E-06	2.21E-06	1.30E-06	-9.08E-07	1.12E-06	6.63E-07	-4.62E-07	2.21E-06	1.30E-06	-9.08E-07
3909	483363.1	3853377.3	1.14E-06	6.49E-07	-4.90E-07	4.32E-07	2.53E-07	-1.79E-07	2.20E-07	1.29E-07	-9.09E-08	4.32E-07	2.53E-07	-1.79E-07
3910	483863.1	3853377.3	6.68E-07	3.87E-07	-2.82E-07	2.54E-07	1.51E-07	-1.03E-07	1.29E-07	7.67E-08	-5.23E-08	2.54E-07	1.51E-07	-1.03E-07
3911	484363.1	3853377.3	5.12E-07	3.00E-07	-2.12E-07	1.94E-07	1.17E-07	-7.72E-08	9.87E-08	5.94E-08	-3.93E-08	1.94E-07	1.17E-07	-7.72E-08
3912	484863.1	3853377.3	3.74E-07	2.22E-07	-1.52E-07	1.42E-07	8.66E-08	-5.53E-08	7.22E-08	4.41E-08	-2.81E-08	1.42E-07	8.66E-08	-5.53E-08
3913	485363.1	3853377.3	2.88E-07	1.70E-07	-1.17E-07	1.09E-07	6.65E-08	-4.27E-08	5.55E-08	3.38E-08	-2.17E-08	1.09E-07	6.65E-08	-4.27E-08
3914	485863.1	3853377.3	2.42E-07	1.43E-07	-9.92E-08	9.17E-08	5.56E-08	-3.61E-08	4.67E-08	2.83E-08	-1.84E-08	9.17E-08	5.56E-08	-3.61E-08
3915	486363.1	3853377.3	2.31E-07	1.36E-07	-9.43E-08	8.75E-08	5.32E-08	-3.43E-08	4.45E-08	2.70E-08	-1.74E-08	8.75E-08	5.32E-08	-3.43E-08
3916	486863.1	3853377.3	2.18E-07	1.29E-07	-8.89E-08	8.27E-08	5.03E-08	-3.24E-08	4.21E-08	2.56E-08	-1.65E-08	8.27E-08	5.03E-08	-3.24E-08
3917	487363.1	3853377.3	2.12E-07	1.26E-07	-8.61E-08	8.05E-08	4.91E-08	-3.13E-08	4.09E-08	2.50E-08	-1.59E-08	8.05E-08	4.91E-08	-3.13E-08
3918	487863.1	3853377.3	2.05E-07	1.22E-07	-8.33E-08	7.79E-08	4.76E-08	-3.03E-08	3.96E-08	2.42E-08	-1.54E-08	7.79E-08	4.76E-08	-3.03E-08
3919	488363.1	3853377.3	2.01E-07	1.20E-07	-8.16E-08	7.64E-08	4.67E-08	-2.97E-08	3.88E-08	2.37E-08	-1.51E-08	7.64E-08	4.67E-08	-2.97E-08
3920	488863.1	3853377.3	1.94E-07	1.15E-07	-7.86E-08	7.35E-08	4.49E-08	-2.86E-08	3.74E-08	2.28E-08	-1.45E-08	7.35E-08	4.49E-08	-2.86E-08
3921	489363.1	3853377.3	1.87E-07	1.11E-07	-7.59E-08	7.09E-08	4.33E-08	-2.76E-08	3.61E-08	2.20E-08	-1.41E-08	7.09E-08	4.33E-08	-2.76E-08
3922	489863.1	3853377.3	1.80E-07	1.06E-07	-7.34E-08	6.82E-08	4.14E-08	-2.67E-08	3.47E-08	2.11E-08	-1.36E-08	6.82E-08	4.14E-08	-2.67E-08
3923	490363.1	3853377.3	1.79E-07	1.06E-07	-7.32E-08	6.80E-08	4.14E-08	-2.66E-08	3.46E-08	2.10E-08	-1.36E-08	6.80E-08	4.14E-08	-2.66E-08
3924	490863.1	3853377.3	1.77E-07	1.05E-07	-7.23E-08	6.71E-08	4.08E-08	-2.63E-08	3.41E-08	2.08E-08	-1.34E-08	6.71E-08	4.08E-08	-2.63E-08
3925	491363.1	3853377.3	1.75E-07	1.03E-07	-7.15E-08	6.63E-08	4.02E-08	-2.60E-08	3.37E-08	2.05E-08	-1.32E-08	6.63E-08	4.02E-08	-2.60E-08
3926	491863.1	3853377.3	1.72E-07	1.01E-07	-7.07E-08	6.53E-08	3.95E-08	-2.57E-08	3.32E-08	2.01E-08	-1.31E-08	6.53E-08	3.95E-08	-2.57E-08
3927	492363.1	3853377.3	1.72E-07	1.01E-07	-7.06E-08	6.51E-08	3.94E-08	-2.57E-08	3.31E-08	2.00E-08	-1.31E-08	6.51E-08	3.94E-08	-2.57E-08
3928	492863.1	3853377.3	1.71E-07	1.00E-07	-7.07E-08	6.49E-08	3.92E-08	-2.57E-08	3.30E-08	1.99E-08	-1.31E-08	6.49E-08	3.92E-08	-2.57E-08
3929	493363.1	3853377.3	1.68E-07	9.86E-08	-6.98E-08	6.39E-08	3.85E-08	-2.54E-08	3.25E-08	1.96E-08	-1.29E-08	6.39E-08	3.85E-08	-2.54E-08
3930	493863.1	3853377.3	1.65E-07	9.64E-08	-6.89E-08	6.27E-08	3.76E-08	-2.51E-08	3.19E-08	1.91E-08	-1.28E-08	6.27E-08	3.76E-08	-2.51E-08
3931	494363.1	3853377.3	1.60E-07	9.30E-08	-6.69E-08	6.07E-08	3.63E-08	-2.44E-08	3.08E-08	1.84E-08	-1.24E-08	6.07E-08	3.63E-08	-2.44E-08
3932	494863.1	3853377.3	1.54E-07	8.91E-08	-6.49E-08	5.84E-08	3.48E-08	-2.37E-08	2.97E-08	1.77E-08	-1.20E-08	5.84E-08	3.48E-08	-2.37E-08
3933	495363.1	3853377.3	1.50E-07	8.68E-08	-6.36E-08	5.71E-08	3.39E-08	-2.32E-08	2.90E-08	1.72E-08	-1.18E-08	5.71E-08	3.39E-08	-2.32E-08
3934	495863.1	3853377.3	1.45E-07	8.36E-08	-6.19E-08	5.52E-08	3.26E-08	-2.26E-08	2.81E-08	1.66E-08	-1.15E-08	5.52E-08	3.26E-08	-2.26E-08
3935	496363.1	3853377.3	1.39E-07	7.97E-08	-5.95E-08	5.28E-08	3.11E-08	-2.17E-08	2.68E-08	1.58E-08	-1.10E-08	5.28E-08	3.11E-08	-2.17E-08
3936	496863.1	3853377.3	1.30E-07	7.44E-08	-5.58E-08	4.94E-08	2.90E-08	-2.04E-08	2.51E-08	1.48E-08	-1.04E-08	4.94E-08	2.90E-08	-2.04E-08
3937	497363.1	3853377.3	1.20E-07	6.80E-08	-5.18E-08	4.54E-08	2.65E-08	-1.89E-08	2.31E-08	1.35E-08	-9.63E-09	4.54E-08	2.65E-08	-1.89E-08
3938	497863.1	3853377.3	1.02E-07	5.71E-08	-4.46E-08	3.86E-08	2.23E-08	-1.63E-08	1.96E-08	1.13E-08	-8.30E-09	3.86E-08	2.23E-08	-1.63E-08
3939	498363.1	3853377.3	9.28E-08	5.18E-08	-4.09E-08	3.52E-08	2.02E-08	-1.50E-08	1.79E-08	1.03E-08	-7.62E-09	3.52E-08	2.02E-08	-1.50E-08
3940	471363.1	3853877.3	6.80E-08	3.72E-08	-3.08E-08	2.58E-08	1.45E-08	-1.13E-08	1.31E-08	7.38E-09	-5.74E-09	2.58E-08	1.45E-08	-1.13E-08
3941	471863.1	3853877.3	7.12E-08	3.90E-08	-3.21E-08	2.70E-08	1.52E-08	-1.18E-08	1.37E-08	7.74E-09	-5.99E-09	2.70E-08	1.52E-08	-1.18E-08
3942	472363.1	3853877.3	7.34E-08	4.03E-08	-3.31E-08	2.78E-08	1.57E-08	-1.21E-08	1.42E-08	7.99E-09	-6.18E-09	2.78E-08	1.57E-08	-1.21E-08
3943	472863.1	3853877.3	7.61E-08	4.19E-08	-3.42E-08	2.89E-08	1.63E-08	-1.25E-08	1.47E-08	8.30E-09	-6.38E-09	2.89E-08	1.63E-08	-1.25E-08
3944	473363.1	3853877.3	7.79E-08	4.29E-08	-3.51E-08	2.96E-08	1.67E-08	-1.28E-08	1.50E-08	8.50E-09	-6.53E-09	2.96E-08	1.67E-08	-1.28E-08
3945	473863.1	3853877.3	7.97E-08	4.40E-08	-3.58E-08	3.02E-08	1.71E-08	-1.31E-08	1.54E-08	8.72E-09	-6.66E-09	3.02E-08	1.71E-08	-1.31E-08
3946	474363.1	3853877.3	8.24E-08	4.54E-08	-3.70E-08	3.13E-08	1.77E-08	-1.35E-08	1.59E-08	9.01E-09	-6.89E-09	3.13E-08	1.77E-08	-1.35E-08

3947	474863.1	3853877.3	8.47E-08	4.65E-08	-3.81E-08	3.21E-08	1.82E-08	-1.40E-08	1.63E-08	9.23E-09	-7.10E-09	3.21E-08	1.82E-08	-1.40E-08
3948	475363.1	3853877.3	8.42E-08	4.63E-08	-3.79E-08	3.19E-08	1.81E-08	-1.39E-08	1.62E-08	9.18E-09	-7.06E-09	3.19E-08	1.81E-08	-1.39E-08
3949	475863.1	3853877.3	8.11E-08	4.46E-08	-3.65E-08	3.08E-08	1.74E-08	-1.34E-08	1.56E-08	8.84E-09	-6.80E-09	3.08E-08	1.74E-08	-1.34E-08
3950	476363.1	3853877.3	7.93E-08	4.32E-08	-3.60E-08	3.01E-08	1.69E-08	-1.32E-08	1.53E-08	8.57E-09	-6.72E-09	3.01E-08	1.69E-08	-1.32E-08
3951	476863.1	3853877.3	7.61E-08	4.12E-08	-3.49E-08	2.89E-08	1.61E-08	-1.28E-08	1.47E-08	8.18E-09	-6.50E-09	2.89E-08	1.61E-08	-1.28E-08
3952	477363.1	3853877.3	8.06E-08	4.38E-08	-3.68E-08	3.06E-08	1.71E-08	-1.35E-08	1.56E-08	8.69E-09	-6.86E-09	3.06E-08	1.71E-08	-1.35E-08
3953	477863.1	3853877.3	8.65E-08	4.69E-08	-3.96E-08	3.28E-08	1.83E-08	-1.45E-08	1.67E-08	9.31E-09	-7.38E-09	3.28E-08	1.83E-08	-1.45E-08
3954	478363.1	3853877.3	8.92E-08	4.85E-08	-4.07E-08	3.38E-08	1.89E-08	-1.49E-08	1.72E-08	9.62E-09	-7.58E-09	3.38E-08	1.89E-08	-1.49E-08
3955	478863.1	3853877.3	8.24E-08	4.47E-08	-3.77E-08	3.13E-08	1.74E-08	-1.38E-08	1.59E-08	8.87E-09	-7.03E-09	3.13E-08	1.74E-08	-1.38E-08
3956	479363.1	3853877.3	9.37E-08	5.09E-08	-4.28E-08	3.55E-08	1.98E-08	-1.57E-08	1.81E-08	1.01E-08	-7.98E-09	3.55E-08	1.98E-08	-1.57E-08
3957	479863.1	3853877.3	1.20E-07	6.61E-08	-5.41E-08	4.56E-08	2.58E-08	-1.98E-08	2.32E-08	1.31E-08	-1.01E-08	4.56E-08	2.58E-08	-1.98E-08
3958	480363.1	3853877.3	1.48E-07	8.23E-08	-6.59E-08	5.62E-08	3.21E-08	-2.41E-08	2.86E-08	1.63E-08	-1.23E-08	5.62E-08	3.21E-08	-2.41E-08
3959	480863.1	3853877.3	2.01E-07	1.11E-07	-8.97E-08	7.62E-08	4.34E-08	-3.28E-08	3.87E-08	2.21E-08	-1.67E-08	7.62E-08	4.34E-08	-3.28E-08
3960	481363.1	3853877.3	2.60E-07	1.43E-07	-1.17E-07	9.86E-08	5.58E-08	-4.28E-08	5.01E-08	2.84E-08	-2.18E-08	9.86E-08	5.58E-08	-4.28E-08
3961	481863.1	3853877.3	3.87E-07	2.05E-07	-1.82E-07	1.47E-07	8.00E-08	-6.68E-08	7.46E-08	4.07E-08	-3.40E-08	1.47E-07	8.00E-08	-6.68E-08
3962	482363.1	3853877.3	6.88E-07	3.48E-07	-3.39E-07	2.61E-07	1.36E-07	-1.25E-07	1.33E-07	6.91E-08	-6.36E-08	2.61E-07	1.36E-07	-1.25E-07
3963	482863.1	3853877.3	1.23E-05	4.24E-06	-8.03E-06	4.65E-06	1.65E-06	-3.00E-06	2.37E-06	8.40E-07	-1.53E-06	4.65E-06	1.65E-06	-3.00E-06
3964	483363.1	3853877.3	1.32E-06	9.27E-07	-3.92E-07	5.01E-07	3.62E-07	-1.39E-07	2.55E-07	1.84E-07	-7.07E-08	5.01E-07	3.62E-07	-1.39E-07
3965	483863.1	3853877.3	7.61E-07	5.18E-07	-2.43E-07	2.89E-07	2.02E-07	-8.66E-08	1.47E-07	1.03E-07	-4.41E-08	2.89E-07	2.02E-07	-8.66E-08
3966	484363.1	3853877.3	5.03E-07	3.45E-07	-1.58E-07	1.91E-07	1.35E-07	-5.63E-08	9.70E-08	6.84E-08	-2.86E-08	1.91E-07	1.35E-07	-5.63E-08
3967	484863.1	3853877.3	3.66E-07	2.46E-07	-1.20E-07	1.39E-07	9.60E-08	-4.28E-08	7.05E-08	4.88E-08	-2.18E-08	1.39E-07	9.60E-08	-4.28E-08
3968	485363.1	3853877.3	2.71E-07	1.77E-07	-9.38E-08	1.03E-07	6.90E-08	-3.37E-08	5.22E-08	3.51E-08	-1.71E-08	1.03E-07	6.90E-08	-3.37E-08
3969	485863.1	3853877.3	2.52E-07	1.65E-07	-8.71E-08	9.57E-08	6.44E-08	-3.13E-08	4.87E-08	3.28E-08	-1.59E-08	9.57E-08	6.44E-08	-3.13E-08
3970	486363.1	3853877.3	2.35E-07	1.52E-07	-8.33E-08	8.92E-08	5.92E-08	-3.00E-08	4.54E-08	3.01E-08	-1.52E-08	8.92E-08	5.92E-08	-3.00E-08
3971	486863.1	3853877.3	2.22E-07	1.41E-07	-8.08E-08	8.42E-08	5.51E-08	-2.91E-08	4.28E-08	2.80E-08	-1.48E-08	8.42E-08	5.51E-08	-2.91E-08
3972	487363.1	3853877.3	2.18E-07	1.38E-07	-8.06E-08	8.29E-08	5.37E-08	-2.91E-08	4.21E-08	2.73E-08	-1.48E-08	8.29E-08	5.37E-08	-2.91E-08
3973	487863.1	3853877.3	2.20E-07	1.39E-07	-8.13E-08	8.35E-08	5.42E-08	-2.94E-08	4.25E-08	2.75E-08	-1.49E-08	8.35E-08	5.42E-08	-2.94E-08
3974	488363.1	3853877.3	2.16E-07	1.35E-07	-8.06E-08	8.18E-08	5.27E-08	-2.92E-08	4.16E-08	2.68E-08	-1.48E-08	8.18E-08	5.27E-08	-2.92E-08
3975	488863.1	3853877.3	2.14E-07	1.34E-07	-8.06E-08	8.13E-08	5.22E-08	-2.92E-08	4.14E-08	2.65E-08	-1.48E-08	8.13E-08	5.22E-08	-2.92E-08
3976	489363.1	3853877.3	2.03E-07	1.25E-07	-7.78E-08	7.71E-08	4.89E-08	-2.82E-08	3.92E-08	2.49E-08	-1.43E-08	7.71E-08	4.89E-08	-2.82E-08
3977	489863.1	3853877.3	2.00E-07	1.22E-07	-7.74E-08	7.57E-08	4.76E-08	-2.80E-08	3.85E-08	2.42E-08	-1.43E-08	7.57E-08	4.76E-08	-2.80E-08
3978	490363.1	3853877.3	1.93E-07	1.17E-07	-7.56E-08	7.31E-08	4.57E-08	-2.74E-08	3.72E-08	2.32E-08	-1.40E-08	7.31E-08	4.57E-08	-2.74E-08
3979	490863.1	3853877.3	1.89E-07	1.14E-07	-7.47E-08	7.16E-08	4.45E-08	-2.71E-08	3.64E-08	2.26E-08	-1.38E-08	7.16E-08	4.45E-08	-2.71E-08
3980	491363.1	3853877.3	1.86E-07	1.12E-07	-7.43E-08	7.06E-08	4.36E-08	-2.70E-08	3.59E-08	2.22E-08	-1.37E-08	7.06E-08	4.36E-08	-2.70E-08
3981	491863.1	3853877.3	1.83E-07	1.09E-07	-7.38E-08	6.95E-08	4.27E-08	-2.68E-08	3.54E-08	2.17E-08	-1.36E-08	6.95E-08	4.27E-08	-2.68E-08
3982	492363.1	3853877.3	1.83E-07	1.09E-07	-7.43E-08	6.95E-08	4.25E-08	-2.70E-08	3.54E-08	2.16E-08	-1.37E-08	6.95E-08	4.25E-08	-2.70E-08
3983	492863.1	3853877.3	1.81E-07	1.07E-07	-7.42E-08	6.89E-08	4.18E-08	-2.70E-08	3.50E-08	2.13E-08	-1.37E-08	6.89E-08	4.18E-08	-2.70E-08
3984	493363.1	3853877.3	1.77E-07	1.04E-07	-7.26E-08	6.70E-08	4.05E-08	-2.64E-08	3.41E-08	2.06E-08	-1.34E-08	6.70E-08	4.05E-08	-2.64E-08
3985	493863.1	3853877.3	1.71E-07	1.00E-07	-7.09E-08	6.49E-08	3.91E-08	-2.58E-08	3.30E-08	1.99E-08	-1.31E-08	6.49E-08	3.91E-08	-2.58E-08
3986	494363.1	3853877.3	1.67E-07	9.74E-08	-6.97E-08	6.34E-08	3.80E-08	-2.54E-08	3.22E-08	1.93E-08	-1.29E-08	6.34E-08	3.80E-08	-2.54E-08
3987	494863.1	3853877.3	1.61E-07	9.36E-08	-6.76E-08	6.12E-08	3.65E-08	-2.47E-08	3.11E-08	1.86E-08	-1.25E-08	6.12E-08	3.65E-08	-2.47E-08
3988	495363.1	3853877.3	1.51E-07	8.71E-08	-6.38E-08	5.72E-08	3.40E-08	-2.33E-08	2.91E-08	1.73E-08	-1.18E-08	5.72E-08	3.40E-08	-2.33E-08
3989	495863.1	3853877.3	1.42E-07	8.16E-08	-6.07E-08	5.40E-08	3.18E-08	-2.21E-08	2.75E-08	1.62E-08	-1.13E-08	5.40E-08	3.18E-08	-2.21E-08
3990	496363.1	3853877.3	1.36E-07	7.79E-08	-5.85E-08	5.18E-08	3.04E-08	-2.14E-08	2.63E-08	1.55E-08	-1.09E-08	5.18E-08	3.04E-08	-2.14E-08
3991	496863.1	3853877.3	1.27E-07	7.19E-08	-5.46E-08	4.80E-08	2.80E-08	-2.00E-08	2.44E-08	1.43E-08	-1.02E-08	4.80E-08	2.80E-08	-2.00E-08
3992	497363.1	3853877.3	1.18E-07	6.69E-08	-5.16E-08	4.49E-08	2.61E-08	-1.89E-08	2.29E-08	1.33E-08	-9.59E-09	4.49E-08	2.61E-08	-1.89E-08
3993	497863.1	3853877.3	1.08E-07	6.03E-08	-4.73E-08	4.08E-08	2.35E-08	-1.73E-08	2.08E-08	1.20E-08	-8.80E-09	4.08E-08	2.35E-08	-1.73E-08
3994	498363.1	3853877.3	1.00E-07	5.63E-08	-4.42E-08	3.81E-08	2.19E-08	-1.62E-08	1.94E-08	1.12E-08	-8.21E-09	3.81E-08	2.19E-08	-1.62E-08
3995	471363.1	3854377.3	6.57E-08	3.60E-08	-2.98E-08	2.49E-08	1.40E-08	-1.09E-08	1.27E-08	7.13E-09	-5.55E-09	2.49E-08	1.40E-08	-1.09E-08
3996	471863.1	3854377.3	6.89E-08	3.77E-08	-3.12E-08	2.61E-08	1.47E-08	-1.14E-08	1.33E-08	7.47E-09	-5.82E-09	2.61E-08	1.47E-08	-1.14E-08
3997	472363.1	3854377.3	7.12E-08	3.89E-08	-3.22E-08	2.70E-08	1.52E-08	-1.18E-08	1.37E-08	7.72E-09	-6.01E-09	2.70E-08	1.52E-08	-1.18E-08
3998	472863.1	3854377.3	7.25E-08	3.98E-08	-3.27E-08	2.75E-08	1.55E-08	-1.20E-08	1.40E-08	7.89E-09	-6.10E-09	2.75E-08	1.55E-08	-1.20E-08
3999	473363.1	3854377.3	7.52E-08	4.11E-08	-3.41E-08	2.85E-08	1.60E-08	-1.25E-08	1.45E-08	8.16E-09	-6.35E-09	2.85E-08	1.60E-08	-1.25E-08
4000	473863.1	3854377.3	7.79E-08	4.27E-08	-3.52E-08	2.96E-08	1.67E-08	-1.29E-08	1.50E-08	8.47E-09	-6.56E-09	2.96E-08	1.67E-08	-1.29E-08
4001	474363.1	3854377.3	8.02E-08	4.40E-08	-3.62E-08	3.04E-08	1.71E-08	-1.33E-08	1.55E-08	8.72E-09	-6.75E-09	3.04E-08	1.71E-08	-1.33E-08
4002	474863.1	3854377.3	7.88E-08	4.32E-08	-3.56E-08	2.99E-08	1.69E-08	-1.30E-08	1.52E-08	8.57E-09	-6.63E-09	2.99E-08	1.69E-08	-1.30E-08
4003	475363.1	3854377.3	7.52E-08	4.12E-08	-3.40E-08	2.85E-08	1.61E-08	-1.24E-08	1.45E-08	8.18E-09	-6.33E-09	2.85E-08	1.61E-08	-1.24E-08
4004	475863.1	3854377.3	6.80E-08	3.71E-08	-3.09E-08	2.58E-08	1.45E-08	-1.13E-08	1.31E-08	7.35E-09	-5.77E-09	2.58E-08	1.45E-08	-1.13E-08
4005	476363.1	3854377.3	6.85E-08	3.72E-08	-3.13E-08	2.60E-08	1.45E-08	-1.15E-08	1.32E-08	7.38E-09	-5.83E-09	2.60E-08	1.45E-08	-1.15E-08
4006	476863.1	3854377.3	7.03E-08	3.80E-08	-3.22E-08	2.67E-08	1.48E-08	-1.18E-08	1.36E-08	7.55E-09	-6.01E-09	2.67E-08	1.48E-08	-1.18E-08
4007	477363.1	3854377.3	7.25E-08	3.93E-08	-3.32E-08	2.75E-08	1.53E-08	-1.22E-08	1.40E-08	7.79E-09	-6.20E-09	2.75E-08	1.53E-08	-1.22E-08
4008	477863.1	3854377.3	7.57E-08	4.09E-08	-3.48E-08	2.87E-08	1.59E-08	-1.28E-08	1.46E-08	8.11E-09	-6.49E-09	2.87E-08	1.59E-08	-1.28E-08
4009	478363.1	3854377.3	8.15E-08	4.40E-08	-3.76E-08	3.09E-08	1.71E-08	-1.38E-08	1.57E-08	8.72E-09	-7.01E-09	3.09E-08	1.71E-08	-1.38E-08
4010	478863.1	3854377.3	8.56E-08	4.61E-08	-3.95E-08	3.25E-08	1.80E-08	-1.45E-08	1.65E-08	9.13E-09	-7.37E-09	3.25E-08	1.80E-08	-1.45E-08
4011	479363.1	3854377.3	9.86E-08	5.34E-08	-4.52E-08	3.74E-08	2.08E-08	-1.66E-08	1.90E-08	1.06E-08	-8.43E-09	3.74E-08	2.08E-08	-1.66E-08
4012	479863.1	3854377.3	1.09E-07	5.97E-08	-4.97E-08	4.15E-08	2.33E-08	-1.82E-08	2.11E-08	1.18E-08	-9.27E-09	4.15E-08	2.33E-08	-1.82E-08
4013	480363.1	3854377.3	1.30E-07	7.13E-08	-5.89E-08	4.94E-08	2.78E-08	-2.16E-08	2.51E-08	1.41E-08	-1.10E-08	4.94E-08	2.78E-08	-2.16E-08
4014	480863.1	3854377.3	1.68E-07	9.19E-08	-7.61E-08	6.37E-08	3.58E-08	-2.79E-08	3.24E-08	1.82E-08	-1.42E-08	6.37E-08	3.58E-08	-2.79E-08
4015	481363.1	3854377.3	2.24E-07	1.21E-07	-1.04E-07	8.51E-08	4.70E-08	-3.81E-08	4.33E-08	2.39E-08	-1.94E-08	8.51E-08	4.70E-08	-3.81E-08
4016	481863.1	3854377.3	3.52E-07	1.75E-07	-1.77E-07	1.34E-07	6.84E-08	-6.52E-08	6.79E-08	3.48E-08	-3.31E-08	1.34E-07	6.84E-08	-6.52E-08
4017	482363.1	3854377.3	5.97E-07	2.69E-07	-3.28E-07	2.26E-07	1.05E-07	-1.21E-07	1.15E-07	5.34E-08	-6.17E-08	2.26E-07	1.05E-07	-1.21E-07
4018	482863.1	3854377.3	9.17E-06	2.69E-06	-6.48E-06	3.48E-06	1.05E-06	-2.43E-06	1.77E-06	5.34E-07	-1.23E-06	3.48E-06	1.05E-06	-2.43E-06
4019	483363.1	3854377.3	1.59E-06	1.13E-06	-4.57E-07	6.03E-07	4.42E-07	-1.61E-07	3.07E-07	2.25E-07	-8.19E-08	6.03E-07	4.42E-07	-1.61E-07
4020	483863.1	3854377.3	7.37E-07	1.33E-06	5.95E-07	2.80E-07	5.20E-07	2.40E-07	1.42E-07	2.64E-07	1.22E-07	2.80E-07	5.20E-07	2.40E-07
4021	484363.1	3854377.3	4.80E-07	5.17E-07	3.73E-08	1.82E-07	2.02E-07	1.97E-08	9.26E-08	1.03E-07	1.00E-08	1.82E-07	2.02E-07	1.97E-08
4022	484863.1	3854377.3	3.56E-07	3.11E-07	-4.50E-08	1.35E-07	1.21E-07	-1.38E-08	6.86E-08	6.16E-08	-6.99E-09	1.35E-07	1.21E-07	-1.38E-08
4023	485363.1	3854377.3	3.38E-07	2.79E-07	-5.84E-08	1.28E-07	1.09E-07	-1.92E-08	6.52E-08	5.54E-08	-9.75E-09	1.28E-07	1.09E-07	-1.92E-08
4024	485863.1	3854377.3	2.81E-07	2.14E-07	-6.70E-08	1.06E-07	8.33E-08	-2.32E-08	5.41E-08	4.23E-08	-1.18E-08	1.06E-07	8.33E-08	-2.32E-08
4025	486363.1	3854377.3	2.60E-07	1.92E-07	-6.87E-08	9.87E-08	7.47E-08	-2.40E-08	5.02E-08	3.80E-08	-1.22E-08	9.87E-08	7.47E-08	-2.40E-08
4026	486863.1	3854377.3	2.37E-07	1.67E-07	-6.98E-08	8.99E-08	6.52E-08	-2.47E-08	4.57E-08	3.31E-08	-1.26E-08	8.99E-08	6.52E-08	-2.47E-08
4027	487363.1	3854377.3	2.31E-07	1.59E-07	-7.25E-08	8.78E-08	6.20E-08	-2.58E-08	4.47E-08	3.15E-08	-1.31E-08	8.78E-08	6.20E-08	-2.58E-08
4028	487863.1	3854377.3	2.36E-07	1.58E-07	-7.79E-08	8.94E-08	6.15E-08	-2.79E-08	4.54E-08	3.13E-08	-1.42E-08	8.94E-08	6.15E-08	-2.79E-08
4029	488363.1	3854377.3	2.34E-07	1.53E-07	-8.10E-08	8.88E-08	5.97E-08	-2.91E-08	4.52E-08	3.04E-08	-1.48E-08	8.88E-08	5.97E-08	-2.91E-08
4030	488863.1	3854377.3	2.30E-07	1.48E-07	-8.24E-08	8.73E-08	5.76E-08	-2.97E-08	4.44E-08	2.93E-08	-1.51E-08	8.73E-08	5.76E-08	-2.97E-08
4031	489363.1	3854377.3	2.25E-07	1.42E-07	-8.29E-08	8.53E-08	5.53E-08	-2.99E-08	4.34E-08	2.81E-08	-1.52E-08	8.53E-08	5.53E-08	-2.99E-08
4032	489863.1	3854377.3	2.18E-07	1.36E-07	-8.19E-08	8.25E-08	5.29E-08	-2.96E-08	4.20E-08	2.69E-08	-1.51E-08	8.25E-08	5.29E-08	-2.96E-08
4033	490363.1	3854377.3	2.10E-07	1.29E-07	-8.06E-08	7.96E-08	5.04E-08	-2.92E-08	4.05E-08	2.56E-08	-1.48E-08	7.96E-08	5.04E-08	-2.92E-08
4034	490863.1	3854377.3	1.90E-07	1.15E-07	-7.42E-08	7.19E-08	4.50E-08	-2.69E-08	3.66E-08	2.29E-08	-1.37E-08	7.19E-08	4.50E-08	-2.69E-08
4035	491363.1	3854377.3	1.94E-07	1.17E-07	-7.67E-08	7.36E-08	4.58E-08	-2.79E-08	3.74E-08	2.33E-08	-1.42E-08	7.36E-08	4.58E-08	-2.79E-08
4036	491863.1	3854377.3	1.96E-07	1.18E-07	-7.86E-08	7.45E-08	4.59E-08	-2.86E-08	3.79E-08	2.33E-08	-1.45E-08	7.45E-08	4.59E-08	-2.86E-08
4037	492363.1	3854377.3	1.95E-07	1.16E-07	-7.87E-08	7.38E-08	4.52E-08	-2.86E-08	3.75E-08	2.30E-08	-1.46E-08	7.38E-08	4.52E-08	-2.86E-08
4038	492863.1	3854377.3	1.90E-07	1.12E-07	-7.76E-08	7.21E-08	4.38E-08	-2.82E-08	3.67E-08	2.23E-08	-1.44E-08	7.21E-08	4.38E-08	-2.82E-08
4039	493363.1	3854377.3	1.84E-07	1.08E-07	-7.58E-08	6.99E-08	4.23E-08	-2.76E-08	3.55E-08	2.15E-08	-1.40E-08	6.99E-08	4.23E-08	-2.76E-08
4040	493863.1	3854377.3	1.78E-07	1.04E-07	-7.40E-08	6.77E-08	4.07E-08	-2.70E-08	3.44E-08	2.07E-08	-1.37E-08	6.77E-08	4.07E-08	-2.70E-08

4041	494363.1	3854377.3	1.72E-07	1.00E-07	-7.20E-08	6.54E-08	3.92E-08	-2.62E-08	3.33E-08	1.99E-08	-1.33E-08	6.54E-08	3.92E-08	-2.62E-08
4042	494863.1	3854377.3	1.58E-07	9.11E-08	-6.65E-08	5.98E-08	3.55E-08	-2.43E-08	3.04E-08	1.81E-08	-1.23E-08	5.98E-08	3.55E-08	-2.43E-08
4043	495363.1	3854377.3	1.41E-07	8.13E-08	-6.01E-08	5.36E-08	3.17E-08	-2.19E-08	2.73E-08	1.61E-08	-1.12E-08	5.36E-08	3.17E-08	-2.19E-08
4044	495863.1	3854377.3	1.31E-07	7.47E-08	-5.63E-08	4.97E-08	2.92E-08	-2.06E-08	2.53E-08	1.48E-08	-1.05E-08	4.97E-08	2.92E-08	-2.06E-08
4045	496363.1	3854377.3	1.26E-07	7.13E-08	-5.44E-08	4.77E-08	2.78E-08	-1.99E-08	2.42E-08	1.41E-08	-1.01E-08	4.77E-08	2.78E-08	-1.99E-08
4046	496863.1	3854377.3	1.19E-07	6.72E-08	-5.21E-08	4.53E-08	2.62E-08	-1.91E-08	2.30E-08	1.33E-08	-9.69E-09	4.53E-08	2.62E-08	-1.91E-08
4047	497363.1	3854377.3	1.09E-07	6.10E-08	-4.80E-08	4.13E-08	2.38E-08	-1.76E-08	2.10E-08	1.21E-08	-8.94E-09	4.13E-08	2.38E-08	-1.76E-08
4048	497863.1	3854377.3	1.10E-07	6.14E-08	-4.84E-08	4.17E-08	2.40E-08	-1.77E-08	2.12E-08	1.22E-08	-9.01E-09	4.17E-08	2.40E-08	-1.77E-08
4049	498363.1	3854377.3	1.04E-07	5.80E-08	-4.60E-08	3.95E-08	2.26E-08	-1.68E-08	2.01E-08	1.15E-08	-8.57E-09	3.95E-08	2.26E-08	-1.68E-08
4050	471363.1	3854877.3	6.48E-08	3.55E-08	-2.94E-08	2.46E-08	1.38E-08	-1.08E-08	1.25E-08	7.03E-09	-5.48E-09	2.46E-08	1.38E-08	-1.08E-08
4051	471863.1	3854877.3	6.71E-08	3.67E-08	-3.04E-08	2.55E-08	1.43E-08	-1.11E-08	1.29E-08	7.28E-09	-5.67E-09	2.55E-08	1.43E-08	-1.11E-08
4052	472363.1	3854877.3	6.89E-08	3.77E-08	-3.12E-08	2.61E-08	1.47E-08	-1.14E-08	1.33E-08	7.47E-09	-5.82E-09	2.61E-08	1.47E-08	-1.14E-08
4053	472863.1	3854877.3	6.94E-08	3.79E-08	-3.14E-08	2.63E-08	1.48E-08	-1.15E-08	1.34E-08	7.52E-09	-5.86E-09	2.63E-08	1.48E-08	-1.15E-08
4054	473363.1	3854877.3	7.21E-08	3.94E-08	-3.27E-08	2.73E-08	1.54E-08	-1.20E-08	1.39E-08	7.82E-09	-6.09E-09	2.73E-08	1.54E-08	-1.20E-08
4055	473863.1	3854877.3	7.48E-08	4.09E-08	-3.39E-08	2.84E-08	1.59E-08	-1.24E-08	1.44E-08	8.11E-09	-6.31E-09	2.84E-08	1.59E-08	-1.24E-08
4056	474363.1	3854877.3	7.84E-08	4.29E-08	-3.55E-08	2.97E-08	1.67E-08	-1.30E-08	1.51E-08	8.50E-09	-6.62E-09	2.97E-08	1.67E-08	-1.30E-08
4057	474863.1	3854877.3	7.30E-08	3.99E-08	-3.31E-08	2.77E-08	1.56E-08	-1.21E-08	1.41E-08	7.91E-09	-6.16E-09	2.77E-08	1.56E-08	-1.21E-08
4058	475363.1	3854877.3	6.76E-08	3.67E-08	-3.09E-08	2.56E-08	1.43E-08	-1.13E-08	1.30E-08	7.28E-09	-5.75E-09	2.56E-08	1.43E-08	-1.13E-08
4059	475863.1	3854877.3	6.35E-08	3.44E-08	-2.91E-08	2.41E-08	1.34E-08	-1.07E-08	1.23E-08	6.81E-09	-5.44E-09	2.41E-08	1.34E-08	-1.07E-08
4060	476363.1	3854877.3	5.85E-08	3.14E-08	-2.71E-08	2.22E-08	1.22E-08	-9.96E-09	1.13E-08	6.23E-09	-5.07E-09	2.22E-08	1.22E-08	-9.96E-09
4061	476863.1	3854877.3	5.94E-08	3.20E-08	-2.74E-08	2.26E-08	1.25E-08	-1.01E-08	1.15E-08	6.35E-09	-5.12E-09	2.26E-08	1.25E-08	-1.01E-08
4062	477363.1	3854877.3	6.48E-08	3.48E-08	-3.00E-08	2.46E-08	1.36E-08	-1.10E-08	1.25E-08	6.91E-09	-5.60E-09	2.46E-08	1.36E-08	-1.10E-08
4063	477863.1	3854877.3	7.03E-08	3.78E-08	-3.25E-08	2.67E-08	1.47E-08	-1.19E-08	1.36E-08	7.50E-09	-6.06E-09	2.67E-08	1.47E-08	-1.19E-08
4064	478363.1	3854877.3	7.93E-08	4.27E-08	-3.65E-08	3.01E-08	1.67E-08	-1.34E-08	1.53E-08	8.47E-09	-6.82E-09	3.01E-08	1.67E-08	-1.34E-08
4065	478863.1	3854877.3	9.10E-08	4.91E-08	-4.18E-08	3.45E-08	1.92E-08	-1.53E-08	1.76E-08	9.74E-09	-7.81E-09	3.45E-08	1.92E-08	-1.53E-08
4066	479363.1	3854877.3	1.03E-07	5.60E-08	-4.71E-08	3.91E-08	2.19E-08	-1.73E-08	1.99E-08	1.11E-08	-8.78E-09	3.91E-08	2.19E-08	-1.73E-08
4067	479863.1	3854877.3	1.17E-07	6.40E-08	-5.31E-08	4.44E-08	2.50E-08	-1.94E-08	2.26E-08	1.27E-08	-9.89E-09	4.44E-08	2.50E-08	-1.94E-08
4068	480363.1	3854877.3	1.31E-07	7.20E-08	-5.86E-08	4.95E-08	2.81E-08	-2.15E-08	2.52E-08	1.43E-08	-1.09E-08	4.95E-08	2.81E-08	-2.15E-08
4069	480863.1	3854877.3	1.61E-07	8.85E-08	-7.22E-08	6.10E-08	3.45E-08	-2.65E-08	3.10E-08	1.76E-08	-1.35E-08	6.10E-08	3.45E-08	-2.65E-08
4070	481363.1	3854877.3	1.98E-07	1.07E-07	-9.14E-08	7.52E-08	4.16E-08	-3.35E-08	3.82E-08	2.12E-08	-1.71E-08	7.52E-08	4.16E-08	-3.35E-08
4071	481863.1	3854877.3	2.27E-07	1.20E-07	-1.07E-07	8.61E-08	4.69E-08	-3.92E-08	4.38E-08	2.39E-08	-1.99E-08	8.61E-08	4.69E-08	-3.92E-08
4072	482363.1	3854877.3	4.50E-07	1.99E-07	-2.51E-07	1.71E-07	7.77E-08	-9.31E-08	8.69E-08	3.95E-08	-4.74E-08	1.71E-07	7.77E-08	-9.31E-08
4073	482863.1	3854877.3	1.09E-06	3.94E-07	-6.95E-07	4.13E-07	1.54E-07	-2.60E-07	2.10E-07	7.82E-08	-1.32E-07	4.13E-07	1.54E-07	-2.60E-07
4074	483363.1	3854877.3	5.25E-06	1.57E-06	-3.68E-06	1.99E-06	6.13E-07	-1.38E-06	1.01E-06	3.12E-07	-7.01E-07	1.99E-06	6.13E-07	-1.38E-06
4075	483863.1	3854877.3	1.29E-06	6.13E-07	-6.79E-07	4.90E-07	2.39E-07	-2.51E-07	2.49E-07	1.22E-07	-1.28E-07	4.90E-07	2.39E-07	-2.51E-07
4076	484363.1	3854877.3	6.98E-07	1.77E-06	1.07E-06	2.65E-07	6.91E-07	4.26E-07	1.35E-07	3.51E-07	2.17E-07	2.65E-07	6.91E-07	4.26E-07
4077	484863.1	3854877.3	5.21E-07	1.15E-06	6.33E-07	1.98E-07	4.50E-07	2.52E-07	1.01E-07	2.29E-07	1.28E-07	1.98E-07	4.50E-07	2.52E-07
4078	485363.1	3854877.3	4.23E-07	5.02E-07	7.88E-08	1.61E-07	1.96E-07	3.53E-08	8.17E-08	9.96E-08	1.79E-08	1.61E-07	1.96E-07	3.53E-08
4079	485863.1	3854877.3	3.61E-07	3.35E-07	-2.59E-08	1.37E-07	1.31E-07	-6.24E-09	6.97E-08	6.65E-08	-3.18E-09	1.37E-07	1.31E-07	-6.24E-09
4080	486363.1	3854877.3	3.16E-07	2.58E-07	-5.85E-08	1.20E-07	1.00E-07	-1.95E-08	6.10E-08	5.11E-08	-9.90E-09	1.20E-07	1.00E-07	-1.95E-08
4081	486863.1	3854877.3	2.85E-07	2.15E-07	-7.02E-08	1.08E-07	8.38E-08	-2.43E-08	5.50E-08	4.26E-08	-1.24E-08	1.08E-07	8.38E-08	-2.43E-08
4082	487363.1	3854877.3	2.68E-07	1.93E-07	-7.50E-08	1.02E-07	7.54E-08	-2.64E-08	5.18E-08	3.84E-08	-1.34E-08	1.02E-07	7.54E-08	-2.64E-08
4083	487863.1	3854877.3	2.57E-07	1.79E-07	-7.84E-08	9.76E-08	6.97E-08	-2.78E-08	4.96E-08	3.55E-08	-1.41E-08	9.76E-08	6.97E-08	-2.78E-08
4084	488363.1	3854877.3	2.53E-07	1.70E-07	-8.27E-08	9.58E-08	6.63E-08	-2.96E-08	4.87E-08	3.37E-08	-1.50E-08	9.58E-08	6.63E-08	-2.96E-08
4085	488863.1	3854877.3	2.52E-07	1.65E-07	-8.76E-08	9.57E-08	6.42E-08	-3.15E-08	4.87E-08	3.27E-08	-1.60E-08	9.57E-08	6.42E-08	-3.15E-08
4086	489363.1	3854877.3	2.47E-07	1.57E-07	-8.93E-08	9.36E-08	6.14E-08	-3.22E-08	4.76E-08	3.12E-08	-1.64E-08	9.36E-08	6.14E-08	-3.22E-08
4087	489863.1	3854877.3	2.34E-07	1.47E-07	-8.69E-08	8.88E-08	5.74E-08	-3.14E-08	4.52E-08	2.92E-08	-1.60E-08	8.88E-08	5.74E-08	-3.14E-08
4088	490363.1	3854877.3	2.03E-07	1.25E-07	-7.72E-08	7.69E-08	4.89E-08	-2.79E-08	3.91E-08	2.49E-08	-1.42E-08	7.69E-08	4.89E-08	-2.79E-08
4089	490863.1	3854877.3	1.74E-07	1.05E-07	-6.93E-08	6.59E-08	4.08E-08	-2.52E-08	3.35E-08	2.07E-08	-1.28E-08	6.59E-08	4.08E-08	-2.52E-08
4090	491363.1	3854877.3	1.78E-07	1.07E-07	-7.10E-08	6.75E-08	4.17E-08	-2.58E-08	3.43E-08	2.12E-08	-1.31E-08	6.75E-08	4.17E-08	-2.58E-08
4091	491863.1	3854877.3	2.08E-07	1.25E-07	-8.31E-08	7.89E-08	4.87E-08	-3.02E-08	4.01E-08	2.48E-08	-1.54E-08	7.89E-08	4.87E-08	-3.02E-08
4092	492363.1	3854877.3	2.07E-07	1.23E-07	-8.38E-08	7.84E-08	4.79E-08	-3.05E-08	3.99E-08	2.44E-08	-1.55E-08	7.84E-08	4.79E-08	-3.05E-08
4093	492863.1	3854877.3	2.00E-07	1.18E-07	-8.19E-08	7.59E-08	4.61E-08	-2.98E-08	3.86E-08	2.34E-08	-1.52E-08	7.59E-08	4.61E-08	-2.98E-08
4094	493363.1	3854877.3	1.91E-07	1.13E-07	-7.89E-08	7.26E-08	4.39E-08	-2.87E-08	3.69E-08	2.23E-08	-1.46E-08	7.26E-08	4.39E-08	-2.87E-08
4095	493863.1	3854877.3	1.85E-07	1.08E-07	-7.65E-08	7.00E-08	4.22E-08	-2.79E-08	3.56E-08	2.14E-08	-1.42E-08	7.00E-08	4.22E-08	-2.79E-08
4096	494363.1	3854877.3	1.63E-07	9.51E-08	-6.84E-08	6.20E-08	3.71E-08	-2.49E-08	3.15E-08	1.89E-08	-1.27E-08	6.20E-08	3.71E-08	-2.49E-08
4097	494863.1	3854877.3	1.43E-07	8.19E-08	-6.09E-08	5.42E-08	3.19E-08	-2.22E-08	2.75E-08	1.62E-08	-1.13E-08	5.42E-08	3.19E-08	-2.22E-08
4098	495363.1	3854877.3	1.30E-07	7.36E-08	-5.61E-08	4.92E-08	2.87E-08	-2.05E-08	2.50E-08	1.46E-08	-1.04E-08	4.92E-08	2.87E-08	-2.05E-08
4099	495863.1	3854877.3	1.22E-07	6.91E-08	-5.34E-08	4.65E-08	2.69E-08	-1.95E-08	2.36E-08	1.37E-08	-9.93E-09	4.65E-08	2.69E-08	-1.95E-08
4100	496363.1	3854877.3	1.13E-07	6.29E-08	-4.97E-08	4.27E-08	2.45E-08	-1.82E-08	2.17E-08	1.25E-08	-9.24E-09	4.27E-08	2.45E-08	-1.82E-08
4101	496863.1	3854877.3	1.06E-07	5.92E-08	-4.71E-08	4.03E-08	2.31E-08	-1.72E-08	2.05E-08	1.17E-08	-8.76E-09	4.03E-08	2.31E-08	-1.72E-08
4102	497363.1	3854877.3	1.04E-07	5.81E-08	-4.64E-08	3.96E-08	2.27E-08	-1.70E-08	2.02E-08	1.15E-08	-8.63E-09	3.96E-08	2.27E-08	-1.70E-08
4103	497863.1	3854877.3	1.08E-07	6.01E-08	-4.80E-08	4.10E-08	2.34E-08	-1.76E-08	2.09E-08	1.19E-08	-8.93E-09	4.10E-08	2.34E-08	-1.76E-08
4104	498363.1	3854877.3	1.07E-07	5.92E-08	-4.75E-08	4.05E-08	2.31E-08	-1.74E-08	2.06E-08	1.17E-08	-8.84E-09	4.05E-08	2.31E-08	-1.74E-08
4105	471363.1	3855377.3	6.35E-08	3.48E-08	-2.87E-08	2.41E-08	1.36E-08	-1.05E-08	1.23E-08	6.91E-09	-5.34E-09	2.41E-08	1.36E-08	-1.05E-08
4106	471863.1	3855377.3	6.48E-08	3.56E-08	-2.93E-08	2.46E-08	1.39E-08	-1.07E-08	1.25E-08	7.06E-09	-5.45E-09	2.46E-08	1.39E-08	-1.07E-08
4107	472363.1	3855377.3	6.71E-08	3.68E-08	-3.03E-08	2.55E-08	1.44E-08	-1.11E-08	1.29E-08	7.30E-09	-5.64E-09	2.55E-08	1.44E-08	-1.11E-08
4108	472863.1	3855377.3	6.80E-08	3.73E-08	-3.07E-08	2.58E-08	1.46E-08	-1.12E-08	1.31E-08	7.40E-09	-5.72E-09	2.58E-08	1.46E-08	-1.12E-08
4109	473363.1	3855377.3	7.12E-08	3.90E-08	-3.21E-08	2.70E-08	1.52E-08	-1.18E-08	1.37E-08	7.74E-09	-5.99E-09	2.70E-08	1.52E-08	-1.18E-08
4110	473863.1	3855377.3	7.39E-08	4.05E-08	-3.33E-08	2.80E-08	1.58E-08	-1.22E-08	1.42E-08	8.04E-09	-6.21E-09	2.80E-08	1.58E-08	-1.22E-08
4111	474363.1	3855377.3	7.61E-08	4.17E-08	-3.44E-08	2.89E-08	1.63E-08	-1.26E-08	1.47E-08	8.28E-09	-6.40E-09	2.89E-08	1.63E-08	-1.26E-08
4112	474863.1	3855377.3	7.12E-08	3.90E-08	-3.21E-08	2.70E-08	1.52E-08	-1.18E-08	1.37E-08	7.74E-09	-5.99E-09	2.70E-08	1.52E-08	-1.18E-08
4113	475363.1	3855377.3	5.76E-08	3.13E-08	-2.64E-08	2.19E-08	1.22E-08	-9.67E-09	1.11E-08	6.20E-09	-4.92E-09	2.19E-08	1.22E-08	-9.67E-09
4114	475863.1	3855377.3	5.54E-08	2.98E-08	-2.56E-08	2.10E-08	1.16E-08	-9.39E-09	1.07E-08	5.91E-09	-4.78E-09	2.10E-08	1.16E-08	-9.39E-09
4115	476363.1	3855377.3	5.90E-08	3.18E-08	-2.72E-08	2.24E-08	1.24E-08	-9.99E-09	1.14E-08	6.30E-09	-5.08E-09	2.24E-08	1.24E-08	-9.99E-09
4116	476863.1	3855377.3	6.03E-08	3.24E-08	-2.80E-08	2.29E-08	1.26E-08	-1.03E-08	1.16E-08	6.42E-09	-5.22E-09	2.29E-08	1.26E-08	-1.03E-08
4117	477363.1	3855377.3	6.35E-08	3.41E-08	-2.94E-08	2.41E-08	1.33E-08	-1.08E-08	1.23E-08	6.77E-09	-5.49E-09	2.41E-08	1.33E-08	-1.08E-08
4118	477863.1	3855377.3	7.03E-08	3.78E-08	-3.25E-08	2.67E-08	1.47E-08	-1.19E-08	1.36E-08	7.50E-09	-6.06E-09	2.67E-08	1.47E-08	-1.19E-08
4119	478363.1	3855377.3	7.79E-08	4.21E-08	-3.58E-08	2.96E-08	1.64E-08	-1.31E-08	1.50E-08	8.35E-09	-6.68E-09	2.96E-08	1.64E-08	-1.31E-08
4120	478863.1	3855377.3	8.65E-08	4.68E-08	-3.97E-08	3.28E-08	1.82E-08	-1.46E-08	1.67E-08	9.28E-09	-7.40E-09	3.28E-08	1.82E-08	-1.46E-08
4121	479363.1	3855377.3	9.64E-08	5.27E-08	-4.37E-08	3.66E-08	2.06E-08	-1.60E-08	1.86E-08	1.05E-08	-8.14E-09	3.66E-08	2.06E-08	-1.60E-08
4122	479863.1	3855377.3	1.08E-07	5.92E-08	-4.84E-08	4.08E-08	2.31E-08	-1.77E-08	2.08E-08	1.17E-08	-9.02E-09	4.08E-08	2.31E-08	-1.77E-08
4123	480363.1	3855377.3	1.26E-07	6.99E-08	-5.57E-08	4.77E-08	2.73E-08	-2.04E-08	2.42E-08	1.39E-08	-1.04E-08	4.77E-08	2.73E-08	-2.04E-08
4124	480863.1	3855377.3	1.55E-07	8.48E-08	-7.01E-08	5.88E-08	3.31E-08	-2.57E-08	2.99E-08	1.68E-08	-1.31E-08	5.88E-08	3.31E-08	-2.57E-08
4125	481363.1	3855377.3	1.99E-07	1.04E-07	-9.49E-08	7.53E-08	4.04E-08	-3.49E-08	3.83E-08	2.06E-08	-1.78E-08	7.53E-08	4.04E-08	-3.49E-08
4126	481863.1	3855377.3	2.54E-07	1.25E-07	-1.29E-07	9.64E-08	4.86E-08	-4.78E-08	4.90E-08	2.47E-08	-2.43E-08	9.64E-08	4.86E-08	-4.78E-08
4127	482363.1	3855377.3	3.34E-07	1.52E-07	-1.82E-07	1.27E-07	5.93E-08	-6.73E-08	6.44E-08	3.01E-08	-3.42E-08	1.27E-07	5.93E-08	-6.73E-08
4128	482863.1	3855377.3	4.94E-07	2.05E-07	-2.90E-07	1.88E-07	7.99E-08	-1.08E-07	9.54E-08	4.06E-08	-5.48E-08	1.88E-07	7.99E-08	-1.08E-07
4129	483363.1	3855377.3	1.10E-06	3.83E-07	-7.15E-07	4.17E-07	1.50E-07	-2.67E-07	2.12E-07	7.61E-08	-1.36E-07	4.17E-07	1.50E-07	-2.67E-07
4130	483863.1	3855377.3	7.11E-06	2.06E-06	-5.06E-06	2.70E-06	8.02E-07	-1.90E-06	1.37E-06	4.08E-07	-9.64E-07	2.70E-06	8.02E-07	-1.90E-06
4131	484363.1	3855377.3	1.42E-06	5.56E-07	-8.61E-07	5.37E-07	2.17E-07	-3.21E-07	2.73E-07	1.10E-07	-1.63E-07	5.37E-07	2.17E-07	-3.21E-07
4132	484863.1	3855377.3	8.52E-07	6.94E-07	-1.57E-07	3.23E-07	2.71E-07	-5.23E-08	1.64E-07	1.38E-07	-2.66E-08	3.23E-07	2.71E-07	-5.23E-08
4133	485363.1	3855377.3	6.09E-07	1.23E-06	6.24E-07	2.31E-07	4.81E-07	2.50E-07	1.18E-07	2.45E-07	1.27E-07	2.31E-07	4.81E-07	2.50E-07
4134	485863.1	3855377.3	4.85E-07	5.22E-07	3.72E-08	1.84E-07	2.04E-07	1.97E-08	9.36E-08	1.04E-07	1.00E-08	1.84E-07	2.04E-07	1.97E-08

4135	486363.1	3855377.3	4.00E-07	3.51E-07	-4.95E-08	1.52E-07	1.37E-07	-1.51E-08	7.72E-08	6.96E-08	-7.66E-09	1.52E-07	1.37E-07	-1.51E-08
4136	486863.1	3855377.3	3.47E-07	2.72E-07	-7.51E-08	1.32E-07	1.06E-07	-2.56E-08	6.69E-08	5.39E-08	-1.30E-08	1.32E-07	1.06E-07	-2.56E-08
4137	487363.1	3855377.3	3.28E-07	2.41E-07	-8.71E-08	1.24E-07	9.39E-08	-3.05E-08	6.33E-08	4.77E-08	-1.55E-08	1.24E-07	9.39E-08	-3.05E-08
4138	487863.1	3855377.3	3.09E-07	2.17E-07	-9.23E-08	1.17E-07	8.45E-08	-3.27E-08	5.96E-08	4.30E-08	-1.66E-08	1.17E-07	8.45E-08	-3.27E-08
4139	488363.1	3855377.3	2.93E-07	1.98E-07	-9.50E-08	1.11E-07	7.71E-08	-3.39E-08	5.65E-08	3.92E-08	-1.72E-08	1.11E-07	7.71E-08	-3.39E-08
4140	488863.1	3855377.3	2.81E-07	1.84E-07	-9.70E-08	1.06E-07	7.16E-08	-3.48E-08	5.41E-08	3.64E-08	-1.77E-08	1.06E-07	7.16E-08	-3.48E-08
4141	489363.1	3855377.3	2.69E-07	1.72E-07	-9.74E-08	1.02E-07	6.70E-08	-3.51E-08	5.20E-08	3.41E-08	-1.79E-08	1.02E-07	6.70E-08	-3.51E-08
4142	489863.1	3855377.3	2.56E-07	1.61E-07	-9.52E-08	9.72E-08	6.28E-08	-3.44E-08	4.94E-08	3.19E-08	-1.75E-08	9.72E-08	6.28E-08	-3.44E-08
4143	490363.1	3855377.3	2.52E-07	1.55E-07	-9.70E-08	9.57E-08	6.05E-08	-3.52E-08	4.87E-08	3.08E-08	-1.79E-08	9.57E-08	6.05E-08	-3.52E-08
4144	490863.1	3855377.3	2.01E-07	1.23E-07	-7.75E-08	7.62E-08	4.81E-08	-2.81E-08	3.87E-08	2.45E-08	-1.43E-08	7.62E-08	4.81E-08	-2.81E-08
4145	491363.1	3855377.3	1.86E-07	1.12E-07	-7.40E-08	7.07E-08	4.38E-08	-2.69E-08	3.60E-08	2.23E-08	-1.37E-08	7.07E-08	4.38E-08	-2.69E-08
4146	491863.1	3855377.3	2.22E-07	1.33E-07	-8.88E-08	8.41E-08	5.18E-08	-3.23E-08	4.27E-08	2.63E-08	-1.64E-08	8.41E-08	5.18E-08	-3.23E-08
4147	492363.1	3855377.3	2.18E-07	1.29E-07	-8.91E-08	8.29E-08	5.04E-08	-3.24E-08	4.21E-08	2.56E-08	-1.65E-08	8.29E-08	5.04E-08	-3.24E-08
4148	492863.1	3855377.3	2.09E-07	1.23E-07	-8.60E-08	7.94E-08	4.81E-08	-3.13E-08	4.04E-08	2.45E-08	-1.59E-08	7.94E-08	4.81E-08	-3.13E-08
4149	493363.1	3855377.3	1.95E-07	1.15E-07	-7.99E-08	7.38E-08	4.47E-08	-2.91E-08	3.75E-08	2.27E-08	-1.48E-08	7.38E-08	4.47E-08	-2.91E-08
4150	493863.1	3855377.3	1.73E-07	1.01E-07	-7.20E-08	6.56E-08	3.94E-08	-2.62E-08	3.34E-08	2.00E-08	-1.33E-08	6.56E-08	3.94E-08	-2.62E-08
4151	494363.1	3855377.3	1.51E-07	8.69E-08	-6.44E-08	5.74E-08	3.39E-08	-2.35E-08	2.92E-08	1.72E-08	-1.19E-08	5.74E-08	3.39E-08	-2.35E-08
4152	494863.1	3855377.3	1.33E-07	7.51E-08	-5.77E-08	5.04E-08	2.93E-08	-2.11E-08	2.56E-08	1.49E-08	-1.07E-08	5.04E-08	2.93E-08	-2.11E-08
4153	495363.1	3855377.3	1.20E-07	6.74E-08	-5.29E-08	4.56E-08	2.63E-08	-1.93E-08	2.32E-08	1.34E-08	-9.84E-09	4.56E-08	2.63E-08	-1.93E-08
4154	495863.1	3855377.3	1.11E-07	6.19E-08	-4.93E-08	4.22E-08	2.42E-08	-1.80E-08	2.15E-08	1.23E-08	-9.18E-09	4.22E-08	2.42E-08	-1.80E-08
4155	496363.1	3855377.3	1.09E-07	6.07E-08	-4.87E-08	4.15E-08	2.37E-08	-1.78E-08	2.11E-08	1.20E-08	-9.07E-09	4.15E-08	2.37E-08	-1.78E-08
4156	496863.1	3855377.3	1.08E-07	5.96E-08	-4.80E-08	4.08E-08	2.32E-08	-1.76E-08	2.08E-08	1.18E-08	-8.94E-09	4.08E-08	2.32E-08	-1.76E-08
4157	497363.1	3855377.3	1.08E-07	5.97E-08	-4.79E-08	4.08E-08	2.33E-08	-1.75E-08	2.08E-08	1.18E-08	-8.92E-09	4.08E-08	2.33E-08	-1.75E-08
4158	497863.1	3855377.3	1.10E-07	6.07E-08	-4.92E-08	4.17E-08	2.37E-08	-1.80E-08	2.12E-08	1.20E-08	-9.16E-09	4.17E-08	2.37E-08	-1.80E-08
4159	498363.1	3855377.3	1.12E-07	6.21E-08	-5.01E-08	4.25E-08	2.42E-08	-1.83E-08	2.16E-08	1.23E-08	-9.32E-09	4.25E-08	2.42E-08	-1.83E-08
4160	471363.1	3855877.3	6.21E-08	3.41E-08	-2.80E-08	2.36E-08	1.33E-08	-1.03E-08	1.20E-08	6.77E-09	-5.22E-09	2.36E-08	1.33E-08	-1.03E-08
4161	471863.1	3855877.3	6.35E-08	3.50E-08	-2.85E-08	2.41E-08	1.36E-08	-1.04E-08	1.23E-08	6.94E-09	-5.31E-09	2.41E-08	1.36E-08	-1.04E-08
4162	472363.1	3855877.3	6.62E-08	3.64E-08	-2.98E-08	2.51E-08	1.42E-08	-1.09E-08	1.28E-08	7.23E-09	-5.54E-09	2.51E-08	1.42E-08	-1.09E-08
4163	472863.1	3855877.3	6.67E-08	3.67E-08	-3.00E-08	2.53E-08	1.43E-08	-1.10E-08	1.29E-08	7.28E-09	-5.58E-09	2.53E-08	1.43E-08	-1.10E-08
4164	473363.1	3855877.3	6.98E-08	3.85E-08	-3.13E-08	2.65E-08	1.50E-08	-1.14E-08	1.35E-08	7.64E-09	-5.82E-09	2.65E-08	1.50E-08	-1.14E-08
4165	473863.1	3855877.3	7.25E-08	4.00E-08	-3.25E-08	2.75E-08	1.56E-08	-1.19E-08	1.40E-08	7.94E-09	-6.05E-09	2.75E-08	1.56E-08	-1.19E-08
4166	474363.1	3855877.3	7.43E-08	4.10E-08	-3.33E-08	2.82E-08	1.60E-08	-1.22E-08	1.43E-08	8.13E-09	-6.20E-09	2.82E-08	1.60E-08	-1.22E-08
4167	474863.1	3855877.3	6.80E-08	3.76E-08	-3.04E-08	2.58E-08	1.46E-08	-1.11E-08	1.31E-08	7.45E-09	-5.67E-09	2.58E-08	1.46E-08	-1.11E-08
4168	475363.1	3855877.3	5.94E-08	3.24E-08	-2.71E-08	2.26E-08	1.26E-08	-9.92E-09	1.15E-08	6.42E-09	-5.05E-09	2.26E-08	1.26E-08	-9.92E-09
4169	475863.1	3855877.3	4.95E-08	2.67E-08	-2.28E-08	1.88E-08	1.04E-08	-8.37E-09	9.56E-09	5.30E-09	-4.26E-09	1.88E-08	1.04E-08	-8.37E-09
4170	476363.1	3855877.3	5.13E-08	2.77E-08	-2.36E-08	1.95E-08	1.08E-08	-8.67E-09	9.90E-09	5.50E-09	-4.41E-09	1.95E-08	1.08E-08	-8.67E-09
4171	476863.1	3855877.3	5.85E-08	3.15E-08	-2.70E-08	2.22E-08	1.23E-08	-9.92E-09	1.13E-08	6.25E-09	-5.04E-09	2.22E-08	1.23E-08	-9.92E-09
4172	477363.1	3855877.3	6.35E-08	3.42E-08	-2.93E-08	2.41E-08	1.34E-08	-1.07E-08	1.23E-08	6.79E-09	-5.46E-09	2.41E-08	1.34E-08	-1.07E-08
4173	477863.1	3855877.3	6.85E-08	3.71E-08	-3.14E-08	2.60E-08	1.45E-08	-1.15E-08	1.32E-08	7.35E-09	-5.85E-09	2.60E-08	1.45E-08	-1.15E-08
4174	478363.1	3855877.3	7.57E-08	4.11E-08	-3.45E-08	2.87E-08	1.60E-08	-1.27E-08	1.46E-08	8.16E-09	-6.44E-09	2.87E-08	1.60E-08	-1.27E-08
4175	478863.1	3855877.3	8.38E-08	4.58E-08	-3.80E-08	3.18E-08	1.79E-08	-1.39E-08	1.62E-08	9.09E-09	-7.07E-09	3.18E-08	1.79E-08	-1.39E-08
4176	479363.1	3855877.3	9.41E-08	5.20E-08	-4.22E-08	3.57E-08	2.03E-08	-1.54E-08	1.82E-08	1.03E-08	-7.85E-09	3.57E-08	2.03E-08	-1.54E-08
4177	479863.1	3855877.3	1.04E-07	5.81E-08	-4.64E-08	3.96E-08	2.27E-08	-1.70E-08	2.02E-08	1.15E-08	-8.63E-09	3.96E-08	2.27E-08	-1.70E-08
4178	480363.1	3855877.3	1.20E-07	6.69E-08	-5.29E-08	4.54E-08	2.61E-08	-1.94E-08	2.31E-08	1.33E-08	-9.85E-09	4.54E-08	2.61E-08	-1.94E-08
4179	480863.1	3855877.3	1.41E-07	7.81E-08	-6.33E-08	5.36E-08	3.04E-08	-2.32E-08	2.73E-08	1.55E-08	-1.18E-08	5.36E-08	3.04E-08	-2.32E-08
4180	481363.1	3855877.3	1.53E-07	8.40E-08	-6.87E-08	5.79E-08	3.28E-08	-2.52E-08	2.95E-08	1.67E-08	-1.28E-08	5.79E-08	3.28E-08	-2.52E-08
4181	481863.1	3855877.3	2.18E-07	1.08E-07	-1.09E-07	8.25E-08	4.22E-08	-4.04E-08	4.20E-08	2.14E-08	-2.05E-08	8.25E-08	4.22E-08	-4.04E-08
4182	482363.1	3855877.3	2.66E-07	1.24E-07	-1.41E-07	1.01E-07	4.85E-08	-5.23E-08	5.13E-08	2.46E-08	-2.66E-08	1.01E-07	4.85E-08	-5.23E-08
4183	482863.1	3855877.3	3.36E-07	1.49E-07	-1.87E-07	1.27E-07	5.80E-08	-6.93E-08	6.47E-08	2.95E-08	-3.52E-08	1.27E-07	5.80E-08	-6.93E-08
4184	483363.1	3855877.3	4.78E-07	1.95E-07	-2.83E-07	1.81E-07	7.61E-08	-1.05E-07	9.23E-08	3.87E-08	-5.36E-08	1.81E-07	7.61E-08	-1.05E-07
4185	483863.1	3855877.3	9.87E-07	3.47E-07	-6.40E-07	3.74E-07	1.35E-07	-2.39E-07	1.90E-07	6.88E-08	-1.22E-07	3.74E-07	1.35E-07	-2.39E-07
4186	484363.1	3855877.3	1.15E-05	3.25E-06	-8.26E-06	4.36E-06	1.27E-06	-3.10E-06	2.22E-06	6.44E-07	-1.58E-06	4.36E-06	1.27E-06	-3.10E-06
4187	484863.1	3855877.3	1.80E-06	6.45E-07	-1.16E-06	6.84E-07	2.52E-07	-4.33E-07	3.48E-07	1.28E-07	-2.20E-07	6.84E-07	2.52E-07	-4.33E-07
4188	485363.1	3855877.3	1.00E-06	6.78E-07	-3.21E-07	3.79E-07	2.65E-07	-1.15E-07	1.93E-07	1.35E-07	-5.83E-08	3.79E-07	2.65E-07	-1.15E-07
4189	485863.1	3855877.3	6.86E-07	1.37E-06	6.79E-07	2.60E-07	5.33E-07	2.72E-07	1.32E-07	2.71E-07	1.38E-07	2.60E-07	5.33E-07	2.72E-07
4190	486363.1	3855877.3	5.15E-07	5.24E-07	8.50E-09	1.95E-07	2.04E-07	8.81E-09	9.94E-08	1.04E-07	4.48E-09	1.95E-07	2.04E-07	8.81E-09
4191	486863.1	3855877.3	4.32E-07	3.61E-07	-7.17E-08	1.64E-07	1.41E-07	-2.33E-08	8.34E-08	7.15E-08	-1.19E-08	1.64E-07	1.41E-07	-2.33E-08
4192	487363.1	3855877.3	4.00E-07	3.02E-07	-9.76E-08	1.52E-07	1.18E-07	-3.38E-08	7.72E-08	6.00E-08	-1.72E-08	1.52E-07	1.18E-07	-3.38E-08
4193	487863.1	3855877.3	3.75E-07	2.64E-07	-1.11E-07	1.42E-07	1.03E-07	-3.92E-08	7.24E-08	5.25E-08	-1.99E-08	1.42E-07	1.03E-07	-3.92E-08
4194	488363.1	3855877.3	3.49E-07	2.35E-07	-1.15E-07	1.33E-07	9.15E-08	-4.11E-08	6.74E-08	4.65E-08	-2.09E-08	1.33E-07	9.15E-08	-4.11E-08
4195	488863.1	3855877.3	3.27E-07	2.12E-07	-1.15E-07	1.24E-07	8.27E-08	-4.16E-08	6.32E-08	4.20E-08	-2.11E-08	1.24E-07	8.27E-08	-4.16E-08
4196	489363.1	3855877.3	3.07E-07	1.93E-07	-1.14E-07	1.17E-07	7.54E-08	-4.11E-08	5.93E-08	3.84E-08	-2.09E-08	1.17E-07	7.54E-08	-4.11E-08
4197	489863.1	3855877.3	2.90E-07	1.79E-07	-1.11E-07	1.10E-07	6.99E-08	-4.03E-08	5.60E-08	3.55E-08	-2.05E-08	1.10E-07	6.99E-08	-4.03E-08
4198	490363.1	3855877.3	2.78E-07	1.69E-07	-1.10E-07	1.06E-07	6.57E-08	-3.98E-08	5.37E-08	3.34E-08	-2.03E-08	1.06E-07	6.57E-08	-3.98E-08
4199	490863.1	3855877.3	2.61E-07	1.57E-07	-1.04E-07	9.91E-08	6.14E-08	-3.77E-08	5.04E-08	3.12E-08	-1.92E-08	9.91E-08	6.14E-08	-3.77E-08
4200	491363.1	3855877.3	2.35E-07	1.42E-07	-9.24E-08	8.90E-08	5.55E-08	-3.35E-08	4.53E-08	2.82E-08	-1.71E-08	8.90E-08	5.55E-08	-3.35E-08
4201	491863.1	3855877.3	2.43E-07	1.43E-07	-9.97E-08	9.23E-08	5.60E-08	-3.63E-08	4.69E-08	2.85E-08	-1.85E-08	9.23E-08	5.60E-08	-3.63E-08
4202	492363.1	3855877.3	2.30E-07	1.35E-07	-9.48E-08	8.73E-08	5.28E-08	-3.45E-08	4.44E-08	2.68E-08	-1.76E-08	8.73E-08	5.28E-08	-3.45E-08
4203	492863.1	3855877.3	2.19E-07	1.28E-07	-9.08E-08	8.30E-08	4.99E-08	-3.31E-08	4.22E-08	2.54E-08	-1.68E-08	8.30E-08	4.99E-08	-3.31E-08
4204	493363.1	3855877.3	1.90E-07	1.11E-07	-7.91E-08	7.23E-08	4.35E-08	-2.88E-08	3.68E-08	2.21E-08	-1.46E-08	7.23E-08	4.35E-08	-2.88E-08
4205	493863.1	3855877.3	1.64E-07	9.43E-08	-6.96E-08	6.22E-08	3.68E-08	-2.54E-08	3.16E-08	1.87E-08	-1.29E-08	6.22E-08	3.68E-08	-2.54E-08
4206	494363.1	3855877.3	1.42E-07	8.02E-08	-6.17E-08	5.38E-08	3.13E-08	-2.26E-08	2.74E-08	1.59E-08	-1.15E-08	5.38E-08	3.13E-08	-2.26E-08
4207	494863.1	3855877.3	1.27E-07	7.10E-08	-5.64E-08	4.83E-08	2.77E-08	-2.06E-08	2.46E-08	1.41E-08	-1.05E-08	4.83E-08	2.77E-08	-2.06E-08
4208	495363.1	3855877.3	1.13E-07	6.22E-08	-5.04E-08	4.27E-08	2.43E-08	-1.85E-08	2.17E-08	1.23E-08	-9.39E-09	4.27E-08	2.43E-08	-1.85E-08
4209	495863.1	3855877.3	1.11E-07	6.11E-08	-4.97E-08	4.20E-08	2.38E-08	-1.82E-08	2.14E-08	1.21E-08	-9.26E-09	4.20E-08	2.38E-08	-1.82E-08
4210	496363.1	3855877.3	1.09E-07	6.03E-08	-4.91E-08	4.15E-08	2.35E-08	-1.80E-08	2.11E-08	1.20E-08	-9.15E-09	4.15E-08	2.35E-08	-1.80E-08
4211	496863.1	3855877.3	1.10E-07	6.08E-08	-4.95E-08	4.19E-08	2.37E-08	-1.81E-08	2.13E-08	1.21E-08	-9.22E-09	4.19E-08	2.37E-08	-1.81E-08
4212	497363.1	3855877.3	1.12E-07	6.16E-08	-5.01E-08	4.24E-08	2.40E-08	-1.84E-08	2.15E-08	1.22E-08	-9.34E-09	4.24E-08	2.40E-08	-1.84E-08
4213	497863.1	3855877.3	1.14E-07	6.29E-08	-5.15E-08	4.34E-08	2.45E-08	-1.89E-08	2.21E-08	1.25E-08	-9.59E-09	4.34E-08	2.45E-08	-1.89E-08
4214	498363.1	3855877.3	1.20E-07	6.62E-08	-5.35E-08	4.54E-08	2.58E-08	-1.96E-08	2.31E-08	1.31E-08	-9.97E-09	4.54E-08	2.58E-08	-1.96E-08
4215	471363.1	3856377.3	5.94E-08	3.28E-08	-2.67E-08	2.26E-08	1.28E-08	-9.78E-09	1.15E-08	6.50E-09	-4.97E-09	2.26E-08	1.28E-08	-9.78E-09
4216	471863.1	3856377.3	6.08E-08	3.35E-08	-2.73E-08	2.31E-08	1.31E-08	-1.00E-08	1.17E-08	6.64E-09	-5.09E-09	2.31E-08	1.31E-08	-1.00E-08
4217	472363.1	3856377.3	6.35E-08	3.50E-08	-2.85E-08	2.41E-08	1.36E-08	-1.04E-08	1.23E-08	6.94E-09	-5.31E-09	2.41E-08	1.36E-08	-1.04E-08
4218	472863.1	3856377.3	6.57E-08	3.63E-08	-2.94E-08	2.49E-08	1.42E-08	-1.08E-08	1.27E-08	7.20E-09	-5.48E-09	2.49E-08	1.42E-08	-1.08E-08
4219	473363.1	3856377.3	6.80E-08	3.76E-08	-3.04E-08	2.58E-08	1.46E-08	-1.11E-08	1.31E-08	7.45E-09	-5.67E-09	2.58E-08	1.46E-08	-1.11E-08
4220	473863.1	3856377.3	7.16E-08	3.95E-08	-3.21E-08	2.72E-08	1.54E-08	-1.17E-08	1.38E-08	7.84E-09	-5.97E-09	2.72E-08	1.54E-08	-1.17E-08
4221	474363.1	3856377.3	7.12E-08	3.94E-08	-3.18E-08	2.70E-08	1.54E-08	-1.16E-08	1.37E-08	7.82E-09	-5.91E-09	2.70E-08	1.54E-08	-1.16E-08
4222	474863.1	3856377.3	6.89E-08	3.83E-08	-3.06E-08	2.61E-08	1.49E-08	-1.12E-08	1.33E-08	7.60E-09	-5.70E-09	2.61E-08	1.49E-08	-1.12E-08
4223	475363.1	3856377.3	6.39E-08	3.55E-08	-2.85E-08	2.43E-08	1.38E-08	-1.04E-08	1.23E-08	7.03E-09	-5.30E-09	2.43E-08	1.38E-08	-1.04E-08
4224	475863.1	3856377.3	5.81E-08	3.19E-08	-2.62E-08	2.20E-08	1.24E-08	-9.60E-09	1.12E-08	6.33E-09	-4.88E-09	2.20E-08	1.24E-08	-9.60E-09
4225	476363.1	3856377.3	5.81E-08	3.19E-08	-2.62E-08	2.20E-08	1.24E-08	-9.60E-09	1.12E-08	6.33E-09	-4.88E-09	2.20E-08	1.24E-08	-9.60E-09
4226	476863.1	3856377.3	5.99E-08	3.28E-08	-2.71E-08	2.27E-08	1.28E-08	-9.95E-09	1.16E-08	6.50E-09	-5.06E-09	2.27E-08	1.28E-08	-9.95E-09
4227	477363.1	3856377.3	6.30E-08	3.44E-08	-2.87E-08	2.39E-08	1.34E-08	-1.05E-08	1.22E-08	6.81E-09	-5.35E-09	2.39E-08	1.34E-08	-1.05E-08
4228	477863.1	3856377.3	6.17E-08	3.34E-08	-2.83E-08	2.34E-08	1.30E-08	-1.04E-08	1.19E-08	6.62E-09	-5.28E-09	2.34E-08	1.30E-08	-1.04E-08

4229	478363.1	3856377.3	6.26E-08	3.36E-08	-2.90E-08	2.37E-08	1.31E-08	-1.06E-08	1.21E-08	6.67E-09	-5.41E-09	2.37E-08	1.31E-08	-1.06E-08
4230	478863.1	3856377.3	7.57E-08	4.11E-08	-3.45E-08	2.87E-08	1.60E-08	-1.27E-08	1.46E-08	8.16E-09	-6.44E-09	2.87E-08	1.60E-08	-1.27E-08
4231	479363.1	3856377.3	8.33E-08	4.56E-08	-3.78E-08	3.16E-08	1.78E-08	-1.38E-08	1.61E-08	9.04E-09	-7.04E-09	3.16E-08	1.78E-08	-1.38E-08
4232	479863.1	3856377.3	9.77E-08	5.44E-08	-4.33E-08	3.71E-08	2.12E-08	-1.58E-08	1.89E-08	1.08E-08	-8.06E-09	3.71E-08	2.12E-08	-1.58E-08
4233	480363.1	3856377.3	1.15E-07	6.39E-08	-5.09E-08	4.36E-08	2.49E-08	-1.86E-08	2.22E-08	1.27E-08	-9.48E-09	4.36E-08	2.49E-08	-1.86E-08
4234	480863.1	3856377.3	1.33E-07	7.31E-08	-6.02E-08	5.06E-08	2.85E-08	-2.20E-08	2.57E-08	1.45E-08	-1.12E-08	5.06E-08	2.85E-08	-2.20E-08
4235	481363.1	3856377.3	1.59E-07	8.40E-08	-7.50E-08	6.03E-08	3.28E-08	-2.76E-08	3.07E-08	1.67E-08	-1.40E-08	6.03E-08	3.28E-08	-2.76E-08
4236	481863.1	3856377.3	1.94E-07	9.72E-08	-9.69E-08	7.36E-08	3.79E-08	-3.57E-08	3.74E-08	1.93E-08	-1.82E-08	7.36E-08	3.79E-08	-3.57E-08
4237	482363.1	3856377.3	2.26E-07	1.08E-07	-1.18E-07	8.56E-08	4.22E-08	-4.34E-08	4.35E-08	2.14E-08	-2.21E-08	8.56E-08	4.22E-08	-4.34E-08
4238	482863.1	3856377.3	2.66E-07	1.23E-07	-1.43E-07	1.01E-07	4.79E-08	-5.29E-08	5.13E-08	2.43E-08	-2.69E-08	1.01E-07	4.79E-08	-5.29E-08
4239	483363.1	3856377.3	3.27E-07	1.44E-07	-1.83E-07	1.24E-07	5.62E-08	-6.78E-08	6.31E-08	2.86E-08	-3.45E-08	1.24E-07	5.62E-08	-6.78E-08
4240	483863.1	3856377.3	4.53E-07	1.86E-07	-2.68E-07	1.72E-07	7.25E-08	-9.95E-08	8.75E-08	3.69E-08	-5.06E-08	1.72E-07	7.25E-08	-9.95E-08
4241	484363.1	3856377.3	8.34E-07	3.03E-07	-5.31E-07	3.16E-07	1.18E-07	-1.98E-07	1.61E-07	6.01E-08	-1.01E-07	3.16E-07	1.18E-07	-1.98E-07
4242	484863.1	3856377.3	8.57E-06	2.44E-06	-6.13E-06	3.25E-06	9.51E-07	-2.30E-06	1.65E-06	4.84E-07	-1.17E-06	3.25E-06	9.51E-07	-2.30E-06
4243	485363.1	3856377.3	2.39E-06	7.96E-07	-1.60E-06	9.08E-07	3.11E-07	-5.97E-07	4.62E-07	1.58E-07	-3.04E-07	9.08E-07	3.11E-07	-5.97E-07
4244	485863.1	3856377.3	1.15E-06	6.70E-07	-4.78E-07	4.35E-07	2.61E-07	-1.74E-07	2.21E-07	1.33E-07	-8.86E-08	4.35E-07	2.61E-07	-1.74E-07
4245	486363.1	3856377.3	7.00E-07	1.55E-06	8.50E-07	2.65E-07	6.05E-07	3.39E-07	1.35E-07	3.07E-07	1.72E-07	2.65E-07	6.05E-07	3.39E-07
4246	486863.1	3856377.3	5.71E-07	5.85E-07	1.46E-08	2.16E-07	2.28E-07	1.18E-08	1.10E-07	1.16E-07	5.98E-09	2.16E-07	2.28E-07	1.18E-08
4247	487363.1	3856377.3	5.01E-07	4.04E-07	-9.72E-08	1.90E-07	1.58E-07	-3.26E-08	9.67E-08	8.01E-08	-1.66E-08	1.90E-07	1.58E-07	-3.26E-08
4248	487863.1	3856377.3	4.60E-07	3.26E-07	-1.34E-07	1.75E-07	1.27E-07	-4.74E-08	8.88E-08	6.47E-08	-2.41E-08	1.75E-07	1.27E-07	-4.74E-08
4249	488363.1	3856377.3	4.23E-07	2.80E-07	-1.43E-07	1.60E-07	1.09E-07	-5.14E-08	8.16E-08	5.55E-08	-2.61E-08	1.60E-07	1.09E-07	-5.14E-08
4250	488863.1	3856377.3	3.90E-07	2.47E-07	-1.43E-07	1.48E-07	9.62E-08	-5.17E-08	7.52E-08	4.89E-08	-2.63E-08	1.48E-07	9.62E-08	-5.17E-08
4251	489363.1	3856377.3	3.62E-07	2.22E-07	-1.39E-07	1.37E-07	8.66E-08	-5.06E-08	6.98E-08	4.41E-08	-2.57E-08	1.37E-07	8.66E-08	-5.06E-08
4252	489863.1	3856377.3	3.37E-07	2.02E-07	-1.34E-07	1.28E-07	7.90E-08	-4.88E-08	6.50E-08	4.02E-08	-2.48E-08	1.28E-07	7.90E-08	-4.88E-08
4253	490363.1	3856377.3	3.13E-07	1.86E-07	-1.27E-07	1.19E-07	7.24E-08	-4.61E-08	6.03E-08	3.68E-08	-2.35E-08	1.19E-07	7.24E-08	-4.61E-08
4254	490863.1	3856377.3	2.91E-07	1.72E-07	-1.19E-07	1.10E-07	6.70E-08	-4.33E-08	5.61E-08	3.41E-08	-2.20E-08	1.10E-07	6.70E-08	-4.33E-08
4255	491363.1	3856377.3	2.75E-07	1.61E-07	-1.14E-07	1.04E-07	6.29E-08	-4.15E-08	5.31E-08	3.20E-08	-2.11E-08	1.04E-07	6.29E-08	-4.15E-08
4256	491863.1	3856377.3	2.60E-07	1.51E-07	-1.09E-07	9.86E-08	5.90E-08	-3.96E-08	5.01E-08	3.00E-08	-2.01E-08	9.86E-08	5.90E-08	-3.96E-08
4257	492363.1	3856377.3	2.42E-07	1.41E-07	-1.01E-07	9.17E-08	5.49E-08	-3.69E-08	4.67E-08	2.79E-08	-1.87E-08	9.17E-08	5.49E-08	-3.69E-08
4258	492863.1	3856377.3	2.15E-07	1.25E-07	-8.96E-08	8.15E-08	4.88E-08	-3.27E-08	4.14E-08	2.48E-08	-1.66E-08	8.15E-08	4.88E-08	-3.27E-08
4259	493363.1	3856377.3	1.75E-07	1.00E-07	-7.48E-08	6.65E-08	3.91E-08	-2.73E-08	3.38E-08	1.99E-08	-1.39E-08	6.65E-08	3.91E-08	-2.73E-08
4260	493863.1	3856377.3	1.58E-07	8.90E-08	-6.86E-08	5.98E-08	3.47E-08	-2.51E-08	3.04E-08	1.77E-08	-1.28E-08	5.98E-08	3.47E-08	-2.51E-08
4261	494363.1	3856377.3	1.39E-07	7.71E-08	-6.16E-08	5.26E-08	3.01E-08	-2.26E-08	2.68E-08	1.53E-08	-1.15E-08	5.26E-08	3.01E-08	-2.26E-08
4262	494863.1	3856377.3	1.24E-07	6.85E-08	-5.58E-08	4.72E-08	2.67E-08	-2.05E-08	2.40E-08	1.36E-08	-1.04E-08	4.72E-08	2.67E-08	-2.05E-08
4263	495363.1	3856377.3	1.15E-07	6.32E-08	-5.21E-08	4.37E-08	2.46E-08	-1.91E-08	2.22E-08	1.25E-08	-9.71E-09	4.37E-08	2.46E-08	-1.91E-08
4264	495863.1	3856377.3	1.13E-07	6.19E-08	-5.11E-08	4.29E-08	2.42E-08	-1.87E-08	2.18E-08	1.23E-08	-9.52E-09	4.29E-08	2.42E-08	-1.87E-08
4265	496363.1	3856377.3	1.13E-07	6.19E-08	-5.11E-08	4.29E-08	2.42E-08	-1.87E-08	2.18E-08	1.23E-08	-9.52E-09	4.29E-08	2.42E-08	-1.87E-08
4266	496863.1	3856377.3	1.15E-07	6.33E-08	-5.20E-08	4.37E-08	2.47E-08	-1.91E-08	2.22E-08	1.26E-08	-9.69E-09	4.37E-08	2.47E-08	-1.91E-08
4267	497363.1	3856377.3	1.18E-07	6.48E-08	-5.32E-08	4.48E-08	2.53E-08	-1.95E-08	2.28E-08	1.28E-08	-9.92E-09	4.48E-08	2.53E-08	-1.95E-08
4268	497863.1	3856377.3	1.22E-07	6.70E-08	-5.46E-08	4.61E-08	2.61E-08	-2.00E-08	2.35E-08	1.33E-08	-1.02E-08	4.61E-08	2.61E-08	-2.00E-08
4269	498363.1	3856377.3	1.27E-07	6.99E-08	-5.66E-08	4.80E-08	2.73E-08	-2.07E-08	2.44E-08	1.39E-08	-1.05E-08	4.80E-08	2.73E-08	-2.07E-08
4270	471363.1	3856877.3	5.76E-08	3.18E-08	-2.59E-08	2.19E-08	1.24E-08	-9.48E-09	1.11E-08	6.30E-09	-4.82E-09	2.19E-08	1.24E-08	-9.48E-09
4271	471863.1	3856877.3	5.85E-08	3.24E-08	-2.62E-08	2.22E-08	1.26E-08	-9.58E-09	1.13E-08	6.42E-09	-4.87E-09	2.22E-08	1.26E-08	-9.58E-09
4272	472363.1	3856877.3	6.03E-08	3.34E-08	-2.70E-08	2.29E-08	1.30E-08	-9.88E-09	1.16E-08	6.62E-09	-5.02E-09	2.29E-08	1.30E-08	-9.88E-09
4273	472863.1	3856877.3	6.21E-08	3.44E-08	-2.78E-08	2.36E-08	1.34E-08	-1.02E-08	1.20E-08	6.81E-09	-5.18E-09	2.36E-08	1.34E-08	-1.02E-08
4274	473363.1	3856877.3	6.57E-08	3.63E-08	-2.94E-08	2.49E-08	1.42E-08	-1.08E-08	1.27E-08	7.20E-09	-5.48E-09	2.49E-08	1.42E-08	-1.08E-08
4275	473863.1	3856877.3	6.80E-08	3.76E-08	-3.04E-08	2.58E-08	1.46E-08	-1.11E-08	1.31E-08	7.45E-09	-5.67E-09	2.58E-08	1.46E-08	-1.11E-08
4276	474363.1	3856877.3	6.80E-08	3.77E-08	-3.03E-08	2.58E-08	1.47E-08	-1.11E-08	1.31E-08	7.47E-09	-5.65E-09	2.58E-08	1.47E-08	-1.11E-08
4277	474863.1	3856877.3	6.62E-08	3.68E-08	-2.94E-08	2.51E-08	1.44E-08	-1.08E-08	1.28E-08	7.30E-09	-5.47E-09	2.51E-08	1.44E-08	-1.08E-08
4278	475363.1	3856877.3	6.30E-08	3.51E-08	-2.80E-08	2.39E-08	1.37E-08	-1.02E-08	1.22E-08	6.96E-09	-5.20E-09	2.39E-08	1.37E-08	-1.02E-08
4279	475863.1	3856877.3	6.35E-08	3.52E-08	-2.83E-08	2.41E-08	1.37E-08	-1.04E-08	1.23E-08	6.99E-09	-5.27E-09	2.41E-08	1.37E-08	-1.04E-08
4280	476363.1	3856877.3	6.12E-08	3.39E-08	-2.74E-08	2.32E-08	1.32E-08	-1.00E-08	1.18E-08	6.72E-09	-5.10E-09	2.32E-08	1.32E-08	-1.00E-08
4281	476863.1	3856877.3	6.17E-08	3.40E-08	-2.77E-08	2.34E-08	1.33E-08	-1.02E-08	1.19E-08	6.74E-09	-5.16E-09	2.34E-08	1.33E-08	-1.02E-08
4282	477363.1	3856877.3	6.12E-08	3.36E-08	-2.76E-08	2.32E-08	1.31E-08	-1.01E-08	1.18E-08	6.67E-09	-5.15E-09	2.32E-08	1.31E-08	-1.01E-08
4283	477863.1	3856877.3	5.81E-08	3.15E-08	-2.66E-08	2.20E-08	1.23E-08	-9.74E-09	1.12E-08	6.25E-09	-4.96E-09	2.20E-08	1.23E-08	-9.74E-09
4284	478363.1	3856877.3	5.85E-08	3.15E-08	-2.70E-08	2.22E-08	1.23E-08	-9.92E-09	1.13E-08	6.25E-09	-5.04E-09	2.22E-08	1.23E-08	-9.92E-09
4285	478863.1	3856877.3	6.39E-08	3.45E-08	-2.95E-08	2.43E-08	1.34E-08	-1.08E-08	1.23E-08	6.84E-09	-5.50E-09	2.43E-08	1.34E-08	-1.08E-08
4286	479363.1	3856877.3	7.03E-08	3.82E-08	-3.21E-08	2.67E-08	1.49E-08	-1.18E-08	1.36E-08	7.57E-09	-5.98E-09	2.67E-08	1.49E-08	-1.18E-08
4287	479863.1	3856877.3	9.01E-08	5.02E-08	-3.98E-08	3.42E-08	1.96E-08	-1.46E-08	1.74E-08	9.96E-09	-7.41E-09	3.42E-08	1.96E-08	-1.46E-08
4288	480363.1	3856877.3	1.08E-07	6.00E-08	-4.77E-08	4.08E-08	2.34E-08	-1.74E-08	2.08E-08	1.19E-08	-8.87E-09	4.08E-08	2.34E-08	-1.74E-08
4289	480863.1	3856877.3	1.30E-07	7.03E-08	-5.94E-08	4.92E-08	2.74E-08	-2.18E-08	2.50E-08	1.39E-08	-1.11E-08	4.92E-08	2.74E-08	-2.18E-08
4290	481363.1	3856877.3	1.51E-07	7.88E-08	-7.21E-08	5.72E-08	3.07E-08	-2.65E-08	2.91E-08	1.56E-08	-1.35E-08	5.72E-08	3.07E-08	-2.65E-08
4291	481863.1	3856877.3	1.68E-07	8.59E-08	-8.20E-08	6.37E-08	3.35E-08	-3.02E-08	3.24E-08	1.70E-08	-1.54E-08	6.37E-08	3.35E-08	-3.02E-08
4292	482363.1	3856877.3	1.98E-07	9.64E-08	-1.01E-07	7.50E-08	3.76E-08	-3.74E-08	3.81E-08	1.91E-08	-1.90E-08	7.50E-08	3.76E-08	-3.74E-08
4293	482863.1	3856877.3	2.24E-07	1.07E-07	-1.17E-07	8.49E-08	4.15E-08	-4.34E-08	4.32E-08	2.11E-08	-2.21E-08	8.49E-08	4.15E-08	-4.34E-08
4294	483363.1	3856877.3	2.59E-07	1.20E-07	-1.39E-07	9.82E-08	4.68E-08	-5.15E-08	5.00E-08	2.38E-08	-2.62E-08	9.82E-08	4.68E-08	-5.15E-08
4295	483863.1	3856877.3	3.15E-07	1.40E-07	-1.75E-07	1.19E-07	5.47E-08	-6.48E-08	6.07E-08	2.78E-08	-3.29E-08	1.19E-07	5.47E-08	-6.48E-08
4296	484363.1	3856877.3	4.30E-07	1.79E-07	-2.51E-07	1.63E-07	6.98E-08	-9.32E-08	8.29E-08	3.55E-08	-4.74E-08	1.63E-07	6.98E-08	-9.32E-08
4297	484863.1	3856877.3	6.94E-07	2.63E-07	-4.31E-07	2.63E-07	1.03E-07	-1.61E-07	1.34E-07	5.21E-08	-8.17E-08	2.63E-07	1.03E-07	-1.61E-07
4298	485363.1	3856877.3	2.59E-06	8.03E-07	-1.79E-06	9.84E-07	3.13E-07	-6.71E-07	5.00E-07	1.59E-07	-3.41E-07	9.84E-07	3.13E-07	-6.71E-07
4299	485863.1	3856877.3	3.38E-06	1.06E-06	-2.32E-06	1.28E-06	4.14E-07	-8.69E-07	6.52E-07	2.10E-07	-4.42E-07	1.28E-06	4.14E-07	-8.69E-07
4300	486363.1	3856877.3	1.11E-06	6.40E-07	-4.71E-07	4.21E-07	2.50E-07	-1.72E-07	2.14E-07	1.27E-07	-8.73E-08	4.21E-07	2.50E-07	-1.72E-07
4301	486863.1	3856877.3	8.02E-07	1.80E-06	9.95E-07	3.04E-07	7.01E-07	3.97E-07	1.55E-07	3.56E-07	2.02E-07	3.04E-07	7.01E-07	3.97E-07
4302	487363.1	3856877.3	6.67E-07	6.27E-07	-3.90E-08	2.53E-07	2.45E-07	-8.11E-09	1.29E-07	1.24E-07	-4.13E-09	2.53E-07	2.45E-07	-8.11E-09
4303	487863.1	3856877.3	5.80E-07	4.30E-07	-1.50E-07	2.20E-07	1.68E-07	-5.22E-08	1.12E-07	8.53E-08	-2.65E-08	2.20E-07	1.68E-07	-5.22E-08
4304	488363.1	3856877.3	5.22E-07	3.44E-07	-1.78E-07	1.98E-07	1.34E-07	-6.38E-08	1.01E-07	6.83E-08	-3.24E-08	1.98E-07	1.34E-07	-6.38E-08
4305	488863.1	3856877.3	4.71E-07	2.93E-07	-1.78E-07	1.79E-07	1.14E-07	-6.45E-08	9.09E-08	5.81E-08	-3.28E-08	1.79E-07	1.14E-07	-6.45E-08
4306	489363.1	3856877.3	4.31E-07	2.59E-07	-1.73E-07	1.64E-07	1.01E-07	-6.28E-08	8.32E-08	5.13E-08	-3.19E-08	1.64E-07	1.01E-07	-6.28E-08
4307	489863.1	3856877.3	3.95E-07	2.32E-07	-1.63E-07	1.50E-07	9.04E-08	-5.94E-08	7.62E-08	4.60E-08	-3.02E-08	1.50E-07	9.04E-08	-5.94E-08
4308	490363.1	3856877.3	3.60E-07	2.09E-07	-1.51E-07	1.37E-07	8.16E-08	-5.49E-08	6.94E-08	4.15E-08	-2.79E-08	1.37E-07	8.16E-08	-5.49E-08
4309	490863.1	3856877.3	3.31E-07	1.91E-07	-1.40E-07	1.26E-07	7.44E-08	-5.12E-08	6.39E-08	3.78E-08	-2.60E-08	1.26E-07	7.44E-08	-5.12E-08
4310	491363.1	3856877.3	3.06E-07	1.75E-07	-1.31E-07	1.16E-07	6.83E-08	-4.78E-08	5.91E-08	3.48E-08	-2.43E-08	1.16E-07	6.83E-08	-4.78E-08
4311	491863.1	3856877.3	2.83E-07	1.61E-07	-1.21E-07	1.07E-07	6.30E-08	-4.43E-08	5.46E-08	3.20E-08	-2.25E-08	1.07E-07	6.30E-08	-4.43E-08
4312	492363.1	3856877.3	2.40E-07	1.38E-07	-1.02E-07	9.11E-08	5.39E-08	-3.71E-08	4.63E-08	2.74E-08	-1.89E-08	9.11E-08	5.39E-08	-3.71E-08
4313	492863.1	3856877.3	2.10E-07	1.20E-07	-8.99E-08	7.98E-08	4.70E-08	-3.28E-08	4.06E-08	2.39E-08	-1.67E-08	7.98E-08	4.70E-08	-3.28E-08
4314	493363.1	3856877.3	1.83E-07	1.03E-07	-7.97E-08	6.94E-08	4.02E-08	-2.91E-08	3.53E-08	2.05E-08	-1.48E-08	6.94E-08	4.02E-08	-2.91E-08
4315	493863.1	3856877.3	1.57E-07	8.71E-08	-6.97E-08	5.95E-08	3.40E-08	-2.55E-08	3.02E-08	1.73E-08	-1.30E-08	5.95E-08	3.40E-08	-2.55E-08
4316	494363.1	3856877.3	1.38E-07	7.59E-08	-6.24E-08	5.24E-08	2.96E-08	-2.29E-08	2.67E-08	1.50E-08	-1.16E-08	5.24E-08	2.96E-08	-2.29E-08
4317	494863.1	3856877.3	1.29E-07	7.06E-08	-5.87E-08	4.90E-08	2.75E-08	-2.15E-08	2.49E-08	1.40E-08	-1.09E-08	4.90E-08	2.75E-08	-2.15E-08
4318	495363.1	3856877.3	1.24E-07	6.75E-08	-5.64E-08	4.70E-08	2.63E-08	-2.07E-08	2.39E-08	1.34E-08	-1.05E-08	4.70E-08	2.63E-08	-2.07E-08
4319	495863.1	3856877.3	1.22E-07	6.66E-08	-5.54E-08	4.63E-08	2.60E-08	-2.03E-08	2.35E-08	1.32E-08	-1.03E-08	4.63E-08	2.60E-08	-2.03E-08
4320	496363.1	3856877.3	1.21E-07	6.61E-08	-5.50E-08	4.60E-08	2.58E-08	-2.02E-08	2.34E-08	1.31E-08	-1.03E-08	4.60E-08	2.58E-08	-2.02E-08
4321	496863.1	3856877.3	1.22E-07	6.69E-08	-5.56E-08	4.65E-08	2.61E-08	-2.04E-08	2.36E-08	1.33E-08	-1.04E-08	4.65E-08	2.61E-08	-2.04E-08
4322	497363.1	3856877.3	1.25E-07	6.85E-08	-5.67E-08	4.75E-08	2.67E-08	-2.08E-08	2.42E-08	1.36E-08	-1.06E-08	4.75E-08	2.67E-08	-2.08E-08

4323	497863.1	3856877.3	1.31E-07	7.19E-08	-5.91E-08	4.97E-08	2.80E-08	-2.17E-08	2.53E-08	1.43E-08	-1.10E-08	4.97E-08	2.80E-08	-2.17E-08
4324	498363.1	3856877.3	1.38E-07	7.60E-08	-6.18E-08	5.23E-08	2.96E-08	-2.26E-08	2.66E-08	1.51E-08	-1.15E-08	5.23E-08	2.96E-08	-2.26E-08
4325	471363.1	3857377.3	5.63E-08	3.12E-08	-2.51E-08	2.14E-08	1.22E-08	-9.21E-09	1.09E-08	6.18E-09	-4.68E-09	2.14E-08	1.22E-08	-9.21E-09
4326	471863.1	3857377.3	5.72E-08	3.16E-08	-2.55E-08	2.17E-08	1.23E-08	-9.35E-09	1.10E-08	6.28E-09	-4.76E-09	2.17E-08	1.23E-08	-9.35E-09
4327	472363.1	3857377.3	5.85E-08	3.24E-08	-2.62E-08	2.22E-08	1.26E-08	-9.58E-09	1.13E-08	6.42E-09	-4.87E-09	2.22E-08	1.26E-08	-9.58E-09
4328	472863.1	3857377.3	6.03E-08	3.34E-08	-2.70E-08	2.29E-08	1.30E-08	-9.88E-09	1.16E-08	6.62E-09	-5.02E-09	2.29E-08	1.30E-08	-9.88E-09
4329	473363.1	3857377.3	6.26E-08	3.46E-08	-2.80E-08	2.37E-08	1.35E-08	-1.03E-08	1.21E-08	6.86E-09	-5.21E-09	2.37E-08	1.35E-08	-1.03E-08
4330	473863.1	3857377.3	6.57E-08	3.62E-08	-2.95E-08	2.49E-08	1.41E-08	-1.08E-08	1.27E-08	7.18E-09	-5.50E-09	2.49E-08	1.41E-08	-1.08E-08
4331	474363.1	3857377.3	6.39E-08	3.53E-08	-2.86E-08	2.43E-08	1.38E-08	-1.05E-08	1.23E-08	7.01E-09	-5.33E-09	2.43E-08	1.38E-08	-1.05E-08
4332	474863.1	3857377.3	5.81E-08	3.24E-08	-2.57E-08	2.20E-08	1.26E-08	-9.41E-09	1.12E-08	6.42E-09	-4.78E-09	2.20E-08	1.26E-08	-9.41E-09
4333	475363.1	3857377.3	5.27E-08	2.91E-08	-2.36E-08	2.00E-08	1.13E-08	-8.65E-09	1.02E-08	5.76E-09	-4.40E-09	2.00E-08	1.13E-08	-8.65E-09
4334	475863.1	3857377.3	5.22E-08	2.88E-08	-2.34E-08	1.98E-08	1.12E-08	-8.58E-09	1.01E-08	5.72E-09	-4.36E-09	1.98E-08	1.12E-08	-8.58E-09
4335	476363.1	3857377.3	5.72E-08	3.15E-08	-2.57E-08	2.17E-08	1.23E-08	-9.40E-09	1.10E-08	6.25E-09	-4.78E-09	2.17E-08	1.23E-08	-9.40E-09
4336	476863.1	3857377.3	5.94E-08	3.28E-08	-2.67E-08	2.26E-08	1.28E-08	-9.78E-09	1.15E-08	6.50E-09	-4.97E-09	2.26E-08	1.28E-08	-9.78E-09
4337	477363.1	3857377.3	5.90E-08	3.24E-08	-2.66E-08	2.24E-08	1.26E-08	-9.75E-09	1.14E-08	6.42E-09	-4.96E-09	2.24E-08	1.26E-08	-9.75E-09
4338	477863.1	3857377.3	5.72E-08	3.12E-08	-2.60E-08	2.17E-08	1.22E-08	-9.55E-09	1.10E-08	6.18E-09	-4.85E-09	2.17E-08	1.22E-08	-9.55E-09
4339	478363.1	3857377.3	5.58E-08	3.00E-08	-2.58E-08	2.12E-08	1.17E-08	-9.47E-09	1.08E-08	5.96E-09	-4.81E-09	2.12E-08	1.17E-08	-9.47E-09
4340	478863.1	3857377.3	5.49E-08	2.96E-08	-2.54E-08	2.08E-08	1.15E-08	-9.32E-09	1.06E-08	5.86E-09	-4.74E-09	2.08E-08	1.15E-08	-9.32E-09
4341	479363.1	3857377.3	6.35E-08	3.44E-08	-2.91E-08	2.41E-08	1.34E-08	-1.07E-08	1.23E-08	6.81E-09	-5.44E-09	2.41E-08	1.34E-08	-1.07E-08
4342	479863.1	3857377.3	8.11E-08	4.52E-08	-3.59E-08	3.08E-08	1.76E-08	-1.31E-08	1.56E-08	8.96E-09	-6.68E-09	3.08E-08	1.76E-08	-1.31E-08
4343	480363.1	3857377.3	7.97E-08	4.40E-08	-3.58E-08	3.02E-08	1.71E-08	-1.31E-08	1.54E-08	8.72E-09	-6.66E-09	3.02E-08	1.71E-08	-1.31E-08
4344	480863.1	3857377.3	1.22E-07	6.59E-08	-5.57E-08	4.61E-08	2.57E-08	-2.04E-08	2.35E-08	1.31E-08	-1.04E-08	4.61E-08	2.57E-08	-2.04E-08
4345	481363.1	3857377.3	1.27E-07	6.88E-08	-5.82E-08	4.82E-08	2.68E-08	-2.13E-08	2.45E-08	1.37E-08	-1.08E-08	4.82E-08	2.68E-08	-2.13E-08
4346	481863.1	3857377.3	1.45E-07	7.67E-08	-6.87E-08	5.52E-08	2.99E-08	-2.53E-08	2.81E-08	1.52E-08	-1.28E-08	5.52E-08	2.99E-08	-2.53E-08
4347	482363.1	3857377.3	1.74E-07	8.71E-08	-8.72E-08	6.61E-08	3.40E-08	-3.22E-08	3.36E-08	1.73E-08	-1.64E-08	6.61E-08	3.40E-08	-3.22E-08
4348	482863.1	3857377.3	1.94E-07	9.43E-08	-9.93E-08	7.35E-08	3.68E-08	-3.67E-08	3.74E-08	1.87E-08	-1.87E-08	7.35E-08	3.68E-08	-3.67E-08
4349	483363.1	3857377.3	2.16E-07	1.03E-07	-1.13E-07	8.20E-08	4.03E-08	-4.17E-08	4.17E-08	2.05E-08	-2.12E-08	8.20E-08	4.03E-08	-4.17E-08
4350	483863.1	3857377.3	2.50E-07	1.17E-07	-1.33E-07	9.50E-08	4.56E-08	-4.94E-08	4.83E-08	2.32E-08	-2.51E-08	9.50E-08	4.56E-08	-4.94E-08
4351	484363.1	3857377.3	3.03E-07	1.37E-07	-1.67E-07	1.15E-07	5.33E-08	-6.17E-08	5.85E-08	2.71E-08	-3.14E-08	1.15E-07	5.33E-08	-6.17E-08
4352	484863.1	3857377.3	4.00E-07	1.71E-07	-2.29E-07	1.52E-07	6.67E-08	-8.50E-08	7.72E-08	3.39E-08	-4.32E-08	1.52E-07	6.67E-08	-8.50E-08
4353	485363.1	3857377.3	5.95E-07	2.35E-07	-3.60E-07	2.26E-07	9.17E-08	-1.34E-07	1.15E-07	4.66E-08	-6.82E-08	2.26E-07	9.17E-08	-1.34E-07
4354	485863.1	3857377.3	1.41E-06	4.76E-07	-9.36E-07	5.36E-07	1.86E-07	-3.50E-07	2.72E-07	9.45E-08	-1.78E-07	5.36E-07	1.86E-07	-3.50E-07
4355	486363.1	3857377.3	5.12E-06	1.53E-06	-3.59E-06	1.94E-06	5.98E-07	-1.34E-06	9.88E-07	3.04E-07	-6.84E-07	1.94E-06	5.98E-07	-1.34E-06
4356	486863.1	3857377.3	1.41E-06	6.94E-07	-7.15E-07	5.34E-07	2.71E-07	-2.64E-07	2.72E-07	1.38E-07	-1.34E-07	5.34E-07	2.71E-07	-2.64E-07
4357	487363.1	3857377.3	1.00E-06	2.15E-06	1.15E-06	3.80E-07	8.38E-07	4.58E-07	1.93E-07	4.26E-07	2.33E-07	3.80E-07	8.38E-07	4.58E-07
4358	487863.1	3857377.3	8.15E-07	6.84E-07	-1.31E-07	3.09E-07	2.67E-07	-4.25E-08	1.57E-07	1.36E-07	-2.16E-08	3.09E-07	2.67E-07	-4.25E-08
4359	488363.1	3857377.3	6.87E-07	4.64E-07	-2.23E-07	2.61E-07	1.81E-07	-7.95E-08	1.32E-07	9.21E-08	-4.04E-08	2.61E-07	1.81E-07	-7.95E-08
4360	488863.1	3857377.3	5.99E-07	3.68E-07	-2.31E-07	2.27E-07	1.44E-07	-8.38E-08	1.16E-07	7.30E-08	-4.26E-08	2.27E-07	1.44E-07	-8.38E-08
4361	489363.1	3857377.3	5.31E-07	3.11E-07	-2.20E-07	2.01E-07	1.21E-07	-8.02E-08	1.02E-07	6.17E-08	-4.08E-08	2.01E-07	1.21E-07	-8.02E-08
4362	489863.1	3857377.3	4.72E-07	2.70E-07	-2.02E-07	1.79E-07	1.05E-07	-7.36E-08	9.10E-08	5.35E-08	-3.74E-08	1.79E-07	1.05E-07	-7.36E-08
4363	490363.1	3857377.3	4.24E-07	2.40E-07	-1.84E-07	1.61E-07	9.36E-08	-6.74E-08	8.18E-08	4.76E-08	-3.43E-08	1.61E-07	9.36E-08	-6.74E-08
4364	490863.1	3857377.3	3.85E-07	2.16E-07	-1.69E-07	1.46E-07	8.43E-08	-6.20E-08	7.44E-08	4.29E-08	-3.15E-08	1.46E-07	8.43E-08	-6.20E-08
4365	491363.1	3857377.3	3.54E-07	1.97E-07	-1.57E-07	1.34E-07	7.67E-08	-5.74E-08	6.82E-08	3.90E-08	-2.92E-08	1.34E-07	7.67E-08	-5.74E-08
4366	491863.1	3857377.3	3.14E-07	1.75E-07	-1.39E-07	1.19E-07	6.83E-08	-5.07E-08	6.06E-08	3.48E-08	-2.58E-08	1.19E-07	6.83E-08	-5.07E-08
4367	492363.1	3857377.3	2.49E-07	1.41E-07	-1.09E-07	9.46E-08	5.49E-08	-3.97E-08	4.81E-08	2.79E-08	-2.02E-08	9.46E-08	5.49E-08	-3.97E-08
4368	492863.1	3857377.3	2.06E-07	1.15E-07	-9.11E-08	7.82E-08	4.49E-08	-3.33E-08	3.98E-08	2.28E-08	-1.70E-08	7.82E-08	4.49E-08	-3.33E-08
4369	493363.1	3857377.3	1.76E-07	9.68E-08	-7.93E-08	6.68E-08	3.77E-08	-2.91E-08	3.40E-08	1.92E-08	-1.48E-08	6.68E-08	3.77E-08	-2.91E-08
4370	493863.1	3857377.3	1.63E-07	8.90E-08	-7.40E-08	6.18E-08	3.47E-08	-2.71E-08	3.15E-08	1.77E-08	-1.38E-08	6.18E-08	3.47E-08	-2.71E-08
4371	494363.1	3857377.3	1.50E-07	8.18E-08	-6.87E-08	5.71E-08	3.19E-08	-2.52E-08	2.90E-08	1.62E-08	-1.28E-08	5.71E-08	3.19E-08	-2.52E-08
4372	494863.1	3857377.3	1.44E-07	7.81E-08	-6.56E-08	5.45E-08	3.04E-08	-2.41E-08	2.77E-08	1.55E-08	-1.22E-08	5.45E-08	3.04E-08	-2.41E-08
4373	495363.1	3857377.3	1.38E-07	7.50E-08	-6.33E-08	5.24E-08	2.92E-08	-2.32E-08	2.67E-08	1.49E-08	-1.18E-08	5.24E-08	2.92E-08	-2.32E-08
4374	495863.1	3857377.3	1.36E-07	7.39E-08	-6.21E-08	5.16E-08	2.88E-08	-2.28E-08	2.62E-08	1.47E-08	-1.16E-08	5.16E-08	2.88E-08	-2.28E-08
4375	496363.1	3857377.3	1.35E-07	7.33E-08	-6.14E-08	5.11E-08	2.86E-08	-2.25E-08	2.60E-08	1.45E-08	-1.14E-08	5.11E-08	2.86E-08	-2.25E-08
4376	496863.1	3857377.3	1.34E-07	7.31E-08	-6.11E-08	5.09E-08	2.85E-08	-2.24E-08	2.59E-08	1.45E-08	-1.14E-08	5.09E-08	2.85E-08	-2.24E-08
4377	497363.1	3857377.3	1.36E-07	7.42E-08	-6.18E-08	5.16E-08	2.90E-08	-2.26E-08	2.62E-08	1.47E-08	-1.15E-08	5.16E-08	2.90E-08	-2.26E-08
4378	497863.1	3857377.3	1.40E-07	7.67E-08	-6.33E-08	5.31E-08	2.99E-08	-2.32E-08	2.70E-08	1.52E-08	-1.18E-08	5.31E-08	2.99E-08	-2.32E-08
4379	498363.1	3857377.3	1.52E-07	8.39E-08	-6.84E-08	5.77E-08	3.27E-08	-2.50E-08	2.94E-08	1.66E-08	-1.27E-08	5.77E-08	3.27E-08	-2.50E-08
4380	471363.1	3857877.3	5.45E-08	3.00E-08	-2.44E-08	2.07E-08	1.17E-08	-8.95E-09	1.05E-08	5.96E-09	-4.55E-09	2.07E-08	1.17E-08	-8.95E-09
4381	471863.1	3857877.3	5.54E-08	3.05E-08	-2.49E-08	2.10E-08	1.19E-08	-9.10E-09	1.07E-08	6.06E-09	-4.63E-09	2.10E-08	1.19E-08	-9.10E-09
4382	472363.1	3857877.3	5.67E-08	3.13E-08	-2.55E-08	2.15E-08	1.22E-08	-9.33E-09	1.09E-08	6.20E-09	-4.74E-09	2.15E-08	1.22E-08	-9.33E-09
4383	472863.1	3857877.3	5.90E-08	3.25E-08	-2.65E-08	2.24E-08	1.27E-08	-9.70E-09	1.14E-08	6.45E-09	-4.93E-09	2.24E-08	1.27E-08	-9.70E-09
4384	473363.1	3857877.3	6.03E-08	3.34E-08	-2.70E-08	2.29E-08	1.30E-08	-9.88E-09	1.16E-08	6.62E-09	-5.02E-09	2.29E-08	1.30E-08	-9.88E-09
4385	473863.1	3857877.3	6.30E-08	3.47E-08	-2.83E-08	2.39E-08	1.35E-08	-1.04E-08	1.22E-08	6.89E-09	-5.28E-09	2.39E-08	1.35E-08	-1.04E-08
4386	474363.1	3857877.3	6.03E-08	3.35E-08	-2.69E-08	2.29E-08	1.31E-08	-9.83E-09	1.16E-08	6.64E-09	-5.00E-09	2.29E-08	1.31E-08	-9.83E-09
4387	474863.1	3857877.3	5.45E-08	3.03E-08	-2.42E-08	2.07E-08	1.18E-08	-8.86E-09	1.05E-08	6.01E-09	-4.50E-09	2.07E-08	1.18E-08	-8.86E-09
4388	475363.1	3857877.3	4.64E-08	2.55E-08	-2.09E-08	1.76E-08	9.94E-09	-7.66E-09	8.95E-09	5.06E-09	-3.89E-09	1.76E-08	9.94E-09	-7.66E-09
4389	475863.1	3857877.3	3.92E-08	2.13E-08	-1.79E-08	1.49E-08	8.31E-09	-6.56E-09	7.56E-09	4.23E-09	-3.33E-09	1.49E-08	8.31E-09	-6.56E-09
4390	476363.1	3857877.3	4.91E-08	2.70E-08	-2.21E-08	1.86E-08	1.05E-08	-8.10E-09	9.47E-09	5.35E-09	-4.12E-09	1.86E-08	1.05E-08	-8.10E-09
4391	476863.1	3857877.3	5.31E-08	2.93E-08	-2.38E-08	2.02E-08	1.14E-08	-8.73E-09	1.03E-08	5.81E-09	-4.44E-09	2.02E-08	1.14E-08	-8.73E-09
4392	477363.1	3857877.3	5.45E-08	2.99E-08	-2.46E-08	2.07E-08	1.17E-08	-9.00E-09	1.05E-08	5.93E-09	-4.58E-09	2.07E-08	1.17E-08	-9.00E-09
4393	477863.1	3857877.3	5.54E-08	3.04E-08	-2.50E-08	2.10E-08	1.19E-08	-9.15E-09	1.07E-08	6.03E-09	-4.65E-09	2.10E-08	1.19E-08	-9.15E-09
4394	478363.1	3857877.3	5.09E-08	2.75E-08	-2.34E-08	1.93E-08	1.07E-08	-8.60E-09	9.82E-09	5.45E-09	-4.37E-09	1.93E-08	1.07E-08	-8.60E-09
4395	478863.1	3857877.3	5.00E-08	2.70E-08	-2.30E-08	1.90E-08	1.05E-08	-8.45E-09	9.64E-09	5.35E-09	-4.30E-09	1.90E-08	1.05E-08	-8.45E-09
4396	479363.1	3857877.3	7.43E-08	4.16E-08	-3.27E-08	2.82E-08	1.62E-08	-1.20E-08	1.43E-08	8.26E-09	-6.08E-09	2.82E-08	1.62E-08	-1.20E-08
4397	479863.1	3857877.3	9.41E-08	5.23E-08	-4.18E-08	3.57E-08	2.04E-08	-1.53E-08	1.82E-08	1.04E-08	-7.78E-09	3.57E-08	2.04E-08	-1.53E-08
4398	480363.1	3857877.3	1.07E-07	5.82E-08	-4.89E-08	4.07E-08	2.27E-08	-1.79E-08	2.07E-08	1.16E-08	-9.13E-09	4.07E-08	2.27E-08	-1.79E-08
4399	480863.1	3857877.3	1.13E-07	6.13E-08	-5.17E-08	4.29E-08	2.39E-08	-1.90E-08	2.18E-08	1.22E-08	-9.64E-09	4.29E-08	2.39E-08	-1.90E-08
4400	481363.1	3857877.3	1.19E-07	6.45E-08	-5.48E-08	4.53E-08	2.52E-08	-2.01E-08	2.30E-08	1.28E-08	-1.02E-08	4.53E-08	2.52E-08	-2.01E-08
4401	481863.1	3857877.3	1.30E-07	6.96E-08	-6.06E-08	4.94E-08	2.71E-08	-2.22E-08	2.51E-08	1.38E-08	-1.13E-08	4.94E-08	2.71E-08	-2.22E-08
4402	482363.1	3857877.3	1.51E-07	7.81E-08	-7.32E-08	5.74E-08	3.04E-08	-2.70E-08	2.92E-08	1.55E-08	-1.37E-08	5.74E-08	3.04E-08	-2.70E-08
4403	482863.1	3857877.3	1.70E-07	8.48E-08	-8.54E-08	6.46E-08	3.31E-08	-3.15E-08	3.28E-08	1.68E-08	-1.60E-08	6.46E-08	3.31E-08	-3.15E-08
4404	483363.1	3857877.3	1.86E-07	9.15E-08	-9.45E-08	7.06E-08	3.57E-08	-3.49E-08	3.59E-08	1.81E-08	-1.77E-08	7.06E-08	3.57E-08	-3.49E-08
4405	483863.1	3857877.3	2.09E-07	1.01E-07	-1.08E-07	7.91E-08	3.94E-08	-3.97E-08	4.02E-08	2.00E-08	-2.02E-08	7.91E-08	3.94E-08	-3.97E-08
4406	484363.1	3857877.3	2.38E-07	1.13E-07	-1.25E-07	9.02E-08	4.40E-08	-4.62E-08	4.59E-08	2.24E-08	-2.35E-08	9.02E-08	4.40E-08	-4.62E-08
4407	484863.1	3857877.3	2.89E-07	1.33E-07	-1.56E-07	1.10E-07	5.18E-08	-5.79E-08	5.58E-08	2.64E-08	-2.94E-08	1.10E-07	5.18E-08	-5.79E-08
4408	485363.1	3857877.3	3.69E-07	1.62E-07	-2.06E-07	1.40E-07	6.33E-08	-7.66E-08	7.12E-08	3.22E-08	-3.89E-08	1.40E-07	6.33E-08	-7.66E-08
4409	485863.1	3857877.3	5.16E-07	2.13E-07	-3.02E-07	1.96E-07	8.32E-08	-1.12E-07	9.95E-08	4.23E-08	-5.72E-08	1.96E-07	8.32E-08	-1.12E-07
4410	486363.1	3857877.3	9.47E-07	3.49E-07	-5.98E-07	3.59E-07	1.36E-07	-2.23E-07	1.83E-07	6.92E-08	-1.13E-07	3.59E-07	1.36E-07	-2.23E-07
4411	486863.1	3857877.3	7.65E-06	2.22E-06	-5.43E-06	2.90E-06	8.67E-07	-2.04E-06	1.48E-06	4.41E-07	-1.04E-06	2.90E-06	8.67E-07	-2.04E-06
4412	487363.1	3857877.3	3.13E-06	1.14E-06	-1.99E-06	1.19E-06	4.43E-07	-7.43E-07	6.03E-07	2.25E-07	-3.78E-07	1.19E-06	4.43E-07	-7.43E-07
4413	487863.1	3857877.3	1.52E-06	2.65E-06	1.13E-06	5.77E-07	1.03E-06	4.56E-07	2.93E-07	5.25E-07	2.32E-07	5.77E-07	1.03E-06	4.56E-07
4414	488363.1	3857877.3	1.08E-06	7.75E-07	-3.01E-07	4.08E-07	3.02E-07	-1.06E-07	2.08E-07	1.54E-07	-5.39E-08	4.08E-07	3.02E-07	-1.06E-07
4415	488863.1	3857877.3	8.49E-07	5.18E-07	-3.31E-07	3.22E-07	2.02E-07	-1.20E-07	1.64E-07	1.03E-07	-6.11E-08	3.22E-07	2.02E-07	-1.20E-07
4416	489363.1	3857877.3	6.96E-07	4.00E-07	-2.96E-07	2.64E-07	1.56E-07	-1.08E-07	1.34E-07	7.93E-08	-5.49E-08	2.64E-07	1.56E-07	-1.08E-07

4417	489863.1	3857877.3	5.89E-07	3.29E-07	-2.60E-07	2.24E-07	1.28E-07	-9.53E-08	1.14E-07	6.53E-08	-4.85E-08	2.24E-07	1.28E-07	-9.53E-08
4418	490363.1	3857877.3	5.19E-07	2.85E-07	-2.35E-07	1.97E-07	1.11E-07	-8.59E-08	1.00E-07	5.65E-08	-4.37E-08	1.97E-07	1.11E-07	-8.59E-08
4419	490863.1	3857877.3	4.64E-07	2.52E-07	-2.12E-07	1.76E-07	9.85E-08	-7.77E-08	8.96E-08	5.01E-08	-3.95E-08	1.76E-07	9.85E-08	-7.77E-08
4420	491363.1	3857877.3	3.99E-07	2.18E-07	-1.82E-07	1.52E-07	8.49E-08	-6.66E-08	7.71E-08	4.32E-08	-3.39E-08	1.52E-07	8.49E-08	-6.66E-08
4421	491863.1	3857877.3	3.36E-07	1.85E-07	-1.52E-07	1.28E-07	7.20E-08	-5.56E-08	6.49E-08	3.66E-08	-2.83E-08	1.28E-07	7.20E-08	-5.56E-08
4422	492363.1	3857877.3	2.63E-07	1.45E-07	-1.18E-07	9.98E-08	5.65E-08	-4.32E-08	5.07E-08	2.87E-08	-2.20E-08	9.98E-08	5.65E-08	-4.32E-08
4423	492863.1	3857877.3	2.15E-07	1.17E-07	-9.78E-08	8.17E-08	4.58E-08	-3.58E-08	4.15E-08	2.33E-08	-1.82E-08	8.17E-08	4.58E-08	-3.58E-08
4424	493363.1	3857877.3	1.94E-07	1.05E-07	-8.82E-08	7.35E-08	4.11E-08	-3.24E-08	3.74E-08	2.09E-08	-1.65E-08	7.35E-08	4.11E-08	-3.24E-08
4425	493863.1	3857877.3	1.81E-07	9.86E-08	-8.29E-08	6.89E-08	3.85E-08	-3.04E-08	3.50E-08	1.96E-08	-1.55E-08	6.89E-08	3.85E-08	-3.04E-08
4426	494363.1	3857877.3	1.73E-07	9.40E-08	-7.90E-08	6.56E-08	3.66E-08	-2.90E-08	3.34E-08	1.86E-08	-1.47E-08	6.56E-08	3.66E-08	-2.90E-08
4427	494863.1	3857877.3	1.62E-07	8.75E-08	-7.41E-08	6.13E-08	3.41E-08	-2.72E-08	3.12E-08	1.74E-08	-1.38E-08	6.13E-08	3.41E-08	-2.72E-08
4428	495363.1	3857877.3	1.56E-07	8.47E-08	-7.16E-08	5.93E-08	3.30E-08	-2.62E-08	3.01E-08	1.68E-08	-1.33E-08	5.93E-08	3.30E-08	-2.62E-08
4429	495863.1	3857877.3	1.52E-07	8.23E-08	-6.95E-08	5.76E-08	3.21E-08	-2.55E-08	2.93E-08	1.63E-08	-1.30E-08	5.76E-08	3.21E-08	-2.55E-08
4430	496363.1	3857877.3	1.50E-07	8.18E-08	-6.87E-08	5.71E-08	3.19E-08	-2.52E-08	2.90E-08	1.62E-08	-1.28E-08	5.71E-08	3.19E-08	-2.52E-08
4431	496863.1	3857877.3	1.50E-07	8.16E-08	-6.83E-08	5.69E-08	3.18E-08	-2.51E-08	2.89E-08	1.62E-08	-1.27E-08	5.69E-08	3.18E-08	-2.51E-08
4432	497363.1	3857877.3	1.48E-07	8.09E-08	-6.73E-08	5.62E-08	3.16E-08	-2.47E-08	2.86E-08	1.60E-08	-1.25E-08	5.62E-08	3.16E-08	-2.47E-08
4433	497863.1	3857877.3	1.56E-07	8.55E-08	-7.04E-08	5.91E-08	3.33E-08	-2.58E-08	3.01E-08	1.69E-08	-1.31E-08	5.91E-08	3.33E-08	-2.58E-08
4434	498363.1	3857877.3	1.63E-07	8.98E-08	-7.33E-08	6.18E-08	3.50E-08	-2.68E-08	3.15E-08	1.78E-08	-1.36E-08	6.18E-08	3.50E-08	-2.68E-08
4435	471363.1	3858377.3	5.36E-08	2.96E-08	-2.40E-08	2.03E-08	1.15E-08	-8.80E-09	1.03E-08	5.86E-09	-4.48E-09	2.03E-08	1.15E-08	-8.80E-09
4436	471863.1	3858377.3	5.45E-08	3.00E-08	-2.44E-08	2.07E-08	1.17E-08	-8.95E-09	1.05E-08	5.96E-09	-4.55E-09	2.07E-08	1.17E-08	-8.95E-09
4437	472363.1	3858377.3	5.54E-08	3.05E-08	-2.49E-08	2.10E-08	1.19E-08	-9.10E-09	1.07E-08	6.06E-09	-4.63E-09	2.10E-08	1.19E-08	-9.10E-09
4438	472863.1	3858377.3	5.67E-08	3.13E-08	-2.55E-08	2.15E-08	1.22E-08	-9.33E-09	1.09E-08	6.20E-09	-4.74E-09	2.15E-08	1.22E-08	-9.33E-09
4439	473363.1	3858377.3	5.99E-08	3.29E-08	-2.70E-08	2.27E-08	1.28E-08	-9.90E-09	1.16E-08	6.52E-09	-5.03E-09	2.27E-08	1.28E-08	-9.90E-09
4440	473863.1	3858377.3	5.99E-08	3.30E-08	-2.69E-08	2.27E-08	1.29E-08	-9.85E-09	1.16E-08	6.55E-09	-5.01E-09	2.27E-08	1.29E-08	-9.85E-09
4441	474363.1	3858377.3	5.63E-08	3.13E-08	-2.50E-08	2.14E-08	1.22E-08	-9.16E-09	1.09E-08	6.20E-09	-4.66E-09	2.14E-08	1.22E-08	-9.16E-09
4442	474863.1	3858377.3	5.27E-08	2.93E-08	-2.34E-08	2.00E-08	1.14E-08	-8.56E-09	1.02E-08	5.81E-09	-4.35E-09	2.00E-08	1.14E-08	-8.56E-09
4443	475363.1	3858377.3	4.68E-08	2.59E-08	-2.10E-08	1.78E-08	1.01E-08	-7.68E-09	9.04E-09	5.13E-09	-3.91E-09	1.78E-08	1.01E-08	-7.68E-09
4444	475863.1	3858377.3	4.37E-08	2.40E-08	-1.97E-08	1.66E-08	9.37E-09	-7.21E-09	8.43E-09	4.76E-09	-3.67E-09	1.66E-08	9.37E-09	-7.21E-09
4445	476363.1	3858377.3	4.50E-08	2.47E-08	-2.03E-08	1.71E-08	9.65E-09	-7.43E-09	8.69E-09	4.91E-09	-3.78E-09	1.71E-08	9.65E-09	-7.43E-09
4446	476863.1	3858377.3	4.68E-08	2.57E-08	-2.11E-08	1.78E-08	1.00E-08	-7.73E-09	9.04E-09	5.10E-09	-3.93E-09	1.78E-08	1.00E-08	-7.73E-09
4447	477363.1	3858377.3	4.77E-08	2.61E-08	-2.16E-08	1.81E-08	1.02E-08	-7.93E-09	9.21E-09	5.18E-09	-4.03E-09	1.81E-08	1.02E-08	-7.93E-09
4448	477863.1	3858377.3	5.22E-08	2.87E-08	-2.35E-08	1.98E-08	1.12E-08	-8.63E-09	1.01E-08	5.69E-09	-4.39E-09	1.98E-08	1.12E-08	-8.63E-09
4449	478363.1	3858377.3	5.49E-08	3.02E-08	-2.48E-08	2.08E-08	1.18E-08	-9.08E-09	1.06E-08	5.98E-09	-4.62E-09	2.08E-08	1.18E-08	-9.08E-09
4450	478863.1	3858377.3	5.22E-08	2.84E-08	-2.38E-08	1.98E-08	1.11E-08	-8.72E-09	1.01E-08	5.64E-09	-4.44E-09	1.98E-08	1.11E-08	-8.72E-09
4451	479363.1	3858377.3	7.03E-08	3.95E-08	-3.07E-08	2.67E-08	1.54E-08	-1.12E-08	1.36E-08	7.84E-09	-5.71E-09	2.67E-08	1.54E-08	-1.12E-08
4452	479863.1	3858377.3	9.14E-08	5.02E-08	-4.12E-08	3.47E-08	1.96E-08	-1.51E-08	1.76E-08	9.96E-09	-7.67E-09	3.47E-08	1.96E-08	-1.51E-08
4453	480363.1	3858377.3	1.04E-07	5.59E-08	-4.77E-08	3.93E-08	2.18E-08	-1.75E-08	2.00E-08	1.11E-08	-8.89E-09	3.93E-08	2.18E-08	-1.75E-08
4454	480863.1	3858377.3	1.09E-07	5.89E-08	-5.01E-08	4.13E-08	2.30E-08	-1.84E-08	2.10E-08	1.17E-08	-9.35E-09	4.13E-08	2.30E-08	-1.84E-08
4455	481363.1	3858377.3	1.16E-07	6.24E-08	-5.38E-08	4.41E-08	2.43E-08	-1.97E-08	2.24E-08	1.24E-08	-1.00E-08	4.41E-08	2.43E-08	-1.97E-08
4456	481863.1	3858377.3	1.21E-07	6.51E-08	-5.60E-08	4.60E-08	2.54E-08	-2.06E-08	2.34E-08	1.29E-08	-1.05E-08	4.60E-08	2.54E-08	-2.06E-08
4457	482363.1	3858377.3	1.31E-07	6.99E-08	-6.16E-08	4.99E-08	2.73E-08	-2.26E-08	2.54E-08	1.39E-08	-1.15E-08	4.99E-08	2.73E-08	-2.26E-08
4458	482863.1	3858377.3	1.49E-07	7.68E-08	-7.22E-08	5.65E-08	3.00E-08	-2.66E-08	2.88E-08	1.52E-08	-1.35E-08	5.65E-08	3.00E-08	-2.66E-08
4459	483363.1	3858377.3	1.65E-07	8.30E-08	-8.23E-08	6.27E-08	3.24E-08	-3.03E-08	3.19E-08	1.65E-08	-1.54E-08	6.27E-08	3.24E-08	-3.03E-08
4460	483863.1	3858377.3	1.80E-07	8.90E-08	-9.07E-08	6.82E-08	3.47E-08	-3.34E-08	3.47E-08	1.77E-08	-1.70E-08	6.82E-08	3.47E-08	-3.34E-08
4461	484363.1	3858377.3	1.99E-07	9.76E-08	-1.01E-07	7.55E-08	3.81E-08	-3.74E-08	3.84E-08	1.94E-08	-1.90E-08	7.55E-08	3.81E-08	-3.74E-08
4462	484863.1	3858377.3	2.28E-07	1.10E-07	-1.18E-07	8.66E-08	4.30E-08	-4.36E-08	4.40E-08	2.19E-08	-2.22E-08	8.66E-08	4.30E-08	-4.36E-08
4463	485363.1	3858377.3	2.72E-07	1.28E-07	-1.43E-07	1.03E-07	4.99E-08	-5.31E-08	5.24E-08	2.54E-08	-2.70E-08	1.03E-07	4.99E-08	-5.31E-08
4464	485863.1	3858377.3	3.32E-07	1.52E-07	-1.80E-07	1.26E-07	5.94E-08	-6.65E-08	6.40E-08	3.02E-08	-3.38E-08	1.26E-07	5.94E-08	-6.65E-08
4465	486363.1	3858377.3	4.28E-07	1.90E-07	-2.38E-07	1.62E-07	7.40E-08	-8.83E-08	8.25E-08	3.76E-08	-4.49E-08	1.62E-07	7.40E-08	-8.83E-08
4466	486863.1	3858377.3	6.17E-07	2.59E-07	-3.58E-07	2.34E-07	1.01E-07	-1.33E-07	1.19E-07	5.15E-08	-6.76E-08	2.34E-07	1.01E-07	-1.33E-07
4467	487363.1	3858377.3	1.22E-06	4.63E-07	-7.58E-07	4.63E-07	1.81E-07	-2.82E-07	2.36E-07	9.19E-08	-1.44E-07	4.63E-07	1.81E-07	-2.82E-07
4468	487863.1	3858377.3	2.08E-05	5.94E-06	-1.48E-05	7.88E-06	2.32E-06	-5.56E-06	4.00E-06	1.18E-06	-2.83E-06	7.88E-06	2.32E-06	-5.56E-06
4469	488363.1	3858377.3	2.85E-06	3.70E-06	8.51E-07	1.08E-06	1.44E-06	3.62E-07	5.50E-07	7.34E-07	1.84E-07	1.08E-06	1.44E-06	3.62E-07
4470	488863.1	3858377.3	1.53E-06	9.36E-07	-5.90E-07	5.79E-07	3.65E-07	-2.14E-07	2.95E-07	1.86E-07	-1.09E-07	5.79E-07	3.65E-07	-2.14E-07
4471	489363.1	3858377.3	1.06E-06	5.90E-07	-4.69E-07	4.01E-07	2.30E-07	-1.72E-07	2.04E-07	1.17E-07	-8.72E-08	4.01E-07	2.30E-07	-1.72E-07
4472	489863.1	3858377.3	8.21E-07	4.45E-07	-3.77E-07	3.12E-07	1.73E-07	-1.38E-07	1.58E-07	8.82E-08	-7.03E-08	3.12E-07	1.73E-07	-1.38E-07
4473	490363.1	3858377.3	6.76E-07	3.62E-07	-3.14E-07	2.57E-07	1.41E-07	-1.15E-07	1.30E-07	7.19E-08	-5.86E-08	2.57E-07	1.41E-07	-1.15E-07
4474	490863.1	3858377.3	5.77E-07	3.08E-07	-2.69E-07	2.19E-07	1.20E-07	-9.89E-08	1.11E-07	6.11E-08	-5.03E-08	2.19E-07	1.20E-07	-9.89E-08
4475	491363.1	3858377.3	4.72E-07	2.53E-07	-2.19E-07	1.79E-07	9.85E-08	-8.05E-08	9.11E-08	5.01E-08	-4.10E-08	1.79E-07	9.85E-08	-8.05E-08
4476	491863.1	3858377.3	3.56E-07	1.92E-07	-1.64E-07	1.35E-07	7.50E-08	-6.01E-08	6.87E-08	3.81E-08	-3.06E-08	1.35E-07	7.50E-08	-6.01E-08
4477	492363.1	3858377.3	2.76E-07	1.49E-07	-1.27E-07	1.05E-07	5.81E-08	-4.64E-08	5.32E-08	2.96E-08	-2.36E-08	1.05E-07	5.81E-08	-4.64E-08
4478	492863.1	3858377.3	2.70E-07	1.47E-07	-1.23E-07	1.03E-07	5.73E-08	-4.52E-08	5.21E-08	2.91E-08	-2.30E-08	1.03E-07	5.73E-08	-4.52E-08
4479	493363.1	3858377.3	2.42E-07	1.32E-07	-1.10E-07	9.17E-08	5.13E-08	-4.05E-08	4.67E-08	2.61E-08	-2.06E-08	9.17E-08	5.13E-08	-4.05E-08
4480	493863.1	3858377.3	2.23E-07	1.21E-07	-1.02E-07	8.46E-08	4.73E-08	-3.73E-08	4.30E-08	2.40E-08	-1.90E-08	8.46E-08	4.73E-08	-3.73E-08
4481	494363.1	3858377.3	2.05E-07	1.12E-07	-9.33E-08	7.77E-08	4.35E-08	-3.42E-08	3.95E-08	2.21E-08	-1.74E-08	7.77E-08	4.35E-08	-3.42E-08
4482	494863.1	3858377.3	1.92E-07	1.04E-07	-8.76E-08	7.28E-08	4.07E-08	-3.21E-08	3.70E-08	2.07E-08	-1.63E-08	7.28E-08	4.07E-08	-3.21E-08
4483	495363.1	3858377.3	1.78E-07	9.69E-08	-8.14E-08	6.77E-08	3.78E-08	-2.99E-08	3.44E-08	1.92E-08	-1.52E-08	6.77E-08	3.78E-08	-2.99E-08
4484	495863.1	3858377.3	1.73E-07	9.43E-08	-7.91E-08	6.58E-08	3.68E-08	-2.90E-08	3.34E-08	1.87E-08	-1.47E-08	6.58E-08	3.68E-08	-2.90E-08
4485	496363.1	3858377.3	1.68E-07	9.17E-08	-7.67E-08	6.39E-08	3.58E-08	-2.81E-08	3.25E-08	1.82E-08	-1.43E-08	6.39E-08	3.58E-08	-2.81E-08
4486	496863.1	3858377.3	1.69E-07	9.25E-08	-7.69E-08	6.42E-08	3.61E-08	-2.82E-08	3.27E-08	1.83E-08	-1.43E-08	6.42E-08	3.61E-08	-2.82E-08
4487	497363.1	3858377.3	1.68E-07	9.16E-08	-7.59E-08	6.36E-08	3.57E-08	-2.78E-08	3.23E-08	1.82E-08	-1.41E-08	6.36E-08	3.57E-08	-2.78E-08
4488	497863.1	3858377.3	1.74E-07	9.56E-08	-7.87E-08	6.61E-08	3.73E-08	-2.88E-08	3.36E-08	1.90E-08	-1.47E-08	6.61E-08	3.73E-08	-2.88E-08
4489	498363.1	3858377.3	1.84E-07	1.01E-07	-8.31E-08	6.99E-08	3.94E-08	-3.04E-08	3.55E-08	2.01E-08	-1.55E-08	6.99E-08	3.94E-08	-3.04E-08
4490	471363.1	3858877.3	5.22E-08	2.88E-08	-2.34E-08	1.98E-08	1.12E-08	-8.58E-09	1.01E-08	5.72E-09	-4.36E-09	1.98E-08	1.12E-08	-8.58E-09
4491	471863.1	3858877.3	5.31E-08	2.92E-08	-2.40E-08	2.02E-08	1.14E-08	-8.78E-09	1.03E-08	5.79E-09	-4.46E-09	2.02E-08	1.14E-08	-8.78E-09
4492	472363.1	3858877.3	5.49E-08	3.02E-08	-2.48E-08	2.08E-08	1.18E-08	-9.08E-09	1.06E-08	5.98E-09	-4.62E-09	2.08E-08	1.18E-08	-9.08E-09
4493	472863.1	3858877.3	5.63E-08	3.09E-08	-2.54E-08	2.14E-08	1.21E-08	-9.30E-09	1.09E-08	6.13E-09	-4.73E-09	2.14E-08	1.21E-08	-9.30E-09
4494	473363.1	3858877.3	5.85E-08	3.21E-08	-2.64E-08	2.22E-08	1.25E-08	-9.68E-09	1.13E-08	6.37E-09	-4.92E-09	2.22E-08	1.25E-08	-9.68E-09
4495	473863.1	3858877.3	5.90E-08	3.24E-08	-2.66E-08	2.24E-08	1.26E-08	-9.75E-09	1.14E-08	6.42E-09	-4.96E-09	2.24E-08	1.26E-08	-9.75E-09
4496	474363.1	3858877.3	5.58E-08	3.10E-08	-2.48E-08	2.12E-08	1.21E-08	-9.08E-09	1.08E-08	6.15E-09	-4.62E-09	2.12E-08	1.21E-08	-9.08E-09
4497	474863.1	3858877.3	4.41E-08	2.45E-08	-1.96E-08	1.67E-08	9.56E-09	-7.19E-09	8.51E-09	4.86E-09	-3.65E-09	1.67E-08	9.56E-09	-7.19E-09
4498	475363.1	3858877.3	4.14E-08	2.28E-08	-1.87E-08	1.57E-08	8.88E-09	-6.83E-09	7.99E-09	4.52E-09	-3.47E-09	1.57E-08	8.88E-09	-6.83E-09
4499	475863.1	3858877.3	4.32E-08	2.38E-08	-1.95E-08	1.64E-08	9.27E-09	-7.13E-09	8.34E-09	4.71E-09	-3.63E-09	1.64E-08	9.27E-09	-7.13E-09
4500	476363.1	3858877.3	3.92E-08	2.13E-08	-1.79E-08	1.49E-08	8.31E-09	-6.56E-09	7.56E-09	4.23E-09	-3.33E-09	1.49E-08	8.31E-09	-6.56E-09
4501	476863.1	3858877.3	4.23E-08	2.30E-08	-1.93E-08	1.61E-08	8.98E-09	-7.08E-09	8.17E-09	4.57E-09	-3.60E-09	1.61E-08	8.98E-09	-7.08E-09
4502	477363.1	3858877.3	4.32E-08	2.36E-08	-1.96E-08	1.64E-08	9.22E-09	-7.18E-09	8.34E-09	4.69E-09	-3.65E-09	1.64E-08	9.22E-09	-7.18E-09
4503	477863.1	3858877.3	4.64E-08	2.54E-08	-2.10E-08	1.76E-08	9.89E-09	-7.70E-09	8.95E-09	5.03E-09	-3.92E-09	1.76E-08	9.89E-09	-7.70E-09
4504	478363.1	3858877.3	5.63E-08	3.15E-08	-2.48E-08	2.14E-08	1.23E-08	-9.06E-09	1.09E-08	6.25E-09	-4.61E-09	2.14E-08	1.23E-08	-9.06E-09
4505	478863.1	3858877.3	5.54E-08	3.08E-08	-2.46E-08	2.10E-08	1.20E-08	-9.01E-09	1.07E-08	6.11E-09	-4.58E-09	2.10E-08	1.20E-08	-9.01E-09
4506	479363.1	3858877.3	5.49E-08	3.03E-08	-2.47E-08	2.08E-08	1.18E-08	-9.03E-09	1.06E-08	6.01E-09	-4.59E-09	2.08E-08	1.18E-08	-9.03E-09
4507	479863.1	3858877.3	8.78E-08	4.78E-08	-4.00E-08	3.33E-08	1.86E-08	-1.47E-08	1.69E-08	9.48E-09	-7.47E-09	3.33E-08	1.86E-08	-1.47E-08
4508	480363.1	3858877.3	9.55E-08	5.13E-08	-4.41E-08	3.62E-08	2.00E-08	-1.62E-08	1.84E-08	1.02E-08	-8.23E-09	3.62E-08	2.00E-08	-1.62E-08
4509	480863.1	3858877.3	1.02E-07	5.44E-08	-4.74E-08	3.86E-08	2.12E-08	-1.74E-08	1.96E-08	1.08E-08	-8.84E-09	3.86E-08	2.12E-08	-1.74E-08
4510	481363.1	3858877.3	1.08E-07	5.74E-08	-5.03E-08	4.08E-08	2.24E-08	-1.85E-08	2.08E-08	1.14E-08	-9.38E-09	4.08E-08	2.24E-08	-1.85E-08

4511	481863.1	3858877.3	1.14E-07	6.08E-08	-5.31E-08	4.32E-08	2.37E-08	-1.95E-08	2.20E-08	1.21E-08	-9.92E-09	4.32E-08	2.37E-08	-1.95E-08
4512	482363.1	3858877.3	1.22E-07	6.46E-08	-5.69E-08	4.61E-08	2.52E-08	-2.09E-08	2.35E-08	1.28E-08	-1.06E-08	4.61E-08	2.52E-08	-2.09E-08
4513	482863.1	3858877.3	1.30E-07	6.91E-08	-6.11E-08	4.94E-08	2.69E-08	-2.24E-08	2.51E-08	1.37E-08	-1.14E-08	4.94E-08	2.69E-08	-2.24E-08
4514	483363.1	3858877.3	1.52E-07	7.77E-08	-7.45E-08	5.77E-08	3.03E-08	-2.74E-08	2.94E-08	1.54E-08	-1.40E-08	5.77E-08	3.03E-08	-2.74E-08
4515	483863.1	3858877.3	1.63E-07	8.23E-08	-8.03E-08	6.17E-08	3.21E-08	-2.96E-08	3.14E-08	1.63E-08	-1.50E-08	6.17E-08	3.21E-08	-2.96E-08
4516	484363.1	3858877.3	1.75E-07	8.79E-08	-8.68E-08	6.63E-08	3.43E-08	-3.20E-08	3.37E-08	1.74E-08	-1.63E-08	6.63E-08	3.43E-08	-3.20E-08
4517	484863.1	3858877.3	1.90E-07	9.51E-08	-9.54E-08	7.23E-08	3.71E-08	-3.52E-08	3.68E-08	1.89E-08	-1.79E-08	7.23E-08	3.71E-08	-3.52E-08
4518	485363.1	3858877.3	2.15E-07	1.06E-07	-1.09E-07	8.17E-08	4.14E-08	-4.03E-08	4.15E-08	2.10E-08	-2.05E-08	8.17E-08	4.14E-08	-4.03E-08
4519	485863.1	3858877.3	2.49E-07	1.21E-07	-1.28E-07	9.45E-08	4.73E-08	-4.72E-08	4.80E-08	2.40E-08	-2.40E-08	9.45E-08	4.73E-08	-4.72E-08
4520	486363.1	3858877.3	2.92E-07	1.40E-07	-1.52E-07	1.11E-07	5.48E-08	-5.61E-08	5.64E-08	2.79E-08	-2.85E-08	1.11E-07	5.48E-08	-5.61E-08
4521	486863.1	3858877.3	3.56E-07	1.69E-07	-1.86E-07	1.35E-07	6.60E-08	-6.89E-08	6.86E-08	3.36E-08	-3.51E-08	1.35E-07	6.60E-08	-6.89E-08
4522	487363.1	3858877.3	4.67E-07	2.20E-07	-2.47E-07	1.77E-07	8.56E-08	-9.15E-08	9.01E-08	4.35E-08	-4.66E-08	1.77E-07	8.56E-08	-9.15E-08
4523	487863.1	3858877.3	6.89E-07	3.17E-07	-3.72E-07	2.62E-07	1.24E-07	-1.38E-07	1.33E-07	6.29E-08	-7.01E-08	2.62E-07	1.24E-07	-1.38E-07
4524	488363.1	3858877.3	1.55E-06	6.75E-07	-8.75E-07	5.88E-07	2.63E-07	-3.25E-07	2.99E-07	1.34E-07	-1.65E-07	5.88E-07	2.63E-07	-3.25E-07
4525	488863.1	3858877.3	1.07E-05	7.17E-06	-3.50E-06	4.05E-06	2.80E-06	-1.25E-06	2.06E-06	1.42E-06	-6.37E-07	4.05E-06	2.80E-06	-1.25E-06
4526	489363.1	3858877.3	2.45E-06	1.35E-06	-1.10E-06	9.31E-07	5.27E-07	-4.04E-07	4.74E-07	2.68E-07	-2.05E-07	9.31E-07	5.27E-07	-4.04E-07
4527	489863.1	3858877.3	1.42E-06	7.59E-07	-6.61E-07	5.39E-07	2.96E-07	-2.43E-07	2.74E-07	1.50E-07	-1.23E-07	5.39E-07	2.96E-07	-2.43E-07
4528	490363.1	3858877.3	9.87E-07	5.25E-07	-4.61E-07	3.74E-07	2.05E-07	-1.69E-07	1.90E-07	1.04E-07	-8.61E-08	3.74E-07	2.05E-07	-1.69E-07
4529	490863.1	3858877.3	6.99E-07	3.73E-07	-3.26E-07	2.65E-07	1.46E-07	-1.20E-07	1.35E-07	7.40E-08	-6.08E-08	2.65E-07	1.46E-07	-1.20E-07
4530	491363.1	3858877.3	4.99E-07	2.68E-07	-2.31E-07	1.89E-07	1.04E-07	-8.48E-08	9.62E-08	5.31E-08	-4.31E-08	1.89E-07	1.04E-07	-8.48E-08
4531	491863.1	3858877.3	3.78E-07	2.04E-07	-1.75E-07	1.44E-07	7.94E-08	-6.41E-08	7.30E-08	4.04E-08	-3.26E-08	1.44E-07	7.94E-08	-6.41E-08
4532	492363.1	3858877.3	3.70E-07	1.99E-07	-1.71E-07	1.40E-07	7.78E-08	-6.27E-08	7.14E-08	3.95E-08	-3.19E-08	1.40E-07	7.78E-08	-6.27E-08
4533	492863.1	3858877.3	3.76E-07	2.02E-07	-1.74E-07	1.43E-07	7.90E-08	-6.37E-08	7.25E-08	4.02E-08	-3.24E-08	1.43E-07	7.90E-08	-6.37E-08
4534	493363.1	3858877.3	3.31E-07	1.79E-07	-1.52E-07	1.26E-07	6.99E-08	-5.58E-08	6.39E-08	3.56E-08	-2.84E-08	1.26E-07	6.99E-08	-5.58E-08
4535	493863.1	3858877.3	2.82E-07	1.53E-07	-1.29E-07	1.07E-07	5.98E-08	-4.73E-08	5.45E-08	3.04E-08	-2.40E-08	1.07E-07	5.98E-08	-4.73E-08
4536	494363.1	3858877.3	2.58E-07	1.40E-07	-1.17E-07	9.77E-08	5.47E-08	-4.30E-08	4.97E-08	2.78E-08	-2.19E-08	9.77E-08	5.47E-08	-4.30E-08
4537	494863.1	3858877.3	2.34E-07	1.28E-07	-1.06E-07	8.88E-08	4.98E-08	-3.90E-08	4.52E-08	2.53E-08	-1.99E-08	8.88E-08	4.98E-08	-3.90E-08
4538	495363.1	3858877.3	2.15E-07	1.17E-07	-9.79E-08	8.17E-08	4.58E-08	-3.59E-08	4.15E-08	2.33E-08	-1.83E-08	8.17E-08	4.58E-08	-3.59E-08
4539	495863.1	3858877.3	2.04E-07	1.11E-07	-9.24E-08	7.72E-08	4.34E-08	-3.39E-08	3.93E-08	2.21E-08	-1.72E-08	7.72E-08	4.34E-08	-3.39E-08
4540	496363.1	3858877.3	1.97E-07	1.08E-07	-8.94E-08	7.48E-08	4.21E-08	-3.28E-08	3.81E-08	2.14E-08	-1.67E-08	7.48E-08	4.21E-08	-3.28E-08
4541	496863.1	3858877.3	1.92E-07	1.05E-07	-8.71E-08	7.30E-08	4.10E-08	-3.19E-08	3.71E-08	2.09E-08	-1.62E-08	7.30E-08	4.10E-08	-3.19E-08
4542	497363.1	3858877.3	1.88E-07	1.03E-07	-8.50E-08	7.12E-08	4.01E-08	-3.11E-08	3.62E-08	2.04E-08	-1.58E-08	7.12E-08	4.01E-08	-3.11E-08
4543	497863.1	3858877.3	1.96E-07	1.07E-07	-8.89E-08	7.45E-08	4.19E-08	-3.26E-08	3.79E-08	2.13E-08	-1.66E-08	7.45E-08	4.19E-08	-3.26E-08
4544	498363.1	3858877.3	2.06E-07	1.13E-07	-9.35E-08	7.82E-08	4.40E-08	-3.43E-08	3.98E-08	2.24E-08	-1.74E-08	7.82E-08	4.40E-08	-3.43E-08
4545	471363.1	3859377.3	5.09E-08	2.80E-08	-2.29E-08	1.93E-08	1.09E-08	-8.40E-09	9.82E-09	5.54E-09	-4.27E-09	1.93E-08	1.09E-08	-8.40E-09
4546	471863.1	3859377.3	5.22E-08	2.87E-08	-2.35E-08	1.98E-08	1.12E-08	-8.63E-09	1.01E-08	5.69E-09	-4.39E-09	1.98E-08	1.12E-08	-8.63E-09
4547	472363.1	3859377.3	5.36E-08	2.94E-08	-2.42E-08	2.03E-08	1.15E-08	-8.85E-09	1.03E-08	5.84E-09	-4.50E-09	2.03E-08	1.15E-08	-8.85E-09
4548	472863.1	3859377.3	5.54E-08	3.03E-08	-2.51E-08	2.10E-08	1.18E-08	-9.20E-09	1.07E-08	6.01E-09	-4.68E-09	2.10E-08	1.18E-08	-9.20E-09
4549	473363.1	3859377.3	5.72E-08	3.12E-08	-2.60E-08	2.17E-08	1.22E-08	-9.55E-09	1.10E-08	6.18E-09	-4.85E-09	2.17E-08	1.22E-08	-9.55E-09
4550	473863.1	3859377.3	5.81E-08	3.16E-08	-2.64E-08	2.20E-08	1.23E-08	-9.70E-09	1.12E-08	6.28E-09	-4.93E-09	2.20E-08	1.23E-08	-9.70E-09
4551	474363.1	3859377.3	5.49E-08	3.03E-08	-2.47E-08	2.08E-08	1.18E-08	-9.03E-09	1.06E-08	6.01E-09	-4.59E-09	2.08E-08	1.18E-08	-9.03E-09
4552	474863.1	3859377.3	4.91E-08	2.73E-08	-2.18E-08	1.86E-08	1.07E-08	-7.96E-09	9.47E-09	5.42E-09	-4.05E-09	1.86E-08	1.07E-08	-7.96E-09
4553	475363.1	3859377.3	4.32E-08	2.40E-08	-1.92E-08	1.64E-08	9.37E-09	-7.04E-09	8.34E-09	4.76E-09	-3.58E-09	1.64E-08	9.37E-09	-7.04E-09
4554	475863.1	3859377.3	3.92E-08	2.15E-08	-1.76E-08	1.49E-08	8.40E-09	-6.46E-09	7.56E-09	4.27E-09	-3.28E-09	1.49E-08	8.40E-09	-6.46E-09
4555	476363.1	3859377.3	3.87E-08	2.12E-08	-1.76E-08	1.47E-08	8.26E-09	-6.43E-09	7.47E-09	4.20E-09	-3.27E-09	1.47E-08	8.26E-09	-6.43E-09
4556	476863.1	3859377.3	3.74E-08	2.03E-08	-1.71E-08	1.42E-08	7.92E-09	-6.26E-09	7.21E-09	4.03E-09	-3.18E-09	1.42E-08	7.92E-09	-6.26E-09
4557	477363.1	3859377.3	3.87E-08	2.12E-08	-1.76E-08	1.47E-08	8.26E-09	-6.43E-09	7.47E-09	4.20E-09	-3.27E-09	1.47E-08	8.26E-09	-6.43E-09
4558	477863.1	3859377.3	4.50E-08	2.49E-08	-2.02E-08	1.71E-08	9.70E-09	-7.38E-09	8.69E-09	4.93E-09	-3.75E-09	1.71E-08	9.70E-09	-7.38E-09
4559	478363.1	3859377.3	5.13E-08	2.87E-08	-2.26E-08	1.95E-08	1.12E-08	-8.29E-09	9.90E-09	5.69E-09	-4.21E-09	1.95E-08	1.12E-08	-8.29E-09
4560	478863.1	3859377.3	6.03E-08	3.39E-08	-2.65E-08	2.29E-08	1.32E-08	-9.69E-09	1.16E-08	6.72E-09	-4.93E-09	2.29E-08	1.32E-08	-9.69E-09
4561	479363.1	3859377.3	7.03E-08	3.89E-08	-3.13E-08	2.67E-08	1.52E-08	-1.15E-08	1.36E-08	7.72E-09	-5.84E-09	2.67E-08	1.52E-08	-1.15E-08
4562	479863.1	3859377.3	7.93E-08	4.32E-08	-3.60E-08	3.01E-08	1.69E-08	-1.32E-08	1.53E-08	8.57E-09	-6.72E-09	3.01E-08	1.69E-08	-1.32E-08
4563	480363.1	3859377.3	8.78E-08	4.73E-08	-4.05E-08	3.33E-08	1.84E-08	-1.49E-08	1.69E-08	9.38E-09	-7.56E-09	3.33E-08	1.84E-08	-1.49E-08
4564	480863.1	3859377.3	9.46E-08	5.05E-08	-4.41E-08	3.59E-08	1.97E-08	-1.62E-08	1.82E-08	1.00E-08	-8.23E-09	3.59E-08	1.97E-08	-1.62E-08
4565	481363.1	3859377.3	1.00E-07	5.32E-08	-4.68E-08	3.79E-08	2.07E-08	-1.72E-08	1.93E-08	1.06E-08	-8.74E-09	3.79E-08	2.07E-08	-1.72E-08
4566	481863.1	3859377.3	1.05E-07	5.59E-08	-4.95E-08	4.00E-08	2.18E-08	-1.82E-08	2.03E-08	1.11E-08	-9.24E-09	4.00E-08	2.18E-08	-1.82E-08
4567	482363.1	3859377.3	1.12E-07	5.91E-08	-5.26E-08	4.24E-08	2.31E-08	-1.93E-08	2.15E-08	1.17E-08	-9.82E-09	4.24E-08	2.31E-08	-1.93E-08
4568	482863.1	3859377.3	1.19E-07	6.27E-08	-5.62E-08	4.51E-08	2.44E-08	-2.07E-08	2.29E-08	1.24E-08	-1.05E-08	4.51E-08	2.44E-08	-2.07E-08
4569	483363.1	3859377.3	1.32E-07	6.83E-08	-6.36E-08	5.01E-08	2.67E-08	-2.34E-08	2.55E-08	1.36E-08	-1.19E-08	5.01E-08	2.67E-08	-2.34E-08
4570	483863.1	3859377.3	1.43E-07	7.33E-08	-6.95E-08	5.42E-08	2.86E-08	-2.56E-08	2.75E-08	1.45E-08	-1.30E-08	5.42E-08	2.86E-08	-2.56E-08
4571	484363.1	3859377.3	1.54E-07	7.92E-08	-7.53E-08	5.86E-08	3.09E-08	-2.77E-08	2.98E-08	1.57E-08	-1.41E-08	5.86E-08	3.09E-08	-2.77E-08
4572	484863.1	3859377.3	1.68E-07	8.58E-08	-8.22E-08	6.37E-08	3.35E-08	-3.03E-08	3.24E-08	1.70E-08	-1.54E-08	6.37E-08	3.35E-08	-3.03E-08
4573	485363.1	3859377.3	1.85E-07	9.42E-08	-9.09E-08	7.02E-08	3.67E-08	-3.35E-08	3.57E-08	1.87E-08	-1.70E-08	7.02E-08	3.67E-08	-3.35E-08
4574	485863.1	3859377.3	2.06E-07	1.04E-07	-1.02E-07	7.81E-08	4.06E-08	-3.75E-08	3.97E-08	2.06E-08	-1.91E-08	7.81E-08	4.06E-08	-3.75E-08
4575	486363.1	3859377.3	2.29E-07	1.15E-07	-1.14E-07	8.70E-08	4.50E-08	-4.20E-08	4.42E-08	2.29E-08	-2.13E-08	8.70E-08	4.50E-08	-4.20E-08
4576	486863.1	3859377.3	2.59E-07	1.30E-07	-1.29E-07	9.84E-08	5.07E-08	-4.77E-08	5.00E-08	2.58E-08	-2.43E-08	9.84E-08	5.07E-08	-4.77E-08
4577	487363.1	3859377.3	3.02E-07	1.52E-07	-1.50E-07	1.14E-07	5.92E-08	-5.53E-08	5.82E-08	3.01E-08	-2.81E-08	1.14E-07	5.92E-08	-5.53E-08
4578	487863.1	3859377.3	3.70E-07	1.88E-07	-1.82E-07	1.40E-07	7.31E-08	-6.71E-08	7.13E-08	3.72E-08	-3.41E-08	1.40E-07	7.31E-08	-6.71E-08
4579	488363.1	3859377.3	4.90E-07	2.51E-07	-2.40E-07	1.86E-07	9.78E-08	-8.82E-08	9.46E-08	4.97E-08	-4.49E-08	1.86E-07	9.78E-08	-8.82E-08
4580	488863.1	3859377.3	7.66E-07	3.99E-07	-3.67E-07	2.91E-07	1.56E-07	-1.35E-07	1.48E-07	7.92E-08	-6.86E-08	2.91E-07	1.56E-07	-1.35E-07
4581	489363.1	3859377.3	2.07E-06	1.10E-06	-9.69E-07	7.84E-07	4.28E-07	-3.56E-07	3.99E-07	2.18E-07	-1.81E-07	7.84E-07	4.28E-07	-3.56E-07
4582	489863.1	3859377.3	6.70E-06	3.69E-06	-3.01E-06	2.54E-06	1.44E-06	-1.10E-06	1.29E-06	7.33E-07	-5.60E-07	2.54E-06	1.44E-06	-1.10E-06
4583	490363.1	3859377.3	2.14E-06	1.16E-06	-9.79E-07	8.13E-07	4.54E-07	-3.59E-07	4.13E-07	2.31E-07	-1.83E-07	8.13E-07	4.54E-07	-3.59E-07
4584	490863.1	3859377.3	1.17E-06	6.35E-07	-5.39E-07	4.45E-07	2.48E-07	-1.98E-07	2.27E-07	1.26E-07	-1.01E-07	4.45E-07	2.48E-07	-1.98E-07
4585	491363.1	3859377.3	6.96E-07	3.78E-07	-3.18E-07	2.64E-07	1.47E-07	-1.17E-07	1.34E-07	7.49E-08	-5.94E-08	2.64E-07	1.47E-07	-1.17E-07
4586	491863.1	3859377.3	6.55E-07	3.54E-07	-3.01E-07	2.49E-07	1.38E-07	-1.10E-07	1.26E-07	7.03E-08	-5.61E-08	2.49E-07	1.38E-07	-1.10E-07
4587	492363.1	3859377.3	5.58E-07	3.02E-07	-2.57E-07	2.12E-07	1.18E-07	-9.42E-08	1.08E-07	5.98E-08	-4.79E-08	2.12E-07	1.18E-07	-9.42E-08
4588	492863.1	3859377.3	4.99E-07	2.69E-07	-2.30E-07	1.89E-07	1.05E-07	-8.44E-08	9.64E-08	5.34E-08	-4.29E-08	1.89E-07	1.05E-07	-8.44E-08
4589	493363.1	3859377.3	4.20E-07	2.26E-07	-1.93E-07	1.59E-07	8.83E-08	-7.09E-08	8.10E-08	4.49E-08	-3.61E-08	1.59E-07	8.83E-08	-7.09E-08
4590	493863.1	3859377.3	3.80E-07	2.05E-07	-1.75E-07	1.44E-07	8.00E-08	-6.42E-08	7.33E-08	4.07E-08	-3.26E-08	1.44E-07	8.00E-08	-6.42E-08
4591	494363.1	3859377.3	3.40E-07	1.84E-07	-1.56E-07	1.29E-07	7.17E-08	-5.72E-08	6.55E-08	3.64E-08	-2.91E-08	1.29E-07	7.17E-08	-5.72E-08
4592	494863.1	3859377.3	2.90E-07	1.58E-07	-1.33E-07	1.10E-07	6.16E-08	-4.86E-08	5.60E-08	3.13E-08	-2.47E-08	1.10E-07	6.16E-08	-4.86E-08
4593	495363.1	3859377.3	2.70E-07	1.47E-07	-1.23E-07	1.02E-07	5.73E-08	-4.50E-08	5.20E-08	2.91E-08	-2.29E-08	1.02E-07	5.73E-08	-4.50E-08
4594	495863.1	3859377.3	2.48E-07	1.35E-07	-1.13E-07	9.40E-08	5.27E-08	-4.13E-08	4.78E-08	2.68E-08	-2.10E-08	9.40E-08	5.27E-08	-4.13E-08
4595	496363.1	3859377.3	2.39E-07	1.30E-07	-1.09E-07	9.05E-08	5.08E-08	-3.98E-08	4.60E-08	2.58E-08	-2.02E-08	9.05E-08	5.08E-08	-3.98E-08
4596	496863.1	3859377.3	2.20E-07	1.20E-07	-9.98E-08	8.34E-08	4.68E-08	-3.66E-08	4.24E-08	2.38E-08	-1.86E-08	8.34E-08	4.68E-08	-3.66E-08
4597	497363.1	3859377.3	2.20E-07	1.20E-07	-9.98E-08	8.34E-08	4.68E-08	-3.66E-08	4.24E-08	2.38E-08	-1.86E-08	8.34E-08	4.68E-08	-3.66E-08
4598	497863.1	3859377.3	2.28E-07	1.24E-07	-1.04E-07	8.66E-08	4.85E-08	-3.81E-08	4.40E-08	2.47E-08	-1.94E-08	8.66E-08	4.85E-08	-3.81E-08
4599	498363.1	3859377.3	2.36E-07	1.28E-07	-1.08E-07	8.97E-08	5.01E-08	-3.96E-08	4.56E-08	2.55E-08	-2.01E-08	8.97E-08	5.01E-08	-3.96E-08
4600	471363.1	3859877.3	5.00E-08	2.73E-08	-2.27E-08	1.90E-08	1.07E-08	-8.30E-09	9.64E-09	5.42E-09	-4.22E-09	1.90E-08	1.07E-08	-8.30E-09
4601	471863.1	3859877.3	5.13E-08	2.81E-08	-2.33E-08	1.95E-08	1.09E-08	-8.53E-09	9.90E-09	5.57E-09	-4.34E-09	1.95E-08	1.09E-08	-8.53E-09
4602	472363.1	3859877.3	5.22E-08	2.86E-08	-2.37E-08	1.98E-08	1.11E-08	-8.68E-09	1.01E-08	5.67E-09	-4.41E-09	1.98E-08	1.11E-08	-8.68E-09
4603	472863.1	3859877.3	5.40E-08	2.94E-08	-2.46E-08	2.05E-08	1.15E-08	-9.02E-09	1.04E-08	5.84E-09	-4.59E-09	2.05E-08	1.15E-08	-9.02E-09
4604	473363.1	3859877.3	5.54E-08	3.02E-08	-2.52E-08	2.10E-08	1.18E-08	-9.25E-09	1.07E-08	5.98E-09	-4.70E-09	2.10E-08	1.18E-08	-9.25E-09

4605	473863.1	3859877.3	5.67E-08	3.09E-08	-2.58E-08	2.15E-08	1.21E-08	-9.47E-09	1.09E-08	6.13E-09	-4.82E-09	2.15E-08	1.21E-08	-9.47E-09
4606	474363.1	3859877.3	5.45E-08	3.00E-08	-2.44E-08	2.07E-08	1.17E-08	-8.95E-09	1.05E-08	5.96E-09	-4.55E-09	2.07E-08	1.17E-08	-8.95E-09
4607	474863.1	3859877.3	5.09E-08	2.83E-08	-2.26E-08	1.93E-08	1.10E-08	-8.26E-09	9.82E-09	5.62E-09	-4.20E-09	1.93E-08	1.10E-08	-8.26E-09
4608	475363.1	3859877.3	4.41E-08	2.45E-08	-1.96E-08	1.67E-08	9.56E-09	-7.19E-09	8.51E-09	4.86E-09	-3.65E-09	1.67E-08	9.56E-09	-7.19E-09
4609	475863.1	3859877.3	3.78E-08	2.08E-08	-1.70E-08	1.44E-08	8.12E-09	-6.23E-09	7.30E-09	4.13E-09	-3.17E-09	1.44E-08	8.12E-09	-6.23E-09
4610	476363.1	3859877.3	3.38E-08	1.85E-08	-1.53E-08	1.28E-08	7.20E-09	-5.61E-09	6.52E-09	3.66E-09	-2.85E-09	1.28E-08	7.20E-09	-5.61E-09
4611	476863.1	3859877.3	3.56E-08	1.95E-08	-1.61E-08	1.35E-08	7.59E-09	-5.91E-09	6.86E-09	3.86E-09	-3.00E-09	1.35E-08	7.59E-09	-5.91E-09
4612	477363.1	3859877.3	3.69E-08	2.02E-08	-1.67E-08	1.40E-08	7.88E-09	-6.13E-09	7.12E-09	4.01E-09	-3.12E-09	1.40E-08	7.88E-09	-6.13E-09
4613	477863.1	3859877.3	4.23E-08	2.34E-08	-1.89E-08	1.61E-08	9.12E-09	-6.93E-09	8.17E-09	4.64E-09	-3.53E-09	1.61E-08	9.12E-09	-6.93E-09
4614	478363.1	3859877.3	4.91E-08	2.75E-08	-2.16E-08	1.86E-08	1.07E-08	-7.91E-09	9.47E-09	5.45E-09	-4.02E-09	1.86E-08	1.07E-08	-7.91E-09
4615	478863.1	3859877.3	5.81E-08	3.25E-08	-2.56E-08	2.20E-08	1.27E-08	-9.36E-09	1.12E-08	6.45E-09	-4.76E-09	2.20E-08	1.27E-08	-9.36E-09
4616	479363.1	3859877.3	6.89E-08	3.79E-08	-3.10E-08	2.61E-08	1.48E-08	-1.13E-08	1.33E-08	7.52E-09	-5.77E-09	2.61E-08	1.48E-08	-1.13E-08
4617	479863.1	3859877.3	7.75E-08	4.20E-08	-3.55E-08	2.94E-08	1.64E-08	-1.30E-08	1.49E-08	8.33E-09	-6.62E-09	2.94E-08	1.64E-08	-1.30E-08
4618	480363.1	3859877.3	8.47E-08	4.54E-08	-3.92E-08	3.21E-08	1.77E-08	-1.44E-08	1.63E-08	9.01E-09	-7.32E-09	3.21E-08	1.77E-08	-1.44E-08
4619	480863.1	3859877.3	9.01E-08	4.80E-08	-4.20E-08	3.42E-08	1.87E-08	-1.54E-08	1.74E-08	9.53E-09	-7.85E-09	3.42E-08	1.87E-08	-1.54E-08
4620	481363.1	3859877.3	9.46E-08	5.02E-08	-4.43E-08	3.59E-08	1.96E-08	-1.63E-08	1.82E-08	9.96E-09	-8.28E-09	3.59E-08	1.96E-08	-1.63E-08
4621	481863.1	3859877.3	9.91E-08	5.26E-08	-4.65E-08	3.76E-08	2.05E-08	-1.71E-08	1.91E-08	1.04E-08	-8.69E-09	3.76E-08	2.05E-08	-1.71E-08
4622	482363.1	3859877.3	1.04E-07	5.53E-08	-4.92E-08	3.96E-08	2.16E-08	-1.81E-08	2.02E-08	1.10E-08	-9.19E-09	3.96E-08	2.16E-08	-1.81E-08
4623	482863.1	3859877.3	1.09E-07	5.77E-08	-5.17E-08	4.15E-08	2.25E-08	-1.90E-08	2.11E-08	1.15E-08	-9.66E-09	4.15E-08	2.25E-08	-1.90E-08
4624	483363.1	3859877.3	1.16E-07	6.10E-08	-5.48E-08	4.39E-08	2.38E-08	-2.01E-08	2.23E-08	1.21E-08	-1.02E-08	4.39E-08	2.38E-08	-2.01E-08
4625	483863.1	3859877.3	1.26E-07	6.53E-08	-6.04E-08	4.77E-08	2.55E-08	-2.22E-08	2.42E-08	1.29E-08	-1.13E-08	4.77E-08	2.55E-08	-2.22E-08
4626	484363.1	3859877.3	1.33E-07	6.91E-08	-6.42E-08	5.06E-08	2.69E-08	-2.36E-08	2.57E-08	1.37E-08	-1.20E-08	5.06E-08	2.69E-08	-2.36E-08
4627	484863.1	3859877.3	1.42E-07	7.36E-08	-6.82E-08	5.38E-08	2.87E-08	-2.51E-08	2.74E-08	1.46E-08	-1.28E-08	5.38E-08	2.87E-08	-2.51E-08
4628	485363.1	3859877.3	1.54E-07	7.99E-08	-7.41E-08	5.84E-08	3.12E-08	-2.73E-08	2.97E-08	1.59E-08	-1.39E-08	5.84E-08	3.12E-08	-2.73E-08
4629	485863.1	3859877.3	1.71E-07	8.83E-08	-8.24E-08	6.48E-08	3.44E-08	-3.03E-08	3.29E-08	1.75E-08	-1.54E-08	6.48E-08	3.44E-08	-3.03E-08
4630	486363.1	3859877.3	1.90E-07	9.85E-08	-9.20E-08	7.23E-08	3.84E-08	-3.38E-08	3.68E-08	1.95E-08	-1.72E-08	7.23E-08	3.84E-08	-3.38E-08
4631	486863.1	3859877.3	2.14E-07	1.11E-07	-1.03E-07	8.12E-08	4.32E-08	-3.80E-08	4.13E-08	2.20E-08	-1.93E-08	8.12E-08	4.32E-08	-3.80E-08
4632	487363.1	3859877.3	2.39E-07	1.24E-07	-1.15E-07	9.07E-08	4.84E-08	-4.24E-08	4.61E-08	2.46E-08	-2.15E-08	9.07E-08	4.84E-08	-4.24E-08
4633	487863.1	3859877.3	2.72E-07	1.42E-07	-1.30E-07	1.03E-07	5.54E-08	-4.78E-08	5.25E-08	2.82E-08	-2.43E-08	1.03E-07	5.54E-08	-4.78E-08
4634	488363.1	3859877.3	3.11E-07	1.64E-07	-1.47E-07	1.18E-07	6.40E-08	-5.41E-08	6.00E-08	3.25E-08	-2.75E-08	1.18E-07	6.40E-08	-5.41E-08
4635	488863.1	3859877.3	3.86E-07	2.05E-07	-1.81E-07	1.46E-07	8.00E-08	-6.65E-08	7.45E-08	4.07E-08	-3.38E-08	1.46E-07	8.00E-08	-6.65E-08
4636	489363.1	3859877.3	5.20E-07	2.80E-07	-2.41E-07	1.97E-07	1.09E-07	-8.83E-08	1.00E-07	5.55E-08	-4.49E-08	1.97E-07	1.09E-07	-8.83E-08
4637	489863.1	3859877.3	8.19E-07	4.43E-07	-3.76E-07	3.11E-07	1.73E-07	-1.38E-07	1.58E-07	8.78E-08	-7.02E-08	3.11E-07	1.73E-07	-1.38E-07
4638	490363.1	3859877.3	1.84E-06	9.98E-07	-8.43E-07	6.98E-07	3.89E-07	-3.09E-07	3.55E-07	1.98E-07	-1.57E-07	6.98E-07	3.89E-07	-3.09E-07
4639	490863.1	3859877.3	1.40E-05	8.03E-06	-5.94E-06	5.30E-06	3.13E-06	-2.17E-06	2.69E-06	1.59E-06	-1.10E-06	5.30E-06	3.13E-06	-2.17E-06
4640	491363.1	3859877.3	2.70E-06	1.48E-06	-1.23E-06	1.03E-06	5.76E-07	-4.50E-07	5.22E-07	2.93E-07	-2.29E-07	1.03E-06	5.76E-07	-4.50E-07
4641	491863.1	3859877.3	1.37E-06	7.46E-07	-6.23E-07	5.20E-07	2.91E-07	-2.29E-07	2.64E-07	1.48E-07	-1.16E-07	5.20E-07	2.91E-07	-2.29E-07
4642	492363.1	3859877.3	9.30E-07	5.06E-07	-4.24E-07	3.53E-07	1.97E-07	-1.55E-07	1.79E-07	1.00E-07	-7.90E-08	3.53E-07	1.97E-07	-1.55E-07
4643	492863.1	3859877.3	6.82E-07	3.71E-07	-3.12E-07	2.59E-07	1.45E-07	-1.14E-07	1.32E-07	7.35E-08	-5.81E-08	2.59E-07	1.45E-07	-1.14E-07
4644	493363.1	3859877.3	5.62E-07	3.05E-07	-2.57E-07	2.13E-07	1.19E-07	-9.44E-08	1.09E-07	6.05E-08	-4.80E-08	2.13E-07	1.19E-07	-9.44E-08
4645	493863.1	3859877.3	4.84E-07	2.62E-07	-2.22E-07	1.83E-07	1.02E-07	-8.14E-08	9.33E-08	5.19E-08	-4.14E-08	1.83E-07	1.02E-07	-8.14E-08
4646	494363.1	3859877.3	4.17E-07	2.25E-07	-1.91E-07	1.58E-07	8.79E-08	-7.01E-08	8.04E-08	4.47E-08	-3.57E-08	1.58E-07	8.79E-08	-7.01E-08
4647	494863.1	3859877.3	3.81E-07	2.06E-07	-1.75E-07	1.44E-07	8.03E-08	-6.41E-08	7.34E-08	4.08E-08	-3.26E-08	1.44E-07	8.03E-08	-6.41E-08
4648	495363.1	3859877.3	3.44E-07	1.86E-07	-1.58E-07	1.31E-07	7.26E-08	-5.79E-08	6.64E-08	3.69E-08	-2.95E-08	1.31E-07	7.26E-08	-5.79E-08
4649	495863.1	3859877.3	3.13E-07	1.69E-07	-1.43E-07	1.19E-07	6.60E-08	-5.25E-08	6.03E-08	3.36E-08	-2.67E-08	1.19E-07	6.60E-08	-5.25E-08
4650	496363.1	3859877.3	2.76E-07	1.50E-07	-1.26E-07	1.05E-07	5.85E-08	-4.62E-08	5.33E-08	2.98E-08	-2.35E-08	1.05E-07	5.85E-08	-4.62E-08
4651	496863.1	3859877.3	2.29E-07	1.25E-07	-1.04E-07	8.68E-08	4.87E-08	-3.81E-08	4.41E-08	2.48E-08	-1.94E-08	8.68E-08	4.87E-08	-3.81E-08
4652	497363.1	3859877.3	2.43E-07	1.32E-07	-1.10E-07	9.21E-08	5.16E-08	-4.05E-08	4.68E-08	2.63E-08	-2.06E-08	9.21E-08	5.16E-08	-4.05E-08
4653	497863.1	3859877.3	2.63E-07	1.43E-07	-1.20E-07	9.98E-08	5.57E-08	-4.41E-08	5.07E-08	2.83E-08	-2.24E-08	9.98E-08	5.57E-08	-4.41E-08
4654	498363.1	3859877.3	2.73E-07	1.48E-07	-1.25E-07	1.04E-07	5.78E-08	-4.59E-08	5.27E-08	2.94E-08	-2.33E-08	1.04E-07	5.78E-08	-4.59E-08
4655	471363.1	3860377.3	4.91E-08	2.67E-08	-2.24E-08	1.86E-08	1.04E-08	-8.20E-09	9.47E-09	5.30E-09	-4.17E-09	1.86E-08	1.04E-08	-8.20E-09
4656	471863.1	3860377.3	5.00E-08	2.72E-08	-2.28E-08	1.90E-08	1.06E-08	-8.35E-09	9.64E-09	5.40E-09	-4.25E-09	1.90E-08	1.06E-08	-8.35E-09
4657	472363.1	3860377.3	5.13E-08	2.80E-08	-2.34E-08	1.95E-08	1.09E-08	-8.57E-09	9.90E-09	5.54E-09	-4.36E-09	1.95E-08	1.09E-08	-8.57E-09
4658	472863.1	3860377.3	5.27E-08	2.87E-08	-2.40E-08	2.00E-08	1.12E-08	-8.80E-09	1.02E-08	5.69E-09	-4.47E-09	2.00E-08	1.12E-08	-8.80E-09
4659	473363.1	3860377.3	5.40E-08	2.94E-08	-2.46E-08	2.05E-08	1.15E-08	-9.02E-09	1.04E-08	5.84E-09	-4.59E-09	2.05E-08	1.15E-08	-9.02E-09
4660	473863.1	3860377.3	5.49E-08	2.99E-08	-2.50E-08	2.08E-08	1.17E-08	-9.17E-09	1.06E-08	5.93E-09	-4.66E-09	2.08E-08	1.17E-08	-9.17E-09
4661	474363.1	3860377.3	5.49E-08	3.00E-08	-2.49E-08	2.08E-08	1.17E-08	-9.12E-09	1.06E-08	5.96E-09	-4.64E-09	2.08E-08	1.17E-08	-9.12E-09
4662	474863.1	3860377.3	5.40E-08	2.97E-08	-2.44E-08	2.05E-08	1.16E-08	-8.93E-09	1.04E-08	5.89E-09	-4.54E-09	2.05E-08	1.16E-08	-8.93E-09
4663	475363.1	3860377.3	5.09E-08	2.82E-08	-2.27E-08	1.93E-08	1.10E-08	-8.31E-09	9.82E-09	5.59E-09	-4.22E-09	1.93E-08	1.10E-08	-8.31E-09
4664	475863.1	3860377.3	4.82E-08	2.67E-08	-2.15E-08	1.83E-08	1.04E-08	-7.86E-09	9.30E-09	5.30E-09	-4.00E-09	1.83E-08	1.04E-08	-7.86E-09
4665	476363.1	3860377.3	4.41E-08	2.46E-08	-1.95E-08	1.67E-08	9.61E-09	-7.14E-09	8.51E-09	4.88E-09	-3.63E-09	1.67E-08	9.61E-09	-7.14E-09
4666	476863.1	3860377.3	4.32E-08	2.40E-08	-1.92E-08	1.64E-08	9.37E-09	-7.04E-09	8.34E-09	4.76E-09	-3.58E-09	1.64E-08	9.37E-09	-7.04E-09
4667	477363.1	3860377.3	3.87E-08	2.13E-08	-1.74E-08	1.47E-08	8.31E-09	-6.38E-09	7.47E-09	4.23E-09	-3.25E-09	1.47E-08	8.31E-09	-6.38E-09
4668	477863.1	3860377.3	4.14E-08	2.29E-08	-1.85E-08	1.57E-08	8.93E-09	-6.78E-09	7.99E-09	4.54E-09	-3.45E-09	1.57E-08	8.93E-09	-6.78E-09
4669	478363.1	3860377.3	4.86E-08	2.72E-08	-2.14E-08	1.85E-08	1.06E-08	-7.84E-09	9.38E-09	5.40E-09	-3.99E-09	1.85E-08	1.06E-08	-7.84E-09
4670	478863.1	3860377.3	5.67E-08	3.15E-08	-2.52E-08	2.15E-08	1.23E-08	-9.23E-09	1.09E-08	6.25E-09	-4.69E-09	2.15E-08	1.23E-08	-9.23E-09
4671	479363.1	3860377.3	6.62E-08	3.63E-08	-2.99E-08	2.51E-08	1.42E-08	-1.09E-08	1.28E-08	7.20E-09	-5.57E-09	2.51E-08	1.42E-08	-1.09E-08
4672	479863.1	3860377.3	7.43E-08	4.03E-08	-3.40E-08	2.82E-08	1.57E-08	-1.25E-08	1.43E-08	7.99E-09	-6.35E-09	2.82E-08	1.57E-08	-1.25E-08
4673	480363.1	3860377.3	8.06E-08	4.32E-08	-3.74E-08	3.06E-08	1.69E-08	-1.37E-08	1.56E-08	8.57E-09	-6.98E-09	3.06E-08	1.69E-08	-1.37E-08
4674	480863.1	3860377.3	8.60E-08	4.58E-08	-4.02E-08	3.26E-08	1.79E-08	-1.48E-08	1.66E-08	9.09E-09	-7.51E-09	3.26E-08	1.79E-08	-1.48E-08
4675	481363.1	3860377.3	8.92E-08	4.75E-08	-4.16E-08	3.38E-08	1.85E-08	-1.53E-08	1.72E-08	9.43E-09	-7.78E-09	3.38E-08	1.85E-08	-1.53E-08
4676	481863.1	3860377.3	9.46E-08	5.02E-08	-4.43E-08	3.59E-08	1.96E-08	-1.63E-08	1.82E-08	9.96E-09	-8.28E-09	3.59E-08	1.96E-08	-1.63E-08
4677	482363.1	3860377.3	9.91E-08	5.25E-08	-4.66E-08	3.76E-08	2.05E-08	-1.71E-08	1.91E-08	1.04E-08	-8.71E-09	3.76E-08	2.05E-08	-1.71E-08
4678	482863.1	3860377.3	1.03E-07	5.44E-08	-4.83E-08	3.90E-08	2.12E-08	-1.77E-08	1.98E-08	1.08E-08	-9.01E-09	3.90E-08	2.12E-08	-1.77E-08
4679	483363.1	3860377.3	1.09E-07	5.75E-08	-5.15E-08	4.13E-08	2.24E-08	-1.89E-08	2.10E-08	1.14E-08	-9.62E-09	4.13E-08	2.24E-08	-1.89E-08
4680	483863.1	3860377.3	1.14E-07	6.01E-08	-5.38E-08	4.32E-08	2.34E-08	-1.98E-08	2.20E-08	1.19E-08	-1.01E-08	4.32E-08	2.34E-08	-1.98E-08
4681	484363.1	3860377.3	1.21E-07	6.35E-08	-5.76E-08	4.60E-08	2.48E-08	-2.12E-08	2.34E-08	1.26E-08	-1.08E-08	4.60E-08	2.48E-08	-2.12E-08
4682	484863.1	3860377.3	1.27E-07	6.67E-08	-6.03E-08	4.82E-08	2.60E-08	-2.21E-08	2.45E-08	1.32E-08	-1.13E-08	4.82E-08	2.60E-08	-2.21E-08
4683	485363.1	3860377.3	1.34E-07	7.06E-08	-6.36E-08	5.09E-08	2.75E-08	-2.34E-08	2.59E-08	1.40E-08	-1.19E-08	5.09E-08	2.75E-08	-2.34E-08
4684	485863.1	3860377.3	1.45E-07	7.61E-08	-6.89E-08	5.50E-08	2.97E-08	-2.53E-08	2.80E-08	1.51E-08	-1.29E-08	5.50E-08	2.97E-08	-2.53E-08
4685	486363.1	3860377.3	1.58E-07	8.29E-08	-7.52E-08	6.00E-08	3.23E-08	-2.76E-08	3.05E-08	1.64E-08	-1.41E-08	6.00E-08	3.23E-08	-2.76E-08
4686	486863.1	3860377.3	1.72E-07	9.05E-08	-8.20E-08	6.54E-08	3.53E-08	-3.01E-08	3.33E-08	1.80E-08	-1.53E-08	6.54E-08	3.53E-08	-3.01E-08
4687	487363.1	3860377.3	1.90E-07	9.97E-08	-9.03E-08	7.21E-08	3.89E-08	-3.32E-08	3.67E-08	1.98E-08	-1.69E-08	7.21E-08	3.89E-08	-3.32E-08
4688	487863.1	3860377.3	2.13E-07	1.13E-07	-1.01E-07	8.10E-08	4.39E-08	-3.71E-08	4.12E-08	2.23E-08	-1.89E-08	8.10E-08	4.39E-08	-3.71E-08
4689	488363.1	3860377.3	2.40E-07	1.28E-07	-1.12E-07	9.11E-08	4.98E-08	-4.13E-08	4.63E-08	2.53E-08	-2.10E-08	9.11E-08	4.98E-08	-4.13E-08
4690	488863.1	3860377.3	2.75E-07	1.48E-07	-1.28E-07	1.04E-07	5.75E-08	-4.69E-08	5.31E-08	2.93E-08	-2.38E-08	1.04E-07	5.75E-08	-4.69E-08
4691	489363.1	3860377.3	3.23E-07	1.74E-07	-1.49E-07	1.23E-07	6.80E-08	-5.47E-08	6.24E-08	3.46E-08	-2.78E-08	1.23E-07	6.80E-08	-5.47E-08
4692	489863.1	3860377.3	3.89E-07	2.10E-07	-1.79E-07	1.48E-07	8.21E-08	-6.55E-08	7.51E-08	4.17E-08	-3.33E-08	1.48E-07	8.21E-08	-6.55E-08
4693	490363.1	3860377.3	4.99E-07	2.70E-07	-2.29E-07	1.89E-07	1.05E-07	-8.38E-08	9.63E-08	5.36E-08	-4.26E-08	1.89E-07	1.05E-07	-8.38E-08
4694	490863.1	3860377.3	7.55E-07	4.10E-07	-3.45E-07	2.86E-07	1.60E-07	-1.26E-07	1.46E-07	8.13E-08	-6.43E-08	2.86E-07	1.60E-07	-1.26E-07
4695	491363.1	3860377.3	2.28E-06	1.23E-06	-1.05E-06	8.65E-07	4.80E-07	-3.84E-07	4.40E-07	2.44E-07	-1.95E-07	8.65E-07	4.80E-07	-3.84E-07
4696	491863.1	3860377.3	3.91E-06	2.17E-06	-1.74E-06	1.48E-06	8.47E-07	-6.36E-07	7.54E-07	4.31E-07	-3.24E-07	1.48E-06	8.47E-07	-6.36E-07
4697	492363.1	3860377.3	1.57E-06	8.65E-07	-7.07E-07	5.96E-07	3.37E-07	-2.59E-07	3.03E-07	1.72E-07	-1.32E-07	5.96E-07	3.37E-07	-2.59E-07
4698	492863.1	3860377.3	1.06E-06	5.78E-07	-4.78E-07	4.01E-07	2.25E-07	-1.75E-07	2.04E-07	1.15E-07	-8.92E-08	4.01E-07	2.25E-07	-1.75E-07

4699	493363.1	3860377.3	7.64E-07	4.17E-07	-3.47E-07	2.90E-07	1.63E-07	-1.27E-07	1.47E-07	8.27E-08	-6.47E-08	2.90E-07	1.63E-07	-1.27E-07
4700	493863.1	3860377.3	6.56E-07	3.57E-07	-2.99E-07	2.49E-07	1.39E-07	-1.09E-07	1.27E-07	7.08E-08	-5.57E-08	2.49E-07	1.39E-07	-1.09E-07
4701	494363.1	3860377.3	5.49E-07	2.98E-07	-2.50E-07	2.08E-07	1.16E-07	-9.18E-08	1.06E-07	5.91E-08	-4.67E-08	2.08E-07	1.16E-07	-9.18E-08
4702	494863.1	3860377.3	5.05E-07	2.74E-07	-2.31E-07	1.92E-07	1.07E-07	-8.48E-08	9.75E-08	5.44E-08	-4.31E-08	1.92E-07	1.07E-07	-8.48E-08
4703	495363.1	3860377.3	4.46E-07	2.42E-07	-2.04E-07	1.69E-07	9.44E-08	-7.49E-08	8.61E-08	4.80E-08	-3.81E-08	1.69E-07	9.44E-08	-7.49E-08
4704	495863.1	3860377.3	3.78E-07	2.05E-07	-1.73E-07	1.44E-07	8.00E-08	-6.35E-08	7.30E-08	4.07E-08	-3.23E-08	1.44E-07	8.00E-08	-6.35E-08
4705	496363.1	3860377.3	3.30E-07	1.79E-07	-1.51E-07	1.25E-07	6.98E-08	-5.53E-08	6.36E-08	3.55E-08	-2.81E-08	1.25E-07	6.98E-08	-5.53E-08
4706	496863.1	3860377.3	2.98E-07	1.62E-07	-1.36E-07	1.13E-07	6.32E-08	-4.99E-08	5.75E-08	3.21E-08	-2.54E-08	1.13E-07	6.32E-08	-4.99E-08
4707	497363.1	3860377.3	2.66E-07	1.45E-07	-1.21E-07	1.01E-07	5.65E-08	-4.43E-08	5.13E-08	2.87E-08	-2.25E-08	1.01E-07	5.65E-08	-4.43E-08
4708	497863.1	3860377.3	2.82E-07	1.53E-07	-1.29E-07	1.07E-07	5.98E-08	-4.72E-08	5.44E-08	3.04E-08	-2.40E-08	1.07E-07	5.98E-08	-4.72E-08
4709	498363.1	3860377.3	3.01E-07	1.63E-07	-1.38E-07	1.14E-07	6.36E-08	-5.05E-08	5.80E-08	3.24E-08	-2.57E-08	1.14E-07	6.36E-08	-5.05E-08
4710	471363.1	3860877.3	4.82E-08	2.62E-08	-2.20E-08	1.83E-08	1.02E-08	-8.05E-09	9.30E-09	5.20E-09	-4.09E-09	1.83E-08	1.02E-08	-8.05E-09
4711	471863.1	3860877.3	4.91E-08	2.67E-08	-2.24E-08	1.86E-08	1.04E-08	-8.20E-09	9.47E-09	5.30E-09	-4.17E-09	1.86E-08	1.04E-08	-8.20E-09
4712	472363.1	3860877.3	5.04E-08	2.73E-08	-2.31E-08	1.91E-08	1.07E-08	-8.47E-09	9.73E-09	5.42E-09	-4.31E-09	1.91E-08	1.07E-08	-8.47E-09
4713	472863.1	3860877.3	5.13E-08	2.80E-08	-2.34E-08	1.95E-08	1.09E-08	-8.57E-09	9.90E-09	5.54E-09	-4.36E-09	1.95E-08	1.09E-08	-8.57E-09
4714	473363.1	3860877.3	5.27E-08	2.86E-08	-2.41E-08	2.00E-08	1.11E-08	-8.85E-09	1.02E-08	5.67E-09	-4.50E-09	2.00E-08	1.11E-08	-8.85E-09
4715	473863.1	3860877.3	5.36E-08	2.91E-08	-2.45E-08	2.03E-08	1.13E-08	-9.00E-09	1.03E-08	5.76E-09	-4.58E-09	2.03E-08	1.13E-08	-9.00E-09
4716	474363.1	3860877.3	5.45E-08	2.96E-08	-2.49E-08	2.07E-08	1.15E-08	-9.15E-09	1.05E-08	5.86E-09	-4.65E-09	2.07E-08	1.15E-08	-9.15E-09
4717	474863.1	3860877.3	5.54E-08	3.00E-08	-2.53E-08	2.10E-08	1.17E-08	-9.30E-09	1.07E-08	5.96E-09	-4.73E-09	2.10E-08	1.17E-08	-9.30E-09
4718	475363.1	3860877.3	5.49E-08	2.99E-08	-2.50E-08	2.08E-08	1.17E-08	-9.17E-09	1.06E-08	5.93E-09	-4.66E-09	2.08E-08	1.17E-08	-9.17E-09
4719	475863.1	3860877.3	5.36E-08	2.94E-08	-2.42E-08	2.03E-08	1.15E-08	-8.85E-09	1.03E-08	5.84E-09	-4.50E-09	2.03E-08	1.15E-08	-8.85E-09
4720	476363.1	3860877.3	5.09E-08	2.82E-08	-2.27E-08	1.93E-08	1.10E-08	-8.31E-09	9.82E-09	5.59E-09	-4.22E-09	1.93E-08	1.10E-08	-8.31E-09
4721	476863.1	3860877.3	5.00E-08	2.77E-08	-2.23E-08	1.90E-08	1.08E-08	-8.16E-09	9.64E-09	5.50E-09	-4.15E-09	1.90E-08	1.08E-08	-8.16E-09
4722	477363.1	3860877.3	5.04E-08	2.81E-08	-2.24E-08	1.91E-08	1.09E-08	-8.18E-09	9.73E-09	5.57E-09	-4.16E-09	1.91E-08	1.09E-08	-8.18E-09
4723	477863.1	3860877.3	4.82E-08	2.68E-08	-2.13E-08	1.83E-08	1.05E-08	-7.81E-09	9.30E-09	5.32E-09	-3.97E-09	1.83E-08	1.05E-08	-7.81E-09
4724	478363.1	3860877.3	4.23E-08	2.34E-08	-1.89E-08	1.61E-08	9.12E-09	-6.93E-09	8.17E-09	4.64E-09	-3.53E-09	1.61E-08	9.12E-09	-6.93E-09
4725	478863.1	3860877.3	5.36E-08	2.98E-08	-2.38E-08	2.03E-08	1.16E-08	-8.71E-09	1.03E-08	5.91E-09	-4.43E-09	2.03E-08	1.16E-08	-8.71E-09
4726	479363.1	3860877.3	6.35E-08	3.47E-08	-2.88E-08	2.41E-08	1.35E-08	-1.05E-08	1.23E-08	6.89E-09	-5.36E-09	2.41E-08	1.35E-08	-1.05E-08
4727	479863.1	3860877.3	7.07E-08	3.83E-08	-3.24E-08	2.68E-08	1.49E-08	-1.19E-08	1.36E-08	7.60E-09	-6.04E-09	2.68E-08	1.49E-08	-1.19E-08
4728	480363.1	3860877.3	7.66E-08	4.11E-08	-3.54E-08	2.90E-08	1.60E-08	-1.30E-08	1.48E-08	8.16E-09	-6.61E-09	2.90E-08	1.60E-08	-1.30E-08
4729	480863.1	3860877.3	8.02E-08	4.29E-08	-3.73E-08	3.04E-08	1.67E-08	-1.37E-08	1.55E-08	8.50E-09	-6.97E-09	3.04E-08	1.67E-08	-1.37E-08
4730	481363.1	3860877.3	8.38E-08	4.48E-08	-3.89E-08	3.18E-08	1.75E-08	-1.43E-08	1.62E-08	8.89E-09	-7.27E-09	3.18E-08	1.75E-08	-1.43E-08
4731	481863.1	3860877.3	8.78E-08	4.68E-08	-4.10E-08	3.33E-08	1.82E-08	-1.51E-08	1.69E-08	9.28E-09	-7.66E-09	3.33E-08	1.82E-08	-1.51E-08
4732	482363.1	3860877.3	9.19E-08	4.88E-08	-4.31E-08	3.49E-08	1.90E-08	-1.58E-08	1.77E-08	9.67E-09	-8.05E-09	3.49E-08	1.90E-08	-1.58E-08
4733	482863.1	3860877.3	9.50E-08	5.05E-08	-4.45E-08	3.60E-08	1.97E-08	-1.64E-08	1.83E-08	1.00E-08	-8.32E-09	3.60E-08	1.97E-08	-1.64E-08
4734	483363.1	3860877.3	9.95E-08	5.28E-08	-4.67E-08	3.78E-08	2.06E-08	-1.72E-08	1.92E-08	1.05E-08	-8.72E-09	3.78E-08	2.06E-08	-1.72E-08
4735	483863.1	3860877.3	1.04E-07	5.54E-08	-4.91E-08	3.96E-08	2.16E-08	-1.80E-08	2.02E-08	1.10E-08	-9.17E-09	3.96E-08	2.16E-08	-1.80E-08
4736	484363.1	3860877.3	1.10E-07	5.84E-08	-5.20E-08	4.19E-08	2.28E-08	-1.91E-08	2.13E-08	1.16E-08	-9.71E-09	4.19E-08	2.28E-08	-1.91E-08
4737	484863.1	3860877.3	1.15E-07	6.08E-08	-5.40E-08	4.36E-08	2.37E-08	-1.98E-08	2.22E-08	1.21E-08	-1.01E-08	4.36E-08	2.37E-08	-1.98E-08
4738	485363.1	3860877.3	1.20E-07	6.39E-08	-5.63E-08	4.56E-08	2.49E-08	-2.07E-08	2.32E-08	1.27E-08	-1.05E-08	4.56E-08	2.49E-08	-2.07E-08
4739	485863.1	3860877.3	1.28E-07	6.82E-08	-6.01E-08	4.87E-08	2.66E-08	-2.21E-08	2.48E-08	1.35E-08	-1.12E-08	4.87E-08	2.66E-08	-2.21E-08
4740	486363.1	3860877.3	1.37E-07	7.29E-08	-6.45E-08	5.21E-08	2.84E-08	-2.37E-08	2.65E-08	1.45E-08	-1.20E-08	5.21E-08	2.84E-08	-2.37E-08
4741	486863.1	3860877.3	1.48E-07	7.86E-08	-6.96E-08	5.62E-08	3.06E-08	-2.56E-08	2.86E-08	1.56E-08	-1.30E-08	5.62E-08	3.06E-08	-2.56E-08
4742	487363.1	3860877.3	1.59E-07	8.45E-08	-7.50E-08	6.05E-08	3.29E-08	-2.75E-08	3.08E-08	1.68E-08	-1.40E-08	6.05E-08	3.29E-08	-2.75E-08
4743	487863.1	3860877.3	1.73E-07	9.19E-08	-8.15E-08	6.58E-08	3.58E-08	-2.99E-08	3.34E-08	1.82E-08	-1.52E-08	6.58E-08	3.58E-08	-2.99E-08
4744	488363.1	3860877.3	1.91E-07	1.02E-07	-8.94E-08	7.24E-08	3.96E-08	-3.28E-08	3.68E-08	2.01E-08	-1.67E-08	7.24E-08	3.96E-08	-3.28E-08
4745	488863.1	3860877.3	2.08E-07	1.12E-07	-9.65E-08	7.89E-08	4.35E-08	-3.54E-08	4.01E-08	2.21E-08	-1.80E-08	7.89E-08	4.35E-08	-3.54E-08
4746	489363.1	3860877.3	2.32E-07	1.26E-07	-1.07E-07	8.82E-08	4.90E-08	-3.92E-08	4.48E-08	2.49E-08	-1.99E-08	8.82E-08	4.90E-08	-3.92E-08
4747	489863.1	3860877.3	2.67E-07	1.45E-07	-1.22E-07	1.01E-07	5.65E-08	-4.48E-08	5.15E-08	2.87E-08	-2.28E-08	1.01E-07	5.65E-08	-4.48E-08
4748	490363.1	3860877.3	3.22E-07	1.74E-07	-1.48E-07	1.22E-07	6.80E-08	-5.42E-08	6.21E-08	3.46E-08	-2.75E-08	1.22E-07	6.80E-08	-5.42E-08
4749	490863.1	3860877.3	4.13E-07	2.24E-07	-1.89E-07	1.57E-07	8.75E-08	-6.92E-08	7.97E-08	4.45E-08	-3.52E-08	1.57E-07	8.75E-08	-6.92E-08
4750	491363.1	3860877.3	5.94E-07	3.23E-07	-2.71E-07	2.26E-07	1.26E-07	-9.95E-08	1.15E-07	6.41E-08	-5.06E-08	2.26E-07	1.26E-07	-9.95E-08
4751	491863.1	3860877.3	1.29E-06	7.03E-07	-5.91E-07	4.91E-07	2.74E-07	-2.17E-07	2.50E-07	1.39E-07	-1.10E-07	4.91E-07	2.74E-07	-2.17E-07
4752	492363.1	3860877.3	6.93E-06	3.81E-06	-3.13E-06	2.63E-06	1.49E-06	-1.14E-06	1.34E-06	7.55E-07	-5.82E-07	2.63E-06	1.49E-06	-1.14E-06
4753	492863.1	3860877.3	2.04E-06	1.12E-06	-9.22E-07	7.74E-07	4.36E-07	-3.38E-07	3.93E-07	2.22E-07	-1.72E-07	7.74E-07	4.36E-07	-3.38E-07
4754	493363.1	3860877.3	1.29E-06	7.04E-07	-5.82E-07	4.88E-07	2.75E-07	-2.13E-07	2.48E-07	1.40E-07	-1.08E-07	4.88E-07	2.75E-07	-2.13E-07
4755	493863.1	3860877.3	1.01E-06	5.50E-07	-4.56E-07	3.81E-07	2.14E-07	-1.67E-07	1.94E-07	1.09E-07	-8.50E-08	3.81E-07	2.14E-07	-1.67E-07
4756	494363.1	3860877.3	8.47E-07	4.62E-07	-3.85E-07	3.21E-07	1.80E-07	-1.41E-07	1.63E-07	9.17E-08	-7.17E-08	3.21E-07	1.80E-07	-1.41E-07
4757	494863.1	3860877.3	7.25E-07	3.96E-07	-3.30E-07	2.75E-07	1.54E-07	-1.21E-07	1.40E-07	7.85E-08	-6.15E-08	2.75E-07	1.54E-07	-1.21E-07
4758	495363.1	3860877.3	6.34E-07	3.46E-07	-2.89E-07	2.41E-07	1.35E-07	-1.06E-07	1.22E-07	6.85E-08	-5.38E-08	2.41E-07	1.35E-07	-1.06E-07
4759	495863.1	3860877.3	5.75E-07	3.13E-07	-2.62E-07	2.18E-07	1.22E-07	-9.60E-08	1.11E-07	6.21E-08	-4.88E-08	2.18E-07	1.22E-07	-9.60E-08
4760	496363.1	3860877.3	4.92E-07	2.67E-07	-2.24E-07	1.87E-07	1.04E-07	-8.23E-08	9.49E-08	5.30E-08	-4.18E-08	1.87E-07	1.04E-07	-8.23E-08
4761	496863.1	3860877.3	4.01E-07	2.18E-07	-1.83E-07	1.52E-07	8.50E-08	-6.70E-08	7.73E-08	4.32E-08	-3.41E-08	1.52E-07	8.50E-08	-6.70E-08
4762	497363.1	3860877.3	3.76E-07	2.04E-07	-1.72E-07	1.43E-07	7.97E-08	-6.29E-08	7.25E-08	4.05E-08	-3.20E-08	1.43E-07	7.97E-08	-6.29E-08
4763	497863.1	3860877.3	3.45E-07	1.87E-07	-1.57E-07	1.31E-07	7.30E-08	-5.76E-08	6.65E-08	3.71E-08	-2.93E-08	1.31E-07	7.30E-08	-5.76E-08
4764	498363.1	3860877.3	3.48E-07	1.89E-07	-1.59E-07	1.32E-07	7.38E-08	-5.82E-08	6.72E-08	3.75E-08	-2.96E-08	1.32E-07	7.38E-08	-5.82E-08
4765	471363.1	3861377.3	4.73E-08	2.57E-08	-2.16E-08	1.79E-08	1.00E-08	-7.90E-09	9.12E-09	5.10E-09	-4.02E-09	1.79E-08	1.00E-08	-7.90E-09
4766	471863.1	3861377.3	4.82E-08	2.62E-08	-2.20E-08	1.83E-08	1.02E-08	-8.05E-09	9.30E-09	5.20E-09	-4.09E-09	1.83E-08	1.02E-08	-8.05E-09
4767	472363.1	3861377.3	4.91E-08	2.67E-08	-2.24E-08	1.86E-08	1.04E-08	-8.20E-09	9.47E-09	5.30E-09	-4.17E-09	1.86E-08	1.04E-08	-8.20E-09
4768	472863.1	3861377.3	5.04E-08	2.73E-08	-2.31E-08	1.91E-08	1.07E-08	-8.47E-09	9.73E-09	5.42E-09	-4.31E-09	1.91E-08	1.07E-08	-8.47E-09
4769	473363.1	3861377.3	5.13E-08	2.78E-08	-2.35E-08	1.95E-08	1.09E-08	-8.62E-09	9.90E-09	5.52E-09	-4.38E-09	1.95E-08	1.09E-08	-8.62E-09
4770	473863.1	3861377.3	5.22E-08	2.83E-08	-2.39E-08	1.98E-08	1.10E-08	-8.77E-09	1.01E-08	5.62E-09	-4.46E-09	1.98E-08	1.10E-08	-8.77E-09
4771	474363.1	3861377.3	5.31E-08	2.88E-08	-2.43E-08	2.02E-08	1.12E-08	-8.92E-09	1.03E-08	5.72E-09	-4.54E-09	2.02E-08	1.12E-08	-8.92E-09
4772	474863.1	3861377.3	5.40E-08	2.93E-08	-2.47E-08	2.05E-08	1.14E-08	-9.07E-09	1.04E-08	5.81E-09	-4.61E-09	2.05E-08	1.14E-08	-9.07E-09
4773	475363.1	3861377.3	5.54E-08	2.99E-08	-2.55E-08	2.10E-08	1.17E-08	-9.34E-09	1.07E-08	5.93E-09	-4.75E-09	2.10E-08	1.17E-08	-9.34E-09
4774	475863.1	3861377.3	5.58E-08	3.03E-08	-2.56E-08	2.12E-08	1.18E-08	-9.37E-09	1.08E-08	6.01E-09	-4.77E-09	2.12E-08	1.18E-08	-9.37E-09
4775	476363.1	3861377.3	5.54E-08	3.02E-08	-2.52E-08	2.10E-08	1.18E-08	-9.25E-09	1.07E-08	5.98E-09	-4.70E-09	2.10E-08	1.18E-08	-9.25E-09
4776	476863.1	3861377.3	5.49E-08	3.00E-08	-2.49E-08	2.08E-08	1.17E-08	-9.12E-09	1.06E-08	5.96E-09	-4.64E-09	2.08E-08	1.17E-08	-9.12E-09
4777	477363.1	3861377.3	5.49E-08	3.02E-08	-2.48E-08	2.08E-08	1.18E-08	-9.08E-09	1.06E-08	5.98E-09	-4.62E-09	2.08E-08	1.18E-08	-9.08E-09
4778	477863.1	3861377.3	5.09E-08	2.82E-08	-2.27E-08	1.93E-08	1.10E-08	-8.31E-09	9.82E-09	5.59E-09	-4.22E-09	1.93E-08	1.10E-08	-8.31E-09
4779	478363.1	3861377.3	4.28E-08	2.38E-08	-1.90E-08	1.62E-08	9.27E-09	-6.96E-09	8.25E-09	4.71E-09	-3.54E-09	1.62E-08	9.27E-09	-6.96E-09
4780	478863.1	3861377.3	4.59E-08	2.56E-08	-2.03E-08	1.74E-08	9.99E-09	-7.44E-09	8.86E-09	5.08E-09	-3.78E-09	1.74E-08	9.99E-09	-7.44E-09
4781	479363.1	3861377.3	5.90E-08	3.25E-08	-2.65E-08	2.24E-08	1.27E-08	-9.70E-09	1.14E-08	6.45E-09	-4.93E-09	2.24E-08	1.27E-08	-9.70E-09
4782	479863.1	3861377.3	6.67E-08	3.62E-08	-3.04E-08	2.53E-08	1.41E-08	-1.12E-08	1.29E-08	7.18E-09	-5.68E-09	2.53E-08	1.41E-08	-1.12E-08
4783	480363.1	3861377.3	7.25E-08	3.90E-08	-3.35E-08	2.75E-08	1.52E-08	-1.23E-08	1.40E-08	7.74E-09	-6.25E-09	2.75E-08	1.52E-08	-1.23E-08
4784	480863.1	3861377.3	7.61E-08	4.08E-08	-3.54E-08	2.89E-08	1.59E-08	-1.30E-08	1.47E-08	8.08E-09	-6.60E-09	2.89E-08	1.59E-08	-1.30E-08
4785	481363.1	3861377.3	7.93E-08	4.24E-08	-3.69E-08	3.01E-08	1.65E-08	-1.35E-08	1.53E-08	8.40E-09	-6.89E-09	3.01E-08	1.65E-08	-1.35E-08
4786	481863.1	3861377.3	8.29E-08	4.41E-08	-3.88E-08	3.14E-08	1.72E-08	-1.42E-08	1.60E-08	8.74E-09	-7.24E-09	3.14E-08	1.72E-08	-1.42E-08
4787	482363.1	3861377.3	8.60E-08	4.57E-08	-4.03E-08	3.26E-08	1.78E-08	-1.48E-08	1.66E-08	9.06E-09	-7.53E-09	3.26E-08	1.78E-08	-1.48E-08
4788	482863.1	3861377.3	8.83E-08	4.70E-08	-4.12E-08	3.35E-08	1.83E-08	-1.51E-08	1.70E-08	9.33E-09	-7.70E-09	3.35E-08	1.83E-08	-1.51E-08
4789	483363.1	3861377.3	9.19E-08	4.89E-08	-4.30E-08	3.49E-08	1.91E-08	-1.58E-08	1.77E-08	9.70E-09	-8.03E-09	3.49E-08	1.91E-08	-1.58E-08
4790	483863.1	3861377.3	9.55E-08	5.09E-08	-4.46E-08	3.62E-08	1.98E-08	-1.64E-08	1.84E-08	1.01E-08	-8.33E-09	3.62E-08	1.98E-08	-1.64E-08
4791	484363.1	3861377.3	9.95E-08	5.31E-08	-4.65E-08	3.78E-08	2.07E-08	-1.71E-08	1.92E-08	1.05E-08	-8.67E-09	3.78E-08	2.07E-08	-1.71E-08
4792	484863.1	3861377.3	1.04E-07	5.53E-08	-4.83E-08	3.93E-08	2.16E-08	-1.77E-08	2.00E-08	1.10E-08	-9.02E-09	3.93E-08	2.16E-08	-1.77E-08

4793	485363.1	3861377.3	1.07E-07	5.73E-08	-4.99E-08	4.07E-08	2.23E-08	-1.83E-08	2.07E-08	1.14E-08	-9.32E-09	4.07E-08	2.23E-08	-1.83E-08
4794	485863.1	3861377.3	1.12E-07	6.01E-08	-5.20E-08	4.25E-08	2.34E-08	-1.91E-08	2.16E-08	1.19E-08	-9.72E-09	4.25E-08	2.34E-08	-1.91E-08
4795	486363.1	3861377.3	1.19E-07	6.38E-08	-5.56E-08	4.53E-08	2.49E-08	-2.04E-08	2.30E-08	1.27E-08	-1.04E-08	4.53E-08	2.49E-08	-2.04E-08
4796	486863.1	3861377.3	1.28E-07	6.82E-08	-5.97E-08	4.85E-08	2.66E-08	-2.19E-08	2.47E-08	1.35E-08	-1.11E-08	4.85E-08	2.66E-08	-2.19E-08
4797	487363.1	3861377.3	1.37E-07	7.29E-08	-6.40E-08	5.19E-08	2.84E-08	-2.35E-08	2.64E-08	1.45E-08	-1.20E-08	5.19E-08	2.84E-08	-2.35E-08
4798	487863.1	3861377.3	1.47E-07	7.82E-08	-6.86E-08	5.57E-08	3.05E-08	-2.52E-08	2.83E-08	1.55E-08	-1.28E-08	5.57E-08	3.05E-08	-2.52E-08
4799	488363.1	3861377.3	1.59E-07	8.43E-08	-7.42E-08	6.01E-08	3.29E-08	-2.72E-08	3.06E-08	1.67E-08	-1.39E-08	6.01E-08	3.29E-08	-2.72E-08
4800	488863.1	3861377.3	1.72E-07	9.19E-08	-7.97E-08	6.51E-08	3.58E-08	-2.93E-08	3.31E-08	1.82E-08	-1.49E-08	6.51E-08	3.58E-08	-2.93E-08
4801	489363.1	3861377.3	1.86E-07	1.00E-07	-8.54E-08	7.04E-08	3.90E-08	-3.13E-08	3.58E-08	1.99E-08	-1.59E-08	7.04E-08	3.90E-08	-3.13E-08
4802	489863.1	3861377.3	2.05E-07	1.11E-07	-9.35E-08	7.77E-08	4.35E-08	-3.43E-08	3.95E-08	2.21E-08	-1.74E-08	7.77E-08	4.35E-08	-3.43E-08
4803	490363.1	3861377.3	2.34E-07	1.27E-07	-1.07E-07	8.88E-08	4.97E-08	-3.92E-08	4.52E-08	2.53E-08	-1.99E-08	8.88E-08	4.97E-08	-3.92E-08
4804	490863.1	3861377.3	2.77E-07	1.50E-07	-1.27E-07	1.05E-07	5.85E-08	-4.65E-08	5.34E-08	2.98E-08	-2.37E-08	1.05E-07	5.85E-08	-4.65E-08
4805	491363.1	3861377.3	3.44E-07	1.87E-07	-1.57E-07	1.31E-07	7.30E-08	-5.75E-08	6.64E-08	3.71E-08	-2.93E-08	1.31E-07	7.30E-08	-5.75E-08
4806	491863.1	3861377.3	4.75E-07	2.59E-07	-2.16E-07	1.80E-07	1.01E-07	-7.90E-08	9.16E-08	5.14E-08	-4.02E-08	1.80E-07	1.01E-07	-7.90E-08
4807	492363.1	3861377.3	8.35E-07	4.55E-07	-3.80E-07	3.17E-07	1.78E-07	-1.39E-07	1.61E-07	9.03E-08	-7.08E-08	3.17E-07	1.78E-07	-1.39E-07
4808	492863.1	3861377.3	2.90E-06	1.58E-06	-1.32E-06	1.10E-06	6.16E-07	-4.84E-07	5.60E-07	3.13E-07	-2.46E-07	1.10E-06	6.16E-07	-4.84E-07
4809	493363.1	3861377.3	1.30E-05	6.92E-06	-6.09E-06	4.94E-06	2.70E-06	-2.24E-06	2.51E-06	1.37E-06	-1.14E-06	4.94E-06	2.70E-06	-2.24E-06
4810	493863.1	3861377.3	3.88E-06	2.11E-06	-1.77E-06	1.47E-06	8.21E-07	-6.50E-07	7.48E-07	4.18E-07	-3.31E-07	1.47E-06	8.21E-07	-6.50E-07
4811	494363.1	3861377.3	2.24E-06	1.22E-06	-1.02E-06	8.51E-07	4.77E-07	-3.73E-07	4.33E-07	2.43E-07	-1.90E-07	8.51E-07	4.77E-07	-3.73E-07
4812	494863.1	3861377.3	1.57E-06	8.60E-07	-7.14E-07	5.97E-07	3.36E-07	-2.62E-07	3.04E-07	1.71E-07	-1.33E-07	5.97E-07	3.36E-07	-2.62E-07
4813	495363.1	3861377.3	1.23E-06	6.73E-07	-5.58E-07	4.67E-07	2.62E-07	-2.04E-07	2.37E-07	1.33E-07	-1.04E-07	4.67E-07	2.62E-07	-2.04E-07
4814	495863.1	3861377.3	1.03E-06	5.61E-07	-4.65E-07	3.89E-07	2.19E-07	-1.71E-07	1.98E-07	1.11E-07	-8.67E-08	3.89E-07	2.19E-07	-1.71E-07
4815	496363.1	3861377.3	8.51E-07	4.65E-07	-3.86E-07	3.23E-07	1.81E-07	-1.41E-07	1.64E-07	9.22E-08	-7.19E-08	3.23E-07	1.81E-07	-1.41E-07
4816	496863.1	3861377.3	6.66E-07	3.64E-07	-3.02E-07	2.53E-07	1.42E-07	-1.11E-07	1.28E-07	7.21E-08	-5.64E-08	2.53E-07	1.42E-07	-1.11E-07
4817	497363.1	3861377.3	5.84E-07	3.19E-07	-2.65E-07	2.22E-07	1.24E-07	-9.73E-08	1.13E-07	6.32E-08	-4.95E-08	2.22E-07	1.24E-07	-9.73E-08
4818	497863.1	3861377.3	5.19E-07	2.83E-07	-2.36E-07	1.97E-07	1.10E-07	-8.65E-08	1.00E-07	5.62E-08	-4.40E-08	1.97E-07	1.10E-07	-8.65E-08
4819	498363.1	3861377.3	4.65E-07	2.53E-07	-2.11E-07	1.76E-07	9.88E-08	-7.75E-08	8.97E-08	5.03E-08	-3.94E-08	1.76E-07	9.88E-08	-7.75E-08
4820	471363.1	3861877.3	4.59E-08	2.50E-08	-2.09E-08	1.74E-08	9.75E-09	-7.68E-09	8.86E-09	4.96E-09	-3.90E-09	1.74E-08	9.75E-09	-7.68E-09
4821	471863.1	3861877.3	4.68E-08	2.54E-08	-2.15E-08	1.78E-08	9.89E-09	-7.87E-09	9.04E-09	5.03E-09	-4.00E-09	1.78E-08	9.89E-09	-7.87E-09
4822	472363.1	3861877.3	4.77E-08	2.59E-08	-2.19E-08	1.81E-08	1.01E-08	-8.02E-09	9.21E-09	5.13E-09	-4.08E-09	1.81E-08	1.01E-08	-8.02E-09
4823	472863.1	3861877.3	4.91E-08	2.65E-08	-2.26E-08	1.86E-08	1.03E-08	-8.30E-09	9.47E-09	5.25E-09	-4.22E-09	1.86E-08	1.03E-08	-8.30E-09
4824	473363.1	3861877.3	5.00E-08	2.70E-08	-2.30E-08	1.90E-08	1.05E-08	-8.45E-09	9.64E-09	5.35E-09	-4.30E-09	1.90E-08	1.05E-08	-8.45E-09
4825	473863.1	3861877.3	5.09E-08	2.75E-08	-2.34E-08	1.93E-08	1.07E-08	-8.60E-09	9.82E-09	5.45E-09	-4.37E-09	1.93E-08	1.07E-08	-8.60E-09
4826	474363.1	3861877.3	5.18E-08	2.80E-08	-2.38E-08	1.96E-08	1.09E-08	-8.75E-09	9.99E-09	5.54E-09	-4.45E-09	1.96E-08	1.09E-08	-8.75E-09
4827	474863.1	3861877.3	5.27E-08	2.84E-08	-2.42E-08	2.00E-08	1.11E-08	-8.89E-09	1.02E-08	5.64E-09	-4.52E-09	2.00E-08	1.11E-08	-8.89E-09
4828	475363.1	3861877.3	5.36E-08	2.89E-08	-2.47E-08	2.03E-08	1.13E-08	-9.04E-09	1.03E-08	5.74E-09	-4.60E-09	2.03E-08	1.13E-08	-9.04E-09
4829	475863.1	3861877.3	5.49E-08	2.97E-08	-2.53E-08	2.08E-08	1.16E-08	-9.27E-09	1.06E-08	5.89E-09	-4.71E-09	2.08E-08	1.16E-08	-9.27E-09
4830	476363.1	3861877.3	5.58E-08	3.02E-08	-2.57E-08	2.12E-08	1.18E-08	-9.42E-09	1.08E-08	5.98E-09	-4.79E-09	2.12E-08	1.18E-08	-9.42E-09
4831	476863.1	3861877.3	5.63E-08	3.05E-08	-2.58E-08	2.14E-08	1.19E-08	-9.45E-09	1.09E-08	6.06E-09	-4.80E-09	2.14E-08	1.19E-08	-9.45E-09
4832	477363.1	3861877.3	5.63E-08	3.05E-08	-2.58E-08	2.14E-08	1.19E-08	-9.45E-09	1.09E-08	6.06E-09	-4.80E-09	2.14E-08	1.19E-08	-9.45E-09
4833	477863.1	3861877.3	5.00E-08	2.76E-08	-2.24E-08	1.90E-08	1.08E-08	-8.21E-09	9.64E-09	5.47E-09	-4.17E-09	1.90E-08	1.08E-08	-8.21E-09
4834	478363.1	3861877.3	3.96E-08	2.19E-08	-1.77E-08	1.50E-08	8.55E-09	-6.49E-09	7.65E-09	4.35E-09	-3.30E-09	1.50E-08	8.55E-09	-6.49E-09
4835	478863.1	3861877.3	4.64E-08	2.59E-08	-2.05E-08	1.76E-08	1.01E-08	-7.51E-09	8.95E-09	5.13E-09	-3.82E-09	1.76E-08	1.01E-08	-7.51E-09
4836	479363.1	3861877.3	4.50E-08	2.52E-08	-1.98E-08	1.71E-08	9.85E-09	-7.24E-09	8.69E-09	5.01E-09	-3.68E-09	1.71E-08	9.85E-09	-7.24E-09
4837	479863.1	3861877.3	6.35E-08	3.45E-08	-2.90E-08	2.41E-08	1.34E-08	-1.06E-08	1.23E-08	6.84E-09	-5.41E-09	2.41E-08	1.34E-08	-1.06E-08
4838	480363.1	3861877.3	6.94E-08	3.73E-08	-3.20E-08	2.63E-08	1.46E-08	-1.18E-08	1.34E-08	7.40E-09	-5.98E-09	2.63E-08	1.46E-08	-1.18E-08
4839	480863.1	3861877.3	7.21E-08	3.87E-08	-3.34E-08	2.73E-08	1.51E-08	-1.23E-08	1.39E-08	7.67E-09	-6.23E-09	2.73E-08	1.51E-08	-1.23E-08
4840	481363.1	3861877.3	7.48E-08	4.00E-08	-3.47E-08	2.84E-08	1.56E-08	-1.28E-08	1.44E-08	7.94E-09	-6.48E-09	2.84E-08	1.56E-08	-1.28E-08
4841	481863.1	3861877.3	7.79E-08	4.16E-08	-3.63E-08	2.96E-08	1.62E-08	-1.33E-08	1.50E-08	8.26E-09	-6.78E-09	2.96E-08	1.62E-08	-1.33E-08
4842	482363.1	3861877.3	8.06E-08	4.30E-08	-3.76E-08	3.06E-08	1.68E-08	-1.38E-08	1.56E-08	8.52E-09	-7.03E-09	3.06E-08	1.68E-08	-1.38E-08
4843	482863.1	3861877.3	8.24E-08	4.41E-08	-3.83E-08	3.13E-08	1.72E-08	-1.41E-08	1.59E-08	8.74E-09	-7.16E-09	3.13E-08	1.72E-08	-1.41E-08
4844	483363.1	3861877.3	8.56E-08	4.57E-08	-3.99E-08	3.25E-08	1.78E-08	-1.46E-08	1.65E-08	9.06E-09	-7.45E-09	3.25E-08	1.78E-08	-1.46E-08
4845	483863.1	3861877.3	8.83E-08	4.72E-08	-4.11E-08	3.35E-08	1.84E-08	-1.51E-08	1.70E-08	9.35E-09	-7.67E-09	3.35E-08	1.84E-08	-1.51E-08
4846	484363.1	3861877.3	9.19E-08	4.91E-08	-4.27E-08	3.49E-08	1.92E-08	-1.57E-08	1.77E-08	9.74E-09	-7.98E-09	3.49E-08	1.92E-08	-1.57E-08
4847	484863.1	3861877.3	9.55E-08	5.11E-08	-4.44E-08	3.62E-08	1.99E-08	-1.63E-08	1.84E-08	1.01E-08	-8.28E-09	3.62E-08	1.99E-08	-1.63E-08
4848	485363.1	3861877.3	9.82E-08	5.27E-08	-4.55E-08	3.72E-08	2.06E-08	-1.67E-08	1.89E-08	1.05E-08	-8.49E-09	3.72E-08	2.06E-08	-1.67E-08
4849	485863.1	3861877.3	1.01E-07	5.45E-08	-4.68E-08	3.84E-08	2.13E-08	-1.72E-08	1.95E-08	1.08E-08	-8.73E-09	3.84E-08	2.13E-08	-1.72E-08
4850	486363.1	3861877.3	1.07E-07	5.74E-08	-4.94E-08	4.05E-08	2.24E-08	-1.81E-08	2.06E-08	1.14E-08	-9.21E-09	4.05E-08	2.24E-08	-1.81E-08
4851	486863.1	3861877.3	1.13E-07	6.08E-08	-5.27E-08	4.31E-08	2.37E-08	-1.93E-08	2.19E-08	1.21E-08	-9.83E-09	4.31E-08	2.37E-08	-1.93E-08
4852	487363.1	3861877.3	1.21E-07	6.45E-08	-5.62E-08	4.58E-08	2.52E-08	-2.06E-08	2.33E-08	1.28E-08	-1.05E-08	4.58E-08	2.52E-08	-2.06E-08
4853	487863.1	3861877.3	1.28E-07	6.83E-08	-5.96E-08	4.85E-08	2.67E-08	-2.19E-08	2.47E-08	1.36E-08	-1.11E-08	4.85E-08	2.67E-08	-2.19E-08
4854	488363.1	3861877.3	1.36E-07	7.28E-08	-6.37E-08	5.18E-08	2.84E-08	-2.34E-08	2.63E-08	1.44E-08	-1.19E-08	5.18E-08	2.84E-08	-2.34E-08
4855	488863.1	3861877.3	1.46E-07	7.83E-08	-6.80E-08	5.55E-08	3.05E-08	-2.50E-08	2.82E-08	1.55E-08	-1.27E-08	5.55E-08	3.05E-08	-2.50E-08
4856	489363.1	3861877.3	1.57E-07	8.43E-08	-7.24E-08	5.95E-08	3.29E-08	-2.66E-08	3.02E-08	1.67E-08	-1.35E-08	5.95E-08	3.29E-08	-2.66E-08
4857	489863.1	3861877.3	1.69E-07	9.19E-08	-7.75E-08	6.42E-08	3.58E-08	-2.84E-08	3.27E-08	1.82E-08	-1.44E-08	6.42E-08	3.58E-08	-2.84E-08
4858	490363.1	3861877.3	1.86E-07	1.02E-07	-8.44E-08	7.06E-08	3.96E-08	-3.09E-08	3.59E-08	2.01E-08	-1.57E-08	7.06E-08	3.96E-08	-3.09E-08
4859	490863.1	3861877.3	2.11E-07	1.15E-07	-9.60E-08	8.00E-08	4.48E-08	-3.52E-08	4.07E-08	2.28E-08	-1.79E-08	8.00E-08	4.48E-08	-3.52E-08
4860	491363.1	3861877.3	2.45E-07	1.33E-07	-1.12E-07	9.28E-08	5.17E-08	-4.10E-08	4.72E-08	2.63E-08	-2.09E-08	9.28E-08	5.17E-08	-4.10E-08
4861	491863.1	3861877.3	2.91E-07	1.58E-07	-1.33E-07	1.10E-07	6.18E-08	-4.86E-08	5.61E-08	3.14E-08	-2.47E-08	1.10E-07	6.18E-08	-4.86E-08
4862	492363.1	3861877.3	3.60E-07	1.97E-07	-1.63E-07	1.37E-07	7.67E-08	-5.98E-08	6.94E-08	3.90E-08	-3.04E-08	1.37E-07	7.67E-08	-5.98E-08
4863	492863.1	3861877.3	4.66E-07	2.55E-07	-2.11E-07	1.77E-07	9.93E-08	-7.74E-08	8.98E-08	5.05E-08	-3.94E-08	1.77E-07	9.93E-08	-7.74E-08
4864	493363.1	3861877.3	6.29E-07	3.44E-07	-2.85E-07	2.39E-07	1.34E-07	-1.04E-07	1.21E-07	6.83E-08	-5.31E-08	2.39E-07	1.34E-07	-1.04E-07
4865	493863.1	3861877.3	9.27E-07	5.10E-07	-4.18E-07	3.52E-07	1.99E-07	-1.53E-07	1.79E-07	1.01E-07	-7.78E-08	3.52E-07	1.99E-07	-1.53E-07
4866	494363.1	3861877.3	1.66E-06	9.20E-07	-7.45E-07	6.32E-07	3.59E-07	-2.73E-07	3.21E-07	1.82E-07	-1.39E-07	6.32E-07	3.59E-07	-2.73E-07
4867	494863.1	3861877.3	6.80E-06	3.81E-06	-2.99E-06	2.58E-06	1.48E-06	-1.10E-06	1.31E-06	7.55E-07	-5.57E-07	2.58E-06	1.48E-06	-1.10E-06
4868	495363.1	3861877.3	7.97E-06	4.35E-06	-3.63E-06	3.02E-06	1.69E-06	-1.33E-06	1.54E-06	8.62E-07	-6.76E-07	3.02E-06	1.69E-06	-1.33E-06
4869	495863.1	3861877.3	3.28E-06	1.80E-06	-1.48E-06	1.24E-06	7.00E-07	-5.43E-07	6.32E-07	3.56E-07	-2.76E-07	1.24E-06	7.00E-07	-5.43E-07
4870	496363.1	3861877.3	2.06E-06	1.13E-06	-9.31E-07	7.81E-07	4.40E-07	-3.41E-07	3.97E-07	2.24E-07	-1.73E-07	7.81E-07	4.40E-07	-3.41E-07
4871	496863.1	3861877.3	1.07E-06	5.85E-07	-4.83E-07	4.05E-07	2.28E-07	-1.77E-07	2.06E-07	1.16E-07	-9.00E-08	4.05E-07	2.28E-07	-1.77E-07
4872	497363.1	3861877.3	1.12E-06	6.14E-07	-5.07E-07	4.25E-07	2.40E-07	-1.86E-07	2.16E-07	1.22E-07	-9.45E-08	4.25E-07	2.40E-07	-1.86E-07
4873	497863.1	3861877.3	1.00E-06	5.48E-07	-4.53E-07	3.80E-07	2.14E-07	-1.66E-07	1.93E-07	1.09E-07	-8.44E-08	3.80E-07	2.14E-07	-1.66E-07
4874	498363.1	3861877.3	8.71E-07	4.76E-07	-3.94E-07	3.30E-07	1.86E-07	-1.44E-07	1.68E-07	9.45E-08	-7.35E-08	3.30E-07	1.86E-07	-1.44E-07
4875	471363.1	3862377.3	4.50E-08	2.44E-08	-2.07E-08	1.71E-08	9.51E-09	-7.58E-09	8.69E-09	4.84E-09	-3.85E-09	1.71E-08	9.51E-09	-7.58E-09
4876	471863.1	3862377.3	4.55E-08	2.47E-08	-2.07E-08	1.73E-08	9.65E-09	-7.60E-09	8.78E-09	4.91E-09	-3.87E-09	1.73E-08	9.65E-09	-7.60E-09
4877	472363.1	3862377.3	4.68E-08	2.52E-08	-2.16E-08	1.78E-08	9.85E-09	-7.92E-09	9.04E-09	5.01E-09	-4.03E-09	1.78E-08	9.85E-09	-7.92E-09
4878	472863.1	3862377.3	4.77E-08	2.57E-08	-2.20E-08	1.81E-08	1.00E-08	-8.07E-09	9.21E-09	5.10E-09	-4.11E-09	1.81E-08	1.00E-08	-8.07E-09
4879	473363.1	3862377.3	4.86E-08	2.62E-08	-2.24E-08	1.85E-08	1.02E-08	-8.22E-09	9.38E-09	5.20E-09	-4.18E-09	1.85E-08	1.02E-08	-8.22E-09
4880	473863.1	3862377.3	4.91E-08	2.66E-08	-2.25E-08	1.86E-08	1.04E-08	-8.25E-09	9.47E-09	5.28E-09	-4.19E-09	1.86E-08	1.04E-08	-8.25E-09
4881	474363.1	3862377.3	5.00E-08	2.70E-08	-2.30E-08	1.90E-08	1.05E-08	-8.45E-09	9.64E-09	5.35E-09	-4.30E-09	1.90E-08	1.05E-08	-8.45E-09
4882	474863.1	3862377.3	5.09E-08	2.75E-08	-2.34E-08	1.93E-08	1.07E-08	-8.60E-09	9.82E-09	5.45E-09	-4.37E-09	1.93E-08	1.07E-08	-8.60E-09
4883	475363.1	3862377.3	5.22E-08	2.82E-08	-2.40E-08	1.98E-08	1.10E-08	-8.82E-09	1.01E-08	5.59E-09	-4.49E-09	1.98E-08	1.10E-08	-8.82E-09
4884	475863.1	3862377.3	5.36E-08	2.88E-08	-2.48E-08	2.03E-08	1.12E-08	-9.09E-09	1.03E-08	5.72E-09	-4.62E-09	2.03E-08	1.12E-08	-9.09E-09
4885	476363.1	3862377.3	5.45E-08	2.94E-08	-2.51E-08	2.07E-08	1.15E-08	-9.19E-09	1.05E-08	5.84E-09	-4.68E-09	2.07E-08	1.15E-08	-9.19E-09
4886	476863.1	3862377.3	5.54E-08	2.99E-08	-2.55E-08	2.10E-08	1.17E-08	-9.34E-09	1.07E-08	5.93E-09	-4.75E-09	2.10E-08	1.17E-08	-9.34E-09

4887	477363.1	3862377.3	5.58E-08	3.02E-08	-2.57E-08	2.12E-08	1.18E-08	-9.42E-09	1.08E-08	5.98E-09	-4.79E-09	2.12E-08	1.18E-08	-9.42E-09
4888	477863.1	3862377.3	5.13E-08	2.81E-08	-2.33E-08	1.95E-08	1.09E-08	-8.53E-09	9.90E-09	5.57E-09	-4.34E-09	1.95E-08	1.09E-08	-8.53E-09
4889	478363.1	3862377.3	4.64E-08	2.57E-08	-2.07E-08	1.76E-08	1.00E-08	-7.56E-09	8.95E-09	5.10E-09	-3.84E-09	1.76E-08	1.00E-08	-7.56E-09
4890	478863.1	3862377.3	4.73E-08	2.62E-08	-2.11E-08	1.79E-08	1.02E-08	-7.71E-09	9.12E-09	5.20E-09	-3.92E-09	1.79E-08	1.02E-08	-7.71E-09
4891	479363.1	3862377.3	5.13E-08	2.83E-08	-2.30E-08	1.95E-08	1.10E-08	-8.43E-09	9.90E-09	5.62E-09	-4.29E-09	1.95E-08	1.10E-08	-8.43E-09
4892	479863.1	3862377.3	6.17E-08	3.34E-08	-2.83E-08	2.34E-08	1.30E-08	-1.04E-08	1.19E-08	6.62E-09	-5.28E-09	2.34E-08	1.30E-08	-1.04E-08
4893	480363.1	3862377.3	6.62E-08	3.56E-08	-3.06E-08	2.51E-08	1.39E-08	-1.12E-08	1.28E-08	7.06E-09	-5.71E-09	2.51E-08	1.39E-08	-1.12E-08
4894	480863.1	3862377.3	6.85E-08	3.67E-08	-3.18E-08	2.60E-08	1.43E-08	-1.17E-08	1.32E-08	7.28E-09	-5.93E-09	2.60E-08	1.43E-08	-1.17E-08
4895	481363.1	3862377.3	7.07E-08	3.79E-08	-3.28E-08	2.68E-08	1.48E-08	-1.20E-08	1.36E-08	7.52E-09	-6.12E-09	2.68E-08	1.48E-08	-1.20E-08
4896	481863.1	3862377.3	7.39E-08	3.94E-08	-3.45E-08	2.80E-08	1.54E-08	-1.27E-08	1.42E-08	7.82E-09	-6.43E-09	2.80E-08	1.54E-08	-1.27E-08
4897	482363.1	3862377.3	7.61E-08	4.06E-08	-3.55E-08	2.89E-08	1.58E-08	-1.30E-08	1.47E-08	8.06E-09	-6.62E-09	2.89E-08	1.58E-08	-1.30E-08
4898	482863.1	3862377.3	7.79E-08	4.16E-08	-3.63E-08	2.96E-08	1.62E-08	-1.33E-08	1.50E-08	8.26E-09	-6.78E-09	2.96E-08	1.62E-08	-1.33E-08
4899	483363.1	3862377.3	8.02E-08	4.29E-08	-3.73E-08	3.04E-08	1.67E-08	-1.37E-08	1.55E-08	8.50E-09	-6.97E-09	3.04E-08	1.67E-08	-1.37E-08
4900	483863.1	3862377.3	8.24E-08	4.42E-08	-3.82E-08	3.13E-08	1.72E-08	-1.40E-08	1.59E-08	8.77E-09	-7.13E-09	3.13E-08	1.72E-08	-1.40E-08
4901	484363.1	3862377.3	8.51E-08	4.58E-08	-3.93E-08	3.23E-08	1.79E-08	-1.44E-08	1.64E-08	9.09E-09	-7.34E-09	3.23E-08	1.79E-08	-1.44E-08
4902	484863.1	3862377.3	8.87E-08	4.77E-08	-4.11E-08	3.37E-08	1.86E-08	-1.51E-08	1.71E-08	9.45E-09	-7.66E-09	3.37E-08	1.86E-08	-1.51E-08
4903	485363.1	3862377.3	9.14E-08	4.91E-08	-4.23E-08	3.47E-08	1.92E-08	-1.55E-08	1.76E-08	9.74E-09	-7.89E-09	3.47E-08	1.92E-08	-1.55E-08
4904	485863.1	3862377.3	9.41E-08	5.07E-08	-4.34E-08	3.57E-08	1.98E-08	-1.59E-08	1.82E-08	1.01E-08	-8.10E-09	3.57E-08	1.98E-08	-1.59E-08
4905	486363.1	3862377.3	9.77E-08	5.28E-08	-4.49E-08	3.71E-08	2.06E-08	-1.65E-08	1.89E-08	1.05E-08	-8.38E-09	3.71E-08	2.06E-08	-1.65E-08
4906	486863.1	3862377.3	1.03E-07	5.55E-08	-4.76E-08	3.91E-08	2.17E-08	-1.75E-08	1.99E-08	1.10E-08	-8.88E-09	3.91E-08	2.17E-08	-1.75E-08
4907	487363.1	3862377.3	1.09E-07	5.87E-08	-5.07E-08	4.15E-08	2.29E-08	-1.86E-08	2.11E-08	1.16E-08	-9.46E-09	4.15E-08	2.29E-08	-1.86E-08
4908	487863.1	3862377.3	1.16E-07	6.21E-08	-5.37E-08	4.39E-08	2.42E-08	-1.97E-08	2.23E-08	1.23E-08	-1.00E-08	4.39E-08	2.42E-08	-1.97E-08
4909	488363.1	3862377.3	1.22E-07	6.55E-08	-5.65E-08	4.63E-08	2.55E-08	-2.07E-08	2.35E-08	1.30E-08	-1.06E-08	4.63E-08	2.55E-08	-2.07E-08
4910	488863.1	3862377.3	1.30E-07	6.97E-08	-6.05E-08	4.94E-08	2.72E-08	-2.22E-08	2.51E-08	1.38E-08	-1.13E-08	4.94E-08	2.72E-08	-2.22E-08
4911	489363.1	3862377.3	1.39E-07	7.45E-08	-6.42E-08	5.26E-08	2.91E-08	-2.36E-08	2.68E-08	1.48E-08	-1.20E-08	5.26E-08	2.91E-08	-2.36E-08
4912	489863.1	3862377.3	1.48E-07	7.98E-08	-6.79E-08	5.60E-08	3.11E-08	-2.49E-08	2.85E-08	1.58E-08	-1.27E-08	5.60E-08	3.11E-08	-2.49E-08
4913	490363.1	3862377.3	1.58E-07	8.59E-08	-7.17E-08	5.98E-08	3.35E-08	-2.63E-08	3.04E-08	1.70E-08	-1.34E-08	5.98E-08	3.35E-08	-2.63E-08
4914	490863.1	3862377.3	1.71E-07	9.37E-08	-7.74E-08	6.49E-08	3.65E-08	-2.84E-08	3.30E-08	1.86E-08	-1.44E-08	6.49E-08	3.65E-08	-2.84E-08
4915	491363.1	3862377.3	1.89E-07	1.03E-07	-8.61E-08	7.18E-08	4.02E-08	-3.16E-08	3.65E-08	2.04E-08	-1.60E-08	7.18E-08	4.02E-08	-3.16E-08
4916	491863.1	3862377.3	2.10E-07	1.14E-07	-9.63E-08	7.98E-08	4.45E-08	-3.53E-08	4.06E-08	2.26E-08	-1.80E-08	7.98E-08	4.45E-08	-3.53E-08
4917	492363.1	3862377.3	2.36E-07	1.28E-07	-1.07E-07	8.94E-08	5.00E-08	-3.94E-08	4.54E-08	2.54E-08	-2.00E-08	8.94E-08	5.00E-08	-3.94E-08
4918	492863.1	3862377.3	2.70E-07	1.48E-07	-1.22E-07	1.02E-07	5.76E-08	-4.48E-08	5.20E-08	2.93E-08	-2.28E-08	1.02E-07	5.76E-08	-4.48E-08
4919	493363.1	3862377.3	3.14E-07	1.72E-07	-1.42E-07	1.19E-07	6.69E-08	-5.21E-08	6.06E-08	3.40E-08	-2.65E-08	1.19E-07	6.69E-08	-5.21E-08
4920	493863.1	3862377.3	3.68E-07	2.01E-07	-1.67E-07	1.40E-07	7.83E-08	-6.13E-08	7.10E-08	3.98E-08	-3.11E-08	1.40E-07	7.83E-08	-6.13E-08
4921	494363.1	3862377.3	4.46E-07	2.44E-07	-2.02E-07	1.69E-07	9.51E-08	-7.42E-08	8.61E-08	4.84E-08	-3.77E-08	1.69E-07	9.51E-08	-7.42E-08
4922	494863.1	3862377.3	5.58E-07	3.06E-07	-2.53E-07	2.12E-07	1.19E-07	-9.26E-08	1.08E-07	6.07E-08	-4.71E-08	2.12E-07	1.19E-07	-9.26E-08
4923	495363.1	3862377.3	7.25E-07	3.98E-07	-3.27E-07	2.75E-07	1.55E-07	-1.20E-07	1.40E-07	7.90E-08	-6.10E-08	2.75E-07	1.55E-07	-1.20E-07
4924	495863.1	3862377.3	1.08E-06	5.95E-07	-4.88E-07	4.11E-07	2.32E-07	-1.79E-07	2.09E-07	1.18E-07	-9.09E-08	4.11E-07	2.32E-07	-1.79E-07
4925	496363.1	3862377.3	2.15E-06	1.18E-06	-9.69E-07	8.15E-07	4.60E-07	-3.55E-07	4.14E-07	2.34E-07	-1.81E-07	8.15E-07	4.60E-07	-3.55E-07
4926	496863.1	3862377.3	1.88E-05	1.02E-05	-8.65E-06	7.13E-06	3.96E-06	-3.17E-06	3.63E-06	2.01E-06	-1.61E-06	7.13E-06	3.96E-06	-3.17E-06
4927	497363.1	3862377.3	1.12E-05	6.12E-06	-5.03E-06	4.23E-06	2.39E-06	-1.84E-06	2.15E-06	1.21E-06	-9.37E-07	4.23E-06	2.39E-06	-1.84E-06
4928	497863.1	3862377.3	2.93E-05	1.66E-05	-1.27E-05	1.11E-05	6.49E-06	-4.64E-06	5.66E-06	3.30E-06	-2.36E-06	1.11E-05	6.49E-06	-4.64E-06
4929	498363.1	3862377.3	3.85E-06	2.10E-06	-1.75E-06	1.46E-06	8.19E-07	-6.43E-07	7.43E-07	4.16E-07	-3.27E-07	1.46E-06	8.19E-07	-6.43E-07
4930	471363.1	3862877.3	4.37E-08	2.36E-08	-2.00E-08	1.66E-08	9.22E-09	-7.35E-09	8.43E-09	4.69E-09	-3.74E-09	1.66E-08	9.22E-09	-7.35E-09
4931	471863.1	3862877.3	4.46E-08	2.41E-08	-2.04E-08	1.69E-08	9.41E-09	-7.50E-09	8.60E-09	4.79E-09	-3.81E-09	1.69E-08	9.41E-09	-7.50E-09
4932	472363.1	3862877.3	4.55E-08	2.46E-08	-2.09E-08	1.73E-08	9.61E-09	-7.65E-09	8.78E-09	4.88E-09	-3.89E-09	1.73E-08	9.61E-09	-7.65E-09
4933	472863.1	3862877.3	4.64E-08	2.50E-08	-2.14E-08	1.76E-08	9.75E-09	-7.85E-09	8.95E-09	4.96E-09	-3.99E-09	1.76E-08	9.75E-09	-7.85E-09
4934	473363.1	3862877.3	4.73E-08	2.55E-08	-2.18E-08	1.79E-08	9.94E-09	-8.00E-09	9.12E-09	5.06E-09	-4.07E-09	1.79E-08	9.94E-09	-8.00E-09
4935	473863.1	3862877.3	4.77E-08	2.59E-08	-2.19E-08	1.81E-08	1.01E-08	-8.02E-09	9.21E-09	5.13E-09	-4.08E-09	1.81E-08	1.01E-08	-8.02E-09
4936	474363.1	3862877.3	4.86E-08	2.62E-08	-2.24E-08	1.85E-08	1.02E-08	-8.22E-09	9.38E-09	5.20E-09	-4.18E-09	1.85E-08	1.02E-08	-8.22E-09
4937	474863.1	3862877.3	4.95E-08	2.67E-08	-2.28E-08	1.88E-08	1.04E-08	-8.37E-09	9.56E-09	5.30E-09	-4.26E-09	1.88E-08	1.04E-08	-8.37E-09
4938	475363.1	3862877.3	5.09E-08	2.75E-08	-2.34E-08	1.93E-08	1.07E-08	-8.60E-09	9.82E-09	5.45E-09	-4.37E-09	1.93E-08	1.07E-08	-8.60E-09
4939	475863.1	3862877.3	5.18E-08	2.80E-08	-2.38E-08	1.96E-08	1.09E-08	-8.75E-09	9.99E-09	5.54E-09	-4.45E-09	1.96E-08	1.09E-08	-8.75E-09
4940	476363.1	3862877.3	5.31E-08	2.86E-08	-2.46E-08	2.02E-08	1.11E-08	-9.02E-09	1.03E-08	5.67E-09	-4.59E-09	2.02E-08	1.11E-08	-9.02E-09
4941	476863.1	3862877.3	5.36E-08	2.89E-08	-2.47E-08	2.03E-08	1.13E-08	-9.04E-09	1.03E-08	5.74E-09	-4.60E-09	2.03E-08	1.13E-08	-9.04E-09
4942	477363.1	3862877.3	5.45E-08	2.94E-08	-2.51E-08	2.07E-08	1.15E-08	-9.19E-09	1.05E-08	5.84E-09	-4.68E-09	2.07E-08	1.15E-08	-9.19E-09
4943	477863.1	3862877.3	5.31E-08	2.88E-08	-2.43E-08	2.02E-08	1.12E-08	-8.92E-09	1.03E-08	5.72E-09	-4.54E-09	2.02E-08	1.12E-08	-8.92E-09
4944	478363.1	3862877.3	4.86E-08	2.67E-08	-2.19E-08	1.85E-08	1.04E-08	-8.03E-09	9.38E-09	5.30E-09	-4.08E-09	1.85E-08	1.04E-08	-8.03E-09
4945	478863.1	3862877.3	4.91E-08	2.70E-08	-2.21E-08	1.86E-08	1.05E-08	-8.10E-09	9.47E-09	5.35E-09	-4.12E-09	1.86E-08	1.05E-08	-8.10E-09
4946	479363.1	3862877.3	5.04E-08	2.77E-08	-2.27E-08	1.91E-08	1.08E-08	-8.33E-09	9.73E-09	5.50E-09	-4.24E-09	1.91E-08	1.08E-08	-8.33E-09
4947	479863.1	3862877.3	6.08E-08	3.28E-08	-2.80E-08	2.31E-08	1.28E-08	-1.03E-08	1.17E-08	6.50E-09	-5.23E-09	2.31E-08	1.28E-08	-1.03E-08
4948	480363.1	3862877.3	6.35E-08	3.40E-08	-2.95E-08	2.41E-08	1.33E-08	-1.08E-08	1.23E-08	6.74E-09	-5.51E-09	2.41E-08	1.33E-08	-1.08E-08
4949	480863.1	3862877.3	6.48E-08	3.48E-08	-3.00E-08	2.46E-08	1.36E-08	-1.10E-08	1.25E-08	6.91E-09	-5.60E-09	2.46E-08	1.36E-08	-1.10E-08
4950	481363.1	3862877.3	6.76E-08	3.62E-08	-3.13E-08	2.56E-08	1.41E-08	-1.15E-08	1.30E-08	7.18E-09	-5.85E-09	2.56E-08	1.41E-08	-1.15E-08
4951	481863.1	3862877.3	6.98E-08	3.73E-08	-3.25E-08	2.65E-08	1.46E-08	-1.19E-08	1.35E-08	7.40E-09	-6.07E-09	2.65E-08	1.46E-08	-1.19E-08
4952	482363.1	3862877.3	7.16E-08	3.84E-08	-3.32E-08	2.72E-08	1.50E-08	-1.22E-08	1.38E-08	7.62E-09	-6.19E-09	2.72E-08	1.50E-08	-1.22E-08
4953	482863.1	3862877.3	7.34E-08	3.94E-08	-3.40E-08	2.78E-08	1.54E-08	-1.25E-08	1.42E-08	7.82E-09	-6.35E-09	2.78E-08	1.54E-08	-1.25E-08
4954	483363.1	3862877.3	7.57E-08	4.05E-08	-3.51E-08	2.87E-08	1.58E-08	-1.29E-08	1.46E-08	8.04E-09	-6.56E-09	2.87E-08	1.58E-08	-1.29E-08
4955	483863.1	3862877.3	7.75E-08	4.16E-08	-3.58E-08	2.94E-08	1.62E-08	-1.32E-08	1.49E-08	8.26E-09	-6.69E-09	2.94E-08	1.62E-08	-1.32E-08
4956	484363.1	3862877.3	8.02E-08	4.31E-08	-3.71E-08	3.04E-08	1.68E-08	-1.36E-08	1.55E-08	8.55E-09	-6.92E-09	3.04E-08	1.68E-08	-1.36E-08
4957	484863.1	3862877.3	8.29E-08	4.47E-08	-3.82E-08	3.14E-08	1.74E-08	-1.40E-08	1.60E-08	8.87E-09	-7.12E-09	3.14E-08	1.74E-08	-1.40E-08
4958	485363.1	3862877.3	8.56E-08	4.62E-08	-3.94E-08	3.25E-08	1.80E-08	-1.45E-08	1.65E-08	9.16E-09	-7.35E-09	3.25E-08	1.80E-08	-1.45E-08
4959	485863.1	3862877.3	8.83E-08	4.77E-08	-4.06E-08	3.35E-08	1.86E-08	-1.49E-08	1.70E-08	9.45E-09	-7.58E-09	3.35E-08	1.86E-08	-1.49E-08
4960	486363.1	3862877.3	9.10E-08	4.93E-08	-4.17E-08	3.45E-08	1.92E-08	-1.53E-08	1.76E-08	9.77E-09	-7.78E-09	3.45E-08	1.92E-08	-1.53E-08
4961	486863.1	3862877.3	9.50E-08	5.13E-08	-4.37E-08	3.60E-08	2.00E-08	-1.60E-08	1.83E-08	1.02E-08	-8.15E-09	3.60E-08	2.00E-08	-1.60E-08
4962	487363.1	3862877.3	1.00E-07	5.39E-08	-4.60E-08	3.79E-08	2.10E-08	-1.69E-08	1.93E-08	1.07E-08	-8.59E-09	3.79E-08	2.10E-08	-1.69E-08
4963	487863.1	3862877.3	1.05E-07	5.66E-08	-4.87E-08	4.00E-08	2.21E-08	-1.79E-08	2.03E-08	1.12E-08	-9.10E-09	4.00E-08	2.21E-08	-1.79E-08
4964	488363.1	3862877.3	1.10E-07	5.94E-08	-5.10E-08	4.19E-08	2.31E-08	-1.87E-08	2.13E-08	1.18E-08	-9.51E-09	4.19E-08	2.31E-08	-1.87E-08
4965	488863.1	3862877.3	1.16E-07	6.23E-08	-5.39E-08	4.41E-08	2.43E-08	-1.98E-08	2.24E-08	1.24E-08	-1.01E-08	4.41E-08	2.43E-08	-1.98E-08
4966	489363.1	3862877.3	1.23E-07	6.60E-08	-5.69E-08	4.66E-08	2.57E-08	-2.09E-08	2.37E-08	1.31E-08	-1.06E-08	4.66E-08	2.57E-08	-2.09E-08
4967	489863.1	3862877.3	1.30E-07	7.02E-08	-6.00E-08	4.94E-08	2.74E-08	-2.20E-08	2.51E-08	1.39E-08	-1.12E-08	4.94E-08	2.74E-08	-2.20E-08
4968	490363.1	3862877.3	1.37E-07	7.45E-08	-6.29E-08	5.21E-08	2.91E-08	-2.31E-08	2.65E-08	1.48E-08	-1.17E-08	5.21E-08	2.91E-08	-2.31E-08
4969	490863.1	3862877.3	1.45E-07	7.94E-08	-6.56E-08	5.50E-08	3.10E-08	-2.40E-08	2.80E-08	1.58E-08	-1.22E-08	5.50E-08	3.10E-08	-2.40E-08
4970	491363.1	3862877.3	1.54E-07	8.47E-08	-6.98E-08	5.86E-08	3.30E-08	-2.56E-08	2.98E-08	1.68E-08	-1.30E-08	5.86E-08	3.30E-08	-2.56E-08
4971	491863.1	3862877.3	1.67E-07	9.11E-08	-7.60E-08	6.34E-08	3.55E-08	-2.78E-08	3.22E-08	1.81E-08	-1.42E-08	6.34E-08	3.55E-08	-2.78E-08
4972	492363.1	3862877.3	1.81E-07	9.79E-08	-8.27E-08	6.85E-08	3.82E-08	-3.03E-08	3.48E-08	1.94E-08	-1.54E-08	6.85E-08	3.82E-08	-3.03E-08
4973	492863.1	3862877.3	1.96E-07	1.07E-07	-8.96E-08	7.45E-08	4.16E-08	-3.29E-08	3.79E-08	2.12E-08	-1.67E-08	7.45E-08	4.16E-08	-3.29E-08
4974	493363.1	3862877.3	2.16E-07	1.18E-07	-9.76E-08	8.18E-08	4.61E-08	-3.58E-08	4.16E-08	2.34E-08	-1.82E-08	8.18E-08	4.61E-08	-3.58E-08
4975	493863.1	3862877.3	2.35E-07	1.28E-07	-1.06E-07	8.90E-08	5.00E-08	-3.90E-08	4.53E-08	2.54E-08	-1.98E-08	8.90E-08	5.00E-08	-3.90E-08
4976	494363.1	3862877.3	2.61E-07	1.42E-07	-1.19E-07	9.89E-08	5.54E-08	-4.35E-08	5.03E-08	2.82E-08	-2.21E-08	9.89E-08	5.54E-08	-4.35E-08
4977	494863.1	3862877.3	2.98E-07	1.62E-07	-1.36E-07	1.13E-07	6.33E-08	-4.98E-08	5.75E-08	3.22E-08	-2.53E-08	1.13E-07	6.33E-08	-4.98E-08
4978	495363.1	3862877.3	3.39E-07	1.85E-07	-1.54E-07	1.29E-07	7.21E-08	-5.65E-08	6.54E-08	3.67E-08	-2.87E-08	1.29E-07	7.21E-08	-5.65E-08
4979	495863.1	3862877.3	3.82E-07	2.09E-07	-1.73E-07	1.45E-07	8.15E-08	-6.35E-08	7.38E-08	4.15E-08	-3.23E-08	1.45E-07	8.15E-08	-6.35E-08
4980	496363.1	3862877.3	4.33E-07	2.37E-07	-1.96E-07	1.64E-07	9.25E-08	-7.17E-08	8.35E-08	4.70E-08	-3.65E-08	1.64E-07	9.25E-08	-7.17E-08

4981	496863.1	3862877.3	4.99E-07	2.74E-07	-2.25E-07	1.89E-07	1.07E-07	-8.26E-08	9.63E-08	5.43E-08	-4.20E-08	1.89E-07	1.07E-07	-8.26E-08
4982	497363.1	3862877.3	5.43E-07	2.98E-07	-2.45E-07	2.06E-07	1.16E-07	-8.99E-08	1.05E-07	5.91E-08	-4.57E-08	2.06E-07	1.16E-07	-8.99E-08
4983	497863.1	3862877.3	5.44E-07	2.98E-07	-2.46E-07	2.06E-07	1.16E-07	-9.00E-08	1.05E-07	5.91E-08	-4.58E-08	2.06E-07	1.16E-07	-9.00E-08
4984	498363.1	3862877.3	5.22E-07	2.86E-07	-2.36E-07	1.98E-07	1.12E-07	-8.66E-08	1.01E-07	5.68E-08	-4.40E-08	1.98E-07	1.12E-07	-8.66E-08
4985	471363.1	3863377.3	4.28E-08	2.31E-08	-1.96E-08	1.62E-08	9.03E-09	-7.20E-09	8.25E-09	4.59E-09	-3.66E-09	1.62E-08	9.03E-09	-7.20E-09
4986	471863.1	3863377.3	4.37E-08	2.36E-08	-2.00E-08	1.66E-08	9.22E-09	-7.35E-09	8.43E-09	4.69E-09	-3.74E-09	1.66E-08	9.22E-09	-7.35E-09
4987	472363.1	3863377.3	4.41E-08	2.39E-08	-2.02E-08	1.67E-08	9.32E-09	-7.43E-09	8.51E-09	4.74E-09	-3.78E-09	1.67E-08	9.32E-09	-7.43E-09
4988	472863.1	3863377.3	4.50E-08	2.44E-08	-2.07E-08	1.71E-08	9.51E-09	-7.58E-09	8.69E-09	4.84E-09	-3.85E-09	1.71E-08	9.51E-09	-7.58E-09
4989	473363.1	3863377.3	4.59E-08	2.47E-08	-2.12E-08	1.74E-08	9.65E-09	-7.77E-09	8.86E-09	4.91E-09	-3.95E-09	1.74E-08	9.65E-09	-7.77E-09
4990	473863.1	3863377.3	4.68E-08	2.52E-08	-2.16E-08	1.78E-08	9.85E-09	-7.92E-09	9.04E-09	5.01E-09	-4.03E-09	1.78E-08	9.85E-09	-7.92E-09
4991	474363.1	3863377.3	4.73E-08	2.56E-08	-2.17E-08	1.79E-08	9.99E-09	-7.95E-09	9.12E-09	5.08E-09	-4.04E-09	1.79E-08	9.99E-09	-7.95E-09
4992	474863.1	3863377.3	4.82E-08	2.60E-08	-2.22E-08	1.83E-08	1.01E-08	-8.15E-09	9.30E-09	5.15E-09	-4.14E-09	1.83E-08	1.01E-08	-8.15E-09
4993	475363.1	3863377.3	4.91E-08	2.65E-08	-2.26E-08	1.86E-08	1.03E-08	-8.30E-09	9.47E-09	5.25E-09	-4.22E-09	1.86E-08	1.03E-08	-8.30E-09
4994	475863.1	3863377.3	5.00E-08	2.70E-08	-2.30E-08	1.90E-08	1.05E-08	-8.45E-09	9.64E-09	5.35E-09	-4.30E-09	1.90E-08	1.05E-08	-8.45E-09
4995	476363.1	3863377.3	5.13E-08	2.76E-08	-2.38E-08	1.95E-08	1.08E-08	-8.72E-09	9.90E-09	5.47E-09	-4.43E-09	1.95E-08	1.08E-08	-8.72E-09
4996	476863.1	3863377.3	5.22E-08	2.81E-08	-2.42E-08	1.98E-08	1.09E-08	-8.87E-09	1.01E-08	5.57E-09	-4.51E-09	1.98E-08	1.09E-08	-8.87E-09
4997	477363.1	3863377.3	5.31E-08	2.86E-08	-2.46E-08	2.02E-08	1.11E-08	-9.02E-09	1.03E-08	5.67E-09	-4.59E-09	2.02E-08	1.11E-08	-9.02E-09
4998	477863.1	3863377.3	5.31E-08	2.87E-08	-2.44E-08	2.02E-08	1.12E-08	-8.97E-09	1.03E-08	5.69E-09	-4.56E-09	2.02E-08	1.12E-08	-8.97E-09
4999	478363.1	3863377.3	5.09E-08	2.77E-08	-2.32E-08	1.93E-08	1.08E-08	-8.50E-09	9.82E-09	5.50E-09	-4.32E-09	1.93E-08	1.08E-08	-8.50E-09
5000	478863.1	3863377.3	5.22E-08	2.83E-08	-2.39E-08	1.98E-08	1.10E-08	-8.77E-09	1.01E-08	5.62E-09	-4.46E-09	1.98E-08	1.10E-08	-8.77E-09
5001	479363.1	3863377.3	5.58E-08	3.02E-08	-2.57E-08	2.12E-08	1.18E-08	-9.42E-09	1.08E-08	5.98E-09	-4.79E-09	2.12E-08	1.18E-08	-9.42E-09
5002	479863.1	3863377.3	5.90E-08	3.18E-08	-2.72E-08	2.24E-08	1.24E-08	-9.99E-09	1.14E-08	6.30E-09	-5.08E-09	2.24E-08	1.24E-08	-9.99E-09
5003	480363.1	3863377.3	6.08E-08	3.26E-08	-2.82E-08	2.31E-08	1.27E-08	-1.03E-08	1.17E-08	6.47E-09	-5.26E-09	2.31E-08	1.27E-08	-1.03E-08
5004	480863.1	3863377.3	6.21E-08	3.35E-08	-2.87E-08	2.36E-08	1.31E-08	-1.05E-08	1.20E-08	6.64E-09	-5.35E-09	2.36E-08	1.31E-08	-1.05E-08
5005	481363.1	3863377.3	6.44E-08	3.46E-08	-2.98E-08	2.44E-08	1.35E-08	-1.09E-08	1.24E-08	6.86E-09	-5.56E-09	2.44E-08	1.35E-08	-1.09E-08
5006	481863.1	3863377.3	6.67E-08	3.57E-08	-3.09E-08	2.53E-08	1.39E-08	-1.14E-08	1.29E-08	7.08E-09	-5.78E-09	2.53E-08	1.39E-08	-1.14E-08
5007	482363.1	3863377.3	6.85E-08	3.67E-08	-3.18E-08	2.60E-08	1.43E-08	-1.17E-08	1.32E-08	7.28E-09	-5.93E-09	2.60E-08	1.43E-08	-1.17E-08
5008	482863.1	3863377.3	6.98E-08	3.76E-08	-3.22E-08	2.65E-08	1.46E-08	-1.18E-08	1.35E-08	7.45E-09	-6.02E-09	2.65E-08	1.46E-08	-1.18E-08
5009	483363.1	3863377.3	7.16E-08	3.85E-08	-3.31E-08	2.72E-08	1.50E-08	-1.21E-08	1.38E-08	7.64E-09	-6.17E-09	2.72E-08	1.50E-08	-1.21E-08
5010	483863.1	3863377.3	7.34E-08	3.95E-08	-3.39E-08	2.78E-08	1.54E-08	-1.24E-08	1.42E-08	7.84E-09	-6.32E-09	2.78E-08	1.54E-08	-1.24E-08
5011	484363.1	3863377.3	7.57E-08	4.09E-08	-3.48E-08	2.87E-08	1.59E-08	-1.28E-08	1.46E-08	8.11E-09	-6.49E-09	2.87E-08	1.59E-08	-1.28E-08
5012	484863.1	3863377.3	7.84E-08	4.22E-08	-3.61E-08	2.97E-08	1.65E-08	-1.33E-08	1.51E-08	8.38E-09	-6.74E-09	2.97E-08	1.65E-08	-1.33E-08
5013	485363.1	3863377.3	8.06E-08	4.36E-08	-3.70E-08	3.06E-08	1.70E-08	-1.36E-08	1.56E-08	8.65E-09	-6.91E-09	3.06E-08	1.70E-08	-1.36E-08
5014	485863.1	3863377.3	8.29E-08	4.48E-08	-3.80E-08	3.14E-08	1.75E-08	-1.40E-08	1.60E-08	8.89E-09	-7.10E-09	3.14E-08	1.75E-08	-1.40E-08
5015	486363.1	3863377.3	8.47E-08	4.59E-08	-3.87E-08	3.21E-08	1.79E-08	-1.42E-08	1.63E-08	9.11E-09	-7.22E-09	3.21E-08	1.79E-08	-1.42E-08
5016	486863.1	3863377.3	8.78E-08	4.75E-08	-4.03E-08	3.33E-08	1.85E-08	-1.48E-08	1.69E-08	9.43E-09	-7.51E-09	3.33E-08	1.85E-08	-1.48E-08
5017	487363.1	3863377.3	9.14E-08	4.95E-08	-4.19E-08	3.47E-08	1.93E-08	-1.54E-08	1.76E-08	9.82E-09	-7.82E-09	3.47E-08	1.93E-08	-1.54E-08
5018	487863.1	3863377.3	9.59E-08	5.17E-08	-4.42E-08	3.64E-08	2.02E-08	-1.62E-08	1.85E-08	1.03E-08	-8.25E-09	3.64E-08	2.02E-08	-1.62E-08
5019	488363.1	3863377.3	1.00E-07	5.38E-08	-4.62E-08	3.79E-08	2.10E-08	-1.69E-08	1.93E-08	1.07E-08	-8.61E-09	3.79E-08	2.10E-08	-1.69E-08
5020	488863.1	3863377.3	1.04E-07	5.61E-08	-4.83E-08	3.96E-08	2.19E-08	-1.77E-08	2.02E-08	1.11E-08	-9.02E-09	3.96E-08	2.19E-08	-1.77E-08
5021	489363.1	3863377.3	1.09E-07	5.86E-08	-5.04E-08	4.13E-08	2.29E-08	-1.85E-08	2.10E-08	1.16E-08	-9.40E-09	4.13E-08	2.29E-08	-1.85E-08
5022	489863.1	3863377.3	1.14E-07	6.16E-08	-5.28E-08	4.34E-08	2.40E-08	-1.94E-08	2.21E-08	1.22E-08	-9.86E-09	4.34E-08	2.40E-08	-1.94E-08
5023	490363.1	3863377.3	1.20E-07	6.48E-08	-5.50E-08	4.54E-08	2.53E-08	-2.02E-08	2.31E-08	1.28E-08	-1.03E-08	4.54E-08	2.53E-08	-2.02E-08
5024	490863.1	3863377.3	1.25E-07	6.80E-08	-5.68E-08	4.73E-08	2.65E-08	-2.08E-08	2.41E-08	1.35E-08	-1.06E-08	4.73E-08	2.65E-08	-2.08E-08
5025	491363.1	3863377.3	1.30E-07	7.14E-08	-5.87E-08	4.94E-08	2.79E-08	-2.15E-08	2.51E-08	1.42E-08	-1.09E-08	4.94E-08	2.79E-08	-2.15E-08
5026	491863.1	3863377.3	1.37E-07	7.51E-08	-6.18E-08	5.19E-08	2.93E-08	-2.26E-08	2.64E-08	1.49E-08	-1.15E-08	5.19E-08	2.93E-08	-2.26E-08
5027	492363.1	3863377.3	1.43E-07	7.82E-08	-6.50E-08	5.43E-08	3.05E-08	-2.38E-08	2.76E-08	1.55E-08	-1.21E-08	5.43E-08	3.05E-08	-2.38E-08
5028	492863.1	3863377.3	1.41E-07	7.63E-08	-6.46E-08	5.35E-08	2.98E-08	-2.37E-08	2.72E-08	1.51E-08	-1.21E-08	5.35E-08	2.98E-08	-2.37E-08
5029	493363.1	3863377.3	1.35E-07	7.30E-08	-6.16E-08	5.11E-08	2.85E-08	-2.26E-08	2.60E-08	1.45E-08	-1.15E-08	5.11E-08	2.85E-08	-2.26E-08
5030	493863.1	3863377.3	1.42E-07	7.78E-08	-6.45E-08	5.40E-08	3.04E-08	-2.36E-08	2.75E-08	1.54E-08	-1.20E-08	5.40E-08	3.04E-08	-2.36E-08
5031	494363.1	3863377.3	1.59E-07	8.68E-08	-7.17E-08	6.01E-08	3.39E-08	-2.63E-08	3.06E-08	1.72E-08	-1.34E-08	6.01E-08	3.39E-08	-2.63E-08
5032	494863.1	3863377.3	1.62E-07	8.80E-08	-7.36E-08	6.13E-08	3.43E-08	-2.70E-08	3.12E-08	1.75E-08	-1.37E-08	6.13E-08	3.43E-08	-2.70E-08
5033	495363.1	3863377.3	1.59E-07	8.63E-08	-7.27E-08	6.03E-08	3.37E-08	-2.66E-08	3.07E-08	1.71E-08	-1.35E-08	6.03E-08	3.37E-08	-2.66E-08
5034	495863.1	3863377.3	1.62E-07	8.77E-08	-7.40E-08	6.13E-08	3.42E-08	-2.71E-08	3.12E-08	1.74E-08	-1.38E-08	6.13E-08	3.42E-08	-2.71E-08
5035	496363.1	3863377.3	2.25E-07	1.23E-07	-1.02E-07	8.54E-08	4.79E-08	-3.75E-08	4.34E-08	2.43E-08	-1.91E-08	8.54E-08	4.79E-08	-3.75E-08
5036	496863.1	3863377.3	2.32E-07	1.27E-07	-1.05E-07	8.82E-08	4.95E-08	-3.86E-08	4.48E-08	2.52E-08	-1.97E-08	8.82E-08	4.95E-08	-3.86E-08
5037	497363.1	3863377.3	2.29E-07	1.25E-07	-1.04E-07	8.68E-08	4.88E-08	-3.79E-08	4.41E-08	2.48E-08	-1.93E-08	8.68E-08	4.88E-08	-3.79E-08
5038	497863.1	3863377.3	2.22E-07	1.21E-07	-1.00E-07	8.41E-08	4.74E-08	-3.67E-08	4.27E-08	2.41E-08	-1.87E-08	8.41E-08	4.74E-08	-3.67E-08
5039	498363.1	3863377.3	2.20E-07	1.20E-07	-9.93E-08	8.34E-08	4.70E-08	-3.64E-08	4.24E-08	2.39E-08	-1.85E-08	8.34E-08	4.70E-08	-3.64E-08
5040	471363.1	3863877.3	4.14E-08	2.24E-08	-1.90E-08	1.57E-08	8.74E-09	-6.98E-09	7.99E-09	4.45E-09	-3.55E-09	1.57E-08	8.74E-09	-6.98E-09
5041	471863.1	3863877.3	4.23E-08	2.29E-08	-1.94E-08	1.61E-08	8.93E-09	-7.13E-09	8.17E-09	4.54E-09	-3.62E-09	1.61E-08	8.93E-09	-7.13E-09
5042	472363.1	3863877.3	4.28E-08	2.31E-08	-1.96E-08	1.62E-08	9.03E-09	-7.20E-09	8.25E-09	4.59E-09	-3.66E-09	1.62E-08	9.03E-09	-7.20E-09
5043	472863.1	3863877.3	4.37E-08	2.36E-08	-2.00E-08	1.66E-08	9.22E-09	-7.35E-09	8.43E-09	4.69E-09	-3.74E-09	1.66E-08	9.22E-09	-7.35E-09
5044	473363.1	3863877.3	4.46E-08	2.40E-08	-2.06E-08	1.69E-08	9.37E-09	-7.55E-09	8.60E-09	4.76E-09	-3.84E-09	1.69E-08	9.37E-09	-7.55E-09
5045	473863.1	3863877.3	4.55E-08	2.45E-08	-2.10E-08	1.73E-08	9.56E-09	-7.70E-09	8.78E-09	4.86E-09	-3.91E-09	1.73E-08	9.56E-09	-7.70E-09
5046	474363.1	3863877.3	4.59E-08	2.47E-08	-2.12E-08	1.74E-08	9.65E-09	-7.77E-09	8.86E-09	4.91E-09	-3.95E-09	1.74E-08	9.65E-09	-7.77E-09
5047	474863.1	3863877.3	4.68E-08	2.52E-08	-2.16E-08	1.78E-08	9.85E-09	-7.92E-09	9.04E-09	5.01E-09	-4.03E-09	1.78E-08	9.85E-09	-7.92E-09
5048	475363.1	3863877.3	4.77E-08	2.57E-08	-2.20E-08	1.81E-08	1.00E-08	-8.07E-09	9.21E-09	5.10E-09	-4.11E-09	1.81E-08	1.00E-08	-8.07E-09
5049	475863.1	3863877.3	4.86E-08	2.62E-08	-2.24E-08	1.85E-08	1.02E-08	-8.22E-09	9.38E-09	5.20E-09	-4.18E-09	1.85E-08	1.02E-08	-8.22E-09
5050	476363.1	3863877.3	4.95E-08	2.67E-08	-2.28E-08	1.88E-08	1.04E-08	-8.37E-09	9.56E-09	5.30E-09	-4.26E-09	1.88E-08	1.04E-08	-8.37E-09
5051	476863.1	3863877.3	5.04E-08	2.72E-08	-2.32E-08	1.91E-08	1.06E-08	-8.52E-09	9.73E-09	5.40E-09	-4.33E-09	1.91E-08	1.06E-08	-8.52E-09
5052	477363.1	3863877.3	5.13E-08	2.76E-08	-2.38E-08	1.95E-08	1.08E-08	-8.72E-09	9.90E-09	5.47E-09	-4.43E-09	1.95E-08	1.08E-08	-8.72E-09
5053	477863.1	3863877.3	5.18E-08	2.80E-08	-2.38E-08	1.96E-08	1.09E-08	-8.75E-09	9.99E-09	5.54E-09	-4.45E-09	1.96E-08	1.09E-08	-8.75E-09
5054	478363.1	3863877.3	5.04E-08	2.75E-08	-2.30E-08	1.91E-08	1.07E-08	-8.42E-09	9.73E-09	5.45E-09	-4.28E-09	1.91E-08	1.07E-08	-8.42E-09
5055	478863.1	3863877.3	5.36E-08	2.89E-08	-2.47E-08	2.03E-08	1.13E-08	-9.04E-09	1.03E-08	5.74E-09	-4.60E-09	2.03E-08	1.13E-08	-9.04E-09
5056	479363.1	3863877.3	5.54E-08	2.98E-08	-2.56E-08	2.10E-08	1.16E-08	-9.39E-09	1.07E-08	5.91E-09	-4.78E-09	2.10E-08	1.16E-08	-9.39E-09
5057	479863.1	3863877.3	5.72E-08	3.08E-08	-2.64E-08	2.17E-08	1.20E-08	-9.69E-09	1.10E-08	6.11E-09	-4.93E-09	2.17E-08	1.20E-08	-9.69E-09
5058	480363.1	3863877.3	5.85E-08	3.14E-08	-2.71E-08	2.22E-08	1.22E-08	-9.96E-09	1.13E-08	6.23E-09	-5.07E-09	2.22E-08	1.22E-08	-9.96E-09
5059	480863.1	3863877.3	5.99E-08	3.23E-08	-2.76E-08	2.27E-08	1.26E-08	-1.01E-08	1.16E-08	6.40E-09	-5.16E-09	2.27E-08	1.26E-08	-1.01E-08
5060	481363.1	3863877.3	6.17E-08	3.31E-08	-2.86E-08	2.34E-08	1.29E-08	-1.05E-08	1.19E-08	6.57E-09	-5.33E-09	2.34E-08	1.29E-08	-1.05E-08
5061	481863.1	3863877.3	6.35E-08	3.41E-08	-2.94E-08	2.41E-08	1.33E-08	-1.08E-08	1.23E-08	6.77E-09	-5.49E-09	2.41E-08	1.33E-08	-1.08E-08
5062	482363.1	3863877.3	6.48E-08	3.48E-08	-3.00E-08	2.46E-08	1.36E-08	-1.10E-08	1.25E-08	6.91E-09	-5.60E-09	2.46E-08	1.36E-08	-1.10E-08
5063	482863.1	3863877.3	6.62E-08	3.56E-08	-3.06E-08	2.51E-08	1.39E-08	-1.12E-08	1.28E-08	7.06E-09	-5.71E-09	2.51E-08	1.39E-08	-1.12E-08
5064	483363.1	3863877.3	6.76E-08	3.64E-08	-3.11E-08	2.56E-08	1.42E-08	-1.14E-08	1.30E-08	7.23E-09	-5.80E-09	2.56E-08	1.42E-08	-1.14E-08
5065	483863.1	3863877.3	6.89E-08	3.72E-08	-3.17E-08	2.61E-08	1.45E-08	-1.16E-08	1.33E-08	7.38E-09	-5.92E-09	2.61E-08	1.45E-08	-1.16E-08
5066	484363.1	3863877.3	7.07E-08	3.82E-08	-3.25E-08	2.68E-08	1.49E-08	-1.19E-08	1.36E-08	7.57E-09	-6.07E-09	2.68E-08	1.49E-08	-1.19E-08
5067	484863.1	3863877.3	7.25E-08	3.93E-08	-3.32E-08	2.75E-08	1.53E-08	-1.22E-08	1.40E-08	7.79E-09	-6.20E-09	2.75E-08	1.53E-08	-1.22E-08
5068	485363.1	3863877.3	7.43E-08	4.03E-08	-3.40E-08	2.82E-08	1.57E-08	-1.25E-08	1.43E-08	7.99E-09	-6.35E-09	2.82E-08	1.57E-08	-1.25E-08
5069	485863.1	3863877.3	7.61E-08	4.12E-08	-3.49E-08	2.89E-08	1.61E-08	-1.28E-08	1.47E-08	8.18E-09	-6.50E-09	2.89E-08	1.61E-08	-1.28E-08
5070	486363.1	3863877.3	7.79E-08	4.22E-08	-3.57E-08	2.96E-08	1.65E-08	-1.31E-08	1.50E-08	8.38E-09	-6.65E-09	2.96E-08	1.65E-08	-1.31E-08
5071	486863.1	3863877.3	8.02E-08	4.35E-08	-3.67E-08	3.04E-08	1.70E-08	-1.35E-08	1.55E-08	8.62E-09	-6.84E-09	3.04E-08	1.70E-08	-1.35E-08
5072	487363.1	3863877.3	8.29E-08	4.49E-08	-3.79E-08	3.14E-08	1.75E-08	-1.39E-08	1.60E-08	8.91E-09	-7.07E-09	3.14E-08	1.75E-08	-1.39E-08
5073	487863.1	3863877.3	8.65E-08	4.68E-08	-3.97E-08	3.28E-08	1.82E-08	-1.46E-08	1.67E-08	9.28E-09	-7.40E-09	3.28E-08	1.82E-08	-1.46E-08
5074	488363.1	3863877.3	9.01E-08	4.86E-08	-4.14E-08	3.42E-08	1.90E-08	-1.52E-08	1.74E-08	9.65E-09	-7.73E-09	3.42E-08	1.90E-08	-1.52E-08

5075	488863.1	3863877.3	9.37E-08	5.05E-08	-4.32E-08	3.55E-08	1.97E-08	-1.58E-08	1.81E-08	1.00E-08	-8.06E-09	3.55E-08	1.97E-08	-1.58E-08
5076	489363.1	3863877.3	9.77E-08	5.26E-08	-4.51E-08	3.71E-08	2.05E-08	-1.66E-08	1.89E-08	1.04E-08	-8.42E-09	3.71E-08	2.05E-08	-1.66E-08
5077	489863.1	3863877.3	1.01E-07	5.45E-08	-4.68E-08	3.84E-08	2.13E-08	-1.72E-08	1.95E-08	1.08E-08	-8.73E-09	3.84E-08	2.13E-08	-1.72E-08
5078	490363.1	3863877.3	1.05E-07	5.66E-08	-4.83E-08	3.98E-08	2.21E-08	-1.77E-08	2.02E-08	1.12E-08	-9.01E-09	3.98E-08	2.21E-08	-1.77E-08
5079	490863.1	3863877.3	1.08E-07	5.86E-08	-4.95E-08	4.10E-08	2.29E-08	-1.81E-08	2.09E-08	1.16E-08	-9.23E-09	4.10E-08	2.29E-08	-1.81E-08
5080	491363.1	3863877.3	1.11E-07	6.05E-08	-5.03E-08	4.20E-08	2.36E-08	-1.84E-08	2.14E-08	1.20E-08	-9.38E-09	4.20E-08	2.36E-08	-1.84E-08
5081	491863.1	3863877.3	1.09E-07	6.01E-08	-4.93E-08	4.15E-08	2.34E-08	-1.81E-08	2.11E-08	1.19E-08	-9.19E-09	4.15E-08	2.34E-08	-1.81E-08
5082	492363.1	3863877.3	9.68E-08	5.34E-08	-4.34E-08	3.67E-08	2.08E-08	-1.59E-08	1.87E-08	1.06E-08	-8.08E-09	3.67E-08	2.08E-08	-1.59E-08
5083	492863.1	3863877.3	8.65E-08	4.75E-08	-3.89E-08	3.28E-08	1.85E-08	-1.43E-08	1.67E-08	9.43E-09	-7.25E-09	3.28E-08	1.85E-08	-1.43E-08
5084	493363.1	3863877.3	9.10E-08	4.90E-08	-4.20E-08	3.45E-08	1.91E-08	-1.54E-08	1.76E-08	9.72E-09	-7.83E-09	3.45E-08	1.91E-08	-1.54E-08
5085	493863.1	3863877.3	9.82E-08	5.28E-08	-4.53E-08	3.72E-08	2.06E-08	-1.66E-08	1.89E-08	1.05E-08	-8.46E-09	3.72E-08	2.06E-08	-1.66E-08
5086	494363.1	3863877.3	1.05E-07	5.76E-08	-4.78E-08	4.00E-08	2.25E-08	-1.75E-08	2.03E-08	1.14E-08	-8.90E-09	4.00E-08	2.25E-08	-1.75E-08
5087	494863.1	3863877.3	1.08E-07	5.92E-08	-4.84E-08	4.08E-08	2.31E-08	-1.77E-08	2.08E-08	1.17E-08	-9.02E-09	4.08E-08	2.31E-08	-1.77E-08
5088	495363.1	3863877.3	1.12E-07	6.10E-08	-5.07E-08	4.24E-08	2.38E-08	-1.86E-08	2.15E-08	1.21E-08	-9.46E-09	4.24E-08	2.38E-08	-1.86E-08
5089	495863.1	3863877.3	1.13E-07	6.12E-08	-5.18E-08	4.29E-08	2.39E-08	-1.90E-08	2.18E-08	1.21E-08	-9.67E-09	4.29E-08	2.39E-08	-1.90E-08
5090	496363.1	3863877.3	1.28E-07	6.93E-08	-5.86E-08	4.85E-08	2.70E-08	-2.15E-08	2.47E-08	1.38E-08	-1.09E-08	4.85E-08	2.70E-08	-2.15E-08
5091	496863.1	3863877.3	1.44E-07	7.83E-08	-6.58E-08	5.47E-08	3.05E-08	-2.41E-08	2.78E-08	1.55E-08	-1.23E-08	5.47E-08	3.05E-08	-2.41E-08
5092	497363.1	3863877.3	1.48E-07	8.07E-08	-6.75E-08	5.62E-08	3.15E-08	-2.48E-08	2.86E-08	1.60E-08	-1.26E-08	5.62E-08	3.15E-08	-2.48E-08
5093	497863.1	3863877.3	1.45E-07	7.94E-08	-6.60E-08	5.52E-08	3.10E-08	-2.42E-08	2.81E-08	1.58E-08	-1.23E-08	5.52E-08	3.10E-08	-2.42E-08
5094	498363.1	3863877.3	1.41E-07	7.71E-08	-6.39E-08	5.35E-08	3.01E-08	-2.34E-08	2.72E-08	1.53E-08	-1.19E-08	5.35E-08	3.01E-08	-2.34E-08
5095	471363.1	3864377.3	4.05E-08	2.19E-08	-1.86E-08	1.54E-08	8.55E-09	-6.83E-09	7.82E-09	4.35E-09	-3.47E-09	1.54E-08	8.55E-09	-6.83E-09
5096	471863.1	3864377.3	4.10E-08	2.22E-08	-1.88E-08	1.55E-08	8.64E-09	-6.90E-09	7.91E-09	4.40E-09	-3.51E-09	1.55E-08	8.64E-09	-6.90E-09
5097	472363.1	3864377.3	4.19E-08	2.27E-08	-1.92E-08	1.59E-08	8.84E-09	-7.05E-09	8.08E-09	4.49E-09	-3.59E-09	1.59E-08	8.84E-09	-7.05E-09
5098	472863.1	3864377.3	4.28E-08	2.30E-08	-1.98E-08	1.62E-08	8.98E-09	-7.25E-09	8.25E-09	4.57E-09	-3.69E-09	1.62E-08	8.98E-09	-7.25E-09
5099	473363.1	3864377.3	4.32E-08	2.34E-08	-1.98E-08	1.64E-08	9.12E-09	-7.28E-09	8.34E-09	4.64E-09	-3.70E-09	1.64E-08	9.12E-09	-7.28E-09
5100	473863.1	3864377.3	4.41E-08	2.38E-08	-2.04E-08	1.67E-08	9.27E-09	-7.47E-09	8.51E-09	4.71E-09	-3.80E-09	1.67E-08	9.27E-09	-7.47E-09
5101	474363.1	3864377.3	4.46E-08	2.41E-08	-2.04E-08	1.69E-08	9.41E-09	-7.50E-09	8.60E-09	4.79E-09	-3.81E-09	1.69E-08	9.41E-09	-7.50E-09
5102	474863.1	3864377.3	4.55E-08	2.45E-08	-2.10E-08	1.73E-08	9.56E-09	-7.70E-09	8.78E-09	4.86E-09	-3.91E-09	1.73E-08	9.56E-09	-7.70E-09
5103	475363.1	3864377.3	4.59E-08	2.49E-08	-2.11E-08	1.74E-08	9.70E-09	-7.73E-09	8.86E-09	4.93E-09	-3.93E-09	1.74E-08	9.70E-09	-7.73E-09
5104	475863.1	3864377.3	4.68E-08	2.54E-08	-2.15E-08	1.78E-08	9.89E-09	-7.87E-09	9.04E-09	5.03E-09	-4.00E-09	1.78E-08	9.89E-09	-7.87E-09
5105	476363.1	3864377.3	4.77E-08	2.57E-08	-2.20E-08	1.81E-08	1.00E-08	-8.07E-09	9.21E-09	5.10E-09	-4.11E-09	1.81E-08	1.00E-08	-8.07E-09
5106	476863.1	3864377.3	4.86E-08	2.62E-08	-2.24E-08	1.85E-08	1.02E-08	-8.22E-09	9.38E-09	5.20E-09	-4.18E-09	1.85E-08	1.02E-08	-8.22E-09
5107	477363.1	3864377.3	5.00E-08	2.68E-08	-2.31E-08	1.90E-08	1.05E-08	-8.49E-09	9.64E-09	5.32E-09	-4.32E-09	1.90E-08	1.05E-08	-8.49E-09
5108	477863.1	3864377.3	5.09E-08	2.73E-08	-2.36E-08	1.93E-08	1.07E-08	-8.64E-09	9.82E-09	5.42E-09	-4.40E-09	1.93E-08	1.07E-08	-8.64E-09
5109	478363.1	3864377.3	5.13E-08	2.77E-08	-2.36E-08	1.95E-08	1.08E-08	-8.67E-09	9.90E-09	5.50E-09	-4.41E-09	1.95E-08	1.08E-08	-8.67E-09
5110	478863.1	3864377.3	5.22E-08	2.82E-08	-2.40E-08	1.98E-08	1.10E-08	-8.82E-09	1.01E-08	5.59E-09	-4.49E-09	1.98E-08	1.10E-08	-8.82E-09
5111	479363.1	3864377.3	5.31E-08	2.87E-08	-2.44E-08	2.02E-08	1.12E-08	-8.97E-09	1.03E-08	5.69E-09	-4.56E-09	2.02E-08	1.12E-08	-8.97E-09
5112	479863.1	3864377.3	5.45E-08	2.93E-08	-2.52E-08	2.07E-08	1.14E-08	-9.24E-09	1.05E-08	5.81E-09	-4.70E-09	2.07E-08	1.14E-08	-9.24E-09
5113	480363.1	3864377.3	5.54E-08	2.98E-08	-2.56E-08	2.10E-08	1.16E-08	-9.39E-09	1.07E-08	5.91E-09	-4.78E-09	2.10E-08	1.16E-08	-9.39E-09
5114	480863.1	3864377.3	5.63E-08	3.04E-08	-2.59E-08	2.14E-08	1.19E-08	-9.49E-09	1.09E-08	6.03E-09	-4.83E-09	2.14E-08	1.19E-08	-9.49E-09
5115	481363.1	3864377.3	5.81E-08	3.13E-08	-2.68E-08	2.20E-08	1.22E-08	-9.84E-09	1.12E-08	6.20E-09	-5.00E-09	2.20E-08	1.22E-08	-9.84E-09
5116	481863.1	3864377.3	5.99E-08	3.21E-08	-2.78E-08	2.27E-08	1.25E-08	-1.02E-08	1.16E-08	6.37E-09	-5.18E-09	2.27E-08	1.25E-08	-1.02E-08
5117	482363.1	3864377.3	6.08E-08	3.28E-08	-2.80E-08	2.31E-08	1.28E-08	-1.03E-08	1.17E-08	6.50E-09	-5.23E-09	2.31E-08	1.28E-08	-1.03E-08
5118	482863.1	3864377.3	6.17E-08	3.34E-08	-2.83E-08	2.34E-08	1.30E-08	-1.04E-08	1.19E-08	6.62E-09	-5.28E-09	2.34E-08	1.30E-08	-1.04E-08
5119	483363.1	3864377.3	6.30E-08	3.41E-08	-2.89E-08	2.39E-08	1.33E-08	-1.06E-08	1.22E-08	6.77E-09	-5.40E-09	2.39E-08	1.33E-08	-1.06E-08
5120	483863.1	3864377.3	6.44E-08	3.48E-08	-2.96E-08	2.44E-08	1.36E-08	-1.08E-08	1.24E-08	6.91E-09	-5.51E-09	2.44E-08	1.36E-08	-1.08E-08
5121	484363.1	3864377.3	6.57E-08	3.56E-08	-3.02E-08	2.49E-08	1.39E-08	-1.11E-08	1.27E-08	7.06E-09	-5.63E-09	2.49E-08	1.39E-08	-1.11E-08
5122	484863.1	3864377.3	6.76E-08	3.66E-08	-3.10E-08	2.56E-08	1.43E-08	-1.14E-08	1.30E-08	7.25E-09	-5.78E-09	2.56E-08	1.43E-08	-1.14E-08
5123	485363.1	3864377.3	6.94E-08	3.76E-08	-3.18E-08	2.63E-08	1.46E-08	-1.17E-08	1.34E-08	7.45E-09	-5.93E-09	2.63E-08	1.46E-08	-1.17E-08
5124	485863.1	3864377.3	7.12E-08	3.85E-08	-3.26E-08	2.70E-08	1.50E-08	-1.20E-08	1.37E-08	7.64E-09	-6.08E-09	2.70E-08	1.50E-08	-1.20E-08
5125	486363.1	3864377.3	7.25E-08	3.94E-08	-3.31E-08	2.75E-08	1.54E-08	-1.21E-08	1.40E-08	7.82E-09	-6.17E-09	2.75E-08	1.54E-08	-1.21E-08
5126	486863.1	3864377.3	7.43E-08	4.04E-08	-3.39E-08	2.82E-08	1.58E-08	-1.24E-08	1.43E-08	8.01E-09	-6.32E-09	2.82E-08	1.58E-08	-1.24E-08
5127	487363.1	3864377.3	7.66E-08	4.15E-08	-3.51E-08	2.90E-08	1.62E-08	-1.29E-08	1.48E-08	8.23E-09	-6.54E-09	2.90E-08	1.62E-08	-1.29E-08
5128	487863.1	3864377.3	7.88E-08	4.27E-08	-3.61E-08	2.99E-08	1.67E-08	-1.32E-08	1.52E-08	8.47E-09	-6.73E-09	2.99E-08	1.67E-08	-1.32E-08
5129	488363.1	3864377.3	8.15E-08	4.40E-08	-3.76E-08	3.09E-08	1.71E-08	-1.38E-08	1.57E-08	8.72E-09	-7.01E-09	3.09E-08	1.71E-08	-1.38E-08
5130	488863.1	3864377.3	8.38E-08	4.52E-08	-3.86E-08	3.18E-08	1.76E-08	-1.42E-08	1.62E-08	8.96E-09	-7.20E-09	3.18E-08	1.76E-08	-1.42E-08
5131	489363.1	3864377.3	8.60E-08	4.63E-08	-3.97E-08	3.26E-08	1.81E-08	-1.46E-08	1.66E-08	9.18E-09	-7.41E-09	3.26E-08	1.81E-08	-1.46E-08
5132	489863.1	3864377.3	8.83E-08	4.75E-08	-4.07E-08	3.35E-08	1.85E-08	-1.49E-08	1.70E-08	9.43E-09	-7.60E-09	3.35E-08	1.85E-08	-1.49E-08
5133	490363.1	3864377.3	9.10E-08	4.89E-08	-4.21E-08	3.45E-08	1.91E-08	-1.54E-08	1.76E-08	9.70E-09	-7.85E-09	3.45E-08	1.91E-08	-1.54E-08
5134	490863.1	3864377.3	9.28E-08	5.01E-08	-4.27E-08	3.52E-08	1.95E-08	-1.56E-08	1.79E-08	9.94E-09	-7.96E-09	3.52E-08	1.95E-08	-1.56E-08
5135	491363.1	3864377.3	8.83E-08	4.79E-08	-4.04E-08	3.35E-08	1.87E-08	-1.48E-08	1.70E-08	9.50E-09	-7.53E-09	3.35E-08	1.87E-08	-1.48E-08
5136	491863.1	3864377.3	5.13E-08	2.89E-08	-2.24E-08	1.95E-08	1.13E-08	-8.19E-09	9.90E-09	5.74E-09	-4.17E-09	1.95E-08	1.13E-08	-8.19E-09
5137	492363.1	3864377.3	6.48E-08	3.63E-08	-2.85E-08	2.46E-08	1.42E-08	-1.04E-08	1.25E-08	7.20E-09	-5.31E-09	2.46E-08	1.42E-08	-1.04E-08
5138	492863.1	3864377.3	5.31E-08	3.00E-08	-2.31E-08	2.02E-08	1.17E-08	-8.44E-09	1.03E-08	5.96E-09	-4.29E-09	2.02E-08	1.17E-08	-8.44E-09
5139	493363.1	3864377.3	6.21E-08	3.41E-08	-2.80E-08	2.36E-08	1.33E-08	-1.03E-08	1.20E-08	6.77E-09	-5.22E-09	2.36E-08	1.33E-08	-1.03E-08
5140	493863.1	3864377.3	7.30E-08	3.90E-08	-3.39E-08	2.77E-08	1.52E-08	-1.25E-08	1.41E-08	7.74E-09	-6.33E-09	2.77E-08	1.52E-08	-1.25E-08
5141	494363.1	3864377.3	8.02E-08	4.31E-08	-3.71E-08	3.04E-08	1.68E-08	-1.36E-08	1.55E-08	8.55E-09	-6.92E-09	3.04E-08	1.68E-08	-1.36E-08
5142	494863.1	3864377.3	8.56E-08	4.68E-08	-3.88E-08	3.25E-08	1.82E-08	-1.42E-08	1.65E-08	9.28E-09	-7.23E-09	3.25E-08	1.82E-08	-1.42E-08
5143	495363.1	3864377.3	8.56E-08	4.72E-08	-3.84E-08	3.25E-08	1.84E-08	-1.41E-08	1.65E-08	9.35E-09	-7.15E-09	3.25E-08	1.84E-08	-1.41E-08
5144	495863.1	3864377.3	8.65E-08	4.73E-08	-3.92E-08	3.28E-08	1.84E-08	-1.44E-08	1.67E-08	9.38E-09	-7.30E-09	3.28E-08	1.84E-08	-1.44E-08
5145	496363.1	3864377.3	9.14E-08	4.96E-08	-4.18E-08	3.47E-08	1.94E-08	-1.53E-08	1.76E-08	9.84E-09	-7.79E-09	3.47E-08	1.94E-08	-1.53E-08
5146	496863.1	3864377.3	9.41E-08	5.10E-08	-4.31E-08	3.57E-08	1.99E-08	-1.58E-08	1.82E-08	1.01E-08	-8.05E-09	3.57E-08	1.99E-08	-1.58E-08
5147	497363.1	3864377.3	1.03E-07	5.55E-08	-4.71E-08	3.90E-08	2.17E-08	-1.73E-08	1.98E-08	1.10E-08	-8.79E-09	3.90E-08	2.17E-08	-1.73E-08
5148	497863.1	3864377.3	1.04E-07	5.64E-08	-4.76E-08	3.95E-08	2.20E-08	-1.75E-08	2.01E-08	1.12E-08	-8.88E-09	3.95E-08	2.20E-08	-1.75E-08
5149	498363.1	3864377.3	1.10E-07	5.97E-08	-5.02E-08	4.17E-08	2.33E-08	-1.84E-08	2.12E-08	1.18E-08	-9.35E-09	4.17E-08	2.33E-08	-1.84E-08
5150	471363.1	3864877.3	3.92E-08	2.13E-08	-1.79E-08	1.49E-08	8.31E-09	-6.56E-09	7.56E-09	4.23E-09	-3.33E-09	1.49E-08	8.31E-09	-6.56E-09
5151	471863.1	3864877.3	4.01E-08	2.17E-08	-1.84E-08	1.52E-08	8.45E-09	-6.75E-09	7.73E-09	4.30E-09	-3.43E-09	1.52E-08	8.45E-09	-6.75E-09
5152	472363.1	3864877.3	4.05E-08	2.19E-08	-1.86E-08	1.54E-08	8.55E-09	-6.83E-09	7.82E-09	4.35E-09	-3.47E-09	1.54E-08	8.55E-09	-6.83E-09
5153	472863.1	3864877.3	4.14E-08	2.24E-08	-1.90E-08	1.57E-08	8.74E-09	-6.98E-09	7.99E-09	4.45E-09	-3.55E-09	1.57E-08	8.74E-09	-6.98E-09
5154	473363.1	3864877.3	4.19E-08	2.27E-08	-1.92E-08	1.59E-08	8.84E-09	-7.05E-09	8.08E-09	4.49E-09	-3.59E-09	1.59E-08	8.84E-09	-7.05E-09
5155	473863.1	3864877.3	4.28E-08	2.30E-08	-1.98E-08	1.62E-08	8.98E-09	-7.25E-09	8.25E-09	4.57E-09	-3.69E-09	1.62E-08	8.98E-09	-7.25E-09
5156	474363.1	3864877.3	4.32E-08	2.33E-08	-2.00E-08	1.64E-08	9.08E-09	-7.32E-09	8.34E-09	4.62E-09	-3.72E-09	1.64E-08	9.08E-09	-7.32E-09
5157	474863.1	3864877.3	4.37E-08	2.36E-08	-2.00E-08	1.66E-08	9.22E-09	-7.35E-09	8.43E-09	4.69E-09	-3.74E-09	1.66E-08	9.22E-09	-7.35E-09
5158	475363.1	3864877.3	4.46E-08	2.40E-08	-2.06E-08	1.69E-08	9.37E-09	-7.55E-09	8.60E-09	4.76E-09	-3.84E-09	1.69E-08	9.37E-09	-7.55E-09
5159	475863.1	3864877.3	4.55E-08	2.45E-08	-2.10E-08	1.73E-08	9.56E-09	-7.70E-09	8.78E-09	4.86E-09	-3.91E-09	1.73E-08	9.56E-09	-7.70E-09
5160	476363.1	3864877.3	4.64E-08	2.49E-08	-2.15E-08	1.76E-08	9.70E-09	-7.90E-09	8.95E-09	4.93E-09	-4.02E-09	1.76E-08	9.70E-09	-7.90E-09
5161	476863.1	3864877.3	4.68E-08	2.52E-08	-2.16E-08	1.78E-08	9.85E-09	-7.92E-09	9.04E-09	5.01E-09	-4.03E-09	1.78E-08	9.85E-09	-7.92E-09
5162	477363.1	3864877.3	4.77E-08	2.57E-08	-2.20E-08	1.81E-08	1.00E-08	-8.07E-09	9.21E-09	5.10E-09	-4.11E-09	1.81E-08	1.00E-08	-8.07E-09
5163	477863.1	3864877.3	4.86E-08	2.61E-08	-2.25E-08	1.85E-08	1.02E-08	-8.27E-09	9.38E-09	5.18E-09	-4.21E-09	1.85E-08	1.02E-08	-8.27E-09
5164	478363.1	3864877.3	4.91E-08	2.65E-08	-2.26E-08	1.86E-08	1.03E-08	-8.30E-09	9.47E-09	5.25E-09	-4.22E-09	1.86E-08	1.03E-08	-8.30E-09
5165	478863.1	3864877.3	5.00E-08	2.70E-08	-2.30E-08	1.90E-08	1.05E-08	-8.45E-09	9.64E-09	5.35E-09	-4.30E-09	1.90E-08	1.05E-08	-8.45E-09
5166	479363.1	3864877.3	5.09E-08	2.75E-08	-2.34E-08	1.93E-08	1.07E-08	-8.60E-09	9.82E-09	5.45E-09	-4.37E-09	1.93E-08	1.07E-08	-8.60E-09
5167	479863.1	3864877.3	5.18E-08	2.80E-08	-2.38E-08	1.96E-08	1.09E-08	-8.75E-09	9.99E-09	5.54E-09	-4.45E-09	1.96E-08	1.09E-08	-8.75E-09
5168	480363.1	3864877.3	5.27E-08	2.84E-08	-2.42E-08	2.00E-08	1.11E-08	-8.89E-09	1.02E-08	5.64E-09	-4.52E-09	2.00E-08	1.11E-08	-8.89E-09

5169	480863.1	3864877.3	5.36E-08	2.89E-08	-2.47E-08	2.03E-08	1.13E-08	-9.04E-09	1.03E-08	5.74E-09	-4.60E-09	2.03E-08	1.13E-08	-9.04E-09
5170	481363.1	3864877.3	5.54E-08	2.98E-08	-2.56E-08	2.10E-08	1.16E-08	-9.39E-09	1.07E-08	5.91E-09	-4.78E-09	2.10E-08	1.16E-08	-9.39E-09
5171	481863.1	3864877.3	5.67E-08	3.05E-08	-2.62E-08	2.15E-08	1.19E-08	-9.62E-09	1.09E-08	6.06E-09	-4.89E-09	2.15E-08	1.19E-08	-9.62E-09
5172	482363.1	3864877.3	5.76E-08	3.10E-08	-2.66E-08	2.19E-08	1.21E-08	-9.77E-09	1.11E-08	6.15E-09	-4.97E-09	2.19E-08	1.21E-08	-9.77E-09
5173	482863.1	3864877.3	5.85E-08	3.16E-08	-2.69E-08	2.22E-08	1.23E-08	-9.87E-09	1.13E-08	6.28E-09	-5.02E-09	2.22E-08	1.23E-08	-9.87E-09
5174	483363.1	3864877.3	5.99E-08	3.23E-08	-2.76E-08	2.27E-08	1.26E-08	-1.01E-08	1.16E-08	6.40E-09	-5.16E-09	2.27E-08	1.26E-08	-1.01E-08
5175	483863.1	3864877.3	6.08E-08	3.29E-08	-2.79E-08	2.31E-08	1.28E-08	-1.02E-08	1.17E-08	6.52E-09	-5.21E-09	2.31E-08	1.28E-08	-1.02E-08
5176	484363.1	3864877.3	6.17E-08	3.35E-08	-2.82E-08	2.34E-08	1.31E-08	-1.03E-08	1.19E-08	6.64E-09	-5.26E-09	2.34E-08	1.31E-08	-1.03E-08
5177	484863.1	3864877.3	6.30E-08	3.42E-08	-2.88E-08	2.39E-08	1.34E-08	-1.06E-08	1.22E-08	6.79E-09	-5.37E-09	2.39E-08	1.34E-08	-1.06E-08
5178	485363.1	3864877.3	6.48E-08	3.51E-08	-2.98E-08	2.46E-08	1.37E-08	-1.09E-08	1.25E-08	6.96E-09	-5.55E-09	2.46E-08	1.37E-08	-1.09E-08
5179	485863.1	3864877.3	6.57E-08	3.57E-08	-3.00E-08	2.49E-08	1.39E-08	-1.10E-08	1.27E-08	7.08E-09	-5.60E-09	2.49E-08	1.39E-08	-1.10E-08
5180	486363.1	3864877.3	6.67E-08	3.62E-08	-3.04E-08	2.53E-08	1.41E-08	-1.12E-08	1.29E-08	7.18E-09	-5.68E-09	2.53E-08	1.41E-08	-1.12E-08
5181	486863.1	3864877.3	6.76E-08	3.68E-08	-3.07E-08	2.56E-08	1.44E-08	-1.13E-08	1.30E-08	7.30E-09	-5.73E-09	2.56E-08	1.44E-08	-1.13E-08
5182	487363.1	3864877.3	6.89E-08	3.76E-08	-3.13E-08	2.61E-08	1.46E-08	-1.15E-08	1.33E-08	7.45E-09	-5.84E-09	2.61E-08	1.46E-08	-1.15E-08
5183	487863.1	3864877.3	7.07E-08	3.84E-08	-3.23E-08	2.68E-08	1.50E-08	-1.18E-08	1.36E-08	7.62E-09	-6.02E-09	2.68E-08	1.50E-08	-1.18E-08
5184	488363.1	3864877.3	7.30E-08	3.95E-08	-3.34E-08	2.77E-08	1.54E-08	-1.23E-08	1.41E-08	7.84E-09	-6.24E-09	2.77E-08	1.54E-08	-1.23E-08
5185	488863.1	3864877.3	7.48E-08	4.04E-08	-3.44E-08	2.84E-08	1.58E-08	-1.26E-08	1.44E-08	8.01E-09	-6.41E-09	2.84E-08	1.58E-08	-1.26E-08
5186	489363.1	3864877.3	7.66E-08	4.11E-08	-3.54E-08	2.90E-08	1.60E-08	-1.30E-08	1.48E-08	8.16E-09	-6.61E-09	2.90E-08	1.60E-08	-1.30E-08
5187	489863.1	3864877.3	7.79E-08	4.19E-08	-3.60E-08	2.96E-08	1.63E-08	-1.32E-08	1.50E-08	8.30E-09	-6.73E-09	2.96E-08	1.63E-08	-1.32E-08
5188	490363.1	3864877.3	7.97E-08	4.29E-08	-3.69E-08	3.02E-08	1.67E-08	-1.35E-08	1.54E-08	8.50E-09	-6.88E-09	3.02E-08	1.67E-08	-1.35E-08
5189	490863.1	3864877.3	6.94E-08	3.71E-08	-3.23E-08	2.63E-08	1.45E-08	-1.19E-08	1.34E-08	7.35E-09	-6.03E-09	2.63E-08	1.45E-08	-1.19E-08
5190	491363.1	3864877.3	7.79E-08	4.22E-08	-3.57E-08	2.96E-08	1.65E-08	-1.31E-08	1.50E-08	8.38E-09	-6.65E-09	2.96E-08	1.65E-08	-1.31E-08
5191	491863.1	3864877.3	6.71E-08	3.66E-08	-3.05E-08	2.55E-08	1.43E-08	-1.12E-08	1.29E-08	7.25E-09	-5.69E-09	2.55E-08	1.43E-08	-1.12E-08
5192	492363.1	3864877.3	4.10E-08	2.30E-08	-1.80E-08	1.55E-08	8.98E-09	-6.57E-09	7.91E-09	4.57E-09	-3.34E-09	1.55E-08	8.98E-09	-6.57E-09
5193	492863.1	3864877.3	4.37E-08	2.49E-08	-1.88E-08	1.66E-08	9.70E-09	-6.87E-09	8.43E-09	4.93E-09	-3.49E-09	1.66E-08	9.70E-09	-6.87E-09
5194	493363.1	3864877.3	4.32E-08	2.41E-08	-1.91E-08	1.64E-08	9.41E-09	-6.99E-09	8.34E-09	4.79E-09	-3.55E-09	1.64E-08	9.41E-09	-6.99E-09
5195	493863.1	3864877.3	5.67E-08	3.12E-08	-2.56E-08	2.15E-08	1.22E-08	-9.38E-09	1.09E-08	6.18E-09	-4.77E-09	2.15E-08	1.22E-08	-9.38E-09
5196	494363.1	3864877.3	6.57E-08	3.53E-08	-3.04E-08	2.49E-08	1.38E-08	-1.12E-08	1.27E-08	7.01E-09	-5.68E-09	2.49E-08	1.38E-08	-1.12E-08
5197	494863.1	3864877.3	6.89E-08	3.69E-08	-3.20E-08	2.61E-08	1.44E-08	-1.17E-08	1.33E-08	7.33E-09	-5.97E-09	2.61E-08	1.44E-08	-1.17E-08
5198	495363.1	3864877.3	7.07E-08	3.85E-08	-3.22E-08	2.68E-08	1.50E-08	-1.18E-08	1.36E-08	7.64E-09	-6.00E-09	2.68E-08	1.50E-08	-1.18E-08
5199	495863.1	3864877.3	7.52E-08	4.12E-08	-3.40E-08	2.85E-08	1.61E-08	-1.24E-08	1.45E-08	8.18E-09	-6.33E-09	2.85E-08	1.61E-08	-1.24E-08
5200	496363.1	3864877.3	7.12E-08	3.92E-08	-3.20E-08	2.70E-08	1.53E-08	-1.17E-08	1.37E-08	7.77E-09	-5.96E-09	2.70E-08	1.53E-08	-1.17E-08
5201	496863.1	3864877.3	7.30E-08	3.96E-08	-3.33E-08	2.77E-08	1.55E-08	-1.22E-08	1.41E-08	7.86E-09	-6.21E-09	2.77E-08	1.55E-08	-1.22E-08
5202	497363.1	3864877.3	7.57E-08	4.09E-08	-3.48E-08	2.87E-08	1.59E-08	-1.28E-08	1.46E-08	8.11E-09	-6.49E-09	2.87E-08	1.59E-08	-1.28E-08
5203	497863.1	3864877.3	7.88E-08	4.25E-08	-3.63E-08	2.99E-08	1.66E-08	-1.33E-08	1.52E-08	8.43E-09	-6.78E-09	2.99E-08	1.66E-08	-1.33E-08
5204	498363.1	3864877.3	8.51E-08	4.61E-08	-3.91E-08	3.23E-08	1.80E-08	-1.43E-08	1.64E-08	9.13E-09	-7.29E-09	3.23E-08	1.80E-08	-1.43E-08
5205	471363.1	3865377.3	3.83E-08	2.07E-08	-1.76E-08	1.45E-08	8.07E-09	-6.45E-09	7.38E-09	4.10E-09	-3.28E-09	1.45E-08	8.07E-09	-6.45E-09
5206	471863.1	3865377.3	3.87E-08	2.09E-08	-1.78E-08	1.47E-08	8.16E-09	-6.53E-09	7.47E-09	4.15E-09	-3.32E-09	1.47E-08	8.16E-09	-6.53E-09
5207	472363.1	3865377.3	3.92E-08	2.12E-08	-1.80E-08	1.49E-08	8.26E-09	-6.60E-09	7.56E-09	4.20E-09	-3.36E-09	1.49E-08	8.26E-09	-6.60E-09
5208	472863.1	3865377.3	4.01E-08	2.17E-08	-1.84E-08	1.52E-08	8.45E-09	-6.75E-09	7.73E-09	4.30E-09	-3.43E-09	1.52E-08	8.45E-09	-6.75E-09
5209	473363.1	3865377.3	4.05E-08	2.19E-08	-1.86E-08	1.54E-08	8.55E-09	-6.83E-09	7.82E-09	4.35E-09	-3.47E-09	1.54E-08	8.55E-09	-6.83E-09
5210	473863.1	3865377.3	4.10E-08	2.22E-08	-1.88E-08	1.55E-08	8.64E-09	-6.90E-09	7.91E-09	4.40E-09	-3.51E-09	1.55E-08	8.64E-09	-6.90E-09
5211	474363.1	3865377.3	4.19E-08	2.25E-08	-1.93E-08	1.59E-08	8.79E-09	-7.10E-09	8.08E-09	4.47E-09	-3.61E-09	1.59E-08	8.79E-09	-7.10E-09
5212	474863.1	3865377.3	4.23E-08	2.28E-08	-1.96E-08	1.61E-08	8.88E-09	-7.17E-09	8.17E-09	4.52E-09	-3.65E-09	1.61E-08	8.88E-09	-7.17E-09
5213	475363.1	3865377.3	4.32E-08	2.33E-08	-2.00E-08	1.64E-08	9.08E-09	-7.32E-09	8.34E-09	4.62E-09	-3.72E-09	1.64E-08	9.08E-09	-7.32E-09
5214	475863.1	3865377.3	4.37E-08	2.35E-08	-2.02E-08	1.66E-08	9.17E-09	-7.40E-09	8.43E-09	4.66E-09	-3.76E-09	1.66E-08	9.17E-09	-7.40E-09
5215	476363.1	3865377.3	4.46E-08	2.40E-08	-2.06E-08	1.69E-08	9.37E-09	-7.55E-09	8.60E-09	4.76E-09	-3.84E-09	1.69E-08	9.37E-09	-7.55E-09
5216	476863.1	3865377.3	4.32E-08	2.35E-08	-1.97E-08	1.64E-08	9.17E-09	-7.23E-09	8.34E-09	4.66E-09	-3.68E-09	1.64E-08	9.17E-09	-7.23E-09
5217	477363.1	3865377.3	4.59E-08	2.47E-08	-2.12E-08	1.74E-08	9.65E-09	-7.77E-09	8.86E-09	4.91E-09	-3.95E-09	1.74E-08	9.65E-09	-7.77E-09
5218	477863.1	3865377.3	4.68E-08	2.52E-08	-2.16E-08	1.78E-08	9.85E-09	-7.92E-09	9.04E-09	5.01E-09	-4.03E-09	1.78E-08	9.85E-09	-7.92E-09
5219	478363.1	3865377.3	4.73E-08	2.55E-08	-2.18E-08	1.79E-08	9.94E-09	-8.00E-09	9.12E-09	5.06E-09	-4.07E-09	1.79E-08	9.94E-09	-8.00E-09
5220	478863.1	3865377.3	4.82E-08	2.60E-08	-2.22E-08	1.83E-08	1.01E-08	-8.15E-09	9.30E-09	5.15E-09	-4.14E-09	1.83E-08	1.01E-08	-8.15E-09
5221	479363.1	3865377.3	4.86E-08	2.64E-08	-2.23E-08	1.85E-08	1.03E-08	-8.17E-09	9.38E-09	5.23E-09	-4.16E-09	1.85E-08	1.03E-08	-8.17E-09
5222	479863.1	3865377.3	4.95E-08	2.67E-08	-2.28E-08	1.88E-08	1.04E-08	-8.37E-09	9.56E-09	5.30E-09	-4.26E-09	1.88E-08	1.04E-08	-8.37E-09
5223	480363.1	3865377.3	5.04E-08	2.72E-08	-2.32E-08	1.91E-08	1.06E-08	-8.52E-09	9.73E-09	5.40E-09	-4.33E-09	1.91E-08	1.06E-08	-8.52E-09
5224	480863.1	3865377.3	5.13E-08	2.77E-08	-2.36E-08	1.95E-08	1.08E-08	-8.67E-09	9.90E-09	5.50E-09	-4.41E-09	1.95E-08	1.08E-08	-8.67E-09
5225	481363.1	3865377.3	5.27E-08	2.83E-08	-2.44E-08	2.00E-08	1.10E-08	-8.94E-09	1.02E-08	5.62E-09	-4.55E-09	2.00E-08	1.10E-08	-8.94E-09
5226	481863.1	3865377.3	5.36E-08	2.88E-08	-2.48E-08	2.03E-08	1.12E-08	-9.09E-09	1.03E-08	5.72E-09	-4.62E-09	2.03E-08	1.12E-08	-9.09E-09
5227	482363.1	3865377.3	5.40E-08	2.92E-08	-2.49E-08	2.05E-08	1.14E-08	-9.12E-09	1.04E-08	5.79E-09	-4.64E-09	2.05E-08	1.14E-08	-9.12E-09
5228	482863.1	3865377.3	5.49E-08	2.97E-08	-2.53E-08	2.08E-08	1.16E-08	-9.27E-09	1.06E-08	5.89E-09	-4.71E-09	2.08E-08	1.16E-08	-9.27E-09
5229	483363.1	3865377.3	5.58E-08	3.02E-08	-2.57E-08	2.12E-08	1.18E-08	-9.42E-09	1.08E-08	5.98E-09	-4.79E-09	2.12E-08	1.18E-08	-9.42E-09
5230	483863.1	3865377.3	5.67E-08	3.07E-08	-2.61E-08	2.15E-08	1.20E-08	-9.57E-09	1.09E-08	6.08E-09	-4.87E-09	2.15E-08	1.20E-08	-9.57E-09
5231	484363.1	3865377.3	5.72E-08	3.10E-08	-2.62E-08	2.17E-08	1.21E-08	-9.59E-09	1.10E-08	6.15E-09	-4.88E-09	2.17E-08	1.21E-08	-9.59E-09
5232	484863.1	3865377.3	5.85E-08	3.18E-08	-2.68E-08	2.22E-08	1.24E-08	-9.82E-09	1.13E-08	6.30E-09	-4.99E-09	2.22E-08	1.24E-08	-9.82E-09
5233	485363.1	3865377.3	5.94E-08	3.23E-08	-2.72E-08	2.26E-08	1.26E-08	-9.97E-09	1.15E-08	6.40E-09	-5.07E-09	2.26E-08	1.26E-08	-9.97E-09
5234	485863.1	3865377.3	6.08E-08	3.30E-08	-2.78E-08	2.31E-08	1.29E-08	-1.02E-08	1.17E-08	6.55E-09	-5.18E-09	2.31E-08	1.29E-08	-1.02E-08
5235	486363.1	3865377.3	6.12E-08	3.34E-08	-2.79E-08	2.32E-08	1.30E-08	-1.02E-08	1.18E-08	6.62E-09	-5.20E-09	2.32E-08	1.30E-08	-1.02E-08
5236	486863.1	3865377.3	6.21E-08	3.37E-08	-2.84E-08	2.36E-08	1.32E-08	-1.04E-08	1.20E-08	6.69E-09	-5.30E-09	2.36E-08	1.32E-08	-1.04E-08
5237	487363.1	3865377.3	6.30E-08	3.42E-08	-2.88E-08	2.39E-08	1.34E-08	-1.06E-08	1.22E-08	6.79E-09	-5.37E-09	2.39E-08	1.34E-08	-1.06E-08
5238	487863.1	3865377.3	6.39E-08	3.48E-08	-2.91E-08	2.43E-08	1.36E-08	-1.07E-08	1.23E-08	6.91E-09	-5.43E-09	2.43E-08	1.36E-08	-1.07E-08
5239	488363.1	3865377.3	6.53E-08	3.55E-08	-2.98E-08	2.48E-08	1.38E-08	-1.09E-08	1.26E-08	7.03E-09	-5.56E-09	2.48E-08	1.38E-08	-1.09E-08
5240	488863.1	3865377.3	6.76E-08	3.64E-08	-3.11E-08	2.56E-08	1.42E-08	-1.14E-08	1.30E-08	7.23E-09	-5.80E-09	2.56E-08	1.42E-08	-1.14E-08
5241	489363.1	3865377.3	6.94E-08	3.74E-08	-3.19E-08	2.63E-08	1.46E-08	-1.17E-08	1.34E-08	7.42E-09	-5.96E-09	2.63E-08	1.46E-08	-1.17E-08
5242	489863.1	3865377.3	7.07E-08	3.80E-08	-3.27E-08	2.68E-08	1.48E-08	-1.20E-08	1.36E-08	7.55E-09	-6.09E-09	2.68E-08	1.48E-08	-1.20E-08
5243	490363.1	3865377.3	6.35E-08	3.42E-08	-2.93E-08	2.41E-08	1.34E-08	-1.07E-08	1.23E-08	6.79E-09	-5.46E-09	2.41E-08	1.34E-08	-1.07E-08
5244	490863.1	3865377.3	6.17E-08	3.30E-08	-2.87E-08	2.34E-08	1.29E-08	-1.05E-08	1.19E-08	6.55E-09	-5.36E-09	2.34E-08	1.29E-08	-1.05E-08
5245	491363.1	3865377.3	6.03E-08	3.24E-08	-2.80E-08	2.29E-08	1.26E-08	-1.03E-08	1.16E-08	6.42E-09	-5.22E-09	2.29E-08	1.26E-08	-1.03E-08
5246	491863.1	3865377.3	6.03E-08	3.28E-08	-2.76E-08	2.29E-08	1.28E-08	-1.01E-08	1.16E-08	6.50E-09	-5.15E-09	2.29E-08	1.28E-08	-1.01E-08
5247	492363.1	3865377.3	5.09E-08	2.82E-08	-2.27E-08	1.93E-08	1.10E-08	-8.31E-09	9.82E-09	5.59E-09	-4.22E-09	1.93E-08	1.10E-08	-8.31E-09
5248	492863.1	3865377.3	4.28E-08	2.43E-08	-1.85E-08	1.62E-08	9.46E-09	-6.77E-09	8.25E-09	4.81E-09	-3.44E-09	1.62E-08	9.46E-09	-6.77E-09
5249	493363.1	3865377.3	3.92E-08	2.22E-08	-1.70E-08	1.49E-08	8.64E-09	-6.22E-09	7.56E-09	4.40E-09	-3.16E-09	1.49E-08	8.64E-09	-6.22E-09
5250	493863.1	3865377.3	4.41E-08	2.47E-08	-1.94E-08	1.67E-08	9.65E-09	-7.09E-09	8.51E-09	4.91E-09	-3.61E-09	1.67E-08	9.65E-09	-7.09E-09
5251	494363.1	3865377.3	5.09E-08	2.80E-08	-2.29E-08	1.93E-08	1.09E-08	-8.40E-09	9.82E-09	5.54E-09	-4.27E-09	1.93E-08	1.09E-08	-8.40E-09
5252	494863.1	3865377.3	5.63E-08	3.03E-08	-2.60E-08	2.14E-08	1.18E-08	-9.54E-09	1.09E-08	6.01E-09	-4.85E-09	2.14E-08	1.18E-08	-9.54E-09
5253	495363.1	3865377.3	5.90E-08	3.15E-08	-2.75E-08	2.24E-08	1.23E-08	-1.01E-08	1.14E-08	6.25E-09	-5.13E-09	2.24E-08	1.23E-08	-1.01E-08
5254	495863.1	3865377.3	6.26E-08	3.41E-08	-2.85E-08	2.37E-08	1.33E-08	-1.04E-08	1.21E-08	6.77E-09	-5.31E-09	2.37E-08	1.33E-08	-1.04E-08
5255	496363.1	3865377.3	5.81E-08	3.21E-08	-2.60E-08	2.20E-08	1.25E-08	-9.50E-09	1.12E-08	6.37E-09	-4.83E-09	2.20E-08	1.25E-08	-9.50E-09
5256	496863.1	3865377.3	5.63E-08	3.13E-08	-2.50E-08	2.14E-08	1.22E-08	-9.16E-09	1.09E-08	6.20E-09	-4.66E-09	2.14E-08	1.22E-08	-9.16E-09
5257	497363.1	3865377.3	6.21E-08	3.39E-08	-2.83E-08	2.36E-08	1.32E-08	-1.04E-08	1.20E-08	6.72E-09	-5.27E-09	2.36E-08	1.32E-08	-1.04E-08
5258	497863.1	3865377.3	6.39E-08	3.45E-08	-2.95E-08	2.43E-08	1.34E-08	-1.08E-08	1.23E-08	6.84E-09	-5.50E-09	2.43E-08	1.34E-08	-1.08E-08
5259	498363.1	3865377.3	6.26E-08	3.37E-08	-2.89E-08	2.37E-08	1.32E-08	-1.06E-08	1.21E-08	6.69E-09	-5.38E-09	2.37E-08	1.32E-08	-1.06E-08
5260	471363.1	3865877.3	3.69E-08	1.99E-08	-1.70E-08	1.40E-08	7.78E-09	-6.23E-09	7.12E-09	3.96E-09	-3.17E-09	1.40E-08	7.78E-09	-6.23E-09
5261	471863.1	3865877.3	3.78E-08	2.04E-08	-1.74E-08	1.44E-08	7.97E-09	-6.38E-09	7.30E-09	4.05E-09	-3.24E-09	1.44E-08	7.97E-09	-6.38E-09
5262	472363.1	3865877.3	3.83E-08	2.07E-08	-1.76E-08	1.45E-08	8.07E-09	-6.45E-09	7.38E-09	4.10E-09	-3.28E-09	1.45E-08	8.07E-09	-6.45E-09

5263	472863.1	3865877.3	3.87E-08	2.09E-08	-1.78E-08	1.47E-08	8.16E-09	-6.53E-09	7.47E-09	4.15E-09	-3.32E-09	1.47E-08	8.16E-09	-6.53E-09
5264	473363.1	3865877.3	3.92E-08	2.12E-08	-1.80E-08	1.49E-08	8.26E-09	-6.60E-09	7.56E-09	4.20E-09	-3.36E-09	1.49E-08	8.26E-09	-6.60E-09
5265	473863.1	3865877.3	4.01E-08	2.15E-08	-1.85E-08	1.52E-08	8.40E-09	-6.80E-09	7.73E-09	4.27E-09	-3.46E-09	1.52E-08	8.40E-09	-6.80E-09
5266	474363.1	3865877.3	4.05E-08	2.19E-08	-1.86E-08	1.54E-08	8.55E-09	-6.83E-09	7.82E-09	4.35E-09	-3.47E-09	1.54E-08	8.55E-09	-6.83E-09
5267	474863.1	3865877.3	4.14E-08	2.23E-08	-1.91E-08	1.57E-08	8.69E-09	-7.03E-09	7.99E-09	4.42E-09	-3.57E-09	1.57E-08	8.69E-09	-7.03E-09
5268	475363.1	3865877.3	4.19E-08	2.25E-08	-1.93E-08	1.59E-08	8.79E-09	-7.10E-09	8.08E-09	4.47E-09	-3.61E-09	1.59E-08	8.79E-09	-7.10E-09
5269	475863.1	3865877.3	4.28E-08	2.30E-08	-1.98E-08	1.62E-08	8.98E-09	-7.25E-09	8.25E-09	4.57E-09	-3.69E-09	1.62E-08	8.98E-09	-7.25E-09
5270	476363.1	3865877.3	4.28E-08	2.31E-08	-1.96E-08	1.62E-08	9.03E-09	-7.20E-09	8.25E-09	4.59E-09	-3.66E-09	1.62E-08	9.03E-09	-7.20E-09
5271	476863.1	3865877.3	4.19E-08	2.28E-08	-1.91E-08	1.59E-08	8.88E-09	-7.00E-09	8.08E-09	4.52E-09	-3.56E-09	1.59E-08	8.88E-09	-7.00E-09
5272	477363.1	3865877.3	4.46E-08	2.40E-08	-2.06E-08	1.69E-08	9.37E-09	-7.55E-09	8.60E-09	4.76E-09	-3.84E-09	1.69E-08	9.37E-09	-7.55E-09
5273	477863.1	3865877.3	4.50E-08	2.44E-08	-2.07E-08	1.71E-08	9.51E-09	-7.58E-09	8.69E-09	4.84E-09	-3.85E-09	1.71E-08	9.51E-09	-7.58E-09
5274	478363.1	3865877.3	4.55E-08	2.46E-08	-2.09E-08	1.73E-08	9.61E-09	-7.65E-09	8.78E-09	4.88E-09	-3.89E-09	1.73E-08	9.61E-09	-7.65E-09
5275	478863.1	3865877.3	4.59E-08	2.49E-08	-2.11E-08	1.74E-08	9.70E-09	-7.73E-09	8.86E-09	4.93E-09	-3.93E-09	1.74E-08	9.70E-09	-7.73E-09
5276	479363.1	3865877.3	4.64E-08	2.51E-08	-2.13E-08	1.76E-08	9.80E-09	-7.80E-09	8.95E-09	4.98E-09	-3.97E-09	1.76E-08	9.80E-09	-7.80E-09
5277	479863.1	3865877.3	4.68E-08	2.54E-08	-2.15E-08	1.78E-08	9.89E-09	-7.87E-09	9.04E-09	5.03E-09	-4.00E-09	1.78E-08	9.89E-09	-7.87E-09
5278	480363.1	3865877.3	4.77E-08	2.57E-08	-2.20E-08	1.81E-08	1.00E-08	-8.07E-09	9.21E-09	5.10E-09	-4.11E-09	1.81E-08	1.00E-08	-8.07E-09
5279	480863.1	3865877.3	4.82E-08	2.61E-08	-2.21E-08	1.83E-08	1.02E-08	-8.10E-09	9.30E-09	5.18E-09	-4.12E-09	1.83E-08	1.02E-08	-8.10E-09
5280	481363.1	3865877.3	4.95E-08	2.67E-08	-2.28E-08	1.88E-08	1.04E-08	-8.37E-09	9.56E-09	5.30E-09	-4.26E-09	1.88E-08	1.04E-08	-8.37E-09
5281	481863.1	3865877.3	5.00E-08	2.70E-08	-2.30E-08	1.90E-08	1.05E-08	-8.45E-09	9.64E-09	5.35E-09	-4.30E-09	1.90E-08	1.05E-08	-8.45E-09
5282	482363.1	3865877.3	5.04E-08	2.73E-08	-2.31E-08	1.91E-08	1.07E-08	-8.47E-09	9.73E-09	5.42E-09	-4.31E-09	1.91E-08	1.07E-08	-8.47E-09
5283	482863.1	3865877.3	5.13E-08	2.77E-08	-2.36E-08	1.95E-08	1.08E-08	-8.67E-09	9.90E-09	5.50E-09	-4.41E-09	1.95E-08	1.08E-08	-8.67E-09
5284	483363.1	3865877.3	5.22E-08	2.82E-08	-2.40E-08	1.98E-08	1.10E-08	-8.82E-09	1.01E-08	5.59E-09	-4.49E-09	1.98E-08	1.10E-08	-8.82E-09
5285	483863.1	3865877.3	5.27E-08	2.86E-08	-2.41E-08	2.00E-08	1.11E-08	-8.85E-09	1.02E-08	5.67E-09	-4.50E-09	2.00E-08	1.11E-08	-8.85E-09
5286	484363.1	3865877.3	5.36E-08	2.91E-08	-2.45E-08	2.03E-08	1.13E-08	-9.00E-09	1.03E-08	5.76E-09	-4.58E-09	2.03E-08	1.13E-08	-9.00E-09
5287	484863.1	3865877.3	5.45E-08	2.96E-08	-2.49E-08	2.07E-08	1.15E-08	-9.15E-09	1.05E-08	5.86E-09	-4.65E-09	2.07E-08	1.15E-08	-9.15E-09
5288	485363.1	3865877.3	5.49E-08	2.99E-08	-2.50E-08	2.08E-08	1.17E-08	-9.17E-09	1.06E-08	5.93E-09	-4.66E-09	2.08E-08	1.17E-08	-9.17E-09
5289	485863.1	3865877.3	5.58E-08	3.03E-08	-2.56E-08	2.12E-08	1.18E-08	-9.37E-09	1.08E-08	6.01E-09	-4.77E-09	2.12E-08	1.18E-08	-9.37E-09
5290	486363.1	3865877.3	5.63E-08	3.05E-08	-2.58E-08	2.14E-08	1.19E-08	-9.45E-09	1.09E-08	6.06E-09	-4.80E-09	2.14E-08	1.19E-08	-9.45E-09
5291	486863.1	3865877.3	5.67E-08	3.09E-08	-2.58E-08	2.15E-08	1.21E-08	-9.47E-09	1.09E-08	6.13E-09	-4.82E-09	2.15E-08	1.21E-08	-9.47E-09
5292	487363.1	3865877.3	5.76E-08	3.14E-08	-2.62E-08	2.19E-08	1.22E-08	-9.62E-09	1.11E-08	6.23E-09	-4.89E-09	2.19E-08	1.22E-08	-9.62E-09
5293	487863.1	3865877.3	5.90E-08	3.21E-08	-2.69E-08	2.24E-08	1.25E-08	-9.85E-09	1.14E-08	6.37E-09	-5.01E-09	2.24E-08	1.25E-08	-9.85E-09
5294	488363.1	3865877.3	6.03E-08	3.29E-08	-2.75E-08	2.29E-08	1.28E-08	-1.01E-08	1.16E-08	6.52E-09	-5.12E-09	2.29E-08	1.28E-08	-1.01E-08
5295	488863.1	3865877.3	6.21E-08	3.36E-08	-2.85E-08	2.36E-08	1.31E-08	-1.05E-08	1.20E-08	6.67E-09	-5.32E-09	2.36E-08	1.31E-08	-1.05E-08
5296	489363.1	3865877.3	6.35E-08	3.42E-08	-2.93E-08	2.41E-08	1.34E-08	-1.07E-08	1.23E-08	6.79E-09	-5.46E-09	2.41E-08	1.34E-08	-1.07E-08
5297	489863.1	3865877.3	6.39E-08	3.45E-08	-2.95E-08	2.43E-08	1.34E-08	-1.08E-08	1.23E-08	6.84E-09	-5.50E-09	2.43E-08	1.34E-08	-1.08E-08
5298	490363.1	3865877.3	6.17E-08	3.32E-08	-2.85E-08	2.34E-08	1.30E-08	-1.04E-08	1.19E-08	6.59E-09	-5.31E-09	2.34E-08	1.30E-08	-1.04E-08
5299	490863.1	3865877.3	5.76E-08	3.09E-08	-2.67E-08	2.19E-08	1.21E-08	-9.81E-09	1.11E-08	6.13E-09	-4.99E-09	2.19E-08	1.21E-08	-9.81E-09
5300	491363.1	3865877.3	5.36E-08	2.88E-08	-2.48E-08	2.03E-08	1.12E-08	-9.09E-09	1.03E-08	5.72E-09	-4.62E-09	2.03E-08	1.12E-08	-9.09E-09
5301	491863.1	3865877.3	5.36E-08	2.89E-08	-2.47E-08	2.03E-08	1.13E-08	-9.04E-09	1.03E-08	5.74E-09	-4.60E-09	2.03E-08	1.13E-08	-9.04E-09
5302	492363.1	3865877.3	5.04E-08	2.77E-08	-2.27E-08	1.91E-08	1.08E-08	-8.33E-09	9.73E-09	5.50E-09	-4.24E-09	1.91E-08	1.08E-08	-8.33E-09
5303	492863.1	3865877.3	4.14E-08	2.33E-08	-1.82E-08	1.57E-08	9.08E-09	-6.64E-09	7.99E-09	4.62E-09	-3.38E-09	1.57E-08	9.08E-09	-6.64E-09
5304	493363.1	3865877.3	3.96E-08	2.24E-08	-1.72E-08	1.50E-08	8.74E-09	-6.29E-09	7.65E-09	4.45E-09	-3.20E-09	1.50E-08	8.74E-09	-6.29E-09
5305	493863.1	3865877.3	4.14E-08	2.34E-08	-1.80E-08	1.57E-08	9.12E-09	-6.59E-09	7.99E-09	4.64E-09	-3.35E-09	1.57E-08	9.12E-09	-6.59E-09
5306	494363.1	3865877.3	4.46E-08	2.50E-08	-1.96E-08	1.69E-08	9.75E-09	-7.16E-09	8.60E-09	4.96E-09	-3.64E-09	1.69E-08	9.75E-09	-7.16E-09
5307	494863.1	3865877.3	5.09E-08	2.80E-08	-2.29E-08	1.93E-08	1.09E-08	-8.40E-09	9.82E-09	5.54E-09	-4.27E-09	1.93E-08	1.09E-08	-8.40E-09
5308	495363.1	3865877.3	5.27E-08	2.83E-08	-2.44E-08	2.00E-08	1.10E-08	-8.94E-09	1.02E-08	5.62E-09	-4.55E-09	2.00E-08	1.10E-08	-8.94E-09
5309	495863.1	3865877.3	5.27E-08	2.82E-08	-2.45E-08	2.00E-08	1.10E-08	-8.99E-09	1.02E-08	5.59E-09	-4.57E-09	2.00E-08	1.10E-08	-8.99E-09
5310	496363.1	3865877.3	5.04E-08	2.75E-08	-2.30E-08	1.91E-08	1.07E-08	-8.42E-09	9.73E-09	5.45E-09	-4.28E-09	1.91E-08	1.07E-08	-8.42E-09
5311	496863.1	3865877.3	4.77E-08	2.66E-08	-2.11E-08	1.81E-08	1.04E-08	-7.74E-09	9.21E-09	5.28E-09	-3.93E-09	1.81E-08	1.04E-08	-7.74E-09
5312	497363.1	3865877.3	4.91E-08	2.73E-08	-2.18E-08	1.86E-08	1.07E-08	-7.96E-09	9.47E-09	5.42E-09	-4.05E-09	1.86E-08	1.07E-08	-7.96E-09
5313	497863.1	3865877.3	5.13E-08	2.83E-08	-2.30E-08	1.95E-08	1.10E-08	-8.43E-09	9.90E-09	5.62E-09	-4.29E-09	1.95E-08	1.10E-08	-8.43E-09
5314	498363.1	3865877.3	4.82E-08	2.61E-08	-2.21E-08	1.83E-08	1.02E-08	-8.10E-09	9.30E-09	5.18E-09	-4.12E-09	1.83E-08	1.02E-08	-8.10E-09
5315	471363.1	3866377.3	3.60E-08	1.96E-08	-1.64E-08	1.37E-08	7.64E-09	-6.03E-09	6.95E-09	3.88E-09	-3.07E-09	1.37E-08	7.64E-09	-6.03E-09
5316	471863.1	3866377.3	3.65E-08	1.98E-08	-1.67E-08	1.38E-08	7.73E-09	-6.11E-09	7.04E-09	3.93E-09	-3.11E-09	1.38E-08	7.73E-09	-6.11E-09
5317	472363.1	3866377.3	3.74E-08	2.02E-08	-1.72E-08	1.42E-08	7.88E-09	-6.30E-09	7.21E-09	4.01E-09	-3.21E-09	1.42E-08	7.88E-09	-6.30E-09
5318	472863.1	3866377.3	3.78E-08	2.04E-08	-1.74E-08	1.44E-08	7.97E-09	-6.38E-09	7.30E-09	4.05E-09	-3.24E-09	1.44E-08	7.97E-09	-6.38E-09
5319	473363.1	3866377.3	3.83E-08	2.07E-08	-1.76E-08	1.45E-08	8.07E-09	-6.45E-09	7.38E-09	4.10E-09	-3.28E-09	1.45E-08	8.07E-09	-6.45E-09
5320	473863.1	3866377.3	3.92E-08	2.11E-08	-1.81E-08	1.49E-08	8.21E-09	-6.65E-09	7.56E-09	4.18E-09	-3.38E-09	1.49E-08	8.21E-09	-6.65E-09
5321	474363.1	3866377.3	3.96E-08	2.14E-08	-1.82E-08	1.50E-08	8.36E-09	-6.68E-09	7.65E-09	4.25E-09	-3.40E-09	1.50E-08	8.36E-09	-6.68E-09
5322	474863.1	3866377.3	4.01E-08	2.17E-08	-1.84E-08	1.52E-08	8.45E-09	-6.75E-09	7.73E-09	4.30E-09	-3.43E-09	1.52E-08	8.45E-09	-6.75E-09
5323	475363.1	3866377.3	4.05E-08	2.19E-08	-1.86E-08	1.54E-08	8.55E-09	-6.83E-09	7.82E-09	4.35E-09	-3.47E-09	1.54E-08	8.55E-09	-6.83E-09
5324	475863.1	3866377.3	4.10E-08	2.22E-08	-1.88E-08	1.55E-08	8.64E-09	-6.90E-09	7.91E-09	4.40E-09	-3.51E-09	1.55E-08	8.64E-09	-6.90E-09
5325	476363.1	3866377.3	4.14E-08	2.24E-08	-1.90E-08	1.57E-08	8.74E-09	-6.98E-09	7.99E-09	4.45E-09	-3.55E-09	1.57E-08	8.74E-09	-6.98E-09
5326	476863.1	3866377.3	3.92E-08	2.14E-08	-1.78E-08	1.49E-08	8.36E-09	-6.51E-09	7.56E-09	4.25E-09	-3.31E-09	1.49E-08	8.36E-09	-6.51E-09
5327	477363.1	3866377.3	4.14E-08	2.25E-08	-1.89E-08	1.57E-08	8.79E-09	-6.93E-09	7.99E-09	4.47E-09	-3.52E-09	1.57E-08	8.79E-09	-6.93E-09
5328	477863.1	3866377.3	4.32E-08	2.33E-08	-2.00E-08	1.64E-08	9.08E-09	-7.32E-09	8.34E-09	4.62E-09	-3.72E-09	1.64E-08	9.08E-09	-7.32E-09
5329	478363.1	3866377.3	4.32E-08	2.34E-08	-1.98E-08	1.64E-08	9.12E-09	-7.28E-09	8.34E-09	4.64E-09	-3.70E-09	1.64E-08	9.12E-09	-7.28E-09
5330	478863.1	3866377.3	4.37E-08	2.36E-08	-2.00E-08	1.66E-08	9.22E-09	-7.35E-09	8.43E-09	4.69E-09	-3.74E-09	1.66E-08	9.22E-09	-7.35E-09
5331	479363.1	3866377.3	4.41E-08	2.39E-08	-2.02E-08	1.67E-08	9.32E-09	-7.43E-09	8.51E-09	4.74E-09	-3.78E-09	1.67E-08	9.32E-09	-7.43E-09
5332	479863.1	3866377.3	4.46E-08	2.41E-08	-2.04E-08	1.69E-08	9.41E-09	-7.50E-09	8.60E-09	4.79E-09	-3.81E-09	1.69E-08	9.41E-09	-7.50E-09
5333	480363.1	3866377.3	4.50E-08	2.44E-08	-2.07E-08	1.71E-08	9.51E-09	-7.58E-09	8.69E-09	4.84E-09	-3.85E-09	1.71E-08	9.51E-09	-7.58E-09
5334	480863.1	3866377.3	4.59E-08	2.47E-08	-2.12E-08	1.74E-08	9.65E-09	-7.77E-09	8.86E-09	4.91E-09	-3.95E-09	1.74E-08	9.65E-09	-7.77E-09
5335	481363.1	3866377.3	4.68E-08	2.52E-08	-2.16E-08	1.78E-08	9.85E-09	-7.92E-09	9.04E-09	5.01E-09	-4.03E-09	1.78E-08	9.85E-09	-7.92E-09
5336	481863.1	3866377.3	4.73E-08	2.55E-08	-2.18E-08	1.79E-08	9.94E-09	-8.00E-09	9.12E-09	5.06E-09	-4.07E-09	1.79E-08	9.94E-09	-8.00E-09
5337	482363.1	3866377.3	4.77E-08	2.57E-08	-2.20E-08	1.81E-08	1.00E-08	-8.07E-09	9.21E-09	5.10E-09	-4.11E-09	1.81E-08	1.00E-08	-8.07E-09
5338	482863.1	3866377.3	4.82E-08	2.61E-08	-2.21E-08	1.83E-08	1.02E-08	-8.10E-09	9.30E-09	5.18E-09	-4.12E-09	1.83E-08	1.02E-08	-8.10E-09
5339	483363.1	3866377.3	4.86E-08	2.64E-08	-2.23E-08	1.85E-08	1.03E-08	-8.17E-09	9.38E-09	5.23E-09	-4.16E-09	1.85E-08	1.03E-08	-8.17E-09
5340	483863.1	3866377.3	4.95E-08	2.68E-08	-2.27E-08	1.88E-08	1.05E-08	-8.32E-09	9.56E-09	5.32E-09	-4.23E-09	1.88E-08	1.05E-08	-8.32E-09
5341	484363.1	3866377.3	4.95E-08	2.70E-08	-2.26E-08	1.88E-08	1.05E-08	-8.28E-09	9.56E-09	5.35E-09	-4.21E-09	1.88E-08	1.05E-08	-8.28E-09
5342	484863.1	3866377.3	5.04E-08	2.73E-08	-2.31E-08	1.91E-08	1.07E-08	-8.47E-09	9.73E-09	5.42E-09	-4.31E-09	1.91E-08	1.07E-08	-8.47E-09
5343	485363.1	3866377.3	5.09E-08	2.77E-08	-2.32E-08	1.93E-08	1.08E-08	-8.50E-09	9.82E-09	5.50E-09	-4.32E-09	1.93E-08	1.08E-08	-8.50E-09
5344	485863.1	3866377.3	5.18E-08	2.82E-08	-2.36E-08	1.96E-08	1.10E-08	-8.65E-09	9.99E-09	5.59E-09	-4.40E-09	1.96E-08	1.10E-08	-8.65E-09
5345	486363.1	3866377.3	5.27E-08	2.87E-08	-2.40E-08	2.00E-08	1.12E-08	-8.80E-09	1.02E-08	5.69E-09	-4.47E-09	2.00E-08	1.12E-08	-8.80E-09
5346	486863.1	3866377.3	5.36E-08	2.92E-08	-2.44E-08	2.03E-08	1.14E-08	-8.95E-09	1.03E-08	5.79E-09	-4.55E-09	2.03E-08	1.14E-08	-8.95E-09
5347	487363.1	3866377.3	5.45E-08	2.97E-08	-2.48E-08	2.07E-08	1.16E-08	-9.10E-09	1.05E-08	5.89E-09	-4.63E-09	2.07E-08	1.16E-08	-9.10E-09
5348	487863.1	3866377.3	5.45E-08	2.97E-08	-2.48E-08	2.07E-08	1.16E-08	-9.10E-09	1.05E-08	5.89E-09	-4.63E-09	2.07E-08	1.16E-08	-9.10E-09
5349	488363.1	3866377.3	5.54E-08	3.02E-08	-2.52E-08	2.10E-08	1.18E-08	-9.25E-09	1.07E-08	5.98E-09	-4.70E-09	2.10E-08	1.18E-08	-9.25E-09
5350	488863.1	3866377.3	5.36E-08	2.92E-08	-2.44E-08	2.03E-08	1.14E-08	-8.95E-09	1.03E-08	5.79E-09	-4.55E-09	2.03E-08	1.14E-08	-8.95E-09
5351	489363.1	3866377.3	5.22E-08	2.84E-08	-2.38E-08	1.98E-08	1.11E-08	-8.72E-09	1.01E-08	5.64E-09	-4.44E-09	1.98E-08	1.11E-08	-8.72E-09
5352	489863.1	3866377.3	5.00E-08	2.71E-08	-2.29E-08	1.90E-08	1.06E-08	-8.40E-09	9.64E-09	5.37E-09	-4.27E-09	1.90E-08	1.06E-08	-8.40E-09
5353	490363.1	3866377.3	5.63E-08	3.03E-08	-2.60E-08	2.14E-08	1.18E-08	-9.54E-09	1.09E-08	6.01E-09	-4.85E-09	2.14E-08	1.18E-08	-9.54E-09
5354	490863.1	3866377.3	5.76E-08	3.10E-08	-2.66E-08	2.19E-08	1.21E-08	-9.77E-09	1.11E-08	6.15E-09	-4.97E-09	2.19E-08	1.21E-08	-9.77E-09
5355	491363.1	3866377.3	5.54E-08	2.97E-08	-2.57E-08	2.10E-08	1.16E-08	-9.44E-09	1.07E-08	5.89E-09	-4.80E-09	2.10E-08	1.16E-08	-9.44E-09
5356	491863.1	3866377.3	4.59E-08	2.49E-08	-2.11E-08	1.74E-08	9.70E-09	-7.73E-09	8.86E-09	4.93E-09	-3.93E-09	1.74E-08	9.70E-09	-7.73E-09

5357	492363.1	3866377.3	4.64E-08	2.52E-08	-2.11E-08	1.76E-08	9.85E-09	-7.75E-09	8.95E-09	5.01E-09	-3.94E-09	1.76E-08	9.85E-09	-7.75E-09
5358	492863.1	3866377.3	4.23E-08	2.34E-08	-1.89E-08	1.61E-08	9.12E-09	-6.93E-09	8.17E-09	4.64E-09	-3.53E-09	1.61E-08	9.12E-09	-6.93E-09
5359	493363.1	3866377.3	4.19E-08	2.33E-08	-1.86E-08	1.59E-08	9.08E-09	-6.81E-09	8.08E-09	4.62E-09	-3.46E-09	1.59E-08	9.08E-09	-6.81E-09
5360	493863.1	3866377.3	4.23E-08	2.36E-08	-1.87E-08	1.61E-08	9.22E-09	-6.84E-09	8.17E-09	4.69E-09	-3.48E-09	1.61E-08	9.22E-09	-6.84E-09
5361	494363.1	3866377.3	4.46E-08	2.50E-08	-1.96E-08	1.69E-08	9.75E-09	-7.16E-09	8.60E-09	4.96E-09	-3.64E-09	1.69E-08	9.75E-09	-7.16E-09
5362	494863.1	3866377.3	4.41E-08	2.46E-08	-1.95E-08	1.67E-08	9.61E-09	-7.14E-09	8.51E-09	4.88E-09	-3.63E-09	1.67E-08	9.61E-09	-7.14E-09
5363	495363.1	3866377.3	4.32E-08	2.36E-08	-1.96E-08	1.64E-08	9.22E-09	-7.18E-09	8.34E-09	4.69E-09	-3.65E-09	1.64E-08	9.22E-09	-7.18E-09
5364	495863.1	3866377.3	4.32E-08	2.31E-08	-2.01E-08	1.64E-08	9.03E-09	-7.37E-09	8.34E-09	4.59E-09	-3.75E-09	1.64E-08	9.03E-09	-7.37E-09
5365	496363.1	3866377.3	4.37E-08	2.31E-08	-2.05E-08	1.66E-08	9.03E-09	-7.54E-09	8.43E-09	4.59E-09	-3.84E-09	1.66E-08	9.03E-09	-7.54E-09
5366	496863.1	3866377.3	4.23E-08	2.29E-08	-1.94E-08	1.61E-08	8.93E-09	-7.13E-09	8.17E-09	4.54E-09	-3.62E-09	1.61E-08	8.93E-09	-7.13E-09
5367	497363.1	3866377.3	4.19E-08	2.34E-08	-1.85E-08	1.59E-08	9.12E-09	-6.76E-09	8.08E-09	4.64E-09	-3.44E-09	1.59E-08	9.12E-09	-6.76E-09
5368	497863.1	3866377.3	4.23E-08	2.38E-08	-1.86E-08	1.61E-08	9.27E-09	-6.79E-09	8.17E-09	4.71E-09	-3.45E-09	1.61E-08	9.27E-09	-6.79E-09
5369	498363.1	3866377.3	3.92E-08	2.17E-08	-1.75E-08	1.49E-08	8.45E-09	-6.41E-09	7.56E-09	4.30E-09	-3.26E-09	1.49E-08	8.45E-09	-6.41E-09
5370	474494.9	3848334.2	1.54E-05	8.47E-06	-6.95E-06	5.85E-06	3.30E-06	-2.55E-06	2.97E-06	1.68E-06	-1.30E-06	5.85E-06	3.30E-06	-2.55E-06
5371	475167.3	3848920.8	1.82E-05	1.00E-05	-8.23E-06	6.92E-06	3.90E-06	-3.02E-06	3.52E-06	1.98E-06	-1.53E-06	6.92E-06	3.90E-06	-3.02E-06
5372	475297.9	3848998	1.41E-05	7.78E-06	-6.36E-06	5.36E-06	3.03E-06	-2.33E-06	2.73E-06	1.54E-06	-1.18E-06	5.36E-06	3.03E-06	-2.33E-06
5373	475439.1	3849062	1.64E-05	9.04E-06	-7.39E-06	6.23E-06	3.53E-06	-2.71E-06	3.17E-06	1.79E-06	-1.38E-06	6.23E-06	3.53E-06	-2.71E-06
5374	475486.9	3849061.1	1.21E-05	6.67E-06	-5.46E-06	4.60E-06	2.60E-06	-2.00E-06	2.34E-06	1.32E-06	-1.02E-06	4.60E-06	2.60E-06	-2.00E-06
5375	475538.5	3849075.6	1.23E-05	6.77E-06	-5.54E-06	4.67E-06	2.64E-06	-2.03E-06	2.38E-06	1.34E-06	-1.03E-06	4.67E-06	2.64E-06	-2.03E-06
5376	475751.8	3849137.2	1.81E-05	9.97E-06	-8.10E-06	6.86E-06	3.89E-06	-2.97E-06	3.49E-06	1.98E-06	-1.51E-06	6.86E-06	3.89E-06	-2.97E-06
5377	476303.6	3849223.4	1.65E-05	9.04E-06	-7.44E-06	6.25E-06	3.53E-06	-2.73E-06	3.18E-06	1.79E-06	-1.39E-06	6.25E-06	3.53E-06	-2.73E-06
5378	476304.5	3849238.9	2.29E-05	1.25E-05	-1.03E-05	8.67E-06	4.89E-06	-3.78E-06	4.41E-06	2.49E-06	-1.92E-06	8.67E-06	4.89E-06	-3.78E-06
5379	476365	3849248	2.04E-05	1.12E-05	-9.18E-06	7.73E-06	4.37E-06	-3.36E-06	3.93E-06	2.22E-06	-1.71E-06	7.73E-06	4.37E-06	-3.36E-06
5380	476444.9	3849267.1	2.04E-05	1.13E-05	-9.17E-06	7.76E-06	4.40E-06	-3.36E-06	3.94E-06	2.24E-06	-1.71E-06	7.76E-06	4.40E-06	-3.36E-06
5381	476550.8	3849300.7	2.43E-05	1.35E-05	-1.08E-05	9.22E-06	5.26E-06	-3.96E-06	4.69E-06	2.68E-06	-2.01E-06	9.22E-06	5.26E-06	-3.96E-06
5382	476656.7	3849346.9	2.10E-05	1.16E-05	-9.41E-06	7.97E-06	4.53E-06	-3.45E-06	4.05E-06	2.30E-06	-1.75E-06	7.97E-06	4.53E-06	-3.45E-06
5383	476873.6	3849454.5	2.10E-05	1.16E-05	-9.46E-06	7.98E-06	4.51E-06	-3.46E-06	4.06E-06	2.29E-06	-1.76E-06	7.98E-06	4.51E-06	-3.46E-06
5384	477700	3849859.7	2.08E-05	1.13E-05	-9.46E-06	7.87E-06	4.40E-06	-3.47E-06	4.00E-06	2.24E-06	-1.76E-06	7.87E-06	4.40E-06	-3.47E-06
5385	477743.2	3849856.4	1.47E-05	8.01E-06	-6.71E-06	5.58E-06	3.13E-06	-2.46E-06	2.84E-06	1.59E-06	-1.25E-06	5.58E-06	3.13E-06	-2.46E-06
5386	478477.4	3850216.3	1.54E-05	8.30E-06	-7.10E-06	5.84E-06	3.24E-06	-2.60E-06	2.97E-06	1.65E-06	-1.32E-06	5.84E-06	3.24E-06	-2.60E-06
5387	478485.8	3850201.6	1.18E-05	6.40E-06	-5.44E-06	4.49E-06	2.50E-06	-2.00E-06	2.29E-06	1.27E-06	-1.01E-06	4.49E-06	2.50E-06	-2.00E-06
5388	479113.2	3850501.5	1.09E-05	5.88E-06	-5.04E-06	4.14E-06	2.29E-06	-1.85E-06	2.11E-06	1.17E-06	-9.40E-07	4.14E-06	2.29E-06	-1.85E-06
5389	479108.1	3850382.3	4.37E-06	2.38E-06	-1.99E-06	1.66E-06	9.29E-07	-7.31E-07	8.44E-07	4.72E-07	-3.72E-07	1.66E-06	9.29E-07	-7.31E-07
5390	479689.9	3850674.3	4.55E-06	2.47E-06	-2.08E-06	1.73E-06	9.63E-07	-7.64E-07	8.78E-07	4.90E-07	-3.89E-07	1.73E-06	9.63E-07	-7.64E-07
5391	479952.4	3850774.3	3.94E-06	2.14E-06	-1.80E-06	1.50E-06	8.35E-07	-6.60E-07	7.61E-07	4.25E-07	-3.36E-07	1.50E-06	8.35E-07	-6.60E-07
5392	479911.3	3850884.9	1.03E-05	5.51E-06	-4.76E-06	3.90E-06	2.15E-06	-1.75E-06	1.98E-06	1.09E-06	-8.88E-07	3.90E-06	2.15E-06	-1.75E-06
5393	480500.9	3851178.1	1.05E-05	5.75E-06	-4.79E-06	4.00E-06	2.24E-06	-1.75E-06	2.03E-06	1.14E-06	-8.92E-07	4.00E-06	2.24E-06	-1.75E-06
5394	480738	3851289.3	9.88E-06	5.43E-06	-4.45E-06	3.75E-06	2.12E-06	-1.63E-06	1.91E-06	1.08E-06	-8.29E-07	3.75E-06	2.12E-06	-1.63E-06
5395	481055.4	3851443.6	9.55E-06	5.29E-06	-4.26E-06	3.62E-06	2.06E-06	-1.56E-06	1.84E-06	1.05E-06	-7.93E-07	3.62E-06	2.06E-06	-1.56E-06
5396	481110.2	3851443.2	7.22E-06	4.00E-06	-3.23E-06	2.74E-06	1.56E-06	-1.18E-06	1.39E-06	7.93E-07	-6.01E-07	2.74E-06	1.56E-06	-1.18E-06
5397	481111.1	3851417.5	5.87E-06	3.24E-06	-2.63E-06	2.23E-06	1.26E-06	-9.63E-07	1.13E-06	6.43E-07	-4.89E-07	2.23E-06	1.26E-06	-9.63E-07
5398	482248.4	3852605.1	1.11E-05	6.07E-06	-5.02E-06	4.21E-06	2.37E-06	-1.84E-06	2.14E-06	1.20E-06	-9.36E-07	4.21E-06	2.37E-06	-1.84E-06
5399	482273.3	3852632.3	1.13E-05	6.20E-06	-5.13E-06	4.30E-06	2.42E-06	-1.88E-06	2.19E-06	1.23E-06	-9.57E-07	4.30E-06	2.42E-06	-1.88E-06
5400	482665.5	3853038.7	8.97E-06	4.96E-06	-4.01E-06	3.40E-06	1.93E-06	-1.47E-06	1.73E-06	9.83E-07	-7.47E-07	3.40E-06	1.93E-06	-1.47E-06
5401	483078	3853844.3	2.80E-06	2.33E-06	-4.69E-07	1.06E-06	9.09E-07	-1.53E-07	5.40E-07	4.62E-07	-7.79E-08	1.06E-06	9.09E-07	-1.53E-07
5402	483121.4	3853909.4	2.45E-06	2.12E-06	-3.35E-07	9.30E-07	8.26E-07	-1.05E-07	4.73E-07	4.20E-07	-5.32E-08	9.30E-07	8.26E-07	-1.05E-07
5403	483492.6	3853911.5	1.13E-06	8.05E-07	-3.24E-07	4.28E-07	3.14E-07	-1.14E-07	2.18E-07	1.60E-07	-5.81E-08	4.28E-07	3.14E-07	-1.14E-07
5404	483498.3	3854204.7	1.18E-06	1.94E-06	7.59E-07	4.48E-07	7.56E-07	3.08E-07	2.28E-07	3.85E-07	1.57E-07	4.48E-07	7.56E-07	3.08E-07
5405	484132.4	3854662.6	6.46E-07	3.17E-06	2.53E-06	2.45E-07	1.24E-06	9.92E-07	1.25E-07	6.29E-07	5.05E-07	2.45E-07	1.24E-06	9.92E-07
5406	484627.6	3854876.1	5.86E-07	2.80E-06	2.22E-06	2.22E-07	1.09E-06	8.71E-07	1.13E-07	5.56E-07	4.43E-07	2.22E-07	1.09E-06	8.71E-07
5407	484756.1	3854949	5.88E-07	2.80E-06	2.22E-06	2.23E-07	1.09E-06	8.71E-07	1.13E-07	5.56E-07	4.43E-07	2.23E-07	1.09E-06	8.71E-07
5408	486697.5	3856599.2	6.97E-07	1.14E-06	4.41E-07	2.64E-07	4.44E-07	1.79E-07	1.34E-07	2.26E-07	9.12E-08	2.64E-07	4.44E-07	1.79E-07
5409	487105.3	3856962.3	7.82E-07	1.09E-06	3.07E-07	2.97E-07	4.25E-07	1.28E-07	1.51E-07	2.16E-07	6.51E-08	2.97E-07	4.25E-07	1.28E-07
5410	487157.6	3856901.7	7.31E-07	8.56E-07	1.25E-07	2.77E-07	3.34E-07	5.65E-08	1.41E-07	1.70E-07	2.87E-08	2.77E-07	3.34E-07	5.65E-08
5411	487173.5	3856853.7	7.03E-07	7.68E-07	6.47E-08	2.67E-07	3.00E-07	3.27E-08	1.36E-07	1.52E-07	1.66E-08	2.67E-07	3.00E-07	3.27E-08
5412	487564.4	3856860.8	6.21E-07	5.16E-07	-1.05E-07	2.36E-07	2.01E-07	-3.45E-08	1.20E-07	1.02E-07	-1.76E-08	2.36E-07	2.01E-07	-3.45E-08
5413	487563.3	3856931.6	6.49E-07	5.52E-07	-9.78E-08	2.46E-07	2.15E-07	-3.12E-08	1.25E-07	1.09E-07	-1.59E-08	2.46E-07	2.15E-07	-3.12E-08
5414	487782.7	3856926.9	6.08E-07	4.68E-07	-1.41E-07	2.31E-07	1.82E-07	-4.84E-08	1.17E-07	9.28E-08	-2.46E-08	2.31E-07	1.82E-07	-4.84E-08
5415	487782.4	3856757.1	5.54E-07	4.14E-07	-1.40E-07	2.10E-07	1.62E-07	-4.87E-08	1.07E-07	8.22E-08	-2.48E-08	2.10E-07	1.62E-07	-4.87E-08
5416	487917.3	3856752.4	5.39E-07	3.87E-07	-1.52E-07	2.04E-07	1.51E-07	-5.35E-08	1.04E-07	7.67E-08	-2.72E-08	2.04E-07	1.51E-07	-5.35E-08
5417	487919.6	3856953.4	5.97E-07	4.39E-07	-1.58E-07	2.27E-07	1.71E-07	-5.52E-08	1.15E-07	8.71E-08	-2.81E-08	2.27E-07	1.71E-07	-5.52E-08
5418	487932.8	3857000.3	6.08E-07	4.50E-07	-1.58E-07	2.31E-07	1.76E-07	-5.52E-08	1.17E-07	8.93E-08	-2.81E-08	2.31E-07	1.76E-07	-5.52E-08
5419	487960.5	3857044.8	6.18E-07	4.57E-07	-1.61E-07	2.35E-07	1.78E-07	-5.62E-08	1.19E-07	9.07E-08	-2.86E-08	2.35E-07	1.78E-07	-5.62E-08
5420	488016.5	3857089.5	6.24E-07	4.57E-07	-1.67E-07	2.37E-07	1.78E-07	-5.85E-08	1.20E-07	9.06E-08	-2.97E-08	2.37E-07	1.78E-07	-5.85E-08
5421	488114.4	3857165.5	6.36E-07	4.56E-07	-1.80E-07	2.41E-07	1.78E-07	-6.33E-08	1.23E-07	9.05E-08	-3.22E-08	2.41E-07	1.78E-07	-6.33E-08
5422	488171.5	3857234.2	6.55E-07	4.65E-07	-1.90E-07	2.49E-07	1.81E-07	-6.73E-08	1.26E-07	9.22E-08	-3.42E-08	2.49E-07	1.81E-07	-6.73E-08
5423	488193.2	3857297.8	6.83E-07	4.83E-07	-2.00E-07	2.59E-07	1.88E-07	-7.07E-08	1.32E-07	9.57E-08	-3.60E-08	2.59E-07	1.88E-07	-7.07E-08
5424	488189.3	3857649.9	9.19E-07	6.88E-07	-2.31E-07	3.49E-07	2.68E-07	-8.04E-08	1.77E-07	1.36E-07	-4.09E-08	3.49E-07	2.68E-07	-8.04E-08
5425	488127.4	3857732.3	1.02E-06	8.26E-07	-1.97E-07	3.88E-07	3.22E-07	-6.60E-08	1.97E-07	1.64E-07	-3.36E-08	3.88E-07	3.22E-07	-6.60E-08
5426	488149.9	3857752.9	1.03E-06	8.27E-07	-2.06E-07	3.92E-07	3.23E-07	-6.92E-08	1.99E-07	1.64E-07	-3.52E-08	3.92E-07	3.23E-07	-6.92E-08
5427	488144.8	3857758.7	1.04E-06	8.40E-07	-2.01E-07	3.95E-07	3.28E-07	-6.73E-08	2.01E-07	1.67E-07	-3.42E-08	3.95E-07	3.28E-07	-6.73E-08
5428	488335.6	3857932.6	1.17E-06	8.70E-07	-2.98E-07	4.43E-07	3.39E-07	-1.04E-07	2.25E-07	1.73E-07	-5.28E-08	4.43E-07	3.39E-07	-1.04E-07
5429	488372.3	3857943.8	1.16E-06	8.46E-07	-3.15E-07	4.41E-07	3.30E-07	-1.10E-07	2.24E-07	1.68E-07	-5.62E-08	4.41E-07	3.30E-07	-1.10E-07
5430	488828.6	3857936.4	9.11E-07	5.60E-07	-3.52E-07	3.46E-07	2.18E-07	-1.27E-07	1.76E-07	1.11E-07	-6.48E-08	3.46E-07	2.18E-07	-1.27E-07
5431	488829.1	3857959.6	9.31E-07	5.72E-07	-3.59E-07	3.53E-07	2.23E-07	-1.30E-07	1.80E-07	1.13E-07	-6.62E-08	3.53E-07	2.23E-07	-1.30E-07
5432	488351.6	3857964.6	1.21E-06	8.99E-07	-3.09E-07	4.58E-07	3.51E-07	-1.08E-07	2.33E-07	1.78E-07	-5.47E-08	4.58E-07	3.51E-07	-1.08E-07
5433	488316.9	3857947.7	1.20E-06	9.15E-07	-2.90E-07	4.57E-07	3.57E-07	-1.00E-07	2.32E-07	1.81E-07	-5.09E-08	4.57E-07	3.57E-07	-1.00E-07
5434	488129.1	3857775.8	1.07E-06	8.82E-07	-1.87E-07	4.05E-07	3.44E-07	-6.14E-08	2.06E-07	1.75E-07	-3.12E-08	4.05E-07	3.44E-07	-6.14E-08
5435	488062.5	3857846.1	1.21E-06	1.13E-06	-7.81E-08	4.60E-07	4.43E-07	-1.75E-08	2.34E-07	2.25E-07	-8.91E-09	4.60E-07	4.43E-07	-1.75E-08
5436	488330.4	3858091.3	1.46E-06	1.18E-06	-2.85E-07	5.55E-07	4.59E-07	-9.55E-08	2.82E-07	2.34E-07	-4.86E-08	5.55E-07	4.59E-07	-9.55E-08
5437	488470.9	3858174.5	1.51E-06	1.11E-06	-4.01E-07	5.74E-07	4.33E-07	-1.40E-07	2.92E-07	2.20E-07	-7.13E-08	5.74E-07	4.33E-07	-1.40E-07
5438	488568.9	3858262.3	1.65E-06	1.16E-06	-4.87E-07	6.26E-07	4.54E-07	-1.72E-07	3.18E-07	2.31E-07	-8.76E-08	6.26E-07	4.54E-07	-1.72E-07
5439	488964.3	3858025.7	9.28E-07	5.55E-07	-3.73E-07	3.52E-07	2.16E-07	-1.36E-07	1.79E-07	1.10E-07	-6.90E-08	3.52E-07	2.16E-07	-1.36E-07
5440	489147.3	3857956.6	8.02E-07	4.69E-07	-3.33E-07	3.04E-07	1.83E-07	-1.21E-07	1.55E-07	9.30E-08	-6.18E-08	3.04E-07	1.83E-07	-1.21E-07
5441	489343.5	3857932.5	7.26E-07	4.17E-07	-3.09E-07	2.75E-07	1.63E-07	-1.13E-07	1.40E-07	8.27E-08	-5.74E-08	2.75E-07	1.63E-07	-1.13E-07
5442	489866.2	3857923.2	6.04E-07	3.36E-07	-2.68E-07	2.29E-07	1.31E-07	-9.81E-08	1.17E-07	6.67E-08	-4.99E-08	2.29E-07	1.31E-07	-9.81E-08
5443	489955.7	3857902.3	5.80E-07	3.22E-07	-2.58E-07	2.20E-07	1.26E-07	-9.44E-08	1.12E-07	6.39E-08	-4.80E-08	2.20E-07	1.26E-07	-9.44E-08
5444	490079.4	3857847.9	5.51E-07	3.05E-07	-2.46E-07	2.09E-07	1.19E-07	-9.00E-08	1.06E-07	6.05E-08	-4.58E-08	2.09E-07	1.19E-07	-9.00E-08
5445	490108.5	3857934.1	5.69E-07	3.13E-07	-2.56E-07	2.16E-07	1.22E-07	-9.36E-08	1.10E-07	6.21E-08	-4.76E-08	2.16E-07	1.22E-07	-9.36E-08
5446	489884.5	3858014.2	6.33E-07	3.50E-07	-2.83E-07	2.40E-07	1.37E-07	-1.04E-07	1.22E-07	6.95E-08	-5.27E-08	2.40E-07	1.37E-07	-1.04E-07
5447	489326.6	3858025.9	7.83E-07	4.48E-07	-3.35E-07	2.97E-07	1.75E-07	-1.22E-07	1.51E-07	8.89E-08	-6.22E-08	2.97E-07	1.75E-07	-1.22E-07
5448	489130.4	3858056.7	8.75E-07	5.10E-07	-3.64E-07	3.32E-07	1.99E-07	-1.33E-07	1.69E-07	1.01E-07	-6.75E-08	3.32E-07	1.99E-07	-1.33E-07
5449	488936.5	3858143.9	1.06E-06	6.38E-07	-4.24E-07	4.03E-07	2.49E-07	-1.54E-07	2.05E-07	1.27E-07	-7.84E-08	4.03E-07	2.49E-07	-1.54E-07
5450	488638.1	3858327.5	1.74E-06	1.19E-06	-5.48E-07	6.59E-07	4.64E-07	-1.95E-07	3.35E-07	2.36E-07	-9.92E-08	6.59E-07	4.64E-07	-1.95E-07

5451	488663.8	3858349.6	1.76E-06	1.19E-06	-5.70E-07	6.69E-07	4.65E-07	-2.04E-07	3.40E-07	2.37E-07	-1.04E-07	6.69E-07	4.65E-07	-2.04E-07
5452	488694.6	3858349.5	1.71E-06	1.13E-06	-5.76E-07	6.48E-07	4.41E-07	-2.06E-07	3.29E-07	2.24E-07	-1.05E-07	6.48E-07	4.41E-07	-2.06E-07
5453	488694.4	3858336.8	1.67E-06	1.10E-06	-5.66E-07	6.33E-07	4.30E-07	-2.03E-07	3.22E-07	2.19E-07	-1.03E-07	6.33E-07	4.30E-07	-2.03E-07
5454	488712.8	3858336.4	1.64E-06	1.07E-06	-5.67E-07	6.21E-07	4.18E-07	-2.04E-07	3.16E-07	2.12E-07	-1.04E-07	6.21E-07	4.18E-07	-2.04E-07
5455	488713.2	3858367.5	1.73E-06	1.14E-06	-5.93E-07	6.57E-07	4.45E-07	-2.13E-07	3.34E-07	2.26E-07	-1.08E-07	6.57E-07	4.45E-07	-2.13E-07
5456	488704.6	3858384.1	1.81E-06	1.20E-06	-6.07E-07	6.85E-07	4.68E-07	-2.17E-07	3.48E-07	2.38E-07	-1.11E-07	6.85E-07	4.68E-07	-2.17E-07
5457	488604.2	3858488.3	2.66E-06	2.09E-06	-5.71E-07	1.01E-06	8.16E-07	-1.94E-07	5.14E-07	4.15E-07	-9.89E-08	1.01E-06	8.16E-07	-1.94E-07
5458	488605.7	3858550.5	3.28E-06	2.81E-06	-4.69E-07	1.24E-06	1.10E-06	-1.48E-07	6.32E-07	5.57E-07	-7.52E-08	1.24E-06	1.10E-06	-1.48E-07
5459	488692.7	3858548.7	2.77E-06	1.99E-06	-7.75E-07	1.05E-06	7.77E-07	-2.73E-07	5.34E-07	3.95E-07	-1.39E-07	1.05E-06	7.77E-07	-2.73E-07
5460	488759.9	3858461.8	1.99E-06	1.30E-06	-6.95E-07	7.56E-07	5.07E-07	-2.50E-07	3.85E-07	2.58E-07	-1.27E-07	7.56E-07	5.07E-07	-2.50E-07
5461	488816.6	3858541.8	2.24E-06	1.43E-06	-8.13E-07	8.49E-07	5.56E-07	-2.93E-07	4.32E-07	2.83E-07	-1.49E-07	8.49E-07	5.56E-07	-2.93E-07
5462	488944.6	3858656.8	2.52E-06	1.52E-06	-1.01E-06	9.56E-07	5.91E-07	-3.65E-07	4.86E-07	3.01E-07	-1.86E-07	9.56E-07	5.91E-07	-3.65E-07
5463	489134.9	3858830.7	3.14E-06	1.82E-06	-1.32E-06	1.19E-06	7.11E-07	-4.81E-07	6.06E-07	3.61E-07	-2.45E-07	1.19E-06	7.11E-07	-4.81E-07
5464	489194	3858886.1	3.42E-06	1.96E-06	-1.46E-06	1.30E-06	7.66E-07	-5.34E-07	6.61E-07	3.89E-07	-2.71E-07	1.30E-06	7.66E-07	-5.34E-07
5465	489295.2	3858954.3	3.61E-06	2.02E-06	-1.59E-06	1.37E-06	7.87E-07	-5.82E-07	6.96E-07	4.00E-07	-2.96E-07	1.37E-06	7.87E-07	-5.82E-07
5466	489295.6	3858992.7	4.29E-06	2.40E-06	-1.89E-06	1.63E-06	9.38E-07	-6.91E-07	8.29E-07	4.77E-07	-3.52E-07	1.63E-06	9.38E-07	-6.91E-07
5467	489183.7	3858911.7	3.90E-06	2.26E-06	-1.65E-06	1.48E-06	8.80E-07	-6.01E-07	7.53E-07	4.47E-07	-3.06E-07	1.48E-06	8.80E-07	-6.01E-07
5468	488873.4	3858625.6	2.58E-06	1.60E-06	-9.75E-07	9.79E-07	6.26E-07	-3.53E-07	4.98E-07	3.18E-07	-1.79E-07	9.79E-07	6.26E-07	-3.53E-07
5469	488842.8	3858658.7	3.03E-06	1.94E-06	-1.09E-06	1.15E-06	7.57E-07	-3.91E-07	5.84E-07	3.85E-07	-1.99E-07	1.15E-06	7.57E-07	-3.91E-07
5470	488856.4	3858670.9	3.07E-06	1.96E-06	-1.12E-06	1.17E-06	7.64E-07	-4.03E-07	5.93E-07	3.88E-07	-2.05E-07	1.17E-06	7.64E-07	-4.03E-07
5471	488805.7	3858724.5	4.32E-06	3.03E-06	-1.29E-06	1.64E-06	1.18E-06	-4.58E-07	8.33E-07	6.01E-07	-2.33E-07	1.64E-06	1.18E-06	-4.58E-07
5472	488805.9	3858804.2	7.16E-06	6.11E-06	-1.05E-06	2.72E-06	2.38E-06	-3.31E-07	1.38E-06	1.21E-06	-1.68E-07	2.72E-06	2.38E-06	-3.31E-07
5473	488995.8	3858937	9.24E-06	6.63E-06	-2.61E-06	3.51E-06	2.59E-06	-9.20E-07	1.78E-06	1.32E-06	-4.68E-07	3.51E-06	2.59E-06	-9.20E-07
5474	489130.8	3859017.4	9.85E-06	6.12E-06	-3.73E-06	3.74E-06	2.39E-06	-1.35E-06	1.90E-06	1.21E-06	-6.86E-07	3.74E-06	2.39E-06	-1.35E-06
5475	489130.9	3859052.2	1.52E-05	9.55E-06	-5.64E-06	5.76E-06	3.72E-06	-2.04E-06	2.93E-06	1.89E-06	-1.04E-06	5.76E-06	3.72E-06	-2.04E-06
5476	489200.3	3859090.6	1.52E-05	9.04E-06	-6.11E-06	5.75E-06	3.53E-06	-2.22E-06	2.92E-06	1.79E-06	-1.13E-06	5.75E-06	3.53E-06	-2.22E-06
5477	489296.1	3859143.7	1.51E-05	8.88E-06	-6.24E-06	5.73E-06	3.46E-06	-2.27E-06	2.92E-06	1.76E-06	-1.16E-06	5.73E-06	3.46E-06	-2.27E-06
5478	489296.4	3858954.7	3.61E-06	2.02E-06	-1.59E-06	1.37E-06	7.86E-07	-5.82E-07	6.96E-07	4.00E-07	-2.96E-07	1.37E-06	7.86E-07	-5.82E-07
5479	489410.3	3859033.2	3.86E-06	2.12E-06	-1.74E-06	1.46E-06	8.28E-07	-6.36E-07	7.45E-07	4.21E-07	-3.24E-07	1.46E-06	8.28E-07	-6.36E-07
5480	489371.4	3859089.8	5.92E-06	3.31E-06	-2.61E-06	2.25E-06	1.29E-06	-9.55E-07	1.14E-06	6.56E-07	-4.86E-07	2.25E-06	1.29E-06	-9.55E-07
5481	489390.5	3859102.8	6.02E-06	3.36E-06	-2.66E-06	2.28E-06	1.31E-06	-9.72E-07	1.16E-06	6.67E-07	-4.94E-07	2.28E-06	1.31E-06	-9.72E-07
5482	489382.3	3859114.5	6.78E-06	3.81E-06	-2.97E-06	2.57E-06	1.48E-06	-1.09E-06	1.31E-06	7.55E-07	-5.52E-07	2.57E-06	1.48E-06	-1.09E-06
5483	489363	3859102.5	6.70E-06	3.77E-06	-2.93E-06	2.54E-06	1.47E-06	-1.07E-06	1.29E-06	7.47E-07	-5.45E-07	2.54E-06	1.47E-06	-1.07E-06
5484	489337.5	3859140.7	1.09E-05	6.29E-06	-4.63E-06	4.14E-06	2.45E-06	-1.69E-06	2.11E-06	1.25E-06	-8.60E-07	4.14E-06	2.45E-06	-1.69E-06
5485	489375.1	3859164.6	1.14E-05	6.50E-06	-4.85E-06	4.31E-06	2.54E-06	-1.77E-06	2.19E-06	1.29E-06	-9.01E-07	4.31E-06	2.54E-06	-1.77E-06
5486	489409.3	3859114.5	6.08E-06	3.39E-06	-2.69E-06	2.31E-06	1.32E-06	-9.83E-07	1.17E-06	6.73E-07	-5.00E-07	2.31E-06	1.32E-06	-9.83E-07
5487	489434.9	3859131.8	6.22E-06	3.47E-06	-2.75E-06	2.36E-06	1.35E-06	-1.01E-06	1.20E-06	6.87E-07	-5.12E-07	2.36E-06	1.35E-06	-1.01E-06
5488	489471.9	3859075.8	4.01E-06	2.20E-06	-1.81E-06	1.52E-06	8.59E-07	-6.63E-07	7.74E-07	4.37E-07	-3.37E-07	1.52E-06	8.59E-07	-6.63E-07
5489	489602.6	3859164.7	4.35E-06	2.38E-06	-1.97E-06	1.65E-06	9.30E-07	-7.22E-07	8.40E-07	4.73E-07	-3.67E-07	1.65E-06	9.30E-07	-7.22E-07
5490	489558.3	3859232.5	8.08E-06	4.47E-06	-3.61E-06	3.06E-06	1.74E-06	-1.32E-06	1.56E-06	8.87E-07	-6.71E-07	3.06E-06	1.74E-06	-1.32E-06
5491	489620.1	3859273.6	8.64E-06	4.78E-06	-3.86E-06	3.28E-06	1.86E-06	-1.41E-06	1.67E-06	9.48E-07	-7.19E-07	3.28E-06	1.86E-06	-1.41E-06
5492	489666.1	3859206.4	4.52E-06	2.47E-06	-2.05E-06	1.71E-06	9.63E-07	-7.50E-07	8.71E-07	4.90E-07	-3.81E-07	1.71E-06	9.63E-07	-7.50E-07
5493	489787.9	3859285.7	4.83E-06	2.65E-06	-2.18E-06	1.83E-06	1.03E-06	-8.00E-07	9.32E-07	5.25E-07	-4.07E-07	1.83E-06	1.03E-06	-8.00E-07
5494	489752.2	3859343.1	8.40E-06	4.65E-06	-3.75E-06	3.19E-06	1.81E-06	-1.37E-06	1.62E-06	9.22E-07	-6.99E-07	3.19E-06	1.81E-06	-1.37E-06
5495	489814.9	3859385.3	9.04E-06	5.01E-06	-4.04E-06	3.43E-06	1.95E-06	-1.48E-06	1.74E-06	9.94E-07	-7.51E-07	3.43E-06	1.95E-06	-1.48E-06
5496	489853.4	3859330.7	5.09E-06	2.80E-06	-2.30E-06	1.93E-06	1.09E-06	-8.42E-07	9.83E-07	5.55E-07	-4.28E-07	1.93E-06	1.09E-06	-8.42E-07
5497	489969.5	3859401.9	5.34E-06	2.94E-06	-2.41E-06	2.03E-06	1.15E-06	-8.82E-07	1.03E-06	5.82E-07	-4.48E-07	2.03E-06	1.15E-06	-8.82E-07
5498	490166.9	3859487	4.88E-06	2.67E-06	-2.21E-06	1.85E-06	1.04E-06	-8.09E-07	9.42E-07	5.30E-07	-4.11E-07	1.85E-06	1.04E-06	-8.09E-07
5499	490128.9	3859571.5	1.22E-05	6.67E-06	-5.55E-06	4.64E-06	2.60E-06	-2.03E-06	2.36E-06	1.32E-06	-1.03E-06	4.64E-06	2.60E-06	-2.03E-06
5500	490186.7	3859593.7	1.23E-05	6.75E-06	-5.57E-06	4.67E-06	2.63E-06	-2.04E-06	2.38E-06	1.34E-06	-1.04E-06	4.67E-06	2.63E-06	-2.04E-06
5501	490223.7	3859517.5	5.08E-06	2.78E-06	-2.30E-06	1.93E-06	1.08E-06	-8.43E-07	9.80E-07	5.51E-07	-4.29E-07	1.93E-06	1.08E-06	-8.43E-07
5502	490846.3	3859817.2	7.39E-06	4.15E-06	-3.24E-06	2.80E-06	1.62E-06	-1.19E-06	1.43E-06	8.22E-07	-6.03E-07	2.80E-06	1.62E-06	-1.19E-06
5503	490925.7	3859844.6	6.83E-06	3.83E-06	-3.00E-06	2.59E-06	1.49E-06	-1.10E-06	1.32E-06	7.60E-07	-5.58E-07	2.59E-06	1.49E-06	-1.10E-06
5504	491159.3	3859896.3	4.79E-06	2.62E-06	-2.17E-06	1.82E-06	1.02E-06	-7.95E-07	9.24E-07	5.20E-07	-4.04E-07	1.82E-06	1.02E-06	-7.95E-07
5505	491370.7	3859960.9	3.66E-06	1.99E-06	-1.66E-06	1.39E-06	7.77E-07	-6.10E-07	7.06E-07	3.95E-07	-3.10E-07	1.39E-06	7.77E-07	-6.10E-07
5506	491330.3	3860063.2	6.82E-06	3.69E-06	-3.14E-06	2.59E-06	1.44E-06	-1.15E-06	1.32E-06	7.31E-07	-5.85E-07	2.59E-06	1.44E-06	-1.15E-06
5507	491636.5	3860180.8	3.66E-06	2.02E-06	-1.64E-06	1.39E-06	7.89E-07	-6.00E-07	7.07E-07	4.01E-07	-3.05E-07	1.39E-06	7.89E-07	-6.00E-07
5508	491617.9	3860203.9	4.23E-06	2.34E-06	-1.89E-06	1.60E-06	9.14E-07	-6.91E-07	8.16E-07	4.65E-07	-3.51E-07	1.60E-06	9.14E-07	-6.91E-07
5509	491805.7	3860271.6	3.17E-06	1.76E-06	-1.41E-06	1.20E-06	6.86E-07	-5.15E-07	6.11E-07	3.49E-07	-2.62E-07	1.20E-06	6.86E-07	-5.15E-07
5510	491654.2	3860414	1.64E-05	9.35E-06	-7.01E-06	6.21E-06	3.65E-06	-2.56E-06	3.16E-06	1.86E-06	-1.30E-06	6.21E-06	3.65E-06	-2.56E-06
5511	491592.6	3860510.8	3.16E-06	1.68E-06	-1.48E-06	1.20E-06	6.55E-07	-5.45E-07	6.10E-07	3.33E-07	-2.77E-07	1.20E-06	6.55E-07	-5.45E-07
5512	491475.4	3860368.9	5.32E-06	2.81E-06	-2.51E-06	2.02E-06	1.10E-06	-9.22E-07	1.03E-06	5.58E-07	-4.69E-07	2.02E-06	1.10E-06	-9.22E-07
5513	491445.6	3860337.3	5.92E-06	3.15E-06	-2.77E-06	2.24E-06	1.23E-06	-1.02E-06	1.14E-06	6.24E-07	-5.17E-07	2.24E-06	1.23E-06	-1.02E-06
5514	491399.1	3860300.4	6.02E-06	3.24E-06	-2.78E-06	2.28E-06	1.26E-06	-1.02E-06	1.16E-06	6.42E-07	-5.19E-07	2.28E-06	1.26E-06	-1.02E-06
5515	491228.8	3860236	2.96E-06	1.63E-06	-1.33E-06	1.12E-06	6.35E-07	-4.88E-07	5.71E-07	3.23E-07	-2.48E-07	1.12E-06	6.35E-07	-4.88E-07
5516	491228.5	3860174.6	5.64E-06	3.15E-06	-2.49E-06	2.14E-06	1.23E-06	-9.11E-07	1.09E-06	6.24E-07	-4.63E-07	2.14E-06	1.23E-06	-9.11E-07
5517	491145.8	3860112.6	5.60E-06	3.14E-06	-2.45E-06	2.12E-06	1.23E-06	-8.97E-07	1.08E-06	6.24E-07	-4.56E-07	2.12E-06	1.23E-06	-8.97E-07
5518	490844.4	3859966.2	5.21E-06	2.76E-06	-2.46E-06	1.98E-06	1.08E-06	-9.03E-07	1.01E-06	5.47E-07	-4.59E-07	1.98E-06	1.08E-06	-9.03E-07
5519	490845.6	3859928.2	1.15E-05	5.94E-06	-5.59E-06	4.37E-06	2.32E-06	-2.06E-06	2.22E-06	1.18E-06	-1.05E-06	4.37E-06	2.32E-06	-2.06E-06
5520	490046.9	3859625.6	7.70E-06	4.22E-06	-3.48E-06	2.92E-06	1.65E-06	-1.27E-06	1.48E-06	8.37E-07	-6.48E-07	2.92E-06	1.65E-06	-1.27E-06
5521	489970.5	3859589.4	8.06E-06	4.35E-06	-3.71E-06	3.06E-06	1.70E-06	-1.36E-06	1.56E-06	8.64E-07	-6.92E-07	3.06E-06	1.70E-06	-1.36E-06
5522	489865.9	3859529.1	8.81E-06	4.72E-06	-4.09E-06	3.34E-06	1.84E-06	-1.50E-06	1.70E-06	9.36E-07	-7.64E-07	3.34E-06	1.84E-06	-1.50E-06
5523	489826.9	3859531.7	5.68E-06	3.05E-06	-2.63E-06	2.16E-06	1.19E-06	-9.65E-07	1.10E-06	6.06E-07	-4.91E-07	2.16E-06	1.19E-06	-9.65E-07
5524	489410.5	3859303.1	5.63E-06	2.95E-06	-2.68E-06	2.13E-06	1.15E-06	-9.85E-07	1.09E-06	5.84E-07	-5.01E-07	2.13E-06	1.15E-06	-9.85E-07
5525	489407.2	3859286.1	7.28E-06	3.78E-06	-3.50E-06	2.76E-06	1.47E-06	-1.29E-06	1.40E-06	7.50E-07	-6.55E-07	2.76E-06	1.47E-06	-1.29E-06
5526	488806.1	3858963.6	6.25E-06	2.50E-06	-3.75E-06	2.37E-06	9.75E-07	-1.40E-06	1.21E-06	4.96E-07	-7.10E-07	2.37E-06	9.75E-07	-1.40E-06
5527	488817.6	3859546.3	5.47E-07	2.87E-07	-2.59E-07	2.07E-07	1.12E-07	-9.53E-08	1.05E-07	5.70E-08	-4.85E-08	2.07E-07	1.12E-07	-9.53E-08
5528	489187.3	3859549.5	7.75E-07	4.13E-07	-3.62E-07	2.94E-07	1.61E-07	-1.33E-07	1.49E-07	8.18E-08	-6.76E-08	2.94E-07	1.61E-07	-1.33E-07
5529	489187.7	3859523.7	8.22E-07	4.38E-07	-3.85E-07	3.12E-07	1.71E-07	-1.41E-07	1.59E-07	8.68E-08	-7.18E-08	3.12E-07	1.71E-07	-1.41E-07
5530	489232.6	3859522.9	8.77E-07	4.67E-07	-4.10E-07	3.33E-07	1.82E-07	-1.50E-07	1.69E-07	9.27E-08	-7.65E-08	3.33E-07	1.82E-07	-1.50E-07
5531	489225	3859759.9	5.51E-07	2.95E-07	-2.56E-07	2.09E-07	1.15E-07	-9.39E-08	1.06E-07	5.85E-08	-4.78E-08	2.09E-07	1.15E-07	-9.39E-08
5532	488401.4	3859763.3	3.41E-07	1.79E-07	-1.62E-07	1.29E-07	6.98E-08	-5.95E-08	6.58E-08	3.55E-08	-3.03E-08	1.29E-07	6.98E-08	-5.95E-08
5533	488405.5	3859966.2	3.00E-07	1.59E-07	-1.41E-07	1.14E-07	6.20E-08	-5.20E-08	5.80E-08	3.15E-08	-2.64E-08	1.14E-07	6.20E-08	-5.20E-08
5534	489202.9	3859956.6	4.26E-07	2.29E-07	-1.98E-07	1.62E-07	8.91E-08	-7.27E-08	8.23E-08	4.53E-08	-3.69E-08	1.62E-07	8.91E-08	-7.27E-08
5535	489191.9	3860676.7	2.49E-07	1.34E-07	-1.15E-07	9.43E-08	5.23E-08	-4.21E-08	4.80E-08	2.66E-08	-2.14E-08	9.43E-08	5.23E-08	-4.21E-08
5536	488392.8	3860687.9	2.06E-07	1.10E-07	-9.64E-08	7.82E-08	4.28E-08	-3.54E-08	3.98E-08	2.18E-08	-1.80E-08	7.82E-08	4.28E-08	-3.54E-08
5537	488392.8	3860760.3	2.00E-07	1.07E-07	-9.36E-08	7.60E-08	4.16E-08	-3.44E-08	3.87E-08	2.12E-08	-1.75E-08	7.60E-08	4.16E-08	-3.44E-08
5538	487549.1	3860777.5	1.70E-07	9.00E-08	-8.02E-08	6.46E-08	3.51E-08	-2.95E-08	3.28E-08	1.79E-08	-1.50E-08	6.46E-08	3.51E-08	-2.95E-08
5539	487554.6	3859571.8	2.87E-07	1.47E-07	-1.40E-07	1.09E-07	5.72E-08	-5.16E-08	5.53E-08	2.91E-08	-2.62E-08	1.09E-07	5.72E-08	-5.16E-08
5540	485949.5	3859558.5	1.97E-07	1.01E-07	-9.65E-08	7.48E-08	3.93E-08	-3.55E-08	3.81E-08	2.00E-08	-1.81E-08	7.48E-08	3.93E-08	-3.55E-08
5541	485947.6	3857943.6	5.17E-07	2.15E-07	-3.02E-07	1.96E-07	8.37E-08	-1.12E-07	9.97E-08	4.26E-08	-5.72E-08	1.96E-07	8.37E-08	-1.12E-07
5542	484738.4	3857940.2	2.66E-07	1.24E-07	-1.42E-07	1.01E-07	4.84E-08	-5.24E-08	5.13E-08	2.46E-08	-2.67E-08	1.01E-07	4.84E-08	-5.24E-08
5543	484737.1	3857535.7	3.33E-07	1.48E-07	-1.85E-07	1.26E-07	5.77E-08	-6.86E-08	6.42E-08	2.93E-08	-3.49E-08	1.26E-07	5.77E-08	-6.86E-08
5544	483730.2	3857530.1	2.27E-07	1.08E-07	-1.19E-07	8.63E-08	4.21E-08	-4.42E-08	4.39E-08	2.14E-08	-2.25E-08	8.63E-08	4.21E-08	-4.42E-08

5545	483727.3	3857130	2.66E-07	1.23E-07	-1.43E-07	1.01E-07	4.78E-08	-5.30E-08	5.13E-08	2.43E-08	-2.70E-08	1.01E-07	4.78E-08	-5.30E-08
5546	483124.4	3857123.5	2.21E-07	1.05E-07	-1.16E-07	8.39E-08	4.11E-08	-4.28E-08	4.27E-08	2.09E-08	-2.18E-08	8.39E-08	4.11E-08	-4.28E-08
5547	483111.1	3855921	3.77E-07	1.62E-07	-2.15E-07	1.43E-07	6.33E-08	-7.97E-08	7.27E-08	3.22E-08	-4.05E-08	1.43E-07	6.33E-08	-7.97E-08
5548	482701.7	3855918.2	3.03E-07	1.37E-07	-1.65E-07	1.15E-07	5.35E-08	-6.13E-08	5.84E-08	2.72E-08	-3.12E-08	1.15E-07	5.35E-08	-6.13E-08
5549	482668	3853521.8	2.55E-06	1.30E-06	-1.24E-06	9.66E-07	5.09E-07	-4.58E-07	4.91E-07	2.59E-07	-2.33E-07	9.66E-07	5.09E-07	-4.58E-07
5550	482579.9	3853219.2	3.07E-06	1.68E-06	-1.39E-06	1.16E-06	6.56E-07	-5.08E-07	5.92E-07	3.34E-07	-2.59E-07	1.16E-06	6.56E-07	-5.08E-07
5551	482434.1	3852961.9	4.33E-06	2.39E-06	-1.94E-06	1.64E-06	9.31E-07	-7.11E-07	8.35E-07	4.74E-07	-3.61E-07	1.64E-06	9.31E-07	-7.11E-07
5552	482332.1	3852832.9	5.62E-06	3.10E-06	-2.52E-06	2.13E-06	1.21E-06	-9.22E-07	1.08E-06	6.15E-07	-4.69E-07	2.13E-06	1.21E-06	-9.22E-07
5553	481335	3851819	4.64E-06	2.55E-06	-2.08E-06	1.76E-06	9.96E-07	-7.62E-07	8.94E-07	5.07E-07	-3.88E-07	1.76E-06	9.96E-07	-7.62E-07
5554	481127.6	3851646.4	3.99E-06	2.18E-06	-1.80E-06	1.51E-06	8.52E-07	-6.61E-07	7.70E-07	4.33E-07	-3.36E-07	1.51E-06	8.52E-07	-6.61E-07
5555	481025	3851591.7	3.64E-06	1.99E-06	-1.66E-06	1.38E-06	7.75E-07	-6.07E-07	7.03E-07	3.94E-07	-3.09E-07	1.38E-06	7.75E-07	-6.07E-07
5556	480513.6	3851335.8	3.73E-06	2.06E-06	-1.67E-06	1.41E-06	8.02E-07	-6.13E-07	7.19E-07	4.08E-07	-3.11E-07	1.41E-06	8.02E-07	-6.13E-07
5557	480523.6	3851317.7	5.04E-06	2.79E-06	-2.26E-06	1.91E-06	1.09E-06	-8.27E-07	9.73E-07	5.52E-07	-4.21E-07	1.91E-06	1.09E-06	-8.27E-07
5558	476921.6	3849569.1	4.44E-06	2.44E-06	-2.01E-06	1.69E-06	9.50E-07	-7.35E-07	8.57E-07	4.83E-07	-3.74E-07	1.69E-06	9.50E-07	-7.35E-07
5559	476521.2	3849374	5.35E-06	2.92E-06	-2.42E-06	2.03E-06	1.14E-06	-8.89E-07	1.03E-06	5.80E-07	-4.52E-07	2.03E-06	1.14E-06	-8.89E-07
5560	476391.5	3849333.4	5.71E-06	3.13E-06	-2.58E-06	2.17E-06	1.22E-06	-9.47E-07	1.10E-06	6.21E-07	-4.82E-07	2.17E-06	1.22E-06	-9.47E-07
5561	476219.4	3849304.3	4.98E-06	2.74E-06	-2.25E-06	1.89E-06	1.07E-06	-8.23E-07	9.61E-07	5.43E-07	-4.19E-07	1.89E-06	1.07E-06	-8.23E-07
5562	475679.1	3849218.5	4.05E-06	2.22E-06	-1.83E-06	1.54E-06	8.64E-07	-6.71E-07	7.81E-07	4.39E-07	-3.41E-07	1.54E-06	8.64E-07	-6.71E-07
5563	475677.7	3849233.9	3.24E-06	1.77E-06	-1.47E-06	1.23E-06	6.92E-07	-5.37E-07	6.25E-07	3.52E-07	-2.73E-07	1.23E-06	6.92E-07	-5.37E-07
5564	475492.7	3849204.7	2.26E-06	1.24E-06	-1.02E-06	8.57E-07	4.84E-07	-3.74E-07	4.36E-07	2.46E-07	-1.90E-07	8.57E-07	4.84E-07	-3.74E-07
5565	475497.6	3849158.8	5.32E-06	2.92E-06	-2.40E-06	2.02E-06	1.14E-06	-8.81E-07	1.03E-06	5.79E-07	-4.48E-07	2.02E-06	1.14E-06	-8.81E-07
5566	475391.4	3849141.9	4.06E-06	2.22E-06	-1.83E-06	1.54E-06	8.68E-07	-6.72E-07	7.83E-07	4.41E-07	-3.42E-07	1.54E-06	8.68E-07	-6.72E-07
5567	475277	3849095.5	3.92E-06	2.15E-06	-1.77E-06	1.49E-06	8.37E-07	-6.49E-07	7.56E-07	4.26E-07	-3.30E-07	1.49E-06	8.37E-07	-6.49E-07
5568	475183.9	3849025.7	5.11E-06	2.81E-06	-2.30E-06	1.94E-06	1.09E-06	-8.44E-07	9.86E-07	5.56E-07	-4.29E-07	1.94E-06	1.09E-06	-8.44E-07
5569	474453.2	3848378.8	7.30E-06	4.01E-06	-3.29E-06	2.77E-06	1.56E-06	-1.21E-06	1.41E-06	7.94E-07	-6.14E-07	2.77E-06	1.56E-06	-1.21E-06
5570	474569.6	3848399.3	1.57E-05	8.62E-06	-7.08E-06	5.96E-06	3.36E-06	-2.60E-06	3.03E-06	1.71E-06	-1.32E-06	5.96E-06	3.36E-06	-2.60E-06
5571	474644.3	3848464.5	1.59E-05	8.75E-06	-7.19E-06	6.04E-06	3.41E-06	-2.63E-06	3.07E-06	1.73E-06	-1.34E-06	6.04E-06	3.41E-06	-2.63E-06
5572	474719	3848529.7	1.63E-05	8.92E-06	-7.33E-06	6.17E-06	3.48E-06	-2.69E-06	3.14E-06	1.77E-06	-1.37E-06	6.17E-06	3.48E-06	-2.69E-06
5573	474793.7	3848594.9	1.65E-05	9.08E-06	-7.47E-06	6.28E-06	3.54E-06	-2.74E-06	3.19E-06	1.80E-06	-1.39E-06	6.28E-06	3.54E-06	-2.74E-06
5574	474868.5	3848660.1	1.66E-05	9.13E-06	-7.51E-06	6.31E-06	3.56E-06	-2.75E-06	3.21E-06	1.81E-06	-1.40E-06	6.31E-06	3.56E-06	-2.75E-06
5575	474943.2	3848725.3	1.69E-05	9.29E-06	-7.65E-06	6.43E-06	3.63E-06	-2.80E-06	3.27E-06	1.84E-06	-1.42E-06	6.43E-06	3.63E-06	-2.80E-06
5576	475017.9	3848790.4	1.75E-05	9.60E-06	-7.90E-06	6.64E-06	3.75E-06	-2.90E-06	3.38E-06	1.90E-06	-1.47E-06	6.64E-06	3.75E-06	-2.90E-06
5577	475092.6	3848855.6	1.79E-05	9.81E-06	-8.07E-06	6.78E-06	3.82E-06	-2.96E-06	3.45E-06	1.94E-06	-1.50E-06	6.78E-06	3.82E-06	-2.96E-06
5578	475232.6	3848959.4	1.51E-05	8.27E-06	-6.80E-06	5.72E-06	3.22E-06	-2.49E-06	2.91E-06	1.64E-06	-1.27E-06	5.72E-06	3.22E-06	-2.49E-06
5579	475368.5	3849030	1.56E-05	8.60E-06	-7.01E-06	5.92E-06	3.35E-06	-2.57E-06	3.01E-06	1.71E-06	-1.31E-06	5.92E-06	3.35E-06	-2.57E-06
5580	475609.6	3849096.1	1.30E-05	7.15E-06	-5.85E-06	4.93E-06	2.79E-06	-2.14E-06	2.51E-06	1.42E-06	-1.09E-06	4.93E-06	2.79E-06	-2.14E-06
5581	475680.7	3849116.6	1.49E-05	8.23E-06	-6.69E-06	5.66E-06	3.21E-06	-2.45E-06	2.88E-06	1.63E-06	-1.25E-06	5.66E-06	3.21E-06	-2.45E-06
5582	475843.8	3849151.5	1.84E-05	1.02E-05	-8.28E-06	6.99E-06	3.96E-06	-3.03E-06	3.56E-06	2.01E-06	-1.54E-06	6.99E-06	3.96E-06	-3.03E-06
5583	475935.7	3849165.9	1.70E-05	9.32E-06	-7.64E-06	6.43E-06	3.64E-06	-2.80E-06	3.27E-06	1.85E-06	-1.42E-06	6.43E-06	3.64E-06	-2.80E-06
5584	476027.7	3849180.3	1.69E-05	9.31E-06	-7.64E-06	6.43E-06	3.63E-06	-2.80E-06	3.27E-06	1.85E-06	-1.42E-06	6.43E-06	3.63E-06	-2.80E-06
5585	476119.7	3849194.6	1.77E-05	9.73E-06	-8.01E-06	6.73E-06	3.79E-06	-2.93E-06	3.42E-06	1.93E-06	-1.49E-06	6.73E-06	3.79E-06	-2.93E-06
5586	476211.7	3849209	1.75E-05	9.61E-06	-7.93E-06	6.66E-06	3.75E-06	-2.91E-06	3.39E-06	1.91E-06	-1.48E-06	6.66E-06	3.75E-06	-2.91E-06
5587	476497.8	3849283.9	2.28E-05	1.26E-05	-1.02E-05	8.64E-06	4.91E-06	-3.73E-06	4.39E-06	2.50E-06	-1.89E-06	8.64E-06	4.91E-06	-3.73E-06
5588	476603.7	3849323.8	2.27E-05	1.25E-05	-1.01E-05	8.60E-06	4.89E-06	-3.71E-06	4.38E-06	2.49E-06	-1.89E-06	8.60E-06	4.89E-06	-3.71E-06
5589	476729	3849382.8	2.09E-05	1.15E-05	-9.38E-06	7.94E-06	4.50E-06	-3.44E-06	4.04E-06	2.29E-06	-1.75E-06	7.94E-06	4.50E-06	-3.44E-06
5590	476801.3	3849418.7	2.09E-05	1.15E-05	-9.40E-06	7.93E-06	4.49E-06	-3.44E-06	4.03E-06	2.28E-06	-1.75E-06	7.93E-06	4.49E-06	-3.44E-06
5591	476956.2	3849495.1	2.09E-05	1.15E-05	-9.42E-06	7.94E-06	4.48E-06	-3.45E-06	4.04E-06	2.28E-06	-1.76E-06	7.94E-06	4.48E-06	-3.45E-06
5592	477038.8	3849535.6	2.12E-05	1.16E-05	-9.57E-06	8.05E-06	4.54E-06	-3.51E-06	4.09E-06	2.31E-06	-1.78E-06	8.05E-06	4.54E-06	-3.51E-06
5593	477121.5	3849576.1	2.11E-05	1.16E-05	-9.55E-06	8.01E-06	4.51E-06	-3.50E-06	4.07E-06	2.30E-06	-1.78E-06	8.01E-06	4.51E-06	-3.50E-06
5594	477204.1	3849616.6	2.13E-05	1.16E-05	-9.62E-06	8.06E-06	4.54E-06	-3.53E-06	4.10E-06	2.31E-06	-1.79E-06	8.06E-06	4.54E-06	-3.53E-06
5595	477286.8	3849657.1	2.00E-05	1.09E-05	-9.07E-06	7.58E-06	4.26E-06	-3.32E-06	3.86E-06	2.16E-06	-1.69E-06	7.58E-06	4.26E-06	-3.32E-06
5596	477369.4	3849697.6	2.12E-05	1.16E-05	-9.64E-06	8.06E-06	4.52E-06	-3.53E-06	4.10E-06	2.30E-06	-1.80E-06	8.06E-06	4.52E-06	-3.53E-06
5597	477452.1	3849738.2	2.13E-05	1.16E-05	-9.68E-06	8.06E-06	4.51E-06	-3.55E-06	4.10E-06	2.30E-06	-1.80E-06	8.06E-06	4.51E-06	-3.55E-06
5598	477534.7	3849778.7	2.19E-05	1.19E-05	-9.97E-06	8.30E-06	4.65E-06	-3.65E-06	4.22E-06	2.36E-06	-1.86E-06	8.30E-06	4.65E-06	-3.65E-06
5599	477617.4	3849819.2	2.18E-05	1.19E-05	-9.95E-06	8.27E-06	4.63E-06	-3.65E-06	4.21E-06	2.35E-06	-1.85E-06	8.27E-06	4.63E-06	-3.65E-06
5600	477824.7	3849896.4	1.43E-05	7.80E-06	-6.53E-06	5.44E-06	3.04E-06	-2.39E-06	2.76E-06	1.55E-06	-1.22E-06	5.44E-06	3.04E-06	-2.39E-06
5601	477906.3	3849936.4	1.48E-05	8.01E-06	-6.75E-06	5.60E-06	3.13E-06	-2.48E-06	2.85E-06	1.59E-06	-1.26E-06	5.60E-06	3.13E-06	-2.48E-06
5602	477987.9	3849976.4	1.48E-05	8.03E-06	-6.75E-06	5.61E-06	3.13E-06	-2.48E-06	2.85E-06	1.59E-06	-1.26E-06	5.61E-06	3.13E-06	-2.48E-06
5603	478069.5	3850016.4	1.50E-05	8.10E-06	-6.85E-06	5.67E-06	3.16E-06	-2.51E-06	2.88E-06	1.61E-06	-1.28E-06	5.67E-06	3.16E-06	-2.51E-06
5604	478151	3850056.4	1.50E-05	8.13E-06	-6.89E-06	5.70E-06	3.17E-06	-2.53E-06	2.90E-06	1.61E-06	-1.29E-06	5.70E-06	3.17E-06	-2.53E-06
5605	478232.6	3850096.4	1.52E-05	8.21E-06	-6.97E-06	5.76E-06	3.20E-06	-2.56E-06	2.93E-06	1.63E-06	-1.30E-06	5.76E-06	3.20E-06	-2.56E-06
5606	478314.2	3850136.3	1.52E-05	8.23E-06	-7.00E-06	5.78E-06	3.21E-06	-2.57E-06	2.94E-06	1.63E-06	-1.31E-06	5.78E-06	3.21E-06	-2.57E-06
5607	478395.8	3850176.3	1.53E-05	8.24E-06	-7.03E-06	5.80E-06	3.22E-06	-2.58E-06	2.95E-06	1.64E-06	-1.31E-06	5.80E-06	3.22E-06	-2.58E-06
5608	478575.4	3850244.5	1.17E-05	6.31E-06	-5.37E-06	4.43E-06	2.46E-06	-1.97E-06	2.25E-06	1.25E-06	-1.00E-06	4.43E-06	2.46E-06	-1.97E-06
5609	478665.1	3850287.3	1.16E-05	6.24E-06	-5.32E-06	4.38E-06	2.43E-06	-1.95E-06	2.23E-06	1.24E-06	-9.92E-07	4.38E-06	2.43E-06	-1.95E-06
5610	478754.7	3850330.1	1.14E-05	6.16E-06	-5.26E-06	4.33E-06	2.40E-06	-1.93E-06	2.20E-06	1.22E-06	-9.81E-07	4.33E-06	2.40E-06	-1.93E-06
5611	478844.3	3850373	1.12E-05	6.04E-06	-5.16E-06	4.25E-06	2.36E-06	-1.89E-06	2.16E-06	1.20E-06	-9.63E-07	4.25E-06	2.36E-06	-1.89E-06
5612	478934	3850415.8	1.09E-05	5.90E-06	-5.04E-06	4.15E-06	2.30E-06	-1.85E-06	2.11E-06	1.17E-06	-9.40E-07	4.15E-06	2.30E-06	-1.85E-06
5613	479023.6	3850458.7	1.11E-05	5.96E-06	-5.11E-06	4.20E-06	2.32E-06	-1.87E-06	2.13E-06	1.18E-06	-9.53E-07	4.20E-06	2.32E-06	-1.87E-06
5614	479110.7	3850441.9	6.27E-06	3.40E-06	-2.87E-06	2.38E-06	1.33E-06	-1.05E-06	1.21E-06	6.75E-07	-5.35E-07	2.38E-06	1.33E-06	-1.05E-06
5615	479191.2	3850424	4.40E-06	2.40E-06	-2.01E-06	1.67E-06	9.35E-07	-7.36E-07	8.49E-07	4.75E-07	-3.74E-07	1.67E-06	9.35E-07	-7.36E-07
5616	479274.3	3850465.7	4.45E-06	2.42E-06	-2.03E-06	1.69E-06	9.44E-07	-7.44E-07	8.59E-07	4.80E-07	-3.78E-07	1.69E-06	9.44E-07	-7.44E-07
5617	479357.4	3850507.4	4.49E-06	2.44E-06	-2.05E-06	1.71E-06	9.53E-07	-7.52E-07	8.67E-07	4.84E-07	-3.83E-07	1.71E-06	9.53E-07	-7.52E-07
5618	479440.5	3850549.1	4.49E-06	2.44E-06	-2.05E-06	1.70E-06	9.51E-07	-7.52E-07	8.66E-07	4.84E-07	-3.82E-07	1.70E-06	9.51E-07	-7.52E-07
5619	479523.6	3850590.9	4.50E-06	2.44E-06	-2.06E-06	1.71E-06	9.52E-07	-7.54E-07	8.67E-07	4.84E-07	-3.83E-07	1.71E-06	9.52E-07	-7.54E-07
5620	479606.7	3850632.6	4.53E-06	2.46E-06	-2.07E-06	1.72E-06	9.59E-07	-7.60E-07	8.74E-07	4.88E-07	-3.87E-07	1.72E-06	9.59E-07	-7.60E-07
5621	479777.4	3850707.6	4.31E-06	2.34E-06	-1.97E-06	1.64E-06	9.13E-07	-7.24E-07	8.32E-07	4.64E-07	-3.68E-07	1.64E-06	9.13E-07	-7.24E-07
5622	479864.9	3850741	4.13E-06	2.24E-06	-1.89E-06	1.56E-06	8.73E-07	-6.92E-07	7.96E-07	4.44E-07	-3.52E-07	1.56E-06	8.73E-07	-6.92E-07
5623	479931.9	3850829.6	5.72E-06	3.10E-06	-2.63E-06	2.17E-06	1.21E-06	-9.64E-07	1.10E-06	6.14E-07	-4.90E-07	2.17E-06	1.21E-06	-9.64E-07
5624	479995.6	3850926.8	1.03E-05	5.54E-06	-4.76E-06	3.91E-06	2.16E-06	-1.75E-06	1.99E-06	1.10E-06	-8.88E-07	3.91E-06	2.16E-06	-1.75E-06
5625	480079.8	3850968.6	1.03E-05	5.54E-06	-4.72E-06	3.89E-06	2.16E-06	-1.73E-06	1.98E-06	1.10E-06	-8.81E-07	3.89E-06	2.16E-06	-1.73E-06
5626	480164	3851010.5	1.03E-05	5.55E-06	-4.70E-06	3.89E-06	2.17E-06	-1.72E-06	1.98E-06	1.10E-06	-8.77E-07	3.89E-06	2.17E-06	-1.72E-06
5627	480248.2	3851052.4	1.02E-05	5.53E-06	-4.65E-06	3.87E-06	2.16E-06	-1.71E-06	1.97E-06	1.10E-06	-8.68E-07	3.87E-06	2.16E-06	-1.71E-06
5628	480332.5	3851094.3	1.03E-05	5.59E-06	-4.68E-06	3.90E-06	2.18E-06	-1.72E-06	1.98E-06	1.11E-06	-8.73E-07	3.90E-06	2.18E-06	-1.72E-06
5629	480416.7	3851136.2	1.05E-05	5.71E-06	-4.77E-06	3.97E-06	2.23E-06	-1.75E-06	2.02E-06	1.13E-06	-8.89E-07	3.97E-06	2.23E-06	-1.75E-06
5630	480580	3851215.2	1.03E-05	5.65E-06	-4.67E-06	3.91E-06	2.20E-06	-1.71E-06	1.99E-06	1.12E-06	-8.71E-07	3.91E-06	2.20E-06	-1.71E-06
5631	480659	3851252.2	1.01E-05	5.53E-06	-4.56E-06	3.83E-06	2.16E-06	-1.67E-06	1.95E-06	1.10E-06	-8.49E-07	3.83E-06	2.16E-06	-1.67E-06
5632	480817.4	3851327.9	9.81E-06	5.41E-06	-4.41E-06	3.72E-06	2.11E-06	-1.61E-06	1.89E-06	1.07E-06	-8.21E-07	3.72E-06	2.11E-06	-1.61E-06
5633	480896.7	3851366.4	9.74E-06	5.38E-06	-4.36E-06	3.69E-06	2.10E-06	-1.60E-06	1.88E-06	1.07E-06	-8.13E-07	3.69E-06	2.10E-06	-1.60E-06
5634	480976.1	3851405	9.66E-06	5.34E-06	-4.32E-06	3.66E-06	2.08E-06	-1.58E-06	1.86E-06	1.06E-06	-8.04E-07	3.66E-06	2.08E-06	-1.58E-06
5635	481178	3851487.3	7.77E-06	4.30E-06	-3.47E-06	2.95E-06	1.68E-06	-1.27E-06	1.50E-06	8.52E-07	-6.47E-07	2.95E-06	1.68E-06	-1.27E-06
5636	481244.9	3851557.2	9.70E-06	5.33E-06	-4.37E-06	3.68E-06	2.08E-06	-1.60E-06	1.87E-06	1.06E-06	-8.14E-07	3.68E-06	2.08E-06	-1.60E-06
5637	481311.8	3851627	1.11E-05	6.10E-06	-5.03E-06	4.22E-06	2.38E-06	-1.84E-06	2.15E-06	1.21E-06	-9.37E-07	4.22E-06	2.38E-06	-1.84E-06
5638	481378.7	3851696.9	1.07E-05	5.85E-06	-4.85E-06	4.06E-06	2.28E-06	-1.78E-06	2.07E-06	1.16E-06	-9.04E-07	4.06E-06	2.28E-06	-1.78E-06

5639	481445.6	3851766.8	1.06E-05	5.79E-06	-4.79E-06	4.01E-06	2.26E-06	-1.76E-06	2.04E-06	1.15E-06	-8.93E-07	4.01E-06	2.26E-06	-1.76E-06
5640	481512.5	3851836.6	1.06E-05	5.78E-06	-4.79E-06	4.01E-06	2.25E-06	-1.75E-06	2.04E-06	1.15E-06	-8.92E-07	4.01E-06	2.25E-06	-1.75E-06
5641	481579.4	3851906.5	1.05E-05	5.74E-06	-4.75E-06	3.98E-06	2.24E-06	-1.74E-06	2.03E-06	1.14E-06	-8.86E-07	3.98E-06	2.24E-06	-1.74E-06
5642	481646.3	3851976.3	1.06E-05	5.79E-06	-4.80E-06	4.02E-06	2.26E-06	-1.76E-06	2.04E-06	1.15E-06	-8.94E-07	4.02E-06	2.26E-06	-1.76E-06
5643	481713.2	3852046.2	1.05E-05	5.75E-06	-4.76E-06	3.99E-06	2.24E-06	-1.75E-06	2.03E-06	1.14E-06	-8.88E-07	3.99E-06	2.24E-06	-1.75E-06
5644	481780.1	3852116.1	1.06E-05	5.80E-06	-4.80E-06	4.02E-06	2.26E-06	-1.76E-06	2.05E-06	1.15E-06	-8.95E-07	4.02E-06	2.26E-06	-1.76E-06
5645	481847	3852185.9	1.08E-05	5.88E-06	-4.87E-06	4.08E-06	2.29E-06	-1.79E-06	2.07E-06	1.17E-06	-9.08E-07	4.08E-06	2.29E-06	-1.79E-06
5646	481913.9	3852255.8	1.08E-05	5.92E-06	-4.91E-06	4.11E-06	2.31E-06	-1.80E-06	2.09E-06	1.18E-06	-9.14E-07	4.11E-06	2.31E-06	-1.80E-06
5647	481980.8	3852325.7	1.10E-05	5.99E-06	-4.97E-06	4.16E-06	2.34E-06	-1.82E-06	2.11E-06	1.19E-06	-9.26E-07	4.16E-06	2.34E-06	-1.82E-06
5648	482047.7	3852395.5	1.10E-05	6.01E-06	-4.97E-06	4.17E-06	2.35E-06	-1.82E-06	2.12E-06	1.19E-06	-9.27E-07	4.17E-06	2.35E-06	-1.82E-06
5649	482114.6	3852465.4	1.10E-05	6.02E-06	-4.98E-06	4.17E-06	2.35E-06	-1.83E-06	2.12E-06	1.19E-06	-9.28E-07	4.17E-06	2.35E-06	-1.83E-06
5650	482181.5	3852535.2	1.11E-05	6.10E-06	-5.05E-06	4.23E-06	2.38E-06	-1.85E-06	2.15E-06	1.21E-06	-9.41E-07	4.23E-06	2.38E-06	-1.85E-06
5651	482338.7	3852700	1.14E-05	6.24E-06	-5.17E-06	4.33E-06	2.43E-06	-1.89E-06	2.20E-06	1.24E-06	-9.63E-07	4.33E-06	2.43E-06	-1.89E-06
5652	482404.1	3852767.8	1.13E-05	6.19E-06	-5.13E-06	4.29E-06	2.42E-06	-1.88E-06	2.18E-06	1.23E-06	-9.55E-07	4.29E-06	2.42E-06	-1.88E-06
5653	482469.4	3852835.5	1.14E-05	6.23E-06	-5.16E-06	4.32E-06	2.43E-06	-1.89E-06	2.20E-06	1.24E-06	-9.62E-07	4.32E-06	2.43E-06	-1.89E-06
5654	482534.8	3852903.3	1.14E-05	6.22E-06	-5.16E-06	4.32E-06	2.43E-06	-1.89E-06	2.20E-06	1.23E-06	-9.62E-07	4.32E-06	2.43E-06	-1.89E-06
5655	482600.1	3852971	1.11E-05	6.08E-06	-5.02E-06	4.21E-06	2.37E-06	-1.84E-06	2.14E-06	1.21E-06	-9.36E-07	4.21E-06	2.37E-06	-1.84E-06
5656	482706.7	3853119.3	8.99E-06	4.95E-06	-4.04E-06	3.41E-06	1.93E-06	-1.48E-06	1.73E-06	9.82E-07	-7.52E-07	3.41E-06	1.93E-06	-1.48E-06
5657	482748	3853199.8	9.13E-06	5.02E-06	-4.10E-06	3.46E-06	1.96E-06	-1.50E-06	1.76E-06	9.96E-07	-7.65E-07	3.46E-06	1.96E-06	-1.50E-06
5658	482789.2	3853280.4	8.62E-06	4.77E-06	-3.84E-06	3.27E-06	1.86E-06	-1.41E-06	1.66E-06	9.47E-07	-7.16E-07	3.27E-06	1.86E-06	-1.41E-06
5659	482830.5	3853361	7.27E-06	4.15E-06	-3.12E-06	2.76E-06	1.62E-06	-1.14E-06	1.40E-06	8.23E-07	-5.79E-07	2.76E-06	1.62E-06	-1.14E-06
5660	482871.7	3853441.5	6.24E-06	3.66E-06	-2.58E-06	2.37E-06	1.43E-06	-9.40E-07	1.20E-06	7.26E-07	-4.78E-07	2.37E-06	1.43E-06	-9.40E-07
5661	482913	3853522.1	5.44E-06	3.32E-06	-2.12E-06	2.07E-06	1.30E-06	-7.70E-07	1.05E-06	6.59E-07	-3.92E-07	2.07E-06	1.30E-06	-7.70E-07
5662	482954.2	3853602.6	4.48E-06	2.97E-06	-1.51E-06	1.70E-06	1.16E-06	-5.40E-07	8.64E-07	5.90E-07	-2.74E-07	1.70E-06	1.16E-06	-5.40E-07
5663	482995.5	3853683.2	3.75E-06	2.70E-06	-1.05E-06	1.42E-06	1.05E-06	-3.68E-07	7.23E-07	5.36E-07	-1.87E-07	1.42E-06	1.05E-06	-3.68E-07
5664	483036.7	3853763.8	3.22E-06	2.50E-06	-7.19E-07	1.22E-06	9.74E-07	-2.46E-07	6.20E-07	4.95E-07	-1.25E-07	1.22E-06	9.74E-07	-2.46E-07
5665	483214.2	3853909.9	1.81E-06	1.40E-06	-4.10E-07	6.85E-07	5.45E-07	-1.41E-07	3.49E-07	2.77E-07	-7.15E-08	6.85E-07	5.45E-07	-1.41E-07
5666	483307	3853910.4	1.50E-06	1.11E-06	-3.91E-07	5.70E-07	4.34E-07	-1.37E-07	2.90E-07	2.21E-07	-6.94E-08	5.70E-07	4.34E-07	-1.37E-07
5667	483399.8	3853911	1.28E-06	9.25E-07	-3.54E-07	4.85E-07	3.61E-07	-1.25E-07	2.47E-07	1.83E-07	-6.34E-08	4.85E-07	3.61E-07	-1.25E-07
5668	483494.5	3854009.2	1.15E-06	9.50E-07	-1.98E-07	4.35E-07	3.70E-07	-6.48E-08	2.21E-07	1.88E-07	-3.30E-08	4.35E-07	3.70E-07	-6.48E-08
5669	483496.4	3854107	1.17E-06	1.25E-06	8.01E-08	4.45E-07	4.89E-07	4.37E-08	2.27E-07	2.49E-07	2.22E-08	4.45E-07	4.89E-07	4.37E-08
5670	483577.6	3854262	1.05E-06	2.01E-06	9.59E-07	4.00E-07	7.85E-07	3.85E-07	2.03E-07	3.99E-07	1.96E-07	4.00E-07	7.85E-07	3.85E-07
5671	483656.8	3854319.2	9.49E-07	2.10E-06	1.15E-06	3.60E-07	8.18E-07	4.58E-07	1.83E-07	4.16E-07	2.33E-07	3.60E-07	8.18E-07	4.58E-07
5672	483736.1	3854376.4	8.64E-07	2.19E-06	1.32E-06	3.28E-07	8.54E-07	5.26E-07	1.67E-07	4.34E-07	2.67E-07	3.28E-07	8.54E-07	5.26E-07
5673	483815.4	3854433.6	7.97E-07	2.32E-06	1.52E-06	3.02E-07	9.04E-07	6.01E-07	1.54E-07	4.59E-07	3.06E-07	3.02E-07	9.04E-07	6.01E-07
5674	483894.6	3854490.9	7.41E-07	2.47E-06	1.72E-06	2.81E-07	9.62E-07	6.81E-07	1.43E-07	4.89E-07	3.46E-07	2.81E-07	9.62E-07	6.81E-07
5675	483973.9	3854548.1	6.98E-07	2.62E-06	1.92E-06	2.65E-07	1.02E-06	7.58E-07	1.35E-07	5.20E-07	3.85E-07	2.65E-07	1.02E-06	7.58E-07
5676	484053.2	3854605.3	6.72E-07	2.87E-06	2.20E-06	2.55E-07	1.12E-06	8.66E-07	1.30E-07	5.70E-07	4.40E-07	2.55E-07	1.12E-06	8.66E-07
5677	484215	3854698.2	6.30E-07	2.95E-06	2.32E-06	2.39E-07	1.15E-06	9.11E-07	1.22E-07	5.85E-07	4.63E-07	2.39E-07	1.15E-06	9.11E-07
5678	484297.5	3854733.7	6.23E-07	2.99E-06	2.37E-06	2.36E-07	1.17E-06	9.32E-07	1.20E-07	5.94E-07	4.74E-07	2.36E-07	1.17E-06	9.32E-07
5679	484380	3854769.3	6.07E-07	2.94E-06	2.33E-06	2.30E-07	1.15E-06	9.16E-07	1.17E-07	5.83E-07	4.66E-07	2.30E-07	1.15E-06	9.16E-07
5680	484462.6	3854804.9	6.03E-07	2.92E-06	2.32E-06	2.29E-07	1.14E-06	9.11E-07	1.16E-07	5.80E-07	4.63E-07	2.29E-07	1.14E-06	9.11E-07
5681	484545.1	3854840.5	5.87E-07	2.81E-06	2.22E-06	2.23E-07	1.10E-06	8.74E-07	1.13E-07	5.58E-07	4.44E-07	2.23E-07	1.10E-06	8.74E-07
5682	484691.9	3854912.6	5.88E-07	2.95E-06	2.36E-06	2.23E-07	1.15E-06	9.27E-07	1.13E-07	5.85E-07	4.71E-07	2.23E-07	1.15E-06	9.27E-07
5683	484830.8	3855012.5	5.96E-07	2.52E-06	1.92E-06	2.26E-07	9.82E-07	7.55E-07	1.15E-07	4.99E-07	3.84E-07	2.26E-07	9.82E-07	7.55E-07
5684	484905.5	3855076	6.19E-07	2.34E-06	1.73E-06	2.35E-07	9.14E-07	6.80E-07	1.19E-07	4.65E-07	3.46E-07	2.35E-07	9.14E-07	6.80E-07
5685	484980.1	3855139.4	6.32E-07	2.23E-06	1.60E-06	2.40E-07	8.71E-07	6.31E-07	1.22E-07	4.43E-07	3.21E-07	2.40E-07	8.71E-07	6.31E-07
5686	485054.8	3855202.9	6.37E-07	2.12E-06	1.48E-06	2.42E-07	8.27E-07	5.86E-07	1.23E-07	4.21E-07	2.98E-07	2.42E-07	8.27E-07	5.86E-07
5687	485129.5	3855266.4	6.30E-07	1.98E-06	1.35E-06	2.39E-07	7.71E-07	5.32E-07	1.21E-07	3.92E-07	2.71E-07	2.39E-07	7.71E-07	5.32E-07
5688	485204.2	3855329.8	6.44E-07	1.95E-06	1.31E-06	2.44E-07	7.62E-07	5.17E-07	1.24E-07	3.87E-07	2.63E-07	2.44E-07	7.62E-07	5.17E-07
5689	485278.8	3855393.3	6.47E-07	1.87E-06	1.22E-06	2.46E-07	7.28E-07	4.82E-07	1.25E-07	3.70E-07	2.45E-07	2.46E-07	7.28E-07	4.82E-07
5690	485353.5	3855456.8	6.57E-07	1.80E-06	1.15E-06	2.49E-07	7.04E-07	4.55E-07	1.27E-07	3.58E-07	2.31E-07	2.49E-07	7.04E-07	4.55E-07
5691	485428.2	3855520.2	6.59E-07	1.73E-06	1.07E-06	2.50E-07	6.73E-07	4.23E-07	1.27E-07	3.42E-07	2.15E-07	2.50E-07	6.73E-07	4.23E-07
5692	485502.8	3855583.7	6.64E-07	1.67E-06	1.00E-06	2.52E-07	6.50E-07	3.98E-07	1.28E-07	3.30E-07	2.02E-07	2.52E-07	6.50E-07	3.98E-07
5693	485577.5	3855647.2	6.78E-07	1.63E-06	9.54E-07	2.57E-07	6.37E-07	3.79E-07	1.31E-07	3.24E-07	1.93E-07	2.57E-07	6.37E-07	3.79E-07
5694	485652.2	3855710.6	6.93E-07	1.60E-06	9.04E-07	2.63E-07	6.23E-07	3.60E-07	1.34E-07	3.17E-07	1.83E-07	2.63E-07	6.23E-07	3.60E-07
5695	485726.8	3855774.1	6.97E-07	1.54E-06	8.44E-07	2.64E-07	6.01E-07	3.37E-07	1.34E-07	3.06E-07	1.71E-07	2.64E-07	6.01E-07	3.37E-07
5696	485801.5	3855837.6	6.95E-07	1.48E-06	7.85E-07	2.64E-07	5.77E-07	3.13E-07	1.34E-07	2.94E-07	1.59E-07	2.64E-07	5.77E-07	3.13E-07
5697	485876.2	3855901	6.98E-07	1.44E-06	7.44E-07	2.65E-07	5.63E-07	2.98E-07	1.35E-07	2.86E-07	1.51E-07	2.65E-07	5.63E-07	2.98E-07
5698	485950.8	3855964.5	6.98E-07	1.40E-06	7.05E-07	2.65E-07	5.47E-07	2.82E-07	1.35E-07	2.78E-07	1.44E-07	2.65E-07	5.47E-07	2.82E-07
5699	486025.5	3856028	6.90E-07	1.35E-06	6.61E-07	2.62E-07	5.27E-07	2.65E-07	1.33E-07	2.68E-07	1.35E-07	2.62E-07	5.27E-07	2.65E-07
5700	486100.2	3856091.4	7.08E-07	1.35E-06	6.44E-07	2.69E-07	5.28E-07	2.59E-07	1.37E-07	2.68E-07	1.32E-07	2.69E-07	5.28E-07	2.59E-07
5701	486174.8	3856154.9	6.98E-07	1.29E-06	5.95E-07	2.65E-07	5.04E-07	2.40E-07	1.35E-07	2.57E-07	1.22E-07	2.65E-07	5.04E-07	2.40E-07
5702	486249.5	3856218.4	6.74E-07	1.22E-06	5.44E-07	2.56E-07	4.75E-07	2.20E-07	1.30E-07	2.42E-07	1.12E-07	2.56E-07	4.75E-07	2.20E-07
5703	486324.2	3856281.8	6.57E-07	1.18E-06	5.26E-07	2.49E-07	4.62E-07	2.12E-07	1.27E-07	2.35E-07	1.08E-07	2.49E-07	4.62E-07	2.12E-07
5704	486398.8	3856345.3	6.65E-07	1.20E-06	5.31E-07	2.52E-07	4.67E-07	2.14E-07	1.28E-07	2.37E-07	1.09E-07	2.52E-07	4.67E-07	2.14E-07
5705	486473.5	3856408.8	6.67E-07	1.18E-06	5.11E-07	2.53E-07	4.59E-07	2.06E-07	1.29E-07	2.34E-07	1.05E-07	2.53E-07	4.59E-07	2.06E-07
5706	486548.2	3856472.2	6.76E-07	1.17E-06	4.96E-07	2.56E-07	4.57E-07	2.01E-07	1.30E-07	2.32E-07	1.02E-07	2.56E-07	4.57E-07	2.01E-07
5707	486622.8	3856535.7	6.85E-07	1.16E-06	4.74E-07	2.60E-07	4.52E-07	1.92E-07	1.32E-07	2.30E-07	9.77E-08	2.60E-07	4.52E-07	1.92E-07
5708	486765.5	3856659.7	7.13E-07	1.13E-06	4.13E-07	2.70E-07	4.39E-07	1.69E-07	1.38E-07	2.23E-07	8.57E-08	2.70E-07	4.39E-07	1.69E-07
5709	486833.4	3856720.2	7.24E-07	1.12E-06	3.92E-07	2.75E-07	4.35E-07	1.60E-07	1.40E-07	2.21E-07	8.16E-08	2.75E-07	4.35E-07	1.60E-07
5710	486901.4	3856780.7	7.39E-07	1.11E-06	3.66E-07	2.81E-07	4.31E-07	1.51E-07	1.43E-07	2.19E-07	7.67E-08	2.81E-07	4.31E-07	1.51E-07
5711	486969.4	3856841.2	7.53E-07	1.10E-06	3.46E-07	2.86E-07	4.29E-07	1.43E-07	1.45E-07	2.18E-07	7.27E-08	2.86E-07	4.29E-07	1.43E-07
5712	487037.3	3856901.8	7.66E-07	1.09E-06	3.27E-07	2.91E-07	4.26E-07	1.36E-07	1.48E-07	2.17E-07	6.90E-08	2.91E-07	4.26E-07	1.36E-07
5713	487271.2	3856855.5	6.79E-07	6.77E-07	-1.79E-09	2.57E-07	2.64E-07	6.53E-09	1.31E-07	1.34E-07	3.32E-09	2.57E-07	2.64E-07	6.53E-09
5714	487369	3856857.3	6.57E-07	6.09E-07	-4.78E-08	2.49E-07	2.38E-07	-1.16E-08	1.27E-07	1.21E-07	-5.92E-09	2.49E-07	2.38E-07	-1.16E-08
5715	487466.7	3856859.1	6.39E-07	5.57E-07	-8.21E-08	2.43E-07	2.17E-07	-2.52E-08	1.23E-07	1.11E-07	-1.28E-08	2.43E-07	2.17E-07	-2.52E-08
5716	487636.4	3856930	6.34E-07	5.19E-07	-1.14E-07	2.40E-07	2.02E-07	-3.79E-08	1.22E-07	1.03E-07	-1.93E-08	2.40E-07	2.02E-07	-3.79E-08
5717	487709.6	3856928.4	6.21E-07	4.92E-07	-1.29E-07	2.36E-07	1.92E-07	-4.38E-08	1.20E-07	9.75E-08	-2.23E-08	2.36E-07	1.92E-07	-4.38E-08
5718	487782.6	3856842	5.80E-07	4.39E-07	-1.41E-07	2.20E-07	1.71E-07	-4.87E-08	1.12E-07	8.71E-08	-2.47E-08	2.20E-07	1.71E-07	-4.87E-08
5719	487849.8	3856754.7	5.45E-07	4.00E-07	-1.46E-07	2.07E-07	1.56E-07	-5.11E-08	1.05E-07	7.93E-08	-2.60E-08	2.07E-07	1.56E-07	-5.11E-08
5720	487918	3856819.4	5.57E-07	4.03E-07	-1.54E-07	2.11E-07	1.57E-07	-5.42E-08	1.07E-07	7.99E-08	-2.76E-08	2.11E-07	1.57E-07	-5.42E-08
5721	487918.8	3856886.4	5.77E-07	4.20E-07	-1.57E-07	2.19E-07	1.64E-07	-5.51E-08	1.11E-07	8.34E-08	-2.80E-08	2.19E-07	1.64E-07	-5.51E-08
5722	488065.5	3857127.5	6.30E-07	4.57E-07	-1.74E-07	2.39E-07	1.78E-07	-6.11E-08	1.22E-07	9.06E-08	-3.10E-08	2.39E-07	1.78E-07	-6.11E-08
5723	488192.2	3857385.8	7.28E-07	5.20E-07	-2.08E-07	2.76E-07	2.03E-07	-7.32E-08	1.40E-07	1.03E-07	-3.72E-08	2.76E-07	2.03E-07	-7.32E-08
5724	488191.2	3857473.9	7.82E-07	5.65E-07	-2.17E-07	2.97E-07	2.20E-07	-7.63E-08	1.51E-07	1.12E-07	-3.88E-08	2.97E-07	2.20E-07	-7.63E-08
5725	488190.2	3857561.9	8.46E-07	6.20E-07	-2.26E-07	3.21E-07	2.42E-07	-7.90E-08	1.63E-07	1.23E-07	-4.02E-08	3.21E-07	2.42E-07	-7.90E-08
5726	488158.4	3857691.1	9.70E-07	7.50E-07	-2.19E-07	3.68E-07	2.93E-07	-7.53E-08	1.87E-07	1.49E-07	-3.83E-08	3.68E-07	2.93E-07	-7.53E-08
5727	488208.4	3857816.7	1.08E-06	8.50E-07	-2.34E-07	4.12E-07	3.32E-07	-7.99E-08	2.09E-07	1.69E-07	-4.06E-08	4.12E-07	3.32E-07	-7.99E-08
5728	488272	3857874.6	1.12E-06	8.58E-07	-2.65E-07	4.26E-07	3.35E-07	-9.15E-08	2.17E-07	1.70E-07	-4.65E-08	4.26E-07	3.35E-07	-9.15E-08
5729	488463.6	3857942.3	1.10E-06	7.62E-07	-3.40E-07	4.18E-07	2.97E-07	-1.21E-07	2.13E-07	1.51E-07	-6.15E-08	4.18E-07	2.97E-07	-1.21E-07
5730	488554.8	3857940.8	1.05E-06	6.96E-07	-3.51E-07	3.97E-07	2.71E-07	-1.26E-07	2.02E-07	1.38E-07	-6.40E-08	3.97E-07	2.71E-07	-1.26E-07
5731	488646.1	3857939.4	9.98E-07	6.42E-07	-3.56E-07	3.79E-07	2.51E-07	-1.28E-07	1.93E-07	1.27E-07	-6.52E-08	3.79E-07	2.51E-07	-1.28E-07
5732	488737.4	3857937.9	9.53E-07	5.98E-07	-3.55E-07	3.62E-07	2.33E-07	-1.28E-07	1.84E-07	1.19E-07	-6.53E-08	3.62E-07	2.33E-07	-1.28E-07

5733	488733.6	3857960.6	9.76E-07	6.13E-07	-3.63E-07	3.70E-07	2.39E-07	-1.31E-07	1.88E-07	1.22E-07	-6.67E-08	3.70E-07	2.39E-07	-1.31E-07
5734	488638.1	3857961.6	1.03E-06	6.62E-07	-3.63E-07	3.89E-07	2.58E-07	-1.31E-07	1.98E-07	1.31E-07	-6.64E-08	3.89E-07	2.58E-07	-1.31E-07
5735	488542.6	3857962.6	1.08E-06	7.24E-07	-3.57E-07	4.10E-07	2.82E-07	-1.28E-07	2.09E-07	1.44E-07	-6.50E-08	4.10E-07	2.82E-07	-1.28E-07
5736	488447.1	3857963.6	1.14E-06	7.99E-07	-3.42E-07	4.33E-07	3.12E-07	-1.21E-07	2.20E-07	1.58E-07	-6.16E-08	4.33E-07	3.12E-07	-1.21E-07
5737	488254.3	3857890.4	1.16E-06	9.03E-07	-2.55E-07	4.39E-07	3.52E-07	-8.72E-08	2.23E-07	1.79E-07	-4.43E-08	4.39E-07	3.52E-07	-8.72E-08
5738	488191.7	3857833.1	1.12E-06	8.93E-07	-2.22E-07	4.23E-07	3.48E-07	-7.46E-08	2.15E-07	1.77E-07	-3.79E-08	4.23E-07	3.48E-07	-7.46E-08
5739	488129.5	3857907.4	1.28E-06	1.15E-06	-1.29E-07	4.86E-07	4.49E-07	-3.66E-08	2.47E-07	2.28E-07	-1.86E-08	4.86E-07	4.49E-07	-3.66E-08
5740	488196.5	3857968.7	1.34E-06	1.16E-06	-1.77E-07	5.08E-07	4.54E-07	-5.47E-08	2.59E-07	2.31E-07	-2.78E-08	5.08E-07	4.54E-07	-5.47E-08
5741	488263.4	3858030	1.40E-06	1.17E-06	-2.30E-07	5.32E-07	4.57E-07	-7.49E-08	2.70E-07	2.32E-07	-3.81E-08	5.32E-07	4.57E-07	-7.49E-08
5742	488400.6	3858132.9	1.49E-06	1.14E-06	-3.47E-07	5.64E-07	4.45E-07	-1.19E-07	2.87E-07	2.26E-07	-6.08E-08	5.64E-07	4.45E-07	-1.19E-07
5743	488519.9	3858218.4	1.59E-06	1.15E-06	-4.46E-07	6.04E-07	4.48E-07	-1.57E-07	3.07E-07	2.28E-07	-7.98E-08	6.04E-07	4.48E-07	-1.57E-07
5744	488648	3858215	1.42E-06	9.41E-07	-4.81E-07	5.39E-07	3.67E-07	-1.72E-07	2.74E-07	1.87E-07	-8.76E-08	5.39E-07	3.67E-07	-1.72E-07
5745	488727.1	3858167.7	1.25E-06	7.96E-07	-4.56E-07	4.75E-07	3.11E-07	-1.64E-07	2.42E-07	1.58E-07	-8.37E-08	4.75E-07	3.11E-07	-1.64E-07
5746	488806.1	3858120.4	1.12E-06	6.94E-07	-4.27E-07	4.25E-07	2.71E-07	-1.54E-07	2.16E-07	1.38E-07	-7.86E-08	4.25E-07	2.71E-07	-1.54E-07
5747	488885.2	3858073	1.02E-06	6.16E-07	-3.99E-07	3.85E-07	2.40E-07	-1.45E-07	1.96E-07	1.22E-07	-7.36E-08	3.85E-07	2.40E-07	-1.45E-07
5748	489055.8	3857991.2	8.60E-07	5.07E-07	-3.52E-07	3.26E-07	1.98E-07	-1.28E-07	1.66E-07	1.01E-07	-6.52E-08	3.26E-07	1.98E-07	-1.28E-07
5749	489245.4	3857944.5	7.59E-07	4.40E-07	-3.19E-07	2.88E-07	1.72E-07	-1.16E-07	1.46E-07	8.72E-08	-5.92E-08	2.88E-07	1.72E-07	-1.16E-07
5750	489430.6	3857930.9	7.02E-07	4.00E-07	-3.02E-07	2.66E-07	1.56E-07	-1.10E-07	1.35E-07	7.94E-08	-5.60E-08	2.66E-07	1.56E-07	-1.10E-07
5751	489517.7	3857929.4	6.80E-07	3.86E-07	-2.94E-07	2.58E-07	1.50E-07	-1.08E-07	1.31E-07	7.65E-08	-5.47E-08	2.58E-07	1.50E-07	-1.08E-07
5752	489604.9	3857927.8	6.58E-07	3.71E-07	-2.87E-07	2.50E-07	1.45E-07	-1.05E-07	1.27E-07	7.37E-08	-5.34E-08	2.50E-07	1.45E-07	-1.05E-07
5753	489692	3857926.3	6.39E-07	3.59E-07	-2.81E-07	2.43E-07	1.40E-07	-1.03E-07	1.23E-07	7.12E-08	-5.22E-08	2.43E-07	1.40E-07	-1.03E-07
5754	489779.1	3857924.7	6.21E-07	3.47E-07	-2.74E-07	2.36E-07	1.35E-07	-1.00E-07	1.20E-07	6.88E-08	-5.10E-08	2.36E-07	1.35E-07	-1.00E-07
5755	490017.6	3857875.1	5.62E-07	3.12E-07	-2.50E-07	2.13E-07	1.22E-07	-9.16E-08	1.08E-07	6.19E-08	-4.66E-08	2.13E-07	1.22E-07	-9.16E-08
5756	490033.8	3857960.8	5.89E-07	3.24E-07	-2.64E-07	2.23E-07	1.27E-07	-9.67E-08	1.14E-07	6.44E-08	-4.92E-08	2.23E-07	1.27E-07	-9.67E-08
5757	489959.2	3857987.5	6.13E-07	3.38E-07	-2.75E-07	2.33E-07	1.32E-07	-1.01E-07	1.18E-07	6.71E-08	-5.12E-08	2.33E-07	1.32E-07	-1.01E-07
5758	489791.5	3858016.1	6.53E-07	3.63E-07	-2.90E-07	2.48E-07	1.41E-07	-1.06E-07	1.26E-07	7.19E-08	-5.41E-08	2.48E-07	1.41E-07	-1.06E-07
5759	489698.5	3858018.1	6.75E-07	3.77E-07	-2.98E-07	2.56E-07	1.47E-07	-1.09E-07	1.30E-07	7.47E-08	-5.55E-08	2.56E-07	1.47E-07	-1.09E-07
5760	489605.5	3858020	6.99E-07	3.92E-07	-3.07E-07	2.65E-07	1.53E-07	-1.12E-07	1.35E-07	7.78E-08	-5.71E-08	2.65E-07	1.53E-07	-1.12E-07
5761	489512.5	3858022	7.25E-07	4.09E-07	-3.16E-07	2.75E-07	1.59E-07	-1.16E-07	1.40E-07	8.11E-08	-5.88E-08	2.75E-07	1.59E-07	-1.16E-07
5762	489419.6	3858023.9	7.54E-07	4.28E-07	-3.26E-07	2.86E-07	1.67E-07	-1.19E-07	1.45E-07	8.49E-08	-6.06E-08	2.86E-07	1.67E-07	-1.19E-07
5763	489228.5	3858041.3	8.22E-07	4.75E-07	-3.48E-07	3.12E-07	1.85E-07	-1.27E-07	1.59E-07	9.42E-08	-6.45E-08	3.12E-07	1.85E-07	-1.27E-07
5764	489065.8	3858085.8	9.30E-07	5.47E-07	-3.84E-07	3.53E-07	2.13E-07	-1.40E-07	1.79E-07	1.08E-07	-7.11E-08	3.53E-07	2.13E-07	-1.40E-07
5765	489001.1	3858114.9	9.91E-07	5.88E-07	-4.03E-07	3.76E-07	2.29E-07	-1.47E-07	1.91E-07	1.17E-07	-7.46E-08	3.76E-07	2.29E-07	-1.47E-07
5766	488861.9	3858189.8	1.17E-06	7.14E-07	-4.53E-07	4.43E-07	2.78E-07	-1.64E-07	2.25E-07	1.42E-07	-8.36E-08	4.43E-07	2.78E-07	-1.64E-07
5767	488787.3	3858235.7	1.31E-06	8.21E-07	-4.92E-07	4.98E-07	3.20E-07	-1.78E-07	2.53E-07	1.63E-07	-9.05E-08	4.98E-07	3.20E-07	-1.78E-07
5768	488712.7	3858281.6	1.49E-06	9.64E-07	-5.24E-07	5.65E-07	3.76E-07	-1.89E-07	2.87E-07	1.91E-07	-9.59E-08	5.65E-07	3.76E-07	-1.89E-07
5769	488654.4	3858436.2	2.15E-06	1.51E-06	-6.34E-07	8.15E-07	5.91E-07	-2.24E-07	4.15E-07	3.00E-07	-1.14E-07	8.15E-07	5.91E-07	-2.24E-07
5770	488726.3	3858505.3	2.32E-06	1.57E-06	-7.47E-07	8.78E-07	6.12E-07	-2.67E-07	4.47E-07	3.11E-07	-1.36E-07	8.78E-07	6.12E-07	-2.67E-07
5771	488880.6	3858599.3	2.37E-06	1.46E-06	-9.08E-07	9.00E-07	5.71E-07	-3.29E-07	4.58E-07	2.90E-07	-1.67E-07	9.00E-07	5.71E-07	-3.29E-07
5772	489008.1	3858714.8	2.70E-06	1.60E-06	-1.10E-06	1.02E-06	6.23E-07	-4.01E-07	5.21E-07	3.17E-07	-2.04E-07	1.02E-06	6.23E-07	-4.01E-07
5773	489071.5	3858772.7	2.90E-06	1.70E-06	-1.20E-06	1.10E-06	6.63E-07	-4.37E-07	5.60E-07	3.37E-07	-2.22E-07	1.10E-06	6.63E-07	-4.37E-07
5774	489244.6	3858920.2	3.51E-06	1.99E-06	-1.52E-06	1.33E-06	7.75E-07	-5.57E-07	6.77E-07	3.94E-07	-2.83E-07	1.33E-06	7.75E-07	-5.57E-07
5775	489239.7	3858952.2	4.09E-06	2.32E-06	-1.76E-06	1.55E-06	9.06E-07	-6.45E-07	7.89E-07	4.61E-07	-3.28E-07	1.55E-06	9.06E-07	-6.45E-07
5776	489121.7	3858854.5	3.54E-06	2.08E-06	-1.46E-06	1.34E-06	8.10E-07	-5.33E-07	6.83E-07	4.12E-07	-2.71E-07	1.34E-06	8.10E-07	-5.33E-07
5777	489059.6	3858797.3	3.24E-06	1.92E-06	-1.32E-06	1.23E-06	7.49E-07	-4.78E-07	6.24E-07	3.81E-07	-2.43E-07	1.23E-06	7.49E-07	-4.78E-07
5778	488997.5	3858740	2.98E-06	1.78E-06	-1.19E-06	1.13E-06	6.96E-07	-4.34E-07	5.75E-07	3.54E-07	-2.21E-07	1.13E-06	6.96E-07	-4.34E-07
5779	488935.4	3858682.8	2.77E-06	1.68E-06	-1.09E-06	1.05E-06	6.55E-07	-3.95E-07	5.34E-07	3.33E-07	-2.01E-07	1.05E-06	6.55E-07	-3.95E-07
5780	488869.2	3858848.4	7.75E-06	6.27E-06	-1.48E-06	2.94E-06	2.45E-06	-4.95E-07	1.50E-06	1.24E-06	-2.52E-07	2.94E-06	2.45E-06	-4.95E-07
5781	488932.5	3858892.7	8.43E-06	6.44E-06	-2.00E-06	3.20E-06	2.51E-06	-6.89E-07	1.63E-06	1.28E-06	-3.50E-07	3.20E-06	2.51E-06	-6.89E-07
5782	489063.3	3858977.2	9.54E-06	6.34E-06	-3.19E-06	3.62E-06	2.47E-06	-1.14E-06	1.84E-06	1.26E-06	-5.81E-07	3.62E-06	2.47E-06	-1.14E-06
5783	489248.2	3859117.2	1.52E-05	8.97E-06	-6.19E-06	5.75E-06	3.50E-06	-2.25E-06	2.92E-06	1.78E-06	-1.15E-06	5.75E-06	3.50E-06	-2.25E-06
5784	489296.3	3859049.2	5.95E-06	3.35E-06	-2.60E-06	2.26E-06	1.31E-06	-9.51E-07	1.15E-06	6.64E-07	-4.84E-07	2.26E-06	1.31E-06	-9.51E-07
5785	489353.4	3858994	3.73E-06	2.06E-06	-1.67E-06	1.41E-06	8.04E-07	-6.10E-07	7.19E-07	4.09E-07	-3.10E-07	1.41E-06	8.04E-07	-6.10E-07
5786	489537.2	3859120.2	4.17E-06	2.29E-06	-1.88E-06	1.58E-06	8.92E-07	-6.90E-07	8.04E-07	4.53E-07	-3.51E-07	1.58E-06	8.92E-07	-6.90E-07
5787	489727	3859246	4.67E-06	2.55E-06	-2.11E-06	1.77E-06	9.96E-07	-7.74E-07	9.00E-07	5.07E-07	-3.94E-07	1.77E-06	9.96E-07	-7.74E-07
5788	489911.5	3859366.3	5.17E-06	2.84E-06	-2.33E-06	1.96E-06	1.11E-06	-8.53E-07	9.97E-07	5.63E-07	-4.34E-07	1.96E-06	1.11E-06	-8.53E-07
5789	490035.3	3859430.3	5.13E-06	2.82E-06	-2.31E-06	1.95E-06	1.10E-06	-8.48E-07	9.90E-07	5.59E-07	-4.31E-07	1.95E-06	1.10E-06	-8.48E-07
5790	490101.1	3859458.6	4.97E-06	2.73E-06	-2.24E-06	1.89E-06	1.06E-06	-8.22E-07	9.59E-07	5.41E-07	-4.18E-07	1.89E-06	1.06E-06	-8.22E-07
5791	490312.7	3859560.3	5.38E-06	2.94E-06	-2.43E-06	2.04E-06	1.15E-06	-8.91E-07	1.04E-06	5.84E-07	-4.53E-07	2.04E-06	1.15E-06	-8.91E-07
5792	490401.6	3859603.1	5.71E-06	3.14E-06	-2.57E-06	2.17E-06	1.22E-06	-9.43E-07	1.10E-06	6.23E-07	-4.80E-07	2.17E-06	1.22E-06	-9.43E-07
5793	490490.6	3859645.9	6.06E-06	3.34E-06	-2.72E-06	2.30E-06	1.30E-06	-9.96E-07	1.17E-06	6.63E-07	-5.07E-07	2.30E-06	1.30E-06	-9.96E-07
5794	490579.5	3859688.8	6.39E-06	3.54E-06	-2.86E-06	2.43E-06	1.38E-06	-1.05E-06	1.23E-06	7.02E-07	-5.32E-07	2.43E-06	1.38E-06	-1.05E-06
5795	490668.5	3859731.6	6.58E-06	3.65E-06	-2.92E-06	2.49E-06	1.42E-06	-1.07E-06	1.27E-06	7.25E-07	-5.44E-07	2.49E-06	1.42E-06	-1.07E-06
5796	490757.4	3859774.4	7.14E-06	3.98E-06	-3.16E-06	2.71E-06	1.55E-06	-1.16E-06	1.38E-06	7.90E-07	-5.88E-07	2.71E-06	1.55E-06	-1.16E-06
5797	491003.5	3859861.8	6.20E-06	3.47E-06	-2.73E-06	2.35E-06	1.35E-06	-1.00E-06	1.20E-06	6.88E-07	-5.08E-07	2.35E-06	1.35E-06	-1.00E-06
5798	491081.4	3859879.1	5.49E-06	3.04E-06	-2.45E-06	2.08E-06	1.19E-06	-8.97E-07	1.06E-06	6.03E-07	-4.56E-07	2.08E-06	1.19E-06	-8.97E-07
5799	491229.8	3859917.8	4.44E-06	2.42E-06	-2.02E-06	1.68E-06	9.44E-07	-7.41E-07	8.57E-07	4.80E-07	-3.77E-07	1.68E-06	9.44E-07	-7.41E-07
5800	491300.2	3859939.4	4.04E-06	2.20E-06	-1.84E-06	1.53E-06	8.59E-07	-6.73E-07	7.79E-07	4.37E-07	-3.42E-07	1.53E-06	8.59E-07	-6.73E-07
5801	491350.5	3860012	4.82E-06	2.62E-06	-2.20E-06	1.83E-06	1.02E-06	-8.08E-07	9.31E-07	5.20E-07	-4.11E-07	1.83E-06	1.02E-06	-8.08E-07
5802	491406.8	3860092.6	5.61E-06	3.06E-06	-2.55E-06	2.13E-06	1.19E-06	-9.36E-07	1.08E-06	6.07E-07	-4.76E-07	2.13E-06	1.19E-06	-9.36E-07
5803	491483.4	3860122	4.77E-06	2.62E-06	-2.16E-06	1.81E-06	1.02E-06	-7.90E-07	9.21E-07	5.19E-07	-4.02E-07	1.81E-06	1.02E-06	-7.90E-07
5804	491559.9	3860151.4	4.16E-06	2.29E-06	-1.87E-06	1.58E-06	8.93E-07	-6.84E-07	8.02E-07	4.54E-07	-3.48E-07	1.58E-06	8.93E-07	-6.84E-07
5805	491711.8	3860237.8	3.01E-06	1.67E-06	-1.34E-06	1.14E-06	6.51E-07	-4.91E-07	5.81E-07	3.31E-07	-2.50E-07	1.14E-06	6.51E-07	-4.91E-07
5806	491755.2	3860319.1	4.31E-06	2.41E-06	-1.91E-06	1.64E-06	9.39E-07	-6.98E-07	8.32E-07	4.77E-07	-3.55E-07	1.64E-06	9.39E-07	-6.98E-07
5807	491704.7	3860366.5	6.93E-06	3.90E-06	-3.03E-06	2.63E-06	1.52E-06	-1.11E-06	1.34E-06	7.73E-07	-5.64E-07	2.63E-06	1.52E-06	-1.11E-06
5808	491623.4	3860462.4	7.66E-06	3.94E-06	-3.72E-06	2.91E-06	1.54E-06	-1.37E-06	1.48E-06	7.82E-07	-6.97E-07	2.91E-06	1.54E-06	-1.37E-06
5809	491534	3860439.8	3.16E-06	1.69E-06	-1.47E-06	1.20E-06	6.60E-07	-5.39E-07	6.10E-07	3.36E-07	-2.74E-07	1.20E-06	6.60E-07	-5.39E-07
5810	491314	3860268.2	3.92E-06	2.14E-06	-1.78E-06	1.49E-06	8.34E-07	-6.52E-07	7.56E-07	4.24E-07	-3.32E-07	1.49E-06	8.34E-07	-6.52E-07
5811	491187.1	3860143.6	5.57E-06	3.13E-06	-2.44E-06	2.11E-06	1.22E-06	-8.94E-07	1.08E-06	6.21E-07	-4.54E-07	2.11E-06	1.22E-06	-8.94E-07
5812	491070.4	3860076	4.91E-06	2.71E-06	-2.20E-06	1.86E-06	1.06E-06	-8.07E-07	9.47E-07	5.37E-07	-4.11E-07	1.86E-06	1.06E-06	-8.07E-07
5813	490995.1	3860039.4	4.53E-06	2.50E-06	-2.03E-06	1.72E-06	9.75E-07	-7.45E-07	8.75E-07	4.96E-07	-3.79E-07	1.72E-06	9.75E-07	-7.45E-07
5814	490919.8	3860002.8	4.64E-06	2.51E-06	-2.14E-06	1.76E-06	9.78E-07	-7.84E-07	8.96E-07	4.97E-07	-3.99E-07	1.76E-06	9.78E-07	-7.84E-07
5815	490756.8	3859894.5	1.10E-05	5.74E-06	-5.25E-06	4.17E-06	2.24E-06	-1.93E-06	2.12E-06	1.14E-06	-9.82E-07	4.17E-06	2.24E-06	-1.93E-06
5816	490668.1	3859860.9	1.03E-05	5.42E-06	-4.88E-06	3.91E-06	2.11E-06	-1.79E-06	1.99E-06	1.08E-06	-9.13E-07	3.91E-06	2.11E-06	-1.79E-06
5817	490579.3	3859827.3	1.00E-05	5.30E-06	-4.70E-06	3.79E-06	2.07E-06	-1.73E-06	1.93E-06	1.05E-06	-8.77E-07	3.79E-06	2.07E-06	-1.73E-06
5818	490490.6	3859793.7	9.26E-06	4.95E-06	-4.31E-06	3.51E-06	1.93E-06	-1.58E-06	1.79E-06	9.81E-07	-8.04E-07	3.51E-06	1.93E-06	-1.58E-06
5819	490401.9	3859760.1	8.72E-06	4.69E-06	-4.03E-06	3.31E-06	1.83E-06	-1.48E-06	1.68E-06	9.31E-07	-7.51E-07	3.31E-06	1.83E-06	-1.48E-06
5820	490313.1	3859726.5	8.49E-06	4.60E-06	-3.89E-06	3.22E-06	1.79E-06	-1.43E-06	1.64E-06	9.12E-07	-7.26E-07	3.22E-06	1.79E-06	-1.43E-06
5821	490224.4	3859692.8	8.29E-06	4.52E-06	-3.78E-06	3.15E-06	1.76E-06	-1.38E-06	1.60E-06	8.96E-07	-7.04E-07	3.15E-06	1.76E-06	-1.38E-06
5822	490135.7	3859659.2	8.13E-06	4.45E-06	-3.68E-06	3.08E-06	1.73E-06	-1.35E-06	1.57E-06	8.82E-07	-6.86E-07	3.08E-06	1.73E-06	-1.35E-06
5823	489918.2	3859559.2	8.56E-06	4.60E-06	-3.97E-06	3.25E-06	1.79E-06	-1.46E-06	1.65E-06	9.12E-07	-7.40E-07	3.25E-06	1.79E-06	-1.46E-06
5824	489743.6	3859486	5.66E-06	3.04E-06	-2.63E-06	2.15E-06	1.18E-06	-9.65E-07	1.09E-06	6.02E-07	-4.91E-07	2.15E-06	1.18E-06	-9.65E-07
5825	489660.3	3859440.3	5.66E-06	3.02E-06	-2.63E-06	2.15E-06	1.18E-06	-9.67E-07	1.09E-06	6.00E-07	-4.92E-07	2.15E-06	1.18E-06	-9.67E-07
5826	489577	3859394.5	5.66E-06	3.01E-06	-2.64E-06	2.15E-06	1.18E-06	-9.71E-07	1.09E-06	5.98E-07	-4.94E-07	2.15E-06	1.18E-06	-9.71E-07

5827	489493.8	3859348.8	5.63E-06	2.99E-06	-2.64E-06	2.14E-06	1.16E-06	-9.71E-07	1.09E-06	5.92E-07	-4.94E-07	2.14E-06	1.16E-06	-9.71E-07
5828	489321.3	3859240	7.11E-06	3.61E-06	-3.50E-06	2.70E-06	1.41E-06	-1.29E-06	1.37E-06	7.15E-07	-6.57E-07	2.70E-06	1.41E-06	-1.29E-06
5829	489235.4	3859194	7.03E-06	3.48E-06	-3.55E-06	2.67E-06	1.36E-06	-1.31E-06	1.36E-06	6.91E-07	-6.65E-07	2.67E-06	1.36E-06	-1.31E-06
5830	489149.5	3859147.9	6.69E-06	3.24E-06	-3.45E-06	2.54E-06	1.26E-06	-1.27E-06	1.29E-06	6.42E-07	-6.48E-07	2.54E-06	1.26E-06	-1.27E-06
5831	489063.7	3859101.8	6.65E-06	3.06E-06	-3.59E-06	2.52E-06	1.19E-06	-1.33E-06	1.28E-06	6.08E-07	-6.76E-07	2.52E-06	1.19E-06	-1.33E-06
5832	488977.8	3859055.8	6.60E-06	2.87E-06	-3.73E-06	2.50E-06	1.12E-06	-1.39E-06	1.27E-06	5.69E-07	-7.04E-07	2.50E-06	1.12E-06	-1.39E-06
5833	488891.9	3859009.7	6.37E-06	2.65E-06	-3.72E-06	2.42E-06	1.03E-06	-1.38E-06	1.23E-06	5.25E-07	-7.04E-07	2.42E-06	1.03E-06	-1.38E-06
5834	488808	3859060.7	2.22E-06	1.04E-06	-1.18E-06	8.43E-07	4.06E-07	-4.37E-07	4.29E-07	2.07E-07	-2.22E-07	8.43E-07	4.06E-07	-4.37E-07
5835	488809.9	3859157.9	1.34E-06	6.65E-07	-6.72E-07	5.07E-07	2.59E-07	-2.48E-07	2.58E-07	1.32E-07	-1.26E-07	5.07E-07	2.59E-07	-2.48E-07
5836	488811.9	3859255	9.65E-07	4.93E-07	-4.72E-07	3.66E-07	1.92E-07	-1.74E-07	1.86E-07	9.78E-08	-8.84E-08	3.66E-07	1.92E-07	-1.74E-07
5837	488813.8	3859352.1	7.62E-07	3.95E-07	-3.67E-07	2.89E-07	1.54E-07	-1.35E-07	1.47E-07	7.84E-08	-6.86E-08	2.89E-07	1.54E-07	-1.35E-07
5838	488815.7	3859449.2	6.35E-07	3.32E-07	-3.03E-07	2.41E-07	1.30E-07	-1.11E-07	1.23E-07	6.59E-08	-5.66E-08	2.41E-07	1.30E-07	-1.11E-07
5839	488910	3859547.1	5.87E-07	3.10E-07	-2.77E-07	2.23E-07	1.21E-07	-1.02E-07	1.13E-07	6.14E-08	-5.18E-08	2.23E-07	1.21E-07	-1.02E-07
5840	489002.5	3859547.9	6.37E-07	3.37E-07	-3.00E-07	2.42E-07	1.32E-07	-1.10E-07	1.23E-07	6.69E-08	-5.60E-08	2.42E-07	1.32E-07	-1.10E-07
5841	489094.9	3859548.7	6.99E-07	3.71E-07	-3.28E-07	2.65E-07	1.45E-07	-1.20E-07	1.35E-07	7.37E-08	-6.12E-08	2.65E-07	1.45E-07	-1.20E-07
5842	489230.1	3859601.9	7.27E-07	3.88E-07	-3.39E-07	2.76E-07	1.51E-07	-1.24E-07	1.40E-07	7.70E-08	-6.32E-08	2.76E-07	1.51E-07	-1.24E-07
5843	489227.5	3859680.9	6.25E-07	3.34E-07	-2.91E-07	2.37E-07	1.30E-07	-1.07E-07	1.21E-07	6.63E-08	-5.43E-08	2.37E-07	1.30E-07	-1.07E-07
5844	489133.5	3859760.3	5.14E-07	2.75E-07	-2.40E-07	1.95E-07	1.07E-07	-8.80E-08	9.92E-08	5.45E-08	-4.47E-08	1.95E-07	1.07E-07	-8.80E-08
5845	489042	3859760.7	4.83E-07	2.57E-07	-2.26E-07	1.83E-07	1.00E-07	-8.29E-08	9.31E-08	5.10E-08	-4.21E-08	1.83E-07	1.00E-07	-8.29E-08
5846	488950.5	3859761.1	4.55E-07	2.42E-07	-2.13E-07	1.73E-07	9.42E-08	-7.83E-08	8.78E-08	4.79E-08	-3.98E-08	1.73E-07	9.42E-08	-7.83E-08
5847	488858.9	3859761.4	4.31E-07	2.28E-07	-2.03E-07	1.63E-07	8.90E-08	-7.45E-08	8.31E-08	4.53E-08	-3.79E-08	1.63E-07	8.90E-08	-7.45E-08
5848	488767.4	3859761.8	4.08E-07	2.16E-07	-1.93E-07	1.55E-07	8.42E-08	-7.08E-08	7.88E-08	4.28E-08	-3.60E-08	1.55E-07	8.42E-08	-7.08E-08
5849	488675.9	3859762.2	3.89E-07	2.05E-07	-1.84E-07	1.48E-07	8.01E-08	-6.76E-08	7.51E-08	4.07E-08	-3.44E-08	1.48E-07	8.01E-08	-6.76E-08
5850	488584.4	3859762.6	3.71E-07	1.95E-07	-1.76E-07	1.41E-07	7.62E-08	-6.46E-08	7.16E-08	3.88E-08	-3.28E-08	1.41E-07	7.62E-08	-6.46E-08
5851	488492.9	3859763	3.55E-07	1.87E-07	-1.68E-07	1.35E-07	7.29E-08	-6.19E-08	6.86E-08	3.71E-08	-3.15E-08	1.35E-07	7.29E-08	-6.19E-08
5852	488402.8	3859831	3.26E-07	1.72E-07	-1.54E-07	1.24E-07	6.69E-08	-5.66E-08	6.28E-08	3.40E-08	-2.88E-08	1.24E-07	6.69E-08	-5.66E-08
5853	488404.1	3859898.6	3.12E-07	1.65E-07	-1.47E-07	1.18E-07	6.42E-08	-5.41E-08	6.01E-08	3.26E-08	-2.75E-08	1.18E-07	6.42E-08	-5.41E-08
5854	488505.2	3859965	3.11E-07	1.65E-07	-1.46E-07	1.18E-07	6.42E-08	-5.37E-08	5.99E-08	3.27E-08	-2.73E-08	1.18E-07	6.42E-08	-5.37E-08
5855	488604.8	3859963.8	3.22E-07	1.71E-07	-1.51E-07	1.22E-07	6.66E-08	-5.55E-08	6.21E-08	3.39E-08	-2.82E-08	1.22E-07	6.66E-08	-5.55E-08
5856	488704.5	3859962.6	3.35E-07	1.78E-07	-1.57E-07	1.27E-07	6.94E-08	-5.77E-08	6.46E-08	3.53E-08	-2.93E-08	1.27E-07	6.94E-08	-5.77E-08
5857	488804.2	3859961.4	3.50E-07	1.86E-07	-1.64E-07	1.33E-07	7.26E-08	-6.02E-08	6.75E-08	3.69E-08	-3.06E-08	1.33E-07	7.26E-08	-6.02E-08
5858	488903.9	3859960.2	3.67E-07	1.95E-07	-1.71E-07	1.39E-07	7.61E-08	-6.29E-08	7.07E-08	3.87E-08	-3.20E-08	1.39E-07	7.61E-08	-6.29E-08
5859	489003.5	3859959	3.84E-07	2.05E-07	-1.79E-07	1.46E-07	7.99E-08	-6.58E-08	7.41E-08	4.06E-08	-3.35E-08	1.46E-07	7.99E-08	-6.58E-08
5860	489103.2	3859957.8	4.04E-07	2.16E-07	-1.88E-07	1.53E-07	8.42E-08	-6.90E-08	7.79E-08	4.28E-08	-3.51E-08	1.53E-07	8.42E-08	-6.90E-08
5861	489201.5	3860046.6	3.90E-07	2.09E-07	-1.81E-07	1.48E-07	8.16E-08	-6.65E-08	7.53E-08	4.15E-08	-3.38E-08	1.48E-07	8.16E-08	-6.65E-08
5862	489200.1	3860136.6	3.62E-07	1.94E-07	-1.68E-07	1.37E-07	7.56E-08	-6.15E-08	6.98E-08	3.85E-08	-3.13E-08	1.37E-07	7.56E-08	-6.15E-08
5863	489198.7	3860226.6	3.39E-07	1.82E-07	-1.57E-07	1.28E-07	7.09E-08	-5.76E-08	6.53E-08	3.60E-08	-2.93E-08	1.28E-07	7.09E-08	-5.76E-08
5864	489197.4	3860316.7	3.19E-07	1.71E-07	-1.48E-07	1.21E-07	6.68E-08	-5.42E-08	6.15E-08	3.40E-08	-2.75E-08	1.21E-07	6.68E-08	-5.42E-08
5865	489196	3860406.7	3.00E-07	1.62E-07	-1.39E-07	1.14E-07	6.30E-08	-5.09E-08	5.80E-08	3.20E-08	-2.59E-08	1.14E-07	6.30E-08	-5.09E-08
5866	489194.6	3860496.7	2.81E-07	1.51E-07	-1.30E-07	1.07E-07	5.91E-08	-4.77E-08	5.43E-08	3.00E-08	-2.43E-08	1.07E-07	5.91E-08	-4.77E-08
5867	489193.3	3860586.7	2.64E-07	1.42E-07	-1.22E-07	1.00E-07	5.55E-08	-4.46E-08	5.09E-08	2.82E-08	-2.27E-08	1.00E-07	5.55E-08	-4.46E-08
5868	489092	3860678.1	2.41E-07	1.30E-07	-1.11E-07	9.16E-08	5.07E-08	-4.09E-08	4.66E-08	2.58E-08	-2.08E-08	9.16E-08	5.07E-08	-4.09E-08
5869	488992.1	3860679.5	2.35E-07	1.26E-07	-1.08E-07	8.90E-08	4.92E-08	-3.98E-08	4.53E-08	2.50E-08	-2.02E-08	8.90E-08	4.92E-08	-3.98E-08
5870	488892.2	3860680.9	2.29E-07	1.23E-07	-1.06E-07	8.70E-08	4.80E-08	-3.90E-08	4.42E-08	2.44E-08	-1.98E-08	8.70E-08	4.80E-08	-3.90E-08
5871	488792.4	3860682.3	2.24E-07	1.20E-07	-1.04E-07	8.49E-08	4.67E-08	-3.82E-08	4.32E-08	2.38E-08	-1.94E-08	8.49E-08	4.67E-08	-3.82E-08
5872	488692.5	3860683.7	2.19E-07	1.17E-07	-1.02E-07	8.30E-08	4.56E-08	-3.74E-08	4.22E-08	2.32E-08	-1.90E-08	8.30E-08	4.56E-08	-3.74E-08
5873	488592.6	3860685.1	2.14E-07	1.14E-07	-9.98E-08	8.12E-08	4.45E-08	-3.66E-08	4.13E-08	2.26E-08	-1.86E-08	8.12E-08	4.45E-08	-3.66E-08
5874	488492.7	3860686.5	2.10E-07	1.12E-07	-9.81E-08	7.96E-08	4.36E-08	-3.60E-08	4.05E-08	2.22E-08	-1.83E-08	7.96E-08	4.36E-08	-3.60E-08
5875	488299.1	3860762.2	1.97E-07	1.05E-07	-9.25E-08	7.48E-08	4.09E-08	-3.40E-08	3.81E-08	2.08E-08	-1.73E-08	7.48E-08	4.09E-08	-3.40E-08
5876	488205.3	3860764.1	1.94E-07	1.03E-07	-9.08E-08	7.35E-08	4.01E-08	-3.34E-08	3.74E-08	2.04E-08	-1.70E-08	7.35E-08	4.01E-08	-3.34E-08
5877	488111.6	3860766	1.90E-07	1.01E-07	-8.90E-08	7.19E-08	3.92E-08	-3.27E-08	3.66E-08	2.00E-08	-1.66E-08	7.19E-08	3.92E-08	-3.27E-08
5878	488017.8	3860767.9	1.86E-07	9.85E-08	-8.75E-08	7.06E-08	3.84E-08	-3.21E-08	3.59E-08	1.95E-08	-1.63E-08	7.06E-08	3.84E-08	-3.21E-08
5879	487924.1	3860769.8	1.82E-07	9.63E-08	-8.56E-08	6.90E-08	3.76E-08	-3.15E-08	3.51E-08	1.91E-08	-1.60E-08	6.90E-08	3.76E-08	-3.15E-08
5880	487830.3	3860771.7	1.79E-07	9.46E-08	-8.42E-08	6.78E-08	3.69E-08	-3.09E-08	3.45E-08	1.88E-08	-1.57E-08	6.78E-08	3.69E-08	-3.09E-08
5881	487736.6	3860773.6	1.75E-07	9.27E-08	-8.25E-08	6.65E-08	3.62E-08	-3.03E-08	3.38E-08	1.84E-08	-1.54E-08	6.65E-08	3.62E-08	-3.03E-08
5882	487642.8	3860775.5	1.72E-07	9.12E-08	-8.12E-08	6.54E-08	3.56E-08	-2.98E-08	3.33E-08	1.81E-08	-1.52E-08	6.54E-08	3.56E-08	-2.98E-08
5883	487549.5	3860684.7	1.75E-07	9.26E-08	-8.26E-08	6.65E-08	3.61E-08	-3.03E-08	3.38E-08	1.84E-08	-1.54E-08	6.65E-08	3.61E-08	-3.03E-08
5884	487549.9	3860592	1.81E-07	9.54E-08	-8.56E-08	6.87E-08	3.72E-08	-3.15E-08	3.49E-08	1.89E-08	-1.60E-08	6.87E-08	3.72E-08	-3.15E-08
5885	487550.3	3860499.2	1.87E-07	9.86E-08	-8.87E-08	7.11E-08	3.85E-08	-3.26E-08	3.61E-08	1.96E-08	-1.66E-08	7.11E-08	3.85E-08	-3.26E-08
5886	487550.8	3860406.5	1.95E-07	1.03E-07	-9.24E-08	7.40E-08	4.00E-08	-3.40E-08	3.76E-08	2.03E-08	-1.73E-08	7.40E-08	4.00E-08	-3.40E-08
5887	487551.2	3860313.8	2.04E-07	1.07E-07	-9.67E-08	7.72E-08	4.17E-08	-3.55E-08	3.93E-08	2.12E-08	-1.81E-08	7.72E-08	4.17E-08	-3.55E-08
5888	487551.6	3860221	2.13E-07	1.12E-07	-1.01E-07	8.08E-08	4.36E-08	-3.73E-08	4.11E-08	2.22E-08	-1.89E-08	8.08E-08	4.36E-08	-3.73E-08
5889	487552.1	3860128.3	2.24E-07	1.17E-07	-1.07E-07	8.49E-08	4.57E-08	-3.92E-08	4.32E-08	2.32E-08	-2.00E-08	8.49E-08	4.57E-08	-3.92E-08
5890	487552.5	3860035.5	2.34E-07	1.22E-07	-1.12E-07	8.88E-08	4.77E-08	-4.12E-08	4.52E-08	2.43E-08	-2.09E-08	8.88E-08	4.77E-08	-4.12E-08
5891	487552.9	3859942.8	2.43E-07	1.27E-07	-1.17E-07	9.23E-08	4.94E-08	-4.29E-08	4.69E-08	2.51E-08	-2.18E-08	9.23E-08	4.94E-08	-4.29E-08
5892	487553.3	3859850.1	2.53E-07	1.31E-07	-1.22E-07	9.60E-08	5.12E-08	-4.48E-08	4.88E-08	2.60E-08	-2.28E-08	9.60E-08	5.12E-08	-4.48E-08
5893	487553.8	3859757.3	2.63E-07	1.36E-07	-1.27E-07	9.96E-08	5.29E-08	-4.67E-08	5.07E-08	2.69E-08	-2.37E-08	9.96E-08	5.29E-08	-4.67E-08
5894	487554.2	3859664.6	2.73E-07	1.40E-07	-1.33E-07	1.04E-07	5.47E-08	-4.88E-08	5.27E-08	2.78E-08	-2.48E-08	1.04E-07	5.47E-08	-4.88E-08
5895	487460.2	3859571.1	2.78E-07	1.42E-07	-1.36E-07	1.06E-07	5.54E-08	-5.02E-08	5.37E-08	2.82E-08	-2.55E-08	1.06E-07	5.54E-08	-5.02E-08
5896	487365.8	3859570.3	2.71E-07	1.38E-07	-1.33E-07	1.03E-07	5.40E-08	-4.89E-08	5.23E-08	2.75E-08	-2.49E-08	1.03E-07	5.40E-08	-4.89E-08
5897	487271.4	3859569.5	2.65E-07	1.35E-07	-1.30E-07	1.00E-07	5.26E-08	-4.78E-08	5.11E-08	2.68E-08	-2.43E-08	1.00E-07	5.26E-08	-4.78E-08
5898	487176.9	3859568.7	2.58E-07	1.32E-07	-1.27E-07	9.81E-08	5.13E-08	-4.68E-08	4.99E-08	2.61E-08	-2.38E-08	9.81E-08	5.13E-08	-4.68E-08
5899	487082.5	3859567.9	2.53E-07	1.29E-07	-1.24E-07	9.58E-08	5.01E-08	-4.57E-08	4.87E-08	2.55E-08	-2.32E-08	9.58E-08	5.01E-08	-4.57E-08
5900	486988.1	3859567.1	2.47E-07	1.25E-07	-1.21E-07	9.36E-08	4.89E-08	-4.47E-08	4.76E-08	2.49E-08	-2.27E-08	9.36E-08	4.89E-08	-4.47E-08
5901	486893.7	3859566.4	2.41E-07	1.23E-07	-1.19E-07	9.16E-08	4.79E-08	-4.37E-08	4.66E-08	2.43E-08	-2.22E-08	9.16E-08	4.79E-08	-4.37E-08
5902	486799.3	3859565.6	2.36E-07	1.20E-07	-1.16E-07	8.97E-08	4.69E-08	-4.28E-08	4.56E-08	2.38E-08	-2.18E-08	8.97E-08	4.69E-08	-4.28E-08
5903	486704.8	3859564.8	2.31E-07	1.18E-07	-1.14E-07	8.78E-08	4.59E-08	-4.19E-08	4.47E-08	2.33E-08	-2.13E-08	8.78E-08	4.59E-08	-4.19E-08
5904	486610.4	3859564	2.27E-07	1.15E-07	-1.11E-07	8.61E-08	4.50E-08	-4.11E-08	4.38E-08	2.29E-08	-2.09E-08	8.61E-08	4.50E-08	-4.11E-08
5905	486516	3859563.2	2.22E-07	1.13E-07	-1.09E-07	8.42E-08	4.41E-08	-4.01E-08	4.28E-08	2.24E-08	-2.04E-08	8.42E-08	4.41E-08	-4.01E-08
5906	486421.6	3859562.5	2.18E-07	1.11E-07	-1.07E-07	8.25E-08	4.32E-08	-3.93E-08	4.20E-08	2.20E-08	-2.00E-08	8.25E-08	4.32E-08	-3.93E-08
5907	486327.1	3859561.7	2.14E-07	1.09E-07	-1.05E-07	8.12E-08	4.25E-08	-3.86E-08	4.13E-08	2.16E-08	-1.97E-08	8.12E-08	4.25E-08	-3.86E-08
5908	486232.7	3859560.9	2.09E-07	1.07E-07	-1.03E-07	7.94E-08	4.16E-08	-3.78E-08	4.04E-08	2.12E-08	-1.92E-08	7.94E-08	4.16E-08	-3.78E-08
5909	486138.3	3859560.1	2.05E-07	1.05E-07	-1.01E-07	7.79E-08	4.09E-08	-3.70E-08	3.96E-08	2.08E-08	-1.88E-08	7.79E-08	4.09E-08	-3.70E-08
5910	486043.9	3859559.3	2.01E-07	1.03E-07	-9.86E-08	7.64E-08	4.01E-08	-3.63E-08	3.88E-08	2.04E-08	-1.85E-08	7.64E-08	4.01E-08	-3.63E-08
5911	485949.4	3859463.5	2.04E-07	1.03E-07	-1.00E-07	7.72E-08	4.03E-08	-3.69E-08	3.93E-08	2.05E-08	-1.88E-08	7.72E-08	4.03E-08	-3.69E-08
5912	485949.2	3859368.6	2.10E-07	1.06E-07	-1.04E-07	7.96E-08	4.14E-08	-3.83E-08	4.05E-08	2.10E-08	-1.95E-08	7.96E-08	4.14E-08	-3.83E-08
5913	485949.1	3859273.6	2.17E-07	1.09E-07	-1.08E-07	8.22E-08	4.24E-08	-3.98E-08	4.18E-08	2.15E-08	-2.02E-08	8.22E-08	4.24E-08	-3.98E-08
5914	485949	3859178.6	2.23E-07	1.11E-07	-1.12E-07	8.47E-08	4.34E-08	-4.13E-08	4.31E-08	2.21E-08	-2.10E-08	8.47E-08	4.34E-08	-4.13E-08
5915	485948.9	3859083.6	2.32E-07	1.15E-07	-1.17E-07	8.80E-08	4.47E-08	-4.33E-08	4.47E-08	2.27E-08	-2.20E-08	8.80E-08	4.47E-08	-4.33E-08
5916	485948.8	3858988.6	2.42E-07	1.19E-07	-1.23E-07	9.17E-08	4.62E-08	-4.55E-08	4.67E-08	2.35E-08	-2.31E-08	9.17E-08	4.62E-08	-4.55E-08
5917	485948.7	3858893.6	2.53E-07	1.23E-07	-1.30E-07	9.60E-08	4.80E-08	-4.80E-08	4.88E-08	2.44E-08	-2.44E-08	9.60E-08	4.80E-08	-4.80E-08
5918	485948.6	3858798.6	2.66E-07	1.28E-07	-1.38E-07	1.01E-07	5.00E-08	-5.09E-08	5.13E-08	2.54E-08	-2.59E-08	1.01E-07	5.00E-08	-5.09E-08
5919	485948.5	3858703.6	2.80E-07	1.34E-07	-1.47E-07	1.06E-07	5.21E-08	-5.42E-08	5.40E-08	2.65E-08	-2.75E-08	1.06E-07	5.21E-08	-5.42E-08
5920	485948.3	3858608.6	2.96E-07	1.40E-07	-1.56E-07	1.12E-07	5.46E-08	-5.79E-08	5.72E-08	2.77E-08	-2.94E-08	1.12E-07	5.46E-08	-5.79E-08

5921	485948.2	3858513.6	3.14E-07	1.47E-07	-1.68E-07	1.19E-07	5.72E-08	-6.21E-08	6.06E-08	2.91E-08	-3.16E-08	1.19E-07	5.72E-08	-6.21E-08
5922	485948.1	3858418.6	3.35E-07	1.54E-07	-1.81E-07	1.27E-07	5.99E-08	-6.70E-08	6.46E-08	3.05E-08	-3.41E-08	1.27E-07	5.99E-08	-6.70E-08
5923	485948	3858323.6	3.59E-07	1.62E-07	-1.97E-07	1.36E-07	6.33E-08	-7.29E-08	6.92E-08	3.22E-08	-3.71E-08	1.36E-07	6.33E-08	-7.29E-08
5924	485947.9	3858228.6	3.86E-07	1.72E-07	-2.14E-07	1.46E-07	6.69E-08	-7.95E-08	7.45E-08	3.40E-08	-4.04E-08	1.46E-07	6.69E-08	-7.95E-08
5925	485947.8	3858133.6	4.18E-07	1.82E-07	-2.36E-07	1.59E-07	7.11E-08	-8.76E-08	8.07E-08	3.62E-08	-4.45E-08	1.59E-07	7.11E-08	-8.76E-08
5926	485947.7	3858038.6	4.62E-07	1.97E-07	-2.65E-07	1.75E-07	7.67E-08	-9.85E-08	8.91E-08	3.90E-08	-5.01E-08	1.75E-07	7.67E-08	-9.85E-08
5927	485854.5	3857943.4	4.75E-07	2.00E-07	-2.75E-07	1.80E-07	7.80E-08	-1.02E-07	9.16E-08	3.97E-08	-5.19E-08	1.80E-07	7.80E-08	-1.02E-07
5928	485761.5	3857943.1	4.44E-07	1.89E-07	-2.54E-07	1.68E-07	7.39E-08	-9.44E-08	8.56E-08	3.76E-08	-4.80E-08	1.68E-07	7.39E-08	-9.44E-08
5929	485668.5	3857942.8	4.18E-07	1.81E-07	-2.38E-07	1.59E-07	7.04E-08	-8.83E-08	8.07E-08	3.58E-08	-4.49E-08	1.59E-07	7.04E-08	-8.83E-08
5930	485575.5	3857942.6	3.94E-07	1.72E-07	-2.22E-07	1.50E-07	6.71E-08	-8.26E-08	7.61E-08	3.41E-08	-4.20E-08	1.50E-07	6.71E-08	-8.26E-08
5931	485482.5	3857942.3	3.75E-07	1.65E-07	-2.10E-07	1.42E-07	6.43E-08	-7.78E-08	7.23E-08	3.27E-08	-3.96E-08	1.42E-07	6.43E-08	-7.78E-08
5932	485389.5	3857942	3.57E-07	1.58E-07	-1.98E-07	1.35E-07	6.18E-08	-7.35E-08	6.88E-08	3.14E-08	-3.74E-08	1.35E-07	6.18E-08	-7.35E-08
5933	485296.5	3857941.8	3.40E-07	1.52E-07	-1.88E-07	1.29E-07	5.94E-08	-6.96E-08	6.56E-08	3.02E-08	-3.54E-08	1.29E-07	5.94E-08	-6.96E-08
5934	485203.5	3857941.5	3.26E-07	1.47E-07	-1.79E-07	1.24E-07	5.74E-08	-6.63E-08	6.29E-08	2.92E-08	-3.37E-08	1.24E-07	5.74E-08	-6.63E-08
5935	485110.4	3857941.3	3.12E-07	1.42E-07	-1.70E-07	1.18E-07	5.53E-08	-6.31E-08	6.02E-08	2.81E-08	-3.21E-08	1.18E-07	5.53E-08	-6.31E-08
5936	485017.4	3857941	2.99E-07	1.37E-07	-1.62E-07	1.13E-07	5.34E-08	-6.01E-08	5.77E-08	2.71E-08	-3.06E-08	1.13E-07	5.34E-08	-6.01E-08
5937	484924.4	3857940.7	2.87E-07	1.32E-07	-1.55E-07	1.09E-07	5.15E-08	-5.73E-08	5.53E-08	2.62E-08	-2.91E-08	1.09E-07	5.15E-08	-5.73E-08
5938	484831.4	3857940.5	2.76E-07	1.28E-07	-1.48E-07	1.05E-07	4.99E-08	-5.47E-08	5.32E-08	2.54E-08	-2.78E-08	1.05E-07	4.99E-08	-5.47E-08
5939	484738.1	3857859.3	2.76E-07	1.28E-07	-1.48E-07	1.05E-07	4.98E-08	-5.49E-08	5.33E-08	2.53E-08	-2.79E-08	1.05E-07	4.98E-08	-5.49E-08
5940	484737.9	3857778.4	2.89E-07	1.32E-07	-1.56E-07	1.10E-07	5.16E-08	-5.79E-08	5.57E-08	2.62E-08	-2.95E-08	1.10E-07	5.16E-08	-5.79E-08
5941	484737.6	3857697.5	3.02E-07	1.37E-07	-1.65E-07	1.15E-07	5.35E-08	-6.11E-08	5.83E-08	2.72E-08	-3.11E-08	1.15E-07	5.35E-08	-6.11E-08
5942	484737.3	3857616.6	3.17E-07	1.42E-07	-1.74E-07	1.20E-07	5.55E-08	-6.46E-08	6.11E-08	2.82E-08	-3.29E-08	1.20E-07	5.55E-08	-6.46E-08
5943	484645.5	3857535.2	3.18E-07	1.42E-07	-1.75E-07	1.21E-07	5.56E-08	-6.51E-08	6.13E-08	2.83E-08	-3.31E-08	1.21E-07	5.56E-08	-6.51E-08
5944	484554	3857534.7	3.04E-07	1.37E-07	-1.67E-07	1.15E-07	5.35E-08	-6.18E-08	5.86E-08	2.72E-08	-3.14E-08	1.15E-07	5.35E-08	-6.18E-08
5945	484462.5	3857534.2	2.91E-07	1.33E-07	-1.59E-07	1.11E-07	5.17E-08	-5.88E-08	5.62E-08	2.63E-08	-2.99E-08	1.11E-07	5.17E-08	-5.88E-08
5946	484370.9	3857533.7	2.80E-07	1.28E-07	-1.52E-07	1.06E-07	5.01E-08	-5.62E-08	5.40E-08	2.55E-08	-2.86E-08	1.06E-07	5.01E-08	-5.62E-08
5947	484279.4	3857533.2	2.70E-07	1.25E-07	-1.45E-07	1.02E-07	4.86E-08	-5.37E-08	5.20E-08	2.47E-08	-2.73E-08	1.02E-07	4.86E-08	-5.37E-08
5948	484187.9	3857532.7	2.61E-07	1.21E-07	-1.40E-07	9.89E-08	4.73E-08	-5.17E-08	5.03E-08	2.40E-08	-2.63E-08	9.89E-08	4.73E-08	-5.17E-08
5949	484096.3	3857532.2	2.53E-07	1.18E-07	-1.35E-07	9.58E-08	4.61E-08	-4.98E-08	4.87E-08	2.34E-08	-2.53E-08	9.58E-08	4.61E-08	-4.98E-08
5950	484004.8	3857531.6	2.45E-07	1.15E-07	-1.30E-07	9.31E-08	4.50E-08	-4.82E-08	4.74E-08	2.29E-08	-2.45E-08	9.31E-08	4.50E-08	-4.82E-08
5951	483913.3	3857531.1	2.39E-07	1.13E-07	-1.26E-07	9.05E-08	4.39E-08	-4.67E-08	4.60E-08	2.23E-08	-2.37E-08	9.05E-08	4.39E-08	-4.67E-08
5952	483821.7	3857530.6	2.32E-07	1.10E-07	-1.22E-07	8.82E-08	4.29E-08	-4.52E-08	4.48E-08	2.18E-08	-2.30E-08	8.82E-08	4.29E-08	-4.52E-08
5953	483729.6	3857450.1	2.33E-07	1.10E-07	-1.23E-07	8.85E-08	4.30E-08	-4.55E-08	4.50E-08	2.19E-08	-2.31E-08	8.85E-08	4.30E-08	-4.55E-08
5954	483729	3857370.1	2.41E-07	1.13E-07	-1.28E-07	9.14E-08	4.42E-08	-4.72E-08	4.65E-08	2.25E-08	-2.40E-08	9.14E-08	4.42E-08	-4.72E-08
5955	483728.4	3857290.1	2.49E-07	1.16E-07	-1.33E-07	9.45E-08	4.53E-08	-4.91E-08	4.80E-08	2.31E-08	-2.50E-08	9.45E-08	4.53E-08	-4.91E-08
5956	483727.9	3857210	2.57E-07	1.19E-07	-1.38E-07	9.76E-08	4.65E-08	-5.10E-08	4.96E-08	2.37E-08	-2.59E-08	9.76E-08	4.65E-08	-5.10E-08
5957	483641.2	3857129.1	2.58E-07	1.20E-07	-1.39E-07	9.81E-08	4.67E-08	-5.13E-08	4.99E-08	2.38E-08	-2.61E-08	9.81E-08	4.67E-08	-5.13E-08
5958	483555	3857128.1	2.51E-07	1.17E-07	-1.34E-07	9.52E-08	4.56E-08	-4.96E-08	4.84E-08	2.32E-08	-2.52E-08	9.52E-08	4.56E-08	-4.96E-08
5959	483468.9	3857127.2	2.44E-07	1.14E-07	-1.30E-07	9.24E-08	4.45E-08	-4.80E-08	4.70E-08	2.26E-08	-2.44E-08	9.24E-08	4.45E-08	-4.80E-08
5960	483382.8	3857126.3	2.37E-07	1.12E-07	-1.26E-07	9.00E-08	4.36E-08	-4.65E-08	4.58E-08	2.22E-08	-2.36E-08	9.00E-08	4.36E-08	-4.65E-08
5961	483296.7	3857125.3	2.31E-07	1.09E-07	-1.22E-07	8.78E-08	4.26E-08	-4.52E-08	4.47E-08	2.17E-08	-2.30E-08	8.78E-08	4.26E-08	-4.52E-08
5962	483210.5	3857124.4	2.26E-07	1.07E-07	-1.18E-07	8.56E-08	4.18E-08	-4.38E-08	4.35E-08	2.12E-08	-2.23E-08	8.56E-08	4.18E-08	-4.38E-08
5963	483123.4	3857031	2.27E-07	1.08E-07	-1.20E-07	8.63E-08	4.21E-08	-4.42E-08	4.39E-08	2.14E-08	-2.25E-08	8.63E-08	4.21E-08	-4.42E-08
5964	483122.4	3856938.5	2.35E-07	1.11E-07	-1.24E-07	8.92E-08	4.32E-08	-4.60E-08	4.54E-08	2.20E-08	-2.34E-08	8.92E-08	4.32E-08	-4.60E-08
5965	483121.4	3856846	2.43E-07	1.14E-07	-1.29E-07	9.21E-08	4.44E-08	-4.77E-08	4.68E-08	2.26E-08	-2.42E-08	9.21E-08	4.44E-08	-4.77E-08
5966	483120.3	3856753.5	2.50E-07	1.17E-07	-1.34E-07	9.50E-08	4.56E-08	-4.94E-08	4.83E-08	2.32E-08	-2.51E-08	9.50E-08	4.56E-08	-4.94E-08
5967	483119.3	3856661	2.59E-07	1.20E-07	-1.39E-07	9.82E-08	4.68E-08	-5.14E-08	5.00E-08	2.38E-08	-2.61E-08	9.82E-08	4.68E-08	-5.14E-08
5968	483118.3	3856568.5	2.68E-07	1.24E-07	-1.45E-07	1.02E-07	4.82E-08	-5.37E-08	5.18E-08	2.45E-08	-2.73E-08	1.02E-07	4.82E-08	-5.37E-08
5969	483117.3	3856476	2.79E-07	1.27E-07	-1.52E-07	1.06E-07	4.97E-08	-5.62E-08	5.39E-08	2.53E-08	-2.86E-08	1.06E-07	4.97E-08	-5.62E-08
5970	483116.2	3856383.5	2.91E-07	1.32E-07	-1.59E-07	1.10E-07	5.13E-08	-5.90E-08	5.61E-08	2.61E-08	-3.00E-08	1.10E-07	5.13E-08	-5.90E-08
5971	483115.2	3856291	3.04E-07	1.36E-07	-1.67E-07	1.15E-07	5.31E-08	-6.20E-08	5.86E-08	2.70E-08	-3.15E-08	1.15E-07	5.31E-08	-6.20E-08
5972	483114.2	3856198.5	3.17E-07	1.41E-07	-1.76E-07	1.20E-07	5.51E-08	-6.54E-08	6.13E-08	2.80E-08	-3.32E-08	1.20E-07	5.51E-08	-6.54E-08
5973	483113.2	3856106	3.35E-07	1.48E-07	-1.88E-07	1.27E-07	5.75E-08	-6.96E-08	6.46E-08	2.93E-08	-3.54E-08	1.27E-07	5.75E-08	-6.96E-08
5974	483112.2	3856013.5	3.54E-07	1.54E-07	-2.00E-07	1.34E-07	6.02E-08	-7.42E-08	6.84E-08	3.06E-08	-3.77E-08	1.34E-07	6.02E-08	-7.42E-08
5975	483029.3	3855920.5	3.59E-07	1.56E-07	-2.03E-07	1.36E-07	6.10E-08	-7.52E-08	6.92E-08	3.10E-08	-3.82E-08	1.36E-07	6.10E-08	-7.52E-08
5976	482947.4	3855919.9	3.42E-07	1.51E-07	-1.91E-07	1.30E-07	5.88E-08	-7.10E-08	6.60E-08	2.99E-08	-3.61E-08	1.30E-07	5.88E-08	-7.10E-08
5977	482865.5	3855919.4	3.27E-07	1.46E-07	-1.82E-07	1.24E-07	5.69E-08	-6.73E-08	6.32E-08	2.89E-08	-3.42E-08	1.24E-07	5.69E-08	-6.73E-08
5978	482783.6	3855918.8	3.15E-07	1.41E-07	-1.73E-07	1.19E-07	5.52E-08	-6.42E-08	6.07E-08	2.81E-08	-3.27E-08	1.19E-07	5.52E-08	-6.42E-08
5979	482700.3	3855818.4	3.18E-07	1.43E-07	-1.75E-07	1.21E-07	5.58E-08	-6.48E-08	6.13E-08	2.84E-08	-3.30E-08	1.21E-07	5.58E-08	-6.48E-08
5980	482698.9	3855718.5	3.36E-07	1.50E-07	-1.86E-07	1.28E-07	5.85E-08	-6.91E-08	6.49E-08	2.97E-08	-3.52E-08	1.28E-07	5.85E-08	-6.91E-08
5981	482697.5	3855618.7	3.57E-07	1.58E-07	-1.99E-07	1.35E-07	6.15E-08	-7.40E-08	6.89E-08	3.13E-08	-3.76E-08	1.35E-07	6.15E-08	-7.40E-08
5982	482696.1	3855518.8	3.82E-07	1.67E-07	-2.15E-07	1.45E-07	6.52E-08	-7.99E-08	7.38E-08	3.31E-08	-4.06E-08	1.45E-07	6.52E-08	-7.99E-08
5983	482694.7	3855419	4.11E-07	1.78E-07	-2.33E-07	1.56E-07	6.93E-08	-8.66E-08	7.92E-08	3.52E-08	-4.40E-08	1.56E-07	6.93E-08	-8.66E-08
5984	482693.3	3855319.1	4.44E-07	1.90E-07	-2.55E-07	1.69E-07	7.40E-08	-9.46E-08	8.58E-08	3.76E-08	-4.81E-08	1.69E-07	7.40E-08	-9.46E-08
5985	482691.9	3855219.3	4.85E-07	2.04E-07	-2.81E-07	1.84E-07	7.97E-08	-1.04E-07	9.36E-08	4.05E-08	-5.30E-08	1.84E-07	7.97E-08	-1.04E-07
5986	482690.5	3855119.4	5.34E-07	2.22E-07	-3.12E-07	2.02E-07	8.64E-08	-1.16E-07	1.03E-07	4.39E-08	-5.90E-08	2.02E-07	8.64E-08	-1.16E-07
5987	482689.1	3855019.6	5.97E-07	2.43E-07	-3.53E-07	2.26E-07	9.49E-08	-1.31E-07	1.15E-07	4.83E-08	-6.68E-08	2.26E-07	9.49E-08	-1.31E-07
5988	482687.7	3854919.7	6.72E-07	2.69E-07	-4.03E-07	2.55E-07	1.05E-07	-1.50E-07	1.30E-07	5.34E-08	-7.62E-08	2.55E-07	1.05E-07	-1.50E-07
5989	482686.3	3854819.9	7.69E-07	3.02E-07	-4.67E-07	2.92E-07	1.18E-07	-1.74E-07	1.48E-07	6.00E-08	-8.84E-08	2.92E-07	1.18E-07	-1.74E-07
5990	482684.9	3854720	8.85E-07	3.42E-07	-5.43E-07	3.36E-07	1.33E-07	-2.02E-07	1.71E-07	6.77E-08	-1.03E-07	3.36E-07	1.33E-07	-2.02E-07
5991	482683.5	3854620.2	1.03E-06	3.91E-07	-6.39E-07	3.91E-07	1.53E-07	-2.38E-07	1.99E-07	7.76E-08	-1.21E-07	3.91E-07	1.53E-07	-2.38E-07
5992	482682.1	3854520.3	1.19E-06	4.48E-07	-7.45E-07	4.53E-07	1.75E-07	-2.78E-07	2.30E-07	8.88E-08	-1.41E-07	4.53E-07	1.75E-07	-2.78E-07
5993	482680.7	3854420.5	1.37E-06	5.11E-07	-8.57E-07	5.19E-07	1.99E-07	-3.20E-07	2.64E-07	1.01E-07	-1.62E-07	5.19E-07	1.99E-07	-3.20E-07
5994	482679.3	3854320.6	1.52E-06	5.72E-07	-9.49E-07	5.77E-07	2.23E-07	-3.54E-07	2.93E-07	1.13E-07	-1.80E-07	5.77E-07	2.23E-07	-3.54E-07
5995	482677.9	3854220.8	1.64E-06	6.31E-07	-1.01E-06	6.21E-07	2.46E-07	-3.75E-07	3.16E-07	1.25E-07	-1.91E-07	6.21E-07	2.46E-07	-3.75E-07
5996	482676.5	3854120.9	1.69E-06	6.75E-07	-1.01E-06	6.41E-07	2.63E-07	-3.77E-07	3.26E-07	1.34E-07	-1.92E-07	6.41E-07	2.63E-07	-3.77E-07
5997	482675	3854021	1.75E-06	7.30E-07	-1.02E-06	6.65E-07	2.85E-07	-3.81E-07	3.38E-07	1.45E-07	-1.94E-07	6.65E-07	2.85E-07	-3.81E-07
5998	482673.6	3853921.2	1.82E-06	7.87E-07	-1.03E-06	6.90E-07	3.07E-07	-3.83E-07	3.51E-07	1.56E-07	-1.95E-07	6.90E-07	3.07E-07	-3.83E-07
5999	482672.2	3853821.3	1.94E-06	8.64E-07	-1.07E-06	7.34E-07	3.37E-07	-3.97E-07	3.73E-07	1.71E-07	-2.02E-07	7.34E-07	3.37E-07	-3.97E-07
6000	482670.8	3853721.5	2.07E-06	9.60E-07	-1.11E-06	7.84E-07	3.75E-07	-4.10E-07	3.99E-07	1.90E-07	-2.08E-07	7.84E-07	3.75E-07	-4.10E-07
6001	482669.4	3853621.6	2.23E-06	1.09E-06	-1.14E-06	8.46E-07	4.25E-07	-4.21E-07	4.30E-07	2.16E-07	-2.14E-07	8.46E-07	4.25E-07	-4.21E-07
6002	482646	3853446.1	2.54E-06	1.33E-06	-1.21E-06	9.64E-07	5.20E-07	-4.43E-07	4.90E-07	2.65E-07	-2.26E-07	9.64E-07	5.20E-07	-4.43E-07
6003	482624	3853370.5	2.57E-06	1.38E-06	-1.19E-06	9.75E-07	5.38E-07	-4.37E-07	4.96E-07	2.73E-07	-2.22E-07	9.75E-07	5.38E-07	-4.37E-07
6004	482601.9	3853294.8	2.69E-06	1.47E-06	-1.22E-06	1.02E-06	5.73E-07	-4.48E-07	5.19E-07	2.91E-07	-2.28E-07	1.02E-06	5.73E-07	-4.48E-07
6005	482531.3	3853133.4	3.10E-06	1.69E-06	-1.40E-06	1.17E-06	6.61E-07	-5.14E-07	5.97E-07	3.36E-07	-2.61E-07	1.17E-06	6.61E-07	-5.14E-07
6006	482482.7	3853047.7	3.33E-06	1.83E-06	-1.50E-06	1.26E-06	7.12E-07	-5.50E-07	6.42E-07	3.62E-07	-2.80E-07	1.26E-06	7.12E-07	-5.50E-07
6007	482383.1	3852897.4	4.92E-06	2.71E-06	-2.20E-06	1.86E-06	1.06E-06	-8.07E-07	9.48E-07	5.38E-07	-4.10E-07	1.86E-06	1.06E-06	-8.07E-07
6008	482265.6	3852765.3	5.55E-06	3.06E-06	-2.48E-06	2.10E-06	1.19E-06	-9.10E-07	1.07E-06	6.08E-07	-4.63E-07	2.10E-06	1.19E-06	-9.10E-07
6009	482199.2	3852697.7	5.50E-06	3.03E-06	-2.46E-06	2.08E-06	1.18E-06	-9.02E-07	1.06E-06	6.02E-07	-4.59E-07	2.08E-06	1.18E-06	-9.02E-07
6010	482132.7	3852630.1	5.39E-06	2.98E-06	-2.42E-06	2.05E-06	1.16E-06	-8.85E-07	1.04E-06	5.90E-07	-4.50E-07	2.05E-06	1.16E-06	-8.85E-07
6011	482066.2	3852562.5	5.34E-06	2.95E-06	-2.40E-06	2.03E-06	1.15E-06	-8.77E-07	1.03E-06	5.85E-07	-4.46E-07	2.03E-06	1.15E-06	-8.77E-07
6012	481999.7	3852494.9	5.25E-06	2.90E-06	-2.35E-06	1.99E-06	1.13E-06	-8.62E-07	1.01E-06	5.74E-07	-4.38E-07	1.99E-06	1.13E-06	-8.62E-07
6013	481933.3	3852427.3	5.10E-06	2.81E-06	-2.28E-06	1.93E-06	1.10E-06	-8.37E-07	9.83E-07	5.58E-07	-4.26E-07	1.93E-06	1.10E-06	-8.37E-07
6014	481866.8	3852359.7	5.07E-06	2.80E-06	-2.27E-06	1.92E-06	1.09E-06	-8.32E-07	9.78E-07	5.54E-07	-4.23E-07	1.92E-06	1.09E-06	-8.32E-07

6015	481800.3	3852292.1	4.94E-06	2.72E-06	-2.21E-06	1.87E-06	1.06E-06	-8.11E-07	9.52E-07	5.40E-07	-4.12E-07	1.87E-06	1.06E-06	-8.11E-07
6016	481733.8	3852224.5	4.85E-06	2.67E-06	-2.17E-06	1.84E-06	1.04E-06	-7.96E-07	9.35E-07	5.30E-07	-4.05E-07	1.84E-06	1.04E-06	-7.96E-07
6017	481667.4	3852156.9	4.84E-06	2.67E-06	-2.17E-06	1.84E-06	1.04E-06	-7.96E-07	9.34E-07	5.30E-07	-4.05E-07	1.84E-06	1.04E-06	-7.96E-07
6018	481600.9	3852089.3	4.74E-06	2.62E-06	-2.13E-06	1.80E-06	1.02E-06	-7.80E-07	9.15E-07	5.19E-07	-3.96E-07	1.80E-06	1.02E-06	-7.80E-07
6019	481534.4	3852021.7	4.71E-06	2.60E-06	-2.11E-06	1.79E-06	1.01E-06	-7.74E-07	9.09E-07	5.15E-07	-3.94E-07	1.79E-06	1.01E-06	-7.74E-07
6020	481467.9	3851954.2	4.68E-06	2.58E-06	-2.10E-06	1.77E-06	1.01E-06	-7.69E-07	9.02E-07	5.11E-07	-3.91E-07	1.77E-06	1.01E-06	-7.69E-07
6021	481401.5	3851886.6	4.66E-06	2.57E-06	-2.09E-06	1.77E-06	1.00E-06	-7.66E-07	9.00E-07	5.10E-07	-3.90E-07	1.77E-06	1.00E-06	-7.66E-07
6022	481265.9	3851761.4	4.10E-06	2.26E-06	-1.84E-06	1.55E-06	8.80E-07	-6.74E-07	7.90E-07	4.47E-07	-3.43E-07	1.55E-06	8.80E-07	-6.74E-07
6023	481196.7	3851703.9	3.83E-06	2.11E-06	-1.73E-06	1.45E-06	8.21E-07	-6.33E-07	7.39E-07	4.18E-07	-3.22E-07	1.45E-06	8.21E-07	-6.33E-07
6024	481076.3	3851619	3.73E-06	2.04E-06	-1.69E-06	1.41E-06	7.94E-07	-6.19E-07	7.19E-07	4.04E-07	-3.15E-07	1.41E-06	7.94E-07	-6.19E-07
6025	480939.8	3851549.1	3.61E-06	1.97E-06	-1.64E-06	1.37E-06	7.68E-07	-6.03E-07	6.97E-07	3.91E-07	-3.07E-07	1.37E-06	7.68E-07	-6.03E-07
6026	480854.6	3851506.4	3.63E-06	1.98E-06	-1.65E-06	1.38E-06	7.73E-07	-6.04E-07	7.00E-07	3.93E-07	-3.07E-07	1.38E-06	7.73E-07	-6.04E-07
6027	480769.3	3851463.8	3.67E-06	2.01E-06	-1.66E-06	1.39E-06	7.84E-07	-6.09E-07	7.08E-07	3.99E-07	-3.10E-07	1.39E-06	7.84E-07	-6.09E-07
6028	480684.1	3851421.1	3.72E-06	2.04E-06	-1.68E-06	1.41E-06	7.95E-07	-6.15E-07	7.17E-07	4.04E-07	-3.13E-07	1.41E-06	7.95E-07	-6.15E-07
6029	480598.8	3851378.4	3.72E-06	2.05E-06	-1.67E-06	1.41E-06	7.98E-07	-6.13E-07	7.17E-07	4.06E-07	-3.12E-07	1.41E-06	7.98E-07	-6.13E-07
6030	480435.7	3851275	5.03E-06	2.79E-06	-2.24E-06	1.91E-06	1.09E-06	-8.21E-07	9.71E-07	5.53E-07	-4.18E-07	1.91E-06	1.09E-06	-8.21E-07
6031	480347.9	3851232.4	4.96E-06	2.76E-06	-2.20E-06	1.88E-06	1.08E-06	-8.06E-07	9.57E-07	5.47E-07	-4.10E-07	1.88E-06	1.08E-06	-8.06E-07
6032	480260	3851189.7	4.89E-06	2.73E-06	-2.16E-06	1.85E-06	1.06E-06	-7.91E-07	9.43E-07	5.41E-07	-4.02E-07	1.85E-06	1.06E-06	-7.91E-07
6033	480172.2	3851147.1	4.83E-06	2.70E-06	-2.12E-06	1.83E-06	1.05E-06	-7.77E-07	9.31E-07	5.36E-07	-3.95E-07	1.83E-06	1.05E-06	-7.77E-07
6034	480084.3	3851104.4	4.77E-06	2.68E-06	-2.09E-06	1.81E-06	1.04E-06	-7.65E-07	9.20E-07	5.31E-07	-3.89E-07	1.81E-06	1.04E-06	-7.65E-07
6035	479996.4	3851061.8	4.73E-06	2.66E-06	-2.07E-06	1.79E-06	1.04E-06	-7.55E-07	9.12E-07	5.28E-07	-3.84E-07	1.79E-06	1.04E-06	-7.55E-07
6036	479908.6	3851019.1	4.80E-06	2.71E-06	-2.09E-06	1.82E-06	1.06E-06	-7.64E-07	9.26E-07	5.38E-07	-3.89E-07	1.82E-06	1.06E-06	-7.64E-07
6037	479820.7	3850976.5	4.75E-06	2.69E-06	-2.06E-06	1.80E-06	1.05E-06	-7.53E-07	9.16E-07	5.33E-07	-3.83E-07	1.80E-06	1.05E-06	-7.53E-07
6038	479732.9	3850933.8	4.71E-06	2.67E-06	-2.04E-06	1.78E-06	1.04E-06	-7.44E-07	9.08E-07	5.29E-07	-3.78E-07	1.78E-06	1.04E-06	-7.44E-07
6039	479645	3850891.2	4.69E-06	2.66E-06	-2.03E-06	1.78E-06	1.04E-06	-7.41E-07	9.05E-07	5.28E-07	-3.77E-07	1.78E-06	1.04E-06	-7.41E-07
6040	479557.2	3850848.5	4.66E-06	2.64E-06	-2.02E-06	1.77E-06	1.03E-06	-7.37E-07	8.98E-07	5.24E-07	-3.75E-07	1.77E-06	1.03E-06	-7.37E-07
6041	479469.3	3850805.9	4.70E-06	2.66E-06	-2.04E-06	1.78E-06	1.04E-06	-7.45E-07	9.07E-07	5.28E-07	-3.79E-07	1.78E-06	1.04E-06	-7.45E-07
6042	479381.5	3850763.2	4.66E-06	2.64E-06	-2.03E-06	1.77E-06	1.03E-06	-7.40E-07	9.00E-07	5.23E-07	-3.76E-07	1.77E-06	1.03E-06	-7.40E-07
6043	479293.6	3850720.6	4.58E-06	2.59E-06	-1.99E-06	1.74E-06	1.01E-06	-7.28E-07	8.84E-07	5.14E-07	-3.70E-07	1.74E-06	1.01E-06	-7.28E-07
6044	479205.8	3850678	4.53E-06	2.56E-06	-1.97E-06	1.72E-06	9.97E-07	-7.20E-07	8.73E-07	5.07E-07	-3.66E-07	1.72E-06	9.97E-07	-7.20E-07
6045	479117.9	3850635.3	4.38E-06	2.47E-06	-1.91E-06	1.66E-06	9.63E-07	-6.99E-07	8.45E-07	4.90E-07	-3.55E-07	1.66E-06	9.63E-07	-6.99E-07
6046	479030.1	3850592.7	4.26E-06	2.40E-06	-1.86E-06	1.62E-06	9.34E-07	-6.81E-07	8.21E-07	4.75E-07	-3.46E-07	1.62E-06	9.34E-07	-6.81E-07
6047	478942.2	3850550	4.33E-06	2.44E-06	-1.90E-06	1.64E-06	9.50E-07	-6.94E-07	8.36E-07	4.83E-07	-3.53E-07	1.64E-06	9.50E-07	-6.94E-07
6048	478854.3	3850507.4	4.63E-06	2.60E-06	-2.03E-06	1.76E-06	1.01E-06	-7.42E-07	8.93E-07	5.16E-07	-3.77E-07	1.76E-06	1.01E-06	-7.42E-07
6049	478766.5	3850464.7	4.65E-06	2.61E-06	-2.04E-06	1.76E-06	1.02E-06	-7.46E-07	8.96E-07	5.17E-07	-3.80E-07	1.76E-06	1.02E-06	-7.46E-07
6050	478678.6	3850422.1	4.64E-06	2.60E-06	-2.04E-06	1.76E-06	1.01E-06	-7.46E-07	8.95E-07	5.16E-07	-3.80E-07	1.76E-06	1.01E-06	-7.46E-07
6051	478590.8	3850379.4	4.65E-06	2.60E-06	-2.05E-06	1.76E-06	1.01E-06	-7.49E-07	8.97E-07	5.16E-07	-3.81E-07	1.76E-06	1.01E-06	-7.49E-07
6052	478502.9	3850336.8	4.64E-06	2.59E-06	-2.05E-06	1.76E-06	1.01E-06	-7.48E-07	8.95E-07	5.14E-07	-3.81E-07	1.76E-06	1.01E-06	-7.48E-07
6053	478415.1	3850294.1	4.60E-06	2.57E-06	-2.03E-06	1.74E-06	1.00E-06	-7.43E-07	8.87E-07	5.09E-07	-3.78E-07	1.74E-06	1.00E-06	-7.43E-07
6054	478327.2	3850251.5	4.62E-06	2.58E-06	-2.04E-06	1.75E-06	1.01E-06	-7.48E-07	8.92E-07	5.11E-07	-3.80E-07	1.75E-06	1.01E-06	-7.48E-07
6055	478239.4	3850208.8	4.63E-06	2.58E-06	-2.05E-06	1.76E-06	1.01E-06	-7.50E-07	8.93E-07	5.11E-07	-3.81E-07	1.76E-06	1.01E-06	-7.50E-07
6056	478151.5	3850166.2	4.62E-06	2.57E-06	-2.05E-06	1.75E-06	1.00E-06	-7.50E-07	8.91E-07	5.10E-07	-3.81E-07	1.75E-06	1.00E-06	-7.50E-07
6057	478063.7	3850123.5	4.60E-06	2.56E-06	-2.04E-06	1.75E-06	9.97E-07	-7.48E-07	8.88E-07	5.07E-07	-3.80E-07	1.75E-06	9.97E-07	-7.48E-07
6058	477975.8	3850080.9	4.49E-06	2.49E-06	-2.00E-06	1.70E-06	9.72E-07	-7.31E-07	8.66E-07	4.94E-07	-3.72E-07	1.70E-06	9.72E-07	-7.31E-07
6059	477888	3850038.2	4.47E-06	2.48E-06	-1.99E-06	1.69E-06	9.67E-07	-7.28E-07	8.62E-07	4.92E-07	-3.70E-07	1.69E-06	9.67E-07	-7.28E-07
6060	477800.1	3849995.6	4.40E-06	2.44E-06	-1.96E-06	1.67E-06	9.51E-07	-7.19E-07	8.49E-07	4.84E-07	-3.65E-07	1.67E-06	9.51E-07	-7.19E-07
6061	477712.2	3849952.9	4.42E-06	2.45E-06	-1.97E-06	1.68E-06	9.54E-07	-7.22E-07	8.52E-07	4.85E-07	-3.67E-07	1.68E-06	9.54E-07	-7.22E-07
6062	477624.4	3849910.3	4.42E-06	2.44E-06	-1.97E-06	1.67E-06	9.52E-07	-7.23E-07	8.52E-07	4.84E-07	-3.68E-07	1.67E-06	9.52E-07	-7.23E-07
6063	477536.5	3849867.6	4.35E-06	2.41E-06	-1.95E-06	1.65E-06	9.38E-07	-7.14E-07	8.40E-07	4.77E-07	-3.63E-07	1.65E-06	9.38E-07	-7.14E-07
6064	477448.7	3849825	4.34E-06	2.39E-06	-1.94E-06	1.65E-06	9.33E-07	-7.12E-07	8.37E-07	4.75E-07	-3.62E-07	1.65E-06	9.33E-07	-7.12E-07
6065	477360.8	3849782.4	4.30E-06	2.37E-06	-1.93E-06	1.63E-06	9.24E-07	-7.06E-07	8.29E-07	4.70E-07	-3.59E-07	1.63E-06	9.24E-07	-7.06E-07
6066	477273	3849739.7	4.23E-06	2.33E-06	-1.90E-06	1.61E-06	9.09E-07	-6.97E-07	8.17E-07	4.62E-07	-3.55E-07	1.61E-06	9.09E-07	-6.97E-07
6067	477185.1	3849697.1	4.22E-06	2.32E-06	-1.90E-06	1.60E-06	9.05E-07	-6.95E-07	8.14E-07	4.60E-07	-3.54E-07	1.60E-06	9.05E-07	-6.95E-07
6068	477097.3	3849654.4	4.27E-06	2.34E-06	-1.92E-06	1.62E-06	9.15E-07	-7.05E-07	8.23E-07	4.65E-07	-3.58E-07	1.62E-06	9.15E-07	-7.05E-07
6069	477009.4	3849611.8	4.40E-06	2.42E-06	-1.99E-06	1.67E-06	9.43E-07	-7.28E-07	8.50E-07	4.80E-07	-3.70E-07	1.67E-06	9.43E-07	-7.28E-07
6070	476841.5	3849530.1	4.44E-06	2.43E-06	-2.01E-06	1.68E-06	9.49E-07	-7.36E-07	8.57E-07	4.82E-07	-3.74E-07	1.68E-06	9.49E-07	-7.36E-07
6071	476761.4	3849491.1	4.44E-06	2.43E-06	-2.01E-06	1.68E-06	9.47E-07	-7.36E-07	8.56E-07	4.82E-07	-3.74E-07	1.68E-06	9.47E-07	-7.36E-07
6072	476681.3	3849452	4.55E-06	2.49E-06	-2.06E-06	1.73E-06	9.71E-07	-7.55E-07	8.78E-07	4.94E-07	-3.84E-07	1.73E-06	9.71E-07	-7.55E-07
6073	476601.3	3849413	4.78E-06	2.61E-06	-2.17E-06	1.81E-06	1.02E-06	-7.94E-07	9.22E-07	5.18E-07	-4.04E-07	1.81E-06	1.02E-06	-7.94E-07
6074	476456.3	3849353.7	5.50E-06	3.01E-06	-2.49E-06	2.09E-06	1.17E-06	-9.13E-07	1.06E-06	5.97E-07	-4.64E-07	2.09E-06	1.17E-06	-9.13E-07
6075	476305.4	3849318.8	5.26E-06	2.88E-06	-2.37E-06	1.99E-06	1.12E-06	-8.69E-07	1.01E-06	5.72E-07	-4.42E-07	1.99E-06	1.12E-06	-8.69E-07
6076	476129.4	3849290	4.77E-06	2.62E-06	-2.15E-06	1.81E-06	1.02E-06	-7.88E-07	9.20E-07	5.20E-07	-4.01E-07	1.81E-06	1.02E-06	-7.88E-07
6077	476039.3	3849275.7	4.60E-06	2.52E-06	-2.08E-06	1.75E-06	9.85E-07	-7.61E-07	8.88E-07	5.01E-07	-3.87E-07	1.75E-06	9.85E-07	-7.61E-07
6078	475949.3	3849261.4	4.66E-06	2.56E-06	-2.11E-06	1.77E-06	9.97E-07	-7.72E-07	9.00E-07	5.07E-07	-3.92E-07	1.77E-06	9.97E-07	-7.72E-07
6079	475859.2	3849247.1	4.42E-06	2.42E-06	-2.00E-06	1.68E-06	9.44E-07	-7.32E-07	8.52E-07	4.80E-07	-3.72E-07	1.68E-06	9.44E-07	-7.32E-07
6080	475769.2	3849232.8	4.24E-06	2.32E-06	-1.92E-06	1.61E-06	9.05E-07	-7.02E-07	8.17E-07	4.60E-07	-3.57E-07	1.61E-06	9.05E-07	-7.02E-07
6081	475585.2	3849219.3	2.47E-06	1.35E-06	-1.11E-06	9.36E-07	5.27E-07	-4.08E-07	4.76E-07	2.68E-07	-2.08E-07	9.36E-07	5.27E-07	-4.08E-07
6082	475444.5	3849150.3	4.87E-06	2.67E-06	-2.20E-06	1.85E-06	1.04E-06	-8.06E-07	9.39E-07	5.29E-07	-4.10E-07	1.85E-06	1.04E-06	-8.06E-07
6083	475334.2	3849118.7	4.05E-06	2.22E-06	-1.83E-06	1.54E-06	8.65E-07	-6.71E-07	7.81E-07	4.40E-07	-3.41E-07	1.54E-06	8.65E-07	-6.71E-07
6084	475230.5	3849060.6	4.76E-06	2.61E-06	-2.15E-06	1.81E-06	1.02E-06	-7.89E-07	9.19E-07	5.18E-07	-4.01E-07	1.81E-06	1.02E-06	-7.89E-07
6085	475110.9	3848961	5.50E-06	3.02E-06	-2.48E-06	2.09E-06	1.18E-06	-9.07E-07	1.06E-06	5.99E-07	-4.61E-07	2.09E-06	1.18E-06	-9.07E-07
6086	475037.8	3848896.3	5.76E-06	3.17E-06	-2.60E-06	2.19E-06	1.23E-06	-9.51E-07	1.11E-06	6.28E-07	-4.84E-07	2.19E-06	1.23E-06	-9.51E-07
6087	474964.7	3848831.6	6.00E-06	3.30E-06	-2.70E-06	2.28E-06	1.29E-06	-9.91E-07	1.16E-06	6.54E-07	-5.04E-07	2.28E-06	1.29E-06	-9.91E-07
6088	474891.7	3848766.9	6.14E-06	3.37E-06	-2.77E-06	2.33E-06	1.32E-06	-1.01E-06	1.19E-06	6.69E-07	-5.16E-07	2.33E-06	1.32E-06	-1.01E-06
6089	474818.6	3848702.2	6.39E-06	3.51E-06	-2.88E-06	2.42E-06	1.37E-06	-1.06E-06	1.23E-06	6.96E-07	-5.37E-07	2.42E-06	1.37E-06	-1.06E-06
6090	474745.5	3848637.5	6.17E-06	3.39E-06	-2.78E-06	2.34E-06	1.32E-06	-1.02E-06	1.19E-06	6.72E-07	-5.18E-07	2.34E-06	1.32E-06	-1.02E-06
6091	474672.4	3848572.8	6.32E-06	3.47E-06	-2.85E-06	2.40E-06	1.35E-06	-1.04E-06	1.22E-06	6.88E-07	-5.31E-07	2.40E-06	1.35E-06	-1.04E-06
6092	474599.4	3848508.2	6.72E-06	3.69E-06	-3.03E-06	2.55E-06	1.44E-06	-1.11E-06	1.30E-06	7.31E-07	-5.64E-07	2.55E-06	1.44E-06	-1.11E-06
6093	474526.3	3848443.5	6.92E-06	3.80E-06	-3.12E-06	2.62E-06	1.48E-06	-1.14E-06	1.33E-06	7.53E-07	-5.81E-07	2.62E-06	1.48E-06	-1.14E-06

Leads - Combined Construction and Operational Risk (Residential Exposure)

						Residential Dose							Risk by Age Group							
Rec#	X	Y	2028 Conc	2033 Conc	2048 Conc	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30(2033)	16<30(2048)	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30(2033)	16<30(2048)	Total Risk
1	485973.61	3854936.51	1.18E-03	1.21E-03	1.21E-03	4.10E-07	1.24E-06	7.17E-07	7.32E-07	6.63E-07	3.03E-07	3.02E-07	0.00E+00	0.00E+00	1.32E-07	2.48E-08	1.58E-07	2.43E-08	2.34E-08	3.62E-07
2	486023.61	3854936.51	1.18E-03	1.20E-03	1.20E-03	4.07E-07	1.23E-06	7.12E-07	7.27E-07	6.59E-07	3.01E-07	3.00E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.41E-08	2.33E-08	3.60E-07
3	486073.61	3854936.51	1.17E-03	1.20E-03	1.20E-03	4.07E-07	1.23E-06	7.11E-07	7.25E-07	6.57E-07	3.00E-07	3.00E-07	0.00E+00	0.00E+00	1.31E-07	2.46E-08	1.56E-07	2.41E-08	2.32E-08	3.59E-07
4	486123.61	3854936.51	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.01E-07	7.15E-07	6.48E-07	2.96E-07	2.95E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.29E-08	3.54E-07
5	486173.61	3854936.51	1.16E-03	1.19E-03	1.18E-03	4.02E-07	1.21E-06	7.03E-07	7.18E-07	6.50E-07	2.97E-07	2.96E-07	0.00E+00	0.00E+00	1.29E-07	2.44E-08	1.55E-07	2.38E-08	2.30E-08	3.55E-07
6	486223.61	3854936.51	1.15E-03	1.18E-03	1.18E-03	3.99E-07	1.21E-06	6.98E-07	7.12E-07	6.46E-07	2.95E-07	2.94E-07	0.00E+00	0.00E+00	1.28E-07	2.42E-08	1.53E-07	2.37E-08	2.28E-08	3.53E-07
7	486273.61	3854936.51	1.15E-03	1.17E-03	1.17E-03	3.98E-07	1.20E-06	6.96E-07	7.10E-07	6.43E-07	2.94E-07	2.93E-07	0.00E+00	0.00E+00	1.28E-07	2.41E-08	1.53E-07	2.36E-08	2.27E-08	3.51E-07
8	486323.61	3854936.51	1.15E-03	1.17E-03	1.17E-03	3.97E-07	1.20E-06	6.93E-07	7.08E-07	6.41E-07	2.93E-07	2.92E-07	0.00E+00	0.00E+00	1.28E-07	2.40E-08	1.52E-07	2.35E-08	2.26E-08	3.50E-07
9	485973.61	3854986.51	1.17E-03	1.20E-03	1.19E-03	4.05E-07	1.22E-06	7.09E-07	7.23E-07	6.56E-07	2.99E-07	2.99E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.56E-07	2.40E-08	2.31E-08	3.58E-07
10	486023.61	3854986.51	1.17E-03	1.19E-03	1.19E-03	4.04E-07	1.22E-06	7.06E-07	7.20E-07	6.53E-07	2.98E-07	2.98E-07	0.00E+00	0.00E+00	1.30E-07	2.44E-08	1.55E-07	2.39E-08	2.30E-08	3.56E-07
11	486073.61	3854986.51	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.01E-07	7.15E-07	6.48E-07	2.96E-07	2.96E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.29E-08	3.54E-07
12	486123.61	3854986.51	1.15E-03	1.17E-03	1.17E-03	3.98E-07	1.20E-06	6.96E-07	7.11E-07	6.44E-07	2.94E-07	2.94E-07	0.00E+00	0.00E+00	1.28E-07	2.41E-08	1.53E-07	2.36E-08	2.27E-08	3.52E-07
13	486173.61	3854986.51	1.15E-03	1.17E-03	1.17E-03	3.98E-07	1.20E-06	6.96E-07	7.10E-07	6.44E-07	2.94E-07	2.93E-07	0.00E+00	0.00E+00	1.28E-07	2.41E-08	1.53E-07	2.36E-08	2.27E-08	3.51E-07
14	486223.61	3854986.51	1.14E-03	1.16E-03	1.16E-03	3.95E-07	1.19E-06	6.91E-07	7.05E-07	6.39E-07	2.91E-07	2.91E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.52E-07	2.34E-08	2.25E-08	3.49E-07
15	486273.61	3854986.51	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.84E-07	6.98E-07	6.33E-07	2.89E-07	2.88E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.50E-07	2.32E-08	2.23E-08	3.45E-07
16	486323.61	3854986.51	1.14E-03	1.16E-03	1.16E-03	3.93E-07	1.19E-06	6.87E-07	7.02E-07	6.36E-07	2.90E-07	2.90E-07	0.00E+00	0.00E+00	1.26E-07	2.38E-08	1.51E-07	2.33E-08	2.24E-08	3.47E-07
17	485973.61	3855036.51	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.02E-07	7.16E-07	6.49E-07	2.96E-07	2.96E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.29E-08	3.54E-07
18	486023.61	3855036.51	1.15E-03	1.18E-03	1.18E-03	3.99E-07	1.21E-06	6.98E-07	7.12E-07	6.46E-07	2.95E-07	2.94E-07	0.00E+00	0.00E+00	1.28E-07	2.42E-08	1.53E-07	2.37E-08	2.28E-08	3.52E-07
19	486073.61	3855036.51	1.14E-03	1.17E-03	1.16E-03	3.96E-07	1.19E-06	6.91E-07	7.06E-07	6.40E-07	2.92E-07	2.91E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.52E-07	2.34E-08	2.26E-08	3.49E-07
20	486123.61	3855036.51	1.14E-03	1.16E-03	1.16E-03	3.93E-07	1.19E-06	6.87E-07	7.02E-07	6.36E-07	2.90E-07	2.90E-07	0.00E+00	0.00E+00	1.26E-07	2.38E-08	1.51E-07	2.33E-08	2.24E-08	3.47E-07
21	486173.61	3855036.51	1.14E-03	1.16E-03	1.16E-03	3.93E-07	1.19E-06	6.87E-07	7.01E-07	6.36E-07	2.90E-07	2.90E-07	0.00E+00	0.00E+00	1.26E-07	2.38E-08	1.51E-07	2.33E-08	2.24E-08	3.47E-07
22	486223.61	3855036.51	1.13E-03	1.15E-03	1.15E-03	3.89E-07	1.18E-06	6.81E-07	6.95E-07	6.30E-07	2.87E-07	2.87E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.50E-07	2.31E-08	2.22E-08	3.44E-07
23	486273.61	3855036.51	1.13E-03	1.15E-03	1.15E-03	3.90E-07	1.18E-06	6.81E-07	6.95E-07	6.30E-07	2.88E-07	2.87E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.50E-07	2.31E-08	2.22E-08	3.44E-07
24	486323.61	3855036.51	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.77E-07	6.91E-07	6.26E-07	2.86E-07	2.85E-07	0.00E+00	0.00E+00	1.25E-07	2.35E-08	1.49E-07	2.30E-08	2.21E-08	3.42E-07
25	485973.61	3855086.51	1.15E-03	1.17E-03	1.17E-03	3.96E-07	1.20E-06	6.93E-07	7.07E-07	6.41E-07	2.93E-07	2.92E-07	0.00E+00	0.00E+00	1.27E-07	2.40E-08	1.52E-07	2.35E-08	2.26E-08	3.50E-07
26	486023.61	3855086.51	1.14E-03	1.17E-03	1.16E-03	3.95E-07	1.19E-06	6.91E-07	7.05E-07	6.39E-07	2.92E-07	2.91E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.52E-07	2.34E-08	2.26E-08	3.49E-07
27	486073.61	3855086.51	1.13E-03	1.15E-03	1.15E-03	3.92E-07	1.18E-06	6.85E-07	6.99E-07	6.33E-07	2.89E-07	2.89E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.50E-07	2.32E-08	2.23E-08	3.46E-07
28	486123.61	3855086.51	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.83E-07	6.97E-07	6.32E-07	2.88E-07	2.88E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.50E-07	2.31E-08	2.23E-08	3.45E-07
29	486173.61	3855086.51	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.77E-07	6.91E-07	6.26E-07	2.86E-07	2.85E-07	0.00E+00	0.00E+00	1.25E-07	2.35E-08	1.49E-07	2.30E-08	2.21E-08	3.42E-07
30	486223.61	3855086.51	1.12E-03	1.14E-03	1.14E-03	3.86E-07	1.17E-06	6.75E-07	6.89E-07	6.24E-07	2.85E-07	2.85E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.48E-07	2.29E-08	2.20E-08	3.41E-07
31	485973.61	3855136.51	1.13E-03	1.16E-03	1.16E-03	3.93E-07	1.19E-06	6.87E-07	7.01E-07	6.35E-07	2.90E-07	2.89E-07	0.00E+00	0.00E+00	1.26E-07	2.38E-08	1.51E-07	2.33E-08	2.24E-08	3.47E-07
32	486023.61	3855136.51	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.83E-07	6.97E-07	6.32E-07	2.88E-07	2.88E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.50E-07	2.31E-08	2.23E-08	3.45E-07
33	486073.61	3855136.51	1.12E-03	1.14E-03	1.14E-03	3.88E-07	1.17E-06	6.79E-07	6.93E-07	6.28E-07	2.87E-07	2.86E-07	0.00E+00	0.00E+00	1.25E-07	2.35E-08	1.49E-07	2.30E-08	2.22E-08	3.43E-07
34	486123.61	3855136.51	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.76E-07	6.90E-07	6.25E-07	2.85E-07	2.85E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.21E-08	3.41E-07
35	486173.61	3855136.51	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.71E-07	6.85E-07	6.21E-07	2.83E-07	2.83E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.48E-07	2.28E-08	2.19E-08	3.39E-07
36	486223.61	3855136.51	1.10E-03	1.13E-03	1.13E-03	3.82E-07	1.15E-06	6.68E-07	6.82E-07	6.18E-07	2.82E-07	2.82E-07	0.00E+00	0.00E+00	1.23E-07	2.31E-08	1.47E-07	2.26E-08	2.18E-08	3.37E-07
37	485973.61	3855186.51	1.12E-03	1.15E-03	1.15E-03	3.89E-07	1.17E-06	6.80E-07	6.94E-07	6.29E-07	2.87E-07	2.87E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.49E-07	2.31E-08	2.22E-08	3.43E-07
38	486023.61	3855186.51	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.77E-07	6.91E-07	6.26E-07	2.86E-07	2.85E-07	0.00E+00	0.00E+00	1.25E-07	2.34E-08	1.49E-07	2.29E-08	2.21E-08	3.42E-07
39	486073.61	3855186.51	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.71E-07	6.85E-07	6.21E-07	2.83E-07	2.83E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.48E-07	2.28E-08	2.19E-08	3.39E-07
40	486123.61	3855186.51	1.10E-03	1.12E-03	1.12E-03	3.81E-07	1.15E-06	6.66E-07	6.80E-07	6.16E-07	2.81E-07	2.81E-07	0.00E+00	0.00E+00	1.23E-07	2.31E-08	1.46E-07	2.26E-08	2.17E-08	3.36E-07
41	486173.61	3855186.51	1.10E-03	1.12E-03	1.12E-03	3.79E-07	1.14E-06	6.63E-07	6.76E-07	6.13E-07	2.80E-07	2.79E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.16E-08	3.35E-07
42	486223.61	3855186.51	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.59E-07	6.73E-07	6.10E-07	2.78E-07	2.78E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.23E-08	2.15E-08	3.33E-07
43	486273.61	3855186.51	1.08E-03	1.11E-03	1.10E-03	3.75E-07	1.13E-06	6.55E-07	6.69E-07	6.06E-07	2.77E-07	2.76E-07	0.00E+00	0.00E+00	1.21E-07	2.27E-08	1.44E-07	2.22E-08	2.14E-08	3.31E-07
44	486323.61	3855186.51	1.09E-03	1.11E-03	1.11E-03	3.78E-07	1.14E-06	6.60E-07	6.73E-07	6.10E-07	2.79E-07	2.78E-07	0.00E+00	0.00E+00	1.21E-07	2.29E-08	1.45E-07	2.24E-08	2.15E-08	3.33E-07
45	485973.61	3855236.51	1.11E-03	1.13E-03	1.13E-03	3.85E-07	1.16E-06	6.73E-07	6.87E-07	6.22E-07	2.84E-07	2.84E-07	0.00E+00	0.00E+00	1.24E-07	2.33E-08	1.48E-07	2.28E-08	2.20E-08	3.40E-07
46	486023.61	3855236.51	1.10E-03	1.13E-03	1.12E-03	3.82E-07	1.15E-06	6.68E-07	6.81E-07	6.18E-07	2.82E-07	2.81E-07	0.00E+00	0.00E+00	1.23E-07	2.31E-08	1.47E-07	2.26E-08	2.18E-08	3.37E-07
47	486073.61	3855236.51	1.09E-03	1.12E-03	1.11E-03	3.79E-07	1.14E-06	6.62E-07	6.75E-07	6.12E-07	2.79E-07	2.79E-07	0.00E+00	0.00E+00	1.22E-07	2.29E-08	1.45E-07	2.24E-08	2.16E-08	3.34E-07
48	486123.61	3855236.51	1.09E-03	1.11E-03	1.11E-03	3.76E-07	1.14E-06	6.58E-07	6.72E-07	6.09E-07	2.78E-07	2.77E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.23E-08	2.15E-08	3.32E-07
49	486173.61	3855236.51	1.08E-03	1.10E-03	1.10E-03	3.75E-07	1.13E-06	6.55E-07	6.68E-07	6.06E-07	2.76E-07	2.76E-07	0.00E+00	0.00E+00	1.21E-07	2.27E-08	1.44E-07	2.22E-08	2.14E-08	3.31E-07

50	486223.61	3855236.51	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.12E-06	6.51E-07	6.64E-07	6.02E-07	2.75E-07	2.74E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.43E-07	2.21E-08	2.13E-08	3.29E-07
51	486273.61	3855236.51	1.06E-03	1.08E-03	1.08E-03	3.68E-07	1.11E-06	6.43E-07	6.56E-07	5.95E-07	2.72E-07	2.71E-07	0.00E+00	0.00E+00	1.18E-07	2.23E-08	1.41E-07	2.18E-08	2.10E-08	3.25E-07
52	486323.61	3855236.51	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.13E-06	6.52E-07	6.65E-07	6.03E-07	2.75E-07	2.75E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.43E-07	2.21E-08	2.13E-08	3.29E-07
53	485973.61	3855286.51	1.10E-03	1.12E-03	1.12E-03	3.81E-07	1.15E-06	6.65E-07	6.79E-07	6.15E-07	2.81E-07	2.81E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.26E-08	2.17E-08	3.36E-07
54	486023.61	3855286.51	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.60E-07	6.73E-07	6.10E-07	2.78E-07	2.78E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.24E-08	2.15E-08	3.33E-07
55	486073.61	3855286.51	1.08E-03	1.10E-03	1.10E-03	3.75E-07	1.13E-06	6.55E-07	6.68E-07	6.06E-07	2.76E-07	2.76E-07	0.00E+00	0.00E+00	1.20E-07	2.27E-08	1.44E-07	2.22E-08	2.14E-08	3.31E-07
56	486123.61	3855286.51	1.07E-03	1.10E-03	1.09E-03	3.72E-07	1.12E-06	6.50E-07	6.63E-07	6.01E-07	2.74E-07	2.74E-07	0.00E+00	0.00E+00	1.19E-07	2.25E-08	1.43E-07	2.20E-08	2.12E-08	3.28E-07
57	486173.61	3855286.51	1.07E-03	1.09E-03	1.09E-03	3.69E-07	1.11E-06	6.45E-07	6.58E-07	5.97E-07	2.72E-07	2.72E-07	0.00E+00	0.00E+00	1.19E-07	2.23E-08	1.42E-07	2.19E-08	2.11E-08	3.26E-07
58	486223.61	3855286.51	1.06E-03	1.08E-03	1.08E-03	3.68E-07	1.11E-06	6.43E-07	6.56E-07	5.95E-07	2.71E-07	2.71E-07	0.00E+00	0.00E+00	1.18E-07	2.23E-08	1.41E-07	2.18E-08	2.10E-08	3.25E-07
59	486123.61	3855336.51	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.41E-07	6.54E-07	5.93E-07	2.71E-07	2.70E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.17E-08	2.09E-08	3.24E-07
60	486173.61	3855336.51	1.05E-03	1.08E-03	1.07E-03	3.65E-07	1.10E-06	6.38E-07	6.51E-07	5.90E-07	2.69E-07	2.69E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	2.08E-08	3.22E-07
61	486223.61	3855336.51	1.05E-03	1.07E-03	1.07E-03	3.63E-07	1.10E-06	6.35E-07	6.47E-07	5.87E-07	2.68E-07	2.68E-07	0.00E+00	0.00E+00	1.17E-07	2.20E-08	1.39E-07	2.15E-08	2.07E-08	3.20E-07
62	486123.61	3855386.51	1.05E-03	1.07E-03	1.07E-03	3.63E-07	1.09E-06	6.34E-07	6.47E-07	5.86E-07	2.68E-07	2.67E-07	0.00E+00	0.00E+00	1.17E-07	2.20E-08	1.39E-07	2.15E-08	2.07E-08	3.20E-07
63	486173.61	3855386.51	1.04E-03	1.06E-03	1.06E-03	3.61E-07	1.09E-06	6.31E-07	6.43E-07	5.83E-07	2.66E-07	2.66E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.39E-07	2.14E-08	2.06E-08	3.18E-07
64	486223.61	3855386.51	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.08E-06	6.28E-07	6.41E-07	5.81E-07	2.65E-07	2.65E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.13E-08	2.05E-08	3.17E-07
65	486533.18	3855443.15	1.01E-03	1.03E-03	1.03E-03	3.49E-07	1.05E-06	6.10E-07	6.23E-07	5.64E-07	2.58E-07	2.57E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.07E-08	1.99E-08	3.08E-07
66	486583.18	3855443.15	1.00E-03	1.02E-03	1.02E-03	3.48E-07	1.05E-06	6.07E-07	6.20E-07	5.62E-07	2.56E-07	2.56E-07	0.00E+00	0.00E+00	1.12E-07	2.10E-08	1.34E-07	2.06E-08	1.98E-08	3.07E-07
67	486633.18	3855443.15	9.99E-04	1.02E-03	1.02E-03	3.46E-07	1.04E-06	6.05E-07	6.17E-07	5.59E-07	2.55E-07	2.55E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.33E-07	2.05E-08	1.97E-08	3.05E-07
68	486683.18	3855443.15	9.98E-04	1.02E-03	1.02E-03	3.45E-07	1.04E-06	6.04E-07	6.16E-07	5.59E-07	2.55E-07	2.55E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.33E-07	2.05E-08	1.97E-08	3.05E-07
69	486533.18	3855493.15	9.96E-04	1.02E-03	1.02E-03	3.45E-07	1.04E-06	6.03E-07	6.15E-07	5.57E-07	2.54E-07	2.54E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.32E-07	2.04E-08	1.97E-08	3.04E-07
70	486583.18	3855493.15	9.93E-04	1.01E-03	1.01E-03	3.44E-07	1.04E-06	6.01E-07	6.13E-07	5.56E-07	2.54E-07	2.53E-07	0.00E+00	0.00E+00	1.11E-07	2.08E-08	1.32E-07	2.04E-08	1.96E-08	3.03E-07
71	486633.18	3855493.15	9.89E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.99E-07	6.11E-07	5.54E-07	2.53E-07	2.52E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.32E-07	2.03E-08	1.95E-08	3.02E-07
72	486683.18	3855493.15	9.85E-04	1.01E-03	1.00E-03	3.41E-07	1.03E-06	5.96E-07	6.08E-07	5.51E-07	2.52E-07	2.51E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.31E-07	2.02E-08	1.95E-08	3.01E-07
73	486533.18	3855543.15	9.86E-04	1.01E-03	1.00E-03	3.41E-07	1.03E-06	5.97E-07	6.09E-07	5.52E-07	2.52E-07	2.51E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.31E-07	2.02E-08	1.95E-08	3.01E-07
74	486583.18	3855543.15	9.80E-04	1.00E-03	9.99E-04	3.39E-07	1.02E-06	5.93E-07	6.05E-07	5.48E-07	2.50E-07	2.50E-07	0.00E+00	0.00E+00	1.09E-07	2.05E-08	1.30E-07	2.01E-08	1.94E-08	2.99E-07
75	486633.18	3855543.15	9.77E-04	9.97E-04	9.96E-04	3.38E-07	1.02E-06	5.91E-07	6.03E-07	5.47E-07	2.49E-07	2.49E-07	0.00E+00	0.00E+00	1.09E-07	2.05E-08	1.30E-07	2.00E-08	1.93E-08	2.98E-07
76	486683.18	3855543.15	9.70E-04	9.90E-04	9.88E-04	3.36E-07	1.01E-06	5.87E-07	5.99E-07	5.43E-07	2.48E-07	2.47E-07	0.00E+00	0.00E+00	1.08E-07	2.03E-08	1.29E-07	1.99E-08	1.92E-08	2.96E-07
77	486533.18	3855593.15	9.74E-04	9.94E-04	9.93E-04	3.37E-07	1.02E-06	5.89E-07	6.01E-07	5.45E-07	2.49E-07	2.48E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.30E-07	2.00E-08	1.92E-08	2.98E-07
78	486583.18	3855593.15	9.69E-04	9.89E-04	9.88E-04	3.35E-07	1.01E-06	5.86E-07	5.98E-07	5.42E-07	2.48E-07	2.47E-07	0.00E+00	0.00E+00	1.08E-07	2.03E-08	1.29E-07	1.99E-08	1.91E-08	2.96E-07
79	486633.18	3855593.15	9.65E-04	9.85E-04	9.84E-04	3.34E-07	1.01E-06	5.84E-07	5.96E-07	5.40E-07	2.47E-07	2.46E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.98E-08	1.91E-08	2.95E-07
80	486683.18	3855593.15	9.63E-04	9.82E-04	9.81E-04	3.33E-07	1.01E-06	5.82E-07	5.94E-07	5.39E-07	2.46E-07	2.46E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.97E-08	1.90E-08	2.94E-07
81	486533.18	3855643.15	9.63E-04	9.83E-04	9.82E-04	3.33E-07	1.01E-06	5.83E-07	5.95E-07	5.39E-07	2.46E-07	2.46E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.98E-08	1.90E-08	2.94E-07
82	486583.18	3855643.15	9.59E-04	9.79E-04	9.78E-04	3.32E-07	1.00E-06	5.81E-07	5.92E-07	5.37E-07	2.45E-07	2.45E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.28E-07	1.97E-08	1.90E-08	2.93E-07
83	486633.18	3855643.15	9.55E-04	9.75E-04	9.74E-04	3.31E-07	9.98E-07	5.78E-07	5.90E-07	5.35E-07	2.44E-07	2.44E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.89E-08	2.92E-07
84	486683.18	3855643.15	9.52E-04	9.71E-04	9.70E-04	3.29E-07	9.95E-07	5.76E-07	5.88E-07	5.33E-07	2.43E-07	2.43E-07	0.00E+00	0.00E+00	1.06E-07	1.99E-08	1.27E-07	1.95E-08	1.88E-08	2.91E-07
85	486533.18	3855693.15	9.55E-04	9.75E-04	9.74E-04	3.31E-07	9.98E-07	5.78E-07	5.90E-07	5.35E-07	2.44E-07	2.44E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.89E-08	2.92E-07
86	486583.18	3855693.15	9.48E-04	9.68E-04	9.66E-04	3.28E-07	9.91E-07	5.74E-07	5.85E-07	5.31E-07	2.42E-07	2.42E-07	0.00E+00	0.00E+00	1.06E-07	1.99E-08	1.26E-07	1.94E-08	1.87E-08	2.90E-07
87	486633.18	3855693.15	9.41E-04	9.60E-04	9.59E-04	3.26E-07	9.83E-07	5.69E-07	5.81E-07	5.27E-07	2.40E-07	2.40E-07	0.00E+00	0.00E+00	1.05E-07	1.97E-08	1.25E-07	1.93E-08	1.86E-08	2.87E-07
88	486683.18	3855693.15	9.41E-04	9.60E-04	9.59E-04	3.26E-07	9.84E-07	5.69E-07	5.81E-07	5.27E-07	2.40E-07	2.40E-07	0.00E+00	0.00E+00	1.05E-07	1.97E-08	1.25E-07	1.93E-08	1.86E-08	2.88E-07
89	486733.18	3855693.15	9.45E-04	9.64E-04	9.63E-04	3.27E-07	9.87E-07	5.72E-07	5.83E-07	5.29E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.87E-08	2.89E-07
90	486783.18	3855693.15	9.50E-04	9.69E-04	9.68E-04	3.29E-07	9.93E-07	5.75E-07	5.86E-07	5.32E-07	2.43E-07	2.42E-07	0.00E+00	0.00E+00	1.06E-07	1.99E-08	1.26E-07	1.95E-08	1.88E-08	2.90E-07
91	486533.18	3855743.15	9.46E-04	9.65E-04	9.64E-04	3.27E-07	9.89E-07	5.72E-07	5.84E-07	5.29E-07	2.42E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.87E-08	2.89E-07
92	486583.18	3855743.15	9.36E-04	9.55E-04	9.54E-04	3.24E-07	9.78E-07	5.66E-07	5.78E-07	5.24E-07	2.39E-07	2.39E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.85E-08	2.86E-07
93	486633.18	3855743.15	9.31E-04	9.50E-04	9.49E-04	3.22E-07	9.74E-07	5.64E-07	5.75E-07	5.21E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07
94	486683.18	3855743.15	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.76E-07	5.65E-07	5.77E-07	5.23E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07
95	486733.18	3855743.15	9.33E-04	9.53E-04	9.51E-04	3.23E-07	9.76E-07	5.65E-07	5.76E-07	5.22E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07
96	486783.18	3855743.15	9.40E-04	9.59E-04	9.58E-04	3.25E-07	9.83E-07	5.69E-07	5.81E-07	5.26E-07	2.40E-07	2.40E-07	0.00E+00	0.00E+00	1.05E-07	1.97E-08	1.25E-07	1.93E-08	1.86E-08	2.87E-07
97	486533.18	3855793.15	9.38E-04	9.57E-04	9.56E-04	3.25E-07	9.80E-07	5.67E-07	5.79E-07	5.25E-07	2.39E-07	2.39E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.25E-07	1.92E-08	1.85E-08	2.86E-07
98	486583.18	3855793.15	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.70E-07	5.17E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.89E-08	1.82E-08	2.82E-07
99	486633.18	3855793.15	9.25E-04	9.44E-04	9.43E-04	3.20E-07	9.67E-07	5.60E-07	5.71E-07	5.18E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
100	486683.18	3855793.15	9.28E-04	9.47E-04	9.45E-04	3.21E-07	9.70E-07	5.61E-07	5.73E-07	5.19E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
101	486733.18	3855793.15	9.28E-04	9.47E-04	9.46E-04	3.21E-07	9.70E-07	5.62E-07	5.73E-07	5.20E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.23E-07	1.90E-08	1.83E-08	2.84E-07
102	486783.18	3855793.15	9.30E-04	9.49E-04	9.48E-04	3.22E-07	9.72E-07	5.63E-07	5.74E-07	5.21E-07	2.38E-07	2.37E-07	0.00E+00	0.00E+00	1.04E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.84E-07
103	486533.18	3855843.15	9.27E-04	9.46E-04	9.45E-04	3.21E-07	9.69E-07	5.61E-07	5.72E-07	5.19E-07	2.37E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
104	486583.18	3855843.15	9.17E-04	9.36E-04	9.35E-04	3.17E-07	9.58E-07	5.55E-07	5.66E-07	5.13E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
105	486633.18	3855843.15	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.60E-07	5.56E-07	5.67E-07	5.14E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.81E-07

106	486683.18	3855843.15	9.20E-04	9.39E-04	9.38E-04	3.18E-07	9.62E-07	5.57E-07	5.68E-07	5.15E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.22E-07	1.89E-08	1.82E-08	2.81E-07
107	486733.18	3855843.15	9.22E-04	9.41E-04	9.39E-04	3.19E-07	9.63E-07	5.58E-07	5.69E-07	5.16E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.03E-07	1.93E-08	1.23E-07	1.89E-08	1.82E-08	2.82E-07
108	486783.18	3855843.15	9.23E-04	9.42E-04	9.41E-04	3.19E-07	9.65E-07	5.58E-07	5.70E-07	5.17E-07	2.36E-07	2.35E-07	0.00E+00	0.00E+00	1.03E-07	1.93E-08	1.23E-07	1.89E-08	1.82E-08	2.82E-07
109	486533.18	3855893.15	9.13E-04	9.32E-04	9.31E-04	3.16E-07	9.55E-07	5.53E-07	5.64E-07	5.11E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.79E-07
110	486583.18	3855893.15	9.13E-04	9.31E-04	9.30E-04	3.16E-07	9.54E-07	5.52E-07	5.63E-07	5.11E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.79E-07
111	486633.18	3855893.15	9.12E-04	9.30E-04	9.29E-04	3.16E-07	9.53E-07	5.52E-07	5.63E-07	5.10E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.79E-07
112	486683.18	3855893.15	9.13E-04	9.32E-04	9.30E-04	3.16E-07	9.54E-07	5.52E-07	5.64E-07	5.11E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.79E-07
113	486733.18	3855893.15	9.14E-04	9.33E-04	9.32E-04	3.17E-07	9.56E-07	5.53E-07	5.65E-07	5.12E-07	2.34E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.79E-07
114	486783.18	3855893.15	9.17E-04	9.36E-04	9.35E-04	3.17E-07	9.58E-07	5.55E-07	5.66E-07	5.13E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
115	486533.18	3855943.15	9.07E-04	9.26E-04	9.25E-04	3.14E-07	9.48E-07	5.49E-07	5.60E-07	5.08E-07	2.32E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.77E-07
116	486583.18	3855943.15	9.09E-04	9.27E-04	9.26E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.78E-07
117	486633.18	3855943.15	9.06E-04	9.25E-04	9.24E-04	3.14E-07	9.47E-07	5.48E-07	5.60E-07	5.07E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.77E-07
118	486683.18	3855943.15	9.08E-04	9.26E-04	9.25E-04	3.14E-07	9.49E-07	5.49E-07	5.61E-07	5.08E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.77E-07
119	486733.18	3855943.15	9.08E-04	9.26E-04	9.25E-04	3.14E-07	9.49E-07	5.49E-07	5.60E-07	5.08E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.77E-07
120	486783.18	3855943.15	9.10E-04	9.29E-04	9.28E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
121	486533.18	3855993.15	9.05E-04	9.23E-04	9.22E-04	3.13E-07	9.46E-07	5.47E-07	5.59E-07	5.06E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.20E-07	1.86E-08	1.79E-08	2.76E-07
122	486583.18	3855993.15	9.03E-04	9.22E-04	9.21E-04	3.13E-07	9.44E-07	5.47E-07	5.58E-07	5.06E-07	2.31E-07	2.30E-07	0.00E+00	0.00E+00	1.01E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.76E-07
123	486633.18	3855993.15	9.02E-04	9.20E-04	9.19E-04	3.12E-07	9.43E-07	5.46E-07	5.57E-07	5.05E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.76E-07
124	486683.18	3855993.15	9.03E-04	9.21E-04	9.20E-04	3.12E-07	9.43E-07	5.46E-07	5.57E-07	5.05E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.76E-07
125	486733.18	3855993.15	9.02E-04	9.21E-04	9.20E-04	3.12E-07	9.43E-07	5.46E-07	5.57E-07	5.05E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.76E-07
126	486783.18	3855993.15	9.03E-04	9.22E-04	9.21E-04	3.13E-07	9.44E-07	5.47E-07	5.58E-07	5.06E-07	2.31E-07	2.30E-07	0.00E+00	0.00E+00	1.01E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.76E-07
127	486533.18	3856043.15	9.02E-04	9.21E-04	9.20E-04	3.12E-07	9.43E-07	5.46E-07	5.57E-07	5.05E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.76E-07
128	486583.18	3856043.15	9.01E-04	9.20E-04	9.19E-04	3.12E-07	9.42E-07	5.45E-07	5.57E-07	5.04E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.75E-07
129	486633.18	3856043.15	8.98E-04	9.17E-04	9.16E-04	3.11E-07	9.39E-07	5.44E-07	5.55E-07	5.03E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	1.00E-07	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
130	486683.18	3856043.15	8.99E-04	9.17E-04	9.16E-04	3.11E-07	9.39E-07	5.44E-07	5.55E-07	5.03E-07	2.30E-07	2.29E-07	0.00E+00	0.00E+00	1.00E-07	1.88E-08	1.20E-07	1.84E-08	1.78E-08	2.75E-07
131	486733.18	3856043.15	8.97E-04	9.16E-04	9.14E-04	3.11E-07	9.38E-07	5.43E-07	5.54E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.99E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
132	486783.18	3856043.15	8.99E-04	9.18E-04	9.17E-04	3.11E-07	9.40E-07	5.44E-07	5.55E-07	5.03E-07	2.30E-07	2.29E-07	0.00E+00	0.00E+00	1.00E-07	1.88E-08	1.20E-07	1.84E-08	1.78E-08	2.75E-07
133	486533.18	3856093.15	9.02E-04	9.20E-04	9.19E-04	3.12E-07	9.42E-07	5.46E-07	5.57E-07	5.05E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.75E-07
134	486583.18	3856093.15	8.99E-04	9.17E-04	9.16E-04	3.11E-07	9.40E-07	5.44E-07	5.55E-07	5.03E-07	2.30E-07	2.29E-07	0.00E+00	0.00E+00	1.00E-07	1.88E-08	1.20E-07	1.84E-08	1.78E-08	2.75E-07
135	486633.18	3856093.15	8.96E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.42E-07	5.53E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.98E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
136	486683.18	3856093.15	8.95E-04	9.14E-04	9.13E-04	3.10E-07	9.36E-07	5.42E-07	5.53E-07	5.01E-07	2.29E-07	2.28E-07	0.00E+00	0.00E+00	9.97E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
137	486733.18	3856093.15	8.94E-04	9.12E-04	9.11E-04	3.09E-07	9.34E-07	5.41E-07	5.52E-07	5.00E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.95E-08	1.87E-08	1.19E-07	1.83E-08	1.77E-08	2.73E-07
138	486783.18	3856093.15	8.94E-04	9.13E-04	9.11E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.95E-08	1.87E-08	1.19E-07	1.83E-08	1.77E-08	2.73E-07
139	486533.18	3856143.15	9.00E-04	9.19E-04	9.18E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.75E-07
140	486583.18	3856143.15	8.97E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.43E-07	5.54E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.98E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
141	486633.18	3856143.15	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.53E-07	5.01E-07	2.29E-07	2.28E-07	0.00E+00	0.00E+00	9.96E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.73E-07
142	486683.18	3856143.15	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.94E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
143	486733.18	3856143.15	8.91E-04	9.10E-04	9.08E-04	3.09E-07	9.32E-07	5.39E-07	5.50E-07	4.99E-07	2.28E-07	2.27E-07	0.00E+00	0.00E+00	9.92E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.72E-07
144	486783.18	3856143.15	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.94E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
145	486533.18	3856193.15	9.01E-04	9.19E-04	9.18E-04	3.12E-07	9.42E-07	5.45E-07	5.56E-07	5.04E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.75E-07
146	486583.18	3856193.15	8.96E-04	9.14E-04	9.13E-04	3.10E-07	9.36E-07	5.42E-07	5.53E-07	5.01E-07	2.29E-07	2.28E-07	0.00E+00	0.00E+00	9.97E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
147	486633.18	3856193.15	8.94E-04	9.12E-04	9.11E-04	3.09E-07	9.34E-07	5.41E-07	5.52E-07	5.00E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.95E-08	1.87E-08	1.19E-07	1.83E-08	1.77E-08	2.73E-07
148	486683.18	3856193.15	8.93E-04	9.12E-04	9.11E-04	3.09E-07	9.34E-07	5.41E-07	5.52E-07	5.00E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.95E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
149	486733.18	3856193.15	8.90E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.91E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
150	486783.18	3856193.15	8.91E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.99E-07	2.28E-07	2.27E-07	0.00E+00	0.00E+00	9.92E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
151	486533.18	3856243.15	9.00E-04	9.18E-04	9.17E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.75E-07
152	486583.18	3856243.15	8.97E-04	9.15E-04	9.14E-04	3.10E-07	9.38E-07	5.43E-07	5.54E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.98E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
153	486633.18	3856243.15	8.94E-04	9.13E-04	9.11E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.95E-08	1.87E-08	1.19E-07	1.83E-08	1.77E-08	2.73E-07
154	486683.18	3856243.15	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	4.99E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.93E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
155	486733.18	3856243.15	8.91E-04	9.10E-04	9.08E-04	3.09E-07	9.32E-07	5.39E-07	5.50E-07	4.99E-07	2.28E-07	2.27E-07	0.00E+00	0.00E+00	9.92E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.72E-07
156	486783.18	3856243.15	8.90E-04	9.08E-04	9.07E-04	3.08E-07	9.30E-07	5.38E-07	5.49E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.90E-08	1.86E-08	1.18E-07	1.82E-08	1.76E-08	2.72E-07
157	486533.18	3856293.15	8.99E-04	9.18E-04	9.17E-04	3.11E-07	9.40E-07	5.44E-07	5.55E-07	5.03E-07	2.30E-07	2.29E-07	0.00E+00	0.00E+00	1.00E-07	1.88E-08	1.20E-07	1.84E-08	1.78E-08	2.75E-07
158	486583.18	3856293.15	8.97E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.43E-07	5.54E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.98E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
159	486633.18	3856293.15	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.96E-08	1.87E-08	1.19E-07	1.83E-08	1.77E-08	2.73E-07
160	486683.18	3856293.15	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.94E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
161	486733.18	3856293.15	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	4.99E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.93E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07

162	486783.18	3856293.15	8.90E-04	9.08E-04	9.07E-04	3.08E-07	9.30E-07	5.38E-07	5.49E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.91E-08	1.86E-08	1.18E-07	1.82E-08	1.76E-08	2.72E-07
163	486783.18	3856343.15	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	4.99E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.93E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
164	486833.18	3856343.15	8.90E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.91E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
165	486883.18	3856343.15	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.90E-08	1.86E-08	1.18E-07	1.82E-08	1.76E-08	2.72E-07
166	486783.18	3856393.15	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	4.99E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.93E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
167	486833.18	3856393.15	8.91E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.99E-07	2.28E-07	2.27E-07	0.00E+00	0.00E+00	9.92E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
168	486883.18	3856393.15	8.88E-04	9.07E-04	9.05E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.97E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.89E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
169	487208.74	3856886.11	9.11E-04	9.30E-04	9.29E-04	3.15E-07	9.52E-07	5.51E-07	5.63E-07	5.10E-07	2.33E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
170	487258.74	3856886.11	9.10E-04	9.29E-04	9.27E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
171	487308.74	3856886.11	9.08E-04	9.27E-04	9.26E-04	3.14E-07	9.50E-07	5.50E-07	5.61E-07	5.08E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.78E-07
172	487358.74	3856886.11	9.06E-04	9.25E-04	9.24E-04	3.14E-07	9.47E-07	5.48E-07	5.60E-07	5.07E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.77E-07
173	487208.74	3856936.11	9.16E-04	9.34E-04	9.33E-04	3.17E-07	9.57E-07	5.54E-07	5.65E-07	5.12E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
174	487258.74	3856936.11	9.15E-04	9.34E-04	9.33E-04	3.17E-07	9.57E-07	5.54E-07	5.65E-07	5.12E-07	2.34E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
175	487308.74	3856936.11	9.15E-04	9.33E-04	9.32E-04	3.17E-07	9.56E-07	5.53E-07	5.65E-07	5.12E-07	2.34E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.79E-07
176	487358.74	3856936.11	9.13E-04	9.32E-04	9.31E-04	3.16E-07	9.54E-07	5.53E-07	5.64E-07	5.11E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.79E-07
177	487208.74	3856986.11	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.60E-07	5.56E-07	5.67E-07	5.14E-07	2.35E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.81E-07
178	487258.74	3856986.11	9.21E-04	9.40E-04	9.39E-04	3.19E-07	9.63E-07	5.57E-07	5.69E-07	5.16E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.03E-07	1.93E-08	1.22E-07	1.89E-08	1.82E-08	2.81E-07
179	487308.74	3856986.11	9.21E-04	9.40E-04	9.39E-04	3.19E-07	9.62E-07	5.57E-07	5.69E-07	5.15E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.03E-07	1.93E-08	1.22E-07	1.89E-08	1.82E-08	2.81E-07
180	487358.74	3856986.11	9.21E-04	9.40E-04	9.39E-04	3.19E-07	9.62E-07	5.57E-07	5.69E-07	5.15E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.03E-07	1.93E-08	1.22E-07	1.89E-08	1.82E-08	2.81E-07
181	487208.74	3857036.11	9.21E-04	9.40E-04	9.39E-04	3.19E-07	9.63E-07	5.57E-07	5.69E-07	5.16E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.03E-07	1.93E-08	1.22E-07	1.89E-08	1.82E-08	2.81E-07
182	487258.74	3857036.11	9.25E-04	9.44E-04	9.43E-04	3.20E-07	9.67E-07	5.60E-07	5.71E-07	5.18E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
183	487308.74	3857036.11	9.28E-04	9.47E-04	9.46E-04	3.21E-07	9.70E-07	5.61E-07	5.73E-07	5.19E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
184	487358.74	3857036.11	9.29E-04	9.48E-04	9.47E-04	3.22E-07	9.71E-07	5.62E-07	5.73E-07	5.20E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.24E-07	1.90E-08	1.83E-08	2.84E-07
185	487427.14	3856878.23	9.05E-04	9.24E-04	9.23E-04	3.13E-07	9.46E-07	5.48E-07	5.59E-07	5.07E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.20E-07	1.86E-08	1.79E-08	2.77E-07
186	487477.14	3856878.23	9.05E-04	9.23E-04	9.22E-04	3.13E-07	9.46E-07	5.48E-07	5.59E-07	5.06E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.20E-07	1.86E-08	1.79E-08	2.76E-07
187	487527.14	3856878.23	9.05E-04	9.23E-04	9.22E-04	3.13E-07	9.46E-07	5.47E-07	5.59E-07	5.06E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.20E-07	1.86E-08	1.79E-08	2.76E-07
188	487427.14	3856928.23	9.11E-04	9.30E-04	9.29E-04	3.15E-07	9.53E-07	5.51E-07	5.63E-07	5.10E-07	2.33E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
189	487477.14	3856928.23	9.10E-04	9.29E-04	9.27E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
190	487527.14	3856928.23	9.10E-04	9.29E-04	9.27E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
191	487577.14	3856928.23	9.10E-04	9.29E-04	9.28E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
192	487627.14	3856928.23	9.10E-04	9.28E-04	9.27E-04	3.15E-07	9.51E-07	5.50E-07	5.62E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
193	487677.14	3856928.23	9.12E-04	9.31E-04	9.30E-04	3.16E-07	9.53E-07	5.52E-07	5.63E-07	5.10E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.79E-07
194	487727.14	3856928.23	9.15E-04	9.34E-04	9.33E-04	3.17E-07	9.57E-07	5.54E-07	5.65E-07	5.12E-07	2.34E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
195	487777.14	3856928.23	9.18E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
196	487427.14	3856978.23	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
197	487477.14	3856978.23	9.18E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
198	487527.14	3856978.23	9.17E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.66E-07	5.13E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
199	487577.14	3856978.23	9.17E-04	9.36E-04	9.35E-04	3.17E-07	9.58E-07	5.55E-07	5.66E-07	5.13E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
200	487627.14	3856978.23	9.16E-04	9.35E-04	9.33E-04	3.17E-07	9.57E-07	5.54E-07	5.65E-07	5.13E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
201	487677.14	3856978.23	9.18E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
202	487727.14	3856978.23	9.16E-04	9.35E-04	9.34E-04	3.17E-07	9.58E-07	5.54E-07	5.66E-07	5.13E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
203	487777.14	3856978.23	9.23E-04	9.42E-04	9.41E-04	3.20E-07	9.65E-07	5.59E-07	5.70E-07	5.17E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.89E-08	1.82E-08	2.82E-07
204	487427.14	3857028.23	9.27E-04	9.46E-04	9.45E-04	3.21E-07	9.69E-07	5.61E-07	5.72E-07	5.19E-07	2.37E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
205	487477.14	3857028.23	9.26E-04	9.45E-04	9.44E-04	3.21E-07	9.68E-07	5.60E-07	5.72E-07	5.18E-07	2.37E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
206	487527.14	3857028.23	9.25E-04	9.44E-04	9.43E-04	3.20E-07	9.67E-07	5.60E-07	5.71E-07	5.18E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
207	487577.14	3857028.23	9.25E-04	9.44E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.71E-07	5.18E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.82E-07
208	487627.14	3857028.23	9.23E-04	9.42E-04	9.41E-04	3.20E-07	9.65E-07	5.59E-07	5.70E-07	5.17E-07	2.36E-07	2.35E-07	0.00E+00	0.00E+00	1.03E-07	1.93E-08	1.23E-07	1.89E-08	1.82E-08	2.82E-07
209	487677.14	3857028.23	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.70E-07	5.17E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.89E-08	1.82E-08	2.82E-07
210	487727.14	3857028.23	9.26E-04	9.45E-04	9.44E-04	3.21E-07	9.68E-07	5.61E-07	5.72E-07	5.19E-07	2.37E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
211	487777.14	3857028.23	9.29E-04	9.48E-04	9.47E-04	3.22E-07	9.71E-07	5.62E-07	5.73E-07	5.20E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.24E-07	1.90E-08	1.83E-08	2.84E-07
212	487427.14	3857078.23	9.35E-04	9.54E-04	9.53E-04	3.24E-07	9.78E-07	5.66E-07	5.77E-07	5.23E-07	2.39E-07	2.39E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.85E-08	2.86E-07
213	487477.14	3857078.23	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.77E-07	5.65E-07	5.77E-07	5.23E-07	2.39E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.85E-08	2.85E-07
214	487527.14	3857078.23	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.76E-07	5.65E-07	5.77E-07	5.23E-07	2.39E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.84E-08	2.85E-07
215	487577.14	3857078.23	9.33E-04	9.52E-04	9.51E-04	3.23E-07	9.75E-07	5.65E-07	5.76E-07	5.22E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07
216	487627.14	3857078.23	9.32E-04	9.51E-04	9.50E-04	3.23E-07	9.74E-07	5.64E-07	5.76E-07	5.22E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07
217	487677.14	3857078.23	9.32E-04	9.51E-04	9.50E-04	3.23E-07	9.74E-07	5.64E-07	5.76E-07	5.22E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07

218	487727.14	3857078.23	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.76E-07	5.65E-07	5.77E-07	5.23E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07
219	487777.14	3857078.23	9.35E-04	9.54E-04	9.53E-04	3.24E-07	9.77E-07	5.66E-07	5.77E-07	5.23E-07	2.39E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.85E-08	2.86E-07
220	487427.14	3857128.23	9.44E-04	9.63E-04	9.62E-04	3.27E-07	9.86E-07	5.71E-07	5.83E-07	5.28E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.86E-08	2.88E-07
221	487477.14	3857128.23	9.44E-04	9.63E-04	9.62E-04	3.27E-07	9.86E-07	5.71E-07	5.83E-07	5.28E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.25E-07	1.93E-08	1.86E-08	2.88E-07
222	487527.14	3857128.23	9.43E-04	9.62E-04	9.61E-04	3.26E-07	9.85E-07	5.70E-07	5.82E-07	5.28E-07	2.41E-07	2.40E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.25E-07	1.93E-08	1.86E-08	2.88E-07
223	487577.14	3857128.23	9.42E-04	9.62E-04	9.60E-04	3.26E-07	9.85E-07	5.70E-07	5.82E-07	5.27E-07	2.41E-07	2.40E-07	0.00E+00	0.00E+00	1.05E-07	1.97E-08	1.25E-07	1.93E-08	1.86E-08	2.88E-07
224	487627.14	3857128.23	9.42E-04	9.61E-04	9.60E-04	3.26E-07	9.85E-07	5.70E-07	5.82E-07	5.27E-07	2.41E-07	2.40E-07	0.00E+00	0.00E+00	1.05E-07	1.97E-08	1.25E-07	1.93E-08	1.86E-08	2.88E-07
225	487677.14	3857128.23	9.41E-04	9.60E-04	9.59E-04	3.26E-07	9.83E-07	5.69E-07	5.81E-07	5.27E-07	2.40E-07	2.40E-07	0.00E+00	0.00E+00	1.05E-07	1.97E-08	1.25E-07	1.93E-08	1.86E-08	2.87E-07
226	487727.14	3857128.23	9.43E-04	9.62E-04	9.61E-04	3.26E-07	9.86E-07	5.71E-07	5.82E-07	5.28E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.25E-07	1.93E-08	1.86E-08	2.88E-07
227	487777.14	3857128.23	9.43E-04	9.62E-04	9.61E-04	3.26E-07	9.86E-07	5.71E-07	5.82E-07	5.28E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.25E-07	1.93E-08	1.86E-08	2.88E-07
228	488049.44	3856539.39	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.94E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
229	488099.44	3856539.39	8.90E-04	9.08E-04	9.07E-04	3.08E-07	9.30E-07	5.39E-07	5.50E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.91E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
230	488149.44	3856539.39	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.90E-08	1.86E-08	1.18E-07	1.82E-08	1.76E-08	2.72E-07
231	488049.44	3856589.39	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.53E-07	5.01E-07	2.29E-07	2.28E-07	0.00E+00	0.00E+00	9.96E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.73E-07
232	488099.44	3856589.39	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	4.99E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.93E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
233	488149.44	3856589.39	8.90E-04	9.08E-04	9.07E-04	3.08E-07	9.30E-07	5.39E-07	5.50E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.91E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
234	488199.44	3856589.39	8.87E-04	9.05E-04	9.04E-04	3.07E-07	9.27E-07	5.37E-07	5.48E-07	4.97E-07	2.27E-07	2.26E-07	0.00E+00	0.00E+00	9.88E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
235	488249.44	3856589.39	8.88E-04	9.07E-04	9.05E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.97E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.89E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
236	488049.44	3856639.39	8.97E-04	9.16E-04	9.14E-04	3.11E-07	9.38E-07	5.43E-07	5.54E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.99E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
237	488099.44	3856639.39	8.94E-04	9.13E-04	9.11E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.95E-08	1.87E-08	1.19E-07	1.83E-08	1.77E-08	2.73E-07
238	488149.44	3856639.39	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.32E-07	5.40E-07	5.51E-07	4.99E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.93E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
239	488199.44	3856639.39	8.91E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.99E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.92E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
240	488249.44	3856639.39	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.90E-08	1.86E-08	1.18E-07	1.82E-08	1.76E-08	2.72E-07
241	488299.44	3856639.39	8.88E-04	9.06E-04	9.05E-04	3.07E-07	9.28E-07	5.37E-07	5.48E-07	4.97E-07	2.27E-07	2.26E-07	0.00E+00	0.00E+00	9.88E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
242	488349.44	3856639.39	8.86E-04	9.04E-04	9.03E-04	3.07E-07	9.26E-07	5.36E-07	5.47E-07	4.96E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.86E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
243	488399.44	3856639.39	8.86E-04	9.04E-04	9.03E-04	3.07E-07	9.26E-07	5.36E-07	5.47E-07	4.96E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.86E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
244	488099.44	3856689.39	8.98E-04	9.17E-04	9.16E-04	3.11E-07	9.39E-07	5.44E-07	5.55E-07	5.03E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	1.00E-07	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
245	488149.44	3856689.39	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.36E-07	5.42E-07	5.53E-07	5.01E-07	2.29E-07	2.28E-07	0.00E+00	0.00E+00	9.96E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.73E-07
246	488199.44	3856689.39	8.94E-04	9.12E-04	9.11E-04	3.09E-07	9.34E-07	5.41E-07	5.52E-07	5.00E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.95E-08	1.87E-08	1.19E-07	1.83E-08	1.77E-08	2.73E-07
247	488249.44	3856689.39	8.91E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.99E-07	2.28E-07	2.27E-07	0.00E+00	0.00E+00	9.92E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
248	488299.44	3856689.39	8.91E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.99E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.92E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
249	488349.44	3856689.39	8.88E-04	9.07E-04	9.05E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.97E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.89E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
250	488399.44	3856689.39	8.85E-04	9.03E-04	9.02E-04	3.06E-07	9.25E-07	5.35E-07	5.46E-07	4.95E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.85E-08	1.85E-08	1.18E-07	1.81E-08	1.75E-08	2.70E-07
251	488099.44	3856739.39	9.04E-04	9.22E-04	9.21E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.89E-08	1.20E-07	1.85E-08	1.79E-08	2.76E-07
252	488149.44	3856739.39	9.00E-04	9.18E-04	9.17E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.75E-07
253	488199.44	3856739.39	8.99E-04	9.17E-04	9.16E-04	3.11E-07	9.40E-07	5.44E-07	5.55E-07	5.03E-07	2.30E-07	2.29E-07	0.00E+00	0.00E+00	1.00E-07	1.88E-08	1.20E-07	1.84E-08	1.78E-08	2.75E-07
254	488249.44	3856739.39	8.96E-04	9.14E-04	9.13E-04	3.10E-07	9.37E-07	5.42E-07	5.53E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.97E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
255	488299.44	3856739.39	8.91E-04	9.10E-04	9.08E-04	3.09E-07	9.32E-07	5.39E-07	5.50E-07	4.99E-07	2.28E-07	2.27E-07	0.00E+00	0.00E+00	9.92E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.72E-07
256	488349.44	3856739.39	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	4.99E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.93E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
257	488399.44	3856739.39	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.94E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
258	487999.44	3856789.39	9.12E-04	9.30E-04	9.29E-04	3.16E-07	9.53E-07	5.52E-07	5.63E-07	5.10E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.79E-07
259	488049.44	3856789.39	9.10E-04	9.28E-04	9.27E-04	3.15E-07	9.51E-07	5.50E-07	5.62E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
260	488099.44	3856789.39	9.09E-04	9.27E-04	9.26E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.78E-07
261	488149.44	3856789.39	9.06E-04	9.24E-04	9.23E-04	3.13E-07	9.46E-07	5.48E-07	5.59E-07	5.07E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.20E-07	1.86E-08	1.79E-08	2.77E-07
262	488199.44	3856789.39	9.04E-04	9.22E-04	9.21E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.89E-08	1.20E-07	1.85E-08	1.79E-08	2.76E-07
263	488249.44	3856789.39	9.01E-04	9.19E-04	9.18E-04	3.12E-07	9.42E-07	5.45E-07	5.56E-07	5.04E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.75E-07
264	488299.44	3856789.39	8.97E-04	9.16E-04	9.14E-04	3.11E-07	9.38E-07	5.43E-07	5.54E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.99E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
265	488349.44	3856789.39	8.98E-04	9.16E-04	9.15E-04	3.11E-07	9.39E-07	5.43E-07	5.55E-07	5.03E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	1.00E-07	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
266	488399.44	3856789.39	8.98E-04	9.16E-04	9.15E-04	3.11E-07	9.38E-07	5.43E-07	5.54E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.99E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
267	487949.44	3856839.39	9.18E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
268	487999.44	3856839.39	9.17E-04	9.36E-04	9.35E-04	3.17E-07	9.58E-07	5.55E-07	5.66E-07	5.13E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
269	488049.44	3856839.39	9.15E-04	9.34E-04	9.33E-04	3.17E-07	9.56E-07	5.54E-07	5.65E-07	5.12E-07	2.34E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
270	488099.44	3856839.39	9.13E-04	9.32E-04	9.31E-04	3.16E-07	9.55E-07	5.53E-07	5.64E-07	5.11E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.79E-07
271	488149.44	3856839.39	9.12E-04	9.31E-04	9.30E-04	3.16E-07	9.53E-07	5.52E-07	5.63E-07	5.10E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.79E-07
272	488199.44	3856839.39	9.10E-04	9.29E-04	9.28E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
273	487949.44	3856889.39	9.21E-04	9.40E-04	9.39E-04	3.19E-07	9.63E-07	5.58E-07	5.69E-07	5.16E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.03E-07	1.93E-08	1.23E-07	1.89E-08	1.82E-08	2.82E-07

274	487999.44	3856889.39	9.23E-04	9.42E-04	9.41E-04	3.20E-07	9.65E-07	5.59E-07	5.70E-07	5.17E-07	2.36E-07	2.35E-07	0.00E+00	0.00E+00	1.03E-07	1.93E-08	1.23E-07	1.89E-08	1.82E-08	2.82E-07
275	488049.44	3856889.39	9.20E-04	9.39E-04	9.38E-04	3.19E-07	9.62E-07	5.57E-07	5.68E-07	5.15E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.22E-07	1.89E-08	1.82E-08	2.81E-07
276	488099.44	3856889.39	9.20E-04	9.39E-04	9.38E-04	3.19E-07	9.62E-07	5.57E-07	5.68E-07	5.15E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.22E-07	1.89E-08	1.82E-08	2.81E-07
277	488635.86	3857895.05	1.35E-03	1.38E-03	1.38E-03	4.68E-07	1.41E-06	8.18E-07	8.35E-07	7.57E-07	3.45E-07	3.45E-07	0.00E+00	0.00E+00	1.51E-07	2.83E-08	1.80E-07	2.77E-08	2.67E-08	4.13E-07
278	489137.64	3857804.15	1.25E-03	1.28E-03	1.28E-03	4.34E-07	1.31E-06	7.58E-07	7.74E-07	7.02E-07	3.20E-07	3.20E-07	0.00E+00	0.00E+00	1.40E-07	2.63E-08	1.67E-07	2.57E-08	2.48E-08	3.83E-07
279	488617.32	3857859.41	1.32E-03	1.34E-03	1.34E-03	4.56E-07	1.38E-06	7.97E-07	8.13E-07	7.37E-07	3.36E-07	3.36E-07	0.00E+00	0.00E+00	1.47E-07	2.76E-08	1.75E-07	2.70E-08	2.60E-08	4.02E-07
280	488667.32	3857859.41	1.32E-03	1.35E-03	1.35E-03	4.57E-07	1.38E-06	7.99E-07	8.15E-07	7.39E-07	3.37E-07	3.37E-07	0.00E+00	0.00E+00	1.47E-07	2.77E-08	1.76E-07	2.71E-08	2.61E-08	4.03E-07
281	488717.32	3857859.41	1.33E-03	1.35E-03	1.35E-03	4.59E-07	1.39E-06	8.02E-07	8.19E-07	7.42E-07	3.39E-07	3.38E-07	0.00E+00	0.00E+00	1.48E-07	2.78E-08	1.76E-07	2.72E-08	2.62E-08	4.05E-07
282	488767.32	3857859.41	1.34E-03	1.36E-03	1.36E-03	4.63E-07	1.40E-06	8.09E-07	8.25E-07	7.48E-07	3.41E-07	3.41E-07	0.00E+00	0.00E+00	1.49E-07	2.80E-08	1.78E-07	2.74E-08	2.64E-08	4.08E-07
283	488617.32	3857909.41	1.37E-03	1.39E-03	1.39E-03	4.73E-07	1.43E-06	8.26E-07	8.43E-07	7.64E-07	3.49E-07	3.48E-07	0.00E+00	0.00E+00	1.52E-07	2.86E-08	1.82E-07	2.80E-08	2.70E-08	4.17E-07
284	488667.32	3857909.41	1.38E-03	1.41E-03	1.41E-03	4.78E-07	1.44E-06	8.35E-07	8.52E-07	7.73E-07	3.53E-07	3.52E-07	0.00E+00	0.00E+00	1.54E-07	2.89E-08	1.84E-07	2.83E-08	2.73E-08	4.22E-07
285	488717.32	3857909.41	1.37E-03	1.40E-03	1.40E-03	4.76E-07	1.44E-06	8.31E-07	8.48E-07	7.69E-07	3.51E-07	3.50E-07	0.00E+00	0.00E+00	1.53E-07	2.88E-08	1.83E-07	2.82E-08	2.71E-08	4.20E-07
286	488767.32	3857909.41	1.39E-03	1.42E-03	1.41E-03	4.80E-07	1.45E-06	8.39E-07	8.56E-07	7.76E-07	3.54E-07	3.54E-07	0.00E+00	0.00E+00	1.54E-07	2.91E-08	1.84E-07	2.84E-08	2.74E-08	4.24E-07
287	488417.32	3857959.41	1.41E-03	1.43E-03	1.43E-03	4.87E-07	1.47E-06	8.51E-07	8.68E-07	7.87E-07	3.59E-07	3.59E-07	0.00E+00	0.00E+00	1.56E-07	2.95E-08	1.87E-07	2.88E-08	2.78E-08	4.30E-07
288	488467.32	3857959.41	1.41E-03	1.44E-03	1.44E-03	4.88E-07	1.47E-06	8.54E-07	8.71E-07	7.90E-07	3.60E-07	3.60E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.89E-08	2.79E-08	4.31E-07
289	488517.32	3857959.41	1.42E-03	1.45E-03	1.44E-03	4.90E-07	1.48E-06	8.57E-07	8.75E-07	7.93E-07	3.62E-07	3.61E-07	0.00E+00	0.00E+00	1.58E-07	2.97E-08	1.88E-07	2.90E-08	2.80E-08	4.33E-07
290	488567.32	3857959.41	1.42E-03	1.45E-03	1.45E-03	4.92E-07	1.48E-06	8.59E-07	8.77E-07	7.95E-07	3.63E-07	3.62E-07	0.00E+00	0.00E+00	1.58E-07	2.98E-08	1.89E-07	2.91E-08	2.81E-08	4.34E-07
291	488617.32	3857959.41	1.42E-03	1.45E-03	1.45E-03	4.93E-07	1.49E-06	8.61E-07	8.79E-07	7.96E-07	3.63E-07	3.63E-07	0.00E+00	0.00E+00	1.58E-07	2.98E-08	1.89E-07	2.92E-08	2.81E-08	4.35E-07
292	488667.32	3857959.41	1.43E-03	1.46E-03	1.45E-03	4.94E-07	1.49E-06	8.64E-07	8.81E-07	7.99E-07	3.65E-07	3.64E-07	0.00E+00	0.00E+00	1.59E-07	2.99E-08	1.90E-07	2.93E-08	2.82E-08	4.36E-07
293	488717.32	3857959.41	1.43E-03	1.46E-03	1.46E-03	4.96E-07	1.50E-06	8.68E-07	8.85E-07	8.03E-07	3.66E-07	3.66E-07	0.00E+00	0.00E+00	1.60E-07	3.01E-08	1.91E-07	2.94E-08	2.83E-08	4.38E-07
294	488767.32	3857959.41	1.44E-03	1.47E-03	1.47E-03	4.98E-07	1.50E-06	8.71E-07	8.89E-07	8.06E-07	3.68E-07	3.67E-07	0.00E+00	0.00E+00	1.60E-07	3.02E-08	1.91E-07	2.95E-08	2.84E-08	4.40E-07
295	488417.32	3858009.41	1.46E-03	1.49E-03	1.49E-03	5.06E-07	1.53E-06	8.85E-07	9.03E-07	8.19E-07	3.74E-07	3.73E-07	0.00E+00	0.00E+00	1.63E-07	3.07E-08	1.95E-07	3.00E-08	2.89E-08	4.47E-07
296	488467.32	3858009.41	1.47E-03	1.50E-03	1.50E-03	5.09E-07	1.54E-06	8.90E-07	9.08E-07	8.23E-07	3.76E-07	3.75E-07	0.00E+00	0.00E+00	1.64E-07	3.08E-08	1.96E-07	3.02E-08	2.91E-08	4.49E-07
297	488517.32	3858009.41	1.47E-03	1.50E-03	1.50E-03	5.10E-07	1.54E-06	8.92E-07	9.10E-07	8.25E-07	3.76E-07	3.76E-07	0.00E+00	0.00E+00	1.64E-07	3.09E-08	1.96E-07	3.02E-08	2.91E-08	4.50E-07
298	488567.32	3858009.41	1.48E-03	1.51E-03	1.51E-03	5.12E-07	1.55E-06	8.94E-07	9.13E-07	8.27E-07	3.78E-07	3.77E-07	0.00E+00	0.00E+00	1.65E-07	3.10E-08	1.97E-07	3.03E-08	2.92E-08	4.52E-07
299	488617.32	3858009.41	1.48E-03	1.51E-03	1.51E-03	5.12E-07	1.55E-06	8.95E-07	9.14E-07	8.28E-07	3.78E-07	3.77E-07	0.00E+00	0.00E+00	1.65E-07	3.10E-08	1.97E-07	3.03E-08	2.92E-08	4.52E-07
300	488667.32	3858009.41	1.48E-03	1.51E-03	1.51E-03	5.13E-07	1.55E-06	8.97E-07	9.16E-07	8.30E-07	3.79E-07	3.78E-07	0.00E+00	0.00E+00	1.65E-07	3.11E-08	1.97E-07	3.04E-08	2.93E-08	4.53E-07
301	488717.32	3858009.41	1.49E-03	1.52E-03	1.52E-03	5.15E-07	1.56E-06	9.01E-07	9.19E-07	8.33E-07	3.80E-07	3.80E-07	0.00E+00	0.00E+00	1.66E-07	3.12E-08	1.98E-07	3.05E-08	2.94E-08	4.55E-07
302	488767.32	3858009.41	1.50E-03	1.53E-03	1.52E-03	5.18E-07	1.56E-06	9.05E-07	9.23E-07	8.37E-07	3.82E-07	3.81E-07	0.00E+00	0.00E+00	1.66E-07	3.13E-08	1.99E-07	3.07E-08	2.95E-08	4.57E-07
303	488417.32	3858059.41	1.53E-03	1.56E-03	1.56E-03	5.28E-07	1.60E-06	9.23E-07	9.42E-07	8.54E-07	3.90E-07	3.89E-07	0.00E+00	0.00E+00	1.70E-07	3.20E-08	2.03E-07	3.13E-08	3.01E-08	4.66E-07
304	488467.32	3858059.41	1.53E-03	1.57E-03	1.56E-03	5.31E-07	1.60E-06	9.28E-07	9.47E-07	8.59E-07	3.92E-07	3.91E-07	0.00E+00	0.00E+00	1.71E-07	3.21E-08	2.04E-07	3.15E-08	3.03E-08	4.69E-07
305	488517.32	3858059.41	1.54E-03	1.57E-03	1.57E-03	5.33E-07	1.61E-06	9.32E-07	9.51E-07	8.62E-07	3.93E-07	3.93E-07	0.00E+00	0.00E+00	1.71E-07	3.23E-08	2.05E-07	3.16E-08	3.04E-08	4.70E-07
306	488567.32	3858059.41	1.54E-03	1.57E-03	1.57E-03	5.34E-07	1.61E-06	9.33E-07	9.52E-07	8.63E-07	3.94E-07	3.93E-07	0.00E+00	0.00E+00	1.72E-07	3.23E-08	2.05E-07	3.16E-08	3.05E-08	4.71E-07
307	488617.32	3858059.41	1.55E-03	1.58E-03	1.58E-03	5.35E-07	1.62E-06	9.35E-07	9.54E-07	8.65E-07	3.95E-07	3.94E-07	0.00E+00	0.00E+00	1.72E-07	3.24E-08	2.06E-07	3.17E-08	3.05E-08	4.72E-07
308	488667.32	3858059.41	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.37E-07	9.56E-07	8.67E-07	3.96E-07	3.95E-07	0.00E+00	0.00E+00	1.72E-07	3.25E-08	2.06E-07	3.18E-08	3.06E-08	4.73E-07
309	488417.32	3858109.41	1.59E-03	1.62E-03	1.62E-03	5.50E-07	1.66E-06	9.61E-07	9.80E-07	8.89E-07	4.06E-07	4.05E-07	0.00E+00	0.00E+00	1.77E-07	3.33E-08	2.11E-07	3.26E-08	3.14E-08	4.85E-07
310	488467.32	3858109.41	1.60E-03	1.63E-03	1.63E-03	5.54E-07	1.67E-06	9.68E-07	9.88E-07	8.96E-07	4.09E-07	4.08E-07	0.00E+00	0.00E+00	1.78E-07	3.35E-08	2.13E-07	3.28E-08	3.16E-08	4.89E-07
311	488517.32	3858109.41	1.61E-03	1.64E-03	1.64E-03	5.57E-07	1.68E-06	9.74E-07	9.94E-07	9.01E-07	4.11E-07	4.11E-07	0.00E+00	0.00E+00	1.79E-07	3.37E-08	2.14E-07	3.30E-08	3.18E-08	4.92E-07
312	488567.32	3858109.41	1.61E-03	1.65E-03	1.64E-03	5.58E-07	1.69E-06	9.76E-07	9.96E-07	9.03E-07	4.12E-07	4.11E-07	0.00E+00	0.00E+00	1.80E-07	3.38E-08	2.15E-07	3.31E-08	3.19E-08	4.93E-07
313	488617.32	3858109.41	1.62E-03	1.65E-03	1.65E-03	5.60E-07	1.69E-06	9.78E-07	9.98E-07	9.05E-07	4.13E-07	4.12E-07	0.00E+00	0.00E+00	1.80E-07	3.39E-08	2.15E-07	3.32E-08	3.19E-08	4.94E-07
314	488667.32	3858109.41	1.62E-03	1.65E-03	1.65E-03	5.61E-07	1.69E-06	9.80E-07	1.00E-06	9.06E-07	4.14E-07	4.13E-07	0.00E+00	0.00E+00	1.80E-07	3.39E-08	2.15E-07	3.32E-08	3.20E-08	4.95E-07
315	488769.93	3858449.27	2.50E-03	2.55E-03	2.55E-03	8.64E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.38E-07	6.37E-07	0.00E+00	0.00E+00	2.78E-07	5.23E-08	3.32E-07	5.12E-08	4.93E-08	7.63E-07
316	488819.93	3858449.27	2.51E-03	2.56E-03	2.56E-03	8.70E-07	2.63E-06	1.52E-06	1.55E-06	1.41E-06	6.42E-07	6.41E-07	0.00E+00	0.00E+00	2.80E-07	5.27E-08	3.34E-07	5.15E-08	4.96E-08	7.68E-07
317	488819.93	3858499.27	2.75E-03	2.81E-03	2.81E-03	9.53E-07	2.88E-06	1.67E-06	1.70E-06	1.54E-06	7.03E-07	7.02E-07	0.00E+00	0.00E+00	3.06E-07	5.77E-08	3.66E-07	5.65E-08	5.44E-08	8.41E-07
318	488869.93	3858499.27	2.76E-03	2.82E-03	2.82E-03	9.56E-07	2.89E-06	1.67E-06	1.71E-06	1.55E-06	7.05E-07	7.05E-07	0.00E+00	0.00E+00	3.08E-07	5.79E-08	3.67E-07	5.67E-08	5.46E-08	8.44E-07
319	488869.93	3858549.27	3.06E-03	3.13E-03	3.12E-03	1.06E-06	3.20E-06	1.85E-06	1.89E-06	1.72E-06	7.83E-07	7.82E-07	0.00E+00	0.00E+00	3.41E-07	6.42E-08	4.07E-07	6.28E-08	6.05E-08	9.36E-07
320	489438.17	3859571.48	1.08E-02	1.11E-02	1.10E-02	3.75E-06	1.13E-05	6.56E-06	6.69E-06	6.07E-06	2.77E-06	2.76E-06	0.00E+00	0.00E+00	1.21E-06	2.27E-07	1.44E-06	2.22E-07	2.14E-07	3.31E-06
321	489488.17	3859571.48	1.18E-02	1.20E-02	1.20E-02	4.09E-06	1.23E-05	7.14E-06	7.29E-06	6.61E-06	3.02E-06	3.01E-06	0.00E+00	0.00E+00	1.31E-06	2.47E-07	1.57E-06	2.42E-07	2.33E-07	3.61E-06
322	489538.17	3859571.48	1.29E-02	1.32E-02	1.32E-02	4.47E-06	1.35E-05	7.82E-06	7.98E-06	7.23E-06	3.30E-06	3.30E-06	0.00E+00	0.00E+00	1.44E-06	2.71E-07	1.72E-06	2.65E-07	2.55E-07	3.95E-06
323	489588.17	3859571.48	1.42E-02	1.44E-02	1.44E-02	4.90E-06	1.48E-05	8.56E-06	8.74E-06	7.92E-06	3.61E-06	3.61E-06	0.00E+00	0.00E+00	1.58E-06	2.97E-07	1.88E-06	2.90E-07	2.80E-07	4.32E-06
324	489438.17	3859621.48	9.53E-03	9.73E-03	9.71E-03	3.30E-06	9.96E-06	5.77E-06	5.88E-06	5.33E-06	2.43E-06	2.43E-06	0.00E+00	0.00E+00	1.06E-06	2.00E-07	1.27E-06	1.95E-07	1.88E-07	2.91E-06
325	489488.17	3859621.48	1.03E-02	1.05E-02	1.05E-02	3.55E-06	1.07E-05	6.21E-06	6.34E-06	5.75E-06	2.62E-06	2.62E-06	0.00E+00	0.00E+00	1.14E-06	2.15E-07	1.37E-06	2.11E-07	2.03E-07	3.14E-06
326	489538.17	3859621.48	1.11E-02	1.14E-02	1.13E-02	3.85E-06	1.16E-05	6.73E-06	6.87E-06	6.23E-06	2.84E-06	2.84E-06	0.00E+00	0.00E+00	1.24E-06	2.33E-07	1.48E-06	2.28E-07	2.20E-07	3.40E-06
327	489588.17	3859621.48	1.22E-02	1.24E-02	1.24E-02	4.21E-06	1.27E-05	7.36E-06	7.51E-06	6.81E-06	3.11E-06	3.10E-06	0.00E+00	0.00E+00	1.35E-06	2.55E-07	1.62E-06	2.49E-07	2.40E-07	3.72E-06
328	489238.17	3859671.48	6.63E-03	6.77E-03	6.76E-03	2.30E-06	6.93E-06	4.01E-06	4.10E-06	3.71E-06	1.69E-06	1.69E-06	0.00E+00	0.00E+00	7.38E-07	1.39E-07	8.82E-07	1.36E-07	1.31E-07	2.03E-06
329	489288.17	3859671.48	7.02E-03	7.16E-03	7.15E-03	2.43E-06	7.34E-06	4.25E-06	4.33E-06	3.93E-06	1.79E-06	1.79E-06	0.00E+00	0.00E+00	7.81E-07	1.47E-07	9.34E-07	1.44E-07	1.39E-07	2.14E-06

330	489338.17	3859671.48	7.47E-03	7.62E-03	7.61E-03	2.59E-06	7.81E-06	4.52E-06	4.61E-06	4.18E-06	1.91E-06	1.91E-06	0.00E+00	0.00E+00	8.31E-07	1.57E-07	9.93E-07	1.53E-07	1.48E-07	2.28E-06
331	489388.17	3859671.48	8.00E-03	8.16E-03	8.15E-03	2.77E-06	8.36E-06	4.84E-06	4.94E-06	4.47E-06	2.04E-06	2.04E-06	0.00E+00	0.00E+00	8.90E-07	1.68E-07	1.06E-06	1.64E-07	1.58E-07	2.44E-06
332	489438.17	3859671.48	8.52E-03	8.69E-03	8.68E-03	2.95E-06	8.90E-06	5.15E-06	5.26E-06	4.77E-06	2.18E-06	2.17E-06	0.00E+00	0.00E+00	9.48E-07	1.79E-07	1.13E-06	1.75E-07	1.68E-07	2.60E-06
333	489488.17	3859671.48	9.17E-03	9.35E-03	9.34E-03	3.17E-06	9.58E-06	5.55E-06	5.66E-06	5.13E-06	2.34E-06	2.34E-06	0.00E+00	0.00E+00	1.02E-06	1.92E-07	1.22E-06	1.88E-07	1.81E-07	2.80E-06
334	489538.17	3859671.48	9.86E-03	1.01E-02	1.01E-02	3.41E-06	1.03E-05	5.97E-06	6.09E-06	5.52E-06	2.52E-06	2.52E-06	0.00E+00	0.00E+00	1.10E-06	2.07E-07	1.31E-06	2.02E-07	1.95E-07	3.01E-06
335	489588.17	3859671.48	1.07E-02	1.09E-02	1.09E-02	3.69E-06	1.11E-05	6.45E-06	6.58E-06	5.97E-06	2.72E-06	2.72E-06	0.00E+00	0.00E+00	1.19E-06	2.23E-07	1.42E-06	2.19E-07	2.11E-07	3.26E-06
336	489238.17	3859721.48	6.13E-03	6.25E-03	6.25E-03	2.12E-06	6.41E-06	3.71E-06	3.78E-06	3.43E-06	1.57E-06	1.56E-06	0.00E+00	0.00E+00	6.82E-07	1.28E-07	8.15E-07	1.26E-07	1.21E-07	1.87E-06
337	489288.17	3859721.48	6.50E-03	6.63E-03	6.62E-03	2.25E-06	6.79E-06	3.93E-06	4.01E-06	3.64E-06	1.66E-06	1.66E-06	0.00E+00	0.00E+00	7.23E-07	1.36E-07	8.64E-07	1.33E-07	1.28E-07	1.99E-06
338	489338.17	3859721.48	6.87E-03	7.01E-03	7.01E-03	2.38E-06	7.18E-06	4.16E-06	4.24E-06	3.85E-06	1.76E-06	1.75E-06	0.00E+00	0.00E+00	7.65E-07	1.44E-07	9.14E-07	1.41E-07	1.36E-07	2.10E-06
339	489388.17	3859721.48	7.28E-03	7.43E-03	7.42E-03	2.52E-06	7.61E-06	4.41E-06	4.50E-06	4.08E-06	1.86E-06	1.86E-06	0.00E+00	0.00E+00	8.11E-07	1.53E-07	9.68E-07	1.49E-07	1.44E-07	2.22E-06
340	489438.17	3859721.48	7.72E-03	7.88E-03	7.87E-03	2.67E-06	8.07E-06	4.67E-06	4.77E-06	4.32E-06	1.97E-06	1.97E-06	0.00E+00	0.00E+00	8.59E-07	1.62E-07	1.03E-06	1.58E-07	1.52E-07	2.36E-06
341	489488.17	3859721.48	8.26E-03	8.43E-03	8.42E-03	2.86E-06	8.64E-06	5.00E-06	5.10E-06	4.63E-06	2.11E-06	2.11E-06	0.00E+00	0.00E+00	9.20E-07	1.73E-07	1.10E-06	1.69E-07	1.63E-07	2.52E-06
342	489538.17	3859721.48	8.84E-03	9.02E-03	9.01E-03	3.06E-06	9.24E-06	5.35E-06	5.46E-06	4.95E-06	2.26E-06	2.25E-06	0.00E+00	0.00E+00	9.84E-07	1.85E-07	1.18E-06	1.81E-07	1.75E-07	2.70E-06
343	489588.17	3859721.48	9.48E-03	9.67E-03	9.66E-03	3.28E-06	9.90E-06	5.73E-06	5.85E-06	5.30E-06	2.42E-06	2.42E-06	0.00E+00	0.00E+00	1.05E-06	1.99E-07	1.26E-06	1.94E-07	1.87E-07	2.89E-06
344	489238.17	3859771.48	5.70E-03	5.82E-03	5.81E-03	1.97E-06	5.96E-06	3.45E-06	3.52E-06	3.19E-06	1.46E-06	1.45E-06	0.00E+00	0.00E+00	6.35E-07	1.20E-07	7.58E-07	1.17E-07	1.13E-07	1.74E-06
345	489288.17	3859771.48	6.02E-03	6.14E-03	6.14E-03	2.08E-06	6.29E-06	3.64E-06	3.72E-06	3.37E-06	1.54E-06	1.54E-06	0.00E+00	0.00E+00	6.70E-07	1.26E-07	8.01E-07	1.23E-07	1.19E-07	1.84E-06
346	489338.17	3859771.48	6.33E-03	6.46E-03	6.45E-03	2.19E-06	6.62E-06	3.83E-06	3.91E-06	3.54E-06	1.62E-06	1.61E-06	0.00E+00	0.00E+00	7.05E-07	1.33E-07	8.42E-07	1.30E-07	1.25E-07	1.93E-06
347	489388.17	3859771.48	6.68E-03	6.82E-03	6.81E-03	2.31E-06	6.99E-06	4.04E-06	4.13E-06	3.74E-06	1.71E-06	1.70E-06	0.00E+00	0.00E+00	7.44E-07	1.40E-07	8.89E-07	1.37E-07	1.32E-07	2.04E-06
348	489438.17	3859771.48	7.05E-03	7.19E-03	7.18E-03	2.44E-06	7.37E-06	4.27E-06	4.35E-06	3.95E-06	1.80E-06	1.80E-06	0.00E+00	0.00E+00	7.85E-07	1.48E-07	9.37E-07	1.45E-07	1.39E-07	2.15E-06
349	489488.17	3859771.48	7.52E-03	7.67E-03	7.67E-03	2.60E-06	7.86E-06	4.55E-06	4.64E-06	4.21E-06	1.92E-06	1.92E-06	0.00E+00	0.00E+00	8.37E-07	1.58E-07	1.00E-06	1.54E-07	1.49E-07	2.30E-06
350	489538.17	3859771.48	8.01E-03	8.17E-03	8.16E-03	2.77E-06	8.37E-06	4.85E-06	4.95E-06	4.48E-06	2.05E-06	2.04E-06	0.00E+00	0.00E+00	8.92E-07	1.68E-07	1.07E-06	1.64E-07	1.58E-07	2.45E-06
351	489588.17	3859771.48	8.51E-03	8.69E-03	8.68E-03	2.95E-06	8.90E-06	5.15E-06	5.26E-06	4.76E-06	2.17E-06	2.17E-06	0.00E+00	0.00E+00	9.47E-07	1.78E-07	1.13E-06	1.75E-07	1.68E-07	2.60E-06
352	489238.17	3859821.48	5.32E-03	5.43E-03	5.42E-03	1.84E-06	5.56E-06	3.22E-06	3.29E-06	2.98E-06	1.36E-06	1.36E-06	0.00E+00	0.00E+00	5.92E-07	1.12E-07	7.08E-07	1.09E-07	1.05E-07	1.63E-06
353	489288.17	3859821.48	5.60E-03	5.72E-03	5.71E-03	1.94E-06	5.86E-06	3.39E-06	3.46E-06	3.14E-06	1.43E-06	1.43E-06	0.00E+00	0.00E+00	6.24E-07	1.17E-07	7.45E-07	1.15E-07	1.11E-07	1.71E-06
354	489338.17	3859821.48	5.88E-03	6.00E-03	5.99E-03	2.03E-06	6.14E-06	3.56E-06	3.63E-06	3.29E-06	1.50E-06	1.50E-06	0.00E+00	0.00E+00	6.54E-07	1.23E-07	7.81E-07	1.20E-07	1.16E-07	1.80E-06
355	489388.17	3859821.48	6.18E-03	6.30E-03	6.30E-03	2.14E-06	6.46E-06	3.74E-06	3.81E-06	3.46E-06	1.58E-06	1.58E-06	0.00E+00	0.00E+00	6.88E-07	1.29E-07	8.22E-07	1.27E-07	1.22E-07	1.89E-06
356	489438.17	3859821.48	6.53E-03	6.67E-03	6.66E-03	2.26E-06	6.83E-06	3.95E-06	4.03E-06	3.66E-06	1.67E-06	1.67E-06	0.00E+00	0.00E+00	7.27E-07	1.37E-07	8.69E-07	1.34E-07	1.29E-07	2.00E-06
357	489488.17	3859821.48	6.91E-03	7.05E-03	7.04E-03	2.39E-06	7.22E-06	4.18E-06	4.26E-06	3.87E-06	1.76E-06	1.76E-06	0.00E+00	0.00E+00	7.69E-07	1.45E-07	9.19E-07	1.42E-07	1.36E-07	2.11E-06
358	489538.17	3859821.48	7.31E-03	7.46E-03	7.45E-03	2.53E-06	7.64E-06	4.42E-06	4.51E-06	4.09E-06	1.87E-06	1.86E-06	0.00E+00	0.00E+00	8.13E-07	1.53E-07	9.72E-07	1.50E-07	1.44E-07	2.23E-06
359	489588.17	3859821.48	7.72E-03	7.88E-03	7.87E-03	2.67E-06	8.07E-06	4.67E-06	4.77E-06	4.32E-06	1.97E-06	1.97E-06	0.00E+00	0.00E+00	8.60E-07	1.62E-07	1.03E-06	1.58E-07	1.53E-07	2.36E-06
360	489238.17	3859871.48	5.00E-03	5.10E-03	5.09E-03	1.73E-06	5.22E-06	3.02E-06	3.08E-06	2.80E-06	1.28E-06	1.27E-06	0.00E+00	0.00E+00	5.56E-07	1.05E-07	6.64E-07	1.02E-07	9.87E-08	1.53E-06
361	489288.17	3859871.48	5.23E-03	5.34E-03	5.33E-03	1.81E-06	5.46E-06	3.16E-06	3.23E-06	2.93E-06	1.34E-06	1.33E-06	0.00E+00	0.00E+00	5.82E-07	1.10E-07	6.95E-07	1.07E-07	1.03E-07	1.60E-06
362	489338.17	3859871.48	5.48E-03	5.59E-03	5.58E-03	1.90E-06	5.73E-06	3.31E-06	3.38E-06	3.07E-06	1.40E-06	1.40E-06	0.00E+00	0.00E+00	6.10E-07	1.15E-07	7.28E-07	1.12E-07	1.08E-07	1.67E-06
363	489388.17	3859871.48	5.76E-03	5.88E-03	5.87E-03	1.99E-06	6.02E-06	3.48E-06	3.56E-06	3.22E-06	1.47E-06	1.47E-06	0.00E+00	0.00E+00	6.41E-07	1.21E-07	7.66E-07	1.18E-07	1.14E-07	1.76E-06
364	489438.17	3859871.48	6.07E-03	6.20E-03	6.19E-03	2.10E-06	6.35E-06	3.67E-06	3.75E-06	3.40E-06	1.55E-06	1.55E-06	0.00E+00	0.00E+00	6.76E-07	1.27E-07	8.08E-07	1.25E-07	1.20E-07	1.86E-06
365	489488.17	3859871.48	6.39E-03	6.52E-03	6.51E-03	2.21E-06	6.68E-06	3.87E-06	3.94E-06	3.58E-06	1.63E-06	1.63E-06	0.00E+00	0.00E+00	7.11E-07	1.34E-07	8.49E-07	1.31E-07	1.26E-07	1.95E-06
366	489538.17	3859871.48	6.71E-03	6.84E-03	6.83E-03	2.32E-06	7.01E-06	4.06E-06	4.14E-06	3.75E-06	1.71E-06	1.71E-06	0.00E+00	0.00E+00	7.46E-07	1.41E-07	8.92E-07	1.38E-07	1.32E-07	2.05E-06
367	489588.17	3859871.48	7.05E-03	7.19E-03	7.18E-03	2.44E-06	7.37E-06	4.26E-06	4.35E-06	3.94E-06	1.80E-06	1.80E-06	0.00E+00	0.00E+00	7.85E-07	1.48E-07	9.37E-07	1.45E-07	1.39E-07	2.15E-06
368	489238.17	3859921.48	4.71E-03	4.81E-03	4.81E-03	1.63E-06	4.93E-06	2.85E-06	2.91E-06	2.64E-06	1.20E-06	1.20E-06	0.00E+00	0.00E+00	5.25E-07	9.88E-08	6.27E-07	9.67E-08	9.31E-08	1.44E-06
369	489288.17	3859921.48	4.94E-03	5.04E-03	5.03E-03	1.71E-06	5.16E-06	2.99E-06	3.05E-06	2.76E-06	1.26E-06	1.26E-06	0.00E+00	0.00E+00	5.50E-07	1.03E-07	6.56E-07	1.01E-07	9.75E-08	1.51E-06
370	489338.17	3859921.48	5.16E-03	5.26E-03	5.26E-03	1.78E-06	5.39E-06	3.12E-06	3.18E-06	2.89E-06	1.32E-06	1.32E-06	0.00E+00	0.00E+00	5.74E-07	1.08E-07	6.86E-07	1.06E-07	1.02E-07	1.58E-06
371	489388.17	3859921.48	5.40E-03	5.51E-03	5.51E-03	1.87E-06	5.65E-06	3.27E-06	3.34E-06	3.02E-06	1.38E-06	1.38E-06	0.00E+00	0.00E+00	6.01E-07	1.13E-07	7.18E-07	1.11E-07	1.07E-07	1.65E-06
372	489438.17	3859921.48	5.66E-03	5.77E-03	5.77E-03	1.96E-06	5.91E-06	3.42E-06	3.49E-06	3.17E-06	1.44E-06	1.44E-06	0.00E+00	0.00E+00	6.30E-07	1.19E-07	7.52E-07	1.16E-07	1.12E-07	1.73E-06
373	489488.17	3859921.48	5.91E-03	6.03E-03	6.02E-03	2.04E-06	6.17E-06	3.57E-06	3.65E-06	3.31E-06	1.51E-06	1.51E-06	0.00E+00	0.00E+00	6.57E-07	1.24E-07	7.85E-07	1.21E-07	1.17E-07	1.80E-06
374	489538.17	3859921.48	6.17E-03	6.30E-03	6.29E-03	2.14E-06	6.45E-06	3.73E-06	3.81E-06	3.45E-06	1.58E-06	1.57E-06	0.00E+00	0.00E+00	6.87E-07	1.29E-07	8.20E-07	1.27E-07	1.22E-07	1.88E-06
375	489588.17	3859921.48	6.43E-03	6.56E-03	6.55E-03	2.22E-06	6.72E-06	3.89E-06	3.97E-06	3.60E-06	1.64E-06	1.64E-06	0.00E+00	0.00E+00	7.15E-07	1.35E-07	8.55E-07	1.32E-07	1.27E-07	1.96E-06
376	489238.17	3859971.48	4.46E-03	4.56E-03	4.55E-03	1.55E-06	4.67E-06	2.70E-06	2.76E-06	2.50E-06	1.14E-06	1.14E-06	0.00E+00	0.00E+00	4.97E-07	9.36E-08	5.94E-07	9.16E-08	8.82E-08	1.36E-06
377	489288.17	3859971.48	4.65E-03	4.75E-03	4.74E-03	1.61E-06	4.86E-06	2.81E-06	2.87E-06	2.60E-06	1.19E-06	1.19E-06	0.00E+00	0.00E+00	5.18E-07	9.75E-08	6.18E-07	9.54E-08	9.19E-08	1.42E-06
378	489338.17	3859971.48	4.85E-03	4.95E-03	4.95E-03	1.68E-06	5.07E-06	2.94E-06	3.00E-06	2.72E-06	1.24E-06	1.24E-06	0.00E+00	0.00E+00	5.40E-07	1.02E-07	6.45E-07	9.95E-08	9.59E-08	1.48E-06
379	489388.17	3859971.48	5.07E-03	5.17E-03	5.16E-03	1.75E-06	5.30E-06	3.07E-06	3.13E-06	2.84E-06	1.29E-06	1.29E-06	0.00E+00	0.00E+00	5.64E-07	1.06E-07	6.74E-07	1.04E-07	1.00E-07	1.55E-06
380	489438.17	3859971.48	5.25E-03	5.36E-03	5.35E-03	1.82E-06	5.49E-06	3.18E-06	3.24E-06	2.94E-06	1.34E-06	1.34E-06	0.00E+00	0.00E+00	5.84E-07	1.10E-07	6.98E-07	1.08E-07	1.04E-07	1.60E-06
381	489488.17	3859971.48	5.31E-03	5.42E-03	5.42E-03	1.84E-06	5.55E-06	3.21E-06	3.28E-06	2.97E-06	1.36E-06	1.36E-06	0.00E+00	0.00E+00	5.91E-07	1.11E-07	7.07E-07	1.09E-07	1.05E-07	1.62E-06
382	489538.17	3859971.48	5.40E-03	5.51E-03	5.50E-03	1.87E-06	5.64E-06	3.26E-06	3.33E-06	3.02E-06	1.38E-06	1.38E-06	0.00E+00	0.00E+00	6.01E-07	1.13E-07	7.18E-07	1.11E-07	1.07E-07	1.65E-06
383	489588.17	3859971.48	5.47E-03	5.58E-03	5.58E-03	1.89E-06	5.72E-06	3.31E-06	3.38E-06	3.06E-06	1.40E-06	1.40E-06	0.00E+00	0.00E+00	6.09E-07	1.15E-07	7.28E-07	1.12E-07	1.08E-07	1.67E-06
384	483577.7	3854071	2.72E-03	2.77E-03	2.77E-03	9.41E-07	2.84E-06	1.64E-06	1.68E-06	1.52E-06	6.94E-07	6.93E-07	0.00E+00	0.00E+00	3.03E-07	5.70E-08	3.61E-07	5.57E-08	5.37E-08	8.30E-07
385	483627.7	3854071	2.71E-03	2.76E-03	2.76E-03	9.37E-07	2.83E-06	1.64E-06	1.67E-06	1.51E-06	6.91E-07	6.90E-07	0.00E+00	0.00E+00	3.01E-07	5.67E-08	3.60E-07	5.55E-08	5.34E-08	8.27E-07

386	483677.7	3854071	2.69E-03	2.74E-03	2.74E-03	9.30E-07	2.81E-06	1.63E-06	1.66E-06	1.50E-06	6.86E-07	6.85E-07	0.00E+00	0.00E+00	2.99E-07	5.63E-08	3.57E-07	5.51E-08	5.31E-08	8.21E-07
387	483727.7	3854071	2.67E-03	2.72E-03	2.72E-03	9.23E-07	2.79E-06	1.61E-06	1.65E-06	1.49E-06	6.81E-07	6.80E-07	0.00E+00	0.00E+00	2.97E-07	5.59E-08	3.55E-07	5.47E-08	5.27E-08	8.15E-07
388	483777.7	3854071	2.63E-03	2.68E-03	2.68E-03	9.09E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.71E-07	6.70E-07	0.00E+00	0.00E+00	2.92E-07	5.50E-08	3.49E-07	5.39E-08	5.19E-08	8.02E-07
389	483577.7	3854121	2.57E-03	2.62E-03	2.62E-03	8.90E-07	2.69E-06	1.56E-06	1.59E-06	1.44E-06	6.57E-07	6.56E-07	0.00E+00	0.00E+00	2.86E-07	5.39E-08	3.42E-07	5.27E-08	5.08E-08	7.86E-07
390	483627.7	3854121	2.55E-03	2.60E-03	2.60E-03	8.83E-07	2.67E-06	1.54E-06	1.58E-06	1.43E-06	6.52E-07	6.51E-07	0.00E+00	0.00E+00	2.84E-07	5.35E-08	3.39E-07	5.23E-08	5.04E-08	7.80E-07
391	483677.7	3854121	2.52E-03	2.57E-03	2.57E-03	8.73E-07	2.64E-06	1.53E-06	1.56E-06	1.41E-06	6.44E-07	6.43E-07	0.00E+00	0.00E+00	2.81E-07	5.28E-08	3.35E-07	5.17E-08	4.98E-08	7.70E-07
392	483727.7	3854121	2.49E-03	2.54E-03	2.53E-03	8.61E-07	2.60E-06	1.50E-06	1.54E-06	1.39E-06	6.35E-07	6.34E-07	0.00E+00	0.00E+00	2.77E-07	5.21E-08	3.31E-07	5.10E-08	4.91E-08	7.60E-07
393	483777.7	3854121	2.46E-03	2.51E-03	2.51E-03	8.53E-07	2.58E-06	1.49E-06	1.52E-06	1.38E-06	6.29E-07	6.29E-07	0.00E+00	0.00E+00	2.74E-07	5.16E-08	3.28E-07	5.05E-08	4.87E-08	7.53E-07
394	483577.7	3854171	2.42E-03	2.47E-03	2.46E-03	8.37E-07	2.53E-06	1.46E-06	1.49E-06	1.35E-06	6.17E-07	6.16E-07	0.00E+00	0.00E+00	2.69E-07	5.06E-08	3.21E-07	4.96E-08	4.77E-08	7.38E-07
395	483627.7	3854171	2.38E-03	2.43E-03	2.43E-03	8.25E-07	2.49E-06	1.44E-06	1.47E-06	1.33E-06	6.09E-07	6.08E-07	0.00E+00	0.00E+00	2.65E-07	5.00E-08	3.17E-07	4.89E-08	4.71E-08	7.28E-07
396	483677.7	3854171	2.36E-03	2.41E-03	2.40E-03	8.16E-07	2.47E-06	1.43E-06	1.46E-06	1.32E-06	6.02E-07	6.02E-07	0.00E+00	0.00E+00	2.63E-07	4.94E-08	3.14E-07	4.84E-08	4.66E-08	7.21E-07
397	483727.7	3854171	2.34E-03	2.39E-03	2.38E-03	8.10E-07	2.45E-06	1.42E-06	1.44E-06	1.31E-06	5.97E-07	5.97E-07	0.00E+00	0.00E+00	2.60E-07	4.90E-08	3.11E-07	4.80E-08	4.62E-08	7.15E-07
398	483777.7	3854171	2.32E-03	2.36E-03	2.36E-03	8.01E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.91E-07	5.91E-07	0.00E+00	0.00E+00	2.58E-07	4.85E-08	3.08E-07	4.75E-08	4.57E-08	7.07E-07
399	483827.7	3854171	2.27E-03	2.32E-03	2.31E-03	7.86E-07	2.37E-06	1.37E-06	1.40E-06	1.27E-06	5.80E-07	5.79E-07	0.00E+00	0.00E+00	2.53E-07	4.76E-08	3.02E-07	4.65E-08	4.48E-08	6.93E-07
400	483877.7	3854171	2.24E-03	2.29E-03	2.29E-03	7.77E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.73E-07	5.72E-07	0.00E+00	0.00E+00	2.50E-07	4.70E-08	2.98E-07	4.60E-08	4.43E-08	6.86E-07
401	483727.7	3854221	2.21E-03	2.25E-03	2.25E-03	7.65E-07	2.31E-06	1.34E-06	1.36E-06	1.24E-06	5.64E-07	5.64E-07	0.00E+00	0.00E+00	2.46E-07	4.63E-08	2.94E-07	4.53E-08	4.36E-08	6.75E-07
402	483777.7	3854221	2.18E-03	2.23E-03	2.23E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.58E-07	5.57E-07	0.00E+00	0.00E+00	2.43E-07	4.58E-08	2.90E-07	4.48E-08	4.31E-08	6.67E-07
403	483827.7	3854221	2.18E-03	2.23E-03	2.23E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.58E-07	5.57E-07	0.00E+00	0.00E+00	2.43E-07	4.58E-08	2.90E-07	4.48E-08	4.31E-08	6.67E-07
404	483877.7	3854221	2.15E-03	2.19E-03	2.19E-03	7.44E-07	2.25E-06	1.30E-06	1.33E-06	1.20E-06	5.49E-07	5.48E-07	0.00E+00	0.00E+00	2.39E-07	4.50E-08	2.86E-07	4.41E-08	4.25E-08	6.57E-07
405	489150.19	3858726.45	5.68E-03	5.80E-03	5.79E-03	1.97E-06	5.94E-06	3.44E-06	3.51E-06	3.18E-06	1.45E-06	1.45E-06	0.00E+00	0.00E+00	6.32E-07	1.19E-07	7.55E-07	1.16E-07	1.12E-07	1.74E-06
406	489200.19	3858726.45	5.84E-03	5.96E-03	5.95E-03	2.02E-06	6.10E-06	3.53E-06	3.60E-06	3.27E-06	1.49E-06	1.49E-06	0.00E+00	0.00E+00	6.50E-07	1.22E-07	7.76E-07	1.20E-07	1.15E-07	1.78E-06
407	489150.19	3858776.45	7.97E-03	8.13E-03	8.12E-03	2.76E-06	8.33E-06	4.82E-06	4.92E-06	4.46E-06	2.04E-06	2.03E-06	0.00E+00	0.00E+00	8.87E-07	1.67E-07	1.06E-06	1.63E-07	1.57E-07	2.43E-06
408	489200.19	3858776.45	8.11E-03	8.28E-03	8.27E-03	2.81E-06	8.48E-06	4.91E-06	5.01E-06	4.54E-06	2.07E-06	2.07E-06	0.00E+00	0.00E+00	9.03E-07	1.70E-07	1.08E-06	1.66E-07	1.60E-07	2.48E-06
409	488919.6	3856400.76	9.14E-04	9.33E-04	9.32E-04	3.17E-07	9.56E-07	5.53E-07	5.65E-07	5.12E-07	2.34E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.79E-07
410	488919.6	3856450.76	9.09E-04	9.27E-04	9.26E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.78E-07
411	488969.6	3856450.76	9.09E-04	9.28E-04	9.27E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.86E-08	1.80E-08	2.78E-07
412	488919.6	3856500.76	9.04E-04	9.22E-04	9.21E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.89E-08	1.20E-07	1.85E-08	1.79E-08	2.76E-07
413	488969.6	3856500.76	9.05E-04	9.23E-04	9.22E-04	3.13E-07	9.46E-07	5.48E-07	5.59E-07	5.06E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.20E-07	1.86E-08	1.79E-08	2.76E-07
414	488919.6	3856550.76	9.00E-04	9.19E-04	9.18E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.75E-07
415	488969.6	3856550.76	9.01E-04	9.19E-04	9.18E-04	3.12E-07	9.42E-07	5.45E-07	5.56E-07	5.04E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.75E-07
416	488819.6	3856600.76	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.96E-08	1.87E-08	1.19E-07	1.83E-08	1.77E-08	2.73E-07
417	488869.6	3856600.76	8.95E-04	9.14E-04	9.13E-04	3.10E-07	9.36E-07	5.42E-07	5.53E-07	5.01E-07	2.29E-07	2.28E-07	0.00E+00	0.00E+00	9.97E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
418	488919.6	3856600.76	8.97E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.43E-07	5.54E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.98E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
419	488819.6	3856650.76	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.32E-07	5.40E-07	5.51E-07	4.99E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.93E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
420	488869.6	3856650.76	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.94E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
421	488819.6	3856700.76	8.91E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.99E-07	2.28E-07	2.27E-07	0.00E+00	0.00E+00	9.92E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
422	488869.6	3856700.76	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.32E-07	5.40E-07	5.51E-07	4.99E-07	2.28E-07	2.27E-07	0.00E+00	0.00E+00	9.93E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.72E-07
423	488819.6	3856750.76	8.90E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.91E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
424	488869.6	3856750.76	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.32E-07	5.40E-07	5.51E-07	4.99E-07	2.28E-07	2.27E-07	0.00E+00	0.00E+00	9.93E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.72E-07
425	488819.6	3857050.76	9.21E-04	9.39E-04	9.38E-04	3.19E-07	9.62E-07	5.57E-07	5.68E-07	5.15E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.22E-07	1.89E-08	1.82E-08	2.81E-07
426	488869.6	3857050.76	9.19E-04	9.38E-04	9.37E-04	3.18E-07	9.61E-07	5.56E-07	5.67E-07	5.14E-07	2.35E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.22E-07	1.88E-08	1.82E-08	2.81E-07
427	488919.6	3857050.76	9.17E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.66E-07	5.13E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
428	488819.6	3857100.76	9.32E-04	9.51E-04	9.50E-04	3.23E-07	9.74E-07	5.64E-07	5.75E-07	5.21E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07
429	488869.6	3857100.76	9.29E-04	9.48E-04	9.47E-04	3.22E-07	9.71E-07	5.62E-07	5.73E-07	5.20E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.24E-07	1.90E-08	1.83E-08	2.84E-07
430	488919.6	3857100.76	9.27E-04	9.46E-04	9.45E-04	3.21E-07	9.69E-07	5.61E-07	5.73E-07	5.19E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
431	488819.6	3857150.76	9.45E-04	9.64E-04	9.63E-04	3.27E-07	9.87E-07	5.72E-07	5.83E-07	5.29E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.87E-08	2.89E-07
432	488869.6	3857150.76	9.42E-04	9.61E-04	9.60E-04	3.26E-07	9.84E-07	5.70E-07	5.81E-07	5.27E-07	2.41E-07	2.40E-07	0.00E+00	0.00E+00	1.05E-07	1.97E-08	1.25E-07	1.93E-08	1.86E-08	2.88E-07
433	488919.6	3857150.76	9.39E-04	9.58E-04	9.57E-04	3.25E-07	9.81E-07	5.68E-07	5.79E-07	5.25E-07	2.40E-07	2.39E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.92E-08	1.85E-08	2.87E-07
434	488969.6	3857150.76	9.36E-04	9.55E-04	9.54E-04	3.24E-07	9.78E-07	5.66E-07	5.78E-07	5.24E-07	2.39E-07	2.39E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.85E-08	2.86E-07
435	488819.6	3857200.76	9.60E-04	9.80E-04	9.78E-04	3.32E-07	1.00E-06	5.81E-07	5.93E-07	5.37E-07	2.45E-07	2.45E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.28E-07	1.97E-08	1.90E-08	2.93E-07
436	488869.6	3857200.76	9.57E-04	9.76E-04	9.75E-04	3.31E-07	1.00E-06	5.79E-07	5.91E-07	5.35E-07	2.44E-07	2.44E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.27E-07	1.96E-08	1.89E-08	2.92E-07
437	488919.6	3857200.76	9.53E-04	9.72E-04	9.71E-04	3.30E-07	9.96E-07	5.77E-07	5.88E-07	5.33E-07	2.43E-07	2.43E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.95E-08	1.88E-08	2.91E-07
438	488969.6	3857200.76	9.49E-04	9.68E-04	9.67E-04	3.28E-07	9.91E-07	5.74E-07	5.86E-07	5.31E-07	2.42E-07	2.42E-07	0.00E+00	0.00E+00	1.06E-07	1.99E-08	1.26E-07	1.95E-08	1.87E-08	2.90E-07
439	488819.6	3857250.76	9.76E-04	9.96E-04	9.95E-04	3.38E-07	1.02E-06	5.91E-07	6.03E-07	5.46E-07	2.49E-07	2.49E-07	0.00E+00	0.00E+00	1.09E-07	2.05E-08	1.30E-07	2.00E-08	1.93E-08	2.98E-07
440	488869.6	3857250.76	9.72E-04	9.92E-04	9.91E-04	3.37E-07	1.02E-06	5.88E-07	6.00E-07	5.44E-07	2.48E-07	2.48E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.29E-07	1.99E-08	1.92E-08	2.97E-07
441	488919.6	3857250.76	9.68E-04	9.88E-04	9.87E-04	3.35E-07	1.01E-06	5.86E-07	5.98E-07	5.42E-07	2.47E-07	2.47E-07	0.00E+00	0.00E+00	1.08E-07	2.03E-08	1.29E-07	1.99E-08	1.91E-08	2.96E-07

442	488969.6	3857250.76	9.64E-04	9.84E-04	9.82E-04	3.34E-07	1.01E-06	5.83E-07	5.95E-07	5.39E-07	2.46E-07	2.46E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.98E-08	1.90E-08	2.94E-07
443	488819.6	3857300.76	9.95E-04	1.02E-03	1.01E-03	3.45E-07	1.04E-06	6.02E-07	6.15E-07	5.57E-07	2.54E-07	2.54E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.32E-07	2.04E-08	1.97E-08	3.04E-07
444	488869.6	3857300.76	9.91E-04	1.01E-03	1.01E-03	3.43E-07	1.04E-06	6.00E-07	6.12E-07	5.55E-07	2.53E-07	2.53E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.03E-08	1.96E-08	3.03E-07
445	488919.6	3857300.76	9.87E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.97E-07	6.09E-07	5.52E-07	2.52E-07	2.52E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.31E-07	2.02E-08	1.95E-08	3.01E-07
446	488819.6	3857450.76	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.42E-07	6.55E-07	5.94E-07	2.71E-07	2.71E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.18E-08	2.10E-08	3.24E-07
447	488869.6	3857450.76	1.06E-03	1.08E-03	1.08E-03	3.66E-07	1.10E-06	6.40E-07	6.53E-07	5.92E-07	2.70E-07	2.70E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.17E-08	2.09E-08	3.23E-07
448	488919.6	3857450.76	1.05E-03	1.08E-03	1.07E-03	3.65E-07	1.10E-06	6.38E-07	6.51E-07	5.90E-07	2.69E-07	2.69E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	2.08E-08	3.22E-07
449	488819.6	3857500.76	1.09E-03	1.11E-03	1.11E-03	3.76E-07	1.13E-06	6.57E-07	6.70E-07	6.08E-07	2.77E-07	2.77E-07	0.00E+00	0.00E+00	1.21E-07	2.27E-08	1.44E-07	2.23E-08	2.14E-08	3.32E-07
450	488869.6	3857500.76	1.08E-03	1.11E-03	1.10E-03	3.75E-07	1.13E-06	6.55E-07	6.69E-07	6.06E-07	2.77E-07	2.76E-07	0.00E+00	0.00E+00	1.21E-07	2.27E-08	1.44E-07	2.22E-08	2.14E-08	3.31E-07
451	488919.6	3857500.76	1.08E-03	1.10E-03	1.10E-03	3.74E-07	1.13E-06	6.53E-07	6.67E-07	6.04E-07	2.76E-07	2.75E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.44E-07	2.21E-08	2.13E-08	3.30E-07
452	488819.6	3857550.76	1.11E-03	1.14E-03	1.13E-03	3.85E-07	1.16E-06	6.73E-07	6.87E-07	6.23E-07	2.84E-07	2.84E-07	0.00E+00	0.00E+00	1.24E-07	2.33E-08	1.48E-07	2.28E-08	2.20E-08	3.40E-07
453	488869.6	3857550.76	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.72E-07	6.86E-07	6.21E-07	2.84E-07	2.83E-07	0.00E+00	0.00E+00	1.24E-07	2.33E-08	1.48E-07	2.28E-08	2.19E-08	3.39E-07
454	488919.6	3857550.76	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.70E-07	6.84E-07	6.20E-07	2.83E-07	2.83E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.19E-08	3.38E-07
455	489663.71	3860900.05	2.20E-03	2.25E-03	2.25E-03	7.63E-07	2.30E-06	1.33E-06	1.36E-06	1.23E-06	5.63E-07	5.62E-07	0.00E+00	0.00E+00	2.45E-07	4.62E-08	2.93E-07	4.52E-08	4.35E-08	6.73E-07
456	489813.71	3860900.05	2.32E-03	2.37E-03	2.37E-03	8.03E-07	2.43E-06	1.40E-06	1.43E-06	1.30E-06	5.93E-07	5.92E-07	0.00E+00	0.00E+00	2.58E-07	4.86E-08	3.09E-07	4.76E-08	4.58E-08	7.09E-07
457	489863.71	3860900.05	2.35E-03	2.40E-03	2.40E-03	8.15E-07	2.46E-06	1.42E-06	1.45E-06	1.32E-06	6.01E-07	6.01E-07	0.00E+00	0.00E+00	2.62E-07	4.93E-08	3.13E-07	4.83E-08	4.65E-08	7.19E-07
458	489913.71	3860900.05	2.40E-03	2.45E-03	2.45E-03	8.32E-07	2.51E-06	1.46E-06	1.48E-06	1.35E-06	6.14E-07	6.13E-07	0.00E+00	0.00E+00	2.68E-07	5.04E-08	3.20E-07	4.93E-08	4.75E-08	7.35E-07
459	489963.71	3860900.05	2.44E-03	2.49E-03	2.49E-03	8.45E-07	2.55E-06	1.48E-06	1.51E-06	1.37E-06	6.24E-07	6.23E-07	0.00E+00	0.00E+00	2.72E-07	5.12E-08	3.25E-07	5.01E-08	4.82E-08	7.46E-07
460	490013.71	3860900.05	2.50E-03	2.55E-03	2.54E-03	8.64E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.38E-07	6.37E-07	0.00E+00	0.00E+00	2.78E-07	5.23E-08	3.32E-07	5.12E-08	4.93E-08	7.63E-07
461	490063.71	3860900.05	2.55E-03	2.60E-03	2.59E-03	8.81E-07	2.66E-06	1.54E-06	1.57E-06	1.42E-06	6.50E-07	6.49E-07	0.00E+00	0.00E+00	2.83E-07	5.33E-08	3.39E-07	5.22E-08	5.03E-08	7.78E-07
462	489663.71	3860950.05	2.12E-03	2.17E-03	2.16E-03	7.35E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.42E-07	5.41E-07	0.00E+00	0.00E+00	2.36E-07	4.45E-08	2.82E-07	4.35E-08	4.19E-08	6.49E-07
463	489813.71	3860950.05	2.23E-03	2.27E-03	2.27E-03	7.72E-07	2.33E-06	1.35E-06	1.38E-06	1.25E-06	5.69E-07	5.69E-07	0.00E+00	0.00E+00	2.48E-07	4.67E-08	2.96E-07	4.57E-08	4.40E-08	6.81E-07
464	489863.71	3860950.05	2.26E-03	2.30E-03	2.30E-03	7.82E-07	2.36E-06	1.37E-06	1.39E-06	1.26E-06	5.77E-07	5.76E-07	0.00E+00	0.00E+00	2.51E-07	4.73E-08	3.00E-07	4.63E-08	4.46E-08	6.90E-07
465	489913.71	3860950.05	2.30E-03	2.35E-03	2.34E-03	7.96E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.87E-07	5.87E-07	0.00E+00	0.00E+00	2.56E-07	4.82E-08	3.06E-07	4.72E-08	4.54E-08	7.03E-07
466	489963.71	3860950.05	2.34E-03	2.38E-03	2.38E-03	8.09E-07	2.44E-06	1.41E-06	1.44E-06	1.31E-06	5.97E-07	5.96E-07	0.00E+00	0.00E+00	2.60E-07	4.90E-08	3.11E-07	4.79E-08	4.62E-08	7.14E-07
467	490013.71	3860950.05	2.38E-03	2.43E-03	2.43E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.33E-06	6.08E-07	6.07E-07	0.00E+00	0.00E+00	2.65E-07	4.99E-08	3.16E-07	4.88E-08	4.70E-08	7.27E-07
468	490063.71	3860950.05	2.43E-03	2.48E-03	2.47E-03	8.40E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.20E-07	6.19E-07	0.00E+00	0.00E+00	2.70E-07	5.08E-08	3.23E-07	4.98E-08	4.79E-08	7.41E-07
469	489513.71	3861000.05	1.96E-03	2.00E-03	2.00E-03	6.78E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	5.01E-07	5.00E-07	0.00E+00	0.00E+00	2.18E-07	4.11E-08	2.61E-07	4.02E-08	3.87E-08	5.99E-07
470	489563.71	3861000.05	1.99E-03	2.03E-03	2.02E-03	6.88E-07	2.08E-06	1.20E-06	1.23E-06	1.11E-06	5.07E-07	5.07E-07	0.00E+00	0.00E+00	2.21E-07	4.16E-08	2.64E-07	4.07E-08	3.92E-08	6.07E-07
471	489613.71	3861000.05	2.02E-03	2.06E-03	2.06E-03	6.99E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	5.15E-07	0.00E+00	0.00E+00	2.25E-07	4.23E-08	2.68E-07	4.14E-08	3.99E-08	6.17E-07
472	489663.71	3861000.05	2.05E-03	2.09E-03	2.09E-03	7.09E-07	2.14E-06	1.24E-06	1.26E-06	1.15E-06	5.23E-07	5.23E-07	0.00E+00	0.00E+00	2.28E-07	4.29E-08	2.72E-07	4.20E-08	4.05E-08	6.26E-07
473	489713.71	3861000.05	2.08E-03	2.12E-03	2.12E-03	7.19E-07	2.17E-06	1.26E-06	1.28E-06	1.16E-06	5.30E-07	5.30E-07	0.00E+00	0.00E+00	2.31E-07	4.35E-08	2.76E-07	4.26E-08	4.10E-08	6.34E-07
474	489763.71	3861000.05	2.11E-03	2.15E-03	2.15E-03	7.29E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.38E-07	5.37E-07	0.00E+00	0.00E+00	2.34E-07	4.41E-08	2.80E-07	4.32E-08	4.16E-08	6.44E-07
475	489813.71	3861000.05	2.15E-03	2.19E-03	2.19E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.20E-06	5.48E-07	5.47E-07	0.00E+00	0.00E+00	2.39E-07	4.50E-08	2.85E-07	4.40E-08	4.24E-08	6.56E-07
476	489863.71	3861000.05	2.17E-03	2.22E-03	2.21E-03	7.52E-07	2.27E-06	1.31E-06	1.34E-06	1.22E-06	5.55E-07	5.54E-07	0.00E+00	0.00E+00	2.42E-07	4.55E-08	2.89E-07	4.45E-08	4.29E-08	6.63E-07
477	489913.71	3861000.05	2.21E-03	2.25E-03	2.25E-03	7.65E-07	2.31E-06	1.34E-06	1.36E-06	1.24E-06	5.64E-07	5.64E-07	0.00E+00	0.00E+00	2.46E-07	4.63E-08	2.94E-07	4.53E-08	4.36E-08	6.75E-07
478	489963.71	3861000.05	2.24E-03	2.28E-03	2.28E-03	7.75E-07	2.34E-06	1.35E-06	1.38E-06	1.25E-06	5.72E-07	5.71E-07	0.00E+00	0.00E+00	2.49E-07	4.69E-08	2.98E-07	4.59E-08	4.42E-08	6.84E-07
479	490013.71	3861000.05	2.28E-03	2.32E-03	2.32E-03	7.88E-07	2.38E-06	1.38E-06	1.41E-06	1.27E-06	5.82E-07	5.81E-07	0.00E+00	0.00E+00	2.53E-07	4.77E-08	3.03E-07	4.67E-08	4.50E-08	6.96E-07
480	490063.71	3861000.05	2.32E-03	2.36E-03	2.36E-03	8.02E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.91E-07	5.91E-07	0.00E+00	0.00E+00	2.58E-07	4.85E-08	3.08E-07	4.75E-08	4.57E-08	7.07E-07
481	489513.71	3861050.05	1.90E-03	1.94E-03	1.94E-03	6.57E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.85E-07	4.84E-07	0.00E+00	0.00E+00	2.11E-07	3.98E-08	2.53E-07	3.89E-08	3.75E-08	5.80E-07
482	489563.71	3861050.05	1.92E-03	1.96E-03	1.96E-03	6.66E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.91E-07	4.91E-07	0.00E+00	0.00E+00	2.14E-07	4.03E-08	2.56E-07	3.94E-08	3.80E-08	5.88E-07
483	489613.71	3861050.05	1.96E-03	2.00E-03	1.99E-03	6.77E-07	2.05E-06	1.18E-06	1.21E-06	1.10E-06	5.00E-07	4.99E-07	0.00E+00	0.00E+00	2.18E-07	4.10E-08	2.60E-07	4.01E-08	3.86E-08	5.98E-07
484	489663.71	3861050.05	1.98E-03	2.02E-03	2.02E-03	6.85E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	5.05E-07	5.05E-07	0.00E+00	0.00E+00	2.20E-07	4.15E-08	2.63E-07	4.06E-08	3.91E-08	6.04E-07
485	489713.71	3861050.05	2.00E-03	2.04E-03	2.04E-03	6.93E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.11E-07	5.11E-07	0.00E+00	0.00E+00	2.23E-07	4.20E-08	2.66E-07	4.11E-08	3.95E-08	6.12E-07
486	489763.71	3861050.05	2.03E-03	2.07E-03	2.07E-03	7.03E-07	2.12E-06	1.23E-06	1.25E-06	1.14E-06	5.19E-07	5.18E-07	0.00E+00	0.00E+00	2.26E-07	4.26E-08	2.70E-07	4.16E-08	4.01E-08	6.20E-07
487	489813.71	3861050.05	2.06E-03	2.10E-03	2.10E-03	7.14E-07	2.16E-06	1.25E-06	1.27E-06	1.15E-06	5.27E-07	5.26E-07	0.00E+00	0.00E+00	2.30E-07	4.32E-08	2.74E-07	4.23E-08	4.07E-08	6.30E-07
488	489863.71	3861050.05	2.09E-03	2.13E-03	2.13E-03	7.23E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.34E-07	5.33E-07	0.00E+00	0.00E+00	2.33E-07	4.38E-08	2.78E-07	4.28E-08	4.13E-08	6.38E-07
489	489913.71	3861050.05	2.12E-03	2.16E-03	2.16E-03	7.34E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.41E-07	5.41E-07	0.00E+00	0.00E+00	2.36E-07	4.44E-08	2.82E-07	4.35E-08	4.19E-08	6.47E-07
490	489963.71	3861050.05	2.15E-03	2.19E-03	2.19E-03	7.44E-07	2.25E-06	1.30E-06	1.33E-06	1.20E-06	5.49E-07	5.48E-07	0.00E+00	0.00E+00	2.39E-07	4.50E-08	2.86E-07	4.41E-08	4.24E-08	6.56E-07
491	490013.71	3861050.05	2.19E-03	2.23E-03	2.23E-03	7.57E-07	2.29E-06	1.32E-06	1.35E-06	1.22E-06	5.58E-07	5.58E-07	0.00E+00	0.00E+00	2.43E-07	4.58E-08	2.91E-07	4.48E-08	4.32E-08	6.68E-07
492	490063.71	3861050.05	2.22E-03	2.26E-03	2.26E-03	7.68E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.66E-07	0.00E+00	0.00E+00	2.47E-07	4.65E-08	2.95E-07	4.55E-08	4.38E-08	6.78E-07
493	489513.71	3861100.05	1.85E-03	1.88E-03	1.88E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.72E-07	4.71E-07	0.00E+00	0.00E+00	2.06E-07	3.87E-08	2.46E-07	3.79E-08	3.65E-08	5.64E-07
494	489563.71	3861100.05	1.86E-03	1.90E-03	1.90E-03	6.44E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.75E-07	4.75E-07	0.00E+00	0.00E+00	2.07E-07	3.90E-08	2.48E-07	3.82E-08	3.68E-08	5.69E-07
495	489613.71	3861100.05	1.88E-03	1.91E-03	1.91E-03	6.49E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.79E-07	4.79E-07	0.00E+00	0.00E+00	2.09E-07	3.93E-08	2.49E-07	3.85E-08	3.71E-08	5.73E-07
496	489663.71	3861100.05	1.90E-03	1.94E-03	1.94E-03	6.58E-07	1.99E-06	1.15E-06	1.17E-06	1.06E-06	4.86E-07	4.85E-07	0.00E+00	0.00E+00	2.12E-07	3.99E-08	2.53E-07	3.90E-08	3.76E-08	5.81E-07
497	489713.71	3861100.05	1.93E-03	1.97E-03	1.97E-03	6.67E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.92E-07	4.92E-07	0.00E+00	0.00E+00	2.15E-07	4.04E-08	2.56E-07	3.95E-08	3.81E-08	5.89E-07

498	489763.71	3861100.05	1.95E-03	1.99E-03	1.99E-03	6.76E-07	2.04E-06	1.18E-06	1.21E-06	1.09E-06	4.99E-07	4.98E-07	0.00E+00	0.00E+00	2.17E-07	4.09E-08	2.60E-07	4.01E-08	3.86E-08	5.97E-07
499	489813.71	3861100.05	1.98E-03	2.02E-03	2.02E-03	6.86E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	5.06E-07	5.06E-07	0.00E+00	0.00E+00	2.21E-07	4.16E-08	2.64E-07	4.07E-08	3.92E-08	6.06E-07
500	489863.71	3861100.05	2.02E-03	2.06E-03	2.05E-03	6.98E-07	2.11E-06	1.22E-06	1.24E-06	1.13E-06	5.15E-07	5.14E-07	0.00E+00	0.00E+00	2.24E-07	4.22E-08	2.68E-07	4.13E-08	3.98E-08	6.16E-07
501	489913.71	3861100.05	2.04E-03	2.08E-03	2.08E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.20E-07	5.20E-07	0.00E+00	0.00E+00	2.27E-07	4.27E-08	2.71E-07	4.18E-08	4.02E-08	6.22E-07
502	489963.71	3861100.05	2.06E-03	2.11E-03	2.10E-03	7.15E-07	2.16E-06	1.25E-06	1.27E-06	1.16E-06	5.27E-07	5.27E-07	0.00E+00	0.00E+00	2.30E-07	4.33E-08	2.74E-07	4.23E-08	4.08E-08	6.31E-07
503	490013.71	3861100.05	2.09E-03	2.13E-03	2.13E-03	7.23E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.33E-07	5.33E-07	0.00E+00	0.00E+00	2.32E-07	4.38E-08	2.78E-07	4.28E-08	4.13E-08	6.38E-07
504	490063.71	3861100.05	2.12E-03	2.16E-03	2.16E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.41E-07	5.40E-07	0.00E+00	0.00E+00	2.36E-07	4.44E-08	2.82E-07	4.34E-08	4.18E-08	6.47E-07
505	489713.71	3861150.05	1.86E-03	1.90E-03	1.89E-03	6.44E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.75E-07	4.74E-07	0.00E+00	0.00E+00	2.07E-07	3.90E-08	2.47E-07	3.81E-08	3.67E-08	5.68E-07
506	489763.71	3861150.05	1.88E-03	1.92E-03	1.92E-03	6.52E-07	1.97E-06	1.14E-06	1.16E-06	1.05E-06	4.81E-07	4.81E-07	0.00E+00	0.00E+00	2.10E-07	3.95E-08	2.51E-07	3.86E-08	3.72E-08	5.76E-07
507	489813.71	3861150.05	1.91E-03	1.95E-03	1.95E-03	6.61E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.88E-07	4.87E-07	0.00E+00	0.00E+00	2.13E-07	4.00E-08	2.54E-07	3.92E-08	3.77E-08	5.84E-07
508	489863.71	3861150.05	1.93E-03	1.97E-03	1.97E-03	6.70E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.94E-07	4.93E-07	0.00E+00	0.00E+00	2.15E-07	4.05E-08	2.57E-07	3.97E-08	3.82E-08	5.91E-07
509	489913.71	3861150.05	1.96E-03	2.00E-03	1.99E-03	6.77E-07	2.05E-06	1.18E-06	1.21E-06	1.10E-06	5.00E-07	4.99E-07	0.00E+00	0.00E+00	2.18E-07	4.10E-08	2.60E-07	4.01E-08	3.87E-08	5.98E-07
510	489963.71	3861150.05	1.98E-03	2.02E-03	2.02E-03	6.85E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	5.05E-07	5.05E-07	0.00E+00	0.00E+00	2.20E-07	4.15E-08	2.63E-07	4.06E-08	3.91E-08	6.04E-07
511	490013.71	3861150.05	2.00E-03	2.04E-03	2.04E-03	6.92E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.11E-07	5.10E-07	0.00E+00	0.00E+00	2.23E-07	4.19E-08	2.66E-07	4.10E-08	3.95E-08	6.11E-07
512	490063.71	3861150.05	2.03E-03	2.07E-03	2.07E-03	7.02E-07	2.12E-06	1.23E-06	1.25E-06	1.14E-06	5.18E-07	5.18E-07	0.00E+00	0.00E+00	2.26E-07	4.25E-08	2.70E-07	4.16E-08	4.01E-08	6.20E-07
513	489613.71	3861200.05	1.75E-03	1.78E-03	1.78E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.78E-07	4.46E-07	4.46E-07	0.00E+00	0.00E+00	1.95E-07	3.66E-08	2.32E-07	3.58E-08	3.45E-08	5.34E-07
514	489663.71	3861200.05	1.77E-03	1.81E-03	1.80E-03	6.13E-07	1.85E-06	1.07E-06	1.09E-06	9.91E-07	4.52E-07	4.52E-07	0.00E+00	0.00E+00	1.97E-07	3.71E-08	2.35E-07	3.63E-08	3.50E-08	5.41E-07
515	489713.71	3861200.05	1.79E-03	1.83E-03	1.83E-03	6.21E-07	1.88E-06	1.09E-06	1.11E-06	1.00E-06	4.58E-07	4.58E-07	0.00E+00	0.00E+00	2.00E-07	3.76E-08	2.39E-07	3.68E-08	3.54E-08	5.48E-07
516	489763.71	3861200.05	1.82E-03	1.85E-03	1.85E-03	6.29E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.64E-07	4.63E-07	0.00E+00	0.00E+00	2.02E-07	3.81E-08	2.42E-07	3.73E-08	3.59E-08	5.55E-07
517	489813.71	3861200.05	1.84E-03	1.88E-03	1.88E-03	6.37E-07	1.92E-06	1.11E-06	1.14E-06	1.03E-06	4.70E-07	4.69E-07	0.00E+00	0.00E+00	2.05E-07	3.86E-08	2.45E-07	3.77E-08	3.63E-08	5.62E-07
518	489863.71	3861200.05	1.87E-03	1.90E-03	1.90E-03	6.46E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.76E-07	4.76E-07	0.00E+00	0.00E+00	2.08E-07	3.91E-08	2.48E-07	3.83E-08	3.68E-08	5.70E-07
519	489913.71	3861200.05	1.88E-03	1.92E-03	1.92E-03	6.52E-07	1.97E-06	1.14E-06	1.16E-06	1.05E-06	4.81E-07	4.81E-07	0.00E+00	0.00E+00	2.10E-07	3.95E-08	2.51E-07	3.86E-08	3.72E-08	5.76E-07
520	489963.71	3861200.05	1.90E-03	1.94E-03	1.94E-03	6.59E-07	1.99E-06	1.15E-06	1.17E-06	1.06E-06	4.86E-07	4.85E-07	0.00E+00	0.00E+00	2.12E-07	3.99E-08	2.53E-07	3.90E-08	3.76E-08	5.81E-07
521	490013.71	3861200.05	1.92E-03	1.96E-03	1.96E-03	6.66E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.91E-07	4.91E-07	0.00E+00	0.00E+00	2.14E-07	4.03E-08	2.56E-07	3.95E-08	3.80E-08	5.88E-07
522	490063.71	3861200.05	1.94E-03	1.98E-03	1.98E-03	6.73E-07	2.03E-06	1.18E-06	1.20E-06	1.09E-06	4.97E-07	4.96E-07	0.00E+00	0.00E+00	2.16E-07	4.08E-08	2.59E-07	3.99E-08	3.84E-08	5.94E-07
523	489513.71	3861250.05	1.65E-03	1.68E-03	1.68E-03	5.70E-07	1.72E-06	9.97E-07	1.02E-06	9.22E-07	4.21E-07	4.20E-07	0.00E+00	0.00E+00	1.83E-07	3.45E-08	2.19E-07	3.38E-08	3.25E-08	5.03E-07
524	489563.71	3861250.05	1.67E-03	1.70E-03	1.70E-03	5.78E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.27E-07	4.26E-07	0.00E+00	0.00E+00	1.86E-07	3.50E-08	2.22E-07	3.43E-08	3.30E-08	5.10E-07
525	489613.71	3861250.05	1.69E-03	1.73E-03	1.72E-03	5.86E-07	1.77E-06	1.02E-06	1.04E-06	9.47E-07	4.32E-07	4.32E-07	0.00E+00	0.00E+00	1.88E-07	3.55E-08	2.25E-07	3.47E-08	3.34E-08	5.17E-07
526	489663.71	3861250.05	1.71E-03	1.75E-03	1.74E-03	5.92E-07	1.79E-06	1.04E-06	1.06E-06	9.58E-07	4.37E-07	4.37E-07	0.00E+00	0.00E+00	1.91E-07	3.59E-08	2.28E-07	3.51E-08	3.38E-08	5.23E-07
527	489713.71	3861250.05	1.73E-03	1.77E-03	1.77E-03	6.00E-07	1.81E-06	1.05E-06	1.07E-06	9.69E-07	4.42E-07	4.42E-07	0.00E+00	0.00E+00	1.93E-07	3.63E-08	2.30E-07	3.55E-08	3.42E-08	5.29E-07
528	489763.71	3861250.05	1.75E-03	1.79E-03	1.79E-03	6.07E-07	1.83E-06	1.06E-06	1.08E-06	9.81E-07	4.48E-07	4.47E-07	0.00E+00	0.00E+00	1.95E-07	3.67E-08	2.33E-07	3.59E-08	3.46E-08	5.36E-07
529	489813.71	3861250.05	1.77E-03	1.81E-03	1.81E-03	6.14E-07	1.85E-06	1.07E-06	1.10E-06	9.93E-07	4.53E-07	4.52E-07	0.00E+00	0.00E+00	1.97E-07	3.72E-08	2.36E-07	3.64E-08	3.50E-08	5.42E-07
530	489863.71	3861250.05	1.79E-03	1.83E-03	1.83E-03	6.21E-07	1.87E-06	1.09E-06	1.11E-06	1.00E-06	4.58E-07	4.58E-07	0.00E+00	0.00E+00	2.00E-07	3.76E-08	2.39E-07	3.68E-08	3.54E-08	5.48E-07
531	489913.71	3861250.05	1.82E-03	1.85E-03	1.85E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.64E-07	4.63E-07	0.00E+00	0.00E+00	2.02E-07	3.80E-08	2.41E-07	3.72E-08	3.59E-08	5.55E-07
532	489963.71	3861250.05	1.83E-03	1.87E-03	1.87E-03	6.35E-07	1.92E-06	1.11E-06	1.13E-06	1.03E-06	4.68E-07	4.68E-07	0.00E+00	0.00E+00	2.04E-07	3.84E-08	2.44E-07	3.76E-08	3.62E-08	5.60E-07
533	490013.71	3861250.05	1.85E-03	1.89E-03	1.89E-03	6.41E-07	1.94E-06	1.12E-06	1.14E-06	1.04E-06	4.73E-07	4.72E-07	0.00E+00	0.00E+00	2.06E-07	3.88E-08	2.46E-07	3.80E-08	3.66E-08	5.66E-07
534	490063.71	3861250.05	1.87E-03	1.90E-03	1.90E-03	6.46E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.77E-07	4.76E-07	0.00E+00	0.00E+00	2.08E-07	3.91E-08	2.48E-07	3.83E-08	3.69E-08	5.70E-07
535	489528.13	3861308.47	1.59E-03	1.62E-03	1.62E-03	5.51E-07	1.66E-06	9.63E-07	9.82E-07	8.90E-07	4.06E-07	4.06E-07	0.00E+00	0.00E+00	1.77E-07	3.33E-08	2.12E-07	3.26E-08	3.14E-08	4.86E-07
536	489578.13	3861308.47	1.61E-03	1.64E-03	1.64E-03	5.58E-07	1.68E-06	9.75E-07	9.94E-07	9.01E-07	4.11E-07	4.11E-07	0.00E+00	0.00E+00	1.79E-07	3.38E-08	2.14E-07	3.30E-08	3.18E-08	4.92E-07
537	489628.13	3861308.47	1.63E-03	1.66E-03	1.66E-03	5.64E-07	1.70E-06	9.86E-07	1.01E-06	9.12E-07	4.16E-07	4.16E-07	0.00E+00	0.00E+00	1.81E-07	3.42E-08	2.17E-07	3.34E-08	3.22E-08	4.98E-07
538	489678.13	3861308.47	1.65E-03	1.68E-03	1.68E-03	5.71E-07	1.72E-06	9.98E-07	1.02E-06	9.23E-07	4.21E-07	4.21E-07	0.00E+00	0.00E+00	1.84E-07	3.46E-08	2.19E-07	3.38E-08	3.26E-08	5.04E-07
539	489728.13	3861308.47	1.67E-03	1.70E-03	1.70E-03	5.78E-07	1.74E-06	1.01E-06	1.03E-06	9.34E-07	4.26E-07	4.26E-07	0.00E+00	0.00E+00	1.86E-07	3.50E-08	2.22E-07	3.42E-08	3.30E-08	5.10E-07
540	489778.13	3861308.47	1.69E-03	1.72E-03	1.72E-03	5.84E-07	1.76E-06	1.02E-06	1.04E-06	9.44E-07	4.31E-07	4.30E-07	0.00E+00	0.00E+00	1.88E-07	3.53E-08	2.24E-07	3.46E-08	3.33E-08	5.15E-07
541	489678.13	3861358.47	1.59E-03	1.63E-03	1.62E-03	5.52E-07	1.67E-06	9.64E-07	9.84E-07	8.92E-07	4.07E-07	4.06E-07	0.00E+00	0.00E+00	1.77E-07	3.34E-08	2.12E-07	3.27E-08	3.15E-08	4.87E-07
542	489728.13	3861358.47	1.61E-03	1.64E-03	1.64E-03	5.57E-07	1.68E-06	9.74E-07	9.94E-07	9.01E-07	4.11E-07	4.11E-07	0.00E+00	0.00E+00	1.79E-07	3.37E-08	2.14E-07	3.30E-08	3.18E-08	4.92E-07
543	489528.13	3861408.47	1.49E-03	1.52E-03	1.52E-03	5.16E-07	1.56E-06	9.01E-07	9.20E-07	8.34E-07	3.80E-07	3.80E-07	0.00E+00	0.00E+00	1.66E-07	3.12E-08	1.98E-07	3.06E-08	2.94E-08	4.55E-07
544	489578.13	3861408.47	1.51E-03	1.54E-03	1.54E-03	5.21E-07	1.57E-06	9.11E-07	9.30E-07	8.43E-07	3.85E-07	3.84E-07	0.00E+00	0.00E+00	1.68E-07	3.16E-08	2.00E-07	3.09E-08	2.98E-08	4.60E-07
545	489628.13	3861408.47	1.53E-03	1.56E-03	1.56E-03	5.29E-07	1.60E-06	9.24E-07	9.43E-07	8.55E-07	3.90E-07	3.89E-07	0.00E+00	0.00E+00	1.70E-07	3.20E-08	2.03E-07	3.13E-08	3.02E-08	4.67E-07
546	489678.13	3861408.47	1.54E-03	1.57E-03	1.57E-03	5.33E-07	1.61E-06	9.32E-07	9.52E-07	8.63E-07	3.94E-07	3.93E-07	0.00E+00	0.00E+00	1.72E-07	3.23E-08	2.05E-07	3.16E-08	3.04E-08	4.71E-07
547	489728.13	3861408.47	1.55E-03	1.59E-03	1.58E-03	5.38E-07	1.62E-06	9.41E-07	9.60E-07	8.70E-07	3.97E-07	3.97E-07	0.00E+00	0.00E+00	1.73E-07	3.26E-08	2.07E-07	3.19E-08	3.07E-08	4.75E-07
548	489528.13	3861458.47	1.44E-03	1.47E-03	1.47E-03	5.00E-07	1.51E-06	8.74E-07	8.92E-07	8.09E-07	3.69E-07	3.69E-07	0.00E+00	0.00E+00	1.61E-07	3.03E-08	1.92E-07	2.96E-08	2.85E-08	4.41E-07
549	489578.13	3861458.47	1.46E-03	1.49E-03	1.49E-03	5.06E-07	1.53E-06	8.84E-07	9.02E-07	8.17E-07	3.73E-07	3.73E-07	0.00E+00	0.00E+00	1.63E-07	3.06E-08	1.94E-07	2.99E-08	2.88E-08	4.46E-07
550	489628.13	3861458.47	1.48E-03	1.51E-03	1.50E-03	5.11E-07	1.54E-06	8.93E-07	9.11E-07	8.26E-07	3.77E-07	3.76E-07	0.00E+00	0.00E+00	1.64E-07	3.09E-08	1.96E-07	3.03E-08	2.91E-08	4.51E-07
551	489678.13	3861458.47	1.49E-03	1.52E-03	1.52E-03	5.15E-07	1.56E-06	9.01E-07	9.19E-07	8.33E-07	3.80E-07	3.80E-07	0.00E+00	0.00E+00	1.66E-07	3.12E-08	1.98E-07	3.05E-08	2.94E-08	4.55E-07
552	489728.13	3861458.47	1.50E-03	1.53E-03	1.53E-03	5.19E-07	1.57E-06	9.07E-07	9.25E-07	8.39E-07	3.83E-07	3.82E-07	0.00E+00	0.00E+00	1.67E-07	3.14E-08	1.99E-07	3.07E-08	2.96E-08	4.58E-07
553	489528.13	3861508.47	1.40E-03	1.43E-03	1.43E-03	4.85E-07	1.46E-06	8.47E-07	8.65E-07	7.84E-07	3.58E-07	3.57E-07	0.00E+00	0.00E+00	1.56E-07	2.93E-08	1.86E-07	2.87E-08	2.77E-08	4.28E-07

554	489578.13	3861508.47	1.41E-03	1.44E-03	1.44E-03	4.89E-07	1.48E-06	8.55E-07	8.73E-07	7.91E-07	3.61E-07	3.60E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.90E-08	2.79E-08	4.32E-07
555	489628.13	3861508.47	1.43E-03	1.45E-03	1.45E-03	4.93E-07	1.49E-06	8.63E-07	8.80E-07	7.98E-07	3.64E-07	3.64E-07	0.00E+00	0.00E+00	1.59E-07	2.99E-08	1.90E-07	2.92E-08	2.82E-08	4.36E-07
556	489678.13	3861508.47	1.44E-03	1.47E-03	1.46E-03	4.97E-07	1.50E-06	8.70E-07	8.87E-07	8.04E-07	3.67E-07	3.67E-07	0.00E+00	0.00E+00	1.60E-07	3.01E-08	1.91E-07	2.95E-08	2.84E-08	4.39E-07
557	489728.13	3861508.47	1.45E-03	1.48E-03	1.48E-03	5.01E-07	1.51E-06	8.76E-07	8.94E-07	8.10E-07	3.70E-07	3.69E-07	0.00E+00	0.00E+00	1.61E-07	3.03E-08	1.93E-07	2.97E-08	2.86E-08	4.42E-07
558	489628.13	3861558.47	1.38E-03	1.41E-03	1.41E-03	4.78E-07	1.44E-06	8.36E-07	8.53E-07	7.73E-07	3.53E-07	3.53E-07	0.00E+00	0.00E+00	1.54E-07	2.90E-08	1.84E-07	2.83E-08	2.73E-08	4.22E-07
559	489678.13	3861558.47	1.40E-03	1.42E-03	1.42E-03	4.83E-07	1.46E-06	8.44E-07	8.62E-07	7.81E-07	3.56E-07	3.56E-07	0.00E+00	0.00E+00	1.55E-07	2.92E-08	1.86E-07	2.86E-08	2.76E-08	4.26E-07
560	489728.13	3861558.47	1.41E-03	1.43E-03	1.43E-03	4.87E-07	1.47E-06	8.50E-07	8.68E-07	7.87E-07	3.59E-07	3.59E-07	0.00E+00	0.00E+00	1.56E-07	2.95E-08	1.87E-07	2.88E-08	2.78E-08	4.29E-07
561	489357.08	3861015.81	1.86E-03	1.89E-03	1.89E-03	6.42E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.74E-07	4.73E-07	0.00E+00	0.00E+00	2.07E-07	3.89E-08	2.47E-07	3.80E-08	3.66E-08	5.67E-07
562	489407.08	3861015.81	1.88E-03	1.92E-03	1.91E-03	6.50E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.79E-07	4.79E-07	0.00E+00	0.00E+00	2.09E-07	3.93E-08	2.50E-07	3.85E-08	3.71E-08	5.74E-07
563	489457.08	3861015.81	1.90E-03	1.94E-03	1.94E-03	6.59E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.86E-07	4.86E-07	0.00E+00	0.00E+00	2.12E-07	3.99E-08	2.53E-07	3.90E-08	3.76E-08	5.82E-07
564	489357.08	3861065.81	1.80E-03	1.84E-03	1.83E-03	6.23E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.59E-07	4.59E-07	0.00E+00	0.00E+00	2.00E-07	3.77E-08	2.39E-07	3.69E-08	3.55E-08	5.50E-07
565	489407.08	3861065.81	1.82E-03	1.86E-03	1.85E-03	6.30E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.65E-07	4.64E-07	0.00E+00	0.00E+00	2.02E-07	3.81E-08	2.42E-07	3.73E-08	3.59E-08	5.56E-07
566	489457.08	3861065.81	1.84E-03	1.88E-03	1.88E-03	6.38E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.71E-07	4.70E-07	0.00E+00	0.00E+00	2.05E-07	3.86E-08	2.45E-07	3.78E-08	3.64E-08	5.63E-07
567	489357.08	3861115.81	1.74E-03	1.78E-03	1.78E-03	6.03E-07	1.82E-06	1.05E-06	1.08E-06	9.76E-07	4.45E-07	4.45E-07	0.00E+00	0.00E+00	1.94E-07	3.65E-08	2.32E-07	3.57E-08	3.44E-08	5.33E-07
568	489407.08	3861115.81	1.77E-03	1.80E-03	1.80E-03	6.12E-07	1.85E-06	1.07E-06	1.09E-06	9.89E-07	4.51E-07	4.51E-07	0.00E+00	0.00E+00	1.97E-07	3.70E-08	2.35E-07	3.62E-08	3.49E-08	5.40E-07
569	489457.08	3861115.81	1.79E-03	1.83E-03	1.83E-03	6.20E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.57E-07	4.57E-07	0.00E+00	0.00E+00	1.99E-07	3.75E-08	2.38E-07	3.67E-08	3.54E-08	5.47E-07
570	489407.08	3861165.81	1.72E-03	1.75E-03	1.75E-03	5.94E-07	1.79E-06	1.04E-06	1.06E-06	9.61E-07	4.38E-07	4.38E-07	0.00E+00	0.00E+00	1.91E-07	3.60E-08	2.28E-07	3.52E-08	3.39E-08	5.24E-07
571	489457.08	3861165.81	1.73E-03	1.77E-03	1.77E-03	6.01E-07	1.81E-06	1.05E-06	1.07E-06	9.71E-07	4.43E-07	4.43E-07	0.00E+00	0.00E+00	1.93E-07	3.64E-08	2.31E-07	3.56E-08	3.43E-08	5.30E-07
572	489407.08	3861215.81	1.65E-03	1.68E-03	1.68E-03	5.72E-07	1.73E-06	9.99E-07	1.02E-06	9.24E-07	4.22E-07	4.21E-07	0.00E+00	0.00E+00	1.84E-07	3.46E-08	2.20E-07	3.39E-08	3.26E-08	5.04E-07
573	489457.08	3861215.81	1.67E-03	1.70E-03	1.70E-03	5.78E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.27E-07	4.26E-07	0.00E+00	0.00E+00	1.86E-07	3.50E-08	2.22E-07	3.43E-08	3.30E-08	5.10E-07
574	489407.08	3861265.81	1.59E-03	1.62E-03	1.62E-03	5.50E-07	1.66E-06	9.61E-07	9.80E-07	8.89E-07	4.06E-07	4.05E-07	0.00E+00	0.00E+00	1.77E-07	3.33E-08	2.11E-07	3.26E-08	3.14E-08	4.85E-07
575	489457.08	3861265.81	1.61E-03	1.64E-03	1.64E-03	5.57E-07	1.68E-06	9.73E-07	9.93E-07	9.00E-07	4.11E-07	4.10E-07	0.00E+00	0.00E+00	1.79E-07	3.37E-08	2.14E-07	3.30E-08	3.18E-08	4.92E-07
576	489309.86	3861110.14	1.73E-03	1.76E-03	1.76E-03	5.97E-07	1.80E-06	1.04E-06	1.07E-06	9.66E-07	4.41E-07	4.40E-07	0.00E+00	0.00E+00	1.92E-07	3.62E-08	2.29E-07	3.54E-08	3.41E-08	5.27E-07
577	489407.08	3861315.81	1.54E-03	1.57E-03	1.57E-03	5.33E-07	1.61E-06	9.31E-07	9.50E-07	8.61E-07	3.93E-07	3.93E-07	0.00E+00	0.00E+00	1.71E-07	3.22E-08	2.05E-07	3.16E-08	3.04E-08	4.70E-07
578	489457.08	3861315.81	1.56E-03	1.59E-03	1.59E-03	5.39E-07	1.63E-06	9.43E-07	9.62E-07	8.72E-07	3.98E-07	3.97E-07	0.00E+00	0.00E+00	1.73E-07	3.27E-08	2.07E-07	3.20E-08	3.08E-08	4.76E-07
579	488906.03	3861006.75	1.66E-03	1.70E-03	1.70E-03	5.76E-07	1.74E-06	1.01E-06	1.03E-06	9.31E-07	4.25E-07	4.24E-07	0.00E+00	0.00E+00	1.85E-07	3.49E-08	2.21E-07	3.41E-08	3.29E-08	5.08E-07
580	488956.03	3861006.75	1.69E-03	1.73E-03	1.73E-03	5.87E-07	1.77E-06	1.03E-06	1.05E-06	9.48E-07	4.33E-07	4.32E-07	0.00E+00	0.00E+00	1.89E-07	3.55E-08	2.25E-07	3.47E-08	3.35E-08	5.18E-07
581	488904.24	3861051.87	1.65E-03	1.68E-03	1.68E-03	5.70E-07	1.72E-06	9.96E-07	1.02E-06	9.21E-07	4.20E-07	4.20E-07	0.00E+00	0.00E+00	1.83E-07	3.45E-08	2.19E-07	3.38E-08	3.25E-08	5.03E-07
582	488954.24	3861051.87	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.29E-07	4.24E-07	4.23E-07	0.00E+00	0.00E+00	1.85E-07	3.48E-08	2.21E-07	3.40E-08	3.28E-08	5.07E-07
583	489004.24	3861051.87	1.69E-03	1.73E-03	1.72E-03	5.85E-07	1.77E-06	1.02E-06	1.04E-06	9.46E-07	4.32E-07	4.31E-07	0.00E+00	0.00E+00	1.88E-07	3.54E-08	2.25E-07	3.47E-08	3.34E-08	5.17E-07
584	488804.24	3861101.87	1.54E-03	1.58E-03	1.57E-03	5.35E-07	1.61E-06	9.34E-07	9.54E-07	8.64E-07	3.94E-07	3.94E-07	0.00E+00	0.00E+00	1.72E-07	3.24E-08	2.05E-07	3.17E-08	3.05E-08	4.72E-07
585	488854.24	3861101.87	1.57E-03	1.60E-03	1.60E-03	5.44E-07	1.64E-06	9.51E-07	9.70E-07	8.79E-07	4.01E-07	4.01E-07	0.00E+00	0.00E+00	1.75E-07	3.29E-08	2.09E-07	3.22E-08	3.10E-08	4.80E-07
586	488904.24	3861101.87	1.57E-03	1.60E-03	1.60E-03	5.44E-07	1.64E-06	9.51E-07	9.71E-07	8.80E-07	4.01E-07	4.01E-07	0.00E+00	0.00E+00	1.75E-07	3.29E-08	2.09E-07	3.22E-08	3.11E-08	4.80E-07
587	488954.24	3861101.87	1.59E-03	1.62E-03	1.62E-03	5.49E-07	1.66E-06	9.60E-07	9.79E-07	8.88E-07	4.05E-07	4.05E-07	0.00E+00	0.00E+00	1.77E-07	3.32E-08	2.11E-07	3.25E-08	3.13E-08	4.85E-07
588	489004.24	3861101.87	1.61E-03	1.64E-03	1.64E-03	5.57E-07	1.68E-06	9.73E-07	9.93E-07	9.00E-07	4.11E-07	4.10E-07	0.00E+00	0.00E+00	1.79E-07	3.37E-08	2.14E-07	3.30E-08	3.18E-08	4.91E-07
589	488804.24	3861151.87	1.48E-03	1.51E-03	1.50E-03	5.11E-07	1.54E-06	8.93E-07	9.11E-07	8.26E-07	3.77E-07	3.76E-07	0.00E+00	0.00E+00	1.64E-07	3.09E-08	1.96E-07	3.03E-08	2.91E-08	4.51E-07
590	488854.24	3861151.87	1.49E-03	1.52E-03	1.52E-03	5.16E-07	1.56E-06	9.02E-07	9.21E-07	8.35E-07	3.81E-07	3.80E-07	0.00E+00	0.00E+00	1.66E-07	3.13E-08	1.98E-07	3.06E-08	2.95E-08	4.56E-07
591	489129.49	3861187.55	1.56E-03	1.60E-03	1.59E-03	5.41E-07	1.63E-06	9.46E-07	9.65E-07	8.75E-07	3.99E-07	3.99E-07	0.00E+00	0.00E+00	1.74E-07	3.28E-08	2.08E-07	3.21E-08	3.09E-08	4.78E-07
592	489179.49	3861187.55	1.58E-03	1.61E-03	1.61E-03	5.47E-07	1.65E-06	9.57E-07	9.76E-07	8.85E-07	4.04E-07	4.03E-07	0.00E+00	0.00E+00	1.76E-07	3.31E-08	2.10E-07	3.24E-08	3.12E-08	4.83E-07
593	488804.24	3861201.87	1.44E-03	1.47E-03	1.47E-03	4.98E-07	1.50E-06	8.70E-07	8.88E-07	8.05E-07	3.67E-07	3.67E-07	0.00E+00	0.00E+00	1.60E-07	3.01E-08	1.91E-07	2.95E-08	2.84E-08	4.39E-07
594	488854.24	3861201.87	1.45E-03	1.48E-03	1.48E-03	5.01E-07	1.51E-06	8.76E-07	8.94E-07	8.10E-07	3.70E-07	3.69E-07	0.00E+00	0.00E+00	1.61E-07	3.03E-08	1.92E-07	2.97E-08	2.86E-08	4.42E-07
595	489129.49	3861237.55	1.53E-03	1.56E-03	1.55E-03	5.28E-07	1.59E-06	9.23E-07	9.42E-07	8.54E-07	3.90E-07	3.89E-07	0.00E+00	0.00E+00	1.70E-07	3.20E-08	2.03E-07	3.13E-08	3.01E-08	4.66E-07
596	489179.49	3861237.55	1.54E-03	1.57E-03	1.57E-03	5.32E-07	1.61E-06	9.30E-07	9.49E-07	8.60E-07	3.93E-07	3.92E-07	0.00E+00	0.00E+00	1.71E-07	3.22E-08	2.04E-07	3.15E-08	3.04E-08	4.70E-07
597	488804.24	3861251.87	1.40E-03	1.43E-03	1.43E-03	4.86E-07	1.47E-06	8.50E-07	8.67E-07	7.86E-07	3.59E-07	3.58E-07	0.00E+00	0.00E+00	1.56E-07	2.94E-08	1.87E-07	2.88E-08	2.77E-08	4.29E-07
598	488854.24	3861251.87	1.41E-03	1.44E-03	1.44E-03	4.89E-07	1.48E-06	8.54E-07	8.71E-07	7.90E-07	3.60E-07	3.60E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.89E-08	2.79E-08	4.31E-07
599	488804.24	3861301.87	1.37E-03	1.39E-03	1.39E-03	4.73E-07	1.43E-06	8.26E-07	8.43E-07	7.64E-07	3.49E-07	3.48E-07	0.00E+00	0.00E+00	1.52E-07	2.86E-08	1.82E-07	2.80E-08	2.70E-08	4.17E-07
600	488854.24	3861301.87	1.38E-03	1.40E-03	1.40E-03	4.76E-07	1.44E-06	8.33E-07	8.50E-07	7.70E-07	3.52E-07	3.51E-07	0.00E+00	0.00E+00	1.53E-07	2.88E-08	1.83E-07	2.82E-08	2.72E-08	4.21E-07
601	490943.5	3860181.97	1.44E-02	1.47E-02	1.47E-02	4.98E-06	1.50E-05	8.71E-06	8.89E-06	8.06E-06	3.68E-06	3.67E-06	0.00E+00	0.00E+00	1.60E-06	3.02E-07	1.91E-06	2.95E-07	2.84E-07	4.40E-06
602	490993.5	3860181.97	1.58E-02	1.61E-02	1.61E-02	5.46E-06	1.65E-05	9.55E-06	9.74E-06	8.83E-06	4.03E-06	4.03E-06	0.00E+00	0.00E+00	1.76E-06	3.31E-07	2.10E-06	3.24E-07	3.12E-07	4.82E-06
603	491043.5	3860181.97	1.76E-02	1.79E-02	1.79E-02	6.08E-06	1.83E-05	1.06E-05	1.08E-05	9.82E-06	4.48E-06	4.48E-06	0.00E+00	0.00E+00	1.95E-06	3.68E-07	2.33E-06	3.60E-07	3.47E-07	5.36E-06
604	491093.5	3860181.97	1.97E-02	2.01E-02	2.01E-02	6.83E-06	2.06E-05	1.19E-05	1.22E-05	1.10E-05	5.04E-06	5.04E-06	0.00E+00	0.00E+00	2.20E-06	4.14E-07	2.63E-06	4.05E-07	3.90E-07	6.03E-06
605	490943.5	3860231.97	1.25E-02	1.27E-02	1.27E-02	4.32E-06	1.30E-05	7.55E-06	7.70E-06	6.98E-06	3.19E-06	3.18E-06	0.00E+00	0.00E+00	1.39E-06	2.61E-07	1.66E-06	2.56E-07	2.46E-07	3.81E-06
606	490993.5	3860231.97	1.37E-02	1.40E-02	1.40E-02	4.74E-06	1.43E-05	8.29E-06	8.46E-06	7.67E-06	3.50E-06	3.49E-06	0.00E+00	0.00E+00	1.53E-06	2.87E-07	1.82E-06	2.81E-07	2.71E-07	4.19E-06
607	491043.5	3860231.97	1.49E-02	1.52E-02	1.52E-02	5.16E-06	1.56E-05	9.01E-06	9.19E-06	8.34E-06	3.80E-06	3.80E-06	0.00E+00	0.00E+00	1.66E-06	3.12E-07	1.98E-06	3.05E-07	2.94E-07	4.55E-06
608	491093.5	3860231.97	1.64E-02	1.67E-02	1.67E-02	5.67E-06	1.71E-05	9.90E-06	1.01E-05	9.16E-06	4.18E-06	4.18E-06	0.00E+00	0.00E+00	1.82E-06	3.43E-07	2.18E-06	3.36E-07	3.23E-07	5.00E-06
609	490943.5	3860281.97	1.10E-02	1.12E-02	1.12E-02	3.80E-06	1.15E-05	6.64E-06	6.78E-06	6.14E-06	2.80E-06	2.80E-06	0.00E+00	0.00E+00	1.22E-06	2.30E-07	1.46E-06	2.25E-07	2.17E-07	3.35E-06

610	490993.5	3860281.97	1.19E-02	1.21E-02	1.21E-02	4.12E-06	1.24E-05	7.20E-06	7.35E-06	6.66E-06	3.04E-06	3.04E-06	0.00E+00	0.00E+00	1.33E-06	2.50E-07	1.58E-06	2.44E-07	2.35E-07	3.64E-06
611	491043.5	3860281.97	1.29E-02	1.31E-02	1.31E-02	4.45E-06	1.34E-05	7.78E-06	7.94E-06	7.20E-06	3.28E-06	3.28E-06	0.00E+00	0.00E+00	1.43E-06	2.70E-07	1.71E-06	2.64E-07	2.54E-07	3.93E-06
612	491093.5	3860281.97	1.40E-02	1.43E-02	1.42E-02	4.84E-06	1.46E-05	8.46E-06	8.63E-06	7.82E-06	3.57E-06	3.57E-06	0.00E+00	0.00E+00	1.56E-06	2.93E-07	1.86E-06	2.87E-07	2.76E-07	4.27E-06
613	490943.5	3860331.97	9.74E-03	9.94E-03	9.92E-03	3.37E-06	1.02E-05	5.89E-06	6.01E-06	5.45E-06	2.49E-06	2.48E-06	0.00E+00	0.00E+00	1.08E-06	2.04E-07	1.29E-06	2.00E-07	1.92E-07	2.97E-06
614	490993.5	3860331.97	1.04E-02	1.06E-02	1.06E-02	3.59E-06	1.08E-05	6.27E-06	6.40E-06	5.80E-06	2.65E-06	2.64E-06	0.00E+00	0.00E+00	1.15E-06	2.17E-07	1.38E-06	2.12E-07	2.05E-07	3.16E-06
615	491043.5	3860331.97	1.11E-02	1.13E-02	1.13E-02	3.84E-06	1.16E-05	6.71E-06	6.85E-06	6.21E-06	2.83E-06	2.83E-06	0.00E+00	0.00E+00	1.23E-06	2.32E-07	1.48E-06	2.28E-07	2.19E-07	3.39E-06
616	491093.5	3860331.97	1.20E-02	1.22E-02	1.22E-02	4.14E-06	1.25E-05	7.24E-06	7.39E-06	6.70E-06	3.06E-06	3.05E-06	0.00E+00	0.00E+00	1.33E-06	2.51E-07	1.59E-06	2.46E-07	2.36E-07	3.66E-06
617	490086.72	3859935.12	1.04E-02	1.06E-02	1.06E-02	3.59E-06	1.08E-05	6.27E-06	6.40E-06	5.80E-06	2.65E-06	2.64E-06	0.00E+00	0.00E+00	1.15E-06	2.17E-07	1.38E-06	2.13E-07	2.05E-07	3.17E-06
618	490136.72	3859935.12	1.09E-02	1.12E-02	1.12E-02	3.79E-06	1.14E-05	6.62E-06	6.76E-06	6.13E-06	2.80E-06	2.79E-06	0.00E+00	0.00E+00	1.22E-06	2.29E-07	1.46E-06	2.25E-07	2.16E-07	3.35E-06
619	490186.72	3859935.12	1.16E-02	1.18E-02	1.18E-02	4.01E-06	1.21E-05	7.02E-06	7.16E-06	6.49E-06	2.96E-06	2.96E-06	0.00E+00	0.00E+00	1.29E-06	2.43E-07	1.54E-06	2.38E-07	2.29E-07	3.54E-06
620	490236.72	3859935.12	1.23E-02	1.26E-02	1.25E-02	4.26E-06	1.29E-05	7.45E-06	7.60E-06	6.89E-06	3.14E-06	3.14E-06	0.00E+00	0.00E+00	1.37E-06	2.58E-07	1.64E-06	2.53E-07	2.43E-07	3.76E-06
621	490286.72	3859935.12	1.31E-02	1.33E-02	1.33E-02	4.52E-06	1.36E-05	7.90E-06	8.06E-06	7.31E-06	3.33E-06	3.33E-06	0.00E+00	0.00E+00	1.45E-06	2.74E-07	1.74E-06	2.68E-07	2.58E-07	3.99E-06
622	490336.72	3859935.12	1.39E-02	1.42E-02	1.41E-02	4.80E-06	1.45E-05	8.40E-06	8.57E-06	7.77E-06	3.54E-06	3.54E-06	0.00E+00	0.00E+00	1.54E-06	2.91E-07	1.85E-06	2.85E-07	2.74E-07	4.24E-06
623	490386.72	3859935.12	1.48E-02	1.52E-02	1.51E-02	5.14E-06	1.55E-05	8.99E-06	9.17E-06	8.31E-06	3.79E-06	3.79E-06	0.00E+00	0.00E+00	1.65E-06	3.11E-07	1.97E-06	3.05E-07	2.93E-07	4.54E-06
624	490436.72	3859935.12	1.59E-02	1.63E-02	1.62E-02	5.51E-06	1.66E-05	9.64E-06	9.83E-06	8.91E-06	4.07E-06	4.06E-06	0.00E+00	0.00E+00	1.77E-06	3.34E-07	2.12E-06	3.27E-07	3.15E-07	4.87E-06
625	490486.72	3859935.12	1.72E-02	1.76E-02	1.76E-02	5.96E-06	1.80E-05	1.04E-05	1.06E-05	9.64E-06	4.40E-06	4.40E-06	0.00E+00	0.00E+00	1.92E-06	3.61E-07	2.29E-06	3.53E-07	3.40E-07	5.26E-06
626	490536.72	3859935.12	1.91E-02	1.95E-02	1.95E-02	6.62E-06	2.00E-05	1.16E-05	1.18E-05	1.07E-05	4.88E-06	4.88E-06	0.00E+00	0.00E+00	2.13E-06	4.01E-07	2.54E-06	3.92E-07	3.78E-07	5.84E-06
627	490586.72	3859935.12	2.16E-02	2.20E-02	2.20E-02	7.46E-06	2.25E-05	1.30E-05	1.33E-05	1.21E-05	5.50E-06	5.50E-06	0.00E+00	0.00E+00	2.40E-06	4.52E-07	2.87E-06	4.42E-07	4.26E-07	6.58E-06
628	490636.72	3859935.12	2.42E-02	2.47E-02	2.46E-02	8.37E-06	2.53E-05	1.46E-05	1.49E-05	1.35E-05	6.17E-06	6.16E-06	0.00E+00	0.00E+00	2.69E-06	5.06E-07	3.21E-06	4.96E-07	4.77E-07	7.38E-06
629	490686.72	3859935.12	2.83E-02	2.89E-02	2.89E-02	9.80E-06	2.96E-05	1.71E-05	1.75E-05	1.59E-05	7.23E-06	7.22E-06	0.00E+00	0.00E+00	3.15E-06	5.94E-07	3.77E-06	5.81E-07	5.59E-07	8.65E-06
630	490736.72	3859935.12	3.33E-02	3.39E-02	3.39E-02	1.15E-05	3.48E-05	2.01E-05	2.05E-05	1.86E-05	8.49E-06	8.48E-06	0.00E+00	0.00E+00	3.70E-06	6.97E-07	4.42E-06	6.82E-07	6.57E-07	1.02E-05
631	490086.72	3859985.12	9.19E-03	9.38E-03	9.37E-03	3.18E-06	9.61E-06	5.56E-06	5.68E-06	5.14E-06	2.35E-06	2.34E-06	0.00E+00	0.00E+00	1.02E-06	1.93E-07	1.22E-06	1.88E-07	1.82E-07	2.81E-06
632	490136.72	3859985.12	9.64E-03	9.84E-03	9.83E-03	3.34E-06	1.01E-05	5.83E-06	5.95E-06	5.40E-06	2.46E-06	2.46E-06	0.00E+00	0.00E+00	1.07E-06	2.02E-07	1.28E-06	1.98E-07	1.90E-07	2.95E-06
633	490186.72	3859985.12	1.02E-02	1.04E-02	1.04E-02	3.52E-06	1.06E-05	6.15E-06	6.28E-06	5.69E-06	2.60E-06	2.59E-06	0.00E+00	0.00E+00	1.13E-06	2.13E-07	1.35E-06	2.09E-07	2.01E-07	3.11E-06
634	490236.72	3859985.12	1.08E-02	1.10E-02	1.10E-02	3.73E-06	1.13E-05	6.51E-06	6.65E-06	6.03E-06	2.75E-06	2.75E-06	0.00E+00	0.00E+00	1.20E-06	2.26E-07	1.43E-06	2.21E-07	2.13E-07	3.29E-06
635	490286.72	3859985.12	1.13E-02	1.16E-02	1.16E-02	3.93E-06	1.19E-05	6.86E-06	7.01E-06	6.35E-06	2.90E-06	2.89E-06	0.00E+00	0.00E+00	1.26E-06	2.38E-07	1.51E-06	2.33E-07	2.24E-07	3.47E-06
636	490336.72	3859985.12	1.20E-02	1.22E-02	1.22E-02	4.14E-06	1.25E-05	7.24E-06	7.39E-06	6.70E-06	3.06E-06	3.05E-06	0.00E+00	0.00E+00	1.33E-06	2.51E-07	1.59E-06	2.45E-07	2.36E-07	3.66E-06
637	490386.72	3859985.12	1.26E-02	1.28E-02	1.28E-02	4.35E-06	1.31E-05	7.61E-06	7.76E-06	7.04E-06	3.21E-06	3.21E-06	0.00E+00	0.00E+00	1.40E-06	2.63E-07	1.67E-06	2.58E-07	2.48E-07	3.84E-06
638	490436.72	3859985.12	1.33E-02	1.36E-02	1.36E-02	4.61E-06	1.39E-05	8.05E-06	8.22E-06	7.45E-06	3.40E-06	3.40E-06	0.00E+00	0.00E+00	1.48E-06	2.79E-07	1.77E-06	2.73E-07	2.63E-07	4.07E-06
639	490486.72	3859985.12	1.42E-02	1.45E-02	1.45E-02	4.92E-06	1.48E-05	8.59E-06	8.77E-06	7.95E-06	3.63E-06	3.62E-06	0.00E+00	0.00E+00	1.58E-06	2.98E-07	1.89E-06	2.91E-07	2.81E-07	4.34E-06
640	490536.72	3859985.12	1.53E-02	1.57E-02	1.56E-02	5.31E-06	1.60E-05	9.29E-06	9.48E-06	8.59E-06	3.92E-06	3.92E-06	0.00E+00	0.00E+00	1.71E-06	3.22E-07	2.04E-06	3.15E-07	3.03E-07	4.69E-06
641	490586.72	3859985.12	1.68E-02	1.71E-02	1.71E-02	5.81E-06	1.75E-05	1.02E-05	1.04E-05	9.39E-06	4.29E-06	4.28E-06	0.00E+00	0.00E+00	1.87E-06	3.52E-07	2.23E-06	3.44E-07	3.32E-07	5.13E-06
642	490636.72	3859985.12	1.86E-02	1.90E-02	1.89E-02	6.43E-06	1.94E-05	1.12E-05	1.15E-05	1.04E-05	4.74E-06	4.74E-06	0.00E+00	0.00E+00	2.07E-06	3.89E-07	2.47E-06	3.81E-07	3.67E-07	5.67E-06
643	490686.72	3859985.12	2.11E-02	2.15E-02	2.15E-02	7.29E-06	2.20E-05	1.27E-05	1.30E-05	1.18E-05	5.38E-06	5.37E-06	0.00E+00	0.00E+00	2.34E-06	4.41E-07	2.80E-06	4.32E-07	4.16E-07	6.43E-06
644	490736.72	3859985.12	2.34E-02	2.39E-02	2.39E-02	8.11E-06	2.45E-05	1.42E-05	1.45E-05	1.31E-05	5.98E-06	5.97E-06	0.00E+00	0.00E+00	2.61E-06	4.91E-07	3.11E-06	4.80E-07	4.62E-07	7.15E-06
645	490786.72	3859985.12	2.64E-02	2.69E-02	2.69E-02	9.12E-06	2.75E-05	1.59E-05	1.63E-05	1.47E-05	6.73E-06	6.72E-06	0.00E+00	0.00E+00	2.93E-06	5.52E-07	3.50E-06	5.40E-07	5.20E-07	8.05E-06
646	490086.72	3860035.12	8.25E-03	8.42E-03	8.41E-03	2.85E-06	8.62E-06	4.99E-06	5.09E-06	4.62E-06	2.11E-06	2.10E-06	0.00E+00	0.00E+00	9.18E-07	1.73E-07	1.10E-06	1.69E-07	1.63E-07	2.52E-06
647	490136.72	3860035.12	8.62E-03	8.80E-03	8.79E-03	2.98E-06	9.01E-06	5.22E-06	5.32E-06	4.82E-06	2.20E-06	2.20E-06	0.00E+00	0.00E+00	9.60E-07	1.81E-07	1.15E-06	1.77E-07	1.70E-07	2.63E-06
648	490186.72	3860035.12	9.03E-03	9.21E-03	9.20E-03	3.12E-06	9.43E-06	5.46E-06	5.57E-06	5.05E-06	2.31E-06	2.30E-06	0.00E+00	0.00E+00	1.00E-06	1.89E-07	1.20E-06	1.85E-07	1.78E-07	2.76E-06
649	490236.72	3860035.12	9.47E-03	9.66E-03	9.65E-03	3.28E-06	9.90E-06	5.73E-06	5.85E-06	5.30E-06	2.42E-06	2.42E-06	0.00E+00	0.00E+00	1.05E-06	1.98E-07	1.26E-06	1.94E-07	1.87E-07	2.89E-06
650	490286.72	3860035.12	9.92E-03	1.01E-02	1.01E-02	3.43E-06	1.04E-05	6.00E-06	6.13E-06	5.55E-06	2.53E-06	2.53E-06	0.00E+00	0.00E+00	1.10E-06	2.08E-07	1.32E-06	2.03E-07	1.96E-07	3.03E-06
651	490336.72	3860035.12	1.05E-02	1.07E-02	1.07E-02	3.62E-06	1.09E-05	6.33E-06	6.46E-06	5.86E-06	2.67E-06	2.67E-06	0.00E+00	0.00E+00	1.17E-06	2.19E-07	1.39E-06	2.15E-07	2.07E-07	3.20E-06
652	490386.72	3860035.12	1.09E-02	1.12E-02	1.11E-02	3.79E-06	1.14E-05	6.62E-06	6.75E-06	6.12E-06	2.79E-06	2.79E-06	0.00E+00	0.00E+00	1.22E-06	2.29E-07	1.45E-06	2.24E-07	2.16E-07	3.34E-06
653	490436.72	3860035.12	1.15E-02	1.17E-02	1.17E-02	3.98E-06	1.20E-05	6.95E-06	7.09E-06	6.43E-06	2.93E-06	2.93E-06	0.00E+00	0.00E+00	1.28E-06	2.41E-07	1.53E-06	2.36E-07	2.27E-07	3.51E-06
654	490486.72	3860035.12	1.21E-02	1.24E-02	1.24E-02	4.20E-06	1.27E-05	7.34E-06	7.49E-06	6.79E-06	3.10E-06	3.09E-06	0.00E+00	0.00E+00	1.35E-06	2.54E-07	1.61E-06	2.49E-07	2.40E-07	3.71E-06
655	490536.72	3860035.12	1.29E-02	1.32E-02	1.32E-02	4.48E-06	1.35E-05	7.82E-06	7.98E-06	7.24E-06	3.30E-06	3.30E-06	0.00E+00	0.00E+00	1.44E-06	2.71E-07	1.72E-06	2.65E-07	2.55E-07	3.95E-06
656	490586.72	3860035.12	1.38E-02	1.41E-02	1.41E-02	4.79E-06	1.45E-05	8.37E-06	8.54E-06	7.74E-06	3.53E-06	3.53E-06	0.00E+00	0.00E+00	1.54E-06	2.90E-07	1.84E-06	2.84E-07	2.73E-07	4.23E-06
657	490636.72	3860035.12	1.48E-02	1.51E-02	1.51E-02	5.12E-06	1.55E-05	8.95E-06	9.13E-06	8.28E-06	3.78E-06	3.77E-06	0.00E+00	0.00E+00	1.65E-06	3.10E-07	1.97E-06	3.03E-07	2.92E-07	4.52E-06
658	490686.72	3860035.12	1.62E-02	1.65E-02	1.65E-02	5.59E-06	1.69E-05	9.77E-06	9.97E-06	9.04E-06	4.12E-06	4.12E-06	0.00E+00	0.00E+00	1.80E-06	3.38E-07	2.15E-06	3.31E-07	3.19E-07	4.93E-06
659	490736.72	3860035.12	1.81E-02	1.85E-02	1.84E-02	6.26E-06	1.89E-05	1.09E-05	1.12E-05	1.01E-05	4.62E-06	4.61E-06	0.00E+00	0.00E+00	2.01E-06	3.79E-07	2.41E-06	3.71E-07	3.57E-07	5.53E-06
660	490786.72	3860035.12	1.99E-02	2.03E-02	2.02E-02	6.88E-06	2.08E-05	1.20E-05	1.23E-05	1.11E-05	5.07E-06	5.07E-06	0.00E+00	0.00E+00	2.21E-06	4.16E-07	2.64E-06	4.07E-07	3.92E-07	6.07E-06
661	490836.72	3860035.12	2.20E-02	2.24E-02	2.24E-02	7.60E-06	2.30E-05	1.33E-05	1.36E-05	1.23E-05	5.61E-06	5.60E-06	0.00E+00	0.00E+00	2.45E-06	4.60E-07	2.92E-06	4.51E-07	4.34E-07	6.71E-06
662	490086.72	3860085.12	7.54E-03	7.69E-03	7.69E-03	2.61E-06	7.88E-06	4.56E-06	4.66E-06	4.22E-06	1.93E-06	1.92E-06	0.00E+00	0.00E+00	8.39E-07	1.58E-07	1.00E-06	1.55E-07	1.49E-07	2.30E-06
663	490136.72	3860085.12	7.78E-03	7.94E-03	7.93E-03	2.69E-06	8.13E-06	4.71E-06	4.80E-06	4.35E-06	1.99E-06	1.98E-06	0.00E+00	0.00E+00	8.66E-07	1.63E-07	1.03E-06	1.60E-07	1.54E-07	2.38E-06
664	490186.72	3860085.12	8.15E-03	8.31E-03	8.30E-03	2.82E-06	8.52E-06	4.93E-06	5.03E-06	4.56E-06	2.08E-06	2.08E-06	0.00E+00	0.00E+00	9.07E-07	1.71E-07	1.08E-06	1.67E-07	1.61E-07	2.49E-06
665	490236.72	3860085.12	8.50E-03	8.67E-03	8.66E-03	2.94E-06	8.88E-06	5.14E-06	5.25E-06	4.76E-06	2.17E-06	2.17E-06	0.00E+00	0.00E+00	9.46E-07	1.78E-07	1.13E-06	1.74E-07	1.68E-07	2.60E-06

666	490286.72	3860085.12	8.87E-03	9.05E-03	9.04E-03	3.07E-06	9.27E-06	5.37E-06	5.48E-06	4.97E-06	2.27E-06	2.26E-06	0.00E+00	0.00E+00	9.88E-07	1.86E-07	1.18E-06	1.82E-07	1.75E-07	2.71E-06
667	490336.72	3860085.12	9.25E-03	9.44E-03	9.42E-03	3.20E-06	9.66E-06	5.59E-06	5.71E-06	5.18E-06	2.36E-06	2.36E-06	0.00E+00	0.00E+00	1.03E-06	1.94E-07	1.23E-06	1.90E-07	1.83E-07	2.83E-06
668	490386.72	3860085.12	9.66E-03	9.85E-03	9.84E-03	3.34E-06	1.01E-05	5.84E-06	5.96E-06	5.40E-06	2.47E-06	2.46E-06	0.00E+00	0.00E+00	1.07E-06	2.02E-07	1.28E-06	1.98E-07	1.91E-07	2.95E-06
669	490436.72	3860085.12	1.01E-02	1.03E-02	1.03E-02	3.50E-06	1.06E-05	6.11E-06	6.24E-06	5.65E-06	2.58E-06	2.58E-06	0.00E+00	0.00E+00	1.12E-06	2.12E-07	1.34E-06	2.07E-07	2.00E-07	3.09E-06
670	490486.72	3860085.12	1.06E-02	1.08E-02	1.08E-02	3.66E-06	1.10E-05	6.39E-06	6.52E-06	5.91E-06	2.70E-06	2.70E-06	0.00E+00	0.00E+00	1.18E-06	2.21E-07	1.41E-06	2.17E-07	2.09E-07	3.23E-06
671	490536.72	3860085.12	1.12E-02	1.14E-02	1.14E-02	3.86E-06	1.17E-05	6.75E-06	6.89E-06	6.25E-06	2.85E-06	2.85E-06	0.00E+00	0.00E+00	1.24E-06	2.34E-07	1.48E-06	2.29E-07	2.20E-07	3.41E-06
672	490586.72	3860085.12	1.18E-02	1.21E-02	1.21E-02	4.10E-06	1.24E-05	7.16E-06	7.31E-06	6.62E-06	3.02E-06	3.02E-06	0.00E+00	0.00E+00	1.32E-06	2.48E-07	1.57E-06	2.43E-07	2.34E-07	3.62E-06
673	490636.72	3860085.12	1.25E-02	1.28E-02	1.28E-02	4.34E-06	1.31E-05	7.59E-06	7.75E-06	7.02E-06	3.20E-06	3.20E-06	0.00E+00	0.00E+00	1.40E-06	2.63E-07	1.67E-06	2.57E-07	2.48E-07	3.83E-06
674	490686.72	3860085.12	1.35E-02	1.37E-02	1.37E-02	4.66E-06	1.41E-05	8.15E-06	8.32E-06	7.54E-06	3.44E-06	3.44E-06	0.00E+00	0.00E+00	1.50E-06	2.82E-07	1.79E-06	2.76E-07	2.66E-07	4.11E-06
675	490736.72	3860085.12	1.46E-02	1.49E-02	1.49E-02	5.06E-06	1.53E-05	8.84E-06	9.02E-06	8.18E-06	3.73E-06	3.73E-06	0.00E+00	0.00E+00	1.63E-06	3.06E-07	1.94E-06	3.00E-07	2.89E-07	4.46E-06
676	490786.72	3860085.12	1.60E-02	1.63E-02	1.63E-02	5.53E-06	1.67E-05	9.66E-06	9.86E-06	8.93E-06	4.08E-06	4.07E-06	0.00E+00	0.00E+00	1.78E-06	3.35E-07	2.12E-06	3.27E-07	3.15E-07	4.88E-06
677	490836.72	3860085.12	1.74E-02	1.77E-02	1.77E-02	6.01E-06	1.82E-05	1.05E-05	1.07E-05	9.72E-06	4.44E-06	4.43E-06	0.00E+00	0.00E+00	1.93E-06	3.64E-07	2.31E-06	3.56E-07	3.43E-07	5.31E-06
678	490086.72	3860135.12	6.77E-03	6.91E-03	6.90E-03	2.34E-06	7.08E-06	4.10E-06	4.18E-06	3.79E-06	1.73E-06	1.73E-06	0.00E+00	0.00E+00	7.54E-07	1.42E-07	9.01E-07	1.39E-07	1.34E-07	2.07E-06
679	490136.72	3860135.12	7.06E-03	7.20E-03	7.19E-03	2.44E-06	7.38E-06	4.27E-06	4.36E-06	3.95E-06	1.80E-06	1.80E-06	0.00E+00	0.00E+00	7.86E-07	1.48E-07	9.39E-07	1.45E-07	1.39E-07	2.16E-06
680	490186.72	3860135.12	7.37E-03	7.52E-03	7.51E-03	2.55E-06	7.70E-06	4.46E-06	4.55E-06	4.12E-06	1.88E-06	1.88E-06	0.00E+00	0.00E+00	8.20E-07	1.54E-07	9.80E-07	1.51E-07	1.45E-07	2.25E-06
681	490236.72	3860135.12	7.66E-03	7.81E-03	7.80E-03	2.65E-06	8.00E-06	4.63E-06	4.73E-06	4.29E-06	1.96E-06	1.95E-06	0.00E+00	0.00E+00	8.52E-07	1.60E-07	1.02E-06	1.57E-07	1.51E-07	2.34E-06
682	490286.72	3860135.12	7.98E-03	8.14E-03	8.13E-03	2.76E-06	8.34E-06	4.83E-06	4.92E-06	4.46E-06	2.04E-06	2.03E-06	0.00E+00	0.00E+00	8.88E-07	1.67E-07	1.06E-06	1.64E-07	1.58E-07	2.44E-06
683	490336.72	3860135.12	8.31E-03	8.48E-03	8.47E-03	2.88E-06	8.68E-06	5.03E-06	5.13E-06	4.65E-06	2.12E-06	2.12E-06	0.00E+00	0.00E+00	9.25E-07	1.74E-07	1.10E-06	1.70E-07	1.64E-07	2.54E-06
684	490386.72	3860135.12	8.64E-03	8.82E-03	8.81E-03	2.99E-06	9.04E-06	5.23E-06	5.34E-06	4.84E-06	2.21E-06	2.21E-06	0.00E+00	0.00E+00	9.62E-07	1.81E-07	1.15E-06	1.77E-07	1.71E-07	2.64E-06
685	490436.72	3860135.12	8.99E-03	9.17E-03	9.16E-03	3.11E-06	9.39E-06	5.44E-06	5.55E-06	5.03E-06	2.30E-06	2.29E-06	0.00E+00	0.00E+00	1.00E-06	1.88E-07	1.20E-06	1.84E-07	1.78E-07	2.75E-06
686	490486.72	3860135.12	9.38E-03	9.57E-03	9.56E-03	3.25E-06	9.80E-06	5.67E-06	5.79E-06	5.25E-06	2.40E-06	2.39E-06	0.00E+00	0.00E+00	1.04E-06	1.97E-07	1.25E-06	1.92E-07	1.85E-07	2.87E-06
687	490536.72	3860135.12	9.86E-03	1.01E-02	1.00E-02	3.41E-06	1.03E-05	5.96E-06	6.09E-06	5.52E-06	2.52E-06	2.51E-06	0.00E+00	0.00E+00	1.10E-06	2.07E-07	1.31E-06	2.02E-07	1.95E-07	3.01E-06
688	490586.72	3860135.12	1.04E-02	1.06E-02	1.06E-02	3.59E-06	1.08E-05	6.27E-06	6.40E-06	5.80E-06	2.65E-06	2.64E-06	0.00E+00	0.00E+00	1.15E-06	2.17E-07	1.38E-06	2.12E-07	2.05E-07	3.17E-06
689	490636.72	3860135.12	1.09E-02	1.11E-02	1.11E-02	3.78E-06	1.14E-05	6.61E-06	6.74E-06	6.11E-06	2.79E-06	2.79E-06	0.00E+00	0.00E+00	1.22E-06	2.29E-07	1.45E-06	2.24E-07	2.16E-07	3.34E-06
690	490686.72	3860135.12	1.16E-02	1.18E-02	1.18E-02	4.00E-06	1.21E-05	6.99E-06	7.13E-06	6.47E-06	2.95E-06	2.95E-06	0.00E+00	0.00E+00	1.29E-06	2.42E-07	1.54E-06	2.37E-07	2.28E-07	3.53E-06
691	490736.72	3860135.12	1.23E-02	1.26E-02	1.26E-02	4.27E-06	1.29E-05	7.46E-06	7.61E-06	6.90E-06	3.15E-06	3.14E-06	0.00E+00	0.00E+00	1.37E-06	2.58E-07	1.64E-06	2.53E-07	2.44E-07	3.77E-06
692	490786.72	3860135.12	1.33E-02	1.36E-02	1.36E-02	4.62E-06	1.39E-05	8.07E-06	8.23E-06	7.46E-06	3.41E-06	3.40E-06	0.00E+00	0.00E+00	1.48E-06	2.80E-07	1.77E-06	2.74E-07	2.63E-07	4.07E-06
693	490836.72	3860135.12	1.44E-02	1.47E-02	1.46E-02	4.97E-06	1.50E-05	8.69E-06	8.86E-06	8.04E-06	3.67E-06	3.66E-06	0.00E+00	0.00E+00	1.60E-06	3.01E-07	1.91E-06	2.94E-07	2.84E-07	4.39E-06
694	490086.72	3860185.12	6.19E-03	6.32E-03	6.31E-03	2.14E-06	6.47E-06	3.75E-06	3.82E-06	3.46E-06	1.58E-06	1.58E-06	0.00E+00	0.00E+00	6.89E-07	1.30E-07	8.23E-07	1.27E-07	1.22E-07	1.89E-06
695	490136.72	3860185.12	6.46E-03	6.59E-03	6.58E-03	2.23E-06	6.75E-06	3.91E-06	3.99E-06	3.61E-06	1.65E-06	1.65E-06	0.00E+00	0.00E+00	7.19E-07	1.35E-07	8.58E-07	1.32E-07	1.28E-07	1.97E-06
696	490186.72	3860185.12	6.72E-03	6.85E-03	6.85E-03	2.33E-06	7.02E-06	4.06E-06	4.15E-06	3.76E-06	1.72E-06	1.71E-06	0.00E+00	0.00E+00	7.48E-07	1.41E-07	8.93E-07	1.38E-07	1.33E-07	2.05E-06
697	490236.72	3860185.12	6.97E-03	7.11E-03	7.10E-03	2.41E-06	7.28E-06	4.21E-06	4.30E-06	3.90E-06	1.78E-06	1.78E-06	0.00E+00	0.00E+00	7.75E-07	1.46E-07	9.26E-07	1.43E-07	1.38E-07	2.13E-06
698	490286.72	3860185.12	7.23E-03	7.38E-03	7.37E-03	2.50E-06	7.56E-06	4.37E-06	4.46E-06	4.05E-06	1.85E-06	1.84E-06	0.00E+00	0.00E+00	8.05E-07	1.52E-07	9.61E-07	1.48E-07	1.43E-07	2.21E-06
699	490336.72	3860185.12	7.50E-03	7.66E-03	7.65E-03	2.60E-06	7.84E-06	4.54E-06	4.63E-06	4.20E-06	1.92E-06	1.91E-06	0.00E+00	0.00E+00	8.35E-07	1.57E-07	9.98E-07	1.54E-07	1.48E-07	2.29E-06
700	490386.72	3860185.12	7.79E-03	7.95E-03	7.94E-03	2.70E-06	8.15E-06	4.72E-06	4.81E-06	4.36E-06	1.99E-06	1.99E-06	0.00E+00	0.00E+00	8.68E-07	1.63E-07	1.04E-06	1.60E-07	1.54E-07	2.38E-06
701	490436.72	3860185.12	8.10E-03	8.27E-03	8.26E-03	2.80E-06	8.47E-06	4.90E-06	5.00E-06	4.53E-06	2.07E-06	2.07E-06	0.00E+00	0.00E+00	9.02E-07	1.70E-07	1.08E-06	1.66E-07	1.60E-07	2.47E-06
702	490486.72	3860185.12	8.42E-03	8.59E-03	8.58E-03	2.92E-06	8.80E-06	5.10E-06	5.20E-06	4.71E-06	2.15E-06	2.15E-06	0.00E+00	0.00E+00	9.37E-07	1.76E-07	1.12E-06	1.73E-07	1.66E-07	2.57E-06
703	490536.72	3860185.12	8.80E-03	8.98E-03	8.96E-03	3.04E-06	9.19E-06	5.32E-06	5.43E-06	4.92E-06	2.25E-06	2.24E-06	0.00E+00	0.00E+00	9.79E-07	1.84E-07	1.17E-06	1.80E-07	1.74E-07	2.69E-06
704	490586.72	3860185.12	9.24E-03	9.43E-03	9.42E-03	3.20E-06	9.66E-06	5.59E-06	5.71E-06	5.17E-06	2.36E-06	2.36E-06	0.00E+00	0.00E+00	1.03E-06	1.94E-07	1.23E-06	1.89E-07	1.83E-07	2.82E-06
705	490636.72	3860185.12	9.67E-03	9.87E-03	9.85E-03	3.35E-06	1.01E-05	5.85E-06	5.97E-06	5.41E-06	2.47E-06	2.47E-06	0.00E+00	0.00E+00	1.08E-06	2.03E-07	1.29E-06	1.98E-07	1.91E-07	2.95E-06
706	490686.72	3860185.12	1.02E-02	1.04E-02	1.04E-02	3.53E-06	1.07E-05	6.17E-06	6.30E-06	5.71E-06	2.61E-06	2.60E-06	0.00E+00	0.00E+00	1.14E-06	2.14E-07	1.36E-06	2.09E-07	2.01E-07	3.12E-06
707	490736.72	3860185.12	1.07E-02	1.10E-02	1.09E-02	3.72E-06	1.12E-05	6.50E-06	6.63E-06	6.01E-06	2.74E-06	2.74E-06	0.00E+00	0.00E+00	1.20E-06	2.25E-07	1.43E-06	2.20E-07	2.12E-07	3.28E-06
708	490786.72	3860185.12	1.15E-02	1.17E-02	1.17E-02	3.96E-06	1.20E-05	6.93E-06	7.07E-06	6.41E-06	2.92E-06	2.92E-06	0.00E+00	0.00E+00	1.27E-06	2.40E-07	1.52E-06	2.35E-07	2.26E-07	3.50E-06
709	490836.72	3860185.12	1.23E-02	1.25E-02	1.25E-02	4.25E-06	1.28E-05	7.42E-06	7.58E-06	6.87E-06	3.13E-06	3.13E-06	0.00E+00	0.00E+00	1.37E-06	2.57E-07	1.63E-06	2.52E-07	2.42E-07	3.75E-06
710	490086.72	3860235.12	5.71E-03	5.83E-03	5.82E-03	1.98E-06	5.97E-06	3.46E-06	3.53E-06	3.20E-06	1.46E-06	1.46E-06	0.00E+00	0.00E+00	6.36E-07	1.20E-07	7.60E-07	1.17E-07	1.13E-07	1.74E-06
711	490136.72	3860235.12	5.93E-03	6.05E-03	6.04E-03	2.05E-06	6.20E-06	3.59E-06	3.66E-06	3.32E-06	1.51E-06	1.51E-06	0.00E+00	0.00E+00	6.60E-07	1.24E-07	7.88E-07	1.22E-07	1.17E-07	1.81E-06
712	490186.72	3860235.12	6.15E-03	6.28E-03	6.27E-03	2.13E-06	6.43E-06	3.72E-06	3.80E-06	3.44E-06	1.57E-06	1.57E-06	0.00E+00	0.00E+00	6.85E-07	1.29E-07	8.19E-07	1.26E-07	1.22E-07	1.88E-06
713	490236.72	3860235.12	6.38E-03	6.51E-03	6.50E-03	2.21E-06	6.67E-06	3.86E-06	3.94E-06	3.57E-06	1.63E-06	1.63E-06	0.00E+00	0.00E+00	7.10E-07	1.34E-07	8.48E-07	1.31E-07	1.26E-07	1.95E-06
714	490286.72	3860235.12	6.60E-03	6.74E-03	6.73E-03	2.29E-06	6.90E-06	4.00E-06	4.08E-06	3.70E-06	1.69E-06	1.68E-06	0.00E+00	0.00E+00	7.35E-07	1.38E-07	8.78E-07	1.35E-07	1.30E-07	2.02E-06
715	490336.72	3860235.12	6.85E-03	6.98E-03	6.98E-03	2.37E-06	7.15E-06	4.14E-06	4.23E-06	3.83E-06	1.75E-06	1.75E-06	0.00E+00	0.00E+00	7.62E-07	1.43E-07	9.10E-07	1.40E-07	1.35E-07	2.09E-06
716	490386.72	3860235.12	7.10E-03	7.24E-03	7.23E-03	2.46E-06	7.42E-06	4.29E-06	4.38E-06	3.97E-06	1.81E-06	1.81E-06	0.00E+00	0.00E+00	7.90E-07	1.49E-07	9.44E-07	1.46E-07	1.40E-07	2.17E-06
717	490436.72	3860235.12	7.37E-03	7.52E-03	7.51E-03	2.55E-06	7.70E-06	4.46E-06	4.55E-06	4.12E-06	1.88E-06	1.88E-06	0.00E+00	0.00E+00	8.20E-07	1.54E-07	9.79E-07	1.51E-07	1.45E-07	2.25E-06
718	490486.72	3860235.12	7.64E-03	7.79E-03	7.79E-03	2.64E-06	7.98E-06	4.62E-06	4.72E-06	4.28E-06	1.95E-06	1.95E-06	0.00E+00	0.00E+00	8.50E-07	1.60E-07	1.02E-06	1.57E-07	1.51E-07	2.33E-06
719	490536.72	3860235.12	7.95E-03	8.12E-03	8.11E-03	2.75E-06	8.31E-06	4.81E-06	4.91E-06	4.45E-06	2.03E-06	2.03E-06	0.00E+00	0.00E+00	8.85E-07	1.67E-07	1.06E-06	1.63E-07	1.57E-07	2.43E-06
720	490586.72	3860235.12	8.31E-03	8.48E-03	8.47E-03	2.88E-06	8.68E-06	5.03E-06	5.13E-06	4.65E-06	2.12E-06	2.12E-06	0.00E+00	0.00E+00	9.25E-07	1.74E-07	1.10E-06	1.70E-07	1.64E-07	2.54E-06
721	490636.72	3860235.12	8.69E-03	8.87E-03	8.86E-03	3.01E-06	9.08E-06	5.26E-06	5.37E-06	4.86E-06	2.22E-06	2.22E-06	0.00E+00	0.00E+00	9.67E-07	1.82E-07	1.16E-06	1.78E-07	1.72E-07	2.66E-06

722	490686.72	3860235.12	9.12E-03	9.31E-03	9.30E-03	3.16E-06	9.53E-06	5.52E-06	5.63E-06	5.10E-06	2.33E-06	2.33E-06	0.00E+00	0.00E+00	1.02E-06	1.91E-07	1.21E-06	1.87E-07	1.80E-07	2.79E-06
723	490736.72	3860235.12	9.59E-03	9.78E-03	9.77E-03	3.32E-06	1.00E-05	5.80E-06	5.92E-06	5.37E-06	2.45E-06	2.45E-06	0.00E+00	0.00E+00	1.07E-06	2.01E-07	1.27E-06	1.97E-07	1.89E-07	2.93E-06
724	490786.72	3860235.12	1.01E-02	1.03E-02	1.03E-02	3.50E-06	1.06E-05	6.12E-06	6.24E-06	5.66E-06	2.58E-06	2.58E-06	0.00E+00	0.00E+00	1.13E-06	2.12E-07	1.34E-06	2.07E-07	2.00E-07	3.09E-06
725	490086.72	3860285.12	5.29E-03	5.39E-03	5.39E-03	1.83E-06	5.52E-06	3.20E-06	3.26E-06	2.96E-06	1.35E-06	1.35E-06	0.00E+00	0.00E+00	5.88E-07	1.11E-07	7.03E-07	1.08E-07	1.04E-07	1.61E-06
726	490136.72	3860285.12	5.48E-03	5.59E-03	5.58E-03	1.90E-06	5.72E-06	3.31E-06	3.38E-06	3.07E-06	1.40E-06	1.40E-06	0.00E+00	0.00E+00	6.10E-07	1.15E-07	7.28E-07	1.12E-07	1.08E-07	1.67E-06
727	490186.72	3860285.12	5.67E-03	5.78E-03	5.77E-03	1.96E-06	5.92E-06	3.43E-06	3.50E-06	3.17E-06	1.45E-06	1.45E-06	0.00E+00	0.00E+00	6.31E-07	1.19E-07	7.53E-07	1.16E-07	1.12E-07	1.73E-06
728	490236.72	3860285.12	5.87E-03	5.99E-03	5.98E-03	2.03E-06	6.14E-06	3.55E-06	3.63E-06	3.29E-06	1.50E-06	1.50E-06	0.00E+00	0.00E+00	6.54E-07	1.23E-07	7.81E-07	1.20E-07	1.16E-07	1.79E-06
729	490286.72	3860285.12	6.07E-03	6.19E-03	6.18E-03	2.10E-06	6.34E-06	3.67E-06	3.75E-06	3.40E-06	1.55E-06	1.55E-06	0.00E+00	0.00E+00	6.75E-07	1.27E-07	8.07E-07	1.24E-07	1.20E-07	1.85E-06
730	490336.72	3860285.12	6.27E-03	6.40E-03	6.39E-03	2.17E-06	6.55E-06	3.79E-06	3.87E-06	3.51E-06	1.60E-06	1.60E-06	0.00E+00	0.00E+00	6.98E-07	1.31E-07	8.34E-07	1.29E-07	1.24E-07	1.92E-06
731	490386.72	3860285.12	6.50E-03	6.63E-03	6.62E-03	2.25E-06	6.79E-06	3.93E-06	4.01E-06	3.64E-06	1.66E-06	1.66E-06	0.00E+00	0.00E+00	7.24E-07	1.36E-07	8.64E-07	1.33E-07	1.28E-07	1.99E-06
732	490436.72	3860285.12	6.73E-03	6.87E-03	6.86E-03	2.33E-06	7.03E-06	4.07E-06	4.15E-06	3.77E-06	1.72E-06	1.72E-06	0.00E+00	0.00E+00	7.49E-07	1.41E-07	8.95E-07	1.38E-07	1.33E-07	2.06E-06
733	490486.72	3860285.12	6.98E-03	7.12E-03	7.11E-03	2.42E-06	7.29E-06	4.22E-06	4.31E-06	3.91E-06	1.78E-06	1.78E-06	0.00E+00	0.00E+00	7.77E-07	1.46E-07	9.28E-07	1.43E-07	1.38E-07	2.13E-06
734	490536.72	3860285.12	7.23E-03	7.38E-03	7.37E-03	2.50E-06	7.56E-06	4.38E-06	4.47E-06	4.05E-06	1.85E-06	1.85E-06	0.00E+00	0.00E+00	8.05E-07	1.52E-07	9.62E-07	1.48E-07	1.43E-07	2.21E-06
735	490586.72	3860285.12	7.52E-03	7.67E-03	7.66E-03	2.60E-06	7.86E-06	4.55E-06	4.64E-06	4.21E-06	1.92E-06	1.92E-06	0.00E+00	0.00E+00	8.37E-07	1.58E-07	1.00E-06	1.54E-07	1.49E-07	2.30E-06
736	490636.72	3860285.12	7.85E-03	8.01E-03	8.00E-03	2.72E-06	8.20E-06	4.75E-06	4.85E-06	4.39E-06	2.00E-06	2.00E-06	0.00E+00	0.00E+00	8.74E-07	1.64E-07	1.04E-06	1.61E-07	1.55E-07	2.40E-06
737	490686.72	3860285.12	8.22E-03	8.39E-03	8.38E-03	2.85E-06	8.59E-06	4.97E-06	5.08E-06	4.60E-06	2.10E-06	2.10E-06	0.00E+00	0.00E+00	9.15E-07	1.72E-07	1.09E-06	1.69E-07	1.62E-07	2.51E-06
738	490736.72	3860285.12	8.62E-03	8.79E-03	8.78E-03	2.98E-06	9.01E-06	5.21E-06	5.32E-06	4.82E-06	2.20E-06	2.20E-06	0.00E+00	0.00E+00	9.59E-07	1.81E-07	1.15E-06	1.77E-07	1.70E-07	2.63E-06
739	490786.72	3860285.12	9.07E-03	9.26E-03	9.25E-03	3.14E-06	9.48E-06	5.49E-06	5.60E-06	5.08E-06	2.32E-06	2.31E-06	0.00E+00	0.00E+00	1.01E-06	1.90E-07	1.21E-06	1.86E-07	1.79E-07	2.77E-06
740	490086.72	3860335.12	4.91E-03	5.01E-03	5.01E-03	1.70E-06	5.13E-06	2.97E-06	3.03E-06	2.75E-06	1.25E-06	1.25E-06	0.00E+00	0.00E+00	5.47E-07	1.03E-07	6.53E-07	1.01E-07	9.70E-08	1.50E-06
741	490136.72	3860335.12	5.08E-03	5.19E-03	5.18E-03	1.76E-06	5.31E-06	3.08E-06	3.14E-06	2.85E-06	1.30E-06	1.30E-06	0.00E+00	0.00E+00	5.66E-07	1.07E-07	6.76E-07	1.04E-07	1.00E-07	1.55E-06
742	490186.72	3860335.12	5.25E-03	5.36E-03	5.35E-03	1.82E-06	5.49E-06	3.18E-06	3.24E-06	2.94E-06	1.34E-06	1.34E-06	0.00E+00	0.00E+00	5.84E-07	1.10E-07	6.98E-07	1.08E-07	1.04E-07	1.60E-06
743	490236.72	3860335.12	5.43E-03	5.54E-03	5.54E-03	1.88E-06	5.68E-06	3.29E-06	3.35E-06	3.04E-06	1.39E-06	1.39E-06	0.00E+00	0.00E+00	6.05E-07	1.14E-07	7.22E-07	1.11E-07	1.07E-07	1.66E-06
744	490286.72	3860335.12	5.60E-03	5.72E-03	5.71E-03	1.94E-06	5.86E-06	3.39E-06	3.46E-06	3.14E-06	1.43E-06	1.43E-06	0.00E+00	0.00E+00	6.24E-07	1.17E-07	7.45E-07	1.15E-07	1.11E-07	1.71E-06
745	490336.72	3860335.12	5.78E-03	5.90E-03	5.89E-03	2.00E-06	6.04E-06	3.50E-06	3.57E-06	3.24E-06	1.48E-06	1.47E-06	0.00E+00	0.00E+00	6.44E-07	1.21E-07	7.69E-07	1.19E-07	1.14E-07	1.77E-06
746	490386.72	3860335.12	5.98E-03	6.10E-03	6.09E-03	2.07E-06	6.25E-06	3.62E-06	3.69E-06	3.34E-06	1.53E-06	1.52E-06	0.00E+00	0.00E+00	6.65E-07	1.25E-07	7.95E-07	1.23E-07	1.18E-07	1.83E-06
747	490436.72	3860335.12	6.18E-03	6.31E-03	6.30E-03	2.14E-06	6.46E-06	3.74E-06	3.82E-06	3.46E-06	1.58E-06	1.58E-06	0.00E+00	0.00E+00	6.88E-07	1.30E-07	8.22E-07	1.27E-07	1.22E-07	1.89E-06
748	490486.72	3860335.12	6.40E-03	6.53E-03	6.52E-03	2.21E-06	6.69E-06	3.87E-06	3.95E-06	3.58E-06	1.63E-06	1.63E-06	0.00E+00	0.00E+00	7.12E-07	1.34E-07	8.51E-07	1.31E-07	1.26E-07	1.95E-06
749	490536.72	3860335.12	6.64E-03	6.78E-03	6.77E-03	2.30E-06	6.94E-06	4.02E-06	4.10E-06	3.72E-06	1.70E-06	1.69E-06	0.00E+00	0.00E+00	7.39E-07	1.39E-07	8.83E-07	1.36E-07	1.31E-07	2.03E-06
750	490586.72	3860335.12	6.88E-03	7.02E-03	7.01E-03	2.38E-06	7.19E-06	4.16E-06	4.25E-06	3.85E-06	1.76E-06	1.75E-06	0.00E+00	0.00E+00	7.66E-07	1.44E-07	9.15E-07	1.41E-07	1.36E-07	2.10E-06
751	490636.72	3860335.12	7.16E-03	7.30E-03	7.29E-03	2.48E-06	7.48E-06	4.33E-06	4.42E-06	4.00E-06	1.83E-06	1.83E-06	0.00E+00	0.00E+00	7.97E-07	1.50E-07	9.52E-07	1.47E-07	1.41E-07	2.19E-06
752	490686.72	3860335.12	7.46E-03	7.61E-03	7.61E-03	2.58E-06	7.80E-06	4.52E-06	4.61E-06	4.18E-06	1.91E-06	1.90E-06	0.00E+00	0.00E+00	8.31E-07	1.56E-07	9.92E-07	1.53E-07	1.47E-07	2.28E-06
753	490736.72	3860335.12	7.80E-03	7.96E-03	7.95E-03	2.70E-06	8.16E-06	4.72E-06	4.82E-06	4.37E-06	1.99E-06	1.99E-06	0.00E+00	0.00E+00	8.69E-07	1.64E-07	1.04E-06	1.60E-07	1.54E-07	2.38E-06
754	490786.72	3860335.12	8.22E-03	8.38E-03	8.37E-03	2.84E-06	8.59E-06	4.97E-06	5.07E-06	4.60E-06	2.10E-06	2.10E-06	0.00E+00	0.00E+00	9.15E-07	1.72E-07	1.09E-06	1.68E-07	1.62E-07	2.51E-06
755	490086.72	3860385.12	4.58E-03	4.68E-03	4.67E-03	1.59E-06	4.79E-06	2.77E-06	2.83E-06	2.57E-06	1.17E-06	1.17E-06	0.00E+00	0.00E+00	5.10E-07	9.61E-08	6.10E-07	9.40E-08	9.05E-08	1.40E-06
756	490136.72	3860385.12	4.74E-03	4.84E-03	4.83E-03	1.64E-06	4.95E-06	2.87E-06	2.93E-06	2.65E-06	1.21E-06	1.21E-06	0.00E+00	0.00E+00	5.28E-07	9.93E-08	6.30E-07	9.72E-08	9.36E-08	1.45E-06
757	490186.72	3860385.12	4.88E-03	4.98E-03	4.97E-03	1.69E-06	5.10E-06	2.95E-06	3.01E-06	2.73E-06	1.25E-06	1.24E-06	0.00E+00	0.00E+00	5.43E-07	1.02E-07	6.49E-07	1.00E-07	9.64E-08	1.49E-06
758	490236.72	3860385.12	5.04E-03	5.14E-03	5.13E-03	1.74E-06	5.27E-06	3.05E-06	3.11E-06	2.82E-06	1.29E-06	1.29E-06	0.00E+00	0.00E+00	5.61E-07	1.06E-07	6.70E-07	1.03E-07	9.95E-08	1.54E-06
759	490286.72	3860385.12	5.19E-03	5.30E-03	5.29E-03	1.80E-06	5.43E-06	3.14E-06	3.21E-06	2.91E-06	1.33E-06	1.32E-06	0.00E+00	0.00E+00	5.78E-07	1.09E-07	6.91E-07	1.06E-07	1.03E-07	1.59E-06
760	490336.72	3860385.12	5.36E-03	5.46E-03	5.46E-03	1.85E-06	5.60E-06	3.24E-06	3.31E-06	3.00E-06	1.37E-06	1.37E-06	0.00E+00	0.00E+00	5.96E-07	1.12E-07	7.12E-07	1.10E-07	1.06E-07	1.64E-06
761	490386.72	3860385.12	5.52E-03	5.64E-03	5.63E-03	1.91E-06	5.77E-06	3.34E-06	3.41E-06	3.09E-06	1.41E-06	1.41E-06	0.00E+00	0.00E+00	6.15E-07	1.16E-07	7.35E-07	1.13E-07	1.09E-07	1.69E-06
762	490436.72	3860385.12	5.71E-03	5.82E-03	5.81E-03	1.97E-06	5.96E-06	3.45E-06	3.52E-06	3.19E-06	1.46E-06	1.46E-06	0.00E+00	0.00E+00	6.35E-07	1.20E-07	7.59E-07	1.17E-07	1.13E-07	1.74E-06
763	490486.72	3860385.12	5.90E-03	6.03E-03	6.02E-03	2.04E-06	6.17E-06	3.57E-06	3.65E-06	3.30E-06	1.51E-06	1.51E-06	0.00E+00	0.00E+00	6.57E-07	1.24E-07	7.85E-07	1.21E-07	1.17E-07	1.80E-06
764	490536.72	3860385.12	6.11E-03	6.24E-03	6.23E-03	2.12E-06	6.39E-06	3.70E-06	3.77E-06	3.42E-06	1.56E-06	1.56E-06	0.00E+00	0.00E+00	6.80E-07	1.28E-07	8.13E-07	1.25E-07	1.21E-07	1.87E-06
765	490586.72	3860385.12	6.33E-03	6.46E-03	6.45E-03	2.19E-06	6.62E-06	3.83E-06	3.91E-06	3.54E-06	1.62E-06	1.62E-06	0.00E+00	0.00E+00	7.05E-07	1.33E-07	8.42E-07	1.30E-07	1.25E-07	1.93E-06
766	490636.72	3860385.12	6.56E-03	6.70E-03	6.69E-03	2.27E-06	6.86E-06	3.97E-06	4.05E-06	3.67E-06	1.68E-06	1.67E-06	0.00E+00	0.00E+00	7.30E-07	1.38E-07	8.73E-07	1.35E-07	1.30E-07	2.00E-06
767	490686.72	3860385.12	6.83E-03	6.97E-03	6.96E-03	2.36E-06	7.14E-06	4.13E-06	4.22E-06	3.82E-06	1.74E-06	1.74E-06	0.00E+00	0.00E+00	7.60E-07	1.43E-07	9.08E-07	1.40E-07	1.35E-07	2.09E-06
768	490736.72	3860385.12	7.11E-03	7.25E-03	7.24E-03	2.46E-06	7.43E-06	4.30E-06	4.39E-06	3.98E-06	1.81E-06	1.81E-06	0.00E+00	0.00E+00	7.91E-07	1.49E-07	9.45E-07	1.46E-07	1.40E-07	2.17E-06
769	490786.72	3860385.12	7.43E-03	7.58E-03	7.57E-03	2.57E-06	7.76E-06	4.49E-06	4.59E-06	4.16E-06	1.90E-06	1.89E-06	0.00E+00	0.00E+00	8.27E-07	1.56E-07	9.88E-07	1.52E-07	1.47E-07	2.27E-06
770	490136.72	3860435.12	4.42E-03	4.51E-03	4.51E-03	1.53E-06	4.62E-06	2.67E-06	2.73E-06	2.47E-06	1.13E-06	1.13E-06	0.00E+00	0.00E+00	4.92E-07	9.26E-08	5.88E-07	9.07E-08	8.73E-08	1.35E-06
771	490186.72	3860435.12	4.56E-03	4.65E-03	4.65E-03	1.58E-06	4.76E-06	2.76E-06	2.81E-06	2.55E-06	1.16E-06	1.16E-06	0.00E+00	0.00E+00	5.07E-07	9.55E-08	6.06E-07	9.35E-08	9.00E-08	1.39E-06
772	490236.72	3860435.12	4.69E-03	4.79E-03	4.78E-03	1.62E-06	4.91E-06	2.84E-06	2.90E-06	2.63E-06	1.20E-06	1.20E-06	0.00E+00	0.00E+00	5.23E-07	9.84E-08	6.24E-07	9.63E-08	9.27E-08	1.43E-06
773	490286.72	3860435.12	4.83E-03	4.93E-03	4.93E-03	1.67E-06	5.05E-06	2.92E-06	2.98E-06	2.71E-06	1.23E-06	1.23E-06	0.00E+00	0.00E+00	5.38E-07	1.01E-07	6.43E-07	9.91E-08	9.55E-08	1.48E-06
774	490336.72	3860435.12	4.97E-03	5.07E-03	5.07E-03	1.72E-06	5.20E-06	3.01E-06	3.07E-06	2.78E-06	1.27E-06	1.27E-06	0.00E+00	0.00E+00	5.53E-07	1.04E-07	6.61E-07	1.02E-07	9.82E-08	1.52E-06
775	490386.72	3860435.12	5.13E-03	5.23E-03	5.22E-03	1.77E-06	5.36E-06	3.10E-06	3.16E-06	2.87E-06	1.31E-06	1.31E-06	0.00E+00	0.00E+00	5.71E-07	1.07E-07	6.82E-07	1.05E-07	1.01E-07	1.57E-06
776	490436.72	3860435.12	5.29E-03	5.39E-03	5.39E-03	1.83E-06	5.53E-06	3.20E-06	3.26E-06	2.96E-06	1.35E-06	1.35E-06	0.00E+00	0.00E+00	5.88E-07	1.11E-07	7.03E-07	1.08E-07	1.04E-07	1.62E-06
777	490486.72	3860435.12	5.46E-03	5.57E-03	5.56E-03	1.89E-06	5.70E-06	3.30E-06	3.37E-06	3.05E-06	1.39E-06	1.39E-06	0.00E+00	0.00E+00	6.07E-07	1.14E-07	7.26E-07	1.12E-07	1.08E-07	1.67E-06

778	490536.72	3860435.12	5.64E-03	5.76E-03	5.75E-03	1.95E-06	5.90E-06	3.41E-06	3.48E-06	3.16E-06	1.44E-06	1.44E-06	0.00E+00	0.00E+00	6.28E-07	1.18E-07	7.51E-07	1.16E-07	1.11E-07	1.72E-06
779	490586.72	3860435.12	5.83E-03	5.95E-03	5.95E-03	2.02E-06	6.10E-06	3.53E-06	3.60E-06	3.27E-06	1.49E-06	1.49E-06	0.00E+00	0.00E+00	6.49E-07	1.22E-07	7.76E-07	1.20E-07	1.15E-07	1.78E-06
780	490636.72	3860435.12	6.03E-03	6.16E-03	6.15E-03	2.09E-06	6.31E-06	3.65E-06	3.73E-06	3.38E-06	1.54E-06	1.54E-06	0.00E+00	0.00E+00	6.72E-07	1.26E-07	8.02E-07	1.24E-07	1.19E-07	1.84E-06
781	490686.72	3860435.12	6.26E-03	6.39E-03	6.38E-03	2.17E-06	6.55E-06	3.79E-06	3.87E-06	3.50E-06	1.60E-06	1.60E-06	0.00E+00	0.00E+00	6.97E-07	1.31E-07	8.33E-07	1.28E-07	1.24E-07	1.91E-06
782	490736.72	3860435.12	6.52E-03	6.65E-03	6.65E-03	2.26E-06	6.82E-06	3.95E-06	4.03E-06	3.65E-06	1.67E-06	1.66E-06	0.00E+00	0.00E+00	7.26E-07	1.37E-07	8.67E-07	1.34E-07	1.29E-07	1.99E-06
783	490786.72	3860435.12	6.78E-03	6.92E-03	6.91E-03	2.35E-06	7.09E-06	4.10E-06	4.19E-06	3.80E-06	1.73E-06	1.73E-06	0.00E+00	0.00E+00	7.55E-07	1.42E-07	9.02E-07	1.39E-07	1.34E-07	2.07E-06
784	490136.72	3860485.12	4.16E-03	4.24E-03	4.24E-03	1.44E-06	4.34E-06	2.51E-06	2.57E-06	2.33E-06	1.06E-06	1.06E-06	0.00E+00	0.00E+00	4.63E-07	8.71E-08	5.53E-07	8.52E-08	8.21E-08	1.27E-06
785	490186.72	3860485.12	4.27E-03	4.36E-03	4.35E-03	1.48E-06	4.47E-06	2.59E-06	2.64E-06	2.39E-06	1.09E-06	1.09E-06	0.00E+00	0.00E+00	4.76E-07	8.95E-08	5.68E-07	8.76E-08	8.44E-08	1.31E-06
786	490236.72	3860485.12	4.39E-03	4.48E-03	4.47E-03	1.52E-06	4.59E-06	2.65E-06	2.71E-06	2.46E-06	1.12E-06	1.12E-06	0.00E+00	0.00E+00	4.88E-07	9.19E-08	5.83E-07	9.00E-08	8.67E-08	1.34E-06
787	490286.72	3860485.12	4.52E-03	4.61E-03	4.60E-03	1.56E-06	4.72E-06	2.73E-06	2.79E-06	2.53E-06	1.15E-06	1.15E-06	0.00E+00	0.00E+00	5.03E-07	9.46E-08	6.01E-07	9.26E-08	8.92E-08	1.38E-06
788	490336.72	3860485.12	4.64E-03	4.73E-03	4.73E-03	1.61E-06	4.85E-06	2.81E-06	2.86E-06	2.60E-06	1.18E-06	1.18E-06	0.00E+00	0.00E+00	5.16E-07	9.72E-08	6.17E-07	9.51E-08	9.16E-08	1.42E-06
789	490386.72	3860485.12	4.78E-03	4.88E-03	4.87E-03	1.65E-06	4.99E-06	2.89E-06	2.95E-06	2.67E-06	1.22E-06	1.22E-06	0.00E+00	0.00E+00	5.32E-07	1.00E-07	6.35E-07	9.80E-08	9.44E-08	1.46E-06
790	490436.72	3860485.12	4.93E-03	5.03E-03	5.03E-03	1.71E-06	5.16E-06	2.99E-06	3.05E-06	2.76E-06	1.26E-06	1.26E-06	0.00E+00	0.00E+00	5.49E-07	1.03E-07	6.56E-07	1.01E-07	9.75E-08	1.51E-06
791	490486.72	3860485.12	5.08E-03	5.18E-03	5.18E-03	1.76E-06	5.31E-06	3.07E-06	3.14E-06	2.84E-06	1.30E-06	1.30E-06	0.00E+00	0.00E+00	5.65E-07	1.06E-07	6.75E-07	1.04E-07	1.00E-07	1.55E-06
792	490536.72	3860485.12	5.23E-03	5.33E-03	5.33E-03	1.81E-06	5.46E-06	3.16E-06	3.23E-06	2.93E-06	1.34E-06	1.33E-06	0.00E+00	0.00E+00	5.82E-07	1.10E-07	6.95E-07	1.07E-07	1.03E-07	1.60E-06
793	490586.72	3860485.12	5.39E-03	5.50E-03	5.49E-03	1.87E-06	5.63E-06	3.26E-06	3.33E-06	3.02E-06	1.38E-06	1.38E-06	0.00E+00	0.00E+00	6.00E-07	1.13E-07	7.17E-07	1.11E-07	1.06E-07	1.65E-06
794	490636.72	3860485.12	5.58E-03	5.69E-03	5.69E-03	1.93E-06	5.83E-06	3.38E-06	3.44E-06	3.12E-06	1.42E-06	1.42E-06	0.00E+00	0.00E+00	6.21E-07	1.17E-07	7.42E-07	1.14E-07	1.10E-07	1.70E-06
795	490686.72	3860485.12	5.76E-03	5.88E-03	5.87E-03	1.99E-06	6.02E-06	3.49E-06	3.56E-06	3.23E-06	1.47E-06	1.47E-06	0.00E+00	0.00E+00	6.41E-07	1.21E-07	7.66E-07	1.18E-07	1.14E-07	1.76E-06
796	490736.72	3860485.12	5.98E-03	6.10E-03	6.10E-03	2.07E-06	6.25E-06	3.62E-06	3.69E-06	3.35E-06	1.53E-06	1.53E-06	0.00E+00	0.00E+00	6.66E-07	1.25E-07	7.95E-07	1.23E-07	1.18E-07	1.83E-06
797	490786.72	3860485.12	6.21E-03	6.34E-03	6.33E-03	2.15E-06	6.49E-06	3.76E-06	3.84E-06	3.48E-06	1.59E-06	1.58E-06	0.00E+00	0.00E+00	6.92E-07	1.30E-07	8.26E-07	1.27E-07	1.23E-07	1.90E-06
798	490136.72	3860535.12	3.91E-03	3.99E-03	3.99E-03	1.35E-06	4.09E-06	2.37E-06	2.42E-06	2.19E-06	9.99E-07	9.98E-07	0.00E+00	0.00E+00	4.36E-07	8.20E-08	5.20E-07	8.02E-08	7.73E-08	1.20E-06
799	490186.72	3860535.12	4.04E-03	4.12E-03	4.11E-03	1.40E-06	4.22E-06	2.44E-06	2.49E-06	2.26E-06	1.03E-06	1.03E-06	0.00E+00	0.00E+00	4.49E-07	8.46E-08	5.37E-07	8.27E-08	7.97E-08	1.23E-06
800	490236.72	3860535.12	4.12E-03	4.21E-03	4.20E-03	1.43E-06	4.31E-06	2.49E-06	2.54E-06	2.31E-06	1.05E-06	1.05E-06	0.00E+00	0.00E+00	4.59E-07	8.64E-08	5.48E-07	8.45E-08	8.14E-08	1.26E-06
801	490286.72	3860535.12	4.23E-03	4.31E-03	4.31E-03	1.46E-06	4.42E-06	2.56E-06	2.61E-06	2.37E-06	1.08E-06	1.08E-06	0.00E+00	0.00E+00	4.70E-07	8.86E-08	5.62E-07	8.67E-08	8.35E-08	1.29E-06
802	490336.72	3860535.12	4.34E-03	4.43E-03	4.43E-03	1.50E-06	4.54E-06	2.63E-06	2.68E-06	2.43E-06	1.11E-06	1.11E-06	0.00E+00	0.00E+00	4.84E-07	9.10E-08	5.78E-07	8.91E-08	8.58E-08	1.33E-06
803	490386.72	3860535.12	4.48E-03	4.57E-03	4.56E-03	1.55E-06	4.68E-06	2.71E-06	2.76E-06	2.50E-06	1.14E-06	1.14E-06	0.00E+00	0.00E+00	4.98E-07	9.38E-08	5.95E-07	9.18E-08	8.84E-08	1.37E-06
804	490436.72	3860535.12	4.61E-03	4.70E-03	4.70E-03	1.60E-06	4.82E-06	2.79E-06	2.85E-06	2.58E-06	1.18E-06	1.18E-06	0.00E+00	0.00E+00	5.13E-07	9.66E-08	6.13E-07	9.45E-08	9.11E-08	1.41E-06
805	490486.72	3860535.12	4.75E-03	4.84E-03	4.84E-03	1.64E-06	4.96E-06	2.87E-06	2.93E-06	2.66E-06	1.21E-06	1.21E-06	0.00E+00	0.00E+00	5.28E-07	9.95E-08	6.31E-07	9.73E-08	9.38E-08	1.45E-06
806	490536.72	3860535.12	4.92E-03	5.02E-03	5.02E-03	1.70E-06	5.14E-06	2.98E-06	3.04E-06	2.75E-06	1.26E-06	1.26E-06	0.00E+00	0.00E+00	5.48E-07	1.03E-07	6.54E-07	1.01E-07	9.72E-08	1.50E-06
807	490586.72	3860535.12	5.02E-03	5.12E-03	5.12E-03	1.74E-06	5.25E-06	3.04E-06	3.10E-06	2.81E-06	1.28E-06	1.28E-06	0.00E+00	0.00E+00	5.59E-07	1.05E-07	6.67E-07	1.03E-07	9.91E-08	1.53E-06
808	490636.72	3860535.12	5.17E-03	5.27E-03	5.27E-03	1.79E-06	5.40E-06	3.13E-06	3.19E-06	2.89E-06	1.32E-06	1.32E-06	0.00E+00	0.00E+00	5.75E-07	1.08E-07	6.87E-07	1.06E-07	1.02E-07	1.58E-06
809	490686.72	3860535.12	5.34E-03	5.45E-03	5.44E-03	1.85E-06	5.58E-06	3.23E-06	3.30E-06	2.99E-06	1.36E-06	1.36E-06	0.00E+00	0.00E+00	5.94E-07	1.12E-07	7.10E-07	1.09E-07	1.05E-07	1.63E-06
810	490736.72	3860535.12	5.51E-03	5.62E-03	5.62E-03	1.91E-06	5.76E-06	3.33E-06	3.40E-06	3.08E-06	1.41E-06	1.41E-06	0.00E+00	0.00E+00	6.13E-07	1.15E-07	7.33E-07	1.13E-07	1.09E-07	1.68E-06
811	490786.72	3860535.12	5.71E-03	5.83E-03	5.82E-03	1.98E-06	5.97E-06	3.46E-06	3.53E-06	3.20E-06	1.46E-06	1.46E-06	0.00E+00	0.00E+00	6.36E-07	1.20E-07	7.60E-07	1.17E-07	1.13E-07	1.75E-06
812	490136.72	3860585.12	3.71E-03	3.78E-03	3.78E-03	1.28E-06	3.88E-06	2.24E-06	2.29E-06	2.08E-06	9.47E-07	9.46E-07	0.00E+00	0.00E+00	4.13E-07	7.77E-08	4.93E-07	7.60E-08	7.32E-08	1.13E-06
813	490186.72	3860585.12	3.75E-03	3.83E-03	3.83E-03	1.30E-06	3.92E-06	2.27E-06	2.32E-06	2.10E-06	9.59E-07	9.58E-07	0.00E+00	0.00E+00	4.18E-07	7.87E-08	4.99E-07	7.70E-08	7.41E-08	1.15E-06
814	490236.72	3860585.12	3.86E-03	3.94E-03	3.94E-03	1.34E-06	4.04E-06	2.34E-06	2.39E-06	2.16E-06	9.87E-07	9.86E-07	0.00E+00	0.00E+00	4.30E-07	8.10E-08	5.14E-07	7.93E-08	7.63E-08	1.18E-06
815	490286.72	3860585.12	3.97E-03	4.05E-03	4.05E-03	1.38E-06	4.15E-06	2.40E-06	2.45E-06	2.22E-06	1.01E-06	1.01E-06	0.00E+00	0.00E+00	4.42E-07	8.33E-08	5.28E-07	8.15E-08	7.85E-08	1.21E-06
816	490336.72	3860585.12	4.08E-03	4.16E-03	4.15E-03	1.41E-06	4.26E-06	2.47E-06	2.52E-06	2.28E-06	1.04E-06	1.04E-06	0.00E+00	0.00E+00	4.54E-07	8.54E-08	5.42E-07	8.36E-08	8.05E-08	1.25E-06
817	490386.72	3860585.12	4.18E-03	4.27E-03	4.26E-03	1.45E-06	4.37E-06	2.53E-06	2.58E-06	2.34E-06	1.07E-06	1.07E-06	0.00E+00	0.00E+00	4.66E-07	8.76E-08	5.56E-07	8.58E-08	8.26E-08	1.28E-06
818	490436.72	3860585.12	4.33E-03	4.42E-03	4.41E-03	1.50E-06	4.53E-06	2.62E-06	2.67E-06	2.42E-06	1.11E-06	1.10E-06	0.00E+00	0.00E+00	4.82E-07	9.07E-08	5.76E-07	8.88E-08	8.55E-08	1.32E-06
819	490486.72	3860585.12	4.48E-03	4.57E-03	4.56E-03	1.55E-06	4.68E-06	2.71E-06	2.76E-06	2.51E-06	1.14E-06	1.14E-06	0.00E+00	0.00E+00	4.98E-07	9.38E-08	5.95E-07	9.18E-08	8.84E-08	1.37E-06
820	490536.72	3860585.12	4.59E-03	4.69E-03	4.68E-03	1.59E-06	4.80E-06	2.78E-06	2.84E-06	2.57E-06	1.17E-06	1.17E-06	0.00E+00	0.00E+00	5.11E-07	9.63E-08	6.11E-07	9.42E-08	9.07E-08	1.40E-06
821	490586.72	3860585.12	4.66E-03	4.76E-03	4.75E-03	1.61E-06	4.87E-06	2.82E-06	2.88E-06	2.61E-06	1.19E-06	1.19E-06	0.00E+00	0.00E+00	5.19E-07	9.77E-08	6.20E-07	9.56E-08	9.21E-08	1.42E-06
822	490636.72	3860585.12	4.80E-03	4.90E-03	4.89E-03	1.66E-06	5.02E-06	2.91E-06	2.96E-06	2.69E-06	1.23E-06	1.22E-06	0.00E+00	0.00E+00	5.34E-07	1.01E-07	6.38E-07	9.85E-08	9.48E-08	1.47E-06
823	490686.72	3860585.12	4.95E-03	5.05E-03	5.04E-03	1.71E-06	5.17E-06	2.99E-06	3.05E-06	2.77E-06	1.26E-06	1.26E-06	0.00E+00	0.00E+00	5.51E-07	1.04E-07	6.58E-07	1.01E-07	9.77E-08	1.51E-06
824	490736.72	3860585.12	5.10E-03	5.21E-03	5.20E-03	1.77E-06	5.33E-06	3.09E-06	3.15E-06	2.86E-06	1.30E-06	1.30E-06	0.00E+00	0.00E+00	5.68E-07	1.07E-07	6.78E-07	1.05E-07	1.01E-07	1.56E-06
825	490786.72	3860585.12	5.26E-03	5.37E-03	5.36E-03	1.82E-06	5.50E-06	3.18E-06	3.25E-06	2.95E-06	1.34E-06	1.34E-06	0.00E+00	0.00E+00	5.86E-07	1.10E-07	7.00E-07	1.08E-07	1.04E-07	1.61E-06
826	490136.72	3860635.12	3.53E-03	3.60E-03	3.60E-03	1.22E-06	3.69E-06	2.14E-06	2.18E-06	1.98E-06	9.02E-07	9.01E-07	0.00E+00	0.00E+00	3.93E-07	7.40E-08	4.70E-07	7.24E-08	6.97E-08	1.08E-06
827	490186.72	3860635.12	3.59E-03	3.66E-03	3.66E-03	1.24E-06	3.75E-06	2.17E-06	2.22E-06	2.01E-06	9.17E-07	9.16E-07	0.00E+00	0.00E+00	4.00E-07	7.53E-08	4.78E-07	7.36E-08	7.09E-08	1.10E-06
828	490236.72	3860635.12	3.65E-03	3.72E-03	3.72E-03	1.26E-06	3.81E-06	2.21E-06	2.25E-06	2.04E-06	9.32E-07	9.31E-07	0.00E+00	0.00E+00	4.06E-07	7.65E-08	4.85E-07	7.48E-08	7.21E-08	1.11E-06
829	490286.72	3860635.12	3.73E-03	3.81E-03	3.80E-03	1.29E-06	3.90E-06	2.26E-06	2.30E-06	2.09E-06	9.53E-07	9.52E-07	0.00E+00	0.00E+00	4.15E-07	7.82E-08	4.96E-07	7.65E-08	7.37E-08	1.14E-06
830	490336.72	3860635.12	3.83E-03	3.91E-03	3.90E-03	1.33E-06	4.00E-06	2.32E-06	2.36E-06	2.14E-06	9.78E-07	9.77E-07	0.00E+00	0.00E+00	4.26E-07	8.03E-08	5.09E-07	7.85E-08	7.56E-08	1.17E-06
831	490386.72	3860635.12	3.93E-03	4.01E-03	4.01E-03	1.36E-06	4.11E-06	2.38E-06	2.43E-06	2.20E-06	1.00E-06	1.00E-06	0.00E+00	0.00E+00	4.37E-07	8.24E-08	5.23E-07	8.06E-08	7.76E-08	1.20E-06
832	490436.72	3860635.12	4.03E-03	4.11E-03	4.11E-03	1.39E-06	4.21E-06	2.44E-06	2.49E-06	2.25E-06	1.03E-06	1.03E-06	0.00E+00	0.00E+00	4.48E-07	8.44E-08	5.36E-07	8.26E-08	7.96E-08	1.23E-06
833	490486.72	3860635.12	4.14E-03	4.22E-03	4.22E-03	1.43E-06	4.32E-06	2.50E-06	2.55E-06	2.32E-06	1.06E-06	1.06E-06	0.00E+00	0.00E+00	4.61E-07	8.67E-08	5.50E-07	8.49E-08	8.17E-08	1.26E-06

834	490536.72	3860635.12	4.27E-03	4.35E-03	4.35E-03	1.48E-06	4.46E-06	2.58E-06	2.63E-06	2.39E-06	1.09E-06	1.09E-06	0.00E+00	0.00E+00	4.75E-07	8.94E-08	5.67E-07	8.75E-08	8.43E-08	1.30E-06
835	490586.72	3860635.12	4.36E-03	4.45E-03	4.44E-03	1.51E-06	4.56E-06	2.64E-06	2.69E-06	2.44E-06	1.11E-06	1.11E-06	0.00E+00	0.00E+00	4.85E-07	9.14E-08	5.80E-07	8.94E-08	8.61E-08	1.33E-06
836	490636.72	3860635.12	4.48E-03	4.58E-03	4.57E-03	1.55E-06	4.69E-06	2.71E-06	2.77E-06	2.51E-06	1.15E-06	1.14E-06	0.00E+00	0.00E+00	4.99E-07	9.40E-08	5.96E-07	9.20E-08	8.86E-08	1.37E-06
837	490686.72	3860635.12	4.61E-03	4.70E-03	4.70E-03	1.60E-06	4.82E-06	2.79E-06	2.85E-06	2.58E-06	1.18E-06	1.18E-06	0.00E+00	0.00E+00	5.13E-07	9.66E-08	6.13E-07	9.45E-08	9.10E-08	1.41E-06
838	490736.72	3860635.12	4.73E-03	4.82E-03	4.82E-03	1.64E-06	4.94E-06	2.86E-06	2.92E-06	2.65E-06	1.21E-06	1.21E-06	0.00E+00	0.00E+00	5.26E-07	9.91E-08	6.29E-07	9.69E-08	9.34E-08	1.44E-06
839	490786.72	3860635.12	4.87E-03	4.97E-03	4.96E-03	1.69E-06	5.09E-06	2.95E-06	3.01E-06	2.73E-06	1.24E-06	1.24E-06	0.00E+00	0.00E+00	5.42E-07	1.02E-07	6.48E-07	9.99E-08	9.62E-08	1.49E-06
840	490136.72	3860685.12	3.33E-03	3.40E-03	3.40E-03	1.15E-06	3.48E-06	2.02E-06	2.06E-06	1.87E-06	8.51E-07	8.50E-07	0.00E+00	0.00E+00	3.71E-07	6.99E-08	4.43E-07	6.84E-08	6.58E-08	1.02E-06
841	490186.72	3860685.12	3.43E-03	3.50E-03	3.50E-03	1.19E-06	3.59E-06	2.08E-06	2.12E-06	1.92E-06	8.77E-07	8.76E-07	0.00E+00	0.00E+00	3.82E-07	7.20E-08	4.57E-07	7.04E-08	6.78E-08	1.05E-06
842	490236.72	3860685.12	3.48E-03	3.55E-03	3.55E-03	1.21E-06	3.64E-06	2.11E-06	2.15E-06	1.95E-06	8.89E-07	8.88E-07	0.00E+00	0.00E+00	3.88E-07	7.30E-08	4.63E-07	7.14E-08	6.88E-08	1.06E-06
843	490286.72	3860685.12	3.51E-03	3.58E-03	3.58E-03	1.22E-06	3.67E-06	2.13E-06	2.17E-06	1.97E-06	8.97E-07	8.96E-07	0.00E+00	0.00E+00	3.91E-07	7.36E-08	4.67E-07	7.20E-08	6.94E-08	1.07E-06
844	490336.72	3860685.12	3.61E-03	3.68E-03	3.68E-03	1.25E-06	3.77E-06	2.18E-06	2.23E-06	2.02E-06	9.22E-07	9.21E-07	0.00E+00	0.00E+00	4.02E-07	7.57E-08	4.80E-07	7.40E-08	7.13E-08	1.10E-06
845	490386.72	3860685.12	3.70E-03	3.77E-03	3.77E-03	1.28E-06	3.87E-06	2.24E-06	2.28E-06	2.07E-06	9.45E-07	9.43E-07	0.00E+00	0.00E+00	4.12E-07	7.75E-08	4.92E-07	7.58E-08	7.31E-08	1.13E-06
846	490436.72	3860685.12	3.78E-03	3.86E-03	3.85E-03	1.31E-06	3.95E-06	2.29E-06	2.33E-06	2.11E-06	9.65E-07	9.64E-07	0.00E+00	0.00E+00	4.21E-07	7.92E-08	5.02E-07	7.75E-08	7.46E-08	1.15E-06
847	490486.72	3860685.12	3.86E-03	3.94E-03	3.94E-03	1.34E-06	4.04E-06	2.34E-06	2.38E-06	2.16E-06	9.86E-07	9.85E-07	0.00E+00	0.00E+00	4.30E-07	8.09E-08	5.13E-07	7.92E-08	7.63E-08	1.18E-06
848	490536.72	3860685.12	3.96E-03	4.04E-03	4.04E-03	1.37E-06	4.14E-06	2.40E-06	2.45E-06	2.22E-06	1.01E-06	1.01E-06	0.00E+00	0.00E+00	4.41E-07	8.31E-08	5.27E-07	8.13E-08	7.83E-08	1.21E-06
849	490586.72	3860685.12	4.07E-03	4.15E-03	4.15E-03	1.41E-06	4.25E-06	2.46E-06	2.51E-06	2.28E-06	1.04E-06	1.04E-06	0.00E+00	0.00E+00	4.53E-07	8.53E-08	5.41E-07	8.34E-08	8.04E-08	1.24E-06
850	490636.72	3860685.12	4.18E-03	4.27E-03	4.26E-03	1.45E-06	4.37E-06	2.53E-06	2.58E-06	2.34E-06	1.07E-06	1.07E-06	0.00E+00	0.00E+00	4.66E-07	8.77E-08	5.56E-07	8.58E-08	8.26E-08	1.28E-06
851	490686.72	3860685.12	4.31E-03	4.39E-03	4.39E-03	1.49E-06	4.50E-06	2.61E-06	2.66E-06	2.41E-06	1.10E-06	1.10E-06	0.00E+00	0.00E+00	4.79E-07	9.03E-08	5.73E-07	8.83E-08	8.51E-08	1.32E-06
852	490736.72	3860685.12	4.42E-03	4.51E-03	4.50E-03	1.53E-06	4.61E-06	2.67E-06	2.73E-06	2.47E-06	1.13E-06	1.13E-06	0.00E+00	0.00E+00	4.91E-07	9.25E-08	5.87E-07	9.05E-08	8.72E-08	1.35E-06
853	490786.72	3860685.12	4.56E-03	4.65E-03	4.65E-03	1.58E-06	4.76E-06	2.76E-06	2.81E-06	2.55E-06	1.16E-06	1.16E-06	0.00E+00	0.00E+00	5.07E-07	9.55E-08	6.06E-07	9.35E-08	9.00E-08	1.39E-06
854	490136.72	3860735.12	3.12E-03	3.19E-03	3.18E-03	1.08E-06	3.26E-06	1.89E-06	1.93E-06	1.75E-06	7.97E-07	7.96E-07	0.00E+00	0.00E+00	3.47E-07	6.54E-08	4.15E-07	6.40E-08	6.17E-08	9.54E-07
855	490186.72	3860735.12	3.18E-03	3.24E-03	3.24E-03	1.10E-06	3.32E-06	1.92E-06	1.96E-06	1.78E-06	8.12E-07	8.11E-07	0.00E+00	0.00E+00	3.54E-07	6.66E-08	4.23E-07	6.52E-08	6.28E-08	9.71E-07
856	490236.72	3860735.12	3.25E-03	3.31E-03	3.31E-03	1.12E-06	3.39E-06	1.96E-06	2.00E-06	1.82E-06	8.29E-07	8.28E-07	0.00E+00	0.00E+00	3.61E-07	6.80E-08	4.32E-07	6.66E-08	6.41E-08	9.92E-07
857	490286.72	3860735.12	3.32E-03	3.39E-03	3.38E-03	1.15E-06	3.47E-06	2.01E-06	2.05E-06	1.86E-06	8.48E-07	8.47E-07	0.00E+00	0.00E+00	3.70E-07	6.96E-08	4.42E-07	6.81E-08	6.56E-08	1.01E-06
858	490336.72	3860735.12	3.39E-03	3.46E-03	3.46E-03	1.17E-06	3.55E-06	2.05E-06	2.10E-06	1.90E-06	8.67E-07	8.66E-07	0.00E+00	0.00E+00	3.78E-07	7.11E-08	4.51E-07	6.96E-08	6.70E-08	1.04E-06
859	490386.72	3860735.12	3.48E-03	3.55E-03	3.55E-03	1.20E-06	3.64E-06	2.11E-06	2.15E-06	1.95E-06	8.89E-07	8.88E-07	0.00E+00	0.00E+00	3.87E-07	7.29E-08	4.63E-07	7.14E-08	6.87E-08	1.06E-06
860	490436.72	3860735.12	3.59E-03	3.66E-03	3.66E-03	1.24E-06	3.75E-06	2.17E-06	2.21E-06	2.01E-06	9.16E-07	9.15E-07	0.00E+00	0.00E+00	3.99E-07	7.52E-08	4.77E-07	7.35E-08	7.08E-08	1.10E-06
861	490486.72	3860735.12	3.65E-03	3.73E-03	3.72E-03	1.26E-06	3.82E-06	2.21E-06	2.26E-06	2.05E-06	9.33E-07	9.32E-07	0.00E+00	0.00E+00	4.07E-07	7.66E-08	4.86E-07	7.49E-08	7.22E-08	1.12E-06
862	490536.72	3860735.12	3.71E-03	3.78E-03	3.78E-03	1.28E-06	3.88E-06	2.24E-06	2.29E-06	2.08E-06	9.47E-07	9.46E-07	0.00E+00	0.00E+00	4.13E-07	7.77E-08	4.93E-07	7.60E-08	7.32E-08	1.13E-06
863	490586.72	3860735.12	3.79E-03	3.87E-03	3.87E-03	1.31E-06	3.96E-06	2.29E-06	2.34E-06	2.12E-06	9.69E-07	9.67E-07	0.00E+00	0.00E+00	4.22E-07	7.95E-08	5.04E-07	7.78E-08	7.49E-08	1.16E-06
864	490636.72	3860735.12	3.89E-03	3.97E-03	3.96E-03	1.35E-06	4.06E-06	2.35E-06	2.40E-06	2.18E-06	9.93E-07	9.92E-07	0.00E+00	0.00E+00	4.33E-07	8.15E-08	5.17E-07	7.97E-08	7.68E-08	1.19E-06
865	490686.72	3860735.12	4.01E-03	4.09E-03	4.08E-03	1.39E-06	4.19E-06	2.42E-06	2.47E-06	2.24E-06	1.02E-06	1.02E-06	0.00E+00	0.00E+00	4.46E-07	8.39E-08	5.33E-07	8.21E-08	7.91E-08	1.22E-06
866	490736.72	3860735.12	4.13E-03	4.21E-03	4.21E-03	1.43E-06	4.31E-06	2.50E-06	2.55E-06	2.31E-06	1.05E-06	1.05E-06	0.00E+00	0.00E+00	4.59E-07	8.65E-08	5.49E-07	8.46E-08	8.15E-08	1.26E-06
867	490136.72	3860785.12	2.94E-03	3.00E-03	2.99E-03	1.02E-06	3.07E-06	1.78E-06	1.81E-06	1.64E-06	7.50E-07	7.50E-07	0.00E+00	0.00E+00	3.27E-07	6.16E-08	3.91E-07	6.03E-08	5.80E-08	8.98E-07
868	490186.72	3860785.12	3.00E-03	3.06E-03	3.06E-03	1.04E-06	3.14E-06	1.82E-06	1.85E-06	1.68E-06	7.66E-07	7.65E-07	0.00E+00	0.00E+00	3.34E-07	6.29E-08	3.99E-07	6.15E-08	5.93E-08	9.17E-07
869	490236.72	3860785.12	3.06E-03	3.12E-03	3.12E-03	1.06E-06	3.20E-06	1.85E-06	1.89E-06	1.71E-06	7.82E-07	7.81E-07	0.00E+00	0.00E+00	3.41E-07	6.42E-08	4.07E-07	6.28E-08	6.05E-08	9.35E-07
870	490286.72	3860785.12	3.13E-03	3.19E-03	3.19E-03	1.08E-06	3.27E-06	1.89E-06	1.93E-06	1.75E-06	7.98E-07	7.97E-07	0.00E+00	0.00E+00	3.48E-07	6.55E-08	4.16E-07	6.41E-08	6.18E-08	9.55E-07
871	490336.72	3860785.12	3.19E-03	3.26E-03	3.25E-03	1.10E-06	3.34E-06	1.93E-06	1.97E-06	1.79E-06	8.15E-07	8.14E-07	0.00E+00	0.00E+00	3.55E-07	6.69E-08	4.24E-07	6.55E-08	6.30E-08	9.75E-07
872	490386.72	3860785.12	3.28E-03	3.34E-03	3.34E-03	1.13E-06	3.43E-06	1.98E-06	2.02E-06	1.83E-06	8.37E-07	8.36E-07	0.00E+00	0.00E+00	3.65E-07	6.87E-08	4.36E-07	6.72E-08	6.47E-08	1.00E-06
873	490436.72	3860785.12	3.35E-03	3.42E-03	3.41E-03	1.16E-06	3.50E-06	2.03E-06	2.07E-06	1.87E-06	8.55E-07	8.54E-07	0.00E+00	0.00E+00	3.73E-07	7.02E-08	4.45E-07	6.87E-08	6.61E-08	1.02E-06
874	490486.72	3860785.12	3.44E-03	3.51E-03	3.50E-03	1.19E-06	3.59E-06	2.08E-06	2.12E-06	1.92E-06	8.78E-07	8.77E-07	0.00E+00	0.00E+00	3.83E-07	7.21E-08	4.57E-07	7.05E-08	6.79E-08	1.05E-06
875	490536.72	3860785.12	3.50E-03	3.57E-03	3.57E-03	1.21E-06	3.66E-06	2.12E-06	2.16E-06	1.96E-06	8.94E-07	8.93E-07	0.00E+00	0.00E+00	3.90E-07	7.34E-08	4.66E-07	7.18E-08	6.92E-08	1.07E-06
876	490586.72	3860785.12	3.55E-03	3.62E-03	3.62E-03	1.23E-06	3.71E-06	2.15E-06	2.19E-06	1.99E-06	9.07E-07	9.05E-07	0.00E+00	0.00E+00	3.95E-07	7.44E-08	4.72E-07	7.28E-08	7.01E-08	1.08E-06
877	490636.72	3860785.12	3.63E-03	3.70E-03	3.70E-03	1.26E-06	3.79E-06	2.19E-06	2.24E-06	2.03E-06	9.26E-07	9.25E-07	0.00E+00	0.00E+00	4.04E-07	7.60E-08	4.82E-07	7.44E-08	7.16E-08	1.11E-06
878	490686.72	3860785.12	3.72E-03	3.80E-03	3.79E-03	1.29E-06	3.89E-06	2.25E-06	2.30E-06	2.08E-06	9.50E-07	9.49E-07	0.00E+00	0.00E+00	4.14E-07	7.80E-08	4.95E-07	7.63E-08	7.35E-08	1.14E-06
879	490736.72	3860785.12	3.83E-03	3.91E-03	3.90E-03	1.33E-06	4.00E-06	2.32E-06	2.36E-06	2.14E-06	9.78E-07	9.77E-07	0.00E+00	0.00E+00	4.26E-07	8.03E-08	5.09E-07	7.85E-08	7.57E-08	1.17E-06
880	490086.72	3860835.12	2.73E-03	2.79E-03	2.78E-03	9.46E-07	2.86E-06	1.65E-06	1.69E-06	1.53E-06	6.98E-07	6.97E-07	0.00E+00	0.00E+00	3.04E-07	5.73E-08	3.63E-07	5.60E-08	5.40E-08	8.35E-07
881	490136.72	3860835.12	2.79E-03	2.85E-03	2.85E-03	9.67E-07	2.92E-06	1.69E-06	1.73E-06	1.56E-06	7.14E-07	7.13E-07	0.00E+00	0.00E+00	3.11E-07	5.86E-08	3.72E-07	5.73E-08	5.52E-08	8.54E-07
882	490186.72	3860835.12	2.84E-03	2.90E-03	2.90E-03	9.84E-07	2.97E-06	1.72E-06	1.76E-06	1.59E-06	7.26E-07	7.25E-07	0.00E+00	0.00E+00	3.16E-07	5.96E-08	3.78E-07	5.83E-08	5.61E-08	8.68E-07
883	490236.72	3860835.12	2.90E-03	2.95E-03	2.95E-03	1.00E-06	3.03E-06	1.75E-06	1.79E-06	1.62E-06	7.39E-07	7.39E-07	0.00E+00	0.00E+00	3.22E-07	6.07E-08	3.85E-07	5.94E-08	5.72E-08	8.85E-07
884	490286.72	3860835.12	2.96E-03	3.02E-03	3.01E-03	1.02E-06	3.09E-06	1.79E-06	1.83E-06	1.65E-06	7.55E-07	7.54E-07	0.00E+00	0.00E+00	3.29E-07	6.20E-08	3.93E-07	6.06E-08	5.84E-08	9.03E-07
885	490336.72	3860835.12	3.01E-03	3.07E-03	3.07E-03	1.04E-06	3.15E-06	1.82E-06	1.86E-06	1.69E-06	7.69E-07	7.68E-07	0.00E+00	0.00E+00	3.35E-07	6.31E-08	4.01E-07	6.18E-08	5.95E-08	9.20E-07
886	490386.72	3860835.12	3.07E-03	3.14E-03	3.13E-03	1.06E-06	3.21E-06	1.86E-06	1.90E-06	1.72E-06	7.85E-07	7.84E-07	0.00E+00	0.00E+00	3.42E-07	6.44E-08	4.09E-07	6.30E-08	6.07E-08	9.39E-07
887	490436.72	3860835.12	3.15E-03	3.21E-03	3.21E-03	1.09E-06	3.29E-06	1.90E-06	1.94E-06	1.76E-06	8.04E-07	8.03E-07	0.00E+00	0.00E+00	3.50E-07	6.60E-08	4.19E-07	6.45E-08	6.22E-08	9.62E-07
888	490486.72	3860835.12	3.22E-03	3.29E-03	3.28E-03	1.11E-06	3.37E-06	1.95E-06	1.99E-06	1.80E-06	8.22E-07	8.21E-07	0.00E+00	0.00E+00	3.58E-07	6.75E-08	4.28E-07	6.60E-08	6.36E-08	9.84E-07
889	490536.72	3860835.12	3.29E-03	3.35E-03	3.35E-03	1.14E-06	3.43E-06	1.99E-06	2.03E-06	1.84E-06	8.39E-07	8.38E-07	0.00E+00	0.00E+00	3.66E-07	6.89E-08	4.37E-07	6.74E-08	6.49E-08	1.00E-06

890	490586.72	3860835.12	3.34E-03	3.41E-03	3.41E-03	1.16E-06	3.49E-06	2.02E-06	2.06E-06	1.87E-06	8.54E-07	8.53E-07	0.00E+00	0.00E+00	3.72E-07	7.01E-08	4.45E-07	6.86E-08	6.60E-08	1.02E-06
891	490636.72	3860835.12	3.40E-03	3.47E-03	3.47E-03	1.18E-06	3.56E-06	2.06E-06	2.10E-06	1.90E-06	8.69E-07	8.68E-07	0.00E+00	0.00E+00	3.79E-07	7.13E-08	4.53E-07	6.98E-08	6.72E-08	1.04E-06
892	490686.72	3860835.12	3.48E-03	3.55E-03	3.55E-03	1.20E-06	3.64E-06	2.11E-06	2.15E-06	1.95E-06	8.89E-07	8.88E-07	0.00E+00	0.00E+00	3.87E-07	7.29E-08	4.63E-07	7.14E-08	6.87E-08	1.06E-06
893	490736.72	3860835.12	3.57E-03	3.65E-03	3.64E-03	1.24E-06	3.74E-06	2.16E-06	2.21E-06	2.00E-06	9.13E-07	9.12E-07	0.00E+00	0.00E+00	3.98E-07	7.49E-08	4.75E-07	7.33E-08	7.06E-08	1.09E-06
894	490086.72	3860885.12	2.61E-03	2.66E-03	2.66E-03	9.02E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.66E-07	6.65E-07	0.00E+00	0.00E+00	2.90E-07	5.46E-08	3.47E-07	5.34E-08	5.15E-08	7.96E-07
895	490136.72	3860885.12	2.65E-03	2.71E-03	2.71E-03	9.19E-07	2.77E-06	1.61E-06	1.64E-06	1.49E-06	6.78E-07	6.77E-07	0.00E+00	0.00E+00	2.95E-07	5.56E-08	3.53E-07	5.44E-08	5.24E-08	8.11E-07
896	490186.72	3860885.12	2.70E-03	2.76E-03	2.75E-03	9.35E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.90E-07	6.89E-07	0.00E+00	0.00E+00	3.01E-07	5.66E-08	3.59E-07	5.54E-08	5.33E-08	8.25E-07
897	490236.72	3860885.12	2.75E-03	2.81E-03	2.80E-03	9.52E-07	2.87E-06	1.66E-06	1.70E-06	1.54E-06	7.02E-07	7.02E-07	0.00E+00	0.00E+00	3.06E-07	5.76E-08	3.66E-07	5.64E-08	5.43E-08	8.40E-07
898	490286.72	3860885.12	2.80E-03	2.86E-03	2.85E-03	9.69E-07	2.93E-06	1.69E-06	1.73E-06	1.57E-06	7.15E-07	7.14E-07	0.00E+00	0.00E+00	3.12E-07	5.87E-08	3.72E-07	5.74E-08	5.53E-08	8.56E-07
899	490336.72	3860885.12	2.85E-03	2.91E-03	2.90E-03	9.86E-07	2.98E-06	1.72E-06	1.76E-06	1.59E-06	7.28E-07	7.27E-07	0.00E+00	0.00E+00	3.17E-07	5.97E-08	3.79E-07	5.84E-08	5.63E-08	8.70E-07
900	490386.72	3860885.12	2.91E-03	2.97E-03	2.96E-03	1.01E-06	3.04E-06	1.76E-06	1.80E-06	1.63E-06	7.43E-07	7.42E-07	0.00E+00	0.00E+00	3.24E-07	6.09E-08	3.87E-07	5.96E-08	5.74E-08	8.88E-07
901	490436.72	3860885.12	2.97E-03	3.03E-03	3.03E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.66E-06	7.59E-07	7.58E-07	0.00E+00	0.00E+00	3.31E-07	6.23E-08	3.95E-07	6.10E-08	5.87E-08	9.08E-07
902	490486.72	3860885.12	3.03E-03	3.09E-03	3.09E-03	1.05E-06	3.17E-06	1.83E-06	1.87E-06	1.70E-06	7.74E-07	7.74E-07	0.00E+00	0.00E+00	3.38E-07	6.36E-08	4.03E-07	6.22E-08	5.99E-08	9.27E-07
903	490536.72	3860885.12	3.09E-03	3.15E-03	3.15E-03	1.07E-06	3.23E-06	1.87E-06	1.91E-06	1.73E-06	7.89E-07	7.88E-07	0.00E+00	0.00E+00	3.44E-07	6.48E-08	4.11E-07	6.34E-08	6.10E-08	9.44E-07
904	490586.72	3860885.12	3.14E-03	3.21E-03	3.21E-03	1.09E-06	3.29E-06	1.90E-06	1.94E-06	1.76E-06	8.03E-07	8.02E-07	0.00E+00	0.00E+00	3.50E-07	6.59E-08	4.18E-07	6.45E-08	6.21E-08	9.61E-07
905	490636.72	3860885.12	3.20E-03	3.26E-03	3.26E-03	1.11E-06	3.34E-06	1.93E-06	1.97E-06	1.79E-06	8.17E-07	8.16E-07	0.00E+00	0.00E+00	3.56E-07	6.70E-08	4.25E-07	6.56E-08	6.32E-08	9.77E-07
906	490686.72	3860885.12	3.26E-03	3.33E-03	3.32E-03	1.13E-06	3.41E-06	1.97E-06	2.01E-06	1.82E-06	8.32E-07	8.31E-07	0.00E+00	0.00E+00	3.63E-07	6.83E-08	4.33E-07	6.68E-08	6.44E-08	9.96E-07
907	490736.72	3860885.12	3.33E-03	3.39E-03	3.39E-03	1.15E-06	3.48E-06	2.01E-06	2.05E-06	1.86E-06	8.50E-07	8.49E-07	0.00E+00	0.00E+00	3.70E-07	6.97E-08	4.42E-07	6.82E-08	6.57E-08	1.02E-06
908	490086.72	3860935.12	2.48E-03	2.53E-03	2.53E-03	8.58E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.33E-07	6.32E-07	0.00E+00	0.00E+00	2.76E-07	5.20E-08	3.30E-07	5.08E-08	4.90E-08	7.57E-07
909	490136.72	3860935.12	2.51E-03	2.57E-03	2.56E-03	8.71E-07	2.63E-06	1.52E-06	1.55E-06	1.41E-06	6.42E-07	6.42E-07	0.00E+00	0.00E+00	2.80E-07	5.27E-08	3.34E-07	5.16E-08	4.97E-08	7.68E-07
910	490186.72	3860935.12	2.56E-03	2.62E-03	2.61E-03	8.87E-07	2.68E-06	1.55E-06	1.58E-06	1.43E-06	6.55E-07	6.54E-07	0.00E+00	0.00E+00	2.85E-07	5.37E-08	3.41E-07	5.26E-08	5.06E-08	7.83E-07
911	490236.72	3860935.12	2.61E-03	2.66E-03	2.66E-03	9.04E-07	2.73E-06	1.58E-06	1.61E-06	1.46E-06	6.67E-07	6.66E-07	0.00E+00	0.00E+00	2.91E-07	5.47E-08	3.47E-07	5.35E-08	5.16E-08	7.98E-07
912	490286.72	3860935.12	2.66E-03	2.71E-03	2.71E-03	9.21E-07	2.78E-06	1.61E-06	1.64E-06	1.49E-06	6.79E-07	6.78E-07	0.00E+00	0.00E+00	2.96E-07	5.57E-08	3.54E-07	5.45E-08	5.25E-08	8.13E-07
913	490336.72	3860935.12	2.70E-03	2.76E-03	2.75E-03	9.35E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.90E-07	6.89E-07	0.00E+00	0.00E+00	3.01E-07	5.66E-08	3.59E-07	5.54E-08	5.34E-08	8.25E-07
914	490386.72	3860935.12	2.76E-03	2.81E-03	2.81E-03	9.54E-07	2.88E-06	1.67E-06	1.70E-06	1.54E-06	7.04E-07	7.03E-07	0.00E+00	0.00E+00	3.07E-07	5.78E-08	3.67E-07	5.65E-08	5.44E-08	8.42E-07
915	490436.72	3860935.12	2.81E-03	2.87E-03	2.87E-03	9.74E-07	2.94E-06	1.70E-06	1.74E-06	1.57E-06	7.18E-07	7.17E-07	0.00E+00	0.00E+00	3.13E-07	5.89E-08	3.74E-07	5.77E-08	5.56E-08	8.59E-07
916	490486.72	3860935.12	2.86E-03	2.92E-03	2.92E-03	9.91E-07	2.99E-06	1.73E-06	1.77E-06	1.60E-06	7.31E-07	7.30E-07	0.00E+00	0.00E+00	3.19E-07	6.00E-08	3.81E-07	5.87E-08	5.65E-08	8.75E-07
917	490536.72	3860935.12	2.92E-03	2.98E-03	2.97E-03	1.01E-06	3.05E-06	1.76E-06	1.80E-06	1.63E-06	7.45E-07	7.44E-07	0.00E+00	0.00E+00	3.25E-07	6.11E-08	3.88E-07	5.98E-08	5.76E-08	8.91E-07
918	490586.72	3860935.12	2.96E-03	3.02E-03	3.02E-03	1.03E-06	3.10E-06	1.79E-06	1.83E-06	1.66E-06	7.57E-07	7.56E-07	0.00E+00	0.00E+00	3.30E-07	6.21E-08	3.94E-07	6.08E-08	5.85E-08	9.05E-07
919	490636.72	3860935.12	3.01E-03	3.07E-03	3.07E-03	1.04E-06	3.15E-06	1.82E-06	1.86E-06	1.68E-06	7.69E-07	7.68E-07	0.00E+00	0.00E+00	3.35E-07	6.31E-08	4.00E-07	6.17E-08	5.94E-08	9.20E-07
920	490686.72	3860935.12	3.06E-03	3.12E-03	3.12E-03	1.06E-06	3.20E-06	1.85E-06	1.89E-06	1.71E-06	7.82E-07	7.81E-07	0.00E+00	0.00E+00	3.41E-07	6.42E-08	4.07E-07	6.28E-08	6.05E-08	9.35E-07
921	490736.72	3860935.12	3.11E-03	3.18E-03	3.17E-03	1.08E-06	3.26E-06	1.88E-06	1.92E-06	1.74E-06	7.95E-07	7.94E-07	0.00E+00	0.00E+00	3.47E-07	6.53E-08	4.14E-07	6.39E-08	6.15E-08	9.51E-07
922	490786.72	3860935.12	3.17E-03	3.24E-03	3.23E-03	1.10E-06	3.31E-06	1.92E-06	1.96E-06	1.77E-06	8.10E-07	8.09E-07	0.00E+00	0.00E+00	3.53E-07	6.65E-08	4.22E-07	6.50E-08	6.26E-08	9.69E-07
923	490836.72	3860935.12	3.24E-03	3.31E-03	3.30E-03	1.12E-06	3.39E-06	1.96E-06	2.00E-06	1.81E-06	8.28E-07	8.27E-07	0.00E+00	0.00E+00	3.61E-07	6.79E-08	4.31E-07	6.65E-08	6.40E-08	9.90E-07
924	490086.72	3860985.12	2.37E-03	2.42E-03	2.41E-03	8.20E-07	2.47E-06	1.43E-06	1.46E-06	1.33E-06	6.05E-07	6.04E-07	0.00E+00	0.00E+00	2.64E-07	4.96E-08	3.15E-07	4.86E-08	4.68E-08	7.23E-07
925	490136.72	3860985.12	2.41E-03	2.45E-03	2.45E-03	8.33E-07	2.51E-06	1.46E-06	1.48E-06	1.35E-06	6.14E-07	6.13E-07	0.00E+00	0.00E+00	2.68E-07	5.04E-08	3.20E-07	4.93E-08	4.75E-08	7.35E-07
926	490186.72	3860985.12	2.45E-03	2.50E-03	2.50E-03	8.48E-07	2.56E-06	1.48E-06	1.51E-06	1.37E-06	6.25E-07	6.25E-07	0.00E+00	0.00E+00	2.73E-07	5.13E-08	3.26E-07	5.02E-08	4.84E-08	7.48E-07
927	490236.72	3860985.12	2.48E-03	2.53E-03	2.53E-03	8.60E-07	2.60E-06	1.50E-06	1.53E-06	1.39E-06	6.34E-07	6.33E-07	0.00E+00	0.00E+00	2.76E-07	5.20E-08	3.30E-07	5.09E-08	4.91E-08	7.59E-07
928	490286.72	3860985.12	2.52E-03	2.57E-03	2.57E-03	8.73E-07	2.64E-06	1.53E-06	1.56E-06	1.41E-06	6.44E-07	6.44E-07	0.00E+00	0.00E+00	2.81E-07	5.29E-08	3.36E-07	5.17E-08	4.98E-08	7.71E-07
929	490336.72	3860985.12	2.57E-03	2.62E-03	2.61E-03	8.88E-07	2.68E-06	1.55E-06	1.58E-06	1.44E-06	6.55E-07	6.54E-07	0.00E+00	0.00E+00	2.86E-07	5.38E-08	3.41E-07	5.26E-08	5.07E-08	7.84E-07
930	490386.72	3860985.12	2.61E-03	2.66E-03	2.66E-03	9.04E-07	2.73E-06	1.58E-06	1.61E-06	1.46E-06	6.67E-07	6.66E-07	0.00E+00	0.00E+00	2.91E-07	5.47E-08	3.47E-07	5.36E-08	5.16E-08	7.98E-07
931	490436.72	3860985.12	2.67E-03	2.72E-03	2.72E-03	9.23E-07	2.79E-06	1.61E-06	1.65E-06	1.49E-06	6.81E-07	6.80E-07	0.00E+00	0.00E+00	2.97E-07	5.59E-08	3.55E-07	5.47E-08	5.27E-08	8.14E-07
932	490486.72	3860985.12	2.71E-03	2.76E-03	2.76E-03	9.38E-07	2.83E-06	1.64E-06	1.67E-06	1.52E-06	6.92E-07	6.91E-07	0.00E+00	0.00E+00	3.02E-07	5.68E-08	3.60E-07	5.56E-08	5.35E-08	8.28E-07
933	490536.72	3860985.12	2.75E-03	2.81E-03	2.80E-03	9.52E-07	2.87E-06	1.66E-06	1.70E-06	1.54E-06	7.02E-07	7.01E-07	0.00E+00	0.00E+00	3.06E-07	5.76E-08	3.66E-07	5.64E-08	5.43E-08	8.40E-07
934	490586.72	3860985.12	2.79E-03	2.85E-03	2.84E-03	9.66E-07	2.92E-06	1.69E-06	1.72E-06	1.56E-06	7.13E-07	7.12E-07	0.00E+00	0.00E+00	3.11E-07	5.85E-08	3.71E-07	5.72E-08	5.51E-08	8.53E-07
935	490636.72	3860985.12	2.84E-03	2.90E-03	2.89E-03	9.82E-07	2.97E-06	1.72E-06	1.75E-06	1.59E-06	7.25E-07	7.24E-07	0.00E+00	0.00E+00	3.16E-07	5.95E-08	3.77E-07	5.82E-08	5.61E-08	8.67E-07
936	490686.72	3860985.12	2.88E-03	2.94E-03	2.93E-03	9.96E-07	3.01E-06	1.74E-06	1.78E-06	1.61E-06	7.35E-07	7.34E-07	0.00E+00	0.00E+00	3.20E-07	6.03E-08	3.83E-07	5.90E-08	5.69E-08	8.79E-07
937	490736.72	3860985.12	2.92E-03	2.98E-03	2.97E-03	1.01E-06	3.05E-06	1.77E-06	1.80E-06	1.63E-06	7.45E-07	7.44E-07	0.00E+00	0.00E+00	3.25E-07	6.12E-08	3.88E-07	5.99E-08	5.76E-08	8.92E-07
938	490786.72	3860985.12	2.97E-03	3.03E-03	3.02E-03	1.03E-06	3.10E-06	1.79E-06	1.83E-06	1.66E-06	7.57E-07	7.57E-07	0.00E+00	0.00E+00	3.30E-07	6.22E-08	3.94E-07	6.08E-08	5.86E-08	9.06E-07
939	490836.72	3860985.12	3.02E-03	3.08E-03	3.08E-03	1.05E-06	3.16E-06	1.83E-06	1.86E-06	1.69E-06	7.71E-07	7.71E-07	0.00E+00	0.00E+00	3.36E-07	6.33E-08	4.02E-07	6.19E-08	5.97E-08	9.23E-07
940	490086.72	3861035.12	2.26E-03	2.31E-03	2.31E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.78E-07	5.77E-07	0.00E+00	0.00E+00	2.52E-07	4.74E-08	3.01E-07	4.64E-08	4.47E-08	6.91E-07
941	490136.72	3861035.12	2.30E-03	2.34E-03	2.34E-03	7.95E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.87E-07	5.86E-07	0.00E+00	0.00E+00	2.56E-07	4.81E-08	3.05E-07	4.71E-08	4.54E-08	7.02E-07
942	490186.72	3861035.12	2.33E-03	2.38E-03	2.38E-03	8.07E-07	2.44E-06	1.41E-06	1.44E-06	1.30E-06	5.95E-07	5.95E-07	0.00E+00	0.00E+00	2.59E-07	4.89E-08	3.10E-07	4.78E-08	4.60E-08	7.12E-07
943	490236.72	3861035.12	2.37E-03	2.42E-03	2.41E-03	8.20E-07	2.48E-06	1.43E-06	1.46E-06	1.33E-06	6.05E-07	6.04E-07	0.00E+00	0.00E+00	2.64E-07	4.96E-08	3.15E-07	4.86E-08	4.68E-08	7.24E-07
944	490286.72	3861035.12	2.40E-03	2.45E-03	2.45E-03	8.31E-07	2.51E-06	1.45E-06	1.48E-06	1.34E-06	6.13E-07	6.12E-07	0.00E+00	0.00E+00	2.67E-07	5.03E-08	3.19E-07	4.92E-08	4.74E-08	7.33E-07
945	490336.72	3861035.12	2.43E-03	2.48E-03	2.48E-03	8.43E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.22E-07	6.21E-07	0.00E+00	0.00E+00	2.71E-07	5.10E-08	3.24E-07	4.99E-08	4.81E-08	7.44E-07

946	490386.72	3861035.12	2.48E-03	2.53E-03	2.53E-03	8.59E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.34E-07	6.33E-07	0.00E+00	0.00E+00	2.76E-07	5.20E-08	3.30E-07	5.09E-08	4.90E-08	7.58E-07
947	490436.72	3861035.12	2.53E-03	2.58E-03	2.58E-03	8.75E-07	2.64E-06	1.53E-06	1.56E-06	1.42E-06	6.46E-07	6.45E-07	0.00E+00	0.00E+00	2.81E-07	5.30E-08	3.36E-07	5.18E-08	4.99E-08	7.72E-07
948	490486.72	3861035.12	2.57E-03	2.62E-03	2.62E-03	8.89E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.56E-07	6.55E-07	0.00E+00	0.00E+00	2.86E-07	5.38E-08	3.41E-07	5.27E-08	5.07E-08	7.84E-07
949	490536.72	3861035.12	2.60E-03	2.66E-03	2.65E-03	9.01E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.65E-07	6.64E-07	0.00E+00	0.00E+00	2.90E-07	5.46E-08	3.46E-07	5.34E-08	5.14E-08	7.95E-07
950	490586.72	3861035.12	2.64E-03	2.69E-03	2.69E-03	9.13E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.74E-07	6.73E-07	0.00E+00	0.00E+00	2.94E-07	5.53E-08	3.51E-07	5.41E-08	5.21E-08	8.06E-07
951	490636.72	3861035.12	2.67E-03	2.73E-03	2.72E-03	9.25E-07	2.79E-06	1.62E-06	1.65E-06	1.50E-06	6.82E-07	6.81E-07	0.00E+00	0.00E+00	2.97E-07	5.60E-08	3.55E-07	5.48E-08	5.28E-08	8.16E-07
952	490686.72	3861035.12	2.71E-03	2.76E-03	2.76E-03	9.36E-07	2.83E-06	1.64E-06	1.67E-06	1.51E-06	6.91E-07	6.90E-07	0.00E+00	0.00E+00	3.01E-07	5.67E-08	3.60E-07	5.55E-08	5.34E-08	8.27E-07
953	490736.72	3861035.12	2.74E-03	2.80E-03	2.79E-03	9.49E-07	2.86E-06	1.66E-06	1.69E-06	1.53E-06	7.00E-07	6.99E-07	0.00E+00	0.00E+00	3.05E-07	5.74E-08	3.64E-07	5.62E-08	5.41E-08	8.37E-07
954	490786.72	3861035.12	2.78E-03	2.84E-03	2.83E-03	9.62E-07	2.91E-06	1.68E-06	1.72E-06	1.56E-06	7.10E-07	7.09E-07	0.00E+00	0.00E+00	3.09E-07	5.83E-08	3.70E-07	5.70E-08	5.49E-08	8.49E-07
955	490836.72	3861035.12	2.82E-03	2.88E-03	2.88E-03	9.77E-07	2.95E-06	1.71E-06	1.74E-06	1.58E-06	7.21E-07	7.20E-07	0.00E+00	0.00E+00	3.14E-07	5.92E-08	3.75E-07	5.79E-08	5.58E-08	8.62E-07
956	490086.72	3861085.12	2.16E-03	2.21E-03	2.20E-03	7.49E-07	2.26E-06	1.31E-06	1.34E-06	1.21E-06	5.53E-07	5.52E-07	0.00E+00	0.00E+00	2.41E-07	4.53E-08	2.88E-07	4.44E-08	4.27E-08	6.61E-07
957	490136.72	3861085.12	2.20E-03	2.24E-03	2.24E-03	7.62E-07	2.30E-06	1.33E-06	1.36E-06	1.23E-06	5.62E-07	5.61E-07	0.00E+00	0.00E+00	2.45E-07	4.61E-08	2.93E-07	4.51E-08	4.35E-08	6.72E-07
958	490186.72	3861085.12	2.24E-03	2.28E-03	2.28E-03	7.75E-07	2.34E-06	1.35E-06	1.38E-06	1.25E-06	5.72E-07	5.71E-07	0.00E+00	0.00E+00	2.49E-07	4.69E-08	2.98E-07	4.59E-08	4.42E-08	6.84E-07
959	490236.72	3861085.12	2.26E-03	2.31E-03	2.31E-03	7.84E-07	2.37E-06	1.37E-06	1.40E-06	1.27E-06	5.78E-07	5.78E-07	0.00E+00	0.00E+00	2.52E-07	4.75E-08	3.01E-07	4.64E-08	4.47E-08	6.92E-07
960	490286.72	3861085.12	2.29E-03	2.34E-03	2.34E-03	7.93E-07	2.40E-06	1.39E-06	1.42E-06	1.28E-06	5.85E-07	5.85E-07	0.00E+00	0.00E+00	2.55E-07	4.80E-08	3.05E-07	4.70E-08	4.53E-08	7.00E-07
961	490336.72	3861085.12	2.32E-03	2.37E-03	2.37E-03	8.03E-07	2.43E-06	1.40E-06	1.43E-06	1.30E-06	5.93E-07	5.92E-07	0.00E+00	0.00E+00	2.58E-07	4.86E-08	3.09E-07	4.76E-08	4.58E-08	7.09E-07
962	490386.72	3861085.12	2.36E-03	2.41E-03	2.41E-03	8.17E-07	2.47E-06	1.43E-06	1.46E-06	1.32E-06	6.03E-07	6.02E-07	0.00E+00	0.00E+00	2.63E-07	4.95E-08	3.14E-07	4.84E-08	4.66E-08	7.21E-07
963	490436.72	3861085.12	2.39E-03	2.44E-03	2.44E-03	8.29E-07	2.50E-06	1.45E-06	1.48E-06	1.34E-06	6.12E-07	6.11E-07	0.00E+00	0.00E+00	2.67E-07	5.02E-08	3.18E-07	4.91E-08	4.73E-08	7.32E-07
964	490486.72	3861085.12	2.43E-03	2.48E-03	2.48E-03	8.41E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.20E-07	6.20E-07	0.00E+00	0.00E+00	2.70E-07	5.09E-08	3.23E-07	4.98E-08	4.80E-08	7.42E-07
965	490536.72	3861085.12	2.47E-03	2.52E-03	2.51E-03	8.54E-07	2.58E-06	1.49E-06	1.52E-06	1.38E-06	6.30E-07	6.29E-07	0.00E+00	0.00E+00	2.75E-07	5.17E-08	3.28E-07	5.06E-08	4.87E-08	7.54E-07
966	490586.72	3861085.12	2.50E-03	2.55E-03	2.54E-03	8.64E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.37E-07	6.36E-07	0.00E+00	0.00E+00	2.78E-07	5.23E-08	3.32E-07	5.12E-08	4.93E-08	7.62E-07
967	490636.72	3861085.12	2.52E-03	2.57E-03	2.57E-03	8.72E-07	2.63E-06	1.52E-06	1.55E-06	1.41E-06	6.43E-07	6.42E-07	0.00E+00	0.00E+00	2.80E-07	5.28E-08	3.35E-07	5.16E-08	4.97E-08	7.69E-07
968	490686.72	3861085.12	2.55E-03	2.60E-03	2.59E-03	8.81E-07	2.66E-06	1.54E-06	1.57E-06	1.42E-06	6.50E-07	6.49E-07	0.00E+00	0.00E+00	2.83E-07	5.33E-08	3.38E-07	5.22E-08	5.03E-08	7.78E-07
969	490736.72	3861085.12	2.58E-03	2.63E-03	2.63E-03	8.92E-07	2.69E-06	1.56E-06	1.59E-06	1.44E-06	6.58E-07	6.57E-07	0.00E+00	0.00E+00	2.87E-07	5.40E-08	3.43E-07	5.28E-08	5.09E-08	7.87E-07
970	490786.72	3861085.12	2.61E-03	2.66E-03	2.66E-03	9.03E-07	2.73E-06	1.58E-06	1.61E-06	1.46E-06	6.66E-07	6.66E-07	0.00E+00	0.00E+00	2.90E-07	5.47E-08	3.47E-07	5.35E-08	5.15E-08	7.97E-07
971	490836.72	3861085.12	2.64E-03	2.70E-03	2.69E-03	9.15E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.75E-07	6.74E-07	0.00E+00	0.00E+00	2.94E-07	5.54E-08	3.51E-07	5.42E-08	5.22E-08	8.07E-07
972	490086.72	3861135.12	2.07E-03	2.11E-03	2.11E-03	7.16E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	5.28E-07	0.00E+00	0.00E+00	2.30E-07	4.34E-08	2.75E-07	4.24E-08	4.09E-08	6.32E-07
973	490136.72	3861135.12	2.10E-03	2.14E-03	2.14E-03	7.27E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.36E-07	5.36E-07	0.00E+00	0.00E+00	2.34E-07	4.40E-08	2.79E-07	4.31E-08	4.15E-08	6.42E-07
974	490186.72	3861135.12	2.13E-03	2.18E-03	2.17E-03	7.38E-07	2.23E-06	1.29E-06	1.32E-06	1.19E-06	5.45E-07	5.44E-07	0.00E+00	0.00E+00	2.37E-07	4.47E-08	2.84E-07	4.37E-08	4.21E-08	6.52E-07
975	490236.72	3861135.12	2.16E-03	2.21E-03	2.20E-03	7.49E-07	2.26E-06	1.31E-06	1.34E-06	1.21E-06	5.53E-07	5.52E-07	0.00E+00	0.00E+00	2.41E-07	4.53E-08	2.88E-07	4.44E-08	4.27E-08	6.61E-07
976	490286.72	3861135.12	2.19E-03	2.24E-03	2.23E-03	7.58E-07	2.29E-06	1.33E-06	1.35E-06	1.23E-06	5.60E-07	5.59E-07	0.00E+00	0.00E+00	2.44E-07	4.59E-08	2.91E-07	4.49E-08	4.33E-08	6.69E-07
977	490336.72	3861135.12	2.22E-03	2.26E-03	2.26E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.66E-07	5.65E-07	0.00E+00	0.00E+00	2.47E-07	4.64E-08	2.95E-07	4.54E-08	4.38E-08	6.77E-07
978	490386.72	3861135.12	2.25E-03	2.29E-03	2.29E-03	7.77E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.73E-07	5.73E-07	0.00E+00	0.00E+00	2.50E-07	4.71E-08	2.99E-07	4.61E-08	4.44E-08	6.86E-07
979	490436.72	3861135.12	2.27E-03	2.32E-03	2.32E-03	7.87E-07	2.38E-06	1.38E-06	1.40E-06	1.27E-06	5.81E-07	5.80E-07	0.00E+00	0.00E+00	2.53E-07	4.77E-08	3.02E-07	4.66E-08	4.49E-08	6.95E-07
980	490486.72	3861135.12	2.30E-03	2.35E-03	2.35E-03	7.98E-07	2.41E-06	1.39E-06	1.42E-06	1.29E-06	5.88E-07	5.88E-07	0.00E+00	0.00E+00	2.56E-07	4.83E-08	3.06E-07	4.72E-08	4.55E-08	7.04E-07
981	490536.72	3861135.12	2.33E-03	2.38E-03	2.38E-03	8.08E-07	2.44E-06	1.41E-06	1.44E-06	1.31E-06	5.96E-07	5.95E-07	0.00E+00	0.00E+00	2.60E-07	4.89E-08	3.10E-07	4.79E-08	4.61E-08	7.13E-07
982	490586.72	3861135.12	2.36E-03	2.41E-03	2.40E-03	8.17E-07	2.47E-06	1.43E-06	1.46E-06	1.32E-06	6.02E-07	6.02E-07	0.00E+00	0.00E+00	2.63E-07	4.94E-08	3.14E-07	4.84E-08	4.66E-08	7.21E-07
983	490636.72	3861135.12	2.38E-03	2.43E-03	2.42E-03	8.23E-07	2.49E-06	1.44E-06	1.47E-06	1.33E-06	6.08E-07	6.07E-07	0.00E+00	0.00E+00	2.65E-07	4.99E-08	3.16E-07	4.88E-08	4.70E-08	7.27E-07
984	490686.72	3861135.12	2.40E-03	2.45E-03	2.45E-03	8.32E-07	2.51E-06	1.45E-06	1.48E-06	1.35E-06	6.14E-07	6.13E-07	0.00E+00	0.00E+00	2.68E-07	5.04E-08	3.20E-07	4.93E-08	4.75E-08	7.35E-07
985	490736.72	3861135.12	2.43E-03	2.48E-03	2.48E-03	8.42E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.21E-07	6.20E-07	0.00E+00	0.00E+00	2.71E-07	5.10E-08	3.23E-07	4.99E-08	4.80E-08	7.43E-07
986	490786.72	3861135.12	2.46E-03	2.51E-03	2.51E-03	8.52E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.28E-07	6.27E-07	0.00E+00	0.00E+00	2.74E-07	5.16E-08	3.27E-07	5.04E-08	4.86E-08	7.52E-07
987	490836.72	3861135.12	2.49E-03	2.54E-03	2.53E-03	8.61E-07	2.60E-06	1.50E-06	1.54E-06	1.39E-06	6.35E-07	6.34E-07	0.00E+00	0.00E+00	2.77E-07	5.21E-08	3.31E-07	5.10E-08	4.91E-08	7.60E-07
988	490086.72	3861185.12	1.98E-03	2.02E-03	2.02E-03	6.86E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	5.06E-07	5.05E-07	0.00E+00	0.00E+00	2.21E-07	4.15E-08	2.63E-07	4.06E-08	3.91E-08	6.05E-07
989	490136.72	3861185.12	2.00E-03	2.04E-03	2.04E-03	6.93E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.11E-07	5.11E-07	0.00E+00	0.00E+00	2.23E-07	4.20E-08	2.66E-07	4.11E-08	3.95E-08	6.12E-07
990	490186.72	3861185.12	2.03E-03	2.07E-03	2.07E-03	7.02E-07	2.12E-06	1.23E-06	1.25E-06	1.14E-06	5.18E-07	5.18E-07	0.00E+00	0.00E+00	2.26E-07	4.25E-08	2.70E-07	4.16E-08	4.01E-08	6.20E-07
991	490236.72	3861185.12	2.06E-03	2.10E-03	2.10E-03	7.12E-07	2.15E-06	1.24E-06	1.27E-06	1.15E-06	5.25E-07	5.25E-07	0.00E+00	0.00E+00	2.29E-07	4.31E-08	2.74E-07	4.22E-08	4.06E-08	6.28E-07
992	490286.72	3861185.12	2.09E-03	2.13E-03	2.13E-03	7.23E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.33E-07	5.33E-07	0.00E+00	0.00E+00	2.32E-07	4.38E-08	2.78E-07	4.28E-08	4.12E-08	6.38E-07
993	490336.72	3861185.12	2.10E-03	2.15E-03	2.14E-03	7.28E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.37E-07	5.37E-07	0.00E+00	0.00E+00	2.34E-07	4.41E-08	2.80E-07	4.31E-08	4.15E-08	6.43E-07
994	490386.72	3861185.12	2.13E-03	2.17E-03	2.17E-03	7.37E-07	2.23E-06	1.29E-06	1.32E-06	1.19E-06	5.44E-07	5.43E-07	0.00E+00	0.00E+00	2.37E-07	4.46E-08	2.83E-07	4.37E-08	4.21E-08	6.51E-07
995	490436.72	3861185.12	2.16E-03	2.20E-03	2.20E-03	7.48E-07	2.26E-06	1.31E-06	1.33E-06	1.21E-06	5.52E-07	5.51E-07	0.00E+00	0.00E+00	2.40E-07	4.53E-08	2.87E-07	4.43E-08	4.27E-08	6.60E-07
996	490486.72	3861185.12	2.18E-03	2.23E-03	2.23E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.58E-07	5.57E-07	0.00E+00	0.00E+00	2.43E-07	4.58E-08	2.91E-07	4.48E-08	4.32E-08	6.67E-07
997	490536.72	3861185.12	2.22E-03	2.26E-03	2.26E-03	7.68E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.66E-07	0.00E+00	0.00E+00	2.47E-07	4.65E-08	2.95E-07	4.55E-08	4.38E-08	6.78E-07
998	490586.72	3861185.12	2.24E-03	2.28E-03	2.28E-03	7.75E-07	2.34E-06	1.35E-06	1.38E-06	1.25E-06	5.72E-07	5.71E-07	0.00E+00	0.00E+00	2.49E-07	4.69E-08	2.98E-07	4.59E-08	4.42E-08	6.84E-07
999	490636.72	3861185.12	2.25E-03	2.30E-03	2.29E-03	7.79E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.75E-07	5.74E-07	0.00E+00	0.00E+00	2.50E-07	4.72E-08	2.99E-07	4.61E-08	4.44E-08	6.87E-07
1000	490686.72	3861185.12	2.27E-03	2.32E-03	2.32E-03	7.86E-07	2.37E-06	1.37E-06	1.40E-06	1.27E-06	5.80E-07	5.80E-07	0.00E+00	0.00E+00	2.53E-07	4.76E-08	3.02E-07	4.66E-08	4.49E-08	6.94E-07
1001	490736.72	3861185.12	2.30E-03	2.35E-03	2.35E-03	7.97E-07	2.41E-06	1.39E-06	1.42E-06	1.29E-06	5.88E-07	5.87E-07	0.00E+00	0.00E+00	2.56E-07	4.82E-08	3.06E-07	4.72E-08	4.55E-08	7.03E-07

1002	490786.72	3861185.12	2.33E-03	2.38E-03	2.37E-03	8.06E-07	2.43E-06	1.41E-06	1.44E-06	1.30E-06	5.95E-07	5.94E-07	0.00E+00	0.00E+00	2.59E-07	4.88E-08	3.10E-07	4.77E-08	4.60E-08	7.11E-07
1003	490836.72	3861185.12	2.35E-03	2.40E-03	2.40E-03	8.15E-07	2.46E-06	1.42E-06	1.45E-06	1.32E-06	6.01E-07	6.00E-07	0.00E+00	0.00E+00	2.62E-07	4.93E-08	3.13E-07	4.83E-08	4.65E-08	7.19E-07
1004	490086.72	3861235.12	1.90E-03	1.94E-03	1.93E-03	6.56E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.84E-07	4.84E-07	0.00E+00	0.00E+00	2.11E-07	3.97E-08	2.52E-07	3.89E-08	3.75E-08	5.79E-07
1005	490136.72	3861235.12	1.92E-03	1.96E-03	1.95E-03	6.63E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.89E-07	4.89E-07	0.00E+00	0.00E+00	2.13E-07	4.02E-08	2.55E-07	3.93E-08	3.78E-08	5.85E-07
1006	490186.72	3861235.12	1.94E-03	1.98E-03	1.98E-03	6.71E-07	2.03E-06	1.17E-06	1.20E-06	1.09E-06	4.95E-07	4.95E-07	0.00E+00	0.00E+00	2.16E-07	4.07E-08	2.58E-07	3.98E-08	3.83E-08	5.93E-07
1007	490236.72	3861235.12	1.96E-03	2.00E-03	2.00E-03	6.78E-07	2.05E-06	1.18E-06	1.21E-06	1.10E-06	5.00E-07	5.00E-07	0.00E+00	0.00E+00	2.18E-07	4.10E-08	2.60E-07	4.02E-08	3.87E-08	5.98E-07
1008	490386.72	3861235.12	2.02E-03	2.06E-03	2.06E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	5.16E-07	0.00E+00	0.00E+00	2.25E-07	4.24E-08	2.69E-07	4.15E-08	3.99E-08	6.18E-07
1009	490436.72	3861235.12	2.04E-03	2.08E-03	2.08E-03	7.07E-07	2.13E-06	1.24E-06	1.26E-06	1.14E-06	5.21E-07	5.21E-07	0.00E+00	0.00E+00	2.27E-07	4.28E-08	2.72E-07	4.19E-08	4.03E-08	6.24E-07
1010	490486.72	3861235.12	2.06E-03	2.11E-03	2.10E-03	7.14E-07	2.16E-06	1.25E-06	1.27E-06	1.16E-06	5.27E-07	5.26E-07	0.00E+00	0.00E+00	2.30E-07	4.33E-08	2.74E-07	4.23E-08	4.08E-08	6.31E-07
1011	490536.72	3861235.12	2.10E-03	2.14E-03	2.14E-03	7.28E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.37E-07	5.36E-07	0.00E+00	0.00E+00	2.34E-07	4.40E-08	2.80E-07	4.31E-08	4.15E-08	6.42E-07
1012	490586.72	3861235.12	2.13E-03	2.18E-03	2.17E-03	7.38E-07	2.23E-06	1.29E-06	1.32E-06	1.19E-06	5.44E-07	5.44E-07	0.00E+00	0.00E+00	2.37E-07	4.47E-08	2.84E-07	4.37E-08	4.21E-08	6.51E-07
1013	490636.72	3861235.12	2.13E-03	2.18E-03	2.17E-03	7.38E-07	2.23E-06	1.29E-06	1.32E-06	1.19E-06	5.45E-07	5.44E-07	0.00E+00	0.00E+00	2.37E-07	4.47E-08	2.84E-07	4.37E-08	4.21E-08	6.52E-07
1014	490686.72	3861235.12	2.15E-03	2.20E-03	2.20E-03	7.46E-07	2.25E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.50E-07	0.00E+00	0.00E+00	2.40E-07	4.51E-08	2.86E-07	4.42E-08	4.26E-08	6.58E-07
1015	490736.72	3861235.12	2.18E-03	2.23E-03	2.22E-03	7.55E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.57E-07	5.57E-07	0.00E+00	0.00E+00	2.43E-07	4.57E-08	2.90E-07	4.47E-08	4.31E-08	6.67E-07
1016	490786.72	3861235.12	2.21E-03	2.26E-03	2.25E-03	7.65E-07	2.31E-06	1.34E-06	1.36E-06	1.24E-06	5.64E-07	5.64E-07	0.00E+00	0.00E+00	2.46E-07	4.63E-08	2.94E-07	4.53E-08	4.37E-08	6.75E-07
1017	490836.72	3861235.12	2.23E-03	2.28E-03	2.28E-03	7.73E-07	2.33E-06	1.35E-06	1.38E-06	1.25E-06	5.70E-07	5.70E-07	0.00E+00	0.00E+00	2.49E-07	4.68E-08	2.97E-07	4.58E-08	4.41E-08	6.82E-07
1018	490086.72	3861285.12	1.82E-03	1.86E-03	1.86E-03	6.31E-07	1.90E-06	1.10E-06	1.13E-06	1.02E-06	4.65E-07	4.65E-07	0.00E+00	0.00E+00	2.03E-07	3.82E-08	2.42E-07	3.74E-08	3.60E-08	5.57E-07
1019	490136.72	3861285.12	1.85E-03	1.88E-03	1.88E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.71E-07	4.71E-07	0.00E+00	0.00E+00	2.05E-07	3.87E-08	2.45E-07	3.79E-08	3.65E-08	5.64E-07
1020	490186.72	3861285.12	1.86E-03	1.90E-03	1.89E-03	6.43E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.75E-07	4.74E-07	0.00E+00	0.00E+00	2.07E-07	3.89E-08	2.47E-07	3.81E-08	3.67E-08	5.68E-07
1021	490236.72	3861285.12	1.87E-03	1.91E-03	1.91E-03	6.49E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.79E-07	4.78E-07	0.00E+00	0.00E+00	2.09E-07	3.93E-08	2.49E-07	3.85E-08	3.70E-08	5.73E-07
1022	490386.72	3861285.12	1.93E-03	1.97E-03	1.97E-03	6.68E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.92E-07	4.92E-07	0.00E+00	0.00E+00	2.15E-07	4.04E-08	2.56E-07	3.95E-08	3.81E-08	5.89E-07
1023	490436.72	3861285.12	1.95E-03	1.99E-03	1.99E-03	6.75E-07	2.04E-06	1.18E-06	1.20E-06	1.09E-06	4.98E-07	4.97E-07	0.00E+00	0.00E+00	2.17E-07	4.09E-08	2.59E-07	4.00E-08	3.85E-08	5.96E-07
1024	490486.72	3861285.12	1.97E-03	2.01E-03	2.00E-03	6.81E-07	2.06E-06	1.19E-06	1.21E-06	1.10E-06	5.02E-07	5.02E-07	0.00E+00	0.00E+00	2.19E-07	4.12E-08	2.61E-07	4.03E-08	3.88E-08	6.01E-07
1025	490536.72	3861285.12	1.99E-03	2.03E-03	2.03E-03	6.88E-07	2.08E-06	1.20E-06	1.23E-06	1.11E-06	5.08E-07	5.07E-07	0.00E+00	0.00E+00	2.21E-07	4.17E-08	2.64E-07	4.08E-08	3.93E-08	6.07E-07
1026	490586.72	3861285.12	2.01E-03	2.05E-03	2.05E-03	6.97E-07	2.10E-06	1.22E-06	1.24E-06	1.13E-06	5.14E-07	5.13E-07	0.00E+00	0.00E+00	2.24E-07	4.22E-08	2.68E-07	4.13E-08	3.97E-08	6.15E-07
1027	490636.72	3861285.12	2.02E-03	2.06E-03	2.06E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.17E-07	5.16E-07	0.00E+00	0.00E+00	2.25E-07	4.24E-08	2.69E-07	4.15E-08	4.00E-08	6.18E-07
1028	490686.72	3861285.12	2.04E-03	2.09E-03	2.08E-03	7.08E-07	2.14E-06	1.24E-06	1.26E-06	1.14E-06	5.22E-07	5.22E-07	0.00E+00	0.00E+00	2.28E-07	4.29E-08	2.72E-07	4.19E-08	4.04E-08	6.25E-07
1029	490736.72	3861285.12	2.08E-03	2.12E-03	2.12E-03	7.19E-07	2.17E-06	1.26E-06	1.28E-06	1.16E-06	5.31E-07	5.30E-07	0.00E+00	0.00E+00	2.31E-07	4.35E-08	2.76E-07	4.26E-08	4.10E-08	6.35E-07
1030	490786.72	3861285.12	2.10E-03	2.14E-03	2.14E-03	7.26E-07	2.19E-06	1.27E-06	1.30E-06	1.17E-06	5.36E-07	5.35E-07	0.00E+00	0.00E+00	2.34E-07	4.40E-08	2.79E-07	4.30E-08	4.14E-08	6.41E-07
1031	490836.72	3861285.12	2.11E-03	2.16E-03	2.16E-03	7.32E-07	2.21E-06	1.28E-06	1.31E-06	1.18E-06	5.40E-07	5.39E-07	0.00E+00	0.00E+00	2.35E-07	4.43E-08	2.81E-07	4.34E-08	4.18E-08	6.46E-07
1032	490061.24	3859716.13	2.21E-02	2.26E-02	2.26E-02	7.66E-06	2.31E-05	1.34E-05	1.37E-05	1.24E-05	5.65E-06	5.64E-06	0.00E+00	0.00E+00	2.46E-06	4.64E-07	2.94E-06	4.54E-07	4.37E-07	6.76E-06
1033	490111.24	3859716.13	2.53E-02	2.58E-02	2.58E-02	8.76E-06	2.64E-05	1.53E-05	1.56E-05	1.42E-05	6.46E-06	6.45E-06	0.00E+00	0.00E+00	2.82E-06	5.30E-07	3.36E-06	5.19E-07	5.00E-07	7.73E-06
1034	490161.24	3859716.13	2.93E-02	2.99E-02	2.98E-02	1.01E-05	3.06E-05	1.77E-05	1.81E-05	1.64E-05	7.48E-06	7.47E-06	0.00E+00	0.00E+00	3.26E-06	6.14E-07	3.89E-06	6.01E-07	5.78E-07	8.95E-06
1035	490211.24	3859716.13	3.44E-02	3.51E-02	3.51E-02	1.19E-05	3.60E-05	2.08E-05	2.13E-05	1.93E-05	8.79E-06	8.78E-06	0.00E+00	0.00E+00	3.83E-06	7.22E-07	4.58E-06	7.06E-07	6.80E-07	1.05E-05
1036	490061.24	3859766.13	1.74E-02	1.78E-02	1.78E-02	6.04E-06	1.82E-05	1.06E-05	1.08E-05	9.76E-06	4.45E-06	4.45E-06	0.00E+00	0.00E+00	1.94E-06	3.66E-07	2.32E-06	3.58E-07	3.45E-07	5.33E-06
1037	490111.24	3859766.13	1.92E-02	1.96E-02	1.96E-02	6.65E-06	2.01E-05	1.16E-05	1.19E-05	1.08E-05	4.91E-06	4.90E-06	0.00E+00	0.00E+00	2.14E-06	4.03E-07	2.56E-06	3.94E-07	3.80E-07	5.87E-06
1038	490161.24	3859766.13	2.13E-02	2.17E-02	2.17E-02	7.37E-06	2.22E-05	1.29E-05	1.31E-05	1.19E-05	5.43E-06	5.43E-06	0.00E+00	0.00E+00	2.37E-06	4.46E-07	2.83E-06	4.36E-07	4.20E-07	6.50E-06
1039	490211.24	3859766.13	2.39E-02	2.43E-02	2.43E-02	8.26E-06	2.49E-05	1.44E-05	1.47E-05	1.34E-05	6.09E-06	6.09E-06	0.00E+00	0.00E+00	2.66E-06	5.00E-07	3.17E-06	4.89E-07	4.71E-07	7.29E-06
1040	490061.24	3859816.13	1.44E-02	1.47E-02	1.46E-02	4.97E-06	1.50E-05	8.69E-06	8.87E-06	8.04E-06	3.67E-06	3.66E-06	0.00E+00	0.00E+00	1.60E-06	3.01E-07	1.91E-06	2.95E-07	2.84E-07	4.39E-06
1041	490111.24	3859816.13	1.55E-02	1.58E-02	1.58E-02	5.37E-06	1.62E-05	9.38E-06	9.57E-06	8.68E-06	3.96E-06	3.95E-06	0.00E+00	0.00E+00	1.73E-06	3.25E-07	2.06E-06	3.18E-07	3.06E-07	4.74E-06
1042	490161.24	3859816.13	1.68E-02	1.72E-02	1.71E-02	5.82E-06	1.76E-05	1.02E-05	1.04E-05	9.42E-06	4.30E-06	4.29E-06	0.00E+00	0.00E+00	1.87E-06	3.53E-07	2.24E-06	3.45E-07	3.32E-07	5.14E-06
1043	490211.24	3859816.13	1.83E-02	1.87E-02	1.87E-02	6.35E-06	1.92E-05	1.11E-05	1.13E-05	1.03E-05	4.68E-06	4.68E-06	0.00E+00	0.00E+00	2.04E-06	3.84E-07	2.44E-06	3.76E-07	3.62E-07	5.60E-06
1044	490061.24	3859866.13	1.22E-02	1.24E-02	1.24E-02	4.22E-06	1.27E-05	7.38E-06	7.53E-06	6.82E-06	3.11E-06	3.11E-06	0.00E+00	0.00E+00	1.36E-06	2.56E-07	1.62E-06	2.50E-07	2.41E-07	3.73E-06
1045	490111.24	3859866.13	1.30E-02	1.33E-02	1.33E-02	4.51E-06	1.36E-05	7.88E-06	8.04E-06	7.29E-06	3.33E-06	3.32E-06	0.00E+00	0.00E+00	1.45E-06	2.73E-07	1.73E-06	2.67E-07	2.57E-07	3.98E-06
1046	490161.24	3859866.13	1.40E-02	1.42E-02	1.42E-02	4.83E-06	1.46E-05	8.45E-06	8.62E-06	7.81E-06	3.57E-06	3.56E-06	0.00E+00	0.00E+00	1.55E-06	2.93E-07	1.86E-06	2.86E-07	2.76E-07	4.27E-06
1047	490211.24	3859866.13	1.50E-02	1.53E-02	1.53E-02	5.20E-06	1.57E-05	9.08E-06	9.27E-06	8.40E-06	3.83E-06	3.83E-06	0.00E+00	0.00E+00	1.67E-06	3.15E-07	2.00E-06	3.08E-07	2.96E-07	4.59E-06
1048	490061.24	3859916.13	1.06E-02	1.08E-02	1.08E-02	3.66E-06	1.10E-05	6.39E-06	6.52E-06	5.91E-06	2.70E-06	2.69E-06	0.00E+00	0.00E+00	1.18E-06	2.21E-07	1.40E-06	2.17E-07	2.09E-07	3.23E-06
1049	490111.24	3859916.13	1.12E-02	1.14E-02	1.14E-02	3.88E-06	1.17E-05	6.78E-06	6.92E-06	6.28E-06	2.86E-06	2.86E-06	0.00E+00	0.00E+00	1.25E-06	2.35E-07	1.49E-06	2.30E-07	2.21E-07	3.43E-06
1050	490161.24	3859916.13	1.19E-02	1.21E-02	1.21E-02	4.12E-06	1.24E-05	7.20E-06	7.35E-06	6.66E-06	3.04E-06	3.04E-06	0.00E+00	0.00E+00	1.32E-06	2.49E-07	1.58E-06	2.44E-07	2.35E-07	3.64E-06
1051	490211.24	3859916.13	1.26E-02	1.29E-02	1.29E-02	4.38E-06	1.32E-05	7.65E-06	7.81E-06	7.08E-06	3.23E-06	3.22E-06	0.00E+00	0.00E+00	1.41E-06	2.65E-07	1.68E-06	2.59E-07	2.50E-07	3.86E-06
1052	490229.25	3859815.26	1.91E-02	1.95E-02	1.95E-02	6.61E-06	2.00E-05	1.16E-05	1.18E-05	1.07E-05	4.88E-06	4.87E-06	0.00E+00	0.00E+00	2.13E-06	4.00E-07	2.54E-06	3.92E-07	3.77E-07	5.83E-06
1053	490279.25	3859815.26	2.10E-02	2.14E-02	2.14E-02	7.25E-06	2.19E-05	1.27E-05	1.29E-05	1.17E-05	5.35E-06	5.35E-06	0.00E+00	0.00E+00	2.33E-06	4.39E-07	2.79E-06	4.30E-07	4.14E-07	6.40E-06
1054	490329.25	3859815.26	2.32E-02	2.37E-02	2.36E-02	8.03E-06	2.42E-05	1.40E-05	1.43E-05	1.30E-05	5.92E-06	5.91E-06	0.00E+00	0.00E+00	2.58E-06	4.86E-07	3.08E-06	4.75E-07	4.58E-07	7.08E-06
1055	490379.25	3859815.26	2.64E-02	2.69E-02	2.69E-02	9.13E-06	2.76E-05	1.60E-05	1.63E-05	1.48E-05	6.73E-06	6.73E-06	0.00E+00	0.00E+00	2.94E-06	5.53E-07	3.51E-06	5.41E-07	5.21E-07	8.06E-06
1056	490429.25	3859815.26	3.10E-02	3.16E-02	3.15E-02	1.07E-05	3.24E-05	1.87E-05	1.91E-05	1.73E-05	7.91E-06	7.90E-06	0.00E+00	0.00E+00	3.45E-06	6.49E-07	4.12E-06	6.35E-07	6.11E-07	9.46E-06
1057	490229.25	3859865.26	1.55E-02	1.58E-02	1.58E-02	5.35E-06	1.62E-05	9.36E-06	9.55E-06	8.66E-06	3.95E-06	3.95E-06	0.00E+00	0.00E+00	1.72E-06	3.24E-07	2.06E-06	3.17E-07	3.05E-07	4.73E-06

1058	490279.25	3859865.26	1.67E-02	1.70E-02	1.70E-02	5.77E-06	1.74E-05	1.01E-05	1.03E-05	9.32E-06	4.25E-06	4.25E-06	0.00E+00	0.00E+00	1.85E-06	3.49E-07	2.22E-06	3.42E-07	3.29E-07	5.09E-06
1059	490329.25	3859865.26	1.80E-02	1.84E-02	1.84E-02	6.24E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.60E-06	4.59E-06	0.00E+00	0.00E+00	2.01E-06	3.77E-07	2.40E-06	3.69E-07	3.56E-07	5.50E-06
1060	490379.25	3859865.26	1.97E-02	2.01E-02	2.01E-02	6.83E-06	2.06E-05	1.19E-05	1.22E-05	1.10E-05	5.04E-06	5.03E-06	0.00E+00	0.00E+00	2.20E-06	4.13E-07	2.62E-06	4.04E-07	3.90E-07	6.02E-06
1061	490429.25	3859865.26	2.19E-02	2.23E-02	2.23E-02	7.57E-06	2.29E-05	1.32E-05	1.35E-05	1.22E-05	5.59E-06	5.58E-06	0.00E+00	0.00E+00	2.44E-06	4.59E-07	2.91E-06	4.49E-07	4.32E-07	6.69E-06
1062	490229.25	3859915.26	1.30E-02	1.32E-02	1.32E-02	4.49E-06	1.36E-05	7.85E-06	8.02E-06	7.27E-06	3.32E-06	3.31E-06	0.00E+00	0.00E+00	1.45E-06	2.72E-07	1.73E-06	2.66E-07	2.56E-07	3.97E-06
1063	490279.25	3859915.26	1.38E-02	1.41E-02	1.40E-02	4.77E-06	1.44E-05	8.34E-06	8.51E-06	7.72E-06	3.52E-06	3.52E-06	0.00E+00	0.00E+00	1.53E-06	2.89E-07	1.83E-06	2.83E-07	2.72E-07	4.21E-06
1064	490329.25	3859915.26	1.47E-02	1.50E-02	1.50E-02	5.10E-06	1.54E-05	8.91E-06	9.09E-06	8.24E-06	3.76E-06	3.76E-06	0.00E+00	0.00E+00	1.64E-06	3.09E-07	1.96E-06	3.02E-07	2.91E-07	4.50E-06
1065	490379.25	3859915.26	1.58E-02	1.62E-02	1.61E-02	5.48E-06	1.65E-05	9.58E-06	9.77E-06	8.86E-06	4.04E-06	4.04E-06	0.00E+00	0.00E+00	1.76E-06	3.32E-07	2.11E-06	3.25E-07	3.13E-07	4.84E-06
1066	490429.25	3859915.26	1.71E-02	1.74E-02	1.74E-02	5.91E-06	1.79E-05	1.03E-05	1.05E-05	9.56E-06	4.36E-06	4.36E-06	0.00E+00	0.00E+00	1.90E-06	3.58E-07	2.27E-06	3.50E-07	3.37E-07	5.22E-06
1067	490451.43	3859872.59	2.20E-02	2.24E-02	2.24E-02	7.61E-06	2.30E-05	1.33E-05	1.36E-05	1.23E-05	5.61E-06	5.61E-06	0.00E+00	0.00E+00	2.45E-06	4.61E-07	2.92E-06	4.51E-07	4.34E-07	6.72E-06
1068	490501.43	3859872.59	2.50E-02	2.55E-02	2.54E-02	8.64E-06	2.61E-05	1.51E-05	1.54E-05	1.40E-05	6.37E-06	6.37E-06	0.00E+00	0.00E+00	2.78E-06	5.23E-07	3.32E-06	5.12E-07	4.93E-07	7.63E-06
1069	490551.43	3859872.59	2.93E-02	2.99E-02	2.99E-02	1.02E-05	3.07E-05	1.77E-05	1.81E-05	1.64E-05	7.49E-06	7.48E-06	0.00E+00	0.00E+00	3.26E-06	6.15E-07	3.90E-06	6.01E-07	5.79E-07	8.96E-06
1070	490601.43	3859872.59	3.53E-02	3.60E-02	3.60E-02	1.22E-05	3.69E-05	2.14E-05	2.18E-05	1.98E-05	9.01E-06	9.00E-06	0.00E+00	0.00E+00	3.93E-06	7.40E-07	4.69E-06	7.24E-07	6.97E-07	1.08E-05
1071	490451.43	3859922.59	1.72E-02	1.75E-02	1.75E-02	5.94E-06	1.79E-05	1.04E-05	1.06E-05	9.61E-06	4.38E-06	4.38E-06	0.00E+00	0.00E+00	1.91E-06	3.60E-07	2.28E-06	3.52E-07	3.39E-07	5.24E-06
1072	490501.43	3859922.59	1.88E-02	1.92E-02	1.92E-02	6.51E-06	1.96E-05	1.14E-05	1.16E-05	1.05E-05	4.80E-06	4.79E-06	0.00E+00	0.00E+00	2.09E-06	3.94E-07	2.50E-06	3.85E-07	3.71E-07	5.74E-06
1073	490551.43	3859922.59	2.11E-02	2.15E-02	2.15E-02	7.29E-06	2.20E-05	1.27E-05	1.30E-05	1.18E-05	5.38E-06	5.37E-06	0.00E+00	0.00E+00	2.34E-06	4.41E-07	2.80E-06	4.32E-07	4.16E-07	6.44E-06
1074	490601.43	3859922.59	2.41E-02	2.46E-02	2.45E-02	8.33E-06	2.52E-05	1.46E-05	1.49E-05	1.35E-05	6.15E-06	6.14E-06	0.00E+00	0.00E+00	2.68E-06	5.04E-07	3.20E-06	4.93E-07	4.75E-07	7.35E-06
1075	482129.67	3852241.07	3.62E-02	3.69E-02	3.69E-02	1.25E-05	3.78E-05	2.19E-05	2.23E-05	2.03E-05	9.24E-06	9.23E-06	0.00E+00	0.00E+00	4.03E-06	7.58E-07	4.81E-06	7.42E-07	7.15E-07	1.11E-05
1076	482029.67	3852291.07	5.89E-02	6.01E-02	6.00E-02	2.04E-05	6.15E-05	3.56E-05	3.63E-05	3.30E-05	1.50E-05	1.50E-05	0.00E+00	0.00E+00	6.55E-06	1.23E-06	7.83E-06	1.21E-06	1.16E-06	1.80E-05
1077	482079.67	3852291.07	4.84E-02	4.94E-02	4.93E-02	1.68E-05	5.06E-05	2.93E-05	2.99E-05	2.71E-05	1.24E-05	1.23E-05	0.00E+00	0.00E+00	5.39E-06	1.01E-06	6.44E-06	9.93E-07	9.56E-07	1.48E-05
1078	482129.67	3852291.07	4.11E-02	4.19E-02	4.19E-02	1.42E-05	4.30E-05	2.49E-05	2.54E-05	2.30E-05	1.05E-05	1.05E-05	0.00E+00	0.00E+00	4.58E-06	8.61E-07	5.47E-06	8.43E-07	8.12E-07	1.26E-05
1079	482179.67	3852291.07	3.54E-02	3.61E-02	3.61E-02	1.23E-05	3.70E-05	2.14E-05	2.19E-05	1.98E-05	9.05E-06	9.04E-06	0.00E+00	0.00E+00	3.94E-06	7.42E-07	4.71E-06	7.26E-07	7.00E-07	1.08E-05
1080	482229.67	3852291.07	3.05E-02	3.11E-02	3.10E-02	1.05E-05	3.18E-05	1.84E-05	1.88E-05	1.70E-05	7.78E-06	7.77E-06	0.00E+00	0.00E+00	3.39E-06	6.38E-07	4.05E-06	6.25E-07	6.02E-07	9.31E-06
1081	482029.67	3852341.07	7.40E-02	7.55E-02	7.55E-02	2.56E-05	7.74E-05	4.48E-05	4.57E-05	4.14E-05	1.89E-05	1.89E-05	0.00E+00	0.00E+00	8.24E-06	1.55E-06	9.85E-06	1.52E-06	1.46E-06	2.26E-05
1082	482079.67	3852341.07	5.83E-02	5.95E-02	5.94E-02	2.02E-05	6.09E-05	3.53E-05	3.60E-05	3.26E-05	1.49E-05	1.49E-05	0.00E+00	0.00E+00	6.49E-06	1.22E-06	7.75E-06	1.20E-06	1.15E-06	1.78E-05
1083	482129.67	3852341.07	4.80E-02	4.90E-02	4.89E-02	1.66E-05	5.01E-05	2.90E-05	2.96E-05	2.68E-05	1.23E-05	1.22E-05	0.00E+00	0.00E+00	5.34E-06	1.01E-06	6.38E-06	9.84E-07	9.48E-07	1.47E-05
1084	482179.67	3852341.07	4.06E-02	4.15E-02	4.14E-02	1.41E-05	4.25E-05	2.46E-05	2.51E-05	2.27E-05	1.04E-05	1.04E-05	0.00E+00	0.00E+00	4.52E-06	8.52E-07	5.41E-06	8.34E-07	8.03E-07	1.24E-05
1085	482259.06	3852400.14	3.85E-02	3.93E-02	3.92E-02	1.33E-05	4.02E-05	2.33E-05	2.38E-05	2.15E-05	9.83E-06	9.81E-06	0.00E+00	0.00E+00	4.28E-06	8.06E-07	5.12E-06	7.89E-07	7.60E-07	1.18E-05
1086	482309.06	3852400.14	3.29E-02	3.36E-02	3.35E-02	1.14E-05	3.44E-05	1.99E-05	2.03E-05	1.84E-05	8.40E-06	8.39E-06	0.00E+00	0.00E+00	3.66E-06	6.90E-07	4.38E-06	6.75E-07	6.50E-07	1.01E-05
1087	482209.06	3852450.14	5.20E-02	5.31E-02	5.30E-02	1.80E-05	5.44E-05	3.15E-05	3.21E-05	2.91E-05	1.33E-05	1.33E-05	0.00E+00	0.00E+00	5.79E-06	1.09E-06	6.92E-06	1.07E-06	1.03E-06	1.59E-05
1088	482259.06	3852450.14	4.42E-02	4.51E-02	4.50E-02	1.53E-05	4.61E-05	2.67E-05	2.73E-05	2.47E-05	1.13E-05	1.13E-05	0.00E+00	0.00E+00	4.91E-06	9.25E-07	5.87E-06	9.05E-07	8.72E-07	1.35E-05
1089	482309.06	3852450.14	3.79E-02	3.86E-02	3.86E-02	1.31E-05	3.96E-05	2.29E-05	2.34E-05	2.12E-05	9.67E-06	9.66E-06	0.00E+00	0.00E+00	4.21E-06	7.93E-07	5.03E-06	7.76E-07	7.48E-07	1.16E-05
1090	482209.06	3852500.14	6.30E-02	6.43E-02	6.42E-02	2.18E-05	6.58E-05	3.81E-05	3.89E-05	3.53E-05	1.61E-05	1.61E-05	0.00E+00	0.00E+00	7.01E-06	1.32E-06	8.38E-06	1.29E-06	1.24E-06	1.92E-05
1091	482259.06	3852500.14	5.21E-02	5.32E-02	5.31E-02	1.80E-05	5.45E-05	3.15E-05	3.22E-05	2.92E-05	1.33E-05	1.33E-05	0.00E+00	0.00E+00	5.80E-06	1.09E-06	6.93E-06	1.07E-06	1.03E-06	1.59E-05
1092	482309.06	3852500.14	4.37E-02	4.46E-02	4.45E-02	1.51E-05	4.57E-05	2.64E-05	2.70E-05	2.45E-05	1.12E-05	1.11E-05	0.00E+00	0.00E+00	4.87E-06	9.16E-07	5.81E-06	8.96E-07	8.63E-07	1.34E-05
1093	482283.91	3852513.62	4.99E-02	5.10E-02	5.09E-02	1.73E-05	5.22E-05	3.02E-05	3.08E-05	2.80E-05	1.28E-05	1.27E-05	0.00E+00	0.00E+00	5.56E-06	1.05E-06	6.64E-06	1.02E-06	9.86E-07	1.53E-05
1094	482333.91	3852513.62	4.21E-02	4.30E-02	4.29E-02	1.46E-05	4.40E-05	2.55E-05	2.60E-05	2.36E-05	1.07E-05	1.07E-05	0.00E+00	0.00E+00	4.69E-06	8.82E-07	5.60E-06	8.63E-07	8.31E-07	1.29E-05
1095	482283.91	3852563.62	5.98E-02	6.10E-02	6.09E-02	2.07E-05	6.25E-05	3.62E-05	3.69E-05	3.35E-05	1.53E-05	1.52E-05	0.00E+00	0.00E+00	6.65E-06	1.25E-06	7.95E-06	1.23E-06	1.18E-06	1.83E-05
1096	482333.91	3852563.62	4.95E-02	5.05E-02	5.04E-02	1.71E-05	5.17E-05	2.99E-05	3.06E-05	2.77E-05	1.26E-05	1.26E-05	0.00E+00	0.00E+00	5.51E-06	1.04E-06	6.58E-06	1.01E-06	9.78E-07	1.51E-05
1097	482383.91	3852563.62	4.19E-02	4.28E-02	4.27E-02	1.45E-05	4.38E-05	2.54E-05	2.59E-05	2.35E-05	1.07E-05	1.07E-05	0.00E+00	0.00E+00	4.67E-06	8.78E-07	5.57E-06	8.60E-07	8.28E-07	1.28E-05
1098	482283.91	3852613.62	7.70E-02	7.85E-02	7.84E-02	2.66E-05	8.04E-05	4.66E-05	4.75E-05	4.31E-05	1.97E-05	1.96E-05	0.00E+00	0.00E+00	8.57E-06	1.61E-06	1.02E-05	1.58E-06	1.52E-06	2.35E-05
1099	482333.91	3852613.62	5.97E-02	6.09E-02	6.08E-02	2.07E-05	6.24E-05	3.61E-05	3.68E-05	3.34E-05	1.52E-05	1.52E-05	0.00E+00	0.00E+00	6.64E-06	1.25E-06	7.94E-06	1.22E-06	1.18E-06	1.82E-05
1100	482383.91	3852613.62	4.89E-02	4.99E-02	4.99E-02	1.69E-05	5.11E-05	2.96E-05	3.02E-05	2.74E-05	1.25E-05	1.25E-05	0.00E+00	0.00E+00	5.45E-06	1.03E-06	6.51E-06	1.00E-06	9.66E-07	1.49E-05
1101	482602.38	3852600.87	2.54E-02	2.60E-02	2.59E-02	8.81E-06	2.66E-05	1.54E-05	1.57E-05	1.42E-05	6.50E-06	6.49E-06	0.00E+00	0.00E+00	2.83E-06	5.33E-07	3.38E-06	5.22E-07	5.03E-07	7.77E-06
1102	482652.38	3852600.87	2.32E-02	2.37E-02	2.36E-02	8.03E-06	2.42E-05	1.40E-05	1.43E-05	1.30E-05	5.92E-06	5.92E-06	0.00E+00	0.00E+00	2.58E-06	4.86E-07	3.08E-06	4.76E-07	4.58E-07	7.09E-06
1103	482702.38	3852600.87	2.04E-02	2.09E-02	2.08E-02	7.07E-06	2.14E-05	1.24E-05	1.26E-05	1.14E-05	5.22E-06	5.21E-06	0.00E+00	0.00E+00	2.27E-06	4.28E-07	2.72E-06	4.19E-07	4.04E-07	6.24E-06
1104	482552.38	3852650.87	3.28E-02	3.35E-02	3.34E-02	1.13E-05	3.43E-05	1.98E-05	2.02E-05	1.83E-05	8.37E-06	8.36E-06	0.00E+00	0.00E+00	3.65E-06	6.87E-07	4.36E-06	6.72E-07	6.47E-07	1.00E-05
1105	482602.38	3852650.87	2.84E-02	2.90E-02	2.89E-02	9.83E-06	2.97E-05	1.72E-05	1.75E-05	1.59E-05	7.25E-06	7.24E-06	0.00E+00	0.00E+00	3.16E-06	5.95E-07	3.78E-06	5.82E-07	5.61E-07	8.68E-06
1106	482652.38	3852650.87	2.57E-02	2.62E-02	2.62E-02	8.90E-06	2.69E-05	1.55E-05	1.59E-05	1.44E-05	6.56E-06	6.56E-06	0.00E+00	0.00E+00	2.86E-06	5.39E-07	3.42E-06	5.27E-07	5.08E-07	7.85E-06
1107	482702.38	3852650.87	2.35E-02	2.40E-02	2.39E-02	8.13E-06	2.45E-05	1.42E-05	1.45E-05	1.31E-05	6.00E-06	5.99E-06	0.00E+00	0.00E+00	2.61E-06	4.92E-07	3.12E-06	4.82E-07	4.64E-07	7.17E-06
1108	482552.38	3852700.87	3.71E-02	3.79E-02	3.78E-02	1.29E-05	3.88E-05	2.25E-05	2.29E-05	2.08E-05	9.48E-06	9.47E-06	0.00E+00	0.00E+00	4.13E-06	7.78E-07	4.94E-06	7.61E-07	7.33E-07	1.13E-05
1109	482602.38	3852700.87	3.27E-02	3.34E-02	3.34E-02	1.13E-05	3.42E-05	1.98E-05	2.02E-05	1.83E-05	8.36E-06	8.35E-06	0.00E+00	0.00E+00	3.64E-06	6.86E-07	4.35E-06	6.71E-07	6.47E-07	1.00E-05
1110	482652.38	3852700.87	2.96E-02	3.02E-02	3.02E-02	1.03E-05	3.10E-05	1.79E-05	1.83E-05	1.66E-05	7.57E-06	7.56E-06	0.00E+00	0.00E+00	3.30E-06	6.21E-07	3.94E-06	6.08E-07	5.85E-07	9.05E-06
1111	482702.38	3852700.87	2.66E-02	2.72E-02	2.72E-02	9.22E-06	2.79E-05	1.61E-05	1.65E-05	1.49E-05	6.81E-06	6.80E-06	0.00E+00	0.00E+00	2.97E-06	5.58E-07	3.54E-06	5.46E-07	5.26E-07	8.14E-06
1112	482452.38	3852750.87	6.41E-02	6.54E-02	6.54E-02	2.22E-05	6.70E-05	3.88E-05	3.96E-05	3.59E-05	1.64E-05	1.64E-05	0.00E+00	0.00E+00	7.14E-06	1.34E-06	8.53E-06	1.32E-06	1.27E-06	1.96E-05
1113	482521.29	3852749.74	4.77E-02	4.86E-02	4.86E-02	1.65E-05	4.98E-05	2.88E-05	2.94E-05	2.67E-05	1.22E-05	1.22E-05	0.00E+00	0.00E+00	5.31E-06	9.99E-07	6.34E-06	9.78E-07	9.42E-07	1.46E-05

1114	482571.29	3852749.74	4.04E-02	4.12E-02	4.12E-02	1.40E-05	4.22E-05	2.44E-05	2.49E-05	2.26E-05	1.03E-05	1.03E-05	0.00E+00	0.00E+00	4.50E-06	8.46E-07	5.37E-06	8.28E-07	7.98E-07	1.23E-05
1115	482521.29	3852799.74	5.77E-02	5.89E-02	5.88E-02	2.00E-05	6.03E-05	3.49E-05	3.56E-05	3.23E-05	1.47E-05	1.47E-05	0.00E+00	0.00E+00	6.42E-06	1.21E-06	7.67E-06	1.18E-06	1.14E-06	1.76E-05
1116	482571.29	3852799.74	4.73E-02	4.83E-02	4.82E-02	1.64E-05	4.94E-05	2.86E-05	2.92E-05	2.65E-05	1.21E-05	1.21E-05	0.00E+00	0.00E+00	5.26E-06	9.91E-07	6.29E-06	9.70E-07	9.34E-07	1.44E-05
1117	482621.29	3852799.74	4.01E-02	4.09E-02	4.09E-02	1.39E-05	4.19E-05	2.43E-05	2.48E-05	2.25E-05	1.02E-05	1.02E-05	0.00E+00	0.00E+00	4.47E-06	8.41E-07	5.34E-06	8.23E-07	7.93E-07	1.23E-05
1118	482571.29	3852849.74	5.70E-02	5.81E-02	5.80E-02	1.97E-05	5.95E-05	3.45E-05	3.52E-05	3.19E-05	1.45E-05	1.45E-05	0.00E+00	0.00E+00	6.34E-06	1.19E-06	7.57E-06	1.17E-06	1.12E-06	1.74E-05
1119	482621.29	3852849.74	4.67E-02	4.77E-02	4.76E-02	1.62E-05	4.88E-05	2.83E-05	2.88E-05	2.61E-05	1.19E-05	1.19E-05	0.00E+00	0.00E+00	5.20E-06	9.79E-07	6.21E-06	9.58E-07	9.23E-07	1.43E-05
1120	482577.42	3852901.55	7.00E-02	7.15E-02	7.14E-02	2.42E-05	7.32E-05	4.24E-05	4.32E-05	3.92E-05	1.79E-05	1.79E-05	0.00E+00	0.00E+00	7.80E-06	1.47E-06	9.31E-06	1.44E-06	1.38E-06	2.14E-05
1121	482627.42	3852901.55	5.51E-02	5.62E-02	5.61E-02	1.91E-05	5.75E-05	3.33E-05	3.40E-05	3.08E-05	1.41E-05	1.40E-05	0.00E+00	0.00E+00	6.13E-06	1.15E-06	7.32E-06	1.13E-06	1.09E-06	1.68E-05
1122	482629.96	3852955.85	6.83E-02	6.96E-02	6.96E-02	2.36E-05	7.13E-05	4.13E-05	4.21E-05	3.82E-05	1.74E-05	1.74E-05	0.00E+00	0.00E+00	7.60E-06	1.43E-06	9.08E-06	1.40E-06	1.35E-06	2.09E-05
1123	482679.96	3852955.85	5.32E-02	5.43E-02	5.43E-02	1.84E-05	5.57E-05	3.22E-05	3.29E-05	2.98E-05	1.36E-05	1.36E-05	0.00E+00	0.00E+00	5.93E-06	1.12E-06	7.08E-06	1.09E-06	1.05E-06	1.63E-05
1124	482781.63	3853034.48	4.31E-02	4.40E-02	4.40E-02	1.49E-05	4.51E-05	2.61E-05	2.66E-05	2.41E-05	1.10E-05	1.10E-05	0.00E+00	0.00E+00	4.80E-06	9.04E-07	5.73E-06	8.84E-07	8.52E-07	1.32E-05
1125	482831.63	3853034.48	3.60E-02	3.67E-02	3.67E-02	1.25E-05	3.76E-05	2.18E-05	2.22E-05	2.02E-05	9.20E-06	9.19E-06	0.00E+00	0.00E+00	4.01E-06	7.55E-07	4.79E-06	7.39E-07	7.11E-07	1.10E-05
1126	482881.63	3853034.48	3.07E-02	3.13E-02	3.13E-02	1.06E-05	3.21E-05	1.86E-05	1.89E-05	1.72E-05	7.83E-06	7.82E-06	0.00E+00	0.00E+00	3.41E-06	6.43E-07	4.08E-06	6.29E-07	6.06E-07	9.37E-06
1127	482781.63	3853084.48	4.75E-02	4.85E-02	4.84E-02	1.64E-05	4.96E-05	2.87E-05	2.93E-05	2.66E-05	1.21E-05	1.21E-05	0.00E+00	0.00E+00	5.29E-06	9.95E-07	6.32E-06	9.74E-07	9.38E-07	1.45E-05
1128	482831.63	3853084.48	3.90E-02	3.98E-02	3.97E-02	1.35E-05	4.08E-05	2.36E-05	2.41E-05	2.18E-05	9.96E-06	9.95E-06	0.00E+00	0.00E+00	4.34E-06	8.17E-07	5.19E-06	8.00E-07	7.70E-07	1.19E-05
1129	482881.63	3853084.48	3.31E-02	3.38E-02	3.37E-02	1.15E-05	3.46E-05	2.00E-05	2.04E-05	1.85E-05	8.45E-06	8.44E-06	0.00E+00	0.00E+00	3.69E-06	6.94E-07	4.40E-06	6.79E-07	6.54E-07	1.01E-05
1130	482781.63	3853134.48	5.31E-02	5.42E-02	5.41E-02	1.84E-05	5.55E-05	3.21E-05	3.28E-05	2.97E-05	1.36E-05	1.35E-05	0.00E+00	0.00E+00	5.91E-06	1.11E-06	7.06E-06	1.09E-06	1.05E-06	1.62E-05
1131	482831.63	3853134.48	4.26E-02	4.34E-02	4.34E-02	1.47E-05	4.45E-05	2.58E-05	2.63E-05	2.38E-05	1.09E-05	1.09E-05	0.00E+00	0.00E+00	4.74E-06	8.92E-07	5.66E-06	8.73E-07	8.41E-07	1.30E-05
1132	482881.63	3853134.48	3.58E-02	3.65E-02	3.65E-02	1.24E-05	3.74E-05	2.17E-05	2.21E-05	2.00E-05	9.15E-06	9.13E-06	0.00E+00	0.00E+00	3.99E-06	7.50E-07	4.76E-06	7.34E-07	7.07E-07	1.09E-05
1133	482831.63	3853184.48	4.72E-02	4.82E-02	4.81E-02	1.63E-05	4.93E-05	2.86E-05	2.91E-05	2.64E-05	1.21E-05	1.20E-05	0.00E+00	0.00E+00	5.25E-06	9.89E-07	6.28E-06	9.68E-07	9.32E-07	1.44E-05
1134	482881.63	3853184.48	3.88E-02	3.95E-02	3.95E-02	1.34E-05	4.05E-05	2.35E-05	2.39E-05	2.17E-05	9.90E-06	9.89E-06	0.00E+00	0.00E+00	4.31E-06	8.12E-07	5.15E-06	7.95E-07	7.66E-07	1.18E-05
1135	484154.84	3854250.98	1.91E-03	1.95E-03	1.94E-03	6.60E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.87E-07	4.86E-07	0.00E+00	0.00E+00	2.12E-07	4.00E-08	2.54E-07	3.91E-08	3.77E-08	5.82E-07
1136	484204.84	3854250.98	1.89E-03	1.93E-03	1.92E-03	6.54E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.82E-07	4.82E-07	0.00E+00	0.00E+00	2.10E-07	3.96E-08	2.51E-07	3.87E-08	3.73E-08	5.77E-07
1137	484154.84	3854300.98	1.80E-03	1.84E-03	1.84E-03	6.24E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.60E-07	4.59E-07	0.00E+00	0.00E+00	2.01E-07	3.77E-08	2.40E-07	3.69E-08	3.56E-08	5.50E-07
1138	484204.84	3854300.98	1.80E-03	1.83E-03	1.83E-03	6.21E-07	1.88E-06	1.09E-06	1.11E-06	1.00E-06	4.58E-07	4.58E-07	0.00E+00	0.00E+00	2.00E-07	3.76E-08	2.39E-07	3.68E-08	3.55E-08	5.48E-07
1139	484074.19	3854519.8	1.51E-03	1.54E-03	1.54E-03	5.22E-07	1.58E-06	9.12E-07	9.31E-07	8.44E-07	3.85E-07	3.85E-07	0.00E+00	0.00E+00	1.68E-07	3.16E-08	2.01E-07	3.09E-08	2.98E-08	4.61E-07
1140	484124.19	3854519.8	1.50E-03	1.53E-03	1.52E-03	5.18E-07	1.56E-06	9.05E-07	9.23E-07	8.37E-07	3.82E-07	3.81E-07	0.00E+00	0.00E+00	1.66E-07	3.13E-08	1.99E-07	3.07E-08	2.95E-08	4.57E-07
1141	484074.19	3854569.8	1.45E-03	1.48E-03	1.48E-03	5.02E-07	1.52E-06	8.78E-07	8.96E-07	8.12E-07	3.71E-07	3.70E-07	0.00E+00	0.00E+00	1.62E-07	3.04E-08	1.93E-07	2.98E-08	2.87E-08	4.43E-07
1142	484124.19	3854569.8	1.43E-03	1.46E-03	1.46E-03	4.95E-07	1.49E-06	8.65E-07	8.83E-07	8.00E-07	3.65E-07	3.65E-07	0.00E+00	0.00E+00	1.59E-07	3.00E-08	1.90E-07	2.93E-08	2.82E-08	4.37E-07
1143	485205.11	3855188.89	1.21E-03	1.23E-03	1.23E-03	4.18E-07	1.26E-06	7.31E-07	7.46E-07	6.76E-07	3.08E-07	3.08E-07	0.00E+00	0.00E+00	1.34E-07	2.53E-08	1.61E-07	2.48E-08	2.39E-08	3.69E-07
1144	485255.11	3855188.89	1.19E-03	1.22E-03	1.21E-03	4.12E-07	1.25E-06	7.21E-07	7.36E-07	6.67E-07	3.04E-07	3.04E-07	0.00E+00	0.00E+00	1.33E-07	2.50E-08	1.58E-07	2.44E-08	2.35E-08	3.64E-07
1145	485205.11	3855238.89	1.19E-03	1.21E-03	1.21E-03	4.11E-07	1.24E-06	7.19E-07	7.33E-07	6.65E-07	3.03E-07	3.03E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.35E-08	3.63E-07
1146	485255.11	3855238.89	1.18E-03	1.20E-03	1.20E-03	4.09E-07	1.23E-06	7.14E-07	7.29E-07	6.61E-07	3.02E-07	3.01E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.33E-08	3.61E-07
1147	485205.11	3855288.89	1.19E-03	1.22E-03	1.21E-03	4.12E-07	1.25E-06	7.21E-07	7.36E-07	6.67E-07	3.04E-07	3.04E-07	0.00E+00	0.00E+00	1.33E-07	2.50E-08	1.58E-07	2.44E-08	2.35E-08	3.64E-07
1148	485255.11	3855288.89	1.18E-03	1.20E-03	1.20E-03	4.09E-07	1.23E-06	7.14E-07	7.29E-07	6.61E-07	3.02E-07	3.01E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.33E-08	3.61E-07
1149	485255.11	3855338.89	1.18E-03	1.20E-03	1.20E-03	4.08E-07	1.23E-06	7.13E-07	7.27E-07	6.59E-07	3.01E-07	3.01E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.33E-08	3.60E-07
1150	485305.11	3855338.89	1.17E-03	1.19E-03	1.19E-03	4.04E-07	1.22E-06	7.07E-07	7.21E-07	6.54E-07	2.98E-07	2.98E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.55E-07	2.39E-08	2.31E-08	3.57E-07
1151	485852.5	3855635.28	1.05E-03	1.08E-03	1.07E-03	3.65E-07	1.10E-06	6.38E-07	6.51E-07	5.90E-07	2.69E-07	2.69E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	2.08E-08	3.22E-07
1152	485902.5	3855635.28	1.04E-03	1.07E-03	1.06E-03	3.61E-07	1.09E-06	6.32E-07	6.44E-07	5.84E-07	2.67E-07	2.66E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	2.06E-08	3.19E-07
1153	485852.5	3855685.28	1.05E-03	1.07E-03	1.07E-03	3.62E-07	1.09E-06	6.33E-07	6.46E-07	5.86E-07	2.67E-07	2.67E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.15E-08	2.07E-08	3.20E-07
1154	485902.5	3855685.28	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.08E-06	6.27E-07	6.40E-07	5.80E-07	2.65E-07	2.64E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.13E-08	2.05E-08	3.17E-07
1155	485852.5	3855735.28	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.29E-07	6.41E-07	5.82E-07	2.65E-07	2.65E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.38E-07	2.13E-08	2.05E-08	3.17E-07
1156	485902.5	3855735.28	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.25E-07	6.37E-07	5.78E-07	2.64E-07	2.63E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.12E-08	2.04E-08	3.15E-07
1157	485852.5	3855785.28	1.03E-03	1.05E-03	1.05E-03	3.58E-07	1.08E-06	6.25E-07	6.38E-07	5.78E-07	2.64E-07	2.64E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.37E-07	2.12E-08	2.04E-08	3.16E-07
1158	485902.5	3855785.28	1.02E-03	1.05E-03	1.04E-03	3.55E-07	1.07E-06	6.20E-07	6.33E-07	5.73E-07	2.62E-07	2.61E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.36E-07	2.10E-08	2.02E-08	3.13E-07
1159	486809.46	3856465.28	8.94E-04	9.12E-04	9.11E-04	3.09E-07	9.34E-07	5.41E-07	5.52E-07	5.00E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.95E-08	1.87E-08	1.19E-07	1.83E-08	1.77E-08	2.73E-07
1160	486859.46	3856465.28	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.32E-07	5.40E-07	5.51E-07	4.99E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.93E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
1161	486909.46	3856465.28	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.90E-08	1.86E-08	1.18E-07	1.82E-08	1.76E-08	2.72E-07
1162	486809.46	3856515.28	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.96E-08	1.87E-08	1.19E-07	1.83E-08	1.77E-08	2.73E-07
1163	486859.46	3856515.28	8.94E-04	9.13E-04	9.11E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.95E-08	1.87E-08	1.19E-07	1.83E-08	1.77E-08	2.73E-07
1164	486909.46	3856515.28	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.94E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
1165	486980.94	3856357.95	8.85E-04	9.03E-04	9.02E-04	3.06E-07	9.25E-07	5.36E-07	5.47E-07	4.95E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.85E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.70E-07
1166	487030.94	3856357.95	8.85E-04	9.03E-04	9.02E-04	3.06E-07	9.25E-07	5.35E-07	5.46E-07	4.95E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.85E-08	1.85E-08	1.18E-07	1.81E-08	1.75E-08	2.70E-07
1167	486980.94	3856407.95	8.86E-04	9.04E-04	9.03E-04	3.07E-07	9.26E-07	5.36E-07	5.47E-07	4.96E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.86E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
1168	487030.94	3856407.95	8.84E-04	9.02E-04	9.01E-04	3.06E-07	9.24E-07	5.35E-07	5.46E-07	4.95E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.84E-08	1.85E-08	1.18E-07	1.81E-08	1.75E-08	2.70E-07
1169	487447.18	3856437.45	8.88E-04	9.06E-04	9.05E-04	3.07E-07	9.28E-07	5.37E-07	5.48E-07	4.97E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.89E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07

1170	487497.18	3856437.45	8.90E-04	9.08E-04	9.07E-04	3.08E-07	9.30E-07	5.39E-07	5.50E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.91E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
1171	487547.18	3856437.45	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	4.99E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.93E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
1172	487447.18	3856487.45	8.87E-04	9.05E-04	9.04E-04	3.07E-07	9.27E-07	5.37E-07	5.48E-07	4.96E-07	2.27E-07	2.26E-07	0.00E+00	0.00E+00	9.87E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
1173	487497.18	3856487.45	8.88E-04	9.07E-04	9.05E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.97E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.89E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
1174	487547.18	3856487.45	8.91E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.99E-07	2.28E-07	2.27E-07	0.00E+00	0.00E+00	9.92E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
1175	487447.18	3856537.45	8.86E-04	9.04E-04	9.03E-04	3.07E-07	9.26E-07	5.36E-07	5.47E-07	4.96E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.87E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
1176	487497.18	3856537.45	8.88E-04	9.06E-04	9.05E-04	3.07E-07	9.28E-07	5.37E-07	5.48E-07	4.97E-07	2.27E-07	2.26E-07	0.00E+00	0.00E+00	9.88E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
1177	487547.18	3856537.45	8.90E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.91E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
1178	489285.89	3858826.54	1.16E-02	1.19E-02	1.18E-02	4.02E-06	1.21E-05	7.03E-06	7.18E-06	6.51E-06	2.97E-06	2.97E-06	0.00E+00	0.00E+00	1.29E-06	2.44E-07	1.55E-06	2.38E-07	2.30E-07	3.55E-06
1179	489335.89	3858826.54	1.13E-02	1.15E-02	1.15E-02	3.91E-06	1.18E-05	6.83E-06	6.97E-06	6.32E-06	2.88E-06	2.88E-06	0.00E+00	0.00E+00	1.26E-06	2.36E-07	1.50E-06	2.31E-07	2.23E-07	3.45E-06
1180	489385.89	3858826.54	1.09E-02	1.11E-02	1.11E-02	3.78E-06	1.14E-05	6.61E-06	6.75E-06	6.12E-06	2.79E-06	2.79E-06	0.00E+00	0.00E+00	1.22E-06	2.29E-07	1.45E-06	2.24E-07	2.16E-07	3.34E-06
1181	489435.89	3858826.54	1.06E-02	1.08E-02	1.08E-02	3.66E-06	1.11E-05	6.40E-06	6.53E-06	5.92E-06	2.70E-06	2.70E-06	0.00E+00	0.00E+00	1.18E-06	2.22E-07	1.41E-06	2.17E-07	2.09E-07	3.23E-06
1182	489485.89	3858826.54	1.03E-02	1.05E-02	1.04E-02	3.55E-06	1.07E-05	6.20E-06	6.33E-06	5.74E-06	2.62E-06	2.62E-06	0.00E+00	0.00E+00	1.14E-06	2.15E-07	1.36E-06	2.10E-07	2.02E-07	3.13E-06
1183	489535.89	3858826.54	9.93E-03	1.01E-02	1.01E-02	3.44E-06	1.04E-05	6.01E-06	6.13E-06	5.56E-06	2.54E-06	2.53E-06	0.00E+00	0.00E+00	1.11E-06	2.08E-07	1.32E-06	2.04E-07	1.96E-07	3.03E-06
1184	489585.89	3858826.54	9.63E-03	9.83E-03	9.82E-03	3.33E-06	1.01E-05	5.83E-06	5.95E-06	5.39E-06	2.46E-06	2.46E-06	0.00E+00	0.00E+00	1.07E-06	2.02E-07	1.28E-06	1.98E-07	1.90E-07	2.94E-06
1185	489635.89	3858826.54	9.34E-03	9.53E-03	9.52E-03	3.23E-06	9.76E-06	5.65E-06	5.77E-06	5.23E-06	2.39E-06	2.38E-06	0.00E+00	0.00E+00	1.04E-06	1.96E-07	1.24E-06	1.92E-07	1.84E-07	2.85E-06
1186	489685.89	3858826.54	9.06E-03	9.25E-03	9.23E-03	3.14E-06	9.47E-06	5.48E-06	5.59E-06	5.07E-06	2.31E-06	2.31E-06	0.00E+00	0.00E+00	1.01E-06	1.90E-07	1.20E-06	1.86E-07	1.79E-07	2.77E-06
1187	489735.89	3858826.54	8.80E-03	8.98E-03	8.97E-03	3.05E-06	9.20E-06	5.33E-06	5.43E-06	4.93E-06	2.25E-06	2.25E-06	0.00E+00	0.00E+00	9.80E-07	1.84E-07	1.17E-06	1.80E-07	1.74E-07	2.69E-06
1188	489785.89	3858826.54	8.57E-03	8.75E-03	8.74E-03	2.97E-06	8.96E-06	5.19E-06	5.29E-06	4.80E-06	2.19E-06	2.19E-06	0.00E+00	0.00E+00	9.54E-07	1.80E-07	1.14E-06	1.76E-07	1.69E-07	2.62E-06
1189	489835.89	3858826.54	8.33E-03	8.51E-03	8.50E-03	2.89E-06	8.71E-06	5.04E-06	5.15E-06	4.66E-06	2.13E-06	2.13E-06	0.00E+00	0.00E+00	9.28E-07	1.75E-07	1.11E-06	1.71E-07	1.65E-07	2.55E-06
1190	489885.89	3858826.54	8.14E-03	8.30E-03	8.29E-03	2.82E-06	8.50E-06	4.92E-06	5.02E-06	4.55E-06	2.08E-06	2.08E-06	0.00E+00	0.00E+00	9.06E-07	1.71E-07	1.08E-06	1.67E-07	1.61E-07	2.49E-06
1191	489935.89	3858826.54	7.93E-03	8.09E-03	8.08E-03	2.75E-06	8.29E-06	4.80E-06	4.90E-06	4.44E-06	2.03E-06	2.02E-06	0.00E+00	0.00E+00	8.83E-07	1.66E-07	1.05E-06	1.63E-07	1.57E-07	2.42E-06
1192	489985.89	3858826.54	7.72E-03	7.88E-03	7.87E-03	2.67E-06	8.07E-06	4.67E-06	4.77E-06	4.32E-06	1.97E-06	1.97E-06	0.00E+00	0.00E+00	8.59E-07	1.62E-07	1.03E-06	1.58E-07	1.52E-07	2.36E-06
1193	490035.89	3858826.54	7.43E-03	7.59E-03	7.58E-03	2.57E-06	7.77E-06	4.50E-06	4.59E-06	4.16E-06	1.90E-06	1.90E-06	0.00E+00	0.00E+00	8.28E-07	1.56E-07	9.89E-07	1.52E-07	1.47E-07	2.27E-06
1194	489285.89	3858876.54	1.66E-02	1.69E-02	1.69E-02	5.73E-06	1.73E-05	1.00E-05	1.02E-05	9.27E-06	4.23E-06	4.22E-06	0.00E+00	0.00E+00	1.84E-06	3.47E-07	2.20E-06	3.40E-07	3.27E-07	5.06E-06
1195	489335.89	3858876.54	1.55E-02	1.59E-02	1.58E-02	5.38E-06	1.62E-05	9.40E-06	9.60E-06	8.70E-06	3.97E-06	3.96E-06	0.00E+00	0.00E+00	1.73E-06	3.26E-07	2.07E-06	3.19E-07	3.07E-07	4.75E-06
1196	489385.89	3858876.54	1.47E-02	1.50E-02	1.49E-02	5.07E-06	1.53E-05	8.87E-06	9.05E-06	8.21E-06	3.74E-06	3.74E-06	0.00E+00	0.00E+00	1.63E-06	3.07E-07	1.95E-06	3.01E-07	2.90E-07	4.48E-06
1197	489435.89	3858876.54	1.39E-02	1.42E-02	1.41E-02	4.80E-06	1.45E-05	8.40E-06	8.57E-06	7.77E-06	3.54E-06	3.54E-06	0.00E+00	0.00E+00	1.54E-06	2.91E-07	1.85E-06	2.85E-07	2.74E-07	4.24E-06
1198	489485.89	3858876.54	1.32E-02	1.35E-02	1.34E-02	4.57E-06	1.38E-05	7.98E-06	8.14E-06	7.38E-06	3.37E-06	3.36E-06	0.00E+00	0.00E+00	1.47E-06	2.76E-07	1.75E-06	2.70E-07	2.60E-07	4.03E-06
1199	489535.89	3858876.54	1.26E-02	1.28E-02	1.28E-02	4.35E-06	1.31E-05	7.60E-06	7.75E-06	7.03E-06	3.21E-06	3.20E-06	0.00E+00	0.00E+00	1.40E-06	2.63E-07	1.67E-06	2.58E-07	2.48E-07	3.84E-06
1200	489585.89	3858876.54	1.20E-02	1.22E-02	1.22E-02	4.15E-06	1.25E-05	7.25E-06	7.40E-06	6.71E-06	3.06E-06	3.06E-06	0.00E+00	0.00E+00	1.33E-06	2.51E-07	1.59E-06	2.46E-07	2.37E-07	3.66E-06
1201	489635.89	3858876.54	1.15E-02	1.17E-02	1.17E-02	3.97E-06	1.20E-05	6.95E-06	7.09E-06	6.43E-06	2.93E-06	2.93E-06	0.00E+00	0.00E+00	1.28E-06	2.41E-07	1.53E-06	2.35E-07	2.27E-07	3.51E-06
1202	489685.89	3858876.54	1.10E-02	1.12E-02	1.12E-02	3.81E-06	1.15E-05	6.67E-06	6.80E-06	6.17E-06	2.81E-06	2.81E-06	0.00E+00	0.00E+00	1.23E-06	2.31E-07	1.47E-06	2.26E-07	2.18E-07	3.37E-06
1203	489735.89	3858876.54	1.06E-02	1.08E-02	1.08E-02	3.67E-06	1.11E-05	6.41E-06	6.54E-06	5.93E-06	2.70E-06	2.70E-06	0.00E+00	0.00E+00	1.18E-06	2.22E-07	1.41E-06	2.17E-07	2.09E-07	3.24E-06
1204	489785.89	3858876.54	1.02E-02	1.04E-02	1.04E-02	3.54E-06	1.07E-05	6.18E-06	6.31E-06	5.72E-06	2.61E-06	2.61E-06	0.00E+00	0.00E+00	1.14E-06	2.14E-07	1.36E-06	2.10E-07	2.02E-07	3.12E-06
1205	489835.89	3858876.54	9.87E-03	1.01E-02	1.01E-02	3.42E-06	1.03E-05	5.97E-06	6.09E-06	5.52E-06	2.52E-06	2.52E-06	0.00E+00	0.00E+00	1.10E-06	2.07E-07	1.31E-06	2.02E-07	1.95E-07	3.02E-06
1206	489885.89	3858876.54	9.57E-03	9.77E-03	9.76E-03	3.31E-06	1.00E-05	5.79E-06	5.91E-06	5.36E-06	2.44E-06	2.44E-06	0.00E+00	0.00E+00	1.07E-06	2.01E-07	1.27E-06	1.96E-07	1.89E-07	2.92E-06
1207	489935.89	3858876.54	9.26E-03	9.45E-03	9.44E-03	3.21E-06	9.68E-06	5.60E-06	5.72E-06	5.18E-06	2.37E-06	2.36E-06	0.00E+00	0.00E+00	1.03E-06	1.94E-07	1.23E-06	1.90E-07	1.83E-07	2.83E-06
1208	489985.89	3858876.54	8.94E-03	9.13E-03	9.12E-03	3.10E-06	9.35E-06	5.41E-06	5.52E-06	5.01E-06	2.28E-06	2.28E-06	0.00E+00	0.00E+00	9.96E-07	1.87E-07	1.19E-06	1.83E-07	1.77E-07	2.73E-06
1209	490035.89	3858876.54	8.59E-03	8.77E-03	8.76E-03	2.97E-06	8.98E-06	5.20E-06	5.31E-06	4.81E-06	2.19E-06	2.19E-06	0.00E+00	0.00E+00	9.57E-07	1.80E-07	1.14E-06	1.76E-07	1.70E-07	2.63E-06
1210	489285.89	3858926.54	2.32E-02	2.37E-02	2.37E-02	8.04E-06	2.43E-05	1.41E-05	1.43E-05	1.30E-05	5.93E-06	5.92E-06	0.00E+00	0.00E+00	2.59E-06	4.87E-07	3.09E-06	4.76E-07	4.59E-07	7.09E-06
1211	489335.89	3858926.54	2.11E-02	2.16E-02	2.15E-02	7.32E-06	2.21E-05	1.28E-05	1.30E-05	1.18E-05	5.40E-06	5.39E-06	0.00E+00	0.00E+00	2.35E-06	4.43E-07	2.81E-06	4.33E-07	4.17E-07	6.46E-06
1212	489385.89	3858926.54	1.94E-02	1.98E-02	1.98E-02	6.72E-06	2.03E-05	1.17E-05	1.20E-05	1.09E-05	4.96E-06	4.95E-06	0.00E+00	0.00E+00	2.16E-06	4.07E-07	2.58E-06	3.98E-07	3.83E-07	5.93E-06
1213	489435.89	3858926.54	1.80E-02	1.84E-02	1.83E-02	6.23E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.59E-06	4.59E-06	0.00E+00	0.00E+00	2.00E-06	3.77E-07	2.39E-06	3.69E-07	3.55E-07	5.49E-06
1214	489485.89	3858926.54	1.68E-02	1.71E-02	1.71E-02	5.81E-06	1.75E-05	1.01E-05	1.04E-05	9.39E-06	4.28E-06	4.28E-06	0.00E+00	0.00E+00	1.87E-06	3.52E-07	2.23E-06	3.44E-07	3.31E-07	5.12E-06
1215	489535.89	3858926.54	1.57E-02	1.61E-02	1.60E-02	5.45E-06	1.64E-05	9.52E-06	9.71E-06	8.81E-06	4.02E-06	4.01E-06	0.00E+00	0.00E+00	1.75E-06	3.30E-07	2.09E-06	3.23E-07	3.11E-07	4.81E-06
1216	489585.89	3858926.54	1.48E-02	1.51E-02	1.51E-02	5.13E-06	1.55E-05	8.97E-06	9.15E-06	8.29E-06	3.78E-06	3.78E-06	0.00E+00	0.00E+00	1.65E-06	3.11E-07	1.97E-06	3.04E-07	2.93E-07	4.53E-06
1217	489635.89	3858926.54	1.40E-02	1.43E-02	1.43E-02	4.85E-06	1.47E-05	8.48E-06	8.66E-06	7.85E-06	3.58E-06	3.58E-06	0.00E+00	0.00E+00	1.56E-06	2.94E-07	1.86E-06	2.88E-07	2.77E-07	4.28E-06
1218	489685.89	3858926.54	1.33E-02	1.36E-02	1.36E-02	4.61E-06	1.39E-05	8.05E-06	8.21E-06	7.45E-06	3.40E-06	3.39E-06	0.00E+00	0.00E+00	1.48E-06	2.79E-07	1.77E-06	2.73E-07	2.63E-07	4.06E-06
1219	489735.89	3858926.54	1.27E-02	1.29E-02	1.29E-02	4.39E-06	1.33E-05	7.68E-06	7.83E-06	7.10E-06	3.24E-06	3.24E-06	0.00E+00	0.00E+00	1.41E-06	2.66E-07	1.69E-06	2.60E-07	2.51E-07	3.88E-06
1220	489785.89	3858926.54	1.21E-02	1.24E-02	1.24E-02	4.20E-06	1.27E-05	7.34E-06	7.49E-06	6.79E-06	3.10E-06	3.09E-06	0.00E+00	0.00E+00	1.35E-06	2.54E-07	1.61E-06	2.49E-07	2.40E-07	3.71E-06
1221	489835.89	3858926.54	1.16E-02	1.19E-02	1.18E-02	4.02E-06	1.21E-05	7.03E-06	7.17E-06	6.50E-06	2.97E-06	2.96E-06	0.00E+00	0.00E+00	1.29E-06	2.43E-07	1.54E-06	2.38E-07	2.29E-07	3.55E-06
1222	489885.89	3858926.54	1.12E-02	1.14E-02	1.14E-02	3.87E-06	1.17E-05	6.76E-06	6.90E-06	6.26E-06	2.85E-06	2.85E-06	0.00E+00	0.00E+00	1.24E-06	2.34E-07	1.49E-06	2.29E-07	2.21E-07	3.42E-06
1223	489935.89	3858926.54	1.08E-02	1.10E-02	1.10E-02	3.72E-06	1.12E-05	6.51E-06	6.64E-06	6.02E-06	2.75E-06	2.74E-06	0.00E+00	0.00E+00	1.20E-06	2.25E-07	1.43E-06	2.21E-07	2.13E-07	3.29E-06
1224	489985.89	3858926.54	1.03E-02	1.06E-02	1.05E-02	3.58E-06	1.08E-05	6.26E-06	6.39E-06	5.79E-06	2.64E-06	2.64E-06	0.00E+00	0.00E+00	1.15E-06	2.17E-07	1.38E-06	2.12E-07	2.04E-07	3.16E-06
1225	490035.89	3858926.54	9.82E-03	1.00E-02	1.00E-02	3.40E-06	1.03E-05	5.94E-06	6.06E-06	5.50E-06	2.51E-06	2.51E-06	0.00E+00	0.00E+00	1.09E-06	2.06E-07	1.31E-06	2.01E-07	1.94E-07	3.00E-06

1226	489335.89	3858976.54	2.83E-02	2.89E-02	2.88E-02	9.79E-06	2.96E-05	1.71E-05	1.75E-05	1.58E-05	7.22E-06	7.21E-06	0.00E+00	0.00E+00	3.15E-06	5.93E-07	3.76E-06	5.80E-07	5.59E-07	8.64E-06
1227	489385.89	3858976.54	2.54E-02	2.59E-02	2.59E-02	8.78E-06	2.65E-05	1.54E-05	1.57E-05	1.42E-05	6.48E-06	6.47E-06	0.00E+00	0.00E+00	2.82E-06	5.32E-07	3.37E-06	5.20E-07	5.01E-07	7.75E-06
1228	489435.89	3858976.54	2.31E-02	2.35E-02	2.35E-02	7.99E-06	2.41E-05	1.40E-05	1.42E-05	1.29E-05	5.89E-06	5.88E-06	0.00E+00	0.00E+00	2.57E-06	4.83E-07	3.07E-06	4.73E-07	4.56E-07	7.05E-06
1229	489485.89	3858976.54	2.11E-02	2.16E-02	2.16E-02	7.32E-06	2.21E-05	1.28E-05	1.31E-05	1.18E-05	5.40E-06	5.39E-06	0.00E+00	0.00E+00	2.35E-06	4.43E-07	2.81E-06	4.34E-07	4.18E-07	6.46E-06
1230	489535.89	3858976.54	1.95E-02	1.99E-02	1.99E-02	6.76E-06	2.04E-05	1.18E-05	1.21E-05	1.09E-05	4.99E-06	4.98E-06	0.00E+00	0.00E+00	2.17E-06	4.09E-07	2.60E-06	4.00E-07	3.86E-07	5.97E-06
1231	489585.89	3858976.54	1.82E-02	1.86E-02	1.85E-02	6.30E-06	1.90E-05	1.10E-05	1.12E-05	1.02E-05	4.65E-06	4.64E-06	0.00E+00	0.00E+00	2.02E-06	3.81E-07	2.42E-06	3.73E-07	3.59E-07	5.56E-06
1232	489635.89	3858976.54	1.70E-02	1.74E-02	1.74E-02	5.89E-06	1.78E-05	1.03E-05	1.05E-05	9.53E-06	4.35E-06	4.34E-06	0.00E+00	0.00E+00	1.90E-06	3.57E-07	2.26E-06	3.49E-07	3.36E-07	5.20E-06
1233	489685.89	3858976.54	1.60E-02	1.63E-02	1.63E-02	5.54E-06	1.67E-05	9.68E-06	9.88E-06	8.95E-06	4.08E-06	4.08E-06	0.00E+00	0.00E+00	1.78E-06	3.35E-07	2.13E-06	3.28E-07	3.16E-07	4.89E-06
1234	489735.89	3858976.54	1.51E-02	1.54E-02	1.54E-02	5.23E-06	1.58E-05	9.14E-06	9.33E-06	8.46E-06	3.86E-06	3.85E-06	0.00E+00	0.00E+00	1.68E-06	3.17E-07	2.01E-06	3.10E-07	2.99E-07	4.62E-06
1235	489785.89	3858976.54	1.43E-02	1.46E-02	1.46E-02	4.97E-06	1.50E-05	8.68E-06	8.86E-06	8.03E-06	3.66E-06	3.66E-06	0.00E+00	0.00E+00	1.60E-06	3.01E-07	1.91E-06	2.94E-07	2.83E-07	4.38E-06
1236	489835.89	3858976.54	1.37E-02	1.39E-02	1.39E-02	4.73E-06	1.43E-05	8.27E-06	8.43E-06	7.65E-06	3.49E-06	3.48E-06	0.00E+00	0.00E+00	1.52E-06	2.86E-07	1.82E-06	2.80E-07	2.70E-07	4.17E-06
1237	489885.89	3858976.54	1.30E-02	1.33E-02	1.32E-02	4.50E-06	1.36E-05	7.86E-06	8.02E-06	7.27E-06	3.32E-06	3.31E-06	0.00E+00	0.00E+00	1.45E-06	2.72E-07	1.73E-06	2.67E-07	2.57E-07	3.97E-06
1238	489935.89	3858976.54	1.24E-02	1.27E-02	1.27E-02	4.30E-06	1.30E-05	7.52E-06	7.67E-06	6.95E-06	3.17E-06	3.17E-06	0.00E+00	0.00E+00	1.38E-06	2.60E-07	1.65E-06	2.55E-07	2.45E-07	3.80E-06
1239	489985.89	3858976.54	1.19E-02	1.21E-02	1.21E-02	4.12E-06	1.24E-05	7.20E-06	7.35E-06	6.66E-06	3.04E-06	3.04E-06	0.00E+00	0.00E+00	1.32E-06	2.49E-07	1.58E-06	2.44E-07	2.35E-07	3.64E-06
1240	490035.89	3858976.54	1.11E-02	1.13E-02	1.13E-02	3.84E-06	1.16E-05	6.71E-06	6.84E-06	6.20E-06	2.83E-06	2.83E-06	0.00E+00	0.00E+00	1.23E-06	2.32E-07	1.47E-06	2.27E-07	2.19E-07	3.39E-06
1241	489385.89	3859026.54	3.30E-02	3.37E-02	3.37E-02	1.14E-05	3.45E-05	2.00E-05	2.04E-05	1.85E-05	8.44E-06	8.43E-06	0.00E+00	0.00E+00	3.68E-06	6.93E-07	4.39E-06	6.78E-07	6.53E-07	1.01E-05
1242	489435.89	3859026.54	2.94E-02	3.00E-02	3.00E-02	1.02E-05	3.08E-05	1.78E-05	1.82E-05	1.65E-05	7.51E-06	7.50E-06	0.00E+00	0.00E+00	3.27E-06	6.17E-07	3.91E-06	6.03E-07	5.81E-07	8.99E-06
1243	489485.89	3859026.54	2.65E-02	2.71E-02	2.70E-02	9.18E-06	2.77E-05	1.61E-05	1.64E-05	1.48E-05	6.78E-06	6.77E-06	0.00E+00	0.00E+00	2.95E-06	5.56E-07	3.53E-06	5.44E-07	5.24E-07	8.11E-06
1244	489535.89	3859026.54	2.42E-02	2.47E-02	2.47E-02	8.37E-06	2.53E-05	1.46E-05	1.49E-05	1.35E-05	6.18E-06	6.17E-06	0.00E+00	0.00E+00	2.69E-06	5.07E-07	3.22E-06	4.96E-07	4.78E-07	7.39E-06
1245	489585.89	3859026.54	2.22E-02	2.27E-02	2.27E-02	7.69E-06	2.32E-05	1.34E-05	1.37E-05	1.24E-05	5.68E-06	5.67E-06	0.00E+00	0.00E+00	2.47E-06	4.66E-07	2.96E-06	4.56E-07	4.39E-07	6.79E-06
1246	489635.89	3859026.54	2.06E-02	2.10E-02	2.10E-02	7.13E-06	2.15E-05	1.25E-05	1.27E-05	1.15E-05	5.26E-06	5.25E-06	0.00E+00	0.00E+00	2.29E-06	4.32E-07	2.74E-06	4.22E-07	4.07E-07	6.29E-06
1247	489685.89	3859026.54	1.92E-02	1.96E-02	1.96E-02	6.65E-06	2.01E-05	1.16E-05	1.19E-05	1.07E-05	4.90E-06	4.90E-06	0.00E+00	0.00E+00	2.14E-06	4.02E-07	2.55E-06	3.94E-07	3.79E-07	5.87E-06
1248	489735.89	3859026.54	1.80E-02	1.84E-02	1.83E-02	6.23E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.60E-06	4.59E-06	0.00E+00	0.00E+00	2.00E-06	3.77E-07	2.39E-06	3.69E-07	3.56E-07	5.50E-06
1249	489785.89	3859026.54	1.69E-02	1.73E-02	1.73E-02	5.87E-06	1.77E-05	1.03E-05	1.05E-05	9.48E-06	4.33E-06	4.32E-06	0.00E+00	0.00E+00	1.89E-06	3.55E-07	2.25E-06	3.47E-07	3.35E-07	5.18E-06
1250	489835.89	3859026.54	1.60E-02	1.63E-02	1.63E-02	5.53E-06	1.67E-05	9.67E-06	9.86E-06	8.94E-06	4.08E-06	4.07E-06	0.00E+00	0.00E+00	1.78E-06	3.35E-07	2.12E-06	3.28E-07	3.16E-07	4.88E-06
1251	489885.89	3859026.54	1.51E-02	1.54E-02	1.54E-02	5.23E-06	1.58E-05	9.15E-06	9.34E-06	8.46E-06	3.86E-06	3.86E-06	0.00E+00	0.00E+00	1.68E-06	3.17E-07	2.01E-06	3.10E-07	2.99E-07	4.62E-06
1252	489935.89	3859026.54	1.43E-02	1.46E-02	1.46E-02	4.96E-06	1.50E-05	8.68E-06	8.86E-06	8.03E-06	3.66E-06	3.66E-06	0.00E+00	0.00E+00	1.60E-06	3.01E-07	1.91E-06	2.94E-07	2.83E-07	4.38E-06
1253	489985.89	3859026.54	1.36E-02	1.39E-02	1.39E-02	4.72E-06	1.43E-05	8.25E-06	8.42E-06	7.63E-06	3.48E-06	3.48E-06	0.00E+00	0.00E+00	1.52E-06	2.86E-07	1.81E-06	2.80E-07	2.69E-07	4.17E-06
1254	490035.89	3859026.54	1.26E-02	1.28E-02	1.28E-02	4.35E-06	1.31E-05	7.60E-06	7.76E-06	7.03E-06	3.21E-06	3.20E-06	0.00E+00	0.00E+00	1.40E-06	2.63E-07	1.67E-06	2.58E-07	2.48E-07	3.84E-06
1255	489485.89	3859076.54	3.36E-02	3.43E-02	3.42E-02	1.16E-05	3.51E-05	2.03E-05	2.07E-05	1.88E-05	8.57E-06	8.56E-06	0.00E+00	0.00E+00	3.74E-06	7.03E-07	4.46E-06	6.88E-07	6.63E-07	1.03E-05
1256	489535.89	3859076.54	3.01E-02	3.07E-02	3.07E-02	1.04E-05	3.15E-05	1.82E-05	1.86E-05	1.69E-05	7.69E-06	7.68E-06	0.00E+00	0.00E+00	3.35E-06	6.31E-07	4.00E-06	6.17E-07	5.95E-07	9.20E-06
1257	489585.89	3859076.54	2.73E-02	2.79E-02	2.78E-02	9.45E-06	2.85E-05	1.65E-05	1.69E-05	1.53E-05	6.97E-06	6.96E-06	0.00E+00	0.00E+00	3.04E-06	5.72E-07	3.63E-06	5.60E-07	5.39E-07	8.34E-06
1258	489635.89	3859076.54	2.50E-02	2.55E-02	2.55E-02	8.66E-06	2.62E-05	1.51E-05	1.55E-05	1.40E-05	6.39E-06	6.38E-06	0.00E+00	0.00E+00	2.79E-06	5.25E-07	3.33E-06	5.13E-07	4.94E-07	7.65E-06
1259	489685.89	3859076.54	2.31E-02	2.36E-02	2.35E-02	8.00E-06	2.41E-05	1.40E-05	1.43E-05	1.29E-05	5.90E-06	5.89E-06	0.00E+00	0.00E+00	2.57E-06	4.84E-07	3.07E-06	4.74E-07	4.56E-07	7.06E-06
1260	489735.89	3859076.54	2.15E-02	2.19E-02	2.19E-02	7.43E-06	2.24E-05	1.30E-05	1.32E-05	1.20E-05	5.48E-06	5.47E-06	0.00E+00	0.00E+00	2.39E-06	4.50E-07	2.85E-06	4.40E-07	4.24E-07	6.56E-06
1261	489785.89	3859076.54	2.00E-02	2.04E-02	2.04E-02	6.93E-06	2.09E-05	1.21E-05	1.24E-05	1.12E-05	5.12E-06	5.11E-06	0.00E+00	0.00E+00	2.23E-06	4.20E-07	2.66E-06	4.11E-07	3.96E-07	6.12E-06
1262	489835.89	3859076.54	1.88E-02	1.91E-02	1.91E-02	6.49E-06	1.96E-05	1.13E-05	1.16E-05	1.05E-05	4.79E-06	4.78E-06	0.00E+00	0.00E+00	2.09E-06	3.93E-07	2.49E-06	3.85E-07	3.70E-07	5.73E-06
1263	489885.89	3859076.54	1.76E-02	1.80E-02	1.80E-02	6.10E-06	1.84E-05	1.07E-05	1.09E-05	9.86E-06	4.50E-06	4.50E-06	0.00E+00	0.00E+00	1.96E-06	3.69E-07	2.34E-06	3.61E-07	3.48E-07	5.38E-06
1264	489935.89	3859076.54	1.66E-02	1.70E-02	1.70E-02	5.76E-06	1.74E-05	1.01E-05	1.03E-05	9.31E-06	4.25E-06	4.24E-06	0.00E+00	0.00E+00	1.85E-06	3.49E-07	2.21E-06	3.41E-07	3.29E-07	5.08E-06
1265	489985.89	3859076.54	1.57E-02	1.60E-02	1.60E-02	5.43E-06	1.64E-05	9.50E-06	9.69E-06	8.78E-06	4.01E-06	4.00E-06	0.00E+00	0.00E+00	1.75E-06	3.29E-07	2.09E-06	3.22E-07	3.10E-07	4.80E-06
1266	490035.89	3859076.54	1.44E-02	1.47E-02	1.47E-02	5.00E-06	1.51E-05	8.74E-06	8.92E-06	8.08E-06	3.69E-06	3.68E-06	0.00E+00	0.00E+00	1.61E-06	3.03E-07	1.92E-06	2.96E-07	2.85E-07	4.41E-06
1267	489585.89	3859126.54	3.41E-02	3.48E-02	3.48E-02	1.18E-05	3.57E-05	2.06E-05	2.11E-05	1.91E-05	8.71E-06	8.70E-06	0.00E+00	0.00E+00	3.80E-06	7.15E-07	4.54E-06	7.00E-07	6.74E-07	1.04E-05
1268	489635.89	3859126.54	3.08E-02	3.14E-02	3.14E-02	1.07E-05	3.22E-05	1.86E-05	1.90E-05	1.72E-05	7.86E-06	7.85E-06	0.00E+00	0.00E+00	3.43E-06	6.45E-07	4.09E-06	6.31E-07	6.08E-07	9.40E-06
1269	489685.89	3859126.54	2.80E-02	2.86E-02	2.86E-02	9.70E-06	2.93E-05	1.70E-05	1.73E-05	1.57E-05	7.16E-06	7.15E-06	0.00E+00	0.00E+00	3.12E-06	5.87E-07	3.73E-06	5.75E-07	5.54E-07	8.56E-06
1270	489735.89	3859126.54	2.57E-02	2.63E-02	2.62E-02	8.91E-06	2.69E-05	1.56E-05	1.59E-05	1.44E-05	6.57E-06	6.56E-06	0.00E+00	0.00E+00	2.86E-06	5.39E-07	3.42E-06	5.28E-07	5.08E-07	7.86E-06
1271	489785.89	3859126.54	2.38E-02	2.43E-02	2.43E-02	8.24E-06	2.49E-05	1.44E-05	1.47E-05	1.33E-05	6.08E-06	6.07E-06	0.00E+00	0.00E+00	2.65E-06	4.99E-07	3.16E-06	4.88E-07	4.70E-07	7.27E-06
1272	489835.89	3859126.54	2.21E-02	2.25E-02	2.25E-02	7.65E-06	2.31E-05	1.34E-05	1.36E-05	1.24E-05	5.64E-06	5.64E-06	0.00E+00	0.00E+00	2.46E-06	4.63E-07	2.94E-06	4.53E-07	4.36E-07	6.75E-06
1273	489885.89	3859126.54	2.06E-02	2.10E-02	2.10E-02	7.13E-06	2.15E-05	1.25E-05	1.27E-05	1.15E-05	5.26E-06	5.25E-06	0.00E+00	0.00E+00	2.29E-06	4.31E-07	2.74E-06	4.22E-07	4.07E-07	6.29E-06
1274	489935.89	3859126.54	1.93E-02	1.97E-02	1.97E-02	6.68E-06	2.02E-05	1.17E-05	1.19E-05	1.08E-05	4.93E-06	4.92E-06	0.00E+00	0.00E+00	2.15E-06	4.04E-07	2.57E-06	3.96E-07	3.81E-07	5.90E-06
1275	489985.89	3859126.54	1.80E-02	1.84E-02	1.83E-02	6.23E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.59E-06	4.59E-06	0.00E+00	0.00E+00	2.00E-06	3.77E-07	2.39E-06	3.69E-07	3.55E-07	5.50E-06
1276	490035.89	3859126.54	1.67E-02	1.70E-02	1.70E-02	5.77E-06	1.74E-05	1.01E-05	1.03E-05	9.32E-06	4.25E-06	4.25E-06	0.00E+00	0.00E+00	1.85E-06	3.49E-07	2.21E-06	3.42E-07	3.29E-07	5.09E-06
1277	489585.89	3859176.54	4.39E-02	4.48E-02	4.48E-02	1.52E-05	4.59E-05	2.66E-05	2.71E-05	2.46E-05	1.12E-05	1.12E-05	0.00E+00	0.00E+00	4.89E-06	9.21E-07	5.84E-06	9.01E-07	8.68E-07	1.34E-05
1278	489635.89	3859176.54	3.87E-02	3.95E-02	3.95E-02	1.34E-05	4.05E-05	2.34E-05	2.39E-05	2.17E-05	9.89E-06	9.87E-06	0.00E+00	0.00E+00	4.31E-06	8.11E-07	5.15E-06	7.94E-07	7.65E-07	1.18E-05
1279	489685.89	3859176.54	3.46E-02	3.53E-02	3.53E-02	1.20E-05	3.62E-05	2.09E-05	2.14E-05	1.94E-05	8.84E-06	8.83E-06	0.00E+00	0.00E+00	3.85E-06	7.25E-07	4.60E-06	7.10E-07	6.84E-07	1.06E-05
1280	489735.89	3859176.54	3.13E-02	3.19E-02	3.19E-02	1.08E-05	3.27E-05	1.89E-05	1.93E-05	1.75E-05	8.00E-06	7.99E-06	0.00E+00	0.00E+00	3.49E-06	6.56E-07	4.16E-06	6.42E-07	6.18E-07	9.56E-06
1281	489785.89	3859176.54	2.85E-02	2.91E-02	2.91E-02	9.88E-06	2.98E-05	1.73E-05	1.76E-05	1.60E-05	7.29E-06	7.28E-06	0.00E+00	0.00E+00	3.18E-06	5.98E-07	3.80E-06	5.85E-07	5.64E-07	8.72E-06

1282	489835.89	3859176.54	2.62E-02	2.68E-02	2.67E-02	9.08E-06	2.74E-05	1.59E-05	1.62E-05	1.47E-05	6.70E-06	6.69E-06	0.00E+00	0.00E+00	2.92E-06	5.50E-07	3.49E-06	5.38E-07	5.18E-07	8.01E-06
1283	489885.89	3859176.54	2.42E-02	2.47E-02	2.47E-02	8.39E-06	2.53E-05	1.47E-05	1.50E-05	1.36E-05	6.19E-06	6.18E-06	0.00E+00	0.00E+00	2.70E-06	5.08E-07	3.22E-06	4.97E-07	4.79E-07	7.40E-06
1284	489935.89	3859176.54	2.25E-02	2.30E-02	2.29E-02	7.79E-06	2.35E-05	1.36E-05	1.39E-05	1.26E-05	5.75E-06	5.74E-06	0.00E+00	0.00E+00	2.51E-06	4.72E-07	2.99E-06	4.62E-07	4.45E-07	6.88E-06
1285	489985.89	3859176.54	2.08E-02	2.13E-02	2.12E-02	7.21E-06	2.18E-05	1.26E-05	1.29E-05	1.17E-05	5.32E-06	5.31E-06	0.00E+00	0.00E+00	2.32E-06	4.37E-07	2.77E-06	4.27E-07	4.12E-07	6.37E-06
1286	490035.89	3859176.54	1.95E-02	1.99E-02	1.99E-02	6.76E-06	2.04E-05	1.18E-05	1.21E-05	1.09E-05	4.99E-06	4.98E-06	0.00E+00	0.00E+00	2.18E-06	4.10E-07	2.60E-06	4.01E-07	3.86E-07	5.97E-06
1287	489685.89	3859226.54	4.40E-02	4.49E-02	4.49E-02	1.52E-05	4.60E-05	2.66E-05	2.72E-05	2.46E-05	1.12E-05	1.12E-05	0.00E+00	0.00E+00	4.90E-06	9.23E-07	5.86E-06	9.03E-07	8.70E-07	1.35E-05
1288	489735.89	3859226.54	3.89E-02	3.97E-02	3.97E-02	1.35E-05	4.07E-05	2.36E-05	2.40E-05	2.18E-05	9.94E-06	9.93E-06	0.00E+00	0.00E+00	4.33E-06	8.16E-07	5.18E-06	7.98E-07	7.69E-07	1.19E-05
1289	489785.89	3859226.54	3.49E-02	3.56E-02	3.55E-02	1.21E-05	3.64E-05	2.11E-05	2.15E-05	1.95E-05	8.91E-06	8.90E-06	0.00E+00	0.00E+00	3.88E-06	7.31E-07	4.64E-06	7.15E-07	6.89E-07	1.07E-05
1290	489835.89	3859226.54	3.15E-02	3.22E-02	3.21E-02	1.09E-05	3.30E-05	1.91E-05	1.95E-05	1.76E-05	8.05E-06	8.04E-06	0.00E+00	0.00E+00	3.51E-06	6.61E-07	4.19E-06	6.47E-07	6.23E-07	9.63E-06
1291	489885.89	3859226.54	2.88E-02	2.94E-02	2.93E-02	9.97E-06	3.01E-05	1.74E-05	1.78E-05	1.61E-05	7.35E-06	7.34E-06	0.00E+00	0.00E+00	3.20E-06	6.03E-07	3.83E-06	5.90E-07	5.69E-07	8.80E-06
1292	489935.89	3859226.54	2.65E-02	2.70E-02	2.70E-02	9.16E-06	2.77E-05	1.60E-05	1.63E-05	1.48E-05	6.76E-06	6.75E-06	0.00E+00	0.00E+00	2.95E-06	5.55E-07	3.52E-06	5.43E-07	5.23E-07	8.09E-06
1293	489985.89	3859226.54	2.42E-02	2.47E-02	2.46E-02	8.36E-06	2.53E-05	1.46E-05	1.49E-05	1.35E-05	6.17E-06	6.16E-06	0.00E+00	0.00E+00	2.69E-06	5.06E-07	3.21E-06	4.95E-07	4.77E-07	7.38E-06
1294	490035.89	3859226.54	2.25E-02	2.30E-02	2.30E-02	7.80E-06	2.36E-05	1.36E-05	1.39E-05	1.26E-05	5.76E-06	5.75E-06	0.00E+00	0.00E+00	2.51E-06	4.72E-07	3.00E-06	4.62E-07	4.45E-07	6.89E-06
1295	489735.89	3859276.54	5.04E-02	5.15E-02	5.14E-02	1.75E-05	5.27E-05	3.05E-05	3.11E-05	2.82E-05	1.29E-05	1.29E-05	0.00E+00	0.00E+00	5.62E-06	1.06E-06	6.71E-06	1.03E-06	9.96E-07	1.54E-05
1296	489785.89	3859276.54	4.39E-02	4.48E-02	4.48E-02	1.52E-05	4.59E-05	2.66E-05	2.71E-05	2.46E-05	1.12E-05	1.12E-05	0.00E+00	0.00E+00	4.89E-06	9.21E-07	5.84E-06	9.01E-07	8.68E-07	1.34E-05
1297	489835.89	3859276.54	3.89E-02	3.96E-02	3.96E-02	1.34E-05	4.06E-05	2.35E-05	2.40E-05	2.17E-05	9.92E-06	9.91E-06	0.00E+00	0.00E+00	4.32E-06	8.14E-07	5.17E-06	7.97E-07	7.67E-07	1.19E-05
1298	489885.89	3859276.54	3.49E-02	3.56E-02	3.55E-02	1.21E-05	3.65E-05	2.11E-05	2.15E-05	1.95E-05	8.91E-06	8.90E-06	0.00E+00	0.00E+00	3.88E-06	7.31E-07	4.64E-06	7.15E-07	6.89E-07	1.07E-05
1299	489935.89	3859276.54	3.16E-02	3.22E-02	3.22E-02	1.09E-05	3.30E-05	1.91E-05	1.95E-05	1.77E-05	8.06E-06	8.05E-06	0.00E+00	0.00E+00	3.51E-06	6.61E-07	4.20E-06	6.47E-07	6.23E-07	9.64E-06
1300	489985.89	3859276.54	2.83E-02	2.89E-02	2.89E-02	9.81E-06	2.96E-05	1.71E-05	1.75E-05	1.59E-05	7.24E-06	7.23E-06	0.00E+00	0.00E+00	3.15E-06	5.94E-07	3.77E-06	5.81E-07	5.60E-07	8.66E-06
1301	490035.89	3859276.54	2.64E-02	2.69E-02	2.69E-02	9.14E-06	2.76E-05	1.60E-05	1.63E-05	1.48E-05	6.74E-06	6.73E-06	0.00E+00	0.00E+00	2.94E-06	5.53E-07	3.51E-06	5.41E-07	5.21E-07	8.07E-06
1302	490458.06	3859590.74	4.46E-02	4.55E-02	4.55E-02	1.54E-05	4.66E-05	2.70E-05	2.76E-05	2.50E-05	1.14E-05	1.14E-05	0.00E+00	0.00E+00	4.97E-06	9.35E-07	5.94E-06	9.15E-07	8.82E-07	1.36E-05
1303	490508.06	3859590.74	3.99E-02	4.07E-02	4.07E-02	1.38E-05	4.17E-05	2.41E-05	2.46E-05	2.23E-05	1.02E-05	1.02E-05	0.00E+00	0.00E+00	4.44E-06	8.36E-07	5.30E-06	8.18E-07	7.88E-07	1.22E-05
1304	490558.06	3859590.74	3.54E-02	3.61E-02	3.61E-02	1.23E-05	3.70E-05	2.14E-05	2.19E-05	1.98E-05	9.04E-06	9.03E-06	0.00E+00	0.00E+00	3.94E-06	7.42E-07	4.71E-06	7.26E-07	6.99E-07	1.08E-05
1305	490608.06	3859590.74	3.19E-02	3.25E-02	3.25E-02	1.10E-05	3.33E-05	1.93E-05	1.97E-05	1.78E-05	8.14E-06	8.13E-06	0.00E+00	0.00E+00	3.55E-06	6.68E-07	4.24E-06	6.53E-07	6.29E-07	9.73E-06
1306	490658.06	3859590.74	2.88E-02	2.94E-02	2.94E-02	9.98E-06	3.01E-05	1.74E-05	1.78E-05	1.61E-05	7.36E-06	7.35E-06	0.00E+00	0.00E+00	3.21E-06	6.04E-07	3.83E-06	5.91E-07	5.69E-07	8.81E-06
1307	490708.06	3859590.74	2.62E-02	2.68E-02	2.67E-02	9.08E-06	2.74E-05	1.59E-05	1.62E-05	1.47E-05	6.70E-06	6.69E-06	0.00E+00	0.00E+00	2.92E-06	5.49E-07	3.49E-06	5.38E-07	5.18E-07	8.01E-06
1308	490758.06	3859590.74	2.38E-02	2.43E-02	2.42E-02	8.24E-06	2.49E-05	1.44E-05	1.47E-05	1.33E-05	6.08E-06	6.07E-06	0.00E+00	0.00E+00	2.65E-06	4.99E-07	3.16E-06	4.88E-07	4.70E-07	7.27E-06
1309	490808.06	3859590.74	2.19E-02	2.24E-02	2.23E-02	7.59E-06	2.29E-05	1.33E-05	1.35E-05	1.23E-05	5.60E-06	5.59E-06	0.00E+00	0.00E+00	2.44E-06	4.59E-07	2.91E-06	4.49E-07	4.33E-07	6.70E-06
1310	490858.06	3859590.74	2.02E-02	2.06E-02	2.06E-02	6.98E-06	2.11E-05	1.22E-05	1.25E-05	1.13E-05	5.15E-06	5.15E-06	0.00E+00	0.00E+00	2.25E-06	4.23E-07	2.68E-06	4.14E-07	3.98E-07	6.16E-06
1311	490458.06	3859640.74	6.23E-02	6.36E-02	6.35E-02	2.16E-05	6.52E-05	3.77E-05	3.85E-05	3.49E-05	1.59E-05	1.59E-05	0.00E+00	0.00E+00	6.94E-06	1.31E-06	8.29E-06	1.28E-06	1.23E-06	1.90E-05
1312	490508.06	3859640.74	5.41E-02	5.52E-02	5.51E-02	1.87E-05	5.65E-05	3.27E-05	3.34E-05	3.03E-05	1.38E-05	1.38E-05	0.00E+00	0.00E+00	6.02E-06	1.13E-06	7.19E-06	1.11E-06	1.07E-06	1.65E-05
1313	490558.06	3859640.74	4.74E-02	4.84E-02	4.83E-02	1.64E-05	4.96E-05	2.87E-05	2.93E-05	2.65E-05	1.21E-05	1.21E-05	0.00E+00	0.00E+00	5.28E-06	9.94E-07	6.31E-06	9.73E-07	9.37E-07	1.45E-05
1314	490608.06	3859640.74	4.14E-02	4.23E-02	4.22E-02	1.43E-05	4.33E-05	2.51E-05	2.56E-05	2.32E-05	1.06E-05	1.06E-05	0.00E+00	0.00E+00	4.61E-06	8.68E-07	5.51E-06	8.50E-07	8.18E-07	1.27E-05
1315	490658.06	3859640.74	3.61E-02	3.68E-02	3.68E-02	1.25E-05	3.77E-05	2.18E-05	2.23E-05	2.02E-05	9.22E-06	9.21E-06	0.00E+00	0.00E+00	4.02E-06	7.56E-07	4.80E-06	7.40E-07	7.13E-07	1.10E-05
1316	490708.06	3859640.74	3.23E-02	3.29E-02	3.29E-02	1.12E-05	3.37E-05	1.95E-05	1.99E-05	1.81E-05	8.24E-06	8.23E-06	0.00E+00	0.00E+00	3.59E-06	6.76E-07	4.29E-06	6.62E-07	6.37E-07	9.86E-06
1317	490758.06	3859640.74	2.89E-02	2.95E-02	2.95E-02	1.00E-05	3.02E-05	1.75E-05	1.79E-05	1.62E-05	7.38E-06	7.38E-06	0.00E+00	0.00E+00	3.22E-06	6.06E-07	3.84E-06	5.93E-07	5.71E-07	8.83E-06
1318	490808.06	3859640.74	2.65E-02	2.70E-02	2.70E-02	9.18E-06	2.77E-05	1.60E-05	1.64E-05	1.48E-05	6.77E-06	6.76E-06	0.00E+00	0.00E+00	2.95E-06	5.55E-07	3.52E-06	5.44E-07	5.24E-07	8.10E-06
1319	490858.06	3859640.74	2.44E-02	2.49E-02	2.49E-02	8.46E-06	2.55E-05	1.48E-05	1.51E-05	1.37E-05	6.24E-06	6.23E-06	0.00E+00	0.00E+00	2.72E-06	5.12E-07	3.25E-06	5.01E-07	4.82E-07	7.46E-06
1320	490608.06	3859690.74	5.76E-02	5.88E-02	5.87E-02	1.99E-05	6.02E-05	3.49E-05	3.56E-05	3.22E-05	1.47E-05	1.47E-05	0.00E+00	0.00E+00	6.41E-06	1.21E-06	7.66E-06	1.18E-06	1.14E-06	1.76E-05
1321	490658.06	3859690.74	4.83E-02	4.93E-02	4.93E-02	1.67E-05	5.05E-05	2.92E-05	2.98E-05	2.70E-05	1.23E-05	1.23E-05	0.00E+00	0.00E+00	5.38E-06	1.01E-06	6.43E-06	9.91E-07	9.55E-07	1.48E-05
1322	490708.06	3859690.74	4.17E-02	4.26E-02	4.25E-02	1.44E-05	4.36E-05	2.52E-05	2.58E-05	2.33E-05	1.07E-05	1.06E-05	0.00E+00	0.00E+00	4.64E-06	8.74E-07	5.55E-06	8.55E-07	8.24E-07	1.27E-05
1323	490758.06	3859690.74	3.64E-02	3.72E-02	3.71E-02	1.26E-05	3.81E-05	2.20E-05	2.25E-05	2.04E-05	9.30E-06	9.29E-06	0.00E+00	0.00E+00	4.06E-06	7.64E-07	4.84E-06	7.47E-07	7.20E-07	1.11E-05
1324	490808.06	3859690.74	3.26E-02	3.33E-02	3.33E-02	1.13E-05	3.41E-05	1.97E-05	2.01E-05	1.83E-05	8.33E-06	8.32E-06	0.00E+00	0.00E+00	3.63E-06	6.84E-07	4.34E-06	6.69E-07	6.45E-07	9.97E-06
1325	490858.06	3859690.74	3.03E-02	3.09E-02	3.08E-02	1.05E-05	3.16E-05	1.83E-05	1.87E-05	1.69E-05	7.73E-06	7.72E-06	0.00E+00	0.00E+00	3.37E-06	6.34E-07	4.02E-06	6.21E-07	5.98E-07	9.25E-06
1326	490708.06	3859740.74	6.04E-02	6.16E-02	6.15E-02	2.09E-05	6.31E-05	3.65E-05	3.73E-05	3.38E-05	1.54E-05	1.54E-05	0.00E+00	0.00E+00	6.72E-06	1.27E-06	8.03E-06	1.24E-06	1.19E-06	1.84E-05
1327	490758.06	3859740.74	5.15E-02	5.26E-02	5.25E-02	1.78E-05	5.38E-05	3.12E-05	3.18E-05	2.88E-05	1.32E-05	1.31E-05	0.00E+00	0.00E+00	5.73E-06	1.08E-06	6.85E-06	1.06E-06	1.02E-06	1.57E-05
1328	490808.06	3859740.74	4.45E-02	4.54E-02	4.54E-02	1.54E-05	4.65E-05	2.69E-05	2.75E-05	2.49E-05	1.14E-05	1.14E-05	0.00E+00	0.00E+00	4.95E-06	9.33E-07	5.92E-06	9.13E-07	8.79E-07	1.36E-05
1329	490858.06	3859740.74	3.96E-02	4.04E-02	4.04E-02	1.37E-05	4.14E-05	2.40E-05	2.45E-05	2.22E-05	1.01E-05	1.01E-05	0.00E+00	0.00E+00	4.41E-06	8.30E-07	5.27E-06	8.12E-07	7.82E-07	1.21E-05
1330	490786.56	3859749.39	5.07E-02	5.18E-02	5.17E-02	1.76E-05	5.30E-05	3.07E-05	3.13E-05	2.84E-05	1.30E-05	1.29E-05	0.00E+00	0.00E+00	5.65E-06	1.06E-06	6.75E-06	1.04E-06	1.00E-06	1.55E-05
1331	490836.56	3859749.39	4.38E-02	4.47E-02	4.47E-02	1.52E-05	4.58E-05	2.65E-05	2.71E-05	2.45E-05	1.12E-05	1.12E-05	0.00E+00	0.00E+00	4.88E-06	9.19E-07	5.83E-06	8.99E-07	8.66E-07	1.34E-05
1332	490786.56	3859799.39	7.95E-02	8.12E-02	8.11E-02	2.75E-05	8.31E-05	4.81E-05	4.91E-05	4.45E-05	2.03E-05	2.03E-05	0.00E+00	0.00E+00	8.85E-06	1.67E-06	1.06E-05	1.63E-06	1.57E-06	2.43E-05
1333	490836.56	3859799.39	6.54E-02	6.67E-02	6.66E-02	2.26E-05	6.83E-05	3.96E-05	4.04E-05	3.66E-05	1.67E-05	1.67E-05	0.00E+00	0.00E+00	7.28E-06	1.37E-06	8.69E-06	1.34E-06	1.29E-06	2.00E-05
1334	492307.84	3854508.36	9.82E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.94E-07	6.07E-07	5.50E-07	2.51E-07	2.51E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.01E-08	1.94E-08	3.00E-07
1335	486445.7	3854753.6	1.22E-03	1.25E-03	1.25E-03	4.24E-07	1.28E-06	7.41E-07	7.56E-07	6.85E-07	3.13E-07	3.12E-07	0.00E+00	0.00E+00	1.36E-07	2.57E-08	1.63E-07	2.51E-08	2.42E-08	3.74E-07
1336	472599.75	3877830.11	7.87E-05	8.03E-05	8.02E-05	2.72E-08	8.22E-08	4.76E-08	4.86E-08	4.40E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	8.76E-09	1.65E-09	1.05E-08	1.61E-09	1.55E-09	2.40E-08
1337	493107.48	3866840.19	2.02E-04	2.06E-04	2.06E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.13E-07	5.16E-08	5.16E-08	0.00E+00	0.00E+00	2.25E-08	4.24E-09	2.69E-08	4.15E-09	3.99E-09	6.18E-08

1338	495815.8	3861662.87	1.24E-03	1.27E-03	1.27E-03	4.31E-07	1.30E-06	7.53E-07	7.69E-07	6.97E-07	3.18E-07	3.18E-07	0.00E+00	0.00E+00	1.39E-07	2.61E-08	1.66E-07	2.55E-08	2.46E-08	3.80E-07
1339	480272.33	3841389.2	4.48E-05	4.57E-05	4.56E-05	1.55E-08	4.68E-08	2.71E-08	2.77E-08	2.51E-08	1.14E-08	1.14E-08	0.00E+00	0.00E+00	4.99E-09	9.39E-10	5.96E-09	9.19E-10	8.85E-10	1.37E-08
1340	497005.18	3862813.64	6.96E-04	7.10E-04	7.09E-04	2.41E-07	7.27E-07	4.21E-07	4.30E-07	3.90E-07	1.78E-07	1.78E-07	0.00E+00	0.00E+00	7.75E-08	1.46E-08	9.26E-08	1.43E-08	1.37E-08	2.13E-07
1341	493677.33	3860302.55	5.30E-03	5.40E-03	5.40E-03	1.83E-06	5.53E-06	3.20E-06	3.27E-06	2.96E-06	1.35E-06	1.35E-06	0.00E+00	0.00E+00	5.89E-07	1.11E-07	7.04E-07	1.09E-07	1.05E-07	1.62E-06
1342	493727.33	3860302.55	5.16E-03	5.26E-03	5.26E-03	1.79E-06	5.39E-06	3.12E-06	3.18E-06	2.89E-06	1.32E-06	1.32E-06	0.00E+00	0.00E+00	5.74E-07	1.08E-07	6.86E-07	1.06E-07	1.02E-07	1.58E-06
1343	493777.33	3860302.55	5.02E-03	5.13E-03	5.12E-03	1.74E-06	5.25E-06	3.04E-06	3.10E-06	2.81E-06	1.28E-06	1.28E-06	0.00E+00	0.00E+00	5.59E-07	1.05E-07	6.68E-07	1.03E-07	9.92E-08	1.53E-06
1344	493827.33	3860302.55	4.89E-03	4.99E-03	4.99E-03	1.69E-06	5.12E-06	2.96E-06	3.02E-06	2.74E-06	1.25E-06	1.25E-06	0.00E+00	0.00E+00	5.45E-07	1.03E-07	6.51E-07	1.00E-07	9.67E-08	1.50E-06
1345	493877.33	3860302.55	4.78E-03	4.88E-03	4.87E-03	1.65E-06	5.00E-06	2.89E-06	2.95E-06	2.68E-06	1.22E-06	1.22E-06	0.00E+00	0.00E+00	5.32E-07	1.00E-07	6.36E-07	9.80E-08	9.44E-08	1.46E-06
1346	493927.33	3860302.55	4.67E-03	4.77E-03	4.76E-03	1.62E-06	4.88E-06	2.83E-06	2.88E-06	2.61E-06	1.19E-06	1.19E-06	0.00E+00	0.00E+00	5.20E-07	9.79E-08	6.21E-07	9.58E-08	9.23E-08	1.43E-06
1347	493977.33	3860302.55	4.53E-03	4.63E-03	4.62E-03	1.57E-06	4.74E-06	2.74E-06	2.80E-06	2.54E-06	1.16E-06	1.16E-06	0.00E+00	0.00E+00	5.05E-07	9.50E-08	6.03E-07	9.30E-08	8.95E-08	1.39E-06
1348	494027.33	3860302.55	4.41E-03	4.51E-03	4.50E-03	1.53E-06	4.61E-06	2.67E-06	2.73E-06	2.47E-06	1.13E-06	1.13E-06	0.00E+00	0.00E+00	4.91E-07	9.25E-08	5.87E-07	9.05E-08	8.72E-08	1.35E-06
1349	493677.33	3860352.55	5.22E-03	5.33E-03	5.32E-03	1.81E-06	5.46E-06	3.16E-06	3.22E-06	2.92E-06	1.33E-06	1.33E-06	0.00E+00	0.00E+00	5.81E-07	1.09E-07	6.94E-07	1.07E-07	1.03E-07	1.59E-06
1350	493727.33	3860352.55	5.09E-03	5.19E-03	5.19E-03	1.76E-06	5.32E-06	3.08E-06	3.14E-06	2.85E-06	1.30E-06	1.30E-06	0.00E+00	0.00E+00	5.67E-07	1.07E-07	6.77E-07	1.04E-07	1.01E-07	1.55E-06
1351	493777.33	3860352.55	4.96E-03	5.07E-03	5.06E-03	1.72E-06	5.19E-06	3.00E-06	3.06E-06	2.78E-06	1.27E-06	1.27E-06	0.00E+00	0.00E+00	5.53E-07	1.04E-07	6.60E-07	1.02E-07	9.80E-08	1.52E-06
1352	493827.33	3860352.55	4.84E-03	4.94E-03	4.94E-03	1.68E-06	5.06E-06	2.93E-06	2.99E-06	2.71E-06	1.24E-06	1.24E-06	0.00E+00	0.00E+00	5.39E-07	1.01E-07	6.44E-07	9.93E-08	9.57E-08	1.48E-06
1353	493877.33	3860352.55	4.72E-03	4.82E-03	4.81E-03	1.63E-06	4.94E-06	2.86E-06	2.92E-06	2.64E-06	1.21E-06	1.20E-06	0.00E+00	0.00E+00	5.26E-07	9.90E-08	6.28E-07	9.68E-08	9.33E-08	1.44E-06
1354	493927.33	3860352.55	4.60E-03	4.70E-03	4.69E-03	1.59E-06	4.81E-06	2.78E-06	2.84E-06	2.58E-06	1.18E-06	1.17E-06	0.00E+00	0.00E+00	5.12E-07	9.65E-08	6.12E-07	9.44E-08	9.09E-08	1.41E-06
1355	493977.33	3860352.55	4.48E-03	4.57E-03	4.57E-03	1.55E-06	4.68E-06	2.71E-06	2.77E-06	2.51E-06	1.14E-06	1.14E-06	0.00E+00	0.00E+00	4.99E-07	9.39E-08	5.96E-07	9.19E-08	8.85E-08	1.37E-06
1356	494027.33	3860352.55	4.38E-03	4.47E-03	4.46E-03	1.52E-06	4.58E-06	2.65E-06	2.70E-06	2.45E-06	1.12E-06	1.12E-06	0.00E+00	0.00E+00	4.87E-07	9.18E-08	5.82E-07	8.98E-08	8.65E-08	1.34E-06
1357	493677.33	3860402.55	5.13E-03	5.24E-03	5.23E-03	1.78E-06	5.36E-06	3.10E-06	3.17E-06	2.87E-06	1.31E-06	1.31E-06	0.00E+00	0.00E+00	5.71E-07	1.08E-07	6.82E-07	1.05E-07	1.01E-07	1.57E-06
1358	493727.33	3860402.55	5.00E-03	5.10E-03	5.10E-03	1.73E-06	5.23E-06	3.03E-06	3.09E-06	2.80E-06	1.28E-06	1.28E-06	0.00E+00	0.00E+00	5.57E-07	1.05E-07	6.65E-07	1.03E-07	9.88E-08	1.53E-06
1359	493777.33	3860402.55	4.86E-03	4.96E-03	4.96E-03	1.68E-06	5.08E-06	2.94E-06	3.00E-06	2.72E-06	1.24E-06	1.24E-06	0.00E+00	0.00E+00	5.41E-07	1.02E-07	6.47E-07	9.97E-08	9.61E-08	1.49E-06
1360	493827.33	3860402.55	4.75E-03	4.85E-03	4.84E-03	1.64E-06	4.97E-06	2.88E-06	2.93E-06	2.66E-06	1.21E-06	1.21E-06	0.00E+00	0.00E+00	5.29E-07	9.96E-08	6.32E-07	9.75E-08	9.39E-08	1.45E-06
1361	493877.33	3860402.55	4.64E-03	4.73E-03	4.73E-03	1.61E-06	4.85E-06	2.81E-06	2.86E-06	2.60E-06	1.18E-06	1.18E-06	0.00E+00	0.00E+00	5.16E-07	9.72E-08	6.17E-07	9.51E-08	9.16E-08	1.42E-06
1362	493927.33	3860402.55	4.52E-03	4.61E-03	4.61E-03	1.56E-06	4.72E-06	2.74E-06	2.79E-06	2.53E-06	1.15E-06	1.15E-06	0.00E+00	0.00E+00	5.03E-07	9.47E-08	6.01E-07	9.27E-08	8.93E-08	1.38E-06
1363	493977.33	3860402.55	4.40E-03	4.49E-03	4.49E-03	1.52E-06	4.60E-06	2.66E-06	2.72E-06	2.47E-06	1.12E-06	1.12E-06	0.00E+00	0.00E+00	4.90E-07	9.23E-08	5.86E-07	9.03E-08	8.70E-08	1.35E-06
1364	494027.33	3860402.55	4.31E-03	4.40E-03	4.39E-03	1.49E-06	4.50E-06	2.61E-06	2.66E-06	2.41E-06	1.10E-06	1.10E-06	0.00E+00	0.00E+00	4.80E-07	9.03E-08	5.73E-07	8.84E-08	8.51E-08	1.32E-06
1365	493677.33	3860452.55	5.01E-03	5.11E-03	5.10E-03	1.73E-06	5.23E-06	3.03E-06	3.09E-06	2.80E-06	1.28E-06	1.28E-06	0.00E+00	0.00E+00	5.57E-07	1.05E-07	6.66E-07	1.03E-07	9.89E-08	1.53E-06
1366	493727.33	3860452.55	4.89E-03	4.99E-03	4.99E-03	1.69E-06	5.11E-06	2.96E-06	3.02E-06	2.74E-06	1.25E-06	1.25E-06	0.00E+00	0.00E+00	5.45E-07	1.03E-07	6.51E-07	1.00E-07	9.66E-08	1.49E-06
1367	493777.33	3860452.55	4.77E-03	4.87E-03	4.86E-03	1.65E-06	4.99E-06	2.89E-06	2.95E-06	2.67E-06	1.22E-06	1.22E-06	0.00E+00	0.00E+00	5.31E-07	1.00E-07	6.35E-07	9.79E-08	9.43E-08	1.46E-06
1368	493827.33	3860452.55	4.65E-03	4.75E-03	4.74E-03	1.61E-06	4.86E-06	2.81E-06	2.87E-06	2.60E-06	1.19E-06	1.19E-06	0.00E+00	0.00E+00	5.18E-07	9.75E-08	6.19E-07	9.54E-08	9.19E-08	1.42E-06
1369	493877.33	3860452.55	4.54E-03	4.63E-03	4.62E-03	1.57E-06	4.74E-06	2.75E-06	2.80E-06	2.54E-06	1.16E-06	1.16E-06	0.00E+00	0.00E+00	5.05E-07	9.51E-08	6.03E-07	9.30E-08	8.96E-08	1.39E-06
1370	493927.33	3860452.55	4.42E-03	4.51E-03	4.50E-03	1.53E-06	4.62E-06	2.67E-06	2.73E-06	2.47E-06	1.13E-06	1.13E-06	0.00E+00	0.00E+00	4.92E-07	9.26E-08	5.87E-07	9.06E-08	8.72E-08	1.35E-06
1371	493977.33	3860452.55	4.32E-03	4.41E-03	4.40E-03	1.49E-06	4.51E-06	2.61E-06	2.67E-06	2.42E-06	1.10E-06	1.10E-06	0.00E+00	0.00E+00	4.81E-07	9.05E-08	5.74E-07	8.85E-08	8.53E-08	1.32E-06
1372	494027.33	3860452.55	4.22E-03	4.31E-03	4.30E-03	1.46E-06	4.41E-06	2.55E-06	2.61E-06	2.36E-06	1.08E-06	1.08E-06	0.00E+00	0.00E+00	4.70E-07	8.85E-08	5.62E-07	8.66E-08	8.34E-08	1.29E-06
1373	493677.33	3860502.55	4.87E-03	4.97E-03	4.96E-03	1.69E-06	5.09E-06	2.95E-06	3.01E-06	2.72E-06	1.24E-06	1.24E-06	0.00E+00	0.00E+00	5.42E-07	1.02E-07	6.47E-07	9.98E-08	9.62E-08	1.49E-06
1374	493727.33	3860502.55	4.75E-03	4.85E-03	4.84E-03	1.65E-06	4.97E-06	2.88E-06	2.93E-06	2.66E-06	1.21E-06	1.21E-06	0.00E+00	0.00E+00	5.29E-07	9.96E-08	6.32E-07	9.75E-08	9.39E-08	1.45E-06
1375	493777.33	3860502.55	4.64E-03	4.73E-03	4.73E-03	1.61E-06	4.85E-06	2.81E-06	2.86E-06	2.60E-06	1.18E-06	1.18E-06	0.00E+00	0.00E+00	5.16E-07	9.72E-08	6.17E-07	9.51E-08	9.16E-08	1.42E-06
1376	493827.33	3860502.55	4.53E-03	4.62E-03	4.62E-03	1.57E-06	4.74E-06	2.74E-06	2.80E-06	2.54E-06	1.16E-06	1.16E-06	0.00E+00	0.00E+00	5.04E-07	9.50E-08	6.03E-07	9.29E-08	8.95E-08	1.38E-06
1377	493877.33	3860502.55	4.42E-03	4.51E-03	4.51E-03	1.53E-06	4.62E-06	2.68E-06	2.73E-06	2.48E-06	1.13E-06	1.13E-06	0.00E+00	0.00E+00	4.92E-07	9.27E-08	5.88E-07	9.07E-08	8.74E-08	1.35E-06
1378	493927.33	3860502.55	4.32E-03	4.40E-03	4.40E-03	1.49E-06	4.51E-06	2.61E-06	2.66E-06	2.42E-06	1.10E-06	1.10E-06	0.00E+00	0.00E+00	4.80E-07	9.04E-08	5.74E-07	8.85E-08	8.52E-08	1.32E-06
1379	493977.33	3860502.55	4.22E-03	4.31E-03	4.30E-03	1.46E-06	4.41E-06	2.55E-06	2.61E-06	2.36E-06	1.08E-06	1.08E-06	0.00E+00	0.00E+00	4.70E-07	8.85E-08	5.61E-07	8.66E-08	8.34E-08	1.29E-06
1380	494027.33	3860502.55	4.13E-03	4.21E-03	4.21E-03	1.43E-06	4.32E-06	2.50E-06	2.55E-06	2.31E-06	1.05E-06	1.05E-06	0.00E+00	0.00E+00	4.60E-07	8.65E-08	5.49E-07	8.47E-08	8.16E-08	1.26E-06
1381	493627.33	3860552.55	4.83E-03	4.93E-03	4.92E-03	1.67E-06	5.05E-06	2.92E-06	2.98E-06	2.70E-06	1.23E-06	1.23E-06	0.00E+00	0.00E+00	5.37E-07	1.01E-07	6.42E-07	9.90E-08	9.54E-08	1.48E-06
1382	493677.33	3860552.55	4.71E-03	4.81E-03	4.80E-03	1.63E-06	4.92E-06	2.85E-06	2.91E-06	2.64E-06	1.20E-06	1.20E-06	0.00E+00	0.00E+00	5.24E-07	9.87E-08	6.26E-07	9.66E-08	9.30E-08	1.44E-06
1383	493727.33	3860552.55	4.60E-03	4.69E-03	4.69E-03	1.59E-06	4.81E-06	2.78E-06	2.84E-06	2.57E-06	1.17E-06	1.17E-06	0.00E+00	0.00E+00	5.12E-07	9.64E-08	6.11E-07	9.43E-08	9.08E-08	1.40E-06
1384	493777.33	3860552.55	4.49E-03	4.58E-03	4.58E-03	1.56E-06	4.70E-06	2.72E-06	2.77E-06	2.51E-06	1.15E-06	1.15E-06	0.00E+00	0.00E+00	5.00E-07	9.41E-08	5.97E-07	9.21E-08	8.87E-08	1.37E-06
1385	493827.33	3860552.55	4.39E-03	4.48E-03	4.48E-03	1.52E-06	4.59E-06	2.66E-06	2.71E-06	2.46E-06	1.12E-06	1.12E-06	0.00E+00	0.00E+00	4.89E-07	9.20E-08	5.84E-07	9.01E-08	8.67E-08	1.34E-06
1386	493877.33	3860552.55	4.29E-03	4.38E-03	4.38E-03	1.49E-06	4.49E-06	2.60E-06	2.65E-06	2.40E-06	1.10E-06	1.10E-06	0.00E+00	0.00E+00	4.78E-07	9.00E-08	5.71E-07	8.81E-08	8.48E-08	1.31E-06
1387	493927.33	3860552.55	4.20E-03	4.28E-03	4.28E-03	1.45E-06	4.39E-06	2.54E-06	2.59E-06	2.35E-06	1.07E-06	1.07E-06	0.00E+00	0.00E+00	4.67E-07	8.80E-08	5.58E-07	8.61E-08	8.29E-08	1.28E-06
1388	493977.33	3860552.55	4.11E-03	4.19E-03	4.19E-03	1.42E-06	4.29E-06	2.48E-06	2.54E-06	2.30E-06	1.05E-06	1.05E-06	0.00E+00	0.00E+00	4.57E-07	8.61E-08	5.46E-07	8.42E-08	8.11E-08	1.25E-06
1389	494027.33	3860552.55	4.02E-03	4.10E-03	4.10E-03	1.39E-06	4.20E-06	2.43E-06	2.48E-06	2.25E-06	1.03E-06	1.03E-06	0.00E+00	0.00E+00	4.48E-07	8.43E-08	5.35E-07	8.25E-08	7.94E-08	1.23E-06
1390	493627.33	3860602.55	4.64E-03	4.74E-03	4.73E-03	1.61E-06	4.85E-06	2.81E-06	2.87E-06	2.60E-06	1.19E-06	1.18E-06	0.00E+00	0.00E+00	5.17E-07	9.73E-08	6.18E-07	9.52E-08	9.17E-08	1.42E-06
1391	493727.33	3860602.55	4.42E-03	4.51E-03	4.50E-03	1.53E-06	4.62E-06	2.67E-06	2.73E-06	2.47E-06	1.13E-06	1.13E-06	0.00E+00	0.00E+00	4.92E-07	9.26E-08	5.88E-07	9.06E-08	8.73E-08	1.35E-06
1392	493777.33	3860602.55	4.33E-03	4.42E-03	4.41E-03	1.50E-06	4.52E-06	2.62E-06	2.67E-06	2.42E-06	1.11E-06	1.10E-06	0.00E+00	0.00E+00	4.82E-07	9.07E-08	5.76E-07	8.88E-08	8.55E-08	1.32E-06
1393	493827.33	3860602.55	4.24E-03	4.32E-03	4.32E-03	1.47E-06	4.43E-06	2.56E-06	2.62E-06	2.37E-06	1.08E-06	1.08E-06	0.00E+00	0.00E+00	4.71E-07	8.88E-08	5.63E-07	8.69E-08	8.37E-08	1.29E-06

1394	493877.33	3860602.55	4.15E-03	4.24E-03	4.23E-03	1.44E-06	4.34E-06	2.51E-06	2.56E-06	2.32E-06	1.06E-06	1.06E-06	0.00E+00	0.00E+00	4.62E-07	8.70E-08	5.52E-07	8.51E-08	8.20E-08	1.27E-06
1395	493927.33	3860602.55	4.06E-03	4.15E-03	4.14E-03	1.41E-06	4.25E-06	2.46E-06	2.51E-06	2.27E-06	1.04E-06	1.04E-06	0.00E+00	0.00E+00	4.52E-07	8.52E-08	5.40E-07	8.33E-08	8.03E-08	1.24E-06
1396	493977.33	3860602.55	3.98E-03	4.06E-03	4.06E-03	1.38E-06	4.16E-06	2.41E-06	2.46E-06	2.23E-06	1.02E-06	1.02E-06	0.00E+00	0.00E+00	4.43E-07	8.34E-08	5.29E-07	8.16E-08	7.86E-08	1.22E-06
1397	494027.33	3860602.55	3.90E-03	3.98E-03	3.98E-03	1.35E-06	4.08E-06	2.36E-06	2.41E-06	2.18E-06	9.96E-07	9.95E-07	0.00E+00	0.00E+00	4.34E-07	8.18E-08	5.19E-07	8.00E-08	7.71E-08	1.19E-06
1398	493627.33	3860652.55	4.45E-03	4.54E-03	4.53E-03	1.54E-06	4.65E-06	2.69E-06	2.75E-06	2.49E-06	1.14E-06	1.13E-06	0.00E+00	0.00E+00	4.95E-07	9.32E-08	5.91E-07	9.12E-08	8.78E-08	1.36E-06
1399	493727.33	3860652.55	4.24E-03	4.32E-03	4.32E-03	1.47E-06	4.43E-06	2.56E-06	2.62E-06	2.37E-06	1.08E-06	1.08E-06	0.00E+00	0.00E+00	4.72E-07	8.88E-08	5.64E-07	8.69E-08	8.37E-08	1.29E-06
1400	493777.33	3860652.55	4.15E-03	4.24E-03	4.23E-03	1.44E-06	4.34E-06	2.51E-06	2.56E-06	2.32E-06	1.06E-06	1.06E-06	0.00E+00	0.00E+00	4.62E-07	8.70E-08	5.52E-07	8.51E-08	8.20E-08	1.27E-06
1401	493827.33	3860652.55	4.07E-03	4.16E-03	4.15E-03	1.41E-06	4.26E-06	2.46E-06	2.51E-06	2.28E-06	1.04E-06	1.04E-06	0.00E+00	0.00E+00	4.53E-07	8.54E-08	5.42E-07	8.35E-08	8.04E-08	1.24E-06
1402	493877.33	3860652.55	3.99E-03	4.08E-03	4.07E-03	1.38E-06	4.18E-06	2.42E-06	2.47E-06	2.24E-06	1.02E-06	1.02E-06	0.00E+00	0.00E+00	4.45E-07	8.37E-08	5.31E-07	8.19E-08	7.89E-08	1.22E-06
1403	493927.33	3860652.55	3.92E-03	4.00E-03	3.99E-03	1.36E-06	4.09E-06	2.37E-06	2.42E-06	2.19E-06	1.00E-06	9.99E-07	0.00E+00	0.00E+00	4.36E-07	8.21E-08	5.21E-07	8.03E-08	7.74E-08	1.20E-06
1404	493977.33	3860652.55	3.84E-03	3.92E-03	3.91E-03	1.33E-06	4.01E-06	2.32E-06	2.37E-06	2.15E-06	9.81E-07	9.80E-07	0.00E+00	0.00E+00	4.28E-07	8.05E-08	5.11E-07	7.88E-08	7.59E-08	1.17E-06
1405	494027.33	3860652.55	3.77E-03	3.85E-03	3.84E-03	1.31E-06	3.94E-06	2.28E-06	2.33E-06	2.11E-06	9.63E-07	9.62E-07	0.00E+00	0.00E+00	4.20E-07	7.90E-08	5.02E-07	7.73E-08	7.45E-08	1.15E-06
1406	494311.06	3858401.99	9.74E-04	9.94E-04	9.93E-04	3.37E-07	1.02E-06	5.89E-07	6.01E-07	5.45E-07	2.49E-07	2.48E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.30E-07	2.00E-08	1.92E-08	2.98E-07
1407	494361.06	3858401.99	9.63E-04	9.82E-04	9.81E-04	3.33E-07	1.01E-06	5.82E-07	5.94E-07	5.39E-07	2.46E-07	2.46E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.97E-08	1.90E-08	2.94E-07
1408	494411.06	3858401.99	9.56E-04	9.75E-04	9.74E-04	3.31E-07	9.99E-07	5.78E-07	5.90E-07	5.35E-07	2.44E-07	2.44E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.89E-08	2.92E-07
1409	494461.06	3858401.99	9.54E-04	9.73E-04	9.72E-04	3.30E-07	9.97E-07	5.77E-07	5.89E-07	5.34E-07	2.44E-07	2.43E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.88E-08	2.91E-07
1410	494511.06	3858401.99	9.46E-04	9.65E-04	9.64E-04	3.27E-07	9.89E-07	5.72E-07	5.84E-07	5.29E-07	2.42E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.87E-08	2.89E-07
1411	494561.06	3858401.99	9.43E-04	9.62E-04	9.61E-04	3.27E-07	9.86E-07	5.71E-07	5.82E-07	5.28E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.25E-07	1.93E-08	1.86E-08	2.88E-07
1412	494611.06	3858401.99	9.35E-04	9.54E-04	9.53E-04	3.24E-07	9.77E-07	5.66E-07	5.77E-07	5.23E-07	2.39E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.85E-08	2.86E-07
1413	494661.06	3858401.99	9.28E-04	9.47E-04	9.46E-04	3.21E-07	9.70E-07	5.61E-07	5.73E-07	5.19E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
1414	494711.06	3858401.99	9.16E-04	9.35E-04	9.34E-04	3.17E-07	9.58E-07	5.54E-07	5.66E-07	5.13E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
1415	494761.06	3858401.99	9.11E-04	9.30E-04	9.29E-04	3.15E-07	9.53E-07	5.51E-07	5.63E-07	5.10E-07	2.33E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
1416	494811.06	3858401.99	9.03E-04	9.21E-04	9.20E-04	3.12E-07	9.43E-07	5.46E-07	5.57E-07	5.05E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.76E-07
1417	494861.06	3858401.99	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.53E-07	5.01E-07	2.29E-07	2.28E-07	0.00E+00	0.00E+00	9.96E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.73E-07
1418	494911.06	3858401.99	8.87E-04	9.05E-04	9.04E-04	3.07E-07	9.27E-07	5.37E-07	5.48E-07	4.97E-07	2.27E-07	2.26E-07	0.00E+00	0.00E+00	9.88E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
1419	494961.06	3858401.99	8.79E-04	8.97E-04	8.96E-04	3.04E-07	9.18E-07	5.32E-07	5.43E-07	4.92E-07	2.24E-07	2.24E-07	0.00E+00	0.00E+00	9.78E-08	1.84E-08	1.17E-07	1.80E-08	1.74E-08	2.68E-07
1420	495011.06	3858401.99	8.67E-04	8.85E-04	8.84E-04	3.00E-07	9.07E-07	5.25E-07	5.36E-07	4.86E-07	2.22E-07	2.21E-07	0.00E+00	0.00E+00	9.66E-08	1.82E-08	1.15E-07	1.78E-08	1.71E-08	2.65E-07
1421	495061.06	3858401.99	8.59E-04	8.76E-04	8.75E-04	2.97E-07	8.98E-07	5.20E-07	5.30E-07	4.81E-07	2.19E-07	2.19E-07	0.00E+00	0.00E+00	9.56E-08	1.80E-08	1.14E-07	1.76E-08	1.70E-08	2.62E-07
1422	495111.06	3858401.99	8.42E-04	8.59E-04	8.58E-04	2.91E-07	8.80E-07	5.09E-07	5.20E-07	4.71E-07	2.15E-07	2.15E-07	0.00E+00	0.00E+00	9.37E-08	1.76E-08	1.12E-07	1.73E-08	1.66E-08	2.57E-07
1423	495161.06	3858401.99	8.39E-04	8.56E-04	8.55E-04	2.91E-07	8.77E-07	5.08E-07	5.18E-07	4.70E-07	2.14E-07	2.14E-07	0.00E+00	0.00E+00	9.34E-08	1.76E-08	1.12E-07	1.72E-08	1.66E-08	2.56E-07
1424	495211.06	3858401.99	8.24E-04	8.41E-04	8.40E-04	2.85E-07	8.61E-07	4.99E-07	5.09E-07	4.61E-07	2.10E-07	2.10E-07	0.00E+00	0.00E+00	9.17E-08	1.73E-08	1.10E-07	1.69E-08	1.63E-08	2.52E-07
1425	495261.06	3858401.99	8.16E-04	8.33E-04	8.32E-04	2.82E-07	8.53E-07	4.94E-07	5.04E-07	4.57E-07	2.08E-07	2.08E-07	0.00E+00	0.00E+00	9.08E-08	1.71E-08	1.09E-07	1.67E-08	1.61E-08	2.49E-07
1426	495311.06	3858401.99	8.07E-04	8.24E-04	8.23E-04	2.79E-07	8.44E-07	4.89E-07	4.98E-07	4.52E-07	2.06E-07	2.06E-07	0.00E+00	0.00E+00	8.99E-08	1.69E-08	1.07E-07	1.66E-08	1.59E-08	2.47E-07
1427	495361.06	3858401.99	8.01E-04	8.18E-04	8.17E-04	2.77E-07	8.38E-07	4.85E-07	4.95E-07	4.49E-07	2.05E-07	2.04E-07	0.00E+00	0.00E+00	8.92E-08	1.68E-08	1.07E-07	1.64E-08	1.58E-08	2.45E-07
1428	495411.06	3858401.99	7.98E-04	8.15E-04	8.14E-04	2.76E-07	8.34E-07	4.83E-07	4.93E-07	4.47E-07	2.04E-07	2.04E-07	0.00E+00	0.00E+00	8.89E-08	1.67E-08	1.06E-07	1.64E-08	1.58E-08	2.44E-07
1429	495461.06	3858401.99	7.96E-04	8.12E-04	8.11E-04	2.76E-07	8.32E-07	4.82E-07	4.91E-07	4.45E-07	2.03E-07	2.03E-07	0.00E+00	0.00E+00	8.86E-08	1.67E-08	1.06E-07	1.63E-08	1.57E-08	2.43E-07
1430	495511.06	3858401.99	7.93E-04	8.09E-04	8.08E-04	2.74E-07	8.28E-07	4.80E-07	4.89E-07	4.44E-07	2.02E-07	2.02E-07	0.00E+00	0.00E+00	8.82E-08	1.66E-08	1.05E-07	1.63E-08	1.57E-08	2.42E-07
1431	495561.06	3858401.99	7.83E-04	7.99E-04	7.98E-04	2.71E-07	8.18E-07	4.74E-07	4.83E-07	4.38E-07	2.00E-07	2.00E-07	0.00E+00	0.00E+00	8.71E-08	1.64E-08	1.04E-07	1.60E-08	1.55E-08	2.39E-07
1432	495611.06	3858401.99	7.79E-04	7.95E-04	7.94E-04	2.70E-07	8.15E-07	4.72E-07	4.81E-07	4.36E-07	1.99E-07	1.99E-07	0.00E+00	0.00E+00	8.68E-08	1.63E-08	1.04E-07	1.60E-08	1.54E-08	2.38E-07
1433	495661.06	3858401.99	7.85E-04	8.01E-04	8.00E-04	2.72E-07	8.21E-07	4.75E-07	4.85E-07	4.40E-07	2.01E-07	2.00E-07	0.00E+00	0.00E+00	8.74E-08	1.65E-08	1.04E-07	1.61E-08	1.55E-08	2.40E-07
1434	494311.06	3858451.99	1.03E-03	1.05E-03	1.05E-03	3.56E-07	1.07E-06	6.22E-07	6.34E-07	5.75E-07	2.62E-07	2.62E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.37E-07	2.11E-08	2.03E-08	3.14E-07
1435	494361.06	3858451.99	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.16E-07	6.28E-07	5.70E-07	2.60E-07	2.60E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.09E-08	2.01E-08	3.11E-07
1436	494411.06	3858451.99	1.01E-03	1.03E-03	1.03E-03	3.50E-07	1.06E-06	6.11E-07	6.24E-07	5.66E-07	2.58E-07	2.58E-07	0.00E+00	0.00E+00	1.12E-07	2.12E-08	1.34E-07	2.07E-08	2.00E-08	3.09E-07
1437	494461.06	3858451.99	1.00E-03	1.02E-03	1.02E-03	3.48E-07	1.05E-06	6.07E-07	6.20E-07	5.62E-07	2.56E-07	2.56E-07	0.00E+00	0.00E+00	1.12E-07	2.10E-08	1.34E-07	2.06E-08	1.98E-08	3.07E-07
1438	494511.06	3858451.99	1.00E-03	1.02E-03	1.02E-03	3.46E-07	1.05E-06	6.05E-07	6.18E-07	5.60E-07	2.56E-07	2.55E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.33E-07	2.05E-08	1.98E-08	3.06E-07
1439	494561.06	3858451.99	9.92E-04	1.01E-03	1.01E-03	3.43E-07	1.04E-06	6.00E-07	6.12E-07	5.55E-07	2.53E-07	2.53E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.03E-08	1.96E-08	3.03E-07
1440	494611.06	3858451.99	9.85E-04	1.00E-03	1.00E-03	3.41E-07	1.03E-06	5.96E-07	6.08E-07	5.51E-07	2.51E-07	2.51E-07	0.00E+00	0.00E+00	1.10E-07	2.06E-08	1.31E-07	2.02E-08	1.95E-08	3.01E-07
1441	494661.06	3858451.99	9.78E-04	9.98E-04	9.96E-04	3.38E-07	1.02E-06	5.92E-07	6.04E-07	5.47E-07	2.50E-07	2.49E-07	0.00E+00	0.00E+00	1.09E-07	2.05E-08	1.30E-07	2.00E-08	1.93E-08	2.99E-07
1442	494711.06	3858451.99	9.67E-04	9.87E-04	9.86E-04	3.35E-07	1.01E-06	5.85E-07	5.97E-07	5.41E-07	2.47E-07	2.47E-07	0.00E+00	0.00E+00	1.08E-07	2.03E-08	1.29E-07	1.98E-08	1.91E-08	2.96E-07
1443	494761.06	3858451.99	9.57E-04	9.76E-04	9.75E-04	3.31E-07	1.00E-06	5.79E-07	5.91E-07	5.35E-07	2.44E-07	2.44E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.27E-07	1.96E-08	1.89E-08	2.92E-07
1444	494811.06	3858451.99	9.49E-04	9.68E-04	9.67E-04	3.28E-07	9.91E-07	5.74E-07	5.86E-07	5.31E-07	2.42E-07	2.42E-07	0.00E+00	0.00E+00	1.06E-07	1.99E-08	1.26E-07	1.95E-08	1.87E-08	2.90E-07
1445	494861.06	3858451.99	9.39E-04	9.58E-04	9.57E-04	3.25E-07	9.81E-07	5.68E-07	5.80E-07	5.25E-07	2.40E-07	2.39E-07	0.00E+00	0.00E+00	1.05E-07	1.97E-08	1.25E-07	1.93E-08	1.85E-08	2.87E-07
1446	494911.06	3858451.99	9.25E-04	9.44E-04	9.43E-04	3.20E-07	9.67E-07	5.60E-07	5.71E-07	5.18E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
1447	494961.06	3858451.99	9.16E-04	9.35E-04	9.34E-04	3.17E-07	9.58E-07	5.54E-07	5.66E-07	5.13E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
1448	495011.06	3858451.99	9.03E-04	9.22E-04	9.21E-04	3.13E-07	9.44E-07	5.47E-07	5.58E-07	5.06E-07	2.31E-07	2.30E-07	0.00E+00	0.00E+00	1.01E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.76E-07
1449	495061.06	3858451.99	8.98E-04	9.16E-04	9.15E-04	3.11E-07	9.38E-07	5.43E-07	5.54E-07	5.03E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.99E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07

1450	495111.06	3858451.99	8.85E-04	9.04E-04	9.02E-04	3.07E-07	9.25E-07	5.36E-07	5.47E-07	4.96E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.86E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
1451	495161.06	3858451.99	8.71E-04	8.89E-04	8.88E-04	3.02E-07	9.11E-07	5.27E-07	5.38E-07	4.88E-07	2.23E-07	2.22E-07	0.00E+00	0.00E+00	9.70E-08	1.83E-08	1.16E-07	1.79E-08	1.72E-08	2.66E-07
1452	495211.06	3858451.99	8.59E-04	8.76E-04	8.75E-04	2.97E-07	8.97E-07	5.20E-07	5.30E-07	4.81E-07	2.19E-07	2.19E-07	0.00E+00	0.00E+00	9.56E-08	1.80E-08	1.14E-07	1.76E-08	1.70E-08	2.62E-07
1453	495261.06	3858451.99	8.50E-04	8.67E-04	8.66E-04	2.94E-07	8.89E-07	5.14E-07	5.25E-07	4.76E-07	2.17E-07	2.17E-07	0.00E+00	0.00E+00	9.46E-08	1.78E-08	1.13E-07	1.74E-08	1.68E-08	2.60E-07
1454	495311.06	3858451.99	8.43E-04	8.61E-04	8.60E-04	2.92E-07	8.81E-07	5.10E-07	5.21E-07	4.72E-07	2.15E-07	2.15E-07	0.00E+00	0.00E+00	9.39E-08	1.77E-08	1.12E-07	1.73E-08	1.67E-08	2.58E-07
1455	495361.06	3858451.99	8.37E-04	8.55E-04	8.54E-04	2.90E-07	8.75E-07	5.07E-07	5.17E-07	4.69E-07	2.14E-07	2.14E-07	0.00E+00	0.00E+00	9.32E-08	1.76E-08	1.11E-07	1.72E-08	1.65E-08	2.56E-07
1456	495411.06	3858451.99	8.34E-04	8.52E-04	8.51E-04	2.89E-07	8.72E-07	5.05E-07	5.15E-07	4.67E-07	2.13E-07	2.13E-07	0.00E+00	0.00E+00	9.29E-08	1.75E-08	1.11E-07	1.71E-08	1.65E-08	2.55E-07
1457	495461.06	3858451.99	8.32E-04	8.49E-04	8.48E-04	2.88E-07	8.70E-07	5.04E-07	5.14E-07	4.66E-07	2.13E-07	2.12E-07	0.00E+00	0.00E+00	9.27E-08	1.74E-08	1.11E-07	1.71E-08	1.64E-08	2.54E-07
1458	495511.06	3858451.99	8.25E-04	8.42E-04	8.41E-04	2.86E-07	8.62E-07	4.99E-07	5.09E-07	4.62E-07	2.11E-07	2.10E-07	0.00E+00	0.00E+00	9.18E-08	1.73E-08	1.10E-07	1.69E-08	1.63E-08	2.52E-07
1459	495561.06	3858451.99	8.26E-04	8.43E-04	8.42E-04	2.86E-07	8.63E-07	5.00E-07	5.10E-07	4.62E-07	2.11E-07	2.11E-07	0.00E+00	0.00E+00	9.19E-08	1.73E-08	1.10E-07	1.69E-08	1.63E-08	2.52E-07
1460	495611.06	3858451.99	8.17E-04	8.33E-04	8.33E-04	2.83E-07	8.54E-07	4.94E-07	5.04E-07	4.57E-07	2.09E-07	2.08E-07	0.00E+00	0.00E+00	9.09E-08	1.71E-08	1.09E-07	1.68E-08	1.61E-08	2.50E-07
1461	495661.06	3858451.99	8.15E-04	8.32E-04	8.31E-04	2.82E-07	8.52E-07	4.93E-07	5.03E-07	4.56E-07	2.08E-07	2.08E-07	0.00E+00	0.00E+00	9.08E-08	1.71E-08	1.08E-07	1.67E-08	1.61E-08	2.49E-07
1462	494311.06	3858501.99	1.07E-03	1.09E-03	1.09E-03	3.70E-07	1.12E-06	6.47E-07	6.60E-07	5.98E-07	2.73E-07	2.73E-07	0.00E+00	0.00E+00	1.19E-07	2.24E-08	1.42E-07	2.19E-08	2.11E-08	3.27E-07
1463	494361.06	3858501.99	1.06E-03	1.08E-03	1.08E-03	3.68E-07	1.11E-06	6.43E-07	6.56E-07	5.95E-07	2.71E-07	2.71E-07	0.00E+00	0.00E+00	1.18E-07	2.23E-08	1.41E-07	2.18E-08	2.10E-08	3.25E-07
1464	494411.06	3858501.99	1.06E-03	1.08E-03	1.08E-03	3.65E-07	1.10E-06	6.39E-07	6.52E-07	5.91E-07	2.70E-07	2.69E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	2.08E-08	3.22E-07
1465	494461.06	3858501.99	1.05E-03	1.07E-03	1.07E-03	3.64E-07	1.10E-06	6.36E-07	6.49E-07	5.89E-07	2.69E-07	2.68E-07	0.00E+00	0.00E+00	1.17E-07	2.20E-08	1.40E-07	2.16E-08	2.08E-08	3.21E-07
1466	494511.06	3858501.99	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.30E-07	6.43E-07	5.83E-07	2.66E-07	2.65E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.38E-07	2.13E-08	2.06E-08	3.18E-07
1467	494561.06	3858501.99	1.04E-03	1.06E-03	1.06E-03	3.61E-07	1.09E-06	6.31E-07	6.44E-07	5.84E-07	2.66E-07	2.66E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	2.06E-08	3.19E-07
1468	494611.06	3858501.99	1.03E-03	1.06E-03	1.05E-03	3.58E-07	1.08E-06	6.26E-07	6.39E-07	5.79E-07	2.64E-07	2.64E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.12E-08	2.04E-08	3.16E-07
1469	494661.06	3858501.99	1.03E-03	1.05E-03	1.05E-03	3.56E-07	1.08E-06	6.22E-07	6.35E-07	5.76E-07	2.63E-07	2.62E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.11E-08	2.03E-08	3.14E-07
1470	494711.06	3858501.99	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.16E-07	6.28E-07	5.69E-07	2.60E-07	2.60E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.09E-08	2.01E-08	3.11E-07
1471	494761.06	3858501.99	1.00E-03	1.03E-03	1.02E-03	3.48E-07	1.05E-06	6.08E-07	6.20E-07	5.62E-07	2.57E-07	2.56E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.06E-08	1.98E-08	3.07E-07
1472	494811.06	3858501.99	9.92E-04	1.01E-03	1.01E-03	3.44E-07	1.04E-06	6.00E-07	6.13E-07	5.55E-07	2.53E-07	2.53E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.04E-08	1.96E-08	3.03E-07
1473	494861.06	3858501.99	9.84E-04	1.00E-03	1.00E-03	3.41E-07	1.03E-06	5.95E-07	6.08E-07	5.51E-07	2.51E-07	2.51E-07	0.00E+00	0.00E+00	1.10E-07	2.06E-08	1.31E-07	2.02E-08	1.94E-08	3.01E-07
1474	494911.06	3858501.99	9.67E-04	9.87E-04	9.86E-04	3.35E-07	1.01E-06	5.85E-07	5.97E-07	5.41E-07	2.47E-07	2.47E-07	0.00E+00	0.00E+00	1.08E-07	2.03E-08	1.29E-07	1.98E-08	1.91E-08	2.95E-07
1475	494961.06	3858501.99	9.59E-04	9.78E-04	9.77E-04	3.32E-07	1.00E-06	5.80E-07	5.92E-07	5.36E-07	2.45E-07	2.45E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.27E-07	1.97E-08	1.89E-08	2.93E-07
1476	495011.06	3858501.99	9.44E-04	9.63E-04	9.62E-04	3.27E-07	9.86E-07	5.71E-07	5.83E-07	5.28E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.25E-07	1.93E-08	1.86E-08	2.88E-07
1477	495061.06	3858501.99	9.38E-04	9.57E-04	9.56E-04	3.25E-07	9.80E-07	5.67E-07	5.79E-07	5.25E-07	2.39E-07	2.39E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.25E-07	1.92E-08	1.85E-08	2.86E-07
1478	495111.06	3858501.99	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.60E-07	5.56E-07	5.67E-07	5.14E-07	2.35E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.81E-07
1479	495161.06	3858501.99	9.06E-04	9.25E-04	9.24E-04	3.14E-07	9.47E-07	5.48E-07	5.60E-07	5.07E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.77E-07
1480	495211.06	3858501.99	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.96E-08	1.87E-08	1.19E-07	1.83E-08	1.77E-08	2.73E-07
1481	495261.06	3858501.99	8.86E-04	9.04E-04	9.03E-04	3.07E-07	9.26E-07	5.36E-07	5.47E-07	4.96E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.86E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
1482	495311.06	3858501.99	8.81E-04	8.99E-04	8.98E-04	3.05E-07	9.21E-07	5.33E-07	5.44E-07	4.93E-07	2.25E-07	2.25E-07	0.00E+00	0.00E+00	9.80E-08	1.85E-08	1.17E-07	1.81E-08	1.74E-08	2.69E-07
1483	495361.06	3858501.99	8.76E-04	8.94E-04	8.93E-04	3.03E-07	9.16E-07	5.30E-07	5.41E-07	4.90E-07	2.24E-07	2.23E-07	0.00E+00	0.00E+00	9.75E-08	1.84E-08	1.16E-07	1.80E-08	1.73E-08	2.68E-07
1484	495411.06	3858501.99	8.72E-04	8.90E-04	8.89E-04	3.02E-07	9.12E-07	5.28E-07	5.39E-07	4.88E-07	2.23E-07	2.23E-07	0.00E+00	0.00E+00	9.71E-08	1.83E-08	1.16E-07	1.79E-08	1.72E-08	2.67E-07
1485	495461.06	3858501.99	8.69E-04	8.87E-04	8.86E-04	3.01E-07	9.09E-07	5.26E-07	5.37E-07	4.87E-07	2.22E-07	2.22E-07	0.00E+00	0.00E+00	9.68E-08	1.82E-08	1.16E-07	1.78E-08	1.72E-08	2.66E-07
1486	495511.06	3858501.99	8.64E-04	8.82E-04	8.81E-04	2.99E-07	9.03E-07	5.23E-07	5.33E-07	4.84E-07	2.21E-07	2.20E-07	0.00E+00	0.00E+00	9.62E-08	1.81E-08	1.15E-07	1.77E-08	1.71E-08	2.64E-07
1487	495561.06	3858501.99	8.64E-04	8.82E-04	8.81E-04	2.99E-07	9.03E-07	5.23E-07	5.33E-07	4.84E-07	2.21E-07	2.20E-07	0.00E+00	0.00E+00	9.62E-08	1.81E-08	1.15E-07	1.77E-08	1.71E-08	2.64E-07
1488	495611.06	3858501.99	8.52E-04	8.70E-04	8.69E-04	2.95E-07	8.91E-07	5.16E-07	5.26E-07	4.77E-07	2.18E-07	2.17E-07	0.00E+00	0.00E+00	9.49E-08	1.79E-08	1.13E-07	1.75E-08	1.68E-08	2.60E-07
1489	495661.06	3858501.99	8.54E-04	8.72E-04	8.71E-04	2.96E-07	8.93E-07	5.17E-07	5.27E-07	4.78E-07	2.18E-07	2.18E-07	0.00E+00	0.00E+00	9.51E-08	1.79E-08	1.14E-07	1.75E-08	1.69E-08	2.61E-07
1490	494311.06	3858551.99	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.59E-07	6.73E-07	6.10E-07	2.78E-07	2.78E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.23E-08	2.15E-08	3.33E-07
1491	494361.06	3858551.99	1.10E-03	1.12E-03	1.12E-03	3.79E-07	1.15E-06	6.63E-07	6.77E-07	6.14E-07	2.80E-07	2.80E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.17E-08	3.35E-07
1492	494411.06	3858551.99	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.71E-07	6.84E-07	6.20E-07	2.83E-07	2.83E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.19E-08	3.39E-07
1493	494461.06	3858551.99	1.11E-03	1.13E-03	1.13E-03	3.83E-07	1.16E-06	6.70E-07	6.84E-07	6.20E-07	2.83E-07	2.82E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.19E-08	3.38E-07
1494	494511.06	3858551.99	1.10E-03	1.12E-03	1.12E-03	3.81E-07	1.15E-06	6.66E-07	6.80E-07	6.16E-07	2.81E-07	2.81E-07	0.00E+00	0.00E+00	1.23E-07	2.31E-08	1.46E-07	2.26E-08	2.18E-08	3.37E-07
1495	494561.06	3858551.99	1.10E-03	1.12E-03	1.12E-03	3.80E-07	1.15E-06	6.64E-07	6.77E-07	6.14E-07	2.80E-07	2.80E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.17E-08	3.35E-07
1496	494611.06	3858551.99	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.59E-07	6.73E-07	6.10E-07	2.78E-07	2.78E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.23E-08	2.15E-08	3.33E-07
1497	494661.06	3858551.99	1.08E-03	1.10E-03	1.10E-03	3.75E-07	1.13E-06	6.55E-07	6.68E-07	6.06E-07	2.76E-07	2.76E-07	0.00E+00	0.00E+00	1.21E-07	2.27E-08	1.44E-07	2.22E-08	2.14E-08	3.31E-07
1498	494711.06	3858551.99	1.07E-03	1.09E-03	1.09E-03	3.70E-07	1.12E-06	6.47E-07	6.60E-07	5.98E-07	2.73E-07	2.73E-07	0.00E+00	0.00E+00	1.19E-07	2.24E-08	1.42E-07	2.19E-08	2.11E-08	3.27E-07
1499	494761.06	3858551.99	1.06E-03	1.08E-03	1.08E-03	3.65E-07	1.10E-06	6.39E-07	6.52E-07	5.91E-07	2.70E-07	2.69E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	2.08E-08	3.22E-07
1500	494811.06	3858551.99	1.05E-03	1.07E-03	1.07E-03	3.62E-07	1.09E-06	6.32E-07	6.45E-07	5.85E-07	2.67E-07	2.67E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	2.06E-08	3.19E-07
1501	494861.06	3858551.99	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.24E-07	6.37E-07	5.77E-07	2.63E-07	2.63E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.11E-08	2.04E-08	3.15E-07
1502	494911.06	3858551.99	1.02E-03	1.04E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.27E-07	5.68E-07	2.59E-07	2.59E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.08E-08	2.01E-08	3.10E-07
1503	494961.06	3858551.99	1.00E-03	1.02E-03	1.02E-03	3.47E-07	1.05E-06	6.07E-07	6.19E-07	5.61E-07	2.56E-07	2.56E-07	0.00E+00	0.00E+00	1.12E-07	2.10E-08	1.33E-07	2.06E-08	1.98E-08	3.06E-07
1504	495011.06	3858551.99	9.87E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.97E-07	6.09E-07	5.52E-07	2.52E-07	2.52E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.31E-07	2.02E-08	1.95E-08	3.01E-07
1505	495061.06	3858551.99	9.77E-04	9.96E-04	9.95E-04	3.38E-07	1.02E-06	5.91E-07	6.03E-07	5.47E-07	2.49E-07	2.49E-07	0.00E+00	0.00E+00	1.09E-07	2.05E-08	1.30E-07	2.00E-08	1.93E-08	2.98E-07

1506	495111.06	3858551.99	9.57E-04	9.76E-04	9.75E-04	3.31E-07	1.00E-06	5.79E-07	5.91E-07	5.35E-07	2.44E-07	2.44E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.27E-07	1.96E-08	1.89E-08	2.92E-07
1507	495161.06	3858551.99	9.44E-04	9.63E-04	9.62E-04	3.27E-07	9.87E-07	5.71E-07	5.83E-07	5.28E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.86E-08	2.88E-07
1508	495211.06	3858551.99	9.33E-04	9.52E-04	9.51E-04	3.23E-07	9.75E-07	5.64E-07	5.76E-07	5.22E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07
1509	495261.06	3858551.99	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.71E-07	5.17E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.82E-07
1510	495311.06	3858551.99	9.20E-04	9.39E-04	9.38E-04	3.19E-07	9.62E-07	5.57E-07	5.68E-07	5.15E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.22E-07	1.89E-08	1.82E-08	2.81E-07
1511	495361.06	3858551.99	9.15E-04	9.34E-04	9.33E-04	3.17E-07	9.56E-07	5.54E-07	5.65E-07	5.12E-07	2.34E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
1512	495411.06	3858551.99	9.12E-04	9.31E-04	9.30E-04	3.16E-07	9.54E-07	5.52E-07	5.63E-07	5.11E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.79E-07
1513	495461.06	3858551.99	9.08E-04	9.26E-04	9.25E-04	3.14E-07	9.49E-07	5.49E-07	5.61E-07	5.08E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.77E-07
1514	495511.06	3858551.99	9.05E-04	9.24E-04	9.23E-04	3.13E-07	9.46E-07	5.48E-07	5.59E-07	5.07E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.20E-07	1.86E-08	1.79E-08	2.77E-07
1515	495561.06	3858551.99	9.00E-04	9.19E-04	9.18E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.75E-07
1516	495611.06	3858551.99	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.53E-07	5.01E-07	2.29E-07	2.28E-07	0.00E+00	0.00E+00	9.96E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.73E-07
1517	495661.06	3858551.99	8.88E-04	9.07E-04	9.05E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.97E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.89E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
1518	494311.06	3858601.99	1.09E-03	1.11E-03	1.11E-03	3.78E-07	1.14E-06	6.61E-07	6.74E-07	6.11E-07	2.79E-07	2.79E-07	0.00E+00	0.00E+00	1.22E-07	2.29E-08	1.45E-07	2.24E-08	2.16E-08	3.34E-07
1519	494361.06	3858601.99	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.84E-07	6.98E-07	6.33E-07	2.89E-07	2.88E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.50E-07	2.32E-08	2.23E-08	3.45E-07
1520	494411.06	3858601.99	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.07E-07	7.22E-07	6.54E-07	2.99E-07	2.98E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.55E-07	2.40E-08	2.31E-08	3.57E-07
1521	494461.06	3858601.99	1.17E-03	1.19E-03	1.19E-03	4.04E-07	1.22E-06	7.06E-07	7.21E-07	6.53E-07	2.98E-07	2.98E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.55E-07	2.39E-08	2.31E-08	3.57E-07
1522	494511.06	3858601.99	1.15E-03	1.18E-03	1.18E-03	3.99E-07	1.21E-06	6.98E-07	7.12E-07	6.45E-07	2.94E-07	2.94E-07	0.00E+00	0.00E+00	1.28E-07	2.42E-08	1.53E-07	2.36E-08	2.28E-08	3.52E-07
1523	494561.06	3858601.99	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.00E-07	7.15E-07	6.48E-07	2.96E-07	2.95E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.37E-08	2.29E-08	3.54E-07
1524	494611.06	3858601.99	1.15E-03	1.17E-03	1.17E-03	3.97E-07	1.20E-06	6.93E-07	7.08E-07	6.41E-07	2.93E-07	2.92E-07	0.00E+00	0.00E+00	1.28E-07	2.40E-08	1.52E-07	2.35E-08	2.26E-08	3.50E-07
1525	494661.06	3858601.99	1.14E-03	1.16E-03	1.16E-03	3.94E-07	1.19E-06	6.88E-07	7.02E-07	6.37E-07	2.90E-07	2.90E-07	0.00E+00	0.00E+00	1.27E-07	2.38E-08	1.51E-07	2.33E-08	2.25E-08	3.47E-07
1526	494711.06	3858601.99	1.12E-03	1.15E-03	1.15E-03	3.89E-07	1.17E-06	6.80E-07	6.94E-07	6.29E-07	2.87E-07	2.87E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.49E-07	2.30E-08	2.22E-08	3.43E-07
1527	494761.06	3858601.99	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.72E-07	6.86E-07	6.21E-07	2.84E-07	2.83E-07	0.00E+00	0.00E+00	1.24E-07	2.33E-08	1.48E-07	2.28E-08	2.19E-08	3.39E-07
1528	494811.06	3858601.99	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.59E-07	6.73E-07	6.10E-07	2.78E-07	2.78E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.23E-08	2.15E-08	3.33E-07
1529	494861.06	3858601.99	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.13E-06	6.53E-07	6.66E-07	6.04E-07	2.75E-07	2.75E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.43E-07	2.21E-08	2.13E-08	3.30E-07
1530	494911.06	3858601.99	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.41E-07	6.54E-07	5.93E-07	2.71E-07	2.70E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.17E-08	2.09E-08	3.24E-07
1531	494961.06	3858601.99	1.05E-03	1.07E-03	1.07E-03	3.62E-07	1.09E-06	6.33E-07	6.46E-07	5.85E-07	2.67E-07	2.67E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	2.07E-08	3.19E-07
1532	495011.06	3858601.99	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.24E-07	6.37E-07	5.77E-07	2.63E-07	2.63E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.12E-08	2.04E-08	3.15E-07
1533	495061.06	3858601.99	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.15E-07	6.28E-07	5.69E-07	2.60E-07	2.59E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.08E-08	2.01E-08	3.11E-07
1534	495111.06	3858601.99	9.95E-04	1.02E-03	1.01E-03	3.44E-07	1.04E-06	6.02E-07	6.14E-07	5.57E-07	2.54E-07	2.54E-07	0.00E+00	0.00E+00	1.11E-07	2.08E-08	1.32E-07	2.04E-08	1.96E-08	3.04E-07
1535	495161.06	3858601.99	9.83E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.95E-07	6.07E-07	5.50E-07	2.51E-07	2.51E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.02E-08	1.94E-08	3.00E-07
1536	495211.06	3858601.99	9.75E-04	9.95E-04	9.93E-04	3.37E-07	1.02E-06	5.90E-07	6.02E-07	5.46E-07	2.49E-07	2.49E-07	0.00E+00	0.00E+00	1.09E-07	2.04E-08	1.30E-07	2.00E-08	1.93E-08	2.98E-07
1537	495261.06	3858601.99	9.66E-04	9.85E-04	9.84E-04	3.34E-07	1.01E-06	5.84E-07	5.96E-07	5.40E-07	2.47E-07	2.46E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.98E-08	1.91E-08	2.95E-07
1538	495311.06	3858601.99	9.59E-04	9.78E-04	9.77E-04	3.32E-07	1.00E-06	5.80E-07	5.92E-07	5.37E-07	2.45E-07	2.45E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.28E-07	1.97E-08	1.89E-08	2.93E-07
1539	495361.06	3858601.99	9.54E-04	9.74E-04	9.73E-04	3.30E-07	9.98E-07	5.77E-07	5.89E-07	5.34E-07	2.44E-07	2.43E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.89E-08	2.92E-07
1540	495411.06	3858601.99	9.50E-04	9.70E-04	9.69E-04	3.29E-07	9.93E-07	5.75E-07	5.87E-07	5.32E-07	2.43E-07	2.42E-07	0.00E+00	0.00E+00	1.06E-07	1.99E-08	1.26E-07	1.95E-08	1.88E-08	2.90E-07
1541	495461.06	3858601.99	9.47E-04	9.66E-04	9.65E-04	3.28E-07	9.90E-07	5.73E-07	5.85E-07	5.30E-07	2.42E-07	2.42E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.87E-08	2.89E-07
1542	495511.06	3858601.99	9.39E-04	9.58E-04	9.57E-04	3.25E-07	9.82E-07	5.68E-07	5.80E-07	5.26E-07	2.40E-07	2.40E-07	0.00E+00	0.00E+00	1.05E-07	1.97E-08	1.25E-07	1.93E-08	1.85E-08	2.87E-07
1543	495561.06	3858601.99	9.37E-04	9.56E-04	9.55E-04	3.24E-07	9.79E-07	5.67E-07	5.79E-07	5.24E-07	2.39E-07	2.39E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.25E-07	1.92E-08	1.85E-08	2.86E-07
1544	495611.06	3858601.99	9.28E-04	9.47E-04	9.46E-04	3.21E-07	9.70E-07	5.62E-07	5.73E-07	5.20E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.23E-07	1.90E-08	1.83E-08	2.84E-07
1545	495661.06	3858601.99	9.25E-04	9.44E-04	9.43E-04	3.20E-07	9.67E-07	5.60E-07	5.71E-07	5.18E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
1546	494311.06	3858651.99	1.13E-03	1.15E-03	1.15E-03	3.90E-07	1.18E-06	6.81E-07	6.95E-07	6.30E-07	2.87E-07	2.87E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.50E-07	2.31E-08	2.22E-08	3.44E-07
1547	494361.06	3858651.99	1.16E-03	1.19E-03	1.19E-03	4.03E-07	1.22E-06	7.04E-07	7.18E-07	6.51E-07	2.97E-07	2.97E-07	0.00E+00	0.00E+00	1.29E-07	2.44E-08	1.55E-07	2.39E-08	2.30E-08	3.55E-07
1548	494411.06	3858651.99	1.21E-03	1.24E-03	1.24E-03	4.20E-07	1.27E-06	7.35E-07	7.50E-07	6.80E-07	3.10E-07	3.10E-07	0.00E+00	0.00E+00	1.35E-07	2.54E-08	1.61E-07	2.49E-08	2.40E-08	3.71E-07
1549	494461.06	3858651.99	1.23E-03	1.25E-03	1.25E-03	4.25E-07	1.28E-06	7.42E-07	7.57E-07	6.86E-07	3.13E-07	3.13E-07	0.00E+00	0.00E+00	1.37E-07	2.57E-08	1.63E-07	2.52E-08	2.42E-08	3.75E-07
1550	494511.06	3858651.99	1.22E-03	1.24E-03	1.24E-03	4.22E-07	1.27E-06	7.38E-07	7.53E-07	6.82E-07	3.11E-07	3.11E-07	0.00E+00	0.00E+00	1.36E-07	2.55E-08	1.62E-07	2.50E-08	2.41E-08	3.72E-07
1551	494561.06	3858651.99	1.21E-03	1.24E-03	1.24E-03	4.20E-07	1.27E-06	7.35E-07	7.50E-07	6.80E-07	3.10E-07	3.10E-07	0.00E+00	0.00E+00	1.35E-07	2.54E-08	1.61E-07	2.49E-08	2.40E-08	3.71E-07
1552	494611.06	3858651.99	1.21E-03	1.23E-03	1.23E-03	4.18E-07	1.26E-06	7.30E-07	7.45E-07	6.76E-07	3.08E-07	3.08E-07	0.00E+00	0.00E+00	1.34E-07	2.53E-08	1.61E-07	2.48E-08	2.38E-08	3.69E-07
1553	494661.06	3858651.99	1.19E-03	1.22E-03	1.22E-03	4.14E-07	1.25E-06	7.23E-07	7.38E-07	6.69E-07	3.05E-07	3.05E-07	0.00E+00	0.00E+00	1.33E-07	2.50E-08	1.59E-07	2.45E-08	2.36E-08	3.65E-07
1554	494711.06	3858651.99	1.18E-03	1.20E-03	1.20E-03	4.08E-07	1.23E-06	7.13E-07	7.28E-07	6.60E-07	3.01E-07	3.01E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.33E-08	3.60E-07
1555	494761.06	3858651.99	1.17E-03	1.19E-03	1.19E-03	4.03E-07	1.22E-06	7.05E-07	7.19E-07	6.52E-07	2.98E-07	2.97E-07	0.00E+00	0.00E+00	1.30E-07	2.44E-08	1.55E-07	2.39E-08	2.30E-08	3.56E-07
1556	494811.06	3858651.99	1.15E-03	1.17E-03	1.17E-03	3.97E-07	1.20E-06	6.93E-07	7.07E-07	6.41E-07	2.93E-07	2.92E-07	0.00E+00	0.00E+00	1.28E-07	2.40E-08	1.52E-07	2.35E-08	2.26E-08	3.50E-07
1557	494861.06	3858651.99	1.13E-03	1.15E-03	1.15E-03	3.90E-07	1.18E-06	6.82E-07	6.96E-07	6.31E-07	2.88E-07	2.88E-07	0.00E+00	0.00E+00	1.26E-07	2.36E-08	1.50E-07	2.31E-08	2.23E-08	3.45E-07
1558	494911.06	3858651.99	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.70E-07	6.84E-07	6.20E-07	2.83E-07	2.83E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.19E-08	3.38E-07
1559	494961.06	3858651.99	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.60E-07	6.73E-07	6.10E-07	2.78E-07	2.78E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.24E-08	2.15E-08	3.33E-07
1560	495011.06	3858651.99	1.08E-03	1.10E-03	1.10E-03	3.72E-07	1.12E-06	6.51E-07	6.64E-07	6.02E-07	2.75E-07	2.74E-07	0.00E+00	0.00E+00	1.20E-07	2.25E-08	1.43E-07	2.21E-08	2.12E-08	3.29E-07
1561	495061.06	3858651.99	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.41E-07	6.54E-07	5.93E-07	2.71E-07	2.70E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.17E-08	2.09E-08	3.24E-07

1562	495111.06	3858651.99	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.30E-07	6.43E-07	5.83E-07	2.66E-07	2.66E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.38E-07	2.13E-08	2.06E-08	3.18E-07
1563	495161.06	3858651.99	1.03E-03	1.05E-03	1.05E-03	3.56E-07	1.08E-06	6.23E-07	6.35E-07	5.76E-07	2.63E-07	2.62E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.11E-08	2.03E-08	3.14E-07
1564	495211.06	3858651.99	1.01E-03	1.04E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.26E-07	5.68E-07	2.59E-07	2.59E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.08E-08	2.00E-08	3.10E-07
1565	495261.06	3858651.99	1.01E-03	1.03E-03	1.03E-03	3.50E-07	1.06E-06	6.11E-07	6.23E-07	5.65E-07	2.58E-07	2.58E-07	0.00E+00	0.00E+00	1.12E-07	2.12E-08	1.34E-07	2.07E-08	1.99E-08	3.09E-07
1566	495311.06	3858651.99	1.00E-03	1.02E-03	1.02E-03	3.47E-07	1.05E-06	6.06E-07	6.19E-07	5.61E-07	2.56E-07	2.56E-07	0.00E+00	0.00E+00	1.12E-07	2.10E-08	1.33E-07	2.06E-08	1.98E-08	3.06E-07
1567	495361.06	3858651.99	9.97E-04	1.02E-03	1.02E-03	3.45E-07	1.04E-06	6.03E-07	6.16E-07	5.58E-07	2.55E-07	2.54E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.33E-07	2.04E-08	1.97E-08	3.05E-07
1568	495411.06	3858651.99	9.93E-04	1.01E-03	1.01E-03	3.44E-07	1.04E-06	6.01E-07	6.13E-07	5.56E-07	2.54E-07	2.53E-07	0.00E+00	0.00E+00	1.11E-07	2.08E-08	1.32E-07	2.04E-08	1.96E-08	3.03E-07
1569	495461.06	3858651.99	9.92E-04	1.01E-03	1.01E-03	3.43E-07	1.04E-06	6.00E-07	6.12E-07	5.55E-07	2.53E-07	2.53E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.03E-08	1.96E-08	3.03E-07
1570	495511.06	3858651.99	9.82E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.94E-07	6.07E-07	5.50E-07	2.51E-07	2.51E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.01E-08	1.94E-08	3.00E-07
1571	495561.06	3858651.99	9.75E-04	9.95E-04	9.94E-04	3.38E-07	1.02E-06	5.90E-07	6.02E-07	5.46E-07	2.49E-07	2.49E-07	0.00E+00	0.00E+00	1.09E-07	2.04E-08	1.30E-07	2.00E-08	1.93E-08	2.98E-07
1572	495611.06	3858651.99	9.65E-04	9.84E-04	9.83E-04	3.34E-07	1.01E-06	5.84E-07	5.96E-07	5.40E-07	2.46E-07	2.46E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.98E-08	1.91E-08	2.95E-07
1573	495661.06	3858651.99	9.61E-04	9.81E-04	9.79E-04	3.33E-07	1.00E-06	5.81E-07	5.93E-07	5.38E-07	2.45E-07	2.45E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.28E-07	1.97E-08	1.90E-08	2.94E-07
1574	494311.06	3858701.99	1.18E-03	1.21E-03	1.20E-03	4.09E-07	1.23E-06	7.15E-07	7.29E-07	6.61E-07	3.02E-07	3.01E-07	0.00E+00	0.00E+00	1.31E-07	2.48E-08	1.57E-07	2.42E-08	2.33E-08	3.61E-07
1575	494361.06	3858701.99	1.24E-03	1.26E-03	1.26E-03	4.28E-07	1.29E-06	7.49E-07	7.64E-07	6.93E-07	3.16E-07	3.16E-07	0.00E+00	0.00E+00	1.38E-07	2.59E-08	1.65E-07	2.54E-08	2.44E-08	3.78E-07
1576	494411.06	3858701.99	1.27E-03	1.30E-03	1.30E-03	4.41E-07	1.33E-06	7.71E-07	7.87E-07	7.13E-07	3.26E-07	3.25E-07	0.00E+00	0.00E+00	1.42E-07	2.67E-08	1.70E-07	2.61E-08	2.52E-08	3.89E-07
1577	494461.06	3858701.99	1.27E-03	1.30E-03	1.30E-03	4.41E-07	1.33E-06	7.71E-07	7.87E-07	7.13E-07	3.25E-07	3.25E-07	0.00E+00	0.00E+00	1.42E-07	2.67E-08	1.69E-07	2.61E-08	2.52E-08	3.89E-07
1578	494511.06	3858701.99	1.28E-03	1.31E-03	1.31E-03	4.43E-07	1.34E-06	7.75E-07	7.91E-07	7.17E-07	3.27E-07	3.27E-07	0.00E+00	0.00E+00	1.43E-07	2.68E-08	1.70E-07	2.63E-08	2.53E-08	3.91E-07
1579	494561.06	3858701.99	1.27E-03	1.30E-03	1.30E-03	4.41E-07	1.33E-06	7.70E-07	7.86E-07	7.12E-07	3.25E-07	3.25E-07	0.00E+00	0.00E+00	1.42E-07	2.67E-08	1.69E-07	2.61E-08	2.51E-08	3.89E-07
1580	494611.06	3858701.99	1.25E-03	1.28E-03	1.28E-03	4.33E-07	1.31E-06	7.57E-07	7.73E-07	7.01E-07	3.20E-07	3.19E-07	0.00E+00	0.00E+00	1.39E-07	2.62E-08	1.66E-07	2.57E-08	2.47E-08	3.82E-07
1581	494661.06	3858701.99	1.25E-03	1.28E-03	1.27E-03	4.33E-07	1.31E-06	7.56E-07	7.72E-07	6.99E-07	3.19E-07	3.19E-07	0.00E+00	0.00E+00	1.39E-07	2.62E-08	1.66E-07	2.56E-08	2.47E-08	3.82E-07
1582	494711.06	3858701.99	1.20E-03	1.23E-03	1.23E-03	4.17E-07	1.26E-06	7.29E-07	7.44E-07	6.74E-07	3.08E-07	3.07E-07	0.00E+00	0.00E+00	1.34E-07	2.53E-08	1.60E-07	2.47E-08	2.38E-08	3.68E-07
1583	494761.06	3858701.99	1.21E-03	1.24E-03	1.24E-03	4.20E-07	1.27E-06	7.34E-07	7.49E-07	6.79E-07	3.10E-07	3.09E-07	0.00E+00	0.00E+00	1.35E-07	2.54E-08	1.61E-07	2.49E-08	2.40E-08	3.71E-07
1584	494811.06	3858701.99	1.19E-03	1.22E-03	1.22E-03	4.13E-07	1.25E-06	7.21E-07	7.36E-07	6.67E-07	3.04E-07	3.04E-07	0.00E+00	0.00E+00	1.33E-07	2.50E-08	1.59E-07	2.44E-08	2.35E-08	3.64E-07
1585	494861.06	3858701.99	1.18E-03	1.20E-03	1.20E-03	4.07E-07	1.23E-06	7.11E-07	7.26E-07	6.58E-07	3.00E-07	3.00E-07	0.00E+00	0.00E+00	1.31E-07	2.46E-08	1.56E-07	2.41E-08	2.32E-08	3.59E-07
1586	494911.06	3858701.99	1.16E-03	1.18E-03	1.18E-03	4.02E-07	1.21E-06	7.02E-07	7.17E-07	6.50E-07	2.96E-07	2.96E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.29E-08	3.55E-07
1587	494961.06	3858701.99	1.13E-03	1.16E-03	1.15E-03	3.92E-07	1.18E-06	6.85E-07	6.99E-07	6.34E-07	2.89E-07	2.89E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.51E-07	2.32E-08	2.24E-08	3.46E-07
1588	495011.06	3858701.99	1.11E-03	1.14E-03	1.14E-03	3.86E-07	1.16E-06	6.74E-07	6.88E-07	6.24E-07	2.85E-07	2.84E-07	0.00E+00	0.00E+00	1.24E-07	2.33E-08	1.48E-07	2.28E-08	2.20E-08	3.40E-07
1589	495061.06	3858701.99	1.11E-03	1.13E-03	1.13E-03	3.83E-07	1.16E-06	6.69E-07	6.82E-07	6.19E-07	2.82E-07	2.82E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.18E-08	3.38E-07
1590	495111.06	3858701.99	1.08E-03	1.11E-03	1.11E-03	3.75E-07	1.13E-06	6.56E-07	6.70E-07	6.07E-07	2.77E-07	2.77E-07	0.00E+00	0.00E+00	1.21E-07	2.27E-08	1.44E-07	2.22E-08	2.14E-08	3.31E-07
1591	495161.06	3858701.99	1.07E-03	1.10E-03	1.09E-03	3.71E-07	1.12E-06	6.49E-07	6.63E-07	6.01E-07	2.74E-07	2.74E-07	0.00E+00	0.00E+00	1.19E-07	2.25E-08	1.43E-07	2.20E-08	2.12E-08	3.28E-07
1592	495211.06	3858701.99	1.06E-03	1.08E-03	1.08E-03	3.66E-07	1.11E-06	6.40E-07	6.53E-07	5.92E-07	2.70E-07	2.70E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.17E-08	2.09E-08	3.23E-07
1593	495261.06	3858701.99	1.05E-03	1.08E-03	1.07E-03	3.65E-07	1.10E-06	6.38E-07	6.51E-07	5.90E-07	2.69E-07	2.69E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	2.08E-08	3.22E-07
1594	495311.06	3858701.99	1.05E-03	1.07E-03	1.07E-03	3.63E-07	1.10E-06	6.35E-07	6.48E-07	5.87E-07	2.68E-07	2.68E-07	0.00E+00	0.00E+00	1.17E-07	2.20E-08	1.39E-07	2.15E-08	2.07E-08	3.20E-07
1595	495361.06	3858701.99	1.04E-03	1.06E-03	1.06E-03	3.61E-07	1.09E-06	6.31E-07	6.43E-07	5.83E-07	2.66E-07	2.66E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.39E-07	2.14E-08	2.06E-08	3.18E-07
1596	495411.06	3858701.99	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.29E-07	6.42E-07	5.82E-07	2.65E-07	2.65E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.38E-07	2.13E-08	2.05E-08	3.18E-07
1597	495461.06	3858701.99	1.03E-03	1.05E-03	1.05E-03	3.58E-07	1.08E-06	6.25E-07	6.38E-07	5.79E-07	2.64E-07	2.64E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.37E-07	2.12E-08	2.04E-08	3.16E-07
1598	495511.06	3858701.99	1.03E-03	1.05E-03	1.05E-03	3.55E-07	1.07E-06	6.21E-07	6.33E-07	5.74E-07	2.62E-07	2.62E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.36E-07	2.10E-08	2.03E-08	3.13E-07
1599	495561.06	3858701.99	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.15E-07	6.27E-07	5.69E-07	2.60E-07	2.59E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.08E-08	2.01E-08	3.10E-07
1600	495611.06	3858701.99	1.01E-03	1.03E-03	1.03E-03	3.48E-07	1.05E-06	6.09E-07	6.21E-07	5.63E-07	2.57E-07	2.57E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.06E-08	1.99E-08	3.08E-07
1601	495661.06	3858701.99	1.00E-03	1.02E-03	1.02E-03	3.46E-07	1.04E-06	6.05E-07	6.17E-07	5.60E-07	2.55E-07	2.55E-07	0.00E+00	0.00E+00	1.11E-07	2.10E-08	1.33E-07	2.05E-08	1.97E-08	3.05E-07
1602	494311.06	3858751.99	1.24E-03	1.26E-03	1.26E-03	4.29E-07	1.30E-06	7.50E-07	7.65E-07	6.94E-07	3.17E-07	3.16E-07	0.00E+00	0.00E+00	1.38E-07	2.60E-08	1.65E-07	2.54E-08	2.45E-08	3.79E-07
1603	494361.06	3858751.99	1.31E-03	1.34E-03	1.34E-03	4.54E-07	1.37E-06	7.94E-07	8.10E-07	7.34E-07	3.35E-07	3.35E-07	0.00E+00	0.00E+00	1.46E-07	2.75E-08	1.74E-07	2.69E-08	2.59E-08	4.01E-07
1604	494411.06	3858751.99	1.34E-03	1.37E-03	1.37E-03	4.64E-07	1.40E-06	8.11E-07	8.28E-07	7.51E-07	3.42E-07	3.42E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.78E-07	2.75E-08	2.65E-08	4.10E-07
1605	494461.06	3858751.99	1.34E-03	1.37E-03	1.37E-03	4.64E-07	1.40E-06	8.11E-07	8.27E-07	7.50E-07	3.42E-07	3.42E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.78E-07	2.75E-08	2.65E-08	4.09E-07
1606	494511.06	3858751.99	1.35E-03	1.38E-03	1.38E-03	4.67E-07	1.41E-06	8.17E-07	8.33E-07	7.55E-07	3.45E-07	3.44E-07	0.00E+00	0.00E+00	1.50E-07	2.83E-08	1.79E-07	2.77E-08	2.67E-08	4.12E-07
1607	494561.06	3858751.99	1.33E-03	1.36E-03	1.35E-03	4.60E-07	1.39E-06	8.04E-07	8.21E-07	7.44E-07	3.39E-07	3.39E-07	0.00E+00	0.00E+00	1.48E-07	2.79E-08	1.77E-07	2.73E-08	2.63E-08	4.06E-07
1608	494611.06	3858751.99	1.31E-03	1.34E-03	1.34E-03	4.54E-07	1.37E-06	7.94E-07	8.11E-07	7.35E-07	3.35E-07	3.35E-07	0.00E+00	0.00E+00	1.46E-07	2.75E-08	1.75E-07	2.69E-08	2.59E-08	4.01E-07
1609	494661.06	3858751.99	1.30E-03	1.32E-03	1.32E-03	4.49E-07	1.36E-06	7.85E-07	8.01E-07	7.26E-07	3.31E-07	3.31E-07	0.00E+00	0.00E+00	1.44E-07	2.72E-08	1.72E-07	2.66E-08	2.56E-08	3.96E-07
1610	494711.06	3858751.99	1.27E-03	1.30E-03	1.29E-03	4.40E-07	1.33E-06	7.68E-07	7.84E-07	7.11E-07	3.24E-07	3.24E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.60E-08	2.51E-08	3.88E-07
1611	494761.06	3858751.99	1.27E-03	1.29E-03	1.29E-03	4.39E-07	1.33E-06	7.67E-07	7.83E-07	7.10E-07	3.24E-07	3.24E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.60E-08	2.50E-08	3.87E-07
1612	494811.06	3858751.99	1.24E-03	1.27E-03	1.27E-03	4.31E-07	1.30E-06	7.53E-07	7.68E-07	6.96E-07	3.18E-07	3.17E-07	0.00E+00	0.00E+00	1.38E-07	2.61E-08	1.65E-07	2.55E-08	2.46E-08	3.80E-07
1613	494861.06	3858751.99	1.22E-03	1.25E-03	1.25E-03	4.23E-07	1.28E-06	7.40E-07	7.55E-07	6.84E-07	3.12E-07	3.12E-07	0.00E+00	0.00E+00	1.36E-07	2.56E-08	1.63E-07	2.51E-08	2.42E-08	3.74E-07
1614	494911.06	3858751.99	1.20E-03	1.22E-03	1.22E-03	4.15E-07	1.25E-06	7.26E-07	7.41E-07	6.71E-07	3.06E-07	3.06E-07	0.00E+00	0.00E+00	1.34E-07	2.51E-08	1.60E-07	2.46E-08	2.37E-08	3.66E-07
1615	494961.06	3858751.99	1.18E-03	1.21E-03	1.21E-03	4.09E-07	1.24E-06	7.15E-07	7.30E-07	6.62E-07	3.02E-07	3.02E-07	0.00E+00	0.00E+00	1.32E-07	2.48E-08	1.57E-07	2.42E-08	2.34E-08	3.61E-07
1616	495011.06	3858751.99	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.08E-07	7.23E-07	6.55E-07	2.99E-07	2.99E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.56E-07	2.40E-08	2.31E-08	3.58E-07
1617	495061.06	3858751.99	1.15E-03	1.18E-03	1.17E-03	3.99E-07	1.20E-06	6.97E-07	7.12E-07	6.45E-07	2.94E-07	2.94E-07	0.00E+00	0.00E+00	1.28E-07	2.42E-08	1.53E-07	2.36E-08	2.28E-08	3.52E-07

1618	495111.06	3858751.99	1.13E-03	1.16E-03	1.15E-03	3.92E-07	1.18E-06	6.85E-07	6.99E-07	6.34E-07	2.89E-07	2.89E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.51E-07	2.32E-08	2.24E-08	3.46E-07
1619	495161.06	3858751.99	1.12E-03	1.14E-03	1.14E-03	3.88E-07	1.17E-06	6.78E-07	6.91E-07	6.27E-07	2.86E-07	2.86E-07	0.00E+00	0.00E+00	1.25E-07	2.35E-08	1.49E-07	2.30E-08	2.21E-08	3.42E-07
1620	495211.06	3858751.99	1.10E-03	1.13E-03	1.13E-03	3.82E-07	1.15E-06	6.68E-07	6.82E-07	6.18E-07	2.82E-07	2.82E-07	0.00E+00	0.00E+00	1.23E-07	2.31E-08	1.47E-07	2.26E-08	2.18E-08	3.37E-07
1621	495261.06	3858751.99	1.10E-03	1.12E-03	1.12E-03	3.80E-07	1.15E-06	6.64E-07	6.78E-07	6.15E-07	2.80E-07	2.80E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.17E-08	3.36E-07
1622	495311.06	3858751.99	1.09E-03	1.12E-03	1.11E-03	3.79E-07	1.14E-06	6.62E-07	6.75E-07	6.12E-07	2.79E-07	2.79E-07	0.00E+00	0.00E+00	1.22E-07	2.29E-08	1.45E-07	2.24E-08	2.16E-08	3.34E-07
1623	495361.06	3858751.99	1.09E-03	1.11E-03	1.11E-03	3.76E-07	1.14E-06	6.57E-07	6.71E-07	6.08E-07	2.77E-07	2.77E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.44E-07	2.23E-08	2.15E-08	3.32E-07
1624	495411.06	3858751.99	1.08E-03	1.11E-03	1.11E-03	3.75E-07	1.13E-06	6.56E-07	6.70E-07	6.07E-07	2.77E-07	2.77E-07	0.00E+00	0.00E+00	1.21E-07	2.27E-08	1.44E-07	2.22E-08	2.14E-08	3.31E-07
1625	495461.06	3858751.99	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.13E-06	6.52E-07	6.66E-07	6.03E-07	2.75E-07	2.75E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.43E-07	2.21E-08	2.13E-08	3.29E-07
1626	495511.06	3858751.99	1.07E-03	1.09E-03	1.09E-03	3.70E-07	1.12E-06	6.47E-07	6.60E-07	5.98E-07	2.73E-07	2.73E-07	0.00E+00	0.00E+00	1.19E-07	2.24E-08	1.42E-07	2.19E-08	2.11E-08	3.27E-07
1627	495561.06	3858751.99	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.41E-07	6.54E-07	5.93E-07	2.71E-07	2.70E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.17E-08	2.09E-08	3.24E-07
1628	495611.06	3858751.99	1.05E-03	1.07E-03	1.07E-03	3.63E-07	1.10E-06	6.35E-07	6.48E-07	5.87E-07	2.68E-07	2.68E-07	0.00E+00	0.00E+00	1.17E-07	2.20E-08	1.40E-07	2.15E-08	2.07E-08	3.21E-07
1629	495661.06	3858751.99	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.30E-07	6.43E-07	5.83E-07	2.66E-07	2.66E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.38E-07	2.14E-08	2.06E-08	3.18E-07
1630	494311.06	3858801.99	1.32E-03	1.34E-03	1.34E-03	4.55E-07	1.38E-06	7.96E-07	8.12E-07	7.36E-07	3.36E-07	3.36E-07	0.00E+00	0.00E+00	1.46E-07	2.76E-08	1.75E-07	2.70E-08	2.60E-08	4.02E-07
1631	494361.06	3858801.99	1.38E-03	1.41E-03	1.41E-03	4.79E-07	1.45E-06	8.37E-07	8.55E-07	7.75E-07	3.53E-07	3.53E-07	0.00E+00	0.00E+00	1.54E-07	2.90E-08	1.84E-07	2.84E-08	2.73E-08	4.23E-07
1632	494411.06	3858801.99	1.40E-03	1.43E-03	1.43E-03	4.84E-07	1.46E-06	8.47E-07	8.64E-07	7.83E-07	3.57E-07	3.57E-07	0.00E+00	0.00E+00	1.56E-07	2.93E-08	1.86E-07	2.87E-08	2.76E-08	4.28E-07
1633	494461.06	3858801.99	1.41E-03	1.43E-03	1.43E-03	4.87E-07	1.47E-06	8.51E-07	8.68E-07	7.87E-07	3.59E-07	3.59E-07	0.00E+00	0.00E+00	1.56E-07	2.95E-08	1.87E-07	2.88E-08	2.78E-08	4.30E-07
1634	494511.06	3858801.99	1.42E-03	1.45E-03	1.44E-03	4.91E-07	1.48E-06	8.58E-07	8.75E-07	7.93E-07	3.62E-07	3.62E-07	0.00E+00	0.00E+00	1.58E-07	2.97E-08	1.89E-07	2.91E-08	2.80E-08	4.33E-07
1635	494561.06	3858801.99	1.41E-03	1.44E-03	1.44E-03	4.88E-07	1.47E-06	8.53E-07	8.71E-07	7.89E-07	3.60E-07	3.60E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.89E-08	2.79E-08	4.31E-07
1636	494611.06	3858801.99	1.40E-03	1.43E-03	1.42E-03	4.84E-07	1.46E-06	8.45E-07	8.63E-07	7.82E-07	3.57E-07	3.56E-07	0.00E+00	0.00E+00	1.56E-07	2.93E-08	1.86E-07	2.87E-08	2.76E-08	4.27E-07
1637	494661.06	3858801.99	1.38E-03	1.40E-03	1.40E-03	4.76E-07	1.44E-06	8.32E-07	8.49E-07	7.70E-07	3.51E-07	3.51E-07	0.00E+00	0.00E+00	1.53E-07	2.88E-08	1.83E-07	2.82E-08	2.72E-08	4.20E-07
1638	494711.06	3858801.99	1.35E-03	1.38E-03	1.38E-03	4.67E-07	1.41E-06	8.17E-07	8.34E-07	7.56E-07	3.45E-07	3.44E-07	0.00E+00	0.00E+00	1.50E-07	2.83E-08	1.80E-07	2.77E-08	2.67E-08	4.12E-07
1639	494761.06	3858801.99	1.32E-03	1.35E-03	1.35E-03	4.57E-07	1.38E-06	7.99E-07	8.16E-07	7.40E-07	3.37E-07	3.37E-07	0.00E+00	0.00E+00	1.47E-07	2.77E-08	1.76E-07	2.71E-08	2.61E-08	4.04E-07
1640	494811.06	3858801.99	1.29E-03	1.32E-03	1.32E-03	4.47E-07	1.35E-06	7.82E-07	7.98E-07	7.23E-07	3.30E-07	3.30E-07	0.00E+00	0.00E+00	1.44E-07	2.71E-08	1.72E-07	2.65E-08	2.55E-08	3.95E-07
1641	494861.06	3858801.99	1.28E-03	1.30E-03	1.30E-03	4.41E-07	1.33E-06	7.72E-07	7.87E-07	7.14E-07	3.26E-07	3.25E-07	0.00E+00	0.00E+00	1.42E-07	2.67E-08	1.70E-07	2.62E-08	2.52E-08	3.90E-07
1642	494911.06	3858801.99	1.25E-03	1.28E-03	1.28E-03	4.33E-07	1.31E-06	7.57E-07	7.73E-07	7.00E-07	3.20E-07	3.19E-07	0.00E+00	0.00E+00	1.39E-07	2.62E-08	1.66E-07	2.57E-08	2.47E-08	3.82E-07
1643	494961.06	3858801.99	1.23E-03	1.26E-03	1.26E-03	4.27E-07	1.29E-06	7.46E-07	7.62E-07	6.90E-07	3.15E-07	3.15E-07	0.00E+00	0.00E+00	1.37E-07	2.58E-08	1.64E-07	2.53E-08	2.44E-08	3.77E-07
1644	495011.06	3858801.99	1.21E-03	1.24E-03	1.24E-03	4.20E-07	1.27E-06	7.35E-07	7.50E-07	6.80E-07	3.10E-07	3.10E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.49E-08	2.40E-08	3.71E-07
1645	495061.06	3858801.99	1.20E-03	1.23E-03	1.23E-03	4.16E-07	1.26E-06	7.27E-07	7.42E-07	6.73E-07	3.07E-07	3.07E-07	0.00E+00	0.00E+00	1.34E-07	2.52E-08	1.60E-07	2.46E-08	2.37E-08	3.67E-07
1646	495111.06	3858801.99	1.18E-03	1.20E-03	1.20E-03	4.08E-07	1.23E-06	7.13E-07	7.27E-07	6.59E-07	3.01E-07	3.01E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.33E-08	3.60E-07
1647	495161.06	3858801.99	1.16E-03	1.18E-03	1.18E-03	4.02E-07	1.21E-06	7.02E-07	7.16E-07	6.49E-07	2.96E-07	2.96E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.29E-08	3.55E-07
1648	495211.06	3858801.99	1.15E-03	1.17E-03	1.17E-03	3.98E-07	1.20E-06	6.96E-07	7.10E-07	6.44E-07	2.94E-07	2.93E-07	0.00E+00	0.00E+00	1.28E-07	2.41E-08	1.53E-07	2.36E-08	2.27E-08	3.51E-07
1649	495261.06	3858801.99	1.14E-03	1.17E-03	1.17E-03	3.96E-07	1.20E-06	6.92E-07	7.06E-07	6.40E-07	2.92E-07	2.92E-07	0.00E+00	0.00E+00	1.27E-07	2.40E-08	1.52E-07	2.35E-08	2.26E-08	3.49E-07
1650	495311.06	3858801.99	1.14E-03	1.16E-03	1.16E-03	3.94E-07	1.19E-06	6.89E-07	7.04E-07	6.38E-07	2.91E-07	2.91E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.52E-07	2.34E-08	2.25E-08	3.48E-07
1651	495361.06	3858801.99	1.13E-03	1.16E-03	1.15E-03	3.92E-07	1.18E-06	6.85E-07	6.99E-07	6.34E-07	2.89E-07	2.89E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.51E-07	2.32E-08	2.24E-08	3.46E-07
1652	495411.06	3858801.99	1.13E-03	1.16E-03	1.15E-03	3.92E-07	1.18E-06	6.85E-07	6.99E-07	6.34E-07	2.89E-07	2.89E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.51E-07	2.32E-08	2.24E-08	3.46E-07
1653	495461.06	3858801.99	1.12E-03	1.15E-03	1.15E-03	3.89E-07	1.18E-06	6.80E-07	6.94E-07	6.29E-07	2.87E-07	2.87E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.50E-07	2.31E-08	2.22E-08	3.44E-07
1654	495511.06	3858801.99	1.11E-03	1.14E-03	1.14E-03	3.86E-07	1.16E-06	6.74E-07	6.88E-07	6.23E-07	2.84E-07	2.84E-07	0.00E+00	0.00E+00	1.24E-07	2.33E-08	1.48E-07	2.28E-08	2.20E-08	3.40E-07
1655	495561.06	3858801.99	1.10E-03	1.13E-03	1.13E-03	3.82E-07	1.15E-06	6.68E-07	6.82E-07	6.18E-07	2.82E-07	2.82E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.18E-08	3.37E-07
1656	495611.06	3858801.99	1.09E-03	1.11E-03	1.11E-03	3.78E-07	1.14E-06	6.61E-07	6.74E-07	6.11E-07	2.79E-07	2.79E-07	0.00E+00	0.00E+00	1.22E-07	2.29E-08	1.45E-07	2.24E-08	2.16E-08	3.34E-07
1657	495661.06	3858801.99	1.08E-03	1.11E-03	1.11E-03	3.76E-07	1.13E-06	6.56E-07	6.70E-07	6.07E-07	2.77E-07	2.77E-07	0.00E+00	0.00E+00	1.21E-07	2.27E-08	1.44E-07	2.22E-08	2.14E-08	3.31E-07
1658	494311.06	3858851.99	1.44E-03	1.47E-03	1.47E-03	5.00E-07	1.51E-06	8.73E-07	8.91E-07	8.08E-07	3.69E-07	3.68E-07	0.00E+00	0.00E+00	1.61E-07	3.03E-08	1.92E-07	2.96E-08	2.85E-08	4.41E-07
1659	494361.06	3858851.99	1.48E-03	1.52E-03	1.51E-03	5.14E-07	1.55E-06	8.98E-07	9.17E-07	8.31E-07	3.79E-07	3.79E-07	0.00E+00	0.00E+00	1.65E-07	3.11E-08	1.97E-07	3.04E-08	2.93E-08	4.54E-07
1660	494411.06	3858851.99	1.48E-03	1.51E-03	1.51E-03	5.12E-07	1.55E-06	8.95E-07	9.13E-07	8.28E-07	3.78E-07	3.77E-07	0.00E+00	0.00E+00	1.65E-07	3.10E-08	1.97E-07	3.03E-08	2.92E-08	4.52E-07
1661	494461.06	3858851.99	1.48E-03	1.51E-03	1.51E-03	5.12E-07	1.55E-06	8.95E-07	9.13E-07	8.28E-07	3.78E-07	3.77E-07	0.00E+00	0.00E+00	1.65E-07	3.10E-08	1.97E-07	3.03E-08	2.92E-08	4.52E-07
1662	494511.06	3858851.99	1.49E-03	1.52E-03	1.51E-03	5.14E-07	1.55E-06	8.99E-07	9.17E-07	8.32E-07	3.79E-07	3.79E-07	0.00E+00	0.00E+00	1.65E-07	3.11E-08	1.98E-07	3.05E-08	2.93E-08	4.54E-07
1663	494561.06	3858851.99	1.48E-03	1.51E-03	1.50E-03	5.11E-07	1.54E-06	8.93E-07	9.11E-07	8.26E-07	3.77E-07	3.76E-07	0.00E+00	0.00E+00	1.64E-07	3.09E-08	1.96E-07	3.03E-08	2.91E-08	4.51E-07
1664	494611.06	3858851.99	1.46E-03	1.49E-03	1.49E-03	5.05E-07	1.52E-06	8.82E-07	9.00E-07	8.16E-07	3.72E-07	3.72E-07	0.00E+00	0.00E+00	1.62E-07	3.05E-08	1.94E-07	2.99E-08	2.88E-08	4.45E-07
1665	494661.06	3858851.99	1.44E-03	1.46E-03	1.46E-03	4.97E-07	1.50E-06	8.68E-07	8.86E-07	8.03E-07	3.66E-07	3.66E-07	0.00E+00	0.00E+00	1.60E-07	3.01E-08	1.91E-07	2.94E-08	2.83E-08	4.38E-07
1666	494711.06	3858851.99	1.40E-03	1.43E-03	1.43E-03	4.86E-07	1.47E-06	8.49E-07	8.67E-07	7.86E-07	3.58E-07	3.58E-07	0.00E+00	0.00E+00	1.56E-07	2.94E-08	1.87E-07	2.88E-08	2.77E-08	4.29E-07
1667	494761.06	3858851.99	1.37E-03	1.40E-03	1.40E-03	4.75E-07	1.44E-06	8.31E-07	8.48E-07	7.69E-07	3.51E-07	3.50E-07	0.00E+00	0.00E+00	1.53E-07	2.88E-08	1.83E-07	2.82E-08	2.71E-08	4.20E-07
1668	494811.06	3858851.99	1.35E-03	1.38E-03	1.37E-03	4.67E-07	1.41E-06	8.16E-07	8.33E-07	7.55E-07	3.44E-07	3.44E-07	0.00E+00	0.00E+00	1.50E-07	2.83E-08	1.79E-07	2.77E-08	2.66E-08	4.12E-07
1669	494861.06	3858851.99	1.33E-03	1.36E-03	1.36E-03	4.61E-07	1.39E-06	8.06E-07	8.22E-07	7.45E-07	3.40E-07	3.40E-07	0.00E+00	0.00E+00	1.48E-07	2.79E-08	1.77E-07	2.73E-08	2.63E-08	4.07E-07
1670	494911.06	3858851.99	1.31E-03	1.34E-03	1.33E-03	4.53E-07	1.37E-06	7.92E-07	8.08E-07	7.32E-07	3.34E-07	3.34E-07	0.00E+00	0.00E+00	1.46E-07	2.74E-08	1.74E-07	2.68E-08	2.58E-08	4.00E-07
1671	494961.06	3858851.99	1.29E-03	1.31E-03	1.31E-03	4.46E-07	1.35E-06	7.79E-07	7.95E-07	7.21E-07	3.29E-07	3.29E-07	0.00E+00	0.00E+00	1.43E-07	2.70E-08	1.71E-07	2.64E-08	2.54E-08	3.94E-07
1672	495011.06	3858851.99	1.27E-03	1.30E-03	1.30E-03	4.40E-07	1.33E-06	7.69E-07	7.85E-07	7.12E-07	3.25E-07	3.24E-07	0.00E+00	0.00E+00	1.42E-07	2.66E-08	1.69E-07	2.61E-08	2.51E-08	3.88E-07
1673	495061.06	3858851.99	1.25E-03	1.28E-03	1.28E-03	4.33E-07	1.31E-06	7.58E-07	7.73E-07	7.01E-07	3.20E-07	3.19E-07	0.00E+00	0.00E+00	1.39E-07	2.62E-08	1.66E-07	2.57E-08	2.47E-08	3.83E-07

1674	495111.06	3858851.99	1.22E-03	1.24E-03	1.24E-03	4.22E-07	1.27E-06	7.38E-07	7.53E-07	6.82E-07	3.11E-07	3.11E-07	0.00E+00	0.00E+00	1.36E-07	2.56E-08	1.62E-07	2.50E-08	2.41E-08	3.73E-07
1675	495161.06	3858851.99	1.20E-03	1.23E-03	1.22E-03	4.16E-07	1.26E-06	7.27E-07	7.41E-07	6.72E-07	3.07E-07	3.06E-07	0.00E+00	0.00E+00	1.34E-07	2.52E-08	1.60E-07	2.46E-08	2.37E-08	3.67E-07
1676	495211.06	3858851.99	1.20E-03	1.22E-03	1.22E-03	4.15E-07	1.25E-06	7.25E-07	7.40E-07	6.71E-07	3.06E-07	3.06E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.59E-07	2.46E-08	2.37E-08	3.66E-07
1677	495261.06	3858851.99	1.19E-03	1.22E-03	1.21E-03	4.13E-07	1.25E-06	7.21E-07	7.36E-07	6.67E-07	3.04E-07	3.04E-07	0.00E+00	0.00E+00	1.33E-07	2.50E-08	1.59E-07	2.44E-08	2.35E-08	3.64E-07
1678	495311.06	3858851.99	1.19E-03	1.21E-03	1.21E-03	4.11E-07	1.24E-06	7.19E-07	7.34E-07	6.65E-07	3.03E-07	3.03E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.35E-08	3.63E-07
1679	495361.06	3858851.99	1.18E-03	1.21E-03	1.20E-03	4.09E-07	1.24E-06	7.15E-07	7.30E-07	6.62E-07	3.02E-07	3.02E-07	0.00E+00	0.00E+00	1.32E-07	2.48E-08	1.57E-07	2.42E-08	2.34E-08	3.61E-07
1680	495411.06	3858851.99	1.18E-03	1.20E-03	1.20E-03	4.07E-07	1.23E-06	7.12E-07	7.26E-07	6.58E-07	3.00E-07	3.00E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.56E-07	2.41E-08	2.32E-08	3.59E-07
1681	495461.06	3858851.99	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.09E-07	7.23E-07	6.55E-07	2.99E-07	2.99E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.56E-07	2.40E-08	2.31E-08	3.58E-07
1682	495511.06	3858851.99	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.02E-07	7.16E-07	6.49E-07	2.96E-07	2.96E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.29E-08	3.54E-07
1683	495561.06	3858851.99	1.15E-03	1.17E-03	1.17E-03	3.96E-07	1.20E-06	6.93E-07	7.07E-07	6.41E-07	2.93E-07	2.92E-07	0.00E+00	0.00E+00	1.27E-07	2.40E-08	1.52E-07	2.35E-08	2.26E-08	3.50E-07
1684	495611.06	3858851.99	1.13E-03	1.15E-03	1.15E-03	3.92E-07	1.18E-06	6.84E-07	6.98E-07	6.33E-07	2.89E-07	2.89E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.50E-07	2.32E-08	2.23E-08	3.46E-07
1685	495661.06	3858851.99	1.13E-03	1.15E-03	1.15E-03	3.90E-07	1.18E-06	6.81E-07	6.95E-07	6.30E-07	2.88E-07	2.87E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.50E-07	2.31E-08	2.22E-08	3.44E-07
1686	494311.06	3858901.99	1.53E-03	1.56E-03	1.56E-03	5.30E-07	1.60E-06	9.27E-07	9.46E-07	8.57E-07	3.91E-07	3.91E-07	0.00E+00	0.00E+00	1.70E-07	3.21E-08	2.04E-07	3.14E-08	3.02E-08	4.68E-07
1687	494361.06	3858901.99	1.56E-03	1.59E-03	1.59E-03	5.41E-07	1.63E-06	9.45E-07	9.65E-07	8.75E-07	3.99E-07	3.99E-07	0.00E+00	0.00E+00	1.74E-07	3.27E-08	2.08E-07	3.20E-08	3.09E-08	4.77E-07
1688	494411.06	3858901.99	1.56E-03	1.59E-03	1.59E-03	5.41E-07	1.63E-06	9.45E-07	9.65E-07	8.74E-07	3.99E-07	3.99E-07	0.00E+00	0.00E+00	1.74E-07	3.27E-08	2.08E-07	3.20E-08	3.09E-08	4.77E-07
1689	494461.06	3858901.99	1.57E-03	1.61E-03	1.60E-03	5.45E-07	1.64E-06	9.52E-07	9.72E-07	8.81E-07	4.02E-07	4.01E-07	0.00E+00	0.00E+00	1.75E-07	3.30E-08	2.09E-07	3.23E-08	3.11E-08	4.81E-07
1690	494511.06	3858901.99	1.57E-03	1.60E-03	1.60E-03	5.43E-07	1.64E-06	9.49E-07	9.69E-07	8.78E-07	4.01E-07	4.00E-07	0.00E+00	0.00E+00	1.75E-07	3.29E-08	2.09E-07	3.22E-08	3.10E-08	4.79E-07
1691	494561.06	3858901.99	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.37E-07	9.56E-07	8.67E-07	3.96E-07	3.95E-07	0.00E+00	0.00E+00	1.72E-07	3.25E-08	2.06E-07	3.18E-08	3.06E-08	4.73E-07
1692	494611.06	3858901.99	1.52E-03	1.55E-03	1.54E-03	5.24E-07	1.58E-06	9.17E-07	9.35E-07	8.48E-07	3.87E-07	3.86E-07	0.00E+00	0.00E+00	1.69E-07	3.18E-08	2.01E-07	3.11E-08	2.99E-08	4.63E-07
1693	494661.06	3858901.99	1.50E-03	1.53E-03	1.52E-03	5.18E-07	1.56E-06	9.05E-07	9.24E-07	8.37E-07	3.82E-07	3.82E-07	0.00E+00	0.00E+00	1.67E-07	3.14E-08	1.99E-07	3.07E-08	2.95E-08	4.57E-07
1694	494711.06	3858901.99	1.47E-03	1.49E-03	1.49E-03	5.07E-07	1.53E-06	8.86E-07	9.05E-07	8.20E-07	3.74E-07	3.74E-07	0.00E+00	0.00E+00	1.63E-07	3.07E-08	1.95E-07	3.00E-08	2.89E-08	4.48E-07
1695	494761.06	3858901.99	1.43E-03	1.46E-03	1.46E-03	4.95E-07	1.49E-06	8.65E-07	8.83E-07	8.00E-07	3.65E-07	3.65E-07	0.00E+00	0.00E+00	1.59E-07	3.00E-08	1.90E-07	2.93E-08	2.82E-08	4.37E-07
1696	494811.06	3858901.99	1.41E-03	1.44E-03	1.43E-03	4.87E-07	1.47E-06	8.52E-07	8.69E-07	7.88E-07	3.60E-07	3.59E-07	0.00E+00	0.00E+00	1.57E-07	2.95E-08	1.87E-07	2.89E-08	2.78E-08	4.30E-07
1697	494861.06	3858901.99	1.39E-03	1.42E-03	1.42E-03	4.82E-07	1.45E-06	8.42E-07	8.59E-07	7.79E-07	3.55E-07	3.55E-07	0.00E+00	0.00E+00	1.55E-07	2.92E-08	1.85E-07	2.85E-08	2.75E-08	4.25E-07
1698	494911.06	3858901.99	1.36E-03	1.39E-03	1.38E-03	4.70E-07	1.42E-06	8.21E-07	8.38E-07	7.60E-07	3.47E-07	3.46E-07	0.00E+00	0.00E+00	1.51E-07	2.84E-08	1.81E-07	2.78E-08	2.68E-08	4.15E-07
1699	494961.06	3858901.99	1.34E-03	1.37E-03	1.36E-03	4.63E-07	1.40E-06	8.10E-07	8.26E-07	7.49E-07	3.42E-07	3.41E-07	0.00E+00	0.00E+00	1.49E-07	2.80E-08	1.78E-07	2.74E-08	2.64E-08	4.09E-07
1700	495011.06	3858901.99	1.32E-03	1.35E-03	1.34E-03	4.57E-07	1.38E-06	7.98E-07	8.15E-07	7.39E-07	3.37E-07	3.37E-07	0.00E+00	0.00E+00	1.47E-07	2.77E-08	1.75E-07	2.71E-08	2.61E-08	4.03E-07
1701	495061.06	3858901.99	1.29E-03	1.32E-03	1.32E-03	4.48E-07	1.35E-06	7.83E-07	7.99E-07	7.24E-07	3.30E-07	3.30E-07	0.00E+00	0.00E+00	1.44E-07	2.71E-08	1.72E-07	2.65E-08	2.56E-08	3.95E-07
1702	495111.06	3858901.99	1.26E-03	1.28E-03	1.28E-03	4.36E-07	1.32E-06	7.61E-07	7.77E-07	7.04E-07	3.21E-07	3.21E-07	0.00E+00	0.00E+00	1.40E-07	2.64E-08	1.67E-07	2.58E-08	2.49E-08	3.84E-07
1703	495161.06	3858901.99	1.25E-03	1.27E-03	1.27E-03	4.31E-07	1.30E-06	7.54E-07	7.69E-07	6.97E-07	3.18E-07	3.18E-07	0.00E+00	0.00E+00	1.39E-07	2.61E-08	1.66E-07	2.56E-08	2.46E-08	3.81E-07
1704	495211.06	3858901.99	1.25E-03	1.27E-03	1.27E-03	4.32E-07	1.31E-06	7.56E-07	7.71E-07	6.99E-07	3.19E-07	3.19E-07	0.00E+00	0.00E+00	1.39E-07	2.62E-08	1.66E-07	2.56E-08	2.47E-08	3.82E-07
1705	495261.06	3858901.99	1.24E-03	1.27E-03	1.27E-03	4.30E-07	1.30E-06	7.52E-07	7.68E-07	6.96E-07	3.18E-07	3.17E-07	0.00E+00	0.00E+00	1.38E-07	2.61E-08	1.65E-07	2.55E-08	2.46E-08	3.80E-07
1706	495311.06	3858901.99	1.24E-03	1.26E-03	1.26E-03	4.28E-07	1.29E-06	7.48E-07	7.63E-07	6.92E-07	3.16E-07	3.15E-07	0.00E+00	0.00E+00	1.38E-07	2.59E-08	1.64E-07	2.53E-08	2.44E-08	3.77E-07
1707	495361.06	3858901.99	1.23E-03	1.25E-03	1.25E-03	4.25E-07	1.28E-06	7.43E-07	7.58E-07	6.88E-07	3.14E-07	3.13E-07	0.00E+00	0.00E+00	1.37E-07	2.57E-08	1.63E-07	2.52E-08	2.43E-08	3.75E-07
1708	495411.06	3858901.99	1.23E-03	1.25E-03	1.25E-03	4.24E-07	1.28E-06	7.42E-07	7.57E-07	6.86E-07	3.13E-07	3.13E-07	0.00E+00	0.00E+00	1.36E-07	2.57E-08	1.63E-07	2.51E-08	2.42E-08	3.74E-07
1709	495461.06	3858901.99	1.22E-03	1.24E-03	1.24E-03	4.21E-07	1.27E-06	7.36E-07	7.51E-07	6.80E-07	3.10E-07	3.10E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.49E-08	2.40E-08	3.71E-07
1710	495511.06	3858901.99	1.20E-03	1.23E-03	1.23E-03	4.16E-07	1.26E-06	7.27E-07	7.42E-07	6.73E-07	3.07E-07	3.07E-07	0.00E+00	0.00E+00	1.34E-07	2.52E-08	1.60E-07	2.47E-08	2.37E-08	3.67E-07
1711	495561.06	3858901.99	1.19E-03	1.21E-03	1.21E-03	4.12E-07	1.24E-06	7.20E-07	7.35E-07	6.66E-07	3.04E-07	3.04E-07	0.00E+00	0.00E+00	1.33E-07	2.49E-08	1.58E-07	2.44E-08	2.35E-08	3.64E-07
1712	495611.06	3858901.99	1.18E-03	1.20E-03	1.20E-03	4.07E-07	1.23E-06	7.11E-07	7.26E-07	6.58E-07	3.00E-07	3.00E-07	0.00E+00	0.00E+00	1.31E-07	2.46E-08	1.56E-07	2.41E-08	2.32E-08	3.59E-07
1713	495661.06	3858901.99	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.09E-07	7.23E-07	6.55E-07	2.99E-07	2.99E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.56E-07	2.40E-08	2.31E-08	3.58E-07
1714	494311.06	3858951.99	1.65E-03	1.68E-03	1.68E-03	5.69E-07	1.72E-06	9.95E-07	1.02E-06	9.21E-07	4.20E-07	4.20E-07	0.00E+00	0.00E+00	1.83E-07	3.45E-08	2.19E-07	3.37E-08	3.25E-08	5.03E-07
1715	494361.06	3858951.99	1.66E-03	1.69E-03	1.69E-03	5.73E-07	1.73E-06	1.00E-06	1.02E-06	9.27E-07	4.23E-07	4.22E-07	0.00E+00	0.00E+00	1.84E-07	3.47E-08	2.20E-07	3.40E-08	3.27E-08	5.06E-07
1716	494411.06	3858951.99	1.64E-03	1.67E-03	1.67E-03	5.68E-07	1.71E-06	9.92E-07	1.01E-06	9.18E-07	4.19E-07	4.18E-07	0.00E+00	0.00E+00	1.83E-07	3.44E-08	2.18E-07	3.36E-08	3.24E-08	5.01E-07
1717	494461.06	3858951.99	1.65E-03	1.69E-03	1.68E-03	5.72E-07	1.73E-06	1.00E-06	1.02E-06	9.25E-07	4.22E-07	4.22E-07	0.00E+00	0.00E+00	1.84E-07	3.46E-08	2.20E-07	3.39E-08	3.26E-08	5.05E-07
1718	494511.06	3858951.99	1.64E-03	1.67E-03	1.67E-03	5.68E-07	1.71E-06	9.92E-07	1.01E-06	9.18E-07	4.19E-07	4.18E-07	0.00E+00	0.00E+00	1.83E-07	3.44E-08	2.18E-07	3.36E-08	3.24E-08	5.01E-07
1719	494561.06	3858951.99	1.62E-03	1.65E-03	1.65E-03	5.60E-07	1.69E-06	9.79E-07	9.99E-07	9.06E-07	4.13E-07	4.13E-07	0.00E+00	0.00E+00	1.80E-07	3.39E-08	2.15E-07	3.32E-08	3.20E-08	4.95E-07
1720	494611.06	3858951.99	1.59E-03	1.62E-03	1.62E-03	5.50E-07	1.66E-06	9.61E-07	9.80E-07	8.89E-07	4.06E-07	4.05E-07	0.00E+00	0.00E+00	1.77E-07	3.33E-08	2.11E-07	3.26E-08	3.14E-08	4.85E-07
1721	494661.06	3858951.99	1.56E-03	1.59E-03	1.59E-03	5.40E-07	1.63E-06	9.44E-07	9.63E-07	8.73E-07	3.98E-07	3.98E-07	0.00E+00	0.00E+00	1.74E-07	3.27E-08	2.07E-07	3.20E-08	3.08E-08	4.76E-07
1722	494711.06	3858951.99	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.39E-07	8.51E-07	3.89E-07	3.88E-07	0.00E+00	0.00E+00	1.69E-07	3.19E-08	2.02E-07	3.12E-08	3.00E-08	4.65E-07
1723	494761.06	3858951.99	1.49E-03	1.52E-03	1.52E-03	5.17E-07	1.56E-06	9.03E-07	9.22E-07	8.35E-07	3.81E-07	3.81E-07	0.00E+00	0.00E+00	1.66E-07	3.13E-08	1.99E-07	3.06E-08	2.95E-08	4.56E-07
1724	494811.06	3858951.99	1.47E-03	1.50E-03	1.50E-03	5.10E-07	1.54E-06	8.91E-07	9.09E-07	8.24E-07	3.76E-07	3.76E-07	0.00E+00	0.00E+00	1.64E-07	3.09E-08	1.96E-07	3.02E-08	2.91E-08	4.50E-07
1725	494861.06	3858951.99	1.45E-03	1.48E-03	1.48E-03	5.03E-07	1.52E-06	8.78E-07	8.96E-07	8.13E-07	3.71E-07	3.70E-07	0.00E+00	0.00E+00	1.62E-07	3.04E-08	1.93E-07	2.98E-08	2.87E-08	4.44E-07
1726	494911.06	3858951.99	1.42E-03	1.45E-03	1.45E-03	4.93E-07	1.49E-06	8.61E-07	8.79E-07	7.97E-07	3.63E-07	3.63E-07	0.00E+00	0.00E+00	1.58E-07	2.98E-08	1.89E-07	2.92E-08	2.81E-08	4.35E-07
1727	494961.06	3858951.99	1.41E-03	1.44E-03	1.43E-03	4.87E-07	1.47E-06	8.52E-07	8.69E-07	7.88E-07	3.59E-07	3.59E-07	0.00E+00	0.00E+00	1.57E-07	2.95E-08	1.87E-07	2.89E-08	2.78E-08	4.30E-07
1728	495011.06	3858951.99	1.37E-03	1.39E-03	1.39E-03	4.73E-07	1.43E-06	8.27E-07	8.44E-07	7.65E-07	3.49E-07	3.49E-07	0.00E+00	0.00E+00	1.52E-07	2.86E-08	1.82E-07	2.80E-08	2.70E-08	4.17E-07
1729	495061.06	3858951.99	1.33E-03	1.36E-03	1.35E-03	4.60E-07	1.39E-06	8.04E-07	8.20E-07	7.43E-07	3.39E-07	3.39E-07	0.00E+00	0.00E+00	1.48E-07	2.78E-08	1.77E-07	2.72E-08	2.62E-08	4.06E-07

1730	495111.06	3858951.99	1.30E-03	1.33E-03	1.32E-03	4.50E-07	1.36E-06	7.86E-07	8.02E-07	7.27E-07	3.32E-07	3.31E-07	0.00E+00	0.00E+00	1.45E-07	2.72E-08	1.73E-07	2.66E-08	2.56E-08	3.97E-07
1731	495161.06	3858951.99	1.31E-03	1.33E-03	1.33E-03	4.52E-07	1.36E-06	7.90E-07	8.06E-07	7.31E-07	3.34E-07	3.33E-07	0.00E+00	0.00E+00	1.45E-07	2.74E-08	1.74E-07	2.68E-08	2.58E-08	3.99E-07
1732	495211.06	3858951.99	1.30E-03	1.33E-03	1.33E-03	4.50E-07	1.36E-06	7.87E-07	8.03E-07	7.28E-07	3.32E-07	3.32E-07	0.00E+00	0.00E+00	1.45E-07	2.73E-08	1.73E-07	2.67E-08	2.57E-08	3.97E-07
1733	495261.06	3858951.99	1.30E-03	1.32E-03	1.32E-03	4.48E-07	1.35E-06	7.84E-07	8.00E-07	7.25E-07	3.31E-07	3.30E-07	0.00E+00	0.00E+00	1.44E-07	2.71E-08	1.72E-07	2.66E-08	2.56E-08	3.96E-07
1734	495311.06	3858951.99	1.28E-03	1.30E-03	1.30E-03	4.43E-07	1.34E-06	7.74E-07	7.90E-07	7.16E-07	3.27E-07	3.26E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.53E-08	3.91E-07
1735	495361.06	3858951.99	1.27E-03	1.30E-03	1.30E-03	4.41E-07	1.33E-06	7.71E-07	7.87E-07	7.13E-07	3.26E-07	3.25E-07	0.00E+00	0.00E+00	1.42E-07	2.67E-08	1.70E-07	2.61E-08	2.52E-08	3.89E-07
1736	495411.06	3858951.99	1.27E-03	1.30E-03	1.30E-03	4.41E-07	1.33E-06	7.70E-07	7.86E-07	7.12E-07	3.25E-07	3.25E-07	0.00E+00	0.00E+00	1.42E-07	2.67E-08	1.69E-07	2.61E-08	2.51E-08	3.89E-07
1737	495461.06	3858951.99	1.26E-03	1.29E-03	1.29E-03	4.37E-07	1.32E-06	7.65E-07	7.80E-07	7.07E-07	3.23E-07	3.22E-07	0.00E+00	0.00E+00	1.41E-07	2.65E-08	1.68E-07	2.59E-08	2.50E-08	3.86E-07
1738	495511.06	3858951.99	1.26E-03	1.28E-03	1.28E-03	4.36E-07	1.32E-06	7.61E-07	7.77E-07	7.04E-07	3.21E-07	3.21E-07	0.00E+00	0.00E+00	1.40E-07	2.64E-08	1.67E-07	2.58E-08	2.49E-08	3.84E-07
1739	495561.06	3858951.99	1.24E-03	1.26E-03	1.26E-03	4.28E-07	1.29E-06	7.48E-07	7.63E-07	6.92E-07	3.16E-07	3.15E-07	0.00E+00	0.00E+00	1.38E-07	2.59E-08	1.64E-07	2.54E-08	2.44E-08	3.78E-07
1740	495611.06	3858951.99	1.22E-03	1.25E-03	1.25E-03	4.23E-07	1.28E-06	7.40E-07	7.55E-07	6.84E-07	3.12E-07	3.12E-07	0.00E+00	0.00E+00	1.36E-07	2.56E-08	1.63E-07	2.51E-08	2.41E-08	3.73E-07
1741	495661.06	3858951.99	1.22E-03	1.24E-03	1.24E-03	4.21E-07	1.27E-06	7.37E-07	7.52E-07	6.81E-07	3.11E-07	3.11E-07	0.00E+00	0.00E+00	1.36E-07	2.55E-08	1.62E-07	2.50E-08	2.40E-08	3.72E-07
1742	494311.06	3859001.99	1.75E-03	1.78E-03	1.78E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.79E-07	4.47E-07	4.46E-07	0.00E+00	0.00E+00	1.95E-07	3.67E-08	2.33E-07	3.59E-08	3.45E-08	5.34E-07
1743	494361.06	3859001.99	1.74E-03	1.78E-03	1.78E-03	6.03E-07	1.82E-06	1.05E-06	1.08E-06	9.75E-07	4.45E-07	4.44E-07	0.00E+00	0.00E+00	1.94E-07	3.65E-08	2.32E-07	3.57E-08	3.44E-08	5.32E-07
1744	494411.06	3859001.99	1.75E-03	1.78E-03	1.78E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.78E-07	4.46E-07	4.46E-07	0.00E+00	0.00E+00	1.95E-07	3.66E-08	2.32E-07	3.58E-08	3.45E-08	5.34E-07
1745	494461.06	3859001.99	1.73E-03	1.77E-03	1.77E-03	6.00E-07	1.81E-06	1.05E-06	1.07E-06	9.71E-07	4.43E-07	4.42E-07	0.00E+00	0.00E+00	1.93E-07	3.63E-08	2.31E-07	3.56E-08	3.43E-08	5.30E-07
1746	494511.06	3859001.99	1.72E-03	1.76E-03	1.75E-03	5.96E-07	1.80E-06	1.04E-06	1.06E-06	9.63E-07	4.39E-07	4.39E-07	0.00E+00	0.00E+00	1.92E-07	3.61E-08	2.29E-07	3.53E-08	3.40E-08	5.26E-07
1747	494561.06	3859001.99	1.69E-03	1.72E-03	1.72E-03	5.84E-07	1.76E-06	1.02E-06	1.04E-06	9.45E-07	4.31E-07	4.31E-07	0.00E+00	0.00E+00	1.88E-07	3.54E-08	2.24E-07	3.46E-08	3.33E-08	5.16E-07
1748	494611.06	3859001.99	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.28E-07	4.24E-07	4.23E-07	0.00E+00	0.00E+00	1.85E-07	3.48E-08	2.21E-07	3.40E-08	3.28E-08	5.07E-07
1749	494661.06	3859001.99	1.62E-03	1.66E-03	1.65E-03	5.62E-07	1.70E-06	9.82E-07	1.00E-06	9.08E-07	4.14E-07	4.14E-07	0.00E+00	0.00E+00	1.81E-07	3.40E-08	2.16E-07	3.33E-08	3.21E-08	4.96E-07
1750	494711.06	3859001.99	1.58E-03	1.61E-03	1.61E-03	5.48E-07	1.65E-06	9.58E-07	9.77E-07	8.86E-07	4.04E-07	4.04E-07	0.00E+00	0.00E+00	1.76E-07	3.32E-08	2.10E-07	3.25E-08	3.13E-08	4.84E-07
1751	494761.06	3859001.99	1.56E-03	1.59E-03	1.59E-03	5.39E-07	1.63E-06	9.42E-07	9.62E-07	8.72E-07	3.98E-07	3.97E-07	0.00E+00	0.00E+00	1.73E-07	3.26E-08	2.07E-07	3.19E-08	3.08E-08	4.76E-07
1752	494811.06	3859001.99	1.54E-03	1.57E-03	1.57E-03	5.33E-07	1.61E-06	9.32E-07	9.51E-07	8.62E-07	3.93E-07	3.93E-07	0.00E+00	0.00E+00	1.72E-07	3.23E-08	2.05E-07	3.16E-08	3.04E-08	4.71E-07
1753	494861.06	3859001.99	1.51E-03	1.54E-03	1.54E-03	5.24E-07	1.58E-06	9.16E-07	9.35E-07	8.47E-07	3.87E-07	3.86E-07	0.00E+00	0.00E+00	1.69E-07	3.17E-08	2.01E-07	3.10E-08	2.99E-08	4.63E-07
1754	494911.06	3859001.99	1.49E-03	1.52E-03	1.51E-03	5.14E-07	1.55E-06	8.99E-07	9.17E-07	8.32E-07	3.79E-07	3.79E-07	0.00E+00	0.00E+00	1.65E-07	3.11E-08	1.98E-07	3.05E-08	2.93E-08	4.54E-07
1755	494961.06	3859001.99	1.46E-03	1.49E-03	1.49E-03	5.05E-07	1.52E-06	8.82E-07	9.00E-07	8.16E-07	3.72E-07	3.72E-07	0.00E+00	0.00E+00	1.62E-07	3.05E-08	1.94E-07	2.99E-08	2.88E-08	4.45E-07
1756	495011.06	3859001.99	1.39E-03	1.42E-03	1.42E-03	4.81E-07	1.45E-06	8.41E-07	8.59E-07	7.78E-07	3.55E-07	3.55E-07	0.00E+00	0.00E+00	1.55E-07	2.91E-08	1.85E-07	2.85E-08	2.75E-08	4.25E-07
1757	495061.06	3859001.99	1.37E-03	1.40E-03	1.40E-03	4.76E-07	1.44E-06	8.32E-07	8.49E-07	7.69E-07	3.51E-07	3.51E-07	0.00E+00	0.00E+00	1.53E-07	2.88E-08	1.83E-07	2.82E-08	2.71E-08	4.20E-07
1758	495111.06	3859001.99	1.34E-03	1.37E-03	1.37E-03	4.66E-07	1.41E-06	8.14E-07	8.30E-07	7.53E-07	3.43E-07	3.43E-07	0.00E+00	0.00E+00	1.50E-07	2.82E-08	1.79E-07	2.76E-08	2.66E-08	4.11E-07
1759	495161.06	3859001.99	1.36E-03	1.39E-03	1.39E-03	4.71E-07	1.42E-06	8.23E-07	8.40E-07	7.61E-07	3.47E-07	3.47E-07	0.00E+00	0.00E+00	1.51E-07	2.85E-08	1.81E-07	2.79E-08	2.69E-08	4.15E-07
1760	495211.06	3859001.99	1.35E-03	1.38E-03	1.38E-03	4.67E-07	1.41E-06	8.17E-07	8.34E-07	7.56E-07	3.45E-07	3.44E-07	0.00E+00	0.00E+00	1.50E-07	2.83E-08	1.80E-07	2.77E-08	2.67E-08	4.12E-07
1761	495261.06	3859001.99	1.35E-03	1.37E-03	1.37E-03	4.66E-07	1.41E-06	8.14E-07	8.31E-07	7.53E-07	3.44E-07	3.43E-07	0.00E+00	0.00E+00	1.50E-07	2.82E-08	1.79E-07	2.76E-08	2.66E-08	4.11E-07
1762	495311.06	3859001.99	1.33E-03	1.36E-03	1.36E-03	4.62E-07	1.39E-06	8.07E-07	8.24E-07	7.47E-07	3.41E-07	3.40E-07	0.00E+00	0.00E+00	1.49E-07	2.80E-08	1.77E-07	2.74E-08	2.64E-08	4.08E-07
1763	495361.06	3859001.99	1.33E-03	1.36E-03	1.35E-03	4.60E-07	1.39E-06	8.04E-07	8.21E-07	7.44E-07	3.39E-07	3.39E-07	0.00E+00	0.00E+00	1.48E-07	2.79E-08	1.77E-07	2.73E-08	2.63E-08	4.06E-07
1764	495411.06	3859001.99	1.32E-03	1.35E-03	1.35E-03	4.57E-07	1.38E-06	7.99E-07	8.16E-07	7.39E-07	3.37E-07	3.37E-07	0.00E+00	0.00E+00	1.47E-07	2.77E-08	1.76E-07	2.71E-08	2.61E-08	4.04E-07
1765	495461.06	3859001.99	1.31E-03	1.34E-03	1.34E-03	4.55E-07	1.37E-06	7.95E-07	8.11E-07	7.36E-07	3.36E-07	3.35E-07	0.00E+00	0.00E+00	1.46E-07	2.75E-08	1.75E-07	2.70E-08	2.60E-08	4.02E-07
1766	495511.06	3859001.99	1.30E-03	1.32E-03	1.32E-03	4.48E-07	1.35E-06	7.84E-07	8.00E-07	7.25E-07	3.31E-07	3.30E-07	0.00E+00	0.00E+00	1.44E-07	2.71E-08	1.72E-07	2.66E-08	2.56E-08	3.96E-07
1767	495561.06	3859001.99	1.28E-03	1.31E-03	1.31E-03	4.44E-07	1.34E-06	7.76E-07	7.92E-07	7.18E-07	3.28E-07	3.27E-07	0.00E+00	0.00E+00	1.43E-07	2.69E-08	1.71E-07	2.63E-08	2.53E-08	3.92E-07
1768	495611.06	3859001.99	1.27E-03	1.30E-03	1.29E-03	4.39E-07	1.33E-06	7.68E-07	7.84E-07	7.10E-07	3.24E-07	3.24E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.60E-08	2.51E-08	3.88E-07
1769	495661.06	3859001.99	1.27E-03	1.30E-03	1.30E-03	4.40E-07	1.33E-06	7.69E-07	7.85E-07	7.11E-07	3.25E-07	3.24E-07	0.00E+00	0.00E+00	1.42E-07	2.66E-08	1.69E-07	2.61E-08	2.51E-08	3.88E-07
1770	494311.06	3859051.99	1.85E-03	1.89E-03	1.88E-03	6.40E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.72E-07	4.71E-07	0.00E+00	0.00E+00	2.06E-07	3.87E-08	2.46E-07	3.79E-08	3.65E-08	5.65E-07
1771	494361.06	3859051.99	1.86E-03	1.90E-03	1.89E-03	6.43E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.74E-07	4.74E-07	0.00E+00	0.00E+00	2.07E-07	3.89E-08	2.47E-07	3.81E-08	3.67E-08	5.68E-07
1772	494411.06	3859051.99	1.84E-03	1.88E-03	1.87E-03	6.36E-07	1.92E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.69E-07	0.00E+00	0.00E+00	2.05E-07	3.85E-08	2.44E-07	3.77E-08	3.63E-08	5.61E-07
1773	494461.06	3859051.99	1.81E-03	1.85E-03	1.85E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.63E-07	4.63E-07	0.00E+00	0.00E+00	2.02E-07	3.80E-08	2.41E-07	3.72E-08	3.58E-08	5.54E-07
1774	494511.06	3859051.99	1.78E-03	1.82E-03	1.82E-03	6.18E-07	1.86E-06	1.08E-06	1.10E-06	9.99E-07	4.56E-07	4.55E-07	0.00E+00	0.00E+00	1.99E-07	3.74E-08	2.37E-07	3.66E-08	3.52E-08	5.45E-07
1775	494561.06	3859051.99	1.76E-03	1.80E-03	1.79E-03	6.09E-07	1.84E-06	1.06E-06	1.09E-06	9.85E-07	4.49E-07	4.49E-07	0.00E+00	0.00E+00	1.96E-07	3.69E-08	2.34E-07	3.61E-08	3.47E-08	5.37E-07
1776	494611.06	3859051.99	1.73E-03	1.76E-03	1.76E-03	5.98E-07	1.80E-06	1.04E-06	1.07E-06	9.66E-07	4.41E-07	4.40E-07	0.00E+00	0.00E+00	1.92E-07	3.62E-08	2.30E-07	3.54E-08	3.41E-08	5.27E-07
1777	494661.06	3859051.99	1.69E-03	1.73E-03	1.72E-03	5.85E-07	1.77E-06	1.02E-06	1.04E-06	9.47E-07	4.32E-07	4.31E-07	0.00E+00	0.00E+00	1.88E-07	3.54E-08	2.25E-07	3.47E-08	3.34E-08	5.17E-07
1778	494711.06	3859051.99	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.29E-07	4.24E-07	4.23E-07	0.00E+00	0.00E+00	1.85E-07	3.48E-08	2.21E-07	3.40E-08	3.28E-08	5.07E-07
1779	494761.06	3859051.99	1.63E-03	1.66E-03	1.66E-03	5.63E-07	1.70E-06	9.84E-07	1.00E-06	9.10E-07	4.15E-07	4.15E-07	0.00E+00	0.00E+00	1.81E-07	3.41E-08	2.16E-07	3.34E-08	3.21E-08	4.97E-07
1780	494811.06	3859051.99	1.60E-03	1.64E-03	1.63E-03	5.55E-07	1.67E-06	9.70E-07	9.89E-07	8.97E-07	4.09E-07	4.09E-07	0.00E+00	0.00E+00	1.78E-07	3.36E-08	2.13E-07	3.29E-08	3.16E-08	4.90E-07
1781	494861.06	3859051.99	1.58E-03	1.61E-03	1.61E-03	5.46E-07	1.65E-06	9.55E-07	9.74E-07	8.83E-07	4.03E-07	4.03E-07	0.00E+00	0.00E+00	1.76E-07	3.31E-08	2.10E-07	3.24E-08	3.12E-08	4.82E-07
1782	494911.06	3859051.99	1.54E-03	1.57E-03	1.57E-03	5.34E-07	1.61E-06	9.33E-07	9.52E-07	8.63E-07	3.94E-07	3.93E-07	0.00E+00	0.00E+00	1.72E-07	3.23E-08	2.05E-07	3.16E-08	3.05E-08	4.71E-07
1783	494961.06	3859051.99	1.49E-03	1.52E-03	1.52E-03	5.17E-07	1.56E-06	9.04E-07	9.22E-07	8.36E-07	3.81E-07	3.81E-07	0.00E+00	0.00E+00	1.66E-07	3.13E-08	1.99E-07	3.06E-08	2.95E-08	4.56E-07
1784	495011.06	3859051.99	1.46E-03	1.49E-03	1.48E-03	5.04E-07	1.52E-06	8.81E-07	8.99E-07	8.15E-07	3.72E-07	3.71E-07	0.00E+00	0.00E+00	1.62E-07	3.05E-08	1.94E-07	2.99E-08	2.88E-08	4.45E-07
1785	495061.06	3859051.99	1.43E-03	1.46E-03	1.46E-03	4.95E-07	1.50E-06	8.66E-07	8.83E-07	8.01E-07	3.65E-07	3.65E-07	0.00E+00	0.00E+00	1.59E-07	3.00E-08	1.90E-07	2.93E-08	2.83E-08	4.37E-07

1786	495111.06	3859051.99	1.41E-03	1.44E-03	1.44E-03	4.90E-07	1.48E-06	8.56E-07	8.73E-07	7.92E-07	3.61E-07	3.61E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.90E-08	2.79E-08	4.32E-07
1787	495161.06	3859051.99	1.42E-03	1.45E-03	1.45E-03	4.91E-07	1.48E-06	8.59E-07	8.77E-07	7.95E-07	3.63E-07	3.62E-07	0.00E+00	0.00E+00	1.58E-07	2.98E-08	1.89E-07	2.91E-08	2.80E-08	4.34E-07
1788	495211.06	3859051.99	1.40E-03	1.43E-03	1.43E-03	4.85E-07	1.46E-06	8.48E-07	8.65E-07	7.84E-07	3.58E-07	3.57E-07	0.00E+00	0.00E+00	1.56E-07	2.94E-08	1.86E-07	2.87E-08	2.77E-08	4.28E-07
1789	495261.06	3859051.99	1.40E-03	1.43E-03	1.43E-03	4.85E-07	1.46E-06	8.48E-07	8.65E-07	7.84E-07	3.58E-07	3.57E-07	0.00E+00	0.00E+00	1.56E-07	2.94E-08	1.86E-07	2.87E-08	2.77E-08	4.28E-07
1790	495311.06	3859051.99	1.39E-03	1.42E-03	1.41E-03	4.80E-07	1.45E-06	8.39E-07	8.57E-07	7.76E-07	3.54E-07	3.54E-07	0.00E+00	0.00E+00	1.54E-07	2.91E-08	1.84E-07	2.84E-08	2.74E-08	4.24E-07
1791	495361.06	3859051.99	1.38E-03	1.41E-03	1.41E-03	4.77E-07	1.44E-06	8.34E-07	8.51E-07	7.72E-07	3.52E-07	3.52E-07	0.00E+00	0.00E+00	1.54E-07	2.89E-08	1.83E-07	2.83E-08	2.72E-08	4.21E-07
1792	495411.06	3859051.99	1.37E-03	1.40E-03	1.40E-03	4.76E-07	1.44E-06	8.32E-07	8.49E-07	7.69E-07	3.51E-07	3.51E-07	0.00E+00	0.00E+00	1.53E-07	2.88E-08	1.83E-07	2.82E-08	2.71E-08	4.20E-07
1793	495461.06	3859051.99	1.37E-03	1.40E-03	1.40E-03	4.74E-07	1.43E-06	8.29E-07	8.45E-07	7.66E-07	3.50E-07	3.49E-07	0.00E+00	0.00E+00	1.52E-07	2.87E-08	1.82E-07	2.81E-08	2.70E-08	4.18E-07
1794	495511.06	3859051.99	1.35E-03	1.38E-03	1.37E-03	4.67E-07	1.41E-06	8.16E-07	8.33E-07	7.55E-07	3.44E-07	3.44E-07	0.00E+00	0.00E+00	1.50E-07	2.83E-08	1.79E-07	2.77E-08	2.66E-08	4.12E-07
1795	495561.06	3859051.99	1.33E-03	1.36E-03	1.36E-03	4.61E-07	1.39E-06	8.06E-07	8.22E-07	7.45E-07	3.40E-07	3.40E-07	0.00E+00	0.00E+00	1.48E-07	2.79E-08	1.77E-07	2.73E-08	2.63E-08	4.07E-07
1796	495611.06	3859051.99	1.32E-03	1.34E-03	1.34E-03	4.56E-07	1.38E-06	7.97E-07	8.13E-07	7.37E-07	3.36E-07	3.36E-07	0.00E+00	0.00E+00	1.47E-07	2.76E-08	1.75E-07	2.70E-08	2.60E-08	4.02E-07
1797	495661.06	3859051.99	1.32E-03	1.34E-03	1.34E-03	4.56E-07	1.38E-06	7.97E-07	8.13E-07	7.37E-07	3.36E-07	3.36E-07	0.00E+00	0.00E+00	1.47E-07	2.76E-08	1.75E-07	2.70E-08	2.60E-08	4.02E-07
1798	494311.06	3859101.99	1.97E-03	2.01E-03	2.01E-03	6.82E-07	2.06E-06	1.19E-06	1.22E-06	1.10E-06	5.03E-07	5.02E-07	0.00E+00	0.00E+00	2.19E-07	4.13E-08	2.62E-07	4.04E-08	3.89E-08	6.02E-07
1799	494361.06	3859101.99	1.95E-03	1.99E-03	1.99E-03	6.75E-07	2.04E-06	1.18E-06	1.20E-06	1.09E-06	4.98E-07	4.97E-07	0.00E+00	0.00E+00	2.17E-07	4.08E-08	2.59E-07	4.00E-08	3.85E-08	5.96E-07
1800	494411.06	3859101.99	1.93E-03	1.97E-03	1.97E-03	6.69E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.94E-07	4.93E-07	0.00E+00	0.00E+00	2.15E-07	4.05E-08	2.57E-07	3.96E-08	3.82E-08	5.90E-07
1801	494461.06	3859101.99	1.91E-03	1.94E-03	1.94E-03	6.60E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.87E-07	4.86E-07	0.00E+00	0.00E+00	2.12E-07	3.99E-08	2.53E-07	3.91E-08	3.76E-08	5.82E-07
1802	494511.06	3859101.99	1.87E-03	1.91E-03	1.90E-03	6.46E-07	1.95E-06	1.13E-06	1.15E-06	1.05E-06	4.77E-07	4.76E-07	0.00E+00	0.00E+00	2.08E-07	3.91E-08	2.48E-07	3.83E-08	3.69E-08	5.70E-07
1803	494561.06	3859101.99	1.84E-03	1.87E-03	1.87E-03	6.36E-07	1.92E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.69E-07	0.00E+00	0.00E+00	2.05E-07	3.85E-08	2.44E-07	3.77E-08	3.63E-08	5.61E-07
1804	494611.06	3859101.99	1.79E-03	1.83E-03	1.83E-03	6.21E-07	1.87E-06	1.09E-06	1.11E-06	1.00E-06	4.58E-07	4.57E-07	0.00E+00	0.00E+00	2.00E-07	3.76E-08	2.38E-07	3.68E-08	3.54E-08	5.48E-07
1805	494661.06	3859101.99	1.77E-03	1.80E-03	1.80E-03	6.11E-07	1.84E-06	1.07E-06	1.09E-06	9.88E-07	4.51E-07	4.50E-07	0.00E+00	0.00E+00	1.96E-07	3.70E-08	2.35E-07	3.62E-08	3.49E-08	5.39E-07
1806	494711.06	3859101.99	1.72E-03	1.75E-03	1.75E-03	5.95E-07	1.80E-06	1.04E-06	1.06E-06	9.61E-07	4.39E-07	4.38E-07	0.00E+00	0.00E+00	1.91E-07	3.60E-08	2.28E-07	3.52E-08	3.39E-08	5.25E-07
1807	494761.06	3859101.99	1.70E-03	1.74E-03	1.74E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.53E-07	4.35E-07	4.34E-07	0.00E+00	0.00E+00	1.90E-07	3.57E-08	2.26E-07	3.49E-08	3.36E-08	5.20E-07
1808	494811.06	3859101.99	1.67E-03	1.71E-03	1.70E-03	5.79E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.27E-07	4.26E-07	0.00E+00	0.00E+00	1.86E-07	3.50E-08	2.22E-07	3.43E-08	3.30E-08	5.11E-07
1809	494861.06	3859101.99	1.64E-03	1.68E-03	1.67E-03	5.69E-07	1.72E-06	9.94E-07	1.01E-06	9.20E-07	4.20E-07	4.19E-07	0.00E+00	0.00E+00	1.83E-07	3.44E-08	2.18E-07	3.37E-08	3.25E-08	5.02E-07
1810	494911.06	3859101.99	1.60E-03	1.64E-03	1.64E-03	5.55E-07	1.68E-06	9.71E-07	9.91E-07	8.98E-07	4.10E-07	4.09E-07	0.00E+00	0.00E+00	1.79E-07	3.36E-08	2.13E-07	3.29E-08	3.17E-08	4.90E-07
1811	494961.06	3859101.99	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.37E-07	9.57E-07	8.67E-07	3.96E-07	3.95E-07	0.00E+00	0.00E+00	1.72E-07	3.25E-08	2.06E-07	3.18E-08	3.06E-08	4.73E-07
1812	495011.06	3859101.99	1.49E-03	1.52E-03	1.52E-03	5.17E-07	1.56E-06	9.04E-07	9.22E-07	8.36E-07	3.82E-07	3.81E-07	0.00E+00	0.00E+00	1.66E-07	3.13E-08	1.99E-07	3.06E-08	2.95E-08	4.56E-07
1813	495061.06	3859101.99	1.49E-03	1.52E-03	1.52E-03	5.16E-07	1.56E-06	9.01E-07	9.19E-07	8.34E-07	3.80E-07	3.80E-07	0.00E+00	0.00E+00	1.66E-07	3.12E-08	1.98E-07	3.05E-08	2.94E-08	4.55E-07
1814	495111.06	3859101.99	1.47E-03	1.50E-03	1.50E-03	5.09E-07	1.54E-06	8.90E-07	9.08E-07	8.23E-07	3.76E-07	3.75E-07	0.00E+00	0.00E+00	1.64E-07	3.08E-08	1.96E-07	3.02E-08	2.90E-08	4.49E-07
1815	495161.06	3859101.99	1.47E-03	1.50E-03	1.50E-03	5.11E-07	1.54E-06	8.92E-07	9.11E-07	8.25E-07	3.77E-07	3.76E-07	0.00E+00	0.00E+00	1.64E-07	3.09E-08	1.96E-07	3.02E-08	2.91E-08	4.51E-07
1816	495211.06	3859101.99	1.46E-03	1.49E-03	1.49E-03	5.05E-07	1.52E-06	8.82E-07	9.00E-07	8.16E-07	3.72E-07	3.72E-07	0.00E+00	0.00E+00	1.62E-07	3.05E-08	1.94E-07	2.99E-08	2.88E-08	4.45E-07
1817	495261.06	3859101.99	1.45E-03	1.48E-03	1.48E-03	5.03E-07	1.52E-06	8.79E-07	8.97E-07	8.13E-07	3.71E-07	3.71E-07	0.00E+00	0.00E+00	1.62E-07	3.04E-08	1.93E-07	2.98E-08	2.87E-08	4.44E-07
1818	495311.06	3859101.99	1.44E-03	1.47E-03	1.47E-03	4.98E-07	1.50E-06	8.70E-07	8.88E-07	8.05E-07	3.67E-07	3.67E-07	0.00E+00	0.00E+00	1.60E-07	3.01E-08	1.91E-07	2.95E-08	2.84E-08	4.39E-07
1819	495361.06	3859101.99	1.44E-03	1.47E-03	1.47E-03	4.98E-07	1.50E-06	8.71E-07	8.89E-07	8.06E-07	3.68E-07	3.67E-07	0.00E+00	0.00E+00	1.60E-07	3.02E-08	1.91E-07	2.95E-08	2.84E-08	4.40E-07
1820	495411.06	3859101.99	1.43E-03	1.46E-03	1.46E-03	4.95E-07	1.50E-06	8.66E-07	8.84E-07	8.01E-07	3.66E-07	3.65E-07	0.00E+00	0.00E+00	1.59E-07	3.00E-08	1.90E-07	2.93E-08	2.83E-08	4.37E-07
1821	495461.06	3859101.99	1.41E-03	1.44E-03	1.44E-03	4.88E-07	1.47E-06	8.52E-07	8.70E-07	7.88E-07	3.60E-07	3.59E-07	0.00E+00	0.00E+00	1.57E-07	2.95E-08	1.87E-07	2.89E-08	2.78E-08	4.30E-07
1822	495511.06	3859101.99	1.40E-03	1.43E-03	1.42E-03	4.84E-07	1.46E-06	8.45E-07	8.63E-07	7.82E-07	3.57E-07	3.56E-07	0.00E+00	0.00E+00	1.56E-07	2.93E-08	1.86E-07	2.87E-08	2.76E-08	4.27E-07
1823	495561.06	3859101.99	1.39E-03	1.42E-03	1.41E-03	4.80E-07	1.45E-06	8.40E-07	8.57E-07	7.77E-07	3.54E-07	3.54E-07	0.00E+00	0.00E+00	1.54E-07	2.91E-08	1.85E-07	2.85E-08	2.74E-08	4.24E-07
1824	495611.06	3859101.99	1.37E-03	1.40E-03	1.40E-03	4.74E-07	1.43E-06	8.29E-07	8.45E-07	7.66E-07	3.50E-07	3.49E-07	0.00E+00	0.00E+00	1.52E-07	2.87E-08	1.82E-07	2.81E-08	2.70E-08	4.18E-07
1825	495661.06	3859101.99	1.36E-03	1.39E-03	1.39E-03	4.72E-07	1.43E-06	8.25E-07	8.42E-07	7.63E-07	3.48E-07	3.48E-07	0.00E+00	0.00E+00	1.52E-07	2.86E-08	1.81E-07	2.80E-08	2.69E-08	4.17E-07
1826	494311.06	3859151.99	2.07E-03	2.11E-03	2.11E-03	7.17E-07	2.17E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	5.29E-07	0.00E+00	0.00E+00	2.31E-07	4.34E-08	2.76E-07	4.25E-08	4.09E-08	6.33E-07
1827	494361.06	3859151.99	2.06E-03	2.10E-03	2.10E-03	7.12E-07	2.15E-06	1.24E-06	1.27E-06	1.15E-06	5.25E-07	5.25E-07	0.00E+00	0.00E+00	2.29E-07	4.31E-08	2.74E-07	4.22E-08	4.06E-08	6.28E-07
1828	494411.06	3859151.99	2.02E-03	2.06E-03	2.06E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	5.16E-07	0.00E+00	0.00E+00	2.25E-07	4.24E-08	2.69E-07	4.15E-08	3.99E-08	6.18E-07
1829	494461.06	3859151.99	1.99E-03	2.03E-03	2.03E-03	6.88E-07	2.08E-06	1.20E-06	1.23E-06	1.11E-06	5.07E-07	5.07E-07	0.00E+00	0.00E+00	2.21E-07	4.16E-08	2.64E-07	4.07E-08	3.92E-08	6.07E-07
1830	494511.06	3859151.99	1.94E-03	1.98E-03	1.98E-03	6.73E-07	2.03E-06	1.18E-06	1.20E-06	1.09E-06	4.96E-07	4.96E-07	0.00E+00	0.00E+00	2.16E-07	4.07E-08	2.58E-07	3.98E-08	3.84E-08	5.94E-07
1831	494561.06	3859151.99	1.92E-03	1.96E-03	1.95E-03	6.63E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.89E-07	4.89E-07	0.00E+00	0.00E+00	2.13E-07	4.02E-08	2.55E-07	3.93E-08	3.78E-08	5.85E-07
1832	494611.06	3859151.99	1.87E-03	1.91E-03	1.91E-03	6.49E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.78E-07	4.78E-07	0.00E+00	0.00E+00	2.09E-07	3.93E-08	2.49E-07	3.84E-08	3.70E-08	5.72E-07
1833	494661.06	3859151.99	1.85E-03	1.88E-03	1.88E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.71E-07	4.71E-07	0.00E+00	0.00E+00	2.05E-07	3.87E-08	2.45E-07	3.78E-08	3.64E-08	5.64E-07
1834	494711.06	3859151.99	1.82E-03	1.86E-03	1.86E-03	6.30E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.65E-07	4.64E-07	0.00E+00	0.00E+00	2.03E-07	3.82E-08	2.42E-07	3.73E-08	3.60E-08	5.56E-07
1835	494761.06	3859151.99	1.77E-03	1.81E-03	1.81E-03	6.14E-07	1.85E-06	1.07E-06	1.10E-06	9.93E-07	4.53E-07	4.53E-07	0.00E+00	0.00E+00	1.97E-07	3.72E-08	2.36E-07	3.64E-08	3.50E-08	5.42E-07
1836	494811.06	3859151.99	1.74E-03	1.77E-03	1.77E-03	6.01E-07	1.81E-06	1.05E-06	1.07E-06	9.71E-07	4.43E-07	4.43E-07	0.00E+00	0.00E+00	1.93E-07	3.64E-08	2.31E-07	3.56E-08	3.43E-08	5.30E-07
1837	494861.06	3859151.99	1.71E-03	1.74E-03	1.74E-03	5.92E-07	1.79E-06	1.03E-06	1.06E-06	9.57E-07	4.37E-07	4.36E-07	0.00E+00	0.00E+00	1.90E-07	3.58E-08	2.27E-07	3.51E-08	3.38E-08	5.22E-07
1838	494911.06	3859151.99	1.66E-03	1.70E-03	1.70E-03	5.76E-07	1.74E-06	1.01E-06	1.03E-06	9.31E-07	4.25E-07	4.25E-07	0.00E+00	0.00E+00	1.85E-07	3.49E-08	2.21E-07	3.41E-08	3.29E-08	5.08E-07
1839	494961.06	3859151.99	1.60E-03	1.63E-03	1.63E-03	5.54E-07	1.67E-06	9.69E-07	9.88E-07	8.96E-07	4.09E-07	4.08E-07	0.00E+00	0.00E+00	1.78E-07	3.36E-08	2.13E-07	3.28E-08	3.16E-08	4.89E-07
1840	495011.06	3859151.99	1.55E-03	1.59E-03	1.58E-03	5.38E-07	1.62E-06	9.40E-07	9.60E-07	8.70E-07	3.97E-07	3.96E-07	0.00E+00	0.00E+00	1.73E-07	3.26E-08	2.07E-07	3.19E-08	3.07E-08	4.75E-07
1841	495061.06	3859151.99	1.54E-03	1.58E-03	1.57E-03	5.35E-07	1.61E-06	9.34E-07	9.54E-07	8.64E-07	3.94E-07	3.94E-07	0.00E+00	0.00E+00	1.72E-07	3.24E-08	2.05E-07	3.17E-08	3.05E-08	4.72E-07

1842	495111.06	3859151.99	1.53E-03	1.56E-03	1.56E-03	5.30E-07	1.60E-06	9.26E-07	9.45E-07	8.56E-07	3.91E-07	3.90E-07	0.00E+00	0.00E+00	1.70E-07	3.21E-08	2.03E-07	3.14E-08	3.02E-08	4.67E-07
1843	495161.06	3859151.99	1.53E-03	1.57E-03	1.56E-03	5.31E-07	1.60E-06	9.28E-07	9.47E-07	8.59E-07	3.92E-07	3.91E-07	0.00E+00	0.00E+00	1.71E-07	3.21E-08	2.04E-07	3.15E-08	3.03E-08	4.69E-07
1844	495211.06	3859151.99	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.39E-07	8.52E-07	3.89E-07	3.88E-07	0.00E+00	0.00E+00	1.69E-07	3.19E-08	2.02E-07	3.12E-08	3.01E-08	4.65E-07
1845	495261.06	3859151.99	1.51E-03	1.54E-03	1.54E-03	5.23E-07	1.58E-06	9.13E-07	9.32E-07	8.45E-07	3.86E-07	3.85E-07	0.00E+00	0.00E+00	1.68E-07	3.16E-08	2.01E-07	3.10E-08	2.98E-08	4.61E-07
1846	495311.06	3859151.99	1.50E-03	1.53E-03	1.53E-03	5.19E-07	1.57E-06	9.08E-07	9.26E-07	8.39E-07	3.83E-07	3.83E-07	0.00E+00	0.00E+00	1.67E-07	3.14E-08	1.99E-07	3.08E-08	2.96E-08	4.58E-07
1847	495361.06	3859151.99	1.49E-03	1.52E-03	1.52E-03	5.15E-07	1.56E-06	9.01E-07	9.19E-07	8.33E-07	3.80E-07	3.80E-07	0.00E+00	0.00E+00	1.66E-07	3.12E-08	1.98E-07	3.05E-08	2.94E-08	4.55E-07
1848	495411.06	3859151.99	1.49E-03	1.52E-03	1.52E-03	5.16E-07	1.56E-06	9.02E-07	9.20E-07	8.34E-07	3.81E-07	3.80E-07	0.00E+00	0.00E+00	1.66E-07	3.12E-08	1.98E-07	3.06E-08	2.94E-08	4.55E-07
1849	495461.06	3859151.99	1.48E-03	1.51E-03	1.51E-03	5.13E-07	1.55E-06	8.96E-07	9.14E-07	8.29E-07	3.78E-07	3.78E-07	0.00E+00	0.00E+00	1.65E-07	3.10E-08	1.97E-07	3.04E-08	2.92E-08	4.52E-07
1850	495511.06	3859151.99	1.46E-03	1.49E-03	1.49E-03	5.05E-07	1.52E-06	8.83E-07	9.01E-07	8.17E-07	3.73E-07	3.72E-07	0.00E+00	0.00E+00	1.62E-07	3.06E-08	1.94E-07	2.99E-08	2.88E-08	4.46E-07
1851	495561.06	3859151.99	1.44E-03	1.47E-03	1.47E-03	4.99E-07	1.51E-06	8.73E-07	8.90E-07	8.07E-07	3.68E-07	3.68E-07	0.00E+00	0.00E+00	1.61E-07	3.02E-08	1.92E-07	2.96E-08	2.85E-08	4.41E-07
1852	495611.06	3859151.99	1.43E-03	1.46E-03	1.45E-03	4.94E-07	1.49E-06	8.64E-07	8.81E-07	7.99E-07	3.65E-07	3.64E-07	0.00E+00	0.00E+00	1.59E-07	2.99E-08	1.90E-07	2.93E-08	2.82E-08	4.36E-07
1853	495661.06	3859151.99	1.41E-03	1.44E-03	1.44E-03	4.90E-07	1.48E-06	8.56E-07	8.73E-07	7.91E-07	3.61E-07	3.61E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.90E-08	2.79E-08	4.32E-07
1854	494311.06	3859201.99	2.18E-03	2.22E-03	2.22E-03	7.54E-07	2.28E-06	1.32E-06	1.34E-06	1.22E-06	5.56E-07	5.56E-07	0.00E+00	0.00E+00	2.42E-07	4.56E-08	2.90E-07	4.47E-08	4.30E-08	6.65E-07
1855	494361.06	3859201.99	2.15E-03	2.20E-03	2.19E-03	7.45E-07	2.25E-06	1.30E-06	1.33E-06	1.20E-06	5.50E-07	5.49E-07	0.00E+00	0.00E+00	2.40E-07	4.51E-08	2.86E-07	4.41E-08	4.25E-08	6.58E-07
1856	494411.06	3859201.99	2.12E-03	2.16E-03	2.16E-03	7.34E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.41E-07	5.41E-07	0.00E+00	0.00E+00	2.36E-07	4.44E-08	2.82E-07	4.35E-08	4.19E-08	6.47E-07
1857	494461.06	3859201.99	2.07E-03	2.12E-03	2.11E-03	7.18E-07	2.17E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	5.29E-07	0.00E+00	0.00E+00	2.31E-07	4.34E-08	2.76E-07	4.25E-08	4.10E-08	6.33E-07
1858	494511.06	3859201.99	2.04E-03	2.08E-03	2.08E-03	7.07E-07	2.13E-06	1.24E-06	1.26E-06	1.14E-06	5.21E-07	5.21E-07	0.00E+00	0.00E+00	2.27E-07	4.28E-08	2.72E-07	4.19E-08	4.03E-08	6.24E-07
1859	494561.06	3859201.99	1.99E-03	2.03E-03	2.03E-03	6.90E-07	2.08E-06	1.21E-06	1.23E-06	1.12E-06	5.09E-07	5.08E-07	0.00E+00	0.00E+00	2.22E-07	4.18E-08	2.65E-07	4.09E-08	3.94E-08	6.09E-07
1860	494611.06	3859201.99	1.95E-03	1.99E-03	1.99E-03	6.77E-07	2.04E-06	1.18E-06	1.21E-06	1.09E-06	4.99E-07	4.99E-07	0.00E+00	0.00E+00	2.18E-07	4.10E-08	2.60E-07	4.01E-08	3.86E-08	5.97E-07
1861	494661.06	3859201.99	1.92E-03	1.96E-03	1.96E-03	6.66E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.91E-07	4.91E-07	0.00E+00	0.00E+00	2.14E-07	4.03E-08	2.56E-07	3.94E-08	3.80E-08	5.88E-07
1862	494711.06	3859201.99	1.89E-03	1.93E-03	1.93E-03	6.55E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.83E-07	4.83E-07	0.00E+00	0.00E+00	2.11E-07	3.97E-08	2.52E-07	3.88E-08	3.74E-08	5.78E-07
1863	494761.06	3859201.99	1.85E-03	1.88E-03	1.88E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.71E-07	4.71E-07	0.00E+00	0.00E+00	2.05E-07	3.87E-08	2.45E-07	3.79E-08	3.65E-08	5.64E-07
1864	494811.06	3859201.99	1.81E-03	1.84E-03	1.84E-03	6.26E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.62E-07	4.61E-07	0.00E+00	0.00E+00	2.01E-07	3.79E-08	2.40E-07	3.71E-08	3.57E-08	5.52E-07
1865	494861.06	3859201.99	1.76E-03	1.79E-03	1.79E-03	6.09E-07	1.84E-06	1.06E-06	1.09E-06	9.84E-07	4.49E-07	4.49E-07	0.00E+00	0.00E+00	1.96E-07	3.69E-08	2.34E-07	3.61E-08	3.47E-08	5.37E-07
1866	494911.06	3859201.99	1.71E-03	1.75E-03	1.75E-03	5.93E-07	1.79E-06	1.04E-06	1.06E-06	9.58E-07	4.37E-07	4.37E-07	0.00E+00	0.00E+00	1.91E-07	3.59E-08	2.28E-07	3.51E-08	3.38E-08	5.23E-07
1867	494961.06	3859201.99	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.29E-07	4.24E-07	4.23E-07	0.00E+00	0.00E+00	1.85E-07	3.48E-08	2.21E-07	3.40E-08	3.28E-08	5.07E-07
1868	495011.06	3859201.99	1.59E-03	1.63E-03	1.62E-03	5.52E-07	1.67E-06	9.64E-07	9.84E-07	8.92E-07	4.07E-07	4.06E-07	0.00E+00	0.00E+00	1.77E-07	3.34E-08	2.12E-07	3.27E-08	3.15E-08	4.87E-07
1869	495061.06	3859201.99	1.61E-03	1.64E-03	1.64E-03	5.57E-07	1.68E-06	9.74E-07	9.94E-07	9.01E-07	4.11E-07	4.10E-07	0.00E+00	0.00E+00	1.79E-07	3.37E-08	2.14E-07	3.30E-08	3.18E-08	4.92E-07
1870	495111.06	3859201.99	1.60E-03	1.63E-03	1.63E-03	5.54E-07	1.67E-06	9.69E-07	9.89E-07	8.97E-07	4.09E-07	4.09E-07	0.00E+00	0.00E+00	1.78E-07	3.36E-08	2.13E-07	3.28E-08	3.16E-08	4.89E-07
1871	495161.06	3859201.99	1.59E-03	1.62E-03	1.62E-03	5.51E-07	1.66E-06	9.63E-07	9.83E-07	8.91E-07	4.07E-07	4.06E-07	0.00E+00	0.00E+00	1.77E-07	3.34E-08	2.12E-07	3.26E-08	3.14E-08	4.86E-07
1872	495211.06	3859201.99	1.57E-03	1.61E-03	1.60E-03	5.45E-07	1.64E-06	9.52E-07	9.71E-07	8.81E-07	4.02E-07	4.01E-07	0.00E+00	0.00E+00	1.75E-07	3.30E-08	2.09E-07	3.23E-08	3.11E-08	4.81E-07
1873	495261.06	3859201.99	1.57E-03	1.60E-03	1.60E-03	5.42E-07	1.64E-06	9.48E-07	9.68E-07	8.77E-07	4.00E-07	4.00E-07	0.00E+00	0.00E+00	1.74E-07	3.28E-08	2.08E-07	3.21E-08	3.10E-08	4.79E-07
1874	495311.06	3859201.99	1.56E-03	1.59E-03	1.59E-03	5.39E-07	1.63E-06	9.42E-07	9.61E-07	8.71E-07	3.98E-07	3.97E-07	0.00E+00	0.00E+00	1.73E-07	3.26E-08	2.07E-07	3.19E-08	3.07E-08	4.76E-07
1875	495361.06	3859201.99	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.37E-07	9.56E-07	8.66E-07	3.95E-07	3.95E-07	0.00E+00	0.00E+00	1.72E-07	3.24E-08	2.06E-07	3.17E-08	3.06E-08	4.73E-07
1876	495411.06	3859201.99	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.36E-07	9.56E-07	8.66E-07	3.95E-07	3.95E-07	0.00E+00	0.00E+00	1.72E-07	3.24E-08	2.06E-07	3.17E-08	3.06E-08	4.73E-07
1877	495461.06	3859201.99	1.53E-03	1.56E-03	1.56E-03	5.31E-07	1.60E-06	9.28E-07	9.47E-07	8.58E-07	3.92E-07	3.91E-07	0.00E+00	0.00E+00	1.71E-07	3.21E-08	2.04E-07	3.14E-08	3.03E-08	4.68E-07
1878	495511.06	3859201.99	1.52E-03	1.55E-03	1.55E-03	5.26E-07	1.59E-06	9.20E-07	9.38E-07	8.51E-07	3.88E-07	3.88E-07	0.00E+00	0.00E+00	1.69E-07	3.19E-08	2.02E-07	3.12E-08	3.00E-08	4.64E-07
1879	495561.06	3859201.99	1.50E-03	1.53E-03	1.52E-03	5.18E-07	1.56E-06	9.05E-07	9.23E-07	8.37E-07	3.82E-07	3.81E-07	0.00E+00	0.00E+00	1.66E-07	3.13E-08	1.99E-07	3.07E-08	2.95E-08	4.57E-07
1880	495611.06	3859201.99	1.48E-03	1.51E-03	1.51E-03	5.11E-07	1.54E-06	8.94E-07	9.12E-07	8.27E-07	3.77E-07	3.77E-07	0.00E+00	0.00E+00	1.64E-07	3.10E-08	1.96E-07	3.03E-08	2.92E-08	4.51E-07
1881	495661.06	3859201.99	1.46E-03	1.49E-03	1.49E-03	5.07E-07	1.53E-06	8.85E-07	9.03E-07	8.19E-07	3.74E-07	3.73E-07	0.00E+00	0.00E+00	1.63E-07	3.07E-08	1.95E-07	3.00E-08	2.89E-08	4.47E-07
1882	494311.06	3859251.99	2.29E-03	2.34E-03	2.33E-03	7.93E-07	2.39E-06	1.39E-06	1.41E-06	1.28E-06	5.85E-07	5.84E-07	0.00E+00	0.00E+00	2.55E-07	4.80E-08	3.05E-07	4.70E-08	4.52E-08	7.00E-07
1883	494361.06	3859251.99	2.25E-03	2.30E-03	2.29E-03	7.79E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.75E-07	5.74E-07	0.00E+00	0.00E+00	2.50E-07	4.72E-08	2.99E-07	4.61E-08	4.44E-08	6.87E-07
1884	494411.06	3859251.99	2.20E-03	2.24E-03	2.24E-03	7.61E-07	2.30E-06	1.33E-06	1.36E-06	1.23E-06	5.61E-07	5.61E-07	0.00E+00	0.00E+00	2.45E-07	4.61E-08	2.92E-07	4.51E-08	4.34E-08	6.72E-07
1885	494461.06	3859251.99	2.16E-03	2.21E-03	2.20E-03	7.49E-07	2.26E-06	1.31E-06	1.34E-06	1.21E-06	5.53E-07	5.52E-07	0.00E+00	0.00E+00	2.41E-07	4.53E-08	2.88E-07	4.44E-08	4.27E-08	6.61E-07
1886	494511.06	3859251.99	2.11E-03	2.15E-03	2.15E-03	7.30E-07	2.21E-06	1.28E-06	1.30E-06	1.18E-06	5.39E-07	5.38E-07	0.00E+00	0.00E+00	2.35E-07	4.42E-08	2.81E-07	4.33E-08	4.17E-08	6.45E-07
1887	494561.06	3859251.99	2.07E-03	2.12E-03	2.11E-03	7.18E-07	2.17E-06	1.25E-06	1.28E-06	1.16E-06	5.30E-07	5.29E-07	0.00E+00	0.00E+00	2.31E-07	4.35E-08	2.76E-07	4.25E-08	4.10E-08	6.34E-07
1888	494611.06	3859251.99	2.03E-03	2.07E-03	2.07E-03	7.02E-07	2.12E-06	1.23E-06	1.25E-06	1.14E-06	5.18E-07	5.18E-07	0.00E+00	0.00E+00	2.26E-07	4.25E-08	2.70E-07	4.16E-08	4.01E-08	6.20E-07
1889	494661.06	3859251.99	2.00E-03	2.04E-03	2.04E-03	6.93E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.12E-07	5.11E-07	0.00E+00	0.00E+00	2.23E-07	4.20E-08	2.66E-07	4.11E-08	3.96E-08	6.12E-07
1890	494711.06	3859251.99	1.97E-03	2.01E-03	2.01E-03	6.82E-07	2.06E-06	1.19E-06	1.22E-06	1.10E-06	5.03E-07	5.02E-07	0.00E+00	0.00E+00	2.19E-07	4.13E-08	2.62E-07	4.04E-08	3.89E-08	6.02E-07
1891	494761.06	3859251.99	1.89E-03	1.93E-03	1.93E-03	6.54E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.83E-07	4.82E-07	0.00E+00	0.00E+00	2.10E-07	3.96E-08	2.51E-07	3.87E-08	3.73E-08	5.77E-07
1892	494811.06	3859251.99	1.88E-03	1.92E-03	1.92E-03	6.51E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.80E-07	4.79E-07	0.00E+00	0.00E+00	2.09E-07	3.94E-08	2.50E-07	3.85E-08	3.71E-08	5.74E-07
1893	494861.06	3859251.99	1.81E-03	1.84E-03	1.84E-03	6.25E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.61E-07	4.61E-07	0.00E+00	0.00E+00	2.01E-07	3.79E-08	2.40E-07	3.70E-08	3.57E-08	5.52E-07
1894	494911.06	3859251.99	1.76E-03	1.80E-03	1.79E-03	6.09E-07	1.84E-06	1.07E-06	1.09E-06	9.85E-07	4.50E-07	4.49E-07	0.00E+00	0.00E+00	1.96E-07	3.69E-08	2.34E-07	3.61E-08	3.48E-08	5.38E-07
1895	494961.06	3859251.99	1.73E-03	1.76E-03	1.76E-03	5.99E-07	1.81E-06	1.05E-06	1.07E-06	9.68E-07	4.42E-07	4.41E-07	0.00E+00	0.00E+00	1.93E-07	3.62E-08	2.30E-07	3.55E-08	3.42E-08	5.28E-07
1896	495011.06	3859251.99	1.69E-03	1.73E-03	1.73E-03	5.86E-07	1.77E-06	1.02E-06	1.05E-06	9.48E-07	4.33E-07	4.32E-07	0.00E+00	0.00E+00	1.89E-07	3.55E-08	2.25E-07	3.47E-08	3.35E-08	5.17E-07
1897	495061.06	3859251.99	1.69E-03	1.72E-03	1.72E-03	5.84E-07	1.76E-06	1.02E-06	1.04E-06	9.45E-07	4.31E-07	4.31E-07	0.00E+00	0.00E+00	1.88E-07	3.54E-08	2.25E-07	3.46E-08	3.33E-08	5.16E-07

1898	495111.06	3859251.99	1.67E-03	1.70E-03	1.70E-03	5.78E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.27E-07	4.26E-07	0.00E+00	0.00E+00	1.86E-07	3.50E-08	2.22E-07	3.43E-08	3.30E-08	5.10E-07
1899	495161.06	3859251.99	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.28E-07	4.24E-07	4.23E-07	0.00E+00	0.00E+00	1.85E-07	3.48E-08	2.21E-07	3.40E-08	3.28E-08	5.07E-07
1900	495211.06	3859251.99	1.64E-03	1.67E-03	1.67E-03	5.68E-07	1.71E-06	9.92E-07	1.01E-06	9.18E-07	4.19E-07	4.18E-07	0.00E+00	0.00E+00	1.83E-07	3.44E-08	2.18E-07	3.36E-08	3.24E-08	5.01E-07
1901	495261.06	3859251.99	1.62E-03	1.66E-03	1.65E-03	5.62E-07	1.70E-06	9.82E-07	1.00E-06	9.08E-07	4.14E-07	4.14E-07	0.00E+00	0.00E+00	1.81E-07	3.40E-08	2.16E-07	3.33E-08	3.21E-08	4.96E-07
1902	495311.06	3859251.99	1.62E-03	1.66E-03	1.65E-03	5.62E-07	1.70E-06	9.82E-07	1.00E-06	9.08E-07	4.14E-07	4.14E-07	0.00E+00	0.00E+00	1.81E-07	3.40E-08	2.16E-07	3.33E-08	3.21E-08	4.96E-07
1903	495361.06	3859251.99	1.61E-03	1.64E-03	1.64E-03	5.57E-07	1.68E-06	9.74E-07	9.94E-07	9.01E-07	4.11E-07	4.11E-07	0.00E+00	0.00E+00	1.79E-07	3.37E-08	2.14E-07	3.30E-08	3.18E-08	4.92E-07
1904	495411.06	3859251.99	1.61E-03	1.64E-03	1.64E-03	5.56E-07	1.68E-06	9.72E-07	9.92E-07	8.99E-07	4.10E-07	4.10E-07	0.00E+00	0.00E+00	1.79E-07	3.37E-08	2.14E-07	3.29E-08	3.17E-08	4.91E-07
1905	495461.06	3859251.99	1.59E-03	1.62E-03	1.62E-03	5.51E-07	1.66E-06	9.63E-07	9.83E-07	8.91E-07	4.07E-07	4.06E-07	0.00E+00	0.00E+00	1.77E-07	3.34E-08	2.12E-07	3.26E-08	3.14E-08	4.86E-07
1906	495511.06	3859251.99	1.57E-03	1.60E-03	1.60E-03	5.42E-07	1.64E-06	9.47E-07	9.67E-07	8.76E-07	4.00E-07	3.99E-07	0.00E+00	0.00E+00	1.74E-07	3.28E-08	2.08E-07	3.21E-08	3.09E-08	4.78E-07
1907	495561.06	3859251.99	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.37E-07	9.56E-07	8.67E-07	3.96E-07	3.95E-07	0.00E+00	0.00E+00	1.72E-07	3.25E-08	2.06E-07	3.18E-08	3.06E-08	4.73E-07
1908	495611.06	3859251.99	1.53E-03	1.56E-03	1.56E-03	5.28E-07	1.60E-06	9.23E-07	9.42E-07	8.54E-07	3.90E-07	3.89E-07	0.00E+00	0.00E+00	1.70E-07	3.20E-08	2.03E-07	3.13E-08	3.01E-08	4.66E-07
1909	495661.06	3859251.99	1.51E-03	1.54E-03	1.54E-03	5.22E-07	1.58E-06	9.13E-07	9.32E-07	8.45E-07	3.85E-07	3.85E-07	0.00E+00	0.00E+00	1.68E-07	3.16E-08	2.01E-07	3.10E-08	2.98E-08	4.61E-07
1910	494311.06	3859301.99	2.40E-03	2.45E-03	2.45E-03	8.31E-07	2.51E-06	1.45E-06	1.48E-06	1.34E-06	6.13E-07	6.13E-07	0.00E+00	0.00E+00	2.67E-07	5.03E-08	3.19E-07	4.92E-08	4.74E-08	7.34E-07
1911	494361.06	3859301.99	2.36E-03	2.40E-03	2.40E-03	8.16E-07	2.46E-06	1.43E-06	1.45E-06	1.32E-06	6.02E-07	6.01E-07	0.00E+00	0.00E+00	2.62E-07	4.94E-08	3.13E-07	4.83E-08	4.65E-08	7.20E-07
1912	494411.06	3859301.99	2.30E-03	2.35E-03	2.34E-03	7.96E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.87E-07	5.87E-07	0.00E+00	0.00E+00	2.56E-07	4.82E-08	3.06E-07	4.72E-08	4.54E-08	7.03E-07
1913	494461.06	3859301.99	2.24E-03	2.29E-03	2.29E-03	7.77E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.73E-07	5.73E-07	0.00E+00	0.00E+00	2.50E-07	4.70E-08	2.99E-07	4.60E-08	4.43E-08	6.86E-07
1914	494511.06	3859301.99	2.20E-03	2.24E-03	2.24E-03	7.61E-07	2.30E-06	1.33E-06	1.36E-06	1.23E-06	5.61E-07	5.60E-07	0.00E+00	0.00E+00	2.45E-07	4.60E-08	2.92E-07	4.51E-08	4.34E-08	6.71E-07
1915	494561.06	3859301.99	2.16E-03	2.20E-03	2.20E-03	7.47E-07	2.26E-06	1.31E-06	1.33E-06	1.21E-06	5.51E-07	5.51E-07	0.00E+00	0.00E+00	2.40E-07	4.53E-08	2.87E-07	4.43E-08	4.26E-08	6.60E-07
1916	494611.06	3859301.99	2.12E-03	2.16E-03	2.16E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.41E-07	5.40E-07	0.00E+00	0.00E+00	2.36E-07	4.44E-08	2.82E-07	4.34E-08	4.18E-08	6.47E-07
1917	494661.06	3859301.99	2.08E-03	2.12E-03	2.12E-03	7.20E-07	2.17E-06	1.26E-06	1.28E-06	1.16E-06	5.31E-07	5.30E-07	0.00E+00	0.00E+00	2.31E-07	4.36E-08	2.76E-07	4.26E-08	4.11E-08	6.35E-07
1918	494711.06	3859301.99	2.03E-03	2.07E-03	2.07E-03	7.04E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.19E-07	5.19E-07	0.00E+00	0.00E+00	2.26E-07	4.26E-08	2.70E-07	4.17E-08	4.02E-08	6.21E-07
1919	494761.06	3859301.99	1.99E-03	2.03E-03	2.03E-03	6.90E-07	2.08E-06	1.21E-06	1.23E-06	1.12E-06	5.09E-07	5.08E-07	0.00E+00	0.00E+00	2.22E-07	4.18E-08	2.65E-07	4.09E-08	3.94E-08	6.09E-07
1920	494811.06	3859301.99	1.94E-03	1.98E-03	1.98E-03	6.71E-07	2.03E-06	1.17E-06	1.20E-06	1.09E-06	4.95E-07	4.95E-07	0.00E+00	0.00E+00	2.16E-07	4.07E-08	2.58E-07	3.98E-08	3.83E-08	5.93E-07
1921	494861.06	3859301.99	1.87E-03	1.91E-03	1.91E-03	6.48E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.78E-07	4.77E-07	0.00E+00	0.00E+00	2.08E-07	3.92E-08	2.49E-07	3.84E-08	3.70E-08	5.72E-07
1922	494911.06	3859301.99	1.83E-03	1.87E-03	1.87E-03	6.35E-07	1.92E-06	1.11E-06	1.13E-06	1.03E-06	4.68E-07	4.68E-07	0.00E+00	0.00E+00	2.04E-07	3.84E-08	2.44E-07	3.76E-08	3.62E-08	5.60E-07
1923	494961.06	3859301.99	1.77E-03	1.80E-03	1.80E-03	6.12E-07	1.85E-06	1.07E-06	1.09E-06	9.89E-07	4.51E-07	4.51E-07	0.00E+00	0.00E+00	1.97E-07	3.70E-08	2.35E-07	3.62E-08	3.49E-08	5.40E-07
1924	495011.06	3859301.99	1.74E-03	1.78E-03	1.77E-03	6.02E-07	1.82E-06	1.05E-06	1.07E-06	9.74E-07	4.44E-07	4.44E-07	0.00E+00	0.00E+00	1.94E-07	3.65E-08	2.31E-07	3.57E-08	3.44E-08	5.32E-07
1925	495061.06	3859301.99	1.75E-03	1.79E-03	1.79E-03	6.06E-07	1.83E-06	1.06E-06	1.08E-06	9.80E-07	4.47E-07	4.47E-07	0.00E+00	0.00E+00	1.95E-07	3.67E-08	2.33E-07	3.59E-08	3.46E-08	5.35E-07
1926	495111.06	3859301.99	1.72E-03	1.76E-03	1.75E-03	5.96E-07	1.80E-06	1.04E-06	1.06E-06	9.63E-07	4.39E-07	4.39E-07	0.00E+00	0.00E+00	1.92E-07	3.61E-08	2.29E-07	3.53E-08	3.40E-08	5.26E-07
1927	495161.06	3859301.99	1.71E-03	1.75E-03	1.74E-03	5.93E-07	1.79E-06	1.04E-06	1.06E-06	9.58E-07	4.37E-07	4.37E-07	0.00E+00	0.00E+00	1.91E-07	3.59E-08	2.28E-07	3.51E-08	3.38E-08	5.23E-07
1928	495211.06	3859301.99	1.71E-03	1.75E-03	1.74E-03	5.92E-07	1.79E-06	1.04E-06	1.06E-06	9.58E-07	4.37E-07	4.36E-07	0.00E+00	0.00E+00	1.90E-07	3.59E-08	2.28E-07	3.51E-08	3.38E-08	5.23E-07
1929	495261.06	3859301.99	1.70E-03	1.74E-03	1.73E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.53E-07	4.35E-07	4.34E-07	0.00E+00	0.00E+00	1.89E-07	3.57E-08	2.26E-07	3.49E-08	3.36E-08	5.20E-07
1930	495311.06	3859301.99	1.68E-03	1.71E-03	1.71E-03	5.80E-07	1.75E-06	1.01E-06	1.04E-06	9.38E-07	4.28E-07	4.28E-07	0.00E+00	0.00E+00	1.87E-07	3.51E-08	2.23E-07	3.44E-08	3.31E-08	5.12E-07
1931	495361.06	3859301.99	1.67E-03	1.70E-03	1.70E-03	5.78E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.27E-07	4.26E-07	0.00E+00	0.00E+00	1.86E-07	3.50E-08	2.22E-07	3.43E-08	3.30E-08	5.10E-07
1932	495411.06	3859301.99	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.28E-07	4.24E-07	4.23E-07	0.00E+00	0.00E+00	1.85E-07	3.48E-08	2.21E-07	3.40E-08	3.28E-08	5.07E-07
1933	495461.06	3859301.99	1.65E-03	1.68E-03	1.68E-03	5.71E-07	1.72E-06	9.98E-07	1.02E-06	9.23E-07	4.21E-07	4.21E-07	0.00E+00	0.00E+00	1.84E-07	3.46E-08	2.19E-07	3.38E-08	3.26E-08	5.04E-07
1934	495511.06	3859301.99	1.63E-03	1.66E-03	1.66E-03	5.63E-07	1.70E-06	9.83E-07	1.00E-06	9.10E-07	4.15E-07	4.15E-07	0.00E+00	0.00E+00	1.81E-07	3.41E-08	2.16E-07	3.33E-08	3.21E-08	4.97E-07
1935	495561.06	3859301.99	1.59E-03	1.62E-03	1.62E-03	5.51E-07	1.66E-06	9.63E-07	9.83E-07	8.91E-07	4.07E-07	4.06E-07	0.00E+00	0.00E+00	1.77E-07	3.34E-08	2.12E-07	3.26E-08	3.14E-08	4.86E-07
1936	495611.06	3859301.99	1.57E-03	1.61E-03	1.60E-03	5.45E-07	1.65E-06	9.53E-07	9.72E-07	8.81E-07	4.02E-07	4.02E-07	0.00E+00	0.00E+00	1.75E-07	3.30E-08	2.09E-07	3.23E-08	3.11E-08	4.81E-07
1937	495661.06	3859301.99	1.56E-03	1.59E-03	1.59E-03	5.39E-07	1.63E-06	9.42E-07	9.61E-07	8.71E-07	3.98E-07	3.97E-07	0.00E+00	0.00E+00	1.73E-07	3.26E-08	2.07E-07	3.19E-08	3.07E-08	4.76E-07
1938	494311.06	3859351.99	2.50E-03	2.55E-03	2.55E-03	8.66E-07	2.62E-06	1.51E-06	1.55E-06	1.40E-06	6.39E-07	6.38E-07	0.00E+00	0.00E+00	2.79E-07	5.24E-08	3.33E-07	5.13E-08	4.94E-08	7.65E-07
1939	494361.06	3859351.99	2.45E-03	2.50E-03	2.50E-03	8.49E-07	2.56E-06	1.48E-06	1.51E-06	1.37E-06	6.26E-07	6.26E-07	0.00E+00	0.00E+00	2.73E-07	5.14E-08	3.26E-07	5.03E-08	4.84E-08	7.49E-07
1940	494411.06	3859351.99	2.39E-03	2.44E-03	2.43E-03	8.26E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.10E-07	6.09E-07	0.00E+00	0.00E+00	2.66E-07	5.00E-08	3.17E-07	4.90E-08	4.71E-08	7.29E-07
1941	494461.06	3859351.99	2.33E-03	2.38E-03	2.38E-03	8.07E-07	2.44E-06	1.41E-06	1.44E-06	1.31E-06	5.95E-07	5.95E-07	0.00E+00	0.00E+00	2.60E-07	4.89E-08	3.10E-07	4.78E-08	4.61E-08	7.12E-07
1942	494511.06	3859351.99	2.28E-03	2.33E-03	2.33E-03	7.90E-07	2.39E-06	1.38E-06	1.41E-06	1.28E-06	5.83E-07	5.82E-07	0.00E+00	0.00E+00	2.54E-07	4.78E-08	3.04E-07	4.68E-08	4.51E-08	6.97E-07
1943	494561.06	3859351.99	2.25E-03	2.29E-03	2.29E-03	7.77E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.73E-07	5.73E-07	0.00E+00	0.00E+00	2.50E-07	4.71E-08	2.99E-07	4.60E-08	4.43E-08	6.86E-07
1944	494611.06	3859351.99	2.20E-03	2.25E-03	2.25E-03	7.63E-07	2.30E-06	1.33E-06	1.36E-06	1.23E-06	5.63E-07	5.62E-07	0.00E+00	0.00E+00	2.45E-07	4.62E-08	2.93E-07	4.52E-08	4.35E-08	6.73E-07
1945	494661.06	3859351.99	2.16E-03	2.20E-03	2.20E-03	7.48E-07	2.26E-06	1.31E-06	1.33E-06	1.21E-06	5.52E-07	5.51E-07	0.00E+00	0.00E+00	2.40E-07	4.53E-08	2.87E-07	4.43E-08	4.27E-08	6.60E-07
1946	494711.06	3859351.99	2.11E-03	2.15E-03	2.15E-03	7.30E-07	2.20E-06	1.28E-06	1.30E-06	1.18E-06	5.38E-07	5.38E-07	0.00E+00	0.00E+00	2.35E-07	4.42E-08	2.80E-07	4.32E-08	4.16E-08	6.44E-07
1947	494761.06	3859351.99	2.04E-03	2.08E-03	2.08E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.20E-07	5.19E-07	0.00E+00	0.00E+00	2.27E-07	4.27E-08	2.71E-07	4.18E-08	4.02E-08	6.22E-07
1948	494811.06	3859351.99	1.97E-03	2.01E-03	2.01E-03	6.81E-07	2.06E-06	1.19E-06	1.21E-06	1.10E-06	5.03E-07	5.02E-07	0.00E+00	0.00E+00	2.19E-07	4.12E-08	2.62E-07	4.04E-08	3.89E-08	6.01E-07
1949	494861.06	3859351.99	1.93E-03	1.97E-03	1.97E-03	6.70E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.94E-07	4.93E-07	0.00E+00	0.00E+00	2.15E-07	4.05E-08	2.57E-07	3.97E-08	3.82E-08	5.91E-07
1950	494911.06	3859351.99	1.91E-03	1.95E-03	1.95E-03	6.61E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.88E-07	4.87E-07	0.00E+00	0.00E+00	2.13E-07	4.00E-08	2.54E-07	3.92E-08	3.77E-08	5.83E-07
1951	494961.06	3859351.99	1.87E-03	1.91E-03	1.91E-03	6.48E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.78E-07	4.78E-07	0.00E+00	0.00E+00	2.08E-07	3.92E-08	2.49E-07	3.84E-08	3.70E-08	5.72E-07
1952	495011.06	3859351.99	1.84E-03	1.88E-03	1.88E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.71E-07	4.71E-07	0.00E+00	0.00E+00	2.05E-07	3.87E-08	2.45E-07	3.78E-08	3.64E-08	5.64E-07
1953	495061.06	3859351.99	1.85E-03	1.89E-03	1.88E-03	6.40E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.72E-07	4.72E-07	0.00E+00	0.00E+00	2.06E-07	3.87E-08	2.46E-07	3.79E-08	3.65E-08	5.65E-07

1954	495111.06	3859351.99	1.82E-03	1.86E-03	1.85E-03	6.30E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.65E-07	4.64E-07	0.00E+00	0.00E+00	2.02E-07	3.81E-08	2.42E-07	3.73E-08	3.59E-08	5.56E-07
1955	495161.06	3859351.99	1.80E-03	1.84E-03	1.84E-03	6.24E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.60E-07	4.59E-07	0.00E+00	0.00E+00	2.01E-07	3.77E-08	2.40E-07	3.69E-08	3.56E-08	5.50E-07
1956	495211.06	3859351.99	1.78E-03	1.82E-03	1.82E-03	6.17E-07	1.86E-06	1.08E-06	1.10E-06	9.98E-07	4.55E-07	4.55E-07	0.00E+00	0.00E+00	1.98E-07	3.74E-08	2.37E-07	3.66E-08	3.52E-08	5.45E-07
1957	495261.06	3859351.99	1.77E-03	1.81E-03	1.81E-03	6.13E-07	1.85E-06	1.07E-06	1.09E-06	9.92E-07	4.52E-07	4.52E-07	0.00E+00	0.00E+00	1.97E-07	3.71E-08	2.36E-07	3.63E-08	3.50E-08	5.41E-07
1958	495311.06	3859351.99	1.75E-03	1.78E-03	1.78E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.78E-07	4.46E-07	4.46E-07	0.00E+00	0.00E+00	1.94E-07	3.66E-08	2.32E-07	3.58E-08	3.45E-08	5.34E-07
1959	495361.06	3859351.99	1.73E-03	1.77E-03	1.76E-03	5.99E-07	1.81E-06	1.05E-06	1.07E-06	9.68E-07	4.42E-07	4.41E-07	0.00E+00	0.00E+00	1.93E-07	3.63E-08	2.30E-07	3.55E-08	3.42E-08	5.29E-07
1960	495411.06	3859351.99	1.72E-03	1.75E-03	1.75E-03	5.95E-07	1.80E-06	1.04E-06	1.06E-06	9.62E-07	4.39E-07	4.38E-07	0.00E+00	0.00E+00	1.91E-07	3.60E-08	2.29E-07	3.52E-08	3.39E-08	5.25E-07
1961	495461.06	3859351.99	1.71E-03	1.75E-03	1.74E-03	5.92E-07	1.79E-06	1.04E-06	1.06E-06	9.58E-07	4.37E-07	4.36E-07	0.00E+00	0.00E+00	1.90E-07	3.59E-08	2.28E-07	3.51E-08	3.38E-08	5.23E-07
1962	495511.06	3859351.99	1.68E-03	1.71E-03	1.71E-03	5.82E-07	1.76E-06	1.02E-06	1.04E-06	9.40E-07	4.29E-07	4.29E-07	0.00E+00	0.00E+00	1.87E-07	3.52E-08	2.23E-07	3.44E-08	3.32E-08	5.13E-07
1963	495561.06	3859351.99	1.66E-03	1.69E-03	1.69E-03	5.73E-07	1.73E-06	1.00E-06	1.02E-06	9.27E-07	4.23E-07	4.22E-07	0.00E+00	0.00E+00	1.84E-07	3.47E-08	2.20E-07	3.39E-08	3.27E-08	5.06E-07
1964	495611.06	3859351.99	1.64E-03	1.67E-03	1.67E-03	5.67E-07	1.71E-06	9.90E-07	1.01E-06	9.16E-07	4.18E-07	4.17E-07	0.00E+00	0.00E+00	1.82E-07	3.43E-08	2.18E-07	3.36E-08	3.23E-08	5.00E-07
1965	495661.06	3859351.99	1.61E-03	1.64E-03	1.64E-03	5.56E-07	1.68E-06	9.72E-07	9.92E-07	8.99E-07	4.10E-07	4.10E-07	0.00E+00	0.00E+00	1.79E-07	3.37E-08	2.14E-07	3.29E-08	3.17E-08	4.91E-07
1966	494311.06	3859401.99	2.62E-03	2.67E-03	2.67E-03	9.07E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.69E-07	6.69E-07	0.00E+00	0.00E+00	2.92E-07	5.49E-08	3.49E-07	5.37E-08	5.18E-08	8.01E-07
1967	494361.06	3859401.99	2.55E-03	2.60E-03	2.60E-03	8.82E-07	2.66E-06	1.54E-06	1.57E-06	1.43E-06	6.51E-07	6.50E-07	0.00E+00	0.00E+00	2.84E-07	5.34E-08	3.39E-07	5.23E-08	5.03E-08	7.79E-07
1968	494411.06	3859401.99	2.48E-03	2.53E-03	2.52E-03	8.57E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.32E-07	6.32E-07	0.00E+00	0.00E+00	2.76E-07	5.19E-08	3.29E-07	5.08E-08	4.89E-08	7.56E-07
1969	494461.06	3859401.99	2.42E-03	2.47E-03	2.47E-03	8.38E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.18E-07	6.18E-07	0.00E+00	0.00E+00	2.70E-07	5.08E-08	3.22E-07	4.97E-08	4.78E-08	7.40E-07
1970	494511.06	3859401.99	2.38E-03	2.43E-03	2.43E-03	8.25E-07	2.49E-06	1.44E-06	1.47E-06	1.33E-06	6.09E-07	6.08E-07	0.00E+00	0.00E+00	2.65E-07	5.00E-08	3.17E-07	4.89E-08	4.71E-08	7.28E-07
1971	494561.06	3859401.99	2.34E-03	2.39E-03	2.39E-03	8.10E-07	2.45E-06	1.42E-06	1.45E-06	1.31E-06	5.98E-07	5.97E-07	0.00E+00	0.00E+00	2.61E-07	4.91E-08	3.11E-07	4.80E-08	4.62E-08	7.15E-07
1972	494611.06	3859401.99	2.29E-03	2.34E-03	2.33E-03	7.93E-07	2.39E-06	1.39E-06	1.41E-06	1.28E-06	5.85E-07	5.84E-07	0.00E+00	0.00E+00	2.55E-07	4.80E-08	3.04E-07	4.70E-08	4.52E-08	6.99E-07
1973	494661.06	3859401.99	2.25E-03	2.30E-03	2.29E-03	7.79E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.75E-07	5.74E-07	0.00E+00	0.00E+00	2.51E-07	4.72E-08	2.99E-07	4.62E-08	4.45E-08	6.88E-07
1974	494711.06	3859401.99	2.21E-03	2.25E-03	2.25E-03	7.64E-07	2.31E-06	1.34E-06	1.36E-06	1.24E-06	5.64E-07	5.63E-07	0.00E+00	0.00E+00	2.46E-07	4.63E-08	2.94E-07	4.53E-08	4.36E-08	6.75E-07
1975	494761.06	3859401.99	2.12E-03	2.17E-03	2.16E-03	7.35E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.42E-07	5.42E-07	0.00E+00	0.00E+00	2.36E-07	4.45E-08	2.82E-07	4.35E-08	4.19E-08	6.49E-07
1976	494811.06	3859401.99	2.08E-03	2.12E-03	2.12E-03	7.20E-07	2.18E-06	1.26E-06	1.28E-06	1.16E-06	5.32E-07	5.31E-07	0.00E+00	0.00E+00	2.32E-07	4.36E-08	2.77E-07	4.27E-08	4.11E-08	6.36E-07
1977	494861.06	3859401.99	2.02E-03	2.06E-03	2.06E-03	6.98E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.15E-07	5.15E-07	0.00E+00	0.00E+00	2.25E-07	4.23E-08	2.68E-07	4.14E-08	3.99E-08	6.16E-07
1978	494911.06	3859401.99	1.97E-03	2.01E-03	2.01E-03	6.82E-07	2.06E-06	1.19E-06	1.22E-06	1.10E-06	5.03E-07	5.03E-07	0.00E+00	0.00E+00	2.19E-07	4.13E-08	2.62E-07	4.04E-08	3.89E-08	6.02E-07
1979	494961.06	3859401.99	1.95E-03	1.99E-03	1.99E-03	6.75E-07	2.04E-06	1.18E-06	1.20E-06	1.09E-06	4.98E-07	4.98E-07	0.00E+00	0.00E+00	2.17E-07	4.09E-08	2.59E-07	4.00E-08	3.85E-08	5.96E-07
1980	495011.06	3859401.99	1.93E-03	1.97E-03	1.97E-03	6.68E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.93E-07	4.92E-07	0.00E+00	0.00E+00	2.15E-07	4.05E-08	2.57E-07	3.96E-08	3.81E-08	5.90E-07
1981	495061.06	3859401.99	1.91E-03	1.95E-03	1.94E-03	6.60E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.87E-07	4.86E-07	0.00E+00	0.00E+00	2.12E-07	4.00E-08	2.54E-07	3.91E-08	3.77E-08	5.83E-07
1982	495111.06	3859401.99	1.87E-03	1.91E-03	1.91E-03	6.49E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.79E-07	4.78E-07	0.00E+00	0.00E+00	2.09E-07	3.93E-08	2.49E-07	3.85E-08	3.70E-08	5.73E-07
1983	495161.06	3859401.99	1.87E-03	1.90E-03	1.90E-03	6.46E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.77E-07	4.76E-07	0.00E+00	0.00E+00	2.08E-07	3.91E-08	2.48E-07	3.83E-08	3.69E-08	5.70E-07
1984	495211.06	3859401.99	1.86E-03	1.89E-03	1.89E-03	6.43E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.74E-07	4.73E-07	0.00E+00	0.00E+00	2.07E-07	3.89E-08	2.47E-07	3.81E-08	3.67E-08	5.67E-07
1985	495261.06	3859401.99	1.84E-03	1.87E-03	1.87E-03	6.36E-07	1.92E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.68E-07	0.00E+00	0.00E+00	2.04E-07	3.85E-08	2.44E-07	3.77E-08	3.63E-08	5.61E-07
1986	495311.06	3859401.99	1.82E-03	1.85E-03	1.85E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.64E-07	4.63E-07	0.00E+00	0.00E+00	2.02E-07	3.80E-08	2.41E-07	3.72E-08	3.59E-08	5.55E-07
1987	495361.06	3859401.99	1.81E-03	1.84E-03	1.84E-03	6.26E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.62E-07	4.61E-07	0.00E+00	0.00E+00	2.01E-07	3.79E-08	2.40E-07	3.71E-08	3.57E-08	5.52E-07
1988	495411.06	3859401.99	1.79E-03	1.83E-03	1.83E-03	6.20E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.58E-07	4.57E-07	0.00E+00	0.00E+00	1.99E-07	3.76E-08	2.38E-07	3.67E-08	3.54E-08	5.47E-07
1989	495461.06	3859401.99	1.77E-03	1.80E-03	1.80E-03	6.12E-07	1.85E-06	1.07E-06	1.09E-06	9.90E-07	4.52E-07	4.51E-07	0.00E+00	0.00E+00	1.97E-07	3.71E-08	2.35E-07	3.63E-08	3.49E-08	5.40E-07
1990	495511.06	3859401.99	1.74E-03	1.77E-03	1.77E-03	6.01E-07	1.81E-06	1.05E-06	1.07E-06	9.72E-07	4.43E-07	4.43E-07	0.00E+00	0.00E+00	1.93E-07	3.64E-08	2.31E-07	3.56E-08	3.43E-08	5.30E-07
1991	495561.06	3859401.99	1.70E-03	1.73E-03	1.73E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.52E-07	4.34E-07	4.34E-07	0.00E+00	0.00E+00	1.89E-07	3.56E-08	2.26E-07	3.49E-08	3.36E-08	5.19E-07
1992	495611.06	3859401.99	1.68E-03	1.71E-03	1.71E-03	5.81E-07	1.75E-06	1.02E-06	1.04E-06	9.39E-07	4.29E-07	4.28E-07	0.00E+00	0.00E+00	1.87E-07	3.52E-08	2.23E-07	3.44E-08	3.32E-08	5.13E-07
1993	495661.06	3859401.99	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.29E-07	4.24E-07	4.23E-07	0.00E+00	0.00E+00	1.85E-07	3.48E-08	2.21E-07	3.40E-08	3.28E-08	5.07E-07
1994	494311.06	3859451.99	2.71E-03	2.77E-03	2.76E-03	9.39E-07	2.83E-06	1.64E-06	1.67E-06	1.52E-06	6.93E-07	6.92E-07	0.00E+00	0.00E+00	3.02E-07	5.68E-08	3.61E-07	5.56E-08	5.36E-08	8.28E-07
1995	494361.06	3859451.99	2.64E-03	2.70E-03	2.69E-03	9.15E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.75E-07	6.74E-07	0.00E+00	0.00E+00	2.94E-07	5.54E-08	3.51E-07	5.42E-08	5.22E-08	8.07E-07
1996	494411.06	3859451.99	2.55E-03	2.60E-03	2.60E-03	8.83E-07	2.66E-06	1.54E-06	1.57E-06	1.43E-06	6.51E-07	6.50E-07	0.00E+00	0.00E+00	2.84E-07	5.34E-08	3.39E-07	5.23E-08	5.04E-08	7.79E-07
1997	494461.06	3859451.99	2.51E-03	2.57E-03	2.56E-03	8.70E-07	2.63E-06	1.52E-06	1.55E-06	1.41E-06	6.42E-07	6.41E-07	0.00E+00	0.00E+00	2.80E-07	5.27E-08	3.34E-07	5.16E-08	4.97E-08	7.68E-07
1998	494511.06	3859451.99	2.46E-03	2.51E-03	2.51E-03	8.51E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.28E-07	6.27E-07	0.00E+00	0.00E+00	2.74E-07	5.15E-08	3.27E-07	5.04E-08	4.86E-08	7.51E-07
1999	494561.06	3859451.99	2.41E-03	2.46E-03	2.46E-03	8.36E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.17E-07	6.16E-07	0.00E+00	0.00E+00	2.69E-07	5.06E-08	3.21E-07	4.95E-08	4.77E-08	7.38E-07
2000	494611.06	3859451.99	2.39E-03	2.43E-03	2.43E-03	8.26E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.09E-07	6.09E-07	0.00E+00	0.00E+00	2.66E-07	5.00E-08	3.17E-07	4.89E-08	4.71E-08	7.29E-07
2001	494661.06	3859451.99	2.33E-03	2.38E-03	2.38E-03	8.07E-07	2.44E-06	1.41E-06	1.44E-06	1.30E-06	5.95E-07	5.95E-07	0.00E+00	0.00E+00	2.59E-07	4.88E-08	3.10E-07	4.78E-08	4.60E-08	7.12E-07
2002	494711.06	3859451.99	2.28E-03	2.32E-03	2.32E-03	7.88E-07	2.38E-06	1.38E-06	1.41E-06	1.27E-06	5.82E-07	5.81E-07	0.00E+00	0.00E+00	2.53E-07	4.77E-08	3.03E-07	4.67E-08	4.50E-08	6.96E-07
2003	494761.06	3859451.99	2.23E-03	2.28E-03	2.27E-03	7.73E-07	2.33E-06	1.35E-06	1.38E-06	1.25E-06	5.70E-07	5.69E-07	0.00E+00	0.00E+00	2.48E-07	4.68E-08	2.97E-07	4.58E-08	4.41E-08	6.82E-07
2004	494811.06	3859451.99	2.17E-03	2.21E-03	2.21E-03	7.51E-07	2.27E-06	1.31E-06	1.34E-06	1.21E-06	5.54E-07	5.53E-07	0.00E+00	0.00E+00	2.41E-07	4.55E-08	2.88E-07	4.45E-08	4.28E-08	6.63E-07
2005	494861.06	3859451.99	2.12E-03	2.16E-03	2.16E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.41E-07	5.40E-07	0.00E+00	0.00E+00	2.36E-07	4.44E-08	2.82E-07	4.34E-08	4.18E-08	6.47E-07
2006	494911.06	3859451.99	2.08E-03	2.12E-03	2.12E-03	7.19E-07	2.17E-06	1.26E-06	1.28E-06	1.16E-06	5.31E-07	5.30E-07	0.00E+00	0.00E+00	2.31E-07	4.35E-08	2.76E-07	4.26E-08	4.10E-08	6.35E-07
2007	494961.06	3859451.99	2.05E-03	2.09E-03	2.09E-03	7.10E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.24E-07	5.23E-07	0.00E+00	0.00E+00	2.28E-07	4.30E-08	2.73E-07	4.21E-08	4.05E-08	6.27E-07
2008	495011.06	3859451.99	2.02E-03	2.06E-03	2.06E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	5.16E-07	0.00E+00	0.00E+00	2.25E-07	4.24E-08	2.69E-07	4.15E-08	3.99E-08	6.18E-07
2009	495061.06	3859451.99	1.99E-03	2.03E-03	2.03E-03	6.89E-07	2.08E-06	1.21E-06	1.23E-06	1.11E-06	5.09E-07	5.08E-07	0.00E+00	0.00E+00	2.22E-07	4.17E-08	2.65E-07	4.08E-08	3.93E-08	6.08E-07

2010	495111.06	3859451.99	1.96E-03	2.00E-03	2.00E-03	6.79E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	5.01E-07	5.00E-07	0.00E+00	0.00E+00	2.18E-07	4.11E-08	2.61E-07	4.02E-08	3.87E-08	5.99E-07
2011	495161.06	3859451.99	1.94E-03	1.98E-03	1.98E-03	6.73E-07	2.03E-06	1.18E-06	1.20E-06	1.09E-06	4.97E-07	4.96E-07	0.00E+00	0.00E+00	2.16E-07	4.07E-08	2.59E-07	3.99E-08	3.84E-08	5.94E-07
2012	495211.06	3859451.99	1.93E-03	1.97E-03	1.97E-03	6.68E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.93E-07	4.93E-07	0.00E+00	0.00E+00	2.15E-07	4.05E-08	2.57E-07	3.96E-08	3.81E-08	5.90E-07
2013	495261.06	3859451.99	1.92E-03	1.96E-03	1.95E-03	6.63E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.89E-07	4.89E-07	0.00E+00	0.00E+00	2.13E-07	4.02E-08	2.55E-07	3.93E-08	3.78E-08	5.85E-07
2014	495311.06	3859451.99	1.89E-03	1.93E-03	1.93E-03	6.55E-07	1.98E-06	1.14E-06	1.17E-06	1.06E-06	4.83E-07	4.83E-07	0.00E+00	0.00E+00	2.11E-07	3.97E-08	2.52E-07	3.88E-08	3.74E-08	5.78E-07
2015	495361.06	3859451.99	1.87E-03	1.91E-03	1.91E-03	6.48E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.78E-07	4.78E-07	0.00E+00	0.00E+00	2.08E-07	3.92E-08	2.49E-07	3.84E-08	3.70E-08	5.72E-07
2016	495411.06	3859451.99	1.85E-03	1.89E-03	1.88E-03	6.40E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.72E-07	4.71E-07	0.00E+00	0.00E+00	2.06E-07	3.87E-08	2.46E-07	3.79E-08	3.65E-08	5.65E-07
2017	495461.06	3859451.99	1.83E-03	1.87E-03	1.86E-03	6.33E-07	1.91E-06	1.11E-06	1.13E-06	1.02E-06	4.67E-07	4.66E-07	0.00E+00	0.00E+00	2.03E-07	3.83E-08	2.43E-07	3.75E-08	3.61E-08	5.59E-07
2018	495511.06	3859451.99	1.79E-03	1.83E-03	1.82E-03	6.20E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.57E-07	4.57E-07	0.00E+00	0.00E+00	1.99E-07	3.75E-08	2.38E-07	3.67E-08	3.54E-08	5.47E-07
2019	495561.06	3859451.99	1.76E-03	1.80E-03	1.80E-03	6.11E-07	1.84E-06	1.07E-06	1.09E-06	9.87E-07	4.51E-07	4.50E-07	0.00E+00	0.00E+00	1.96E-07	3.70E-08	2.35E-07	3.62E-08	3.48E-08	5.39E-07
2020	495611.06	3859451.99	1.74E-03	1.77E-03	1.77E-03	6.02E-07	1.82E-06	1.05E-06	1.07E-06	9.74E-07	4.44E-07	4.44E-07	0.00E+00	0.00E+00	1.94E-07	3.65E-08	2.31E-07	3.57E-08	3.44E-08	5.31E-07
2021	495661.06	3859451.99	1.72E-03	1.75E-03	1.75E-03	5.94E-07	1.79E-06	1.04E-06	1.06E-06	9.61E-07	4.38E-07	4.38E-07	0.00E+00	0.00E+00	1.91E-07	3.60E-08	2.28E-07	3.52E-08	3.39E-08	5.24E-07
2022	494311.06	3859501.99	2.82E-03	2.87E-03	2.87E-03	9.75E-07	2.94E-06	1.70E-06	1.74E-06	1.58E-06	7.19E-07	7.19E-07	0.00E+00	0.00E+00	3.14E-07	5.90E-08	3.75E-07	5.78E-08	5.56E-08	8.61E-07
2023	494361.06	3859501.99	2.74E-03	2.80E-03	2.79E-03	9.49E-07	2.87E-06	1.66E-06	1.69E-06	1.53E-06	7.00E-07	6.99E-07	0.00E+00	0.00E+00	3.05E-07	5.75E-08	3.65E-07	5.62E-08	5.42E-08	8.38E-07
2024	494411.06	3859501.99	2.62E-03	2.68E-03	2.67E-03	9.08E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.70E-07	6.69E-07	0.00E+00	0.00E+00	2.92E-07	5.50E-08	3.49E-07	5.38E-08	5.18E-08	8.02E-07
2025	494461.06	3859501.99	2.61E-03	2.67E-03	2.66E-03	9.05E-07	2.73E-06	1.58E-06	1.61E-06	1.46E-06	6.67E-07	6.67E-07	0.00E+00	0.00E+00	2.91E-07	5.48E-08	3.48E-07	5.36E-08	5.16E-08	7.98E-07
2026	494511.06	3859501.99	2.55E-03	2.60E-03	2.60E-03	8.82E-07	2.66E-06	1.54E-06	1.57E-06	1.43E-06	6.51E-07	6.50E-07	0.00E+00	0.00E+00	2.84E-07	5.34E-08	3.39E-07	5.23E-08	5.03E-08	7.79E-07
2027	494561.06	3859501.99	2.49E-03	2.55E-03	2.54E-03	8.63E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.37E-07	6.36E-07	0.00E+00	0.00E+00	2.78E-07	5.23E-08	3.32E-07	5.12E-08	4.93E-08	7.62E-07
2028	494611.06	3859501.99	2.49E-03	2.54E-03	2.54E-03	8.61E-07	2.60E-06	1.50E-06	1.54E-06	1.39E-06	6.35E-07	6.34E-07	0.00E+00	0.00E+00	2.77E-07	5.21E-08	3.31E-07	5.10E-08	4.91E-08	7.60E-07
2029	494661.06	3859501.99	2.42E-03	2.47E-03	2.47E-03	8.38E-07	2.53E-06	1.46E-06	1.49E-06	1.35E-06	6.18E-07	6.17E-07	0.00E+00	0.00E+00	2.69E-07	5.07E-08	3.22E-07	4.96E-08	4.78E-08	7.39E-07
2030	494711.06	3859501.99	2.35E-03	2.39E-03	2.39E-03	8.12E-07	2.45E-06	1.42E-06	1.45E-06	1.31E-06	5.99E-07	5.98E-07	0.00E+00	0.00E+00	2.61E-07	4.92E-08	3.12E-07	4.81E-08	4.63E-08	7.17E-07
2031	494761.06	3859501.99	2.32E-03	2.37E-03	2.37E-03	8.05E-07	2.43E-06	1.41E-06	1.44E-06	1.30E-06	5.94E-07	5.93E-07	0.00E+00	0.00E+00	2.59E-07	4.87E-08	3.09E-07	4.77E-08	4.59E-08	7.10E-07
2032	494811.06	3859501.99	2.24E-03	2.28E-03	2.28E-03	7.74E-07	2.34E-06	1.35E-06	1.38E-06	1.25E-06	5.71E-07	5.70E-07	0.00E+00	0.00E+00	2.49E-07	4.69E-08	2.97E-07	4.59E-08	4.42E-08	6.83E-07
2033	494861.06	3859501.99	2.20E-03	2.24E-03	2.24E-03	7.61E-07	2.30E-06	1.33E-06	1.36E-06	1.23E-06	5.61E-07	5.60E-07	0.00E+00	0.00E+00	2.45E-07	4.60E-08	2.92E-07	4.51E-08	4.34E-08	6.71E-07
2034	494911.06	3859501.99	2.17E-03	2.21E-03	2.21E-03	7.51E-07	2.27E-06	1.31E-06	1.34E-06	1.21E-06	5.54E-07	5.54E-07	0.00E+00	0.00E+00	2.42E-07	4.55E-08	2.89E-07	4.45E-08	4.29E-08	6.63E-07
2035	494961.06	3859501.99	2.12E-03	2.17E-03	2.17E-03	7.36E-07	2.22E-06	1.29E-06	1.31E-06	1.19E-06	5.43E-07	5.42E-07	0.00E+00	0.00E+00	2.37E-07	4.45E-08	2.83E-07	4.36E-08	4.20E-08	6.49E-07
2036	495011.06	3859501.99	2.10E-03	2.14E-03	2.14E-03	7.27E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.36E-07	5.36E-07	0.00E+00	0.00E+00	2.34E-07	4.40E-08	2.79E-07	4.31E-08	4.15E-08	6.42E-07
2037	495061.06	3859501.99	2.08E-03	2.12E-03	2.12E-03	7.19E-07	2.17E-06	1.26E-06	1.28E-06	1.16E-06	5.30E-07	5.30E-07	0.00E+00	0.00E+00	2.31E-07	4.35E-08	2.76E-07	4.26E-08	4.10E-08	6.34E-07
2038	495111.06	3859501.99	2.04E-03	2.08E-03	2.07E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.20E-07	5.19E-07	0.00E+00	0.00E+00	2.27E-07	4.27E-08	2.71E-07	4.17E-08	4.02E-08	6.22E-07
2039	495161.06	3859501.99	2.01E-03	2.06E-03	2.05E-03	6.97E-07	2.11E-06	1.22E-06	1.24E-06	1.13E-06	5.14E-07	5.14E-07	0.00E+00	0.00E+00	2.24E-07	4.22E-08	2.68E-07	4.13E-08	3.98E-08	6.15E-07
2040	495211.06	3859501.99	2.00E-03	2.04E-03	2.04E-03	6.93E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.11E-07	5.10E-07	0.00E+00	0.00E+00	2.23E-07	4.19E-08	2.66E-07	4.10E-08	3.95E-08	6.11E-07
2041	495261.06	3859501.99	1.98E-03	2.02E-03	2.02E-03	6.85E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	5.06E-07	5.05E-07	0.00E+00	0.00E+00	2.20E-07	4.15E-08	2.63E-07	4.06E-08	3.91E-08	6.05E-07
2042	495311.06	3859501.99	1.96E-03	2.00E-03	2.00E-03	6.79E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	5.01E-07	5.00E-07	0.00E+00	0.00E+00	2.18E-07	4.11E-08	2.61E-07	4.02E-08	3.88E-08	5.99E-07
2043	495361.06	3859501.99	1.94E-03	1.98E-03	1.98E-03	6.71E-07	2.03E-06	1.17E-06	1.20E-06	1.08E-06	4.95E-07	4.94E-07	0.00E+00	0.00E+00	2.16E-07	4.06E-08	2.58E-07	3.97E-08	3.83E-08	5.92E-07
2044	495411.06	3859501.99	1.92E-03	1.96E-03	1.95E-03	6.63E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.89E-07	4.89E-07	0.00E+00	0.00E+00	2.13E-07	4.02E-08	2.55E-07	3.93E-08	3.78E-08	5.85E-07
2045	495461.06	3859501.99	1.89E-03	1.93E-03	1.93E-03	6.54E-07	1.98E-06	1.14E-06	1.17E-06	1.06E-06	4.83E-07	4.82E-07	0.00E+00	0.00E+00	2.10E-07	3.96E-08	2.51E-07	3.88E-08	3.73E-08	5.78E-07
2046	495511.06	3859501.99	1.84E-03	1.87E-03	1.87E-03	6.36E-07	1.92E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.68E-07	0.00E+00	0.00E+00	2.04E-07	3.85E-08	2.44E-07	3.77E-08	3.63E-08	5.61E-07
2047	495561.06	3859501.99	1.83E-03	1.87E-03	1.86E-03	6.33E-07	1.91E-06	1.11E-06	1.13E-06	1.02E-06	4.67E-07	4.66E-07	0.00E+00	0.00E+00	2.03E-07	3.83E-08	2.43E-07	3.75E-08	3.61E-08	5.58E-07
2048	495611.06	3859501.99	1.80E-03	1.84E-03	1.83E-03	6.23E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.60E-07	4.59E-07	0.00E+00	0.00E+00	2.00E-07	3.77E-08	2.39E-07	3.69E-08	3.55E-08	5.50E-07
2049	495661.06	3859501.99	1.77E-03	1.81E-03	1.80E-03	6.13E-07	1.85E-06	1.07E-06	1.09E-06	9.91E-07	4.52E-07	4.51E-07	0.00E+00	0.00E+00	1.97E-07	3.71E-08	2.35E-07	3.63E-08	3.50E-08	5.41E-07
2050	494311.06	3859551.99	2.92E-03	2.98E-03	2.97E-03	1.01E-06	3.05E-06	1.76E-06	1.80E-06	1.63E-06	7.45E-07	7.44E-07	0.00E+00	0.00E+00	3.25E-07	6.11E-08	3.88E-07	5.98E-08	5.76E-08	8.91E-07
2051	494361.06	3859551.99	2.81E-03	2.87E-03	2.87E-03	9.73E-07	2.94E-06	1.70E-06	1.74E-06	1.57E-06	7.18E-07	7.17E-07	0.00E+00	0.00E+00	3.13E-07	5.89E-08	3.74E-07	5.77E-08	5.55E-08	8.59E-07
2052	494411.06	3859551.99	2.69E-03	2.75E-03	2.74E-03	9.32E-07	2.81E-06	1.63E-06	1.66E-06	1.51E-06	6.88E-07	6.87E-07	0.00E+00	0.00E+00	3.00E-07	5.64E-08	3.58E-07	5.52E-08	5.32E-08	8.23E-07
2053	494461.06	3859551.99	2.70E-03	2.76E-03	2.75E-03	9.35E-07	2.82E-06	1.64E-06	1.67E-06	1.51E-06	6.90E-07	6.89E-07	0.00E+00	0.00E+00	3.01E-07	5.66E-08	3.59E-07	5.54E-08	5.34E-08	8.26E-07
2054	494511.06	3859551.99	2.64E-03	2.69E-03	2.69E-03	9.13E-07	2.76E-06	1.59E-06	1.63E-06	1.48E-06	6.73E-07	6.72E-07	0.00E+00	0.00E+00	2.93E-07	5.52E-08	3.51E-07	5.41E-08	5.21E-08	8.05E-07
2055	494561.06	3859551.99	2.58E-03	2.64E-03	2.63E-03	8.95E-07	2.70E-06	1.56E-06	1.60E-06	1.45E-06	6.60E-07	6.59E-07	0.00E+00	0.00E+00	2.88E-07	5.42E-08	3.44E-07	5.30E-08	5.11E-08	7.90E-07
2056	494611.06	3859551.99	2.55E-03	2.60E-03	2.60E-03	8.84E-07	2.67E-06	1.54E-06	1.58E-06	1.43E-06	6.52E-07	6.51E-07	0.00E+00	0.00E+00	2.84E-07	5.35E-08	3.39E-07	5.23E-08	5.04E-08	7.80E-07
2057	494661.06	3859551.99	2.51E-03	2.56E-03	2.56E-03	8.69E-07	2.62E-06	1.52E-06	1.55E-06	1.40E-06	6.41E-07	6.40E-07	0.00E+00	0.00E+00	2.79E-07	5.26E-08	3.34E-07	5.15E-08	4.96E-08	7.67E-07
2058	494711.06	3859551.99	2.40E-03	2.45E-03	2.44E-03	8.29E-07	2.50E-06	1.45E-06	1.48E-06	1.34E-06	6.12E-07	6.11E-07	0.00E+00	0.00E+00	2.67E-07	5.02E-08	3.19E-07	4.91E-08	4.73E-08	7.32E-07
2059	494761.06	3859551.99	2.41E-03	2.45E-03	2.45E-03	8.33E-07	2.51E-06	1.46E-06	1.49E-06	1.35E-06	6.14E-07	6.14E-07	0.00E+00	0.00E+00	2.68E-07	5.04E-08	3.20E-07	4.93E-08	4.75E-08	7.35E-07
2060	494811.06	3859551.99	2.32E-03	2.37E-03	2.37E-03	8.05E-07	2.43E-06	1.41E-06	1.44E-06	1.30E-06	5.94E-07	5.93E-07	0.00E+00	0.00E+00	2.59E-07	4.87E-08	3.09E-07	4.77E-08	4.59E-08	7.10E-07
2061	494861.06	3859551.99	2.29E-03	2.33E-03	2.33E-03	7.91E-07	2.39E-06	1.38E-06	1.41E-06	1.28E-06	5.84E-07	5.83E-07	0.00E+00	0.00E+00	2.54E-07	4.79E-08	3.04E-07	4.69E-08	4.51E-08	6.98E-07
2062	494911.06	3859551.99	2.24E-03	2.29E-03	2.28E-03	7.75E-07	2.34E-06	1.36E-06	1.38E-06	1.25E-06	5.72E-07	5.71E-07	0.00E+00	0.00E+00	2.49E-07	4.69E-08	2.98E-07	4.59E-08	4.42E-08	6.84E-07
2063	494961.06	3859551.99	2.21E-03	2.26E-03	2.26E-03	7.66E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.65E-07	5.64E-07	0.00E+00	0.00E+00	2.46E-07	4.64E-08	2.94E-07	4.54E-08	4.37E-08	6.76E-07
2064	495011.06	3859551.99	2.19E-03	2.24E-03	2.23E-03	7.58E-07	2.29E-06	1.33E-06	1.35E-06	1.23E-06	5.60E-07	5.59E-07	0.00E+00	0.00E+00	2.44E-07	4.59E-08	2.91E-07	4.49E-08	4.33E-08	6.69E-07
2065	495061.06	3859551.99	2.16E-03	2.20E-03	2.20E-03	7.47E-07	2.25E-06	1.30E-06	1.33E-06	1.21E-06	5.51E-07	5.50E-07	0.00E+00	0.00E+00	2.40E-07	4.52E-08	2.87E-07	4.42E-08	4.26E-08	6.59E-07

2066	495111.06	3859551.99	2.12E-03	2.16E-03	2.16E-03	7.32E-07	2.21E-06	1.28E-06	1.31E-06	1.18E-06	5.40E-07	5.40E-07	0.00E+00	0.00E+00	2.35E-07	4.43E-08	2.81E-07	4.34E-08	4.18E-08	6.46E-07
2067	495161.06	3859551.99	2.10E-03	2.14E-03	2.14E-03	7.25E-07	2.19E-06	1.27E-06	1.29E-06	1.17E-06	5.35E-07	5.35E-07	0.00E+00	0.00E+00	2.33E-07	4.39E-08	2.79E-07	4.30E-08	4.14E-08	6.40E-07
2068	495211.06	3859551.99	2.08E-03	2.12E-03	2.12E-03	7.20E-07	2.18E-06	1.26E-06	1.28E-06	1.16E-06	5.32E-07	5.31E-07	0.00E+00	0.00E+00	2.32E-07	4.36E-08	2.77E-07	4.27E-08	4.11E-08	6.36E-07
2069	495261.06	3859551.99	2.05E-03	2.09E-03	2.09E-03	7.09E-07	2.14E-06	1.24E-06	1.26E-06	1.15E-06	5.23E-07	5.22E-07	0.00E+00	0.00E+00	2.28E-07	4.29E-08	2.72E-07	4.20E-08	4.05E-08	6.26E-07
2070	495311.06	3859551.99	2.02E-03	2.06E-03	2.06E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	5.16E-07	0.00E+00	0.00E+00	2.25E-07	4.24E-08	2.69E-07	4.14E-08	3.99E-08	6.17E-07
2071	495361.06	3859551.99	2.00E-03	2.04E-03	2.04E-03	6.92E-07	2.09E-06	1.21E-06	1.23E-06	1.12E-06	5.11E-07	5.10E-07	0.00E+00	0.00E+00	2.23E-07	4.19E-08	2.66E-07	4.10E-08	3.95E-08	6.11E-07
2072	495411.06	3859551.99	1.98E-03	2.02E-03	2.02E-03	6.86E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	5.06E-07	5.05E-07	0.00E+00	0.00E+00	2.21E-07	4.15E-08	2.63E-07	4.06E-08	3.91E-08	6.05E-07
2073	495461.06	3859551.99	1.94E-03	1.98E-03	1.98E-03	6.72E-07	2.03E-06	1.18E-06	1.20E-06	1.09E-06	4.96E-07	4.96E-07	0.00E+00	0.00E+00	2.16E-07	4.07E-08	2.58E-07	3.98E-08	3.84E-08	5.94E-07
2074	495511.06	3859551.99	1.90E-03	1.94E-03	1.94E-03	6.59E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.86E-07	4.86E-07	0.00E+00	0.00E+00	2.12E-07	3.99E-08	2.53E-07	3.90E-08	3.76E-08	5.82E-07
2075	495561.06	3859551.99	1.88E-03	1.92E-03	1.91E-03	6.50E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.80E-07	4.79E-07	0.00E+00	0.00E+00	2.09E-07	3.94E-08	2.50E-07	3.85E-08	3.71E-08	5.74E-07
2076	495611.06	3859551.99	1.85E-03	1.89E-03	1.89E-03	6.42E-07	1.94E-06	1.12E-06	1.14E-06	1.04E-06	4.73E-07	4.73E-07	0.00E+00	0.00E+00	2.06E-07	3.88E-08	2.46E-07	3.80E-08	3.66E-08	5.66E-07
2077	495661.06	3859551.99	1.82E-03	1.86E-03	1.86E-03	6.31E-07	1.91E-06	1.10E-06	1.13E-06	1.02E-06	4.66E-07	4.65E-07	0.00E+00	0.00E+00	2.03E-07	3.82E-08	2.42E-07	3.74E-08	3.60E-08	5.57E-07
2078	494311.06	3859601.99	3.03E-03	3.09E-03	3.09E-03	1.05E-06	3.17E-06	1.83E-06	1.87E-06	1.70E-06	7.74E-07	7.73E-07	0.00E+00	0.00E+00	3.37E-07	6.35E-08	4.03E-07	6.21E-08	5.98E-08	9.26E-07
2079	494361.06	3859601.99	2.88E-03	2.94E-03	2.93E-03	9.96E-07	3.01E-06	1.74E-06	1.78E-06	1.61E-06	7.35E-07	7.34E-07	0.00E+00	0.00E+00	3.20E-07	6.03E-08	3.83E-07	5.90E-08	5.68E-08	8.79E-07
2080	494411.06	3859601.99	2.80E-03	2.85E-03	2.85E-03	9.68E-07	2.92E-06	1.69E-06	1.73E-06	1.57E-06	7.14E-07	7.13E-07	0.00E+00	0.00E+00	3.11E-07	5.86E-08	3.72E-07	5.74E-08	5.52E-08	8.54E-07
2081	494461.06	3859601.99	2.79E-03	2.85E-03	2.85E-03	9.67E-07	2.92E-06	1.69E-06	1.73E-06	1.56E-06	7.14E-07	7.13E-07	0.00E+00	0.00E+00	3.11E-07	5.86E-08	3.72E-07	5.73E-08	5.52E-08	8.54E-07
2082	494511.06	3859601.99	2.70E-03	2.76E-03	2.75E-03	9.35E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.90E-07	6.89E-07	0.00E+00	0.00E+00	3.01E-07	5.66E-08	3.59E-07	5.54E-08	5.34E-08	8.25E-07
2083	494561.06	3859601.99	2.69E-03	2.74E-03	2.74E-03	9.30E-07	2.81E-06	1.63E-06	1.66E-06	1.50E-06	6.86E-07	6.86E-07	0.00E+00	0.00E+00	2.99E-07	5.63E-08	3.57E-07	5.51E-08	5.31E-08	8.21E-07
2084	494611.06	3859601.99	2.66E-03	2.71E-03	2.71E-03	9.20E-07	2.78E-06	1.61E-06	1.64E-06	1.49E-06	6.78E-07	6.78E-07	0.00E+00	0.00E+00	2.96E-07	5.57E-08	3.53E-07	5.45E-08	5.25E-08	8.12E-07
2085	494661.06	3859601.99	2.56E-03	2.61E-03	2.60E-03	8.84E-07	2.67E-06	1.55E-06	1.58E-06	1.43E-06	6.53E-07	6.52E-07	0.00E+00	0.00E+00	2.84E-07	5.35E-08	3.40E-07	5.24E-08	5.05E-08	7.81E-07
2086	494711.06	3859601.99	2.48E-03	2.53E-03	2.53E-03	8.58E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.33E-07	6.32E-07	0.00E+00	0.00E+00	2.76E-07	5.19E-08	3.30E-07	5.08E-08	4.90E-08	7.57E-07
2087	494761.06	3859601.99	2.51E-03	2.56E-03	2.55E-03	8.68E-07	2.62E-06	1.52E-06	1.55E-06	1.40E-06	6.40E-07	6.39E-07	0.00E+00	0.00E+00	2.79E-07	5.25E-08	3.33E-07	5.14E-08	4.95E-08	7.66E-07
2088	494811.06	3859601.99	2.42E-03	2.47E-03	2.46E-03	8.37E-07	2.53E-06	1.46E-06	1.49E-06	1.35E-06	6.18E-07	6.17E-07	0.00E+00	0.00E+00	2.69E-07	5.07E-08	3.22E-07	4.96E-08	4.78E-08	7.39E-07
2089	494861.06	3859601.99	2.38E-03	2.43E-03	2.43E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.33E-06	6.08E-07	6.07E-07	0.00E+00	0.00E+00	2.65E-07	4.99E-08	3.16E-07	4.88E-08	4.70E-08	7.27E-07
2090	494911.06	3859601.99	2.32E-03	2.36E-03	2.36E-03	8.02E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.91E-07	5.91E-07	0.00E+00	0.00E+00	2.58E-07	4.85E-08	3.08E-07	4.75E-08	4.57E-08	7.08E-07
2091	494961.06	3859601.99	2.31E-03	2.36E-03	2.36E-03	8.01E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.91E-07	5.90E-07	0.00E+00	0.00E+00	2.58E-07	4.85E-08	3.08E-07	4.75E-08	4.57E-08	7.07E-07
2092	495011.06	3859601.99	2.25E-03	2.30E-03	2.29E-03	7.79E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.75E-07	5.74E-07	0.00E+00	0.00E+00	2.50E-07	4.71E-08	2.99E-07	4.61E-08	4.44E-08	6.87E-07
2093	495061.06	3859601.99	2.24E-03	2.28E-03	2.28E-03	7.74E-07	2.34E-06	1.35E-06	1.38E-06	1.25E-06	5.71E-07	5.70E-07	0.00E+00	0.00E+00	2.49E-07	4.69E-08	2.97E-07	4.58E-08	4.42E-08	6.83E-07
2094	495111.06	3859601.99	2.19E-03	2.23E-03	2.23E-03	7.58E-07	2.29E-06	1.32E-06	1.35E-06	1.23E-06	5.59E-07	5.58E-07	0.00E+00	0.00E+00	2.44E-07	4.59E-08	2.91E-07	4.49E-08	4.32E-08	6.69E-07
2095	495161.06	3859601.99	2.17E-03	2.21E-03	2.21E-03	7.51E-07	2.27E-06	1.31E-06	1.34E-06	1.21E-06	5.54E-07	5.53E-07	0.00E+00	0.00E+00	2.42E-07	4.55E-08	2.89E-07	4.45E-08	4.29E-08	6.63E-07
2096	495211.06	3859601.99	2.14E-03	2.19E-03	2.18E-03	7.41E-07	2.24E-06	1.30E-06	1.32E-06	1.20E-06	5.47E-07	5.46E-07	0.00E+00	0.00E+00	2.38E-07	4.49E-08	2.85E-07	4.39E-08	4.23E-08	6.54E-07
2097	495261.06	3859601.99	2.12E-03	2.16E-03	2.16E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.41E-07	5.40E-07	0.00E+00	0.00E+00	2.36E-07	4.44E-08	2.82E-07	4.34E-08	4.18E-08	6.47E-07
2098	495311.06	3859601.99	2.10E-03	2.14E-03	2.14E-03	7.26E-07	2.19E-06	1.27E-06	1.30E-06	1.17E-06	5.36E-07	5.35E-07	0.00E+00	0.00E+00	2.34E-07	4.40E-08	2.79E-07	4.30E-08	4.14E-08	6.41E-07
2099	495361.06	3859601.99	2.07E-03	2.11E-03	2.11E-03	7.16E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.28E-07	5.28E-07	0.00E+00	0.00E+00	2.30E-07	4.33E-08	2.75E-07	4.24E-08	4.09E-08	6.32E-07
2100	495411.06	3859601.99	2.05E-03	2.09E-03	2.09E-03	7.09E-07	2.14E-06	1.24E-06	1.26E-06	1.15E-06	5.23E-07	5.22E-07	0.00E+00	0.00E+00	2.28E-07	4.29E-08	2.72E-07	4.20E-08	4.04E-08	6.25E-07
2101	495461.06	3859601.99	2.00E-03	2.04E-03	2.04E-03	6.92E-07	2.09E-06	1.21E-06	1.23E-06	1.12E-06	5.10E-07	5.10E-07	0.00E+00	0.00E+00	2.22E-07	4.19E-08	2.66E-07	4.10E-08	3.95E-08	6.11E-07
2102	495511.06	3859601.99	1.96E-03	2.00E-03	1.99E-03	6.77E-07	2.04E-06	1.18E-06	1.21E-06	1.09E-06	4.99E-07	4.99E-07	0.00E+00	0.00E+00	2.18E-07	4.10E-08	2.60E-07	4.01E-08	3.86E-08	5.97E-07
2103	495561.06	3859601.99	1.94E-03	1.98E-03	1.98E-03	6.72E-07	2.03E-06	1.18E-06	1.20E-06	1.09E-06	4.96E-07	4.95E-07	0.00E+00	0.00E+00	2.16E-07	4.07E-08	2.58E-07	3.98E-08	3.84E-08	5.93E-07
2104	495611.06	3859601.99	1.90E-03	1.93E-03	1.93E-03	6.56E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.84E-07	4.84E-07	0.00E+00	0.00E+00	2.11E-07	3.97E-08	2.52E-07	3.89E-08	3.74E-08	5.79E-07
2105	495661.06	3859601.99	1.88E-03	1.92E-03	1.91E-03	6.50E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.79E-07	4.79E-07	0.00E+00	0.00E+00	2.09E-07	3.93E-08	2.50E-07	3.85E-08	3.71E-08	5.73E-07
2106	494311.06	3859651.99	3.10E-03	3.16E-03	3.16E-03	1.07E-06	3.24E-06	1.88E-06	1.91E-06	1.73E-06	7.91E-07	7.90E-07	0.00E+00	0.00E+00	3.45E-07	6.49E-08	4.12E-07	6.36E-08	6.12E-08	9.47E-07
2107	494361.06	3859651.99	2.96E-03	3.02E-03	3.01E-03	1.02E-06	3.09E-06	1.79E-06	1.83E-06	1.66E-06	7.55E-07	7.54E-07	0.00E+00	0.00E+00	3.29E-07	6.20E-08	3.93E-07	6.06E-08	5.84E-08	9.03E-07
2108	494411.06	3859651.99	2.90E-03	2.96E-03	2.95E-03	1.00E-06	3.03E-06	1.75E-06	1.79E-06	1.62E-06	7.40E-07	7.40E-07	0.00E+00	0.00E+00	3.23E-07	6.08E-08	3.86E-07	5.95E-08	5.73E-08	8.86E-07
2109	494461.06	3859651.99	2.89E-03	2.95E-03	2.95E-03	1.00E-06	3.02E-06	1.75E-06	1.79E-06	1.62E-06	7.39E-07	7.38E-07	0.00E+00	0.00E+00	3.22E-07	6.06E-08	3.85E-07	5.93E-08	5.71E-08	8.84E-07
2110	494511.06	3859651.99	2.83E-03	2.89E-03	2.88E-03	9.80E-07	2.96E-06	1.71E-06	1.75E-06	1.58E-06	7.23E-07	7.22E-07	0.00E+00	0.00E+00	3.15E-07	5.93E-08	3.76E-07	5.80E-08	5.59E-08	8.65E-07
2111	494561.06	3859651.99	2.79E-03	2.85E-03	2.84E-03	9.65E-07	2.91E-06	1.69E-06	1.72E-06	1.56E-06	7.12E-07	7.11E-07	0.00E+00	0.00E+00	3.10E-07	5.84E-08	3.71E-07	5.72E-08	5.51E-08	8.52E-07
2112	494611.06	3859651.99	2.74E-03	2.80E-03	2.80E-03	9.50E-07	2.87E-06	1.66E-06	1.69E-06	1.54E-06	7.01E-07	7.00E-07	0.00E+00	0.00E+00	3.06E-07	5.75E-08	3.65E-07	5.63E-08	5.42E-08	8.39E-07
2113	494661.06	3859651.99	2.62E-03	2.68E-03	2.67E-03	9.08E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.70E-07	6.69E-07	0.00E+00	0.00E+00	2.92E-07	5.50E-08	3.49E-07	5.38E-08	5.18E-08	8.01E-07
2114	494711.06	3859651.99	2.59E-03	2.64E-03	2.64E-03	8.95E-07	2.70E-06	1.56E-06	1.60E-06	1.45E-06	6.60E-07	6.60E-07	0.00E+00	0.00E+00	2.88E-07	5.42E-08	3.44E-07	5.30E-08	5.11E-08	7.90E-07
2115	494761.06	3859651.99	2.57E-03	2.62E-03	2.62E-03	8.89E-07	2.69E-06	1.55E-06	1.59E-06	1.44E-06	6.56E-07	6.55E-07	0.00E+00	0.00E+00	2.86E-07	5.38E-08	3.42E-07	5.27E-08	5.07E-08	7.85E-07
2116	494811.06	3859651.99	2.50E-03	2.56E-03	2.55E-03	8.67E-07	2.62E-06	1.52E-06	1.55E-06	1.40E-06	6.40E-07	6.39E-07	0.00E+00	0.00E+00	2.79E-07	5.25E-08	3.33E-07	5.14E-08	4.95E-08	7.65E-07
2117	494861.06	3859651.99	2.47E-03	2.52E-03	2.52E-03	8.55E-07	2.58E-06	1.49E-06	1.53E-06	1.38E-06	6.31E-07	6.30E-07	0.00E+00	0.00E+00	2.75E-07	5.18E-08	3.29E-07	5.07E-08	4.88E-08	7.55E-07
2118	494911.06	3859651.99	2.42E-03	2.47E-03	2.47E-03	8.39E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.19E-07	6.18E-07	0.00E+00	0.00E+00	2.70E-07	5.08E-08	3.22E-07	4.97E-08	4.79E-08	7.41E-07
2119	494961.06	3859651.99	2.39E-03	2.44E-03	2.43E-03	8.27E-07	2.50E-06	1.45E-06	1.47E-06	1.34E-06	6.10E-07	6.09E-07	0.00E+00	0.00E+00	2.66E-07	5.01E-08	3.18E-07	4.90E-08	4.72E-08	7.30E-07
2120	495011.06	3859651.99	2.35E-03	2.40E-03	2.39E-03	8.13E-07	2.45E-06	1.42E-06	1.45E-06	1.31E-06	6.00E-07	5.99E-07	0.00E+00	0.00E+00	2.61E-07	4.92E-08	3.12E-07	4.81E-08	4.64E-08	7.17E-07
2121	495061.06	3859651.99	2.32E-03	2.37E-03	2.37E-03	8.03E-07	2.43E-06	1.40E-06	1.43E-06	1.30E-06	5.93E-07	5.92E-07	0.00E+00	0.00E+00	2.58E-07	4.86E-08	3.09E-07	4.76E-08	4.58E-08	7.09E-07

2122	495111.06	3859651.99	2.28E-03	2.32E-03	2.32E-03	7.88E-07	2.38E-06	1.38E-06	1.41E-06	1.27E-06	5.82E-07	5.81E-07	0.00E+00	0.00E+00	2.53E-07	4.77E-08	3.03E-07	4.67E-08	4.50E-08	6.96E-07
2123	495161.06	3859651.99	2.25E-03	2.29E-03	2.29E-03	7.77E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.73E-07	5.73E-07	0.00E+00	0.00E+00	2.50E-07	4.71E-08	2.99E-07	4.60E-08	4.43E-08	6.86E-07
2124	495211.06	3859651.99	2.22E-03	2.27E-03	2.26E-03	7.68E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.66E-07	0.00E+00	0.00E+00	2.47E-07	4.65E-08	2.95E-07	4.55E-08	4.38E-08	6.78E-07
2125	495261.06	3859651.99	2.19E-03	2.23E-03	2.23E-03	7.57E-07	2.29E-06	1.32E-06	1.35E-06	1.22E-06	5.59E-07	5.58E-07	0.00E+00	0.00E+00	2.44E-07	4.59E-08	2.91E-07	4.49E-08	4.32E-08	6.68E-07
2126	495311.06	3859651.99	2.16E-03	2.20E-03	2.20E-03	7.48E-07	2.26E-06	1.31E-06	1.33E-06	1.21E-06	5.52E-07	5.51E-07	0.00E+00	0.00E+00	2.40E-07	4.53E-08	2.87E-07	4.43E-08	4.27E-08	6.60E-07
2127	495361.06	3859651.99	2.14E-03	2.18E-03	2.18E-03	7.39E-07	2.23E-06	1.29E-06	1.32E-06	1.20E-06	5.46E-07	5.45E-07	0.00E+00	0.00E+00	2.38E-07	4.48E-08	2.84E-07	4.38E-08	4.22E-08	6.53E-07
2128	495411.06	3859651.99	2.11E-03	2.15E-03	2.15E-03	7.29E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.38E-07	5.37E-07	0.00E+00	0.00E+00	2.34E-07	4.41E-08	2.80E-07	4.32E-08	4.16E-08	6.43E-07
2129	495461.06	3859651.99	2.06E-03	2.10E-03	2.10E-03	7.12E-07	2.15E-06	1.24E-06	1.27E-06	1.15E-06	5.25E-07	5.25E-07	0.00E+00	0.00E+00	2.29E-07	4.31E-08	2.73E-07	4.22E-08	4.06E-08	6.28E-07
2130	495511.06	3859651.99	2.01E-03	2.06E-03	2.05E-03	6.97E-07	2.11E-06	1.22E-06	1.24E-06	1.13E-06	5.15E-07	5.14E-07	0.00E+00	0.00E+00	2.24E-07	4.22E-08	2.68E-07	4.13E-08	3.98E-08	6.16E-07
2131	495561.06	3859651.99	1.99E-03	2.03E-03	2.03E-03	6.90E-07	2.08E-06	1.21E-06	1.23E-06	1.11E-06	5.09E-07	5.08E-07	0.00E+00	0.00E+00	2.22E-07	4.17E-08	2.65E-07	4.08E-08	3.93E-08	6.09E-07
2132	495611.06	3859651.99	1.96E-03	2.00E-03	2.00E-03	6.79E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	5.01E-07	5.00E-07	0.00E+00	0.00E+00	2.18E-07	4.11E-08	2.61E-07	4.02E-08	3.87E-08	5.99E-07
2133	495661.06	3859651.99	1.93E-03	1.97E-03	1.96E-03	6.67E-07	2.01E-06	1.17E-06	1.19E-06	1.08E-06	4.92E-07	4.92E-07	0.00E+00	0.00E+00	2.15E-07	4.04E-08	2.56E-07	3.95E-08	3.81E-08	5.89E-07
2134	494311.06	3859701.99	3.08E-03	3.14E-03	3.14E-03	1.07E-06	3.22E-06	1.86E-06	1.90E-06	1.72E-06	7.86E-07	7.85E-07	0.00E+00	0.00E+00	3.43E-07	6.45E-08	4.09E-07	6.31E-08	6.08E-08	9.41E-07
2135	494361.06	3859701.99	3.01E-03	3.07E-03	3.07E-03	1.04E-06	3.15E-06	1.82E-06	1.86E-06	1.69E-06	7.69E-07	7.68E-07	0.00E+00	0.00E+00	3.35E-07	6.31E-08	4.01E-07	6.18E-08	5.95E-08	9.20E-07
2136	494411.06	3859701.99	2.97E-03	3.04E-03	3.03E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.67E-06	7.60E-07	7.59E-07	0.00E+00	0.00E+00	3.31E-07	6.23E-08	3.96E-07	6.10E-08	5.88E-08	9.09E-07
2137	494461.06	3859701.99	2.99E-03	3.05E-03	3.04E-03	1.03E-06	3.12E-06	1.81E-06	1.84E-06	1.67E-06	7.62E-07	7.62E-07	0.00E+00	0.00E+00	3.32E-07	6.26E-08	3.97E-07	6.12E-08	5.90E-08	9.12E-07
2138	494511.06	3859701.99	2.93E-03	2.99E-03	2.98E-03	1.01E-06	3.06E-06	1.77E-06	1.81E-06	1.64E-06	7.48E-07	7.47E-07	0.00E+00	0.00E+00	3.26E-07	6.14E-08	3.89E-07	6.01E-08	5.78E-08	8.95E-07
2139	494561.06	3859701.99	2.89E-03	2.95E-03	2.94E-03	1.00E-06	3.02E-06	1.75E-06	1.78E-06	1.62E-06	7.37E-07	7.37E-07	0.00E+00	0.00E+00	3.21E-07	6.05E-08	3.84E-07	5.92E-08	5.70E-08	8.82E-07
2140	494611.06	3859701.99	2.84E-03	2.90E-03	2.90E-03	9.84E-07	2.97E-06	1.72E-06	1.76E-06	1.59E-06	7.26E-07	7.25E-07	0.00E+00	0.00E+00	3.17E-07	5.96E-08	3.78E-07	5.83E-08	5.62E-08	8.69E-07
2141	494661.06	3859701.99	2.72E-03	2.77E-03	2.77E-03	9.40E-07	2.84E-06	1.64E-06	1.68E-06	1.52E-06	6.93E-07	6.93E-07	0.00E+00	0.00E+00	3.02E-07	5.69E-08	3.61E-07	5.57E-08	5.36E-08	8.29E-07
2142	494711.06	3859701.99	2.70E-03	2.75E-03	2.75E-03	9.33E-07	2.82E-06	1.63E-06	1.66E-06	1.51E-06	6.88E-07	6.88E-07	0.00E+00	0.00E+00	3.00E-07	5.65E-08	3.59E-07	5.53E-08	5.32E-08	8.24E-07
2143	494761.06	3859701.99	2.63E-03	2.69E-03	2.69E-03	9.12E-07	2.75E-06	1.59E-06	1.63E-06	1.47E-06	6.73E-07	6.72E-07	0.00E+00	0.00E+00	2.93E-07	5.52E-08	3.50E-07	5.40E-08	5.20E-08	8.05E-07
2144	494811.06	3859701.99	2.57E-03	2.63E-03	2.62E-03	8.91E-07	2.69E-06	1.56E-06	1.59E-06	1.44E-06	6.57E-07	6.57E-07	0.00E+00	0.00E+00	2.87E-07	5.39E-08	3.42E-07	5.28E-08	5.08E-08	7.86E-07
2145	494861.06	3859701.99	2.56E-03	2.61E-03	2.61E-03	8.86E-07	2.68E-06	1.55E-06	1.58E-06	1.43E-06	6.54E-07	6.53E-07	0.00E+00	0.00E+00	2.85E-07	5.37E-08	3.41E-07	5.25E-08	5.06E-08	7.82E-07
2146	494911.06	3859701.99	2.51E-03	2.56E-03	2.56E-03	8.69E-07	2.62E-06	1.52E-06	1.55E-06	1.41E-06	6.41E-07	6.40E-07	0.00E+00	0.00E+00	2.79E-07	5.26E-08	3.34E-07	5.15E-08	4.96E-08	7.67E-07
2147	494961.06	3859701.99	2.46E-03	2.51E-03	2.51E-03	8.53E-07	2.58E-06	1.49E-06	1.52E-06	1.38E-06	6.29E-07	6.29E-07	0.00E+00	0.00E+00	2.74E-07	5.16E-08	3.28E-07	5.05E-08	4.87E-08	7.53E-07
2148	495011.06	3859701.99	2.44E-03	2.48E-03	2.48E-03	8.43E-07	2.55E-06	1.47E-06	1.50E-06	1.36E-06	6.22E-07	6.21E-07	0.00E+00	0.00E+00	2.71E-07	5.10E-08	3.24E-07	4.99E-08	4.81E-08	7.44E-07
2149	495061.06	3859701.99	2.40E-03	2.45E-03	2.44E-03	8.30E-07	2.50E-06	1.45E-06	1.48E-06	1.34E-06	6.12E-07	6.11E-07	0.00E+00	0.00E+00	2.67E-07	5.02E-08	3.19E-07	4.91E-08	4.73E-08	7.32E-07
2150	495111.06	3859701.99	2.36E-03	2.41E-03	2.40E-03	8.16E-07	2.46E-06	1.43E-06	1.46E-06	1.32E-06	6.02E-07	6.02E-07	0.00E+00	0.00E+00	2.63E-07	4.94E-08	3.14E-07	4.84E-08	4.66E-08	7.20E-07
2151	495161.06	3859701.99	2.32E-03	2.36E-03	2.36E-03	8.02E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.92E-07	5.91E-07	0.00E+00	0.00E+00	2.58E-07	4.86E-08	3.08E-07	4.75E-08	4.58E-08	7.08E-07
2152	495211.06	3859701.99	2.27E-03	2.32E-03	2.32E-03	7.87E-07	2.38E-06	1.38E-06	1.40E-06	1.27E-06	5.81E-07	5.80E-07	0.00E+00	0.00E+00	2.53E-07	4.77E-08	3.03E-07	4.67E-08	4.49E-08	6.95E-07
2153	495261.06	3859701.99	2.26E-03	2.31E-03	2.30E-03	7.82E-07	2.36E-06	1.37E-06	1.40E-06	1.26E-06	5.77E-07	5.77E-07	0.00E+00	0.00E+00	2.52E-07	4.74E-08	3.01E-07	4.63E-08	4.46E-08	6.90E-07
2154	495311.06	3859701.99	2.22E-03	2.27E-03	2.26E-03	7.69E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.67E-07	0.00E+00	0.00E+00	2.47E-07	4.66E-08	2.95E-07	4.56E-08	4.39E-08	6.79E-07
2155	495361.06	3859701.99	2.19E-03	2.23E-03	2.23E-03	7.57E-07	2.29E-06	1.32E-06	1.35E-06	1.22E-06	5.59E-07	5.58E-07	0.00E+00	0.00E+00	2.44E-07	4.58E-08	2.91E-07	4.49E-08	4.32E-08	6.68E-07
2156	495411.06	3859701.99	2.14E-03	2.19E-03	2.18E-03	7.42E-07	2.24E-06	1.30E-06	1.32E-06	1.20E-06	5.47E-07	5.47E-07	0.00E+00	0.00E+00	2.39E-07	4.49E-08	2.85E-07	4.40E-08	4.23E-08	6.55E-07
2157	495461.06	3859701.99	2.11E-03	2.15E-03	2.15E-03	7.30E-07	2.20E-06	1.28E-06	1.30E-06	1.18E-06	5.39E-07	5.38E-07	0.00E+00	0.00E+00	2.35E-07	4.42E-08	2.80E-07	4.32E-08	4.16E-08	6.44E-07
2158	495511.06	3859701.99	2.05E-03	2.09E-03	2.09E-03	7.10E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.24E-07	5.23E-07	0.00E+00	0.00E+00	2.28E-07	4.30E-08	2.73E-07	4.21E-08	4.05E-08	6.27E-07
2159	495561.06	3859701.99	2.04E-03	2.09E-03	2.08E-03	7.08E-07	2.14E-06	1.24E-06	1.26E-06	1.14E-06	5.22E-07	5.21E-07	0.00E+00	0.00E+00	2.28E-07	4.28E-08	2.72E-07	4.19E-08	4.04E-08	6.24E-07
2160	495611.06	3859701.99	2.01E-03	2.05E-03	2.05E-03	6.97E-07	2.10E-06	1.22E-06	1.24E-06	1.13E-06	5.14E-07	5.14E-07	0.00E+00	0.00E+00	2.24E-07	4.22E-08	2.68E-07	4.13E-08	3.98E-08	6.15E-07
2161	495661.06	3859701.99	1.98E-03	2.02E-03	2.02E-03	6.86E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	5.06E-07	5.05E-07	0.00E+00	0.00E+00	2.21E-07	4.15E-08	2.63E-07	4.06E-08	3.91E-08	6.05E-07
2162	494311.06	3859751.99	3.20E-03	3.27E-03	3.27E-03	1.11E-06	3.35E-06	1.94E-06	1.98E-06	1.79E-06	8.18E-07	8.17E-07	0.00E+00	0.00E+00	3.57E-07	6.71E-08	4.26E-07	6.57E-08	6.33E-08	9.79E-07
2163	494361.06	3859751.99	3.14E-03	3.20E-03	3.20E-03	1.09E-06	3.28E-06	1.90E-06	1.94E-06	1.76E-06	8.02E-07	8.01E-07	0.00E+00	0.00E+00	3.50E-07	6.58E-08	4.18E-07	6.44E-08	6.20E-08	9.59E-07
2164	494411.06	3859751.99	3.07E-03	3.13E-03	3.13E-03	1.06E-06	3.20E-06	1.86E-06	1.89E-06	1.72E-06	7.83E-07	7.82E-07	0.00E+00	0.00E+00	3.41E-07	6.43E-08	4.08E-07	6.29E-08	6.06E-08	9.37E-07
2165	494461.06	3859751.99	3.06E-03	3.12E-03	3.12E-03	1.06E-06	3.20E-06	1.85E-06	1.89E-06	1.71E-06	7.82E-07	7.81E-07	0.00E+00	0.00E+00	3.41E-07	6.42E-08	4.07E-07	6.28E-08	6.05E-08	9.35E-07
2166	494511.06	3859751.99	3.04E-03	3.10E-03	3.09E-03	1.05E-06	3.17E-06	1.84E-06	1.87E-06	1.70E-06	7.75E-07	7.75E-07	0.00E+00	0.00E+00	3.38E-07	6.36E-08	4.04E-07	6.23E-08	6.00E-08	9.28E-07
2167	494561.06	3859751.99	2.98E-03	3.04E-03	3.04E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.67E-06	7.61E-07	7.60E-07	0.00E+00	0.00E+00	3.32E-07	6.24E-08	3.96E-07	6.11E-08	5.89E-08	9.10E-07
2168	494611.06	3859751.99	2.91E-03	2.97E-03	2.97E-03	1.01E-06	3.04E-06	1.76E-06	1.80E-06	1.63E-06	7.43E-07	7.42E-07	0.00E+00	0.00E+00	3.24E-07	6.10E-08	3.87E-07	5.97E-08	5.75E-08	8.89E-07
2169	494661.06	3859751.99	2.80E-03	2.85E-03	2.85E-03	9.68E-07	2.92E-06	1.69E-06	1.73E-06	1.57E-06	7.14E-07	7.14E-07	0.00E+00	0.00E+00	3.11E-07	5.86E-08	3.72E-07	5.74E-08	5.53E-08	8.55E-07
2170	494711.06	3859751.99	2.79E-03	2.84E-03	2.84E-03	9.64E-07	2.91E-06	1.69E-06	1.72E-06	1.56E-06	7.11E-07	7.11E-07	0.00E+00	0.00E+00	3.10E-07	5.84E-08	3.70E-07	5.71E-08	5.50E-08	8.51E-07
2171	494761.06	3859751.99	2.75E-03	2.80E-03	2.80E-03	9.51E-07	2.87E-06	1.66E-06	1.70E-06	1.54E-06	7.02E-07	7.01E-07	0.00E+00	0.00E+00	3.06E-07	5.76E-08	3.65E-07	5.63E-08	5.43E-08	8.39E-07
2172	494811.06	3859751.99	2.69E-03	2.74E-03	2.74E-03	9.31E-07	2.81E-06	1.63E-06	1.66E-06	1.50E-06	6.87E-07	6.86E-07	0.00E+00	0.00E+00	2.99E-07	5.63E-08	3.58E-07	5.51E-08	5.31E-08	8.21E-07
2173	494861.06	3859751.99	2.65E-03	2.70E-03	2.70E-03	9.16E-07	2.77E-06	1.60E-06	1.63E-06	1.48E-06	6.76E-07	6.75E-07	0.00E+00	0.00E+00	2.95E-07	5.55E-08	3.52E-07	5.43E-08	5.23E-08	8.09E-07
2174	494911.06	3859751.99	2.60E-03	2.66E-03	2.65E-03	9.01E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.65E-07	6.64E-07	0.00E+00	0.00E+00	2.90E-07	5.46E-08	3.46E-07	5.34E-08	5.14E-08	7.95E-07
2175	494961.06	3859751.99	2.56E-03	2.61E-03	2.61E-03	8.87E-07	2.68E-06	1.55E-06	1.58E-06	1.43E-06	6.54E-07	6.54E-07	0.00E+00	0.00E+00	2.85E-07	5.37E-08	3.41E-07	5.25E-08	5.06E-08	7.83E-07
2176	495011.06	3859751.99	2.52E-03	2.57E-03	2.57E-03	8.72E-07	2.63E-06	1.52E-06	1.55E-06	1.41E-06	6.43E-07	6.42E-07	0.00E+00	0.00E+00	2.80E-07	5.28E-08	3.35E-07	5.16E-08	4.97E-08	7.69E-07
2177	495061.06	3859751.99	2.49E-03	2.54E-03	2.53E-03	8.61E-07	2.60E-06	1.50E-06	1.54E-06	1.39E-06	6.35E-07	6.34E-07	0.00E+00	0.00E+00	2.77E-07	5.21E-08	3.31E-07	5.10E-08	4.91E-08	7.60E-07

2178	495111.06	3859751.99	2.44E-03	2.49E-03	2.49E-03	8.46E-07	2.56E-06	1.48E-06	1.51E-06	1.37E-06	6.24E-07	6.24E-07	0.00E+00	0.00E+00	2.72E-07	5.12E-08	3.25E-07	5.01E-08	4.83E-08	7.47E-07
2179	495161.06	3859751.99	2.40E-03	2.45E-03	2.45E-03	8.31E-07	2.51E-06	1.45E-06	1.48E-06	1.34E-06	6.13E-07	6.12E-07	0.00E+00	0.00E+00	2.67E-07	5.03E-08	3.19E-07	4.92E-08	4.74E-08	7.33E-07
2180	495211.06	3859751.99	2.35E-03	2.40E-03	2.40E-03	8.15E-07	2.46E-06	1.42E-06	1.45E-06	1.32E-06	6.01E-07	6.01E-07	0.00E+00	0.00E+00	2.62E-07	4.94E-08	3.13E-07	4.83E-08	4.65E-08	7.19E-07
2181	495261.06	3859751.99	2.32E-03	2.37E-03	2.37E-03	8.05E-07	2.43E-06	1.41E-06	1.44E-06	1.30E-06	5.94E-07	5.93E-07	0.00E+00	0.00E+00	2.59E-07	4.87E-08	3.09E-07	4.77E-08	4.59E-08	7.10E-07
2182	495311.06	3859751.99	2.29E-03	2.33E-03	2.33E-03	7.91E-07	2.39E-06	1.38E-06	1.41E-06	1.28E-06	5.84E-07	5.83E-07	0.00E+00	0.00E+00	2.54E-07	4.79E-08	3.04E-07	4.69E-08	4.51E-08	6.98E-07
2183	495361.06	3859751.99	2.25E-03	2.30E-03	2.29E-03	7.79E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.75E-07	5.74E-07	0.00E+00	0.00E+00	2.50E-07	4.71E-08	2.99E-07	4.61E-08	4.44E-08	6.87E-07
2184	495411.06	3859751.99	2.22E-03	2.26E-03	2.26E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.66E-07	5.65E-07	0.00E+00	0.00E+00	2.47E-07	4.64E-08	2.95E-07	4.54E-08	4.38E-08	6.77E-07
2185	495461.06	3859751.99	2.17E-03	2.21E-03	2.21E-03	7.51E-07	2.27E-06	1.31E-06	1.34E-06	1.21E-06	5.54E-07	5.53E-07	0.00E+00	0.00E+00	2.41E-07	4.55E-08	2.88E-07	4.45E-08	4.28E-08	6.63E-07
2186	495511.06	3859751.99	2.12E-03	2.17E-03	2.16E-03	7.35E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.42E-07	5.42E-07	0.00E+00	0.00E+00	2.36E-07	4.45E-08	2.82E-07	4.36E-08	4.19E-08	6.49E-07
2187	495561.06	3859751.99	2.09E-03	2.13E-03	2.13E-03	7.24E-07	2.19E-06	1.27E-06	1.29E-06	1.17E-06	5.34E-07	5.34E-07	0.00E+00	0.00E+00	2.33E-07	4.38E-08	2.78E-07	4.29E-08	4.13E-08	6.39E-07
2188	495611.06	3859751.99	2.06E-03	2.10E-03	2.10E-03	7.13E-07	2.15E-06	1.25E-06	1.27E-06	1.15E-06	5.26E-07	5.26E-07	0.00E+00	0.00E+00	2.29E-07	4.32E-08	2.74E-07	4.23E-08	4.07E-08	6.29E-07
2189	495661.06	3859751.99	2.04E-03	2.08E-03	2.08E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.20E-07	5.19E-07	0.00E+00	0.00E+00	2.27E-07	4.27E-08	2.71E-07	4.18E-08	4.02E-08	6.22E-07
2190	494311.06	3859801.99	3.32E-03	3.39E-03	3.39E-03	1.15E-06	3.47E-06	2.01E-06	2.05E-06	1.86E-06	8.49E-07	8.48E-07	0.00E+00	0.00E+00	3.70E-07	6.97E-08	4.42E-07	6.82E-08	6.57E-08	1.02E-06
2191	494361.06	3859801.99	3.23E-03	3.30E-03	3.30E-03	1.12E-06	3.38E-06	1.96E-06	2.00E-06	1.81E-06	8.26E-07	8.25E-07	0.00E+00	0.00E+00	3.60E-07	6.78E-08	4.30E-07	6.63E-08	6.39E-08	9.88E-07
2192	494411.06	3859801.99	3.14E-03	3.21E-03	3.20E-03	1.09E-06	3.28E-06	1.90E-06	1.94E-06	1.76E-06	8.02E-07	8.01E-07	0.00E+00	0.00E+00	3.50E-07	6.58E-08	4.18E-07	6.44E-08	6.21E-08	9.60E-07
2193	494461.06	3859801.99	3.13E-03	3.20E-03	3.19E-03	1.08E-06	3.27E-06	1.89E-06	1.93E-06	1.75E-06	8.00E-07	7.99E-07	0.00E+00	0.00E+00	3.49E-07	6.56E-08	4.16E-07	6.42E-08	6.18E-08	9.57E-07
2194	494511.06	3859801.99	3.13E-03	3.19E-03	3.19E-03	1.08E-06	3.27E-06	1.89E-06	1.93E-06	1.75E-06	7.98E-07	7.97E-07	0.00E+00	0.00E+00	3.48E-07	6.55E-08	4.16E-07	6.41E-08	6.18E-08	9.55E-07
2195	494561.06	3859801.99	3.07E-03	3.13E-03	3.13E-03	1.06E-06	3.21E-06	1.86E-06	1.90E-06	1.72E-06	7.84E-07	7.83E-07	0.00E+00	0.00E+00	3.42E-07	6.43E-08	4.08E-07	6.30E-08	6.06E-08	9.38E-07
2196	494611.06	3859801.99	2.97E-03	3.03E-03	3.02E-03	1.03E-06	3.10E-06	1.80E-06	1.83E-06	1.66E-06	7.58E-07	7.57E-07	0.00E+00	0.00E+00	3.30E-07	6.22E-08	3.95E-07	6.08E-08	5.86E-08	9.06E-07
2197	494661.06	3859801.99	2.91E-03	2.97E-03	2.96E-03	1.01E-06	3.04E-06	1.76E-06	1.79E-06	1.63E-06	7.42E-07	7.41E-07	0.00E+00	0.00E+00	3.24E-07	6.09E-08	3.87E-07	5.96E-08	5.74E-08	8.88E-07
2198	494711.06	3859801.99	2.84E-03	2.89E-03	2.89E-03	9.82E-07	2.96E-06	1.72E-06	1.75E-06	1.59E-06	7.24E-07	7.23E-07	0.00E+00	0.00E+00	3.16E-07	5.94E-08	3.77E-07	5.82E-08	5.60E-08	8.66E-07
2199	494761.06	3859801.99	2.83E-03	2.89E-03	2.88E-03	9.80E-07	2.96E-06	1.71E-06	1.75E-06	1.58E-06	7.23E-07	7.22E-07	0.00E+00	0.00E+00	3.15E-07	5.93E-08	3.76E-07	5.80E-08	5.59E-08	8.65E-07
2200	494811.06	3859801.99	2.77E-03	2.83E-03	2.83E-03	9.60E-07	2.90E-06	1.68E-06	1.71E-06	1.55E-06	7.09E-07	7.08E-07	0.00E+00	0.00E+00	3.09E-07	5.81E-08	3.69E-07	5.69E-08	5.48E-08	8.48E-07
2201	494861.06	3859801.99	2.73E-03	2.79E-03	2.79E-03	9.46E-07	2.86E-06	1.65E-06	1.69E-06	1.53E-06	6.98E-07	6.97E-07	0.00E+00	0.00E+00	3.04E-07	5.73E-08	3.64E-07	5.61E-08	5.40E-08	8.35E-07
2202	494911.06	3859801.99	2.68E-03	2.73E-03	2.73E-03	9.26E-07	2.80E-06	1.62E-06	1.65E-06	1.50E-06	6.83E-07	6.83E-07	0.00E+00	0.00E+00	2.98E-07	5.61E-08	3.56E-07	5.49E-08	5.29E-08	8.18E-07
2203	494961.06	3859801.99	2.63E-03	2.69E-03	2.68E-03	9.11E-07	2.75E-06	1.59E-06	1.63E-06	1.47E-06	6.72E-07	6.72E-07	0.00E+00	0.00E+00	2.93E-07	5.52E-08	3.50E-07	5.40E-08	5.20E-08	8.04E-07
2204	495011.06	3859801.99	2.59E-03	2.64E-03	2.64E-03	8.96E-07	2.70E-06	1.57E-06	1.60E-06	1.45E-06	6.61E-07	6.60E-07	0.00E+00	0.00E+00	2.88E-07	5.42E-08	3.44E-07	5.31E-08	5.11E-08	7.91E-07
2205	495061.06	3859801.99	2.55E-03	2.60E-03	2.60E-03	8.83E-07	2.67E-06	1.54E-06	1.58E-06	1.43E-06	6.52E-07	6.51E-07	0.00E+00	0.00E+00	2.84E-07	5.35E-08	3.39E-07	5.23E-08	5.04E-08	7.79E-07
2206	495111.06	3859801.99	2.50E-03	2.55E-03	2.55E-03	8.66E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.39E-07	6.38E-07	0.00E+00	0.00E+00	2.78E-07	5.24E-08	3.33E-07	5.13E-08	4.94E-08	7.64E-07
2207	495161.06	3859801.99	2.46E-03	2.51E-03	2.50E-03	8.50E-07	2.57E-06	1.49E-06	1.52E-06	1.37E-06	6.27E-07	6.26E-07	0.00E+00	0.00E+00	2.73E-07	5.15E-08	3.27E-07	5.04E-08	4.85E-08	7.50E-07
2208	495211.06	3859801.99	2.42E-03	2.47E-03	2.47E-03	8.38E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.18E-07	6.18E-07	0.00E+00	0.00E+00	2.70E-07	5.08E-08	3.22E-07	4.97E-08	4.78E-08	7.40E-07
2209	495261.06	3859801.99	2.38E-03	2.42E-03	2.42E-03	8.23E-07	2.48E-06	1.44E-06	1.47E-06	1.33E-06	6.07E-07	6.06E-07	0.00E+00	0.00E+00	2.65E-07	4.98E-08	3.16E-07	4.87E-08	4.69E-08	7.26E-07
2210	495311.06	3859801.99	2.35E-03	2.39E-03	2.39E-03	8.12E-07	2.45E-06	1.42E-06	1.45E-06	1.31E-06	5.99E-07	5.98E-07	0.00E+00	0.00E+00	2.61E-07	4.92E-08	3.12E-07	4.81E-08	4.63E-08	7.17E-07
2211	495361.06	3859801.99	2.31E-03	2.35E-03	2.35E-03	7.98E-07	2.41E-06	1.40E-06	1.42E-06	1.29E-06	5.89E-07	5.88E-07	0.00E+00	0.00E+00	2.57E-07	4.83E-08	3.07E-07	4.73E-08	4.56E-08	7.05E-07
2212	495411.06	3859801.99	2.26E-03	2.31E-03	2.31E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.78E-07	5.77E-07	0.00E+00	0.00E+00	2.52E-07	4.74E-08	3.01E-07	4.64E-08	4.47E-08	6.91E-07
2213	495461.06	3859801.99	2.23E-03	2.27E-03	2.27E-03	7.71E-07	2.33E-06	1.35E-06	1.37E-06	1.25E-06	5.68E-07	5.68E-07	0.00E+00	0.00E+00	2.48E-07	4.66E-08	2.96E-07	4.56E-08	4.40E-08	6.80E-07
2214	495511.06	3859801.99	2.18E-03	2.22E-03	2.22E-03	7.53E-07	2.27E-06	1.32E-06	1.34E-06	1.22E-06	5.56E-07	5.55E-07	0.00E+00	0.00E+00	2.42E-07	4.56E-08	2.89E-07	4.46E-08	4.30E-08	6.65E-07
2215	495561.06	3859801.99	2.15E-03	2.19E-03	2.19E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.20E-06	5.48E-07	5.48E-07	0.00E+00	0.00E+00	2.39E-07	4.50E-08	2.85E-07	4.40E-08	4.24E-08	6.56E-07
2216	495611.06	3859801.99	2.13E-03	2.17E-03	2.17E-03	7.37E-07	2.23E-06	1.29E-06	1.31E-06	1.19E-06	5.44E-07	5.43E-07	0.00E+00	0.00E+00	2.37E-07	4.46E-08	2.83E-07	4.37E-08	4.21E-08	6.51E-07
2217	495661.06	3859801.99	2.09E-03	2.13E-03	2.13E-03	7.22E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.33E-07	5.32E-07	0.00E+00	0.00E+00	2.32E-07	4.37E-08	2.77E-07	4.28E-08	4.12E-08	6.37E-07
2218	494311.06	3859851.99	3.41E-03	3.48E-03	3.48E-03	1.18E-06	3.56E-06	2.06E-06	2.11E-06	1.91E-06	8.71E-07	8.70E-07	0.00E+00	0.00E+00	3.80E-07	7.15E-08	4.54E-07	6.99E-08	6.74E-08	1.04E-06
2219	494361.06	3859851.99	3.33E-03	3.40E-03	3.40E-03	1.15E-06	3.48E-06	2.02E-06	2.06E-06	1.86E-06	8.51E-07	8.50E-07	0.00E+00	0.00E+00	3.71E-07	6.98E-08	4.43E-07	6.83E-08	6.58E-08	1.02E-06
2220	494411.06	3859851.99	3.25E-03	3.31E-03	3.31E-03	1.12E-06	3.39E-06	1.96E-06	2.00E-06	1.82E-06	8.29E-07	8.28E-07	0.00E+00	0.00E+00	3.61E-07	6.81E-08	4.32E-07	6.66E-08	6.41E-08	9.92E-07
2221	494461.06	3859851.99	3.18E-03	3.25E-03	3.24E-03	1.10E-06	3.33E-06	1.93E-06	1.97E-06	1.78E-06	8.13E-07	8.12E-07	0.00E+00	0.00E+00	3.54E-07	6.67E-08	4.23E-07	6.53E-08	6.29E-08	9.73E-07
2222	494511.06	3859851.99	3.16E-03	3.22E-03	3.22E-03	1.09E-06	3.30E-06	1.91E-06	1.95E-06	1.77E-06	8.06E-07	8.06E-07	0.00E+00	0.00E+00	3.52E-07	6.62E-08	4.20E-07	6.48E-08	6.24E-08	9.65E-07
2223	494561.06	3859851.99	3.14E-03	3.21E-03	3.20E-03	1.09E-06	3.28E-06	1.90E-06	1.94E-06	1.76E-06	8.02E-07	8.01E-07	0.00E+00	0.00E+00	3.50E-07	6.58E-08	4.18E-07	6.44E-08	6.21E-08	9.60E-07
2224	494611.06	3859851.99	3.03E-03	3.09E-03	3.09E-03	1.05E-06	3.17E-06	1.83E-06	1.87E-06	1.70E-06	7.74E-07	7.73E-07	0.00E+00	0.00E+00	3.37E-07	6.35E-08	4.03E-07	6.21E-08	5.99E-08	9.26E-07
2225	494661.06	3859851.99	3.00E-03	3.06E-03	3.06E-03	1.04E-06	3.13E-06	1.81E-06	1.85E-06	1.68E-06	7.66E-07	7.65E-07	0.00E+00	0.00E+00	3.34E-07	6.28E-08	3.99E-07	6.15E-08	5.92E-08	9.16E-07
2226	494711.06	3859851.99	2.92E-03	2.98E-03	2.97E-03	1.01E-06	3.05E-06	1.76E-06	1.80E-06	1.63E-06	7.45E-07	7.44E-07	0.00E+00	0.00E+00	3.25E-07	6.11E-08	3.88E-07	5.98E-08	5.76E-08	8.91E-07
2227	494761.06	3859851.99	2.90E-03	2.96E-03	2.96E-03	1.01E-06	3.03E-06	1.76E-06	1.79E-06	1.62E-06	7.41E-07	7.41E-07	0.00E+00	0.00E+00	3.23E-07	6.08E-08	3.86E-07	5.95E-08	5.73E-08	8.87E-07
2228	494811.06	3859851.99	2.85E-03	2.91E-03	2.90E-03	9.86E-07	2.98E-06	1.72E-06	1.76E-06	1.59E-06	7.28E-07	7.27E-07	0.00E+00	0.00E+00	3.17E-07	5.97E-08	3.79E-07	5.84E-08	5.63E-08	8.70E-07
2229	494861.06	3859851.99	2.81E-03	2.87E-03	2.87E-03	9.74E-07	2.94E-06	1.70E-06	1.74E-06	1.57E-06	7.18E-07	7.18E-07	0.00E+00	0.00E+00	3.13E-07	5.90E-08	3.74E-07	5.77E-08	5.56E-08	8.59E-07
2230	494911.06	3859851.99	2.75E-03	2.81E-03	2.81E-03	9.53E-07	2.88E-06	1.67E-06	1.70E-06	1.54E-06	7.03E-07	7.02E-07	0.00E+00	0.00E+00	3.07E-07	5.77E-08	3.66E-07	5.65E-08	5.44E-08	8.41E-07
2231	494961.06	3859851.99	2.71E-03	2.76E-03	2.76E-03	9.38E-07	2.83E-06	1.64E-06	1.67E-06	1.52E-06	6.92E-07	6.91E-07	0.00E+00	0.00E+00	3.01E-07	5.68E-08	3.60E-07	5.55E-08	5.35E-08	8.27E-07
2232	495011.06	3859851.99	2.66E-03	2.72E-03	2.71E-03	9.22E-07	2.78E-06	1.61E-06	1.64E-06	1.49E-06	6.80E-07	6.79E-07	0.00E+00	0.00E+00	2.96E-07	5.58E-08	3.54E-07	5.46E-08	5.26E-08	8.13E-07
2233	495061.06	3859851.99	2.62E-03	2.68E-03	2.68E-03	9.09E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.70E-07	6.70E-07	0.00E+00	0.00E+00	2.92E-07	5.50E-08	3.49E-07	5.38E-08	5.18E-08	8.02E-07

2234	495111.06	3859851.99	2.57E-03	2.62E-03	2.62E-03	8.90E-07	2.69E-06	1.55E-06	1.59E-06	1.44E-06	6.56E-07	6.56E-07	0.00E+00	0.00E+00	2.86E-07	5.39E-08	3.42E-07	5.27E-08	5.08E-08	7.85E-07
2235	495161.06	3859851.99	2.52E-03	2.58E-03	2.57E-03	8.74E-07	2.64E-06	1.53E-06	1.56E-06	1.41E-06	6.45E-07	6.44E-07	0.00E+00	0.00E+00	2.81E-07	5.29E-08	3.36E-07	5.18E-08	4.99E-08	7.71E-07
2236	495211.06	3859851.99	2.48E-03	2.53E-03	2.53E-03	8.60E-07	2.60E-06	1.50E-06	1.53E-06	1.39E-06	6.34E-07	6.33E-07	0.00E+00	0.00E+00	2.76E-07	5.20E-08	3.30E-07	5.09E-08	4.90E-08	7.59E-07
2237	495261.06	3859851.99	2.44E-03	2.49E-03	2.49E-03	8.45E-07	2.55E-06	1.48E-06	1.51E-06	1.37E-06	6.23E-07	6.22E-07	0.00E+00	0.00E+00	2.72E-07	5.11E-08	3.24E-07	5.00E-08	4.82E-08	7.45E-07
2238	495311.06	3859851.99	2.41E-03	2.45E-03	2.45E-03	8.33E-07	2.51E-06	1.46E-06	1.49E-06	1.35E-06	6.14E-07	6.14E-07	0.00E+00	0.00E+00	2.68E-07	5.04E-08	3.20E-07	4.93E-08	4.75E-08	7.35E-07
2239	495361.06	3859851.99	2.37E-03	2.42E-03	2.41E-03	8.20E-07	2.47E-06	1.43E-06	1.46E-06	1.33E-06	6.05E-07	6.04E-07	0.00E+00	0.00E+00	2.64E-07	4.96E-08	3.15E-07	4.86E-08	4.68E-08	7.23E-07
2240	495411.06	3859851.99	2.32E-03	2.37E-03	2.37E-03	8.04E-07	2.43E-06	1.41E-06	1.43E-06	1.30E-06	5.93E-07	5.92E-07	0.00E+00	0.00E+00	2.59E-07	4.87E-08	3.09E-07	4.76E-08	4.59E-08	7.10E-07
2241	495461.06	3859851.99	2.28E-03	2.33E-03	2.32E-03	7.89E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.82E-07	5.82E-07	0.00E+00	0.00E+00	2.54E-07	4.78E-08	3.03E-07	4.68E-08	4.50E-08	6.97E-07
2242	495511.06	3859851.99	2.23E-03	2.28E-03	2.28E-03	7.73E-07	2.33E-06	1.35E-06	1.38E-06	1.25E-06	5.70E-07	5.70E-07	0.00E+00	0.00E+00	2.49E-07	4.68E-08	2.97E-07	4.58E-08	4.41E-08	6.82E-07
2243	495561.06	3859851.99	2.21E-03	2.25E-03	2.25E-03	7.64E-07	2.31E-06	1.34E-06	1.36E-06	1.24E-06	5.64E-07	5.63E-07	0.00E+00	0.00E+00	2.46E-07	4.62E-08	2.93E-07	4.53E-08	4.36E-08	6.74E-07
2244	495611.06	3859851.99	2.18E-03	2.22E-03	2.22E-03	7.54E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.56E-07	5.56E-07	0.00E+00	0.00E+00	2.42E-07	4.57E-08	2.90E-07	4.47E-08	4.30E-08	6.66E-07
2245	495661.06	3859851.99	2.14E-03	2.18E-03	2.18E-03	7.39E-07	2.23E-06	1.29E-06	1.32E-06	1.20E-06	5.46E-07	5.45E-07	0.00E+00	0.00E+00	2.38E-07	4.48E-08	2.84E-07	4.38E-08	4.22E-08	6.53E-07
2246	494311.06	3859901.99	3.48E-03	3.55E-03	3.55E-03	1.21E-06	3.64E-06	2.11E-06	2.15E-06	1.95E-06	8.90E-07	8.89E-07	0.00E+00	0.00E+00	3.88E-07	7.30E-08	4.63E-07	7.14E-08	6.88E-08	1.06E-06
2247	494361.06	3859901.99	3.37E-03	3.44E-03	3.44E-03	1.17E-06	3.52E-06	2.04E-06	2.08E-06	1.89E-06	8.61E-07	8.60E-07	0.00E+00	0.00E+00	3.75E-07	7.06E-08	4.48E-07	6.91E-08	6.66E-08	1.03E-06
2248	494411.06	3859901.99	3.33E-03	3.40E-03	3.39E-03	1.15E-06	3.48E-06	2.01E-06	2.06E-06	1.86E-06	8.50E-07	8.49E-07	0.00E+00	0.00E+00	3.71E-07	6.98E-08	4.43E-07	6.83E-08	6.58E-08	1.02E-06
2249	494461.06	3859901.99	3.27E-03	3.33E-03	3.33E-03	1.13E-06	3.41E-06	1.98E-06	2.02E-06	1.83E-06	8.34E-07	8.33E-07	0.00E+00	0.00E+00	3.63E-07	6.84E-08	4.34E-07	6.70E-08	6.45E-08	9.98E-07
2250	494511.06	3859901.99	3.22E-03	3.29E-03	3.28E-03	1.12E-06	3.37E-06	1.95E-06	1.99E-06	1.80E-06	8.23E-07	8.22E-07	0.00E+00	0.00E+00	3.59E-07	6.75E-08	4.28E-07	6.61E-08	6.36E-08	9.84E-07
2251	494561.06	3859901.99	3.22E-03	3.28E-03	3.28E-03	1.11E-06	3.36E-06	1.95E-06	1.99E-06	1.80E-06	8.22E-07	8.21E-07	0.00E+00	0.00E+00	3.58E-07	6.75E-08	4.28E-07	6.60E-08	6.36E-08	9.83E-07
2252	494611.06	3859901.99	3.10E-03	3.16E-03	3.16E-03	1.07E-06	3.24E-06	1.88E-06	1.91E-06	1.73E-06	7.92E-07	7.91E-07	0.00E+00	0.00E+00	3.45E-07	6.50E-08	4.12E-07	6.36E-08	6.12E-08	9.47E-07
2253	494661.06	3859901.99	3.09E-03	3.15E-03	3.15E-03	1.07E-06	3.23E-06	1.87E-06	1.91E-06	1.73E-06	7.88E-07	7.88E-07	0.00E+00	0.00E+00	3.44E-07	6.47E-08	4.11E-07	6.33E-08	6.10E-08	9.43E-07
2254	494711.06	3859901.99	2.98E-03	3.04E-03	3.03E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.67E-06	7.60E-07	7.59E-07	0.00E+00	0.00E+00	3.31E-07	6.24E-08	3.96E-07	6.11E-08	5.88E-08	9.10E-07
2255	494761.06	3859901.99	2.95E-03	3.01E-03	3.01E-03	1.02E-06	3.09E-06	1.79E-06	1.82E-06	1.65E-06	7.54E-07	7.53E-07	0.00E+00	0.00E+00	3.29E-07	6.19E-08	3.93E-07	6.05E-08	5.83E-08	9.02E-07
2256	494811.06	3859901.99	2.93E-03	2.99E-03	2.98E-03	1.01E-06	3.06E-06	1.77E-06	1.81E-06	1.64E-06	7.48E-07	7.47E-07	0.00E+00	0.00E+00	3.26E-07	6.13E-08	3.89E-07	6.00E-08	5.78E-08	8.94E-07
2257	494861.06	3859901.99	2.89E-03	2.95E-03	2.94E-03	9.99E-07	3.02E-06	1.75E-06	1.78E-06	1.62E-06	7.37E-07	7.36E-07	0.00E+00	0.00E+00	3.21E-07	6.05E-08	3.84E-07	5.92E-08	5.70E-08	8.82E-07
2258	494911.06	3859901.99	2.82E-03	2.88E-03	2.88E-03	9.78E-07	2.95E-06	1.71E-06	1.74E-06	1.58E-06	7.21E-07	7.21E-07	0.00E+00	0.00E+00	3.14E-07	5.92E-08	3.76E-07	5.79E-08	5.58E-08	8.63E-07
2259	494961.06	3859901.99	2.78E-03	2.84E-03	2.84E-03	9.64E-07	2.91E-06	1.68E-06	1.72E-06	1.56E-06	7.11E-07	7.10E-07	0.00E+00	0.00E+00	3.10E-07	5.83E-08	3.70E-07	5.71E-08	5.50E-08	8.50E-07
2260	495011.06	3859901.99	2.73E-03	2.79E-03	2.78E-03	9.45E-07	2.85E-06	1.65E-06	1.69E-06	1.53E-06	6.97E-07	6.96E-07	0.00E+00	0.00E+00	3.04E-07	5.72E-08	3.63E-07	5.60E-08	5.39E-08	8.34E-07
2261	495061.06	3859901.99	2.68E-03	2.74E-03	2.73E-03	9.29E-07	2.80E-06	1.62E-06	1.66E-06	1.50E-06	6.85E-07	6.84E-07	0.00E+00	0.00E+00	2.99E-07	5.62E-08	3.57E-07	5.50E-08	5.30E-08	8.19E-07
2262	495111.06	3859901.99	2.63E-03	2.68E-03	2.68E-03	9.09E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.70E-07	6.70E-07	0.00E+00	0.00E+00	2.92E-07	5.50E-08	3.49E-07	5.38E-08	5.19E-08	8.02E-07
2263	495161.06	3859901.99	2.57E-03	2.63E-03	2.62E-03	8.91E-07	2.69E-06	1.56E-06	1.59E-06	1.44E-06	6.57E-07	6.56E-07	0.00E+00	0.00E+00	2.86E-07	5.39E-08	3.42E-07	5.28E-08	5.08E-08	7.86E-07
2264	495211.06	3859901.99	2.54E-03	2.59E-03	2.59E-03	8.79E-07	2.66E-06	1.54E-06	1.57E-06	1.42E-06	6.49E-07	6.48E-07	0.00E+00	0.00E+00	2.83E-07	5.32E-08	3.38E-07	5.21E-08	5.02E-08	7.76E-07
2265	495261.06	3859901.99	2.48E-03	2.53E-03	2.53E-03	8.60E-07	2.60E-06	1.50E-06	1.53E-06	1.39E-06	6.34E-07	6.33E-07	0.00E+00	0.00E+00	2.76E-07	5.20E-08	3.30E-07	5.09E-08	4.91E-08	7.59E-07
2266	495311.06	3859901.99	2.45E-03	2.50E-03	2.50E-03	8.49E-07	2.56E-06	1.48E-06	1.51E-06	1.37E-06	6.26E-07	6.26E-07	0.00E+00	0.00E+00	2.73E-07	5.14E-08	3.26E-07	5.03E-08	4.85E-08	7.49E-07
2267	495361.06	3859901.99	2.41E-03	2.46E-03	2.46E-03	8.34E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.15E-07	6.15E-07	0.00E+00	0.00E+00	2.68E-07	5.05E-08	3.20E-07	4.94E-08	4.76E-08	7.36E-07
2268	495411.06	3859901.99	2.36E-03	2.41E-03	2.41E-03	8.18E-07	2.47E-06	1.43E-06	1.46E-06	1.32E-06	6.03E-07	6.03E-07	0.00E+00	0.00E+00	2.63E-07	4.95E-08	3.14E-07	4.85E-08	4.67E-08	7.22E-07
2269	495461.06	3859901.99	2.32E-03	2.37E-03	2.37E-03	8.03E-07	2.43E-06	1.40E-06	1.43E-06	1.30E-06	5.93E-07	5.92E-07	0.00E+00	0.00E+00	2.58E-07	4.86E-08	3.09E-07	4.76E-08	4.58E-08	7.09E-07
2270	495511.06	3859901.99	2.29E-03	2.34E-03	2.33E-03	7.93E-07	2.39E-06	1.39E-06	1.41E-06	1.28E-06	5.85E-07	5.84E-07	0.00E+00	0.00E+00	2.55E-07	4.80E-08	3.05E-07	4.70E-08	4.52E-08	7.00E-07
2271	495561.06	3859901.99	2.26E-03	2.31E-03	2.30E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.77E-07	5.77E-07	0.00E+00	0.00E+00	2.52E-07	4.74E-08	3.01E-07	4.64E-08	4.47E-08	6.91E-07
2272	495611.06	3859901.99	2.22E-03	2.26E-03	2.26E-03	7.68E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.66E-07	0.00E+00	0.00E+00	2.47E-07	4.65E-08	2.95E-07	4.55E-08	4.38E-08	6.78E-07
2273	495661.06	3859901.99	2.18E-03	2.22E-03	2.22E-03	7.53E-07	2.27E-06	1.32E-06	1.34E-06	1.22E-06	5.56E-07	5.55E-07	0.00E+00	0.00E+00	2.42E-07	4.56E-08	2.89E-07	4.46E-08	4.30E-08	6.65E-07
2274	494311.06	3859951.99	3.56E-03	3.64E-03	3.63E-03	1.23E-06	3.73E-06	2.16E-06	2.20E-06	1.99E-06	9.10E-07	9.09E-07	0.00E+00	0.00E+00	3.97E-07	7.47E-08	4.74E-07	7.31E-08	7.04E-08	1.09E-06
2275	494361.06	3859951.99	3.48E-03	3.55E-03	3.54E-03	1.20E-06	3.63E-06	2.10E-06	2.15E-06	1.95E-06	8.88E-07	8.87E-07	0.00E+00	0.00E+00	3.87E-07	7.29E-08	4.62E-07	7.13E-08	6.87E-08	1.06E-06
2276	494411.06	3859951.99	3.40E-03	3.47E-03	3.47E-03	1.18E-06	3.55E-06	2.06E-06	2.10E-06	1.90E-06	8.68E-07	8.67E-07	0.00E+00	0.00E+00	3.78E-07	7.13E-08	4.52E-07	6.97E-08	6.72E-08	1.04E-06
2277	494461.06	3859951.99	3.34E-03	3.40E-03	3.40E-03	1.15E-06	3.49E-06	2.02E-06	2.06E-06	1.87E-06	8.52E-07	8.51E-07	0.00E+00	0.00E+00	3.71E-07	6.99E-08	4.44E-07	6.84E-08	6.59E-08	1.02E-06
2278	494511.06	3859951.99	3.29E-03	3.36E-03	3.35E-03	1.14E-06	3.44E-06	1.99E-06	2.03E-06	1.84E-06	8.40E-07	8.40E-07	0.00E+00	0.00E+00	3.66E-07	6.90E-08	4.38E-07	6.75E-08	6.50E-08	1.01E-06
2279	494561.06	3859951.99	3.30E-03	3.37E-03	3.36E-03	1.14E-06	3.45E-06	2.00E-06	2.04E-06	1.85E-06	8.43E-07	8.42E-07	0.00E+00	0.00E+00	3.67E-07	6.91E-08	4.39E-07	6.77E-08	6.52E-08	1.01E-06
2280	494611.06	3859951.99	3.19E-03	3.25E-03	3.25E-03	1.10E-06	3.33E-06	1.93E-06	1.97E-06	1.78E-06	8.14E-07	8.13E-07	0.00E+00	0.00E+00	3.55E-07	6.68E-08	4.24E-07	6.54E-08	6.30E-08	9.74E-07
2281	494661.06	3859951.99	3.17E-03	3.23E-03	3.23E-03	1.10E-06	3.31E-06	1.92E-06	1.96E-06	1.77E-06	8.09E-07	8.08E-07	0.00E+00	0.00E+00	3.53E-07	6.64E-08	4.21E-07	6.50E-08	6.26E-08	9.68E-07
2282	494711.06	3859951.99	3.07E-03	3.13E-03	3.13E-03	1.06E-06	3.21E-06	1.86E-06	1.90E-06	1.72E-06	7.84E-07	7.83E-07	0.00E+00	0.00E+00	3.42E-07	6.44E-08	4.08E-07	6.30E-08	6.07E-08	9.38E-07
2283	494761.06	3859951.99	3.03E-03	3.09E-03	3.09E-03	1.05E-06	3.17E-06	1.83E-06	1.87E-06	1.70E-06	7.74E-07	7.73E-07	0.00E+00	0.00E+00	3.37E-07	6.35E-08	4.03E-07	6.22E-08	5.99E-08	9.26E-07
2284	494811.06	3859951.99	2.98E-03	3.05E-03	3.04E-03	1.03E-06	3.12E-06	1.81E-06	1.84E-06	1.67E-06	7.62E-07	7.61E-07	0.00E+00	0.00E+00	3.32E-07	6.25E-08	3.97E-07	6.12E-08	5.90E-08	9.12E-07
2285	494861.06	3859951.99	2.95E-03	3.01E-03	3.01E-03	1.02E-06	3.09E-06	1.79E-06	1.82E-06	1.65E-06	7.55E-07	7.54E-07	0.00E+00	0.00E+00	3.29E-07	6.19E-08	3.93E-07	6.06E-08	5.84E-08	9.03E-07
2286	494911.06	3859951.99	2.89E-03	2.95E-03	2.94E-03	1.00E-06	3.02E-06	1.75E-06	1.78E-06	1.62E-06	7.38E-07	7.37E-07	0.00E+00	0.00E+00	3.22E-07	6.06E-08	3.84E-07	5.93E-08	5.71E-08	8.83E-07
2287	494961.06	3859951.99	2.83E-03	2.89E-03	2.89E-03	9.80E-07	2.96E-06	1.71E-06	1.75E-06	1.58E-06	7.23E-07	7.22E-07	0.00E+00	0.00E+00	3.15E-07	5.93E-08	3.76E-07	5.81E-08	5.59E-08	8.65E-07
2288	495011.06	3859951.99	2.78E-03	2.83E-03	2.83E-03	9.62E-07	2.90E-06	1.68E-06	1.72E-06	1.55E-06	7.09E-07	7.09E-07	0.00E+00	0.00E+00	3.09E-07	5.82E-08	3.69E-07	5.70E-08	5.49E-08	8.49E-07
2289	495061.06	3859951.99	2.73E-03	2.79E-03	2.79E-03	9.46E-07	2.86E-06	1.65E-06	1.69E-06	1.53E-06	6.98E-07	6.97E-07	0.00E+00	0.00E+00	3.04E-07	5.73E-08	3.64E-07	5.61E-08	5.40E-08	8.35E-07

2290	495111.06	3859951.99	2.68E-03	2.73E-03	2.73E-03	9.26E-07	2.80E-06	1.62E-06	1.65E-06	1.50E-06	6.83E-07	6.83E-07	0.00E+00	0.00E+00	2.98E-07	5.61E-08	3.56E-07	5.49E-08	5.29E-08	8.18E-07
2291	495161.06	3859951.99	2.62E-03	2.68E-03	2.67E-03	9.08E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.70E-07	6.69E-07	0.00E+00	0.00E+00	2.92E-07	5.49E-08	3.49E-07	5.38E-08	5.18E-08	8.01E-07
2292	495211.06	3859951.99	2.57E-03	2.62E-03	2.62E-03	8.89E-07	2.69E-06	1.55E-06	1.59E-06	1.44E-06	6.56E-07	6.55E-07	0.00E+00	0.00E+00	2.86E-07	5.38E-08	3.42E-07	5.27E-08	5.08E-08	7.85E-07
2293	495261.06	3859951.99	2.53E-03	2.58E-03	2.57E-03	8.74E-07	2.64E-06	1.53E-06	1.56E-06	1.41E-06	6.45E-07	6.44E-07	0.00E+00	0.00E+00	2.81E-07	5.29E-08	3.36E-07	5.18E-08	4.99E-08	7.72E-07
2294	495311.06	3859951.99	2.50E-03	2.55E-03	2.55E-03	8.65E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.38E-07	6.37E-07	0.00E+00	0.00E+00	2.78E-07	5.24E-08	3.32E-07	5.12E-08	4.93E-08	7.63E-07
2295	495361.06	3859951.99	2.46E-03	2.51E-03	2.51E-03	8.52E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.28E-07	6.28E-07	0.00E+00	0.00E+00	2.74E-07	5.16E-08	3.27E-07	5.05E-08	4.86E-08	7.52E-07
2296	495411.06	3859951.99	2.41E-03	2.46E-03	2.46E-03	8.35E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.16E-07	6.15E-07	0.00E+00	0.00E+00	2.69E-07	5.06E-08	3.21E-07	4.95E-08	4.76E-08	7.37E-07
2297	495461.06	3859951.99	2.37E-03	2.42E-03	2.42E-03	8.21E-07	2.48E-06	1.43E-06	1.46E-06	1.33E-06	6.05E-07	6.05E-07	0.00E+00	0.00E+00	2.64E-07	4.97E-08	3.15E-07	4.86E-08	4.68E-08	7.24E-07
2298	495511.06	3859951.99	2.33E-03	2.38E-03	2.37E-03	8.06E-07	2.43E-06	1.41E-06	1.44E-06	1.30E-06	5.95E-07	5.94E-07	0.00E+00	0.00E+00	2.59E-07	4.88E-08	3.10E-07	4.77E-08	4.60E-08	7.11E-07
2299	495561.06	3859951.99	2.31E-03	2.35E-03	2.35E-03	7.98E-07	2.41E-06	1.40E-06	1.42E-06	1.29E-06	5.89E-07	5.88E-07	0.00E+00	0.00E+00	2.57E-07	4.83E-08	3.07E-07	4.73E-08	4.56E-08	7.05E-07
2300	495611.06	3859951.99	2.26E-03	2.31E-03	2.31E-03	7.84E-07	2.37E-06	1.37E-06	1.40E-06	1.27E-06	5.78E-07	5.77E-07	0.00E+00	0.00E+00	2.52E-07	4.74E-08	3.01E-07	4.64E-08	4.47E-08	6.92E-07
2301	495661.06	3859951.99	2.22E-03	2.26E-03	2.26E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.66E-07	5.65E-07	0.00E+00	0.00E+00	2.47E-07	4.65E-08	2.95E-07	4.55E-08	4.38E-08	6.77E-07
2302	494311.06	3860001.99	3.63E-03	3.71E-03	3.70E-03	1.26E-06	3.80E-06	2.20E-06	2.24E-06	2.03E-06	9.27E-07	9.26E-07	0.00E+00	0.00E+00	4.04E-07	7.61E-08	4.83E-07	7.45E-08	7.17E-08	1.11E-06
2303	494361.06	3860001.99	3.56E-03	3.63E-03	3.63E-03	1.23E-06	3.72E-06	2.15E-06	2.20E-06	1.99E-06	9.09E-07	9.08E-07	0.00E+00	0.00E+00	3.96E-07	7.46E-08	4.73E-07	7.30E-08	7.03E-08	1.09E-06
2304	494411.06	3860001.99	3.46E-03	3.53E-03	3.52E-03	1.20E-06	3.61E-06	2.09E-06	2.14E-06	1.94E-06	8.83E-07	8.82E-07	0.00E+00	0.00E+00	3.85E-07	7.25E-08	4.60E-07	7.09E-08	6.83E-08	1.06E-06
2305	494461.06	3860001.99	3.41E-03	3.48E-03	3.47E-03	1.18E-06	3.56E-06	2.06E-06	2.10E-06	1.91E-06	8.70E-07	8.69E-07	0.00E+00	0.00E+00	3.79E-07	7.14E-08	4.53E-07	6.99E-08	6.73E-08	1.04E-06
2306	494511.06	3860001.99	3.33E-03	3.40E-03	3.39E-03	1.15E-06	3.48E-06	2.02E-06	2.06E-06	1.86E-06	8.51E-07	8.49E-07	0.00E+00	0.00E+00	3.71E-07	6.98E-08	4.43E-07	6.83E-08	6.58E-08	1.02E-06
2307	494561.06	3860001.99	3.36E-03	3.43E-03	3.43E-03	1.16E-06	3.51E-06	2.03E-06	2.08E-06	1.88E-06	8.59E-07	8.58E-07	0.00E+00	0.00E+00	3.74E-07	7.05E-08	4.47E-07	6.89E-08	6.64E-08	1.03E-06
2308	494611.06	3860001.99	3.28E-03	3.35E-03	3.34E-03	1.14E-06	3.43E-06	1.99E-06	2.03E-06	1.84E-06	8.38E-07	8.37E-07	0.00E+00	0.00E+00	3.65E-07	6.88E-08	4.36E-07	6.73E-08	6.48E-08	1.00E-06
2309	494661.06	3860001.99	3.23E-03	3.30E-03	3.29E-03	1.12E-06	3.38E-06	1.96E-06	2.00E-06	1.81E-06	8.25E-07	8.24E-07	0.00E+00	0.00E+00	3.60E-07	6.77E-08	4.30E-07	6.63E-08	6.38E-08	9.87E-07
2310	494711.06	3860001.99	3.10E-03	3.16E-03	3.16E-03	1.07E-06	3.24E-06	1.88E-06	1.91E-06	1.73E-06	7.92E-07	7.91E-07	0.00E+00	0.00E+00	3.45E-07	6.50E-08	4.12E-07	6.36E-08	6.12E-08	9.47E-07
2311	494761.06	3860001.99	3.09E-03	3.16E-03	3.15E-03	1.07E-06	3.23E-06	1.87E-06	1.91E-06	1.73E-06	7.90E-07	7.89E-07	0.00E+00	0.00E+00	3.44E-07	6.48E-08	4.11E-07	6.34E-08	6.11E-08	9.45E-07
2312	494811.06	3860001.99	3.05E-03	3.12E-03	3.11E-03	1.06E-06	3.19E-06	1.85E-06	1.88E-06	1.71E-06	7.80E-07	7.79E-07	0.00E+00	0.00E+00	3.40E-07	6.40E-08	4.06E-07	6.26E-08	6.03E-08	9.33E-07
2313	494861.06	3860001.99	3.02E-03	3.08E-03	3.08E-03	1.05E-06	3.16E-06	1.83E-06	1.86E-06	1.69E-06	7.71E-07	7.70E-07	0.00E+00	0.00E+00	3.36E-07	6.33E-08	4.02E-07	6.19E-08	5.96E-08	9.23E-07
2314	494911.06	3860001.99	2.91E-03	2.97E-03	2.96E-03	1.01E-06	3.04E-06	1.76E-06	1.79E-06	1.63E-06	7.42E-07	7.42E-07	0.00E+00	0.00E+00	3.24E-07	6.09E-08	3.87E-07	5.96E-08	5.74E-08	8.88E-07
2315	494961.06	3860001.99	2.87E-03	2.93E-03	2.93E-03	9.95E-07	3.00E-06	1.74E-06	1.77E-06	1.61E-06	7.34E-07	7.33E-07	0.00E+00	0.00E+00	3.20E-07	6.02E-08	3.82E-07	5.89E-08	5.67E-08	8.78E-07
2316	495011.06	3860001.99	2.81E-03	2.87E-03	2.87E-03	9.74E-07	2.94E-06	1.70E-06	1.74E-06	1.58E-06	7.19E-07	7.18E-07	0.00E+00	0.00E+00	3.13E-07	5.90E-08	3.74E-07	5.77E-08	5.56E-08	8.60E-07
2317	495061.06	3860001.99	2.78E-03	2.84E-03	2.84E-03	9.64E-07	2.91E-06	1.68E-06	1.72E-06	1.56E-06	7.11E-07	7.10E-07	0.00E+00	0.00E+00	3.10E-07	5.83E-08	3.70E-07	5.71E-08	5.50E-08	8.50E-07
2318	495111.06	3860001.99	2.73E-03	2.78E-03	2.78E-03	9.43E-07	2.85E-06	1.65E-06	1.68E-06	1.53E-06	6.96E-07	6.95E-07	0.00E+00	0.00E+00	3.03E-07	5.71E-08	3.62E-07	5.59E-08	5.38E-08	8.33E-07
2319	495161.06	3860001.99	2.67E-03	2.72E-03	2.72E-03	9.24E-07	2.79E-06	1.61E-06	1.65E-06	1.49E-06	6.82E-07	6.81E-07	0.00E+00	0.00E+00	2.97E-07	5.59E-08	3.55E-07	5.47E-08	5.27E-08	8.15E-07
2320	495211.06	3860001.99	2.64E-03	2.69E-03	2.69E-03	9.13E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.74E-07	6.73E-07	0.00E+00	0.00E+00	2.94E-07	5.53E-08	3.51E-07	5.41E-08	5.21E-08	8.06E-07
2321	495261.06	3860001.99	2.59E-03	2.64E-03	2.64E-03	8.96E-07	2.70E-06	1.57E-06	1.60E-06	1.45E-06	6.61E-07	6.60E-07	0.00E+00	0.00E+00	2.88E-07	5.42E-08	3.44E-07	5.31E-08	5.11E-08	7.91E-07
2322	495311.06	3860001.99	2.55E-03	2.60E-03	2.60E-03	8.82E-07	2.66E-06	1.54E-06	1.57E-06	1.43E-06	6.51E-07	6.50E-07	0.00E+00	0.00E+00	2.84E-07	5.34E-08	3.39E-07	5.23E-08	5.03E-08	7.79E-07
2323	495361.06	3860001.99	2.48E-03	2.53E-03	2.53E-03	8.59E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.34E-07	6.33E-07	0.00E+00	0.00E+00	2.76E-07	5.20E-08	3.30E-07	5.09E-08	4.90E-08	7.58E-07
2324	495411.06	3860001.99	2.46E-03	2.51E-03	2.51E-03	8.52E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.29E-07	6.28E-07	0.00E+00	0.00E+00	2.74E-07	5.16E-08	3.27E-07	5.05E-08	4.86E-08	7.52E-07
2325	495461.06	3860001.99	2.42E-03	2.47E-03	2.47E-03	8.38E-07	2.53E-06	1.46E-06	1.49E-06	1.35E-06	6.18E-07	6.17E-07	0.00E+00	0.00E+00	2.69E-07	5.07E-08	3.22E-07	4.96E-08	4.78E-08	7.39E-07
2326	495511.06	3860001.99	2.38E-03	2.43E-03	2.43E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.33E-06	6.08E-07	6.07E-07	0.00E+00	0.00E+00	2.65E-07	4.99E-08	3.17E-07	4.88E-08	4.70E-08	7.27E-07
2327	495561.06	3860001.99	2.35E-03	2.40E-03	2.40E-03	8.14E-07	2.46E-06	1.42E-06	1.45E-06	1.32E-06	6.01E-07	6.00E-07	0.00E+00	0.00E+00	2.62E-07	4.93E-08	3.13E-07	4.83E-08	4.65E-08	7.19E-07
2328	495611.06	3860001.99	2.31E-03	2.35E-03	2.35E-03	7.98E-07	2.41E-06	1.40E-06	1.42E-06	1.29E-06	5.89E-07	5.88E-07	0.00E+00	0.00E+00	2.57E-07	4.83E-08	3.07E-07	4.73E-08	4.55E-08	7.05E-07
2329	495661.06	3860001.99	2.26E-03	2.31E-03	2.31E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.78E-07	5.77E-07	0.00E+00	0.00E+00	2.52E-07	4.74E-08	3.01E-07	4.64E-08	4.47E-08	6.91E-07
2330	494411.06	3860051.99	3.53E-03	3.60E-03	3.60E-03	1.22E-06	3.69E-06	2.14E-06	2.18E-06	1.98E-06	9.02E-07	9.01E-07	0.00E+00	0.00E+00	3.93E-07	7.40E-08	4.70E-07	7.24E-08	6.98E-08	1.08E-06
2331	494461.06	3860051.99	3.46E-03	3.53E-03	3.53E-03	1.20E-06	3.62E-06	2.09E-06	2.14E-06	1.94E-06	8.84E-07	8.83E-07	0.00E+00	0.00E+00	3.85E-07	7.25E-08	4.60E-07	7.10E-08	6.84E-08	1.06E-06
2332	494511.06	3860051.99	3.40E-03	3.47E-03	3.46E-03	1.18E-06	3.55E-06	2.05E-06	2.10E-06	1.90E-06	8.67E-07	8.66E-07	0.00E+00	0.00E+00	3.78E-07	7.12E-08	4.52E-07	6.96E-08	6.71E-08	1.04E-06
2333	494561.06	3860051.99	3.38E-03	3.45E-03	3.45E-03	1.17E-06	3.54E-06	2.05E-06	2.09E-06	1.89E-06	8.64E-07	8.63E-07	0.00E+00	0.00E+00	3.77E-07	7.09E-08	4.50E-07	6.94E-08	6.68E-08	1.03E-06
2334	494611.06	3860051.99	3.34E-03	3.41E-03	3.40E-03	1.16E-06	3.49E-06	2.02E-06	2.06E-06	1.87E-06	8.53E-07	8.52E-07	0.00E+00	0.00E+00	3.72E-07	7.00E-08	4.44E-07	6.85E-08	6.60E-08	1.02E-06
2335	494661.06	3860051.99	3.29E-03	3.36E-03	3.35E-03	1.14E-06	3.44E-06	1.99E-06	2.03E-06	1.84E-06	8.40E-07	8.39E-07	0.00E+00	0.00E+00	3.66E-07	6.89E-08	4.37E-07	6.75E-08	6.50E-08	1.00E-06
2336	494711.06	3860051.99	3.19E-03	3.26E-03	3.25E-03	1.11E-06	3.34E-06	1.93E-06	1.97E-06	1.79E-06	8.15E-07	8.14E-07	0.00E+00	0.00E+00	3.55E-07	6.69E-08	4.25E-07	6.55E-08	6.31E-08	9.75E-07
2337	494761.06	3860051.99	3.15E-03	3.21E-03	3.21E-03	1.09E-06	3.29E-06	1.91E-06	1.94E-06	1.76E-06	8.04E-07	8.03E-07	0.00E+00	0.00E+00	3.51E-07	6.60E-08	4.19E-07	6.46E-08	6.22E-08	9.62E-07
2338	494811.06	3860051.99	3.12E-03	3.19E-03	3.18E-03	1.08E-06	3.26E-06	1.89E-06	1.93E-06	1.75E-06	7.98E-07	7.97E-07	0.00E+00	0.00E+00	3.48E-07	6.55E-08	4.15E-07	6.40E-08	6.17E-08	9.54E-07
2339	494861.06	3860051.99	3.09E-03	3.16E-03	3.15E-03	1.07E-06	3.23E-06	1.87E-06	1.91E-06	1.73E-06	7.90E-07	7.89E-07	0.00E+00	0.00E+00	3.44E-07	6.48E-08	4.11E-07	6.34E-08	6.11E-08	9.45E-07
2340	494911.06	3860051.99	3.02E-03	3.08E-03	3.08E-03	1.04E-06	3.15E-06	1.83E-06	1.86E-06	1.69E-06	7.71E-07	7.70E-07	0.00E+00	0.00E+00	3.36E-07	6.32E-08	4.01E-07	6.19E-08	5.96E-08	9.22E-07
2341	494961.06	3860051.99	2.94E-03	3.00E-03	3.00E-03	1.02E-06	3.08E-06	1.78E-06	1.82E-06	1.65E-06	7.51E-07	7.51E-07	0.00E+00	0.00E+00	3.28E-07	6.17E-08	3.91E-07	6.03E-08	5.81E-08	8.99E-07
2342	495011.06	3860051.99	2.88E-03	2.94E-03	2.93E-03	9.96E-07	3.01E-06	1.74E-06	1.78E-06	1.61E-06	7.35E-07	7.34E-07	0.00E+00	0.00E+00	3.20E-07	6.03E-08	3.83E-07	5.90E-08	5.68E-08	8.79E-07
2343	495061.06	3860051.99	2.83E-03	2.88E-03	2.88E-03	9.78E-07	2.95E-06	1.71E-06	1.74E-06	1.58E-06	7.22E-07	7.21E-07	0.00E+00	0.00E+00	3.14E-07	5.92E-08	3.76E-07	5.79E-08	5.58E-08	8.63E-07
2344	495111.06	3860051.99	2.76E-03	2.82E-03	2.81E-03	9.55E-07	2.88E-06	1.67E-06	1.70E-06	1.54E-06	7.05E-07	7.04E-07	0.00E+00	0.00E+00	3.07E-07	5.78E-08	3.67E-07	5.66E-08	5.45E-08	8.43E-07
2345	495161.06	3860051.99	2.71E-03	2.77E-03	2.76E-03	9.38E-07	2.83E-06	1.64E-06	1.67E-06	1.52E-06	6.92E-07	6.92E-07	0.00E+00	0.00E+00	3.02E-07	5.68E-08	3.61E-07	5.56E-08	5.35E-08	8.28E-07

2346	495211.06	3860051.99	2.66E-03	2.71E-03	2.71E-03	9.20E-07	2.78E-06	1.61E-06	1.64E-06	1.49E-06	6.79E-07	6.78E-07	0.00E+00	0.00E+00	2.96E-07	5.57E-08	3.53E-07	5.45E-08	5.25E-08	8.12E-07
2347	495261.06	3860051.99	2.62E-03	2.67E-03	2.67E-03	9.07E-07	2.74E-06	1.58E-06	1.62E-06	1.47E-06	6.69E-07	6.68E-07	0.00E+00	0.00E+00	2.92E-07	5.49E-08	3.48E-07	5.37E-08	5.17E-08	8.00E-07
2348	495311.06	3860051.99	2.59E-03	2.64E-03	2.64E-03	8.95E-07	2.70E-06	1.56E-06	1.60E-06	1.45E-06	6.60E-07	6.60E-07	0.00E+00	0.00E+00	2.88E-07	5.42E-08	3.44E-07	5.30E-08	5.11E-08	7.90E-07
2349	495361.06	3860051.99	2.55E-03	2.60E-03	2.60E-03	8.82E-07	2.66E-06	1.54E-06	1.57E-06	1.43E-06	6.50E-07	6.50E-07	0.00E+00	0.00E+00	2.84E-07	5.34E-08	3.39E-07	5.22E-08	5.03E-08	7.78E-07
2350	495411.06	3860051.99	2.51E-03	2.56E-03	2.55E-03	8.67E-07	2.62E-06	1.52E-06	1.55E-06	1.40E-06	6.40E-07	6.39E-07	0.00E+00	0.00E+00	2.79E-07	5.25E-08	3.33E-07	5.14E-08	4.95E-08	7.66E-07
2351	495461.06	3860051.99	2.46E-03	2.51E-03	2.51E-03	8.52E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.29E-07	6.28E-07	0.00E+00	0.00E+00	2.74E-07	5.16E-08	3.27E-07	5.05E-08	4.86E-08	7.52E-07
2352	495511.06	3860051.99	2.43E-03	2.48E-03	2.47E-03	8.40E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.20E-07	6.19E-07	0.00E+00	0.00E+00	2.70E-07	5.09E-08	3.23E-07	4.98E-08	4.80E-08	7.42E-07
2353	495561.06	3860051.99	2.39E-03	2.44E-03	2.44E-03	8.27E-07	2.50E-06	1.45E-06	1.48E-06	1.34E-06	6.10E-07	6.10E-07	0.00E+00	0.00E+00	2.66E-07	5.01E-08	3.18E-07	4.90E-08	4.72E-08	7.30E-07
2354	495611.06	3860051.99	2.35E-03	2.39E-03	2.39E-03	8.12E-07	2.45E-06	1.42E-06	1.45E-06	1.31E-06	5.99E-07	5.99E-07	0.00E+00	0.00E+00	2.61E-07	4.92E-08	3.12E-07	4.81E-08	4.64E-08	7.17E-07
2355	495661.06	3860051.99	2.30E-03	2.34E-03	2.34E-03	7.95E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.87E-07	5.86E-07	0.00E+00	0.00E+00	2.56E-07	4.81E-08	3.05E-07	4.71E-08	4.54E-08	7.02E-07
2356	494411.06	3860101.99	3.54E-03	3.61E-03	3.61E-03	1.23E-06	3.70E-06	2.14E-06	2.19E-06	1.98E-06	9.04E-07	9.03E-07	0.00E+00	0.00E+00	3.94E-07	7.42E-08	4.71E-07	7.26E-08	6.99E-08	1.08E-06
2357	494461.06	3860101.99	3.52E-03	3.59E-03	3.59E-03	1.22E-06	3.68E-06	2.13E-06	2.17E-06	1.97E-06	8.99E-07	8.98E-07	0.00E+00	0.00E+00	3.92E-07	7.37E-08	4.68E-07	7.22E-08	6.95E-08	1.08E-06
2358	494511.06	3860101.99	3.42E-03	3.49E-03	3.49E-03	1.19E-06	3.58E-06	2.07E-06	2.11E-06	1.92E-06	8.74E-07	8.73E-07	0.00E+00	0.00E+00	3.81E-07	7.18E-08	4.55E-07	7.02E-08	6.76E-08	1.05E-06
2359	494561.06	3860101.99	3.38E-03	3.45E-03	3.45E-03	1.17E-06	3.54E-06	2.05E-06	2.09E-06	1.89E-06	8.64E-07	8.63E-07	0.00E+00	0.00E+00	3.77E-07	7.09E-08	4.50E-07	6.94E-08	6.68E-08	1.03E-06
2360	494611.06	3860101.99	3.37E-03	3.44E-03	3.43E-03	1.17E-06	3.52E-06	2.04E-06	2.08E-06	1.89E-06	8.61E-07	8.60E-07	0.00E+00	0.00E+00	3.75E-07	7.06E-08	4.48E-07	6.91E-08	6.66E-08	1.03E-06
2361	494661.06	3860101.99	3.32E-03	3.39E-03	3.39E-03	1.15E-06	3.47E-06	2.01E-06	2.05E-06	1.86E-06	8.49E-07	8.48E-07	0.00E+00	0.00E+00	3.70E-07	6.97E-08	4.42E-07	6.82E-08	6.57E-08	1.02E-06
2362	494711.06	3860101.99	3.24E-03	3.30E-03	3.30E-03	1.12E-06	3.38E-06	1.96E-06	2.00E-06	1.81E-06	8.27E-07	8.26E-07	0.00E+00	0.00E+00	3.60E-07	6.79E-08	4.31E-07	6.64E-08	6.40E-08	9.89E-07
2363	494761.06	3860101.99	3.19E-03	3.26E-03	3.25E-03	1.10E-06	3.34E-06	1.93E-06	1.97E-06	1.79E-06	8.15E-07	8.14E-07	0.00E+00	0.00E+00	3.55E-07	6.69E-08	4.24E-07	6.54E-08	6.30E-08	9.75E-07
2364	494811.06	3860101.99	3.15E-03	3.21E-03	3.21E-03	1.09E-06	3.29E-06	1.90E-06	1.94E-06	1.76E-06	8.04E-07	8.03E-07	0.00E+00	0.00E+00	3.50E-07	6.60E-08	4.19E-07	6.46E-08	6.22E-08	9.62E-07
2365	494861.06	3860101.99	3.16E-03	3.22E-03	3.22E-03	1.09E-06	3.30E-06	1.91E-06	1.95E-06	1.77E-06	8.06E-07	8.06E-07	0.00E+00	0.00E+00	3.52E-07	6.62E-08	4.20E-07	6.48E-08	6.24E-08	9.65E-07
2366	494911.06	3860101.99	3.02E-03	3.09E-03	3.08E-03	1.05E-06	3.16E-06	1.83E-06	1.87E-06	1.69E-06	7.72E-07	7.71E-07	0.00E+00	0.00E+00	3.37E-07	6.34E-08	4.02E-07	6.20E-08	5.97E-08	9.24E-07
2367	494961.06	3860101.99	2.98E-03	3.04E-03	3.03E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.67E-06	7.60E-07	7.59E-07	0.00E+00	0.00E+00	3.31E-07	6.24E-08	3.96E-07	6.10E-08	5.88E-08	9.09E-07
2368	495011.06	3860101.99	2.91E-03	2.97E-03	2.97E-03	1.01E-06	3.04E-06	1.76E-06	1.80E-06	1.63E-06	7.44E-07	7.43E-07	0.00E+00	0.00E+00	3.24E-07	6.10E-08	3.87E-07	5.97E-08	5.75E-08	8.90E-07
2369	495061.06	3860101.99	2.85E-03	2.91E-03	2.91E-03	9.88E-07	2.98E-06	1.73E-06	1.76E-06	1.60E-06	7.29E-07	7.28E-07	0.00E+00	0.00E+00	3.18E-07	5.98E-08	3.80E-07	5.85E-08	5.64E-08	8.72E-07
2370	495111.06	3860101.99	2.79E-03	2.84E-03	2.84E-03	9.64E-07	2.91E-06	1.69E-06	1.72E-06	1.56E-06	7.11E-07	7.10E-07	0.00E+00	0.00E+00	3.10E-07	5.84E-08	3.70E-07	5.71E-08	5.50E-08	8.51E-07
2371	495161.06	3860101.99	2.75E-03	2.80E-03	2.80E-03	9.51E-07	2.87E-06	1.66E-06	1.70E-06	1.54E-06	7.02E-07	7.01E-07	0.00E+00	0.00E+00	3.06E-07	5.76E-08	3.65E-07	5.63E-08	5.43E-08	8.39E-07
2372	495211.06	3860101.99	2.70E-03	2.75E-03	2.75E-03	9.35E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.89E-07	6.89E-07	0.00E+00	0.00E+00	3.01E-07	5.66E-08	3.59E-07	5.54E-08	5.33E-08	8.25E-07
2373	495261.06	3860101.99	2.65E-03	2.71E-03	2.70E-03	9.18E-07	2.77E-06	1.61E-06	1.64E-06	1.48E-06	6.77E-07	6.77E-07	0.00E+00	0.00E+00	2.95E-07	5.56E-08	3.53E-07	5.44E-08	5.24E-08	8.10E-07
2374	495311.06	3860101.99	2.61E-03	2.67E-03	2.66E-03	9.04E-07	2.73E-06	1.58E-06	1.61E-06	1.46E-06	6.67E-07	6.66E-07	0.00E+00	0.00E+00	2.91E-07	5.48E-08	3.47E-07	5.36E-08	5.16E-08	7.98E-07
2375	495361.06	3860101.99	2.58E-03	2.63E-03	2.63E-03	8.93E-07	2.70E-06	1.56E-06	1.59E-06	1.44E-06	6.59E-07	6.58E-07	0.00E+00	0.00E+00	2.87E-07	5.41E-08	3.43E-07	5.29E-08	5.10E-08	7.89E-07
2376	495411.06	3860101.99	2.54E-03	2.59E-03	2.59E-03	8.78E-07	2.65E-06	1.53E-06	1.57E-06	1.42E-06	6.48E-07	6.47E-07	0.00E+00	0.00E+00	2.82E-07	5.32E-08	3.37E-07	5.20E-08	5.01E-08	7.75E-07
2377	495461.06	3860101.99	2.48E-03	2.53E-03	2.53E-03	8.59E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.34E-07	6.33E-07	0.00E+00	0.00E+00	2.76E-07	5.20E-08	3.30E-07	5.09E-08	4.90E-08	7.58E-07
2378	495511.06	3860101.99	2.45E-03	2.50E-03	2.50E-03	8.49E-07	2.56E-06	1.48E-06	1.51E-06	1.37E-06	6.26E-07	6.26E-07	0.00E+00	0.00E+00	2.73E-07	5.14E-08	3.26E-07	5.03E-08	4.84E-08	7.49E-07
2379	495561.06	3860101.99	2.42E-03	2.47E-03	2.47E-03	8.39E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.19E-07	6.18E-07	0.00E+00	0.00E+00	2.70E-07	5.08E-08	3.22E-07	4.97E-08	4.79E-08	7.40E-07
2380	495611.06	3860101.99	2.37E-03	2.42E-03	2.42E-03	8.21E-07	2.48E-06	1.43E-06	1.46E-06	1.33E-06	6.06E-07	6.05E-07	0.00E+00	0.00E+00	2.64E-07	4.97E-08	3.15E-07	4.86E-08	4.68E-08	7.24E-07
2381	495661.06	3860101.99	2.33E-03	2.38E-03	2.38E-03	8.08E-07	2.44E-06	1.41E-06	1.44E-06	1.31E-06	5.96E-07	5.96E-07	0.00E+00	0.00E+00	2.60E-07	4.89E-08	3.11E-07	4.79E-08	4.61E-08	7.13E-07
2382	494861.06	3860151.99	3.21E-03	3.27E-03	3.27E-03	1.11E-06	3.35E-06	1.94E-06	1.98E-06	1.80E-06	8.19E-07	8.18E-07	0.00E+00	0.00E+00	3.57E-07	6.72E-08	4.27E-07	6.58E-08	6.34E-08	9.80E-07
2383	494911.06	3860151.99	3.07E-03	3.13E-03	3.13E-03	1.06E-06	3.21E-06	1.86E-06	1.89E-06	1.72E-06	7.84E-07	7.83E-07	0.00E+00	0.00E+00	3.42E-07	6.43E-08	4.08E-07	6.29E-08	6.06E-08	9.37E-07
2384	494961.06	3860151.99	3.01E-03	3.07E-03	3.06E-03	1.04E-06	3.14E-06	1.82E-06	1.86E-06	1.68E-06	7.68E-07	7.67E-07	0.00E+00	0.00E+00	3.35E-07	6.30E-08	4.00E-07	6.17E-08	5.94E-08	9.19E-07
2385	495011.06	3860151.99	2.94E-03	3.00E-03	3.00E-03	1.02E-06	3.08E-06	1.78E-06	1.82E-06	1.65E-06	7.51E-07	7.51E-07	0.00E+00	0.00E+00	3.28E-07	6.17E-08	3.91E-07	6.03E-08	5.81E-08	8.99E-07
2386	495061.06	3860151.99	2.88E-03	2.94E-03	2.94E-03	9.97E-07	3.01E-06	1.74E-06	1.78E-06	1.61E-06	7.36E-07	7.35E-07	0.00E+00	0.00E+00	3.21E-07	6.04E-08	3.83E-07	5.91E-08	5.69E-08	8.80E-07
2387	495111.06	3860151.99	2.83E-03	2.89E-03	2.88E-03	9.79E-07	2.96E-06	1.71E-06	1.75E-06	1.58E-06	7.23E-07	7.22E-07	0.00E+00	0.00E+00	3.15E-07	5.93E-08	3.76E-07	5.80E-08	5.59E-08	8.64E-07
2388	495161.06	3860151.99	2.78E-03	2.84E-03	2.84E-03	9.63E-07	2.91E-06	1.68E-06	1.72E-06	1.56E-06	7.11E-07	7.10E-07	0.00E+00	0.00E+00	3.10E-07	5.83E-08	3.70E-07	5.71E-08	5.50E-08	8.50E-07
2389	495211.06	3860151.99	2.73E-03	2.79E-03	2.78E-03	9.46E-07	2.86E-06	1.65E-06	1.69E-06	1.53E-06	6.98E-07	6.97E-07	0.00E+00	0.00E+00	3.04E-07	5.73E-08	3.63E-07	5.60E-08	5.40E-08	8.35E-07
2390	495261.06	3860151.99	2.69E-03	2.74E-03	2.74E-03	9.31E-07	2.81E-06	1.63E-06	1.66E-06	1.51E-06	6.87E-07	6.86E-07	0.00E+00	0.00E+00	2.99E-07	5.64E-08	3.58E-07	5.52E-08	5.31E-08	8.22E-07
2391	495311.06	3860151.99	2.65E-03	2.70E-03	2.70E-03	9.17E-07	2.77E-06	1.60E-06	1.63E-06	1.48E-06	6.76E-07	6.75E-07	0.00E+00	0.00E+00	2.95E-07	5.55E-08	3.52E-07	5.43E-08	5.23E-08	8.09E-07
2392	495361.06	3860151.99	2.61E-03	2.66E-03	2.66E-03	9.03E-07	2.73E-06	1.58E-06	1.61E-06	1.46E-06	6.66E-07	6.65E-07	0.00E+00	0.00E+00	2.90E-07	5.47E-08	3.47E-07	5.35E-08	5.15E-08	7.97E-07
2393	495411.06	3860151.99	2.57E-03	2.62E-03	2.61E-03	8.88E-07	2.68E-06	1.55E-06	1.58E-06	1.44E-06	6.55E-07	6.54E-07	0.00E+00	0.00E+00	2.86E-07	5.38E-08	3.41E-07	5.26E-08	5.07E-08	7.84E-07
2394	495461.06	3860151.99	2.52E-03	2.58E-03	2.57E-03	8.74E-07	2.64E-06	1.53E-06	1.56E-06	1.41E-06	6.45E-07	6.44E-07	0.00E+00	0.00E+00	2.81E-07	5.29E-08	3.36E-07	5.18E-08	4.99E-08	7.71E-07
2395	495511.06	3860151.99	2.48E-03	2.53E-03	2.53E-03	8.58E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.33E-07	6.32E-07	0.00E+00	0.00E+00	2.76E-07	5.20E-08	3.30E-07	5.08E-08	4.90E-08	7.57E-07
2396	495561.06	3860151.99	2.44E-03	2.49E-03	2.49E-03	8.46E-07	2.56E-06	1.48E-06	1.51E-06	1.37E-06	6.24E-07	6.24E-07	0.00E+00	0.00E+00	2.72E-07	5.12E-08	3.25E-07	5.01E-08	4.83E-08	7.47E-07
2397	495611.06	3860151.99	2.40E-03	2.45E-03	2.45E-03	8.32E-07	2.51E-06	1.45E-06	1.48E-06	1.34E-06	6.13E-07	6.13E-07	0.00E+00	0.00E+00	2.67E-07	5.03E-08	3.19E-07	4.93E-08	4.74E-08	7.34E-07
2398	495661.06	3860151.99	2.36E-03	2.41E-03	2.40E-03	8.16E-07	2.46E-06	1.43E-06	1.46E-06	1.32E-06	6.02E-07	6.01E-07	0.00E+00	0.00E+00	2.62E-07	4.94E-08	3.14E-07	4.83E-08	4.66E-08	7.20E-07
2399	495718.25	3859442.96	1.68E-03	1.71E-03	1.71E-03	5.81E-07	1.75E-06	1.02E-06	1.04E-06	9.39E-07	4.28E-07	4.28E-07	0.00E+00	0.00E+00	1.87E-07	3.52E-08	2.23E-07	3.44E-08	3.31E-08	5.13E-07
2400	495818.25	3859442.96	1.63E-03	1.66E-03	1.66E-03	5.64E-07	1.70E-06	9.86E-07	1.01E-06	9.12E-07	4.16E-07	4.16E-07	0.00E+00	0.00E+00	1.81E-07	3.41E-08	2.17E-07	3.34E-08	3.22E-08	4.98E-07
2401	495918.25	3859442.96	1.59E-03	1.62E-03	1.62E-03	5.51E-07	1.66E-06	9.63E-07	9.82E-07	8.91E-07	4.06E-07	4.06E-07	0.00E+00	0.00E+00	1.77E-07	3.33E-08	2.12E-07	3.26E-08	3.14E-08	4.86E-07

2402	496018.25	3859442.96	1.56E-03	1.59E-03	1.59E-03	5.39E-07	1.63E-06	9.43E-07	9.62E-07	8.72E-07	3.98E-07	3.97E-07	0.00E+00	0.00E+00	1.73E-07	3.27E-08	2.07E-07	3.20E-08	3.08E-08	4.76E-07
2403	496118.25	3859442.96	1.56E-03	1.59E-03	1.59E-03	5.39E-07	1.63E-06	9.42E-07	9.61E-07	8.71E-07	3.97E-07	3.97E-07	0.00E+00	0.00E+00	1.73E-07	3.26E-08	2.07E-07	3.19E-08	3.07E-08	4.76E-07
2404	496218.25	3859442.96	1.55E-03	1.58E-03	1.58E-03	5.37E-07	1.62E-06	9.38E-07	9.58E-07	8.68E-07	3.96E-07	3.96E-07	0.00E+00	0.00E+00	1.73E-07	3.25E-08	2.06E-07	3.18E-08	3.06E-08	4.74E-07
2405	496318.25	3859442.96	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.39E-07	8.52E-07	3.89E-07	3.88E-07	0.00E+00	0.00E+00	1.69E-07	3.19E-08	2.02E-07	3.12E-08	3.01E-08	4.65E-07
2406	496418.25	3859442.96	1.49E-03	1.52E-03	1.52E-03	5.16E-07	1.56E-06	9.02E-07	9.21E-07	8.35E-07	3.81E-07	3.80E-07	0.00E+00	0.00E+00	1.66E-07	3.13E-08	1.98E-07	3.06E-08	2.95E-08	4.56E-07
2407	495718.25	3859542.96	1.78E-03	1.82E-03	1.82E-03	6.18E-07	1.86E-06	1.08E-06	1.10E-06	9.98E-07	4.56E-07	4.55E-07	0.00E+00	0.00E+00	1.99E-07	3.74E-08	2.37E-07	3.66E-08	3.52E-08	5.45E-07
2408	495818.25	3859542.96	1.74E-03	1.78E-03	1.77E-03	6.02E-07	1.82E-06	1.05E-06	1.07E-06	9.74E-07	4.44E-07	4.44E-07	0.00E+00	0.00E+00	1.94E-07	3.65E-08	2.31E-07	3.57E-08	3.44E-08	5.32E-07
2409	495918.25	3859542.96	1.69E-03	1.72E-03	1.72E-03	5.85E-07	1.77E-06	1.02E-06	1.04E-06	9.46E-07	4.32E-07	4.31E-07	0.00E+00	0.00E+00	1.88E-07	3.54E-08	2.25E-07	3.47E-08	3.34E-08	5.16E-07
2410	496018.25	3859542.96	1.65E-03	1.68E-03	1.68E-03	5.70E-07	1.72E-06	9.97E-07	1.02E-06	9.22E-07	4.21E-07	4.20E-07	0.00E+00	0.00E+00	1.83E-07	3.45E-08	2.19E-07	3.38E-08	3.25E-08	5.03E-07
2411	496118.25	3859542.96	1.64E-03	1.68E-03	1.68E-03	5.69E-07	1.72E-06	9.95E-07	1.01E-06	9.20E-07	4.20E-07	4.19E-07	0.00E+00	0.00E+00	1.83E-07	3.44E-08	2.19E-07	3.37E-08	3.25E-08	5.02E-07
2412	496218.25	3859542.96	1.63E-03	1.66E-03	1.66E-03	5.64E-07	1.70E-06	9.86E-07	1.01E-06	9.12E-07	4.16E-07	4.16E-07	0.00E+00	0.00E+00	1.81E-07	3.42E-08	2.17E-07	3.34E-08	3.22E-08	4.98E-07
2413	496318.25	3859542.96	1.61E-03	1.64E-03	1.64E-03	5.57E-07	1.68E-06	9.74E-07	9.94E-07	9.01E-07	4.11E-07	4.11E-07	0.00E+00	0.00E+00	1.79E-07	3.37E-08	2.14E-07	3.30E-08	3.18E-08	4.92E-07
2414	496418.25	3859542.96	1.57E-03	1.60E-03	1.60E-03	5.43E-07	1.64E-06	9.49E-07	9.69E-07	8.78E-07	4.01E-07	4.00E-07	0.00E+00	0.00E+00	1.75E-07	3.29E-08	2.09E-07	3.22E-08	3.10E-08	4.79E-07
2415	495718.25	3859642.96	1.88E-03	1.92E-03	1.91E-03	6.50E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.80E-07	4.79E-07	0.00E+00	0.00E+00	2.09E-07	3.94E-08	2.50E-07	3.85E-08	3.71E-08	5.74E-07
2416	495818.25	3859642.96	1.82E-03	1.86E-03	1.86E-03	6.31E-07	1.91E-06	1.10E-06	1.13E-06	1.02E-06	4.66E-07	4.65E-07	0.00E+00	0.00E+00	2.03E-07	3.82E-08	2.42E-07	3.74E-08	3.60E-08	5.57E-07
2417	495918.25	3859642.96	1.78E-03	1.82E-03	1.82E-03	6.17E-07	1.86E-06	1.08E-06	1.10E-06	9.98E-07	4.56E-07	4.55E-07	0.00E+00	0.00E+00	1.99E-07	3.74E-08	2.37E-07	3.66E-08	3.52E-08	5.45E-07
2418	496018.25	3859642.96	1.74E-03	1.77E-03	1.77E-03	6.01E-07	1.81E-06	1.05E-06	1.07E-06	9.72E-07	4.43E-07	4.43E-07	0.00E+00	0.00E+00	1.93E-07	3.64E-08	2.31E-07	3.56E-08	3.43E-08	5.31E-07
2419	496118.25	3859642.96	1.74E-03	1.77E-03	1.77E-03	6.01E-07	1.82E-06	1.05E-06	1.07E-06	9.72E-07	4.44E-07	4.43E-07	0.00E+00	0.00E+00	1.93E-07	3.64E-08	2.31E-07	3.56E-08	3.43E-08	5.31E-07
2420	496218.25	3859642.96	1.73E-03	1.76E-03	1.76E-03	5.98E-07	1.80E-06	1.04E-06	1.07E-06	9.66E-07	4.41E-07	4.40E-07	0.00E+00	0.00E+00	1.92E-07	3.62E-08	2.30E-07	3.54E-08	3.41E-08	5.27E-07
2421	496318.25	3859642.96	1.69E-03	1.72E-03	1.72E-03	5.84E-07	1.76E-06	1.02E-06	1.04E-06	9.44E-07	4.31E-07	4.30E-07	0.00E+00	0.00E+00	1.88E-07	3.53E-08	2.24E-07	3.46E-08	3.33E-08	5.15E-07
2422	496418.25	3859642.96	1.59E-03	1.62E-03	1.62E-03	5.49E-07	1.66E-06	9.60E-07	9.80E-07	8.88E-07	4.05E-07	4.05E-07	0.00E+00	0.00E+00	1.77E-07	3.33E-08	2.11E-07	3.25E-08	3.13E-08	4.85E-07
2423	495718.25	3859742.96	1.99E-03	2.03E-03	2.03E-03	6.90E-07	2.08E-06	1.21E-06	1.23E-06	1.12E-06	5.09E-07	5.09E-07	0.00E+00	0.00E+00	2.22E-07	4.18E-08	2.65E-07	4.09E-08	3.94E-08	6.09E-07
2424	495818.25	3859742.96	1.93E-03	1.96E-03	1.96E-03	6.66E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.92E-07	4.91E-07	0.00E+00	0.00E+00	2.14E-07	4.03E-08	2.56E-07	3.95E-08	3.80E-08	5.88E-07
2425	495918.25	3859742.96	1.87E-03	1.91E-03	1.91E-03	6.48E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.78E-07	4.78E-07	0.00E+00	0.00E+00	2.08E-07	3.92E-08	2.49E-07	3.84E-08	3.70E-08	5.72E-07
2426	496018.25	3859742.96	1.82E-03	1.86E-03	1.85E-03	6.30E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.65E-07	4.64E-07	0.00E+00	0.00E+00	2.02E-07	3.81E-08	2.42E-07	3.73E-08	3.59E-08	5.56E-07
2427	496118.25	3859742.96	1.81E-03	1.85E-03	1.85E-03	6.27E-07	1.89E-06	1.10E-06	1.12E-06	1.01E-06	4.63E-07	4.62E-07	0.00E+00	0.00E+00	2.02E-07	3.80E-08	2.41E-07	3.72E-08	3.58E-08	5.54E-07
2428	496218.25	3859742.96	1.82E-03	1.85E-03	1.85E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.64E-07	4.63E-07	0.00E+00	0.00E+00	2.02E-07	3.80E-08	2.41E-07	3.72E-08	3.59E-08	5.55E-07
2429	496318.25	3859742.96	1.72E-03	1.75E-03	1.75E-03	5.94E-07	1.79E-06	1.04E-06	1.06E-06	9.61E-07	4.38E-07	4.38E-07	0.00E+00	0.00E+00	1.91E-07	3.60E-08	2.28E-07	3.52E-08	3.39E-08	5.24E-07
2430	496418.25	3859742.96	1.63E-03	1.66E-03	1.66E-03	5.63E-07	1.70E-06	9.84E-07	1.00E-06	9.11E-07	4.15E-07	4.15E-07	0.00E+00	0.00E+00	1.81E-07	3.41E-08	2.16E-07	3.34E-08	3.21E-08	4.97E-07
2431	495718.25	3859842.96	2.09E-03	2.13E-03	2.13E-03	7.24E-07	2.19E-06	1.27E-06	1.29E-06	1.17E-06	5.34E-07	5.34E-07	0.00E+00	0.00E+00	2.33E-07	4.38E-08	2.78E-07	4.29E-08	4.13E-08	6.39E-07
2432	495818.25	3859842.96	2.03E-03	2.07E-03	2.07E-03	7.03E-07	2.12E-06	1.23E-06	1.25E-06	1.14E-06	5.18E-07	5.18E-07	0.00E+00	0.00E+00	2.26E-07	4.25E-08	2.70E-07	4.16E-08	4.01E-08	6.20E-07
2433	495918.25	3859842.96	1.97E-03	2.01E-03	2.01E-03	6.82E-07	2.06E-06	1.19E-06	1.22E-06	1.10E-06	5.03E-07	5.02E-07	0.00E+00	0.00E+00	2.19E-07	4.13E-08	2.62E-07	4.04E-08	3.89E-08	6.02E-07
2434	496018.25	3859842.96	1.93E-03	1.97E-03	1.97E-03	6.67E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.92E-07	4.92E-07	0.00E+00	0.00E+00	2.15E-07	4.04E-08	2.56E-07	3.95E-08	3.81E-08	5.89E-07
2435	496118.25	3859842.96	1.93E-03	1.97E-03	1.97E-03	6.69E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.94E-07	4.93E-07	0.00E+00	0.00E+00	2.15E-07	4.05E-08	2.57E-07	3.96E-08	3.82E-08	5.90E-07
2436	496218.25	3859842.96	1.83E-03	1.87E-03	1.87E-03	6.35E-07	1.92E-06	1.11E-06	1.13E-06	1.03E-06	4.68E-07	4.68E-07	0.00E+00	0.00E+00	2.04E-07	3.84E-08	2.44E-07	3.76E-08	3.62E-08	5.60E-07
2437	496318.25	3859842.96	1.67E-03	1.70E-03	1.70E-03	5.78E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.26E-07	4.26E-07	0.00E+00	0.00E+00	1.86E-07	3.50E-08	2.22E-07	3.42E-08	3.30E-08	5.10E-07
2438	496418.25	3859842.96	1.57E-03	1.60E-03	1.60E-03	5.44E-07	1.64E-06	9.50E-07	9.70E-07	8.79E-07	4.01E-07	4.01E-07	0.00E+00	0.00E+00	1.75E-07	3.29E-08	2.09E-07	3.22E-08	3.10E-08	4.80E-07
2439	495718.25	3859942.96	2.18E-03	2.22E-03	2.22E-03	7.53E-07	2.28E-06	1.32E-06	1.34E-06	1.22E-06	5.56E-07	5.55E-07	0.00E+00	0.00E+00	2.42E-07	4.56E-08	2.89E-07	4.46E-08	4.30E-08	6.65E-07
2440	495818.25	3859942.96	2.11E-03	2.15E-03	2.15E-03	7.29E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.38E-07	5.37E-07	0.00E+00	0.00E+00	2.34E-07	4.41E-08	2.80E-07	4.32E-08	4.16E-08	6.43E-07
2441	495918.25	3859942.96	2.05E-03	2.10E-03	2.09E-03	7.11E-07	2.15E-06	1.24E-06	1.27E-06	1.15E-06	5.25E-07	5.24E-07	0.00E+00	0.00E+00	2.29E-07	4.30E-08	2.73E-07	4.21E-08	4.06E-08	6.27E-07
2442	496018.25	3859942.96	2.04E-03	2.08E-03	2.08E-03	7.06E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.21E-07	5.20E-07	0.00E+00	0.00E+00	2.27E-07	4.27E-08	2.71E-07	4.18E-08	4.03E-08	6.23E-07
2443	496118.25	3859942.96	1.95E-03	1.99E-03	1.99E-03	6.74E-07	2.04E-06	1.18E-06	1.20E-06	1.09E-06	4.97E-07	4.97E-07	0.00E+00	0.00E+00	2.17E-07	4.08E-08	2.59E-07	3.99E-08	3.85E-08	5.95E-07
2444	496218.25	3859942.96	1.82E-03	1.86E-03	1.86E-03	6.30E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.65E-07	4.64E-07	0.00E+00	0.00E+00	2.03E-07	3.82E-08	2.42E-07	3.73E-08	3.60E-08	5.56E-07
2445	496318.25	3859942.96	1.70E-03	1.74E-03	1.74E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.53E-07	4.35E-07	4.34E-07	0.00E+00	0.00E+00	1.90E-07	3.57E-08	2.26E-07	3.49E-08	3.36E-08	5.20E-07
2446	496418.25	3859942.96	1.57E-03	1.60E-03	1.60E-03	5.42E-07	1.64E-06	9.48E-07	9.67E-07	8.77E-07	4.00E-07	4.00E-07	0.00E+00	0.00E+00	1.74E-07	3.28E-08	2.08E-07	3.21E-08	3.09E-08	4.79E-07
2447	496856.82	3858864.83	9.90E-04	1.01E-03	1.01E-03	3.43E-07	1.03E-06	5.99E-07	6.11E-07	5.54E-07	2.53E-07	2.53E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.32E-07	2.03E-08	1.96E-08	3.02E-07
2448	496956.82	3858864.83	9.72E-04	9.92E-04	9.91E-04	3.37E-07	1.02E-06	5.88E-07	6.00E-07	5.44E-07	2.48E-07	2.48E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.29E-07	1.99E-08	1.92E-08	2.97E-07
2449	497056.82	3858864.83	9.56E-04	9.75E-04	9.74E-04	3.31E-07	9.99E-07	5.78E-07	5.90E-07	5.35E-07	2.44E-07	2.44E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.89E-08	2.92E-07
2450	497156.82	3858864.83	9.36E-04	9.56E-04	9.54E-04	3.24E-07	9.79E-07	5.67E-07	5.78E-07	5.24E-07	2.39E-07	2.39E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.25E-07	1.92E-08	1.85E-08	2.86E-07
2451	497256.82	3858864.83	9.28E-04	9.47E-04	9.46E-04	3.21E-07	9.70E-07	5.61E-07	5.73E-07	5.19E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
2452	496856.82	3858964.83	1.05E-03	1.07E-03	1.07E-03	3.64E-07	1.10E-06	6.37E-07	6.49E-07	5.89E-07	2.69E-07	2.68E-07	0.00E+00	0.00E+00	1.17E-07	2.20E-08	1.40E-07	2.16E-08	2.08E-08	3.21E-07
2453	496956.82	3858964.83	1.03E-03	1.05E-03	1.05E-03	3.55E-07	1.07E-06	6.21E-07	6.33E-07	5.74E-07	2.62E-07	2.62E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.36E-07	2.10E-08	2.03E-08	3.13E-07
2454	497056.82	3858964.83	1.01E-03	1.03E-03	1.03E-03	3.48E-07	1.05E-06	6.09E-07	6.21E-07	5.63E-07	2.57E-07	2.57E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.06E-08	1.99E-08	3.07E-07
2455	497156.82	3858964.83	9.86E-04	1.01E-03	1.00E-03	3.41E-07	1.03E-06	5.96E-07	6.09E-07	5.52E-07	2.52E-07	2.51E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.31E-07	2.02E-08	1.95E-08	3.01E-07
2456	497256.82	3858964.83	9.88E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.98E-07	6.10E-07	5.53E-07	2.52E-07	2.52E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.31E-07	2.03E-08	1.95E-08	3.02E-07
2457	496856.82	3859064.83	1.10E-03	1.12E-03	1.12E-03	3.81E-07	1.15E-06	6.67E-07	6.80E-07	6.17E-07	2.81E-07	2.81E-07	0.00E+00	0.00E+00	1.23E-07	2.31E-08	1.47E-07	2.26E-08	2.18E-08	3.37E-07

2458	496956.82	3859064.83	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.13E-06	6.52E-07	6.66E-07	6.03E-07	2.75E-07	2.75E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.43E-07	2.21E-08	2.13E-08	3.29E-07
2459	497056.82	3859064.83	1.06E-03	1.08E-03	1.08E-03	3.66E-07	1.11E-06	6.40E-07	6.53E-07	5.92E-07	2.70E-07	2.70E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.17E-08	2.09E-08	3.23E-07
2460	497156.82	3859064.83	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.29E-07	6.42E-07	5.82E-07	2.65E-07	2.65E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.38E-07	2.13E-08	2.05E-08	3.18E-07
2461	497256.82	3859064.83	1.05E-03	1.07E-03	1.07E-03	3.63E-07	1.10E-06	6.35E-07	6.47E-07	5.87E-07	2.68E-07	2.68E-07	0.00E+00	0.00E+00	1.17E-07	2.20E-08	1.39E-07	2.15E-08	2.07E-08	3.20E-07
2462	496856.82	3859164.83	1.14E-03	1.16E-03	1.16E-03	3.95E-07	1.19E-06	6.91E-07	7.05E-07	6.39E-07	2.91E-07	2.91E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.52E-07	2.34E-08	2.25E-08	3.49E-07
2463	496956.82	3859164.83	1.11E-03	1.14E-03	1.14E-03	3.86E-07	1.16E-06	6.74E-07	6.88E-07	6.24E-07	2.85E-07	2.84E-07	0.00E+00	0.00E+00	1.24E-07	2.33E-08	1.48E-07	2.28E-08	2.20E-08	3.40E-07
2464	497056.82	3859164.83	1.10E-03	1.12E-03	1.12E-03	3.80E-07	1.15E-06	6.65E-07	6.78E-07	6.15E-07	2.81E-07	2.80E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.17E-08	3.36E-07
2465	497156.82	3859164.83	1.10E-03	1.12E-03	1.12E-03	3.80E-07	1.15E-06	6.64E-07	6.77E-07	6.14E-07	2.80E-07	2.80E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.17E-08	3.35E-07
2466	497256.82	3859164.83	1.11E-03	1.13E-03	1.13E-03	3.85E-07	1.16E-06	6.72E-07	6.86E-07	6.22E-07	2.84E-07	2.83E-07	0.00E+00	0.00E+00	1.24E-07	2.33E-08	1.48E-07	2.28E-08	2.19E-08	3.39E-07
2467	496856.82	3859264.83	1.17E-03	1.20E-03	1.19E-03	4.06E-07	1.22E-06	7.09E-07	7.24E-07	6.56E-07	2.99E-07	2.99E-07	0.00E+00	0.00E+00	1.30E-07	2.46E-08	1.56E-07	2.40E-08	2.31E-08	3.58E-07
2468	496956.82	3859264.83	1.16E-03	1.18E-03	1.18E-03	4.02E-07	1.21E-06	7.02E-07	7.16E-07	6.49E-07	2.96E-07	2.96E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.29E-08	3.54E-07
2469	497056.82	3859264.83	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.01E-07	7.15E-07	6.48E-07	2.96E-07	2.96E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.29E-08	3.54E-07
2470	497156.82	3859264.83	1.16E-03	1.18E-03	1.18E-03	4.00E-07	1.21E-06	6.99E-07	7.13E-07	6.47E-07	2.95E-07	2.95E-07	0.00E+00	0.00E+00	1.29E-07	2.42E-08	1.54E-07	2.37E-08	2.28E-08	3.53E-07
2471	497256.82	3859264.83	1.17E-03	1.19E-03	1.19E-03	4.04E-07	1.22E-06	7.05E-07	7.20E-07	6.52E-07	2.98E-07	2.97E-07	0.00E+00	0.00E+00	1.30E-07	2.44E-08	1.55E-07	2.39E-08	2.30E-08	3.56E-07
2472	497088.92	3858620.93	8.21E-04	8.37E-04	8.36E-04	2.84E-07	8.58E-07	4.97E-07	5.07E-07	4.59E-07	2.10E-07	2.09E-07	0.00E+00	0.00E+00	9.13E-08	1.72E-08	1.09E-07	1.68E-08	1.62E-08	2.51E-07
2473	497138.92	3858620.93	8.19E-04	8.36E-04	8.35E-04	2.83E-07	8.56E-07	4.95E-07	5.06E-07	4.58E-07	2.09E-07	2.09E-07	0.00E+00	0.00E+00	9.12E-08	1.72E-08	1.09E-07	1.68E-08	1.62E-08	2.50E-07
2474	497188.92	3858620.93	8.16E-04	8.32E-04	8.31E-04	2.82E-07	8.52E-07	4.94E-07	5.04E-07	4.57E-07	2.08E-07	2.08E-07	0.00E+00	0.00E+00	9.08E-08	1.71E-08	1.08E-07	1.67E-08	1.61E-08	2.49E-07
2475	497238.92	3858620.93	8.11E-04	8.28E-04	8.27E-04	2.81E-07	8.48E-07	4.91E-07	5.01E-07	4.54E-07	2.07E-07	2.07E-07	0.00E+00	0.00E+00	9.03E-08	1.70E-08	1.08E-07	1.66E-08	1.60E-08	2.48E-07
2476	497088.92	3858670.93	8.40E-04	8.57E-04	8.56E-04	2.91E-07	8.78E-07	5.08E-07	5.19E-07	4.70E-07	2.14E-07	2.14E-07	0.00E+00	0.00E+00	9.35E-08	1.76E-08	1.12E-07	1.72E-08	1.66E-08	2.57E-07
2477	497138.92	3858670.93	8.42E-04	8.59E-04	8.58E-04	2.91E-07	8.80E-07	5.09E-07	5.20E-07	4.71E-07	2.15E-07	2.15E-07	0.00E+00	0.00E+00	9.37E-08	1.76E-08	1.12E-07	1.73E-08	1.66E-08	2.57E-07
2478	497188.92	3858670.93	8.34E-04	8.52E-04	8.51E-04	2.89E-07	8.72E-07	5.05E-07	5.15E-07	4.67E-07	2.13E-07	2.13E-07	0.00E+00	0.00E+00	9.29E-08	1.75E-08	1.11E-07	1.71E-08	1.65E-08	2.55E-07
2479	497238.92	3858670.93	8.32E-04	8.49E-04	8.48E-04	2.88E-07	8.70E-07	5.03E-07	5.14E-07	4.66E-07	2.13E-07	2.12E-07	0.00E+00	0.00E+00	9.26E-08	1.74E-08	1.11E-07	1.71E-08	1.64E-08	2.54E-07
2480	497088.92	3858720.93	8.72E-04	8.89E-04	8.88E-04	3.02E-07	9.11E-07	5.27E-07	5.38E-07	4.88E-07	2.23E-07	2.22E-07	0.00E+00	0.00E+00	9.70E-08	1.83E-08	1.16E-07	1.79E-08	1.72E-08	2.66E-07
2481	497138.92	3858720.93	8.53E-04	8.70E-04	8.69E-04	2.95E-07	8.92E-07	5.16E-07	5.27E-07	4.77E-07	2.18E-07	2.18E-07	0.00E+00	0.00E+00	9.50E-08	1.79E-08	1.13E-07	1.75E-08	1.68E-08	2.61E-07
2482	497188.92	3858720.93	8.48E-04	8.65E-04	8.64E-04	2.94E-07	8.86E-07	5.13E-07	5.24E-07	4.75E-07	2.17E-07	2.16E-07	0.00E+00	0.00E+00	9.44E-08	1.78E-08	1.13E-07	1.74E-08	1.68E-08	2.59E-07
2483	497238.92	3858720.93	8.55E-04	8.73E-04	8.72E-04	2.96E-07	8.94E-07	5.18E-07	5.28E-07	4.79E-07	2.18E-07	2.18E-07	0.00E+00	0.00E+00	9.52E-08	1.79E-08	1.14E-07	1.75E-08	1.69E-08	2.61E-07
2484	497088.92	3858770.93	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.94E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
2485	497138.92	3858770.93	8.83E-04	9.01E-04	9.00E-04	3.06E-07	9.23E-07	5.35E-07	5.45E-07	4.94E-07	2.26E-07	2.25E-07	0.00E+00	0.00E+00	9.83E-08	1.85E-08	1.17E-07	1.81E-08	1.74E-08	2.70E-07
2486	497188.92	3858770.93	8.74E-04	8.92E-04	8.91E-04	3.03E-07	9.13E-07	5.29E-07	5.40E-07	4.89E-07	2.23E-07	2.23E-07	0.00E+00	0.00E+00	9.73E-08	1.83E-08	1.16E-07	1.79E-08	1.73E-08	2.67E-07
2487	497238.92	3858770.93	8.79E-04	8.97E-04	8.96E-04	3.04E-07	9.19E-07	5.32E-07	5.43E-07	4.92E-07	2.25E-07	2.24E-07	0.00E+00	0.00E+00	9.79E-08	1.84E-08	1.17E-07	1.80E-08	1.74E-08	2.69E-07
2488	497396.65	3858622.63	8.36E-04	8.53E-04	8.52E-04	2.89E-07	8.74E-07	5.06E-07	5.16E-07	4.68E-07	2.13E-07	2.13E-07	0.00E+00	0.00E+00	9.31E-08	1.75E-08	1.11E-07	1.71E-08	1.65E-08	2.55E-07
2489	497496.65	3858622.63	8.49E-04	8.67E-04	8.66E-04	2.94E-07	8.88E-07	5.14E-07	5.24E-07	4.75E-07	2.17E-07	2.17E-07	0.00E+00	0.00E+00	9.45E-08	1.78E-08	1.13E-07	1.74E-08	1.68E-08	2.59E-07
2490	497596.65	3858622.63	8.74E-04	8.92E-04	8.91E-04	3.03E-07	9.14E-07	5.29E-07	5.40E-07	4.89E-07	2.23E-07	2.23E-07	0.00E+00	0.00E+00	9.73E-08	1.83E-08	1.16E-07	1.79E-08	1.73E-08	2.67E-07
2491	497696.65	3858622.63	8.83E-04	9.01E-04	9.00E-04	3.06E-07	9.23E-07	5.35E-07	5.45E-07	4.94E-07	2.26E-07	2.25E-07	0.00E+00	0.00E+00	9.83E-08	1.85E-08	1.17E-07	1.81E-08	1.74E-08	2.70E-07
2492	497796.65	3858622.63	9.00E-04	9.19E-04	9.17E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.75E-07
2493	497896.65	3858622.63	9.18E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
2494	497396.65	3858722.63	8.85E-04	9.03E-04	9.02E-04	3.06E-07	9.25E-07	5.35E-07	5.46E-07	4.95E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.85E-08	1.85E-08	1.18E-07	1.81E-08	1.75E-08	2.70E-07
2495	497496.65	3858722.63	8.98E-04	9.16E-04	9.15E-04	3.11E-07	9.39E-07	5.43E-07	5.55E-07	5.03E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	1.00E-07	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
2496	497596.65	3858722.63	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.70E-07	5.17E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.89E-08	1.82E-08	2.82E-07
2497	497696.65	3858722.63	9.37E-04	9.56E-04	9.55E-04	3.24E-07	9.80E-07	5.67E-07	5.79E-07	5.25E-07	2.39E-07	2.39E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.25E-07	1.92E-08	1.85E-08	2.86E-07
2498	497796.65	3858722.63	9.44E-04	9.63E-04	9.62E-04	3.27E-07	9.86E-07	5.71E-07	5.83E-07	5.28E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.25E-07	1.93E-08	1.86E-08	2.88E-07
2499	497896.65	3858722.63	9.55E-04	9.75E-04	9.73E-04	3.31E-07	9.98E-07	5.78E-07	5.90E-07	5.35E-07	2.44E-07	2.44E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.89E-08	2.92E-07
2500	497396.65	3858822.63	9.28E-04	9.47E-04	9.46E-04	3.21E-07	9.70E-07	5.61E-07	5.73E-07	5.19E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
2501	497496.65	3858822.63	9.38E-04	9.57E-04	9.56E-04	3.25E-07	9.81E-07	5.68E-07	5.79E-07	5.25E-07	2.40E-07	2.39E-07	0.00E+00	0.00E+00	1.04E-07	1.97E-08	1.25E-07	1.92E-08	1.85E-08	2.87E-07
2502	497596.65	3858822.63	9.66E-04	9.85E-04	9.84E-04	3.34E-07	1.01E-06	5.84E-07	5.96E-07	5.40E-07	2.47E-07	2.46E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.98E-08	1.91E-08	2.95E-07
2503	497696.65	3858822.63	9.78E-04	9.98E-04	9.97E-04	3.39E-07	1.02E-06	5.92E-07	6.04E-07	5.47E-07	2.50E-07	2.49E-07	0.00E+00	0.00E+00	1.09E-07	2.05E-08	1.30E-07	2.01E-08	1.93E-08	2.99E-07
2504	497796.65	3858822.63	9.81E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.94E-07	6.06E-07	5.49E-07	2.51E-07	2.50E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.30E-07	2.01E-08	1.94E-08	3.00E-07
2505	497896.65	3858822.63	1.01E-03	1.03E-03	1.02E-03	3.48E-07	1.05E-06	6.08E-07	6.21E-07	5.63E-07	2.57E-07	2.56E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.06E-08	1.99E-08	3.07E-07
2506	497396.65	3858922.63	9.74E-04	9.94E-04	9.93E-04	3.37E-07	1.02E-06	5.89E-07	6.01E-07	5.45E-07	2.49E-07	2.48E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.30E-07	2.00E-08	1.92E-08	2.98E-07
2507	497496.65	3858922.63	9.99E-04	1.02E-03	1.02E-03	3.46E-07	1.04E-06	6.05E-07	6.17E-07	5.59E-07	2.55E-07	2.55E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.33E-07	2.05E-08	1.97E-08	3.05E-07
2508	497596.65	3858922.63	9.94E-04	1.01E-03	1.01E-03	3.44E-07	1.04E-06	6.02E-07	6.14E-07	5.56E-07	2.54E-07	2.54E-07	0.00E+00	0.00E+00	1.11E-07	2.08E-08	1.32E-07	2.04E-08	1.96E-08	3.04E-07
2509	497696.65	3858922.63	1.02E-03	1.04E-03	1.04E-03	3.54E-07	1.07E-06	6.19E-07	6.31E-07	5.72E-07	2.61E-07	2.61E-07	0.00E+00	0.00E+00	1.14E-07	2.14E-08	1.36E-07	2.10E-08	2.02E-08	3.12E-07
2510	497796.65	3858922.63	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.30E-07	6.43E-07	5.83E-07	2.66E-07	2.66E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.38E-07	2.14E-08	2.06E-08	3.18E-07
2511	497896.65	3858922.63	1.07E-03	1.09E-03	1.09E-03	3.70E-07	1.12E-06	6.46E-07	6.60E-07	5.98E-07	2.73E-07	2.72E-07	0.00E+00	0.00E+00	1.19E-07	2.24E-08	1.42E-07	2.19E-08	2.11E-08	3.26E-07
2512	497364.44	3858201.52	6.93E-04	7.07E-04	7.06E-04	2.40E-07	7.24E-07	4.19E-07	4.28E-07	3.88E-07	1.77E-07	1.77E-07	0.00E+00	0.00E+00	7.71E-08	1.45E-08	9.21E-08	1.42E-08	1.37E-08	2.12E-07
2513	497414.44	3858201.52	6.98E-04	7.13E-04	7.12E-04	2.42E-07	7.30E-07	4.23E-07	4.31E-07	3.91E-07	1.78E-07	1.78E-07	0.00E+00	0.00E+00	7.77E-08	1.46E-08	9.29E-08	1.43E-08	1.38E-08	2.13E-07

2514	497464.44	3858201.52	7.05E-04	7.19E-04	7.18E-04	2.44E-07	7.36E-07	4.26E-07	4.35E-07	3.94E-07	1.80E-07	1.80E-07	0.00E+00	0.00E+00	7.84E-08	1.48E-08	9.37E-08	1.44E-08	1.39E-08	2.15E-07
2515	497514.44	3858201.52	7.09E-04	7.24E-04	7.23E-04	2.46E-07	7.41E-07	4.29E-07	4.38E-07	3.97E-07	1.81E-07	1.81E-07	0.00E+00	0.00E+00	7.90E-08	1.49E-08	9.43E-08	1.45E-08	1.40E-08	2.17E-07
2516	497564.44	3858201.52	7.08E-04	7.22E-04	7.21E-04	2.45E-07	7.40E-07	4.28E-07	4.37E-07	3.96E-07	1.81E-07	1.81E-07	0.00E+00	0.00E+00	7.88E-08	1.48E-08	9.41E-08	1.45E-08	1.40E-08	2.16E-07
2517	497614.44	3858201.52	7.10E-04	7.24E-04	7.23E-04	2.46E-07	7.42E-07	4.29E-07	4.38E-07	3.97E-07	1.81E-07	1.81E-07	0.00E+00	0.00E+00	7.90E-08	1.49E-08	9.44E-08	1.46E-08	1.40E-08	2.17E-07
2518	497364.44	3858251.52	7.15E-04	7.29E-04	7.28E-04	2.47E-07	7.47E-07	4.32E-07	4.41E-07	4.00E-07	1.82E-07	1.82E-07	0.00E+00	0.00E+00	7.95E-08	1.50E-08	9.50E-08	1.47E-08	1.41E-08	2.18E-07
2519	497414.44	3858251.52	7.24E-04	7.39E-04	7.38E-04	2.51E-07	7.57E-07	4.38E-07	4.47E-07	4.05E-07	1.85E-07	1.85E-07	0.00E+00	0.00E+00	8.06E-08	1.52E-08	9.63E-08	1.48E-08	1.43E-08	2.21E-07
2520	497464.44	3858251.52	7.20E-04	7.34E-04	7.33E-04	2.49E-07	7.52E-07	4.35E-07	4.44E-07	4.03E-07	1.84E-07	1.84E-07	0.00E+00	0.00E+00	8.01E-08	1.51E-08	9.57E-08	1.48E-08	1.42E-08	2.20E-07
2521	497514.44	3858251.52	7.14E-04	7.29E-04	7.28E-04	2.47E-07	7.46E-07	4.32E-07	4.41E-07	4.00E-07	1.82E-07	1.82E-07	0.00E+00	0.00E+00	7.95E-08	1.50E-08	9.49E-08	1.46E-08	1.41E-08	2.18E-07
2522	497564.44	3858251.52	7.13E-04	7.27E-04	7.26E-04	2.47E-07	7.45E-07	4.31E-07	4.40E-07	3.99E-07	1.82E-07	1.82E-07	0.00E+00	0.00E+00	7.93E-08	1.49E-08	9.48E-08	1.46E-08	1.41E-08	2.18E-07
2523	497614.44	3858251.52	7.12E-04	7.26E-04	7.25E-04	2.46E-07	7.44E-07	4.31E-07	4.39E-07	3.98E-07	1.82E-07	1.82E-07	0.00E+00	0.00E+00	7.92E-08	1.49E-08	9.46E-08	1.46E-08	1.41E-08	2.17E-07
2524	497364.44	3858301.52	7.28E-04	7.43E-04	7.42E-04	2.52E-07	7.61E-07	4.41E-07	4.50E-07	4.08E-07	1.86E-07	1.86E-07	0.00E+00	0.00E+00	8.10E-08	1.53E-08	9.68E-08	1.49E-08	1.44E-08	2.22E-07
2525	497414.44	3858301.52	7.35E-04	7.50E-04	7.49E-04	2.54E-07	7.68E-07	4.44E-07	4.54E-07	4.11E-07	1.88E-07	1.87E-07	0.00E+00	0.00E+00	8.18E-08	1.54E-08	9.77E-08	1.51E-08	1.45E-08	2.24E-07
2526	497464.44	3858301.52	7.28E-04	7.43E-04	7.42E-04	2.52E-07	7.61E-07	4.41E-07	4.50E-07	4.08E-07	1.86E-07	1.86E-07	0.00E+00	0.00E+00	8.11E-08	1.53E-08	9.69E-08	1.49E-08	1.44E-08	2.23E-07
2527	497514.44	3858301.52	7.25E-04	7.39E-04	7.39E-04	2.51E-07	7.57E-07	4.38E-07	4.47E-07	4.06E-07	1.85E-07	1.85E-07	0.00E+00	0.00E+00	8.07E-08	1.52E-08	9.64E-08	1.49E-08	1.43E-08	2.21E-07
2528	497564.44	3858301.52	7.18E-04	7.33E-04	7.32E-04	2.49E-07	7.51E-07	4.35E-07	4.44E-07	4.02E-07	1.83E-07	1.83E-07	0.00E+00	0.00E+00	8.00E-08	1.51E-08	9.55E-08	1.47E-08	1.42E-08	2.19E-07
2529	497614.44	3858301.52	7.17E-04	7.31E-04	7.30E-04	2.48E-07	7.49E-07	4.34E-07	4.42E-07	4.01E-07	1.83E-07	1.83E-07	0.00E+00	0.00E+00	7.98E-08	1.50E-08	9.53E-08	1.47E-08	1.42E-08	2.19E-07
2530	497364.44	3858351.52	7.45E-04	7.60E-04	7.59E-04	2.58E-07	7.79E-07	4.51E-07	4.60E-07	4.17E-07	1.90E-07	1.90E-07	0.00E+00	0.00E+00	8.29E-08	1.56E-08	9.91E-08	1.53E-08	1.47E-08	2.28E-07
2531	497414.44	3858351.52	7.41E-04	7.56E-04	7.55E-04	2.57E-07	7.75E-07	4.48E-07	4.58E-07	4.15E-07	1.89E-07	1.89E-07	0.00E+00	0.00E+00	8.25E-08	1.55E-08	9.86E-08	1.52E-08	1.46E-08	2.26E-07
2532	497464.44	3858351.52	7.40E-04	7.55E-04	7.54E-04	2.56E-07	7.73E-07	4.48E-07	4.57E-07	4.14E-07	1.89E-07	1.89E-07	0.00E+00	0.00E+00	8.24E-08	1.55E-08	9.84E-08	1.52E-08	1.46E-08	2.26E-07
2533	497514.44	3858351.52	7.37E-04	7.52E-04	7.51E-04	2.55E-07	7.70E-07	4.46E-07	4.55E-07	4.12E-07	1.88E-07	1.88E-07	0.00E+00	0.00E+00	8.20E-08	1.54E-08	9.80E-08	1.51E-08	1.46E-08	2.25E-07
2534	497564.44	3858351.52	7.28E-04	7.43E-04	7.42E-04	2.52E-07	7.61E-07	4.41E-07	4.50E-07	4.08E-07	1.86E-07	1.86E-07	0.00E+00	0.00E+00	8.11E-08	1.53E-08	9.69E-08	1.49E-08	1.44E-08	2.23E-07
2535	497614.44	3858351.52	7.27E-04	7.42E-04	7.41E-04	2.52E-07	7.60E-07	4.40E-07	4.49E-07	4.07E-07	1.86E-07	1.85E-07	0.00E+00	0.00E+00	8.09E-08	1.52E-08	9.67E-08	1.49E-08	1.44E-08	2.22E-07
2536	497364.44	3858401.52	7.49E-04	7.65E-04	7.64E-04	2.59E-07	7.83E-07	4.53E-07	4.63E-07	4.19E-07	1.91E-07	1.91E-07	0.00E+00	0.00E+00	8.34E-08	1.57E-08	9.96E-08	1.54E-08	1.48E-08	2.29E-07
2537	497414.44	3858401.52	7.51E-04	7.66E-04	7.65E-04	2.60E-07	7.85E-07	4.54E-07	4.64E-07	4.20E-07	1.92E-07	1.92E-07	0.00E+00	0.00E+00	8.36E-08	1.57E-08	9.98E-08	1.54E-08	1.48E-08	2.29E-07
2538	497464.44	3858401.52	7.46E-04	7.62E-04	7.61E-04	2.58E-07	7.80E-07	4.52E-07	4.61E-07	4.18E-07	1.91E-07	1.90E-07	0.00E+00	0.00E+00	8.31E-08	1.56E-08	9.93E-08	1.53E-08	1.47E-08	2.28E-07
2539	497514.44	3858401.52	7.44E-04	7.59E-04	7.58E-04	2.58E-07	7.78E-07	4.50E-07	4.59E-07	4.16E-07	1.90E-07	1.90E-07	0.00E+00	0.00E+00	8.28E-08	1.56E-08	9.89E-08	1.53E-08	1.47E-08	2.27E-07
2540	497564.44	3858401.52	7.51E-04	7.66E-04	7.65E-04	2.60E-07	7.85E-07	4.54E-07	4.64E-07	4.20E-07	1.92E-07	1.92E-07	0.00E+00	0.00E+00	8.36E-08	1.57E-08	9.98E-08	1.54E-08	1.48E-08	2.29E-07
2541	497614.44	3858401.52	7.55E-04	7.71E-04	7.70E-04	2.61E-07	7.89E-07	4.57E-07	4.66E-07	4.23E-07	1.93E-07	1.93E-07	0.00E+00	0.00E+00	8.41E-08	1.58E-08	1.00E-07	1.55E-08	1.49E-08	2.31E-07
2542	493478.11	3860497.94	5.42E-03	5.53E-03	5.52E-03	1.88E-06	5.67E-06	3.28E-06	3.35E-06	3.03E-06	1.38E-06	1.38E-06	0.00E+00	0.00E+00	6.03E-07	1.14E-07	7.21E-07	1.11E-07	1.07E-07	1.66E-06
2543	493528.11	3860497.94	5.28E-03	5.38E-03	5.38E-03	1.83E-06	5.52E-06	3.19E-06	3.26E-06	2.95E-06	1.35E-06	1.35E-06	0.00E+00	0.00E+00	5.87E-07	1.11E-07	7.02E-07	1.08E-07	1.04E-07	1.61E-06
2544	493478.11	3860547.94	5.23E-03	5.34E-03	5.33E-03	1.81E-06	5.47E-06	3.16E-06	3.23E-06	2.93E-06	1.34E-06	1.33E-06	0.00E+00	0.00E+00	5.82E-07	1.10E-07	6.96E-07	1.07E-07	1.03E-07	1.60E-06
2545	493528.11	3860547.94	5.10E-03	5.20E-03	5.19E-03	1.76E-06	5.33E-06	3.08E-06	3.15E-06	2.85E-06	1.30E-06	1.30E-06	0.00E+00	0.00E+00	5.67E-07	1.07E-07	6.78E-07	1.04E-07	1.01E-07	1.56E-06
2546	493478.11	3860597.94	5.02E-03	5.12E-03	5.12E-03	1.74E-06	5.25E-06	3.04E-06	3.10E-06	2.81E-06	1.28E-06	1.28E-06	0.00E+00	0.00E+00	5.59E-07	1.05E-07	6.67E-07	1.03E-07	9.91E-08	1.53E-06
2547	493528.11	3860597.94	4.89E-03	4.99E-03	4.99E-03	1.69E-06	5.11E-06	2.96E-06	3.02E-06	2.74E-06	1.25E-06	1.25E-06	0.00E+00	0.00E+00	5.44E-07	1.03E-07	6.50E-07	1.00E-07	9.66E-08	1.49E-06
2548	493561.88	3860524.64	5.09E-03	5.20E-03	5.19E-03	1.76E-06	5.32E-06	3.08E-06	3.14E-06	2.85E-06	1.30E-06	1.30E-06	0.00E+00	0.00E+00	5.67E-07	1.07E-07	6.77E-07	1.04E-07	1.01E-07	1.56E-06
2549	493591.88	3860524.64	5.01E-03	5.11E-03	5.11E-03	1.74E-06	5.24E-06	3.03E-06	3.09E-06	2.81E-06	1.28E-06	1.28E-06	0.00E+00	0.00E+00	5.58E-07	1.05E-07	6.67E-07	1.03E-07	9.90E-08	1.53E-06
2550	493561.88	3860554.64	4.98E-03	5.08E-03	5.08E-03	1.72E-06	5.21E-06	3.01E-06	3.08E-06	2.79E-06	1.27E-06	1.27E-06	0.00E+00	0.00E+00	5.54E-07	1.04E-07	6.62E-07	1.02E-07	9.84E-08	1.52E-06
2551	493591.88	3860554.64	4.91E-03	5.01E-03	5.00E-03	1.70E-06	5.13E-06	2.97E-06	3.03E-06	2.75E-06	1.25E-06	1.25E-06	0.00E+00	0.00E+00	5.46E-07	1.03E-07	6.53E-07	1.01E-07	9.69E-08	1.50E-06
2552	492880.5	3860293.11	9.01E-03	9.19E-03	9.18E-03	3.12E-06	9.42E-06	5.45E-06	5.56E-06	5.04E-06	2.30E-06	2.30E-06	0.00E+00	0.00E+00	1.00E-06	1.89E-07	1.20E-06	1.85E-07	1.78E-07	2.75E-06
2553	492930.5	3860293.11	8.62E-03	8.80E-03	8.79E-03	2.98E-06	9.01E-06	5.22E-06	5.32E-06	4.82E-06	2.20E-06	2.20E-06	0.00E+00	0.00E+00	9.59E-07	1.81E-07	1.15E-06	1.77E-07	1.70E-07	2.63E-06
2554	492980.5	3860293.11	8.25E-03	8.42E-03	8.41E-03	2.86E-06	8.62E-06	4.99E-06	5.09E-06	4.62E-06	2.11E-06	2.10E-06	0.00E+00	0.00E+00	9.18E-07	1.73E-07	1.10E-06	1.69E-07	1.63E-07	2.52E-06
2555	493030.5	3860293.11	7.75E-03	7.91E-03	7.90E-03	2.68E-06	8.10E-06	4.69E-06	4.79E-06	4.34E-06	1.98E-06	1.98E-06	0.00E+00	0.00E+00	8.63E-07	1.63E-07	1.03E-06	1.59E-07	1.53E-07	2.37E-06
2556	493080.5	3860293.11	7.18E-03	7.33E-03	7.32E-03	2.49E-06	7.51E-06	4.34E-06	4.43E-06	4.02E-06	1.83E-06	1.83E-06	0.00E+00	0.00E+00	7.99E-07	1.50E-07	9.55E-07	1.47E-07	1.42E-07	2.19E-06
2557	493130.5	3860293.11	7.16E-03	7.31E-03	7.30E-03	2.48E-06	7.49E-06	4.33E-06	4.42E-06	4.01E-06	1.83E-06	1.83E-06	0.00E+00	0.00E+00	7.97E-07	1.50E-07	9.53E-07	1.47E-07	1.41E-07	2.19E-06
2558	493180.5	3860293.11	7.06E-03	7.20E-03	7.19E-03	2.44E-06	7.37E-06	4.27E-06	4.36E-06	3.95E-06	1.80E-06	1.80E-06	0.00E+00	0.00E+00	7.85E-07	1.48E-07	9.38E-07	1.45E-07	1.39E-07	2.16E-06
2559	493230.5	3860293.11	6.85E-03	6.99E-03	6.98E-03	2.37E-06	7.16E-06	4.15E-06	4.23E-06	3.83E-06	1.75E-06	1.75E-06	0.00E+00	0.00E+00	7.63E-07	1.44E-07	9.11E-07	1.40E-07	1.35E-07	2.09E-06
2560	493280.5	3860293.11	6.56E-03	6.69E-03	6.69E-03	2.27E-06	6.86E-06	3.97E-06	4.05E-06	3.67E-06	1.68E-06	1.67E-06	0.00E+00	0.00E+00	7.30E-07	1.37E-07	8.72E-07	1.35E-07	1.30E-07	2.00E-06
2561	493330.5	3860293.11	6.32E-03	6.45E-03	6.45E-03	2.19E-06	6.61E-06	3.83E-06	3.90E-06	3.54E-06	1.62E-06	1.61E-06	0.00E+00	0.00E+00	7.04E-07	1.33E-07	8.41E-07	1.30E-07	1.25E-07	1.93E-06
2562	493380.5	3860293.11	6.12E-03	6.25E-03	6.24E-03	2.12E-06	6.40E-06	3.70E-06	3.78E-06	3.43E-06	1.56E-06	1.56E-06	0.00E+00	0.00E+00	6.82E-07	1.28E-07	8.14E-07	1.26E-07	1.21E-07	1.87E-06
2563	492880.5	3860343.11	8.95E-03	9.13E-03	9.12E-03	3.10E-06	9.36E-06	5.42E-06	5.53E-06	5.01E-06	2.29E-06	2.28E-06	0.00E+00	0.00E+00	9.96E-07	1.88E-07	1.19E-06	1.84E-07	1.77E-07	2.73E-06
2564	492930.5	3860343.11	8.58E-03	8.75E-03	8.74E-03	2.97E-06	8.97E-06	5.19E-06	5.30E-06	4.80E-06	2.19E-06	2.19E-06	0.00E+00	0.00E+00	9.55E-07	1.80E-07	1.14E-06	1.76E-07	1.69E-07	2.62E-06
2565	492980.5	3860343.11	8.08E-03	8.24E-03	8.23E-03	2.80E-06	8.44E-06	4.89E-06	4.99E-06	4.52E-06	2.06E-06	2.06E-06	0.00E+00	0.00E+00	8.99E-07	1.69E-07	1.07E-06	1.66E-07	1.60E-07	2.47E-06
2566	493030.5	3860343.11	7.77E-03	7.93E-03	7.92E-03	2.69E-06	8.12E-06	4.70E-06	4.80E-06	4.35E-06	1.98E-06	1.98E-06	0.00E+00	0.00E+00	8.65E-07	1.63E-07	1.03E-06	1.59E-07	1.53E-07	2.37E-06
2567	493080.5	3860343.11	7.29E-03	7.44E-03	7.43E-03	2.52E-06	7.62E-06	4.41E-06	4.50E-06	4.08E-06	1.86E-06	1.86E-06	0.00E+00	0.00E+00	8.12E-07	1.53E-07	9.70E-07	1.50E-07	1.44E-07	2.23E-06
2568	493130.5	3860343.11	7.11E-03	7.25E-03	7.25E-03	2.46E-06	7.43E-06	4.30E-06	4.39E-06	3.98E-06	1.82E-06	1.81E-06	0.00E+00	0.00E+00	7.91E-07	1.49E-07	9.45E-07	1.46E-07	1.40E-07	2.17E-06
2569	493180.5	3860343.11	7.00E-03	7.14E-03	7.13E-03	2.42E-06	7.31E-06	4.23E-06	4.32E-06	3.92E-06	1.79E-06	1.78E-06	0.00E+00	0.00E+00	7.79E-07	1.47E-07	9.30E-07	1.43E-07	1.38E-07	2.14E-06

2570	493230.5	3860343.11	6.78E-03	6.92E-03	6.91E-03	2.35E-06	7.09E-06	4.10E-06	4.19E-06	3.80E-06	1.73E-06	1.73E-06	0.00E+00	0.00E+00	7.55E-07	1.42E-07	9.02E-07	1.39E-07	1.34E-07	2.07E-06
2571	493280.5	3860343.11	6.51E-03	6.64E-03	6.63E-03	2.25E-06	6.80E-06	3.94E-06	4.02E-06	3.64E-06	1.66E-06	1.66E-06	0.00E+00	0.00E+00	7.24E-07	1.36E-07	8.65E-07	1.33E-07	1.29E-07	1.99E-06
2572	493330.5	3860343.11	6.26E-03	6.39E-03	6.38E-03	2.17E-06	6.55E-06	3.79E-06	3.87E-06	3.51E-06	1.60E-06	1.60E-06	0.00E+00	0.00E+00	6.97E-07	1.31E-07	8.33E-07	1.28E-07	1.24E-07	1.91E-06
2573	493380.5	3860343.11	6.07E-03	6.20E-03	6.19E-03	2.10E-06	6.35E-06	3.67E-06	3.75E-06	3.40E-06	1.55E-06	1.55E-06	0.00E+00	0.00E+00	6.76E-07	1.27E-07	8.08E-07	1.25E-07	1.20E-07	1.86E-06
2574	492880.5	3860393.11	8.78E-03	8.96E-03	8.95E-03	3.04E-06	9.18E-06	5.31E-06	5.42E-06	4.92E-06	2.24E-06	2.24E-06	0.00E+00	0.00E+00	9.78E-07	1.84E-07	1.17E-06	1.80E-07	1.73E-07	2.68E-06
2575	492930.5	3860393.11	8.41E-03	8.59E-03	8.58E-03	2.91E-06	8.79E-06	5.09E-06	5.19E-06	4.71E-06	2.15E-06	2.15E-06	0.00E+00	0.00E+00	9.37E-07	1.76E-07	1.12E-06	1.73E-07	1.66E-07	2.57E-06
2576	492980.5	3860393.11	8.03E-03	8.19E-03	8.18E-03	2.78E-06	8.39E-06	4.86E-06	4.96E-06	4.49E-06	2.05E-06	2.05E-06	0.00E+00	0.00E+00	8.94E-07	1.68E-07	1.07E-06	1.65E-07	1.59E-07	2.45E-06
2577	493030.5	3860393.11	7.67E-03	7.83E-03	7.82E-03	2.66E-06	8.02E-06	4.64E-06	4.74E-06	4.30E-06	1.96E-06	1.96E-06	0.00E+00	0.00E+00	8.54E-07	1.61E-07	1.02E-06	1.57E-07	1.52E-07	2.34E-06
2578	493080.5	3860393.11	7.23E-03	7.38E-03	7.37E-03	2.50E-06	7.56E-06	4.38E-06	4.47E-06	4.05E-06	1.85E-06	1.85E-06	0.00E+00	0.00E+00	8.05E-07	1.52E-07	9.62E-07	1.48E-07	1.43E-07	2.21E-06
2579	493130.5	3860393.11	7.06E-03	7.20E-03	7.19E-03	2.44E-06	7.38E-06	4.27E-06	4.36E-06	3.95E-06	1.80E-06	1.80E-06	0.00E+00	0.00E+00	7.86E-07	1.48E-07	9.39E-07	1.45E-07	1.39E-07	2.16E-06
2580	493180.5	3860393.11	6.91E-03	7.05E-03	7.04E-03	2.39E-06	7.22E-06	4.18E-06	4.26E-06	3.87E-06	1.76E-06	1.76E-06	0.00E+00	0.00E+00	7.69E-07	1.45E-07	9.19E-07	1.42E-07	1.36E-07	2.11E-06
2581	493230.5	3860393.11	6.67E-03	6.81E-03	6.80E-03	2.31E-06	6.97E-06	4.04E-06	4.12E-06	3.73E-06	1.70E-06	1.70E-06	0.00E+00	0.00E+00	7.43E-07	1.40E-07	8.87E-07	1.37E-07	1.32E-07	2.04E-06
2582	493280.5	3860393.11	6.40E-03	6.53E-03	6.52E-03	2.22E-06	6.69E-06	3.87E-06	3.95E-06	3.58E-06	1.63E-06	1.63E-06	0.00E+00	0.00E+00	7.12E-07	1.34E-07	8.51E-07	1.31E-07	1.26E-07	1.96E-06
2583	493330.5	3860393.11	6.17E-03	6.30E-03	6.29E-03	2.14E-06	6.45E-06	3.73E-06	3.81E-06	3.45E-06	1.58E-06	1.57E-06	0.00E+00	0.00E+00	6.87E-07	1.29E-07	8.20E-07	1.27E-07	1.22E-07	1.88E-06
2584	493380.5	3860393.11	5.98E-03	6.10E-03	6.09E-03	2.07E-06	6.25E-06	3.62E-06	3.69E-06	3.35E-06	1.53E-06	1.52E-06	0.00E+00	0.00E+00	6.65E-07	1.25E-07	7.95E-07	1.23E-07	1.18E-07	1.83E-06
2585	492880.5	3860443.11	8.50E-03	8.67E-03	8.66E-03	2.94E-06	8.88E-06	5.14E-06	5.25E-06	4.76E-06	2.17E-06	2.17E-06	0.00E+00	0.00E+00	9.46E-07	1.78E-07	1.13E-06	1.74E-07	1.68E-07	2.60E-06
2586	492930.5	3860443.11	8.15E-03	8.32E-03	8.31E-03	2.82E-06	8.52E-06	4.93E-06	5.03E-06	4.56E-06	2.08E-06	2.08E-06	0.00E+00	0.00E+00	9.08E-07	1.71E-07	1.08E-06	1.67E-07	1.61E-07	2.49E-06
2587	492980.5	3860443.11	7.83E-03	7.99E-03	7.98E-03	2.71E-06	8.18E-06	4.74E-06	4.84E-06	4.38E-06	2.00E-06	2.00E-06	0.00E+00	0.00E+00	8.72E-07	1.64E-07	1.04E-06	1.61E-07	1.55E-07	2.39E-06
2588	493030.5	3860443.11	7.51E-03	7.66E-03	7.65E-03	2.60E-06	7.85E-06	4.54E-06	4.64E-06	4.20E-06	1.92E-06	1.92E-06	0.00E+00	0.00E+00	8.36E-07	1.57E-07	9.99E-07	1.54E-07	1.48E-07	2.29E-06
2589	493080.5	3860443.11	7.23E-03	7.37E-03	7.36E-03	2.50E-06	7.55E-06	4.37E-06	4.46E-06	4.04E-06	1.85E-06	1.84E-06	0.00E+00	0.00E+00	8.04E-07	1.51E-07	9.61E-07	1.48E-07	1.43E-07	2.21E-06
2590	493130.5	3860443.11	6.96E-03	7.10E-03	7.10E-03	2.41E-06	7.28E-06	4.21E-06	4.30E-06	3.90E-06	1.78E-06	1.78E-06	0.00E+00	0.00E+00	7.75E-07	1.46E-07	9.26E-07	1.43E-07	1.38E-07	2.13E-06
2591	493180.5	3860443.11	6.76E-03	6.90E-03	6.89E-03	2.34E-06	7.07E-06	4.09E-06	4.17E-06	3.78E-06	1.73E-06	1.72E-06	0.00E+00	0.00E+00	7.53E-07	1.42E-07	8.99E-07	1.39E-07	1.34E-07	2.07E-06
2592	493230.5	3860443.11	6.50E-03	6.63E-03	6.62E-03	2.25E-06	6.79E-06	3.93E-06	4.01E-06	3.64E-06	1.66E-06	1.66E-06	0.00E+00	0.00E+00	7.24E-07	1.36E-07	8.64E-07	1.33E-07	1.28E-07	1.99E-06
2593	493280.5	3860443.11	6.27E-03	6.40E-03	6.39E-03	2.17E-06	6.55E-06	3.79E-06	3.87E-06	3.51E-06	1.60E-06	1.60E-06	0.00E+00	0.00E+00	6.98E-07	1.31E-07	8.34E-07	1.29E-07	1.24E-07	1.92E-06
2594	493330.5	3860443.11	6.03E-03	6.15E-03	6.14E-03	2.09E-06	6.30E-06	3.65E-06	3.72E-06	3.37E-06	1.54E-06	1.54E-06	0.00E+00	0.00E+00	6.71E-07	1.26E-07	8.01E-07	1.24E-07	1.19E-07	1.84E-06
2595	493380.5	3860443.11	5.86E-03	5.98E-03	5.97E-03	2.03E-06	6.13E-06	3.55E-06	3.62E-06	3.28E-06	1.50E-06	1.49E-06	0.00E+00	0.00E+00	6.52E-07	1.23E-07	7.79E-07	1.20E-07	1.16E-07	1.79E-06
2596	493180.5	3860493.11	6.52E-03	6.65E-03	6.65E-03	2.26E-06	6.82E-06	3.95E-06	4.03E-06	3.65E-06	1.67E-06	1.66E-06	0.00E+00	0.00E+00	7.26E-07	1.37E-07	8.67E-07	1.34E-07	1.29E-07	1.99E-06
2597	493230.5	3860493.11	6.30E-03	6.43E-03	6.42E-03	2.18E-06	6.58E-06	3.81E-06	3.89E-06	3.52E-06	1.61E-06	1.61E-06	0.00E+00	0.00E+00	7.01E-07	1.32E-07	8.38E-07	1.29E-07	1.24E-07	1.92E-06
2598	493280.5	3860493.11	6.08E-03	6.21E-03	6.20E-03	2.11E-06	6.36E-06	3.68E-06	3.76E-06	3.40E-06	1.55E-06	1.55E-06	0.00E+00	0.00E+00	6.77E-07	1.27E-07	8.09E-07	1.25E-07	1.20E-07	1.86E-06
2599	493330.5	3860493.11	5.88E-03	6.00E-03	6.00E-03	2.04E-06	6.15E-06	3.56E-06	3.63E-06	3.29E-06	1.50E-06	1.50E-06	0.00E+00	0.00E+00	6.55E-07	1.23E-07	7.82E-07	1.21E-07	1.16E-07	1.80E-06
2600	493380.5	3860493.11	5.72E-03	5.84E-03	5.83E-03	1.98E-06	5.98E-06	3.46E-06	3.53E-06	3.20E-06	1.46E-06	1.46E-06	0.00E+00	0.00E+00	6.37E-07	1.20E-07	7.61E-07	1.17E-07	1.13E-07	1.75E-06
2601	493330.5	3860543.11	5.68E-03	5.80E-03	5.79E-03	1.97E-06	5.94E-06	3.44E-06	3.51E-06	3.18E-06	1.45E-06	1.45E-06	0.00E+00	0.00E+00	6.32E-07	1.19E-07	7.55E-07	1.16E-07	1.12E-07	1.74E-06
2602	493380.5	3860543.11	5.53E-03	5.64E-03	5.63E-03	1.91E-06	5.78E-06	3.34E-06	3.41E-06	3.09E-06	1.41E-06	1.41E-06	0.00E+00	0.00E+00	6.15E-07	1.16E-07	7.35E-07	1.13E-07	1.09E-07	1.69E-06
2603	494135.94	3860876.85	3.04E-03	3.10E-03	3.09E-03	1.05E-06	3.17E-06	1.84E-06	1.87E-06	1.70E-06	7.75E-07	7.74E-07	0.00E+00	0.00E+00	3.38E-07	6.36E-08	4.04E-07	6.23E-08	6.00E-08	9.27E-07
2604	494185.94	3860876.85	2.99E-03	3.05E-03	3.05E-03	1.04E-06	3.13E-06	1.81E-06	1.85E-06	1.67E-06	7.64E-07	7.63E-07	0.00E+00	0.00E+00	3.33E-07	6.27E-08	3.98E-07	6.13E-08	5.91E-08	9.14E-07
2605	494135.94	3860926.85	2.90E-03	2.96E-03	2.96E-03	1.00E-06	3.03E-06	1.76E-06	1.79E-06	1.62E-06	7.41E-07	7.41E-07	0.00E+00	0.00E+00	3.23E-07	6.08E-08	3.86E-07	5.95E-08	5.73E-08	8.87E-07
2606	494185.94	3860926.85	2.86E-03	2.92E-03	2.92E-03	9.92E-07	2.99E-06	1.73E-06	1.77E-06	1.60E-06	7.32E-07	7.31E-07	0.00E+00	0.00E+00	3.19E-07	6.00E-08	3.81E-07	5.87E-08	5.66E-08	8.75E-07
2607	494135.94	3860976.85	2.77E-03	2.83E-03	2.83E-03	9.60E-07	2.90E-06	1.68E-06	1.71E-06	1.55E-06	7.08E-07	7.07E-07	0.00E+00	0.00E+00	3.09E-07	5.81E-08	3.69E-07	5.69E-08	5.48E-08	8.47E-07
2608	494185.94	3860976.85	2.74E-03	2.80E-03	2.79E-03	9.48E-07	2.86E-06	1.66E-06	1.69E-06	1.53E-06	7.00E-07	6.99E-07	0.00E+00	0.00E+00	3.05E-07	5.74E-08	3.64E-07	5.62E-08	5.41E-08	8.37E-07
2609	494135.94	3861026.85	2.64E-03	2.70E-03	2.70E-03	9.15E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.75E-07	6.75E-07	0.00E+00	0.00E+00	2.94E-07	5.54E-08	3.52E-07	5.42E-08	5.22E-08	8.08E-07
2610	494185.94	3861026.85	2.62E-03	2.67E-03	2.67E-03	9.05E-07	2.73E-06	1.58E-06	1.62E-06	1.46E-06	6.68E-07	6.67E-07	0.00E+00	0.00E+00	2.91E-07	5.48E-08	3.48E-07	5.36E-08	5.17E-08	7.99E-07
2611	494135.94	3861076.85	2.52E-03	2.57E-03	2.57E-03	8.73E-07	2.63E-06	1.53E-06	1.56E-06	1.41E-06	6.44E-07	6.43E-07	0.00E+00	0.00E+00	2.81E-07	5.28E-08	3.35E-07	5.17E-08	4.98E-08	7.70E-07
2612	494185.94	3861076.85	2.49E-03	2.55E-03	2.54E-03	8.64E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.37E-07	6.36E-07	0.00E+00	0.00E+00	2.78E-07	5.23E-08	3.32E-07	5.12E-08	4.93E-08	7.62E-07
2613	490360.04	3858710.04	4.73E-03	4.83E-03	4.82E-03	1.64E-06	4.95E-06	2.86E-06	2.92E-06	2.65E-06	1.21E-06	1.21E-06	0.00E+00	0.00E+00	5.27E-07	9.92E-08	6.29E-07	9.70E-08	9.35E-08	1.45E-06
2614	490410.04	3858710.04	4.62E-03	4.71E-03	4.71E-03	1.60E-06	4.83E-06	2.79E-06	2.85E-06	2.58E-06	1.18E-06	1.18E-06	0.00E+00	0.00E+00	5.14E-07	9.68E-08	6.14E-07	9.47E-08	9.12E-08	1.41E-06
2615	490460.04	3858710.04	4.45E-03	4.55E-03	4.54E-03	1.54E-06	4.66E-06	2.70E-06	2.75E-06	2.49E-06	1.14E-06	1.14E-06	0.00E+00	0.00E+00	4.96E-07	9.33E-08	5.92E-07	9.13E-08	8.80E-08	1.36E-06
2616	490510.04	3858710.04	4.35E-03	4.43E-03	4.43E-03	1.50E-06	4.54E-06	2.63E-06	2.68E-06	2.43E-06	1.11E-06	1.11E-06	0.00E+00	0.00E+00	4.84E-07	9.11E-08	5.78E-07	8.91E-08	8.58E-08	1.33E-06
2617	490560.04	3858710.04	4.26E-03	4.34E-03	4.34E-03	1.47E-06	4.45E-06	2.58E-06	2.63E-06	2.38E-06	1.09E-06	1.09E-06	0.00E+00	0.00E+00	4.74E-07	8.92E-08	5.66E-07	8.73E-08	8.41E-08	1.30E-06
2618	490610.04	3858710.04	4.16E-03	4.25E-03	4.24E-03	1.44E-06	4.35E-06	2.52E-06	2.57E-06	2.33E-06	1.06E-06	1.06E-06	0.00E+00	0.00E+00	4.63E-07	8.72E-08	5.53E-07	8.53E-08	8.22E-08	1.27E-06
2619	490660.04	3858710.04	4.12E-03	4.20E-03	4.19E-03	1.42E-06	4.30E-06	2.49E-06	2.54E-06	2.30E-06	1.05E-06	1.05E-06	0.00E+00	0.00E+00	4.58E-07	8.63E-08	5.47E-07	8.44E-08	8.13E-08	1.26E-06
2620	490710.04	3858710.04	3.99E-03	4.08E-03	4.07E-03	1.38E-06	4.18E-06	2.42E-06	2.47E-06	2.24E-06	1.02E-06	1.02E-06	0.00E+00	0.00E+00	4.45E-07	8.37E-08	5.31E-07	8.19E-08	7.89E-08	1.22E-06
2621	490760.04	3858710.04	3.89E-03	3.97E-03	3.97E-03	1.35E-06	4.07E-06	2.36E-06	2.40E-06	2.18E-06	9.95E-07	9.94E-07	0.00E+00	0.00E+00	4.34E-07	8.16E-08	5.18E-07	7.99E-08	7.69E-08	1.19E-06
2622	490810.04	3858710.04	3.80E-03	3.87E-03	3.87E-03	1.31E-06	3.97E-06	2.30E-06	2.34E-06	2.12E-06	9.70E-07	9.68E-07	0.00E+00	0.00E+00	4.23E-07	7.96E-08	5.05E-07	7.79E-08	7.50E-08	1.16E-06
2623	490860.04	3858710.04	3.67E-03	3.75E-03	3.74E-03	1.27E-06	3.84E-06	2.22E-06	2.27E-06	2.05E-06	9.38E-07	9.37E-07	0.00E+00	0.00E+00	4.09E-07	7.69E-08	4.88E-07	7.53E-08	7.25E-08	1.12E-06
2624	490360.04	3858760.04	5.33E-03	5.44E-03	5.43E-03	1.84E-06	5.57E-06	3.22E-06	3.29E-06	2.98E-06	1.36E-06	1.36E-06	0.00E+00	0.00E+00	5.93E-07	1.12E-07	7.08E-07	1.09E-07	1.05E-07	1.63E-06
2625	490410.04	3858760.04	5.17E-03	5.27E-03	5.27E-03	1.79E-06	5.40E-06	3.13E-06	3.19E-06	2.89E-06	1.32E-06	1.32E-06	0.00E+00	0.00E+00	5.75E-07	1.08E-07	6.87E-07	1.06E-07	1.02E-07	1.58E-06

2626	490460.04	3858760.04	4.99E-03	5.09E-03	5.09E-03	1.73E-06	5.22E-06	3.02E-06	3.08E-06	2.79E-06	1.27E-06	1.27E-06	0.00E+00	0.00E+00	5.56E-07	1.05E-07	6.64E-07	1.02E-07	9.86E-08	1.53E-06
2627	490510.04	3858760.04	4.82E-03	4.91E-03	4.91E-03	1.67E-06	5.03E-06	2.91E-06	2.97E-06	2.69E-06	1.23E-06	1.23E-06	0.00E+00	0.00E+00	5.36E-07	1.01E-07	6.40E-07	9.87E-08	9.51E-08	1.47E-06
2628	490560.04	3858760.04	4.68E-03	4.78E-03	4.77E-03	1.62E-06	4.89E-06	2.83E-06	2.89E-06	2.62E-06	1.20E-06	1.19E-06	0.00E+00	0.00E+00	5.21E-07	9.81E-08	6.22E-07	9.60E-08	9.25E-08	1.43E-06
2629	490610.04	3858760.04	4.54E-03	4.63E-03	4.63E-03	1.57E-06	4.74E-06	2.75E-06	2.80E-06	2.54E-06	1.16E-06	1.16E-06	0.00E+00	0.00E+00	5.05E-07	9.51E-08	6.04E-07	9.31E-08	8.97E-08	1.39E-06
2630	490660.04	3858760.04	4.42E-03	4.51E-03	4.50E-03	1.53E-06	4.62E-06	2.67E-06	2.73E-06	2.47E-06	1.13E-06	1.13E-06	0.00E+00	0.00E+00	4.92E-07	9.26E-08	5.88E-07	9.06E-08	8.73E-08	1.35E-06
2631	490710.04	3858760.04	4.30E-03	4.39E-03	4.38E-03	1.49E-06	4.49E-06	2.60E-06	2.65E-06	2.41E-06	1.10E-06	1.10E-06	0.00E+00	0.00E+00	4.78E-07	9.01E-08	5.72E-07	8.82E-08	8.49E-08	1.31E-06
2632	490760.04	3858760.04	4.16E-03	4.24E-03	4.24E-03	1.44E-06	4.35E-06	2.52E-06	2.57E-06	2.33E-06	1.06E-06	1.06E-06	0.00E+00	0.00E+00	4.63E-07	8.71E-08	5.53E-07	8.53E-08	8.21E-08	1.27E-06
2633	490810.04	3858760.04	4.03E-03	4.11E-03	4.11E-03	1.40E-06	4.21E-06	2.44E-06	2.49E-06	2.26E-06	1.03E-06	1.03E-06	0.00E+00	0.00E+00	4.49E-07	8.45E-08	5.36E-07	8.27E-08	7.96E-08	1.23E-06
2634	490860.04	3858760.04	3.93E-03	4.01E-03	4.00E-03	1.36E-06	4.10E-06	2.38E-06	2.42E-06	2.20E-06	1.00E-06	1.00E-06	0.00E+00	0.00E+00	4.37E-07	8.23E-08	5.22E-07	8.05E-08	7.76E-08	1.20E-06
2635	490360.04	3858810.04	5.95E-03	6.07E-03	6.06E-03	2.06E-06	6.21E-06	3.60E-06	3.67E-06	3.33E-06	1.52E-06	1.52E-06	0.00E+00	0.00E+00	6.62E-07	1.25E-07	7.91E-07	1.22E-07	1.17E-07	1.82E-06
2636	490410.04	3858810.04	5.73E-03	5.85E-03	5.84E-03	1.98E-06	5.99E-06	3.47E-06	3.54E-06	3.21E-06	1.46E-06	1.46E-06	0.00E+00	0.00E+00	6.38E-07	1.20E-07	7.62E-07	1.18E-07	1.13E-07	1.75E-06
2637	490460.04	3858810.04	5.52E-03	5.63E-03	5.62E-03	1.91E-06	5.77E-06	3.34E-06	3.41E-06	3.09E-06	1.41E-06	1.41E-06	0.00E+00	0.00E+00	6.14E-07	1.16E-07	7.34E-07	1.13E-07	1.09E-07	1.69E-06
2638	490510.04	3858810.04	5.36E-03	5.47E-03	5.46E-03	1.85E-06	5.60E-06	3.24E-06	3.31E-06	3.00E-06	1.37E-06	1.37E-06	0.00E+00	0.00E+00	5.96E-07	1.12E-07	7.12E-07	1.10E-07	1.06E-07	1.64E-06
2639	490560.04	3858810.04	5.19E-03	5.29E-03	5.29E-03	1.80E-06	5.42E-06	3.14E-06	3.20E-06	2.90E-06	1.32E-06	1.32E-06	0.00E+00	0.00E+00	5.77E-07	1.09E-07	6.90E-07	1.06E-07	1.02E-07	1.58E-06
2640	490610.04	3858810.04	4.98E-03	5.08E-03	5.07E-03	1.72E-06	5.20E-06	3.01E-06	3.07E-06	2.79E-06	1.27E-06	1.27E-06	0.00E+00	0.00E+00	5.54E-07	1.04E-07	6.62E-07	1.02E-07	9.83E-08	1.52E-06
2641	490660.04	3858810.04	4.81E-03	4.91E-03	4.90E-03	1.67E-06	5.03E-06	2.91E-06	2.97E-06	2.69E-06	1.23E-06	1.23E-06	0.00E+00	0.00E+00	5.36E-07	1.01E-07	6.40E-07	9.87E-08	9.50E-08	1.47E-06
2642	490710.04	3858810.04	4.64E-03	4.73E-03	4.73E-03	1.61E-06	4.85E-06	2.81E-06	2.86E-06	2.60E-06	1.18E-06	1.18E-06	0.00E+00	0.00E+00	5.16E-07	9.72E-08	6.17E-07	9.51E-08	9.16E-08	1.42E-06
2643	490760.04	3858810.04	4.43E-03	4.52E-03	4.52E-03	1.53E-06	4.63E-06	2.68E-06	2.74E-06	2.48E-06	1.13E-06	1.13E-06	0.00E+00	0.00E+00	4.93E-07	9.28E-08	5.89E-07	9.09E-08	8.75E-08	1.35E-06
2644	490810.04	3858810.04	4.34E-03	4.43E-03	4.43E-03	1.50E-06	4.54E-06	2.63E-06	2.68E-06	2.43E-06	1.11E-06	1.11E-06	0.00E+00	0.00E+00	4.83E-07	9.10E-08	5.77E-07	8.90E-08	8.58E-08	1.33E-06
2645	490860.04	3858810.04	4.19E-03	4.27E-03	4.27E-03	1.45E-06	4.38E-06	2.53E-06	2.58E-06	2.34E-06	1.07E-06	1.07E-06	0.00E+00	0.00E+00	4.66E-07	8.77E-08	5.57E-07	8.58E-08	8.27E-08	1.28E-06
2646	490360.04	3858860.04	6.56E-03	6.70E-03	6.69E-03	2.27E-06	6.86E-06	3.97E-06	4.05E-06	3.67E-06	1.68E-06	1.67E-06	0.00E+00	0.00E+00	7.31E-07	1.38E-07	8.73E-07	1.35E-07	1.30E-07	2.01E-06
2647	490410.04	3858860.04	6.39E-03	6.52E-03	6.51E-03	2.21E-06	6.67E-06	3.86E-06	3.94E-06	3.57E-06	1.63E-06	1.63E-06	0.00E+00	0.00E+00	7.11E-07	1.34E-07	8.49E-07	1.31E-07	1.26E-07	1.95E-06
2648	490460.04	3858860.04	6.10E-03	6.22E-03	6.22E-03	2.11E-06	6.37E-06	3.69E-06	3.77E-06	3.41E-06	1.56E-06	1.56E-06	0.00E+00	0.00E+00	6.79E-07	1.28E-07	8.11E-07	1.25E-07	1.20E-07	1.86E-06
2649	490510.04	3858860.04	5.95E-03	6.07E-03	6.06E-03	2.06E-06	6.22E-06	3.60E-06	3.67E-06	3.33E-06	1.52E-06	1.52E-06	0.00E+00	0.00E+00	6.62E-07	1.25E-07	7.91E-07	1.22E-07	1.17E-07	1.82E-06
2650	490560.04	3858860.04	5.70E-03	5.82E-03	5.81E-03	1.97E-06	5.96E-06	3.45E-06	3.52E-06	3.19E-06	1.46E-06	1.46E-06	0.00E+00	0.00E+00	6.35E-07	1.20E-07	7.59E-07	1.17E-07	1.13E-07	1.74E-06
2651	490610.04	3858860.04	5.41E-03	5.52E-03	5.51E-03	1.87E-06	5.65E-06	3.27E-06	3.34E-06	3.03E-06	1.38E-06	1.38E-06	0.00E+00	0.00E+00	6.02E-07	1.13E-07	7.19E-07	1.11E-07	1.07E-07	1.65E-06
2652	490660.04	3858860.04	5.21E-03	5.32E-03	5.31E-03	1.80E-06	5.45E-06	3.15E-06	3.22E-06	2.92E-06	1.33E-06	1.33E-06	0.00E+00	0.00E+00	5.80E-07	1.09E-07	6.93E-07	1.07E-07	1.03E-07	1.59E-06
2653	490710.04	3858860.04	5.07E-03	5.17E-03	5.17E-03	1.75E-06	5.30E-06	3.07E-06	3.13E-06	2.84E-06	1.29E-06	1.29E-06	0.00E+00	0.00E+00	5.64E-07	1.06E-07	6.74E-07	1.04E-07	1.00E-07	1.55E-06
2654	490760.04	3858860.04	4.83E-03	4.93E-03	4.93E-03	1.67E-06	5.05E-06	2.92E-06	2.98E-06	2.70E-06	1.23E-06	1.23E-06	0.00E+00	0.00E+00	5.38E-07	1.01E-07	6.43E-07	9.91E-08	9.54E-08	1.48E-06
2655	490810.04	3858860.04	4.63E-03	4.72E-03	4.71E-03	1.60E-06	4.83E-06	2.80E-06	2.86E-06	2.59E-06	1.18E-06	1.18E-06	0.00E+00	0.00E+00	5.15E-07	9.69E-08	6.15E-07	9.49E-08	9.14E-08	1.41E-06
2656	490860.04	3858860.04	4.42E-03	4.52E-03	4.51E-03	1.53E-06	4.62E-06	2.68E-06	2.73E-06	2.48E-06	1.13E-06	1.13E-06	0.00E+00	0.00E+00	4.93E-07	9.27E-08	5.88E-07	9.07E-08	8.74E-08	1.35E-06
2657	490360.04	3858910.04	7.42E-03	7.57E-03	7.56E-03	2.57E-06	7.76E-06	4.49E-06	4.58E-06	4.15E-06	1.90E-06	1.89E-06	0.00E+00	0.00E+00	8.26E-07	1.56E-07	9.87E-07	1.52E-07	1.47E-07	2.27E-06
2658	490410.04	3858910.04	7.12E-03	7.27E-03	7.26E-03	2.47E-06	7.45E-06	4.31E-06	4.40E-06	3.99E-06	1.82E-06	1.82E-06	0.00E+00	0.00E+00	7.93E-07	1.49E-07	9.47E-07	1.46E-07	1.41E-07	2.18E-06
2659	490460.04	3858910.04	6.82E-03	6.96E-03	6.95E-03	2.36E-06	7.13E-06	4.13E-06	4.21E-06	3.82E-06	1.74E-06	1.74E-06	0.00E+00	0.00E+00	7.59E-07	1.43E-07	9.07E-07	1.40E-07	1.35E-07	2.08E-06
2660	490510.04	3858910.04	6.51E-03	6.64E-03	6.63E-03	2.25E-06	6.80E-06	3.94E-06	4.02E-06	3.64E-06	1.66E-06	1.66E-06	0.00E+00	0.00E+00	7.24E-07	1.36E-07	8.65E-07	1.33E-07	1.29E-07	1.99E-06
2661	490560.04	3858910.04	6.19E-03	6.32E-03	6.31E-03	2.14E-06	6.47E-06	3.75E-06	3.82E-06	3.47E-06	1.58E-06	1.58E-06	0.00E+00	0.00E+00	6.89E-07	1.30E-07	8.24E-07	1.27E-07	1.22E-07	1.89E-06
2662	490610.04	3858910.04	5.89E-03	6.01E-03	6.00E-03	2.04E-06	6.16E-06	3.56E-06	3.64E-06	3.30E-06	1.50E-06	1.50E-06	0.00E+00	0.00E+00	6.56E-07	1.23E-07	7.83E-07	1.21E-07	1.16E-07	1.80E-06
2663	490660.04	3858910.04	5.65E-03	5.77E-03	5.76E-03	1.96E-06	5.91E-06	3.42E-06	3.49E-06	3.16E-06	1.44E-06	1.44E-06	0.00E+00	0.00E+00	6.29E-07	1.19E-07	7.52E-07	1.16E-07	1.12E-07	1.73E-06
2664	490710.04	3858910.04	5.40E-03	5.51E-03	5.50E-03	1.87E-06	5.64E-06	3.27E-06	3.33E-06	3.02E-06	1.38E-06	1.38E-06	0.00E+00	0.00E+00	6.01E-07	1.13E-07	7.18E-07	1.11E-07	1.07E-07	1.65E-06
2665	490760.04	3858910.04	5.12E-03	5.22E-03	5.21E-03	1.77E-06	5.35E-06	3.10E-06	3.16E-06	2.86E-06	1.31E-06	1.31E-06	0.00E+00	0.00E+00	5.70E-07	1.07E-07	6.80E-07	1.05E-07	1.01E-07	1.56E-06
2666	490810.04	3858910.04	4.92E-03	5.02E-03	5.02E-03	1.70E-06	5.15E-06	2.98E-06	3.04E-06	2.76E-06	1.26E-06	1.26E-06	0.00E+00	0.00E+00	5.48E-07	1.03E-07	6.55E-07	1.01E-07	9.73E-08	1.50E-06
2667	490860.04	3858910.04	4.67E-03	4.77E-03	4.76E-03	1.62E-06	4.88E-06	2.83E-06	2.89E-06	2.62E-06	1.19E-06	1.19E-06	0.00E+00	0.00E+00	5.20E-07	9.79E-08	6.22E-07	9.58E-08	9.23E-08	1.43E-06
2668	490360.04	3858960.04	8.23E-03	8.40E-03	8.39E-03	2.85E-06	8.60E-06	4.98E-06	5.08E-06	4.61E-06	2.10E-06	2.10E-06	0.00E+00	0.00E+00	9.16E-07	1.72E-07	1.09E-06	1.69E-07	1.63E-07	2.51E-06
2669	490410.04	3858960.04	7.82E-03	7.98E-03	7.97E-03	2.71E-06	8.18E-06	4.73E-06	4.83E-06	4.38E-06	2.00E-06	2.00E-06	0.00E+00	0.00E+00	8.71E-07	1.64E-07	1.04E-06	1.60E-07	1.55E-07	2.39E-06
2670	490460.04	3858960.04	7.41E-03	7.56E-03	7.55E-03	2.57E-06	7.75E-06	4.48E-06	4.58E-06	4.15E-06	1.89E-06	1.89E-06	0.00E+00	0.00E+00	8.25E-07	1.55E-07	9.85E-07	1.52E-07	1.46E-07	2.26E-06
2671	490510.04	3858960.04	7.05E-03	7.20E-03	7.19E-03	2.44E-06	7.37E-06	4.27E-06	4.36E-06	3.95E-06	1.80E-06	1.80E-06	0.00E+00	0.00E+00	7.85E-07	1.48E-07	9.38E-07	1.45E-07	1.39E-07	2.16E-06
2672	490560.04	3858960.04	6.72E-03	6.86E-03	6.85E-03	2.33E-06	7.02E-06	4.07E-06	4.15E-06	3.76E-06	1.72E-06	1.71E-06	0.00E+00	0.00E+00	7.48E-07	1.41E-07	8.94E-07	1.38E-07	1.33E-07	2.05E-06
2673	490610.04	3858960.04	6.32E-03	6.45E-03	6.45E-03	2.19E-06	6.61E-06	3.83E-06	3.90E-06	3.54E-06	1.61E-06	1.61E-06	0.00E+00	0.00E+00	7.04E-07	1.33E-07	8.41E-07	1.30E-07	1.25E-07	1.93E-06
2674	490660.04	3858960.04	6.12E-03	6.25E-03	6.24E-03	2.12E-06	6.40E-06	3.71E-06	3.78E-06	3.43E-06	1.56E-06	1.56E-06	0.00E+00	0.00E+00	6.82E-07	1.28E-07	8.15E-07	1.26E-07	1.21E-07	1.87E-06
2675	490710.04	3858960.04	5.78E-03	5.89E-03	5.89E-03	2.00E-06	6.04E-06	3.49E-06	3.57E-06	3.23E-06	1.48E-06	1.47E-06	0.00E+00	0.00E+00	6.43E-07	1.21E-07	7.68E-07	1.18E-07	1.14E-07	1.76E-06
2676	490760.04	3858960.04	5.49E-03	5.60E-03	5.59E-03	1.90E-06	5.74E-06	3.32E-06	3.39E-06	3.07E-06	1.40E-06	1.40E-06	0.00E+00	0.00E+00	6.11E-07	1.15E-07	7.30E-07	1.13E-07	1.08E-07	1.68E-06
2677	490810.04	3858960.04	5.22E-03	5.32E-03	5.32E-03	1.81E-06	5.45E-06	3.16E-06	3.22E-06	2.92E-06	1.33E-06	1.33E-06	0.00E+00	0.00E+00	5.81E-07	1.09E-07	6.94E-07	1.07E-07	1.03E-07	1.59E-06
2678	490860.04	3858960.04	4.93E-03	5.03E-03	5.02E-03	1.71E-06	5.15E-06	2.98E-06	3.04E-06	2.76E-06	1.26E-06	1.26E-06	0.00E+00	0.00E+00	5.48E-07	1.03E-07	6.55E-07	1.01E-07	9.73E-08	1.51E-06
2679	490360.04	3859010.04	9.10E-03	9.29E-03	9.28E-03	3.15E-06	9.51E-06	5.51E-06	5.62E-06	5.09E-06	2.32E-06	2.32E-06	0.00E+00	0.00E+00	1.01E-06	1.91E-07	1.21E-06	1.87E-07	1.80E-07	2.78E-06
2680	490410.04	3859010.04	8.58E-03	8.75E-03	8.74E-03	2.97E-06	8.97E-06	5.19E-06	5.30E-06	4.80E-06	2.19E-06	2.19E-06	0.00E+00	0.00E+00	9.55E-07	1.80E-07	1.14E-06	1.76E-07	1.69E-07	2.62E-06
2681	490460.04	3859010.04	8.01E-03	8.17E-03	8.16E-03	2.77E-06	8.37E-06	4.85E-06	4.95E-06	4.48E-06	2.05E-06	2.04E-06	0.00E+00	0.00E+00	8.92E-07	1.68E-07	1.07E-06	1.64E-07	1.58E-07	2.45E-06

2682	490510.04	3859010.04	7.50E-03	7.65E-03	7.64E-03	2.60E-06	7.84E-06	4.54E-06	4.63E-06	4.20E-06	1.91E-06	1.91E-06	0.00E+00	0.00E+00	8.35E-07	1.57E-07	9.97E-07	1.54E-07	1.48E-07	2.29E-06
2683	490560.04	3859010.04	7.20E-03	7.35E-03	7.34E-03	2.49E-06	7.53E-06	4.36E-06	4.45E-06	4.03E-06	1.84E-06	1.84E-06	0.00E+00	0.00E+00	8.01E-07	1.51E-07	9.57E-07	1.48E-07	1.42E-07	2.20E-06
2684	490610.04	3859010.04	6.76E-03	6.90E-03	6.89E-03	2.34E-06	7.07E-06	4.09E-06	4.17E-06	3.78E-06	1.73E-06	1.72E-06	0.00E+00	0.00E+00	7.53E-07	1.42E-07	8.99E-07	1.39E-07	1.34E-07	2.07E-06
2685	490660.04	3859010.04	6.54E-03	6.68E-03	6.67E-03	2.27E-06	6.84E-06	3.96E-06	4.04E-06	3.66E-06	1.67E-06	1.67E-06	0.00E+00	0.00E+00	7.28E-07	1.37E-07	8.70E-07	1.34E-07	1.29E-07	2.00E-06
2686	490710.04	3859010.04	6.14E-03	6.27E-03	6.26E-03	2.13E-06	6.42E-06	3.72E-06	3.79E-06	3.44E-06	1.57E-06	1.57E-06	0.00E+00	0.00E+00	6.83E-07	1.29E-07	8.17E-07	1.26E-07	1.21E-07	1.88E-06
2687	490760.04	3859010.04	5.80E-03	5.92E-03	5.91E-03	2.01E-06	6.06E-06	3.51E-06	3.58E-06	3.25E-06	1.48E-06	1.48E-06	0.00E+00	0.00E+00	6.46E-07	1.22E-07	7.72E-07	1.19E-07	1.15E-07	1.77E-06
2688	490810.04	3859010.04	5.49E-03	5.60E-03	5.59E-03	1.90E-06	5.73E-06	3.32E-06	3.39E-06	3.07E-06	1.40E-06	1.40E-06	0.00E+00	0.00E+00	6.11E-07	1.15E-07	7.30E-07	1.13E-07	1.08E-07	1.68E-06
2689	490860.04	3859010.04	5.22E-03	5.32E-03	5.32E-03	1.81E-06	5.45E-06	3.16E-06	3.22E-06	2.92E-06	1.33E-06	1.33E-06	0.00E+00	0.00E+00	5.81E-07	1.09E-07	6.94E-07	1.07E-07	1.03E-07	1.59E-06
2690	490360.04	3859060.04	1.00E-02	1.02E-02	1.02E-02	3.46E-06	1.04E-05	6.05E-06	6.17E-06	5.60E-06	2.55E-06	2.55E-06	0.00E+00	0.00E+00	1.11E-06	2.10E-07	1.33E-06	2.05E-07	1.97E-07	3.05E-06
2691	490410.04	3859060.04	9.23E-03	9.41E-03	9.40E-03	3.19E-06	9.64E-06	5.58E-06	5.70E-06	5.16E-06	2.36E-06	2.35E-06	0.00E+00	0.00E+00	1.03E-06	1.93E-07	1.23E-06	1.89E-07	1.82E-07	2.82E-06
2692	490460.04	3859060.04	8.63E-03	8.80E-03	8.79E-03	2.99E-06	9.01E-06	5.22E-06	5.33E-06	4.83E-06	2.20E-06	2.20E-06	0.00E+00	0.00E+00	9.60E-07	1.81E-07	1.15E-06	1.77E-07	1.70E-07	2.64E-06
2693	490510.04	3859060.04	8.12E-03	8.29E-03	8.28E-03	2.81E-06	8.49E-06	4.92E-06	5.02E-06	4.55E-06	2.07E-06	2.07E-06	0.00E+00	0.00E+00	9.04E-07	1.70E-07	1.08E-06	1.67E-07	1.60E-07	2.48E-06
2694	490560.04	3859060.04	7.59E-03	7.74E-03	7.73E-03	2.63E-06	7.93E-06	4.59E-06	4.68E-06	4.25E-06	1.94E-06	1.93E-06	0.00E+00	0.00E+00	8.44E-07	1.59E-07	1.01E-06	1.56E-07	1.50E-07	2.32E-06
2695	490610.04	3859060.04	7.23E-03	7.38E-03	7.37E-03	2.50E-06	7.56E-06	4.37E-06	4.46E-06	4.05E-06	1.85E-06	1.84E-06	0.00E+00	0.00E+00	8.05E-07	1.51E-07	9.61E-07	1.48E-07	1.43E-07	2.21E-06
2696	490660.04	3859060.04	6.91E-03	7.05E-03	7.04E-03	2.39E-06	7.22E-06	4.18E-06	4.27E-06	3.87E-06	1.76E-06	1.76E-06	0.00E+00	0.00E+00	7.69E-07	1.45E-07	9.19E-07	1.42E-07	1.36E-07	2.11E-06
2697	490710.04	3859060.04	6.46E-03	6.60E-03	6.59E-03	2.24E-06	6.76E-06	3.91E-06	3.99E-06	3.62E-06	1.65E-06	1.65E-06	0.00E+00	0.00E+00	7.20E-07	1.35E-07	8.60E-07	1.33E-07	1.28E-07	1.98E-06
2698	490760.04	3859060.04	6.09E-03	6.22E-03	6.21E-03	2.11E-06	6.37E-06	3.69E-06	3.76E-06	3.41E-06	1.56E-06	1.55E-06	0.00E+00	0.00E+00	6.78E-07	1.28E-07	8.10E-07	1.25E-07	1.20E-07	1.86E-06
2699	490810.04	3859060.04	5.74E-03	5.86E-03	5.85E-03	1.99E-06	6.00E-06	3.47E-06	3.55E-06	3.21E-06	1.47E-06	1.46E-06	0.00E+00	0.00E+00	6.39E-07	1.20E-07	7.64E-07	1.18E-07	1.13E-07	1.75E-06
2700	490860.04	3859060.04	5.45E-03	5.56E-03	5.55E-03	1.89E-06	5.70E-06	3.30E-06	3.36E-06	3.05E-06	1.39E-06	1.39E-06	0.00E+00	0.00E+00	6.07E-07	1.14E-07	7.25E-07	1.12E-07	1.08E-07	1.66E-06
2701	490360.04	3859110.04	1.11E-02	1.13E-02	1.13E-02	3.84E-06	1.16E-05	6.71E-06	6.85E-06	6.21E-06	2.83E-06	2.83E-06	0.00E+00	0.00E+00	1.23E-06	2.32E-07	1.47E-06	2.27E-07	2.19E-07	3.39E-06
2702	490410.04	3859110.04	1.02E-02	1.04E-02	1.04E-02	3.52E-06	1.06E-05	6.16E-06	6.29E-06	5.70E-06	2.60E-06	2.60E-06	0.00E+00	0.00E+00	1.13E-06	2.13E-07	1.35E-06	2.09E-07	2.01E-07	3.11E-06
2703	490460.04	3859110.04	9.55E-03	9.74E-03	9.73E-03	3.31E-06	9.98E-06	5.78E-06	5.90E-06	5.34E-06	2.44E-06	2.44E-06	0.00E+00	0.00E+00	1.06E-06	2.00E-07	1.27E-06	1.96E-07	1.89E-07	2.92E-06
2704	490510.04	3859110.04	8.66E-03	8.84E-03	8.83E-03	3.00E-06	9.06E-06	5.24E-06	5.35E-06	4.85E-06	2.21E-06	2.21E-06	0.00E+00	0.00E+00	9.64E-07	1.82E-07	1.15E-06	1.78E-07	1.71E-07	2.65E-06
2705	490560.04	3859110.04	8.12E-03	8.29E-03	8.28E-03	2.81E-06	8.49E-06	4.91E-06	5.01E-06	4.54E-06	2.07E-06	2.07E-06	0.00E+00	0.00E+00	9.04E-07	1.70E-07	1.08E-06	1.67E-07	1.60E-07	2.48E-06
2706	490610.04	3859110.04	7.58E-03	7.74E-03	7.73E-03	2.63E-06	7.93E-06	4.59E-06	4.68E-06	4.25E-06	1.94E-06	1.93E-06	0.00E+00	0.00E+00	8.44E-07	1.59E-07	1.01E-06	1.56E-07	1.50E-07	2.32E-06
2707	490660.04	3859110.04	7.06E-03	7.20E-03	7.19E-03	2.44E-06	7.37E-06	4.27E-06	4.36E-06	3.95E-06	1.80E-06	1.80E-06	0.00E+00	0.00E+00	7.85E-07	1.48E-07	9.38E-07	1.45E-07	1.39E-07	2.16E-06
2708	490710.04	3859110.04	6.73E-03	6.87E-03	6.86E-03	2.33E-06	7.03E-06	4.07E-06	4.15E-06	3.77E-06	1.72E-06	1.72E-06	0.00E+00	0.00E+00	7.49E-07	1.41E-07	8.95E-07	1.38E-07	1.33E-07	2.06E-06
2709	490760.04	3859110.04	6.36E-03	6.49E-03	6.48E-03	2.20E-06	6.65E-06	3.85E-06	3.93E-06	3.56E-06	1.62E-06	1.62E-06	0.00E+00	0.00E+00	7.08E-07	1.33E-07	8.45E-07	1.30E-07	1.26E-07	1.94E-06
2710	490810.04	3859110.04	5.97E-03	6.09E-03	6.08E-03	2.06E-06	6.23E-06	3.61E-06	3.68E-06	3.34E-06	1.52E-06	1.52E-06	0.00E+00	0.00E+00	6.64E-07	1.25E-07	7.93E-07	1.22E-07	1.18E-07	1.82E-06
2711	490860.04	3859110.04	5.62E-03	5.73E-03	5.73E-03	1.94E-06	5.87E-06	3.40E-06	3.47E-06	3.14E-06	1.43E-06	1.43E-06	0.00E+00	0.00E+00	6.25E-07	1.18E-07	7.47E-07	1.15E-07	1.11E-07	1.72E-06
2712	490360.04	3859160.04	1.24E-02	1.26E-02	1.26E-02	4.29E-06	1.30E-05	7.50E-06	7.65E-06	6.94E-06	3.16E-06	3.16E-06	0.00E+00	0.00E+00	1.38E-06	2.60E-07	1.65E-06	2.54E-07	2.45E-07	3.79E-06
2713	490410.04	3859160.04	1.14E-02	1.16E-02	1.16E-02	3.93E-06	1.19E-05	6.87E-06	7.01E-06	6.35E-06	2.90E-06	2.90E-06	0.00E+00	0.00E+00	1.26E-06	2.38E-07	1.51E-06	2.33E-07	2.24E-07	3.47E-06
2714	490460.04	3859160.04	1.05E-02	1.07E-02	1.07E-02	3.63E-06	1.09E-05	6.34E-06	6.47E-06	5.86E-06	2.68E-06	2.67E-06	0.00E+00	0.00E+00	1.17E-06	2.20E-07	1.39E-06	2.15E-07	2.07E-07	3.20E-06
2715	490510.04	3859160.04	9.66E-03	9.86E-03	9.85E-03	3.34E-06	1.01E-05	5.85E-06	5.97E-06	5.41E-06	2.47E-06	2.46E-06	0.00E+00	0.00E+00	1.08E-06	2.02E-07	1.28E-06	1.98E-07	1.91E-07	2.95E-06
2716	490560.04	3859160.04	8.82E-03	9.00E-03	8.99E-03	3.05E-06	9.22E-06	5.34E-06	5.44E-06	4.94E-06	2.25E-06	2.25E-06	0.00E+00	0.00E+00	9.82E-07	1.85E-07	1.17E-06	1.81E-07	1.74E-07	2.69E-06
2717	490610.04	3859160.04	8.27E-03	8.44E-03	8.43E-03	2.86E-06	8.64E-06	5.00E-06	5.11E-06	4.63E-06	2.11E-06	2.11E-06	0.00E+00	0.00E+00	9.21E-07	1.73E-07	1.10E-06	1.70E-07	1.63E-07	2.53E-06
2718	490660.04	3859160.04	7.41E-03	7.56E-03	7.55E-03	2.57E-06	7.75E-06	4.48E-06	4.58E-06	4.15E-06	1.89E-06	1.89E-06	0.00E+00	0.00E+00	8.25E-07	1.55E-07	9.86E-07	1.52E-07	1.46E-07	2.26E-06
2719	490710.04	3859160.04	7.03E-03	7.17E-03	7.17E-03	2.43E-06	7.35E-06	4.25E-06	4.34E-06	3.94E-06	1.80E-06	1.79E-06	0.00E+00	0.00E+00	7.83E-07	1.47E-07	9.35E-07	1.44E-07	1.39E-07	2.15E-06
2720	490760.04	3859160.04	6.50E-03	6.63E-03	6.62E-03	2.25E-06	6.79E-06	3.93E-06	4.01E-06	3.64E-06	1.66E-06	1.66E-06	0.00E+00	0.00E+00	7.23E-07	1.36E-07	8.64E-07	1.33E-07	1.28E-07	1.98E-06
2721	490810.04	3859160.04	6.19E-03	6.31E-03	6.30E-03	2.14E-06	6.47E-06	3.74E-06	3.82E-06	3.46E-06	1.58E-06	1.58E-06	0.00E+00	0.00E+00	6.89E-07	1.30E-07	8.23E-07	1.27E-07	1.22E-07	1.89E-06
2722	490860.04	3859160.04	5.88E-03	6.00E-03	5.99E-03	2.03E-06	6.14E-06	3.56E-06	3.63E-06	3.29E-06	1.50E-06	1.50E-06	0.00E+00	0.00E+00	6.54E-07	1.23E-07	7.82E-07	1.21E-07	1.16E-07	1.80E-06
2723	490360.04	3859210.04	1.39E-02	1.41E-02	1.41E-02	4.80E-06	1.45E-05	8.38E-06	8.56E-06	7.76E-06	3.54E-06	3.53E-06	0.00E+00	0.00E+00	1.54E-06	2.90E-07	1.84E-06	2.84E-07	2.74E-07	4.23E-06
2724	490410.04	3859210.04	1.30E-02	1.32E-02	1.32E-02	4.49E-06	1.36E-05	7.85E-06	8.01E-06	7.26E-06	3.31E-06	3.31E-06	0.00E+00	0.00E+00	1.44E-06	2.72E-07	1.73E-06	2.66E-07	2.56E-07	3.97E-06
2725	490460.04	3859210.04	1.15E-02	1.18E-02	1.18E-02	3.99E-06	1.21E-05	6.98E-06	7.12E-06	6.45E-06	2.95E-06	2.94E-06	0.00E+00	0.00E+00	1.28E-06	2.42E-07	1.53E-06	2.36E-07	2.28E-07	3.52E-06
2726	490510.04	3859210.04	1.05E-02	1.08E-02	1.07E-02	3.65E-06	1.10E-05	6.38E-06	6.51E-06	5.90E-06	2.69E-06	2.69E-06	0.00E+00	0.00E+00	1.17E-06	2.21E-07	1.40E-06	2.16E-07	2.08E-07	3.22E-06
2727	490560.04	3859210.04	9.86E-03	1.01E-02	1.00E-02	3.41E-06	1.03E-05	5.96E-06	6.09E-06	5.52E-06	2.52E-06	2.51E-06	0.00E+00	0.00E+00	1.10E-06	2.07E-07	1.31E-06	2.02E-07	1.95E-07	3.01E-06
2728	490610.04	3859210.04	9.07E-03	9.26E-03	9.25E-03	3.14E-06	9.48E-06	5.49E-06	5.60E-06	5.08E-06	2.32E-06	2.31E-06	0.00E+00	0.00E+00	1.01E-06	1.90E-07	1.21E-06	1.86E-07	1.79E-07	2.77E-06
2729	490660.04	3859210.04	8.14E-03	8.30E-03	8.29E-03	2.82E-06	8.50E-06	4.92E-06	5.02E-06	4.55E-06	2.08E-06	2.08E-06	0.00E+00	0.00E+00	9.06E-07	1.71E-07	1.08E-06	1.67E-07	1.61E-07	2.49E-06
2730	490710.04	3859210.04	7.57E-03	7.72E-03	7.72E-03	2.62E-06	7.91E-06	4.58E-06	4.67E-06	4.24E-06	1.93E-06	1.93E-06	0.00E+00	0.00E+00	8.43E-07	1.59E-07	1.01E-06	1.55E-07	1.50E-07	2.31E-06
2731	490760.04	3859210.04	7.01E-03	7.16E-03	7.15E-03	2.43E-06	7.33E-06	4.24E-06	4.33E-06	3.92E-06	1.79E-06	1.79E-06	0.00E+00	0.00E+00	7.81E-07	1.47E-07	9.33E-07	1.44E-07	1.39E-07	2.14E-06
2732	490810.04	3859210.04	6.81E-03	6.95E-03	6.94E-03	2.36E-06	7.12E-06	4.12E-06	4.20E-06	3.81E-06	1.74E-06	1.74E-06	0.00E+00	0.00E+00	7.58E-07	1.43E-07	9.06E-07	1.40E-07	1.34E-07	2.08E-06
2733	490860.04	3859210.04	6.60E-03	6.74E-03	6.73E-03	2.28E-06	6.90E-06	3.99E-06	4.08E-06	3.69E-06	1.69E-06	1.68E-06	0.00E+00	0.00E+00	7.35E-07	1.38E-07	8.78E-07	1.35E-07	1.30E-07	2.02E-06
2734	490360.04	3859260.04	1.54E-02	1.57E-02	1.56E-02	5.31E-06	1.60E-05	9.29E-06	9.48E-06	8.59E-06	3.92E-06	3.92E-06	0.00E+00	0.00E+00	1.71E-06	3.22E-07	2.04E-06	3.15E-07	3.03E-07	4.69E-06
2735	490410.04	3859260.04	1.42E-02	1.45E-02	1.45E-02	4.91E-06	1.48E-05	8.59E-06	8.76E-06	7.94E-06	3.62E-06	3.62E-06	0.00E+00	0.00E+00	1.58E-06	2.97E-07	1.89E-06	2.91E-07	2.80E-07	4.34E-06
2736	490460.04	3859260.04	1.33E-02	1.35E-02	1.35E-02	4.59E-06	1.39E-05	8.02E-06	8.19E-06	7.42E-06	3.39E-06	3.38E-06	0.00E+00	0.00E+00	1.48E-06	2.78E-07	1.76E-06	2.72E-07	2.62E-07	4.05E-06
2737	490510.04	3859260.04	1.24E-02	1.26E-02	1.26E-02	4.28E-06	1.29E-05	7.47E-06	7.63E-06	6.91E-06	3.15E-06	3.15E-06	0.00E+00	0.00E+00	1.38E-06	2.59E-07	1.64E-06	2.53E-07	2.44E-07	3.77E-06

2738	490560.04	3859260.04	1.13E-02	1.16E-02	1.15E-02	3.92E-06	1.18E-05	6.85E-06	6.99E-06	6.34E-06	2.89E-06	2.89E-06	0.00E+00	0.00E+00	1.26E-06	2.37E-07	1.51E-06	2.32E-07	2.24E-07	3.46E-06
2739	490610.04	3859260.04	1.01E-02	1.03E-02	1.03E-02	3.50E-06	1.06E-05	6.12E-06	6.25E-06	5.66E-06	2.58E-06	2.58E-06	0.00E+00	0.00E+00	1.13E-06	2.12E-07	1.35E-06	2.08E-07	2.00E-07	3.09E-06
2740	490660.04	3859260.04	9.70E-03	9.90E-03	9.89E-03	3.36E-06	1.01E-05	5.87E-06	5.99E-06	5.43E-06	2.48E-06	2.48E-06	0.00E+00	0.00E+00	1.08E-06	2.03E-07	1.29E-06	1.99E-07	1.92E-07	2.96E-06
2741	490710.04	3859260.04	9.01E-03	9.20E-03	9.19E-03	3.12E-06	9.42E-06	5.45E-06	5.57E-06	5.05E-06	2.30E-06	2.30E-06	0.00E+00	0.00E+00	1.00E-06	1.89E-07	1.20E-06	1.85E-07	1.78E-07	2.75E-06
2742	490760.04	3859260.04	8.22E-03	8.39E-03	8.38E-03	2.85E-06	8.59E-06	4.98E-06	5.08E-06	4.60E-06	2.10E-06	2.10E-06	0.00E+00	0.00E+00	9.15E-07	1.72E-07	1.09E-06	1.69E-07	1.62E-07	2.51E-06
2743	490810.04	3859260.04	7.89E-03	8.05E-03	8.04E-03	2.73E-06	8.24E-06	4.77E-06	4.87E-06	4.41E-06	2.01E-06	2.01E-06	0.00E+00	0.00E+00	8.78E-07	1.65E-07	1.05E-06	1.62E-07	1.56E-07	2.41E-06
2744	490860.04	3859260.04	7.57E-03	7.72E-03	7.71E-03	2.62E-06	7.91E-06	4.58E-06	4.67E-06	4.24E-06	1.93E-06	1.93E-06	0.00E+00	0.00E+00	8.42E-07	1.59E-07	1.01E-06	1.55E-07	1.49E-07	2.31E-06
2745	490360.04	3859310.04	1.76E-02	1.80E-02	1.80E-02	6.10E-06	1.84E-05	1.07E-05	1.09E-05	9.86E-06	4.50E-06	4.49E-06	0.00E+00	0.00E+00	1.96E-06	3.69E-07	2.34E-06	3.61E-07	3.48E-07	5.38E-06
2746	490410.04	3859310.04	1.62E-02	1.65E-02	1.65E-02	5.61E-06	1.69E-05	9.80E-06	1.00E-05	9.07E-06	4.14E-06	4.13E-06	0.00E+00	0.00E+00	1.80E-06	3.40E-07	2.15E-06	3.32E-07	3.20E-07	4.95E-06
2747	490460.04	3859310.04	1.50E-02	1.53E-02	1.53E-02	5.20E-06	1.57E-05	9.08E-06	9.27E-06	8.40E-06	3.83E-06	3.83E-06	0.00E+00	0.00E+00	1.67E-06	3.15E-07	2.00E-06	3.08E-07	2.96E-07	4.59E-06
2748	490510.04	3859310.04	1.41E-02	1.44E-02	1.44E-02	4.87E-06	1.47E-05	8.52E-06	8.69E-06	7.88E-06	3.60E-06	3.59E-06	0.00E+00	0.00E+00	1.57E-06	2.95E-07	1.87E-06	2.89E-07	2.78E-07	4.30E-06
2749	490560.04	3859310.04	1.32E-02	1.34E-02	1.34E-02	4.55E-06	1.38E-05	7.96E-06	8.12E-06	7.36E-06	3.36E-06	3.36E-06	0.00E+00	0.00E+00	1.46E-06	2.76E-07	1.75E-06	2.70E-07	2.60E-07	4.02E-06
2750	490610.04	3859310.04	1.24E-02	1.26E-02	1.26E-02	4.29E-06	1.30E-05	7.50E-06	7.65E-06	6.94E-06	3.16E-06	3.16E-06	0.00E+00	0.00E+00	1.38E-06	2.60E-07	1.65E-06	2.54E-07	2.45E-07	3.79E-06
2751	490660.04	3859310.04	1.15E-02	1.18E-02	1.18E-02	3.99E-06	1.20E-05	6.98E-06	7.12E-06	6.45E-06	2.94E-06	2.94E-06	0.00E+00	0.00E+00	1.28E-06	2.42E-07	1.53E-06	2.36E-07	2.28E-07	3.52E-06
2752	490710.04	3859310.04	1.03E-02	1.05E-02	1.05E-02	3.57E-06	1.08E-05	6.24E-06	6.37E-06	5.77E-06	2.63E-06	2.63E-06	0.00E+00	0.00E+00	1.15E-06	2.16E-07	1.37E-06	2.11E-07	2.04E-07	3.15E-06
2753	490760.04	3859310.04	9.60E-03	9.80E-03	9.79E-03	3.32E-06	1.00E-05	5.81E-06	5.93E-06	5.37E-06	2.45E-06	2.45E-06	0.00E+00	0.00E+00	1.07E-06	2.01E-07	1.28E-06	1.97E-07	1.90E-07	2.93E-06
2754	490810.04	3859310.04	9.14E-03	9.33E-03	9.32E-03	3.17E-06	9.56E-06	5.53E-06	5.65E-06	5.12E-06	2.34E-06	2.33E-06	0.00E+00	0.00E+00	1.02E-06	1.92E-07	1.22E-06	1.88E-07	1.81E-07	2.79E-06
2755	490860.04	3859310.04	8.59E-03	8.76E-03	8.75E-03	2.97E-06	8.97E-06	5.20E-06	5.30E-06	4.81E-06	2.19E-06	2.19E-06	0.00E+00	0.00E+00	9.56E-07	1.80E-07	1.14E-06	1.76E-07	1.70E-07	2.62E-06
2756	490360.04	3859360.04	2.04E-02	2.09E-02	2.08E-02	7.08E-06	2.14E-05	1.24E-05	1.26E-05	1.14E-05	5.22E-06	5.22E-06	0.00E+00	0.00E+00	2.28E-06	4.29E-07	2.72E-06	4.19E-07	4.04E-07	6.25E-06
2757	490410.04	3859360.04	1.90E-02	1.94E-02	1.94E-02	6.57E-06	1.98E-05	1.15E-05	1.17E-05	1.06E-05	4.85E-06	4.84E-06	0.00E+00	0.00E+00	2.11E-06	3.98E-07	2.52E-06	3.89E-07	3.75E-07	5.80E-06
2758	490460.04	3859360.04	1.77E-02	1.81E-02	1.81E-02	6.14E-06	1.85E-05	1.07E-05	1.09E-05	9.92E-06	4.53E-06	4.52E-06	0.00E+00	0.00E+00	1.97E-06	3.72E-07	2.36E-06	3.64E-07	3.50E-07	5.42E-06
2759	490510.04	3859360.04	1.66E-02	1.69E-02	1.69E-02	5.73E-06	1.73E-05	1.00E-05	1.02E-05	9.27E-06	4.23E-06	4.22E-06	0.00E+00	0.00E+00	1.84E-06	3.47E-07	2.20E-06	3.40E-07	3.27E-07	5.06E-06
2760	490560.04	3859360.04	1.52E-02	1.55E-02	1.55E-02	5.27E-06	1.59E-05	9.22E-06	9.41E-06	8.53E-06	3.89E-06	3.89E-06	0.00E+00	0.00E+00	1.70E-06	3.19E-07	2.03E-06	3.12E-07	3.01E-07	4.65E-06
2761	490610.04	3859360.04	1.41E-02	1.44E-02	1.43E-02	4.87E-06	1.47E-05	8.51E-06	8.68E-06	7.87E-06	3.59E-06	3.59E-06	0.00E+00	0.00E+00	1.57E-06	2.95E-07	1.87E-06	2.88E-07	2.78E-07	4.30E-06
2762	490660.04	3859360.04	1.31E-02	1.34E-02	1.34E-02	4.54E-06	1.37E-05	7.94E-06	8.10E-06	7.35E-06	3.35E-06	3.35E-06	0.00E+00	0.00E+00	1.46E-06	2.75E-07	1.75E-06	2.69E-07	2.59E-07	4.01E-06
2763	490710.04	3859360.04	1.20E-02	1.23E-02	1.23E-02	4.17E-06	1.26E-05	7.28E-06	7.43E-06	6.74E-06	3.07E-06	3.07E-06	0.00E+00	0.00E+00	1.34E-06	2.52E-07	1.60E-06	2.47E-07	2.38E-07	3.68E-06
2764	490760.04	3859360.04	1.10E-02	1.12E-02	1.12E-02	3.81E-06	1.15E-05	6.66E-06	6.80E-06	6.16E-06	2.81E-06	2.81E-06	0.00E+00	0.00E+00	1.23E-06	2.31E-07	1.46E-06	2.26E-07	2.18E-07	3.36E-06
2765	490810.04	3859360.04	1.06E-02	1.08E-02	1.08E-02	3.67E-06	1.11E-05	6.41E-06	6.54E-06	5.93E-06	2.71E-06	2.70E-06	0.00E+00	0.00E+00	1.18E-06	2.22E-07	1.41E-06	2.17E-07	2.09E-07	3.24E-06
2766	490860.04	3859360.04	9.97E-03	1.02E-02	1.02E-02	3.45E-06	1.04E-05	6.03E-06	6.16E-06	5.58E-06	2.55E-06	2.54E-06	0.00E+00	0.00E+00	1.11E-06	2.09E-07	1.33E-06	2.05E-07	1.97E-07	3.05E-06
2767	490360.04	3859410.04	2.40E-02	2.45E-02	2.45E-02	8.32E-06	2.51E-05	1.45E-05	1.48E-05	1.34E-05	6.14E-06	6.13E-06	0.00E+00	0.00E+00	2.67E-06	5.03E-07	3.19E-06	4.93E-07	4.75E-07	7.34E-06
2768	490410.04	3859410.04	2.23E-02	2.28E-02	2.27E-02	7.72E-06	2.33E-05	1.35E-05	1.38E-05	1.25E-05	5.69E-06	5.69E-06	0.00E+00	0.00E+00	2.48E-06	4.67E-07	2.97E-06	4.57E-07	4.40E-07	6.81E-06
2769	490460.04	3859410.04	2.07E-02	2.12E-02	2.11E-02	7.18E-06	2.17E-05	1.25E-05	1.28E-05	1.16E-05	5.29E-06	5.29E-06	0.00E+00	0.00E+00	2.31E-06	4.34E-07	2.76E-06	4.25E-07	4.09E-07	6.33E-06
2770	490510.04	3859410.04	1.93E-02	1.97E-02	1.96E-02	6.67E-06	2.02E-05	1.17E-05	1.19E-05	1.08E-05	4.92E-06	4.92E-06	0.00E+00	0.00E+00	2.15E-06	4.04E-07	2.56E-06	3.95E-07	3.81E-07	5.89E-06
2771	490560.04	3859410.04	1.80E-02	1.83E-02	1.83E-02	6.22E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.59E-06	4.58E-06	0.00E+00	0.00E+00	2.00E-06	3.76E-07	2.39E-06	3.68E-07	3.55E-07	5.49E-06
2772	490610.04	3859410.04	1.67E-02	1.71E-02	1.70E-02	5.79E-06	1.75E-05	1.01E-05	1.03E-05	9.36E-06	4.27E-06	4.26E-06	0.00E+00	0.00E+00	1.86E-06	3.50E-07	2.22E-06	3.43E-07	3.30E-07	5.11E-06
2773	490660.04	3859410.04	1.52E-02	1.55E-02	1.55E-02	5.26E-06	1.59E-05	9.19E-06	9.38E-06	8.50E-06	3.88E-06	3.88E-06	0.00E+00	0.00E+00	1.69E-06	3.18E-07	2.02E-06	3.12E-07	3.00E-07	4.64E-06
2774	490710.04	3859410.04	1.40E-02	1.43E-02	1.42E-02	4.84E-06	1.46E-05	8.45E-06	8.62E-06	7.82E-06	3.57E-06	3.56E-06	0.00E+00	0.00E+00	1.55E-06	2.93E-07	1.86E-06	2.86E-07	2.76E-07	4.27E-06
2775	490760.04	3859410.04	1.27E-02	1.30E-02	1.29E-02	4.39E-06	1.33E-05	7.68E-06	7.84E-06	7.10E-06	3.24E-06	3.24E-06	0.00E+00	0.00E+00	1.41E-06	2.66E-07	1.69E-06	2.60E-07	2.51E-07	3.88E-06
2776	490810.04	3859410.04	1.22E-02	1.24E-02	1.24E-02	4.21E-06	1.27E-05	7.35E-06	7.50E-06	6.80E-06	3.10E-06	3.10E-06	0.00E+00	0.00E+00	1.35E-06	2.55E-07	1.62E-06	2.49E-07	2.40E-07	3.71E-06
2777	490860.04	3859410.04	1.18E-02	1.20E-02	1.20E-02	4.07E-06	1.23E-05	7.11E-06	7.26E-06	6.58E-06	3.00E-06	3.00E-06	0.00E+00	0.00E+00	1.31E-06	2.46E-07	1.56E-06	2.41E-07	2.32E-07	3.59E-06
2778	490360.04	3859460.04	2.88E-02	2.94E-02	2.94E-02	9.97E-06	3.01E-05	1.74E-05	1.78E-05	1.61E-05	7.36E-06	7.35E-06	0.00E+00	0.00E+00	3.21E-06	6.04E-07	3.83E-06	5.91E-07	5.69E-07	8.80E-06
2779	490410.04	3859460.04	2.63E-02	2.68E-02	2.68E-02	9.09E-06	2.74E-05	1.59E-05	1.62E-05	1.47E-05	6.70E-06	6.70E-06	0.00E+00	0.00E+00	2.92E-06	5.50E-07	3.49E-06	5.38E-07	5.19E-07	8.02E-06
2780	490460.04	3859460.04	2.43E-02	2.48E-02	2.48E-02	8.42E-06	2.54E-05	1.47E-05	1.50E-05	1.36E-05	6.21E-06	6.20E-06	0.00E+00	0.00E+00	2.71E-06	5.10E-07	3.23E-06	4.99E-07	4.80E-07	7.43E-06
2781	490510.04	3859460.04	2.25E-02	2.30E-02	2.30E-02	7.80E-06	2.36E-05	1.36E-05	1.39E-05	1.26E-05	5.76E-06	5.75E-06	0.00E+00	0.00E+00	2.51E-06	4.72E-07	3.00E-06	4.62E-07	4.45E-07	6.89E-06
2782	490560.04	3859460.04	2.10E-02	2.14E-02	2.14E-02	7.27E-06	2.19E-05	1.27E-05	1.30E-05	1.18E-05	5.36E-06	5.36E-06	0.00E+00	0.00E+00	2.34E-06	4.40E-07	2.79E-06	4.31E-07	4.15E-07	6.41E-06
2783	490610.04	3859460.04	1.94E-02	1.98E-02	1.98E-02	6.72E-06	2.03E-05	1.17E-05	1.20E-05	1.09E-05	4.96E-06	4.95E-06	0.00E+00	0.00E+00	2.16E-06	4.07E-07	2.58E-06	3.98E-07	3.83E-07	5.93E-06
2784	490660.04	3859460.04	1.79E-02	1.82E-02	1.82E-02	6.18E-06	1.87E-05	1.08E-05	1.10E-05	1.00E-05	4.56E-06	4.56E-06	0.00E+00	0.00E+00	1.99E-06	3.74E-07	2.38E-06	3.66E-07	3.53E-07	5.46E-06
2785	490710.04	3859460.04	1.66E-02	1.70E-02	1.69E-02	5.75E-06	1.74E-05	1.01E-05	1.03E-05	9.30E-06	4.24E-06	4.24E-06	0.00E+00	0.00E+00	1.85E-06	3.48E-07	2.21E-06	3.41E-07	3.28E-07	5.08E-06
2786	490760.04	3859460.04	1.54E-02	1.57E-02	1.57E-02	5.33E-06	1.61E-05	9.32E-06	9.51E-06	8.62E-06	3.93E-06	3.93E-06	0.00E+00	0.00E+00	1.71E-06	3.23E-07	2.05E-06	3.16E-07	3.04E-07	4.71E-06
2787	490810.04	3859460.04	1.43E-02	1.46E-02	1.46E-02	4.95E-06	1.49E-05	8.65E-06	8.83E-06	8.00E-06	3.65E-06	3.65E-06	0.00E+00	0.00E+00	1.59E-06	3.00E-07	1.90E-06	2.93E-07	2.82E-07	4.37E-06
2788	490860.04	3859460.04	1.37E-02	1.39E-02	1.39E-02	4.73E-06	1.43E-05	8.27E-06	8.44E-06	7.65E-06	3.49E-06	3.49E-06	0.00E+00	0.00E+00	1.52E-06	2.86E-07	1.82E-06	2.80E-07	2.70E-07	4.18E-06
2789	490360.04	3859510.04	3.59E-02	3.66E-02	3.66E-02	1.24E-05	3.75E-05	2.17E-05	2.22E-05	2.01E-05	9.17E-06	9.15E-06	0.00E+00	0.00E+00	4.00E-06	7.52E-07	4.77E-06	7.36E-07	7.09E-07	1.10E-05
2790	490410.04	3859510.04	3.24E-02	3.31E-02	3.30E-02	1.12E-05	3.39E-05	1.96E-05	2.00E-05	1.81E-05	8.28E-06	8.27E-06	0.00E+00	0.00E+00	3.61E-06	6.80E-07	4.31E-06	6.65E-07	6.40E-07	9.91E-06
2791	490460.04	3859510.04	2.94E-02	3.00E-02	2.99E-02	1.02E-05	3.07E-05	1.78E-05	1.81E-05	1.64E-05	7.50E-06	7.49E-06	0.00E+00	0.00E+00	3.27E-06	6.15E-07	3.90E-06	6.02E-07	5.80E-07	8.97E-06
2792	490510.04	3859510.04	2.70E-02	2.75E-02	2.75E-02	9.34E-06	2.82E-05	1.63E-05	1.67E-05	1.51E-05	6.89E-06	6.88E-06	0.00E+00	0.00E+00	3.00E-06	5.65E-07	3.59E-06	5.53E-07	5.33E-07	8.24E-06
2793	490560.04	3859510.04	2.49E-02	2.54E-02	2.54E-02	8.63E-06	2.60E-05	1.51E-05	1.54E-05	1.39E-05	6.36E-06	6.36E-06	0.00E+00	0.00E+00	2.77E-06	5.22E-07	3.31E-06	5.11E-07	4.92E-07	7.61E-06

2794	490610.04	3859510.04	2.30E-02	2.34E-02	2.34E-02	7.95E-06	2.40E-05	1.39E-05	1.42E-05	1.28E-05	5.86E-06	5.86E-06	0.00E+00	0.00E+00	2.56E-06	4.81E-07	3.05E-06	4.71E-07	4.53E-07	7.01E-06
2795	490660.04	3859510.04	2.12E-02	2.16E-02	2.16E-02	7.33E-06	2.21E-05	1.28E-05	1.31E-05	1.19E-05	5.41E-06	5.40E-06	0.00E+00	0.00E+00	2.36E-06	4.44E-07	2.82E-06	4.34E-07	4.18E-07	6.47E-06
2796	490710.04	3859510.04	1.95E-02	1.99E-02	1.99E-02	6.76E-06	2.04E-05	1.18E-05	1.20E-05	1.09E-05	4.98E-06	4.98E-06	0.00E+00	0.00E+00	2.17E-06	4.09E-07	2.60E-06	4.00E-07	3.85E-07	5.96E-06
2797	490760.04	3859510.04	1.81E-02	1.84E-02	1.84E-02	6.26E-06	1.89E-05	1.09E-05	1.12E-05	1.01E-05	4.62E-06	4.61E-06	0.00E+00	0.00E+00	2.01E-06	3.79E-07	2.40E-06	3.71E-07	3.57E-07	5.52E-06
2798	490810.04	3859510.04	1.69E-02	1.73E-02	1.73E-02	5.87E-06	1.77E-05	1.03E-05	1.05E-05	9.49E-06	4.33E-06	4.32E-06	0.00E+00	0.00E+00	1.89E-06	3.55E-07	2.25E-06	3.48E-07	3.35E-07	5.18E-06
2799	490860.04	3859510.04	1.58E-02	1.61E-02	1.61E-02	5.48E-06	1.65E-05	9.57E-06	9.77E-06	8.85E-06	4.04E-06	4.04E-06	0.00E+00	0.00E+00	1.76E-06	3.32E-07	2.10E-06	3.24E-07	3.12E-07	4.83E-06
2800	490360.04	3859560.04	4.66E-02	4.76E-02	4.75E-02	1.61E-05	4.87E-05	2.82E-05	2.88E-05	2.61E-05	1.19E-05	1.19E-05	0.00E+00	0.00E+00	5.19E-06	9.77E-07	6.20E-06	9.56E-07	9.21E-07	1.42E-05
2801	490410.04	3859560.04	4.16E-02	4.24E-02	4.24E-02	1.44E-05	4.35E-05	2.52E-05	2.57E-05	2.33E-05	1.06E-05	1.06E-05	0.00E+00	0.00E+00	4.63E-06	8.72E-07	5.53E-06	8.53E-07	8.21E-07	1.27E-05
2802	490460.04	3859560.04	3.75E-02	3.82E-02	3.82E-02	1.30E-05	3.92E-05	2.27E-05	2.31E-05	2.10E-05	9.57E-06	9.56E-06	0.00E+00	0.00E+00	4.17E-06	7.85E-07	4.98E-06	7.69E-07	7.40E-07	1.14E-05
2803	490510.04	3859560.04	3.33E-02	3.40E-02	3.39E-02	1.15E-05	3.48E-05	2.01E-05	2.06E-05	1.86E-05	8.50E-06	8.49E-06	0.00E+00	0.00E+00	3.71E-06	6.98E-07	4.43E-06	6.83E-07	6.58E-07	1.02E-05
2804	490560.04	3859560.04	3.05E-02	3.11E-02	3.11E-02	1.06E-05	3.19E-05	1.85E-05	1.88E-05	1.71E-05	7.79E-06	7.78E-06	0.00E+00	0.00E+00	3.39E-06	6.39E-07	4.06E-06	6.25E-07	6.02E-07	9.32E-06
2805	490610.04	3859560.04	2.78E-02	2.84E-02	2.83E-02	9.62E-06	2.91E-05	1.68E-05	1.72E-05	1.56E-05	7.10E-06	7.09E-06	0.00E+00	0.00E+00	3.09E-06	5.83E-07	3.70E-06	5.70E-07	5.49E-07	8.49E-06
2806	490660.04	3859560.04	2.55E-02	2.60E-02	2.60E-02	8.84E-06	2.67E-05	1.54E-05	1.58E-05	1.43E-05	6.52E-06	6.51E-06	0.00E+00	0.00E+00	2.84E-06	5.35E-07	3.39E-06	5.23E-07	5.04E-07	7.80E-06
2807	490710.04	3859560.04	2.34E-02	2.39E-02	2.38E-02	8.10E-06	2.45E-05	1.42E-05	1.44E-05	1.31E-05	5.97E-06	5.97E-06	0.00E+00	0.00E+00	2.60E-06	4.90E-07	3.11E-06	4.80E-07	4.62E-07	7.15E-06
2808	490760.04	3859560.04	2.13E-02	2.17E-02	2.17E-02	7.36E-06	2.22E-05	1.29E-05	1.31E-05	1.19E-05	5.43E-06	5.43E-06	0.00E+00	0.00E+00	2.37E-06	4.46E-07	2.83E-06	4.36E-07	4.20E-07	6.50E-06
2809	490810.04	3859560.04	1.96E-02	2.00E-02	2.00E-02	6.80E-06	2.05E-05	1.19E-05	1.21E-05	1.10E-05	5.02E-06	5.01E-06	0.00E+00	0.00E+00	2.19E-06	4.12E-07	2.61E-06	4.03E-07	3.88E-07	6.00E-06
2810	490860.04	3859560.04	1.82E-02	1.85E-02	1.85E-02	6.28E-06	1.90E-05	1.10E-05	1.12E-05	1.02E-05	4.64E-06	4.63E-06	0.00E+00	0.00E+00	2.02E-06	3.80E-07	2.41E-06	3.72E-07	3.59E-07	5.55E-06
2811	490187.25	3859422.08	3.44E-02	3.51E-02	3.51E-02	1.19E-05	3.60E-05	2.08E-05	2.12E-05	1.93E-05	8.79E-06	8.78E-06	0.00E+00	0.00E+00	3.83E-06	7.21E-07	4.58E-06	7.06E-07	6.80E-07	1.05E-05
2812	490237.25	3859422.08	3.13E-02	3.19E-02	3.19E-02	1.08E-05	3.27E-05	1.89E-05	1.93E-05	1.75E-05	7.98E-06	7.98E-06	0.00E+00	0.00E+00	3.48E-06	6.55E-07	4.16E-06	6.41E-07	6.18E-07	9.55E-06
2813	490287.25	3859422.08	2.85E-02	2.91E-02	2.90E-02	9.86E-06	2.98E-05	1.72E-05	1.76E-05	1.59E-05	7.28E-06	7.27E-06	0.00E+00	0.00E+00	3.17E-06	5.97E-07	3.79E-06	5.84E-07	5.63E-07	8.70E-06
2814	490337.25	3859422.08	2.59E-02	2.64E-02	2.64E-02	8.97E-06	2.71E-05	1.57E-05	1.60E-05	1.45E-05	6.62E-06	6.61E-06	0.00E+00	0.00E+00	2.88E-06	5.43E-07	3.44E-06	5.31E-07	5.12E-07	7.91E-06
2815	490187.25	3859472.08	4.25E-02	4.34E-02	4.33E-02	1.47E-05	4.44E-05	2.57E-05	2.62E-05	2.38E-05	1.09E-05	1.08E-05	0.00E+00	0.00E+00	4.73E-06	8.91E-07	5.65E-06	8.72E-07	8.40E-07	1.30E-05
2816	490237.25	3859472.08	3.83E-02	3.91E-02	3.91E-02	1.33E-05	4.01E-05	2.32E-05	2.37E-05	2.15E-05	9.79E-06	9.78E-06	0.00E+00	0.00E+00	4.27E-06	8.03E-07	5.10E-06	7.86E-07	7.57E-07	1.17E-05
2817	490287.25	3859472.08	3.46E-02	3.53E-02	3.53E-02	1.20E-05	3.62E-05	2.09E-05	2.14E-05	1.94E-05	8.83E-06	8.82E-06	0.00E+00	0.00E+00	3.85E-06	7.25E-07	4.60E-06	7.09E-07	6.83E-07	1.06E-05
2818	490337.25	3859472.08	3.15E-02	3.22E-02	3.21E-02	1.09E-05	3.29E-05	1.91E-05	1.95E-05	1.76E-05	8.05E-06	8.04E-06	0.00E+00	0.00E+00	3.51E-06	6.61E-07	4.19E-06	6.46E-07	6.23E-07	9.63E-06
2819	490297.07	3859500.42	3.86E-02	3.94E-02	3.94E-02	1.34E-05	4.04E-05	2.34E-05	2.38E-05	2.16E-05	9.86E-06	9.85E-06	0.00E+00	0.00E+00	4.30E-06	8.09E-07	5.13E-06	7.92E-07	7.63E-07	1.18E-05
2820	490327.07	3859500.42	3.66E-02	3.73E-02	3.73E-02	1.27E-05	3.82E-05	2.21E-05	2.26E-05	2.05E-05	9.35E-06	9.33E-06	0.00E+00	0.00E+00	4.07E-06	7.67E-07	4.87E-06	7.50E-07	7.23E-07	1.12E-05
2821	490297.07	3859530.42	4.53E-02	4.62E-02	4.61E-02	1.57E-05	4.73E-05	2.74E-05	2.80E-05	2.53E-05	1.16E-05	1.15E-05	0.00E+00	0.00E+00	5.04E-06	9.49E-07	6.02E-06	9.29E-07	8.94E-07	1.38E-05
2822	490327.07	3859530.42	4.25E-02	4.34E-02	4.33E-02	1.47E-05	4.44E-05	2.57E-05	2.62E-05	2.38E-05	1.09E-05	1.08E-05	0.00E+00	0.00E+00	4.73E-06	8.90E-07	5.65E-06	8.71E-07	8.39E-07	1.30E-05
2823	490319.73	3859055.34	1.05E-02	1.08E-02	1.07E-02	3.65E-06	1.10E-05	6.38E-06	6.51E-06	5.90E-06	2.69E-06	2.69E-06	0.00E+00	0.00E+00	1.17E-06	2.21E-07	1.40E-06	2.16E-07	2.08E-07	3.22E-06
2824	490319.73	3859105.34	1.17E-02	1.19E-02	1.19E-02	4.05E-06	1.22E-05	7.07E-06	7.22E-06	6.54E-06	2.98E-06	2.98E-06	0.00E+00	0.00E+00	1.30E-06	2.45E-07	1.55E-06	2.40E-07	2.31E-07	3.57E-06
2825	490069.73	3859155.34	1.76E-02	1.80E-02	1.79E-02	6.09E-06	1.84E-05	1.07E-05	1.09E-05	9.85E-06	4.50E-06	4.49E-06	0.00E+00	0.00E+00	1.96E-06	3.69E-07	2.34E-06	3.61E-07	3.48E-07	5.38E-06
2826	490119.73	3859155.34	1.66E-02	1.69E-02	1.69E-02	5.74E-06	1.73E-05	1.00E-05	1.02E-05	9.28E-06	4.23E-06	4.23E-06	0.00E+00	0.00E+00	1.85E-06	3.47E-07	2.20E-06	3.40E-07	3.27E-07	5.06E-06
2827	490269.73	3859155.34	1.41E-02	1.44E-02	1.43E-02	4.87E-06	1.47E-05	8.52E-06	8.69E-06	7.88E-06	3.59E-06	3.59E-06	0.00E+00	0.00E+00	1.57E-06	2.95E-07	1.87E-06	2.89E-07	2.78E-07	4.30E-06
2828	490319.73	3859155.34	1.31E-02	1.34E-02	1.33E-02	4.53E-06	1.37E-05	7.93E-06	8.09E-06	7.33E-06	3.34E-06	3.34E-06	0.00E+00	0.00E+00	1.46E-06	2.74E-07	1.74E-06	2.69E-07	2.59E-07	4.00E-06
2829	490069.73	3859205.34	2.04E-02	2.09E-02	2.08E-02	7.08E-06	2.14E-05	1.24E-05	1.26E-05	1.14E-05	5.22E-06	5.22E-06	0.00E+00	0.00E+00	2.28E-06	4.29E-07	2.72E-06	4.19E-07	4.04E-07	6.25E-06
2830	490119.73	3859205.34	1.93E-02	1.97E-02	1.97E-02	6.69E-06	2.02E-05	1.17E-05	1.19E-05	1.08E-05	4.93E-06	4.93E-06	0.00E+00	0.00E+00	2.15E-06	4.05E-07	2.57E-06	3.96E-07	3.82E-07	5.90E-06
2831	490169.73	3859205.34	1.81E-02	1.85E-02	1.85E-02	6.28E-06	1.89E-05	1.10E-05	1.12E-05	1.01E-05	4.63E-06	4.62E-06	0.00E+00	0.00E+00	2.02E-06	3.80E-07	2.41E-06	3.72E-07	3.58E-07	5.54E-06
2832	490219.73	3859205.34	1.68E-02	1.72E-02	1.72E-02	5.83E-06	1.76E-05	1.02E-05	1.04E-05	9.43E-06	4.30E-06	4.30E-06	0.00E+00	0.00E+00	1.88E-06	3.53E-07	2.24E-06	3.45E-07	3.33E-07	5.15E-06
2833	490269.73	3859205.34	1.56E-02	1.59E-02	1.59E-02	5.38E-06	1.63E-05	9.41E-06	9.60E-06	8.70E-06	3.97E-06	3.97E-06	0.00E+00	0.00E+00	1.73E-06	3.26E-07	2.07E-06	3.19E-07	3.07E-07	4.75E-06
2834	490319.73	3859205.34	1.46E-02	1.49E-02	1.49E-02	5.05E-06	1.52E-05	8.83E-06	9.01E-06	8.16E-06	3.72E-06	3.72E-06	0.00E+00	0.00E+00	1.62E-06	3.06E-07	1.94E-06	2.99E-07	2.88E-07	4.46E-06
2835	490069.73	3859255.34	2.37E-02	2.42E-02	2.41E-02	8.20E-06	2.48E-05	1.43E-05	1.46E-05	1.33E-05	6.05E-06	6.04E-06	0.00E+00	0.00E+00	2.64E-06	4.97E-07	3.15E-06	4.86E-07	4.68E-07	7.24E-06
2836	490119.73	3859255.34	2.22E-02	2.26E-02	2.26E-02	7.67E-06	2.32E-05	1.34E-05	1.37E-05	1.24E-05	5.66E-06	5.66E-06	0.00E+00	0.00E+00	2.47E-06	4.65E-07	2.95E-06	4.55E-07	4.38E-07	6.77E-06
2837	490169.73	3859255.34	2.07E-02	2.11E-02	2.11E-02	7.17E-06	2.16E-05	1.25E-05	1.28E-05	1.16E-05	5.29E-06	5.28E-06	0.00E+00	0.00E+00	2.30E-06	4.34E-07	2.75E-06	4.25E-07	4.09E-07	6.33E-06
2838	490219.73	3859255.34	1.91E-02	1.95E-02	1.95E-02	6.62E-06	2.00E-05	1.16E-05	1.18E-05	1.07E-05	4.88E-06	4.88E-06	0.00E+00	0.00E+00	2.13E-06	4.01E-07	2.54E-06	3.92E-07	3.78E-07	5.84E-06
2839	490269.73	3859255.34	1.77E-02	1.80E-02	1.80E-02	6.12E-06	1.85E-05	1.07E-05	1.09E-05	9.90E-06	4.52E-06	4.51E-06	0.00E+00	0.00E+00	1.97E-06	3.71E-07	2.35E-06	3.63E-07	3.49E-07	5.40E-06
2840	490319.73	3859255.34	1.65E-02	1.68E-02	1.68E-02	5.71E-06	1.72E-05	9.98E-06	1.02E-05	9.23E-06	4.21E-06	4.21E-06	0.00E+00	0.00E+00	1.84E-06	3.46E-07	2.19E-06	3.38E-07	3.26E-07	5.04E-06
2841	490069.73	3859305.34	2.77E-02	2.83E-02	2.83E-02	9.60E-06	2.90E-05	1.68E-05	1.71E-05	1.55E-05	7.08E-06	7.07E-06	0.00E+00	0.00E+00	3.09E-06	5.81E-07	3.69E-06	5.69E-07	5.48E-07	8.47E-06
2842	490119.73	3859305.34	2.58E-02	2.63E-02	2.63E-02	8.92E-06	2.69E-05	1.56E-05	1.59E-05	1.44E-05	6.58E-06	6.57E-06	0.00E+00	0.00E+00	2.87E-06	5.40E-07	3.43E-06	5.29E-07	5.09E-07	7.87E-06
2843	490169.73	3859305.34	2.39E-02	2.44E-02	2.44E-02	8.27E-06	2.50E-05	1.45E-05	1.48E-05	1.34E-05	6.10E-06	6.09E-06	0.00E+00	0.00E+00	2.66E-06	5.01E-07	3.18E-06	4.90E-07	4.72E-07	7.30E-06
2844	490219.73	3859305.34	2.20E-02	2.25E-02	2.24E-02	7.62E-06	2.30E-05	1.33E-05	1.36E-05	1.23E-05	5.62E-06	5.62E-06	0.00E+00	0.00E+00	2.45E-06	4.61E-07	2.93E-06	4.51E-07	4.35E-07	6.73E-06
2845	490269.73	3859305.34	2.03E-02	2.07E-02	2.07E-02	7.03E-06	2.12E-05	1.23E-05	1.25E-05	1.14E-05	5.19E-06	5.18E-06	0.00E+00	0.00E+00	2.26E-06	4.26E-07	2.70E-06	4.17E-07	4.01E-07	6.21E-06
2846	490319.73	3859305.34	1.87E-02	1.91E-02	1.90E-02	6.47E-06	1.95E-05	1.13E-05	1.15E-05	1.05E-05	4.77E-06	4.77E-06	0.00E+00	0.00E+00	2.08E-06	3.92E-07	2.48E-06	3.83E-07	3.69E-07	5.71E-06
2847	490069.73	3859355.34	3.33E-02	3.40E-02	3.39E-02	1.15E-05	3.48E-05	2.01E-05	2.05E-05	1.86E-05	8.50E-06	8.49E-06	0.00E+00	0.00E+00	3.70E-06	6.97E-07	4.43E-06	6.82E-07	6.57E-07	1.02E-05
2848	490119.73	3859355.34	3.05E-02	3.12E-02	3.11E-02	1.06E-05	3.19E-05	1.85E-05	1.89E-05	1.71E-05	7.80E-06	7.79E-06	0.00E+00	0.00E+00	3.40E-06	6.40E-07	4.06E-06	6.26E-07	6.03E-07	9.33E-06
2849	490169.73	3859355.34	2.81E-02	2.86E-02	2.86E-02	9.71E-06	2.93E-05	1.70E-05	1.73E-05	1.57E-05	7.16E-06	7.16E-06	0.00E+00	0.00E+00	3.12E-06	5.88E-07	3.73E-06	5.75E-07	5.54E-07	8.57E-06

2850	490219.73	3859355.34	2.57E-02	2.62E-02	2.62E-02	8.89E-06	2.68E-05	1.55E-05	1.59E-05	1.44E-05	6.56E-06	6.55E-06	0.00E+00	0.00E+00	2.86E-06	5.38E-07	3.42E-06	5.27E-07	5.07E-07	7.85E-06
2851	490269.73	3859355.34	2.35E-02	2.40E-02	2.40E-02	8.15E-06	2.46E-05	1.42E-05	1.45E-05	1.32E-05	6.01E-06	6.01E-06	0.00E+00	0.00E+00	2.62E-06	4.94E-07	3.13E-06	4.83E-07	4.65E-07	7.19E-06
2852	490319.73	3859355.34	2.16E-02	2.21E-02	2.20E-02	7.49E-06	2.26E-05	1.31E-05	1.34E-05	1.21E-05	5.52E-06	5.52E-06	0.00E+00	0.00E+00	2.41E-06	4.53E-07	2.88E-06	4.44E-07	4.27E-07	6.61E-06
2853	490069.73	3859405.34	4.08E-02	4.17E-02	4.16E-02	1.41E-05	4.27E-05	2.47E-05	2.52E-05	2.29E-05	1.04E-05	1.04E-05	0.00E+00	0.00E+00	4.55E-06	8.56E-07	5.43E-06	8.37E-07	8.07E-07	1.25E-05
2854	490119.73	3859405.34	3.68E-02	3.75E-02	3.75E-02	1.27E-05	3.85E-05	2.23E-05	2.27E-05	2.06E-05	9.40E-06	9.39E-06	0.00E+00	0.00E+00	4.10E-06	7.71E-07	4.89E-06	7.55E-07	7.27E-07	1.12E-05
2855	490169.73	3859405.34	3.34E-02	3.41E-02	3.40E-02	1.16E-05	3.49E-05	2.02E-05	2.06E-05	1.87E-05	8.53E-06	8.52E-06	0.00E+00	0.00E+00	3.72E-06	7.00E-07	4.44E-06	6.85E-07	6.60E-07	1.02E-05
2856	490219.73	3859405.34	3.04E-02	3.11E-02	3.10E-02	1.05E-05	3.18E-05	1.84E-05	1.88E-05	1.70E-05	7.78E-06	7.77E-06	0.00E+00	0.00E+00	3.39E-06	6.38E-07	4.05E-06	6.24E-07	6.01E-07	9.30E-06
2857	490269.73	3859405.34	2.77E-02	2.83E-02	2.82E-02	9.59E-06	2.89E-05	1.68E-05	1.71E-05	1.55E-05	7.07E-06	7.06E-06	0.00E+00	0.00E+00	3.08E-06	5.80E-07	3.68E-06	5.68E-07	5.47E-07	8.46E-06
2858	490319.73	3859405.34	2.51E-02	2.57E-02	2.56E-02	8.70E-06	2.63E-05	1.52E-05	1.55E-05	1.41E-05	6.42E-06	6.41E-06	0.00E+00	0.00E+00	2.80E-06	5.27E-07	3.34E-06	5.16E-07	4.97E-07	7.68E-06
2859	490161.89	3859541.83	6.95E-02	7.09E-02	7.08E-02	2.41E-05	7.26E-05	4.20E-05	4.29E-05	3.89E-05	1.77E-05	1.77E-05	0.00E+00	0.00E+00	7.73E-06	1.46E-06	9.24E-06	1.42E-06	1.37E-06	2.12E-05
2860	490171.89	3859541.83	6.74E-02	6.88E-02	6.87E-02	2.33E-05	7.04E-05	4.08E-05	4.16E-05	3.77E-05	1.72E-05	1.72E-05	0.00E+00	0.00E+00	7.50E-06	1.41E-06	8.96E-06	1.38E-06	1.33E-06	2.06E-05
2861	490161.89	3859551.83	7.60E-02	7.76E-02	7.75E-02	2.63E-05	7.95E-05	4.60E-05	4.69E-05	4.25E-05	1.94E-05	1.94E-05	0.00E+00	0.00E+00	8.46E-06	1.59E-06	1.01E-05	1.56E-06	1.50E-06	2.32E-05
2862	490171.89	3859551.83	7.35E-02	7.50E-02	7.49E-02	2.54E-05	7.68E-05	4.45E-05	4.54E-05	4.11E-05	1.88E-05	1.87E-05	0.00E+00	0.00E+00	8.18E-06	1.54E-06	9.77E-06	1.51E-06	1.45E-06	2.24E-05
2863	489799.72	3859348.21	6.44E-02	6.57E-02	6.57E-02	2.23E-05	6.73E-05	3.90E-05	3.98E-05	3.61E-05	1.65E-05	1.64E-05	0.00E+00	0.00E+00	7.17E-06	1.35E-06	8.57E-06	1.32E-06	1.27E-06	1.97E-05
2864	489819.72	3859348.21	5.99E-02	6.11E-02	6.11E-02	2.07E-05	6.26E-05	3.62E-05	3.70E-05	3.35E-05	1.53E-05	1.53E-05	0.00E+00	0.00E+00	6.67E-06	1.26E-06	7.97E-06	1.23E-06	1.18E-06	1.83E-05
2865	489799.72	3859368.21	7.52E-02	7.67E-02	7.66E-02	2.60E-05	7.86E-05	4.55E-05	4.64E-05	4.21E-05	1.92E-05	1.92E-05	0.00E+00	0.00E+00	8.37E-06	1.58E-06	1.00E-05	1.54E-06	1.49E-06	2.30E-05
2866	489819.72	3859368.21	6.91E-02	7.05E-02	7.04E-02	2.39E-05	7.22E-05	4.18E-05	4.26E-05	3.86E-05	1.76E-05	1.76E-05	0.00E+00	0.00E+00	7.69E-06	1.45E-06	9.18E-06	1.42E-06	1.36E-06	2.11E-05
2867	489775.41	3859329.72	6.19E-02	6.32E-02	6.31E-02	2.14E-05	6.47E-05	3.75E-05	3.82E-05	3.47E-05	1.58E-05	1.58E-05	0.00E+00	0.00E+00	6.90E-06	1.30E-06	8.24E-06	1.27E-06	1.22E-06	1.89E-05
2868	489795.41	3859329.72	5.77E-02	5.89E-02	5.89E-02	2.00E-05	6.04E-05	3.49E-05	3.57E-05	3.23E-05	1.47E-05	1.47E-05	0.00E+00	0.00E+00	6.43E-06	1.21E-06	7.68E-06	1.18E-06	1.14E-06	1.76E-05
2869	489775.41	3859349.72	7.19E-02	7.33E-02	7.32E-02	2.49E-05	7.51E-05	4.35E-05	4.44E-05	4.02E-05	1.83E-05	1.83E-05	0.00E+00	0.00E+00	8.00E-06	1.51E-06	9.56E-06	1.47E-06	1.42E-06	2.20E-05
2870	489795.41	3859349.72	6.62E-02	6.76E-02	6.75E-02	2.29E-05	6.92E-05	4.01E-05	4.09E-05	3.71E-05	1.69E-05	1.69E-05	0.00E+00	0.00E+00	7.37E-06	1.39E-06	8.81E-06	1.36E-06	1.31E-06	2.02E-05
2871	489595.05	3859219.43	5.55E-02	5.66E-02	5.65E-02	1.92E-05	5.80E-05	3.36E-05	3.42E-05	3.10E-05	1.42E-05	1.41E-05	0.00E+00	0.00E+00	6.17E-06	1.16E-06	7.38E-06	1.14E-06	1.10E-06	1.69E-05
2872	489615.05	3859219.43	5.19E-02	5.30E-02	5.29E-02	1.80E-05	5.42E-05	3.14E-05	3.20E-05	2.90E-05	1.33E-05	1.32E-05	0.00E+00	0.00E+00	5.78E-06	1.09E-06	6.90E-06	1.06E-06	1.03E-06	1.59E-05
2873	489595.05	3859239.43	6.39E-02	6.52E-02	6.51E-02	2.21E-05	6.67E-05	3.86E-05	3.94E-05	3.57E-05	1.63E-05	1.63E-05	0.00E+00	0.00E+00	7.11E-06	1.34E-06	8.49E-06	1.31E-06	1.26E-06	1.95E-05
2874	489615.05	3859239.43	5.92E-02	6.04E-02	6.04E-02	2.05E-05	6.19E-05	3.58E-05	3.66E-05	3.31E-05	1.51E-05	1.51E-05	0.00E+00	0.00E+00	6.59E-06	1.24E-06	7.87E-06	1.21E-06	1.17E-06	1.81E-05
2875	489372.4	3859092.58	5.04E-02	5.14E-02	5.13E-02	1.74E-05	5.26E-05	3.05E-05	3.11E-05	2.82E-05	1.29E-05	1.28E-05	0.00E+00	0.00E+00	5.61E-06	1.06E-06	6.70E-06	1.03E-06	9.95E-07	1.54E-05
2876	489422.4	3859092.58	4.31E-02	4.39E-02	4.39E-02	1.49E-05	4.50E-05	2.61E-05	2.66E-05	2.41E-05	1.10E-05	1.10E-05	0.00E+00	0.00E+00	4.79E-06	9.02E-07	5.73E-06	8.83E-07	8.50E-07	1.32E-05
2877	489372.4	3859142.58	7.36E-02	7.51E-02	7.50E-02	2.55E-05	7.69E-05	4.45E-05	4.55E-05	4.12E-05	1.88E-05	1.88E-05	0.00E+00	0.00E+00	8.19E-06	1.54E-06	9.79E-06	1.51E-06	1.45E-06	2.25E-05
2878	489422.4	3859142.58	5.98E-02	6.10E-02	6.10E-02	2.07E-05	6.25E-05	3.62E-05	3.69E-05	3.35E-05	1.53E-05	1.53E-05	0.00E+00	0.00E+00	6.66E-06	1.25E-06	7.95E-06	1.23E-06	1.18E-06	1.83E-05
2879	488870.84	3858666.64	4.20E-03	4.29E-03	4.28E-03	1.45E-06	4.39E-06	2.54E-06	2.59E-06	2.35E-06	1.07E-06	1.07E-06	0.00E+00	0.00E+00	4.68E-07	8.80E-08	5.59E-07	8.62E-08	8.30E-08	1.28E-06
2880	488900.84	3858666.64	4.20E-03	4.29E-03	4.28E-03	1.45E-06	4.39E-06	2.54E-06	2.59E-06	2.35E-06	1.07E-06	1.07E-06	0.00E+00	0.00E+00	4.68E-07	8.81E-08	5.59E-07	8.62E-08	8.30E-08	1.28E-06
2881	488870.84	3858696.64	4.67E-03	4.77E-03	4.76E-03	1.62E-06	4.88E-06	2.83E-06	2.88E-06	2.61E-06	1.19E-06	1.19E-06	0.00E+00	0.00E+00	5.20E-07	9.79E-08	6.21E-07	9.58E-08	9.23E-08	1.43E-06
2882	488900.84	3858696.64	4.67E-03	4.77E-03	4.76E-03	1.62E-06	4.88E-06	2.83E-06	2.89E-06	2.62E-06	1.19E-06	1.19E-06	0.00E+00	0.00E+00	5.20E-07	9.79E-08	6.21E-07	9.58E-08	9.23E-08	1.43E-06
2883	488889.67	3858683.97	4.46E-03	4.55E-03	4.55E-03	1.54E-06	4.66E-06	2.70E-06	2.75E-06	2.50E-06	1.14E-06	1.14E-06	0.00E+00	0.00E+00	4.97E-07	9.35E-08	5.93E-07	9.15E-08	8.81E-08	1.36E-06
2884	488919.67	3858683.97	4.46E-03	4.55E-03	4.54E-03	1.54E-06	4.66E-06	2.70E-06	2.75E-06	2.50E-06	1.14E-06	1.14E-06	0.00E+00	0.00E+00	4.96E-07	9.34E-08	5.93E-07	9.14E-08	8.81E-08	1.36E-06
2885	488889.67	3858713.97	5.01E-03	5.11E-03	5.10E-03	1.73E-06	5.23E-06	3.03E-06	3.09E-06	2.80E-06	1.28E-06	1.28E-06	0.00E+00	0.00E+00	5.57E-07	1.05E-07	6.66E-07	1.03E-07	9.89E-08	1.53E-06
2886	488919.67	3858713.97	5.00E-03	5.11E-03	5.10E-03	1.73E-06	5.23E-06	3.03E-06	3.09E-06	2.80E-06	1.28E-06	1.28E-06	0.00E+00	0.00E+00	5.57E-07	1.05E-07	6.65E-07	1.03E-07	9.88E-08	1.53E-06
2887	488906.61	3858703.33	4.79E-03	4.89E-03	4.89E-03	1.66E-06	5.01E-06	2.90E-06	2.96E-06	2.68E-06	1.22E-06	1.22E-06	0.00E+00	0.00E+00	5.34E-07	1.00E-07	6.38E-07	9.83E-08	9.47E-08	1.46E-06
2888	488936.61	3858703.33	4.79E-03	4.89E-03	4.88E-03	1.66E-06	5.01E-06	2.90E-06	2.96E-06	2.68E-06	1.22E-06	1.22E-06	0.00E+00	0.00E+00	5.33E-07	1.00E-07	6.37E-07	9.82E-08	9.46E-08	1.46E-06
2889	488906.61	3858733.33	5.45E-03	5.56E-03	5.55E-03	1.89E-06	5.69E-06	3.30E-06	3.36E-06	3.05E-06	1.39E-06	1.39E-06	0.00E+00	0.00E+00	6.06E-07	1.14E-07	7.24E-07	1.12E-07	1.08E-07	1.66E-06
2890	488936.61	3858733.33	5.45E-03	5.56E-03	5.55E-03	1.89E-06	5.69E-06	3.30E-06	3.36E-06	3.05E-06	1.39E-06	1.39E-06	0.00E+00	0.00E+00	6.06E-07	1.14E-07	7.25E-07	1.12E-07	1.08E-07	1.66E-06
2891	488637.63	3858467.85	2.53E-03	2.58E-03	2.58E-03	8.75E-07	2.64E-06	1.53E-06	1.56E-06	1.41E-06	6.46E-07	6.45E-07	0.00E+00	0.00E+00	2.81E-07	5.30E-08	3.36E-07	5.18E-08	4.99E-08	7.72E-07
2892	488662.63	3858467.85	2.54E-03	2.59E-03	2.59E-03	8.79E-07	2.65E-06	1.54E-06	1.57E-06	1.42E-06	6.48E-07	6.48E-07	0.00E+00	0.00E+00	2.83E-07	5.32E-08	3.38E-07	5.21E-08	5.01E-08	7.76E-07
2893	488637.63	3858492.85	2.64E-03	2.69E-03	2.69E-03	9.13E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.73E-07	6.72E-07	0.00E+00	0.00E+00	2.93E-07	5.53E-08	3.51E-07	5.41E-08	5.21E-08	8.05E-07
2894	488662.63	3858492.85	2.65E-03	2.71E-03	2.70E-03	9.18E-07	2.77E-06	1.60E-06	1.64E-06	1.48E-06	6.77E-07	6.76E-07	0.00E+00	0.00E+00	2.95E-07	5.56E-08	3.53E-07	5.44E-08	5.24E-08	8.10E-07
2895	488687.63	3858492.85	2.66E-03	2.72E-03	2.71E-03	9.22E-07	2.78E-06	1.61E-06	1.64E-06	1.49E-06	6.80E-07	6.79E-07	0.00E+00	0.00E+00	2.96E-07	5.58E-08	3.54E-07	5.46E-08	5.26E-08	8.13E-07
2896	488637.63	3858517.85	2.75E-03	2.81E-03	2.81E-03	9.53E-07	2.88E-06	1.67E-06	1.70E-06	1.54E-06	7.03E-07	7.02E-07	0.00E+00	0.00E+00	3.07E-07	5.77E-08	3.66E-07	5.65E-08	5.44E-08	8.41E-07
2897	488662.63	3858517.85	2.77E-03	2.83E-03	2.83E-03	9.60E-07	2.90E-06	1.68E-06	1.71E-06	1.55E-06	7.08E-07	7.08E-07	0.00E+00	0.00E+00	3.09E-07	5.81E-08	3.69E-07	5.69E-08	5.48E-08	8.47E-07
2898	488687.63	3858517.85	2.79E-03	2.85E-03	2.84E-03	9.65E-07	2.92E-06	1.69E-06	1.72E-06	1.56E-06	7.12E-07	7.11E-07	0.00E+00	0.00E+00	3.10E-07	5.84E-08	3.71E-07	5.72E-08	5.51E-08	8.52E-07
2899	488194.42	3857168.98	9.63E-04	9.82E-04	9.81E-04	3.33E-07	1.01E-06	5.82E-07	5.94E-07	5.39E-07	2.46E-07	2.46E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.97E-08	1.90E-08	2.94E-07
2900	488244.42	3857168.98	9.67E-04	9.87E-04	9.86E-04	3.35E-07	1.01E-06	5.85E-07	5.97E-07	5.41E-07	2.47E-07	2.47E-07	0.00E+00	0.00E+00	1.08E-07	2.03E-08	1.29E-07	1.98E-08	1.91E-08	2.96E-07
2901	488294.42	3857168.98	9.70E-04	9.90E-04	9.88E-04	3.36E-07	1.01E-06	5.87E-07	5.99E-07	5.43E-07	2.48E-07	2.47E-07	0.00E+00	0.00E+00	1.08E-07	2.03E-08	1.29E-07	1.99E-08	1.92E-08	2.96E-07
2902	488244.42	3857218.98	9.75E-04	9.95E-04	9.94E-04	3.38E-07	1.02E-06	5.90E-07	6.02E-07	5.46E-07	2.49E-07	2.49E-07	0.00E+00	0.00E+00	1.09E-07	2.04E-08	1.30E-07	2.00E-08	1.93E-08	2.98E-07
2903	488294.42	3857218.98	9.79E-04	9.99E-04	9.98E-04	3.39E-07	1.02E-06	5.93E-07	6.05E-07	5.48E-07	2.50E-07	2.50E-07	0.00E+00	0.00E+00	1.09E-07	2.05E-08	1.30E-07	2.01E-08	1.93E-08	2.99E-07
2904	488294.42	3857268.98	9.91E-04	1.01E-03	1.01E-03	3.43E-07	1.04E-06	5.99E-07	6.12E-07	5.54E-07	2.53E-07	2.53E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.03E-08	1.96E-08	3.03E-07
2905	488139.13	3857111.68	9.51E-04	9.71E-04	9.69E-04	3.29E-07	9.94E-07	5.76E-07	5.87E-07	5.32E-07	2.43E-07	2.43E-07	0.00E+00	0.00E+00	1.06E-07	1.99E-08	1.26E-07	1.95E-08	1.88E-08	2.91E-07

2906	488189.13	3857111.68	9.56E-04	9.76E-04	9.75E-04	3.31E-07	1.00E-06	5.79E-07	5.91E-07	5.35E-07	2.44E-07	2.44E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.89E-08	2.92E-07
2907	488189.13	3857161.68	9.61E-04	9.81E-04	9.80E-04	3.33E-07	1.00E-06	5.82E-07	5.93E-07	5.38E-07	2.45E-07	2.45E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.28E-07	1.97E-08	1.90E-08	2.94E-07
2908	487951.04	3856961.26	9.28E-04	9.47E-04	9.46E-04	3.21E-07	9.70E-07	5.62E-07	5.73E-07	5.20E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.23E-07	1.90E-08	1.83E-08	2.84E-07
2909	488001.04	3856961.26	9.31E-04	9.50E-04	9.48E-04	3.22E-07	9.73E-07	5.63E-07	5.75E-07	5.21E-07	2.38E-07	2.37E-07	0.00E+00	0.00E+00	1.04E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.84E-07
2910	488051.04	3856961.26	9.29E-04	9.48E-04	9.47E-04	3.22E-07	9.71E-07	5.62E-07	5.74E-07	5.20E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.84E-07
2911	488101.04	3856961.26	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.76E-07	5.65E-07	5.77E-07	5.23E-07	2.39E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.84E-08	2.85E-07
2912	487951.04	3857011.26	9.35E-04	9.54E-04	9.53E-04	3.24E-07	9.77E-07	5.66E-07	5.77E-07	5.23E-07	2.39E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.85E-08	2.86E-07
2913	488001.04	3857011.26	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.77E-07	5.65E-07	5.77E-07	5.23E-07	2.39E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.85E-08	2.85E-07
2914	488051.04	3857011.26	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.76E-07	5.65E-07	5.77E-07	5.23E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07
2915	488101.04	3857011.26	9.39E-04	9.59E-04	9.57E-04	3.25E-07	9.82E-07	5.68E-07	5.80E-07	5.26E-07	2.40E-07	2.40E-07	0.00E+00	0.00E+00	1.05E-07	1.97E-08	1.25E-07	1.93E-08	1.86E-08	2.87E-07
2916	488001.04	3857061.26	9.40E-04	9.59E-04	9.58E-04	3.25E-07	9.82E-07	5.69E-07	5.80E-07	5.26E-07	2.40E-07	2.40E-07	0.00E+00	0.00E+00	1.05E-07	1.97E-08	1.25E-07	1.93E-08	1.86E-08	2.87E-07
2917	488051.04	3857061.26	9.42E-04	9.62E-04	9.60E-04	3.26E-07	9.85E-07	5.70E-07	5.82E-07	5.27E-07	2.41E-07	2.40E-07	0.00E+00	0.00E+00	1.05E-07	1.97E-08	1.25E-07	1.93E-08	1.86E-08	2.88E-07
2918	488101.04	3857061.26	9.46E-04	9.65E-04	9.64E-04	3.27E-07	9.88E-07	5.72E-07	5.84E-07	5.29E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.87E-08	2.89E-07
2919	487638.98	3856673.79	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.36E-07	5.42E-07	5.53E-07	5.01E-07	2.29E-07	2.28E-07	0.00E+00	0.00E+00	9.96E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.73E-07
2920	487688.98	3856673.79	8.98E-04	9.17E-04	9.16E-04	3.11E-07	9.39E-07	5.44E-07	5.55E-07	5.03E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	1.00E-07	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
2921	487638.98	3856723.79	8.97E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.43E-07	5.54E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.98E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
2922	487688.98	3856723.79	9.00E-04	9.18E-04	9.17E-04	3.11E-07	9.40E-07	5.44E-07	5.55E-07	5.04E-07	2.30E-07	2.29E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.84E-08	1.78E-08	2.75E-07
2923	486324.61	3855740.57	9.74E-04	9.94E-04	9.93E-04	3.37E-07	1.02E-06	5.89E-07	6.01E-07	5.45E-07	2.49E-07	2.48E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.30E-07	2.00E-08	1.92E-08	2.98E-07
2924	486374.61	3855740.57	9.61E-04	9.81E-04	9.80E-04	3.33E-07	1.00E-06	5.82E-07	5.94E-07	5.38E-07	2.46E-07	2.45E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.28E-07	1.97E-08	1.90E-08	2.94E-07
2925	486424.61	3855740.57	9.57E-04	9.77E-04	9.75E-04	3.31E-07	1.00E-06	5.79E-07	5.91E-07	5.36E-07	2.44E-07	2.44E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.27E-07	1.96E-08	1.89E-08	2.92E-07
2926	486324.61	3855790.57	9.64E-04	9.84E-04	9.83E-04	3.34E-07	1.01E-06	5.84E-07	5.95E-07	5.40E-07	2.46E-07	2.46E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.98E-08	1.90E-08	2.95E-07
2927	486374.61	3855790.57	9.53E-04	9.72E-04	9.71E-04	3.30E-07	9.96E-07	5.77E-07	5.88E-07	5.33E-07	2.43E-07	2.43E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.95E-08	1.88E-08	2.91E-07
2928	486424.61	3855790.57	9.51E-04	9.71E-04	9.69E-04	3.29E-07	9.94E-07	5.76E-07	5.87E-07	5.32E-07	2.43E-07	2.43E-07	0.00E+00	0.00E+00	1.06E-07	1.99E-08	1.26E-07	1.95E-08	1.88E-08	2.91E-07
2929	486324.61	3855840.57	9.55E-04	9.75E-04	9.74E-04	3.31E-07	9.98E-07	5.78E-07	5.90E-07	5.35E-07	2.44E-07	2.44E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.89E-08	2.92E-07
2930	486374.61	3855840.57	9.52E-04	9.71E-04	9.70E-04	3.29E-07	9.95E-07	5.76E-07	5.88E-07	5.33E-07	2.43E-07	2.43E-07	0.00E+00	0.00E+00	1.06E-07	1.99E-08	1.27E-07	1.95E-08	1.88E-08	2.91E-07
2931	486424.61	3855840.57	9.46E-04	9.65E-04	9.64E-04	3.28E-07	9.89E-07	5.72E-07	5.84E-07	5.30E-07	2.42E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.87E-08	2.89E-07
2932	486324.61	3855890.57	9.55E-04	9.74E-04	9.73E-04	3.30E-07	9.98E-07	5.78E-07	5.89E-07	5.34E-07	2.44E-07	2.44E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.89E-08	2.92E-07
2933	486374.61	3855890.57	9.50E-04	9.69E-04	9.68E-04	3.29E-07	9.93E-07	5.75E-07	5.86E-07	5.32E-07	2.43E-07	2.42E-07	0.00E+00	0.00E+00	1.06E-07	1.99E-08	1.26E-07	1.95E-08	1.88E-08	2.90E-07
2934	486424.61	3855890.57	9.43E-04	9.62E-04	9.61E-04	3.26E-07	9.86E-07	5.71E-07	5.82E-07	5.28E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.25E-07	1.93E-08	1.86E-08	2.88E-07
2935	488735.69	3858285.64	1.96E-03	2.00E-03	2.00E-03	6.80E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	5.02E-07	5.01E-07	0.00E+00	0.00E+00	2.19E-07	4.12E-08	2.61E-07	4.03E-08	3.88E-08	6.00E-07
2936	488765.69	3858285.64	1.97E-03	2.01E-03	2.01E-03	6.82E-07	2.06E-06	1.19E-06	1.22E-06	1.10E-06	5.03E-07	5.03E-07	0.00E+00	0.00E+00	2.19E-07	4.13E-08	2.62E-07	4.04E-08	3.89E-08	6.02E-07
2937	488735.69	3858315.64	2.04E-03	2.08E-03	2.08E-03	7.06E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.21E-07	5.20E-07	0.00E+00	0.00E+00	2.27E-07	4.27E-08	2.71E-07	4.18E-08	4.03E-08	6.23E-07
2938	488765.69	3858315.64	2.05E-03	2.09E-03	2.09E-03	7.08E-07	2.14E-06	1.24E-06	1.26E-06	1.15E-06	5.22E-07	5.22E-07	0.00E+00	0.00E+00	2.28E-07	4.29E-08	2.72E-07	4.20E-08	4.04E-08	6.25E-07
2939	478676.63	3849871.93	2.13E-02	2.17E-02	2.17E-02	7.36E-06	2.22E-05	1.29E-05	1.31E-05	1.19E-05	5.43E-06	5.42E-06	0.00E+00	0.00E+00	2.37E-06	4.46E-07	2.83E-06	4.36E-07	4.20E-07	6.50E-06
2940	479326.63	3849871.93	1.31E-02	1.34E-02	1.34E-02	4.54E-06	1.37E-05	7.93E-06	8.09E-06	7.33E-06	3.35E-06	3.34E-06	0.00E+00	0.00E+00	1.46E-06	2.75E-07	1.74E-06	2.69E-07	2.59E-07	4.00E-06
2941	479376.63	3849871.93	1.27E-02	1.30E-02	1.30E-02	4.40E-06	1.33E-05	7.70E-06	7.85E-06	7.12E-06	3.25E-06	3.24E-06	0.00E+00	0.00E+00	1.42E-06	2.67E-07	1.69E-06	2.61E-07	2.51E-07	3.89E-06
2942	479426.63	3849871.93	1.24E-02	1.27E-02	1.27E-02	4.31E-06	1.30E-05	7.53E-06	7.68E-06	6.96E-06	3.18E-06	3.17E-06	0.00E+00	0.00E+00	1.38E-06	2.61E-07	1.65E-06	2.55E-07	2.46E-07	3.80E-06
2943	478726.63	3849921.93	2.22E-02	2.27E-02	2.27E-02	7.70E-06	2.32E-05	1.35E-05	1.37E-05	1.24E-05	5.68E-06	5.67E-06	0.00E+00	0.00E+00	2.48E-06	4.66E-07	2.96E-06	4.56E-07	4.39E-07	6.80E-06
2944	478776.63	3849921.93	2.13E-02	2.17E-02	2.17E-02	7.38E-06	2.23E-05	1.29E-05	1.32E-05	1.19E-05	5.44E-06	5.43E-06	0.00E+00	0.00E+00	2.37E-06	4.46E-07	2.83E-06	4.37E-07	4.21E-07	6.51E-06
2945	478826.63	3849921.93	2.04E-02	2.08E-02	2.08E-02	7.07E-06	2.13E-05	1.24E-05	1.26E-05	1.14E-05	5.22E-06	5.21E-06	0.00E+00	0.00E+00	2.27E-06	4.28E-07	2.72E-06	4.19E-07	4.03E-07	6.24E-06
2946	478976.63	3849921.93	1.81E-02	1.85E-02	1.85E-02	6.27E-06	1.89E-05	1.10E-05	1.12E-05	1.01E-05	4.62E-06	4.62E-06	0.00E+00	0.00E+00	2.02E-06	3.79E-07	2.41E-06	3.71E-07	3.58E-07	5.53E-06
2947	479026.63	3849921.93	1.75E-02	1.79E-02	1.79E-02	6.07E-06	1.83E-05	1.06E-05	1.08E-05	9.82E-06	4.48E-06	4.47E-06	0.00E+00	0.00E+00	1.95E-06	3.68E-07	2.33E-06	3.60E-07	3.46E-07	5.36E-06
2948	479076.63	3849921.93	1.69E-02	1.73E-02	1.73E-02	5.86E-06	1.77E-05	1.02E-05	1.05E-05	9.48E-06	4.32E-06	4.32E-06	0.00E+00	0.00E+00	1.88E-06	3.55E-07	2.25E-06	3.47E-07	3.34E-07	5.17E-06
2949	479126.63	3849921.93	1.63E-02	1.67E-02	1.67E-02	5.66E-06	1.71E-05	9.89E-06	1.01E-05	9.14E-06	4.17E-06	4.17E-06	0.00E+00	0.00E+00	1.82E-06	3.42E-07	2.17E-06	3.35E-07	3.23E-07	4.99E-06
2950	479176.63	3849921.93	1.58E-02	1.62E-02	1.61E-02	5.48E-06	1.66E-05	9.58E-06	9.78E-06	8.86E-06	4.04E-06	4.04E-06	0.00E+00	0.00E+00	1.76E-06	3.32E-07	2.11E-06	3.25E-07	3.13E-07	4.84E-06
2951	479226.63	3849921.93	1.52E-02	1.55E-02	1.55E-02	5.26E-06	1.59E-05	9.19E-06	9.38E-06	8.50E-06	3.88E-06	3.87E-06	0.00E+00	0.00E+00	1.69E-06	3.18E-07	2.02E-06	3.11E-07	3.00E-07	4.64E-06
2952	479276.63	3849921.93	1.43E-02	1.46E-02	1.46E-02	4.96E-06	1.50E-05	8.67E-06	8.84E-06	8.02E-06	3.66E-06	3.65E-06	0.00E+00	0.00E+00	1.59E-06	3.00E-07	1.90E-06	2.94E-07	2.83E-07	4.38E-06
2953	479326.63	3849921.93	1.43E-02	1.46E-02	1.46E-02	4.95E-06	1.50E-05	8.66E-06	8.84E-06	8.01E-06	3.66E-06	3.65E-06	0.00E+00	0.00E+00	1.59E-06	3.00E-07	1.90E-06	2.94E-07	2.83E-07	4.37E-06
2954	479376.63	3849921.93	1.35E-02	1.38E-02	1.38E-02	4.68E-06	1.41E-05	8.19E-06	8.35E-06	7.57E-06	3.45E-06	3.45E-06	0.00E+00	0.00E+00	1.51E-06	2.84E-07	1.80E-06	2.77E-07	2.67E-07	4.13E-06
2955	479426.63	3849921.93	1.34E-02	1.37E-02	1.37E-02	4.64E-06	1.40E-05	8.11E-06	8.27E-06	7.50E-06	3.42E-06	3.42E-06	0.00E+00	0.00E+00	1.49E-06	2.81E-07	1.78E-06	2.75E-07	2.65E-07	4.09E-06
2956	478726.63	3849971.93	2.44E-02	2.49E-02	2.49E-02	8.45E-06	2.55E-05	1.48E-05	1.51E-05	1.37E-05	6.23E-06	6.23E-06	0.00E+00	0.00E+00	2.72E-06	5.12E-07	3.25E-06	5.01E-07	4.82E-07	7.46E-06
2957	478776.63	3849971.93	2.33E-02	2.38E-02	2.37E-02	8.06E-06	2.43E-05	1.41E-05	1.44E-05	1.30E-05	5.95E-06	5.94E-06	0.00E+00	0.00E+00	2.59E-06	4.88E-07	3.10E-06	4.78E-07	4.60E-07	7.12E-06
2958	478826.63	3849971.93	2.23E-02	2.27E-02	2.27E-02	7.70E-06	2.33E-05	1.35E-05	1.37E-05	1.25E-05	5.68E-06	5.68E-06	0.00E+00	0.00E+00	2.48E-06	4.66E-07	2.96E-06	4.56E-07	4.40E-07	6.80E-06
2959	478976.63	3849971.93	1.97E-02	2.01E-02	2.01E-02	6.82E-06	2.06E-05	1.19E-05	1.22E-05	1.10E-05	5.03E-06	5.02E-06	0.00E+00	0.00E+00	2.19E-06	4.13E-07	2.62E-06	4.04E-07	3.89E-07	6.02E-06
2960	479026.63	3849971.93	1.89E-02	1.93E-02	1.93E-02	6.54E-06	1.98E-05	1.14E-05	1.17E-05	1.06E-05	4.83E-06	4.82E-06	0.00E+00	0.00E+00	2.10E-06	3.96E-07	2.51E-06	3.88E-07	3.73E-07	5.78E-06
2961	479076.63	3849971.93	1.82E-02	1.85E-02	1.85E-02	6.29E-06	1.90E-05	1.10E-05	1.12E-05	1.02E-05	4.64E-06	4.64E-06	0.00E+00	0.00E+00	2.02E-06	3.81E-07	2.42E-06	3.73E-07	3.59E-07	5.55E-06

2962	479126.63	3849971.93	1.75E-02	1.79E-02	1.79E-02	6.06E-06	1.83E-05	1.06E-05	1.08E-05	9.80E-06	4.47E-06	4.47E-06	0.00E+00	0.00E+00	1.95E-06	3.67E-07	2.33E-06	3.59E-07	3.46E-07	5.35E-06
2963	479176.63	3849971.93	1.69E-02	1.73E-02	1.73E-02	5.86E-06	1.77E-05	1.02E-05	1.05E-05	9.47E-06	4.32E-06	4.32E-06	0.00E+00	0.00E+00	1.88E-06	3.55E-07	2.25E-06	3.47E-07	3.34E-07	5.17E-06
2964	479226.63	3849971.93	1.59E-02	1.62E-02	1.62E-02	5.49E-06	1.66E-05	9.59E-06	9.79E-06	8.87E-06	4.05E-06	4.04E-06	0.00E+00	0.00E+00	1.76E-06	3.32E-07	2.11E-06	3.25E-07	3.13E-07	4.84E-06
2965	479276.63	3849971.93	1.57E-02	1.60E-02	1.60E-02	5.42E-06	1.64E-05	9.48E-06	9.67E-06	8.77E-06	4.00E-06	4.00E-06	0.00E+00	0.00E+00	1.74E-06	3.28E-07	2.08E-06	3.21E-07	3.09E-07	4.79E-06
2966	479326.63	3849971.93	1.54E-02	1.57E-02	1.57E-02	5.32E-06	1.61E-05	9.30E-06	9.49E-06	8.61E-06	3.93E-06	3.92E-06	0.00E+00	0.00E+00	1.71E-06	3.22E-07	2.05E-06	3.15E-07	3.04E-07	4.70E-06
2967	479376.63	3849971.93	1.46E-02	1.49E-02	1.49E-02	5.06E-06	1.53E-05	8.84E-06	9.02E-06	8.18E-06	3.73E-06	3.73E-06	0.00E+00	0.00E+00	1.63E-06	3.06E-07	1.94E-06	3.00E-07	2.89E-07	4.46E-06
2968	479426.63	3849971.93	1.43E-02	1.46E-02	1.45E-02	4.94E-06	1.49E-05	8.64E-06	8.81E-06	7.99E-06	3.64E-06	3.64E-06	0.00E+00	0.00E+00	1.59E-06	2.99E-07	1.90E-06	2.93E-07	2.82E-07	4.36E-06
2969	478726.63	3850021.93	2.71E-02	2.76E-02	2.76E-02	9.37E-06	2.83E-05	1.64E-05	1.67E-05	1.51E-05	6.91E-06	6.90E-06	0.00E+00	0.00E+00	3.01E-06	5.67E-07	3.60E-06	5.55E-07	5.34E-07	8.27E-06
2970	478776.63	3850021.93	2.57E-02	2.62E-02	2.62E-02	8.89E-06	2.68E-05	1.55E-05	1.59E-05	1.44E-05	6.56E-06	6.55E-06	0.00E+00	0.00E+00	2.86E-06	5.38E-07	3.41E-06	5.26E-07	5.07E-07	7.84E-06
2971	478826.63	3850021.93	2.44E-02	2.49E-02	2.49E-02	8.46E-06	2.55E-05	1.48E-05	1.51E-05	1.37E-05	6.24E-06	6.23E-06	0.00E+00	0.00E+00	2.72E-06	5.12E-07	3.25E-06	5.01E-07	4.83E-07	7.47E-06
2972	478976.63	3850021.93	2.14E-02	2.18E-02	2.18E-02	7.40E-06	2.23E-05	1.29E-05	1.32E-05	1.20E-05	5.46E-06	5.45E-06	0.00E+00	0.00E+00	2.38E-06	4.48E-07	2.84E-06	4.38E-07	4.22E-07	6.53E-06
2973	478726.63	3850071.93	3.04E-02	3.10E-02	3.10E-02	1.05E-05	3.18E-05	1.84E-05	1.88E-05	1.70E-05	7.76E-06	7.75E-06	0.00E+00	0.00E+00	3.38E-06	6.37E-07	4.04E-06	6.23E-07	6.00E-07	9.28E-06
2974	478776.63	3850071.93	2.86E-02	2.92E-02	2.92E-02	9.91E-06	2.99E-05	1.73E-05	1.77E-05	1.60E-05	7.31E-06	7.31E-06	0.00E+00	0.00E+00	3.19E-06	6.00E-07	3.81E-06	5.87E-07	5.66E-07	8.75E-06
2975	478826.63	3850071.93	2.71E-02	2.77E-02	2.76E-02	9.39E-06	2.83E-05	1.64E-05	1.67E-05	1.52E-05	6.92E-06	6.92E-06	0.00E+00	0.00E+00	3.02E-06	5.68E-07	3.61E-06	5.56E-07	5.36E-07	8.28E-06
2976	478876.63	3850071.93	2.57E-02	2.63E-02	2.62E-02	8.91E-06	2.69E-05	1.56E-05	1.59E-05	1.44E-05	6.57E-06	6.57E-06	0.00E+00	0.00E+00	2.87E-06	5.39E-07	3.42E-06	5.28E-07	5.08E-07	7.86E-06
2977	478976.63	3850071.93	2.34E-02	2.39E-02	2.38E-02	8.10E-06	2.44E-05	1.42E-05	1.44E-05	1.31E-05	5.97E-06	5.97E-06	0.00E+00	0.00E+00	2.60E-06	4.90E-07	3.11E-06	4.80E-07	4.62E-07	7.15E-06
2978	478726.63	3850121.93	3.47E-02	3.54E-02	3.54E-02	1.20E-05	3.63E-05	2.10E-05	2.14E-05	1.94E-05	8.87E-06	8.86E-06	0.00E+00	0.00E+00	3.87E-06	7.28E-07	4.62E-06	7.12E-07	6.86E-07	1.06E-05
2979	478776.63	3850121.93	3.24E-02	3.31E-02	3.30E-02	1.12E-05	3.39E-05	1.96E-05	2.00E-05	1.81E-05	8.28E-06	8.27E-06	0.00E+00	0.00E+00	3.61E-06	6.79E-07	4.31E-06	6.65E-07	6.40E-07	9.90E-06
2980	478826.63	3850121.93	3.04E-02	3.11E-02	3.10E-02	1.05E-05	3.18E-05	1.84E-05	1.88E-05	1.70E-05	7.77E-06	7.76E-06	0.00E+00	0.00E+00	3.39E-06	6.38E-07	4.05E-06	6.24E-07	6.01E-07	9.30E-06
2981	478876.63	3850121.93	2.87E-02	2.93E-02	2.93E-02	9.94E-06	3.00E-05	1.74E-05	1.77E-05	1.61E-05	7.33E-06	7.32E-06	0.00E+00	0.00E+00	3.20E-06	6.02E-07	3.82E-06	5.89E-07	5.67E-07	8.77E-06
2982	478976.63	3850121.93	2.58E-02	2.63E-02	2.63E-02	8.93E-06	2.70E-05	1.56E-05	1.59E-05	1.44E-05	6.59E-06	6.58E-06	0.00E+00	0.00E+00	2.87E-06	5.40E-07	3.43E-06	5.29E-07	5.09E-07	7.88E-06
2983	479026.63	3850121.93	2.46E-02	2.51E-02	2.50E-02	8.50E-06	2.57E-05	1.49E-05	1.52E-05	1.37E-05	6.27E-06	6.26E-06	0.00E+00	0.00E+00	2.73E-06	5.15E-07	3.27E-06	5.04E-07	4.85E-07	7.50E-06
2984	479076.63	3850121.93	2.34E-02	2.39E-02	2.39E-02	8.11E-06	2.45E-05	1.42E-05	1.45E-05	1.31E-05	5.98E-06	5.98E-06	0.00E+00	0.00E+00	2.61E-06	4.91E-07	3.12E-06	4.81E-07	4.63E-07	7.16E-06
2985	479126.63	3850121.93	2.24E-02	2.28E-02	2.28E-02	7.75E-06	2.34E-05	1.35E-05	1.38E-05	1.25E-05	5.72E-06	5.71E-06	0.00E+00	0.00E+00	2.49E-06	4.69E-07	2.98E-06	4.59E-07	4.42E-07	6.84E-06
2986	478776.63	3850171.93	3.75E-02	3.83E-02	3.82E-02	1.30E-05	3.92E-05	2.27E-05	2.32E-05	2.10E-05	9.58E-06	9.57E-06	0.00E+00	0.00E+00	4.18E-06	7.86E-07	4.99E-06	7.69E-07	7.41E-07	1.15E-05
2987	478826.63	3850171.93	3.48E-02	3.56E-02	3.55E-02	1.21E-05	3.64E-05	2.11E-05	2.15E-05	1.95E-05	8.90E-06	8.89E-06	0.00E+00	0.00E+00	3.88E-06	7.30E-07	4.63E-06	7.14E-07	6.88E-07	1.06E-05
2988	478876.63	3850171.93	3.25E-02	3.32E-02	3.32E-02	1.13E-05	3.40E-05	1.97E-05	2.01E-05	1.82E-05	8.31E-06	8.30E-06	0.00E+00	0.00E+00	3.62E-06	6.82E-07	4.33E-06	6.67E-07	6.43E-07	9.94E-06
2989	478976.63	3850171.93	2.88E-02	2.94E-02	2.93E-02	9.97E-06	3.01E-05	1.74E-05	1.78E-05	1.61E-05	7.35E-06	7.34E-06	0.00E+00	0.00E+00	3.20E-06	6.03E-07	3.83E-06	5.90E-07	5.69E-07	8.80E-06
2990	479026.63	3850171.93	2.72E-02	2.78E-02	2.78E-02	9.43E-06	2.85E-05	1.65E-05	1.68E-05	1.52E-05	6.96E-06	6.95E-06	0.00E+00	0.00E+00	3.03E-06	5.71E-07	3.62E-06	5.59E-07	5.38E-07	8.32E-06
2991	479076.63	3850171.93	2.59E-02	2.64E-02	2.64E-02	8.96E-06	2.71E-05	1.57E-05	1.60E-05	1.45E-05	6.61E-06	6.60E-06	0.00E+00	0.00E+00	2.88E-06	5.42E-07	3.44E-06	5.31E-07	5.11E-07	7.91E-06
2992	479126.63	3850171.93	2.46E-02	2.51E-02	2.51E-02	8.52E-06	2.57E-05	1.49E-05	1.52E-05	1.38E-05	6.29E-06	6.28E-06	0.00E+00	0.00E+00	2.74E-06	5.16E-07	3.27E-06	5.05E-07	4.86E-07	7.52E-06
2993	479176.63	3850171.93	2.35E-02	2.40E-02	2.40E-02	8.14E-06	2.46E-05	1.42E-05	1.45E-05	1.32E-05	6.00E-06	6.00E-06	0.00E+00	0.00E+00	2.62E-06	4.93E-07	3.13E-06	4.82E-07	4.64E-07	7.18E-06
2994	479226.63	3850171.93	2.25E-02	2.30E-02	2.30E-02	7.81E-06	2.36E-05	1.36E-05	1.39E-05	1.26E-05	5.76E-06	5.75E-06	0.00E+00	0.00E+00	2.51E-06	4.73E-07	3.00E-06	4.62E-07	4.45E-07	6.89E-06
2995	479276.63	3850171.93	2.16E-02	2.21E-02	2.20E-02	7.48E-06	2.26E-05	1.31E-05	1.33E-05	1.21E-05	5.52E-06	5.51E-06	0.00E+00	0.00E+00	2.41E-06	4.53E-07	2.87E-06	4.43E-07	4.27E-07	6.60E-06
2996	479326.63	3850171.93	2.08E-02	2.12E-02	2.12E-02	7.20E-06	2.17E-05	1.26E-05	1.28E-05	1.16E-05	5.31E-06	5.30E-06	0.00E+00	0.00E+00	2.31E-06	4.36E-07	2.76E-06	4.26E-07	4.11E-07	6.35E-06
2997	479376.63	3850171.93	1.99E-02	2.03E-02	2.03E-02	6.90E-06	2.08E-05	1.21E-05	1.23E-05	1.12E-05	5.09E-06	5.09E-06	0.00E+00	0.00E+00	2.22E-06	4.18E-07	2.65E-06	4.09E-07	3.94E-07	6.09E-06
2998	478676.63	3850221.93	5.67E-02	5.79E-02	5.78E-02	1.96E-05	5.93E-05	3.43E-05	3.50E-05	3.18E-05	1.45E-05	1.45E-05	0.00E+00	0.00E+00	6.32E-06	1.19E-06	7.54E-06	1.16E-06	1.12E-06	1.73E-05
2999	478726.63	3850221.93	5.00E-02	5.10E-02	5.09E-02	1.73E-05	5.22E-05	3.02E-05	3.09E-05	2.80E-05	1.28E-05	1.28E-05	0.00E+00	0.00E+00	5.56E-06	1.05E-06	6.65E-06	1.03E-06	9.87E-07	1.53E-05
3000	478976.63	3850221.93	3.26E-02	3.33E-02	3.32E-02	1.13E-05	3.41E-05	1.97E-05	2.01E-05	1.83E-05	8.33E-06	8.32E-06	0.00E+00	0.00E+00	3.63E-06	6.83E-07	4.34E-06	6.69E-07	6.44E-07	9.96E-06
3001	479026.63	3850221.93	3.06E-02	3.12E-02	3.12E-02	1.06E-05	3.20E-05	1.85E-05	1.89E-05	1.71E-05	7.81E-06	7.80E-06	0.00E+00	0.00E+00	3.40E-06	6.41E-07	4.07E-06	6.27E-07	6.04E-07	9.35E-06
3002	479076.63	3850221.93	2.89E-02	2.95E-02	2.94E-02	1.00E-05	3.02E-05	1.75E-05	1.78E-05	1.62E-05	7.38E-06	7.37E-06	0.00E+00	0.00E+00	3.21E-06	6.05E-07	3.84E-06	5.92E-07	5.70E-07	8.82E-06
3003	479126.63	3850221.93	2.74E-02	2.79E-02	2.79E-02	9.47E-06	2.86E-05	1.66E-05	1.69E-05	1.53E-05	6.99E-06	6.98E-06	0.00E+00	0.00E+00	3.04E-06	5.73E-07	3.64E-06	5.61E-07	5.40E-07	8.36E-06
3004	479176.63	3850221.93	2.60E-02	2.65E-02	2.65E-02	8.98E-06	2.71E-05	1.57E-05	1.60E-05	1.45E-05	6.63E-06	6.62E-06	0.00E+00	0.00E+00	2.89E-06	5.44E-07	3.45E-06	5.32E-07	5.13E-07	7.93E-06
3005	479226.63	3850221.93	2.47E-02	2.52E-02	2.52E-02	8.55E-06	2.58E-05	1.49E-05	1.53E-05	1.38E-05	6.31E-06	6.30E-06	0.00E+00	0.00E+00	2.75E-06	5.18E-07	3.29E-06	5.07E-07	4.88E-07	7.55E-06
3006	479276.63	3850221.93	2.36E-02	2.40E-02	2.40E-02	8.16E-06	2.46E-05	1.43E-05	1.46E-05	1.32E-05	6.02E-06	6.01E-06	0.00E+00	0.00E+00	2.62E-06	4.94E-07	3.13E-06	4.83E-07	4.65E-07	7.20E-06
3007	479326.63	3850221.93	2.26E-02	2.31E-02	2.30E-02	7.83E-06	2.36E-05	1.37E-05	1.40E-05	1.27E-05	5.77E-06	5.77E-06	0.00E+00	0.00E+00	2.52E-06	4.74E-07	3.01E-06	4.64E-07	4.47E-07	6.91E-06
3008	479376.63	3850221.93	2.17E-02	2.21E-02	2.21E-02	7.51E-06	2.27E-05	1.31E-05	1.34E-05	1.21E-05	5.54E-06	5.53E-06	0.00E+00	0.00E+00	2.42E-06	4.55E-07	2.89E-06	4.45E-07	4.29E-07	6.63E-06
3009	478676.63	3850271.93	7.91E-02	8.08E-02	8.07E-02	2.74E-05	8.27E-05	4.79E-05	4.89E-05	4.43E-05	2.02E-05	2.02E-05	0.00E+00	0.00E+00	8.81E-06	1.66E-06	1.05E-05	1.62E-06	1.56E-06	2.42E-05
3010	478726.63	3850271.93	6.58E-02	6.72E-02	6.71E-02	2.28E-05	6.88E-05	3.98E-05	4.06E-05	3.68E-05	1.68E-05	1.68E-05	0.00E+00	0.00E+00	7.33E-06	1.38E-06	8.75E-06	1.35E-06	1.30E-06	2.01E-05
3011	478976.63	3850271.93	3.78E-02	3.86E-02	3.86E-02	1.31E-05	3.96E-05	2.29E-05	2.34E-05	2.12E-05	9.67E-06	9.65E-06	0.00E+00	0.00E+00	4.21E-06	7.93E-07	5.03E-06	7.76E-07	7.48E-07	1.16E-05
3012	479026.63	3850271.93	3.50E-02	3.57E-02	3.57E-02	1.21E-05	3.66E-05	2.12E-05	2.16E-05	1.96E-05	8.94E-06	8.93E-06	0.00E+00	0.00E+00	3.90E-06	7.34E-07	4.66E-06	7.18E-07	6.91E-07	1.07E-05
3013	479076.63	3850271.93	3.27E-02	3.34E-02	3.33E-02	1.13E-05	3.42E-05	1.98E-05	2.02E-05	1.83E-05	8.35E-06	8.34E-06	0.00E+00	0.00E+00	3.64E-06	6.85E-07	4.35E-06	6.70E-07	6.46E-07	9.99E-06
3014	479126.63	3850271.93	3.07E-02	3.13E-02	3.13E-02	1.06E-05	3.21E-05	1.86E-05	1.90E-05	1.72E-05	7.84E-06	7.83E-06	0.00E+00	0.00E+00	3.42E-06	6.43E-07	4.08E-06	6.29E-07	6.06E-07	9.38E-06
3015	479176.63	3850271.93	2.89E-02	2.95E-02	2.95E-02	1.00E-05	3.02E-05	1.75E-05	1.79E-05	1.62E-05	7.38E-06	7.38E-06	0.00E+00	0.00E+00	3.22E-06	6.06E-07	3.85E-06	5.93E-07	5.71E-07	8.83E-06
3016	479226.63	3850271.93	2.73E-02	2.79E-02	2.79E-02	9.46E-06	2.86E-05	1.65E-05	1.69E-05	1.53E-05	6.98E-06	6.97E-06	0.00E+00	0.00E+00	3.04E-06	5.73E-07	3.63E-06	5.60E-07	5.40E-07	8.35E-06
3017	479276.63	3850271.93	2.60E-02	2.65E-02	2.65E-02	8.99E-06	2.71E-05	1.57E-05	1.60E-05	1.45E-05	6.63E-06	6.62E-06	0.00E+00	0.00E+00	2.89E-06	5.44E-07	3.45E-06	5.33E-07	5.13E-07	7.93E-06

3018	479326.63	3850271.93	2.48E-02	2.53E-02	2.53E-02	8.59E-06	2.59E-05	1.50E-05	1.53E-05	1.39E-05	6.33E-06	6.33E-06	0.00E+00	0.00E+00	2.76E-06	5.20E-07	3.30E-06	5.09E-07	4.90E-07	7.58E-06
3019	479376.63	3850271.93	2.37E-02	2.42E-02	2.42E-02	8.21E-06	2.48E-05	1.43E-05	1.46E-05	1.33E-05	6.06E-06	6.05E-06	0.00E+00	0.00E+00	2.64E-06	4.97E-07	3.15E-06	4.86E-07	4.68E-07	7.25E-06
3020	479053.24	3850293.52	3.59E-02	3.66E-02	3.66E-02	1.24E-05	3.75E-05	2.17E-05	2.21E-05	2.01E-05	9.16E-06	9.15E-06	0.00E+00	0.00E+00	3.99E-06	7.52E-07	4.77E-06	7.36E-07	7.09E-07	1.10E-05
3021	479103.24	3850293.52	3.34E-02	3.41E-02	3.41E-02	1.16E-05	3.49E-05	2.02E-05	2.06E-05	1.87E-05	8.53E-06	8.52E-06	0.00E+00	0.00E+00	3.72E-06	7.00E-07	4.44E-06	6.85E-07	6.60E-07	1.02E-05
3022	479153.24	3850293.52	3.14E-02	3.20E-02	3.20E-02	1.09E-05	3.28E-05	1.90E-05	1.94E-05	1.76E-05	8.01E-06	8.00E-06	0.00E+00	0.00E+00	3.49E-06	6.57E-07	4.17E-06	6.43E-07	6.19E-07	9.58E-06
3023	479203.24	3850293.52	2.95E-02	3.01E-02	3.00E-02	1.02E-05	3.08E-05	1.78E-05	1.82E-05	1.65E-05	7.53E-06	7.52E-06	0.00E+00	0.00E+00	3.28E-06	6.18E-07	3.92E-06	6.04E-07	5.82E-07	9.00E-06
3024	479253.24	3850293.52	2.79E-02	2.84E-02	2.84E-02	9.64E-06	2.91E-05	1.69E-05	1.72E-05	1.56E-05	7.11E-06	7.11E-06	0.00E+00	0.00E+00	3.10E-06	5.84E-07	3.70E-06	5.71E-07	5.50E-07	8.51E-06
3025	479303.24	3850293.52	2.65E-02	2.70E-02	2.70E-02	9.17E-06	2.77E-05	1.60E-05	1.64E-05	1.48E-05	6.77E-06	6.76E-06	0.00E+00	0.00E+00	2.95E-06	5.55E-07	3.52E-06	5.43E-07	5.23E-07	8.09E-06
3026	479353.24	3850293.52	2.53E-02	2.58E-02	2.58E-02	8.75E-06	2.64E-05	1.53E-05	1.56E-05	1.41E-05	6.45E-06	6.45E-06	0.00E+00	0.00E+00	2.81E-06	5.30E-07	3.36E-06	5.18E-07	4.99E-07	7.72E-06
3027	479153.24	3850343.52	3.60E-02	3.67E-02	3.66E-02	1.24E-05	3.76E-05	2.18E-05	2.22E-05	2.01E-05	9.18E-06	9.17E-06	0.00E+00	0.00E+00	4.00E-06	7.54E-07	4.78E-06	7.37E-07	7.10E-07	1.10E-05
3028	479203.24	3850343.52	3.35E-02	3.41E-02	3.41E-02	1.16E-05	3.50E-05	2.02E-05	2.07E-05	1.87E-05	8.55E-06	8.54E-06	0.00E+00	0.00E+00	3.73E-06	7.01E-07	4.45E-06	6.86E-07	6.61E-07	1.02E-05
3029	479253.24	3850343.52	3.14E-02	3.21E-02	3.20E-02	1.09E-05	3.29E-05	1.90E-05	1.94E-05	1.76E-05	8.03E-06	8.02E-06	0.00E+00	0.00E+00	3.50E-06	6.59E-07	4.18E-06	6.45E-07	6.21E-07	9.61E-06
3030	479303.24	3850343.52	2.97E-02	3.03E-02	3.03E-02	1.03E-05	3.10E-05	1.80E-05	1.83E-05	1.66E-05	7.59E-06	7.58E-06	0.00E+00	0.00E+00	3.31E-06	6.22E-07	3.95E-06	6.09E-07	5.87E-07	9.07E-06
3031	479353.24	3850343.52	2.81E-02	2.87E-02	2.87E-02	9.74E-06	2.94E-05	1.70E-05	1.74E-05	1.57E-05	7.18E-06	7.18E-06	0.00E+00	0.00E+00	3.13E-06	5.90E-07	3.74E-06	5.77E-07	5.56E-07	8.59E-06
3032	479203.24	3850393.52	3.90E-02	3.98E-02	3.98E-02	1.35E-05	4.08E-05	2.36E-05	2.41E-05	2.19E-05	9.97E-06	9.96E-06	0.00E+00	0.00E+00	4.35E-06	8.18E-07	5.19E-06	8.01E-07	7.71E-07	1.19E-05
3033	479253.24	3850393.52	3.62E-02	3.70E-02	3.69E-02	1.25E-05	3.79E-05	2.19E-05	2.24E-05	2.03E-05	9.25E-06	9.24E-06	0.00E+00	0.00E+00	4.03E-06	7.59E-07	4.82E-06	7.43E-07	7.16E-07	1.11E-05
3034	479303.24	3850393.52	3.39E-02	3.46E-02	3.45E-02	1.17E-05	3.54E-05	2.05E-05	2.09E-05	1.90E-05	8.65E-06	8.64E-06	0.00E+00	0.00E+00	3.77E-06	7.10E-07	4.50E-06	6.95E-07	6.69E-07	1.03E-05
3035	479353.24	3850393.52	3.18E-02	3.25E-02	3.24E-02	1.10E-05	3.33E-05	1.93E-05	1.96E-05	1.78E-05	8.13E-06	8.12E-06	0.00E+00	0.00E+00	3.54E-06	6.67E-07	4.23E-06	6.52E-07	6.28E-07	9.72E-06
3036	479403.24	3850393.52	3.00E-02	3.06E-02	3.05E-02	1.04E-05	3.13E-05	1.81E-05	1.85E-05	1.68E-05	7.65E-06	7.64E-06	0.00E+00	0.00E+00	3.34E-06	6.28E-07	3.98E-06	6.14E-07	5.92E-07	9.15E-06
3037	479453.24	3850393.52	2.83E-02	2.89E-02	2.88E-02	9.79E-06	2.96E-05	1.71E-05	1.75E-05	1.58E-05	7.22E-06	7.22E-06	0.00E+00	0.00E+00	3.15E-06	5.93E-07	3.76E-06	5.80E-07	5.59E-07	8.64E-06
3038	479503.24	3850393.52	2.67E-02	2.72E-02	2.72E-02	9.23E-06	2.79E-05	1.61E-05	1.65E-05	1.49E-05	6.81E-06	6.80E-06	0.00E+00	0.00E+00	2.97E-06	5.59E-07	3.55E-06	5.47E-07	5.27E-07	8.15E-06
3039	479303.24	3850443.52	3.97E-02	4.06E-02	4.05E-02	1.38E-05	4.15E-05	2.40E-05	2.45E-05	2.22E-05	1.01E-05	1.01E-05	0.00E+00	0.00E+00	4.42E-06	8.33E-07	5.28E-06	8.15E-07	7.85E-07	1.21E-05
3040	479353.24	3850443.52	3.69E-02	3.76E-02	3.76E-02	1.28E-05	3.85E-05	2.23E-05	2.28E-05	2.06E-05	9.41E-06	9.40E-06	0.00E+00	0.00E+00	4.10E-06	7.72E-07	4.90E-06	7.56E-07	7.28E-07	1.13E-05
3041	479403.24	3850443.52	3.43E-02	3.50E-02	3.50E-02	1.19E-05	3.59E-05	2.08E-05	2.12E-05	1.92E-05	8.76E-06	8.75E-06	0.00E+00	0.00E+00	3.82E-06	7.19E-07	4.56E-06	7.04E-07	6.78E-07	1.05E-05
3042	479453.24	3850443.52	3.20E-02	3.27E-02	3.27E-02	1.11E-05	3.35E-05	1.94E-05	1.98E-05	1.79E-05	8.18E-06	8.17E-06	0.00E+00	0.00E+00	3.57E-06	6.71E-07	4.26E-06	6.57E-07	6.33E-07	9.79E-06
3043	479503.24	3850443.52	2.99E-02	3.05E-02	3.05E-02	1.04E-05	3.13E-05	1.81E-05	1.85E-05	1.67E-05	7.64E-06	7.63E-06	0.00E+00	0.00E+00	3.33E-06	6.27E-07	3.98E-06	6.14E-07	5.91E-07	9.14E-06
3044	480327.18	3850987.04	4.77E-02	4.86E-02	4.86E-02	1.65E-05	4.98E-05	2.88E-05	2.94E-05	2.67E-05	1.22E-05	1.22E-05	0.00E+00	0.00E+00	5.31E-06	9.99E-07	6.34E-06	9.78E-07	9.41E-07	1.46E-05
3045	480377.18	3850987.04	4.34E-02	4.43E-02	4.42E-02	1.50E-05	4.54E-05	2.63E-05	2.68E-05	2.43E-05	1.11E-05	1.11E-05	0.00E+00	0.00E+00	4.83E-06	9.10E-07	5.77E-06	8.90E-07	8.57E-07	1.33E-05
3046	480427.18	3850987.04	3.98E-02	4.06E-02	4.06E-02	1.38E-05	4.16E-05	2.41E-05	2.46E-05	2.23E-05	1.02E-05	1.02E-05	0.00E+00	0.00E+00	4.43E-06	8.34E-07	5.29E-06	8.17E-07	7.86E-07	1.22E-05
3047	480477.18	3850987.04	3.67E-02	3.74E-02	3.74E-02	1.27E-05	3.84E-05	2.22E-05	2.27E-05	2.05E-05	9.37E-06	9.36E-06	0.00E+00	0.00E+00	4.08E-06	7.69E-07	4.88E-06	7.52E-07	7.25E-07	1.12E-05
3048	480327.18	3851037.04	6.14E-02	6.27E-02	6.26E-02	2.13E-05	6.42E-05	3.72E-05	3.79E-05	3.44E-05	1.57E-05	1.57E-05	0.00E+00	0.00E+00	6.84E-06	1.29E-06	8.17E-06	1.26E-06	1.21E-06	1.88E-05
3049	480377.18	3851037.04	5.43E-02	5.54E-02	5.54E-02	1.88E-05	5.68E-05	3.29E-05	3.35E-05	3.04E-05	1.39E-05	1.39E-05	0.00E+00	0.00E+00	6.05E-06	1.14E-06	7.22E-06	1.11E-06	1.07E-06	1.66E-05
3050	480427.18	3851037.04	4.86E-02	4.96E-02	4.95E-02	1.68E-05	5.08E-05	2.94E-05	3.00E-05	2.72E-05	1.24E-05	1.24E-05	0.00E+00	0.00E+00	5.41E-06	1.02E-06	6.46E-06	9.97E-07	9.60E-07	1.48E-05
3051	480477.18	3851037.04	4.39E-02	4.48E-02	4.47E-02	1.52E-05	4.59E-05	2.66E-05	2.71E-05	2.46E-05	1.12E-05	1.12E-05	0.00E+00	0.00E+00	4.89E-06	9.20E-07	5.84E-06	9.00E-07	8.67E-07	1.34E-05
3052	480622.06	3851087.39	4.06E-02	4.15E-02	4.14E-02	1.41E-05	4.25E-05	2.46E-05	2.51E-05	2.27E-05	1.04E-05	1.04E-05	0.00E+00	0.00E+00	4.52E-06	8.52E-07	5.40E-06	8.33E-07	8.03E-07	1.24E-05
3053	480672.06	3851087.39	3.74E-02	3.81E-02	3.81E-02	1.29E-05	3.90E-05	2.26E-05	2.31E-05	2.09E-05	9.54E-06	9.53E-06	0.00E+00	0.00E+00	4.16E-06	7.83E-07	4.97E-06	7.66E-07	7.38E-07	1.14E-05
3054	480622.06	3851137.39	5.01E-02	5.11E-02	5.10E-02	1.73E-05	5.23E-05	3.03E-05	3.09E-05	2.80E-05	1.28E-05	1.28E-05	0.00E+00	0.00E+00	5.57E-06	1.05E-06	6.66E-06	1.03E-06	9.89E-07	1.53E-05
3055	480672.06	3851137.39	4.50E-02	4.59E-02	4.58E-02	1.56E-05	4.70E-05	2.72E-05	2.78E-05	2.52E-05	1.15E-05	1.15E-05	0.00E+00	0.00E+00	5.01E-06	9.43E-07	5.98E-06	9.22E-07	8.88E-07	1.37E-05
3056	480722.06	3851137.39	4.10E-02	4.18E-02	4.18E-02	1.42E-05	4.28E-05	2.48E-05	2.53E-05	2.29E-05	1.05E-05	1.04E-05	0.00E+00	0.00E+00	4.56E-06	8.59E-07	5.45E-06	8.40E-07	8.09E-07	1.25E-05
3057	480622.06	3851187.39	6.61E-02	6.74E-02	6.74E-02	2.29E-05	6.91E-05	4.00E-05	4.08E-05	3.70E-05	1.69E-05	1.69E-05	0.00E+00	0.00E+00	7.36E-06	1.39E-06	8.79E-06	1.36E-06	1.31E-06	2.02E-05
3058	480672.06	3851187.39	5.71E-02	5.83E-02	5.82E-02	1.98E-05	5.97E-05	3.46E-05	3.53E-05	3.20E-05	1.46E-05	1.46E-05	0.00E+00	0.00E+00	6.36E-06	1.20E-06	7.60E-06	1.17E-06	1.13E-06	1.75E-05
3059	480722.06	3851187.39	5.05E-02	5.16E-02	5.15E-02	1.75E-05	5.28E-05	3.06E-05	3.12E-05	2.83E-05	1.29E-05	1.29E-05	0.00E+00	0.00E+00	5.62E-06	1.06E-06	6.72E-06	1.04E-06	9.98E-07	1.54E-05
3060	471363.09	3845877.25	2.60E-04	2.65E-04	2.65E-04	9.00E-08	2.72E-07	1.57E-07	1.60E-07	1.45E-07	6.64E-08	6.63E-08	0.00E+00	0.00E+00	2.89E-08	5.45E-09	3.46E-08	5.33E-09	5.13E-09	7.94E-08
3061	471863.09	3845877.25	2.52E-04	2.57E-04	2.56E-04	8.71E-08	2.63E-07	1.52E-07	1.55E-07	1.41E-07	6.43E-08	6.42E-08	0.00E+00	0.00E+00	2.80E-08	5.27E-09	3.35E-08	5.16E-09	4.97E-09	7.69E-08
3062	472363.09	3845877.25	3.26E-04	3.33E-04	3.32E-04	1.13E-07	3.41E-07	1.97E-07	2.01E-07	1.82E-07	8.32E-08	8.31E-08	0.00E+00	0.00E+00	3.63E-08	6.83E-09	4.33E-08	6.68E-09	6.44E-09	9.96E-08
3063	472863.09	3845877.25	2.45E-04	2.50E-04	2.50E-04	8.50E-08	2.57E-07	1.49E-07	1.52E-07	1.37E-07	6.27E-08	6.26E-08	0.00E+00	0.00E+00	2.73E-08	5.14E-09	3.26E-08	5.03E-09	4.85E-09	7.50E-08
3064	473363.09	3845877.25	2.58E-04	2.63E-04	2.63E-04	8.93E-08	2.69E-07	1.56E-07	1.59E-07	1.44E-07	6.58E-08	6.58E-08	0.00E+00	0.00E+00	2.87E-08	5.40E-09	3.43E-08	5.29E-09	5.09E-09	7.88E-08
3065	473863.09	3845877.25	2.70E-04	2.75E-04	2.75E-04	9.34E-08	2.82E-07	1.63E-07	1.67E-07	1.51E-07	6.89E-08	6.88E-08	0.00E+00	0.00E+00	3.00E-08	5.66E-09	3.59E-08	5.54E-09	5.33E-09	8.25E-08
3066	474363.09	3845877.25	3.14E-04	3.21E-04	3.20E-04	1.09E-07	3.28E-07	1.90E-07	1.94E-07	1.76E-07	8.02E-08	8.01E-08	0.00E+00	0.00E+00	3.50E-08	6.58E-09	4.18E-08	6.44E-09	6.20E-09	9.60E-08
3067	474863.09	3845877.25	3.66E-04	3.73E-04	3.73E-04	1.27E-07	3.82E-07	2.21E-07	2.26E-07	2.05E-07	9.34E-08	9.33E-08	0.00E+00	0.00E+00	4.07E-08	7.66E-09	4.86E-08	7.50E-09	7.22E-09	1.12E-07
3068	475363.09	3845877.25	4.23E-04	4.31E-04	4.31E-04	1.46E-07	4.42E-07	2.56E-07	2.61E-07	2.37E-07	1.08E-07	1.08E-07	0.00E+00	0.00E+00	4.71E-08	8.86E-09	5.62E-08	8.67E-09	8.35E-09	1.29E-07
3069	475863.09	3845877.25	4.36E-04	4.45E-04	4.44E-04	1.51E-07	4.56E-07	2.64E-07	2.69E-07	2.44E-07	1.11E-07	1.11E-07	0.00E+00	0.00E+00	4.85E-08	9.13E-09	5.80E-08	8.94E-09	8.61E-09	1.33E-07
3070	476363.09	3845877.25	4.08E-04	4.16E-04	4.16E-04	1.41E-07	4.27E-07	2.47E-07	2.52E-07	2.28E-07	1.04E-07	1.04E-07	0.00E+00	0.00E+00	4.54E-08	8.55E-09	5.43E-08	8.37E-09	8.06E-09	1.25E-07
3071	476863.09	3845877.25	3.81E-04	3.88E-04	3.88E-04	1.32E-07	3.98E-07	2.30E-07	2.35E-07	2.13E-07	9.72E-08	9.71E-08	0.00E+00	0.00E+00	4.24E-08	7.98E-09	5.06E-08	7.81E-09	7.52E-09	1.16E-07
3072	477363.09	3845877.25	3.80E-04	3.88E-04	3.87E-04	1.31E-07	3.97E-07	2.30E-07	2.35E-07	2.13E-07	9.70E-08	9.69E-08	0.00E+00	0.00E+00	4.23E-08	7.96E-09	5.05E-08	7.79E-09	7.50E-09	1.16E-07
3073	477863.09	3845877.25	3.60E-04	3.68E-04	3.67E-04	1.25E-07	3.77E-07	2.18E-07	2.23E-07	2.02E-07	9.20E-08	9.19E-08	0.00E+00	0.00E+00	4.01E-08	7.55E-09	4.79E-08	7.39E-09	7.12E-09	1.10E-07

3074	478363.09	3845877.25	3.69E-04	3.76E-04	3.76E-04	1.28E-07	3.85E-07	2.23E-07	2.28E-07	2.06E-07	9.41E-08	9.40E-08	0.00E+00	0.00E+00	4.10E-08	7.73E-09	4.90E-08	7.56E-09	7.28E-09	1.13E-07
3075	478863.09	3845877.25	3.75E-04	3.83E-04	3.83E-04	1.30E-07	3.92E-07	2.27E-07	2.32E-07	2.10E-07	9.59E-08	9.58E-08	0.00E+00	0.00E+00	4.18E-08	7.87E-09	4.99E-08	7.70E-09	7.41E-09	1.15E-07
3076	479363.09	3845877.25	4.00E-04	4.08E-04	4.08E-04	1.39E-07	4.18E-07	2.42E-07	2.47E-07	2.24E-07	1.02E-07	1.02E-07	0.00E+00	0.00E+00	4.45E-08	8.39E-09	5.32E-08	8.21E-09	7.90E-09	1.22E-07
3077	479863.09	3845877.25	4.03E-04	4.11E-04	4.10E-04	1.39E-07	4.21E-07	2.44E-07	2.49E-07	2.25E-07	1.03E-07	1.03E-07	0.00E+00	0.00E+00	4.48E-08	8.44E-09	5.35E-08	8.25E-09	7.95E-09	1.23E-07
3078	480363.09	3845877.25	3.74E-04	3.81E-04	3.81E-04	1.29E-07	3.91E-07	2.26E-07	2.31E-07	2.09E-07	9.54E-08	9.53E-08	0.00E+00	0.00E+00	4.16E-08	7.83E-09	4.97E-08	7.66E-09	7.38E-09	1.14E-07
3079	480863.09	3845877.25	3.67E-04	3.75E-04	3.74E-04	1.27E-07	3.84E-07	2.22E-07	2.27E-07	2.05E-07	9.38E-08	9.37E-08	0.00E+00	0.00E+00	4.09E-08	7.69E-09	4.88E-08	7.53E-09	7.25E-09	1.12E-07
3080	481363.09	3845877.25	3.64E-04	3.71E-04	3.71E-04	1.26E-07	3.80E-07	2.20E-07	2.25E-07	2.04E-07	9.29E-08	9.28E-08	0.00E+00	0.00E+00	4.05E-08	7.62E-09	4.84E-08	7.46E-09	7.18E-09	1.11E-07
3081	481863.09	3845877.25	3.49E-04	3.56E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.15E-07	1.95E-07	8.91E-08	8.90E-08	0.00E+00	0.00E+00	3.88E-08	7.31E-09	4.64E-08	7.15E-09	6.89E-09	1.07E-07
3082	482363.09	3845877.25	3.28E-04	3.35E-04	3.35E-04	1.14E-07	3.43E-07	1.99E-07	2.03E-07	1.84E-07	8.38E-08	8.37E-08	0.00E+00	0.00E+00	3.65E-08	6.88E-09	4.37E-08	6.73E-09	6.48E-09	1.00E-07
3083	482863.09	3845877.25	2.65E-04	2.71E-04	2.70E-04	9.18E-08	2.77E-07	1.60E-07	1.64E-07	1.48E-07	6.77E-08	6.76E-08	0.00E+00	0.00E+00	2.95E-08	5.56E-09	3.53E-08	5.44E-09	5.24E-09	8.10E-08
3084	483363.09	3845877.25	2.40E-04	2.45E-04	2.44E-04	8.30E-08	2.51E-07	1.45E-07	1.48E-07	1.34E-07	6.13E-08	6.12E-08	0.00E+00	0.00E+00	2.67E-08	5.03E-09	3.19E-08	4.92E-09	4.74E-09	7.33E-08
3085	483863.09	3845877.25	3.04E-04	3.11E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.77E-08	7.76E-08	0.00E+00	0.00E+00	3.39E-08	6.38E-09	4.05E-08	6.24E-09	6.01E-09	9.30E-08
3086	484363.09	3845877.25	3.10E-04	3.16E-04	3.16E-04	1.07E-07	3.24E-07	1.88E-07	1.91E-07	1.73E-07	7.92E-08	7.91E-08	0.00E+00	0.00E+00	3.45E-08	6.50E-09	4.12E-08	6.36E-09	6.12E-09	9.47E-08
3087	484863.09	3845877.25	3.04E-04	3.10E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.77E-08	7.76E-08	0.00E+00	0.00E+00	3.38E-08	6.37E-09	4.04E-08	6.24E-09	6.01E-09	9.29E-08
3088	485363.09	3845877.25	2.91E-04	2.97E-04	2.97E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.43E-08	7.43E-08	0.00E+00	0.00E+00	3.24E-08	6.10E-09	3.87E-08	5.97E-09	5.75E-09	8.89E-08
3089	485863.09	3845877.25	3.01E-04	3.07E-04	3.06E-04	1.04E-07	3.14E-07	1.82E-07	1.86E-07	1.68E-07	7.68E-08	7.67E-08	0.00E+00	0.00E+00	3.35E-08	6.30E-09	4.00E-08	6.16E-09	5.94E-09	9.18E-08
3090	486363.09	3845877.25	2.97E-04	3.03E-04	3.03E-04	1.03E-07	3.11E-07	1.80E-07	1.84E-07	1.66E-07	7.59E-08	7.58E-08	0.00E+00	0.00E+00	3.31E-08	6.23E-09	3.95E-08	6.10E-09	5.87E-09	9.08E-08
3091	486863.09	3845877.25	2.78E-04	2.83E-04	2.83E-04	9.61E-08	2.90E-07	1.68E-07	1.71E-07	1.55E-07	7.09E-08	7.08E-08	0.00E+00	0.00E+00	3.09E-08	5.82E-09	3.69E-08	5.69E-09	5.48E-09	8.48E-08
3092	487363.09	3845877.25	2.74E-04	2.80E-04	2.80E-04	9.50E-08	2.87E-07	1.66E-07	1.69E-07	1.54E-07	7.01E-08	7.00E-08	0.00E+00	0.00E+00	3.05E-08	5.75E-09	3.65E-08	5.63E-09	5.42E-09	8.38E-08
3093	487863.09	3845877.25	2.56E-04	2.62E-04	2.61E-04	8.87E-08	2.68E-07	1.55E-07	1.58E-07	1.43E-07	6.55E-08	6.54E-08	0.00E+00	0.00E+00	2.85E-08	5.37E-09	3.41E-08	5.26E-09	5.06E-09	7.83E-08
3094	488363.09	3845877.25	2.49E-04	2.54E-04	2.54E-04	8.62E-08	2.60E-07	1.51E-07	1.54E-07	1.39E-07	6.36E-08	6.35E-08	0.00E+00	0.00E+00	2.77E-08	5.22E-09	3.31E-08	5.11E-09	4.92E-09	7.61E-08
3095	488863.09	3845877.25	2.88E-04	2.93E-04	2.93E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.61E-07	7.34E-08	7.34E-08	0.00E+00	0.00E+00	3.20E-08	6.03E-09	3.82E-08	5.90E-09	5.68E-09	8.79E-08
3096	489363.09	3845877.25	2.86E-04	2.92E-04	2.92E-04	9.90E-08	2.99E-07	1.73E-07	1.77E-07	1.60E-07	7.31E-08	7.30E-08	0.00E+00	0.00E+00	3.18E-08	6.00E-09	3.80E-08	5.87E-09	5.65E-09	8.74E-08
3097	489863.09	3845877.25	2.67E-04	2.72E-04	2.72E-04	9.23E-08	2.79E-07	1.61E-07	1.65E-07	1.49E-07	6.81E-08	6.80E-08	0.00E+00	0.00E+00	2.97E-08	5.59E-09	3.55E-08	5.47E-09	5.27E-09	8.15E-08
3098	490363.09	3845877.25	2.40E-04	2.45E-04	2.44E-04	8.30E-08	2.51E-07	1.45E-07	1.48E-07	1.34E-07	6.13E-08	6.12E-08	0.00E+00	0.00E+00	2.67E-08	5.03E-09	3.19E-08	4.92E-09	4.74E-09	7.33E-08
3099	490863.09	3845877.25	1.93E-04	1.97E-04	1.96E-04	6.67E-08	2.01E-07	1.17E-07	1.19E-07	1.08E-07	4.92E-08	4.92E-08	0.00E+00	0.00E+00	2.15E-08	4.04E-09	2.56E-08	3.95E-09	3.81E-09	5.89E-08
3100	491363.09	3845877.25	2.17E-04	2.21E-04	2.21E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.21E-07	5.54E-08	5.53E-08	0.00E+00	0.00E+00	2.41E-08	4.55E-09	2.88E-08	4.45E-09	4.28E-09	6.63E-08
3101	491863.09	3845877.25	2.31E-04	2.36E-04	2.35E-04	8.00E-08	2.41E-07	1.40E-07	1.43E-07	1.29E-07	5.90E-08	5.89E-08	0.00E+00	0.00E+00	2.57E-08	4.84E-09	3.07E-08	4.74E-09	4.56E-09	7.06E-08
3102	492363.09	3845877.25	1.96E-04	2.00E-04	2.00E-04	6.79E-08	2.05E-07	1.19E-07	1.21E-07	1.10E-07	5.01E-08	5.01E-08	0.00E+00	0.00E+00	2.18E-08	4.11E-09	2.61E-08	4.02E-09	3.88E-09	6.00E-08
3103	492863.09	3845877.25	2.39E-04	2.44E-04	2.43E-04	8.26E-08	2.49E-07	1.44E-07	1.47E-07	1.34E-07	6.10E-08	6.09E-08	0.00E+00	0.00E+00	2.66E-08	5.00E-09	3.17E-08	4.89E-09	4.71E-09	7.29E-08
3104	493363.09	3845877.25	2.53E-04	2.58E-04	2.57E-04	8.74E-08	2.64E-07	1.53E-07	1.56E-07	1.41E-07	6.45E-08	6.44E-08	0.00E+00	0.00E+00	2.81E-08	5.29E-09	3.36E-08	5.18E-09	4.99E-09	7.72E-08
3105	493863.09	3845877.25	2.66E-04	2.71E-04	2.71E-04	9.20E-08	2.78E-07	1.61E-07	1.64E-07	1.49E-07	6.79E-08	6.78E-08	0.00E+00	0.00E+00	2.96E-08	5.57E-09	3.53E-08	5.45E-09	5.25E-09	8.12E-08
3106	494363.09	3845877.25	2.74E-04	2.79E-04	2.79E-04	9.48E-08	2.86E-07	1.66E-07	1.69E-07	1.53E-07	6.99E-08	6.98E-08	0.00E+00	0.00E+00	3.05E-08	5.74E-09	3.64E-08	5.61E-09	5.41E-09	8.36E-08
3107	494863.09	3845877.25	2.76E-04	2.82E-04	2.81E-04	9.56E-08	2.89E-07	1.67E-07	1.70E-07	1.55E-07	7.05E-08	7.04E-08	0.00E+00	0.00E+00	3.07E-08	5.79E-09	3.67E-08	5.66E-09	5.45E-09	8.44E-08
3108	495363.09	3845877.25	2.84E-04	2.90E-04	2.89E-04	9.82E-08	2.97E-07	1.72E-07	1.75E-07	1.59E-07	7.25E-08	7.24E-08	0.00E+00	0.00E+00	3.16E-08	5.95E-09	3.77E-08	5.82E-09	5.60E-09	8.67E-08
3109	495863.09	3845877.25	2.92E-04	2.98E-04	2.97E-04	1.01E-07	3.05E-07	1.77E-07	1.80E-07	1.63E-07	7.45E-08	7.44E-08	0.00E+00	0.00E+00	3.25E-08	6.11E-09	3.88E-08	5.98E-09	5.76E-09	8.91E-08
3110	496363.09	3845877.25	2.99E-04	3.05E-04	3.05E-04	1.03E-07	3.12E-07	1.81E-07	1.84E-07	1.67E-07	7.63E-08	7.62E-08	0.00E+00	0.00E+00	3.33E-08	6.26E-09	3.97E-08	6.13E-09	5.90E-09	9.13E-08
3111	496863.09	3845877.25	2.98E-04	3.05E-04	3.04E-04	1.03E-07	3.12E-07	1.81E-07	1.84E-07	1.67E-07	7.62E-08	7.61E-08	0.00E+00	0.00E+00	3.32E-08	6.26E-09	3.97E-08	6.12E-09	5.90E-09	9.12E-08
3112	497363.09	3845877.25	2.98E-04	3.04E-04	3.04E-04	1.03E-07	3.12E-07	1.80E-07	1.84E-07	1.67E-07	7.62E-08	7.61E-08	0.00E+00	0.00E+00	3.32E-08	6.25E-09	3.97E-08	6.12E-09	5.89E-09	9.11E-08
3113	497863.09	3845877.25	2.99E-04	3.05E-04	3.05E-04	1.04E-07	3.13E-07	1.81E-07	1.85E-07	1.68E-07	7.65E-08	7.64E-08	0.00E+00	0.00E+00	3.33E-08	6.27E-09	3.98E-08	6.14E-09	5.91E-09	9.15E-08
3114	498363.09	3845877.25	2.97E-04	3.03E-04	3.03E-04	1.03E-07	3.11E-07	1.80E-07	1.84E-07	1.66E-07	7.59E-08	7.58E-08	0.00E+00	0.00E+00	3.31E-08	6.23E-09	3.95E-08	6.10E-09	5.87E-09	9.08E-08
3115	471363.09	3846377.25	6.55E-04	6.68E-04	6.67E-04	2.27E-07	6.84E-07	3.96E-07	4.04E-07	3.66E-07	1.67E-07	1.67E-07	0.00E+00	0.00E+00	7.29E-08	1.37E-08	8.71E-08	1.34E-08	1.29E-08	2.00E-07
3116	471863.09	3846377.25	5.87E-04	5.99E-04	5.98E-04	2.03E-07	6.13E-07	3.55E-07	3.62E-07	3.28E-07	1.50E-07	1.50E-07	0.00E+00	0.00E+00	6.53E-08	1.23E-08	7.80E-08	1.20E-08	1.16E-08	1.79E-07
3117	472363.09	3846377.25	3.08E-04	3.15E-04	3.14E-04	1.07E-07	3.22E-07	1.86E-07	1.90E-07	1.73E-07	7.87E-08	7.86E-08	0.00E+00	0.00E+00	3.43E-08	6.46E-09	4.10E-08	6.32E-09	6.09E-09	9.42E-08
3118	472863.09	3846377.25	3.46E-04	3.53E-04	3.53E-04	1.20E-07	3.62E-07	2.09E-07	2.14E-07	1.94E-07	8.83E-08	8.82E-08	0.00E+00	0.00E+00	3.85E-08	7.25E-09	4.60E-08	7.09E-09	6.83E-09	1.06E-07
3119	473363.09	3846377.25	3.46E-04	3.53E-04	3.53E-04	1.20E-07	3.62E-07	2.09E-07	2.14E-07	1.94E-07	8.84E-08	8.83E-08	0.00E+00	0.00E+00	3.85E-08	7.26E-09	4.60E-08	7.10E-09	6.84E-09	1.06E-07
3120	473863.09	3846377.25	3.98E-04	4.06E-04	4.06E-04	1.38E-07	4.16E-07	2.41E-07	2.46E-07	2.23E-07	1.02E-07	1.02E-07	0.00E+00	0.00E+00	4.43E-08	8.34E-09	5.29E-08	8.16E-09	7.86E-09	1.22E-07
3121	474363.09	3846377.25	4.19E-04	4.28E-04	4.27E-04	1.45E-07	4.38E-07	2.54E-07	2.59E-07	2.35E-07	1.07E-07	1.07E-07	0.00E+00	0.00E+00	4.67E-08	8.79E-09	5.58E-08	8.60E-09	8.28E-09	1.28E-07
3122	474863.09	3846377.25	4.77E-04	4.87E-04	4.86E-04	1.65E-07	4.99E-07	2.89E-07	2.95E-07	2.67E-07	1.22E-07	1.22E-07	0.00E+00	0.00E+00	5.31E-08	1.00E-08	6.34E-08	9.78E-09	9.42E-09	1.46E-07
3123	475363.09	3846377.25	5.45E-04	5.56E-04	5.55E-04	1.89E-07	5.69E-07	3.30E-07	3.36E-07	3.05E-07	1.39E-07	1.39E-07	0.00E+00	0.00E+00	6.06E-08	1.14E-08	7.25E-08	1.12E-08	1.08E-08	1.66E-07
3124	475863.09	3846377.25	6.29E-04	6.42E-04	6.41E-04	2.18E-07	6.57E-07	3.80E-07	3.88E-07	3.52E-07	1.61E-07	1.60E-07	0.00E+00	0.00E+00	7.00E-08	1.32E-08	8.36E-08	1.29E-08	1.24E-08	1.92E-07
3125	476363.09	3846377.25	6.18E-04	6.31E-04	6.30E-04	2.14E-07	6.46E-07	3.74E-07	3.82E-07	3.46E-07	1.58E-07	1.58E-07	0.00E+00	0.00E+00	6.88E-08	1.30E-08	8.22E-08	1.27E-08	1.22E-08	1.89E-07
3126	476863.09	3846377.25	6.12E-04	6.24E-04	6.23E-04	2.12E-07	6.39E-07	3.70E-07	3.78E-07	3.42E-07	1.56E-07	1.56E-07	0.00E+00	0.00E+00	6.81E-08	1.28E-08	8.13E-08	1.25E-08	1.21E-08	1.87E-07
3127	477363.09	3846377.25	6.15E-04	6.28E-04	6.27E-04	2.13E-07	6.43E-07	3.72E-07	3.80E-07	3.44E-07	1.57E-07	1.57E-07	0.00E+00	0.00E+00	6.85E-08	1.29E-08	8.18E-08	1.26E-08	1.21E-08	1.88E-07
3128	477863.09	3846377.25	5.95E-04	6.07E-04	6.06E-04	2.06E-07	6.22E-07	3.60E-07	3.67E-07	3.33E-07	1.52E-07	1.52E-07	0.00E+00	0.00E+00	6.62E-08	1.25E-08	7.91E-08	1.22E-08	1.17E-08	1.82E-07
3129	478363.09	3846377.25	5.87E-04	5.99E-04	5.99E-04	2.03E-07	6.14E-07	3.55E-07	3.63E-07	3.29E-07	1.50E-07	1.50E-07	0.00E+00	0.00E+00	6.54E-08	1.23E-08	7.81E-08	1.20E-08	1.16E-08	1.79E-07

3130	478863.09	3846377.25	6.14E-04	6.27E-04	6.26E-04	2.13E-07	6.42E-07	3.72E-07	3.79E-07	3.44E-07	1.57E-07	1.57E-07	0.00E+00	0.00E+00	6.84E-08	1.29E-08	8.17E-08	1.26E-08	1.21E-08	1.88E-07
3131	479363.09	3846377.25	6.21E-04	6.33E-04	6.32E-04	2.15E-07	6.49E-07	3.75E-07	3.83E-07	3.47E-07	1.58E-07	1.58E-07	0.00E+00	0.00E+00	6.91E-08	1.30E-08	8.25E-08	1.27E-08	1.23E-08	1.90E-07
3132	479863.09	3846377.25	6.04E-04	6.16E-04	6.15E-04	2.09E-07	6.31E-07	3.65E-07	3.73E-07	3.38E-07	1.54E-07	1.54E-07	0.00E+00	0.00E+00	6.72E-08	1.27E-08	8.03E-08	1.24E-08	1.19E-08	1.84E-07
3133	480363.09	3846377.25	6.12E-04	6.24E-04	6.23E-04	2.12E-07	6.39E-07	3.70E-07	3.78E-07	3.42E-07	1.56E-07	1.56E-07	0.00E+00	0.00E+00	6.81E-08	1.28E-08	8.13E-08	1.25E-08	1.21E-08	1.87E-07
3134	480863.09	3846377.25	5.51E-04	5.62E-04	5.61E-04	1.91E-07	5.76E-07	3.33E-07	3.40E-07	3.08E-07	1.41E-07	1.40E-07	0.00E+00	0.00E+00	6.13E-08	1.15E-08	7.32E-08	1.13E-08	1.09E-08	1.68E-07
3135	481363.09	3846377.25	5.45E-04	5.56E-04	5.56E-04	1.89E-07	5.70E-07	3.30E-07	3.37E-07	3.05E-07	1.39E-07	1.39E-07	0.00E+00	0.00E+00	6.07E-08	1.14E-08	7.25E-08	1.12E-08	1.08E-08	1.67E-07
3136	481863.09	3846377.25	5.14E-04	5.24E-04	5.24E-04	1.78E-07	5.37E-07	3.11E-07	3.17E-07	2.88E-07	1.31E-07	1.31E-07	0.00E+00	0.00E+00	5.72E-08	1.08E-08	6.83E-08	1.05E-08	1.02E-08	1.57E-07
3137	482363.09	3846377.25	4.69E-04	4.78E-04	4.78E-04	1.62E-07	4.90E-07	2.83E-07	2.89E-07	2.62E-07	1.20E-07	1.20E-07	0.00E+00	0.00E+00	5.22E-08	9.82E-09	6.23E-08	9.61E-09	9.25E-09	1.43E-07
3138	482863.09	3846377.25	4.00E-04	4.08E-04	4.08E-04	1.39E-07	4.18E-07	2.42E-07	2.47E-07	2.24E-07	1.02E-07	1.02E-07	0.00E+00	0.00E+00	4.45E-08	8.39E-09	5.32E-08	8.21E-09	7.90E-09	1.22E-07
3139	483363.09	3846377.25	4.25E-04	4.34E-04	4.33E-04	1.47E-07	4.44E-07	2.57E-07	2.63E-07	2.38E-07	1.09E-07	1.08E-07	0.00E+00	0.00E+00	4.73E-08	8.91E-09	5.65E-08	8.72E-09	8.40E-09	1.30E-07
3140	483863.09	3846377.25	4.22E-04	4.31E-04	4.30E-04	1.46E-07	4.41E-07	2.55E-07	2.61E-07	2.36E-07	1.08E-07	1.08E-07	0.00E+00	0.00E+00	4.70E-08	8.84E-09	5.61E-08	8.65E-09	8.33E-09	1.29E-07
3141	484363.09	3846377.25	3.87E-04	3.94E-04	3.94E-04	1.34E-07	4.04E-07	2.34E-07	2.39E-07	2.16E-07	9.87E-08	9.86E-08	0.00E+00	0.00E+00	4.30E-08	8.10E-09	5.14E-08	7.93E-09	7.64E-09	1.18E-07
3142	484863.09	3846377.25	4.28E-04	4.37E-04	4.36E-04	1.48E-07	4.48E-07	2.59E-07	2.64E-07	2.40E-07	1.09E-07	1.09E-07	0.00E+00	0.00E+00	4.77E-08	8.97E-09	5.69E-08	8.78E-09	8.46E-09	1.31E-07
3143	485363.09	3846377.25	4.28E-04	4.37E-04	4.37E-04	1.48E-07	4.48E-07	2.59E-07	2.65E-07	2.40E-07	1.09E-07	1.09E-07	0.00E+00	0.00E+00	4.77E-08	8.98E-09	5.70E-08	8.79E-09	8.46E-09	1.31E-07
3144	485863.09	3846377.25	3.99E-04	4.07E-04	4.07E-04	1.38E-07	4.17E-07	2.42E-07	2.47E-07	2.23E-07	1.02E-07	1.02E-07	0.00E+00	0.00E+00	4.44E-08	8.37E-09	5.31E-08	8.19E-09	7.89E-09	1.22E-07
3145	486363.09	3846377.25	3.37E-04	3.43E-04	3.43E-04	1.16E-07	3.52E-07	2.04E-07	2.08E-07	1.88E-07	8.59E-08	8.58E-08	0.00E+00	0.00E+00	3.75E-08	7.05E-09	4.47E-08	6.90E-09	6.65E-09	1.03E-07
3146	486863.09	3846377.25	3.20E-04	3.27E-04	3.26E-04	1.11E-07	3.34E-07	1.94E-07	1.98E-07	1.79E-07	8.17E-08	8.16E-08	0.00E+00	0.00E+00	3.56E-08	6.71E-09	4.26E-08	6.56E-09	6.32E-09	9.78E-08
3147	487363.09	3846377.25	3.31E-04	3.38E-04	3.37E-04	1.15E-07	3.46E-07	2.00E-07	2.04E-07	1.85E-07	8.45E-08	8.44E-08	0.00E+00	0.00E+00	3.68E-08	6.93E-09	4.40E-08	6.79E-09	6.54E-09	1.01E-07
3148	487863.09	3846377.25	3.69E-04	3.77E-04	3.76E-04	1.28E-07	3.86E-07	2.23E-07	2.28E-07	2.07E-07	9.43E-08	9.42E-08	0.00E+00	0.00E+00	4.11E-08	7.74E-09	4.91E-08	7.57E-09	7.29E-09	1.13E-07
3149	488363.09	3846377.25	3.60E-04	3.68E-04	3.67E-04	1.25E-07	3.77E-07	2.18E-07	2.23E-07	2.02E-07	9.20E-08	9.19E-08	0.00E+00	0.00E+00	4.01E-08	7.55E-09	4.79E-08	7.39E-09	7.12E-09	1.10E-07
3150	488863.09	3846377.25	3.56E-04	3.63E-04	3.63E-04	1.23E-07	3.72E-07	2.15E-07	2.20E-07	1.99E-07	9.09E-08	9.08E-08	0.00E+00	0.00E+00	3.96E-08	7.46E-09	4.73E-08	7.30E-09	7.03E-09	1.09E-07
3151	489363.09	3846377.25	3.49E-04	3.56E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.95E-07	8.92E-08	8.91E-08	0.00E+00	0.00E+00	3.89E-08	7.32E-09	4.64E-08	7.16E-09	6.90E-09	1.07E-07
3152	489863.09	3846377.25	3.26E-04	3.33E-04	3.32E-04	1.13E-07	3.41E-07	1.97E-07	2.01E-07	1.82E-07	8.32E-08	8.31E-08	0.00E+00	0.00E+00	3.63E-08	6.83E-09	4.33E-08	6.68E-09	6.44E-09	9.96E-08
3153	490363.09	3846377.25	2.64E-04	2.69E-04	2.69E-04	9.14E-08	2.76E-07	1.60E-07	1.63E-07	1.48E-07	6.74E-08	6.73E-08	0.00E+00	0.00E+00	2.94E-08	5.53E-09	3.51E-08	5.41E-09	5.21E-09	8.07E-08
3154	490863.09	3846377.25	2.40E-04	2.45E-04	2.45E-04	8.31E-08	2.51E-07	1.45E-07	1.48E-07	1.34E-07	6.13E-08	6.13E-08	0.00E+00	0.00E+00	2.67E-08	5.03E-09	3.19E-08	4.92E-09	4.74E-09	7.34E-08
3155	491363.09	3846377.25	2.35E-04	2.39E-04	2.39E-04	8.12E-08	2.45E-07	1.42E-07	1.45E-07	1.31E-07	5.99E-08	5.98E-08	0.00E+00	0.00E+00	2.61E-08	4.92E-09	3.12E-08	4.81E-09	4.63E-09	7.17E-08
3156	491863.09	3846377.25	2.73E-04	2.78E-04	2.78E-04	9.44E-08	2.85E-07	1.65E-07	1.68E-07	1.53E-07	6.96E-08	6.95E-08	0.00E+00	0.00E+00	3.03E-08	5.71E-09	3.62E-08	5.59E-09	5.38E-09	8.33E-08
3157	492363.09	3846377.25	2.61E-04	2.66E-04	2.66E-04	9.03E-08	2.73E-07	1.58E-07	1.61E-07	1.46E-07	6.66E-08	6.65E-08	0.00E+00	0.00E+00	2.90E-08	5.47E-09	3.47E-08	5.35E-09	5.15E-09	7.97E-08
3158	492863.09	3846377.25	2.63E-04	2.68E-04	2.68E-04	9.10E-08	2.75E-07	1.59E-07	1.62E-07	1.47E-07	6.71E-08	6.70E-08	0.00E+00	0.00E+00	2.93E-08	5.51E-09	3.50E-08	5.39E-09	5.19E-09	8.03E-08
3159	493363.09	3846377.25	2.90E-04	2.96E-04	2.95E-04	1.00E-07	3.03E-07	1.75E-07	1.79E-07	1.62E-07	7.40E-08	7.39E-08	0.00E+00	0.00E+00	3.22E-08	6.07E-09	3.85E-08	5.94E-09	5.72E-09	8.85E-08
3160	493863.09	3846377.25	3.01E-04	3.07E-04	3.07E-04	1.04E-07	3.14E-07	1.82E-07	1.86E-07	1.68E-07	7.68E-08	7.67E-08	0.00E+00	0.00E+00	3.35E-08	6.30E-09	4.00E-08	6.17E-09	5.94E-09	9.19E-08
3161	494363.09	3846377.25	3.09E-04	3.15E-04	3.15E-04	1.07E-07	3.23E-07	1.87E-07	1.91E-07	1.73E-07	7.89E-08	7.88E-08	0.00E+00	0.00E+00	3.44E-08	6.47E-09	4.11E-08	6.33E-09	6.10E-09	9.43E-08
3162	494863.09	3846377.25	3.14E-04	3.20E-04	3.20E-04	1.09E-07	3.28E-07	1.90E-07	1.94E-07	1.76E-07	8.01E-08	8.00E-08	0.00E+00	0.00E+00	3.49E-08	6.58E-09	4.17E-08	6.44E-09	6.20E-09	9.59E-08
3163	495363.09	3846377.25	3.17E-04	3.24E-04	3.23E-04	1.10E-07	3.32E-07	1.92E-07	1.96E-07	1.78E-07	8.10E-08	8.10E-08	0.00E+00	0.00E+00	3.53E-08	6.65E-09	4.22E-08	6.51E-09	6.27E-09	9.70E-08
3164	495863.09	3846377.25	3.25E-04	3.32E-04	3.32E-04	1.13E-07	3.40E-07	1.97E-07	2.01E-07	1.82E-07	8.31E-08	8.30E-08	0.00E+00	0.00E+00	3.62E-08	6.82E-09	4.33E-08	6.67E-09	6.43E-09	9.94E-08
3165	496363.09	3846377.25	3.32E-04	3.39E-04	3.38E-04	1.15E-07	3.47E-07	2.01E-07	2.05E-07	1.86E-07	8.47E-08	8.46E-08	0.00E+00	0.00E+00	3.69E-08	6.95E-09	4.41E-08	6.80E-09	6.55E-09	1.01E-07
3166	496863.09	3846377.25	3.35E-04	3.42E-04	3.41E-04	1.16E-07	3.50E-07	2.03E-07	2.07E-07	1.88E-07	8.56E-08	8.55E-08	0.00E+00	0.00E+00	3.73E-08	7.02E-09	4.46E-08	6.87E-09	6.62E-09	1.02E-07
3167	497363.09	3846377.25	3.36E-04	3.43E-04	3.42E-04	1.16E-07	3.51E-07	2.03E-07	2.07E-07	1.88E-07	8.58E-08	8.57E-08	0.00E+00	0.00E+00	3.74E-08	7.04E-09	4.47E-08	6.89E-09	6.63E-09	1.03E-07
3168	497863.09	3846377.25	3.33E-04	3.40E-04	3.39E-04	1.15E-07	3.48E-07	2.01E-07	2.06E-07	1.86E-07	8.50E-08	8.49E-08	0.00E+00	0.00E+00	3.71E-08	6.98E-09	4.43E-08	6.83E-09	6.58E-09	1.02E-07
3169	498363.09	3846377.25	3.27E-04	3.34E-04	3.34E-04	1.13E-07	3.42E-07	1.98E-07	2.02E-07	1.83E-07	8.36E-08	8.35E-08	0.00E+00	0.00E+00	3.64E-08	6.86E-09	4.35E-08	6.71E-09	6.47E-09	1.00E-07
3170	471363.09	3846877.25	7.12E-04	7.26E-04	7.26E-04	2.46E-07	7.44E-07	4.31E-07	4.40E-07	3.98E-07	1.82E-07	1.82E-07	0.00E+00	0.00E+00	7.92E-08	1.49E-08	9.47E-08	1.46E-08	1.41E-08	2.17E-07
3171	471863.09	3846877.25	8.41E-04	8.58E-04	8.57E-04	2.91E-07	8.79E-07	5.09E-07	5.19E-07	4.71E-07	2.15E-07	2.15E-07	0.00E+00	0.00E+00	9.36E-08	1.76E-08	1.12E-07	1.72E-08	1.66E-08	2.57E-07
3172	472363.09	3846877.25	9.14E-04	9.33E-04	9.32E-04	3.16E-07	9.55E-07	5.53E-07	5.64E-07	5.12E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.87E-08	1.81E-08	2.79E-07
3173	472863.09	3846877.25	4.05E-04	4.14E-04	4.13E-04	1.40E-07	4.24E-07	2.45E-07	2.50E-07	2.27E-07	1.04E-07	1.03E-07	0.00E+00	0.00E+00	4.51E-08	8.50E-09	5.39E-08	8.31E-09	8.01E-09	1.24E-07
3174	473363.09	3846877.25	5.11E-04	5.21E-04	5.21E-04	1.77E-07	5.34E-07	3.09E-07	3.15E-07	2.86E-07	1.30E-07	1.30E-07	0.00E+00	0.00E+00	5.69E-08	1.07E-08	6.79E-08	1.05E-08	1.01E-08	1.56E-07
3175	473863.09	3846877.25	6.15E-04	6.27E-04	6.26E-04	2.13E-07	6.42E-07	3.72E-07	3.80E-07	3.44E-07	1.57E-07	1.57E-07	0.00E+00	0.00E+00	6.84E-08	1.29E-08	8.17E-08	1.26E-08	1.21E-08	1.88E-07
3176	474363.09	3846877.25	6.07E-04	6.19E-04	6.19E-04	2.10E-07	6.34E-07	3.67E-07	3.75E-07	3.40E-07	1.55E-07	1.55E-07	0.00E+00	0.00E+00	6.76E-08	1.27E-08	8.07E-08	1.24E-08	1.20E-08	1.85E-07
3177	474863.09	3846877.25	6.35E-04	6.48E-04	6.47E-04	2.20E-07	6.64E-07	3.84E-07	3.92E-07	3.55E-07	1.62E-07	1.62E-07	0.00E+00	0.00E+00	7.07E-08	1.33E-08	8.44E-08	1.30E-08	1.25E-08	1.94E-07
3178	475363.09	3846877.25	6.76E-04	6.90E-04	6.89E-04	2.34E-07	7.07E-07	4.09E-07	4.18E-07	3.78E-07	1.73E-07	1.73E-07	0.00E+00	0.00E+00	7.53E-08	1.42E-08	8.99E-08	1.39E-08	1.34E-08	2.07E-07
3179	475863.09	3846877.25	9.27E-04	9.46E-04	9.45E-04	3.21E-07	9.69E-07	5.61E-07	5.72E-07	5.19E-07	2.37E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
3180	476363.09	3846877.25	1.08E-03	1.10E-03	1.10E-03	3.72E-07	1.12E-06	6.51E-07	6.64E-07	6.02E-07	2.75E-07	2.74E-07	0.00E+00	0.00E+00	1.20E-07	2.25E-08	1.43E-07	2.21E-08	2.12E-08	3.28E-07
3181	476863.09	3846877.25	1.08E-03	1.10E-03	1.10E-03	3.74E-07	1.13E-06	6.53E-07	6.67E-07	6.04E-07	2.76E-07	2.75E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.44E-07	2.21E-08	2.13E-08	3.30E-07
3182	477363.09	3846877.25	1.08E-03	1.10E-03	1.10E-03	3.75E-07	1.13E-06	6.55E-07	6.68E-07	6.06E-07	2.76E-07	2.76E-07	0.00E+00	0.00E+00	1.20E-07	2.27E-08	1.44E-07	2.22E-08	2.14E-08	3.31E-07
3183	477863.09	3846877.25	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.08E-06	6.28E-07	6.41E-07	5.81E-07	2.65E-07	2.65E-07	0.00E+00	0.00E+00	1.16E-07	2.17E-08	1.38E-07	2.13E-08	2.05E-08	3.17E-07
3184	478363.09	3846877.25	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.16E-07	6.28E-07	5.70E-07	2.60E-07	2.60E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.09E-08	2.01E-08	3.11E-07
3185	478863.09	3846877.25	1.03E-03	1.05E-03	1.05E-03	3.56E-07	1.07E-06	6.22E-07	6.34E-07	5.75E-07	2.62E-07	2.62E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.37E-07	2.11E-08	2.03E-08	3.14E-07

3186	479363.09	3846877.25	9.87E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.97E-07	6.09E-07	5.52E-07	2.52E-07	2.52E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.31E-07	2.02E-08	1.95E-08	3.02E-07
3187	479863.09	3846877.25	8.30E-04	8.47E-04	8.46E-04	2.87E-07	8.68E-07	5.02E-07	5.13E-07	4.65E-07	2.12E-07	2.12E-07	0.00E+00	0.00E+00	9.24E-08	1.74E-08	1.10E-07	1.70E-08	1.64E-08	2.54E-07
3188	480363.09	3846877.25	7.39E-04	7.54E-04	7.54E-04	2.56E-07	7.73E-07	4.47E-07	4.56E-07	4.14E-07	1.89E-07	1.89E-07	0.00E+00	0.00E+00	8.23E-08	1.55E-08	9.83E-08	1.52E-08	1.46E-08	2.26E-07
3189	480863.09	3846877.25	7.01E-04	7.16E-04	7.15E-04	2.43E-07	7.33E-07	4.24E-07	4.33E-07	3.93E-07	1.79E-07	1.79E-07	0.00E+00	0.00E+00	7.81E-08	1.47E-08	9.33E-08	1.44E-08	1.39E-08	2.14E-07
3190	481363.09	3846877.25	7.30E-04	7.45E-04	7.44E-04	2.53E-07	7.63E-07	4.42E-07	4.51E-07	4.09E-07	1.86E-07	1.86E-07	0.00E+00	0.00E+00	8.12E-08	1.53E-08	9.71E-08	1.50E-08	1.44E-08	2.23E-07
3191	481863.09	3846877.25	7.13E-04	7.27E-04	7.26E-04	2.47E-07	7.45E-07	4.31E-07	4.40E-07	3.99E-07	1.82E-07	1.82E-07	0.00E+00	0.00E+00	7.93E-08	1.49E-08	9.48E-08	1.46E-08	1.41E-08	2.18E-07
3192	482363.09	3846877.25	6.25E-04	6.38E-04	6.37E-04	2.16E-07	6.54E-07	3.78E-07	3.86E-07	3.50E-07	1.60E-07	1.59E-07	0.00E+00	0.00E+00	6.96E-08	1.31E-08	8.32E-08	1.28E-08	1.24E-08	1.91E-07
3193	482863.09	3846877.25	6.09E-04	6.21E-04	6.20E-04	2.11E-07	6.36E-07	3.68E-07	3.76E-07	3.41E-07	1.55E-07	1.55E-07	0.00E+00	0.00E+00	6.78E-08	1.28E-08	8.10E-08	1.25E-08	1.20E-08	1.86E-07
3194	483363.09	3846877.25	5.91E-04	6.03E-04	6.02E-04	2.05E-07	6.18E-07	3.57E-07	3.65E-07	3.31E-07	1.51E-07	1.51E-07	0.00E+00	0.00E+00	6.58E-08	1.24E-08	7.86E-08	1.21E-08	1.17E-08	1.80E-07
3195	483863.09	3846877.25	5.77E-04	5.89E-04	5.88E-04	2.00E-07	6.03E-07	3.49E-07	3.56E-07	3.23E-07	1.47E-07	1.47E-07	0.00E+00	0.00E+00	6.43E-08	1.21E-08	7.68E-08	1.18E-08	1.14E-08	1.76E-07
3196	484363.09	3846877.25	5.77E-04	5.89E-04	5.88E-04	2.00E-07	6.03E-07	3.49E-07	3.56E-07	3.23E-07	1.47E-07	1.47E-07	0.00E+00	0.00E+00	6.43E-08	1.21E-08	7.68E-08	1.18E-08	1.14E-08	1.76E-07
3197	484863.09	3846877.25	5.58E-04	5.69E-04	5.69E-04	1.93E-07	5.83E-07	3.38E-07	3.45E-07	3.12E-07	1.43E-07	1.42E-07	0.00E+00	0.00E+00	6.21E-08	1.17E-08	7.42E-08	1.14E-08	1.10E-08	1.71E-07
3198	485363.09	3846877.25	5.58E-04	5.69E-04	5.69E-04	1.93E-07	5.83E-07	3.38E-07	3.44E-07	3.12E-07	1.42E-07	1.42E-07	0.00E+00	0.00E+00	6.21E-08	1.17E-08	7.42E-08	1.14E-08	1.10E-08	1.70E-07
3199	485863.09	3846877.25	5.25E-04	5.36E-04	5.35E-04	1.82E-07	5.49E-07	3.18E-07	3.24E-07	2.94E-07	1.34E-07	1.34E-07	0.00E+00	0.00E+00	5.85E-08	1.10E-08	6.98E-08	1.08E-08	1.04E-08	1.60E-07
3200	486363.09	3846877.25	5.47E-04	5.58E-04	5.57E-04	1.89E-07	5.71E-07	3.31E-07	3.37E-07	3.06E-07	1.40E-07	1.39E-07	0.00E+00	0.00E+00	6.08E-08	1.15E-08	7.27E-08	1.12E-08	1.08E-08	1.67E-07
3201	486863.09	3846877.25	4.64E-04	4.74E-04	4.73E-04	1.61E-07	4.85E-07	2.81E-07	2.87E-07	2.60E-07	1.19E-07	1.18E-07	0.00E+00	0.00E+00	5.17E-08	9.73E-09	6.17E-08	9.52E-09	9.17E-09	1.42E-07
3202	487363.09	3846877.25	4.71E-04	4.81E-04	4.80E-04	1.63E-07	4.92E-07	2.85E-07	2.91E-07	2.64E-07	1.20E-07	1.20E-07	0.00E+00	0.00E+00	5.24E-08	9.87E-09	6.27E-08	9.66E-09	9.31E-09	1.44E-07
3203	487863.09	3846877.25	4.62E-04	4.72E-04	4.71E-04	1.60E-07	4.83E-07	2.80E-07	2.85E-07	2.59E-07	1.18E-07	1.18E-07	0.00E+00	0.00E+00	5.15E-08	9.69E-09	6.15E-08	9.48E-09	9.13E-09	1.41E-07
3204	488363.09	3846877.25	4.43E-04	4.52E-04	4.51E-04	1.53E-07	4.63E-07	2.68E-07	2.73E-07	2.48E-07	1.13E-07	1.13E-07	0.00E+00	0.00E+00	4.93E-08	9.28E-09	5.89E-08	9.08E-09	8.74E-09	1.35E-07
3205	488863.09	3846877.25	4.36E-04	4.45E-04	4.45E-04	1.51E-07	4.56E-07	2.64E-07	2.69E-07	2.44E-07	1.11E-07	1.11E-07	0.00E+00	0.00E+00	4.86E-08	9.15E-09	5.80E-08	8.95E-09	8.62E-09	1.33E-07
3206	489363.09	3846877.25	4.29E-04	4.37E-04	4.37E-04	1.48E-07	4.48E-07	2.59E-07	2.65E-07	2.40E-07	1.09E-07	1.09E-07	0.00E+00	0.00E+00	4.77E-08	8.99E-09	5.70E-08	8.79E-09	8.47E-09	1.31E-07
3207	489863.09	3846877.25	4.02E-04	4.10E-04	4.10E-04	1.39E-07	4.20E-07	2.43E-07	2.48E-07	2.25E-07	1.03E-07	1.03E-07	0.00E+00	0.00E+00	4.48E-08	8.43E-09	5.35E-08	8.25E-09	7.94E-09	1.23E-07
3208	490363.09	3846877.25	3.37E-04	3.43E-04	3.43E-04	1.16E-07	3.52E-07	2.04E-07	2.08E-07	1.88E-07	8.59E-08	8.58E-08	0.00E+00	0.00E+00	3.75E-08	7.05E-09	4.47E-08	6.90E-09	6.65E-09	1.03E-07
3209	490863.09	3846877.25	3.17E-04	3.24E-04	3.23E-04	1.10E-07	3.31E-07	1.92E-07	1.96E-07	1.77E-07	8.10E-08	8.09E-08	0.00E+00	0.00E+00	3.53E-08	6.64E-09	4.22E-08	6.50E-09	6.26E-09	9.69E-08
3210	491363.09	3846877.25	3.12E-04	3.18E-04	3.18E-04	1.08E-07	3.26E-07	1.89E-07	1.92E-07	1.74E-07	7.96E-08	7.95E-08	0.00E+00	0.00E+00	3.47E-08	6.53E-09	4.15E-08	6.39E-09	6.16E-09	9.52E-08
3211	491863.09	3846877.25	2.88E-04	2.94E-04	2.94E-04	9.99E-08	3.02E-07	1.75E-07	1.78E-07	1.61E-07	7.37E-08	7.36E-08	0.00E+00	0.00E+00	3.21E-08	6.05E-09	3.84E-08	5.92E-09	5.70E-09	8.81E-08
3212	492363.09	3846877.25	3.31E-04	3.38E-04	3.37E-04	1.15E-07	3.46E-07	2.00E-07	2.04E-07	1.85E-07	8.45E-08	8.44E-08	0.00E+00	0.00E+00	3.68E-08	6.93E-09	4.40E-08	6.79E-09	6.54E-09	1.01E-07
3213	492863.09	3846877.25	3.31E-04	3.37E-04	3.37E-04	1.14E-07	3.46E-07	2.00E-07	2.04E-07	1.85E-07	8.44E-08	8.43E-08	0.00E+00	0.00E+00	3.68E-08	6.93E-09	4.40E-08	6.78E-09	6.53E-09	1.01E-07
3214	493363.09	3846877.25	3.42E-04	3.48E-04	3.48E-04	1.18E-07	3.57E-07	2.07E-07	2.11E-07	1.91E-07	8.72E-08	8.71E-08	0.00E+00	0.00E+00	3.80E-08	7.16E-09	4.54E-08	7.00E-09	6.75E-09	1.04E-07
3215	493863.09	3846877.25	3.46E-04	3.53E-04	3.52E-04	1.20E-07	3.61E-07	2.09E-07	2.13E-07	1.93E-07	8.83E-08	8.82E-08	0.00E+00	0.00E+00	3.85E-08	7.24E-09	4.60E-08	7.09E-09	6.83E-09	1.06E-07
3216	494363.09	3846877.25	3.43E-04	3.50E-04	3.50E-04	1.19E-07	3.59E-07	2.08E-07	2.12E-07	1.92E-07	8.77E-08	8.76E-08	0.00E+00	0.00E+00	3.82E-08	7.19E-09	4.57E-08	7.04E-09	6.78E-09	1.05E-07
3217	494863.09	3846877.25	3.44E-04	3.51E-04	3.51E-04	1.19E-07	3.60E-07	2.08E-07	2.13E-07	1.93E-07	8.80E-08	8.79E-08	0.00E+00	0.00E+00	3.83E-08	7.22E-09	4.58E-08	7.06E-09	6.80E-09	1.05E-07
3218	495363.09	3846877.25	3.44E-04	3.51E-04	3.51E-04	1.19E-07	3.60E-07	2.08E-07	2.12E-07	1.93E-07	8.79E-08	8.78E-08	0.00E+00	0.00E+00	3.83E-08	7.21E-09	4.58E-08	7.06E-09	6.80E-09	1.05E-07
3219	495863.09	3846877.25	3.44E-04	3.51E-04	3.50E-04	1.19E-07	3.59E-07	2.08E-07	2.12E-07	1.92E-07	8.78E-08	8.77E-08	0.00E+00	0.00E+00	3.83E-08	7.21E-09	4.57E-08	7.05E-09	6.79E-09	1.05E-07
3220	496363.09	3846877.25	3.45E-04	3.52E-04	3.52E-04	1.20E-07	3.61E-07	2.09E-07	2.13E-07	1.93E-07	8.82E-08	8.81E-08	0.00E+00	0.00E+00	3.84E-08	7.24E-09	4.59E-08	7.08E-09	6.82E-09	1.06E-07
3221	496863.09	3846877.25	3.52E-04	3.59E-04	3.59E-04	1.22E-07	3.68E-07	2.13E-07	2.17E-07	1.97E-07	8.99E-08	8.97E-08	0.00E+00	0.00E+00	3.92E-08	7.37E-09	4.68E-08	7.22E-09	6.95E-09	1.07E-07
3222	497363.09	3846877.25	3.63E-04	3.70E-04	3.70E-04	1.26E-07	3.79E-07	2.20E-07	2.24E-07	2.03E-07	9.27E-08	9.26E-08	0.00E+00	0.00E+00	4.04E-08	7.61E-09	4.83E-08	7.44E-09	7.17E-09	1.11E-07
3223	497863.09	3846877.25	3.69E-04	3.76E-04	3.76E-04	1.28E-07	3.85E-07	2.23E-07	2.28E-07	2.06E-07	9.41E-08	9.40E-08	0.00E+00	0.00E+00	4.10E-08	7.73E-09	4.90E-08	7.56E-09	7.28E-09	1.13E-07
3224	498363.09	3846877.25	3.58E-04	3.66E-04	3.65E-04	1.24E-07	3.75E-07	2.17E-07	2.21E-07	2.01E-07	9.15E-08	9.14E-08	0.00E+00	0.00E+00	3.99E-08	7.51E-09	4.76E-08	7.35E-09	7.08E-09	1.09E-07
3225	471363.09	3847377.25	8.48E-04	8.65E-04	8.64E-04	2.94E-07	8.86E-07	5.13E-07	5.24E-07	4.75E-07	2.17E-07	2.16E-07	0.00E+00	0.00E+00	9.44E-08	1.78E-08	1.13E-07	1.74E-08	1.68E-08	2.59E-07
3226	471863.09	3847377.25	9.72E-04	9.92E-04	9.90E-04	3.36E-07	1.02E-06	5.88E-07	6.00E-07	5.44E-07	2.48E-07	2.48E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.29E-07	1.99E-08	1.92E-08	2.97E-07
3227	472363.09	3847377.25	1.17E-03	1.19E-03	1.19E-03	4.04E-07	1.22E-06	7.07E-07	7.21E-07	6.54E-07	2.98E-07	2.98E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.55E-07	2.39E-08	2.31E-08	3.57E-07
3228	472863.09	3847377.25	1.47E-03	1.50E-03	1.50E-03	5.11E-07	1.54E-06	8.92E-07	9.11E-07	8.25E-07	3.77E-07	3.76E-07	0.00E+00	0.00E+00	1.64E-07	3.09E-08	1.96E-07	3.02E-08	2.91E-08	4.51E-07
3229	473363.09	3847377.25	1.01E-03	1.03E-03	1.03E-03	3.50E-07	1.06E-06	6.13E-07	6.25E-07	5.67E-07	2.59E-07	2.58E-07	0.00E+00	0.00E+00	1.13E-07	2.12E-08	1.35E-07	2.08E-08	2.00E-08	3.09E-07
3230	473863.09	3847377.25	1.03E-03	1.05E-03	1.05E-03	3.55E-07	1.07E-06	6.21E-07	6.34E-07	5.74E-07	2.62E-07	2.62E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.36E-07	2.10E-08	2.03E-08	3.14E-07
3231	474363.09	3847377.25	1.18E-03	1.21E-03	1.20E-03	4.09E-07	1.24E-06	7.15E-07	7.30E-07	6.62E-07	3.02E-07	3.02E-07	0.00E+00	0.00E+00	1.32E-07	2.48E-08	1.57E-07	2.42E-08	2.34E-08	3.61E-07
3232	474863.09	3847377.25	1.26E-03	1.29E-03	1.29E-03	4.38E-07	1.32E-06	7.65E-07	7.81E-07	7.08E-07	3.23E-07	3.23E-07	0.00E+00	0.00E+00	1.41E-07	2.65E-08	1.68E-07	2.59E-08	2.50E-08	3.86E-07
3233	475363.09	3847377.25	1.40E-03	1.43E-03	1.43E-03	4.86E-07	1.47E-06	8.49E-07	8.66E-07	7.85E-07	3.58E-07	3.58E-07	0.00E+00	0.00E+00	1.56E-07	2.94E-08	1.87E-07	2.88E-08	2.77E-08	4.29E-07
3234	475863.09	3847377.25	1.88E-03	1.92E-03	1.92E-03	6.52E-07	1.97E-06	1.14E-06	1.16E-06	1.05E-06	4.81E-07	4.81E-07	0.00E+00	0.00E+00	2.10E-07	3.95E-08	2.51E-07	3.86E-08	3.72E-08	5.76E-07
3235	476363.09	3847377.25	2.25E-03	2.29E-03	2.29E-03	7.78E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.74E-07	5.73E-07	0.00E+00	0.00E+00	2.50E-07	4.71E-08	2.99E-07	4.61E-08	4.44E-08	6.86E-07
3236	476863.09	3847377.25	2.10E-03	2.14E-03	2.14E-03	7.27E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.36E-07	5.36E-07	0.00E+00	0.00E+00	2.34E-07	4.40E-08	2.79E-07	4.31E-08	4.15E-08	6.42E-07
3237	477363.09	3847377.25	2.01E-03	2.05E-03	2.05E-03	6.96E-07	2.10E-06	1.22E-06	1.24E-06	1.13E-06	5.13E-07	5.13E-07	0.00E+00	0.00E+00	2.24E-07	4.21E-08	2.67E-07	4.12E-08	3.97E-08	6.14E-07
3238	477863.09	3847377.25	1.84E-03	1.88E-03	1.88E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.71E-07	4.71E-07	0.00E+00	0.00E+00	2.05E-07	3.87E-08	2.45E-07	3.78E-08	3.64E-08	5.64E-07
3239	478363.09	3847377.25	1.75E-03	1.78E-03	1.78E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.78E-07	4.46E-07	4.46E-07	0.00E+00	0.00E+00	1.95E-07	3.66E-08	2.32E-07	3.58E-08	3.45E-08	5.34E-07
3240	478863.09	3847377.25	1.69E-03	1.72E-03	1.72E-03	5.84E-07	1.76E-06	1.02E-06	1.04E-06	9.44E-07	4.31E-07	4.30E-07	0.00E+00	0.00E+00	1.88E-07	3.53E-08	2.24E-07	3.46E-08	3.33E-08	5.15E-07
3241	479363.09	3847377.25	1.40E-03	1.43E-03	1.43E-03	4.85E-07	1.47E-06	8.48E-07	8.66E-07	7.85E-07	3.58E-07	3.58E-07	0.00E+00	0.00E+00	1.56E-07	2.94E-08	1.86E-07	2.88E-08	2.77E-08	4.28E-07

3242	479863.09	3847377.25	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.60E-07	6.73E-07	6.10E-07	2.78E-07	2.78E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.24E-08	2.15E-08	3.33E-07
3243	480363.09	3847377.25	8.19E-04	8.36E-04	8.35E-04	2.84E-07	8.57E-07	4.96E-07	5.06E-07	4.59E-07	2.09E-07	2.09E-07	0.00E+00	0.00E+00	9.12E-08	1.72E-08	1.09E-07	1.68E-08	1.62E-08	2.50E-07
3244	480863.09	3847377.25	7.37E-04	7.52E-04	7.51E-04	2.55E-07	7.70E-07	4.46E-07	4.55E-07	4.12E-07	1.88E-07	1.88E-07	0.00E+00	0.00E+00	8.20E-08	1.54E-08	9.80E-08	1.51E-08	1.46E-08	2.25E-07
3245	481363.09	3847377.25	8.05E-04	8.22E-04	8.21E-04	2.79E-07	8.42E-07	4.87E-07	4.97E-07	4.51E-07	2.06E-07	2.05E-07	0.00E+00	0.00E+00	8.96E-08	1.69E-08	1.07E-07	1.65E-08	1.59E-08	2.46E-07
3246	481863.09	3847377.25	9.65E-04	9.85E-04	9.84E-04	3.34E-07	1.01E-06	5.84E-07	5.96E-07	5.40E-07	2.47E-07	2.46E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.98E-08	1.91E-08	2.95E-07
3247	482363.09	3847377.25	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.70E-07	5.17E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.89E-08	1.82E-08	2.82E-07
3248	482863.09	3847377.25	8.57E-04	8.75E-04	8.74E-04	2.97E-07	8.96E-07	5.19E-07	5.29E-07	4.80E-07	2.19E-07	2.19E-07	0.00E+00	0.00E+00	9.54E-08	1.80E-08	1.14E-07	1.76E-08	1.69E-08	2.62E-07
3249	483363.09	3847377.25	7.95E-04	8.11E-04	8.10E-04	2.75E-07	8.31E-07	4.81E-07	4.91E-07	4.45E-07	2.03E-07	2.03E-07	0.00E+00	0.00E+00	8.85E-08	1.67E-08	1.06E-07	1.63E-08	1.57E-08	2.43E-07
3250	483863.09	3847377.25	7.73E-04	7.89E-04	7.88E-04	2.68E-07	8.08E-07	4.68E-07	4.77E-07	4.33E-07	1.97E-07	1.97E-07	0.00E+00	0.00E+00	8.60E-08	1.62E-08	1.03E-07	1.59E-08	1.53E-08	2.36E-07
3251	484363.09	3847377.25	7.95E-04	8.12E-04	8.11E-04	2.75E-07	8.31E-07	4.81E-07	4.91E-07	4.45E-07	2.03E-07	2.03E-07	0.00E+00	0.00E+00	8.85E-08	1.67E-08	1.06E-07	1.63E-08	1.57E-08	2.43E-07
3252	484863.09	3847377.25	7.56E-04	7.71E-04	7.70E-04	2.62E-07	7.90E-07	4.57E-07	4.66E-07	4.23E-07	1.93E-07	1.93E-07	0.00E+00	0.00E+00	8.41E-08	1.58E-08	1.00E-07	1.55E-08	1.49E-08	2.31E-07
3253	485363.09	3847377.25	7.35E-04	7.50E-04	7.49E-04	2.54E-07	7.68E-07	4.45E-07	4.54E-07	4.11E-07	1.88E-07	1.87E-07	0.00E+00	0.00E+00	8.18E-08	1.54E-08	9.77E-08	1.51E-08	1.45E-08	2.25E-07
3254	485863.09	3847377.25	7.31E-04	7.46E-04	7.45E-04	2.53E-07	7.64E-07	4.43E-07	4.52E-07	4.09E-07	1.87E-07	1.87E-07	0.00E+00	0.00E+00	8.14E-08	1.53E-08	9.73E-08	1.50E-08	1.44E-08	2.23E-07
3255	486363.09	3847377.25	7.24E-04	7.39E-04	7.38E-04	2.51E-07	7.57E-07	4.38E-07	4.47E-07	4.05E-07	1.85E-07	1.85E-07	0.00E+00	0.00E+00	8.06E-08	1.52E-08	9.63E-08	1.48E-08	1.43E-08	2.21E-07
3256	486863.09	3847377.25	6.42E-04	6.55E-04	6.54E-04	2.22E-07	6.71E-07	3.88E-07	3.96E-07	3.59E-07	1.64E-07	1.64E-07	0.00E+00	0.00E+00	7.14E-08	1.34E-08	8.53E-08	1.32E-08	1.27E-08	1.96E-07
3257	487363.09	3847377.25	6.38E-04	6.51E-04	6.50E-04	2.21E-07	6.67E-07	3.86E-07	3.94E-07	3.57E-07	1.63E-07	1.63E-07	0.00E+00	0.00E+00	7.10E-08	1.34E-08	8.48E-08	1.31E-08	1.26E-08	1.95E-07
3258	487863.09	3847377.25	5.80E-04	5.92E-04	5.92E-04	2.01E-07	6.07E-07	3.51E-07	3.58E-07	3.25E-07	1.48E-07	1.48E-07	0.00E+00	0.00E+00	6.46E-08	1.22E-08	7.72E-08	1.19E-08	1.15E-08	1.77E-07
3259	488363.09	3847377.25	5.55E-04	5.66E-04	5.66E-04	1.92E-07	5.80E-07	3.36E-07	3.43E-07	3.11E-07	1.42E-07	1.42E-07	0.00E+00	0.00E+00	6.18E-08	1.16E-08	7.38E-08	1.14E-08	1.10E-08	1.70E-07
3260	488863.09	3847377.25	5.40E-04	5.51E-04	5.50E-04	1.87E-07	5.64E-07	3.26E-07	3.33E-07	3.02E-07	1.38E-07	1.38E-07	0.00E+00	0.00E+00	6.01E-08	1.13E-08	7.17E-08	1.11E-08	1.07E-08	1.65E-07
3261	489363.09	3847377.25	5.25E-04	5.36E-04	5.35E-04	1.82E-07	5.49E-07	3.18E-07	3.24E-07	2.94E-07	1.34E-07	1.34E-07	0.00E+00	0.00E+00	5.85E-08	1.10E-08	6.99E-08	1.08E-08	1.04E-08	1.61E-07
3262	489863.09	3847377.25	4.77E-04	4.87E-04	4.86E-04	1.65E-07	4.98E-07	2.88E-07	2.94E-07	2.67E-07	1.22E-07	1.22E-07	0.00E+00	0.00E+00	5.31E-08	9.99E-09	6.34E-08	9.78E-09	9.42E-09	1.46E-07
3263	490363.09	3847377.25	4.32E-04	4.41E-04	4.40E-04	1.50E-07	4.52E-07	2.61E-07	2.67E-07	2.42E-07	1.10E-07	1.10E-07	0.00E+00	0.00E+00	4.81E-08	9.05E-09	5.74E-08	8.86E-09	8.53E-09	1.32E-07
3264	490863.09	3847377.25	4.17E-04	4.26E-04	4.25E-04	1.44E-07	4.36E-07	2.52E-07	2.58E-07	2.34E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.64E-08	8.74E-09	5.55E-08	8.56E-09	8.24E-09	1.27E-07
3265	491363.09	3847377.25	3.97E-04	4.05E-04	4.05E-04	1.37E-07	4.15E-07	2.40E-07	2.45E-07	2.22E-07	1.01E-07	1.01E-07	0.00E+00	0.00E+00	4.42E-08	8.32E-09	5.28E-08	8.14E-09	7.84E-09	1.21E-07
3266	491863.09	3847377.25	4.14E-04	4.22E-04	4.22E-04	1.43E-07	4.33E-07	2.50E-07	2.56E-07	2.32E-07	1.06E-07	1.06E-07	0.00E+00	0.00E+00	4.61E-08	8.68E-09	5.51E-08	8.49E-09	8.18E-09	1.26E-07
3267	492363.09	3847377.25	3.94E-04	4.02E-04	4.02E-04	1.36E-07	4.12E-07	2.39E-07	2.43E-07	2.21E-07	1.01E-07	1.01E-07	0.00E+00	0.00E+00	4.39E-08	8.26E-09	5.24E-08	8.09E-09	7.79E-09	1.20E-07
3268	492863.09	3847377.25	3.98E-04	4.06E-04	4.06E-04	1.38E-07	4.16E-07	2.41E-07	2.46E-07	2.23E-07	1.02E-07	1.02E-07	0.00E+00	0.00E+00	4.43E-08	8.34E-09	5.29E-08	8.16E-09	7.86E-09	1.22E-07
3269	493363.09	3847377.25	3.95E-04	4.03E-04	4.02E-04	1.37E-07	4.12E-07	2.39E-07	2.44E-07	2.21E-07	1.01E-07	1.01E-07	0.00E+00	0.00E+00	4.39E-08	8.27E-09	5.25E-08	8.09E-09	7.79E-09	1.21E-07
3270	493863.09	3847377.25	3.77E-04	3.85E-04	3.84E-04	1.30E-07	3.94E-07	2.28E-07	2.33E-07	2.11E-07	9.62E-08	9.61E-08	0.00E+00	0.00E+00	4.20E-08	7.90E-09	5.01E-08	7.73E-09	7.44E-09	1.15E-07
3271	494363.09	3847377.25	3.62E-04	3.70E-04	3.69E-04	1.25E-07	3.79E-07	2.19E-07	2.24E-07	2.03E-07	9.25E-08	9.24E-08	0.00E+00	0.00E+00	4.03E-08	7.59E-09	4.82E-08	7.43E-09	7.15E-09	1.11E-07
3272	494863.09	3847377.25	3.55E-04	3.63E-04	3.62E-04	1.23E-07	3.71E-07	2.15E-07	2.19E-07	1.99E-07	9.08E-08	9.06E-08	0.00E+00	0.00E+00	3.96E-08	7.45E-09	4.73E-08	7.29E-09	7.02E-09	1.09E-07
3273	495363.09	3847377.25	3.49E-04	3.56E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.15E-07	1.95E-07	8.91E-08	8.90E-08	0.00E+00	0.00E+00	3.88E-08	7.31E-09	4.64E-08	7.15E-09	6.89E-09	1.07E-07
3274	495863.09	3847377.25	3.49E-04	3.56E-04	3.55E-04	1.21E-07	3.64E-07	2.11E-07	2.15E-07	1.95E-07	8.90E-08	8.89E-08	0.00E+00	0.00E+00	3.88E-08	7.31E-09	4.64E-08	7.15E-09	6.89E-09	1.06E-07
3275	496363.09	3847377.25	3.46E-04	3.53E-04	3.53E-04	1.20E-07	3.62E-07	2.09E-07	2.14E-07	1.94E-07	8.83E-08	8.82E-08	0.00E+00	0.00E+00	3.85E-08	7.25E-09	4.60E-08	7.09E-09	6.83E-09	1.06E-07
3276	496863.09	3847377.25	3.56E-04	3.64E-04	3.63E-04	1.23E-07	3.72E-07	2.16E-07	2.20E-07	1.99E-07	9.10E-08	9.09E-08	0.00E+00	0.00E+00	3.97E-08	7.47E-09	4.74E-08	7.31E-09	7.04E-09	1.09E-07
3277	497363.09	3847377.25	3.74E-04	3.82E-04	3.81E-04	1.30E-07	3.91E-07	2.26E-07	2.31E-07	2.09E-07	9.56E-08	9.55E-08	0.00E+00	0.00E+00	4.17E-08	7.84E-09	4.98E-08	7.67E-09	7.39E-09	1.14E-07
3278	497863.09	3847377.25	3.97E-04	4.05E-04	4.05E-04	1.37E-07	4.15E-07	2.40E-07	2.45E-07	2.22E-07	1.01E-07	1.01E-07	0.00E+00	0.00E+00	4.42E-08	8.32E-09	5.28E-08	8.14E-09	7.84E-09	1.21E-07
3279	498363.09	3847377.25	3.93E-04	4.01E-04	4.01E-04	1.36E-07	4.11E-07	2.38E-07	2.43E-07	2.20E-07	1.00E-07	1.00E-07	0.00E+00	0.00E+00	4.38E-08	8.24E-09	5.23E-08	8.06E-09	7.76E-09	1.20E-07
3280	471363.09	3847877.25	1.01E-03	1.04E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.27E-07	5.68E-07	2.59E-07	2.59E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.08E-08	2.00E-08	3.10E-07
3281	471863.09	3847877.25	1.20E-03	1.23E-03	1.23E-03	4.17E-07	1.26E-06	7.29E-07	7.44E-07	6.74E-07	3.08E-07	3.07E-07	0.00E+00	0.00E+00	1.34E-07	2.53E-08	1.60E-07	2.47E-08	2.38E-08	3.68E-07
3282	472363.09	3847877.25	1.47E-03	1.50E-03	1.50E-03	5.10E-07	1.54E-06	8.92E-07	9.10E-07	8.25E-07	3.76E-07	3.76E-07	0.00E+00	0.00E+00	1.64E-07	3.09E-08	1.96E-07	3.02E-08	2.91E-08	4.50E-07
3283	472863.09	3847877.25	1.96E-03	2.00E-03	2.00E-03	6.79E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	5.01E-07	5.01E-07	0.00E+00	0.00E+00	2.18E-07	4.11E-08	2.61E-07	4.02E-08	3.88E-08	5.99E-07
3284	473363.09	3847877.25	3.21E-03	3.27E-03	3.27E-03	1.11E-06	3.35E-06	1.94E-06	1.98E-06	1.80E-06	8.19E-07	8.18E-07	0.00E+00	0.00E+00	3.57E-07	6.72E-08	4.26E-07	6.58E-08	6.33E-08	9.80E-07
3285	473863.09	3847877.25	1.97E-02	2.01E-02	2.01E-02	6.82E-06	2.06E-05	1.19E-05	1.22E-05	1.10E-05	5.03E-06	5.03E-06	0.00E+00	0.00E+00	2.19E-06	4.13E-07	2.62E-06	4.04E-07	3.89E-07	6.02E-06
3286	474363.09	3847877.25	8.70E-03	8.88E-03	8.87E-03	3.01E-06	9.10E-06	5.27E-06	5.37E-06	4.87E-06	2.22E-06	2.22E-06	0.00E+00	0.00E+00	9.69E-07	1.82E-07	1.16E-06	1.78E-07	1.72E-07	2.66E-06
3287	474863.09	3847877.25	7.15E-03	7.30E-03	7.29E-03	2.48E-06	7.47E-06	4.33E-06	4.41E-06	4.00E-06	1.83E-06	1.82E-06	0.00E+00	0.00E+00	7.96E-07	1.50E-07	9.51E-07	1.47E-07	1.41E-07	2.18E-06
3288	475363.09	3847877.25	4.94E-03	5.04E-03	5.04E-03	1.71E-06	5.17E-06	2.99E-06	3.05E-06	2.77E-06	1.26E-06	1.26E-06	0.00E+00	0.00E+00	5.50E-07	1.04E-07	6.57E-07	1.01E-07	9.76E-08	1.51E-06
3289	475863.09	3847877.25	3.87E-03	3.95E-03	3.94E-03	1.34E-06	4.05E-06	2.34E-06	2.39E-06	2.17E-06	9.88E-07	9.87E-07	0.00E+00	0.00E+00	4.31E-07	8.11E-08	5.15E-07	7.94E-08	7.64E-08	1.18E-06
3290	476363.09	3847877.25	4.38E-03	4.47E-03	4.46E-03	1.52E-06	4.58E-06	2.65E-06	2.70E-06	2.45E-06	1.12E-06	1.12E-06	0.00E+00	0.00E+00	4.87E-07	9.18E-08	5.82E-07	8.98E-08	8.65E-08	1.34E-06
3291	476863.09	3847877.25	3.96E-03	4.04E-03	4.03E-03	1.37E-06	4.14E-06	2.39E-06	2.44E-06	2.21E-06	1.01E-06	1.01E-06	0.00E+00	0.00E+00	4.40E-07	8.29E-08	5.26E-07	8.11E-08	7.81E-08	1.21E-06
3292	477363.09	3847877.25	3.53E-03	3.60E-03	3.60E-03	1.22E-06	3.69E-06	2.14E-06	2.18E-06	1.98E-06	9.02E-07	9.01E-07	0.00E+00	0.00E+00	3.93E-07	7.40E-08	4.70E-07	7.24E-08	6.98E-08	1.08E-06
3293	477863.09	3847877.25	3.17E-03	3.23E-03	3.23E-03	1.10E-06	3.31E-06	1.92E-06	1.95E-06	1.77E-06	8.08E-07	8.07E-07	0.00E+00	0.00E+00	3.52E-07	6.63E-08	4.21E-07	6.49E-08	6.25E-08	9.67E-07
3294	478363.09	3847877.25	2.83E-03	2.89E-03	2.88E-03	9.80E-07	2.96E-06	1.71E-06	1.75E-06	1.58E-06	7.23E-07	7.22E-07	0.00E+00	0.00E+00	3.15E-07	5.93E-08	3.76E-07	5.80E-08	5.59E-08	8.65E-07
3295	478863.09	3847877.25	2.59E-03	2.64E-03	2.64E-03	8.97E-07	2.71E-06	1.57E-06	1.60E-06	1.45E-06	6.62E-07	6.61E-07	0.00E+00	0.00E+00	2.88E-07	5.43E-08	3.45E-07	5.31E-08	5.12E-08	7.92E-07
3296	479363.09	3847877.25	1.92E-03	1.96E-03	1.96E-03	6.65E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.91E-07	4.90E-07	0.00E+00	0.00E+00	2.14E-07	4.03E-08	2.55E-07	3.94E-08	3.79E-08	5.87E-07
3297	479863.09	3847877.25	1.23E-03	1.26E-03	1.26E-03	4.27E-07	1.29E-06	7.46E-07	7.61E-07	6.90E-07	3.15E-07	3.15E-07	0.00E+00	0.00E+00	1.37E-07	2.58E-08	1.64E-07	2.53E-08	2.44E-08	3.77E-07

3298	480363.09	3847877.25	1.26E-03	1.28E-03	1.28E-03	4.35E-07	1.31E-06	7.61E-07	7.76E-07	7.04E-07	3.21E-07	3.21E-07	0.00E+00	0.00E+00	1.40E-07	2.64E-08	1.67E-07	2.58E-08	2.48E-08	3.84E-07
3299	480863.09	3847877.25	1.11E-03	1.13E-03	1.13E-03	3.83E-07	1.16E-06	6.70E-07	6.83E-07	6.19E-07	2.83E-07	2.82E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.19E-08	3.38E-07
3300	481363.09	3847877.25	1.09E-03	1.11E-03	1.11E-03	3.78E-07	1.14E-06	6.60E-07	6.74E-07	6.11E-07	2.79E-07	2.78E-07	0.00E+00	0.00E+00	1.21E-07	2.29E-08	1.45E-07	2.24E-08	2.15E-08	3.33E-07
3301	481863.09	3847877.25	1.36E-03	1.39E-03	1.39E-03	4.72E-07	1.43E-06	8.25E-07	8.42E-07	7.64E-07	3.48E-07	3.48E-07	0.00E+00	0.00E+00	1.52E-07	2.86E-08	1.81E-07	2.80E-08	2.69E-08	4.17E-07
3302	482363.09	3847877.25	1.27E-03	1.29E-03	1.29E-03	4.38E-07	1.32E-06	7.66E-07	7.82E-07	7.09E-07	3.23E-07	3.23E-07	0.00E+00	0.00E+00	1.41E-07	2.65E-08	1.68E-07	2.60E-08	2.50E-08	3.87E-07
3303	482863.09	3847877.25	1.14E-03	1.17E-03	1.17E-03	3.96E-07	1.20E-06	6.92E-07	7.06E-07	6.40E-07	2.92E-07	2.92E-07	0.00E+00	0.00E+00	1.27E-07	2.40E-08	1.52E-07	2.35E-08	2.26E-08	3.50E-07
3304	483363.09	3847877.25	1.06E-03	1.09E-03	1.09E-03	3.69E-07	1.11E-06	6.44E-07	6.58E-07	5.96E-07	2.72E-07	2.72E-07	0.00E+00	0.00E+00	1.19E-07	2.23E-08	1.42E-07	2.18E-08	2.10E-08	3.25E-07
3305	483863.09	3847877.25	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.25E-07	6.37E-07	5.78E-07	2.64E-07	2.63E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.12E-08	2.04E-08	3.15E-07
3306	484363.09	3847877.25	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.09E-06	6.28E-07	6.41E-07	5.81E-07	2.65E-07	2.65E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.38E-07	2.13E-08	2.05E-08	3.17E-07
3307	484863.09	3847877.25	9.96E-04	1.02E-03	1.01E-03	3.45E-07	1.04E-06	6.02E-07	6.15E-07	5.57E-07	2.54E-07	2.54E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.32E-07	2.04E-08	1.97E-08	3.04E-07
3308	485363.09	3847877.25	9.83E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.95E-07	6.07E-07	5.50E-07	2.51E-07	2.51E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.02E-08	1.94E-08	3.00E-07
3309	485863.09	3847877.25	9.70E-04	9.90E-04	9.88E-04	3.36E-07	1.01E-06	5.87E-07	5.99E-07	5.43E-07	2.48E-07	2.47E-07	0.00E+00	0.00E+00	1.08E-07	2.03E-08	1.29E-07	1.99E-08	1.92E-08	2.96E-07
3310	486363.09	3847877.25	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.32E-07	5.40E-07	5.51E-07	4.99E-07	2.28E-07	2.27E-07	0.00E+00	0.00E+00	9.93E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.72E-07
3311	486863.09	3847877.25	8.30E-04	8.47E-04	8.46E-04	2.87E-07	8.67E-07	5.02E-07	5.12E-07	4.64E-07	2.12E-07	2.12E-07	0.00E+00	0.00E+00	9.24E-08	1.74E-08	1.10E-07	1.70E-08	1.64E-08	2.54E-07
3312	487363.09	3847877.25	7.85E-04	8.01E-04	8.00E-04	2.72E-07	8.21E-07	4.75E-07	4.85E-07	4.40E-07	2.01E-07	2.00E-07	0.00E+00	0.00E+00	8.74E-08	1.65E-08	1.04E-07	1.61E-08	1.55E-08	2.40E-07
3313	487863.09	3847877.25	7.20E-04	7.35E-04	7.34E-04	2.49E-07	7.53E-07	4.36E-07	4.45E-07	4.03E-07	1.84E-07	1.84E-07	0.00E+00	0.00E+00	8.02E-08	1.51E-08	9.58E-08	1.48E-08	1.42E-08	2.20E-07
3314	488363.09	3847877.25	6.84E-04	6.98E-04	6.97E-04	2.37E-07	7.15E-07	4.14E-07	4.22E-07	3.83E-07	1.75E-07	1.74E-07	0.00E+00	0.00E+00	7.61E-08	1.43E-08	9.09E-08	1.40E-08	1.35E-08	2.09E-07
3315	488863.09	3847877.25	6.62E-04	6.75E-04	6.74E-04	2.29E-07	6.91E-07	4.00E-07	4.08E-07	3.70E-07	1.69E-07	1.69E-07	0.00E+00	0.00E+00	7.36E-08	1.39E-08	8.80E-08	1.36E-08	1.31E-08	2.02E-07
3316	489363.09	3847877.25	6.40E-04	6.53E-04	6.53E-04	2.22E-07	6.69E-07	3.87E-07	3.95E-07	3.58E-07	1.64E-07	1.63E-07	0.00E+00	0.00E+00	7.13E-08	1.34E-08	8.51E-08	1.31E-08	1.26E-08	1.96E-07
3317	489863.09	3847877.25	6.43E-04	6.56E-04	6.56E-04	2.23E-07	6.72E-07	3.89E-07	3.97E-07	3.60E-07	1.64E-07	1.64E-07	0.00E+00	0.00E+00	7.16E-08	1.35E-08	8.55E-08	1.32E-08	1.27E-08	1.97E-07
3318	490363.09	3847877.25	6.12E-04	6.25E-04	6.24E-04	2.12E-07	6.40E-07	3.70E-07	3.78E-07	3.43E-07	1.56E-07	1.56E-07	0.00E+00	0.00E+00	6.81E-08	1.28E-08	8.14E-08	1.26E-08	1.21E-08	1.87E-07
3319	490863.09	3847877.25	5.70E-04	5.81E-04	5.81E-04	1.97E-07	5.95E-07	3.45E-07	3.52E-07	3.19E-07	1.45E-07	1.45E-07	0.00E+00	0.00E+00	6.34E-08	1.19E-08	7.57E-08	1.17E-08	1.13E-08	1.74E-07
3320	491363.09	3847877.25	5.10E-04	5.20E-04	5.20E-04	1.76E-07	5.33E-07	3.08E-07	3.15E-07	2.85E-07	1.30E-07	1.30E-07	0.00E+00	0.00E+00	5.67E-08	1.07E-08	6.78E-08	1.05E-08	1.01E-08	1.56E-07
3321	491863.09	3847877.25	4.90E-04	5.00E-04	5.00E-04	1.70E-07	5.12E-07	2.97E-07	3.03E-07	2.74E-07	1.25E-07	1.25E-07	0.00E+00	0.00E+00	5.46E-08	1.03E-08	6.52E-08	1.01E-08	9.68E-09	1.50E-07
3322	492363.09	3847877.25	4.78E-04	4.88E-04	4.87E-04	1.66E-07	5.00E-07	2.89E-07	2.95E-07	2.68E-07	1.22E-07	1.22E-07	0.00E+00	0.00E+00	5.32E-08	1.00E-08	6.36E-08	9.81E-09	9.45E-09	1.46E-07
3323	492863.09	3847877.25	4.59E-04	4.69E-04	4.68E-04	1.59E-07	4.80E-07	2.78E-07	2.84E-07	2.57E-07	1.17E-07	1.17E-07	0.00E+00	0.00E+00	5.11E-08	9.63E-09	6.11E-08	9.42E-09	9.07E-09	1.40E-07
3324	493363.09	3847877.25	4.15E-04	4.24E-04	4.23E-04	1.44E-07	4.34E-07	2.51E-07	2.57E-07	2.33E-07	1.06E-07	1.06E-07	0.00E+00	0.00E+00	4.62E-08	8.71E-09	5.53E-08	8.52E-09	8.21E-09	1.27E-07
3325	493863.09	3847877.25	3.86E-04	3.94E-04	3.93E-04	1.34E-07	4.03E-07	2.34E-07	2.38E-07	2.16E-07	9.86E-08	9.85E-08	0.00E+00	0.00E+00	4.30E-08	8.09E-09	5.13E-08	7.92E-09	7.62E-09	1.18E-07
3326	494363.09	3847877.25	3.71E-04	3.78E-04	3.78E-04	1.28E-07	3.87E-07	2.24E-07	2.29E-07	2.07E-07	9.47E-08	9.46E-08	0.00E+00	0.00E+00	4.13E-08	7.77E-09	4.93E-08	7.60E-09	7.32E-09	1.13E-07
3327	494863.09	3847877.25	3.62E-04	3.70E-04	3.69E-04	1.25E-07	3.79E-07	2.19E-07	2.24E-07	2.03E-07	9.26E-08	9.25E-08	0.00E+00	0.00E+00	4.03E-08	7.60E-09	4.82E-08	7.43E-09	7.16E-09	1.11E-07
3328	495363.09	3847877.25	3.44E-04	3.51E-04	3.51E-04	1.19E-07	3.60E-07	2.08E-07	2.12E-07	1.93E-07	8.79E-08	8.78E-08	0.00E+00	0.00E+00	3.83E-08	7.21E-09	4.58E-08	7.06E-09	6.80E-09	1.05E-07
3329	495863.09	3847877.25	2.90E-04	2.96E-04	2.96E-04	1.00E-07	3.03E-07	1.76E-07	1.79E-07	1.62E-07	7.41E-08	7.40E-08	0.00E+00	0.00E+00	3.23E-08	6.08E-09	3.86E-08	5.95E-09	5.73E-09	8.87E-08
3330	496363.09	3847877.25	3.40E-04	3.47E-04	3.46E-04	1.18E-07	3.55E-07	2.06E-07	2.10E-07	1.90E-07	8.68E-08	8.67E-08	0.00E+00	0.00E+00	3.78E-08	7.12E-09	4.52E-08	6.97E-09	6.71E-09	1.04E-07
3331	496863.09	3847877.25	3.49E-04	3.57E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.96E-07	8.92E-08	8.91E-08	0.00E+00	0.00E+00	3.89E-08	7.32E-09	4.65E-08	7.17E-09	6.90E-09	1.07E-07
3332	497363.09	3847877.25	3.68E-04	3.76E-04	3.75E-04	1.28E-07	3.85E-07	2.23E-07	2.27E-07	2.06E-07	9.41E-08	9.40E-08	0.00E+00	0.00E+00	4.10E-08	7.72E-09	4.90E-08	7.55E-09	7.28E-09	1.13E-07
3333	497863.09	3847877.25	4.19E-04	4.28E-04	4.27E-04	1.45E-07	4.38E-07	2.54E-07	2.59E-07	2.35E-07	1.07E-07	1.07E-07	0.00E+00	0.00E+00	4.66E-08	8.78E-09	5.57E-08	8.59E-09	8.28E-09	1.28E-07
3334	498363.09	3847877.25	4.26E-04	4.35E-04	4.35E-04	1.48E-07	4.46E-07	2.58E-07	2.63E-07	2.39E-07	1.09E-07	1.09E-07	0.00E+00	0.00E+00	4.75E-08	8.94E-09	5.67E-08	8.74E-09	8.42E-09	1.30E-07
3335	471363.09	3848377.25	1.08E-03	1.10E-03	1.10E-03	3.74E-07	1.13E-06	6.54E-07	6.67E-07	6.05E-07	2.76E-07	2.76E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.44E-07	2.22E-08	2.13E-08	3.30E-07
3336	471863.09	3848377.25	1.31E-03	1.34E-03	1.34E-03	4.55E-07	1.37E-06	7.95E-07	8.12E-07	7.36E-07	3.36E-07	3.35E-07	0.00E+00	0.00E+00	1.46E-07	2.75E-08	1.75E-07	2.70E-08	2.60E-08	4.02E-07
3337	472363.09	3848377.25	1.67E-03	1.71E-03	1.70E-03	5.78E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.27E-07	4.26E-07	0.00E+00	0.00E+00	1.86E-07	3.50E-08	2.22E-07	3.43E-08	3.30E-08	5.11E-07
3338	472863.09	3848377.25	2.27E-03	2.32E-03	2.32E-03	7.86E-07	2.37E-06	1.37E-06	1.40E-06	1.27E-06	5.80E-07	5.80E-07	0.00E+00	0.00E+00	2.53E-07	4.76E-08	3.02E-07	4.66E-08	4.49E-08	6.94E-07
3339	473363.09	3848377.25	3.41E-03	3.48E-03	3.48E-03	1.18E-06	3.56E-06	2.06E-06	2.11E-06	1.91E-06	8.71E-07	8.70E-07	0.00E+00	0.00E+00	3.80E-07	7.15E-08	4.54E-07	6.99E-08	6.74E-08	1.04E-06
3340	473863.09	3848377.25	6.27E-03	6.40E-03	6.39E-03	2.17E-06	6.56E-06	3.80E-06	3.87E-06	3.51E-06	1.60E-06	1.60E-06	0.00E+00	0.00E+00	6.98E-07	1.31E-07	8.34E-07	1.29E-07	1.24E-07	1.92E-06
3341	474363.09	3848377.25	2.27E-02	2.32E-02	2.32E-02	7.87E-06	2.37E-05	1.37E-05	1.40E-05	1.27E-05	5.80E-06	5.80E-06	0.00E+00	0.00E+00	2.53E-06	4.76E-07	3.02E-06	4.66E-07	4.49E-07	6.94E-06
3342	474863.09	3848377.25	2.11E-02	2.15E-02	2.15E-02	7.30E-06	2.21E-05	1.28E-05	1.30E-05	1.18E-05	5.39E-06	5.38E-06	0.00E+00	0.00E+00	2.35E-06	4.42E-07	2.81E-06	4.33E-07	4.17E-07	6.45E-06
3343	475363.09	3848377.25	1.44E-02	1.47E-02	1.47E-02	5.00E-06	1.51E-05	8.74E-06	8.92E-06	8.09E-06	3.69E-06	3.69E-06	0.00E+00	0.00E+00	1.61E-06	3.03E-07	1.92E-06	2.96E-07	2.85E-07	4.41E-06
3344	475863.09	3848377.25	8.79E-03	8.97E-03	8.96E-03	3.04E-06	9.18E-06	5.32E-06	5.43E-06	4.92E-06	2.24E-06	2.24E-06	0.00E+00	0.00E+00	9.78E-07	1.84E-07	1.17E-06	1.80E-07	1.74E-07	2.68E-06
3345	476363.09	3848377.25	6.12E-03	6.24E-03	6.24E-03	2.12E-06	6.39E-06	3.70E-06	3.78E-06	3.42E-06	1.56E-06	1.56E-06	0.00E+00	0.00E+00	6.81E-07	1.28E-07	8.14E-07	1.25E-07	1.21E-07	1.87E-06
3346	476863.09	3848377.25	6.56E-03	6.70E-03	6.69E-03	2.27E-06	6.86E-06	3.97E-06	4.05E-06	3.67E-06	1.68E-06	1.67E-06	0.00E+00	0.00E+00	7.31E-07	1.38E-07	8.73E-07	1.35E-07	1.30E-07	2.01E-06
3347	477363.09	3848377.25	5.66E-03	5.77E-03	5.77E-03	1.96E-06	5.91E-06	3.42E-06	3.49E-06	3.17E-06	1.44E-06	1.44E-06	0.00E+00	0.00E+00	6.30E-07	1.19E-07	7.52E-07	1.16E-07	1.12E-07	1.73E-06
3348	477863.09	3848377.25	5.10E-03	5.21E-03	5.20E-03	1.77E-06	5.33E-06	3.09E-06	3.15E-06	2.85E-06	1.30E-06	1.30E-06	0.00E+00	0.00E+00	5.68E-07	1.07E-07	6.78E-07	1.05E-07	1.01E-07	1.56E-06
3349	478363.09	3848377.25	4.49E-03	4.58E-03	4.57E-03	1.55E-06	4.69E-06	2.71E-06	2.77E-06	2.51E-06	1.15E-06	1.14E-06	0.00E+00	0.00E+00	4.99E-07	9.40E-08	5.96E-07	9.20E-08	8.86E-08	1.37E-06
3350	478863.09	3848377.25	3.81E-03	3.88E-03	3.88E-03	1.32E-06	3.98E-06	2.30E-06	2.35E-06	2.13E-06	9.72E-07	9.71E-07	0.00E+00	0.00E+00	4.24E-07	7.98E-08	5.06E-07	7.81E-08	7.52E-08	1.16E-06
3351	479363.09	3848377.25	2.85E-03	2.91E-03	2.90E-03	9.86E-07	2.98E-06	1.72E-06	1.76E-06	1.59E-06	7.27E-07	7.27E-07	0.00E+00	0.00E+00	3.17E-07	5.97E-08	3.79E-07	5.84E-08	5.63E-08	8.70E-07
3352	479863.09	3848377.25	1.21E-03	1.24E-03	1.23E-03	4.19E-07	1.27E-06	7.32E-07	7.47E-07	6.77E-07	3.09E-07	3.09E-07	0.00E+00	0.00E+00	1.35E-07	2.54E-08	1.61E-07	2.48E-08	2.39E-08	3.70E-07
3353	480363.09	3848377.25	1.60E-03	1.63E-03	1.63E-03	5.54E-07	1.67E-06	9.68E-07	9.88E-07	8.95E-07	4.08E-07	4.08E-07	0.00E+00	0.00E+00	1.78E-07	3.35E-08	2.13E-07	3.28E-08	3.16E-08	4.89E-07

3354	480863.09	3848377.25	1.97E-03	2.01E-03	2.01E-03	6.83E-07	2.06E-06	1.19E-06	1.22E-06	1.10E-06	5.04E-07	5.03E-07	0.00E+00	0.00E+00	2.20E-07	4.13E-08	2.62E-07	4.05E-08	3.90E-08	6.03E-07
3355	481363.09	3848377.25	1.88E-03	1.92E-03	1.92E-03	6.52E-07	1.97E-06	1.14E-06	1.16E-06	1.05E-06	4.81E-07	4.80E-07	0.00E+00	0.00E+00	2.10E-07	3.94E-08	2.50E-07	3.86E-08	3.72E-08	5.75E-07
3356	481863.09	3848377.25	1.85E-03	1.88E-03	1.88E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.71E-07	4.71E-07	0.00E+00	0.00E+00	2.05E-07	3.87E-08	2.45E-07	3.79E-08	3.65E-08	5.64E-07
3357	482363.09	3848377.25	1.76E-03	1.80E-03	1.79E-03	6.09E-07	1.84E-06	1.06E-06	1.09E-06	9.85E-07	4.49E-07	4.49E-07	0.00E+00	0.00E+00	1.96E-07	3.69E-08	2.34E-07	3.61E-08	3.47E-08	5.37E-07
3358	482863.09	3848377.25	1.55E-03	1.58E-03	1.58E-03	5.35E-07	1.62E-06	9.35E-07	9.54E-07	8.65E-07	3.95E-07	3.94E-07	0.00E+00	0.00E+00	1.72E-07	3.24E-08	2.06E-07	3.17E-08	3.05E-08	4.72E-07
3359	483363.09	3848377.25	1.44E-03	1.47E-03	1.47E-03	5.00E-07	1.51E-06	8.74E-07	8.91E-07	8.08E-07	3.69E-07	3.68E-07	0.00E+00	0.00E+00	1.61E-07	3.03E-08	1.92E-07	2.96E-08	2.85E-08	4.41E-07
3360	483863.09	3848377.25	1.31E-03	1.33E-03	1.33E-03	4.52E-07	1.37E-06	7.91E-07	8.07E-07	7.31E-07	3.34E-07	3.33E-07	0.00E+00	0.00E+00	1.45E-07	2.74E-08	1.74E-07	2.68E-08	2.58E-08	3.99E-07
3361	484363.09	3848377.25	1.27E-03	1.30E-03	1.29E-03	4.40E-07	1.33E-06	7.68E-07	7.84E-07	7.11E-07	3.24E-07	3.24E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.60E-08	2.51E-08	3.88E-07
3362	484863.09	3848377.25	1.30E-03	1.33E-03	1.33E-03	4.51E-07	1.36E-06	7.88E-07	8.04E-07	7.28E-07	3.32E-07	3.32E-07	0.00E+00	0.00E+00	1.45E-07	2.73E-08	1.73E-07	2.67E-08	2.57E-08	3.98E-07
3363	485363.09	3848377.25	1.25E-03	1.27E-03	1.27E-03	4.31E-07	1.30E-06	7.54E-07	7.69E-07	6.97E-07	3.18E-07	3.18E-07	0.00E+00	0.00E+00	1.39E-07	2.61E-08	1.66E-07	2.55E-08	2.46E-08	3.81E-07
3364	485863.09	3848377.25	1.20E-03	1.23E-03	1.22E-03	4.16E-07	1.26E-06	7.27E-07	7.41E-07	6.72E-07	3.07E-07	3.06E-07	0.00E+00	0.00E+00	1.34E-07	2.52E-08	1.60E-07	2.46E-08	2.37E-08	3.67E-07
3365	486363.09	3848377.25	1.12E-03	1.14E-03	1.14E-03	3.88E-07	1.17E-06	6.79E-07	6.92E-07	6.28E-07	2.86E-07	2.86E-07	0.00E+00	0.00E+00	1.25E-07	2.35E-08	1.49E-07	2.30E-08	2.22E-08	3.43E-07
3366	486863.09	3848377.25	1.03E-03	1.05E-03	1.05E-03	3.56E-07	1.08E-06	6.23E-07	6.36E-07	5.76E-07	2.63E-07	2.63E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.11E-08	2.03E-08	3.15E-07
3367	487363.09	3848377.25	9.22E-04	9.41E-04	9.40E-04	3.19E-07	9.64E-07	5.58E-07	5.69E-07	5.16E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.03E-07	1.93E-08	1.23E-07	1.89E-08	1.82E-08	2.82E-07
3368	487863.09	3848377.25	8.80E-04	8.98E-04	8.97E-04	3.05E-07	9.20E-07	5.33E-07	5.43E-07	4.93E-07	2.25E-07	2.25E-07	0.00E+00	0.00E+00	9.80E-08	1.84E-08	1.17E-07	1.80E-08	1.74E-08	2.69E-07
3369	488363.09	3848377.25	8.34E-04	8.51E-04	8.50E-04	2.89E-07	8.72E-07	5.05E-07	5.15E-07	4.67E-07	2.13E-07	2.13E-07	0.00E+00	0.00E+00	9.29E-08	1.75E-08	1.11E-07	1.71E-08	1.65E-08	2.55E-07
3370	488863.09	3848377.25	7.99E-04	8.15E-04	8.14E-04	2.76E-07	8.35E-07	4.83E-07	4.93E-07	4.47E-07	2.04E-07	2.04E-07	0.00E+00	0.00E+00	8.89E-08	1.67E-08	1.06E-07	1.64E-08	1.58E-08	2.44E-07
3371	489363.09	3848377.25	7.76E-04	7.91E-04	7.90E-04	2.68E-07	8.11E-07	4.69E-07	4.79E-07	4.34E-07	1.98E-07	1.98E-07	0.00E+00	0.00E+00	8.63E-08	1.63E-08	1.03E-07	1.59E-08	1.53E-08	2.37E-07
3372	489863.09	3848377.25	7.77E-04	7.93E-04	7.92E-04	2.69E-07	8.12E-07	4.70E-07	4.80E-07	4.35E-07	1.99E-07	1.98E-07	0.00E+00	0.00E+00	8.65E-08	1.63E-08	1.03E-07	1.59E-08	1.54E-08	2.37E-07
3373	490363.09	3848377.25	7.33E-04	7.48E-04	7.47E-04	2.54E-07	7.66E-07	4.43E-07	4.52E-07	4.10E-07	1.87E-07	1.87E-07	0.00E+00	0.00E+00	8.16E-08	1.54E-08	9.75E-08	1.50E-08	1.45E-08	2.24E-07
3374	490863.09	3848377.25	6.67E-04	6.81E-04	6.80E-04	2.31E-07	6.97E-07	4.04E-07	4.12E-07	3.73E-07	1.70E-07	1.70E-07	0.00E+00	0.00E+00	7.43E-08	1.40E-08	8.87E-08	1.37E-08	1.32E-08	2.04E-07
3375	491363.09	3848377.25	6.15E-04	6.28E-04	6.27E-04	2.13E-07	6.43E-07	3.72E-07	3.80E-07	3.44E-07	1.57E-07	1.57E-07	0.00E+00	0.00E+00	6.85E-08	1.29E-08	8.18E-08	1.26E-08	1.21E-08	1.88E-07
3376	491863.09	3848377.25	5.76E-04	5.88E-04	5.87E-04	2.00E-07	6.02E-07	3.49E-07	3.56E-07	3.23E-07	1.47E-07	1.47E-07	0.00E+00	0.00E+00	6.42E-08	1.21E-08	7.66E-08	1.18E-08	1.14E-08	1.76E-07
3377	492363.09	3848377.25	5.14E-04	5.24E-04	5.23E-04	1.78E-07	5.37E-07	3.11E-07	3.17E-07	2.87E-07	1.31E-07	1.31E-07	0.00E+00	0.00E+00	5.72E-08	1.08E-08	6.83E-08	1.05E-08	1.01E-08	1.57E-07
3378	492863.09	3848377.25	4.51E-04	4.60E-04	4.59E-04	1.56E-07	4.71E-07	2.73E-07	2.78E-07	2.52E-07	1.15E-07	1.15E-07	0.00E+00	0.00E+00	5.02E-08	9.45E-09	6.00E-08	9.25E-09	8.90E-09	1.38E-07
3379	493363.09	3848377.25	4.19E-04	4.28E-04	4.27E-04	1.45E-07	4.38E-07	2.54E-07	2.59E-07	2.35E-07	1.07E-07	1.07E-07	0.00E+00	0.00E+00	4.66E-08	8.78E-09	5.57E-08	8.59E-09	8.28E-09	1.28E-07
3380	493863.09	3848377.25	3.91E-04	3.99E-04	3.98E-04	1.35E-07	4.08E-07	2.36E-07	2.41E-07	2.19E-07	9.98E-08	9.97E-08	0.00E+00	0.00E+00	4.35E-08	8.19E-09	5.20E-08	8.01E-09	7.72E-09	1.19E-07
3381	494363.09	3848377.25	3.65E-04	3.73E-04	3.72E-04	1.26E-07	3.82E-07	2.21E-07	2.26E-07	2.05E-07	9.33E-08	9.32E-08	0.00E+00	0.00E+00	4.07E-08	7.66E-09	4.86E-08	7.49E-09	7.22E-09	1.12E-07
3382	494863.09	3848377.25	3.60E-04	3.67E-04	3.67E-04	1.25E-07	3.76E-07	2.18E-07	2.22E-07	2.02E-07	9.20E-08	9.18E-08	0.00E+00	0.00E+00	4.01E-08	7.55E-09	4.79E-08	7.38E-09	7.11E-09	1.10E-07
3383	495363.09	3848377.25	3.19E-04	3.25E-04	3.25E-04	1.10E-07	3.33E-07	1.93E-07	1.97E-07	1.78E-07	8.14E-08	8.13E-08	0.00E+00	0.00E+00	3.55E-08	6.68E-09	4.24E-08	6.54E-09	6.30E-09	9.74E-08
3384	495863.09	3848377.25	3.06E-04	3.12E-04	3.12E-04	1.06E-07	3.20E-07	1.85E-07	1.89E-07	1.71E-07	7.82E-08	7.81E-08	0.00E+00	0.00E+00	3.41E-08	6.42E-09	4.07E-08	6.28E-09	6.05E-09	9.35E-08
3385	496363.09	3848377.25	3.24E-04	3.30E-04	3.30E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.81E-07	8.26E-08	8.25E-08	0.00E+00	0.00E+00	3.60E-08	6.78E-09	4.30E-08	6.63E-09	6.39E-09	9.88E-08
3386	496863.09	3848377.25	3.06E-04	3.12E-04	3.12E-04	1.06E-07	3.20E-07	1.85E-07	1.89E-07	1.71E-07	7.81E-08	7.80E-08	0.00E+00	0.00E+00	3.40E-08	6.41E-09	4.07E-08	6.27E-09	6.04E-09	9.34E-08
3387	497363.09	3848377.25	3.39E-04	3.46E-04	3.46E-04	1.18E-07	3.55E-07	2.05E-07	2.10E-07	1.90E-07	8.67E-08	8.66E-08	0.00E+00	0.00E+00	3.78E-08	7.11E-09	4.51E-08	6.96E-09	6.70E-09	1.04E-07
3388	497863.09	3848377.25	4.53E-04	4.63E-04	4.62E-04	1.57E-07	4.74E-07	2.74E-07	2.80E-07	2.54E-07	1.16E-07	1.16E-07	0.00E+00	0.00E+00	5.05E-08	9.50E-09	6.03E-08	9.30E-09	8.96E-09	1.39E-07
3389	498363.09	3848377.25	4.50E-04	4.59E-04	4.59E-04	1.56E-07	4.71E-07	2.72E-07	2.78E-07	2.52E-07	1.15E-07	1.15E-07	0.00E+00	0.00E+00	5.01E-08	9.44E-09	5.99E-08	9.23E-09	8.89E-09	1.38E-07
3390	471363.09	3848877.25	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.60E-07	6.73E-07	6.10E-07	2.78E-07	2.78E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.24E-08	2.15E-08	3.33E-07
3391	471863.09	3848877.25	1.33E-03	1.35E-03	1.35E-03	4.59E-07	1.39E-06	8.03E-07	8.19E-07	7.43E-07	3.39E-07	3.39E-07	0.00E+00	0.00E+00	1.48E-07	2.78E-08	1.76E-07	2.72E-08	2.62E-08	4.05E-07
3392	472363.09	3848877.25	1.65E-03	1.69E-03	1.69E-03	5.73E-07	1.73E-06	1.00E-06	1.02E-06	9.26E-07	4.23E-07	4.22E-07	0.00E+00	0.00E+00	1.84E-07	3.47E-08	2.20E-07	3.39E-08	3.27E-08	5.06E-07
3393	472863.09	3848877.25	2.14E-03	2.18E-03	2.18E-03	7.40E-07	2.23E-06	1.29E-06	1.32E-06	1.20E-06	5.46E-07	5.45E-07	0.00E+00	0.00E+00	2.38E-07	4.48E-08	2.84E-07	4.38E-08	4.22E-08	6.53E-07
3394	473363.09	3848877.25	2.92E-03	2.98E-03	2.98E-03	1.01E-06	3.05E-06	1.77E-06	1.80E-06	1.63E-06	7.46E-07	7.45E-07	0.00E+00	0.00E+00	3.25E-07	6.12E-08	3.88E-07	5.99E-08	5.77E-08	8.92E-07
3395	473863.09	3848877.25	4.27E-03	4.36E-03	4.36E-03	1.48E-06	4.47E-06	2.59E-06	2.64E-06	2.39E-06	1.09E-06	1.09E-06	0.00E+00	0.00E+00	4.76E-07	8.96E-08	5.68E-07	8.76E-08	8.44E-08	1.31E-06
3396	474363.09	3848877.25	6.79E-03	6.93E-03	6.92E-03	2.35E-06	7.09E-06	4.11E-06	4.19E-06	3.80E-06	1.73E-06	1.73E-06	0.00E+00	0.00E+00	7.55E-07	1.42E-07	9.03E-07	1.39E-07	1.34E-07	2.07E-06
3397	474863.09	3848877.25	1.92E-02	1.96E-02	1.96E-02	6.66E-06	2.01E-05	1.16E-05	1.19E-05	1.08E-05	4.92E-06	4.91E-06	0.00E+00	0.00E+00	2.14E-06	4.03E-07	2.56E-06	3.95E-07	3.80E-07	5.88E-06
3398	475363.09	3848877.25	3.79E-02	3.87E-02	3.87E-02	1.31E-05	3.97E-05	2.30E-05	2.34E-05	2.12E-05	9.69E-06	9.68E-06	0.00E+00	0.00E+00	4.22E-06	7.95E-07	5.05E-06	7.78E-07	7.49E-07	1.16E-05
3399	475863.09	3848877.25	2.10E-02	2.14E-02	2.14E-02	7.27E-06	2.19E-05	1.27E-05	1.30E-05	1.18E-05	5.36E-06	5.36E-06	0.00E+00	0.00E+00	2.34E-06	4.40E-07	2.79E-06	4.31E-07	4.15E-07	6.41E-06
3400	476363.09	3848877.25	1.46E-02	1.49E-02	1.49E-02	5.05E-06	1.52E-05	8.82E-06	9.00E-06	8.16E-06	3.72E-06	3.72E-06	0.00E+00	0.00E+00	1.62E-06	3.06E-07	1.94E-06	2.99E-07	2.88E-07	4.45E-06
3401	476863.09	3848877.25	1.11E-02	1.13E-02	1.13E-02	3.83E-06	1.16E-05	6.70E-06	6.83E-06	6.20E-06	2.83E-06	2.82E-06	0.00E+00	0.00E+00	1.23E-06	2.32E-07	1.47E-06	2.27E-07	2.19E-07	3.38E-06
3402	477363.09	3848877.25	1.10E-02	1.13E-02	1.12E-02	3.82E-06	1.15E-05	6.67E-06	6.81E-06	6.17E-06	2.82E-06	2.81E-06	0.00E+00	0.00E+00	1.23E-06	2.31E-07	1.47E-06	2.26E-07	2.18E-07	3.37E-06
3403	477863.09	3848877.25	8.94E-03	9.12E-03	9.11E-03	3.09E-06	9.34E-06	5.41E-06	5.52E-06	5.00E-06	2.28E-06	2.28E-06	0.00E+00	0.00E+00	9.95E-07	1.87E-07	1.19E-06	1.83E-07	1.77E-07	2.73E-06
3404	478363.09	3848877.25	7.58E-03	7.73E-03	7.72E-03	2.62E-06	7.92E-06	4.58E-06	4.68E-06	4.24E-06	1.93E-06	1.93E-06	0.00E+00	0.00E+00	8.43E-07	1.59E-07	1.01E-06	1.55E-07	1.50E-07	2.31E-06
3405	478863.09	3848877.25	6.14E-03	6.27E-03	6.26E-03	2.13E-06	6.42E-06	3.72E-06	3.79E-06	3.44E-06	1.57E-06	1.57E-06	0.00E+00	0.00E+00	6.84E-07	1.29E-07	8.17E-07	1.26E-07	1.21E-07	1.88E-06
3406	479363.09	3848877.25	4.77E-03	4.87E-03	4.86E-03	1.65E-06	4.99E-06	2.89E-06	2.95E-06	2.67E-06	1.22E-06	1.22E-06	0.00E+00	0.00E+00	5.31E-07	1.00E-07	6.35E-07	9.79E-08	9.43E-08	1.46E-06
3407	479863.09	3848877.25	3.67E-03	3.74E-03	3.74E-03	1.27E-06	3.83E-06	2.22E-06	2.26E-06	2.05E-06	9.36E-07	9.35E-07	0.00E+00	0.00E+00	4.08E-07	7.68E-08	4.88E-07	7.52E-08	7.24E-08	1.12E-06
3408	480363.09	3848877.25	3.43E-03	3.50E-03	3.49E-03	1.19E-06	3.58E-06	2.07E-06	2.11E-06	1.92E-06	8.75E-07	8.74E-07	0.00E+00	0.00E+00	3.81E-07	7.18E-08	4.55E-07	7.02E-08	6.77E-08	1.05E-06
3409	480863.09	3848877.25	3.21E-03	3.28E-03	3.27E-03	1.11E-06	3.36E-06	1.94E-06	1.98E-06	1.80E-06	8.20E-07	8.19E-07	0.00E+00	0.00E+00	3.58E-07	6.73E-08	4.27E-07	6.59E-08	6.34E-08	9.81E-07

3410	481363.09	3848877.25	2.85E-03	2.91E-03	2.90E-03	9.86E-07	2.98E-06	1.72E-06	1.76E-06	1.59E-06	7.28E-07	7.27E-07	0.00E+00	0.00E+00	3.17E-07	5.97E-08	3.79E-07	5.84E-08	5.63E-08	8.71E-07
3411	481863.09	3848877.25	2.42E-03	2.47E-03	2.47E-03	8.39E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.19E-07	6.18E-07	0.00E+00	0.00E+00	2.70E-07	5.08E-08	3.22E-07	4.97E-08	4.79E-08	7.40E-07
3412	482363.09	3848877.25	2.01E-03	2.05E-03	2.05E-03	6.95E-07	2.10E-06	1.22E-06	1.24E-06	1.12E-06	5.13E-07	5.12E-07	0.00E+00	0.00E+00	2.24E-07	4.21E-08	2.67E-07	4.12E-08	3.97E-08	6.14E-07
3413	482863.09	3848877.25	1.69E-03	1.73E-03	1.73E-03	5.86E-07	1.77E-06	1.02E-06	1.05E-06	9.48E-07	4.32E-07	4.32E-07	0.00E+00	0.00E+00	1.89E-07	3.55E-08	2.25E-07	3.47E-08	3.34E-08	5.17E-07
3414	483363.09	3848877.25	1.47E-03	1.50E-03	1.50E-03	5.09E-07	1.54E-06	8.89E-07	9.07E-07	8.22E-07	3.75E-07	3.75E-07	0.00E+00	0.00E+00	1.64E-07	3.08E-08	1.95E-07	3.01E-08	2.90E-08	4.49E-07
3415	483863.09	3848877.25	1.39E-03	1.42E-03	1.42E-03	4.81E-07	1.45E-06	8.40E-07	8.57E-07	7.77E-07	3.55E-07	3.54E-07	0.00E+00	0.00E+00	1.55E-07	2.91E-08	1.85E-07	2.85E-08	2.74E-08	4.24E-07
3416	484363.09	3848877.25	1.53E-03	1.57E-03	1.56E-03	5.31E-07	1.60E-06	9.29E-07	9.48E-07	8.59E-07	3.92E-07	3.91E-07	0.00E+00	0.00E+00	1.71E-07	3.22E-08	2.04E-07	3.15E-08	3.03E-08	4.69E-07
3417	484863.09	3848877.25	1.65E-03	1.68E-03	1.68E-03	5.70E-07	1.72E-06	9.96E-07	1.02E-06	9.21E-07	4.20E-07	4.20E-07	0.00E+00	0.00E+00	1.83E-07	3.45E-08	2.19E-07	3.37E-08	3.25E-08	5.03E-07
3418	485363.09	3848877.25	1.55E-03	1.59E-03	1.58E-03	5.38E-07	1.62E-06	9.40E-07	9.59E-07	8.69E-07	3.97E-07	3.96E-07	0.00E+00	0.00E+00	1.73E-07	3.26E-08	2.07E-07	3.19E-08	3.07E-08	4.75E-07
3419	485863.09	3848877.25	1.47E-03	1.50E-03	1.50E-03	5.08E-07	1.53E-06	8.89E-07	9.07E-07	8.22E-07	3.75E-07	3.75E-07	0.00E+00	0.00E+00	1.63E-07	3.08E-08	1.95E-07	3.01E-08	2.90E-08	4.49E-07
3420	486363.09	3848877.25	1.33E-03	1.36E-03	1.36E-03	4.60E-07	1.39E-06	8.05E-07	8.21E-07	7.44E-07	3.40E-07	3.39E-07	0.00E+00	0.00E+00	1.48E-07	2.79E-08	1.77E-07	2.73E-08	2.63E-08	4.06E-07
3421	486863.09	3848877.25	1.19E-03	1.21E-03	1.21E-03	4.11E-07	1.24E-06	7.19E-07	7.33E-07	6.65E-07	3.03E-07	3.03E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.35E-08	3.63E-07
3422	487363.09	3848877.25	1.14E-03	1.17E-03	1.16E-03	3.95E-07	1.19E-06	6.91E-07	7.05E-07	6.39E-07	2.92E-07	2.91E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.52E-07	2.34E-08	2.26E-08	3.49E-07
3423	487863.09	3848877.25	1.06E-03	1.08E-03	1.08E-03	3.68E-07	1.11E-06	6.43E-07	6.56E-07	5.95E-07	2.71E-07	2.71E-07	0.00E+00	0.00E+00	1.18E-07	2.23E-08	1.41E-07	2.18E-08	2.10E-08	3.25E-07
3424	488363.09	3848877.25	1.01E-03	1.03E-03	1.03E-03	3.50E-07	1.06E-06	6.12E-07	6.24E-07	5.66E-07	2.58E-07	2.58E-07	0.00E+00	0.00E+00	1.13E-07	2.12E-08	1.34E-07	2.07E-08	2.00E-08	3.09E-07
3425	488863.09	3848877.25	9.50E-04	9.69E-04	9.68E-04	3.29E-07	9.93E-07	5.75E-07	5.87E-07	5.32E-07	2.43E-07	2.42E-07	0.00E+00	0.00E+00	1.06E-07	1.99E-08	1.26E-07	1.95E-08	1.88E-08	2.90E-07
3426	489363.09	3848877.25	9.22E-04	9.41E-04	9.40E-04	3.19E-07	9.64E-07	5.58E-07	5.69E-07	5.16E-07	2.36E-07	2.35E-07	0.00E+00	0.00E+00	1.03E-07	1.93E-08	1.23E-07	1.89E-08	1.82E-08	2.82E-07
3427	489863.09	3848877.25	8.97E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.43E-07	5.54E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.98E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
3428	490363.09	3848877.25	8.17E-04	8.34E-04	8.33E-04	2.83E-07	8.54E-07	4.94E-07	5.04E-07	4.57E-07	2.09E-07	2.08E-07	0.00E+00	0.00E+00	9.10E-08	1.71E-08	1.09E-07	1.68E-08	1.61E-08	2.50E-07
3429	490863.09	3848877.25	7.40E-04	7.56E-04	7.55E-04	2.56E-07	7.74E-07	4.48E-07	4.57E-07	4.14E-07	1.89E-07	1.89E-07	0.00E+00	0.00E+00	8.24E-08	1.55E-08	9.85E-08	1.52E-08	1.46E-08	2.26E-07
3430	491363.09	3848877.25	6.90E-04	7.04E-04	7.03E-04	2.39E-07	7.21E-07	4.17E-07	4.26E-07	3.86E-07	1.76E-07	1.76E-07	0.00E+00	0.00E+00	7.68E-08	1.45E-08	9.17E-08	1.41E-08	1.36E-08	2.11E-07
3431	491863.09	3848877.25	6.06E-04	6.18E-04	6.18E-04	2.10E-07	6.34E-07	3.67E-07	3.74E-07	3.39E-07	1.55E-07	1.55E-07	0.00E+00	0.00E+00	6.75E-08	1.27E-08	8.06E-08	1.24E-08	1.20E-08	1.85E-07
3432	492363.09	3848877.25	5.27E-04	5.38E-04	5.37E-04	1.82E-07	5.51E-07	3.19E-07	3.25E-07	2.95E-07	1.35E-07	1.34E-07	0.00E+00	0.00E+00	5.87E-08	1.10E-08	7.01E-08	1.08E-08	1.04E-08	1.61E-07
3433	492863.09	3848877.25	4.47E-04	4.56E-04	4.55E-04	1.55E-07	4.67E-07	2.70E-07	2.76E-07	2.50E-07	1.14E-07	1.14E-07	0.00E+00	0.00E+00	4.97E-08	9.36E-09	5.94E-08	9.16E-09	8.82E-09	1.36E-07
3434	493363.09	3848877.25	3.77E-04	3.84E-04	3.84E-04	1.30E-07	3.94E-07	2.28E-07	2.33E-07	2.11E-07	9.62E-08	9.61E-08	0.00E+00	0.00E+00	4.19E-08	7.89E-09	5.01E-08	7.72E-09	7.44E-09	1.15E-07
3435	493863.09	3848877.25	3.72E-04	3.79E-04	3.79E-04	1.29E-07	3.88E-07	2.25E-07	2.29E-07	2.08E-07	9.49E-08	9.48E-08	0.00E+00	0.00E+00	4.14E-08	7.79E-09	4.94E-08	7.62E-09	7.34E-09	1.14E-07
3436	494363.09	3848877.25	3.54E-04	3.61E-04	3.61E-04	1.23E-07	3.70E-07	2.14E-07	2.19E-07	1.98E-07	9.04E-08	9.03E-08	0.00E+00	0.00E+00	3.94E-08	7.42E-09	4.71E-08	7.26E-09	6.99E-09	1.08E-07
3437	494863.09	3848877.25	3.57E-04	3.65E-04	3.64E-04	1.24E-07	3.74E-07	2.16E-07	2.21E-07	2.00E-07	9.13E-08	9.12E-08	0.00E+00	0.00E+00	3.98E-08	7.49E-09	4.75E-08	7.33E-09	7.06E-09	1.09E-07
3438	495363.09	3848877.25	3.52E-04	3.60E-04	3.59E-04	1.22E-07	3.68E-07	2.13E-07	2.18E-07	1.97E-07	9.00E-08	8.99E-08	0.00E+00	0.00E+00	3.92E-08	7.39E-09	4.69E-08	7.23E-09	6.96E-09	1.08E-07
3439	495863.09	3848877.25	3.06E-04	3.12E-04	3.11E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.71E-07	7.80E-08	7.79E-08	0.00E+00	0.00E+00	3.40E-08	6.40E-09	4.06E-08	6.27E-09	6.04E-09	9.34E-08
3440	496363.09	3848877.25	3.02E-04	3.08E-04	3.08E-04	1.04E-07	3.15E-07	1.83E-07	1.86E-07	1.69E-07	7.71E-08	7.70E-08	0.00E+00	0.00E+00	3.36E-08	6.32E-09	4.01E-08	6.19E-09	5.96E-09	9.22E-08
3441	496863.09	3848877.25	3.35E-04	3.42E-04	3.42E-04	1.16E-07	3.50E-07	2.03E-07	2.07E-07	1.88E-07	8.56E-08	8.55E-08	0.00E+00	0.00E+00	3.73E-08	7.03E-09	4.46E-08	6.88E-09	6.62E-09	1.02E-07
3442	497363.09	3848877.25	4.25E-04	4.34E-04	4.33E-04	1.47E-07	4.44E-07	2.57E-07	2.62E-07	2.38E-07	1.09E-07	1.08E-07	0.00E+00	0.00E+00	4.73E-08	8.90E-09	5.65E-08	8.71E-09	8.39E-09	1.30E-07
3443	497863.09	3848877.25	4.55E-04	4.65E-04	4.64E-04	1.58E-07	4.76E-07	2.75E-07	2.81E-07	2.55E-07	1.16E-07	1.16E-07	0.00E+00	0.00E+00	5.07E-08	9.54E-09	6.05E-08	9.34E-09	8.99E-09	1.39E-07
3444	498363.09	3848877.25	4.72E-04	4.81E-04	4.81E-04	1.63E-07	4.93E-07	2.85E-07	2.91E-07	2.64E-07	1.20E-07	1.20E-07	0.00E+00	0.00E+00	5.25E-08	9.89E-09	6.27E-08	9.67E-09	9.32E-09	1.44E-07
3445	471363.09	3849377.25	1.06E-03	1.08E-03	1.08E-03	3.66E-07	1.11E-06	6.40E-07	6.54E-07	5.92E-07	2.70E-07	2.70E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.17E-08	2.09E-08	3.23E-07
3446	471863.09	3849377.25	1.28E-03	1.30E-03	1.30E-03	4.42E-07	1.33E-06	7.73E-07	7.88E-07	7.15E-07	3.26E-07	3.26E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.52E-08	3.90E-07
3447	472363.09	3849377.25	1.54E-03	1.57E-03	1.57E-03	5.32E-07	1.61E-06	9.30E-07	9.49E-07	8.60E-07	3.92E-07	3.92E-07	0.00E+00	0.00E+00	1.71E-07	3.22E-08	2.04E-07	3.15E-08	3.04E-08	4.69E-07
3448	472863.09	3849377.25	1.91E-03	1.94E-03	1.94E-03	6.60E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.87E-07	4.86E-07	0.00E+00	0.00E+00	2.12E-07	3.99E-08	2.53E-07	3.91E-08	3.76E-08	5.82E-07
3449	473363.09	3849377.25	2.44E-03	2.49E-03	2.49E-03	8.46E-07	2.55E-06	1.48E-06	1.51E-06	1.37E-06	6.24E-07	6.23E-07	0.00E+00	0.00E+00	2.72E-07	5.12E-08	3.25E-07	5.01E-08	4.83E-08	7.46E-07
3450	473863.09	3849377.25	3.20E-03	3.26E-03	3.26E-03	1.11E-06	3.34E-06	1.93E-06	1.97E-06	1.79E-06	8.17E-07	8.16E-07	0.00E+00	0.00E+00	3.56E-07	6.70E-08	4.25E-07	6.56E-08	6.32E-08	9.77E-07
3451	474363.09	3849377.25	4.30E-03	4.39E-03	4.39E-03	1.49E-06	4.50E-06	2.60E-06	2.66E-06	2.41E-06	1.10E-06	1.10E-06	0.00E+00	0.00E+00	4.79E-07	9.02E-08	5.72E-07	8.83E-08	8.50E-08	1.31E-06
3452	474863.09	3849377.25	6.16E-03	6.29E-03	6.28E-03	2.13E-06	6.44E-06	3.73E-06	3.81E-06	3.45E-06	1.57E-06	1.57E-06	0.00E+00	0.00E+00	6.86E-07	1.29E-07	8.20E-07	1.26E-07	1.22E-07	1.88E-06
3453	475363.09	3849377.25	1.02E-02	1.04E-02	1.04E-02	3.54E-06	1.07E-05	6.19E-06	6.32E-06	5.73E-06	2.61E-06	2.61E-06	0.00E+00	0.00E+00	1.14E-06	2.14E-07	1.36E-06	2.10E-07	2.02E-07	3.13E-06
3454	475863.09	3849377.25	1.77E-02	1.81E-02	1.81E-02	6.14E-06	1.85E-05	1.07E-05	1.10E-05	9.93E-06	4.53E-06	4.52E-06	0.00E+00	0.00E+00	1.97E-06	3.72E-07	2.36E-06	3.64E-07	3.50E-07	5.42E-06
3455	476363.09	3849377.25	3.29E-02	3.36E-02	3.36E-02	1.14E-05	3.44E-05	1.99E-05	2.03E-05	1.84E-05	8.41E-06	8.40E-06	0.00E+00	0.00E+00	3.67E-06	6.90E-07	4.38E-06	6.76E-07	6.51E-07	1.01E-05
3456	476863.09	3849377.25	7.30E-02	7.45E-02	7.44E-02	2.53E-05	7.63E-05	4.42E-05	4.51E-05	4.09E-05	1.87E-05	1.86E-05	0.00E+00	0.00E+00	8.13E-06	1.53E-06	9.71E-06	1.50E-06	1.44E-06	2.23E-05
3457	477363.09	3849377.25	2.63E-02	2.68E-02	2.68E-02	9.11E-06	2.75E-05	1.59E-05	1.62E-05	1.47E-05	6.72E-06	6.71E-06	0.00E+00	0.00E+00	2.93E-06	5.51E-07	3.50E-06	5.40E-07	5.20E-07	8.04E-06
3458	477863.09	3849377.25	1.69E-02	1.73E-02	1.72E-02	5.86E-06	1.77E-05	1.02E-05	1.04E-05	9.47E-06	4.32E-06	4.32E-06	0.00E+00	0.00E+00	1.88E-06	3.55E-07	2.25E-06	3.47E-07	3.34E-07	5.17E-06
3459	478363.09	3849377.25	1.28E-02	1.30E-02	1.30E-02	4.42E-06	1.33E-05	7.72E-06	7.88E-06	7.14E-06	3.26E-06	3.25E-06	0.00E+00	0.00E+00	1.42E-06	2.67E-07	1.70E-06	2.62E-07	2.52E-07	3.90E-06
3460	478863.09	3849377.25	9.49E-03	9.68E-03	9.67E-03	3.29E-06	9.92E-06	5.74E-06	5.86E-06	5.31E-06	2.42E-06	2.42E-06	0.00E+00	0.00E+00	1.06E-06	1.99E-07	1.26E-06	1.95E-07	1.87E-07	2.90E-06
3461	479363.09	3849377.25	7.58E-03	7.73E-03	7.72E-03	2.62E-06	7.92E-06	4.59E-06	4.68E-06	4.24E-06	1.94E-06	1.93E-06	0.00E+00	0.00E+00	8.44E-07	1.59E-07	1.01E-06	1.55E-07	1.50E-07	2.32E-06
3462	479863.09	3849377.25	5.60E-03	5.72E-03	5.71E-03	1.94E-06	5.85E-06	3.39E-06	3.46E-06	3.13E-06	1.43E-06	1.43E-06	0.00E+00	0.00E+00	6.24E-07	1.17E-07	7.45E-07	1.15E-07	1.11E-07	1.71E-06
3463	480363.09	3849377.25	5.42E-03	5.53E-03	5.52E-03	1.88E-06	5.66E-06	3.28E-06	3.35E-06	3.03E-06	1.38E-06	1.38E-06	0.00E+00	0.00E+00	6.03E-07	1.14E-07	7.20E-07	1.11E-07	1.07E-07	1.66E-06
3464	480863.09	3849377.25	4.60E-03	4.69E-03	4.69E-03	1.59E-06	4.81E-06	2.78E-06	2.84E-06	2.57E-06	1.17E-06	1.17E-06	0.00E+00	0.00E+00	5.12E-07	9.64E-08	6.11E-07	9.43E-08	9.08E-08	1.40E-06
3465	481363.09	3849377.25	3.66E-03	3.74E-03	3.73E-03	1.27E-06	3.83E-06	2.22E-06	2.26E-06	2.05E-06	9.36E-07	9.35E-07	0.00E+00	0.00E+00	4.08E-07	7.68E-08	4.87E-07	7.51E-08	7.24E-08	1.12E-06

3466	481863.09	3849377.25	2.71E-03	2.76E-03	2.76E-03	9.37E-07	2.83E-06	1.64E-06	1.67E-06	1.51E-06	6.91E-07	6.90E-07	0.00E+00	0.00E+00	3.01E-07	5.67E-08	3.60E-07	5.55E-08	5.35E-08	8.27E-07
3467	482363.09	3849377.25	2.29E-03	2.34E-03	2.34E-03	7.94E-07	2.40E-06	1.39E-06	1.42E-06	1.28E-06	5.86E-07	5.85E-07	0.00E+00	0.00E+00	2.55E-07	4.81E-08	3.05E-07	4.70E-08	4.53E-08	7.01E-07
3468	482863.09	3849377.25	1.86E-03	1.90E-03	1.90E-03	6.45E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.76E-07	4.75E-07	0.00E+00	0.00E+00	2.07E-07	3.90E-08	2.48E-07	3.82E-08	3.68E-08	5.69E-07
3469	483363.09	3849377.25	1.64E-03	1.67E-03	1.67E-03	5.67E-07	1.71E-06	9.92E-07	1.01E-06	9.17E-07	4.19E-07	4.18E-07	0.00E+00	0.00E+00	1.82E-07	3.44E-08	2.18E-07	3.36E-08	3.24E-08	5.01E-07
3470	483863.09	3849377.25	1.36E-03	1.38E-03	1.38E-03	4.70E-07	1.42E-06	8.21E-07	8.38E-07	7.59E-07	3.46E-07	3.46E-07	0.00E+00	0.00E+00	1.51E-07	2.84E-08	1.80E-07	2.78E-08	2.68E-08	4.14E-07
3471	484363.09	3849377.25	1.81E-03	1.85E-03	1.85E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.01E-06	4.63E-07	4.62E-07	0.00E+00	0.00E+00	2.02E-07	3.80E-08	2.41E-07	3.72E-08	3.58E-08	5.54E-07
3472	484863.09	3849377.25	2.00E-03	2.04E-03	2.04E-03	6.91E-07	2.09E-06	1.21E-06	1.23E-06	1.12E-06	5.10E-07	5.09E-07	0.00E+00	0.00E+00	2.22E-07	4.19E-08	2.66E-07	4.10E-08	3.94E-08	6.10E-07
3473	485363.09	3849377.25	1.89E-03	1.92E-03	1.92E-03	6.53E-07	1.97E-06	1.14E-06	1.16E-06	1.06E-06	4.82E-07	4.81E-07	0.00E+00	0.00E+00	2.10E-07	3.95E-08	2.51E-07	3.87E-08	3.73E-08	5.76E-07
3474	485863.09	3849377.25	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.40E-07	8.52E-07	3.89E-07	3.88E-07	0.00E+00	0.00E+00	1.69E-07	3.19E-08	2.02E-07	3.12E-08	3.01E-08	4.65E-07
3475	486363.09	3849377.25	1.24E-03	1.27E-03	1.27E-03	4.30E-07	1.30E-06	7.52E-07	7.68E-07	6.96E-07	3.18E-07	3.17E-07	0.00E+00	0.00E+00	1.38E-07	2.61E-08	1.65E-07	2.55E-08	2.46E-08	3.80E-07
3476	486863.09	3849377.25	1.38E-03	1.41E-03	1.40E-03	4.77E-07	1.44E-06	8.34E-07	8.51E-07	7.71E-07	3.52E-07	3.51E-07	0.00E+00	0.00E+00	1.53E-07	2.89E-08	1.83E-07	2.83E-08	2.72E-08	4.21E-07
3477	487363.09	3849377.25	1.35E-03	1.38E-03	1.38E-03	4.68E-07	1.41E-06	8.17E-07	8.34E-07	7.56E-07	3.45E-07	3.45E-07	0.00E+00	0.00E+00	1.50E-07	2.83E-08	1.80E-07	2.77E-08	2.67E-08	4.13E-07
3478	487863.09	3849377.25	1.26E-03	1.29E-03	1.29E-03	4.37E-07	1.32E-06	7.63E-07	7.79E-07	7.06E-07	3.22E-07	3.22E-07	0.00E+00	0.00E+00	1.40E-07	2.64E-08	1.68E-07	2.59E-08	2.49E-08	3.85E-07
3479	488363.09	3849377.25	1.19E-03	1.21E-03	1.21E-03	4.11E-07	1.24E-06	7.18E-07	7.33E-07	6.64E-07	3.03E-07	3.03E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.43E-08	2.34E-08	3.63E-07
3480	488863.09	3849377.25	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.83E-07	6.97E-07	6.32E-07	2.88E-07	2.88E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.50E-07	2.32E-08	2.23E-08	3.45E-07
3481	489363.09	3849377.25	1.07E-03	1.10E-03	1.09E-03	3.72E-07	1.12E-06	6.50E-07	6.63E-07	6.01E-07	2.74E-07	2.74E-07	0.00E+00	0.00E+00	1.20E-07	2.25E-08	1.43E-07	2.20E-08	2.12E-08	3.28E-07
3482	489863.09	3849377.25	1.00E-03	1.02E-03	1.02E-03	3.48E-07	1.05E-06	6.07E-07	6.20E-07	5.62E-07	2.56E-07	2.56E-07	0.00E+00	0.00E+00	1.12E-07	2.10E-08	1.34E-07	2.06E-08	1.98E-08	3.07E-07
3483	490363.09	3849377.25	9.02E-04	9.21E-04	9.20E-04	3.12E-07	9.43E-07	5.46E-07	5.57E-07	5.05E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.76E-07
3484	490863.09	3849377.25	8.23E-04	8.40E-04	8.39E-04	2.85E-07	8.60E-07	4.98E-07	5.08E-07	4.61E-07	2.10E-07	2.10E-07	0.00E+00	0.00E+00	9.16E-08	1.72E-08	1.09E-07	1.69E-08	1.63E-08	2.51E-07
3485	491363.09	3849377.25	7.56E-04	7.71E-04	7.70E-04	2.62E-07	7.90E-07	4.57E-07	4.67E-07	4.23E-07	1.93E-07	1.93E-07	0.00E+00	0.00E+00	8.41E-08	1.58E-08	1.01E-07	1.55E-08	1.49E-08	2.31E-07
3486	491863.09	3849377.25	6.59E-04	6.72E-04	6.71E-04	2.28E-07	6.88E-07	3.98E-07	4.07E-07	3.69E-07	1.68E-07	1.68E-07	0.00E+00	0.00E+00	7.33E-08	1.38E-08	8.76E-08	1.35E-08	1.30E-08	2.01E-07
3487	492363.09	3849377.25	5.72E-04	5.83E-04	5.83E-04	1.98E-07	5.97E-07	3.46E-07	3.53E-07	3.20E-07	1.46E-07	1.46E-07	0.00E+00	0.00E+00	6.36E-08	1.20E-08	7.60E-08	1.17E-08	1.13E-08	1.75E-07
3488	492863.09	3849377.25	4.61E-04	4.71E-04	4.70E-04	1.60E-07	4.82E-07	2.79E-07	2.85E-07	2.58E-07	1.18E-07	1.18E-07	0.00E+00	0.00E+00	5.13E-08	9.66E-09	6.13E-08	9.46E-09	9.11E-09	1.41E-07
3489	493363.09	3849377.25	4.14E-04	4.22E-04	4.22E-04	1.43E-07	4.32E-07	2.50E-07	2.55E-07	2.32E-07	1.06E-07	1.06E-07	0.00E+00	0.00E+00	4.61E-08	8.67E-09	5.50E-08	8.48E-09	8.17E-09	1.26E-07
3490	493863.09	3849377.25	3.85E-04	3.93E-04	3.93E-04	1.33E-07	4.03E-07	2.33E-07	2.38E-07	2.16E-07	9.84E-08	9.83E-08	0.00E+00	0.00E+00	4.29E-08	8.08E-09	5.13E-08	7.90E-09	7.61E-09	1.18E-07
3491	494363.09	3849377.25	3.84E-04	3.92E-04	3.92E-04	1.33E-07	4.02E-07	2.32E-07	2.37E-07	2.15E-07	9.81E-08	9.80E-08	0.00E+00	0.00E+00	4.28E-08	8.05E-09	5.11E-08	7.88E-09	7.59E-09	1.17E-07
3492	494863.09	3849377.25	4.33E-04	4.42E-04	4.42E-04	1.50E-07	4.53E-07	2.62E-07	2.68E-07	2.43E-07	1.11E-07	1.11E-07	0.00E+00	0.00E+00	4.82E-08	9.08E-09	5.76E-08	8.89E-09	8.56E-09	1.32E-07
3493	495363.09	3849377.25	4.37E-04	4.46E-04	4.46E-04	1.51E-07	4.57E-07	2.65E-07	2.70E-07	2.45E-07	1.12E-07	1.12E-07	0.00E+00	0.00E+00	4.87E-08	9.16E-09	5.82E-08	8.97E-09	8.64E-09	1.34E-07
3494	495863.09	3849377.25	3.15E-04	3.21E-04	3.21E-04	1.09E-07	3.29E-07	1.90E-07	1.94E-07	1.76E-07	8.04E-08	8.03E-08	0.00E+00	0.00E+00	3.50E-08	6.60E-09	4.18E-08	6.45E-09	6.22E-09	9.61E-08
3495	496363.09	3849377.25	2.91E-04	2.97E-04	2.97E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.43E-08	7.43E-08	0.00E+00	0.00E+00	3.24E-08	6.10E-09	3.87E-08	5.97E-09	5.75E-09	8.89E-08
3496	496863.09	3849377.25	4.02E-04	4.10E-04	4.09E-04	1.39E-07	4.20E-07	2.43E-07	2.48E-07	2.25E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.47E-08	8.42E-09	5.34E-08	8.24E-09	7.93E-09	1.23E-07
3497	497363.09	3849377.25	4.25E-04	4.34E-04	4.34E-04	1.47E-07	4.45E-07	2.57E-07	2.63E-07	2.38E-07	1.09E-07	1.09E-07	0.00E+00	0.00E+00	4.74E-08	8.92E-09	5.66E-08	8.73E-09	8.40E-09	1.30E-07
3498	497863.09	3849377.25	5.35E-04	5.46E-04	5.45E-04	1.85E-07	5.59E-07	3.24E-07	3.30E-07	2.99E-07	1.37E-07	1.36E-07	0.00E+00	0.00E+00	5.95E-08	1.12E-08	7.11E-08	1.10E-08	1.06E-08	1.63E-07
3499	498363.09	3849377.25	4.97E-04	5.07E-04	5.07E-04	1.72E-07	5.20E-07	3.01E-07	3.07E-07	2.78E-07	1.27E-07	1.27E-07	0.00E+00	0.00E+00	5.53E-08	1.04E-08	6.61E-08	1.02E-08	9.82E-09	1.52E-07
3500	471363.09	3849877.25	8.30E-04	8.47E-04	8.46E-04	2.87E-07	8.67E-07	5.02E-07	5.12E-07	4.64E-07	2.12E-07	2.12E-07	0.00E+00	0.00E+00	9.24E-08	1.74E-08	1.10E-07	1.70E-08	1.64E-08	2.54E-07
3501	471863.09	3849877.25	1.12E-03	1.15E-03	1.15E-03	3.89E-07	1.18E-06	6.80E-07	6.94E-07	6.29E-07	2.87E-07	2.87E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.50E-07	2.31E-08	2.22E-08	3.44E-07
3502	472363.09	3849877.25	1.40E-03	1.43E-03	1.43E-03	4.85E-07	1.46E-06	8.48E-07	8.65E-07	7.84E-07	3.58E-07	3.57E-07	0.00E+00	0.00E+00	1.56E-07	2.94E-08	1.86E-07	2.87E-08	2.77E-08	4.28E-07
3503	472863.09	3849877.25	1.69E-03	1.73E-03	1.72E-03	5.86E-07	1.77E-06	1.02E-06	1.04E-06	9.47E-07	4.32E-07	4.32E-07	0.00E+00	0.00E+00	1.88E-07	3.55E-08	2.25E-07	3.47E-08	3.34E-08	5.17E-07
3504	473363.09	3849877.25	2.06E-03	2.11E-03	2.10E-03	7.15E-07	2.16E-06	1.25E-06	1.27E-06	1.16E-06	5.27E-07	5.27E-07	0.00E+00	0.00E+00	2.30E-07	4.33E-08	2.74E-07	4.23E-08	4.08E-08	6.31E-07
3505	473863.09	3849877.25	2.54E-03	2.59E-03	2.58E-03	8.78E-07	2.65E-06	1.53E-06	1.57E-06	1.42E-06	6.48E-07	6.47E-07	0.00E+00	0.00E+00	2.82E-07	5.31E-08	3.37E-07	5.20E-08	5.01E-08	7.75E-07
3506	474363.09	3849877.25	3.12E-03	3.19E-03	3.18E-03	1.08E-06	3.26E-06	1.89E-06	1.93E-06	1.75E-06	7.97E-07	7.96E-07	0.00E+00	0.00E+00	3.47E-07	6.54E-08	4.15E-07	6.40E-08	6.17E-08	9.54E-07
3507	474863.09	3849877.25	3.87E-03	3.94E-03	3.94E-03	1.34E-06	4.04E-06	2.34E-06	2.39E-06	2.16E-06	9.87E-07	9.86E-07	0.00E+00	0.00E+00	4.30E-07	8.10E-08	5.14E-07	7.93E-08	7.63E-08	1.18E-06
3508	475363.09	3849877.25	4.86E-03	4.96E-03	4.95E-03	1.68E-06	5.08E-06	2.94E-06	3.00E-06	2.72E-06	1.24E-06	1.24E-06	0.00E+00	0.00E+00	5.41E-07	1.02E-07	6.46E-07	9.97E-08	9.60E-08	1.48E-06
3509	475863.09	3849877.25	6.17E-03	6.30E-03	6.29E-03	2.14E-06	6.45E-06	3.74E-06	3.81E-06	3.46E-06	1.58E-06	1.57E-06	0.00E+00	0.00E+00	6.87E-07	1.29E-07	8.21E-07	1.27E-07	1.22E-07	1.89E-06
3510	476363.09	3849877.25	8.07E-03	8.23E-03	8.22E-03	2.79E-06	8.43E-06	4.88E-06	4.98E-06	4.51E-06	2.06E-06	2.06E-06	0.00E+00	0.00E+00	8.98E-07	1.69E-07	1.07E-06	1.65E-07	1.59E-07	2.46E-06
3511	476863.09	3849877.25	1.14E-02	1.17E-02	1.17E-02	3.96E-06	1.20E-05	6.92E-06	7.06E-06	6.40E-06	2.92E-06	2.92E-06	0.00E+00	0.00E+00	1.27E-06	2.40E-07	1.52E-06	2.35E-07	2.26E-07	3.49E-06
3512	477363.09	3849877.25	2.15E-02	2.20E-02	2.19E-02	7.45E-06	2.25E-05	1.30E-05	1.33E-05	1.20E-05	5.50E-06	5.49E-06	0.00E+00	0.00E+00	2.40E-06	4.51E-07	2.86E-06	4.41E-07	4.25E-07	6.57E-06
3513	477863.09	3849877.25	7.94E-02	8.10E-02	8.09E-02	2.75E-05	8.30E-05	4.81E-05	4.90E-05	4.44E-05	2.03E-05	2.03E-05	0.00E+00	0.00E+00	8.84E-06	1.66E-06	1.06E-05	1.63E-06	1.57E-06	2.43E-05
3514	478363.09	3849877.25	2.87E-02	2.93E-02	2.92E-02	9.93E-06	3.00E-05	1.74E-05	1.77E-05	1.61E-05	7.33E-06	7.32E-06	0.00E+00	0.00E+00	3.19E-06	6.01E-07	3.81E-06	5.88E-07	5.67E-07	8.76E-06
3515	478863.09	3849877.25	1.85E-02	1.89E-02	1.89E-02	6.42E-06	1.94E-05	1.12E-05	1.14E-05	1.04E-05	4.73E-06	4.73E-06	0.00E+00	0.00E+00	2.06E-06	3.88E-07	2.46E-06	3.80E-07	3.66E-07	5.66E-06
3516	479363.09	3849877.25	1.29E-02	1.31E-02	1.31E-02	4.46E-06	1.35E-05	7.80E-06	7.95E-06	7.21E-06	3.29E-06	3.29E-06	0.00E+00	0.00E+00	1.43E-06	2.70E-07	1.71E-06	2.64E-07	2.54E-07	3.94E-06
3517	479863.09	3849877.25	1.03E-02	1.05E-02	1.05E-02	3.56E-06	1.07E-05	6.22E-06	6.35E-06	5.76E-06	2.63E-06	2.62E-06	0.00E+00	0.00E+00	1.14E-06	2.16E-07	1.37E-06	2.11E-07	2.03E-07	3.14E-06
3518	480363.09	3849877.25	7.53E-03	7.69E-03	7.68E-03	2.61E-06	7.87E-06	4.56E-06	4.65E-06	4.22E-06	1.92E-06	1.92E-06	0.00E+00	0.00E+00	8.38E-07	1.58E-07	1.00E-06	1.54E-07	1.49E-07	2.30E-06
3519	480863.09	3849877.25	5.82E-03	5.94E-03	5.93E-03	2.01E-06	6.08E-06	3.52E-06	3.59E-06	3.26E-06	1.49E-06	1.48E-06	0.00E+00	0.00E+00	6.48E-07	1.22E-07	7.74E-07	1.19E-07	1.15E-07	1.78E-06
3520	481363.09	3849877.25	4.79E-03	4.88E-03	4.88E-03	1.66E-06	5.00E-06	2.90E-06	2.95E-06	2.68E-06	1.22E-06	1.22E-06	0.00E+00	0.00E+00	5.33E-07	1.00E-07	6.36E-07	9.81E-08	9.45E-08	1.46E-06
3521	481863.09	3849877.25	3.25E-03	3.32E-03	3.31E-03	1.13E-06	3.40E-06	1.97E-06	2.01E-06	1.82E-06	8.30E-07	8.29E-07	0.00E+00	0.00E+00	3.62E-07	6.81E-08	4.32E-07	6.67E-08	6.42E-08	9.93E-07

3522	482363.09	3849877.25	2.61E-03	2.66E-03	2.66E-03	9.02E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.65E-07	6.65E-07	0.00E+00	0.00E+00	2.90E-07	5.46E-08	3.46E-07	5.34E-08	5.15E-08	7.96E-07
3523	482863.09	3849877.25	2.17E-03	2.22E-03	2.21E-03	7.52E-07	2.27E-06	1.31E-06	1.34E-06	1.22E-06	5.55E-07	5.54E-07	0.00E+00	0.00E+00	2.42E-07	4.55E-08	2.89E-07	4.45E-08	4.29E-08	6.63E-07
3524	483363.09	3849877.25	1.81E-03	1.84E-03	1.84E-03	6.26E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.62E-07	4.61E-07	0.00E+00	0.00E+00	2.01E-07	3.79E-08	2.40E-07	3.71E-08	3.57E-08	5.52E-07
3525	483863.09	3849877.25	1.71E-03	1.74E-03	1.74E-03	5.91E-07	1.78E-06	1.03E-06	1.05E-06	9.55E-07	4.36E-07	4.35E-07	0.00E+00	0.00E+00	1.90E-07	3.58E-08	2.27E-07	3.50E-08	3.37E-08	5.21E-07
3526	484363.09	3849877.25	2.11E-03	2.15E-03	2.15E-03	7.30E-07	2.20E-06	1.28E-06	1.30E-06	1.18E-06	5.39E-07	5.38E-07	0.00E+00	0.00E+00	2.35E-07	4.42E-08	2.81E-07	4.33E-08	4.17E-08	6.44E-07
3527	484863.09	3849877.25	2.44E-03	2.49E-03	2.48E-03	8.44E-07	2.55E-06	1.48E-06	1.51E-06	1.36E-06	6.23E-07	6.22E-07	0.00E+00	0.00E+00	2.71E-07	5.11E-08	3.24E-07	5.00E-08	4.82E-08	7.45E-07
3528	485363.09	3849877.25	2.19E-03	2.24E-03	2.24E-03	7.59E-07	2.29E-06	1.33E-06	1.35E-06	1.23E-06	5.60E-07	5.59E-07	0.00E+00	0.00E+00	2.44E-07	4.60E-08	2.92E-07	4.50E-08	4.33E-08	6.70E-07
3529	485863.09	3849877.25	1.86E-03	1.90E-03	1.90E-03	6.45E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.76E-07	4.75E-07	0.00E+00	0.00E+00	2.07E-07	3.91E-08	2.48E-07	3.82E-08	3.68E-08	5.69E-07
3530	486363.09	3849877.25	1.67E-03	1.71E-03	1.70E-03	5.79E-07	1.75E-06	1.01E-06	1.03E-06	9.36E-07	4.27E-07	4.27E-07	0.00E+00	0.00E+00	1.86E-07	3.51E-08	2.22E-07	3.43E-08	3.30E-08	5.11E-07
3531	486863.09	3849877.25	1.70E-03	1.73E-03	1.73E-03	5.87E-07	1.77E-06	1.03E-06	1.05E-06	9.50E-07	4.33E-07	4.33E-07	0.00E+00	0.00E+00	1.89E-07	3.56E-08	2.26E-07	3.48E-08	3.35E-08	5.18E-07
3532	487363.09	3849877.25	1.60E-03	1.63E-03	1.63E-03	5.53E-07	1.67E-06	9.67E-07	9.87E-07	8.95E-07	4.08E-07	4.08E-07	0.00E+00	0.00E+00	1.78E-07	3.35E-08	2.13E-07	3.28E-08	3.16E-08	4.88E-07
3533	487863.09	3849877.25	1.48E-03	1.51E-03	1.51E-03	5.13E-07	1.55E-06	8.96E-07	9.14E-07	8.29E-07	3.78E-07	3.78E-07	0.00E+00	0.00E+00	1.65E-07	3.10E-08	1.97E-07	3.04E-08	2.93E-08	4.52E-07
3534	488363.09	3849877.25	1.39E-03	1.41E-03	1.41E-03	4.80E-07	1.45E-06	8.39E-07	8.56E-07	7.76E-07	3.54E-07	3.54E-07	0.00E+00	0.00E+00	1.54E-07	2.90E-08	1.84E-07	2.84E-08	2.74E-08	4.23E-07
3535	488863.09	3849877.25	1.31E-03	1.33E-03	1.33E-03	4.52E-07	1.37E-06	7.90E-07	8.07E-07	7.31E-07	3.34E-07	3.33E-07	0.00E+00	0.00E+00	1.45E-07	2.74E-08	1.74E-07	2.68E-08	2.58E-08	3.99E-07
3536	489363.09	3849877.25	1.22E-03	1.24E-03	1.24E-03	4.21E-07	1.27E-06	7.36E-07	7.51E-07	6.81E-07	3.11E-07	3.10E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.50E-08	2.40E-08	3.72E-07
3537	489863.09	3849877.25	1.11E-03	1.13E-03	1.13E-03	3.85E-07	1.16E-06	6.72E-07	6.86E-07	6.22E-07	2.84E-07	2.83E-07	0.00E+00	0.00E+00	1.24E-07	2.33E-08	1.48E-07	2.28E-08	2.19E-08	3.39E-07
3538	490363.09	3849877.25	9.98E-04	1.02E-03	1.02E-03	3.45E-07	1.04E-06	6.04E-07	6.16E-07	5.59E-07	2.55E-07	2.55E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.33E-07	2.05E-08	1.97E-08	3.05E-07
3539	490863.09	3849877.25	9.15E-04	9.34E-04	9.33E-04	3.17E-07	9.56E-07	5.54E-07	5.65E-07	5.12E-07	2.34E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
3540	491363.09	3849877.25	8.34E-04	8.51E-04	8.50E-04	2.89E-07	8.72E-07	5.05E-07	5.15E-07	4.67E-07	2.13E-07	2.13E-07	0.00E+00	0.00E+00	9.28E-08	1.75E-08	1.11E-07	1.71E-08	1.65E-08	2.55E-07
3541	491863.09	3849877.25	7.28E-04	7.43E-04	7.42E-04	2.52E-07	7.61E-07	4.40E-07	4.49E-07	4.07E-07	1.86E-07	1.86E-07	0.00E+00	0.00E+00	8.10E-08	1.53E-08	9.68E-08	1.49E-08	1.44E-08	2.22E-07
3542	492363.09	3849877.25	6.39E-04	6.52E-04	6.51E-04	2.21E-07	6.68E-07	3.87E-07	3.95E-07	3.58E-07	1.63E-07	1.63E-07	0.00E+00	0.00E+00	7.11E-08	1.34E-08	8.50E-08	1.31E-08	1.26E-08	1.95E-07
3543	492863.09	3849877.25	5.38E-04	5.49E-04	5.49E-04	1.86E-07	5.63E-07	3.26E-07	3.32E-07	3.01E-07	1.37E-07	1.37E-07	0.00E+00	0.00E+00	5.99E-08	1.13E-08	7.16E-08	1.10E-08	1.06E-08	1.64E-07
3544	493363.09	3849877.25	4.54E-04	4.64E-04	4.63E-04	1.57E-07	4.75E-07	2.75E-07	2.81E-07	2.54E-07	1.16E-07	1.16E-07	0.00E+00	0.00E+00	5.06E-08	9.52E-09	6.04E-08	9.32E-09	8.97E-09	1.39E-07
3545	493863.09	3849877.25	4.03E-04	4.11E-04	4.11E-04	1.40E-07	4.21E-07	2.44E-07	2.49E-07	2.26E-07	1.03E-07	1.03E-07	0.00E+00	0.00E+00	4.49E-08	8.45E-09	5.36E-08	8.27E-09	7.96E-09	1.23E-07
3546	494363.09	3849877.25	4.82E-04	4.92E-04	4.91E-04	1.67E-07	5.04E-07	2.92E-07	2.97E-07	2.70E-07	1.23E-07	1.23E-07	0.00E+00	0.00E+00	5.36E-08	1.01E-08	6.41E-08	9.88E-09	9.52E-09	1.47E-07
3547	494863.09	3849877.25	5.25E-04	5.36E-04	5.35E-04	1.82E-07	5.49E-07	3.18E-07	3.24E-07	2.94E-07	1.34E-07	1.34E-07	0.00E+00	0.00E+00	5.85E-08	1.10E-08	6.98E-08	1.08E-08	1.04E-08	1.60E-07
3548	495363.09	3849877.25	4.27E-04	4.36E-04	4.35E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.39E-07	1.09E-07	1.09E-07	0.00E+00	0.00E+00	4.75E-08	8.95E-09	5.68E-08	8.76E-09	8.43E-09	1.30E-07
3549	495863.09	3849877.25	4.78E-04	4.88E-04	4.87E-04	1.65E-07	5.00E-07	2.89E-07	2.95E-07	2.68E-07	1.22E-07	1.22E-07	0.00E+00	0.00E+00	5.32E-08	1.00E-08	6.36E-08	9.80E-09	9.44E-09	1.46E-07
3550	496363.09	3849877.25	4.81E-04	4.91E-04	4.91E-04	1.67E-07	5.03E-07	2.91E-07	2.97E-07	2.69E-07	1.23E-07	1.23E-07	0.00E+00	0.00E+00	5.36E-08	1.01E-08	6.40E-08	9.87E-09	9.51E-09	1.47E-07
3551	496863.09	3849877.25	4.77E-04	4.87E-04	4.87E-04	1.65E-07	4.99E-07	2.89E-07	2.95E-07	2.67E-07	1.22E-07	1.22E-07	0.00E+00	0.00E+00	5.31E-08	1.00E-08	6.35E-08	9.79E-09	9.43E-09	1.46E-07
3552	497363.09	3849877.25	5.47E-04	5.59E-04	5.58E-04	1.90E-07	5.72E-07	3.31E-07	3.38E-07	3.06E-07	1.40E-07	1.40E-07	0.00E+00	0.00E+00	6.09E-08	1.15E-08	7.28E-08	1.12E-08	1.08E-08	1.67E-07
3553	497863.09	3849877.25	5.56E-04	5.67E-04	5.66E-04	1.92E-07	5.81E-07	3.36E-07	3.43E-07	3.11E-07	1.42E-07	1.42E-07	0.00E+00	0.00E+00	6.19E-08	1.16E-08	7.39E-08	1.14E-08	1.10E-08	1.70E-07
3554	498363.09	3849877.25	5.17E-04	5.27E-04	5.26E-04	1.79E-07	5.40E-07	3.13E-07	3.19E-07	2.89E-07	1.32E-07	1.32E-07	0.00E+00	0.00E+00	5.75E-08	1.08E-08	6.87E-08	1.06E-08	1.02E-08	1.58E-07
3555	471363.09	3850377.25	4.38E-04	4.47E-04	4.46E-04	1.51E-07	4.57E-07	2.65E-07	2.70E-07	2.45E-07	1.12E-07	1.12E-07	0.00E+00	0.00E+00	4.87E-08	9.17E-09	5.82E-08	8.97E-09	8.64E-09	1.34E-07
3556	471863.09	3850377.25	8.31E-04	8.48E-04	8.47E-04	2.88E-07	8.69E-07	5.03E-07	5.13E-07	4.65E-07	2.12E-07	2.12E-07	0.00E+00	0.00E+00	9.25E-08	1.74E-08	1.11E-07	1.70E-08	1.64E-08	2.54E-07
3557	472363.09	3850377.25	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.71E-07	6.84E-07	6.20E-07	2.83E-07	2.83E-07	0.00E+00	0.00E+00	1.23E-07	2.32E-08	1.47E-07	2.27E-08	2.19E-08	3.39E-07
3558	472863.09	3850377.25	1.49E-03	1.52E-03	1.52E-03	5.15E-07	1.55E-06	9.00E-07	9.18E-07	8.32E-07	3.80E-07	3.79E-07	0.00E+00	0.00E+00	1.66E-07	3.12E-08	1.98E-07	3.05E-08	2.94E-08	4.54E-07
3559	473363.09	3850377.25	1.76E-03	1.79E-03	1.79E-03	6.08E-07	1.84E-06	1.06E-06	1.09E-06	9.84E-07	4.49E-07	4.48E-07	0.00E+00	0.00E+00	1.96E-07	3.68E-08	2.34E-07	3.60E-08	3.47E-08	5.37E-07
3560	473863.09	3850377.25	2.07E-03	2.11E-03	2.11E-03	7.17E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	5.28E-07	0.00E+00	0.00E+00	2.30E-07	4.34E-08	2.75E-07	4.25E-08	4.09E-08	6.33E-07
3561	474363.09	3850377.25	2.40E-03	2.45E-03	2.45E-03	8.32E-07	2.51E-06	1.45E-06	1.48E-06	1.35E-06	6.14E-07	6.13E-07	0.00E+00	0.00E+00	2.68E-07	5.04E-08	3.20E-07	4.93E-08	4.75E-08	7.34E-07
3562	474863.09	3850377.25	2.81E-03	2.87E-03	2.87E-03	9.74E-07	2.94E-06	1.70E-06	1.74E-06	1.57E-06	7.18E-07	7.17E-07	0.00E+00	0.00E+00	3.13E-07	5.89E-08	3.74E-07	5.77E-08	5.56E-08	8.59E-07
3563	475363.09	3850377.25	3.28E-03	3.35E-03	3.35E-03	1.14E-06	3.43E-06	1.99E-06	2.03E-06	1.84E-06	8.39E-07	8.38E-07	0.00E+00	0.00E+00	3.66E-07	6.88E-08	4.37E-07	6.73E-08	6.49E-08	1.00E-06
3564	475863.09	3850377.25	3.90E-03	3.98E-03	3.98E-03	1.35E-06	4.08E-06	2.36E-06	2.41E-06	2.18E-06	9.96E-07	9.95E-07	0.00E+00	0.00E+00	4.34E-07	8.18E-08	5.19E-07	8.00E-08	7.71E-08	1.19E-06
3565	476363.09	3850377.25	4.76E-03	4.86E-03	4.85E-03	1.65E-06	4.97E-06	2.88E-06	2.94E-06	2.66E-06	1.22E-06	1.21E-06	0.00E+00	0.00E+00	5.30E-07	9.97E-08	6.33E-07	9.76E-08	9.40E-08	1.45E-06
3566	476863.09	3850377.25	5.90E-03	6.02E-03	6.01E-03	2.04E-06	6.17E-06	3.57E-06	3.64E-06	3.30E-06	1.51E-06	1.50E-06	0.00E+00	0.00E+00	6.57E-07	1.24E-07	7.84E-07	1.21E-07	1.17E-07	1.80E-06
3567	477363.09	3850377.25	7.51E-03	7.67E-03	7.66E-03	2.60E-06	7.85E-06	4.55E-06	4.64E-06	4.20E-06	1.92E-06	1.92E-06	0.00E+00	0.00E+00	8.36E-07	1.57E-07	9.99E-07	1.54E-07	1.48E-07	2.30E-06
3568	477863.09	3850377.25	1.08E-02	1.11E-02	1.10E-02	3.75E-06	1.13E-05	6.55E-06	6.69E-06	6.06E-06	2.77E-06	2.76E-06	0.00E+00	0.00E+00	1.21E-06	2.27E-07	1.44E-06	2.22E-07	2.14E-07	3.31E-06
3569	478363.09	3850377.25	2.14E-02	2.18E-02	2.18E-02	7.39E-06	2.23E-05	1.29E-05	1.32E-05	1.20E-05	5.45E-06	5.45E-06	0.00E+00	0.00E+00	2.38E-06	4.47E-07	2.84E-06	4.38E-07	4.22E-07	6.52E-06
3570	478863.09	3850377.25	8.73E-02	8.91E-02	8.90E-02	3.02E-05	9.13E-05	5.28E-05	5.39E-05	4.89E-05	2.23E-05	2.23E-05	0.00E+00	0.00E+00	9.72E-06	1.83E-06	1.16E-05	1.79E-06	1.72E-06	2.67E-05
3571	479363.09	3850377.25	3.02E-02	3.08E-02	3.07E-02	1.04E-05	3.15E-05	1.82E-05	1.86E-05	1.69E-05	7.70E-06	7.69E-06	0.00E+00	0.00E+00	3.36E-06	6.32E-07	4.01E-06	6.19E-07	5.96E-07	9.21E-06
3572	479863.09	3850377.25	1.80E-02	1.84E-02	1.84E-02	6.24E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.60E-06	4.60E-06	0.00E+00	0.00E+00	2.01E-06	3.78E-07	2.40E-06	3.70E-07	3.56E-07	5.51E-06
3573	480363.09	3850377.25	1.26E-02	1.28E-02	1.28E-02	4.35E-06	1.31E-05	7.59E-06	7.75E-06	7.03E-06	3.21E-06	3.20E-06	0.00E+00	0.00E+00	1.40E-06	2.63E-07	1.67E-06	2.57E-07	2.48E-07	3.83E-06
3574	480863.09	3850377.25	1.00E-02	1.02E-02	1.02E-02	3.47E-06	1.05E-05	6.06E-06	6.19E-06	5.61E-06	2.56E-06	2.56E-06	0.00E+00	0.00E+00	1.12E-06	2.10E-07	1.33E-06	2.06E-07	1.98E-07	3.06E-06
3575	481363.09	3850377.25	6.30E-03	6.43E-03	6.43E-03	2.18E-06	6.59E-06	3.81E-06	3.89E-06	3.53E-06	1.61E-06	1.61E-06	0.00E+00	0.00E+00	7.02E-07	1.32E-07	8.38E-07	1.29E-07	1.25E-07	1.93E-06
3576	481863.09	3850377.25	5.32E-03	5.43E-03	5.42E-03	1.84E-06	5.56E-06	3.22E-06	3.28E-06	2.98E-06	1.36E-06	1.36E-06	0.00E+00	0.00E+00	5.92E-07	1.12E-07	7.08E-07	1.09E-07	1.05E-07	1.63E-06
3577	482363.09	3850377.25	4.49E-03	4.58E-03	4.58E-03	1.56E-06	4.70E-06	2.72E-06	2.77E-06	2.51E-06	1.15E-06	1.15E-06	0.00E+00	0.00E+00	5.00E-07	9.42E-08	5.97E-07	9.21E-08	8.87E-08	1.37E-06

3578	482863.09	3850377.25	3.22E-03	3.29E-03	3.29E-03	1.12E-06	3.37E-06	1.95E-06	1.99E-06	1.80E-06	8.23E-07	8.22E-07	0.00E+00	0.00E+00	3.59E-07	6.76E-08	4.29E-07	6.61E-08	6.37E-08	9.85E-07
3579	483363.09	3850377.25	2.55E-03	2.60E-03	2.60E-03	8.82E-07	2.66E-06	1.54E-06	1.57E-06	1.43E-06	6.50E-07	6.50E-07	0.00E+00	0.00E+00	2.84E-07	5.34E-08	3.39E-07	5.22E-08	5.03E-08	7.78E-07
3580	483863.09	3850377.25	2.56E-03	2.61E-03	2.61E-03	8.85E-07	2.67E-06	1.55E-06	1.58E-06	1.43E-06	6.53E-07	6.52E-07	0.00E+00	0.00E+00	2.85E-07	5.36E-08	3.40E-07	5.24E-08	5.05E-08	7.81E-07
3581	484363.09	3850377.25	2.74E-03	2.79E-03	2.79E-03	9.47E-07	2.86E-06	1.65E-06	1.69E-06	1.53E-06	6.98E-07	6.98E-07	0.00E+00	0.00E+00	3.04E-07	5.73E-08	3.64E-07	5.61E-08	5.40E-08	8.36E-07
3582	484863.09	3850377.25	2.86E-03	2.92E-03	2.92E-03	9.90E-07	2.99E-06	1.73E-06	1.77E-06	1.60E-06	7.31E-07	7.30E-07	0.00E+00	0.00E+00	3.18E-07	6.00E-08	3.80E-07	5.87E-08	5.65E-08	8.74E-07
3583	485363.09	3850377.25	2.65E-03	2.70E-03	2.70E-03	9.17E-07	2.77E-06	1.60E-06	1.64E-06	1.48E-06	6.77E-07	6.76E-07	0.00E+00	0.00E+00	2.95E-07	5.55E-08	3.52E-07	5.43E-08	5.23E-08	8.10E-07
3584	485863.09	3850377.25	2.33E-03	2.38E-03	2.38E-03	8.07E-07	2.44E-06	1.41E-06	1.44E-06	1.30E-06	5.95E-07	5.94E-07	0.00E+00	0.00E+00	2.59E-07	4.88E-08	3.10E-07	4.78E-08	4.60E-08	7.12E-07
3585	486363.09	3850377.25	2.17E-03	2.21E-03	2.21E-03	7.50E-07	2.26E-06	1.31E-06	1.34E-06	1.21E-06	5.53E-07	5.53E-07	0.00E+00	0.00E+00	2.41E-07	4.54E-08	2.88E-07	4.44E-08	4.28E-08	6.62E-07
3586	486863.09	3850377.25	2.02E-03	2.06E-03	2.06E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	5.16E-07	0.00E+00	0.00E+00	2.25E-07	4.24E-08	2.69E-07	4.15E-08	3.99E-08	6.18E-07
3587	487363.09	3850377.25	1.83E-03	1.87E-03	1.87E-03	6.34E-07	1.91E-06	1.11E-06	1.13E-06	1.02E-06	4.68E-07	4.67E-07	0.00E+00	0.00E+00	2.04E-07	3.84E-08	2.43E-07	3.75E-08	3.62E-08	5.59E-07
3588	487863.09	3850377.25	1.71E-03	1.74E-03	1.74E-03	5.91E-07	1.79E-06	1.03E-06	1.05E-06	9.56E-07	4.36E-07	4.36E-07	0.00E+00	0.00E+00	1.90E-07	3.58E-08	2.27E-07	3.50E-08	3.37E-08	5.22E-07
3589	488363.09	3850377.25	1.58E-03	1.61E-03	1.61E-03	5.46E-07	1.65E-06	9.55E-07	9.75E-07	8.83E-07	4.03E-07	4.03E-07	0.00E+00	0.00E+00	1.76E-07	3.31E-08	2.10E-07	3.24E-08	3.12E-08	4.82E-07
3590	488863.09	3850377.25	1.47E-03	1.50E-03	1.49E-03	5.07E-07	1.53E-06	8.87E-07	9.05E-07	8.20E-07	3.74E-07	3.74E-07	0.00E+00	0.00E+00	1.63E-07	3.07E-08	1.95E-07	3.01E-08	2.89E-08	4.48E-07
3591	489363.09	3850377.25	1.35E-03	1.38E-03	1.38E-03	4.68E-07	1.41E-06	8.18E-07	8.35E-07	7.56E-07	3.45E-07	3.45E-07	0.00E+00	0.00E+00	1.50E-07	2.83E-08	1.80E-07	2.77E-08	2.67E-08	4.13E-07
3592	489863.09	3850377.25	1.22E-03	1.24E-03	1.24E-03	4.22E-07	1.27E-06	7.37E-07	7.52E-07	6.82E-07	3.11E-07	3.11E-07	0.00E+00	0.00E+00	1.36E-07	2.55E-08	1.62E-07	2.50E-08	2.41E-08	3.72E-07
3593	490363.09	3850377.25	1.10E-03	1.13E-03	1.12E-03	3.82E-07	1.15E-06	6.67E-07	6.81E-07	6.17E-07	2.82E-07	2.81E-07	0.00E+00	0.00E+00	1.23E-07	2.31E-08	1.47E-07	2.26E-08	2.18E-08	3.37E-07
3594	490863.09	3850377.25	1.01E-03	1.03E-03	1.03E-03	3.48E-07	1.05E-06	6.09E-07	6.21E-07	5.63E-07	2.57E-07	2.57E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.06E-08	1.99E-08	3.07E-07
3595	491363.09	3850377.25	9.12E-04	9.30E-04	9.29E-04	3.16E-07	9.53E-07	5.52E-07	5.63E-07	5.10E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.79E-07
3596	491863.09	3850377.25	7.92E-04	8.08E-04	8.07E-04	2.74E-07	8.28E-07	4.79E-07	4.89E-07	4.43E-07	2.02E-07	2.02E-07	0.00E+00	0.00E+00	8.82E-08	1.66E-08	1.05E-07	1.62E-08	1.56E-08	2.42E-07
3597	492363.09	3850377.25	6.75E-04	6.89E-04	6.88E-04	2.34E-07	7.06E-07	4.09E-07	4.17E-07	3.78E-07	1.72E-07	1.72E-07	0.00E+00	0.00E+00	7.52E-08	1.42E-08	8.98E-08	1.39E-08	1.33E-08	2.06E-07
3598	492863.09	3850377.25	5.98E-04	6.10E-04	6.09E-04	2.07E-07	6.25E-07	3.62E-07	3.69E-07	3.35E-07	1.53E-07	1.53E-07	0.00E+00	0.00E+00	6.66E-08	1.25E-08	7.95E-08	1.23E-08	1.18E-08	1.83E-07
3599	493363.09	3850377.25	5.11E-04	5.22E-04	5.21E-04	1.77E-07	5.34E-07	3.09E-07	3.16E-07	2.86E-07	1.31E-07	1.30E-07	0.00E+00	0.00E+00	5.69E-08	1.07E-08	6.80E-08	1.05E-08	1.01E-08	1.56E-07
3600	493863.09	3850377.25	5.29E-04	5.39E-04	5.39E-04	1.83E-07	5.53E-07	3.20E-07	3.26E-07	2.96E-07	1.35E-07	1.35E-07	0.00E+00	0.00E+00	5.88E-08	1.11E-08	7.03E-08	1.08E-08	1.04E-08	1.62E-07
3601	494363.09	3850377.25	5.33E-04	5.44E-04	5.44E-04	1.85E-07	5.57E-07	3.23E-07	3.29E-07	2.99E-07	1.36E-07	1.36E-07	0.00E+00	0.00E+00	5.94E-08	1.12E-08	7.09E-08	1.09E-08	1.05E-08	1.63E-07
3602	494863.09	3850377.25	5.66E-04	5.78E-04	5.77E-04	1.96E-07	5.92E-07	3.43E-07	3.50E-07	3.17E-07	1.45E-07	1.44E-07	0.00E+00	0.00E+00	6.30E-08	1.19E-08	7.53E-08	1.16E-08	1.12E-08	1.73E-07
3603	495363.09	3850377.25	6.08E-04	6.20E-04	6.19E-04	2.10E-07	6.35E-07	3.68E-07	3.75E-07	3.40E-07	1.55E-07	1.55E-07	0.00E+00	0.00E+00	6.76E-08	1.27E-08	8.08E-08	1.25E-08	1.20E-08	1.86E-07
3604	495863.09	3850377.25	5.46E-04	5.57E-04	5.56E-04	1.89E-07	5.70E-07	3.30E-07	3.37E-07	3.05E-07	1.39E-07	1.39E-07	0.00E+00	0.00E+00	6.07E-08	1.14E-08	7.26E-08	1.12E-08	1.08E-08	1.67E-07
3605	496363.09	3850377.25	5.83E-04	5.94E-04	5.94E-04	2.02E-07	6.09E-07	3.52E-07	3.60E-07	3.26E-07	1.49E-07	1.49E-07	0.00E+00	0.00E+00	6.48E-08	1.22E-08	7.75E-08	1.19E-08	1.15E-08	1.78E-07
3606	496863.09	3850377.25	6.08E-04	6.21E-04	6.20E-04	2.11E-07	6.36E-07	3.68E-07	3.76E-07	3.41E-07	1.55E-07	1.55E-07	0.00E+00	0.00E+00	6.77E-08	1.28E-08	8.09E-08	1.25E-08	1.20E-08	1.86E-07
3607	497363.09	3850377.25	6.02E-04	6.14E-04	6.14E-04	2.08E-07	6.29E-07	3.64E-07	3.72E-07	3.37E-07	1.54E-07	1.54E-07	0.00E+00	0.00E+00	6.70E-08	1.26E-08	8.01E-08	1.23E-08	1.19E-08	1.84E-07
3608	497863.09	3850377.25	5.72E-04	5.84E-04	5.83E-04	1.98E-07	5.98E-07	3.46E-07	3.53E-07	3.20E-07	1.46E-07	1.46E-07	0.00E+00	0.00E+00	6.37E-08	1.20E-08	7.61E-08	1.17E-08	1.13E-08	1.75E-07
3609	498363.09	3850377.25	5.43E-04	5.54E-04	5.53E-04	1.88E-07	5.67E-07	3.28E-07	3.35E-07	3.04E-07	1.39E-07	1.38E-07	0.00E+00	0.00E+00	6.04E-08	1.14E-08	7.22E-08	1.11E-08	1.07E-08	1.66E-07
3610	471363.09	3850877.25	5.37E-04	5.48E-04	5.47E-04	1.86E-07	5.61E-07	3.25E-07	3.31E-07	3.00E-07	1.37E-07	1.37E-07	0.00E+00	0.00E+00	5.97E-08	1.12E-08	7.14E-08	1.10E-08	1.06E-08	1.64E-07
3611	471863.09	3850877.25	7.13E-04	7.28E-04	7.27E-04	2.47E-07	7.46E-07	4.32E-07	4.40E-07	3.99E-07	1.82E-07	1.82E-07	0.00E+00	0.00E+00	7.94E-08	1.50E-08	9.49E-08	1.46E-08	1.41E-08	2.18E-07
3612	472363.09	3850877.25	9.85E-04	1.00E-03	1.00E-03	3.41E-07	1.03E-06	5.96E-07	6.08E-07	5.51E-07	2.51E-07	2.51E-07	0.00E+00	0.00E+00	1.10E-07	2.06E-08	1.31E-07	2.02E-08	1.95E-08	3.01E-07
3613	472863.09	3850877.25	1.25E-03	1.28E-03	1.27E-03	4.33E-07	1.31E-06	7.56E-07	7.72E-07	7.00E-07	3.19E-07	3.19E-07	0.00E+00	0.00E+00	1.39E-07	2.62E-08	1.66E-07	2.56E-08	2.47E-08	3.82E-07
3614	473363.09	3850877.25	1.34E-03	1.37E-03	1.37E-03	4.65E-07	1.40E-06	8.12E-07	8.29E-07	7.52E-07	3.43E-07	3.43E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.79E-07	2.75E-08	2.65E-08	4.10E-07
3615	473863.09	3850877.25	1.67E-03	1.71E-03	1.70E-03	5.78E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.27E-07	4.26E-07	0.00E+00	0.00E+00	1.86E-07	3.50E-08	2.22E-07	3.43E-08	3.30E-08	5.11E-07
3616	474363.09	3850877.25	1.96E-03	2.00E-03	1.99E-03	6.77E-07	2.05E-06	1.18E-06	1.21E-06	1.10E-06	5.00E-07	4.99E-07	0.00E+00	0.00E+00	2.18E-07	4.10E-08	2.60E-07	4.01E-08	3.87E-08	5.98E-07
3617	474863.09	3850877.25	2.22E-03	2.27E-03	2.26E-03	7.69E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.67E-07	0.00E+00	0.00E+00	2.47E-07	4.66E-08	2.95E-07	4.56E-08	4.39E-08	6.79E-07
3618	475363.09	3850877.25	2.52E-03	2.57E-03	2.57E-03	8.73E-07	2.64E-06	1.53E-06	1.56E-06	1.41E-06	6.44E-07	6.43E-07	0.00E+00	0.00E+00	2.81E-07	5.29E-08	3.35E-07	5.17E-08	4.98E-08	7.71E-07
3619	475863.09	3850877.25	2.87E-03	2.93E-03	2.93E-03	9.95E-07	3.00E-06	1.74E-06	1.77E-06	1.61E-06	7.34E-07	7.33E-07	0.00E+00	0.00E+00	3.20E-07	6.02E-08	3.82E-07	5.89E-08	5.68E-08	8.78E-07
3620	476363.09	3850877.25	3.33E-03	3.40E-03	3.40E-03	1.15E-06	3.48E-06	2.02E-06	2.06E-06	1.87E-06	8.51E-07	8.50E-07	0.00E+00	0.00E+00	3.71E-07	6.98E-08	4.43E-07	6.83E-08	6.58E-08	1.02E-06
3621	476863.09	3850877.25	3.93E-03	4.01E-03	4.00E-03	1.36E-06	4.10E-06	2.38E-06	2.42E-06	2.20E-06	1.00E-06	1.00E-06	0.00E+00	0.00E+00	4.37E-07	8.23E-08	5.22E-07	8.05E-08	7.76E-08	1.20E-06
3622	477363.09	3850877.25	4.68E-03	4.78E-03	4.77E-03	1.62E-06	4.90E-06	2.83E-06	2.89E-06	2.62E-06	1.20E-06	1.19E-06	0.00E+00	0.00E+00	5.21E-07	9.82E-08	6.23E-07	9.60E-08	9.25E-08	1.43E-06
3623	477863.09	3850877.25	5.67E-03	5.79E-03	5.78E-03	1.96E-06	5.93E-06	3.43E-06	3.50E-06	3.18E-06	1.45E-06	1.45E-06	0.00E+00	0.00E+00	6.32E-07	1.19E-07	7.55E-07	1.16E-07	1.12E-07	1.73E-06
3624	478363.09	3850877.25	7.36E-03	7.51E-03	7.50E-03	2.55E-06	7.69E-06	4.45E-06	4.55E-06	4.12E-06	1.88E-06	1.88E-06	0.00E+00	0.00E+00	8.20E-07	1.54E-07	9.79E-07	1.51E-07	1.45E-07	2.25E-06
3625	478863.09	3850877.25	1.04E-02	1.06E-02	1.06E-02	3.59E-06	1.08E-05	6.27E-06	6.40E-06	5.80E-06	2.65E-06	2.65E-06	0.00E+00	0.00E+00	1.15E-06	2.17E-07	1.38E-06	2.13E-07	2.05E-07	3.17E-06
3626	479363.09	3850877.25	1.88E-02	1.92E-02	1.92E-02	6.53E-06	1.97E-05	1.14E-05	1.16E-05	1.06E-05	4.81E-06	4.81E-06	0.00E+00	0.00E+00	2.10E-06	3.95E-07	2.51E-06	3.87E-07	3.72E-07	5.76E-06
3627	479863.09	3850877.25	1.09E-01	1.11E-01	1.11E-01	3.76E-05	1.14E-04	6.58E-05	6.71E-05	6.09E-05	2.78E-05	2.77E-05	0.00E+00	0.00E+00	1.21E-05	2.28E-06	1.45E-05	2.23E-06	2.15E-06	3.32E-05
3628	480363.09	3850877.25	3.14E-02	3.20E-02	3.20E-02	1.09E-05	3.28E-05	1.90E-05	1.94E-05	1.76E-05	8.01E-06	8.00E-06	0.00E+00	0.00E+00	3.49E-06	6.58E-07	4.17E-06	6.43E-07	6.20E-07	9.59E-06
3629	480863.09	3850877.25	1.85E-02	1.89E-02	1.89E-02	6.40E-06	1.93E-05	1.12E-05	1.14E-05	1.04E-05	4.72E-06	4.72E-06	0.00E+00	0.00E+00	2.06E-06	3.88E-07	2.46E-06	3.79E-07	3.65E-07	5.65E-06
3630	481363.09	3850877.25	1.27E-02	1.30E-02	1.30E-02	4.40E-06	1.33E-05	7.70E-06	7.86E-06	7.12E-06	3.25E-06	3.25E-06	0.00E+00	0.00E+00	1.42E-06	2.67E-07	1.69E-06	2.61E-07	2.51E-07	3.89E-06
3631	481863.09	3850877.25	8.97E-03	9.15E-03	9.14E-03	3.10E-06	9.37E-06	5.43E-06	5.54E-06	5.02E-06	2.29E-06	2.29E-06	0.00E+00	0.00E+00	9.98E-07	1.88E-07	1.19E-06	1.84E-07	1.77E-07	2.74E-06
3632	482363.09	3850877.25	6.25E-03	6.38E-03	6.37E-03	2.16E-06	6.53E-06	3.78E-06	3.86E-06	3.50E-06	1.60E-06	1.59E-06	0.00E+00	0.00E+00	6.96E-07	1.31E-07	8.31E-07	1.28E-07	1.23E-07	1.91E-06
3633	482863.09	3850877.25	4.87E-03	4.97E-03	4.96E-03	1.69E-06	5.09E-06	2.95E-06	3.01E-06	2.73E-06	1.24E-06	1.24E-06	0.00E+00	0.00E+00	5.42E-07	1.02E-07	6.48E-07	9.99E-08	9.62E-08	1.49E-06

3634	483363.09	3850877.25	3.75E-03	3.83E-03	3.82E-03	1.30E-06	3.92E-06	2.27E-06	2.32E-06	2.10E-06	9.58E-07	9.57E-07	0.00E+00	0.00E+00	4.18E-07	7.86E-08	4.99E-07	7.70E-08	7.41E-08	1.15E-06
3635	483863.09	3850877.25	3.39E-03	3.46E-03	3.46E-03	1.17E-06	3.55E-06	2.05E-06	2.10E-06	1.90E-06	8.67E-07	8.66E-07	0.00E+00	0.00E+00	3.78E-07	7.11E-08	4.51E-07	6.96E-08	6.70E-08	1.04E-06
3636	484363.09	3850877.25	3.47E-03	3.54E-03	3.54E-03	1.20E-06	3.63E-06	2.10E-06	2.14E-06	1.94E-06	8.86E-07	8.85E-07	0.00E+00	0.00E+00	3.86E-07	7.27E-08	4.62E-07	7.12E-08	6.85E-08	1.06E-06
3637	484863.09	3850877.25	3.22E-03	3.29E-03	3.29E-03	1.12E-06	3.37E-06	1.95E-06	1.99E-06	1.80E-06	8.23E-07	8.22E-07	0.00E+00	0.00E+00	3.59E-07	6.76E-08	4.29E-07	6.61E-08	6.37E-08	9.85E-07
3638	485363.09	3850877.25	3.05E-03	3.11E-03	3.11E-03	1.06E-06	3.19E-06	1.84E-06	1.88E-06	1.71E-06	7.79E-07	7.78E-07	0.00E+00	0.00E+00	3.39E-07	6.39E-08	4.05E-07	6.25E-08	6.02E-08	9.32E-07
3639	485863.09	3850877.25	2.62E-03	2.67E-03	2.67E-03	9.07E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.69E-07	6.69E-07	0.00E+00	0.00E+00	2.92E-07	5.49E-08	3.49E-07	5.37E-08	5.18E-08	8.01E-07
3640	486363.09	3850877.25	2.50E-03	2.55E-03	2.55E-03	8.66E-07	2.62E-06	1.51E-06	1.54E-06	1.40E-06	6.39E-07	6.38E-07	0.00E+00	0.00E+00	2.79E-07	5.24E-08	3.33E-07	5.13E-08	4.94E-08	7.64E-07
3641	486863.09	3850877.25	2.30E-03	2.34E-03	2.34E-03	7.95E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.87E-07	5.86E-07	0.00E+00	0.00E+00	2.56E-07	4.81E-08	3.05E-07	4.71E-08	4.54E-08	7.02E-07
3642	487363.09	3850877.25	2.06E-03	2.10E-03	2.10E-03	7.12E-07	2.15E-06	1.25E-06	1.27E-06	1.15E-06	5.26E-07	5.25E-07	0.00E+00	0.00E+00	2.29E-07	4.31E-08	2.74E-07	4.22E-08	4.06E-08	6.29E-07
3643	487863.09	3850877.25	1.89E-03	1.93E-03	1.93E-03	6.55E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.83E-07	4.83E-07	0.00E+00	0.00E+00	2.11E-07	3.97E-08	2.52E-07	3.88E-08	3.74E-08	5.78E-07
3644	488363.09	3850877.25	1.75E-03	1.78E-03	1.78E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.78E-07	4.46E-07	4.46E-07	0.00E+00	0.00E+00	1.95E-07	3.66E-08	2.32E-07	3.59E-08	3.45E-08	5.34E-07
3645	488863.09	3850877.25	1.60E-03	1.63E-03	1.63E-03	5.54E-07	1.67E-06	9.68E-07	9.88E-07	8.95E-07	4.09E-07	4.08E-07	0.00E+00	0.00E+00	1.78E-07	3.35E-08	2.13E-07	3.28E-08	3.16E-08	4.89E-07
3646	489363.09	3850877.25	1.47E-03	1.50E-03	1.50E-03	5.09E-07	1.54E-06	8.89E-07	9.07E-07	8.22E-07	3.75E-07	3.75E-07	0.00E+00	0.00E+00	1.64E-07	3.08E-08	1.95E-07	3.01E-08	2.90E-08	4.49E-07
3647	489863.09	3850877.25	1.33E-03	1.36E-03	1.36E-03	4.61E-07	1.39E-06	8.06E-07	8.23E-07	7.46E-07	3.40E-07	3.40E-07	0.00E+00	0.00E+00	1.48E-07	2.79E-08	1.77E-07	2.73E-08	2.63E-08	4.07E-07
3648	490363.09	3850877.25	1.22E-03	1.25E-03	1.24E-03	4.23E-07	1.28E-06	7.39E-07	7.54E-07	6.83E-07	3.12E-07	3.11E-07	0.00E+00	0.00E+00	1.36E-07	2.56E-08	1.62E-07	2.50E-08	2.41E-08	3.73E-07
3649	490863.09	3850877.25	1.11E-03	1.13E-03	1.13E-03	3.85E-07	1.16E-06	6.73E-07	6.86E-07	6.22E-07	2.84E-07	2.84E-07	0.00E+00	0.00E+00	1.24E-07	2.33E-08	1.48E-07	2.28E-08	2.20E-08	3.40E-07
3650	491363.09	3850877.25	9.88E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.98E-07	6.10E-07	5.53E-07	2.52E-07	2.52E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.31E-07	2.03E-08	1.95E-08	3.02E-07
3651	491863.09	3850877.25	8.68E-04	8.86E-04	8.85E-04	3.01E-07	9.08E-07	5.25E-07	5.36E-07	4.86E-07	2.22E-07	2.22E-07	0.00E+00	0.00E+00	9.67E-08	1.82E-08	1.15E-07	1.78E-08	1.72E-08	2.65E-07
3652	492363.09	3850877.25	7.64E-04	7.80E-04	7.79E-04	2.64E-07	7.99E-07	4.62E-07	4.72E-07	4.28E-07	1.95E-07	1.95E-07	0.00E+00	0.00E+00	8.51E-08	1.60E-08	1.02E-07	1.57E-08	1.51E-08	2.33E-07
3653	492863.09	3850877.25	6.85E-04	6.99E-04	6.99E-04	2.37E-07	7.16E-07	4.15E-07	4.23E-07	3.84E-07	1.75E-07	1.75E-07	0.00E+00	0.00E+00	7.63E-08	1.44E-08	9.11E-08	1.41E-08	1.35E-08	2.09E-07
3654	493363.09	3850877.25	6.36E-04	6.49E-04	6.48E-04	2.20E-07	6.65E-07	3.85E-07	3.93E-07	3.56E-07	1.62E-07	1.62E-07	0.00E+00	0.00E+00	7.08E-08	1.33E-08	8.46E-08	1.30E-08	1.26E-08	1.94E-07
3655	493863.09	3850877.25	6.52E-04	6.65E-04	6.64E-04	2.26E-07	6.81E-07	3.94E-07	4.02E-07	3.65E-07	1.66E-07	1.66E-07	0.00E+00	0.00E+00	7.26E-08	1.37E-08	8.67E-08	1.34E-08	1.29E-08	1.99E-07
3656	494363.09	3850877.25	6.33E-04	6.46E-04	6.45E-04	2.19E-07	6.62E-07	3.83E-07	3.91E-07	3.54E-07	1.62E-07	1.62E-07	0.00E+00	0.00E+00	7.05E-08	1.33E-08	8.42E-08	1.30E-08	1.25E-08	1.93E-07
3657	494863.09	3850877.25	6.54E-04	6.67E-04	6.66E-04	2.26E-07	6.83E-07	3.96E-07	4.04E-07	3.66E-07	1.67E-07	1.67E-07	0.00E+00	0.00E+00	7.28E-08	1.37E-08	8.70E-08	1.34E-08	1.29E-08	2.00E-07
3658	495363.09	3850877.25	6.75E-04	6.89E-04	6.88E-04	2.34E-07	7.06E-07	4.09E-07	4.17E-07	3.78E-07	1.72E-07	1.72E-07	0.00E+00	0.00E+00	7.52E-08	1.42E-08	8.98E-08	1.39E-08	1.33E-08	2.06E-07
3659	495863.09	3850877.25	6.48E-04	6.61E-04	6.60E-04	2.24E-07	6.77E-07	3.92E-07	4.00E-07	3.62E-07	1.65E-07	1.65E-07	0.00E+00	0.00E+00	7.21E-08	1.36E-08	8.61E-08	1.33E-08	1.28E-08	1.98E-07
3660	496363.09	3850877.25	6.42E-04	6.55E-04	6.54E-04	2.22E-07	6.71E-07	3.88E-07	3.96E-07	3.59E-07	1.64E-07	1.64E-07	0.00E+00	0.00E+00	7.14E-08	1.34E-08	8.53E-08	1.32E-08	1.27E-08	1.96E-07
3661	496863.09	3850877.25	6.54E-04	6.67E-04	6.66E-04	2.26E-07	6.83E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.67E-07	0.00E+00	0.00E+00	7.28E-08	1.37E-08	8.69E-08	1.34E-08	1.29E-08	2.00E-07
3662	497363.09	3850877.25	6.26E-04	6.38E-04	6.38E-04	2.17E-07	6.54E-07	3.79E-07	3.86E-07	3.50E-07	1.60E-07	1.60E-07	0.00E+00	0.00E+00	6.96E-08	1.31E-08	8.32E-08	1.28E-08	1.24E-08	1.91E-07
3663	497863.09	3850877.25	5.89E-04	6.01E-04	6.00E-04	2.04E-07	6.16E-07	3.56E-07	3.64E-07	3.30E-07	1.50E-07	1.50E-07	0.00E+00	0.00E+00	6.56E-08	1.23E-08	7.83E-08	1.21E-08	1.16E-08	1.80E-07
3664	498363.09	3850877.25	5.54E-04	5.65E-04	5.64E-04	1.92E-07	5.79E-07	3.35E-07	3.42E-07	3.10E-07	1.41E-07	1.41E-07	0.00E+00	0.00E+00	6.16E-08	1.16E-08	7.36E-08	1.14E-08	1.09E-08	1.69E-07
3665	471363.09	3851377.25	5.25E-04	5.36E-04	5.35E-04	1.82E-07	5.49E-07	3.18E-07	3.24E-07	2.94E-07	1.34E-07	1.34E-07	0.00E+00	0.00E+00	5.85E-08	1.10E-08	6.98E-08	1.08E-08	1.04E-08	1.60E-07
3666	471863.09	3851377.25	7.67E-04	7.82E-04	7.81E-04	2.65E-07	8.01E-07	4.64E-07	4.73E-07	4.29E-07	1.96E-07	1.96E-07	0.00E+00	0.00E+00	8.53E-08	1.61E-08	1.02E-07	1.57E-08	1.51E-08	2.34E-07
3667	472363.09	3851377.25	8.50E-04	8.67E-04	8.66E-04	2.94E-07	8.88E-07	5.14E-07	5.25E-07	4.76E-07	2.17E-07	2.17E-07	0.00E+00	0.00E+00	9.46E-08	1.78E-08	1.13E-07	1.74E-08	1.68E-08	2.60E-07
3668	472863.09	3851377.25	9.47E-04	9.66E-04	9.65E-04	3.28E-07	9.90E-07	5.73E-07	5.85E-07	5.30E-07	2.42E-07	2.42E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.87E-08	2.89E-07
3669	473363.09	3851377.25	8.96E-04	9.14E-04	9.13E-04	3.10E-07	9.37E-07	5.42E-07	5.53E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.97E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
3670	473863.09	3851377.25	1.07E-03	1.09E-03	1.09E-03	3.69E-07	1.12E-06	6.46E-07	6.59E-07	5.97E-07	2.72E-07	2.72E-07	0.00E+00	0.00E+00	1.19E-07	2.24E-08	1.42E-07	2.19E-08	2.11E-08	3.26E-07
3671	474363.09	3851377.25	1.47E-03	1.50E-03	1.50E-03	5.10E-07	1.54E-06	8.92E-07	9.10E-07	8.25E-07	3.76E-07	3.76E-07	0.00E+00	0.00E+00	1.64E-07	3.09E-08	1.96E-07	3.02E-08	2.91E-08	4.50E-07
3672	474863.09	3851377.25	1.79E-03	1.83E-03	1.83E-03	6.21E-07	1.87E-06	1.09E-06	1.11E-06	1.00E-06	4.58E-07	4.57E-07	0.00E+00	0.00E+00	2.00E-07	3.76E-08	2.38E-07	3.68E-08	3.54E-08	5.48E-07
3673	475363.09	3851377.25	2.04E-03	2.08E-03	2.08E-03	7.06E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.21E-07	5.21E-07	0.00E+00	0.00E+00	2.27E-07	4.28E-08	2.71E-07	4.19E-08	4.03E-08	6.24E-07
3674	475863.09	3851377.25	2.29E-03	2.33E-03	2.33E-03	7.91E-07	2.39E-06	1.38E-06	1.41E-06	1.28E-06	5.84E-07	5.83E-07	0.00E+00	0.00E+00	2.54E-07	4.79E-08	3.04E-07	4.69E-08	4.52E-08	6.98E-07
3675	476363.09	3851377.25	2.59E-03	2.64E-03	2.64E-03	8.95E-07	2.70E-06	1.56E-06	1.60E-06	1.45E-06	6.60E-07	6.59E-07	0.00E+00	0.00E+00	2.88E-07	5.42E-08	3.44E-07	5.30E-08	5.11E-08	7.90E-07
3676	476863.09	3851377.25	2.96E-03	3.02E-03	3.01E-03	1.02E-06	3.09E-06	1.79E-06	1.83E-06	1.65E-06	7.55E-07	7.54E-07	0.00E+00	0.00E+00	3.29E-07	6.20E-08	3.93E-07	6.06E-08	5.84E-08	9.03E-07
3677	477363.09	3851377.25	3.38E-03	3.45E-03	3.45E-03	1.17E-06	3.54E-06	2.05E-06	2.09E-06	1.89E-06	8.64E-07	8.63E-07	0.00E+00	0.00E+00	3.77E-07	7.09E-08	4.50E-07	6.94E-08	6.68E-08	1.03E-06
3678	477863.09	3851377.25	3.94E-03	4.02E-03	4.01E-03	1.36E-06	4.12E-06	2.38E-06	2.43E-06	2.20E-06	1.01E-06	1.00E-06	0.00E+00	0.00E+00	4.38E-07	8.25E-08	5.24E-07	8.08E-08	7.78E-08	1.20E-06
3679	478363.09	3851377.25	4.67E-03	4.77E-03	4.76E-03	1.62E-06	4.89E-06	2.83E-06	2.89E-06	2.62E-06	1.19E-06	1.19E-06	0.00E+00	0.00E+00	5.20E-07	9.80E-08	6.22E-07	9.59E-08	9.23E-08	1.43E-06
3680	478863.09	3851377.25	5.68E-03	5.80E-03	5.79E-03	1.97E-06	5.94E-06	3.44E-06	3.51E-06	3.18E-06	1.45E-06	1.45E-06	0.00E+00	0.00E+00	6.32E-07	1.19E-07	7.55E-07	1.16E-07	1.12E-07	1.74E-06
3681	479363.09	3851377.25	7.31E-03	7.46E-03	7.45E-03	2.53E-06	7.64E-06	4.42E-06	4.51E-06	4.09E-06	1.87E-06	1.86E-06	0.00E+00	0.00E+00	8.13E-07	1.53E-07	9.72E-07	1.50E-07	1.44E-07	2.23E-06
3682	479863.09	3851377.25	1.02E-02	1.04E-02	1.04E-02	3.53E-06	1.07E-05	6.18E-06	6.30E-06	5.71E-06	2.61E-06	2.60E-06	0.00E+00	0.00E+00	1.14E-06	2.14E-07	1.36E-06	2.09E-07	2.02E-07	3.12E-06
3683	480363.09	3851377.25	1.83E-02	1.87E-02	1.87E-02	6.34E-06	1.91E-05	1.11E-05	1.13E-05	1.02E-05	4.68E-06	4.67E-06	0.00E+00	0.00E+00	2.04E-06	3.84E-07	2.43E-06	3.75E-07	3.62E-07	5.59E-06
3684	480863.09	3851377.25	9.06E-02	9.24E-02	9.23E-02	3.13E-05	9.47E-05	5.48E-05	5.59E-05	5.07E-05	2.31E-05	2.31E-05	0.00E+00	0.00E+00	1.01E-05	1.90E-06	1.20E-05	1.86E-06	1.79E-06	2.77E-05
3685	481363.09	3851377.25	2.95E-02	3.01E-02	3.00E-02	1.02E-05	3.08E-05	1.78E-05	1.82E-05	1.65E-05	7.52E-06	7.51E-06	0.00E+00	0.00E+00	3.28E-06	6.17E-07	3.92E-06	6.04E-07	5.82E-07	9.00E-06
3686	481863.09	3851377.25	1.51E-02	1.54E-02	1.54E-02	5.22E-06	1.58E-05	9.13E-06	9.32E-06	8.45E-06	3.85E-06	3.85E-06	0.00E+00	0.00E+00	1.68E-06	3.16E-07	2.01E-06	3.09E-07	2.98E-07	4.61E-06
3687	482363.09	3851377.25	9.97E-03	1.02E-02	1.02E-02	3.45E-06	1.04E-05	6.03E-06	6.16E-06	5.58E-06	2.55E-06	2.54E-06	0.00E+00	0.00E+00	1.11E-06	2.09E-07	1.33E-06	2.05E-07	1.97E-07	3.05E-06
3688	482863.09	3851377.25	6.66E-03	6.80E-03	6.79E-03	2.31E-06	6.96E-06	4.03E-06	4.11E-06	3.73E-06	1.70E-06	1.70E-06	0.00E+00	0.00E+00	7.41E-07	1.40E-07	8.86E-07	1.37E-07	1.32E-07	2.03E-06
3689	483363.09	3851377.25	4.81E-03	4.91E-03	4.91E-03	1.67E-06	5.03E-06	2.91E-06	2.97E-06	2.69E-06	1.23E-06	1.23E-06	0.00E+00	0.00E+00	5.36E-07	1.01E-07	6.40E-07	9.87E-08	9.51E-08	1.47E-06

3690	483863.09	3851377.25	4.02E-03	4.10E-03	4.09E-03	1.39E-06	4.20E-06	2.43E-06	2.48E-06	2.25E-06	1.03E-06	1.02E-06	0.00E+00	0.00E+00	4.47E-07	8.42E-08	5.34E-07	8.24E-08	7.93E-08	1.23E-06
3691	484363.09	3851377.25	4.21E-03	4.30E-03	4.29E-03	1.46E-06	4.40E-06	2.55E-06	2.60E-06	2.36E-06	1.07E-06	1.07E-06	0.00E+00	0.00E+00	4.69E-07	8.82E-08	5.60E-07	8.63E-08	8.31E-08	1.29E-06
3692	484863.09	3851377.25	3.26E-03	3.33E-03	3.33E-03	1.13E-06	3.41E-06	1.97E-06	2.02E-06	1.83E-06	8.34E-07	8.33E-07	0.00E+00	0.00E+00	3.63E-07	6.84E-08	4.34E-07	6.69E-08	6.45E-08	9.97E-07
3693	485363.09	3851377.25	3.46E-03	3.53E-03	3.53E-03	1.20E-06	3.62E-06	2.09E-06	2.14E-06	1.94E-06	8.84E-07	8.83E-07	0.00E+00	0.00E+00	3.85E-07	7.25E-08	4.60E-07	7.10E-08	6.84E-08	1.06E-06
3694	485863.09	3851377.25	2.92E-03	2.98E-03	2.97E-03	1.01E-06	3.05E-06	1.77E-06	1.80E-06	1.63E-06	7.45E-07	7.44E-07	0.00E+00	0.00E+00	3.25E-07	6.12E-08	3.88E-07	5.99E-08	5.76E-08	8.92E-07
3695	486363.09	3851377.25	2.80E-03	2.86E-03	2.86E-03	9.71E-07	2.93E-06	1.70E-06	1.73E-06	1.57E-06	7.16E-07	7.15E-07	0.00E+00	0.00E+00	3.12E-07	5.88E-08	3.73E-07	5.75E-08	5.54E-08	8.57E-07
3696	486863.09	3851377.25	2.51E-03	2.56E-03	2.56E-03	8.70E-07	2.63E-06	1.52E-06	1.55E-06	1.41E-06	6.42E-07	6.41E-07	0.00E+00	0.00E+00	2.80E-07	5.27E-08	3.34E-07	5.15E-08	4.96E-08	7.68E-07
3697	487363.09	3851377.25	2.12E-03	2.16E-03	2.16E-03	7.34E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.41E-07	5.41E-07	0.00E+00	0.00E+00	2.36E-07	4.44E-08	2.82E-07	4.35E-08	4.19E-08	6.48E-07
3698	487863.09	3851377.25	2.04E-03	2.08E-03	2.08E-03	7.06E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.21E-07	5.20E-07	0.00E+00	0.00E+00	2.27E-07	4.27E-08	2.71E-07	4.18E-08	4.03E-08	6.23E-07
3699	488363.09	3851377.25	1.89E-03	1.92E-03	1.92E-03	6.53E-07	1.97E-06	1.14E-06	1.16E-06	1.06E-06	4.82E-07	4.81E-07	0.00E+00	0.00E+00	2.10E-07	3.95E-08	2.51E-07	3.87E-08	3.73E-08	5.76E-07
3700	488863.09	3851377.25	1.72E-03	1.75E-03	1.75E-03	5.95E-07	1.80E-06	1.04E-06	1.06E-06	9.61E-07	4.39E-07	4.38E-07	0.00E+00	0.00E+00	1.91E-07	3.60E-08	2.28E-07	3.52E-08	3.39E-08	5.25E-07
3701	489363.09	3851377.25	1.57E-03	1.60E-03	1.60E-03	5.42E-07	1.64E-06	9.48E-07	9.67E-07	8.77E-07	4.00E-07	4.00E-07	0.00E+00	0.00E+00	1.74E-07	3.28E-08	2.08E-07	3.21E-08	3.09E-08	4.79E-07
3702	489863.09	3851377.25	1.42E-03	1.45E-03	1.45E-03	4.92E-07	1.48E-06	8.59E-07	8.77E-07	7.95E-07	3.63E-07	3.62E-07	0.00E+00	0.00E+00	1.58E-07	2.98E-08	1.89E-07	2.91E-08	2.80E-08	4.34E-07
3703	490363.09	3851377.25	1.29E-03	1.32E-03	1.32E-03	4.48E-07	1.35E-06	7.83E-07	7.99E-07	7.24E-07	3.30E-07	3.30E-07	0.00E+00	0.00E+00	1.44E-07	2.71E-08	1.72E-07	2.65E-08	2.56E-08	3.95E-07
3704	490863.09	3851377.25	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.09E-07	7.23E-07	6.55E-07	2.99E-07	2.99E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.56E-07	2.40E-08	2.31E-08	3.58E-07
3705	491363.09	3851377.25	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.09E-06	6.28E-07	6.41E-07	5.81E-07	2.65E-07	2.65E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.38E-07	2.13E-08	2.05E-08	3.17E-07
3706	491863.09	3851377.25	9.28E-04	9.47E-04	9.45E-04	3.21E-07	9.70E-07	5.61E-07	5.73E-07	5.19E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
3707	492363.09	3851377.25	8.44E-04	8.61E-04	8.60E-04	2.92E-07	8.82E-07	5.11E-07	5.21E-07	4.72E-07	2.16E-07	2.15E-07	0.00E+00	0.00E+00	9.39E-08	1.77E-08	1.12E-07	1.73E-08	1.67E-08	2.58E-07
3708	492863.09	3851377.25	7.56E-04	7.72E-04	7.71E-04	2.62E-07	7.90E-07	4.57E-07	4.67E-07	4.23E-07	1.93E-07	1.93E-07	0.00E+00	0.00E+00	8.42E-08	1.58E-08	1.01E-07	1.55E-08	1.49E-08	2.31E-07
3709	493363.09	3851377.25	6.19E-04	6.32E-04	6.31E-04	2.14E-07	6.47E-07	3.75E-07	3.82E-07	3.47E-07	1.58E-07	1.58E-07	0.00E+00	0.00E+00	6.89E-08	1.30E-08	8.24E-08	1.27E-08	1.22E-08	1.89E-07
3710	493863.09	3851377.25	6.34E-04	6.46E-04	6.46E-04	2.19E-07	6.62E-07	3.83E-07	3.91E-07	3.55E-07	1.62E-07	1.62E-07	0.00E+00	0.00E+00	7.05E-08	1.33E-08	8.42E-08	1.30E-08	1.25E-08	1.94E-07
3711	494363.09	3851377.25	7.06E-04	7.21E-04	7.20E-04	2.44E-07	7.38E-07	4.27E-07	4.36E-07	3.95E-07	1.80E-07	1.80E-07	0.00E+00	0.00E+00	7.86E-08	1.48E-08	9.39E-08	1.45E-08	1.40E-08	2.16E-07
3712	494863.09	3851377.25	6.86E-04	7.00E-04	6.99E-04	2.38E-07	7.17E-07	4.15E-07	4.24E-07	3.84E-07	1.75E-07	1.75E-07	0.00E+00	0.00E+00	7.64E-08	1.44E-08	9.13E-08	1.41E-08	1.36E-08	2.10E-07
3713	495363.09	3851377.25	7.38E-04	7.53E-04	7.52E-04	2.55E-07	7.71E-07	4.46E-07	4.55E-07	4.13E-07	1.88E-07	1.88E-07	0.00E+00	0.00E+00	8.21E-08	1.55E-08	9.81E-08	1.51E-08	1.46E-08	2.25E-07
3714	495863.09	3851377.25	7.28E-04	7.42E-04	7.42E-04	2.52E-07	7.60E-07	4.40E-07	4.49E-07	4.07E-07	1.86E-07	1.86E-07	0.00E+00	0.00E+00	8.10E-08	1.52E-08	9.67E-08	1.49E-08	1.44E-08	2.22E-07
3715	496363.09	3851377.25	7.04E-04	7.18E-04	7.17E-04	2.44E-07	7.36E-07	4.26E-07	4.35E-07	3.94E-07	1.80E-07	1.80E-07	0.00E+00	0.00E+00	7.84E-08	1.48E-08	9.36E-08	1.44E-08	1.39E-08	2.15E-07
3716	496863.09	3851377.25	6.73E-04	6.87E-04	6.86E-04	2.33E-07	7.03E-07	4.07E-07	4.16E-07	3.77E-07	1.72E-07	1.72E-07	0.00E+00	0.00E+00	7.49E-08	1.41E-08	8.95E-08	1.38E-08	1.33E-08	2.06E-07
3717	497363.09	3851377.25	6.42E-04	6.55E-04	6.54E-04	2.22E-07	6.71E-07	3.88E-07	3.96E-07	3.59E-07	1.64E-07	1.64E-07	0.00E+00	0.00E+00	7.14E-08	1.34E-08	8.53E-08	1.32E-08	1.27E-08	1.96E-07
3718	497863.09	3851377.25	6.05E-04	6.18E-04	6.17E-04	2.10E-07	6.33E-07	3.66E-07	3.74E-07	3.39E-07	1.55E-07	1.54E-07	0.00E+00	0.00E+00	6.74E-08	1.27E-08	8.05E-08	1.24E-08	1.20E-08	1.85E-07
3719	498363.09	3851377.25	5.53E-04	5.65E-04	5.64E-04	1.92E-07	5.78E-07	3.35E-07	3.42E-07	3.10E-07	1.41E-07	1.41E-07	0.00E+00	0.00E+00	6.16E-08	1.16E-08	7.36E-08	1.13E-08	1.09E-08	1.69E-07
3720	471363.09	3851877.25	5.32E-04	5.43E-04	5.42E-04	1.84E-07	5.56E-07	3.22E-07	3.29E-07	2.98E-07	1.36E-07	1.36E-07	0.00E+00	0.00E+00	5.92E-08	1.12E-08	7.08E-08	1.09E-08	1.05E-08	1.63E-07
3721	471863.09	3851877.25	5.35E-04	5.46E-04	5.46E-04	1.85E-07	5.60E-07	3.24E-07	3.31E-07	3.00E-07	1.37E-07	1.37E-07	0.00E+00	0.00E+00	5.96E-08	1.12E-08	7.12E-08	1.10E-08	1.06E-08	1.64E-07
3722	472363.09	3851877.25	6.75E-04	6.89E-04	6.88E-04	2.34E-07	7.05E-07	4.08E-07	4.17E-07	3.78E-07	1.72E-07	1.72E-07	0.00E+00	0.00E+00	7.51E-08	1.41E-08	8.97E-08	1.38E-08	1.33E-08	2.06E-07
3723	472863.09	3851877.25	8.16E-04	8.33E-04	8.32E-04	2.83E-07	8.53E-07	4.94E-07	5.04E-07	4.57E-07	2.08E-07	2.08E-07	0.00E+00	0.00E+00	9.09E-08	1.71E-08	1.09E-07	1.67E-08	1.61E-08	2.49E-07
3724	473363.09	3851877.25	7.85E-04	8.01E-04	8.00E-04	2.72E-07	8.20E-07	4.75E-07	4.85E-07	4.39E-07	2.00E-07	2.00E-07	0.00E+00	0.00E+00	8.74E-08	1.65E-08	1.04E-07	1.61E-08	1.55E-08	2.40E-07
3725	473863.09	3851877.25	8.52E-04	8.70E-04	8.69E-04	2.95E-07	8.91E-07	5.16E-07	5.26E-07	4.77E-07	2.18E-07	2.17E-07	0.00E+00	0.00E+00	9.49E-08	1.79E-08	1.13E-07	1.75E-08	1.68E-08	2.60E-07
3726	474363.09	3851877.25	1.12E-03	1.14E-03	1.14E-03	3.86E-07	1.17E-06	6.75E-07	6.89E-07	6.25E-07	2.85E-07	2.85E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.48E-07	2.29E-08	2.20E-08	3.41E-07
3727	474863.09	3851877.25	1.40E-03	1.43E-03	1.43E-03	4.84E-07	1.46E-06	8.46E-07	8.63E-07	7.83E-07	3.57E-07	3.57E-07	0.00E+00	0.00E+00	1.56E-07	2.93E-08	1.86E-07	2.87E-08	2.76E-08	4.27E-07
3728	475363.09	3851877.25	1.62E-03	1.65E-03	1.65E-03	5.60E-07	1.69E-06	9.79E-07	9.99E-07	9.06E-07	4.13E-07	4.13E-07	0.00E+00	0.00E+00	1.80E-07	3.39E-08	2.15E-07	3.32E-08	3.20E-08	4.95E-07
3729	475863.09	3851877.25	1.81E-03	1.85E-03	1.85E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.63E-07	4.63E-07	0.00E+00	0.00E+00	2.02E-07	3.80E-08	2.41E-07	3.72E-08	3.58E-08	5.54E-07
3730	476363.09	3851877.25	1.91E-03	1.95E-03	1.95E-03	6.62E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.88E-07	4.88E-07	0.00E+00	0.00E+00	2.13E-07	4.01E-08	2.54E-07	3.92E-08	3.78E-08	5.84E-07
3731	476863.09	3851877.25	2.22E-03	2.26E-03	2.26E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.66E-07	5.65E-07	0.00E+00	0.00E+00	2.47E-07	4.65E-08	2.95E-07	4.55E-08	4.38E-08	6.77E-07
3732	477363.09	3851877.25	2.55E-03	2.61E-03	2.60E-03	8.84E-07	2.67E-06	1.55E-06	1.58E-06	1.43E-06	6.52E-07	6.51E-07	0.00E+00	0.00E+00	2.84E-07	5.35E-08	3.40E-07	5.24E-08	5.04E-08	7.80E-07
3733	477863.09	3851877.25	2.91E-03	2.97E-03	2.97E-03	1.01E-06	3.04E-06	1.76E-06	1.80E-06	1.63E-06	7.43E-07	7.43E-07	0.00E+00	0.00E+00	3.24E-07	6.10E-08	3.87E-07	5.97E-08	5.75E-08	8.89E-07
3734	478363.09	3851877.25	3.27E-03	3.33E-03	3.33E-03	1.13E-06	3.41E-06	1.98E-06	2.02E-06	1.83E-06	8.34E-07	8.33E-07	0.00E+00	0.00E+00	3.63E-07	6.84E-08	4.34E-07	6.70E-08	6.45E-08	9.98E-07
3735	478863.09	3851877.25	3.90E-03	3.98E-03	3.98E-03	1.35E-06	4.08E-06	2.36E-06	2.41E-06	2.18E-06	9.97E-07	9.96E-07	0.00E+00	0.00E+00	4.35E-07	8.18E-08	5.19E-07	8.01E-08	7.71E-08	1.19E-06
3736	479363.09	3851877.25	4.69E-03	4.79E-03	4.78E-03	1.62E-06	4.90E-06	2.84E-06	2.90E-06	2.63E-06	1.20E-06	1.20E-06	0.00E+00	0.00E+00	5.22E-07	9.83E-08	6.24E-07	9.62E-08	9.27E-08	1.43E-06
3737	479863.09	3851877.25	5.67E-03	5.79E-03	5.78E-03	1.96E-06	5.93E-06	3.43E-06	3.50E-06	3.18E-06	1.45E-06	1.45E-06	0.00E+00	0.00E+00	6.32E-07	1.19E-07	7.54E-07	1.16E-07	1.12E-07	1.73E-06
3738	480363.09	3851877.25	7.39E-03	7.54E-03	7.53E-03	2.56E-06	7.72E-06	4.47E-06	4.56E-06	4.14E-06	1.89E-06	1.88E-06	0.00E+00	0.00E+00	8.23E-07	1.55E-07	9.83E-07	1.52E-07	1.46E-07	2.26E-06
3739	480863.09	3851877.25	1.08E-02	1.10E-02	1.10E-02	3.72E-06	1.12E-05	6.51E-06	6.64E-06	6.02E-06	2.75E-06	2.74E-06	0.00E+00	0.00E+00	1.20E-06	2.25E-07	1.43E-06	2.21E-07	2.12E-07	3.29E-06
3740	481363.09	3851877.25	2.61E-02	2.66E-02	2.66E-02	9.03E-06	2.73E-05	1.58E-05	1.61E-05	1.46E-05	6.66E-06	6.66E-06	0.00E+00	0.00E+00	2.90E-06	5.47E-07	3.47E-06	5.35E-07	5.15E-07	7.97E-06
3741	481863.09	3851877.25	2.88E-02	2.94E-02	2.94E-02	9.98E-06	3.01E-05	1.74E-05	1.78E-05	1.61E-05	7.36E-06	7.35E-06	0.00E+00	0.00E+00	3.21E-06	6.04E-07	3.83E-06	5.91E-07	5.69E-07	8.81E-06
3742	482363.09	3851877.25	1.13E-02	1.16E-02	1.16E-02	3.92E-06	1.18E-05	6.86E-06	7.00E-06	6.34E-06	2.89E-06	2.89E-06	0.00E+00	0.00E+00	1.26E-06	2.38E-07	1.51E-06	2.32E-07	2.24E-07	3.46E-06
3743	482863.09	3851877.25	6.89E-03	7.03E-03	7.02E-03	2.38E-06	7.20E-06	4.17E-06	4.25E-06	3.85E-06	1.76E-06	1.76E-06	0.00E+00	0.00E+00	7.66E-07	1.44E-07	9.16E-07	1.41E-07	1.36E-07	2.10E-06
3744	483363.09	3851877.25	6.06E-03	6.18E-03	6.17E-03	2.10E-06	6.33E-06	3.66E-06	3.74E-06	3.39E-06	1.55E-06	1.54E-06	0.00E+00	0.00E+00	6.74E-07	1.27E-07	8.05E-07	1.24E-07	1.20E-07	1.85E-06
3745	483863.09	3851877.25	5.05E-03	5.16E-03	5.15E-03	1.75E-06	5.28E-06	3.06E-06	3.12E-06	2.83E-06	1.29E-06	1.29E-06	0.00E+00	0.00E+00	5.63E-07	1.06E-07	6.72E-07	1.04E-07	9.98E-08	1.54E-06

3746	484363.09	3851877.25	4.79E-03	4.88E-03	4.88E-03	1.66E-06	5.00E-06	2.90E-06	2.96E-06	2.68E-06	1.22E-06	1.22E-06	0.00E+00	0.00E+00	5.33E-07	1.00E-07	6.37E-07	9.82E-08	9.46E-08	1.46E-06
3747	484863.09	3851877.25	4.08E-03	4.17E-03	4.16E-03	1.41E-06	4.27E-06	2.47E-06	2.52E-06	2.28E-06	1.04E-06	1.04E-06	0.00E+00	0.00E+00	4.54E-07	8.55E-08	5.43E-07	8.37E-08	8.06E-08	1.25E-06
3748	485363.09	3851877.25	3.74E-03	3.82E-03	3.81E-03	1.29E-06	3.91E-06	2.26E-06	2.31E-06	2.09E-06	9.55E-07	9.54E-07	0.00E+00	0.00E+00	4.16E-07	7.84E-08	4.97E-07	7.67E-08	7.39E-08	1.14E-06
3749	485863.09	3851877.25	3.40E-03	3.47E-03	3.47E-03	1.18E-06	3.56E-06	2.06E-06	2.10E-06	1.91E-06	8.69E-07	8.68E-07	0.00E+00	0.00E+00	3.79E-07	7.13E-08	4.53E-07	6.98E-08	6.72E-08	1.04E-06
3750	486363.09	3851877.25	2.91E-03	2.97E-03	2.97E-03	1.01E-06	3.05E-06	1.76E-06	1.80E-06	1.63E-06	7.44E-07	7.43E-07	0.00E+00	0.00E+00	3.24E-07	6.11E-08	3.88E-07	5.98E-08	5.76E-08	8.90E-07
3751	486863.09	3851877.25	2.63E-03	2.68E-03	2.68E-03	9.09E-07	2.75E-06	1.59E-06	1.62E-06	1.47E-06	6.71E-07	6.70E-07	0.00E+00	0.00E+00	2.92E-07	5.51E-08	3.49E-07	5.39E-08	5.19E-08	8.03E-07
3752	487363.09	3851877.25	2.36E-03	2.41E-03	2.41E-03	8.18E-07	2.47E-06	1.43E-06	1.46E-06	1.32E-06	6.04E-07	6.03E-07	0.00E+00	0.00E+00	2.63E-07	4.96E-08	3.14E-07	4.85E-08	4.67E-08	7.22E-07
3753	487863.09	3851877.25	1.99E-03	2.04E-03	2.03E-03	6.91E-07	2.09E-06	1.21E-06	1.23E-06	1.12E-06	5.09E-07	5.09E-07	0.00E+00	0.00E+00	2.22E-07	4.18E-08	2.65E-07	4.09E-08	3.94E-08	6.09E-07
3754	488363.09	3851877.25	1.82E-03	1.86E-03	1.86E-03	6.31E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.65E-07	4.65E-07	0.00E+00	0.00E+00	2.03E-07	3.82E-08	2.42E-07	3.74E-08	3.60E-08	5.57E-07
3755	488863.09	3851877.25	1.60E-03	1.63E-03	1.63E-03	5.54E-07	1.67E-06	9.68E-07	9.88E-07	8.96E-07	4.09E-07	4.08E-07	0.00E+00	0.00E+00	1.78E-07	3.35E-08	2.13E-07	3.28E-08	3.16E-08	4.89E-07
3756	489363.09	3851877.25	1.42E-03	1.45E-03	1.44E-03	4.91E-07	1.48E-06	8.58E-07	8.75E-07	7.93E-07	3.62E-07	3.62E-07	0.00E+00	0.00E+00	1.58E-07	2.97E-08	1.89E-07	2.91E-08	2.80E-08	4.33E-07
3757	489863.09	3851877.25	1.28E-03	1.31E-03	1.31E-03	4.44E-07	1.34E-06	7.76E-07	7.91E-07	7.17E-07	3.27E-07	3.27E-07	0.00E+00	0.00E+00	1.43E-07	2.69E-08	1.70E-07	2.63E-08	2.53E-08	3.92E-07
3758	490363.09	3851877.25	1.19E-03	1.21E-03	1.21E-03	4.12E-07	1.24E-06	7.20E-07	7.35E-07	6.66E-07	3.04E-07	3.04E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.35E-08	3.64E-07
3759	490863.09	3851877.25	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.76E-07	6.90E-07	6.25E-07	2.85E-07	2.85E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.21E-08	3.41E-07
3760	491363.09	3851877.25	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.41E-07	6.54E-07	5.93E-07	2.71E-07	2.70E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.17E-08	2.09E-08	3.24E-07
3761	491863.09	3851877.25	9.95E-04	1.02E-03	1.01E-03	3.44E-07	1.04E-06	6.02E-07	6.14E-07	5.57E-07	2.54E-07	2.54E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.32E-07	2.04E-08	1.97E-08	3.04E-07
3762	492363.09	3851877.25	8.96E-04	9.14E-04	9.13E-04	3.10E-07	9.37E-07	5.42E-07	5.53E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.97E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
3763	492863.09	3851877.25	7.15E-04	7.29E-04	7.29E-04	2.47E-07	7.47E-07	4.33E-07	4.41E-07	4.00E-07	1.83E-07	1.82E-07	0.00E+00	0.00E+00	7.96E-08	1.50E-08	9.51E-08	1.47E-08	1.41E-08	2.18E-07
3764	493363.09	3851877.25	7.94E-04	8.11E-04	8.10E-04	2.75E-07	8.30E-07	4.81E-07	4.90E-07	4.45E-07	2.03E-07	2.03E-07	0.00E+00	0.00E+00	8.84E-08	1.66E-08	1.06E-07	1.63E-08	1.57E-08	2.43E-07
3765	493863.09	3851877.25	8.62E-04	8.79E-04	8.78E-04	2.98E-07	9.01E-07	5.21E-07	5.32E-07	4.82E-07	2.20E-07	2.20E-07	0.00E+00	0.00E+00	9.59E-08	1.81E-08	1.15E-07	1.77E-08	1.70E-08	2.63E-07
3766	494363.09	3851877.25	7.88E-04	8.04E-04	8.03E-04	2.73E-07	8.24E-07	4.77E-07	4.86E-07	4.41E-07	2.01E-07	2.01E-07	0.00E+00	0.00E+00	8.77E-08	1.65E-08	1.05E-07	1.62E-08	1.56E-08	2.41E-07
3767	494863.09	3851877.25	8.06E-04	8.23E-04	8.22E-04	2.79E-07	8.43E-07	4.88E-07	4.98E-07	4.51E-07	2.06E-07	2.06E-07	0.00E+00	0.00E+00	8.97E-08	1.69E-08	1.07E-07	1.65E-08	1.59E-08	2.46E-07
3768	495363.09	3851877.25	7.96E-04	8.12E-04	8.11E-04	2.76E-07	8.32E-07	4.82E-07	4.92E-07	4.46E-07	2.03E-07	2.03E-07	0.00E+00	0.00E+00	8.86E-08	1.67E-08	1.06E-07	1.63E-08	1.57E-08	2.43E-07
3769	495863.09	3851877.25	7.76E-04	7.91E-04	7.90E-04	2.68E-07	8.11E-07	4.69E-07	4.79E-07	4.34E-07	1.98E-07	1.98E-07	0.00E+00	0.00E+00	8.63E-08	1.63E-08	1.03E-07	1.59E-08	1.53E-08	2.37E-07
3770	496363.09	3851877.25	7.33E-04	7.48E-04	7.47E-04	2.54E-07	7.66E-07	4.43E-07	4.52E-07	4.10E-07	1.87E-07	1.87E-07	0.00E+00	0.00E+00	8.16E-08	1.54E-08	9.75E-08	1.50E-08	1.45E-08	2.24E-07
3771	496863.09	3851877.25	6.90E-04	7.04E-04	7.03E-04	2.39E-07	7.21E-07	4.17E-07	4.26E-07	3.86E-07	1.76E-07	1.76E-07	0.00E+00	0.00E+00	7.68E-08	1.45E-08	9.17E-08	1.41E-08	1.36E-08	2.11E-07
3772	497363.09	3851877.25	6.46E-04	6.60E-04	6.59E-04	2.24E-07	6.76E-07	3.91E-07	3.99E-07	3.62E-07	1.65E-07	1.65E-07	0.00E+00	0.00E+00	7.20E-08	1.35E-08	8.60E-08	1.33E-08	1.28E-08	1.98E-07
3773	497863.09	3851877.25	5.87E-04	5.99E-04	5.98E-04	2.03E-07	6.14E-07	3.55E-07	3.62E-07	3.29E-07	1.50E-07	1.50E-07	0.00E+00	0.00E+00	6.53E-08	1.23E-08	7.81E-08	1.20E-08	1.16E-08	1.79E-07
3774	498363.09	3851877.25	5.34E-04	5.45E-04	5.44E-04	1.85E-07	5.58E-07	3.23E-07	3.30E-07	2.99E-07	1.36E-07	1.36E-07	0.00E+00	0.00E+00	5.95E-08	1.12E-08	7.10E-08	1.10E-08	1.06E-08	1.63E-07
3775	471363.09	3852377.25	4.11E-04	4.19E-04	4.19E-04	1.42E-07	4.30E-07	2.49E-07	2.54E-07	2.30E-07	1.05E-07	1.05E-07	0.00E+00	0.00E+00	4.58E-08	8.61E-09	5.47E-08	8.43E-09	8.12E-09	1.26E-07
3776	471863.09	3852377.25	5.12E-04	5.22E-04	5.22E-04	1.77E-07	5.35E-07	3.10E-07	3.16E-07	2.86E-07	1.31E-07	1.31E-07	0.00E+00	0.00E+00	5.70E-08	1.07E-08	6.81E-08	1.05E-08	1.01E-08	1.56E-07
3777	472363.09	3852377.25	5.91E-04	6.03E-04	6.02E-04	2.04E-07	6.17E-07	3.57E-07	3.65E-07	3.31E-07	1.51E-07	1.51E-07	0.00E+00	0.00E+00	6.57E-08	1.24E-08	7.85E-08	1.21E-08	1.17E-08	1.80E-07
3778	472863.09	3852377.25	6.72E-04	6.86E-04	6.85E-04	2.33E-07	7.02E-07	4.07E-07	4.15E-07	3.76E-07	1.72E-07	1.71E-07	0.00E+00	0.00E+00	7.48E-08	1.41E-08	8.93E-08	1.38E-08	1.33E-08	2.05E-07
3779	473363.09	3852377.25	7.33E-04	7.48E-04	7.47E-04	2.54E-07	7.66E-07	4.43E-07	4.52E-07	4.10E-07	1.87E-07	1.87E-07	0.00E+00	0.00E+00	8.16E-08	1.54E-08	9.75E-08	1.50E-08	1.45E-08	2.24E-07
3780	473863.09	3852377.25	7.75E-04	7.90E-04	7.90E-04	2.68E-07	8.10E-07	4.69E-07	4.78E-07	4.34E-07	1.98E-07	1.98E-07	0.00E+00	0.00E+00	8.62E-08	1.62E-08	1.03E-07	1.59E-08	1.53E-08	2.37E-07
3781	474363.09	3852377.25	8.24E-04	8.41E-04	8.40E-04	2.85E-07	8.62E-07	4.99E-07	5.09E-07	4.61E-07	2.11E-07	2.10E-07	0.00E+00	0.00E+00	9.18E-08	1.73E-08	1.10E-07	1.69E-08	1.63E-08	2.52E-07
3782	474863.09	3852377.25	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.02E-07	7.16E-07	6.49E-07	2.96E-07	2.96E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.29E-08	3.54E-07
3783	475363.09	3852377.25	1.25E-03	1.27E-03	1.27E-03	4.32E-07	1.31E-06	7.56E-07	7.71E-07	6.99E-07	3.19E-07	3.19E-07	0.00E+00	0.00E+00	1.39E-07	2.62E-08	1.66E-07	2.56E-08	2.47E-08	3.82E-07
3784	475863.09	3852377.25	1.33E-03	1.36E-03	1.35E-03	4.60E-07	1.39E-06	8.04E-07	8.20E-07	7.43E-07	3.39E-07	3.39E-07	0.00E+00	0.00E+00	1.48E-07	2.78E-08	1.77E-07	2.72E-08	2.62E-08	4.06E-07
3785	476363.09	3852377.25	1.36E-03	1.39E-03	1.39E-03	4.71E-07	1.42E-06	8.22E-07	8.39E-07	7.61E-07	3.47E-07	3.47E-07	0.00E+00	0.00E+00	1.51E-07	2.85E-08	1.81E-07	2.79E-08	2.68E-08	4.15E-07
3786	476863.09	3852377.25	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.40E-07	8.52E-07	3.89E-07	3.88E-07	0.00E+00	0.00E+00	1.70E-07	3.19E-08	2.03E-07	3.12E-08	3.01E-08	4.65E-07
3787	477363.09	3852377.25	1.62E-03	1.66E-03	1.66E-03	5.62E-07	1.70E-06	9.83E-07	1.00E-06	9.09E-07	4.15E-07	4.14E-07	0.00E+00	0.00E+00	1.81E-07	3.40E-08	2.16E-07	3.33E-08	3.21E-08	4.96E-07
3788	477863.09	3852377.25	1.38E-03	1.41E-03	1.40E-03	4.77E-07	1.44E-06	8.33E-07	8.50E-07	7.71E-07	3.52E-07	3.51E-07	0.00E+00	0.00E+00	1.53E-07	2.89E-08	1.83E-07	2.82E-08	2.72E-08	4.21E-07
3789	478363.09	3852377.25	1.24E-03	1.27E-03	1.27E-03	4.31E-07	1.30E-06	7.53E-07	7.68E-07	6.97E-07	3.18E-07	3.17E-07	0.00E+00	0.00E+00	1.39E-07	2.61E-08	1.66E-07	2.55E-08	2.46E-08	3.80E-07
3790	478863.09	3852377.25	1.87E-03	1.90E-03	1.90E-03	6.46E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.76E-07	4.76E-07	0.00E+00	0.00E+00	2.08E-07	3.91E-08	2.48E-07	3.83E-08	3.69E-08	5.70E-07
3791	479363.09	3852377.25	2.40E-03	2.45E-03	2.45E-03	8.32E-07	2.51E-06	1.45E-06	1.48E-06	1.35E-06	6.14E-07	6.13E-07	0.00E+00	0.00E+00	2.68E-07	5.04E-08	3.20E-07	4.93E-08	4.75E-08	7.34E-07
3792	479863.09	3852377.25	3.67E-03	3.75E-03	3.74E-03	1.27E-06	3.84E-06	2.22E-06	2.27E-06	2.05E-06	9.38E-07	9.37E-07	0.00E+00	0.00E+00	4.09E-07	7.69E-08	4.88E-07	7.53E-08	7.25E-08	1.12E-06
3793	480363.09	3852377.25	4.76E-03	4.86E-03	4.85E-03	1.65E-06	4.98E-06	2.88E-06	2.94E-06	2.67E-06	1.22E-06	1.21E-06	0.00E+00	0.00E+00	5.30E-07	9.98E-08	6.33E-07	9.77E-08	9.41E-08	1.45E-06
3794	480863.09	3852377.25	6.15E-03	6.28E-03	6.27E-03	2.13E-06	6.43E-06	3.72E-06	3.80E-06	3.44E-06	1.57E-06	1.57E-06	0.00E+00	0.00E+00	6.85E-07	1.29E-07	8.18E-07	1.26E-07	1.21E-07	1.88E-06
3795	481363.09	3852377.25	9.26E-03	9.45E-03	9.44E-03	3.21E-06	9.68E-06	5.60E-06	5.72E-06	5.18E-06	2.37E-06	2.36E-06	0.00E+00	0.00E+00	1.03E-06	1.94E-07	1.23E-06	1.90E-07	1.83E-07	2.83E-06
3796	481863.09	3852377.25	2.62E-02	2.67E-02	2.67E-02	9.06E-06	2.74E-05	1.58E-05	1.62E-05	1.47E-05	6.69E-06	6.68E-06	0.00E+00	0.00E+00	2.91E-06	5.49E-07	3.48E-06	5.37E-07	5.17E-07	8.00E-06
3797	482363.09	3852377.25	2.60E-02	2.65E-02	2.65E-02	8.99E-06	2.71E-05	1.57E-05	1.60E-05	1.45E-05	6.63E-06	6.62E-06	0.00E+00	0.00E+00	2.89E-06	5.44E-07	3.45E-06	5.32E-07	5.13E-07	7.93E-06
3798	482863.09	3852377.25	1.23E-02	1.25E-02	1.25E-02	4.25E-06	1.28E-05	7.42E-06	7.58E-06	6.87E-06	3.13E-06	3.13E-06	0.00E+00	0.00E+00	1.37E-06	2.57E-07	1.63E-06	2.52E-07	2.42E-07	3.75E-06
3799	483363.09	3852377.25	7.20E-03	7.35E-03	7.34E-03	2.49E-06	7.52E-06	4.36E-06	4.44E-06	4.03E-06	1.84E-06	1.84E-06	0.00E+00	0.00E+00	8.01E-07	1.51E-07	9.57E-07	1.48E-07	1.42E-07	2.20E-06
3800	483863.09	3852377.25	5.44E-03	5.56E-03	5.55E-03	1.88E-06	5.69E-06	3.29E-06	3.36E-06	3.05E-06	1.39E-06	1.39E-06	0.00E+00	0.00E+00	6.06E-07	1.14E-07	7.24E-07	1.12E-07	1.08E-07	1.66E-06
3801	484363.09	3852377.25	5.16E-03	5.26E-03	5.26E-03	1.78E-06	5.39E-06	3.12E-06	3.18E-06	2.89E-06	1.32E-06	1.32E-06	0.00E+00	0.00E+00	5.74E-07	1.08E-07	6.86E-07	1.06E-07	1.02E-07	1.58E-06

3802	484863.09	3852377.25	4.68E-03	4.78E-03	4.77E-03	1.62E-06	4.89E-06	2.83E-06	2.89E-06	2.62E-06	1.20E-06	1.19E-06	0.00E+00	0.00E+00	5.21E-07	9.81E-08	6.22E-07	9.60E-08	9.24E-08	1.43E-06
3803	485363.09	3852377.25	4.21E-03	4.30E-03	4.29E-03	1.46E-06	4.40E-06	2.55E-06	2.60E-06	2.36E-06	1.08E-06	1.07E-06	0.00E+00	0.00E+00	4.69E-07	8.82E-08	5.60E-07	8.63E-08	8.32E-08	1.29E-06
3804	485863.09	3852377.25	3.55E-03	3.62E-03	3.61E-03	1.23E-06	3.71E-06	2.15E-06	2.19E-06	1.98E-06	9.06E-07	9.05E-07	0.00E+00	0.00E+00	3.95E-07	7.43E-08	4.72E-07	7.27E-08	7.00E-08	1.08E-06
3805	486363.09	3852377.25	2.90E-03	2.96E-03	2.96E-03	1.01E-06	3.04E-06	1.76E-06	1.79E-06	1.63E-06	7.42E-07	7.41E-07	0.00E+00	0.00E+00	3.23E-07	6.09E-08	3.86E-07	5.96E-08	5.74E-08	8.87E-07
3806	486863.09	3852377.25	2.54E-03	2.59E-03	2.59E-03	8.79E-07	2.65E-06	1.54E-06	1.57E-06	1.42E-06	6.48E-07	6.47E-07	0.00E+00	0.00E+00	2.83E-07	5.32E-08	3.38E-07	5.21E-08	5.01E-08	7.75E-07
3807	487363.09	3852377.25	2.18E-03	2.23E-03	2.22E-03	7.55E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.57E-07	5.56E-07	0.00E+00	0.00E+00	2.43E-07	4.57E-08	2.90E-07	4.47E-08	4.31E-08	6.66E-07
3808	487863.09	3852377.25	1.88E-03	1.92E-03	1.92E-03	6.51E-07	1.97E-06	1.14E-06	1.16E-06	1.05E-06	4.80E-07	4.80E-07	0.00E+00	0.00E+00	2.09E-07	3.94E-08	2.50E-07	3.86E-08	3.71E-08	5.75E-07
3809	488363.09	3852377.25	1.63E-03	1.66E-03	1.66E-03	5.63E-07	1.70E-06	9.83E-07	1.00E-06	9.10E-07	4.15E-07	4.15E-07	0.00E+00	0.00E+00	1.81E-07	3.41E-08	2.16E-07	3.33E-08	3.21E-08	4.97E-07
3810	488863.09	3852377.25	1.39E-03	1.42E-03	1.42E-03	4.82E-07	1.45E-06	8.42E-07	8.59E-07	7.79E-07	3.55E-07	3.55E-07	0.00E+00	0.00E+00	1.55E-07	2.92E-08	1.85E-07	2.85E-08	2.75E-08	4.25E-07
3811	489363.09	3852377.25	1.22E-03	1.25E-03	1.25E-03	4.23E-07	1.28E-06	7.40E-07	7.55E-07	6.84E-07	3.12E-07	3.12E-07	0.00E+00	0.00E+00	1.36E-07	2.56E-08	1.63E-07	2.51E-08	2.41E-08	3.73E-07
3812	489863.09	3852377.25	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.29E-07	6.41E-07	5.82E-07	2.65E-07	2.65E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.38E-07	2.13E-08	2.05E-08	3.17E-07
3813	490363.09	3852377.25	1.05E-03	1.07E-03	1.07E-03	3.62E-07	1.09E-06	6.33E-07	6.46E-07	5.86E-07	2.67E-07	2.67E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.15E-08	2.07E-08	3.20E-07
3814	490863.09	3852377.25	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.24E-07	6.37E-07	5.77E-07	2.63E-07	2.63E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.11E-08	2.04E-08	3.15E-07
3815	491363.09	3852377.25	1.10E-03	1.12E-03	1.12E-03	3.79E-07	1.15E-06	6.63E-07	6.77E-07	6.14E-07	2.80E-07	2.80E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.17E-08	3.35E-07
3816	491863.09	3852377.25	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.30E-07	6.43E-07	5.83E-07	2.66E-07	2.66E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.38E-07	2.13E-08	2.06E-08	3.18E-07
3817	492363.09	3852377.25	9.83E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.95E-07	6.07E-07	5.50E-07	2.51E-07	2.51E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.02E-08	1.94E-08	3.00E-07
3818	492863.09	3852377.25	9.67E-04	9.87E-04	9.85E-04	3.35E-07	1.01E-06	5.85E-07	5.97E-07	5.41E-07	2.47E-07	2.47E-07	0.00E+00	0.00E+00	1.08E-07	2.03E-08	1.29E-07	1.98E-08	1.91E-08	2.95E-07
3819	493363.09	3852377.25	9.81E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.94E-07	6.06E-07	5.49E-07	2.51E-07	2.50E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.30E-07	2.01E-08	1.94E-08	3.00E-07
3820	493863.09	3852377.25	9.20E-04	9.39E-04	9.38E-04	3.19E-07	9.62E-07	5.57E-07	5.68E-07	5.15E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.22E-07	1.89E-08	1.82E-08	2.81E-07
3821	494363.09	3852377.25	8.65E-04	8.82E-04	8.81E-04	2.99E-07	9.04E-07	5.23E-07	5.34E-07	4.84E-07	2.21E-07	2.21E-07	0.00E+00	0.00E+00	9.63E-08	1.81E-08	1.15E-07	1.77E-08	1.71E-08	2.64E-07
3822	494863.09	3852377.25	8.55E-04	8.72E-04	8.71E-04	2.96E-07	8.93E-07	5.17E-07	5.28E-07	4.78E-07	2.18E-07	2.18E-07	0.00E+00	0.00E+00	9.51E-08	1.79E-08	1.14E-07	1.75E-08	1.69E-08	2.61E-07
3823	495363.09	3852377.25	8.44E-04	8.61E-04	8.60E-04	2.92E-07	8.82E-07	5.11E-07	5.21E-07	4.72E-07	2.16E-07	2.15E-07	0.00E+00	0.00E+00	9.40E-08	1.77E-08	1.12E-07	1.73E-08	1.67E-08	2.58E-07
3824	495863.09	3852377.25	7.88E-04	8.04E-04	8.03E-04	2.73E-07	8.24E-07	4.77E-07	4.86E-07	4.41E-07	2.01E-07	2.01E-07	0.00E+00	0.00E+00	8.77E-08	1.65E-08	1.05E-07	1.62E-08	1.56E-08	2.41E-07
3825	496363.09	3852377.25	7.33E-04	7.48E-04	7.47E-04	2.54E-07	7.66E-07	4.44E-07	4.53E-07	4.10E-07	1.87E-07	1.87E-07	0.00E+00	0.00E+00	8.16E-08	1.54E-08	9.75E-08	1.50E-08	1.45E-08	2.24E-07
3826	496863.09	3852377.25	6.91E-04	7.05E-04	7.05E-04	2.39E-07	7.23E-07	4.18E-07	4.27E-07	3.87E-07	1.77E-07	1.76E-07	0.00E+00	0.00E+00	7.69E-08	1.45E-08	9.19E-08	1.42E-08	1.37E-08	2.11E-07
3827	497363.09	3852377.25	6.20E-04	6.33E-04	6.32E-04	2.15E-07	6.48E-07	3.75E-07	3.83E-07	3.47E-07	1.58E-07	1.58E-07	0.00E+00	0.00E+00	6.90E-08	1.30E-08	8.24E-08	1.27E-08	1.22E-08	1.89E-07
3828	497863.09	3852377.25	5.50E-04	5.61E-04	5.60E-04	1.90E-07	5.74E-07	3.33E-07	3.39E-07	3.08E-07	1.40E-07	1.40E-07	0.00E+00	0.00E+00	6.12E-08	1.15E-08	7.31E-08	1.13E-08	1.09E-08	1.68E-07
3829	498363.09	3852377.25	4.86E-04	4.96E-04	4.96E-04	1.68E-07	5.08E-07	2.94E-07	3.00E-07	2.72E-07	1.24E-07	1.24E-07	0.00E+00	0.00E+00	5.41E-08	1.02E-08	6.47E-08	9.97E-09	9.60E-09	1.49E-07
3830	471363.09	3852877.25	4.14E-04	4.23E-04	4.22E-04	1.43E-07	4.33E-07	2.51E-07	2.56E-07	2.32E-07	1.06E-07	1.06E-07	0.00E+00	0.00E+00	4.61E-08	8.68E-09	5.51E-08	8.50E-09	8.18E-09	1.27E-07
3831	471863.09	3852877.25	4.81E-04	4.91E-04	4.90E-04	1.67E-07	5.03E-07	2.91E-07	2.97E-07	2.69E-07	1.23E-07	1.23E-07	0.00E+00	0.00E+00	5.36E-08	1.01E-08	6.40E-08	9.87E-09	9.50E-09	1.47E-07
3832	472363.09	3852877.25	5.49E-04	5.60E-04	5.60E-04	1.90E-07	5.74E-07	3.32E-07	3.39E-07	3.07E-07	1.40E-07	1.40E-07	0.00E+00	0.00E+00	6.11E-08	1.15E-08	7.30E-08	1.13E-08	1.08E-08	1.68E-07
3833	472863.09	3852877.25	6.16E-04	6.28E-04	6.28E-04	2.13E-07	6.44E-07	3.73E-07	3.80E-07	3.45E-07	1.57E-07	1.57E-07	0.00E+00	0.00E+00	6.86E-08	1.29E-08	8.19E-08	1.26E-08	1.22E-08	1.88E-07
3834	473363.09	3852877.25	6.86E-04	7.00E-04	6.99E-04	2.37E-07	7.17E-07	4.15E-07	4.24E-07	3.84E-07	1.75E-07	1.75E-07	0.00E+00	0.00E+00	7.64E-08	1.44E-08	9.12E-08	1.41E-08	1.35E-08	2.10E-07
3835	473863.09	3852877.25	7.76E-04	7.92E-04	7.91E-04	2.69E-07	8.11E-07	4.70E-07	4.79E-07	4.34E-07	1.98E-07	1.98E-07	0.00E+00	0.00E+00	8.64E-08	1.63E-08	1.03E-07	1.59E-08	1.53E-08	2.37E-07
3836	474363.09	3852877.25	8.70E-04	8.88E-04	8.87E-04	3.01E-07	9.09E-07	5.26E-07	5.37E-07	4.87E-07	2.22E-07	2.22E-07	0.00E+00	0.00E+00	9.68E-08	1.82E-08	1.16E-07	1.78E-08	1.72E-08	2.66E-07
3837	474863.09	3852877.25	8.17E-04	8.34E-04	8.33E-04	2.83E-07	8.54E-07	4.95E-07	5.05E-07	4.57E-07	2.09E-07	2.09E-07	0.00E+00	0.00E+00	9.10E-08	1.71E-08	1.09E-07	1.68E-08	1.61E-08	2.50E-07
3838	475363.09	3852877.25	9.48E-04	9.68E-04	9.66E-04	3.28E-07	9.91E-07	5.74E-07	5.85E-07	5.31E-07	2.42E-07	2.42E-07	0.00E+00	0.00E+00	1.06E-07	1.99E-08	1.26E-07	1.94E-08	1.87E-08	2.90E-07
3839	475863.09	3852877.25	1.01E-03	1.03E-03	1.03E-03	3.50E-07	1.06E-06	6.13E-07	6.25E-07	5.67E-07	2.59E-07	2.58E-07	0.00E+00	0.00E+00	1.13E-07	2.12E-08	1.35E-07	2.08E-08	2.00E-08	3.09E-07
3840	476363.09	3852877.25	9.52E-04	9.71E-04	9.70E-04	3.29E-07	9.95E-07	5.76E-07	5.88E-07	5.33E-07	2.43E-07	2.43E-07	0.00E+00	0.00E+00	1.06E-07	1.99E-08	1.27E-07	1.95E-08	1.88E-08	2.91E-07
3841	476863.09	3852877.25	7.98E-04	8.15E-04	8.14E-04	2.76E-07	8.34E-07	4.83E-07	4.93E-07	4.47E-07	2.04E-07	2.04E-07	0.00E+00	0.00E+00	8.89E-08	1.67E-08	1.06E-07	1.64E-08	1.58E-08	2.44E-07
3842	477363.09	3852877.25	7.03E-04	7.17E-04	7.16E-04	2.43E-07	7.35E-07	4.25E-07	4.34E-07	3.93E-07	1.79E-07	1.79E-07	0.00E+00	0.00E+00	7.82E-08	1.47E-08	9.35E-08	1.44E-08	1.39E-08	2.15E-07
3843	477863.09	3852877.25	5.94E-04	6.06E-04	6.05E-04	2.06E-07	6.21E-07	3.59E-07	3.67E-07	3.32E-07	1.52E-07	1.51E-07	0.00E+00	0.00E+00	6.61E-08	1.24E-08	7.90E-08	1.22E-08	1.17E-08	1.81E-07
3844	478363.09	3852877.25	4.22E-04	4.31E-04	4.30E-04	1.46E-07	4.41E-07	2.55E-07	2.61E-07	2.36E-07	1.08E-07	1.08E-07	0.00E+00	0.00E+00	4.70E-08	8.85E-09	5.62E-08	8.66E-09	8.34E-09	1.29E-07
3845	478863.09	3852877.25	5.77E-04	5.89E-04	5.88E-04	2.00E-07	6.03E-07	3.49E-07	3.56E-07	3.23E-07	1.47E-07	1.47E-07	0.00E+00	0.00E+00	6.42E-08	1.21E-08	7.67E-08	1.18E-08	1.14E-08	1.76E-07
3846	479363.09	3852877.25	9.63E-04	9.83E-04	9.81E-04	3.33E-07	1.01E-06	5.83E-07	5.95E-07	5.39E-07	2.46E-07	2.46E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.97E-08	1.90E-08	2.94E-07
3847	479863.09	3852877.25	2.02E-03	2.06E-03	2.06E-03	6.99E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	5.15E-07	0.00E+00	0.00E+00	2.25E-07	4.23E-08	2.69E-07	4.14E-08	3.99E-08	6.17E-07
3848	480363.09	3852877.25	3.35E-03	3.41E-03	3.41E-03	1.16E-06	3.50E-06	2.02E-06	2.07E-06	1.87E-06	8.54E-07	8.53E-07	0.00E+00	0.00E+00	3.72E-07	7.01E-08	4.45E-07	6.86E-08	6.61E-08	1.02E-06
3849	480863.09	3852877.25	4.18E-03	4.27E-03	4.26E-03	1.45E-06	4.37E-06	2.53E-06	2.58E-06	2.34E-06	1.07E-06	1.07E-06	0.00E+00	0.00E+00	4.65E-07	8.76E-08	5.56E-07	8.57E-08	8.26E-08	1.28E-06
3850	481363.09	3852877.25	5.53E-03	5.64E-03	5.64E-03	1.91E-06	5.78E-06	3.35E-06	3.41E-06	3.09E-06	1.41E-06	1.41E-06	0.00E+00	0.00E+00	6.15E-07	1.16E-07	7.35E-07	1.13E-07	1.09E-07	1.69E-06
3851	481863.09	3852877.25	8.70E-03	8.88E-03	8.87E-03	3.01E-06	9.10E-06	5.27E-06	5.37E-06	4.87E-06	2.22E-06	2.22E-06	0.00E+00	0.00E+00	9.69E-07	1.82E-07	1.16E-06	1.78E-07	1.72E-07	2.66E-06
3852	482363.09	3852877.25	2.89E-02	2.95E-02	2.94E-02	1.00E-05	3.02E-05	1.75E-05	1.78E-05	1.62E-05	7.38E-06	7.37E-06	0.00E+00	0.00E+00	3.22E-06	6.05E-07	3.84E-06	5.92E-07	5.70E-07	8.82E-06
3853	482863.09	3852877.25	2.41E-02	2.46E-02	2.45E-02	8.33E-06	2.52E-05	1.46E-05	1.49E-05	1.35E-05	6.15E-06	6.14E-06	0.00E+00	0.00E+00	2.68E-06	5.05E-07	3.20E-06	4.94E-07	4.76E-07	7.36E-06
3854	483363.09	3852877.25	1.09E-02	1.11E-02	1.11E-02	3.78E-06	1.14E-05	6.60E-06	6.73E-06	6.10E-06	2.79E-06	2.78E-06	0.00E+00	0.00E+00	1.21E-06	2.29E-07	1.45E-06	2.24E-07	2.15E-07	3.33E-06
3855	483863.09	3852877.25	6.26E-03	6.39E-03	6.38E-03	2.17E-06	6.54E-06	3.79E-06	3.86E-06	3.50E-06	1.60E-06	1.60E-06	0.00E+00	0.00E+00	6.97E-07	1.31E-07	8.32E-07	1.28E-07	1.24E-07	1.91E-06
3856	484363.09	3852877.25	5.64E-03	5.76E-03	5.75E-03	1.95E-06	5.90E-06	3.42E-06	3.48E-06	3.16E-06	1.44E-06	1.44E-06	0.00E+00	0.00E+00	6.28E-07	1.18E-07	7.51E-07	1.16E-07	1.11E-07	1.72E-06
3857	484863.09	3852877.25	4.87E-03	4.97E-03	4.96E-03	1.69E-06	5.09E-06	2.95E-06	3.01E-06	2.73E-06	1.24E-06	1.24E-06	0.00E+00	0.00E+00	5.42E-07	1.02E-07	6.48E-07	9.99E-08	9.62E-08	1.49E-06

3858	485363.09	3852877.25	3.51E-03	3.58E-03	3.57E-03	1.21E-06	3.66E-06	2.12E-06	2.16E-06	1.96E-06	8.95E-07	8.94E-07	0.00E+00	0.00E+00	3.90E-07	7.35E-08	4.66E-07	7.19E-08	6.92E-08	1.07E-06
3859	485863.09	3852877.25	2.90E-03	2.96E-03	2.96E-03	1.00E-06	3.03E-06	1.76E-06	1.79E-06	1.62E-06	7.41E-07	7.41E-07	0.00E+00	0.00E+00	3.23E-07	6.08E-08	3.86E-07	5.95E-08	5.73E-08	8.87E-07
3860	486363.09	3852877.25	2.41E-03	2.46E-03	2.45E-03	8.33E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.15E-07	6.14E-07	0.00E+00	0.00E+00	2.68E-07	5.05E-08	3.20E-07	4.94E-08	4.76E-08	7.36E-07
3861	486863.09	3852877.25	2.12E-03	2.17E-03	2.16E-03	7.35E-07	2.22E-06	1.29E-06	1.31E-06	1.19E-06	5.42E-07	5.42E-07	0.00E+00	0.00E+00	2.36E-07	4.45E-08	2.82E-07	4.36E-08	4.20E-08	6.49E-07
3862	487363.09	3852877.25	1.82E-03	1.86E-03	1.85E-03	6.29E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.64E-07	4.64E-07	0.00E+00	0.00E+00	2.02E-07	3.81E-08	2.42E-07	3.73E-08	3.59E-08	5.55E-07
3863	487863.09	3852877.25	1.59E-03	1.63E-03	1.62E-03	5.51E-07	1.66E-06	9.64E-07	9.84E-07	8.92E-07	4.07E-07	4.06E-07	0.00E+00	0.00E+00	1.77E-07	3.34E-08	2.12E-07	3.27E-08	3.15E-08	4.87E-07
3864	488363.09	3852877.25	1.12E-03	1.15E-03	1.14E-03	3.89E-07	1.17E-06	6.80E-07	6.94E-07	6.29E-07	2.87E-07	2.87E-07	0.00E+00	0.00E+00	1.25E-07	2.35E-08	1.49E-07	2.30E-08	2.22E-08	3.43E-07
3865	488863.09	3852877.25	1.12E-03	1.14E-03	1.14E-03	3.86E-07	1.17E-06	6.75E-07	6.89E-07	6.25E-07	2.85E-07	2.85E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.48E-07	2.29E-08	2.20E-08	3.41E-07
3866	489363.09	3852877.25	1.05E-03	1.08E-03	1.07E-03	3.65E-07	1.10E-06	6.38E-07	6.51E-07	5.90E-07	2.69E-07	2.69E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	2.08E-08	3.22E-07
3867	489863.09	3852877.25	9.95E-04	1.02E-03	1.01E-03	3.45E-07	1.04E-06	6.02E-07	6.15E-07	5.57E-07	2.54E-07	2.54E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.32E-07	2.04E-08	1.97E-08	3.04E-07
3868	490363.09	3852877.25	1.14E-03	1.16E-03	1.16E-03	3.95E-07	1.19E-06	6.91E-07	7.05E-07	6.39E-07	2.91E-07	2.91E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.52E-07	2.34E-08	2.25E-08	3.49E-07
3869	490863.09	3852877.25	1.14E-03	1.16E-03	1.16E-03	3.95E-07	1.19E-06	6.90E-07	7.04E-07	6.38E-07	2.91E-07	2.91E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.52E-07	2.34E-08	2.25E-08	3.48E-07
3870	491363.09	3852877.25	1.13E-03	1.15E-03	1.15E-03	3.90E-07	1.18E-06	6.82E-07	6.96E-07	6.31E-07	2.88E-07	2.88E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.50E-07	2.31E-08	2.23E-08	3.44E-07
3871	491863.09	3852877.25	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.13E-06	6.52E-07	6.65E-07	6.03E-07	2.75E-07	2.75E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.43E-07	2.21E-08	2.13E-08	3.29E-07
3872	492363.09	3852877.25	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.29E-07	6.42E-07	5.82E-07	2.66E-07	2.65E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.38E-07	2.13E-08	2.05E-08	3.18E-07
3873	492863.09	3852877.25	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.08E-06	6.27E-07	6.40E-07	5.80E-07	2.65E-07	2.64E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.13E-08	2.05E-08	3.17E-07
3874	493363.09	3852877.25	1.01E-03	1.03E-03	1.03E-03	3.50E-07	1.06E-06	6.12E-07	6.25E-07	5.66E-07	2.58E-07	2.58E-07	0.00E+00	0.00E+00	1.13E-07	2.12E-08	1.35E-07	2.08E-08	2.00E-08	3.09E-07
3875	493863.09	3852877.25	9.56E-04	9.76E-04	9.75E-04	3.31E-07	9.99E-07	5.79E-07	5.90E-07	5.35E-07	2.44E-07	2.44E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.89E-08	2.92E-07
3876	494363.09	3852877.25	9.11E-04	9.29E-04	9.28E-04	3.15E-07	9.52E-07	5.51E-07	5.62E-07	5.10E-07	2.33E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
3877	494863.09	3852877.25	8.79E-04	8.97E-04	8.96E-04	3.04E-07	9.19E-07	5.32E-07	5.43E-07	4.92E-07	2.25E-07	2.24E-07	0.00E+00	0.00E+00	9.79E-08	1.84E-08	1.17E-07	1.80E-08	1.74E-08	2.69E-07
3878	495363.09	3852877.25	8.17E-04	8.33E-04	8.33E-04	2.83E-07	8.54E-07	4.94E-07	5.04E-07	4.57E-07	2.09E-07	2.08E-07	0.00E+00	0.00E+00	9.09E-08	1.71E-08	1.09E-07	1.68E-08	1.61E-08	2.50E-07
3879	495863.09	3852877.25	7.59E-04	7.74E-04	7.73E-04	2.63E-07	7.93E-07	4.59E-07	4.68E-07	4.25E-07	1.94E-07	1.94E-07	0.00E+00	0.00E+00	8.45E-08	1.59E-08	1.01E-07	1.56E-08	1.50E-08	2.32E-07
3880	496363.09	3852877.25	7.25E-04	7.40E-04	7.39E-04	2.51E-07	7.58E-07	4.39E-07	4.48E-07	4.06E-07	1.85E-07	1.85E-07	0.00E+00	0.00E+00	8.07E-08	1.52E-08	9.64E-08	1.49E-08	1.43E-08	2.22E-07
3881	496863.09	3852877.25	6.81E-04	6.95E-04	6.94E-04	2.36E-07	7.12E-07	4.12E-07	4.20E-07	3.81E-07	1.74E-07	1.74E-07	0.00E+00	0.00E+00	7.58E-08	1.43E-08	9.06E-08	1.40E-08	1.35E-08	2.08E-07
3882	497363.09	3852877.25	5.89E-04	6.01E-04	6.00E-04	2.04E-07	6.16E-07	3.56E-07	3.64E-07	3.30E-07	1.50E-07	1.50E-07	0.00E+00	0.00E+00	6.56E-08	1.23E-08	7.83E-08	1.21E-08	1.16E-08	1.80E-07
3883	497863.09	3852877.25	4.47E-04	4.56E-04	4.55E-04	1.55E-07	4.67E-07	2.70E-07	2.76E-07	2.50E-07	1.14E-07	1.14E-07	0.00E+00	0.00E+00	4.97E-08	9.36E-09	5.94E-08	9.16E-09	8.82E-09	1.36E-07
3884	498363.09	3852877.25	4.13E-04	4.21E-04	4.21E-04	1.43E-07	4.31E-07	2.50E-07	2.55E-07	2.31E-07	1.05E-07	1.05E-07	0.00E+00	0.00E+00	4.60E-08	8.65E-09	5.49E-08	8.47E-09	8.15E-09	1.26E-07
3885	471363.09	3853377.25	4.13E-04	4.22E-04	4.21E-04	1.43E-07	4.32E-07	2.50E-07	2.55E-07	2.31E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.60E-08	8.66E-09	5.50E-08	8.48E-09	8.17E-09	1.26E-07
3886	471863.09	3853377.25	4.64E-04	4.73E-04	4.73E-04	1.61E-07	4.85E-07	2.81E-07	2.86E-07	2.60E-07	1.18E-07	1.18E-07	0.00E+00	0.00E+00	5.16E-08	9.72E-09	6.17E-08	9.51E-09	9.16E-09	1.42E-07
3887	472363.09	3853377.25	5.14E-04	5.24E-04	5.23E-04	1.78E-07	5.37E-07	3.11E-07	3.17E-07	2.87E-07	1.31E-07	1.31E-07	0.00E+00	0.00E+00	5.72E-08	1.08E-08	6.83E-08	1.05E-08	1.01E-08	1.57E-07
3888	472863.09	3853377.25	5.70E-04	5.81E-04	5.81E-04	1.97E-07	5.95E-07	3.45E-07	3.52E-07	3.19E-07	1.45E-07	1.45E-07	0.00E+00	0.00E+00	6.34E-08	1.19E-08	7.57E-08	1.17E-08	1.13E-08	1.74E-07
3889	473363.09	3853377.25	6.09E-04	6.22E-04	6.21E-04	2.11E-07	6.37E-07	3.69E-07	3.76E-07	3.41E-07	1.56E-07	1.55E-07	0.00E+00	0.00E+00	6.78E-08	1.28E-08	8.10E-08	1.25E-08	1.20E-08	1.86E-07
3890	473863.09	3853377.25	6.56E-04	6.69E-04	6.68E-04	2.27E-07	6.85E-07	3.97E-07	4.05E-07	3.67E-07	1.67E-07	1.67E-07	0.00E+00	0.00E+00	7.30E-08	1.37E-08	8.72E-08	1.34E-08	1.29E-08	2.00E-07
3891	474363.09	3853377.25	6.94E-04	7.08E-04	7.07E-04	2.40E-07	7.25E-07	4.20E-07	4.28E-07	3.88E-07	1.77E-07	1.77E-07	0.00E+00	0.00E+00	7.72E-08	1.45E-08	9.23E-08	1.42E-08	1.37E-08	2.12E-07
3892	474863.09	3853377.25	6.76E-04	6.90E-04	6.89E-04	2.34E-07	7.07E-07	4.09E-07	4.18E-07	3.78E-07	1.73E-07	1.73E-07	0.00E+00	0.00E+00	7.53E-08	1.42E-08	8.99E-08	1.39E-08	1.34E-08	2.07E-07
3893	475363.09	3853377.25	6.80E-04	6.94E-04	6.93E-04	2.35E-07	7.11E-07	4.11E-07	4.20E-07	3.81E-07	1.74E-07	1.73E-07	0.00E+00	0.00E+00	7.57E-08	1.43E-08	9.04E-08	1.39E-08	1.34E-08	2.08E-07
3894	475863.09	3853377.25	6.81E-04	6.95E-04	6.94E-04	2.36E-07	7.11E-07	4.12E-07	4.20E-07	3.81E-07	1.74E-07	1.74E-07	0.00E+00	0.00E+00	7.58E-08	1.43E-08	9.05E-08	1.40E-08	1.34E-08	2.08E-07
3895	476363.09	3853377.25	6.06E-04	6.19E-04	6.18E-04	2.10E-07	6.34E-07	3.67E-07	3.74E-07	3.39E-07	1.55E-07	1.55E-07	0.00E+00	0.00E+00	6.75E-08	1.27E-08	8.06E-08	1.24E-08	1.20E-08	1.85E-07
3896	476863.09	3853377.25	4.66E-04	4.75E-04	4.75E-04	1.61E-07	4.87E-07	2.82E-07	2.88E-07	2.61E-07	1.19E-07	1.19E-07	0.00E+00	0.00E+00	5.19E-08	9.76E-09	6.20E-08	9.55E-09	9.20E-09	1.42E-07
3897	477363.09	3853377.25	4.49E-04	4.58E-04	4.58E-04	1.55E-07	4.69E-07	2.72E-07	2.77E-07	2.51E-07	1.15E-07	1.15E-07	0.00E+00	0.00E+00	5.00E-08	9.41E-09	5.97E-08	9.21E-09	8.87E-09	1.37E-07
3898	477863.09	3853377.25	4.66E-04	4.75E-04	4.75E-04	1.61E-07	4.87E-07	2.82E-07	2.87E-07	2.61E-07	1.19E-07	1.19E-07	0.00E+00	0.00E+00	5.18E-08	9.76E-09	6.19E-08	9.55E-09	9.20E-09	1.42E-07
3899	478363.09	3853377.25	3.66E-04	3.74E-04	3.73E-04	1.27E-07	3.83E-07	2.22E-07	2.26E-07	2.05E-07	9.35E-08	9.34E-08	0.00E+00	0.00E+00	4.08E-08	7.68E-09	4.87E-08	7.51E-09	7.23E-09	1.12E-07
3900	478863.09	3853377.25	2.44E-04	2.49E-04	2.48E-04	8.44E-08	2.55E-07	1.47E-07	1.50E-07	1.36E-07	6.22E-08	6.22E-08	0.00E+00	0.00E+00	2.71E-08	5.11E-09	3.24E-08	5.00E-09	4.81E-09	7.44E-08
3901	479363.09	3853377.25	5.45E-04	5.56E-04	5.55E-04	1.89E-07	5.69E-07	3.30E-07	3.36E-07	3.05E-07	1.39E-07	1.39E-07	0.00E+00	0.00E+00	6.06E-08	1.14E-08	7.25E-08	1.12E-08	1.08E-08	1.66E-07
3902	479863.09	3853377.25	9.86E-04	1.01E-03	1.00E-03	3.41E-07	1.03E-06	5.97E-07	6.09E-07	5.52E-07	2.52E-07	2.51E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.31E-07	2.02E-08	1.95E-08	3.01E-07
3903	480363.09	3853377.25	1.92E-03	1.96E-03	1.96E-03	6.65E-07	2.01E-06	1.16E-06	1.19E-06	1.07E-06	4.90E-07	4.90E-07	0.00E+00	0.00E+00	2.14E-07	4.02E-08	2.55E-07	3.94E-08	3.79E-08	5.87E-07
3904	480863.09	3853377.25	1.93E-03	1.97E-03	1.97E-03	6.67E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.92E-07	4.92E-07	0.00E+00	0.00E+00	2.15E-07	4.04E-08	2.56E-07	3.95E-08	3.81E-08	5.89E-07
3905	481363.09	3853377.25	3.19E-03	3.25E-03	3.25E-03	1.10E-06	3.33E-06	1.93E-06	1.97E-06	1.78E-06	8.14E-07	8.13E-07	0.00E+00	0.00E+00	3.55E-07	6.68E-08	4.24E-07	6.54E-08	6.30E-08	9.74E-07
3906	481863.09	3853377.25	4.84E-03	4.94E-03	4.94E-03	1.68E-06	5.06E-06	2.93E-06	2.99E-06	2.71E-06	1.24E-06	1.24E-06	0.00E+00	0.00E+00	5.39E-07	1.02E-07	6.44E-07	9.93E-08	9.57E-08	1.48E-06
3907	482363.09	3853377.25	7.97E-03	8.13E-03	8.12E-03	2.76E-06	8.33E-06	4.82E-06	4.92E-06	4.46E-06	2.03E-06	2.03E-06	0.00E+00	0.00E+00	8.87E-07	1.67E-07	1.06E-06	1.63E-07	1.57E-07	2.43E-06
3908	482863.09	3853377.25	5.63E-02	5.74E-02	5.74E-02	1.95E-05	5.88E-05	3.41E-05	3.47E-05	3.15E-05	1.44E-05	1.44E-05	0.00E+00	0.00E+00	6.26E-06	1.18E-06	7.48E-06	1.15E-06	1.11E-06	1.72E-05
3909	483363.09	3853377.25	1.08E-02	1.10E-02	1.10E-02	3.74E-06	1.13E-05	6.53E-06	6.67E-06	6.04E-06	2.76E-06	2.75E-06	0.00E+00	0.00E+00	1.20E-06	2.26E-07	1.44E-06	2.21E-07	2.13E-07	3.30E-06
3910	483863.09	3853377.25	6.37E-03	6.50E-03	6.49E-03	2.21E-06	6.66E-06	3.85E-06	3.93E-06	3.57E-06	1.63E-06	1.63E-06	0.00E+00	0.00E+00	7.09E-07	1.34E-07	8.47E-07	1.31E-07	1.26E-07	1.95E-06
3911	484363.09	3853377.25	5.10E-03	5.20E-03	5.19E-03	1.76E-06	5.33E-06	3.08E-06	3.15E-06	2.85E-06	1.30E-06	1.30E-06	0.00E+00	0.00E+00	5.67E-07	1.07E-07	6.78E-07	1.04E-07	1.01E-07	1.56E-06
3912	484863.09	3853377.25	3.73E-03	3.80E-03	3.80E-03	1.29E-06	3.90E-06	2.26E-06	2.30E-06	2.09E-06	9.52E-07	9.51E-07	0.00E+00	0.00E+00	4.15E-07	7.81E-08	4.96E-07	7.64E-08	7.36E-08	1.14E-06
3913	485363.09	3853377.25	2.59E-03	2.64E-03	2.63E-03	8.95E-07	2.70E-06	1.56E-06	1.60E-06	1.45E-06	6.60E-07	6.59E-07	0.00E+00	0.00E+00	2.88E-07	5.42E-08	3.44E-07	5.30E-08	5.11E-08	7.90E-07

3914	485863.09	3853377.25	1.92E-03	1.96E-03	1.95E-03	6.63E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.89E-07	4.89E-07	0.00E+00	0.00E+00	2.13E-07	4.02E-08	2.55E-07	3.93E-08	3.79E-08	5.86E-07
3915	486363.09	3853377.25	1.80E-03	1.84E-03	1.84E-03	6.24E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.60E-07	4.60E-07	0.00E+00	0.00E+00	2.01E-07	3.78E-08	2.40E-07	3.70E-08	3.56E-08	5.51E-07
3916	486863.09	3853377.25	1.66E-03	1.70E-03	1.70E-03	5.76E-07	1.74E-06	1.01E-06	1.03E-06	9.31E-07	4.25E-07	4.24E-07	0.00E+00	0.00E+00	1.85E-07	3.49E-08	2.21E-07	3.41E-08	3.29E-08	5.08E-07
3917	487363.09	3853377.25	1.61E-03	1.64E-03	1.64E-03	5.56E-07	1.68E-06	9.72E-07	9.92E-07	8.99E-07	4.10E-07	4.10E-07	0.00E+00	0.00E+00	1.79E-07	3.37E-08	2.14E-07	3.29E-08	3.17E-08	4.91E-07
3918	487863.09	3853377.25	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.22E-07	9.41E-07	8.53E-07	3.89E-07	3.89E-07	0.00E+00	0.00E+00	1.70E-07	3.19E-08	2.03E-07	3.12E-08	3.01E-08	4.66E-07
3919	488363.09	3853377.25	1.47E-03	1.50E-03	1.50E-03	5.10E-07	1.54E-06	8.92E-07	9.10E-07	8.25E-07	3.76E-07	3.76E-07	0.00E+00	0.00E+00	1.64E-07	3.09E-08	1.96E-07	3.02E-08	2.91E-08	4.50E-07
3920	488863.09	3853377.25	1.38E-03	1.41E-03	1.41E-03	4.79E-07	1.45E-06	8.37E-07	8.54E-07	7.74E-07	3.53E-07	3.53E-07	0.00E+00	0.00E+00	1.54E-07	2.90E-08	1.84E-07	2.84E-08	2.73E-08	4.22E-07
3921	489363.09	3853377.25	1.30E-03	1.32E-03	1.32E-03	4.49E-07	1.35E-06	7.84E-07	8.00E-07	7.25E-07	3.31E-07	3.30E-07	0.00E+00	0.00E+00	1.44E-07	2.72E-08	1.72E-07	2.66E-08	2.56E-08	3.96E-07
3922	489863.09	3853377.25	1.19E-03	1.22E-03	1.22E-03	4.13E-07	1.25E-06	7.22E-07	7.36E-07	6.68E-07	3.05E-07	3.04E-07	0.00E+00	0.00E+00	1.33E-07	2.50E-08	1.59E-07	2.45E-08	2.36E-08	3.64E-07
3923	490363.09	3853377.25	1.17E-03	1.20E-03	1.20E-03	4.06E-07	1.23E-06	7.10E-07	7.25E-07	6.57E-07	3.00E-07	3.00E-07	0.00E+00	0.00E+00	1.31E-07	2.46E-08	1.56E-07	2.41E-08	2.32E-08	3.59E-07
3924	490863.09	3853377.25	1.14E-03	1.17E-03	1.17E-03	3.96E-07	1.20E-06	6.92E-07	7.06E-07	6.40E-07	2.92E-07	2.92E-07	0.00E+00	0.00E+00	1.27E-07	2.40E-08	1.52E-07	2.35E-08	2.26E-08	3.49E-07
3925	491363.09	3853377.25	1.11E-03	1.13E-03	1.13E-03	3.85E-07	1.16E-06	6.73E-07	6.86E-07	6.22E-07	2.84E-07	2.84E-07	0.00E+00	0.00E+00	1.24E-07	2.33E-08	1.48E-07	2.28E-08	2.20E-08	3.40E-07
3926	491863.09	3853377.25	1.08E-03	1.10E-03	1.10E-03	3.72E-07	1.12E-06	6.51E-07	6.64E-07	6.02E-07	2.75E-07	2.74E-07	0.00E+00	0.00E+00	1.20E-07	2.25E-08	1.43E-07	2.21E-08	2.12E-08	3.28E-07
3927	492363.09	3853377.25	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.42E-07	6.55E-07	5.94E-07	2.71E-07	2.71E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.18E-08	2.10E-08	3.24E-07
3928	492863.09	3853377.25	1.05E-03	1.07E-03	1.07E-03	3.62E-07	1.09E-06	6.32E-07	6.45E-07	5.85E-07	2.67E-07	2.67E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	2.06E-08	3.19E-07
3929	493363.09	3853377.25	1.01E-03	1.03E-03	1.02E-03	3.48E-07	1.05E-06	6.08E-07	6.21E-07	5.63E-07	2.57E-07	2.56E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.06E-08	1.99E-08	3.07E-07
3930	493863.09	3853377.25	9.64E-04	9.83E-04	9.82E-04	3.34E-07	1.01E-06	5.83E-07	5.95E-07	5.39E-07	2.46E-07	2.46E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.98E-08	1.90E-08	2.94E-07
3931	494363.09	3853377.25	9.06E-04	9.25E-04	9.24E-04	3.14E-07	9.47E-07	5.48E-07	5.60E-07	5.07E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.77E-07
3932	494863.09	3853377.25	8.46E-04	8.63E-04	8.62E-04	2.93E-07	8.84E-07	5.12E-07	5.22E-07	4.73E-07	2.16E-07	2.16E-07	0.00E+00	0.00E+00	9.41E-08	1.77E-08	1.12E-07	1.73E-08	1.67E-08	2.58E-07
3933	495363.09	3853377.25	8.05E-04	8.21E-04	8.20E-04	2.79E-07	8.41E-07	4.87E-07	4.97E-07	4.50E-07	2.06E-07	2.05E-07	0.00E+00	0.00E+00	8.96E-08	1.69E-08	1.07E-07	1.65E-08	1.59E-08	2.46E-07
3934	495863.09	3853377.25	7.55E-04	7.70E-04	7.69E-04	2.61E-07	7.89E-07	4.57E-07	4.66E-07	4.23E-07	1.93E-07	1.93E-07	0.00E+00	0.00E+00	8.40E-08	1.58E-08	1.00E-07	1.55E-08	1.49E-08	2.31E-07
3935	496363.09	3853377.25	6.96E-04	7.10E-04	7.09E-04	2.41E-07	7.27E-07	4.21E-07	4.30E-07	3.89E-07	1.78E-07	1.77E-07	0.00E+00	0.00E+00	7.74E-08	1.46E-08	9.25E-08	1.43E-08	1.37E-08	2.13E-07
3936	496863.09	3853377.25	6.18E-04	6.31E-04	6.30E-04	2.14E-07	6.46E-07	3.74E-07	3.82E-07	3.46E-07	1.58E-07	1.58E-07	0.00E+00	0.00E+00	6.88E-08	1.29E-08	8.22E-08	1.27E-08	1.22E-08	1.89E-07
3937	497363.09	3853377.25	5.21E-04	5.32E-04	5.31E-04	1.80E-07	5.45E-07	3.15E-07	3.22E-07	2.92E-07	1.33E-07	1.33E-07	0.00E+00	0.00E+00	5.80E-08	1.09E-08	6.93E-08	1.07E-08	1.03E-08	1.59E-07
3938	497863.09	3853377.25	3.47E-04	3.55E-04	3.54E-04	1.20E-07	3.63E-07	2.10E-07	2.14E-07	1.94E-07	8.87E-08	8.86E-08	0.00E+00	0.00E+00	3.87E-08	7.28E-09	4.62E-08	7.12E-09	6.86E-09	1.06E-07
3939	498363.09	3853377.25	2.69E-04	2.75E-04	2.74E-04	9.31E-08	2.81E-07	1.63E-07	1.66E-07	1.51E-07	6.87E-08	6.86E-08	0.00E+00	0.00E+00	2.99E-08	5.64E-09	3.58E-08	5.52E-09	5.31E-09	8.22E-08
3940	471363.09	3853877.25	4.03E-04	4.11E-04	4.10E-04	1.39E-07	4.21E-07	2.44E-07	2.49E-07	2.25E-07	1.03E-07	1.03E-07	0.00E+00	0.00E+00	4.48E-08	8.44E-09	5.35E-08	8.25E-09	7.95E-09	1.23E-07
3941	471863.09	3853877.25	4.51E-04	4.60E-04	4.60E-04	1.56E-07	4.72E-07	2.73E-07	2.79E-07	2.52E-07	1.15E-07	1.15E-07	0.00E+00	0.00E+00	5.02E-08	9.45E-09	6.00E-08	9.25E-09	8.91E-09	1.38E-07
3942	472363.09	3853877.25	4.84E-04	4.94E-04	4.93E-04	1.68E-07	5.06E-07	2.93E-07	2.99E-07	2.71E-07	1.24E-07	1.23E-07	0.00E+00	0.00E+00	5.39E-08	1.01E-08	6.44E-08	9.93E-09	9.56E-09	1.48E-07
3943	472863.09	3853877.25	5.28E-04	5.39E-04	5.38E-04	1.83E-07	5.52E-07	3.19E-07	3.26E-07	2.95E-07	1.35E-07	1.35E-07	0.00E+00	0.00E+00	5.87E-08	1.11E-08	7.02E-08	1.08E-08	1.04E-08	1.61E-07
3944	473363.09	3853877.25	5.52E-04	5.64E-04	5.63E-04	1.91E-07	5.77E-07	3.34E-07	3.41E-07	3.09E-07	1.41E-07	1.41E-07	0.00E+00	0.00E+00	6.15E-08	1.16E-08	7.35E-08	1.13E-08	1.09E-08	1.69E-07
3945	473863.09	3853877.25	5.78E-04	5.90E-04	5.90E-04	2.00E-07	6.05E-07	3.50E-07	3.57E-07	3.24E-07	1.48E-07	1.48E-07	0.00E+00	0.00E+00	6.44E-08	1.21E-08	7.69E-08	1.19E-08	1.14E-08	1.77E-07
3946	474363.09	3853877.25	6.10E-04	6.23E-04	6.22E-04	2.11E-07	6.38E-07	3.69E-07	3.77E-07	3.42E-07	1.56E-07	1.56E-07	0.00E+00	0.00E+00	6.79E-08	1.28E-08	8.12E-08	1.25E-08	1.21E-08	1.86E-07
3947	474863.09	3853877.25	6.29E-04	6.42E-04	6.41E-04	2.18E-07	6.58E-07	3.81E-07	3.88E-07	3.52E-07	1.61E-07	1.60E-07	0.00E+00	0.00E+00	7.00E-08	1.32E-08	8.37E-08	1.29E-08	1.24E-08	1.92E-07
3948	475363.09	3853877.25	5.90E-04	6.02E-04	6.02E-04	2.04E-07	6.17E-07	3.57E-07	3.64E-07	3.30E-07	1.51E-07	1.51E-07	0.00E+00	0.00E+00	6.57E-08	1.24E-08	7.85E-08	1.21E-08	1.17E-08	1.80E-07
3949	475863.09	3853877.25	4.73E-04	4.83E-04	4.82E-04	1.64E-07	4.94E-07	2.86E-07	2.92E-07	2.65E-07	1.21E-07	1.21E-07	0.00E+00	0.00E+00	5.26E-08	9.91E-09	6.29E-08	9.70E-09	9.34E-09	1.44E-07
3950	476363.09	3853877.25	3.58E-04	3.65E-04	3.65E-04	1.24E-07	3.74E-07	2.16E-07	2.21E-07	2.00E-07	9.14E-08	9.12E-08	0.00E+00	0.00E+00	3.98E-08	7.50E-09	4.76E-08	7.34E-09	7.07E-09	1.09E-07
3951	476863.09	3853877.25	2.35E-04	2.40E-04	2.40E-04	8.14E-08	2.46E-07	1.42E-07	1.45E-07	1.32E-07	6.01E-08	6.00E-08	0.00E+00	0.00E+00	2.62E-08	4.93E-09	3.13E-08	4.82E-09	4.64E-09	7.18E-08
3952	477363.09	3853877.25	2.61E-04	2.67E-04	2.66E-04	9.05E-08	2.73E-07	1.58E-07	1.61E-07	1.46E-07	6.67E-08	6.67E-08	0.00E+00	0.00E+00	2.91E-08	5.48E-09	3.48E-08	5.36E-09	5.16E-09	7.99E-08
3953	477863.09	3853877.25	3.22E-04	3.29E-04	3.29E-04	1.12E-07	3.37E-07	1.95E-07	1.99E-07	1.80E-07	8.23E-08	8.22E-08	0.00E+00	0.00E+00	3.59E-08	6.76E-09	4.29E-08	6.61E-09	6.37E-09	9.85E-08
3954	478363.09	3853877.25	3.41E-04	3.48E-04	3.47E-04	1.18E-07	3.56E-07	2.06E-07	2.10E-07	1.91E-07	8.70E-08	8.69E-08	0.00E+00	0.00E+00	3.79E-08	7.14E-09	4.53E-08	6.99E-09	6.73E-09	1.04E-07
3955	478863.09	3853877.25	1.94E-04	1.98E-04	1.97E-04	6.70E-08	2.02E-07	1.17E-07	1.20E-07	1.08E-07	4.94E-08	4.94E-08	0.00E+00	0.00E+00	2.15E-08	4.06E-09	2.57E-08	3.97E-09	3.82E-09	5.91E-08
3956	479363.09	3853877.25	3.15E-04	3.22E-04	3.21E-04	1.09E-07	3.30E-07	1.91E-07	1.95E-07	1.76E-07	8.05E-08	8.04E-08	0.00E+00	0.00E+00	3.51E-08	6.61E-09	4.19E-08	6.47E-09	6.23E-09	9.63E-08
3957	479863.09	3853877.25	7.25E-04	7.40E-04	7.39E-04	2.51E-07	7.58E-07	4.39E-07	4.48E-07	4.06E-07	1.85E-07	1.85E-07	0.00E+00	0.00E+00	8.07E-08	1.52E-08	9.64E-08	1.49E-08	1.43E-08	2.21E-07
3958	480363.09	3853877.25	1.10E-03	1.12E-03	1.12E-03	3.81E-07	1.15E-06	6.66E-07	6.80E-07	6.16E-07	2.81E-07	2.81E-07	0.00E+00	0.00E+00	1.23E-07	2.31E-08	1.46E-07	2.26E-08	2.17E-08	3.36E-07
3959	480863.09	3853877.25	1.81E-03	1.85E-03	1.84E-03	6.26E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.62E-07	4.61E-07	0.00E+00	0.00E+00	2.01E-07	3.79E-08	2.41E-07	3.71E-08	3.57E-08	5.53E-07
3960	481363.09	3853877.25	2.34E-03	2.39E-03	2.39E-03	8.12E-07	2.45E-06	1.42E-06	1.45E-06	1.31E-06	5.99E-07	5.98E-07	0.00E+00	0.00E+00	2.61E-07	4.91E-08	3.12E-07	4.81E-08	4.63E-08	7.16E-07
3961	481863.09	3853877.25	2.95E-03	3.01E-03	3.01E-03	1.02E-06	3.09E-06	1.79E-06	1.82E-06	1.65E-06	7.54E-07	7.54E-07	0.00E+00	0.00E+00	3.29E-07	6.19E-08	3.93E-07	6.06E-08	5.84E-08	9.03E-07
3962	482363.09	3853877.25	3.42E-03	3.49E-03	3.48E-03	1.18E-06	3.57E-06	2.07E-06	2.11E-06	1.91E-06	8.73E-07	8.72E-07	0.00E+00	0.00E+00	3.81E-07	7.16E-08	4.55E-07	7.01E-08	6.75E-08	1.04E-06
3963	482863.09	3853877.25	3.59E-03	3.66E-03	3.66E-03	1.24E-06	3.75E-06	2.17E-06	2.22E-06	2.01E-06	9.16E-07	9.15E-07	0.00E+00	0.00E+00	3.99E-07	7.52E-08	4.77E-07	7.36E-08	7.09E-08	1.10E-06
3964	483363.09	3853877.25	3.46E-03	3.53E-03	3.53E-03	1.20E-06	3.62E-06	2.10E-06	2.14E-06	1.94E-06	8.84E-07	8.83E-07	0.00E+00	0.00E+00	3.85E-07	7.26E-08	4.60E-07	7.10E-08	6.84E-08	1.06E-06
3965	483863.09	3853877.25	3.28E-03	3.35E-03	3.35E-03	1.14E-06	3.43E-06	1.99E-06	2.03E-06	1.84E-06	8.39E-07	8.38E-07	0.00E+00	0.00E+00	3.66E-07	6.88E-08	4.37E-07	6.74E-08	6.49E-08	1.00E-06
3966	484363.09	3853877.25	2.77E-03	2.83E-03	2.83E-03	9.60E-07	2.90E-06	1.68E-06	1.71E-06	1.55E-06	7.08E-07	7.07E-07	0.00E+00	0.00E+00	3.09E-07	5.81E-08	3.69E-07	5.69E-08	5.48E-08	8.47E-07
3967	484863.09	3853877.25	2.26E-03	2.30E-03	2.30E-03	7.82E-07	2.36E-06	1.37E-06	1.39E-06	1.26E-06	5.77E-07	5.76E-07	0.00E+00	0.00E+00	2.51E-07	4.73E-08	3.00E-07	4.63E-08	4.46E-08	6.90E-07
3968	485363.09	3853877.25	1.69E-03	1.73E-03	1.73E-03	5.87E-07	1.77E-06	1.03E-06	1.05E-06	9.49E-07	4.33E-07	4.32E-07	0.00E+00	0.00E+00	1.89E-07	3.55E-08	2.25E-07	3.48E-08	3.35E-08	5.18E-07
3969	485863.09	3853877.25	1.72E-03	1.76E-03	1.75E-03	5.96E-07	1.80E-06	1.04E-06	1.06E-06	9.64E-07	4.40E-07	4.39E-07	0.00E+00	0.00E+00	1.92E-07	3.61E-08	2.29E-07	3.53E-08	3.40E-08	5.26E-07

3970	486363.09	3853877.25	1.56E-03	1.59E-03	1.59E-03	5.40E-07	1.63E-06	9.45E-07	9.64E-07	8.74E-07	3.99E-07	3.98E-07	0.00E+00	0.00E+00	1.74E-07	3.27E-08	2.08E-07	3.20E-08	3.08E-08	4.77E-07
3971	486863.09	3853877.25	1.42E-03	1.45E-03	1.45E-03	4.92E-07	1.49E-06	8.60E-07	8.78E-07	7.96E-07	3.63E-07	3.63E-07	0.00E+00	0.00E+00	1.58E-07	2.98E-08	1.89E-07	2.92E-08	2.81E-08	4.34E-07
3972	487363.09	3853877.25	1.40E-03	1.43E-03	1.43E-03	4.84E-07	1.46E-06	8.46E-07	8.63E-07	7.83E-07	3.57E-07	3.57E-07	0.00E+00	0.00E+00	1.56E-07	2.93E-08	1.86E-07	2.87E-08	2.76E-08	4.27E-07
3973	487863.09	3853877.25	1.44E-03	1.47E-03	1.46E-03	4.98E-07	1.50E-06	8.70E-07	8.87E-07	8.04E-07	3.67E-07	3.67E-07	0.00E+00	0.00E+00	1.60E-07	3.01E-08	1.91E-07	2.95E-08	2.84E-08	4.39E-07
3974	488363.09	3853877.25	1.40E-03	1.43E-03	1.43E-03	4.85E-07	1.46E-06	8.47E-07	8.64E-07	7.84E-07	3.58E-07	3.57E-07	0.00E+00	0.00E+00	1.56E-07	2.93E-08	1.86E-07	2.87E-08	2.77E-08	4.28E-07
3975	488863.09	3853877.25	1.39E-03	1.42E-03	1.41E-03	4.80E-07	1.45E-06	8.39E-07	8.57E-07	7.76E-07	3.54E-07	3.54E-07	0.00E+00	0.00E+00	1.54E-07	2.91E-08	1.84E-07	2.84E-08	2.74E-08	4.24E-07
3976	489363.09	3853877.25	1.28E-03	1.31E-03	1.30E-03	4.43E-07	1.34E-06	7.74E-07	7.90E-07	7.16E-07	3.27E-07	3.27E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.53E-08	3.91E-07
3977	489863.09	3853877.25	1.24E-03	1.26E-03	1.26E-03	4.28E-07	1.29E-06	7.48E-07	7.63E-07	6.92E-07	3.16E-07	3.15E-07	0.00E+00	0.00E+00	1.38E-07	2.59E-08	1.64E-07	2.54E-08	2.44E-08	3.78E-07
3978	490363.09	3853877.25	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.08E-07	7.23E-07	6.55E-07	2.99E-07	2.99E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.56E-07	2.40E-08	2.31E-08	3.58E-07
3979	490863.09	3853877.25	1.13E-03	1.15E-03	1.15E-03	3.90E-07	1.18E-06	6.82E-07	6.96E-07	6.30E-07	2.88E-07	2.87E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.50E-07	2.31E-08	2.23E-08	3.44E-07
3980	491363.09	3853877.25	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.59E-07	6.72E-07	6.09E-07	2.78E-07	2.78E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.23E-08	2.15E-08	3.33E-07
3981	491863.09	3853877.25	1.05E-03	1.07E-03	1.07E-03	3.65E-07	1.10E-06	6.37E-07	6.50E-07	5.89E-07	2.69E-07	2.69E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	2.08E-08	3.22E-07
3982	492363.09	3853877.25	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.29E-07	6.42E-07	5.82E-07	2.66E-07	2.65E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.38E-07	2.13E-08	2.05E-08	3.18E-07
3983	492863.09	3853877.25	1.01E-03	1.03E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.26E-07	5.67E-07	2.59E-07	2.59E-07	0.00E+00	0.00E+00	1.13E-07	2.12E-08	1.35E-07	2.08E-08	2.00E-08	3.10E-07
3984	493363.09	3853877.25	9.72E-04	9.92E-04	9.91E-04	3.37E-07	1.02E-06	5.88E-07	6.00E-07	5.44E-07	2.48E-07	2.48E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.29E-07	1.99E-08	1.92E-08	2.97E-07
3985	493863.09	3853877.25	9.25E-04	9.44E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.71E-07	5.18E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.82E-07
3986	494363.09	3853877.25	8.85E-04	9.03E-04	9.02E-04	3.06E-07	9.25E-07	5.35E-07	5.46E-07	4.95E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.85E-08	1.85E-08	1.18E-07	1.81E-08	1.75E-08	2.70E-07
3987	494863.09	3853877.25	8.36E-04	8.53E-04	8.52E-04	2.89E-07	8.74E-07	5.06E-07	5.16E-07	4.68E-07	2.13E-07	2.13E-07	0.00E+00	0.00E+00	9.31E-08	1.75E-08	1.11E-07	1.71E-08	1.65E-08	2.55E-07
3988	495363.09	3853877.25	7.49E-04	7.65E-04	7.64E-04	2.59E-07	7.83E-07	4.53E-07	4.63E-07	4.19E-07	1.91E-07	1.91E-07	0.00E+00	0.00E+00	8.34E-08	1.57E-08	9.96E-08	1.54E-08	1.48E-08	2.29E-07
3989	495863.09	3853877.25	6.76E-04	6.90E-04	6.89E-04	2.34E-07	7.07E-07	4.09E-07	4.17E-07	3.78E-07	1.73E-07	1.72E-07	0.00E+00	0.00E+00	7.52E-08	1.42E-08	8.99E-08	1.39E-08	1.34E-08	2.07E-07
3990	496363.09	3853877.25	6.26E-04	6.38E-04	6.38E-04	2.17E-07	6.54E-07	3.79E-07	3.86E-07	3.50E-07	1.60E-07	1.60E-07	0.00E+00	0.00E+00	6.96E-08	1.31E-08	8.32E-08	1.28E-08	1.24E-08	1.91E-07
3991	496863.09	3853877.25	5.40E-04	5.51E-04	5.51E-04	1.87E-07	5.65E-07	3.27E-07	3.34E-07	3.02E-07	1.38E-07	1.38E-07	0.00E+00	0.00E+00	6.02E-08	1.13E-08	7.19E-08	1.11E-08	1.07E-08	1.65E-07
3992	497363.09	3853877.25	4.67E-04	4.77E-04	4.76E-04	1.62E-07	4.88E-07	2.83E-07	2.89E-07	2.62E-07	1.19E-07	1.19E-07	0.00E+00	0.00E+00	5.20E-08	9.79E-09	6.21E-08	9.58E-09	9.23E-09	1.43E-07
3993	497863.09	3853877.25	3.70E-04	3.77E-04	3.77E-04	1.28E-07	3.86E-07	2.24E-07	2.28E-07	2.07E-07	9.44E-08	9.43E-08	0.00E+00	0.00E+00	4.11E-08	7.74E-09	4.91E-08	7.58E-09	7.30E-09	1.13E-07
3994	498363.09	3853877.25	3.14E-04	3.21E-04	3.20E-04	1.09E-07	3.29E-07	1.90E-07	1.94E-07	1.76E-07	8.03E-08	8.02E-08	0.00E+00	0.00E+00	3.50E-08	6.59E-09	4.18E-08	6.45E-09	6.21E-09	9.61E-08
3995	471363.09	3854377.25	3.90E-04	3.98E-04	3.98E-04	1.35E-07	4.08E-07	2.36E-07	2.41E-07	2.18E-07	9.96E-08	9.95E-08	0.00E+00	0.00E+00	4.34E-08	8.18E-09	5.19E-08	8.00E-09	7.71E-09	1.19E-07
3996	471863.09	3854377.25	4.31E-04	4.40E-04	4.39E-04	1.49E-07	4.51E-07	2.61E-07	2.66E-07	2.41E-07	1.10E-07	1.10E-07	0.00E+00	0.00E+00	4.80E-08	9.03E-09	5.73E-08	8.84E-09	8.51E-09	1.32E-07
3997	472363.09	3854377.25	4.65E-04	4.74E-04	4.74E-04	1.61E-07	4.86E-07	2.81E-07	2.87E-07	2.60E-07	1.19E-07	1.19E-07	0.00E+00	0.00E+00	5.17E-08	9.74E-09	6.18E-08	9.53E-09	9.18E-09	1.42E-07
3998	472863.09	3854377.25	4.89E-04	4.99E-04	4.98E-04	1.69E-07	5.11E-07	2.96E-07	3.02E-07	2.73E-07	1.25E-07	1.25E-07	0.00E+00	0.00E+00	5.44E-08	1.02E-08	6.50E-08	1.00E-08	9.65E-09	1.49E-07
3999	473363.09	3854377.25	5.20E-04	5.31E-04	5.30E-04	1.80E-07	5.44E-07	3.15E-07	3.21E-07	2.91E-07	1.33E-07	1.33E-07	0.00E+00	0.00E+00	5.79E-08	1.09E-08	6.92E-08	1.07E-08	1.03E-08	1.59E-07
4000	473863.09	3854377.25	5.59E-04	5.70E-04	5.70E-04	1.93E-07	5.84E-07	3.38E-07	3.45E-07	3.13E-07	1.43E-07	1.43E-07	0.00E+00	0.00E+00	6.22E-08	1.17E-08	7.43E-08	1.15E-08	1.10E-08	1.71E-07
4001	474363.09	3854377.25	5.91E-04	6.03E-04	6.03E-04	2.05E-07	6.18E-07	3.58E-07	3.65E-07	3.31E-07	1.51E-07	1.51E-07	0.00E+00	0.00E+00	6.58E-08	1.24E-08	7.86E-08	1.21E-08	1.17E-08	1.81E-07
4002	474863.09	3854377.25	5.55E-04	5.67E-04	5.66E-04	1.92E-07	5.81E-07	3.36E-07	3.43E-07	3.11E-07	1.42E-07	1.42E-07	0.00E+00	0.00E+00	6.18E-08	1.16E-08	7.39E-08	1.14E-08	1.10E-08	1.70E-07
4003	475363.09	3854377.25	4.56E-04	4.66E-04	4.65E-04	1.58E-07	4.77E-07	2.76E-07	2.82E-07	2.55E-07	1.17E-07	1.16E-07	0.00E+00	0.00E+00	5.08E-08	9.57E-09	6.07E-08	9.36E-09	9.02E-09	1.39E-07
4004	475863.09	3854377.25	2.68E-04	2.73E-04	2.73E-04	9.26E-08	2.80E-07	1.62E-07	1.65E-07	1.50E-07	6.83E-08	6.82E-08	0.00E+00	0.00E+00	2.98E-08	5.61E-09	3.56E-08	5.49E-09	5.28E-09	8.17E-08
4005	476363.09	3854377.25	2.17E-04	2.22E-04	2.22E-04	7.53E-08	2.27E-07	1.32E-07	1.34E-07	1.22E-07	5.55E-08	5.55E-08	0.00E+00	0.00E+00	2.42E-08	4.56E-09	2.89E-08	4.46E-09	4.30E-09	6.64E-08
4006	476863.09	3854377.25	1.93E-04	1.97E-04	1.97E-04	6.69E-08	2.02E-07	1.17E-07	1.19E-07	1.08E-07	4.94E-08	4.93E-08	0.00E+00	0.00E+00	2.15E-08	4.05E-09	2.57E-08	3.96E-09	3.82E-09	5.91E-08
4007	477363.09	3854377.25	1.79E-04	1.83E-04	1.83E-04	6.21E-08	1.88E-07	1.09E-07	1.11E-07	1.00E-07	4.58E-08	4.58E-08	0.00E+00	0.00E+00	2.00E-08	3.76E-09	2.39E-08	3.68E-09	3.54E-09	5.48E-08
4008	477863.09	3854377.25	1.75E-04	1.79E-04	1.79E-04	6.07E-08	1.83E-07	1.06E-07	1.08E-07	9.81E-08	4.48E-08	4.47E-08	0.00E+00	0.00E+00	1.95E-08	3.67E-09	2.33E-08	3.60E-09	3.46E-09	5.36E-08
4009	478363.09	3854377.25	2.18E-04	2.22E-04	2.22E-04	7.54E-08	2.28E-07	1.32E-07	1.34E-07	1.22E-07	5.56E-08	5.55E-08	0.00E+00	0.00E+00	2.42E-08	4.56E-09	2.90E-08	4.47E-09	4.30E-09	6.65E-08
4010	478863.09	3854377.25	2.38E-04	2.43E-04	2.43E-04	8.25E-08	2.49E-07	1.44E-07	1.47E-07	1.33E-07	6.09E-08	6.08E-08	0.00E+00	0.00E+00	2.65E-08	5.00E-09	3.17E-08	4.89E-09	4.71E-09	7.28E-08
4011	479363.09	3854377.25	4.42E-04	4.51E-04	4.50E-04	1.53E-07	4.62E-07	2.67E-07	2.73E-07	2.47E-07	1.13E-07	1.13E-07	0.00E+00	0.00E+00	4.92E-08	9.26E-09	5.88E-08	9.06E-09	8.73E-09	1.35E-07
4012	479863.09	3854377.25	5.88E-04	6.00E-04	5.99E-04	2.04E-07	6.15E-07	3.56E-07	3.63E-07	3.29E-07	1.50E-07	1.50E-07	0.00E+00	0.00E+00	6.55E-08	1.23E-08	7.82E-08	1.21E-08	1.16E-08	1.80E-07
4013	480363.09	3854377.25	8.19E-04	8.36E-04	8.35E-04	2.83E-07	8.56E-07	4.95E-07	5.06E-07	4.58E-07	2.09E-07	2.09E-07	0.00E+00	0.00E+00	9.12E-08	1.72E-08	1.09E-07	1.68E-08	1.62E-08	2.50E-07
4014	480863.09	3854377.25	1.21E-03	1.24E-03	1.24E-03	4.20E-07	1.27E-06	7.33E-07	7.48E-07	6.78E-07	3.10E-07	3.09E-07	0.00E+00	0.00E+00	1.35E-07	2.54E-08	1.61E-07	2.49E-08	2.39E-08	3.70E-07
4015	481363.09	3854377.25	1.61E-03	1.64E-03	1.64E-03	5.56E-07	1.68E-06	9.72E-07	9.91E-07	8.99E-07	4.10E-07	4.10E-07	0.00E+00	0.00E+00	1.79E-07	3.36E-08	2.14E-07	3.29E-08	3.17E-08	4.91E-07
4016	481863.09	3854377.25	2.00E-03	2.04E-03	2.04E-03	6.93E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.11E-07	5.11E-07	0.00E+00	0.00E+00	2.23E-07	4.20E-08	2.66E-07	4.11E-08	3.96E-08	6.12E-07
4017	482363.09	3854377.25	2.07E-03	2.11E-03	2.11E-03	7.15E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.28E-07	5.27E-07	0.00E+00	0.00E+00	2.30E-07	4.33E-08	2.75E-07	4.24E-08	4.08E-08	6.31E-07
4018	482863.09	3854377.25	2.06E-03	2.10E-03	2.10E-03	7.12E-07	2.15E-06	1.25E-06	1.27E-06	1.15E-06	5.26E-07	5.25E-07	0.00E+00	0.00E+00	2.29E-07	4.31E-08	2.74E-07	4.22E-08	4.07E-08	6.29E-07
4019	483363.09	3854377.25	2.02E-03	2.06E-03	2.06E-03	6.98E-07	2.11E-06	1.22E-06	1.24E-06	1.13E-06	5.15E-07	5.14E-07	0.00E+00	0.00E+00	2.24E-07	4.23E-08	2.68E-07	4.14E-08	3.98E-08	6.16E-07
4020	483863.09	3854377.25	1.83E-03	1.87E-03	1.86E-03	6.33E-07	1.91E-06	1.11E-06	1.13E-06	1.02E-06	4.67E-07	4.66E-07	0.00E+00	0.00E+00	2.04E-07	3.83E-08	2.43E-07	3.75E-08	3.61E-08	5.59E-07
4021	484363.09	3854377.25	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.37E-07	9.56E-07	8.67E-07	3.96E-07	3.95E-07	0.00E+00	0.00E+00	1.72E-07	3.25E-08	2.06E-07	3.18E-08	3.06E-08	4.73E-07
4022	484863.09	3854377.25	1.28E-03	1.31E-03	1.31E-03	4.45E-07	1.34E-06	7.77E-07	7.93E-07	7.19E-07	3.28E-07	3.28E-07	0.00E+00	0.00E+00	1.43E-07	2.69E-08	1.71E-07	2.63E-08	2.54E-08	3.92E-07
4023	485363.09	3854377.25	1.47E-03	1.50E-03	1.50E-03	5.09E-07	1.54E-06	8.90E-07	9.08E-07	8.23E-07	3.76E-07	3.75E-07	0.00E+00	0.00E+00	1.64E-07	3.08E-08	1.96E-07	3.02E-08	2.91E-08	4.49E-07
4024	485863.09	3854377.25	1.31E-03	1.34E-03	1.34E-03	4.54E-07	1.37E-06	7.93E-07	8.09E-07	7.34E-07	3.35E-07	3.34E-07	0.00E+00	0.00E+00	1.46E-07	2.75E-08	1.74E-07	2.69E-08	2.59E-08	4.01E-07
4025	486363.09	3854377.25	1.37E-03	1.40E-03	1.40E-03	4.74E-07	1.43E-06	8.29E-07	8.45E-07	7.66E-07	3.50E-07	3.49E-07	0.00E+00	0.00E+00	1.52E-07	2.87E-08	1.82E-07	2.81E-08	2.70E-08	4.18E-07

4026	486863.09	3854377.25	1.29E-03	1.31E-03	1.31E-03	4.46E-07	1.35E-06	7.79E-07	7.95E-07	7.21E-07	3.29E-07	3.28E-07	0.00E+00	0.00E+00	1.43E-07	2.70E-08	1.71E-07	2.64E-08	2.54E-08	3.93E-07
4027	487363.09	3854377.25	1.27E-03	1.30E-03	1.29E-03	4.40E-07	1.33E-06	7.69E-07	7.84E-07	7.11E-07	3.24E-07	3.24E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.61E-08	2.51E-08	3.88E-07
4028	487863.09	3854377.25	1.30E-03	1.32E-03	1.32E-03	4.49E-07	1.35E-06	7.84E-07	8.00E-07	7.25E-07	3.31E-07	3.31E-07	0.00E+00	0.00E+00	1.44E-07	2.72E-08	1.72E-07	2.66E-08	2.56E-08	3.96E-07
4029	488363.09	3854377.25	1.29E-03	1.32E-03	1.32E-03	4.48E-07	1.35E-06	7.82E-07	7.98E-07	7.24E-07	3.30E-07	3.30E-07	0.00E+00	0.00E+00	1.44E-07	2.71E-08	1.72E-07	2.65E-08	2.55E-08	3.95E-07
4030	488863.09	3854377.25	1.27E-03	1.29E-03	1.29E-03	4.39E-07	1.33E-06	7.67E-07	7.83E-07	7.10E-07	3.24E-07	3.24E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.60E-08	2.50E-08	3.87E-07
4031	489363.09	3854377.25	1.23E-03	1.26E-03	1.25E-03	4.26E-07	1.29E-06	7.45E-07	7.60E-07	6.89E-07	3.14E-07	3.14E-07	0.00E+00	0.00E+00	1.37E-07	2.58E-08	1.64E-07	2.52E-08	2.43E-08	3.76E-07
4032	489863.09	3854377.25	1.18E-03	1.21E-03	1.21E-03	4.09E-07	1.24E-06	7.16E-07	7.30E-07	6.62E-07	3.02E-07	3.02E-07	0.00E+00	0.00E+00	1.32E-07	2.48E-08	1.57E-07	2.43E-08	2.34E-08	3.61E-07
4033	490363.09	3854377.25	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.83E-07	6.97E-07	6.32E-07	2.88E-07	2.88E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.50E-07	2.32E-08	2.23E-08	3.45E-07
4034	490863.09	3854377.25	9.87E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.97E-07	6.09E-07	5.52E-07	2.52E-07	2.52E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.31E-07	2.02E-08	1.95E-08	3.01E-07
4035	491363.09	3854377.25	1.01E-03	1.03E-03	1.03E-03	3.50E-07	1.06E-06	6.12E-07	6.25E-07	5.66E-07	2.58E-07	2.58E-07	0.00E+00	0.00E+00	1.13E-07	2.12E-08	1.35E-07	2.08E-08	2.00E-08	3.09E-07
4036	491863.09	3854377.25	1.01E-03	1.04E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.27E-07	5.68E-07	2.59E-07	2.59E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.08E-08	2.00E-08	3.10E-07
4037	492363.09	3854377.25	9.94E-04	1.01E-03	1.01E-03	3.44E-07	1.04E-06	6.02E-07	6.14E-07	5.56E-07	2.54E-07	2.54E-07	0.00E+00	0.00E+00	1.11E-07	2.08E-08	1.32E-07	2.04E-08	1.96E-08	3.04E-07
4038	492863.09	3854377.25	9.59E-04	9.79E-04	9.78E-04	3.32E-07	1.00E-06	5.80E-07	5.92E-07	5.37E-07	2.45E-07	2.45E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.28E-07	1.97E-08	1.89E-08	2.93E-07
4039	493363.09	3854377.25	9.17E-04	9.35E-04	9.34E-04	3.17E-07	9.58E-07	5.55E-07	5.66E-07	5.13E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
4040	493863.09	3854377.25	8.73E-04	8.91E-04	8.90E-04	3.02E-07	9.13E-07	5.28E-07	5.39E-07	4.89E-07	2.23E-07	2.23E-07	0.00E+00	0.00E+00	9.72E-08	1.83E-08	1.16E-07	1.79E-08	1.72E-08	2.67E-07
4041	494363.09	3854377.25	8.33E-04	8.50E-04	8.49E-04	2.88E-07	8.71E-07	5.04E-07	5.14E-07	4.66E-07	2.13E-07	2.12E-07	0.00E+00	0.00E+00	9.27E-08	1.75E-08	1.11E-07	1.71E-08	1.65E-08	2.54E-07
4042	494863.09	3854377.25	7.28E-04	7.42E-04	7.42E-04	2.52E-07	7.60E-07	4.40E-07	4.49E-07	4.07E-07	1.86E-07	1.86E-07	0.00E+00	0.00E+00	8.10E-08	1.52E-08	9.67E-08	1.49E-08	1.44E-08	2.22E-07
4043	495363.09	3854377.25	6.10E-04	6.22E-04	6.21E-04	2.11E-07	6.37E-07	3.69E-07	3.76E-07	3.41E-07	1.56E-07	1.56E-07	0.00E+00	0.00E+00	6.79E-08	1.28E-08	8.11E-08	1.25E-08	1.20E-08	1.86E-07
4044	495863.09	3854377.25	5.27E-04	5.38E-04	5.38E-04	1.83E-07	5.51E-07	3.19E-07	3.26E-07	2.95E-07	1.35E-07	1.35E-07	0.00E+00	0.00E+00	5.87E-08	1.11E-08	7.01E-08	1.08E-08	1.04E-08	1.61E-07
4045	496363.09	3854377.25	4.88E-04	4.98E-04	4.98E-04	1.69E-07	5.10E-07	2.95E-07	3.01E-07	2.73E-07	1.25E-07	1.25E-07	0.00E+00	0.00E+00	5.44E-08	1.02E-08	6.49E-08	1.00E-08	9.64E-09	1.49E-07
4046	496863.09	3854377.25	4.35E-04	4.44E-04	4.43E-04	1.51E-07	4.55E-07	2.63E-07	2.69E-07	2.43E-07	1.11E-07	1.11E-07	0.00E+00	0.00E+00	4.84E-08	9.11E-09	5.78E-08	8.92E-09	8.59E-09	1.33E-07
4047	497363.09	3854377.25	3.48E-04	3.55E-04	3.55E-04	1.21E-07	3.64E-07	2.11E-07	2.15E-07	1.95E-07	8.89E-08	8.88E-08	0.00E+00	0.00E+00	3.88E-08	7.30E-09	4.63E-08	7.14E-09	6.88E-09	1.06E-07
4048	497863.09	3854377.25	3.64E-04	3.72E-04	3.71E-04	1.26E-07	3.81E-07	2.20E-07	2.25E-07	2.04E-07	9.30E-08	9.29E-08	0.00E+00	0.00E+00	4.05E-08	7.63E-09	4.84E-08	7.47E-09	7.19E-09	1.11E-07
4049	498363.09	3854377.25	3.19E-04	3.26E-04	3.25E-04	1.10E-07	3.34E-07	1.93E-07	1.97E-07	1.79E-07	8.15E-08	8.14E-08	0.00E+00	0.00E+00	3.55E-08	6.69E-09	4.24E-08	6.54E-09	6.30E-09	9.75E-08
4050	471363.09	3854877.25	3.84E-04	3.92E-04	3.91E-04	1.33E-07	4.01E-07	2.32E-07	2.37E-07	2.15E-07	9.81E-08	9.79E-08	0.00E+00	0.00E+00	4.27E-08	8.05E-09	5.11E-08	7.87E-09	7.58E-09	1.17E-07
4051	471863.09	3854877.25	4.13E-04	4.21E-04	4.20E-04	1.43E-07	4.31E-07	2.50E-07	2.55E-07	2.31E-07	1.05E-07	1.05E-07	0.00E+00	0.00E+00	4.59E-08	8.65E-09	5.49E-08	8.46E-09	8.15E-09	1.26E-07
4052	472363.09	3854877.25	4.39E-04	4.48E-04	4.48E-04	1.52E-07	4.59E-07	2.66E-07	2.71E-07	2.46E-07	1.12E-07	1.12E-07	0.00E+00	0.00E+00	4.89E-08	9.21E-09	5.84E-08	9.01E-09	8.68E-09	1.34E-07
4053	472863.09	3854877.25	4.48E-04	4.57E-04	4.56E-04	1.55E-07	4.68E-07	2.71E-07	2.77E-07	2.51E-07	1.14E-07	1.14E-07	0.00E+00	0.00E+00	4.99E-08	9.39E-09	5.96E-08	9.19E-09	8.85E-09	1.37E-07
4054	473363.09	3854877.25	4.85E-04	4.95E-04	4.95E-04	1.68E-07	5.07E-07	2.94E-07	3.00E-07	2.72E-07	1.24E-07	1.24E-07	0.00E+00	0.00E+00	5.40E-08	1.02E-08	6.45E-08	9.95E-09	9.59E-09	1.48E-07
4055	473863.09	3854877.25	5.20E-04	5.30E-04	5.30E-04	1.80E-07	5.43E-07	3.15E-07	3.21E-07	2.91E-07	1.33E-07	1.33E-07	0.00E+00	0.00E+00	5.79E-08	1.09E-08	6.91E-08	1.07E-08	1.03E-08	1.59E-07
4056	474363.09	3854877.25	5.63E-04	5.75E-04	5.74E-04	1.95E-07	5.89E-07	3.41E-07	3.48E-07	3.15E-07	1.44E-07	1.44E-07	0.00E+00	0.00E+00	6.27E-08	1.18E-08	7.49E-08	1.15E-08	1.11E-08	1.72E-07
4057	474863.09	3854877.25	4.64E-04	4.73E-04	4.73E-04	1.61E-07	4.85E-07	2.81E-07	2.86E-07	2.60E-07	1.18E-07	1.18E-07	0.00E+00	0.00E+00	5.16E-08	9.72E-09	6.17E-08	9.51E-09	9.16E-09	1.42E-07
4058	475363.09	3854877.25	3.34E-04	3.41E-04	3.40E-04	1.16E-07	3.49E-07	2.02E-07	2.06E-07	1.87E-07	8.53E-08	8.52E-08	0.00E+00	0.00E+00	3.72E-08	7.00E-09	4.44E-08	6.85E-09	6.59E-09	1.02E-07
4059	475863.09	3854877.25	2.16E-04	2.20E-04	2.20E-04	7.48E-08	2.26E-07	1.31E-07	1.33E-07	1.21E-07	5.52E-08	5.51E-08	0.00E+00	0.00E+00	2.40E-08	4.53E-09	2.87E-08	4.43E-09	4.27E-09	6.60E-08
4060	476363.09	3854877.25	1.00E-04	1.02E-04	1.02E-04	3.47E-08	1.05E-07	6.06E-08	6.19E-08	5.61E-08	2.56E-08	2.56E-08	0.00E+00	0.00E+00	1.12E-08	2.10E-09	1.33E-08	2.05E-09	1.98E-09	3.06E-08
4061	476863.09	3854877.25	9.16E-05	9.35E-05	9.34E-05	3.17E-08	9.58E-08	5.54E-08	5.66E-08	5.13E-08	2.34E-08	2.34E-08	0.00E+00	0.00E+00	1.02E-08	1.92E-09	1.22E-08	1.88E-09	1.81E-09	2.80E-08
4062	477363.09	3854877.25	1.20E-04	1.23E-04	1.23E-04	4.16E-08	1.26E-07	7.27E-08	7.42E-08	6.73E-08	3.07E-08	3.07E-08	0.00E+00	0.00E+00	1.34E-08	2.52E-09	1.60E-08	2.47E-09	2.37E-09	3.67E-08
4063	477863.09	3854877.25	1.48E-04	1.51E-04	1.50E-04	5.11E-08	1.54E-07	8.93E-08	9.11E-08	8.26E-08	3.77E-08	3.77E-08	0.00E+00	0.00E+00	1.64E-08	3.09E-09	1.96E-08	3.03E-09	2.92E-09	4.51E-08
4064	478363.09	3854877.25	2.26E-04	2.31E-04	2.31E-04	7.83E-08	2.37E-07	1.37E-07	1.40E-07	1.27E-07	5.78E-08	5.77E-08	0.00E+00	0.00E+00	2.52E-08	4.74E-09	3.01E-08	4.64E-09	4.47E-09	6.91E-08
4065	478863.09	3854877.25	3.57E-04	3.64E-04	3.64E-04	1.24E-07	3.73E-07	2.16E-07	2.20E-07	2.00E-07	9.11E-08	9.10E-08	0.00E+00	0.00E+00	3.97E-08	7.48E-09	4.75E-08	7.32E-09	7.05E-09	1.09E-07
4066	479363.09	3854877.25	5.24E-04	5.35E-04	5.34E-04	1.81E-07	5.48E-07	3.17E-07	3.23E-07	2.93E-07	1.34E-07	1.34E-07	0.00E+00	0.00E+00	5.83E-08	1.10E-08	6.97E-08	1.07E-08	1.03E-08	1.60E-07
4067	479863.09	3854877.25	7.13E-04	7.28E-04	7.27E-04	2.47E-07	7.45E-07	4.31E-07	4.40E-07	3.99E-07	1.82E-07	1.82E-07	0.00E+00	0.00E+00	7.94E-08	1.49E-08	9.48E-08	1.46E-08	1.41E-08	2.18E-07
4068	480363.09	3854877.25	8.59E-04	8.76E-04	8.75E-04	2.97E-07	8.97E-07	5.20E-07	5.30E-07	4.81E-07	2.19E-07	2.19E-07	0.00E+00	0.00E+00	9.56E-08	1.80E-08	1.14E-07	1.76E-08	1.70E-08	2.62E-07
4069	480863.09	3854877.25	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.76E-07	6.90E-07	6.25E-07	2.85E-07	2.85E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.21E-08	3.41E-07
4070	481363.09	3854877.25	1.27E-03	1.29E-03	1.29E-03	4.39E-07	1.33E-06	7.67E-07	7.83E-07	7.10E-07	3.24E-07	3.24E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.60E-08	2.50E-08	3.87E-07
4071	481863.09	3854877.25	1.20E-03	1.22E-03	1.22E-03	4.15E-07	1.25E-06	7.26E-07	7.41E-07	6.71E-07	3.06E-07	3.06E-07	0.00E+00	0.00E+00	1.34E-07	2.51E-08	1.60E-07	2.46E-08	2.37E-08	3.66E-07
4072	482363.09	3854877.25	1.50E-03	1.54E-03	1.53E-03	5.21E-07	1.57E-06	9.10E-07	9.29E-07	8.42E-07	3.84E-07	3.84E-07	0.00E+00	0.00E+00	1.67E-07	3.15E-08	2.00E-07	3.09E-08	2.97E-08	4.60E-07
4073	482863.09	3854877.25	1.49E-03	1.52E-03	1.52E-03	5.16E-07	1.56E-06	9.02E-07	9.21E-07	8.35E-07	3.81E-07	3.80E-07	0.00E+00	0.00E+00	1.66E-07	3.12E-08	1.98E-07	3.06E-08	2.94E-08	4.56E-07
4074	483363.09	3854877.25	1.49E-03	1.52E-03	1.52E-03	5.17E-07	1.56E-06	9.04E-07	9.22E-07	8.36E-07	3.82E-07	3.81E-07	0.00E+00	0.00E+00	1.66E-07	3.13E-08	1.99E-07	3.06E-08	2.95E-08	4.56E-07
4075	483863.09	3854877.25	1.46E-03	1.49E-03	1.49E-03	5.06E-07	1.53E-06	8.85E-07	9.03E-07	8.18E-07	3.73E-07	3.73E-07	0.00E+00	0.00E+00	1.63E-07	3.06E-08	1.94E-07	3.00E-08	2.89E-08	4.47E-07
4076	484363.09	3854877.25	1.34E-03	1.37E-03	1.37E-03	4.64E-07	1.40E-06	8.11E-07	8.27E-07	7.50E-07	3.42E-07	3.42E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.78E-07	2.75E-08	2.65E-08	4.09E-07
4077	484863.09	3854877.25	1.30E-03	1.33E-03	1.32E-03	4.50E-07	1.36E-06	7.86E-07	8.02E-07	7.27E-07	3.32E-07	3.31E-07	0.00E+00	0.00E+00	1.45E-07	2.72E-08	1.73E-07	2.66E-08	2.57E-08	3.97E-07
4078	485363.09	3854877.25	1.23E-03	1.26E-03	1.26E-03	4.27E-07	1.29E-06	7.47E-07	7.62E-07	6.91E-07	3.15E-07	3.15E-07	0.00E+00	0.00E+00	1.37E-07	2.59E-08	1.64E-07	2.53E-08	2.44E-08	3.77E-07
4079	485863.09	3854877.25	1.20E-03	1.23E-03	1.23E-03	4.16E-07	1.26E-06	7.28E-07	7.43E-07	6.73E-07	3.07E-07	3.07E-07	0.00E+00	0.00E+00	1.34E-07	2.52E-08	1.60E-07	2.47E-08	2.38E-08	3.68E-07
4080	486363.09	3854877.25	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.07E-07	7.22E-07	6.54E-07	2.99E-07	2.98E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.55E-07	2.40E-08	2.31E-08	3.57E-07
4081	486863.09	3854877.25	1.16E-03	1.18E-03	1.18E-03	4.02E-07	1.21E-06	7.02E-07	7.17E-07	6.50E-07	2.96E-07	2.96E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.29E-08	3.55E-07

4082	487363.09	3854877.25	1.20E-03	1.23E-03	1.22E-03	4.16E-07	1.26E-06	7.27E-07	7.41E-07	6.72E-07	3.07E-07	3.06E-07	0.00E+00	0.00E+00	1.34E-07	2.52E-08	1.60E-07	2.46E-08	2.37E-08	3.67E-07
4083	487863.09	3854877.25	1.20E-03	1.22E-03	1.22E-03	4.14E-07	1.25E-06	7.24E-07	7.38E-07	6.69E-07	3.05E-07	3.05E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.59E-07	2.45E-08	2.36E-08	3.65E-07
4084	488363.09	3854877.25	1.17E-03	1.20E-03	1.19E-03	4.06E-07	1.22E-06	7.09E-07	7.24E-07	6.56E-07	2.99E-07	2.99E-07	0.00E+00	0.00E+00	1.30E-07	2.46E-08	1.56E-07	2.40E-08	2.31E-08	3.58E-07
4085	488863.09	3854877.25	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.01E-07	7.15E-07	6.48E-07	2.96E-07	2.96E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.29E-08	3.54E-07
4086	489363.09	3854877.25	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.84E-07	6.98E-07	6.33E-07	2.89E-07	2.88E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.50E-07	2.32E-08	2.23E-08	3.46E-07
4087	489863.09	3854877.25	1.07E-03	1.10E-03	1.09E-03	3.72E-07	1.12E-06	6.50E-07	6.63E-07	6.01E-07	2.74E-07	2.74E-07	0.00E+00	0.00E+00	1.19E-07	2.25E-08	1.43E-07	2.20E-08	2.12E-08	3.28E-07
4088	490363.09	3854877.25	9.11E-04	9.30E-04	9.29E-04	3.15E-07	9.53E-07	5.51E-07	5.63E-07	5.10E-07	2.33E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
4089	490863.09	3854877.25	7.15E-04	7.29E-04	7.28E-04	2.47E-07	7.47E-07	4.32E-07	4.41E-07	4.00E-07	1.82E-07	1.82E-07	0.00E+00	0.00E+00	7.95E-08	1.50E-08	9.50E-08	1.47E-08	1.41E-08	2.18E-07
4090	491363.09	3854877.25	7.61E-04	7.76E-04	7.75E-04	2.63E-07	7.95E-07	4.60E-07	4.70E-07	4.26E-07	1.94E-07	1.94E-07	0.00E+00	0.00E+00	8.47E-08	1.59E-08	1.01E-07	1.56E-08	1.50E-08	2.32E-07
4091	491863.09	3854877.25	9.46E-04	9.65E-04	9.64E-04	3.28E-07	9.89E-07	5.72E-07	5.84E-07	5.30E-07	2.42E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.87E-08	2.89E-07
4092	492363.09	3854877.25	9.33E-04	9.53E-04	9.51E-04	3.23E-07	9.76E-07	5.65E-07	5.76E-07	5.22E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07
4093	492863.09	3854877.25	9.00E-04	9.18E-04	9.17E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.75E-07
4094	493363.09	3854877.25	8.57E-04	8.75E-04	8.74E-04	2.97E-07	8.96E-07	5.19E-07	5.29E-07	4.80E-07	2.19E-07	2.19E-07	0.00E+00	0.00E+00	9.54E-08	1.80E-08	1.14E-07	1.76E-08	1.69E-08	2.62E-07
4095	493863.09	3854877.25	8.20E-04	8.37E-04	8.36E-04	2.84E-07	8.57E-07	4.96E-07	5.06E-07	4.59E-07	2.09E-07	2.09E-07	0.00E+00	0.00E+00	9.13E-08	1.72E-08	1.09E-07	1.68E-08	1.62E-08	2.51E-07
4096	494363.09	3854877.25	6.98E-04	7.12E-04	7.11E-04	2.42E-07	7.29E-07	4.22E-07	4.31E-07	3.91E-07	1.78E-07	1.78E-07	0.00E+00	0.00E+00	7.77E-08	1.46E-08	9.28E-08	1.43E-08	1.38E-08	2.13E-07
4097	494863.09	3854877.25	5.52E-04	5.63E-04	5.62E-04	1.91E-07	5.77E-07	3.34E-07	3.41E-07	3.09E-07	1.41E-07	1.41E-07	0.00E+00	0.00E+00	6.14E-08	1.16E-08	7.34E-08	1.13E-08	1.09E-08	1.69E-07
4098	495363.09	3854877.25	4.55E-04	4.64E-04	4.64E-04	1.57E-07	4.76E-07	2.75E-07	2.81E-07	2.55E-07	1.16E-07	1.16E-07	0.00E+00	0.00E+00	5.06E-08	9.53E-09	6.05E-08	9.33E-09	8.99E-09	1.39E-07
4099	495863.09	3854877.25	4.03E-04	4.11E-04	4.11E-04	1.39E-07	4.21E-07	2.44E-07	2.49E-07	2.25E-07	1.03E-07	1.03E-07	0.00E+00	0.00E+00	4.48E-08	8.44E-09	5.36E-08	8.26E-09	7.96E-09	1.23E-07
4100	496363.09	3854877.25	3.31E-04	3.38E-04	3.38E-04	1.15E-07	3.46E-07	2.00E-07	2.04E-07	1.85E-07	8.46E-08	8.45E-08	0.00E+00	0.00E+00	3.69E-08	6.94E-09	4.40E-08	6.79E-09	6.54E-09	1.01E-07
4101	496863.09	3854877.25	2.91E-04	2.97E-04	2.97E-04	1.01E-07	3.05E-07	1.76E-07	1.80E-07	1.63E-07	7.44E-08	7.43E-08	0.00E+00	0.00E+00	3.24E-08	6.11E-09	3.88E-08	5.98E-09	5.76E-09	8.90E-08
4102	497363.09	3854877.25	2.85E-04	2.90E-04	2.90E-04	9.85E-08	2.98E-07	1.72E-07	1.76E-07	1.59E-07	7.27E-08	7.26E-08	0.00E+00	0.00E+00	3.17E-08	5.97E-09	3.79E-08	5.84E-09	5.62E-09	8.70E-08
4103	497863.09	3854877.25	3.20E-04	3.27E-04	3.26E-04	1.11E-07	3.34E-07	1.94E-07	1.98E-07	1.79E-07	8.17E-08	8.16E-08	0.00E+00	0.00E+00	3.56E-08	6.71E-09	4.26E-08	6.56E-09	6.32E-09	9.78E-08
4104	498363.09	3854877.25	3.19E-04	3.26E-04	3.25E-04	1.10E-07	3.34E-07	1.93E-07	1.97E-07	1.79E-07	8.15E-08	8.14E-08	0.00E+00	0.00E+00	3.55E-08	6.69E-09	4.24E-08	6.54E-09	6.30E-09	9.75E-08
4105	471363.09	3855377.25	3.81E-04	3.89E-04	3.88E-04	1.32E-07	3.98E-07	2.31E-07	2.35E-07	2.13E-07	9.73E-08	9.72E-08	0.00E+00	0.00E+00	4.24E-08	7.98E-09	5.07E-08	7.81E-09	7.53E-09	1.16E-07
4106	471863.09	3855377.25	3.97E-04	4.05E-04	4.05E-04	1.37E-07	4.15E-07	2.40E-07	2.45E-07	2.22E-07	1.01E-07	1.01E-07	0.00E+00	0.00E+00	4.42E-08	8.32E-09	5.28E-08	8.15E-09	7.85E-09	1.21E-07
4107	472363.09	3855377.25	4.28E-04	4.37E-04	4.37E-04	1.48E-07	4.48E-07	2.59E-07	2.65E-07	2.40E-07	1.09E-07	1.09E-07	0.00E+00	0.00E+00	4.77E-08	8.98E-09	5.70E-08	8.79E-09	8.46E-09	1.31E-07
4108	472863.09	3855377.25	4.42E-04	4.51E-04	4.50E-04	1.53E-07	4.62E-07	2.67E-07	2.73E-07	2.47E-07	1.13E-07	1.13E-07	0.00E+00	0.00E+00	4.92E-08	9.26E-09	5.88E-08	9.06E-09	8.73E-09	1.35E-07
4109	473363.09	3855377.25	4.79E-04	4.89E-04	4.88E-04	1.66E-07	5.01E-07	2.90E-07	2.96E-07	2.68E-07	1.22E-07	1.22E-07	0.00E+00	0.00E+00	5.33E-08	1.00E-08	6.37E-08	9.83E-09	9.46E-09	1.46E-07
4110	473863.09	3855377.25	5.09E-04	5.19E-04	5.18E-04	1.76E-07	5.32E-07	3.08E-07	3.14E-07	2.85E-07	1.30E-07	1.30E-07	0.00E+00	0.00E+00	5.66E-08	1.07E-08	6.76E-08	1.04E-08	1.00E-08	1.55E-07
4111	474363.09	3855377.25	5.32E-04	5.42E-04	5.42E-04	1.84E-07	5.56E-07	3.22E-07	3.28E-07	2.98E-07	1.36E-07	1.36E-07	0.00E+00	0.00E+00	5.92E-08	1.11E-08	7.07E-08	1.09E-08	1.05E-08	1.62E-07
4112	474863.09	3855377.25	4.51E-04	4.60E-04	4.60E-04	1.56E-07	4.72E-07	2.73E-07	2.79E-07	2.52E-07	1.15E-07	1.15E-07	0.00E+00	0.00E+00	5.02E-08	9.45E-09	6.00E-08	9.25E-09	8.91E-09	1.38E-07
4113	475363.09	3855377.25	1.74E-04	1.78E-04	1.78E-04	6.04E-08	1.82E-07	1.06E-07	1.08E-07	9.76E-08	4.45E-08	4.45E-08	0.00E+00	0.00E+00	1.94E-08	3.66E-09	2.32E-08	3.58E-09	3.45E-09	5.33E-08
4114	475863.09	3855377.25	1.06E-04	1.09E-04	1.08E-04	3.68E-08	1.11E-07	6.44E-08	6.57E-08	5.95E-08	2.72E-08	2.71E-08	0.00E+00	0.00E+00	1.18E-08	2.23E-09	1.41E-08	2.18E-09	2.10E-09	3.25E-08
4115	476363.09	3855377.25	1.32E-04	1.35E-04	1.35E-04	4.58E-08	1.38E-07	8.01E-08	8.17E-08	7.40E-08	3.38E-08	3.37E-08	0.00E+00	0.00E+00	1.47E-08	2.77E-09	1.76E-08	2.71E-09	2.61E-09	4.04E-08
4116	476863.09	3855377.25	1.19E-04	1.22E-04	1.22E-04	4.13E-08	1.25E-07	7.22E-08	7.37E-08	6.68E-08	3.05E-08	3.04E-08	0.00E+00	0.00E+00	1.33E-08	2.50E-09	1.59E-08	2.45E-09	2.36E-09	3.65E-08
4117	477363.09	3855377.25	1.33E-04	1.36E-04	1.36E-04	4.62E-08	1.40E-07	8.08E-08	8.24E-08	7.47E-08	3.41E-08	3.40E-08	0.00E+00	0.00E+00	1.49E-08	2.80E-09	1.78E-08	2.74E-09	2.64E-09	4.08E-08
4118	477863.09	3855377.25	1.93E-04	1.97E-04	1.97E-04	6.69E-08	2.02E-07	1.17E-07	1.19E-07	1.08E-07	4.94E-08	4.93E-08	0.00E+00	0.00E+00	2.15E-08	4.05E-09	2.57E-08	3.96E-09	3.82E-09	5.91E-08
4119	478363.09	3855377.25	2.69E-04	2.75E-04	2.74E-04	9.31E-08	2.81E-07	1.63E-07	1.66E-07	1.51E-07	6.87E-08	6.86E-08	0.00E+00	0.00E+00	2.99E-08	5.64E-09	3.58E-08	5.52E-09	5.31E-09	8.22E-08
4120	478863.09	3855377.25	3.50E-04	3.57E-04	3.56E-04	1.21E-07	3.66E-07	2.12E-07	2.16E-07	1.96E-07	8.93E-08	8.92E-08	0.00E+00	0.00E+00	3.89E-08	7.33E-09	4.65E-08	7.17E-09	6.91E-09	1.07E-07
4121	479363.09	3855377.25	4.60E-04	4.70E-04	4.69E-04	1.59E-07	4.81E-07	2.78E-07	2.84E-07	2.58E-07	1.18E-07	1.17E-07	0.00E+00	0.00E+00	5.12E-08	9.65E-09	6.12E-08	9.44E-09	9.09E-09	1.41E-07
4122	479863.09	3855377.25	5.63E-04	5.75E-04	5.74E-04	1.95E-07	5.89E-07	3.41E-07	3.48E-07	3.15E-07	1.44E-07	1.44E-07	0.00E+00	0.00E+00	6.27E-08	1.18E-08	7.49E-08	1.16E-08	1.11E-08	1.72E-07
4123	480363.09	3855377.25	7.53E-04	7.69E-04	7.68E-04	2.61E-07	7.87E-07	4.56E-07	4.65E-07	4.22E-07	1.92E-07	1.92E-07	0.00E+00	0.00E+00	8.38E-08	1.58E-08	1.00E-07	1.54E-08	1.49E-08	2.30E-07
4124	480863.09	3855377.25	9.77E-04	9.97E-04	9.96E-04	3.38E-07	1.02E-06	5.91E-07	6.03E-07	5.47E-07	2.50E-07	2.49E-07	0.00E+00	0.00E+00	1.09E-07	2.05E-08	1.30E-07	2.00E-08	1.93E-08	2.99E-07
4125	481363.09	3855377.25	1.14E-03	1.16E-03	1.16E-03	3.95E-07	1.19E-06	6.90E-07	7.04E-07	6.38E-07	2.91E-07	2.91E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.52E-07	2.34E-08	2.25E-08	3.48E-07
4126	481863.09	3855377.25	1.20E-03	1.22E-03	1.22E-03	4.15E-07	1.25E-06	7.25E-07	7.39E-07	6.70E-07	3.06E-07	3.05E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.59E-07	2.46E-08	2.37E-08	3.66E-07
4127	482363.09	3855377.25	1.19E-03	1.22E-03	1.22E-03	4.13E-07	1.25E-06	7.21E-07	7.36E-07	6.67E-07	3.04E-07	3.04E-07	0.00E+00	0.00E+00	1.33E-07	2.50E-08	1.59E-07	2.44E-08	2.35E-08	3.64E-07
4128	482863.09	3855377.25	1.19E-03	1.21E-03	1.21E-03	4.10E-07	1.24E-06	7.17E-07	7.32E-07	6.63E-07	3.03E-07	3.02E-07	0.00E+00	0.00E+00	1.32E-07	2.48E-08	1.58E-07	2.43E-08	2.34E-08	3.62E-07
4129	483363.09	3855377.25	1.19E-03	1.21E-03	1.21E-03	4.12E-07	1.24E-06	7.20E-07	7.34E-07	6.66E-07	3.04E-07	3.03E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.35E-08	3.63E-07
4130	483863.09	3855377.25	1.20E-03	1.22E-03	1.22E-03	4.14E-07	1.25E-06	7.24E-07	7.39E-07	6.70E-07	3.06E-07	3.05E-07	0.00E+00	0.00E+00	1.33E-07	2.51E-08	1.59E-07	2.46E-08	2.36E-08	3.66E-07
4131	484363.09	3855377.25	1.19E-03	1.22E-03	1.22E-03	4.13E-07	1.25E-06	7.22E-07	7.37E-07	6.68E-07	3.05E-07	3.05E-07	0.00E+00	0.00E+00	1.33E-07	2.50E-08	1.59E-07	2.45E-08	2.36E-08	3.65E-07
4132	484863.09	3855377.25	1.17E-03	1.20E-03	1.20E-03	4.06E-07	1.23E-06	7.10E-07	7.24E-07	6.57E-07	3.00E-07	2.99E-07	0.00E+00	0.00E+00	1.31E-07	2.46E-08	1.56E-07	2.41E-08	2.32E-08	3.58E-07
4133	485363.09	3855377.25	1.16E-03	1.18E-03	1.18E-03	4.00E-07	1.21E-06	6.99E-07	7.13E-07	6.47E-07	2.95E-07	2.95E-07	0.00E+00	0.00E+00	1.29E-07	2.42E-08	1.54E-07	2.37E-08	2.28E-08	3.53E-07
4134	485863.09	3855377.25	1.09E-03	1.12E-03	1.12E-03	3.79E-07	1.14E-06	6.62E-07	6.76E-07	6.12E-07	2.79E-07	2.79E-07	0.00E+00	0.00E+00	1.22E-07	2.29E-08	1.45E-07	2.24E-08	2.16E-08	3.34E-07
4135	486363.09	3855377.25	1.05E-03	1.07E-03	1.07E-03	3.64E-07	1.10E-06	6.36E-07	6.49E-07	5.88E-07	2.68E-07	2.68E-07	0.00E+00	0.00E+00	1.17E-07	2.20E-08	1.40E-07	2.16E-08	2.08E-08	3.21E-07
4136	486863.09	3855377.25	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.15E-07	6.28E-07	5.69E-07	2.60E-07	2.59E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.09E-08	2.01E-08	3.11E-07
4137	487363.09	3855377.25	1.06E-03	1.08E-03	1.08E-03	3.66E-07	1.10E-06	6.39E-07	6.52E-07	5.91E-07	2.70E-07	2.69E-07	0.00E+00	0.00E+00	1.18E-07	2.21E-08	1.40E-07	2.17E-08	2.09E-08	3.23E-07

4138	487863.09	3855377.25	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.60E-07	6.73E-07	6.10E-07	2.78E-07	2.78E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.24E-08	2.15E-08	3.33E-07
4139	488363.09	3855377.25	1.10E-03	1.12E-03	1.12E-03	3.81E-07	1.15E-06	6.65E-07	6.79E-07	6.15E-07	2.81E-07	2.80E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.17E-08	3.36E-07
4140	488863.09	3855377.25	1.08E-03	1.10E-03	1.10E-03	3.74E-07	1.13E-06	6.54E-07	6.67E-07	6.05E-07	2.76E-07	2.76E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.44E-07	2.22E-08	2.13E-08	3.30E-07
4141	489363.09	3855377.25	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.08E-06	6.28E-07	6.41E-07	5.81E-07	2.65E-07	2.65E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.38E-07	2.13E-08	2.05E-08	3.17E-07
4142	489863.09	3855377.25	9.89E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.98E-07	6.11E-07	5.53E-07	2.53E-07	2.52E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.32E-07	2.03E-08	1.95E-08	3.02E-07
4143	490363.09	3855377.25	9.72E-04	9.91E-04	9.90E-04	3.36E-07	1.02E-06	5.88E-07	6.00E-07	5.44E-07	2.48E-07	2.48E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.29E-07	1.99E-08	1.92E-08	2.97E-07
4144	490863.09	3855377.25	7.69E-04	7.85E-04	7.84E-04	2.66E-07	8.04E-07	4.65E-07	4.75E-07	4.30E-07	1.96E-07	1.96E-07	0.00E+00	0.00E+00	8.56E-08	1.61E-08	1.02E-07	1.58E-08	1.52E-08	2.35E-07
4145	491363.09	3855377.25	6.94E-04	7.08E-04	7.07E-04	2.40E-07	7.25E-07	4.20E-07	4.28E-07	3.88E-07	1.77E-07	1.77E-07	0.00E+00	0.00E+00	7.72E-08	1.45E-08	9.22E-08	1.42E-08	1.37E-08	2.12E-07
4146	491863.09	3855377.25	8.69E-04	8.87E-04	8.86E-04	3.01E-07	9.08E-07	5.26E-07	5.37E-07	4.86E-07	2.22E-07	2.22E-07	0.00E+00	0.00E+00	9.67E-08	1.82E-08	1.16E-07	1.78E-08	1.72E-08	2.65E-07
4147	492363.09	3855377.25	8.60E-04	8.78E-04	8.77E-04	2.98E-07	8.99E-07	5.20E-07	5.31E-07	4.81E-07	2.20E-07	2.19E-07	0.00E+00	0.00E+00	9.57E-08	1.80E-08	1.14E-07	1.76E-08	1.70E-08	2.63E-07
4148	492863.09	3855377.25	8.32E-04	8.49E-04	8.48E-04	2.88E-07	8.70E-07	5.04E-07	5.14E-07	4.66E-07	2.13E-07	2.12E-07	0.00E+00	0.00E+00	9.27E-08	1.74E-08	1.11E-07	1.71E-08	1.64E-08	2.54E-07
4149	493363.09	3855377.25	7.79E-04	7.95E-04	7.94E-04	2.70E-07	8.15E-07	4.72E-07	4.81E-07	4.36E-07	1.99E-07	1.99E-07	0.00E+00	0.00E+00	8.68E-08	1.63E-08	1.04E-07	1.60E-08	1.54E-08	2.38E-07
4150	493863.09	3855377.25	6.73E-04	6.87E-04	6.86E-04	2.33E-07	7.04E-07	4.07E-07	4.16E-07	3.77E-07	1.72E-07	1.72E-07	0.00E+00	0.00E+00	7.49E-08	1.41E-08	8.95E-08	1.38E-08	1.33E-08	2.06E-07
4151	494363.09	3855377.25	5.45E-04	5.57E-04	5.56E-04	1.89E-07	5.70E-07	3.30E-07	3.37E-07	3.05E-07	1.39E-07	1.39E-07	0.00E+00	0.00E+00	6.07E-08	1.14E-08	7.25E-08	1.12E-08	1.08E-08	1.67E-07
4152	494863.09	3855377.25	4.19E-04	4.27E-04	4.27E-04	1.45E-07	4.38E-07	2.53E-07	2.59E-07	2.34E-07	1.07E-07	1.07E-07	0.00E+00	0.00E+00	4.66E-08	8.78E-09	5.57E-08	8.59E-09	8.27E-09	1.28E-07
4153	495363.09	3855377.25	3.33E-04	3.40E-04	3.40E-04	1.15E-07	3.48E-07	2.02E-07	2.06E-07	1.87E-07	8.51E-08	8.50E-08	0.00E+00	0.00E+00	3.71E-08	6.98E-09	4.43E-08	6.83E-09	6.58E-09	1.02E-07
4154	495863.09	3855377.25	2.81E-04	2.86E-04	2.86E-04	9.71E-08	2.93E-07	1.70E-07	1.73E-07	1.57E-07	7.16E-08	7.16E-08	0.00E+00	0.00E+00	3.12E-08	5.88E-09	3.73E-08	5.75E-09	5.54E-09	8.57E-08
4155	496363.09	3855377.25	2.77E-04	2.82E-04	2.82E-04	9.58E-08	2.89E-07	1.67E-07	1.71E-07	1.55E-07	7.07E-08	7.06E-08	0.00E+00	0.00E+00	3.08E-08	5.80E-09	3.68E-08	5.67E-09	5.47E-09	8.45E-08
4156	496863.09	3855377.25	2.76E-04	2.81E-04	2.81E-04	9.55E-08	2.88E-07	1.67E-07	1.70E-07	1.54E-07	7.04E-08	7.04E-08	0.00E+00	0.00E+00	3.07E-08	5.78E-09	3.67E-08	5.66E-09	5.45E-09	8.43E-08
4157	497363.09	3855377.25	2.87E-04	2.93E-04	2.93E-04	9.95E-08	3.00E-07	1.74E-07	1.77E-07	1.61E-07	7.34E-08	7.33E-08	0.00E+00	0.00E+00	3.20E-08	6.02E-09	3.82E-08	5.89E-09	5.67E-09	8.78E-08
4158	497863.09	3855377.25	3.10E-04	3.16E-04	3.16E-04	1.07E-07	3.24E-07	1.88E-07	1.91E-07	1.73E-07	7.92E-08	7.91E-08	0.00E+00	0.00E+00	3.45E-08	6.50E-09	4.12E-08	6.36E-09	6.12E-09	9.47E-08
4159	498363.09	3855377.25	3.39E-04	3.45E-04	3.45E-04	1.17E-07	3.54E-07	2.05E-07	2.09E-07	1.89E-07	8.65E-08	8.64E-08	0.00E+00	0.00E+00	3.77E-08	7.10E-09	4.50E-08	6.94E-09	6.69E-09	1.03E-07
4160	471363.09	3855877.25	3.72E-04	3.80E-04	3.79E-04	1.29E-07	3.89E-07	2.25E-07	2.30E-07	2.08E-07	9.50E-08	9.49E-08	0.00E+00	0.00E+00	4.14E-08	7.80E-09	4.95E-08	7.63E-09	7.35E-09	1.14E-07
4161	471863.09	3855877.25	3.89E-04	3.97E-04	3.96E-04	1.35E-07	4.07E-07	2.35E-07	2.40E-07	2.18E-07	9.93E-08	9.92E-08	0.00E+00	0.00E+00	4.33E-08	8.15E-09	5.17E-08	7.98E-09	7.68E-09	1.19E-07
4162	472363.09	3855877.25	4.24E-04	4.33E-04	4.32E-04	1.47E-07	4.43E-07	2.57E-07	2.62E-07	2.37E-07	1.08E-07	1.08E-07	0.00E+00	0.00E+00	4.72E-08	8.89E-09	5.64E-08	8.70E-09	8.38E-09	1.30E-07
4163	472863.09	3855877.25	4.30E-04	4.39E-04	4.38E-04	1.49E-07	4.49E-07	2.60E-07	2.65E-07	2.41E-07	1.10E-07	1.10E-07	0.00E+00	0.00E+00	4.79E-08	9.01E-09	5.72E-08	8.82E-09	8.49E-09	1.31E-07
4164	473363.09	3855877.25	4.71E-04	4.80E-04	4.80E-04	1.63E-07	4.92E-07	2.85E-07	2.91E-07	2.64E-07	1.20E-07	1.20E-07	0.00E+00	0.00E+00	5.24E-08	9.87E-09	6.26E-08	9.66E-09	9.30E-09	1.44E-07
4165	473863.09	3855877.25	4.99E-04	5.09E-04	5.08E-04	1.73E-07	5.21E-07	3.02E-07	3.08E-07	2.79E-07	1.27E-07	1.27E-07	0.00E+00	0.00E+00	5.55E-08	1.05E-08	6.63E-08	1.02E-08	9.85E-09	1.52E-07
4166	474363.09	3855877.25	5.14E-04	5.24E-04	5.23E-04	1.78E-07	5.37E-07	3.11E-07	3.17E-07	2.87E-07	1.31E-07	1.31E-07	0.00E+00	0.00E+00	5.72E-08	1.08E-08	6.83E-08	1.05E-08	1.01E-08	1.57E-07
4167	474863.09	3855877.25	4.11E-04	4.19E-04	4.19E-04	1.42E-07	4.30E-07	2.49E-07	2.54E-07	2.30E-07	1.05E-07	1.05E-07	0.00E+00	0.00E+00	4.58E-08	8.61E-09	5.47E-08	8.43E-09	8.12E-09	1.26E-07
4168	475363.09	3855877.25	2.36E-04	2.41E-04	2.40E-04	8.16E-08	2.46E-07	1.43E-07	1.46E-07	1.32E-07	6.02E-08	6.01E-08	0.00E+00	0.00E+00	2.62E-08	4.94E-09	3.13E-08	4.83E-09	4.66E-09	7.20E-08
4169	475863.09	3855877.25	6.84E-05	6.98E-05	6.97E-05	2.37E-08	7.15E-08	4.14E-08	4.22E-08	3.83E-08	1.75E-08	1.74E-08	0.00E+00	0.00E+00	7.61E-09	1.43E-09	9.09E-09	1.40E-09	1.35E-09	2.09E-08
4170	476363.09	3855877.25	7.19E-05	7.34E-05	7.33E-05	2.49E-08	7.51E-08	4.35E-08	4.44E-08	4.02E-08	1.84E-08	1.83E-08	0.00E+00	0.00E+00	8.00E-09	1.51E-09	9.56E-09	1.47E-09	1.42E-09	2.20E-08
4171	476863.09	3855877.25	1.29E-04	1.31E-04	1.31E-04	4.46E-08	1.35E-07	7.79E-08	7.95E-08	7.21E-08	3.29E-08	3.28E-08	0.00E+00	0.00E+00	1.43E-08	2.70E-09	1.71E-08	2.64E-09	2.54E-09	3.93E-08
4172	477363.09	3855877.25	1.64E-04	1.67E-04	1.67E-04	5.68E-08	1.72E-07	9.93E-08	1.01E-07	9.19E-08	4.19E-08	4.19E-08	0.00E+00	0.00E+00	1.83E-08	3.44E-09	2.18E-08	3.37E-09	3.24E-09	5.01E-08
4173	477863.09	3855877.25	2.10E-04	2.15E-04	2.14E-04	7.28E-08	2.20E-07	1.27E-07	1.30E-07	1.18E-07	5.37E-08	5.37E-08	0.00E+00	0.00E+00	2.34E-08	4.41E-09	2.80E-08	4.31E-09	4.16E-09	6.43E-08
4174	478363.09	3855877.25	2.79E-04	2.85E-04	2.85E-04	9.67E-08	2.92E-07	1.69E-07	1.72E-07	1.56E-07	7.13E-08	7.13E-08	0.00E+00	0.00E+00	3.11E-08	5.85E-09	3.71E-08	5.73E-09	5.52E-09	8.53E-08
4175	478863.09	3855877.25	3.70E-04	3.77E-04	3.77E-04	1.28E-07	3.87E-07	2.24E-07	2.28E-07	2.07E-07	9.44E-08	9.43E-08	0.00E+00	0.00E+00	4.12E-08	7.75E-09	4.92E-08	7.58E-09	7.30E-09	1.13E-07
4176	479363.09	3855877.25	4.83E-04	4.93E-04	4.93E-04	1.67E-07	5.05E-07	2.92E-07	2.98E-07	2.70E-07	1.23E-07	1.23E-07	0.00E+00	0.00E+00	5.38E-08	1.01E-08	6.43E-08	9.91E-09	9.54E-09	1.48E-07
4177	479863.09	3855877.25	5.78E-04	5.89E-04	5.89E-04	2.00E-07	6.04E-07	3.49E-07	3.57E-07	3.23E-07	1.47E-07	1.47E-07	0.00E+00	0.00E+00	6.43E-08	1.21E-08	7.68E-08	1.18E-08	1.14E-08	1.76E-07
4178	480363.09	3855877.25	7.01E-04	7.15E-04	7.14E-04	2.43E-07	7.32E-07	4.24E-07	4.33E-07	3.92E-07	1.79E-07	1.79E-07	0.00E+00	0.00E+00	7.80E-08	1.47E-08	9.32E-08	1.44E-08	1.38E-08	2.14E-07
4179	480863.09	3855877.25	8.31E-04	8.48E-04	8.47E-04	2.88E-07	8.69E-07	5.03E-07	5.13E-07	4.65E-07	2.12E-07	2.12E-07	0.00E+00	0.00E+00	9.25E-08	1.74E-08	1.11E-07	1.70E-08	1.64E-08	2.54E-07
4180	481363.09	3855877.25	8.27E-04	8.44E-04	8.43E-04	2.86E-07	8.64E-07	5.00E-07	5.11E-07	4.63E-07	2.11E-07	2.11E-07	0.00E+00	0.00E+00	9.20E-08	1.73E-08	1.10E-07	1.70E-08	1.63E-08	2.53E-07
4181	481863.09	3855877.25	9.80E-04	1.00E-03	9.99E-04	3.39E-07	1.02E-06	5.93E-07	6.05E-07	5.48E-07	2.50E-07	2.50E-07	0.00E+00	0.00E+00	1.09E-07	2.05E-08	1.30E-07	2.01E-08	1.94E-08	2.99E-07
4182	482363.09	3855877.25	9.82E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.94E-07	6.06E-07	5.50E-07	2.51E-07	2.51E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.01E-08	1.94E-08	3.00E-07
4183	482863.09	3855877.25	9.89E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.98E-07	6.11E-07	5.53E-07	2.53E-07	2.52E-07	0.00E+00	0.00E+00	1.10E-07	2.07E-08	1.32E-07	2.03E-08	1.95E-08	3.02E-07
4184	483363.09	3855877.25	1.01E-03	1.03E-03	1.03E-03	3.49E-07	1.05E-06	6.09E-07	6.22E-07	5.64E-07	2.57E-07	2.57E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.07E-08	1.99E-08	3.08E-07
4185	483863.09	3855877.25	1.01E-03	1.03E-03	1.02E-03	3.48E-07	1.05E-06	6.08E-07	6.21E-07	5.63E-07	2.57E-07	2.56E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.06E-08	1.99E-08	3.07E-07
4186	484363.09	3855877.25	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.25E-07	6.37E-07	5.78E-07	2.64E-07	2.63E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.12E-08	2.04E-08	3.15E-07
4187	484863.09	3855877.25	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.25E-07	6.37E-07	5.78E-07	2.64E-07	2.63E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.12E-08	2.04E-08	3.15E-07
4188	485363.09	3855877.25	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.15E-07	6.27E-07	5.69E-07	2.60E-07	2.59E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.08E-08	2.01E-08	3.10E-07
4189	485863.09	3855877.25	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.15E-07	6.28E-07	5.69E-07	2.60E-07	2.59E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.09E-08	2.01E-08	3.11E-07
4190	486363.09	3855877.25	9.51E-04	9.71E-04	9.69E-04	3.29E-07	9.94E-07	5.76E-07	5.87E-07	5.32E-07	2.43E-07	2.43E-07	0.00E+00	0.00E+00	1.06E-07	1.99E-08	1.26E-07	1.95E-08	1.88E-08	2.91E-07
4191	486863.09	3855877.25	9.22E-04	9.41E-04	9.40E-04	3.19E-07	9.64E-07	5.58E-07	5.69E-07	5.16E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.03E-07	1.93E-08	1.23E-07	1.89E-08	1.82E-08	2.82E-07
4192	487363.09	3855877.25	9.45E-04	9.64E-04	9.63E-04	3.27E-07	9.87E-07	5.72E-07	5.83E-07	5.29E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.87E-08	2.89E-07
4193	487863.09	3855877.25	9.60E-04	9.80E-04	9.79E-04	3.32E-07	1.00E-06	5.81E-07	5.93E-07	5.37E-07	2.45E-07	2.45E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.28E-07	1.97E-08	1.90E-08	2.93E-07

4194	488363.09	3855877.25	9.82E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.94E-07	6.07E-07	5.50E-07	2.51E-07	2.51E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.01E-08	1.94E-08	3.00E-07
4195	488863.09	3855877.25	9.96E-04	1.02E-03	1.01E-03	3.45E-07	1.04E-06	6.02E-07	6.15E-07	5.57E-07	2.54E-07	2.54E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.32E-07	2.04E-08	1.97E-08	3.04E-07
4196	489363.09	3855877.25	9.78E-04	9.98E-04	9.97E-04	3.39E-07	1.02E-06	5.92E-07	6.04E-07	5.47E-07	2.50E-07	2.49E-07	0.00E+00	0.00E+00	1.09E-07	2.05E-08	1.30E-07	2.01E-08	1.93E-08	2.99E-07
4197	489863.09	3855877.25	9.47E-04	9.66E-04	9.65E-04	3.28E-07	9.90E-07	5.73E-07	5.85E-07	5.30E-07	2.42E-07	2.42E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.87E-08	2.89E-07
4198	490363.09	3855877.25	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.60E-07	5.56E-07	5.67E-07	5.14E-07	2.35E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.81E-07
4199	490863.09	3855877.25	8.70E-04	8.88E-04	8.87E-04	3.01E-07	9.09E-07	5.26E-07	5.37E-07	4.87E-07	2.22E-07	2.22E-07	0.00E+00	0.00E+00	9.68E-08	1.82E-08	1.16E-07	1.78E-08	1.72E-08	2.66E-07
4200	491363.09	3855877.25	7.95E-04	8.12E-04	8.11E-04	2.75E-07	8.31E-07	4.81E-07	4.91E-07	4.45E-07	2.03E-07	2.03E-07	0.00E+00	0.00E+00	8.85E-08	1.67E-08	1.06E-07	1.63E-08	1.57E-08	2.43E-07
4201	491863.09	3855877.25	8.29E-04	8.46E-04	8.45E-04	2.87E-07	8.67E-07	5.02E-07	5.12E-07	4.64E-07	2.12E-07	2.12E-07	0.00E+00	0.00E+00	9.23E-08	1.74E-08	1.10E-07	1.70E-08	1.64E-08	2.53E-07
4202	492363.09	3855877.25	7.96E-04	8.13E-04	8.12E-04	2.76E-07	8.32E-07	4.82E-07	4.92E-07	4.46E-07	2.03E-07	2.03E-07	0.00E+00	0.00E+00	8.87E-08	1.67E-08	1.06E-07	1.63E-08	1.57E-08	2.43E-07
4203	492863.09	3855877.25	7.69E-04	7.85E-04	7.84E-04	2.66E-07	8.04E-07	4.65E-07	4.75E-07	4.30E-07	1.96E-07	1.96E-07	0.00E+00	0.00E+00	8.56E-08	1.61E-08	1.02E-07	1.58E-08	1.52E-08	2.35E-07
4204	493363.09	3855877.25	6.70E-04	6.84E-04	6.83E-04	2.32E-07	7.00E-07	4.05E-07	4.14E-07	3.75E-07	1.71E-07	1.71E-07	0.00E+00	0.00E+00	7.46E-08	1.40E-08	8.91E-08	1.37E-08	1.32E-08	2.05E-07
4205	493863.09	3855877.25	5.39E-04	5.50E-04	5.49E-04	1.86E-07	5.63E-07	3.26E-07	3.33E-07	3.01E-07	1.38E-07	1.37E-07	0.00E+00	0.00E+00	6.00E-08	1.13E-08	7.16E-08	1.10E-08	1.06E-08	1.65E-07
4206	494363.09	3855877.25	4.10E-04	4.19E-04	4.18E-04	1.42E-07	4.29E-07	2.48E-07	2.53E-07	2.30E-07	1.05E-07	1.05E-07	0.00E+00	0.00E+00	4.57E-08	8.60E-09	5.45E-08	8.41E-09	8.10E-09	1.25E-07
4207	494863.09	3855877.25	3.24E-04	3.31E-04	3.31E-04	1.12E-07	3.39E-07	1.96E-07	2.00E-07	1.82E-07	8.29E-08	8.28E-08	0.00E+00	0.00E+00	3.61E-08	6.80E-09	4.31E-08	6.65E-09	6.41E-09	9.91E-08
4208	495363.09	3855877.25	2.44E-04	2.49E-04	2.48E-04	8.44E-08	2.55E-07	1.47E-07	1.50E-07	1.36E-07	6.22E-08	6.22E-08	0.00E+00	0.00E+00	2.71E-08	5.11E-09	3.24E-08	5.00E-09	4.81E-09	7.44E-08
4209	495863.09	3855877.25	2.47E-04	2.52E-04	2.51E-04	8.54E-08	2.58E-07	1.49E-07	1.52E-07	1.38E-07	6.30E-08	6.29E-08	0.00E+00	0.00E+00	2.75E-08	5.17E-09	3.28E-08	5.06E-09	4.87E-09	7.53E-08
4210	496363.09	3855877.25	2.53E-04	2.59E-04	2.58E-04	8.77E-08	2.65E-07	1.53E-07	1.56E-07	1.42E-07	6.47E-08	6.46E-08	0.00E+00	0.00E+00	2.82E-08	5.31E-09	3.37E-08	5.20E-09	5.01E-09	7.74E-08
4211	496863.09	3855877.25	2.73E-04	2.78E-04	2.78E-04	9.44E-08	2.85E-07	1.65E-07	1.68E-07	1.53E-07	6.96E-08	6.95E-08	0.00E+00	0.00E+00	3.03E-08	5.71E-09	3.62E-08	5.59E-09	5.38E-09	8.33E-08
4212	497363.09	3855877.25	2.95E-04	3.01E-04	3.00E-04	1.02E-07	3.08E-07	1.78E-07	1.82E-07	1.65E-07	7.53E-08	7.52E-08	0.00E+00	0.00E+00	3.28E-08	6.18E-09	3.92E-08	6.04E-09	5.82E-09	9.00E-08
4213	497863.09	3855877.25	3.23E-04	3.30E-04	3.29E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.81E-07	8.26E-08	8.25E-08	0.00E+00	0.00E+00	3.60E-08	6.77E-09	4.30E-08	6.63E-09	6.38E-09	9.88E-08
4214	498363.09	3855877.25	3.77E-04	3.85E-04	3.85E-04	1.31E-07	3.95E-07	2.28E-07	2.33E-07	2.11E-07	9.64E-08	9.63E-08	0.00E+00	0.00E+00	4.20E-08	7.91E-09	5.02E-08	7.74E-09	7.46E-09	1.15E-07
4215	471363.09	3856377.25	3.58E-04	3.66E-04	3.65E-04	1.24E-07	3.75E-07	2.17E-07	2.21E-07	2.01E-07	9.15E-08	9.14E-08	0.00E+00	0.00E+00	3.99E-08	7.51E-09	4.76E-08	7.35E-09	7.08E-09	1.09E-07
4216	471863.09	3856377.25	3.72E-04	3.80E-04	3.79E-04	1.29E-07	3.89E-07	2.25E-07	2.30E-07	2.08E-07	9.50E-08	9.49E-08	0.00E+00	0.00E+00	4.14E-08	7.80E-09	4.95E-08	7.63E-09	7.35E-09	1.14E-07
4217	472363.09	3856377.25	3.96E-04	4.04E-04	4.04E-04	1.37E-07	4.14E-07	2.40E-07	2.45E-07	2.22E-07	1.01E-07	1.01E-07	0.00E+00	0.00E+00	4.41E-08	8.31E-09	5.27E-08	8.13E-09	7.83E-09	1.21E-07
4218	472863.09	3856377.25	4.23E-04	4.32E-04	4.31E-04	1.46E-07	4.42E-07	2.56E-07	2.61E-07	2.37E-07	1.08E-07	1.08E-07	0.00E+00	0.00E+00	4.71E-08	8.87E-09	5.63E-08	8.68E-09	8.36E-09	1.29E-07
4219	473363.09	3856377.25	4.46E-04	4.55E-04	4.54E-04	1.54E-07	4.66E-07	2.70E-07	2.75E-07	2.49E-07	1.14E-07	1.14E-07	0.00E+00	0.00E+00	4.96E-08	9.34E-09	5.92E-08	9.14E-09	8.80E-09	1.36E-07
4220	473863.09	3856377.25	4.84E-04	4.93E-04	4.93E-04	1.67E-07	5.05E-07	2.93E-07	2.99E-07	2.71E-07	1.23E-07	1.23E-07	0.00E+00	0.00E+00	5.38E-08	1.01E-08	6.43E-08	9.92E-09	9.55E-09	1.48E-07
4221	474363.09	3856377.25	4.74E-04	4.83E-04	4.83E-04	1.64E-07	4.95E-07	2.87E-07	2.92E-07	2.65E-07	1.21E-07	1.21E-07	0.00E+00	0.00E+00	5.27E-08	9.92E-09	6.30E-08	9.71E-09	9.35E-09	1.45E-07
4222	474863.09	3856377.25	4.42E-04	4.51E-04	4.51E-04	1.53E-07	4.62E-07	2.68E-07	2.73E-07	2.48E-07	1.13E-07	1.13E-07	0.00E+00	0.00E+00	4.92E-08	9.27E-09	5.88E-08	9.07E-09	8.74E-09	1.35E-07
4223	475363.09	3856377.25	3.52E-04	3.59E-04	3.59E-04	1.22E-07	3.68E-07	2.13E-07	2.17E-07	1.97E-07	8.99E-08	8.97E-08	0.00E+00	0.00E+00	3.92E-08	7.37E-09	4.68E-08	7.22E-09	6.95E-09	1.07E-07
4224	475863.09	3856377.25	2.22E-04	2.26E-04	2.26E-04	7.67E-08	2.32E-07	1.34E-07	1.37E-07	1.24E-07	5.66E-08	5.65E-08	0.00E+00	0.00E+00	2.47E-08	4.64E-09	2.95E-08	4.54E-09	4.38E-09	6.77E-08
4225	476363.09	3856377.25	1.98E-04	2.02E-04	2.02E-04	6.86E-08	2.07E-07	1.20E-07	1.22E-07	1.11E-07	5.06E-08	5.06E-08	0.00E+00	0.00E+00	2.21E-08	4.16E-09	2.64E-08	4.07E-09	3.92E-09	6.06E-08
4226	476863.09	3856377.25	1.97E-04	2.01E-04	2.01E-04	6.81E-08	2.06E-07	1.19E-07	1.22E-07	1.10E-07	5.03E-08	5.02E-08	0.00E+00	0.00E+00	2.19E-08	4.13E-09	2.62E-08	4.04E-09	3.89E-09	6.01E-08
4227	477363.09	3856377.25	2.05E-04	2.10E-04	2.09E-04	7.11E-08	2.15E-07	1.24E-07	1.27E-07	1.15E-07	5.25E-08	5.24E-08	0.00E+00	0.00E+00	2.29E-08	4.30E-09	2.73E-08	4.21E-09	4.06E-09	6.27E-08
4228	477863.09	3856377.25	1.44E-04	1.47E-04	1.47E-04	4.98E-08	1.50E-07	8.70E-08	8.88E-08	8.05E-08	3.67E-08	3.67E-08	0.00E+00	0.00E+00	1.60E-08	3.01E-09	1.91E-08	2.95E-09	2.84E-09	4.39E-08
4229	478363.09	3856377.25	1.15E-04	1.17E-04	1.17E-04	3.98E-08	1.20E-07	6.95E-08	7.10E-08	6.43E-08	2.93E-08	2.93E-08	0.00E+00	0.00E+00	1.28E-08	2.41E-09	1.53E-08	2.36E-09	2.27E-09	3.51E-08
4230	478863.09	3856377.25	2.75E-04	2.81E-04	2.80E-04	9.52E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.02E-08	7.01E-08	0.00E+00	0.00E+00	3.06E-08	5.76E-09	3.66E-08	5.64E-09	5.43E-09	8.40E-08
4231	479363.09	3856377.25	3.56E-04	3.63E-04	3.62E-04	1.23E-07	3.72E-07	2.15E-07	2.20E-07	1.99E-07	9.08E-08	9.07E-08	0.00E+00	0.00E+00	3.96E-08	7.45E-09	4.73E-08	7.29E-09	7.02E-09	1.09E-07
4232	479863.09	3856377.25	5.30E-04	5.41E-04	5.40E-04	1.84E-07	5.54E-07	3.21E-07	3.27E-07	2.97E-07	1.35E-07	1.35E-07	0.00E+00	0.00E+00	5.90E-08	1.11E-08	7.05E-08	1.09E-08	1.05E-08	1.62E-07
4233	480363.09	3856377.25	6.80E-04	6.94E-04	6.93E-04	2.35E-07	7.11E-07	4.11E-07	4.20E-07	3.80E-07	1.74E-07	1.73E-07	0.00E+00	0.00E+00	7.57E-08	1.42E-08	9.04E-08	1.39E-08	1.34E-08	2.08E-07
4234	480863.09	3856377.25	7.66E-04	7.81E-04	7.81E-04	2.65E-07	8.00E-07	4.63E-07	4.73E-07	4.29E-07	1.96E-07	1.95E-07	0.00E+00	0.00E+00	8.52E-08	1.60E-08	1.02E-07	1.57E-08	1.51E-08	2.34E-07
4235	481363.09	3856377.25	8.22E-04	8.39E-04	8.38E-04	2.84E-07	8.59E-07	4.97E-07	5.07E-07	4.60E-07	2.10E-07	2.10E-07	0.00E+00	0.00E+00	9.15E-08	1.72E-08	1.09E-07	1.69E-08	1.62E-08	2.51E-07
4236	481863.09	3856377.25	8.55E-04	8.72E-04	8.71E-04	2.96E-07	8.93E-07	5.17E-07	5.28E-07	4.78E-07	2.18E-07	2.18E-07	0.00E+00	0.00E+00	9.52E-08	1.79E-08	1.14E-07	1.75E-08	1.69E-08	2.61E-07
4237	482363.09	3856377.25	8.48E-04	8.65E-04	8.64E-04	2.94E-07	8.86E-07	5.13E-07	5.24E-07	4.75E-07	2.17E-07	2.16E-07	0.00E+00	0.00E+00	9.44E-08	1.78E-08	1.13E-07	1.74E-08	1.68E-08	2.59E-07
4238	482863.09	3856377.25	8.50E-04	8.68E-04	8.67E-04	2.94E-07	8.89E-07	5.15E-07	5.25E-07	4.76E-07	2.17E-07	2.17E-07	0.00E+00	0.00E+00	9.47E-08	1.78E-08	1.13E-07	1.74E-08	1.68E-08	2.60E-07
4239	483363.09	3856377.25	8.68E-04	8.86E-04	8.85E-04	3.00E-07	9.07E-07	5.25E-07	5.36E-07	4.86E-07	2.22E-07	2.21E-07	0.00E+00	0.00E+00	9.66E-08	1.82E-08	1.15E-07	1.78E-08	1.71E-08	2.65E-07
4240	483863.09	3856377.25	8.83E-04	9.01E-04	8.99E-04	3.05E-07	9.22E-07	5.34E-07	5.45E-07	4.94E-07	2.25E-07	2.25E-07	0.00E+00	0.00E+00	9.82E-08	1.85E-08	1.17E-07	1.81E-08	1.74E-08	2.70E-07
4241	484363.09	3856377.25	9.04E-04	9.22E-04	9.21E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.89E-08	1.20E-07	1.85E-08	1.79E-08	2.76E-07
4242	484863.09	3856377.25	9.30E-04	9.49E-04	9.48E-04	3.22E-07	9.72E-07	5.63E-07	5.74E-07	5.20E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.04E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.84E-07
4243	485363.09	3856377.25	9.36E-04	9.55E-04	9.54E-04	3.24E-07	9.78E-07	5.66E-07	5.78E-07	5.24E-07	2.39E-07	2.39E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.85E-08	2.86E-07
4244	485863.09	3856377.25	9.21E-04	9.40E-04	9.39E-04	3.19E-07	9.63E-07	5.57E-07	5.69E-07	5.16E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.03E-07	1.93E-08	1.22E-07	1.89E-08	1.82E-08	2.81E-07
4245	486363.09	3856377.25	9.04E-04	9.23E-04	9.22E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.20E-07	1.85E-08	1.79E-08	2.76E-07
4246	486863.09	3856377.25	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.90E-08	1.86E-08	1.18E-07	1.82E-08	1.76E-08	2.72E-07
4247	487363.09	3856377.25	8.88E-04	9.06E-04	9.05E-04	3.07E-07	9.28E-07	5.37E-07	5.48E-07	4.97E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.89E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
4248	487863.09	3856377.25	8.98E-04	9.16E-04	9.15E-04	3.11E-07	9.38E-07	5.43E-07	5.54E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.99E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
4249	488363.09	3856377.25	8.94E-04	9.12E-04	9.11E-04	3.09E-07	9.34E-07	5.41E-07	5.52E-07	5.00E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.95E-08	1.87E-08	1.19E-07	1.83E-08	1.77E-08	2.73E-07

4250	488863.09	3856377.25	9.16E-04	9.35E-04	9.34E-04	3.17E-07	9.58E-07	5.54E-07	5.66E-07	5.13E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
4251	489363.09	3856377.25	9.20E-04	9.39E-04	9.38E-04	3.18E-07	9.62E-07	5.57E-07	5.68E-07	5.15E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.22E-07	1.89E-08	1.82E-08	2.81E-07
4252	489863.09	3856377.25	9.09E-04	9.28E-04	9.27E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.86E-08	1.80E-08	2.78E-07
4253	490363.09	3856377.25	8.86E-04	9.04E-04	9.03E-04	3.07E-07	9.26E-07	5.36E-07	5.47E-07	4.96E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.87E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
4254	490863.09	3856377.25	8.53E-04	8.70E-04	8.69E-04	2.95E-07	8.92E-07	5.16E-07	5.27E-07	4.77E-07	2.18E-07	2.18E-07	0.00E+00	0.00E+00	9.50E-08	1.79E-08	1.13E-07	1.75E-08	1.68E-08	2.61E-07
4255	491363.09	3856377.25	8.24E-04	8.41E-04	8.40E-04	2.85E-07	8.61E-07	4.99E-07	5.09E-07	4.61E-07	2.10E-07	2.10E-07	0.00E+00	0.00E+00	9.17E-08	1.73E-08	1.10E-07	1.69E-08	1.63E-08	2.52E-07
4256	491863.09	3856377.25	7.93E-04	8.09E-04	8.08E-04	2.74E-07	8.28E-07	4.80E-07	4.89E-07	4.44E-07	2.02E-07	2.02E-07	0.00E+00	0.00E+00	8.82E-08	1.66E-08	1.05E-07	1.63E-08	1.57E-08	2.42E-07
4257	492363.09	3856377.25	7.53E-04	7.68E-04	7.67E-04	2.61E-07	7.87E-07	4.55E-07	4.65E-07	4.21E-07	1.92E-07	1.92E-07	0.00E+00	0.00E+00	8.38E-08	1.58E-08	1.00E-07	1.54E-08	1.49E-08	2.30E-07
4258	492863.09	3856377.25	6.86E-04	7.00E-04	6.99E-04	2.37E-07	7.17E-07	4.15E-07	4.24E-07	3.84E-07	1.75E-07	1.75E-07	0.00E+00	0.00E+00	7.64E-08	1.44E-08	9.12E-08	1.41E-08	1.35E-08	2.10E-07
4259	493363.09	3856377.25	5.27E-04	5.37E-04	5.37E-04	1.82E-07	5.50E-07	3.19E-07	3.25E-07	2.95E-07	1.34E-07	1.34E-07	0.00E+00	0.00E+00	5.86E-08	1.10E-08	7.00E-08	1.08E-08	1.04E-08	1.61E-07
4260	493863.09	3856377.25	4.44E-04	4.53E-04	4.52E-04	1.54E-07	4.64E-07	2.69E-07	2.74E-07	2.48E-07	1.13E-07	1.13E-07	0.00E+00	0.00E+00	4.94E-08	9.30E-09	5.90E-08	9.10E-09	8.77E-09	1.36E-07
4261	494363.09	3856377.25	3.43E-04	3.50E-04	3.49E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.75E-08	8.74E-08	0.00E+00	0.00E+00	3.81E-08	7.18E-09	4.56E-08	7.03E-09	6.77E-09	1.05E-07
4262	494863.09	3856377.25	2.75E-04	2.80E-04	2.80E-04	9.51E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.01E-08	7.01E-08	0.00E+00	0.00E+00	3.06E-08	5.76E-09	3.65E-08	5.63E-09	5.42E-09	8.39E-08
4263	495363.09	3856377.25	2.40E-04	2.45E-04	2.44E-04	8.30E-08	2.51E-07	1.45E-07	1.48E-07	1.34E-07	6.13E-08	6.12E-08	0.00E+00	0.00E+00	2.67E-08	5.03E-09	3.19E-08	4.92E-09	4.74E-09	7.33E-08
4264	495863.09	3856377.25	2.44E-04	2.49E-04	2.48E-04	8.44E-08	2.55E-07	1.47E-07	1.50E-07	1.36E-07	6.22E-08	6.22E-08	0.00E+00	0.00E+00	2.71E-08	5.11E-09	3.24E-08	5.00E-09	4.81E-09	7.44E-08
4265	496363.09	3856377.25	2.59E-04	2.64E-04	2.64E-04	8.96E-08	2.70E-07	1.57E-07	1.60E-07	1.45E-07	6.61E-08	6.60E-08	0.00E+00	0.00E+00	2.88E-08	5.42E-09	3.44E-08	5.31E-09	5.11E-09	7.90E-08
4266	496863.09	3856377.25	2.91E-04	2.97E-04	2.97E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.43E-08	7.43E-08	0.00E+00	0.00E+00	3.24E-08	6.10E-09	3.87E-08	5.97E-09	5.75E-09	8.89E-08
4267	497363.09	3856377.25	3.23E-04	3.29E-04	3.29E-04	1.12E-07	3.37E-07	1.95E-07	1.99E-07	1.81E-07	8.24E-08	8.23E-08	0.00E+00	0.00E+00	3.59E-08	6.76E-09	4.29E-08	6.62E-09	6.37E-09	9.86E-08
4268	497863.09	3856377.25	3.67E-04	3.74E-04	3.74E-04	1.27E-07	3.83E-07	2.22E-07	2.26E-07	2.05E-07	9.36E-08	9.35E-08	0.00E+00	0.00E+00	4.08E-08	7.68E-09	4.87E-08	7.52E-09	7.24E-09	1.12E-07
4269	498363.09	3856377.25	4.21E-04	4.30E-04	4.29E-04	1.46E-07	4.40E-07	2.55E-07	2.60E-07	2.36E-07	1.08E-07	1.07E-07	0.00E+00	0.00E+00	4.69E-08	8.83E-09	5.60E-08	8.64E-09	8.32E-09	1.29E-07
4270	471363.09	3856877.25	3.50E-04	3.57E-04	3.56E-04	1.21E-07	3.66E-07	2.12E-07	2.16E-07	1.96E-07	8.93E-08	8.92E-08	0.00E+00	0.00E+00	3.89E-08	7.33E-09	4.65E-08	7.17E-09	6.91E-09	1.07E-07
4271	471863.09	3856877.25	3.59E-04	3.67E-04	3.66E-04	1.24E-07	3.76E-07	2.18E-07	2.22E-07	2.01E-07	9.18E-08	9.17E-08	0.00E+00	0.00E+00	4.00E-08	7.53E-09	4.78E-08	7.37E-09	7.10E-09	1.10E-07
4272	472363.09	3856877.25	3.79E-04	3.87E-04	3.86E-04	1.31E-07	3.96E-07	2.29E-07	2.34E-07	2.12E-07	9.68E-08	9.67E-08	0.00E+00	0.00E+00	4.22E-08	7.94E-09	5.04E-08	7.77E-09	7.48E-09	1.16E-07
4273	472863.09	3856877.25	3.97E-04	4.05E-04	4.04E-04	1.37E-07	4.15E-07	2.40E-07	2.45E-07	2.22E-07	1.01E-07	1.01E-07	0.00E+00	0.00E+00	4.41E-08	8.31E-09	5.27E-08	8.13E-09	7.83E-09	1.21E-07
4274	473363.09	3856877.25	4.30E-04	4.39E-04	4.38E-04	1.49E-07	4.49E-07	2.60E-07	2.65E-07	2.41E-07	1.10E-07	1.10E-07	0.00E+00	0.00E+00	4.79E-08	9.01E-09	5.72E-08	8.82E-09	8.49E-09	1.31E-07
4275	473863.09	3856877.25	4.49E-04	4.58E-04	4.57E-04	1.55E-07	4.69E-07	2.72E-07	2.77E-07	2.51E-07	1.15E-07	1.14E-07	0.00E+00	0.00E+00	5.00E-08	9.40E-09	5.97E-08	9.20E-09	8.86E-09	1.37E-07
4276	474363.09	3856877.25	4.38E-04	4.47E-04	4.46E-04	1.52E-07	4.58E-07	2.65E-07	2.70E-07	2.45E-07	1.12E-07	1.12E-07	0.00E+00	0.00E+00	4.87E-08	9.18E-09	5.82E-08	8.98E-09	8.65E-09	1.34E-07
4277	474863.09	3856877.25	4.10E-04	4.18E-04	4.18E-04	1.42E-07	4.28E-07	2.48E-07	2.53E-07	2.29E-07	1.05E-07	1.05E-07	0.00E+00	0.00E+00	4.56E-08	8.59E-09	5.45E-08	8.41E-09	8.10E-09	1.25E-07
4278	475363.09	3856877.25	3.49E-04	3.57E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.96E-07	8.92E-08	8.91E-08	0.00E+00	0.00E+00	3.89E-08	7.32E-09	4.65E-08	7.17E-09	6.90E-09	1.07E-07
4279	475863.09	3856877.25	3.41E-04	3.48E-04	3.48E-04	1.18E-07	3.57E-07	2.06E-07	2.11E-07	1.91E-07	8.71E-08	8.70E-08	0.00E+00	0.00E+00	3.80E-08	7.15E-09	4.54E-08	7.00E-09	6.74E-09	1.04E-07
4280	476363.09	3856877.25	2.89E-04	2.95E-04	2.95E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.62E-07	7.39E-08	7.38E-08	0.00E+00	0.00E+00	3.22E-08	6.06E-09	3.85E-08	5.93E-09	5.72E-09	8.84E-08
4281	476863.09	3856877.25	2.71E-04	2.76E-04	2.76E-04	9.36E-08	2.83E-07	1.64E-07	1.67E-07	1.51E-07	6.91E-08	6.90E-08	0.00E+00	0.00E+00	3.01E-08	5.67E-09	3.60E-08	5.55E-09	5.34E-09	8.26E-08
4282	477363.09	3856877.25	2.25E-04	2.30E-04	2.29E-04	7.79E-08	2.35E-07	1.36E-07	1.39E-07	1.26E-07	5.75E-08	5.74E-08	0.00E+00	0.00E+00	2.51E-08	4.72E-09	2.99E-08	4.62E-09	4.45E-09	6.88E-08
4283	477863.09	3856877.25	1.29E-04	1.32E-04	1.32E-04	4.48E-08	1.35E-07	7.83E-08	7.99E-08	7.24E-08	3.30E-08	3.30E-08	0.00E+00	0.00E+00	1.44E-08	2.71E-09	1.72E-08	2.65E-09	2.56E-09	3.95E-08
4284	478363.09	3856877.25	1.03E-04	1.05E-04	1.05E-04	3.56E-08	1.07E-07	6.22E-08	6.35E-08	5.76E-08	2.63E-08	2.62E-08	0.00E+00	0.00E+00	1.14E-08	2.16E-09	1.37E-08	2.11E-09	2.03E-09	3.14E-08
4285	478863.09	3856877.25	1.37E-04	1.40E-04	1.40E-04	4.75E-08	1.44E-07	8.31E-08	8.48E-08	7.69E-08	3.51E-08	3.50E-08	0.00E+00	0.00E+00	1.53E-08	2.88E-09	1.83E-08	2.82E-09	2.71E-09	4.20E-08
4286	479363.09	3856877.25	1.96E-04	2.00E-04	2.00E-04	6.78E-08	2.05E-07	1.19E-07	1.21E-07	1.10E-07	5.00E-08	5.00E-08	0.00E+00	0.00E+00	2.18E-08	4.11E-09	2.61E-08	4.02E-09	3.87E-09	5.99E-08
4287	479863.09	3856877.25	4.62E-04	4.71E-04	4.71E-04	1.60E-07	4.83E-07	2.80E-07	2.85E-07	2.59E-07	1.18E-07	1.18E-07	0.00E+00	0.00E+00	5.14E-08	9.68E-09	6.14E-08	9.48E-09	9.13E-09	1.41E-07
4288	480363.09	3856877.25	6.06E-04	6.19E-04	6.18E-04	2.10E-07	6.34E-07	3.67E-07	3.74E-07	3.39E-07	1.55E-07	1.55E-07	0.00E+00	0.00E+00	6.75E-08	1.27E-08	8.06E-08	1.24E-08	1.20E-08	1.85E-07
4289	480863.09	3856877.25	7.05E-04	7.19E-04	7.18E-04	2.44E-07	7.36E-07	4.26E-07	4.35E-07	3.94E-07	1.80E-07	1.80E-07	0.00E+00	0.00E+00	7.84E-08	1.48E-08	9.37E-08	1.44E-08	1.39E-08	2.15E-07
4290	481363.09	3856877.25	7.50E-04	7.65E-04	7.64E-04	2.60E-07	7.84E-07	4.54E-07	4.63E-07	4.20E-07	1.92E-07	1.91E-07	0.00E+00	0.00E+00	8.35E-08	1.57E-08	9.97E-08	1.54E-08	1.48E-08	2.29E-07
4291	481863.09	3856877.25	7.75E-04	7.91E-04	7.90E-04	2.68E-07	8.10E-07	4.69E-07	4.79E-07	4.34E-07	1.98E-07	1.98E-07	0.00E+00	0.00E+00	8.63E-08	1.62E-08	1.03E-07	1.59E-08	1.53E-08	2.37E-07
4292	482363.09	3856877.25	7.73E-04	7.89E-04	7.88E-04	2.68E-07	8.08E-07	4.68E-07	4.77E-07	4.33E-07	1.97E-07	1.97E-07	0.00E+00	0.00E+00	8.61E-08	1.62E-08	1.03E-07	1.59E-08	1.53E-08	2.36E-07
4293	482863.09	3856877.25	7.70E-04	7.86E-04	7.85E-04	2.67E-07	8.05E-07	4.66E-07	4.76E-07	4.31E-07	1.97E-07	1.96E-07	0.00E+00	0.00E+00	8.57E-08	1.61E-08	1.02E-07	1.58E-08	1.52E-08	2.35E-07
4294	483363.09	3856877.25	7.81E-04	7.97E-04	7.96E-04	2.70E-07	8.16E-07	4.72E-07	4.82E-07	4.37E-07	1.99E-07	1.99E-07	0.00E+00	0.00E+00	8.69E-08	1.64E-08	1.04E-07	1.60E-08	1.54E-08	2.39E-07
4295	483863.09	3856877.25	7.91E-04	8.07E-04	8.06E-04	2.74E-07	8.27E-07	4.79E-07	4.88E-07	4.43E-07	2.02E-07	2.02E-07	0.00E+00	0.00E+00	8.80E-08	1.66E-08	1.05E-07	1.62E-08	1.56E-08	2.42E-07
4296	484363.09	3856877.25	8.05E-04	8.22E-04	8.21E-04	2.79E-07	8.42E-07	4.87E-07	4.97E-07	4.51E-07	2.06E-07	2.05E-07	0.00E+00	0.00E+00	8.96E-08	1.69E-08	1.07E-07	1.65E-08	1.59E-08	2.46E-07
4297	484863.09	3856877.25	8.42E-04	8.59E-04	8.58E-04	2.91E-07	8.80E-07	5.09E-07	5.20E-07	4.71E-07	2.15E-07	2.15E-07	0.00E+00	0.00E+00	9.37E-08	1.76E-08	1.12E-07	1.73E-08	1.66E-08	2.57E-07
4298	485363.09	3856877.25	8.83E-04	9.01E-04	9.00E-04	3.06E-07	9.23E-07	5.34E-07	5.45E-07	4.94E-07	2.26E-07	2.25E-07	0.00E+00	0.00E+00	9.83E-08	1.85E-08	1.17E-07	1.81E-08	1.74E-08	2.70E-07
4299	485863.09	3856877.25	9.00E-04	9.19E-04	9.17E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.75E-07
4300	486363.09	3856877.25	8.43E-04	8.60E-04	8.59E-04	2.92E-07	8.81E-07	5.10E-07	5.20E-07	4.72E-07	2.15E-07	2.15E-07	0.00E+00	0.00E+00	9.38E-08	1.77E-08	1.12E-07	1.73E-08	1.66E-08	2.57E-07
4301	486863.09	3856877.25	8.81E-04	8.99E-04	8.98E-04	3.05E-07	9.21E-07	5.33E-07	5.44E-07	4.93E-07	2.25E-07	2.25E-07	0.00E+00	0.00E+00	9.81E-08	1.85E-08	1.17E-07	1.81E-08	1.74E-08	2.69E-07
4302	487363.09	3856877.25	9.05E-04	9.23E-04	9.22E-04	3.13E-07	9.46E-07	5.48E-07	5.59E-07	5.06E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.20E-07	1.86E-08	1.79E-08	2.76E-07
4303	487863.09	3856877.25	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.60E-07	5.56E-07	5.67E-07	5.14E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.81E-07
4304	488363.09	3856877.25	9.10E-04	9.29E-04	9.28E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
4305	488863.09	3856877.25	8.97E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.43E-07	5.54E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.98E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07

4306	489363.09	3856877.25	8.95E-04	9.14E-04	9.13E-04	3.10E-07	9.36E-07	5.42E-07	5.53E-07	5.01E-07	2.29E-07	2.28E-07	0.00E+00	0.00E+00	9.97E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
4307	489863.09	3856877.25	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.97E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.89E-08	1.86E-08	1.18E-07	1.82E-08	1.76E-08	2.72E-07
4308	490363.09	3856877.25	8.69E-04	8.87E-04	8.86E-04	3.01E-07	9.09E-07	5.26E-07	5.37E-07	4.87E-07	2.22E-07	2.22E-07	0.00E+00	0.00E+00	9.68E-08	1.82E-08	1.16E-07	1.78E-08	1.72E-08	2.66E-07
4309	490863.09	3856877.25	8.56E-04	8.74E-04	8.73E-04	2.96E-07	8.95E-07	5.18E-07	5.29E-07	4.79E-07	2.19E-07	2.18E-07	0.00E+00	0.00E+00	9.53E-08	1.79E-08	1.14E-07	1.76E-08	1.69E-08	2.62E-07
4310	491363.09	3856877.25	8.30E-04	8.47E-04	8.46E-04	2.87E-07	8.68E-07	5.02E-07	5.13E-07	4.65E-07	2.12E-07	2.12E-07	0.00E+00	0.00E+00	9.24E-08	1.74E-08	1.10E-07	1.70E-08	1.64E-08	2.54E-07
4311	491863.09	3856877.25	8.02E-04	8.19E-04	8.18E-04	2.78E-07	8.39E-07	4.85E-07	4.95E-07	4.49E-07	2.05E-07	2.05E-07	0.00E+00	0.00E+00	8.93E-08	1.68E-08	1.07E-07	1.65E-08	1.58E-08	2.45E-07
4312	492363.09	3856877.25	7.11E-04	7.26E-04	7.25E-04	2.46E-07	7.43E-07	4.30E-07	4.39E-07	3.98E-07	1.82E-07	1.81E-07	0.00E+00	0.00E+00	7.91E-08	1.49E-08	9.46E-08	1.46E-08	1.40E-08	2.17E-07
4313	492863.09	3856877.25	6.31E-04	6.44E-04	6.44E-04	2.19E-07	6.60E-07	3.82E-07	3.90E-07	3.53E-07	1.61E-07	1.61E-07	0.00E+00	0.00E+00	7.03E-08	1.32E-08	8.40E-08	1.29E-08	1.25E-08	1.93E-07
4314	493363.09	3856877.25	5.29E-04	5.39E-04	5.39E-04	1.83E-07	5.53E-07	3.20E-07	3.26E-07	2.96E-07	1.35E-07	1.35E-07	0.00E+00	0.00E+00	5.88E-08	1.11E-08	7.03E-08	1.08E-08	1.04E-08	1.62E-07
4315	493863.09	3856877.25	4.06E-04	4.15E-04	4.14E-04	1.41E-07	4.25E-07	2.46E-07	2.51E-07	2.27E-07	1.04E-07	1.04E-07	0.00E+00	0.00E+00	4.52E-08	8.52E-09	5.40E-08	8.33E-09	8.03E-09	1.24E-07
4316	494363.09	3856877.25	3.17E-04	3.24E-04	3.23E-04	1.10E-07	3.32E-07	1.92E-07	1.96E-07	1.78E-07	8.10E-08	8.10E-08	0.00E+00	0.00E+00	3.53E-08	6.65E-09	4.22E-08	6.51E-09	6.27E-09	9.70E-08
4317	494863.09	3856877.25	2.89E-04	2.95E-04	2.95E-04	1.00E-07	3.02E-07	1.75E-07	1.78E-07	1.62E-07	7.38E-08	7.37E-08	0.00E+00	0.00E+00	3.22E-08	6.06E-09	3.84E-08	5.93E-09	5.71E-09	8.83E-08
4318	495363.09	3856877.25	2.80E-04	2.86E-04	2.85E-04	9.69E-08	2.93E-07	1.69E-07	1.73E-07	1.57E-07	7.15E-08	7.14E-08	0.00E+00	0.00E+00	3.12E-08	5.87E-09	3.72E-08	5.74E-09	5.53E-09	8.55E-08
4319	495863.09	3856877.25	2.91E-04	2.97E-04	2.96E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.43E-08	7.42E-08	0.00E+00	0.00E+00	3.24E-08	6.10E-09	3.87E-08	5.96E-09	5.74E-09	8.89E-08
4320	496363.09	3856877.25	3.05E-04	3.11E-04	3.11E-04	1.06E-07	3.19E-07	1.85E-07	1.88E-07	1.71E-07	7.79E-08	7.78E-08	0.00E+00	0.00E+00	3.39E-08	6.39E-09	4.06E-08	6.25E-09	6.02E-09	9.32E-08
4321	496863.09	3856877.25	3.29E-04	3.36E-04	3.35E-04	1.14E-07	3.44E-07	1.99E-07	2.03E-07	1.84E-07	8.40E-08	8.39E-08	0.00E+00	0.00E+00	3.66E-08	6.89E-09	4.37E-08	6.74E-09	6.50E-09	1.00E-07
4322	497363.09	3856877.25	3.64E-04	3.71E-04	3.71E-04	1.26E-07	3.80E-07	2.20E-07	2.25E-07	2.04E-07	9.29E-08	9.28E-08	0.00E+00	0.00E+00	4.05E-08	7.63E-09	4.84E-08	7.46E-09	7.19E-09	1.11E-07
4323	497863.09	3856877.25	4.26E-04	4.35E-04	4.34E-04	1.47E-07	4.45E-07	2.58E-07	2.63E-07	2.38E-07	1.09E-07	1.09E-07	0.00E+00	0.00E+00	4.74E-08	8.93E-09	5.67E-08	8.74E-09	8.42E-09	1.30E-07
4324	498363.09	3856877.25	4.99E-04	5.09E-04	5.09E-04	1.73E-07	5.22E-07	3.02E-07	3.08E-07	2.79E-07	1.27E-07	1.27E-07	0.00E+00	0.00E+00	5.56E-08	1.05E-08	6.64E-08	1.02E-08	9.86E-09	1.53E-07
4325	471363.09	3857377.25	3.42E-04	3.49E-04	3.48E-04	1.18E-07	3.57E-07	2.07E-07	2.11E-07	1.91E-07	8.73E-08	8.72E-08	0.00E+00	0.00E+00	3.80E-08	7.16E-09	4.55E-08	7.01E-09	6.75E-09	1.04E-07
4326	471863.09	3857377.25	3.49E-04	3.57E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.96E-07	8.92E-08	8.91E-08	0.00E+00	0.00E+00	3.89E-08	7.32E-09	4.65E-08	7.17E-09	6.90E-09	1.07E-07
4327	472363.09	3857377.25	3.63E-04	3.70E-04	3.70E-04	1.26E-07	3.79E-07	2.20E-07	2.24E-07	2.03E-07	9.27E-08	9.26E-08	0.00E+00	0.00E+00	4.04E-08	7.61E-09	4.83E-08	7.44E-09	7.17E-09	1.11E-07
4328	472863.09	3857377.25	3.80E-04	3.87E-04	3.87E-04	1.31E-07	3.97E-07	2.30E-07	2.34E-07	2.12E-07	9.69E-08	9.68E-08	0.00E+00	0.00E+00	4.22E-08	7.95E-09	5.05E-08	7.78E-09	7.50E-09	1.16E-07
4329	473363.09	3857377.25	4.02E-04	4.10E-04	4.09E-04	1.39E-07	4.20E-07	2.43E-07	2.48E-07	2.25E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.47E-08	8.42E-09	5.34E-08	8.24E-09	7.93E-09	1.23E-07
4330	473863.09	3857377.25	4.29E-04	4.37E-04	4.37E-04	1.48E-07	4.48E-07	2.59E-07	2.65E-07	2.40E-07	1.09E-07	1.09E-07	0.00E+00	0.00E+00	4.77E-08	8.99E-09	5.70E-08	8.79E-09	8.47E-09	1.31E-07
4331	474363.09	3857377.25	4.08E-04	4.17E-04	4.16E-04	1.41E-07	4.27E-07	2.47E-07	2.52E-07	2.29E-07	1.04E-07	1.04E-07	0.00E+00	0.00E+00	4.55E-08	8.56E-09	5.43E-08	8.38E-09	8.07E-09	1.25E-07
4332	474863.09	3857377.25	3.25E-04	3.31E-04	3.31E-04	1.12E-07	3.39E-07	1.96E-07	2.00E-07	1.82E-07	8.29E-08	8.28E-08	0.00E+00	0.00E+00	3.61E-08	6.81E-09	4.32E-08	6.66E-09	6.41E-09	9.92E-08
4333	475363.09	3857377.25	2.17E-04	2.21E-04	2.21E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.21E-07	5.54E-08	5.53E-08	0.00E+00	0.00E+00	2.41E-08	4.55E-09	2.88E-08	4.45E-09	4.28E-09	6.63E-08
4334	475863.09	3857377.25	1.92E-04	1.96E-04	1.96E-04	6.66E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.91E-08	4.91E-08	0.00E+00	0.00E+00	2.14E-08	4.03E-09	2.56E-08	3.95E-09	3.80E-09	5.88E-08
4335	476363.09	3857377.25	2.55E-04	2.60E-04	2.60E-04	8.82E-08	2.66E-07	1.54E-07	1.57E-07	1.43E-07	6.51E-08	6.50E-08	0.00E+00	0.00E+00	2.84E-08	5.34E-09	3.39E-08	5.23E-09	5.03E-09	7.79E-08
4336	476863.09	3857377.25	2.66E-04	2.71E-04	2.71E-04	9.20E-08	2.78E-07	1.61E-07	1.64E-07	1.49E-07	6.79E-08	6.78E-08	0.00E+00	0.00E+00	2.96E-08	5.57E-09	3.53E-08	5.45E-09	5.25E-09	8.12E-08
4337	477363.09	3857377.25	2.23E-04	2.28E-04	2.28E-04	7.73E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.70E-08	5.70E-08	0.00E+00	0.00E+00	2.49E-08	4.68E-09	2.97E-08	4.58E-09	4.41E-09	6.82E-08
4338	477863.09	3857377.25	1.51E-04	1.54E-04	1.54E-04	5.22E-08	1.58E-07	9.13E-08	9.31E-08	8.44E-08	3.85E-08	3.85E-08	0.00E+00	0.00E+00	1.68E-08	3.16E-09	2.01E-08	3.09E-09	2.98E-09	4.61E-08
4339	478363.09	3857377.25	9.96E-05	1.02E-04	1.02E-04	3.45E-08	1.04E-07	6.03E-08	6.15E-08	5.57E-08	2.54E-08	2.54E-08	0.00E+00	0.00E+00	1.11E-08	2.09E-09	1.32E-08	2.04E-09	1.97E-09	3.04E-08
4340	478863.09	3857377.25	7.75E-05	7.91E-05	7.90E-05	2.68E-08	8.10E-08	4.69E-08	4.78E-08	4.34E-08	1.98E-08	1.98E-08	0.00E+00	0.00E+00	8.63E-09	1.62E-09	1.03E-08	1.59E-09	1.53E-09	2.37E-08
4341	479363.09	3857377.25	1.41E-04	1.44E-04	1.44E-04	4.89E-08	1.48E-07	8.54E-08	8.71E-08	7.90E-08	3.60E-08	3.60E-08	0.00E+00	0.00E+00	1.57E-08	2.96E-09	1.88E-08	2.89E-09	2.79E-09	4.31E-08
4342	479863.09	3857377.25	3.84E-04	3.91E-04	3.91E-04	1.33E-07	4.01E-07	2.32E-07	2.37E-07	2.15E-07	9.80E-08	9.79E-08	0.00E+00	0.00E+00	4.27E-08	8.04E-09	5.10E-08	7.87E-09	7.58E-09	1.17E-07
4343	480363.09	3857377.25	3.14E-04	3.21E-04	3.20E-04	1.09E-07	3.29E-07	1.90E-07	1.94E-07	1.76E-07	8.03E-08	8.02E-08	0.00E+00	0.00E+00	3.50E-08	6.59E-09	4.18E-08	6.45E-09	6.21E-09	9.61E-08
4344	480863.09	3857377.25	6.44E-04	6.57E-04	6.57E-04	2.23E-07	6.73E-07	3.90E-07	3.98E-07	3.61E-07	1.65E-07	1.64E-07	0.00E+00	0.00E+00	7.17E-08	1.35E-08	8.57E-08	1.32E-08	1.27E-08	1.97E-07
4345	481363.09	3857377.25	6.44E-04	6.57E-04	6.56E-04	2.23E-07	6.73E-07	3.90E-07	3.98E-07	3.60E-07	1.64E-07	1.64E-07	0.00E+00	0.00E+00	7.17E-08	1.35E-08	8.56E-08	1.32E-08	1.27E-08	1.97E-07
4346	481863.09	3857377.25	6.82E-04	6.96E-04	6.96E-04	2.36E-07	7.13E-07	4.13E-07	4.21E-07	3.82E-07	1.74E-07	1.74E-07	0.00E+00	0.00E+00	7.60E-08	1.43E-08	9.08E-08	1.40E-08	1.35E-08	2.08E-07
4347	482363.09	3857377.25	7.15E-04	7.29E-04	7.29E-04	2.47E-07	7.47E-07	4.33E-07	4.41E-07	4.00E-07	1.83E-07	1.82E-07	0.00E+00	0.00E+00	7.96E-08	1.50E-08	9.51E-08	1.47E-08	1.41E-08	2.18E-07
4348	482863.09	3857377.25	7.23E-04	7.38E-04	7.37E-04	2.50E-07	7.55E-07	4.37E-07	4.46E-07	4.05E-07	1.85E-07	1.84E-07	0.00E+00	0.00E+00	8.05E-08	1.51E-08	9.61E-08	1.48E-08	1.43E-08	2.21E-07
4349	483363.09	3857377.25	7.38E-04	7.53E-04	7.52E-04	2.56E-07	7.71E-07	4.47E-07	4.56E-07	4.13E-07	1.89E-07	1.88E-07	0.00E+00	0.00E+00	8.22E-08	1.55E-08	9.82E-08	1.51E-08	1.46E-08	2.26E-07
4350	483863.09	3857377.25	7.55E-04	7.70E-04	7.69E-04	2.61E-07	7.89E-07	4.57E-07	4.66E-07	4.23E-07	1.93E-07	1.93E-07	0.00E+00	0.00E+00	8.40E-08	1.58E-08	1.00E-07	1.55E-08	1.49E-08	2.31E-07
4351	484363.09	3857377.25	7.61E-04	7.77E-04	7.76E-04	2.63E-07	7.96E-07	4.61E-07	4.70E-07	4.26E-07	1.94E-07	1.94E-07	0.00E+00	0.00E+00	8.47E-08	1.60E-08	1.01E-07	1.56E-08	1.50E-08	2.33E-07
4352	484863.09	3857377.25	7.79E-04	7.95E-04	7.94E-04	2.70E-07	8.15E-07	4.72E-07	4.81E-07	4.36E-07	1.99E-07	1.99E-07	0.00E+00	0.00E+00	8.68E-08	1.63E-08	1.04E-07	1.60E-08	1.54E-08	2.38E-07
4353	485363.09	3857377.25	8.12E-04	8.29E-04	8.28E-04	2.81E-07	8.49E-07	4.92E-07	5.02E-07	4.55E-07	2.07E-07	2.07E-07	0.00E+00	0.00E+00	9.04E-08	1.70E-08	1.08E-07	1.67E-08	1.60E-08	2.48E-07
4354	485863.09	3857377.25	8.63E-04	8.80E-04	8.79E-04	2.99E-07	9.02E-07	5.22E-07	5.33E-07	4.83E-07	2.20E-07	2.20E-07	0.00E+00	0.00E+00	9.60E-08	1.81E-08	1.15E-07	1.77E-08	1.70E-08	2.64E-07
4355	486363.09	3857377.25	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.60E-07	5.56E-07	5.67E-07	5.14E-07	2.35E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.81E-07
4356	486863.09	3857377.25	8.86E-04	9.04E-04	9.03E-04	3.07E-07	9.26E-07	5.36E-07	5.47E-07	4.96E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.86E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
4357	487363.09	3857377.25	9.46E-04	9.65E-04	9.64E-04	3.27E-07	9.88E-07	5.72E-07	5.84E-07	5.29E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.87E-08	2.89E-07
4358	487863.09	3857377.25	1.01E-03	1.03E-03	1.03E-03	3.49E-07	1.06E-06	6.11E-07	6.23E-07	5.65E-07	2.58E-07	2.58E-07	0.00E+00	0.00E+00	1.12E-07	2.12E-08	1.34E-07	2.07E-08	1.99E-08	3.08E-07
4359	488363.09	3857377.25	1.03E-03	1.05E-03	1.05E-03	3.55E-07	1.07E-06	6.21E-07	6.33E-07	5.74E-07	2.62E-07	2.62E-07	0.00E+00	0.00E+00	1.14E-07	2.15E-08	1.36E-07	2.10E-08	2.03E-08	3.13E-07
4360	488863.09	3857377.25	1.02E-03	1.04E-03	1.04E-03	3.54E-07	1.07E-06	6.19E-07	6.32E-07	5.73E-07	2.61E-07	2.61E-07	0.00E+00	0.00E+00	1.14E-07	2.14E-08	1.36E-07	2.10E-08	2.02E-08	3.13E-07
4361	489363.09	3857377.25	9.73E-04	9.93E-04	9.92E-04	3.37E-07	1.02E-06	5.89E-07	6.01E-07	5.45E-07	2.48E-07	2.48E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.29E-07	2.00E-08	1.92E-08	2.97E-07

4362	489863.09	3857377.25	9.31E-04	9.50E-04	9.48E-04	3.22E-07	9.73E-07	5.63E-07	5.75E-07	5.21E-07	2.38E-07	2.37E-07	0.00E+00	0.00E+00	1.04E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.84E-07
4363	490363.09	3857377.25	9.08E-04	9.27E-04	9.26E-04	3.14E-07	9.49E-07	5.49E-07	5.61E-07	5.08E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.77E-07
4364	490863.09	3857377.25	9.03E-04	9.22E-04	9.20E-04	3.13E-07	9.44E-07	5.46E-07	5.58E-07	5.05E-07	2.31E-07	2.30E-07	0.00E+00	0.00E+00	1.01E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.76E-07
4365	491363.09	3857377.25	9.11E-04	9.29E-04	9.28E-04	3.15E-07	9.52E-07	5.51E-07	5.62E-07	5.10E-07	2.33E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
4366	491863.09	3857377.25	8.79E-04	8.97E-04	8.96E-04	3.04E-07	9.18E-07	5.32E-07	5.43E-07	4.92E-07	2.24E-07	2.24E-07	0.00E+00	0.00E+00	9.78E-08	1.84E-08	1.17E-07	1.80E-08	1.74E-08	2.68E-07
4367	492363.09	3857377.25	7.48E-04	7.64E-04	7.63E-04	2.59E-07	7.82E-07	4.53E-07	4.62E-07	4.19E-07	1.91E-07	1.91E-07	0.00E+00	0.00E+00	8.33E-08	1.57E-08	9.95E-08	1.53E-08	1.48E-08	2.29E-07
4368	492863.09	3857377.25	6.24E-04	6.37E-04	6.36E-04	2.16E-07	6.52E-07	3.77E-07	3.85E-07	3.49E-07	1.59E-07	1.59E-07	0.00E+00	0.00E+00	6.94E-08	1.31E-08	8.30E-08	1.28E-08	1.23E-08	1.91E-07
4369	493363.09	3857377.25	4.86E-04	4.96E-04	4.95E-04	1.68E-07	5.08E-07	2.94E-07	3.00E-07	2.72E-07	1.24E-07	1.24E-07	0.00E+00	0.00E+00	5.41E-08	1.02E-08	6.46E-08	9.96E-09	9.60E-09	1.48E-07
4370	493863.09	3857377.25	4.39E-04	4.48E-04	4.48E-04	1.52E-07	4.59E-07	2.66E-07	2.71E-07	2.46E-07	1.12E-07	1.12E-07	0.00E+00	0.00E+00	4.89E-08	9.21E-09	5.84E-08	9.01E-09	8.68E-09	1.34E-07
4371	494363.09	3857377.25	3.93E-04	4.01E-04	4.00E-04	1.36E-07	4.11E-07	2.38E-07	2.43E-07	2.20E-07	1.00E-07	1.00E-07	0.00E+00	0.00E+00	4.37E-08	8.23E-09	5.22E-08	8.06E-09	7.76E-09	1.20E-07
4372	494863.09	3857377.25	3.81E-04	3.89E-04	3.88E-04	1.32E-07	3.98E-07	2.31E-07	2.35E-07	2.13E-07	9.73E-08	9.72E-08	0.00E+00	0.00E+00	4.24E-08	7.98E-09	5.07E-08	7.81E-09	7.53E-09	1.16E-07
4373	495363.09	3857377.25	3.73E-04	3.80E-04	3.80E-04	1.29E-07	3.90E-07	2.26E-07	2.30E-07	2.09E-07	9.52E-08	9.51E-08	0.00E+00	0.00E+00	4.15E-08	7.81E-09	4.96E-08	7.64E-09	7.36E-09	1.14E-07
4374	495863.09	3857377.25	3.84E-04	3.91E-04	3.91E-04	1.33E-07	4.01E-07	2.32E-07	2.37E-07	2.15E-07	9.80E-08	9.79E-08	0.00E+00	0.00E+00	4.27E-08	8.04E-09	5.10E-08	7.87E-09	7.58E-09	1.17E-07
4375	496363.09	3857377.25	3.98E-04	4.06E-04	4.05E-04	1.38E-07	4.16E-07	2.41E-07	2.46E-07	2.23E-07	1.02E-07	1.01E-07	0.00E+00	0.00E+00	4.43E-08	8.34E-09	5.29E-08	8.16E-09	7.86E-09	1.22E-07
4376	496863.09	3857377.25	4.15E-04	4.23E-04	4.23E-04	1.44E-07	4.34E-07	2.51E-07	2.56E-07	2.32E-07	1.06E-07	1.06E-07	0.00E+00	0.00E+00	4.62E-08	8.69E-09	5.52E-08	8.51E-09	8.19E-09	1.27E-07
4377	497363.09	3857377.25	4.48E-04	4.57E-04	4.56E-04	1.55E-07	4.68E-07	2.71E-07	2.77E-07	2.51E-07	1.14E-07	1.14E-07	0.00E+00	0.00E+00	4.99E-08	9.39E-09	5.96E-08	9.19E-09	8.85E-09	1.37E-07
4378	497863.09	3857377.25	4.98E-04	5.08E-04	5.08E-04	1.72E-07	5.20E-07	3.01E-07	3.07E-07	2.79E-07	1.27E-07	1.27E-07	0.00E+00	0.00E+00	5.54E-08	1.04E-08	6.62E-08	1.02E-08	9.84E-09	1.52E-07
4379	498363.09	3857377.25	6.10E-04	6.22E-04	6.21E-04	2.11E-07	6.37E-07	3.69E-07	3.76E-07	3.41E-07	1.56E-07	1.56E-07	0.00E+00	0.00E+00	6.79E-08	1.28E-08	8.11E-08	1.25E-08	1.20E-08	1.86E-07
4380	471363.09	3857877.25	3.28E-04	3.34E-04	3.34E-04	1.13E-07	3.42E-07	1.98E-07	2.02E-07	1.83E-07	8.37E-08	8.36E-08	0.00E+00	0.00E+00	3.65E-08	6.87E-09	4.36E-08	6.72E-09	6.47E-09	1.00E-07
4381	471863.09	3857877.25	3.37E-04	3.44E-04	3.43E-04	1.17E-07	3.52E-07	2.04E-07	2.08E-07	1.89E-07	8.60E-08	8.59E-08	0.00E+00	0.00E+00	3.75E-08	7.06E-09	4.48E-08	6.91E-09	6.65E-09	1.03E-07
4382	472363.09	3857877.25	3.49E-04	3.56E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.95E-07	8.92E-08	8.91E-08	0.00E+00	0.00E+00	3.89E-08	7.32E-09	4.64E-08	7.16E-09	6.90E-09	1.07E-07
4383	472863.09	3857877.25	3.69E-04	3.77E-04	3.76E-04	1.28E-07	3.86E-07	2.23E-07	2.28E-07	2.07E-07	9.43E-08	9.42E-08	0.00E+00	0.00E+00	4.11E-08	7.74E-09	4.91E-08	7.57E-09	7.29E-09	1.13E-07
4384	473363.09	3857877.25	3.82E-04	3.90E-04	3.90E-04	1.32E-07	3.99E-07	2.31E-07	2.36E-07	2.14E-07	9.76E-08	9.75E-08	0.00E+00	0.00E+00	4.25E-08	8.01E-09	5.08E-08	7.84E-09	7.55E-09	1.17E-07
4385	473863.09	3857877.25	4.01E-04	4.09E-04	4.08E-04	1.39E-07	4.19E-07	2.42E-07	2.47E-07	2.24E-07	1.02E-07	1.02E-07	0.00E+00	0.00E+00	4.46E-08	8.40E-09	5.33E-08	8.22E-09	7.92E-09	1.22E-07
4386	474363.09	3857877.25	3.74E-04	3.82E-04	3.81E-04	1.30E-07	3.91E-07	2.26E-07	2.31E-07	2.09E-07	9.56E-08	9.55E-08	0.00E+00	0.00E+00	4.17E-08	7.84E-09	4.98E-08	7.67E-09	7.39E-09	1.14E-07
4387	474863.09	3857877.25	2.89E-04	2.95E-04	2.95E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.62E-07	7.39E-08	7.38E-08	0.00E+00	0.00E+00	3.22E-08	6.06E-09	3.85E-08	5.93E-09	5.72E-09	8.84E-08
4388	475363.09	3857877.25	1.52E-04	1.55E-04	1.55E-04	5.26E-08	1.59E-07	9.20E-08	9.39E-08	8.51E-08	3.88E-08	3.88E-08	0.00E+00	0.00E+00	1.69E-08	3.19E-09	2.02E-08	3.12E-09	3.00E-09	4.65E-08
4389	475863.09	3857877.25	5.30E-05	5.41E-05	5.41E-05	1.84E-08	5.54E-08	3.21E-08	3.27E-08	2.97E-08	1.35E-08	1.35E-08	0.00E+00	0.00E+00	5.90E-09	1.11E-09	7.05E-09	1.09E-09	1.05E-09	1.62E-08
4390	476363.09	3857877.25	1.68E-04	1.71E-04	1.71E-04	5.80E-08	1.75E-07	1.01E-07	1.04E-07	9.38E-08	4.28E-08	4.28E-08	0.00E+00	0.00E+00	1.87E-08	3.51E-09	2.23E-08	3.44E-09	3.31E-09	5.12E-08
4391	476863.09	3857877.25	2.09E-04	2.13E-04	2.13E-04	7.22E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.32E-08	0.00E+00	0.00E+00	2.32E-08	4.37E-09	2.77E-08	4.28E-09	4.12E-09	6.37E-08
4392	477363.09	3857877.25	1.99E-04	2.03E-04	2.03E-04	6.90E-08	2.08E-07	1.21E-07	1.23E-07	1.11E-07	5.09E-08	5.08E-08	0.00E+00	0.00E+00	2.22E-08	4.17E-09	2.65E-08	4.08E-09	3.93E-09	6.09E-08
4393	477863.09	3857877.25	1.84E-04	1.87E-04	1.87E-04	6.35E-08	1.92E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.68E-08	0.00E+00	0.00E+00	2.04E-08	3.85E-09	2.44E-08	3.76E-09	3.63E-09	5.61E-08
4394	478363.09	3857877.25	8.25E-05	8.42E-05	8.41E-05	2.86E-08	8.62E-08	4.99E-08	5.09E-08	4.62E-08	2.11E-08	2.10E-08	0.00E+00	0.00E+00	9.18E-09	1.73E-09	1.10E-08	1.69E-09	1.63E-09	2.52E-08
4395	478863.09	3857877.25	6.22E-05	6.34E-05	6.34E-05	2.15E-08	6.50E-08	3.76E-08	3.84E-08	3.48E-08	1.59E-08	1.59E-08	0.00E+00	0.00E+00	6.92E-09	1.30E-09	8.27E-09	1.28E-09	1.23E-09	1.90E-08
4396	479363.09	3857877.25	3.54E-04	3.61E-04	3.60E-04	1.22E-07	3.70E-07	2.14E-07	2.18E-07	1.98E-07	9.03E-08	9.02E-08	0.00E+00	0.00E+00	3.94E-08	7.41E-09	4.70E-08	7.25E-09	6.98E-09	1.08E-07
4397	479863.09	3857877.25	5.27E-04	5.38E-04	5.38E-04	1.83E-07	5.51E-07	3.19E-07	3.26E-07	2.95E-07	1.35E-07	1.35E-07	0.00E+00	0.00E+00	5.87E-08	1.11E-08	7.01E-08	1.08E-08	1.04E-08	1.61E-07
4398	480363.09	3857877.25	5.79E-04	5.91E-04	5.90E-04	2.00E-07	6.05E-07	3.50E-07	3.57E-07	3.24E-07	1.48E-07	1.48E-07	0.00E+00	0.00E+00	6.44E-08	1.21E-08	7.70E-08	1.19E-08	1.14E-08	1.77E-07
4399	480863.09	3857877.25	5.90E-04	6.02E-04	6.01E-04	2.04E-07	6.16E-07	3.57E-07	3.64E-07	3.30E-07	1.51E-07	1.50E-07	0.00E+00	0.00E+00	6.56E-08	1.24E-08	7.84E-08	1.21E-08	1.16E-08	1.80E-07
4400	481363.09	3857877.25	6.08E-04	6.21E-04	6.20E-04	2.11E-07	6.36E-07	3.68E-07	3.76E-07	3.41E-07	1.55E-07	1.55E-07	0.00E+00	0.00E+00	6.77E-08	1.28E-08	8.09E-08	1.25E-08	1.20E-08	1.86E-07
4401	481863.09	3857877.25	6.28E-04	6.41E-04	6.40E-04	2.17E-07	6.57E-07	3.80E-07	3.88E-07	3.52E-07	1.60E-07	1.60E-07	0.00E+00	0.00E+00	6.99E-08	1.32E-08	8.35E-08	1.29E-08	1.24E-08	1.92E-07
4402	482363.09	3857877.25	6.64E-04	6.77E-04	6.76E-04	2.30E-07	6.94E-07	4.02E-07	4.10E-07	3.71E-07	1.69E-07	1.69E-07	0.00E+00	0.00E+00	7.39E-08	1.39E-08	8.82E-08	1.36E-08	1.31E-08	2.03E-07
4403	482863.09	3857877.25	6.79E-04	6.93E-04	6.93E-04	2.35E-07	7.10E-07	4.11E-07	4.20E-07	3.80E-07	1.74E-07	1.73E-07	0.00E+00	0.00E+00	7.56E-08	1.42E-08	9.04E-08	1.39E-08	1.34E-08	2.08E-07
4404	483363.09	3857877.25	7.02E-04	7.16E-04	7.15E-04	2.43E-07	7.33E-07	4.25E-07	4.33E-07	3.93E-07	1.79E-07	1.79E-07	0.00E+00	0.00E+00	7.81E-08	1.47E-08	9.33E-08	1.44E-08	1.39E-08	2.14E-07
4405	483863.09	3857877.25	7.30E-04	7.45E-04	7.44E-04	2.53E-07	7.63E-07	4.42E-07	4.51E-07	4.09E-07	1.86E-07	1.86E-07	0.00E+00	0.00E+00	8.13E-08	1.53E-08	9.71E-08	1.50E-08	1.44E-08	2.23E-07
4406	484363.09	3857877.25	7.53E-04	7.69E-04	7.68E-04	2.61E-07	7.88E-07	4.56E-07	4.65E-07	4.22E-07	1.92E-07	1.92E-07	0.00E+00	0.00E+00	8.39E-08	1.58E-08	1.00E-07	1.55E-08	1.49E-08	2.30E-07
4407	484863.09	3857877.25	7.83E-04	7.99E-04	7.98E-04	2.71E-07	8.19E-07	4.74E-07	4.84E-07	4.38E-07	2.00E-07	2.00E-07	0.00E+00	0.00E+00	8.72E-08	1.64E-08	1.04E-07	1.61E-08	1.55E-08	2.39E-07
4408	485363.09	3857877.25	8.20E-04	8.37E-04	8.36E-04	2.84E-07	8.57E-07	4.96E-07	5.06E-07	4.59E-07	2.10E-07	2.09E-07	0.00E+00	0.00E+00	9.13E-08	1.72E-08	1.09E-07	1.68E-08	1.62E-08	2.51E-07
4409	485863.09	3857877.25	8.55E-04	8.72E-04	8.71E-04	2.96E-07	8.93E-07	5.17E-07	5.28E-07	4.78E-07	2.18E-07	2.18E-07	0.00E+00	0.00E+00	9.51E-08	1.79E-08	1.14E-07	1.75E-08	1.69E-08	2.61E-07
4410	486363.09	3857877.25	9.04E-04	9.22E-04	9.21E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.89E-08	1.20E-07	1.85E-08	1.79E-08	2.76E-07
4411	486863.09	3857877.25	1.01E-03	1.03E-03	1.03E-03	3.48E-07	1.05E-06	6.09E-07	6.21E-07	5.63E-07	2.57E-07	2.57E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.06E-08	1.99E-08	3.07E-07
4412	487363.09	3857877.25	1.12E-03	1.15E-03	1.14E-03	3.89E-07	1.17E-06	6.79E-07	6.93E-07	6.28E-07	2.87E-07	2.86E-07	0.00E+00	0.00E+00	1.25E-07	2.35E-08	1.49E-07	2.30E-08	2.22E-08	3.43E-07
4413	487863.09	3857877.25	1.20E-03	1.22E-03	1.22E-03	4.14E-07	1.25E-06	7.23E-07	7.38E-07	6.69E-07	3.05E-07	3.05E-07	0.00E+00	0.00E+00	1.33E-07	2.50E-08	1.59E-07	2.45E-08	2.36E-08	3.65E-07
4414	488363.09	3857877.25	1.32E-03	1.34E-03	1.34E-03	4.56E-07	1.38E-06	7.97E-07	8.13E-07	7.37E-07	3.36E-07	3.36E-07	0.00E+00	0.00E+00	1.47E-07	2.76E-08	1.75E-07	2.70E-08	2.60E-08	4.02E-07
4415	488863.09	3857877.25	1.36E-03	1.39E-03	1.39E-03	4.72E-07	1.43E-06	8.26E-07	8.43E-07	7.64E-07	3.48E-07	3.48E-07	0.00E+00	0.00E+00	1.52E-07	2.86E-08	1.81E-07	2.80E-08	2.70E-08	4.17E-07
4416	489363.09	3857877.25	1.25E-03	1.27E-03	1.27E-03	4.32E-07	1.31E-06	7.56E-07	7.71E-07	6.99E-07	3.19E-07	3.19E-07	0.00E+00	0.00E+00	1.39E-07	2.62E-08	1.66E-07	2.56E-08	2.47E-08	3.82E-07
4417	489863.09	3857877.25	1.15E-03	1.18E-03	1.18E-03	3.99E-07	1.21E-06	6.98E-07	7.12E-07	6.46E-07	2.95E-07	2.94E-07	0.00E+00	0.00E+00	1.28E-07	2.42E-08	1.53E-07	2.37E-08	2.28E-08	3.53E-07

4418	490363.09	3857877.25	1.14E-03	1.16E-03	1.16E-03	3.94E-07	1.19E-06	6.89E-07	7.03E-07	6.37E-07	2.91E-07	2.91E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.51E-07	2.34E-08	2.25E-08	3.48E-07
4419	490863.09	3857877.25	1.18E-03	1.20E-03	1.20E-03	4.07E-07	1.23E-06	7.12E-07	7.26E-07	6.59E-07	3.00E-07	3.00E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.56E-07	2.41E-08	2.32E-08	3.59E-07
4420	491363.09	3857877.25	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.76E-07	6.90E-07	6.26E-07	2.86E-07	2.85E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.21E-08	3.42E-07
4421	491863.09	3857877.25	1.02E-03	1.04E-03	1.04E-03	3.53E-07	1.06E-06	6.16E-07	6.29E-07	5.70E-07	2.60E-07	2.60E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.09E-08	2.01E-08	3.11E-07
4422	492363.09	3857877.25	8.37E-04	8.54E-04	8.53E-04	2.90E-07	8.75E-07	5.06E-07	5.17E-07	4.68E-07	2.14E-07	2.13E-07	0.00E+00	0.00E+00	9.32E-08	1.75E-08	1.11E-07	1.72E-08	1.65E-08	2.56E-07
4423	492863.09	3857877.25	6.87E-04	7.01E-04	7.00E-04	2.38E-07	7.18E-07	4.16E-07	4.24E-07	3.84E-07	1.75E-07	1.75E-07	0.00E+00	0.00E+00	7.65E-08	1.44E-08	9.13E-08	1.41E-08	1.36E-08	2.10E-07
4424	493363.09	3857877.25	6.33E-04	6.46E-04	6.45E-04	2.19E-07	6.62E-07	3.83E-07	3.91E-07	3.54E-07	1.62E-07	1.62E-07	0.00E+00	0.00E+00	7.05E-08	1.33E-08	8.42E-08	1.30E-08	1.25E-08	1.93E-07
4425	493863.09	3857877.25	6.12E-04	6.25E-04	6.24E-04	2.12E-07	6.40E-07	3.70E-07	3.78E-07	3.43E-07	1.56E-07	1.56E-07	0.00E+00	0.00E+00	6.82E-08	1.28E-08	8.14E-08	1.26E-08	1.21E-08	1.87E-07
4426	494363.09	3857877.25	5.94E-04	6.06E-04	6.05E-04	2.06E-07	6.21E-07	3.59E-07	3.67E-07	3.32E-07	1.52E-07	1.51E-07	0.00E+00	0.00E+00	6.61E-08	1.24E-08	7.90E-08	1.22E-08	1.17E-08	1.81E-07
4427	494863.09	3857877.25	5.42E-04	5.53E-04	5.53E-04	1.88E-07	5.67E-07	3.28E-07	3.35E-07	3.03E-07	1.38E-07	1.38E-07	0.00E+00	0.00E+00	6.04E-08	1.14E-08	7.21E-08	1.11E-08	1.07E-08	1.66E-07
4428	495363.09	3857877.25	5.35E-04	5.46E-04	5.45E-04	1.85E-07	5.59E-07	3.24E-07	3.30E-07	2.99E-07	1.37E-07	1.36E-07	0.00E+00	0.00E+00	5.96E-08	1.12E-08	7.12E-08	1.10E-08	1.06E-08	1.63E-07
4429	495863.09	3857877.25	5.27E-04	5.37E-04	5.37E-04	1.82E-07	5.50E-07	3.19E-07	3.25E-07	2.95E-07	1.34E-07	1.34E-07	0.00E+00	0.00E+00	5.86E-08	1.10E-08	7.00E-08	1.08E-08	1.04E-08	1.61E-07
4430	496363.09	3857877.25	5.41E-04	5.52E-04	5.51E-04	1.87E-07	5.65E-07	3.27E-07	3.34E-07	3.03E-07	1.38E-07	1.38E-07	0.00E+00	0.00E+00	6.02E-08	1.13E-08	7.19E-08	1.11E-08	1.07E-08	1.65E-07
4431	496863.09	3857877.25	5.57E-04	5.69E-04	5.68E-04	1.93E-07	5.82E-07	3.37E-07	3.44E-07	3.12E-07	1.42E-07	1.42E-07	0.00E+00	0.00E+00	6.20E-08	1.17E-08	7.41E-08	1.14E-08	1.10E-08	1.70E-07
4432	497363.09	3857877.25	5.61E-04	5.72E-04	5.72E-04	1.94E-07	5.86E-07	3.39E-07	3.46E-07	3.14E-07	1.43E-07	1.43E-07	0.00E+00	0.00E+00	6.24E-08	1.18E-08	7.46E-08	1.15E-08	1.11E-08	1.71E-07
4433	497863.09	3857877.25	6.35E-04	6.48E-04	6.48E-04	2.20E-07	6.64E-07	3.84E-07	3.92E-07	3.56E-07	1.62E-07	1.62E-07	0.00E+00	0.00E+00	7.07E-08	1.33E-08	8.45E-08	1.30E-08	1.25E-08	1.94E-07
4434	498363.09	3857877.25	7.06E-04	7.21E-04	7.20E-04	2.44E-07	7.38E-07	4.27E-07	4.36E-07	3.95E-07	1.80E-07	1.80E-07	0.00E+00	0.00E+00	7.86E-08	1.48E-08	9.39E-08	1.45E-08	1.40E-08	2.16E-07
4435	471363.09	3858377.25	3.20E-04	3.27E-04	3.26E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.79E-07	8.18E-08	8.17E-08	0.00E+00	0.00E+00	3.57E-08	6.71E-09	4.26E-08	6.57E-09	6.33E-09	9.79E-08
4436	471863.09	3858377.25	3.29E-04	3.36E-04	3.35E-04	1.14E-07	3.44E-07	1.99E-07	2.03E-07	1.84E-07	8.40E-08	8.39E-08	0.00E+00	0.00E+00	3.66E-08	6.89E-09	4.37E-08	6.74E-09	6.50E-09	1.00E-07
4437	472363.09	3858377.25	3.36E-04	3.43E-04	3.43E-04	1.16E-07	3.51E-07	2.03E-07	2.08E-07	1.88E-07	8.59E-08	8.58E-08	0.00E+00	0.00E+00	3.74E-08	7.05E-09	4.47E-08	6.89E-09	6.64E-09	1.03E-07
4438	472863.09	3858377.25	3.49E-04	3.56E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.95E-07	8.92E-08	8.91E-08	0.00E+00	0.00E+00	3.89E-08	7.32E-09	4.64E-08	7.16E-09	6.90E-09	1.07E-07
4439	473363.09	3858377.25	3.72E-04	3.79E-04	3.79E-04	1.29E-07	3.88E-07	2.25E-07	2.29E-07	2.08E-07	9.49E-08	9.48E-08	0.00E+00	0.00E+00	4.14E-08	7.79E-09	4.94E-08	7.62E-09	7.34E-09	1.14E-07
4440	473863.09	3858377.25	3.72E-04	3.79E-04	3.79E-04	1.29E-07	3.89E-07	2.25E-07	2.30E-07	2.08E-07	9.50E-08	9.49E-08	0.00E+00	0.00E+00	4.14E-08	7.79E-09	4.95E-08	7.63E-09	7.34E-09	1.14E-07
4441	474363.09	3858377.25	3.41E-04	3.48E-04	3.48E-04	1.18E-07	3.57E-07	2.06E-07	2.11E-07	1.91E-07	8.71E-08	8.70E-08	0.00E+00	0.00E+00	3.80E-08	7.15E-09	4.54E-08	7.00E-09	6.74E-09	1.04E-07
4442	474863.09	3858377.25	2.84E-04	2.90E-04	2.90E-04	9.84E-08	2.97E-07	1.72E-07	1.76E-07	1.59E-07	7.26E-08	7.25E-08	0.00E+00	0.00E+00	3.17E-08	5.96E-09	3.78E-08	5.83E-09	5.62E-09	8.69E-08
4443	475363.09	3858377.25	1.90E-04	1.94E-04	1.93E-04	6.57E-08	1.98E-07	1.15E-07	1.17E-07	1.06E-07	4.85E-08	4.84E-08	0.00E+00	0.00E+00	2.11E-08	3.98E-09	2.52E-08	3.89E-09	3.75E-09	5.80E-08
4444	475863.09	3858377.25	1.26E-04	1.28E-04	1.28E-04	4.36E-08	1.32E-07	7.61E-08	7.77E-08	7.04E-08	3.21E-08	3.21E-08	0.00E+00	0.00E+00	1.40E-08	2.64E-09	1.67E-08	2.58E-09	2.49E-09	3.84E-08
4445	476363.09	3858377.25	1.36E-04	1.39E-04	1.39E-04	4.71E-08	1.42E-07	8.24E-08	8.41E-08	7.62E-08	3.48E-08	3.47E-08	0.00E+00	0.00E+00	1.52E-08	2.85E-09	1.81E-08	2.79E-09	2.69E-09	4.16E-08
4446	476863.09	3858377.25	1.48E-04	1.51E-04	1.51E-04	5.12E-08	1.55E-07	8.95E-08	9.13E-08	8.28E-08	3.78E-08	3.77E-08	0.00E+00	0.00E+00	1.65E-08	3.10E-09	1.97E-08	3.03E-09	2.92E-09	4.52E-08
4447	477363.09	3858377.25	1.36E-04	1.38E-04	1.38E-04	4.69E-08	1.42E-07	8.20E-08	8.37E-08	7.59E-08	3.46E-08	3.46E-08	0.00E+00	0.00E+00	1.51E-08	2.84E-09	1.80E-08	2.78E-09	2.68E-09	4.14E-08
4448	477863.09	3858377.25	1.85E-04	1.89E-04	1.89E-04	6.41E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.72E-08	0.00E+00	0.00E+00	2.06E-08	3.88E-09	2.46E-08	3.79E-09	3.66E-09	5.65E-08
4449	478363.09	3858377.25	1.95E-04	1.99E-04	1.99E-04	6.74E-08	2.04E-07	1.18E-07	1.20E-07	1.09E-07	4.97E-08	4.97E-08	0.00E+00	0.00E+00	2.17E-08	4.08E-09	2.59E-08	3.99E-09	3.85E-09	5.95E-08
4450	478863.09	3858377.25	1.20E-04	1.22E-04	1.22E-04	4.15E-08	1.25E-07	7.26E-08	7.40E-08	6.71E-08	3.06E-08	3.06E-08	0.00E+00	0.00E+00	1.33E-08	2.51E-09	1.59E-08	2.46E-09	2.37E-09	3.66E-08
4451	479363.09	3858377.25	3.49E-04	3.57E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.96E-07	8.92E-08	8.91E-08	0.00E+00	0.00E+00	3.89E-08	7.32E-09	4.65E-08	7.17E-09	6.90E-09	1.07E-07
4452	479863.09	3858377.25	5.00E-04	5.11E-04	5.10E-04	1.73E-07	5.23E-07	3.03E-07	3.09E-07	2.80E-07	1.28E-07	1.28E-07	0.00E+00	0.00E+00	5.57E-08	1.05E-08	6.65E-08	1.03E-08	9.88E-09	1.53E-07
4453	480363.09	3858377.25	5.35E-04	5.46E-04	5.46E-04	1.85E-07	5.60E-07	3.24E-07	3.31E-07	3.00E-07	1.37E-07	1.37E-07	0.00E+00	0.00E+00	5.96E-08	1.12E-08	7.12E-08	1.10E-08	1.06E-08	1.64E-07
4454	480863.09	3858377.25	5.44E-04	5.55E-04	5.54E-04	1.88E-07	5.68E-07	3.29E-07	3.36E-07	3.04E-07	1.39E-07	1.39E-07	0.00E+00	0.00E+00	6.05E-08	1.14E-08	7.23E-08	1.11E-08	1.07E-08	1.66E-07
4455	481363.09	3858377.25	5.63E-04	5.75E-04	5.74E-04	1.95E-07	5.89E-07	3.41E-07	3.48E-07	3.15E-07	1.44E-07	1.44E-07	0.00E+00	0.00E+00	6.27E-08	1.18E-08	7.49E-08	1.16E-08	1.11E-08	1.72E-07
4456	481863.09	3858377.25	5.69E-04	5.81E-04	5.80E-04	1.97E-07	5.95E-07	3.44E-07	3.51E-07	3.19E-07	1.45E-07	1.45E-07	0.00E+00	0.00E+00	6.34E-08	1.19E-08	7.57E-08	1.17E-08	1.12E-08	1.74E-07
4457	482363.09	3858377.25	5.93E-04	6.05E-04	6.04E-04	2.05E-07	6.19E-07	3.59E-07	3.66E-07	3.32E-07	1.51E-07	1.51E-07	0.00E+00	0.00E+00	6.60E-08	1.24E-08	7.88E-08	1.22E-08	1.17E-08	1.81E-07
4458	482863.09	3858377.25	6.34E-04	6.47E-04	6.46E-04	2.19E-07	6.62E-07	3.84E-07	3.91E-07	3.55E-07	1.62E-07	1.62E-07	0.00E+00	0.00E+00	7.06E-08	1.33E-08	8.43E-08	1.30E-08	1.25E-08	1.94E-07
4459	483363.09	3858377.25	6.63E-04	6.77E-04	6.76E-04	2.30E-07	6.93E-07	4.01E-07	4.09E-07	3.71E-07	1.69E-07	1.69E-07	0.00E+00	0.00E+00	7.38E-08	1.39E-08	8.82E-08	1.36E-08	1.31E-08	2.03E-07
4460	483863.09	3858377.25	6.94E-04	7.08E-04	7.08E-04	2.40E-07	7.26E-07	4.20E-07	4.29E-07	3.89E-07	1.77E-07	1.77E-07	0.00E+00	0.00E+00	7.73E-08	1.45E-08	9.23E-08	1.42E-08	1.37E-08	2.12E-07
4461	484363.09	3858377.25	7.32E-04	7.47E-04	7.46E-04	2.53E-07	7.65E-07	4.43E-07	4.52E-07	4.10E-07	1.87E-07	1.87E-07	0.00E+00	0.00E+00	8.15E-08	1.53E-08	9.74E-08	1.50E-08	1.45E-08	2.24E-07
4462	484863.09	3858377.25	7.77E-04	7.93E-04	7.92E-04	2.69E-07	8.12E-07	4.70E-07	4.80E-07	4.35E-07	1.99E-07	1.98E-07	0.00E+00	0.00E+00	8.65E-08	1.63E-08	1.03E-07	1.59E-08	1.54E-08	2.37E-07
4463	485363.09	3858377.25	8.38E-04	8.55E-04	8.54E-04	2.90E-07	8.76E-07	5.07E-07	5.17E-07	4.69E-07	2.14E-07	2.14E-07	0.00E+00	0.00E+00	9.33E-08	1.76E-08	1.11E-07	1.72E-08	1.66E-08	2.56E-07
4464	485863.09	3858377.25	9.15E-04	9.33E-04	9.32E-04	3.17E-07	9.56E-07	5.53E-07	5.65E-07	5.12E-07	2.34E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.79E-07
4465	486363.09	3858377.25	1.00E-03	1.02E-03	1.02E-03	3.47E-07	1.05E-06	6.07E-07	6.19E-07	5.61E-07	2.56E-07	2.56E-07	0.00E+00	0.00E+00	1.12E-07	2.10E-08	1.33E-07	2.06E-08	1.98E-08	3.06E-07
4466	486863.09	3858377.25	1.10E-03	1.12E-03	1.12E-03	3.82E-07	1.15E-06	6.67E-07	6.81E-07	6.17E-07	2.82E-07	2.81E-07	0.00E+00	0.00E+00	1.23E-07	2.31E-08	1.47E-07	2.26E-08	2.18E-08	3.37E-07
4467	487363.09	3858377.25	1.24E-03	1.26E-03	1.26E-03	4.28E-07	1.29E-06	7.48E-07	7.64E-07	6.92E-07	3.16E-07	3.16E-07	0.00E+00	0.00E+00	1.38E-07	2.59E-08	1.64E-07	2.54E-08	2.44E-08	3.78E-07
4468	487863.09	3858377.25	1.54E-03	1.58E-03	1.57E-03	5.34E-07	1.61E-06	9.34E-07	9.53E-07	8.64E-07	3.94E-07	3.94E-07	0.00E+00	0.00E+00	1.72E-07	3.24E-08	2.05E-07	3.17E-08	3.05E-08	4.72E-07
4469	488363.09	3858377.25	1.99E-03	2.03E-03	2.03E-03	6.88E-07	2.08E-06	1.20E-06	1.23E-06	1.11E-06	5.08E-07	5.07E-07	0.00E+00	0.00E+00	2.21E-07	4.17E-08	2.64E-07	4.08E-08	3.93E-08	6.07E-07
4470	488863.09	3858377.25	2.24E-03	2.29E-03	2.29E-03	7.76E-07	2.34E-06	1.36E-06	1.38E-06	1.25E-06	5.73E-07	5.72E-07	0.00E+00	0.00E+00	2.50E-07	4.70E-08	2.98E-07	4.60E-08	4.43E-08	6.85E-07
4471	489363.09	3858377.25	2.15E-03	2.19E-03	2.19E-03	7.44E-07	2.25E-06	1.30E-06	1.33E-06	1.20E-06	5.49E-07	5.48E-07	0.00E+00	0.00E+00	2.39E-07	4.50E-08	2.86E-07	4.41E-08	4.24E-08	6.56E-07
4472	489863.09	3858377.25	2.14E-03	2.18E-03	2.18E-03	7.40E-07	2.23E-06	1.29E-06	1.32E-06	1.20E-06	5.46E-07	5.45E-07	0.00E+00	0.00E+00	2.38E-07	4.48E-08	2.84E-07	4.38E-08	4.22E-08	6.53E-07
4473	490363.09	3858377.25	2.21E-03	2.25E-03	2.25E-03	7.65E-07	2.31E-06	1.34E-06	1.36E-06	1.24E-06	5.64E-07	5.63E-07	0.00E+00	0.00E+00	2.46E-07	4.63E-08	2.94E-07	4.53E-08	4.36E-08	6.75E-07

4474	490863.09	3858377.25	2.22E-03	2.26E-03	2.26E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.66E-07	5.65E-07	0.00E+00	0.00E+00	2.47E-07	4.65E-08	2.95E-07	4.55E-08	4.38E-08	6.77E-07
4475	491363.09	3858377.25	1.91E-03	1.95E-03	1.94E-03	6.60E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.87E-07	4.86E-07	0.00E+00	0.00E+00	2.12E-07	4.00E-08	2.54E-07	3.91E-08	3.77E-08	5.83E-07
4476	491863.09	3858377.25	1.40E-03	1.43E-03	1.43E-03	4.84E-07	1.46E-06	8.46E-07	8.63E-07	7.83E-07	3.57E-07	3.57E-07	0.00E+00	0.00E+00	1.56E-07	2.93E-08	1.86E-07	2.87E-08	2.76E-08	4.27E-07
4477	492363.09	3858377.25	1.05E-03	1.07E-03	1.07E-03	3.62E-07	1.09E-06	6.33E-07	6.46E-07	5.86E-07	2.67E-07	2.67E-07	0.00E+00	0.00E+00	1.17E-07	2.19E-08	1.39E-07	2.15E-08	2.07E-08	3.20E-07
4478	492863.09	3858377.25	1.14E-03	1.17E-03	1.17E-03	3.96E-07	1.20E-06	6.92E-07	7.07E-07	6.41E-07	2.92E-07	2.92E-07	0.00E+00	0.00E+00	1.27E-07	2.40E-08	1.52E-07	2.35E-08	2.26E-08	3.50E-07
4479	493363.09	3858377.25	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.42E-07	6.55E-07	5.94E-07	2.71E-07	2.71E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.18E-08	2.10E-08	3.24E-07
4480	493863.09	3858377.25	1.01E-03	1.03E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.26E-07	5.67E-07	2.59E-07	2.59E-07	0.00E+00	0.00E+00	1.13E-07	2.12E-08	1.35E-07	2.08E-08	2.00E-08	3.10E-07
4481	494363.09	3858377.25	9.41E-04	9.60E-04	9.59E-04	3.26E-07	9.84E-07	5.69E-07	5.81E-07	5.27E-07	2.40E-07	2.40E-07	0.00E+00	0.00E+00	1.05E-07	1.97E-08	1.25E-07	1.93E-08	1.86E-08	2.88E-07
4482	494863.09	3858377.25	8.73E-04	8.91E-04	8.90E-04	3.02E-07	9.13E-07	5.28E-07	5.39E-07	4.89E-07	2.23E-07	2.23E-07	0.00E+00	0.00E+00	9.72E-08	1.83E-08	1.16E-07	1.79E-08	1.72E-08	2.67E-07
4483	495363.09	3858377.25	7.84E-04	8.00E-04	7.99E-04	2.71E-07	8.19E-07	4.74E-07	4.84E-07	4.39E-07	2.00E-07	2.00E-07	0.00E+00	0.00E+00	8.72E-08	1.64E-08	1.04E-07	1.61E-08	1.55E-08	2.39E-07
4484	495863.09	3858377.25	7.59E-04	7.75E-04	7.74E-04	2.63E-07	7.94E-07	4.59E-07	4.69E-07	4.25E-07	1.94E-07	1.94E-07	0.00E+00	0.00E+00	8.45E-08	1.59E-08	1.01E-07	1.56E-08	1.50E-08	2.32E-07
4485	496363.09	3858377.25	7.31E-04	7.46E-04	7.45E-04	2.53E-07	7.64E-07	4.42E-07	4.51E-07	4.09E-07	1.87E-07	1.86E-07	0.00E+00	0.00E+00	8.14E-08	1.53E-08	9.72E-08	1.50E-08	1.44E-08	2.23E-07
4486	496863.09	3858377.25	7.51E-04	7.66E-04	7.65E-04	2.60E-07	7.84E-07	4.54E-07	4.63E-07	4.20E-07	1.92E-07	1.91E-07	0.00E+00	0.00E+00	8.35E-08	1.57E-08	9.98E-08	1.54E-08	1.48E-08	2.29E-07
4487	497363.09	3858377.25	7.44E-04	7.59E-04	7.58E-04	2.57E-07	7.77E-07	4.50E-07	4.59E-07	4.16E-07	1.90E-07	1.90E-07	0.00E+00	0.00E+00	8.28E-08	1.56E-08	9.89E-08	1.53E-08	1.47E-08	2.27E-07
4488	497863.09	3858377.25	8.06E-04	8.22E-04	8.21E-04	2.79E-07	8.42E-07	4.88E-07	4.98E-07	4.51E-07	2.06E-07	2.06E-07	0.00E+00	0.00E+00	8.97E-08	1.69E-08	1.07E-07	1.65E-08	1.59E-08	2.46E-07
4489	498363.09	3858377.25	8.90E-04	9.08E-04	9.07E-04	3.08E-07	9.30E-07	5.38E-07	5.49E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.90E-08	1.86E-08	1.18E-07	1.82E-08	1.76E-08	2.72E-07
4490	471363.09	3858877.25	3.09E-04	3.15E-04	3.15E-04	1.07E-07	3.23E-07	1.87E-07	1.91E-07	1.73E-07	7.89E-08	7.88E-08	0.00E+00	0.00E+00	3.44E-08	6.47E-09	4.11E-08	6.33E-09	6.10E-09	9.43E-08
4491	471863.09	3858877.25	3.14E-04	3.21E-04	3.20E-04	1.09E-07	3.28E-07	1.90E-07	1.94E-07	1.76E-07	8.02E-08	8.01E-08	0.00E+00	0.00E+00	3.50E-08	6.58E-09	4.18E-08	6.44E-09	6.20E-09	9.60E-08
4492	472363.09	3858877.25	3.26E-04	3.33E-04	3.33E-04	1.13E-07	3.41E-07	1.98E-07	2.02E-07	1.83E-07	8.34E-08	8.33E-08	0.00E+00	0.00E+00	3.63E-08	6.84E-09	4.34E-08	6.70E-09	6.45E-09	9.97E-08
4493	472863.09	3858877.25	3.37E-04	3.44E-04	3.44E-04	1.17E-07	3.52E-07	2.04E-07	2.08E-07	1.89E-07	8.61E-08	8.60E-08	0.00E+00	0.00E+00	3.75E-08	7.06E-09	4.48E-08	6.91E-09	6.66E-09	1.03E-07
4494	473363.09	3858877.25	3.54E-04	3.61E-04	3.61E-04	1.23E-07	3.70E-07	2.14E-07	2.19E-07	1.98E-07	9.05E-08	9.03E-08	0.00E+00	0.00E+00	3.94E-08	7.42E-09	4.71E-08	7.26E-09	7.00E-09	1.08E-07
4495	473863.09	3858877.25	3.58E-04	3.65E-04	3.65E-04	1.24E-07	3.74E-07	2.17E-07	2.21E-07	2.00E-07	9.14E-08	9.13E-08	0.00E+00	0.00E+00	3.99E-08	7.50E-09	4.76E-08	7.34E-09	7.07E-09	1.09E-07
4496	474363.09	3858877.25	3.39E-04	3.46E-04	3.45E-04	1.17E-07	3.54E-07	2.05E-07	2.09E-07	1.90E-07	8.65E-08	8.64E-08	0.00E+00	0.00E+00	3.77E-08	7.10E-09	4.51E-08	6.95E-09	6.69E-09	1.04E-07
4497	474863.09	3858877.25	1.87E-04	1.91E-04	1.90E-04	6.47E-08	1.95E-07	1.13E-07	1.15E-07	1.05E-07	4.77E-08	4.77E-08	0.00E+00	0.00E+00	2.08E-08	3.92E-09	2.48E-08	3.83E-09	3.69E-09	5.71E-08
4498	475363.09	3858877.25	1.29E-04	1.32E-04	1.32E-04	4.47E-08	1.35E-07	7.81E-08	7.97E-08	7.22E-08	3.30E-08	3.29E-08	0.00E+00	0.00E+00	1.44E-08	2.70E-09	1.72E-08	2.65E-09	2.55E-09	3.94E-08
4499	475863.09	3858877.25	1.47E-04	1.50E-04	1.50E-04	5.08E-08	1.53E-07	8.88E-08	9.06E-08	8.21E-08	3.75E-08	3.74E-08	0.00E+00	0.00E+00	1.63E-08	3.08E-09	1.95E-08	3.01E-09	2.90E-09	4.48E-08
4500	476363.09	3858877.25	7.96E-05	8.12E-05	8.11E-05	2.75E-08	8.32E-08	4.81E-08	4.91E-08	4.45E-08	2.03E-08	2.03E-08	0.00E+00	0.00E+00	8.86E-09	1.67E-09	1.06E-08	1.63E-09	1.57E-09	2.43E-08
4501	476863.09	3858877.25	1.05E-04	1.07E-04	1.07E-04	3.63E-08	1.10E-07	6.35E-08	6.48E-08	5.87E-08	2.68E-08	2.68E-08	0.00E+00	0.00E+00	1.17E-08	2.20E-09	1.39E-08	2.15E-09	2.07E-09	3.20E-08
4502	477363.09	3858877.25	1.08E-04	1.10E-04	1.10E-04	3.72E-08	1.12E-07	6.51E-08	6.64E-08	6.02E-08	2.75E-08	2.74E-08	0.00E+00	0.00E+00	1.20E-08	2.25E-09	1.43E-08	2.21E-09	2.12E-09	3.29E-08
4503	477863.09	3858877.25	1.38E-04	1.40E-04	1.40E-04	4.76E-08	1.44E-07	8.33E-08	8.50E-08	7.70E-08	3.51E-08	3.51E-08	0.00E+00	0.00E+00	1.53E-08	2.88E-09	1.83E-08	2.82E-09	2.72E-09	4.20E-08
4504	478363.09	3858877.25	2.73E-04	2.78E-04	2.78E-04	9.45E-08	2.85E-07	1.65E-07	1.68E-07	1.53E-07	6.97E-08	6.96E-08	0.00E+00	0.00E+00	3.04E-08	5.72E-09	3.63E-08	5.60E-09	5.39E-09	8.34E-08
4505	478863.09	3858877.25	2.30E-04	2.35E-04	2.34E-04	7.96E-08	2.40E-07	1.39E-07	1.42E-07	1.29E-07	5.87E-08	5.86E-08	0.00E+00	0.00E+00	2.56E-08	4.82E-09	3.06E-08	4.71E-09	4.54E-09	7.02E-08
4506	479363.09	3858877.25	1.82E-04	1.86E-04	1.86E-04	6.31E-08	1.91E-07	1.10E-07	1.13E-07	1.02E-07	4.66E-08	4.65E-08	0.00E+00	0.00E+00	2.03E-08	3.82E-09	2.43E-08	3.74E-09	3.60E-09	5.57E-08
4507	479863.09	3858877.25	4.80E-04	4.90E-04	4.89E-04	1.66E-07	5.01E-07	2.90E-07	2.96E-07	2.68E-07	1.23E-07	1.22E-07	0.00E+00	0.00E+00	5.34E-08	1.01E-08	6.38E-08	9.84E-09	9.48E-09	1.47E-07
4508	480363.09	3858877.25	5.00E-04	5.10E-04	5.09E-04	1.73E-07	5.22E-07	3.02E-07	3.09E-07	2.80E-07	1.28E-07	1.27E-07	0.00E+00	0.00E+00	5.56E-08	1.05E-08	6.65E-08	1.02E-08	9.87E-09	1.53E-07
4509	480863.09	3858877.25	5.16E-04	5.26E-04	5.26E-04	1.79E-07	5.39E-07	3.12E-07	3.19E-07	2.89E-07	1.32E-07	1.32E-07	0.00E+00	0.00E+00	5.74E-08	1.08E-08	6.86E-08	1.06E-08	1.02E-08	1.58E-07
4510	481363.09	3858877.25	5.29E-04	5.40E-04	5.39E-04	1.83E-07	5.53E-07	3.20E-07	3.27E-07	2.96E-07	1.35E-07	1.35E-07	0.00E+00	0.00E+00	5.89E-08	1.11E-08	7.04E-08	1.09E-08	1.05E-08	1.62E-07
4511	481863.09	3858877.25	5.38E-04	5.49E-04	5.48E-04	1.86E-07	5.62E-07	3.26E-07	3.32E-07	3.01E-07	1.37E-07	1.37E-07	0.00E+00	0.00E+00	5.99E-08	1.13E-08	7.16E-08	1.10E-08	1.06E-08	1.64E-07
4512	482363.09	3858877.25	5.50E-04	5.61E-04	5.61E-04	1.90E-07	5.75E-07	3.33E-07	3.40E-07	3.08E-07	1.40E-07	1.40E-07	0.00E+00	0.00E+00	6.12E-08	1.15E-08	7.32E-08	1.13E-08	1.09E-08	1.68E-07
4513	482863.09	3858877.25	5.72E-04	5.83E-04	5.83E-04	1.98E-07	5.97E-07	3.46E-07	3.53E-07	3.20E-07	1.46E-07	1.46E-07	0.00E+00	0.00E+00	6.36E-08	1.20E-08	7.60E-08	1.17E-08	1.13E-08	1.75E-07
4514	483363.09	3858877.25	6.18E-04	6.31E-04	6.30E-04	2.14E-07	6.46E-07	3.74E-07	3.82E-07	3.46E-07	1.58E-07	1.58E-07	0.00E+00	0.00E+00	6.88E-08	1.29E-08	8.22E-08	1.27E-08	1.22E-08	1.89E-07
4515	483863.09	3858877.25	6.51E-04	6.64E-04	6.63E-04	2.25E-07	6.80E-07	3.94E-07	4.02E-07	3.64E-07	1.66E-07	1.66E-07	0.00E+00	0.00E+00	7.24E-08	1.36E-08	8.65E-08	1.33E-08	1.29E-08	1.99E-07
4516	484363.09	3858877.25	6.92E-04	7.06E-04	7.05E-04	2.39E-07	7.23E-07	4.18E-07	4.27E-07	3.87E-07	1.77E-07	1.76E-07	0.00E+00	0.00E+00	7.70E-08	1.45E-08	9.20E-08	1.42E-08	1.37E-08	2.11E-07
4517	484863.09	3858877.25	7.41E-04	7.56E-04	7.55E-04	2.57E-07	7.75E-07	4.48E-07	4.58E-07	4.15E-07	1.89E-07	1.89E-07	0.00E+00	0.00E+00	8.25E-08	1.55E-08	9.86E-08	1.52E-08	1.46E-08	2.26E-07
4518	485363.09	3858877.25	8.10E-04	8.26E-04	8.25E-04	2.80E-07	8.46E-07	4.90E-07	5.00E-07	4.53E-07	2.07E-07	2.07E-07	0.00E+00	0.00E+00	9.01E-08	1.70E-08	1.08E-07	1.66E-08	1.60E-08	2.47E-07
4519	485863.09	3858877.25	9.08E-04	9.27E-04	9.26E-04	3.14E-07	9.49E-07	5.49E-07	5.61E-07	5.08E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.77E-07
4520	486363.09	3858877.25	1.03E-03	1.05E-03	1.05E-03	3.58E-07	1.08E-06	6.25E-07	6.38E-07	5.78E-07	2.64E-07	2.64E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.37E-07	2.12E-08	2.04E-08	3.16E-07
4521	486863.09	3858877.25	1.22E-03	1.24E-03	1.24E-03	4.21E-07	1.27E-06	7.35E-07	7.50E-07	6.80E-07	3.10E-07	3.10E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.49E-08	2.40E-08	3.71E-07
4522	487363.09	3858877.25	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.40E-07	8.52E-07	3.89E-07	3.88E-07	0.00E+00	0.00E+00	1.69E-07	3.19E-08	2.02E-07	3.12E-08	3.01E-08	4.65E-07
4523	487863.09	3858877.25	2.04E-03	2.08E-03	2.08E-03	7.06E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.21E-07	5.20E-07	0.00E+00	0.00E+00	2.27E-07	4.27E-08	2.71E-07	4.18E-08	4.03E-08	6.23E-07
4524	488363.09	3858877.25	3.42E-03	3.49E-03	3.48E-03	1.18E-06	3.57E-06	2.07E-06	2.11E-06	1.91E-06	8.73E-07	8.72E-07	0.00E+00	0.00E+00	3.80E-07	7.16E-08	4.54E-07	7.01E-08	6.75E-08	1.04E-06
4525	488863.09	3858877.25	1.60E-02	1.63E-02	1.63E-02	5.53E-06	1.67E-05	9.67E-06	9.86E-06	8.94E-06	4.08E-06	4.08E-06	0.00E+00	0.00E+00	1.78E-06	3.35E-07	2.12E-06	3.28E-07	3.16E-07	4.88E-06
4526	489363.09	3858877.25	1.51E-02	1.54E-02	1.54E-02	5.23E-06	1.58E-05	9.15E-06	9.34E-06	8.46E-06	3.86E-06	3.86E-06	0.00E+00	0.00E+00	1.68E-06	3.17E-07	2.01E-06	3.10E-07	2.99E-07	4.62E-06
4527	489863.09	3858877.25	9.73E-03	9.93E-03	9.92E-03	3.37E-06	1.02E-05	5.89E-06	6.01E-06	5.45E-06	2.48E-06	2.48E-06	0.00E+00	0.00E+00	1.08E-06	2.04E-07	1.29E-06	2.00E-07	1.92E-07	2.97E-06
4528	490363.09	3858877.25	6.83E-03	6.97E-03	6.97E-03	2.37E-06	7.14E-06	4.14E-06	4.22E-06	3.83E-06	1.75E-06	1.74E-06	0.00E+00	0.00E+00	7.61E-07	1.43E-07	9.09E-07	1.40E-07	1.35E-07	2.09E-06
4529	490863.09	3858877.25	4.50E-03	4.59E-03	4.58E-03	1.56E-06	4.70E-06	2.72E-06	2.78E-06	2.52E-06	1.15E-06	1.15E-06	0.00E+00	0.00E+00	5.00E-07	9.42E-08	5.98E-07	9.22E-08	8.88E-08	1.37E-06

4530	491363.09	3858877.25	2.87E-03	2.93E-03	2.93E-03	9.94E-07	3.00E-06	1.74E-06	1.77E-06	1.61E-06	7.34E-07	7.33E-07	0.00E+00	0.00E+00	3.20E-07	6.02E-08	3.82E-07	5.89E-08	5.67E-08	8.78E-07
4531	491863.09	3858877.25	2.01E-03	2.05E-03	2.05E-03	6.96E-07	2.10E-06	1.22E-06	1.24E-06	1.13E-06	5.14E-07	5.13E-07	0.00E+00	0.00E+00	2.24E-07	4.21E-08	2.67E-07	4.12E-08	3.97E-08	6.14E-07
4532	492363.09	3858877.25	2.15E-03	2.20E-03	2.19E-03	7.45E-07	2.25E-06	1.30E-06	1.33E-06	1.20E-06	5.50E-07	5.49E-07	0.00E+00	0.00E+00	2.40E-07	4.51E-08	2.86E-07	4.41E-08	4.25E-08	6.58E-07
4533	492863.09	3858877.25	2.40E-03	2.45E-03	2.44E-03	8.30E-07	2.51E-06	1.45E-06	1.48E-06	1.34E-06	6.12E-07	6.11E-07	0.00E+00	0.00E+00	2.67E-07	5.02E-08	3.19E-07	4.92E-08	4.73E-08	7.32E-07
4534	493363.09	3858877.25	2.07E-03	2.11E-03	2.11E-03	7.17E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	5.28E-07	0.00E+00	0.00E+00	2.31E-07	4.34E-08	2.75E-07	4.25E-08	4.09E-08	6.33E-07
4535	493863.09	3858877.25	1.68E-03	1.71E-03	1.71E-03	5.81E-07	1.76E-06	1.02E-06	1.04E-06	9.40E-07	4.29E-07	4.28E-07	0.00E+00	0.00E+00	1.87E-07	3.52E-08	2.23E-07	3.44E-08	3.32E-08	5.13E-07
4536	494363.09	3858877.25	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.40E-07	8.52E-07	3.89E-07	3.88E-07	0.00E+00	0.00E+00	1.69E-07	3.19E-08	2.02E-07	3.12E-08	3.01E-08	4.65E-07
4537	494863.09	3858877.25	1.36E-03	1.39E-03	1.39E-03	4.71E-07	1.42E-06	8.23E-07	8.40E-07	7.61E-07	3.47E-07	3.47E-07	0.00E+00	0.00E+00	1.51E-07	2.85E-08	1.81E-07	2.79E-08	2.69E-08	4.16E-07
4538	495363.09	3858877.25	1.21E-03	1.23E-03	1.23E-03	4.17E-07	1.26E-06	7.29E-07	7.44E-07	6.75E-07	3.08E-07	3.07E-07	0.00E+00	0.00E+00	1.34E-07	2.53E-08	1.60E-07	2.47E-08	2.38E-08	3.68E-07
4539	495863.09	3858877.25	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.72E-07	6.85E-07	6.21E-07	2.83E-07	2.83E-07	0.00E+00	0.00E+00	1.24E-07	2.33E-08	1.48E-07	2.28E-08	2.19E-08	3.39E-07
4540	496363.09	3858877.25	1.05E-03	1.07E-03	1.07E-03	3.64E-07	1.10E-06	6.36E-07	6.49E-07	5.89E-07	2.69E-07	2.68E-07	0.00E+00	0.00E+00	1.17E-07	2.20E-08	1.40E-07	2.16E-08	2.08E-08	3.21E-07
4541	496863.09	3858877.25	9.98E-04	1.02E-03	1.02E-03	3.45E-07	1.04E-06	6.04E-07	6.16E-07	5.59E-07	2.55E-07	2.55E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.33E-07	2.05E-08	1.97E-08	3.05E-07
4542	497363.09	3858877.25	9.49E-04	9.68E-04	9.67E-04	3.28E-07	9.92E-07	5.74E-07	5.86E-07	5.31E-07	2.42E-07	2.42E-07	0.00E+00	0.00E+00	1.06E-07	1.99E-08	1.26E-07	1.95E-08	1.87E-08	2.90E-07
4543	497863.09	3858877.25	1.01E-03	1.03E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.26E-07	5.68E-07	2.59E-07	2.59E-07	0.00E+00	0.00E+00	1.13E-07	2.13E-08	1.35E-07	2.08E-08	2.00E-08	3.10E-07
4544	498363.09	3858877.25	1.09E-03	1.11E-03	1.11E-03	3.76E-07	1.14E-06	6.58E-07	6.71E-07	6.09E-07	2.78E-07	2.77E-07	0.00E+00	0.00E+00	1.21E-07	2.28E-08	1.45E-07	2.23E-08	2.15E-08	3.32E-07
4545	471363.09	3859377.25	2.93E-04	2.99E-04	2.98E-04	1.01E-07	3.06E-07	1.77E-07	1.81E-07	1.64E-07	7.47E-08	7.46E-08	0.00E+00	0.00E+00	3.26E-08	6.13E-09	3.89E-08	6.00E-09	5.78E-09	8.94E-08
4546	471863.09	3859377.25	3.00E-04	3.06E-04	3.06E-04	1.04E-07	3.14E-07	1.82E-07	1.85E-07	1.68E-07	7.67E-08	7.66E-08	0.00E+00	0.00E+00	3.34E-08	6.29E-09	3.99E-08	6.16E-09	5.93E-09	9.17E-08
4547	472363.09	3859377.25	3.12E-04	3.19E-04	3.18E-04	1.08E-07	3.26E-07	1.89E-07	1.93E-07	1.75E-07	7.98E-08	7.97E-08	0.00E+00	0.00E+00	3.48E-08	6.55E-09	4.15E-08	6.41E-09	6.17E-09	9.54E-08
4548	472863.09	3859377.25	3.23E-04	3.30E-04	3.29E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.81E-07	8.26E-08	8.25E-08	0.00E+00	0.00E+00	3.60E-08	6.77E-09	4.30E-08	6.63E-09	6.38E-09	9.88E-08
4549	473363.09	3859377.25	3.36E-04	3.43E-04	3.42E-04	1.16E-07	3.51E-07	2.03E-07	2.07E-07	1.88E-07	8.58E-08	8.57E-08	0.00E+00	0.00E+00	3.74E-08	7.04E-09	4.47E-08	6.89E-09	6.63E-09	1.03E-07
4550	473863.09	3859377.25	3.44E-04	3.51E-04	3.50E-04	1.19E-07	3.59E-07	2.08E-07	2.12E-07	1.92E-07	8.78E-08	8.77E-08	0.00E+00	0.00E+00	3.83E-08	7.21E-09	4.57E-08	7.05E-09	6.79E-09	1.05E-07
4551	474363.09	3859377.25	3.25E-04	3.31E-04	3.31E-04	1.12E-07	3.39E-07	1.96E-07	2.00E-07	1.82E-07	8.29E-08	8.28E-08	0.00E+00	0.00E+00	3.61E-08	6.81E-09	4.32E-08	6.66E-09	6.41E-09	9.92E-08
4552	474863.09	3859377.25	2.63E-04	2.68E-04	2.68E-04	9.09E-08	2.74E-07	1.59E-07	1.62E-07	1.47E-07	6.70E-08	6.70E-08	0.00E+00	0.00E+00	2.92E-08	5.50E-09	3.49E-08	5.38E-09	5.19E-09	8.02E-08
4553	475363.09	3859377.25	1.79E-04	1.83E-04	1.82E-04	6.19E-08	1.87E-07	1.08E-07	1.10E-07	1.00E-07	4.57E-08	4.56E-08	0.00E+00	0.00E+00	1.99E-08	3.75E-09	2.38E-08	3.67E-09	3.53E-09	5.46E-08
4554	475863.09	3859377.25	1.08E-04	1.10E-04	1.10E-04	3.72E-08	1.12E-07	6.51E-08	6.64E-08	6.02E-08	2.75E-08	2.74E-08	0.00E+00	0.00E+00	1.20E-08	2.25E-09	1.43E-08	2.21E-09	2.12E-09	3.29E-08
4555	476363.09	3859377.25	9.13E-05	9.32E-05	9.31E-05	3.16E-08	9.55E-08	5.53E-08	5.64E-08	5.11E-08	2.33E-08	2.33E-08	0.00E+00	0.00E+00	1.02E-08	1.91E-09	1.21E-08	1.87E-09	1.80E-09	2.79E-08
4556	476863.09	3859377.25	6.87E-05	7.01E-05	7.00E-05	2.38E-08	7.18E-08	4.15E-08	4.24E-08	3.84E-08	1.75E-08	1.75E-08	0.00E+00	0.00E+00	7.64E-09	1.44E-09	9.13E-09	1.41E-09	1.36E-09	2.10E-08
4557	477363.09	3859377.25	7.54E-05	7.70E-05	7.69E-05	2.61E-08	7.88E-08	4.56E-08	4.66E-08	4.22E-08	1.93E-08	1.92E-08	0.00E+00	0.00E+00	8.40E-09	1.58E-09	1.00E-08	1.55E-09	1.49E-09	2.30E-08
4558	477863.09	3859377.25	1.57E-04	1.61E-04	1.60E-04	5.45E-08	1.64E-07	9.52E-08	9.72E-08	8.81E-08	4.02E-08	4.01E-08	0.00E+00	0.00E+00	1.75E-08	3.30E-09	2.09E-08	3.23E-09	3.11E-09	4.81E-08
4559	478363.09	3859377.25	2.37E-04	2.42E-04	2.42E-04	8.21E-08	2.48E-07	1.44E-07	1.46E-07	1.33E-07	6.06E-08	6.05E-08	0.00E+00	0.00E+00	2.64E-08	4.97E-09	3.15E-08	4.86E-09	4.69E-09	7.25E-08
4560	478863.09	3859377.25	3.25E-04	3.32E-04	3.32E-04	1.13E-07	3.40E-07	1.97E-07	2.01E-07	1.82E-07	8.31E-08	8.30E-08	0.00E+00	0.00E+00	3.62E-08	6.82E-09	4.33E-08	6.67E-09	6.43E-09	9.94E-08
4561	479363.09	3859377.25	3.88E-04	3.96E-04	3.96E-04	1.34E-07	4.06E-07	2.35E-07	2.40E-07	2.17E-07	9.91E-08	9.90E-08	0.00E+00	0.00E+00	4.32E-08	8.13E-09	5.16E-08	7.96E-09	7.67E-09	1.19E-07
4562	479863.09	3859377.25	4.29E-04	4.37E-04	4.37E-04	1.48E-07	4.48E-07	2.59E-07	2.65E-07	2.40E-07	1.09E-07	1.09E-07	0.00E+00	0.00E+00	4.77E-08	8.99E-09	5.70E-08	8.79E-09	8.47E-09	1.31E-07
4563	480363.09	3859377.25	4.59E-04	4.69E-04	4.68E-04	1.59E-07	4.80E-07	2.78E-07	2.84E-07	2.57E-07	1.17E-07	1.17E-07	0.00E+00	0.00E+00	5.11E-08	9.63E-09	6.11E-08	9.42E-09	9.07E-09	1.40E-07
4564	480863.09	3859377.25	4.81E-04	4.91E-04	4.90E-04	1.67E-07	5.03E-07	2.91E-07	2.97E-07	2.69E-07	1.23E-07	1.23E-07	0.00E+00	0.00E+00	5.36E-08	1.01E-08	6.40E-08	9.87E-09	9.50E-09	1.47E-07
4565	481363.09	3859377.25	4.95E-04	5.05E-04	5.05E-04	1.71E-07	5.18E-07	3.00E-07	3.06E-07	2.77E-07	1.26E-07	1.26E-07	0.00E+00	0.00E+00	5.51E-08	1.04E-08	6.59E-08	1.02E-08	9.78E-09	1.51E-07
4566	481863.09	3859377.25	5.06E-04	5.16E-04	5.16E-04	1.75E-07	5.29E-07	3.06E-07	3.12E-07	2.83E-07	1.29E-07	1.29E-07	0.00E+00	0.00E+00	5.63E-08	1.06E-08	6.73E-08	1.04E-08	9.99E-09	1.55E-07
4567	482363.09	3859377.25	5.19E-04	5.30E-04	5.29E-04	1.80E-07	5.43E-07	3.14E-07	3.21E-07	2.91E-07	1.33E-07	1.32E-07	0.00E+00	0.00E+00	5.78E-08	1.09E-08	6.90E-08	1.06E-08	1.03E-08	1.59E-07
4568	482863.09	3859377.25	5.40E-04	5.51E-04	5.51E-04	1.87E-07	5.65E-07	3.27E-07	3.34E-07	3.02E-07	1.38E-07	1.38E-07	0.00E+00	0.00E+00	6.02E-08	1.13E-08	7.19E-08	1.11E-08	1.07E-08	1.65E-07
4569	483363.09	3859377.25	5.78E-04	5.89E-04	5.89E-04	2.00E-07	6.04E-07	3.49E-07	3.57E-07	3.23E-07	1.47E-07	1.47E-07	0.00E+00	0.00E+00	6.43E-08	1.21E-08	7.68E-08	1.18E-08	1.14E-08	1.76E-07
4570	483863.09	3859377.25	6.11E-04	6.24E-04	6.23E-04	2.12E-07	6.39E-07	3.70E-07	3.77E-07	3.42E-07	1.56E-07	1.56E-07	0.00E+00	0.00E+00	6.80E-08	1.28E-08	8.13E-08	1.25E-08	1.21E-08	1.87E-07
4571	484363.09	3859377.25	6.52E-04	6.66E-04	6.65E-04	2.26E-07	6.82E-07	3.95E-07	4.03E-07	3.65E-07	1.67E-07	1.66E-07	0.00E+00	0.00E+00	7.26E-08	1.37E-08	8.68E-08	1.34E-08	1.29E-08	1.99E-07
4572	484863.09	3859377.25	7.02E-04	7.17E-04	7.16E-04	2.43E-07	7.34E-07	4.25E-07	4.34E-07	3.93E-07	1.79E-07	1.79E-07	0.00E+00	0.00E+00	7.82E-08	1.47E-08	9.34E-08	1.44E-08	1.39E-08	2.15E-07
4573	485363.09	3859377.25	7.68E-04	7.84E-04	7.83E-04	2.66E-07	8.03E-07	4.65E-07	4.74E-07	4.30E-07	1.96E-07	1.96E-07	0.00E+00	0.00E+00	8.55E-08	1.61E-08	1.02E-07	1.58E-08	1.52E-08	2.35E-07
4574	485863.09	3859377.25	8.62E-04	8.79E-04	8.78E-04	2.98E-07	9.01E-07	5.21E-07	5.32E-07	4.82E-07	2.20E-07	2.20E-07	0.00E+00	0.00E+00	9.59E-08	1.81E-08	1.15E-07	1.77E-08	1.70E-08	2.63E-07
4575	486363.09	3859377.25	9.94E-04	1.01E-03	1.01E-03	3.44E-07	1.04E-06	6.01E-07	6.14E-07	5.56E-07	2.54E-07	2.54E-07	0.00E+00	0.00E+00	1.11E-07	2.08E-08	1.32E-07	2.04E-08	1.96E-08	3.04E-07
4576	486863.09	3859377.25	1.18E-03	1.20E-03	1.20E-03	4.09E-07	1.23E-06	7.14E-07	7.29E-07	6.61E-07	3.01E-07	3.01E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.42E-08	2.33E-08	3.61E-07
4577	487363.09	3859377.25	1.49E-03	1.52E-03	1.51E-03	5.14E-07	1.55E-06	8.99E-07	9.17E-07	8.32E-07	3.79E-07	3.79E-07	0.00E+00	0.00E+00	1.65E-07	3.11E-08	1.98E-07	3.05E-08	2.93E-08	4.54E-07
4578	487863.09	3859377.25	2.10E-03	2.14E-03	2.14E-03	7.25E-07	2.19E-06	1.27E-06	1.29E-06	1.17E-06	5.35E-07	5.34E-07	0.00E+00	0.00E+00	2.33E-07	4.39E-08	2.79E-07	4.30E-08	4.14E-08	6.40E-07
4579	488363.09	3859377.25	3.30E-03	3.37E-03	3.36E-03	1.14E-06	3.45E-06	2.00E-06	2.04E-06	1.85E-06	8.43E-07	8.42E-07	0.00E+00	0.00E+00	3.67E-07	6.91E-08	4.39E-07	6.77E-08	6.52E-08	1.01E-06
4580	488863.09	3859377.25	6.65E-03	6.79E-03	6.78E-03	2.30E-06	6.95E-06	4.02E-06	4.11E-06	3.72E-06	1.70E-06	1.70E-06	0.00E+00	0.00E+00	7.40E-07	1.39E-07	8.84E-07	1.36E-07	1.31E-07	2.03E-06
4581	489363.09	3859377.25	1.79E-02	1.83E-02	1.83E-02	6.21E-06	1.88E-05	1.09E-05	1.11E-05	1.00E-05	4.58E-06	4.58E-06	0.00E+00	0.00E+00	2.00E-06	3.76E-07	2.39E-06	3.68E-07	3.54E-07	5.48E-06
4582	489863.09	3859377.25	6.24E-02	6.37E-02	6.36E-02	2.16E-05	6.53E-05	3.78E-05	3.86E-05	3.50E-05	1.59E-05	1.59E-05	0.00E+00	0.00E+00	6.95E-06	1.31E-06	8.30E-06	1.28E-06	1.23E-06	1.91E-05
4583	490363.09	3859377.25	2.15E-02	2.19E-02	2.19E-02	7.44E-06	2.25E-05	1.30E-05	1.33E-05	1.20E-05	5.49E-06	5.48E-06	0.00E+00	0.00E+00	2.39E-06	4.51E-07	2.86E-06	4.41E-07	4.25E-07	6.57E-06
4584	490863.09	3859377.25	1.06E-02	1.08E-02	1.08E-02	3.65E-06	1.10E-05	6.39E-06	6.52E-06	5.91E-06	2.70E-06	2.69E-06	0.00E+00	0.00E+00	1.18E-06	2.21E-07	1.40E-06	2.16E-07	2.09E-07	3.23E-06
4585	491363.09	3859377.25	5.24E-03	5.35E-03	5.34E-03	1.81E-06	5.48E-06	3.17E-06	3.24E-06	2.93E-06	1.34E-06	1.34E-06	0.00E+00	0.00E+00	5.84E-07	1.10E-07	6.97E-07	1.08E-07	1.04E-07	1.60E-06

4586	491863.09	3859377.25	5.56E-03	5.68E-03	5.67E-03	1.93E-06	5.82E-06	3.37E-06	3.44E-06	3.11E-06	1.42E-06	1.42E-06	0.00E+00	0.00E+00	6.19E-07	1.17E-07	7.40E-07	1.14E-07	1.10E-07	1.70E-06
4587	492363.09	3859377.25	4.74E-03	4.84E-03	4.83E-03	1.64E-06	4.96E-06	2.87E-06	2.93E-06	2.65E-06	1.21E-06	1.21E-06	0.00E+00	0.00E+00	5.28E-07	9.94E-08	6.30E-07	9.72E-08	9.36E-08	1.45E-06
4588	492863.09	3859377.25	4.24E-03	4.33E-03	4.32E-03	1.47E-06	4.43E-06	2.56E-06	2.62E-06	2.37E-06	1.08E-06	1.08E-06	0.00E+00	0.00E+00	4.72E-07	8.88E-08	5.64E-07	8.69E-08	8.37E-08	1.30E-06
4589	493363.09	3859377.25	3.35E-03	3.42E-03	3.42E-03	1.16E-06	3.51E-06	2.03E-06	2.07E-06	1.88E-06	8.57E-07	8.56E-07	0.00E+00	0.00E+00	3.73E-07	7.03E-08	4.46E-07	6.88E-08	6.63E-08	1.02E-06
4590	493863.09	3859377.25	2.95E-03	3.01E-03	3.01E-03	1.02E-06	3.08E-06	1.79E-06	1.82E-06	1.65E-06	7.54E-07	7.53E-07	0.00E+00	0.00E+00	3.28E-07	6.18E-08	3.92E-07	6.05E-08	5.83E-08	9.01E-07
4591	494363.09	3859377.25	2.50E-03	2.55E-03	2.55E-03	8.66E-07	2.62E-06	1.51E-06	1.55E-06	1.40E-06	6.39E-07	6.38E-07	0.00E+00	0.00E+00	2.79E-07	5.24E-08	3.33E-07	5.13E-08	4.94E-08	7.65E-07
4592	494863.09	3859377.25	1.97E-03	2.01E-03	2.01E-03	6.81E-07	2.06E-06	1.19E-06	1.22E-06	1.10E-06	5.03E-07	5.02E-07	0.00E+00	0.00E+00	2.19E-07	4.13E-08	2.62E-07	4.04E-08	3.89E-08	6.01E-07
4593	495363.09	3859377.25	1.77E-03	1.81E-03	1.80E-03	6.13E-07	1.85E-06	1.07E-06	1.09E-06	9.91E-07	4.52E-07	4.52E-07	0.00E+00	0.00E+00	1.97E-07	3.71E-08	2.35E-07	3.63E-08	3.50E-08	5.41E-07
4594	495863.09	3859377.25	1.55E-03	1.58E-03	1.58E-03	5.37E-07	1.62E-06	9.39E-07	9.58E-07	8.69E-07	3.96E-07	3.96E-07	0.00E+00	0.00E+00	1.73E-07	3.25E-08	2.06E-07	3.18E-08	3.07E-08	4.74E-07
4595	496363.09	3859377.25	1.46E-03	1.49E-03	1.48E-03	5.04E-07	1.52E-06	8.81E-07	8.99E-07	8.15E-07	3.72E-07	3.72E-07	0.00E+00	0.00E+00	1.62E-07	3.05E-08	1.94E-07	2.99E-08	2.88E-08	4.45E-07
4596	496863.09	3859377.25	1.25E-03	1.28E-03	1.28E-03	4.34E-07	1.31E-06	7.58E-07	7.73E-07	7.01E-07	3.20E-07	3.19E-07	0.00E+00	0.00E+00	1.39E-07	2.62E-08	1.67E-07	2.57E-08	2.47E-08	3.83E-07
4597	497363.09	3859377.25	1.23E-03	1.26E-03	1.25E-03	4.26E-07	1.29E-06	7.45E-07	7.60E-07	6.89E-07	3.14E-07	3.14E-07	0.00E+00	0.00E+00	1.37E-07	2.58E-08	1.64E-07	2.52E-08	2.43E-08	3.76E-07
4598	497863.09	3859377.25	1.28E-03	1.31E-03	1.30E-03	4.43E-07	1.34E-06	7.74E-07	7.90E-07	7.16E-07	3.27E-07	3.26E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.53E-08	3.91E-07
4599	498363.09	3859377.25	1.30E-03	1.33E-03	1.33E-03	4.51E-07	1.36E-06	7.89E-07	8.05E-07	7.29E-07	3.33E-07	3.32E-07	0.00E+00	0.00E+00	1.45E-07	2.73E-08	1.73E-07	2.67E-08	2.57E-08	3.98E-07
4600	471363.09	3859877.25	2.78E-04	2.84E-04	2.84E-04	9.64E-08	2.91E-07	1.68E-07	1.72E-07	1.56E-07	7.11E-08	7.10E-08	0.00E+00	0.00E+00	3.10E-08	5.84E-09	3.70E-08	5.71E-09	5.50E-09	8.51E-08
4601	471863.09	3859877.25	2.88E-04	2.93E-04	2.93E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.61E-07	7.34E-08	7.34E-08	0.00E+00	0.00E+00	3.20E-08	6.03E-09	3.82E-08	5.90E-09	5.68E-09	8.79E-08
4602	472363.09	3859877.25	2.96E-04	3.02E-04	3.01E-04	1.02E-07	3.09E-07	1.79E-07	1.82E-07	1.65E-07	7.55E-08	7.54E-08	0.00E+00	0.00E+00	3.29E-08	6.19E-09	3.93E-08	6.06E-09	5.84E-09	9.03E-08
4603	472863.09	3859877.25	3.07E-04	3.13E-04	3.13E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.84E-08	7.83E-08	0.00E+00	0.00E+00	3.42E-08	6.43E-09	4.08E-08	6.30E-09	6.06E-09	9.38E-08
4604	473363.09	3859877.25	3.18E-04	3.24E-04	3.24E-04	1.10E-07	3.32E-07	1.92E-07	1.96E-07	1.78E-07	8.11E-08	8.10E-08	0.00E+00	0.00E+00	3.54E-08	6.66E-09	4.22E-08	6.51E-09	6.27E-09	9.70E-08
4605	473863.09	3859877.25	3.26E-04	3.33E-04	3.33E-04	1.13E-07	3.41E-07	1.98E-07	2.02E-07	1.83E-07	8.34E-08	8.33E-08	0.00E+00	0.00E+00	3.63E-08	6.84E-09	4.34E-08	6.70E-09	6.45E-09	9.97E-08
4606	474363.09	3859877.25	3.17E-04	3.24E-04	3.23E-04	1.10E-07	3.31E-07	1.92E-07	1.96E-07	1.77E-07	8.10E-08	8.09E-08	0.00E+00	0.00E+00	3.53E-08	6.64E-09	4.22E-08	6.50E-09	6.26E-09	9.69E-08
4607	474863.09	3859877.25	2.88E-04	2.94E-04	2.94E-04	9.99E-08	3.02E-07	1.75E-07	1.78E-07	1.61E-07	7.37E-08	7.36E-08	0.00E+00	0.00E+00	3.21E-08	6.05E-09	3.84E-08	5.92E-09	5.70E-09	8.81E-08
4608	475363.09	3859877.25	2.04E-04	2.08E-04	2.08E-04	7.06E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.21E-08	5.20E-08	0.00E+00	0.00E+00	2.27E-08	4.27E-09	2.71E-08	4.18E-09	4.03E-09	6.23E-08
4609	475863.09	3859877.25	1.03E-04	1.05E-04	1.05E-04	3.56E-08	1.07E-07	6.22E-08	6.35E-08	5.76E-08	2.63E-08	2.62E-08	0.00E+00	0.00E+00	1.14E-08	2.16E-09	1.37E-08	2.11E-09	2.03E-09	3.14E-08
4610	476363.09	3859877.25	5.48E-05	5.59E-05	5.59E-05	1.90E-08	5.73E-08	3.32E-08	3.38E-08	3.07E-08	1.40E-08	1.40E-08	0.00E+00	0.00E+00	6.10E-09	1.15E-09	7.29E-09	1.12E-09	1.08E-09	1.67E-08
4611	476863.09	3859877.25	6.54E-05	6.68E-05	6.67E-05	2.26E-08	6.84E-08	3.96E-08	4.04E-08	3.66E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	7.28E-09	1.37E-09	8.70E-09	1.34E-09	1.29E-09	2.00E-08
4612	477363.09	3859877.25	7.04E-05	7.19E-05	7.18E-05	2.44E-08	7.36E-08	4.26E-08	4.35E-08	3.94E-08	1.80E-08	1.80E-08	0.00E+00	0.00E+00	7.84E-09	1.48E-09	9.37E-09	1.44E-09	1.39E-09	2.15E-08
4613	477863.09	3859877.25	1.39E-04	1.42E-04	1.42E-04	4.82E-08	1.46E-07	8.43E-08	8.61E-08	7.80E-08	3.56E-08	3.56E-08	0.00E+00	0.00E+00	1.55E-08	2.92E-09	1.85E-08	2.86E-09	2.75E-09	4.26E-08
4614	478363.09	3859877.25	2.27E-04	2.32E-04	2.32E-04	7.87E-08	2.38E-07	1.38E-07	1.40E-07	1.27E-07	5.81E-08	5.80E-08	0.00E+00	0.00E+00	2.53E-08	4.77E-09	3.03E-08	4.67E-09	4.49E-09	6.95E-08
4615	478863.09	3859877.25	3.08E-04	3.15E-04	3.14E-04	1.07E-07	3.22E-07	1.86E-07	1.90E-07	1.73E-07	7.87E-08	7.86E-08	0.00E+00	0.00E+00	3.43E-08	6.46E-09	4.10E-08	6.32E-09	6.09E-09	9.42E-08
4616	479363.09	3859877.25	3.74E-04	3.81E-04	3.81E-04	1.29E-07	3.91E-07	2.26E-07	2.31E-07	2.09E-07	9.54E-08	9.53E-08	0.00E+00	0.00E+00	4.16E-08	7.83E-09	4.97E-08	7.66E-09	7.38E-09	1.14E-07
4617	479863.09	3859877.25	4.08E-04	4.17E-04	4.16E-04	1.41E-07	4.27E-07	2.47E-07	2.52E-07	2.29E-07	1.04E-07	1.04E-07	0.00E+00	0.00E+00	4.55E-08	8.56E-09	5.43E-08	8.38E-09	8.07E-09	1.25E-07
4618	480363.09	3859877.25	4.35E-04	4.44E-04	4.43E-04	1.50E-07	4.54E-07	2.63E-07	2.68E-07	2.43E-07	1.11E-07	1.11E-07	0.00E+00	0.00E+00	4.84E-08	9.11E-09	5.78E-08	8.91E-09	8.58E-09	1.33E-07
4619	480863.09	3859877.25	4.54E-04	4.63E-04	4.63E-04	1.57E-07	4.74E-07	2.75E-07	2.80E-07	2.54E-07	1.16E-07	1.16E-07	0.00E+00	0.00E+00	5.05E-08	9.51E-09	6.03E-08	9.31E-09	8.96E-09	1.39E-07
4620	481363.09	3859877.25	4.67E-04	4.77E-04	4.76E-04	1.62E-07	4.88E-07	2.83E-07	2.88E-07	2.61E-07	1.19E-07	1.19E-07	0.00E+00	0.00E+00	5.20E-08	9.79E-09	6.21E-08	9.58E-09	9.22E-09	1.43E-07
4621	481863.09	3859877.25	4.79E-04	4.89E-04	4.88E-04	1.66E-07	5.00E-07	2.90E-07	2.96E-07	2.68E-07	1.22E-07	1.22E-07	0.00E+00	0.00E+00	5.33E-08	1.00E-08	6.37E-08	9.82E-09	9.46E-09	1.46E-07
4622	482363.09	3859877.25	4.96E-04	5.06E-04	5.05E-04	1.72E-07	5.18E-07	3.00E-07	3.06E-07	2.78E-07	1.27E-07	1.27E-07	0.00E+00	0.00E+00	5.52E-08	1.04E-08	6.59E-08	1.02E-08	9.80E-09	1.52E-07
4623	482863.09	3859877.25	5.15E-04	5.26E-04	5.25E-04	1.78E-07	5.38E-07	3.12E-07	3.18E-07	2.88E-07	1.32E-07	1.31E-07	0.00E+00	0.00E+00	5.73E-08	1.08E-08	6.85E-08	1.06E-08	1.02E-08	1.57E-07
4624	483363.09	3859877.25	5.43E-04	5.54E-04	5.54E-04	1.88E-07	5.68E-07	3.29E-07	3.35E-07	3.04E-07	1.39E-07	1.39E-07	0.00E+00	0.00E+00	6.05E-08	1.14E-08	7.23E-08	1.11E-08	1.07E-08	1.66E-07
4625	483863.09	3859877.25	5.82E-04	5.94E-04	5.93E-04	2.02E-07	6.09E-07	3.52E-07	3.59E-07	3.26E-07	1.49E-07	1.49E-07	0.00E+00	0.00E+00	6.48E-08	1.22E-08	7.74E-08	1.19E-08	1.15E-08	1.78E-07
4626	484363.09	3859877.25	6.19E-04	6.32E-04	6.31E-04	2.14E-07	6.47E-07	3.75E-07	3.82E-07	3.47E-07	1.58E-07	1.58E-07	0.00E+00	0.00E+00	6.89E-08	1.30E-08	8.24E-08	1.27E-08	1.22E-08	1.89E-07
4627	484863.09	3859877.25	6.67E-04	6.80E-04	6.80E-04	2.31E-07	6.97E-07	4.03E-07	4.12E-07	3.73E-07	1.70E-07	1.70E-07	0.00E+00	0.00E+00	7.42E-08	1.40E-08	8.87E-08	1.37E-08	1.32E-08	2.04E-07
4628	485363.09	3859877.25	7.29E-04	7.44E-04	7.43E-04	2.52E-07	7.62E-07	4.41E-07	4.50E-07	4.08E-07	1.86E-07	1.86E-07	0.00E+00	0.00E+00	8.12E-08	1.53E-08	9.70E-08	1.50E-08	1.44E-08	2.23E-07
4629	485863.09	3859877.25	8.17E-04	8.34E-04	8.33E-04	2.83E-07	8.54E-07	4.95E-07	5.05E-07	4.57E-07	2.09E-07	2.09E-07	0.00E+00	0.00E+00	9.10E-08	1.71E-08	1.09E-07	1.68E-08	1.61E-08	2.50E-07
4630	486363.09	3859877.25	9.45E-04	9.64E-04	9.63E-04	3.27E-07	9.88E-07	5.72E-07	5.83E-07	5.29E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.87E-08	2.89E-07
4631	486863.09	3859877.25	1.14E-03	1.16E-03	1.16E-03	3.95E-07	1.19E-06	6.90E-07	7.04E-07	6.38E-07	2.91E-07	2.91E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.52E-07	2.34E-08	2.25E-08	3.48E-07
4632	487363.09	3859877.25	1.39E-03	1.42E-03	1.42E-03	4.82E-07	1.46E-06	8.43E-07	8.60E-07	7.80E-07	3.56E-07	3.55E-07	0.00E+00	0.00E+00	1.55E-07	2.92E-08	1.85E-07	2.86E-08	2.75E-08	4.26E-07
4633	487863.09	3859877.25	1.83E-03	1.86E-03	1.86E-03	6.32E-07	1.91E-06	1.10E-06	1.13E-06	1.02E-06	4.66E-07	4.66E-07	0.00E+00	0.00E+00	2.03E-07	3.83E-08	2.43E-07	3.74E-08	3.61E-08	5.58E-07
4634	488363.09	3859877.25	2.49E-03	2.54E-03	2.54E-03	8.62E-07	2.60E-06	1.51E-06	1.54E-06	1.39E-06	6.36E-07	6.35E-07	0.00E+00	0.00E+00	2.77E-07	5.22E-08	3.31E-07	5.11E-08	4.92E-08	7.61E-07
4635	488863.09	3859877.25	3.66E-03	3.73E-03	3.73E-03	1.27E-06	3.82E-06	2.21E-06	2.26E-06	2.05E-06	9.34E-07	9.33E-07	0.00E+00	0.00E+00	4.07E-07	7.67E-08	4.86E-07	7.50E-08	7.23E-08	1.12E-06
4636	489363.09	3859877.25	5.57E-03	5.69E-03	5.68E-03	1.93E-06	5.82E-06	3.37E-06	3.44E-06	3.12E-06	1.42E-06	1.42E-06	0.00E+00	0.00E+00	6.20E-07	1.17E-07	7.41E-07	1.14E-07	1.10E-07	1.70E-06
4637	489863.09	3859877.25	9.34E-03	9.53E-03	9.52E-03	3.23E-06	9.77E-06	5.65E-06	5.77E-06	5.23E-06	2.39E-06	2.38E-06	0.00E+00	0.00E+00	1.04E-06	1.96E-07	1.24E-06	1.92E-07	1.85E-07	2.85E-06
4638	490363.09	3859877.25	1.82E-02	1.86E-02	1.86E-02	6.31E-06	1.90E-05	1.10E-05	1.13E-05	1.02E-05	4.65E-06	4.65E-06	0.00E+00	0.00E+00	2.03E-06	3.82E-07	2.42E-06	3.74E-07	3.60E-07	5.57E-06
4639	490863.09	3859877.25	8.99E-02	9.17E-02	9.16E-02	3.11E-05	9.40E-05	5.44E-05	5.55E-05	5.03E-05	2.30E-05	2.29E-05	0.00E+00	0.00E+00	1.00E-05	1.88E-06	1.20E-05	1.84E-06	1.78E-06	2.75E-05
4640	491363.09	3859877.25	2.88E-02	2.94E-02	2.93E-02	9.97E-06	3.01E-05	1.74E-05	1.78E-05	1.61E-05	7.35E-06	7.34E-06	0.00E+00	0.00E+00	3.21E-06	6.03E-07	3.83E-06	5.90E-07	5.69E-07	8.80E-06
4641	491863.09	3859877.25	1.49E-02	1.53E-02	1.52E-02	5.17E-06	1.56E-05	9.04E-06	9.23E-06	8.36E-06	3.82E-06	3.81E-06	0.00E+00	0.00E+00	1.66E-06	3.13E-07	1.99E-06	3.06E-07	2.95E-07	4.57E-06

4642	492363.09	3859877.25	1.00E-02	1.02E-02	1.02E-02	3.47E-06	1.05E-05	6.07E-06	6.20E-06	5.62E-06	2.56E-06	2.56E-06	0.00E+00	0.00E+00	1.12E-06	2.10E-07	1.33E-06	2.06E-07	1.98E-07	3.07E-06
4643	492863.09	3859877.25	6.95E-03	7.09E-03	7.09E-03	2.41E-06	7.27E-06	4.21E-06	4.29E-06	3.89E-06	1.78E-06	1.77E-06	0.00E+00	0.00E+00	7.74E-07	1.46E-07	9.25E-07	1.43E-07	1.37E-07	2.12E-06
4644	493363.09	3859877.25	5.36E-03	5.47E-03	5.46E-03	1.85E-06	5.60E-06	3.24E-06	3.31E-06	3.00E-06	1.37E-06	1.37E-06	0.00E+00	0.00E+00	5.96E-07	1.12E-07	7.12E-07	1.10E-07	1.06E-07	1.64E-06
4645	493863.09	3859877.25	4.25E-03	4.34E-03	4.34E-03	1.47E-06	4.45E-06	2.57E-06	2.63E-06	2.38E-06	1.09E-06	1.08E-06	0.00E+00	0.00E+00	4.73E-07	8.91E-08	5.66E-07	8.72E-08	8.40E-08	1.30E-06
4646	494363.09	3859877.25	3.34E-03	3.41E-03	3.41E-03	1.16E-06	3.49E-06	2.02E-06	2.06E-06	1.87E-06	8.54E-07	8.53E-07	0.00E+00	0.00E+00	3.72E-07	7.00E-08	4.44E-07	6.85E-08	6.60E-08	1.02E-06
4647	494863.09	3859877.25	2.85E-03	2.91E-03	2.90E-03	9.86E-07	2.98E-06	1.72E-06	1.76E-06	1.59E-06	7.27E-07	7.26E-07	0.00E+00	0.00E+00	3.17E-07	5.97E-08	3.79E-07	5.84E-08	5.62E-08	8.70E-07
4648	495363.09	3859877.25	2.39E-03	2.43E-03	2.43E-03	8.26E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.09E-07	6.09E-07	0.00E+00	0.00E+00	2.66E-07	5.00E-08	3.17E-07	4.89E-08	4.71E-08	7.29E-07
4649	495863.09	3859877.25	2.02E-03	2.06E-03	2.06E-03	6.98E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.15E-07	5.14E-07	0.00E+00	0.00E+00	2.25E-07	4.23E-08	2.68E-07	4.14E-08	3.98E-08	6.16E-07
4650	496363.09	3859877.25	1.64E-03	1.68E-03	1.67E-03	5.69E-07	1.72E-06	9.94E-07	1.01E-06	9.19E-07	4.19E-07	4.19E-07	0.00E+00	0.00E+00	1.83E-07	3.44E-08	2.18E-07	3.37E-08	3.24E-08	5.02E-07
4651	496863.09	3859877.25	1.18E-03	1.21E-03	1.21E-03	4.10E-07	1.24E-06	7.16E-07	7.31E-07	6.62E-07	3.02E-07	3.02E-07	0.00E+00	0.00E+00	1.32E-07	2.48E-08	1.57E-07	2.43E-08	2.34E-08	3.62E-07
4652	497363.09	3859877.25	1.31E-03	1.33E-03	1.33E-03	4.52E-07	1.37E-06	7.91E-07	8.07E-07	7.32E-07	3.34E-07	3.33E-07	0.00E+00	0.00E+00	1.46E-07	2.74E-08	1.74E-07	2.68E-08	2.58E-08	3.99E-07
4653	497863.09	3859877.25	1.42E-03	1.45E-03	1.45E-03	4.93E-07	1.49E-06	8.62E-07	8.79E-07	7.97E-07	3.64E-07	3.63E-07	0.00E+00	0.00E+00	1.59E-07	2.99E-08	1.89E-07	2.92E-08	2.81E-08	4.35E-07
4654	498363.09	3859877.25	1.42E-03	1.45E-03	1.44E-03	4.91E-07	1.48E-06	8.57E-07	8.75E-07	7.93E-07	3.62E-07	3.61E-07	0.00E+00	0.00E+00	1.58E-07	2.97E-08	1.88E-07	2.91E-08	2.80E-08	4.33E-07
4655	471363.09	3860377.25	2.67E-04	2.72E-04	2.72E-04	9.23E-08	2.79E-07	1.61E-07	1.65E-07	1.49E-07	6.81E-08	6.80E-08	0.00E+00	0.00E+00	2.97E-08	5.59E-09	3.55E-08	5.47E-09	5.27E-09	8.15E-08
4656	471863.09	3860377.25	2.75E-04	2.81E-04	2.80E-04	9.52E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.02E-08	7.01E-08	0.00E+00	0.00E+00	3.06E-08	5.76E-09	3.66E-08	5.64E-09	5.43E-09	8.40E-08
4657	472363.09	3860377.25	2.84E-04	2.90E-04	2.90E-04	9.83E-08	2.97E-07	1.72E-07	1.75E-07	1.59E-07	7.25E-08	7.25E-08	0.00E+00	0.00E+00	3.16E-08	5.95E-09	3.78E-08	5.83E-09	5.61E-09	8.68E-08
4658	472863.09	3860377.25	2.94E-04	3.00E-04	2.99E-04	1.02E-07	3.07E-07	1.78E-07	1.81E-07	1.64E-07	7.50E-08	7.49E-08	0.00E+00	0.00E+00	3.27E-08	6.16E-09	3.91E-08	6.02E-09	5.80E-09	8.98E-08
4659	473363.09	3860377.25	3.03E-04	3.09E-04	3.08E-04	1.05E-07	3.16E-07	1.83E-07	1.87E-07	1.69E-07	7.73E-08	7.72E-08	0.00E+00	0.00E+00	3.37E-08	6.34E-09	4.02E-08	6.21E-09	5.98E-09	9.25E-08
4660	473863.09	3860377.25	3.10E-04	3.16E-04	3.16E-04	1.07E-07	3.24E-07	1.88E-07	1.91E-07	1.73E-07	7.92E-08	7.91E-08	0.00E+00	0.00E+00	3.45E-08	6.50E-09	4.12E-08	6.36E-09	6.12E-09	9.47E-08
4661	474363.09	3860377.25	3.12E-04	3.19E-04	3.18E-04	1.08E-07	3.26E-07	1.89E-07	1.93E-07	1.75E-07	7.98E-08	7.97E-08	0.00E+00	0.00E+00	3.48E-08	6.55E-09	4.15E-08	6.41E-09	6.17E-09	9.54E-08
4662	474863.09	3860377.25	3.07E-04	3.13E-04	3.13E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.84E-08	7.83E-08	0.00E+00	0.00E+00	3.42E-08	6.43E-09	4.08E-08	6.30E-09	6.06E-09	9.38E-08
4663	475363.09	3860377.25	2.83E-04	2.89E-04	2.89E-04	9.81E-08	2.96E-07	1.72E-07	1.75E-07	1.59E-07	7.24E-08	7.23E-08	0.00E+00	0.00E+00	3.16E-08	5.94E-09	3.77E-08	5.81E-09	5.60E-09	8.66E-08
4664	475863.09	3860377.25	2.51E-04	2.56E-04	2.56E-04	8.68E-08	2.62E-07	1.52E-07	1.55E-07	1.40E-07	6.40E-08	6.40E-08	0.00E+00	0.00E+00	2.79E-08	5.26E-09	3.33E-08	5.14E-09	4.95E-09	7.66E-08
4665	476363.09	3860377.25	2.07E-04	2.11E-04	2.11E-04	7.17E-08	2.17E-07	1.25E-07	1.28E-07	1.16E-07	5.29E-08	5.28E-08	0.00E+00	0.00E+00	2.31E-08	4.34E-09	2.75E-08	4.25E-09	4.09E-09	6.33E-08
4666	476863.09	3860377.25	1.88E-04	1.92E-04	1.92E-04	6.51E-08	1.96E-07	1.14E-07	1.16E-07	1.05E-07	4.80E-08	4.80E-08	0.00E+00	0.00E+00	2.09E-08	3.94E-09	2.50E-08	3.86E-09	3.71E-09	5.74E-08
4667	477363.09	3860377.25	1.15E-04	1.17E-04	1.17E-04	3.98E-08	1.20E-07	6.95E-08	7.10E-08	6.43E-08	2.93E-08	2.93E-08	0.00E+00	0.00E+00	1.28E-08	2.41E-09	1.53E-08	2.36E-09	2.27E-09	3.51E-08
4668	477863.09	3860377.25	1.45E-04	1.48E-04	1.47E-04	5.01E-08	1.51E-07	8.75E-08	8.93E-08	8.10E-08	3.69E-08	3.69E-08	0.00E+00	0.00E+00	1.61E-08	3.03E-09	1.92E-08	2.97E-09	2.86E-09	4.42E-08
4669	478363.09	3860377.25	2.37E-04	2.42E-04	2.42E-04	8.22E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.07E-08	6.06E-08	0.00E+00	0.00E+00	2.64E-08	4.98E-09	3.16E-08	4.87E-09	4.69E-09	7.26E-08
4670	478863.09	3860377.25	2.99E-04	3.05E-04	3.05E-04	1.04E-07	3.13E-07	1.81E-07	1.85E-07	1.68E-07	7.65E-08	7.64E-08	0.00E+00	0.00E+00	3.33E-08	6.27E-09	3.98E-08	6.14E-09	5.91E-09	9.15E-08
4671	479363.09	3860377.25	3.53E-04	3.60E-04	3.60E-04	1.22E-07	3.69E-07	2.14E-07	2.18E-07	1.98E-07	9.02E-08	9.00E-08	0.00E+00	0.00E+00	3.93E-08	7.40E-09	4.69E-08	7.24E-09	6.97E-09	1.08E-07
4672	479863.09	3860377.25	3.90E-04	3.97E-04	3.97E-04	1.35E-07	4.07E-07	2.36E-07	2.41E-07	2.18E-07	9.95E-08	9.94E-08	0.00E+00	0.00E+00	4.34E-08	8.16E-09	5.18E-08	7.99E-09	7.69E-09	1.19E-07
4673	480363.09	3860377.25	4.13E-04	4.22E-04	4.21E-04	1.43E-07	4.32E-07	2.50E-07	2.55E-07	2.31E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.60E-08	8.66E-09	5.50E-08	8.48E-09	8.17E-09	1.26E-07
4674	480863.09	3860377.25	4.30E-04	4.39E-04	4.38E-04	1.49E-07	4.50E-07	2.60E-07	2.66E-07	2.41E-07	1.10E-07	1.10E-07	0.00E+00	0.00E+00	4.79E-08	9.02E-09	5.72E-08	8.82E-09	8.50E-09	1.31E-07
4675	481363.09	3860377.25	4.40E-04	4.49E-04	4.49E-04	1.52E-07	4.60E-07	2.66E-07	2.72E-07	2.46E-07	1.12E-07	1.12E-07	0.00E+00	0.00E+00	4.90E-08	9.23E-09	5.85E-08	9.03E-09	8.70E-09	1.34E-07
4676	481863.09	3860377.25	4.55E-04	4.64E-04	4.63E-04	1.57E-07	4.75E-07	2.75E-07	2.81E-07	2.54E-07	1.16E-07	1.16E-07	0.00E+00	0.00E+00	5.06E-08	9.53E-09	6.05E-08	9.32E-09	8.98E-09	1.39E-07
4677	482363.09	3860377.25	4.70E-04	4.79E-04	4.79E-04	1.63E-07	4.91E-07	2.84E-07	2.90E-07	2.63E-07	1.20E-07	1.20E-07	0.00E+00	0.00E+00	5.23E-08	9.84E-09	6.25E-08	9.63E-09	9.28E-09	1.43E-07
4678	482863.09	3860377.25	4.86E-04	4.96E-04	4.96E-04	1.68E-07	5.08E-07	2.94E-07	3.00E-07	2.72E-07	1.24E-07	1.24E-07	0.00E+00	0.00E+00	5.42E-08	1.02E-08	6.47E-08	9.98E-09	9.61E-09	1.49E-07
4679	483363.09	3860377.25	5.14E-04	5.25E-04	5.24E-04	1.78E-07	5.38E-07	3.11E-07	3.18E-07	2.88E-07	1.31E-07	1.31E-07	0.00E+00	0.00E+00	5.73E-08	1.08E-08	6.84E-08	1.06E-08	1.02E-08	1.57E-07
4680	483863.09	3860377.25	5.50E-04	5.61E-04	5.61E-04	1.90E-07	5.75E-07	3.33E-07	3.40E-07	3.08E-07	1.40E-07	1.40E-07	0.00E+00	0.00E+00	6.12E-08	1.15E-08	7.32E-08	1.13E-08	1.09E-08	1.68E-07
4681	484363.09	3860377.25	5.91E-04	6.03E-04	6.03E-04	2.05E-07	6.18E-07	3.58E-07	3.65E-07	3.31E-07	1.51E-07	1.51E-07	0.00E+00	0.00E+00	6.58E-08	1.24E-08	7.86E-08	1.21E-08	1.17E-08	1.81E-07
4682	484863.09	3860377.25	6.40E-04	6.53E-04	6.52E-04	2.21E-07	6.69E-07	3.87E-07	3.95E-07	3.58E-07	1.63E-07	1.63E-07	0.00E+00	0.00E+00	7.12E-08	1.34E-08	8.51E-08	1.31E-08	1.26E-08	1.95E-07
4683	485363.09	3860377.25	7.00E-04	7.14E-04	7.14E-04	2.42E-07	7.32E-07	4.24E-07	4.32E-07	3.92E-07	1.79E-07	1.79E-07	0.00E+00	0.00E+00	7.79E-08	1.47E-08	9.31E-08	1.44E-08	1.38E-08	2.14E-07
4684	485863.09	3860377.25	7.87E-04	8.03E-04	8.02E-04	2.72E-07	8.22E-07	4.76E-07	4.86E-07	4.40E-07	2.01E-07	2.01E-07	0.00E+00	0.00E+00	8.76E-08	1.65E-08	1.05E-07	1.61E-08	1.55E-08	2.40E-07
4685	486363.09	3860377.25	8.96E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.42E-07	5.53E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.98E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
4686	486863.09	3860377.25	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.24E-07	6.37E-07	5.77E-07	2.63E-07	2.63E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.12E-08	2.04E-08	3.15E-07
4687	487363.09	3860377.25	1.21E-03	1.24E-03	1.24E-03	4.20E-07	1.27E-06	7.34E-07	7.49E-07	6.79E-07	3.10E-07	3.09E-07	0.00E+00	0.00E+00	1.35E-07	2.54E-08	1.61E-07	2.49E-08	2.39E-08	3.70E-07
4688	487863.09	3860377.25	1.50E-03	1.54E-03	1.53E-03	5.21E-07	1.57E-06	9.11E-07	9.29E-07	8.42E-07	3.84E-07	3.84E-07	0.00E+00	0.00E+00	1.68E-07	3.15E-08	2.00E-07	3.09E-08	2.97E-08	4.60E-07
4689	488363.09	3860377.25	1.90E-03	1.94E-03	1.94E-03	6.58E-07	1.99E-06	1.15E-06	1.17E-06	1.06E-06	4.86E-07	4.85E-07	0.00E+00	0.00E+00	2.12E-07	3.98E-08	2.53E-07	3.90E-08	3.76E-08	5.81E-07
4690	488863.09	3860377.25	2.43E-03	2.48E-03	2.48E-03	8.42E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.21E-07	6.20E-07	0.00E+00	0.00E+00	2.71E-07	5.10E-08	3.23E-07	4.99E-08	4.80E-08	7.43E-07
4691	489363.09	3860377.25	3.11E-03	3.17E-03	3.17E-03	1.08E-06	3.25E-06	1.88E-06	1.92E-06	1.74E-06	7.94E-07	7.94E-07	0.00E+00	0.00E+00	3.46E-07	6.52E-08	4.14E-07	6.38E-08	6.14E-08	9.50E-07
4692	489863.09	3860377.25	4.12E-03	4.21E-03	4.20E-03	1.43E-06	4.31E-06	2.50E-06	2.55E-06	2.31E-06	1.05E-06	1.05E-06	0.00E+00	0.00E+00	4.59E-07	8.64E-08	5.49E-07	8.46E-08	8.15E-08	1.26E-06
4693	490363.09	3860377.25	5.51E-03	5.62E-03	5.61E-03	1.91E-06	5.75E-06	3.33E-06	3.40E-06	3.08E-06	1.41E-06	1.40E-06	0.00E+00	0.00E+00	6.13E-07	1.15E-07	7.32E-07	1.13E-07	1.09E-07	1.68E-06
4694	490863.09	3860377.25	8.12E-03	8.29E-03	8.28E-03	2.81E-06	8.49E-06	4.92E-06	5.02E-06	4.55E-06	2.07E-06	2.07E-06	0.00E+00	0.00E+00	9.04E-07	1.70E-07	1.08E-06	1.67E-07	1.60E-07	2.48E-06
4695	491363.09	3860377.25	1.80E-02	1.84E-02	1.84E-02	6.24E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.60E-06	4.60E-06	0.00E+00	0.00E+00	2.01E-06	3.78E-07	2.40E-06	3.69E-07	3.56E-07	5.50E-06
4696	491863.09	3860377.25	3.61E-02	3.69E-02	3.68E-02	1.25E-05	3.78E-05	2.19E-05	2.23E-05	2.02E-05	9.23E-06	9.22E-06	0.00E+00	0.00E+00	4.02E-06	7.57E-07	4.81E-06	7.41E-07	7.14E-07	1.10E-05
4697	492363.09	3860377.25	1.52E-02	1.55E-02	1.55E-02	5.27E-06	1.59E-05	9.22E-06	9.41E-06	8.53E-06	3.89E-06	3.89E-06	0.00E+00	0.00E+00	1.70E-06	3.19E-07	2.03E-06	3.12E-07	3.01E-07	4.65E-06

4698	492863.09	3860377.25	8.99E-03	9.17E-03	9.16E-03	3.11E-06	9.39E-06	5.44E-06	5.55E-06	5.03E-06	2.29E-06	2.29E-06	0.00E+00	0.00E+00	1.00E-06	1.88E-07	1.19E-06	1.84E-07	1.77E-07	2.75E-06
4699	493363.09	3860377.25	6.07E-03	6.20E-03	6.19E-03	2.10E-06	6.35E-06	3.67E-06	3.75E-06	3.40E-06	1.55E-06	1.55E-06	0.00E+00	0.00E+00	6.76E-07	1.27E-07	8.07E-07	1.25E-07	1.20E-07	1.86E-06
4700	493863.09	3860377.25	4.71E-03	4.81E-03	4.81E-03	1.63E-06	4.93E-06	2.85E-06	2.91E-06	2.64E-06	1.20E-06	1.20E-06	0.00E+00	0.00E+00	5.25E-07	9.88E-08	6.27E-07	9.67E-08	9.31E-08	1.44E-06
4701	494363.09	3860377.25	3.72E-03	3.80E-03	3.79E-03	1.29E-06	3.89E-06	2.25E-06	2.30E-06	2.08E-06	9.51E-07	9.49E-07	0.00E+00	0.00E+00	4.14E-07	7.80E-08	4.95E-07	7.63E-08	7.35E-08	1.14E-06
4702	494863.09	3860377.25	3.15E-03	3.21E-03	3.21E-03	1.09E-06	3.29E-06	1.90E-06	1.94E-06	1.76E-06	8.03E-07	8.02E-07	0.00E+00	0.00E+00	3.50E-07	6.59E-08	4.18E-07	6.45E-08	6.21E-08	9.61E-07
4703	495363.09	3860377.25	2.64E-03	2.69E-03	2.69E-03	9.13E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.73E-07	6.73E-07	0.00E+00	0.00E+00	2.93E-07	5.53E-08	3.51E-07	5.41E-08	5.21E-08	8.06E-07
4704	495863.09	3860377.25	2.11E-03	2.15E-03	2.15E-03	7.30E-07	2.20E-06	1.28E-06	1.30E-06	1.18E-06	5.39E-07	5.38E-07	0.00E+00	0.00E+00	2.35E-07	4.42E-08	2.80E-07	4.32E-08	4.17E-08	6.44E-07
4705	496363.09	3860377.25	1.70E-03	1.73E-03	1.73E-03	5.88E-07	1.78E-06	1.03E-06	1.05E-06	9.51E-07	4.34E-07	4.33E-07	0.00E+00	0.00E+00	1.89E-07	3.56E-08	2.26E-07	3.48E-08	3.36E-08	5.19E-07
4706	496863.09	3860377.25	1.43E-03	1.46E-03	1.46E-03	4.96E-07	1.50E-06	8.67E-07	8.85E-07	8.02E-07	3.66E-07	3.66E-07	0.00E+00	0.00E+00	1.60E-07	3.00E-08	1.91E-07	2.94E-08	2.83E-08	4.38E-07
4707	497363.09	3860377.25	1.19E-03	1.22E-03	1.21E-03	4.12E-07	1.24E-06	7.21E-07	7.35E-07	6.67E-07	3.04E-07	3.04E-07	0.00E+00	0.00E+00	1.33E-07	2.50E-08	1.58E-07	2.44E-08	2.35E-08	3.64E-07
4708	497863.09	3860377.25	1.30E-03	1.33E-03	1.33E-03	4.50E-07	1.36E-06	7.87E-07	8.03E-07	7.28E-07	3.32E-07	3.32E-07	0.00E+00	0.00E+00	1.45E-07	2.73E-08	1.73E-07	2.67E-08	2.57E-08	3.98E-07
4709	498363.09	3860377.25	1.34E-03	1.37E-03	1.37E-03	4.64E-07	1.40E-06	8.12E-07	8.28E-07	7.51E-07	3.43E-07	3.42E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.78E-07	2.75E-08	2.65E-08	4.10E-07
4710	471363.09	3860877.25	2.59E-04	2.64E-04	2.64E-04	8.97E-08	2.71E-07	1.57E-07	1.60E-07	1.45E-07	6.61E-08	6.61E-08	0.00E+00	0.00E+00	2.88E-08	5.43E-09	3.44E-08	5.31E-09	5.12E-09	7.91E-08
4711	471863.09	3860877.25	2.67E-04	2.72E-04	2.72E-04	9.24E-08	2.79E-07	1.62E-07	1.65E-07	1.49E-07	6.82E-08	6.81E-08	0.00E+00	0.00E+00	2.97E-08	5.59E-09	3.55E-08	5.47E-09	5.27E-09	8.16E-08
4712	472363.09	3860877.25	2.75E-04	2.80E-04	2.80E-04	9.51E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.01E-08	7.01E-08	0.00E+00	0.00E+00	3.06E-08	5.76E-09	3.65E-08	5.63E-09	5.42E-09	8.39E-08
4713	472863.09	3860877.25	2.83E-04	2.89E-04	2.89E-04	9.80E-08	2.96E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	7.22E-08	0.00E+00	0.00E+00	3.15E-08	5.93E-09	3.77E-08	5.81E-09	5.59E-09	8.65E-08
4714	473363.09	3860877.25	2.91E-04	2.96E-04	2.96E-04	1.01E-07	3.04E-07	1.76E-07	1.79E-07	1.63E-07	7.42E-08	7.41E-08	0.00E+00	0.00E+00	3.23E-08	6.09E-09	3.86E-08	5.96E-09	5.74E-09	8.88E-08
4715	473863.09	3860877.25	2.98E-04	3.04E-04	3.03E-04	1.03E-07	3.11E-07	1.80E-07	1.84E-07	1.67E-07	7.60E-08	7.59E-08	0.00E+00	0.00E+00	3.31E-08	6.24E-09	3.96E-08	6.10E-09	5.88E-09	9.09E-08
4716	474363.09	3860877.25	3.04E-04	3.10E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.77E-08	7.76E-08	0.00E+00	0.00E+00	3.38E-08	6.37E-09	4.04E-08	6.24E-09	6.01E-09	9.29E-08
4717	474863.09	3860877.25	3.10E-04	3.16E-04	3.16E-04	1.07E-07	3.24E-07	1.88E-07	1.91E-07	1.73E-07	7.92E-08	7.91E-08	0.00E+00	0.00E+00	3.45E-08	6.50E-09	4.12E-08	6.36E-09	6.12E-09	9.47E-08
4718	475363.09	3860877.25	3.09E-04	3.15E-04	3.15E-04	1.07E-07	3.23E-07	1.87E-07	1.91E-07	1.73E-07	7.89E-08	7.88E-08	0.00E+00	0.00E+00	3.44E-08	6.48E-09	4.11E-08	6.34E-09	6.11E-09	9.44E-08
4719	475863.09	3860877.25	3.01E-04	3.07E-04	3.06E-04	1.04E-07	3.14E-07	1.82E-07	1.86E-07	1.68E-07	7.68E-08	7.67E-08	0.00E+00	0.00E+00	3.35E-08	6.30E-09	4.00E-08	6.16E-09	5.94E-09	9.18E-08
4720	476363.09	3860877.25	2.79E-04	2.85E-04	2.85E-04	9.67E-08	2.92E-07	1.69E-07	1.72E-07	1.56E-07	7.13E-08	7.13E-08	0.00E+00	0.00E+00	3.11E-08	5.85E-09	3.71E-08	5.73E-09	5.52E-09	8.53E-08
4721	476863.09	3860877.25	2.69E-04	2.75E-04	2.74E-04	9.31E-08	2.81E-07	1.63E-07	1.66E-07	1.51E-07	6.87E-08	6.86E-08	0.00E+00	0.00E+00	2.99E-08	5.64E-09	3.58E-08	5.52E-09	5.31E-09	8.22E-08
4722	477363.09	3860877.25	2.71E-04	2.76E-04	2.76E-04	9.36E-08	2.83E-07	1.64E-07	1.67E-07	1.51E-07	6.91E-08	6.90E-08	0.00E+00	0.00E+00	3.01E-08	5.67E-09	3.60E-08	5.55E-09	5.34E-09	8.26E-08
4723	477863.09	3860877.25	2.44E-04	2.49E-04	2.49E-04	8.45E-08	2.55E-07	1.48E-07	1.51E-07	1.37E-07	6.23E-08	6.22E-08	0.00E+00	0.00E+00	2.72E-08	5.11E-09	3.24E-08	5.00E-09	4.82E-09	7.45E-08
4724	478363.09	3860877.25	1.64E-04	1.67E-04	1.67E-04	5.67E-08	1.71E-07	9.91E-08	1.01E-07	9.17E-08	4.18E-08	4.18E-08	0.00E+00	0.00E+00	1.82E-08	3.43E-09	2.18E-08	3.36E-09	3.24E-09	5.01E-08
4725	478863.09	3860877.25	2.79E-04	2.84E-04	2.84E-04	9.65E-08	2.91E-07	1.69E-07	1.72E-07	1.56E-07	7.12E-08	7.11E-08	0.00E+00	0.00E+00	3.10E-08	5.84E-09	3.71E-08	5.72E-09	5.51E-09	8.52E-08
4726	479363.09	3860877.25	3.37E-04	3.43E-04	3.43E-04	1.16E-07	3.52E-07	2.04E-07	2.08E-07	1.88E-07	8.59E-08	8.58E-08	0.00E+00	0.00E+00	3.75E-08	7.05E-09	4.47E-08	6.90E-09	6.65E-09	1.03E-07
4727	479863.09	3860877.25	3.71E-04	3.79E-04	3.78E-04	1.29E-07	3.88E-07	2.25E-07	2.29E-07	2.08E-07	9.48E-08	9.47E-08	0.00E+00	0.00E+00	4.13E-08	7.78E-09	4.94E-08	7.61E-09	7.33E-09	1.13E-07
4728	480363.09	3860877.25	3.94E-04	4.02E-04	4.01E-04	1.36E-07	4.11E-07	2.38E-07	2.43E-07	2.20E-07	1.01E-07	1.00E-07	0.00E+00	0.00E+00	4.38E-08	8.25E-09	5.24E-08	8.07E-09	7.78E-09	1.20E-07
4729	480863.09	3860877.25	4.06E-04	4.14E-04	4.14E-04	1.41E-07	4.24E-07	2.46E-07	2.51E-07	2.27E-07	1.04E-07	1.04E-07	0.00E+00	0.00E+00	4.52E-08	8.51E-09	5.40E-08	8.33E-09	8.02E-09	1.24E-07
4730	481363.09	3860877.25	4.17E-04	4.26E-04	4.25E-04	1.44E-07	4.36E-07	2.52E-07	2.58E-07	2.34E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.64E-08	8.74E-09	5.55E-08	8.56E-09	8.24E-09	1.27E-07
4731	481863.09	3860877.25	4.30E-04	4.39E-04	4.38E-04	1.49E-07	4.50E-07	2.60E-07	2.66E-07	2.41E-07	1.10E-07	1.10E-07	0.00E+00	0.00E+00	4.79E-08	9.02E-09	5.72E-08	8.82E-09	8.50E-09	1.31E-07
4732	482363.09	3860877.25	4.47E-04	4.56E-04	4.56E-04	1.55E-07	4.67E-07	2.70E-07	2.76E-07	2.50E-07	1.14E-07	1.14E-07	0.00E+00	0.00E+00	4.98E-08	9.37E-09	5.94E-08	9.17E-09	8.83E-09	1.37E-07
4733	482863.09	3860877.25	4.66E-04	4.76E-04	4.75E-04	1.61E-07	4.87E-07	2.82E-07	2.88E-07	2.61E-07	1.19E-07	1.19E-07	0.00E+00	0.00E+00	5.19E-08	9.77E-09	6.20E-08	9.56E-09	9.21E-09	1.42E-07
4734	483363.09	3860877.25	4.93E-04	5.03E-04	5.02E-04	1.71E-07	5.15E-07	2.98E-07	3.04E-07	2.76E-07	1.26E-07	1.26E-07	0.00E+00	0.00E+00	5.48E-08	1.03E-08	6.55E-08	1.01E-08	9.73E-09	1.51E-07
4735	483863.09	3860877.25	5.28E-04	5.39E-04	5.38E-04	1.83E-07	5.52E-07	3.20E-07	3.26E-07	2.96E-07	1.35E-07	1.35E-07	0.00E+00	0.00E+00	5.88E-08	1.11E-08	7.03E-08	1.08E-08	1.04E-08	1.61E-07
4736	484363.09	3860877.25	5.71E-04	5.83E-04	5.82E-04	1.98E-07	5.97E-07	3.46E-07	3.53E-07	3.20E-07	1.46E-07	1.46E-07	0.00E+00	0.00E+00	6.36E-08	1.20E-08	7.60E-08	1.17E-08	1.13E-08	1.75E-07
4737	484863.09	3860877.25	6.13E-04	6.26E-04	6.25E-04	2.12E-07	6.41E-07	3.71E-07	3.79E-07	3.43E-07	1.57E-07	1.56E-07	0.00E+00	0.00E+00	6.83E-08	1.29E-08	8.15E-08	1.26E-08	1.21E-08	1.87E-07
4738	485363.09	3860877.25	6.72E-04	6.86E-04	6.85E-04	2.33E-07	7.02E-07	4.07E-07	4.15E-07	3.76E-07	1.72E-07	1.71E-07	0.00E+00	0.00E+00	7.48E-08	1.41E-08	8.93E-08	1.38E-08	1.33E-08	2.05E-07
4739	485863.09	3860877.25	7.43E-04	7.58E-04	7.57E-04	2.57E-07	7.76E-07	4.49E-07	4.59E-07	4.16E-07	1.90E-07	1.89E-07	0.00E+00	0.00E+00	8.27E-08	1.56E-08	9.88E-08	1.52E-08	1.47E-08	2.27E-07
4740	486363.09	3860877.25	8.17E-04	8.33E-04	8.33E-04	2.83E-07	8.54E-07	4.94E-07	5.04E-07	4.57E-07	2.09E-07	2.08E-07	0.00E+00	0.00E+00	9.09E-08	1.71E-08	1.09E-07	1.68E-08	1.61E-08	2.50E-07
4741	486863.09	3860877.25	9.20E-04	9.38E-04	9.37E-04	3.18E-07	9.61E-07	5.56E-07	5.68E-07	5.15E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.02E-07	1.93E-08	1.22E-07	1.89E-08	1.82E-08	2.81E-07
4742	487363.09	3860877.25	1.06E-03	1.08E-03	1.08E-03	3.66E-07	1.11E-06	6.40E-07	6.53E-07	5.92E-07	2.70E-07	2.70E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.17E-08	2.09E-08	3.23E-07
4743	487863.09	3860877.25	1.24E-03	1.26E-03	1.26E-03	4.28E-07	1.29E-06	7.48E-07	7.64E-07	6.92E-07	3.16E-07	3.16E-07	0.00E+00	0.00E+00	1.38E-07	2.59E-08	1.64E-07	2.54E-08	2.44E-08	3.78E-07
4744	488363.09	3860877.25	1.51E-03	1.54E-03	1.54E-03	5.22E-07	1.58E-06	9.13E-07	9.32E-07	8.45E-07	3.85E-07	3.85E-07	0.00E+00	0.00E+00	1.68E-07	3.16E-08	2.01E-07	3.10E-08	2.98E-08	4.61E-07
4745	488863.09	3860877.25	1.75E-03	1.79E-03	1.79E-03	6.06E-07	1.83E-06	1.06E-06	1.08E-06	9.80E-07	4.47E-07	4.47E-07	0.00E+00	0.00E+00	1.95E-07	3.67E-08	2.33E-07	3.59E-08	3.46E-08	5.35E-07
4746	489363.09	3860877.25	2.11E-03	2.15E-03	2.15E-03	7.31E-07	2.21E-06	1.28E-06	1.30E-06	1.18E-06	5.39E-07	5.38E-07	0.00E+00	0.00E+00	2.35E-07	4.42E-08	2.81E-07	4.33E-08	4.17E-08	6.45E-07
4747	489863.09	3860877.25	2.40E-03	2.45E-03	2.45E-03	8.32E-07	2.51E-06	1.45E-06	1.48E-06	1.34E-06	6.14E-07	6.13E-07	0.00E+00	0.00E+00	2.67E-07	5.04E-08	3.20E-07	4.93E-08	4.75E-08	7.34E-07
4748	490363.09	3860877.25	2.90E-03	2.96E-03	2.96E-03	1.01E-06	3.03E-06	1.76E-06	1.79E-06	1.62E-06	7.41E-07	7.41E-07	0.00E+00	0.00E+00	3.23E-07	6.08E-08	3.86E-07	5.95E-08	5.73E-08	8.87E-07
4749	490863.09	3860877.25	3.56E-03	3.63E-03	3.63E-03	1.23E-06	3.72E-06	2.15E-06	2.20E-06	1.99E-06	9.09E-07	9.08E-07	0.00E+00	0.00E+00	3.96E-07	7.46E-08	4.73E-07	7.30E-08	7.03E-08	1.09E-06
4750	491363.09	3860877.25	4.28E-03	4.36E-03	4.36E-03	1.48E-06	4.47E-06	2.59E-06	2.64E-06	2.39E-06	1.09E-06	1.09E-06	0.00E+00	0.00E+00	4.76E-07	8.96E-08	5.69E-07	8.77E-08	8.45E-08	1.31E-06
4751	491863.09	3860877.25	4.65E-03	4.74E-03	4.74E-03	1.61E-06	4.86E-06	2.81E-06	2.87E-06	2.60E-06	1.19E-06	1.19E-06	0.00E+00	0.00E+00	5.17E-07	9.74E-08	6.18E-07	9.53E-08	9.18E-08	1.42E-06
4752	492363.09	3860877.25	4.50E-03	4.59E-03	4.59E-03	1.56E-06	4.70E-06	2.72E-06	2.78E-06	2.52E-06	1.15E-06	1.15E-06	0.00E+00	0.00E+00	5.01E-07	9.43E-08	5.99E-07	9.23E-08	8.89E-08	1.38E-06
4753	492863.09	3860877.25	4.37E-03	4.46E-03	4.45E-03	1.51E-06	4.56E-06	2.64E-06	2.70E-06	2.44E-06	1.12E-06	1.11E-06	0.00E+00	0.00E+00	4.86E-07	9.15E-08	5.81E-07	8.96E-08	8.63E-08	1.33E-06

4754	493363.09	3860877.25	3.88E-03	3.96E-03	3.96E-03	1.34E-06	4.06E-06	2.35E-06	2.40E-06	2.17E-06	9.91E-07	9.90E-07	0.00E+00	0.00E+00	4.32E-07	8.13E-08	5.16E-07	7.96E-08	7.67E-08	1.19E-06
4755	493863.09	3860877.25	3.29E-03	3.36E-03	3.35E-03	1.14E-06	3.44E-06	1.99E-06	2.03E-06	1.84E-06	8.40E-07	8.39E-07	0.00E+00	0.00E+00	3.66E-07	6.90E-08	4.38E-07	6.75E-08	6.50E-08	1.01E-06
4756	494363.09	3860877.25	2.84E-03	2.90E-03	2.89E-03	9.83E-07	2.97E-06	1.72E-06	1.75E-06	1.59E-06	7.25E-07	7.24E-07	0.00E+00	0.00E+00	3.16E-07	5.95E-08	3.78E-07	5.82E-08	5.61E-08	8.67E-07
4757	494863.09	3860877.25	2.49E-03	2.54E-03	2.54E-03	8.62E-07	2.60E-06	1.51E-06	1.54E-06	1.39E-06	6.36E-07	6.35E-07	0.00E+00	0.00E+00	2.77E-07	5.22E-08	3.31E-07	5.11E-08	4.92E-08	7.61E-07
4758	495363.09	3860877.25	2.22E-03	2.26E-03	2.26E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.66E-07	5.65E-07	0.00E+00	0.00E+00	2.47E-07	4.64E-08	2.95E-07	4.54E-08	4.38E-08	6.77E-07
4759	495863.09	3860877.25	1.98E-03	2.02E-03	2.02E-03	6.85E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	5.05E-07	5.05E-07	0.00E+00	0.00E+00	2.20E-07	4.15E-08	2.63E-07	4.06E-08	3.91E-08	6.05E-07
4760	496363.09	3860877.25	1.79E-03	1.83E-03	1.83E-03	6.21E-07	1.88E-06	1.09E-06	1.11E-06	1.00E-06	4.58E-07	4.58E-07	0.00E+00	0.00E+00	2.00E-07	3.76E-08	2.39E-07	3.68E-08	3.54E-08	5.48E-07
4761	496863.09	3860877.25	1.52E-03	1.55E-03	1.55E-03	5.26E-07	1.59E-06	9.19E-07	9.38E-07	8.50E-07	3.88E-07	3.87E-07	0.00E+00	0.00E+00	1.69E-07	3.18E-08	2.02E-07	3.11E-08	3.00E-08	4.64E-07
4762	497363.09	3860877.25	1.40E-03	1.43E-03	1.43E-03	4.86E-07	1.47E-06	8.49E-07	8.66E-07	7.85E-07	3.58E-07	3.58E-07	0.00E+00	0.00E+00	1.56E-07	2.94E-08	1.87E-07	2.88E-08	2.77E-08	4.29E-07
4763	497863.09	3860877.25	1.27E-03	1.30E-03	1.29E-03	4.40E-07	1.33E-06	7.68E-07	7.84E-07	7.11E-07	3.24E-07	3.24E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.60E-08	2.51E-08	3.88E-07
4764	498363.09	3860877.25	1.25E-03	1.27E-03	1.27E-03	4.31E-07	1.30E-06	7.54E-07	7.69E-07	6.97E-07	3.18E-07	3.18E-07	0.00E+00	0.00E+00	1.39E-07	2.61E-08	1.66E-07	2.56E-08	2.46E-08	3.81E-07
4765	471363.09	3861377.25	2.52E-04	2.57E-04	2.57E-04	8.73E-08	2.64E-07	1.53E-07	1.56E-07	1.41E-07	6.44E-08	6.43E-08	0.00E+00	0.00E+00	2.81E-08	5.29E-09	3.35E-08	5.17E-09	4.98E-09	7.71E-08
4766	471863.09	3861377.25	2.59E-04	2.65E-04	2.64E-04	8.98E-08	2.71E-07	1.57E-07	1.60E-07	1.45E-07	6.62E-08	6.61E-08	0.00E+00	0.00E+00	2.89E-08	5.43E-09	3.45E-08	5.32E-09	5.12E-09	7.92E-08
4767	472363.09	3861377.25	2.66E-04	2.72E-04	2.71E-04	9.21E-08	2.78E-07	1.61E-07	1.64E-07	1.49E-07	6.80E-08	6.79E-08	0.00E+00	0.00E+00	2.96E-08	5.58E-09	3.54E-08	5.46E-09	5.26E-09	8.13E-08
4768	472863.09	3861377.25	2.73E-04	2.79E-04	2.79E-04	9.47E-08	2.86E-07	1.65E-07	1.69E-07	1.53E-07	6.98E-08	6.98E-08	0.00E+00	0.00E+00	3.04E-08	5.73E-09	3.64E-08	5.61E-09	5.40E-09	8.35E-08
4769	473363.09	3861377.25	2.80E-04	2.86E-04	2.86E-04	9.70E-08	2.93E-07	1.70E-07	1.73E-07	1.57E-07	7.16E-08	7.15E-08	0.00E+00	0.00E+00	3.12E-08	5.87E-09	3.73E-08	5.75E-09	5.53E-09	8.56E-08
4770	473863.09	3861377.25	2.87E-04	2.93E-04	2.92E-04	9.92E-08	3.00E-07	1.73E-07	1.77E-07	1.60E-07	7.32E-08	7.31E-08	0.00E+00	0.00E+00	3.19E-08	6.01E-09	3.81E-08	5.88E-09	5.66E-09	8.76E-08
4771	474363.09	3861377.25	2.94E-04	3.00E-04	3.00E-04	1.02E-07	3.07E-07	1.78E-07	1.82E-07	1.65E-07	7.51E-08	7.50E-08	0.00E+00	0.00E+00	3.27E-08	6.16E-09	3.91E-08	6.03E-09	5.81E-09	8.98E-08
4772	474863.09	3861377.25	2.99E-04	3.05E-04	3.05E-04	1.04E-07	3.13E-07	1.81E-07	1.85E-07	1.68E-07	7.65E-08	7.64E-08	0.00E+00	0.00E+00	3.33E-08	6.27E-09	3.98E-08	6.14E-09	5.91E-09	9.15E-08
4773	475363.09	3861377.25	3.07E-04	3.13E-04	3.13E-04	1.06E-07	3.21E-07	1.86E-07	1.89E-07	1.72E-07	7.83E-08	7.82E-08	0.00E+00	0.00E+00	3.41E-08	6.43E-09	4.08E-08	6.29E-09	6.06E-09	9.37E-08
4774	475863.09	3861377.25	3.09E-04	3.15E-04	3.15E-04	1.07E-07	3.23E-07	1.87E-07	1.91E-07	1.73E-07	7.89E-08	7.88E-08	0.00E+00	0.00E+00	3.44E-08	6.48E-09	4.11E-08	6.34E-09	6.11E-09	9.44E-08
4775	476363.09	3861377.25	3.07E-04	3.13E-04	3.13E-04	1.06E-07	3.21E-07	1.86E-07	1.89E-07	1.72E-07	7.83E-08	7.82E-08	0.00E+00	0.00E+00	3.41E-08	6.43E-09	4.08E-08	6.29E-09	6.06E-09	9.37E-08
4776	476863.09	3861377.25	3.04E-04	3.10E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.76E-08	7.75E-08	0.00E+00	0.00E+00	3.38E-08	6.37E-09	4.04E-08	6.23E-09	6.00E-09	9.28E-08
4777	477363.09	3861377.25	3.03E-04	3.09E-04	3.08E-04	1.05E-07	3.16E-07	1.83E-07	1.87E-07	1.69E-07	7.73E-08	7.72E-08	0.00E+00	0.00E+00	3.37E-08	6.34E-09	4.02E-08	6.21E-09	5.98E-09	9.25E-08
4778	477863.09	3861377.25	2.69E-04	2.75E-04	2.74E-04	9.32E-08	2.81E-07	1.63E-07	1.66E-07	1.51E-07	6.88E-08	6.87E-08	0.00E+00	0.00E+00	3.00E-08	5.64E-09	3.58E-08	5.52E-09	5.32E-09	8.23E-08
4779	478363.09	3861377.25	1.88E-04	1.92E-04	1.92E-04	6.51E-08	1.96E-07	1.14E-07	1.16E-07	1.05E-07	4.80E-08	4.80E-08	0.00E+00	0.00E+00	2.09E-08	3.94E-09	2.50E-08	3.86E-09	3.71E-09	5.74E-08
4780	478863.09	3861377.25	2.16E-04	2.20E-04	2.20E-04	7.48E-08	2.26E-07	1.31E-07	1.33E-07	1.21E-07	5.52E-08	5.51E-08	0.00E+00	0.00E+00	2.40E-08	4.53E-09	2.87E-08	4.43E-09	4.27E-09	6.60E-08
4781	479363.09	3861377.25	3.11E-04	3.18E-04	3.17E-04	1.08E-07	3.25E-07	1.88E-07	1.92E-07	1.74E-07	7.95E-08	7.94E-08	0.00E+00	0.00E+00	3.46E-08	6.52E-09	4.14E-08	6.38E-09	6.15E-09	9.51E-08
4782	479863.09	3861377.25	3.51E-04	3.58E-04	3.58E-04	1.21E-07	3.67E-07	2.12E-07	2.17E-07	1.96E-07	8.96E-08	8.95E-08	0.00E+00	0.00E+00	3.91E-08	7.35E-09	4.67E-08	7.20E-09	6.93E-09	1.07E-07
4783	480363.09	3861377.25	3.76E-04	3.84E-04	3.83E-04	1.30E-07	3.93E-07	2.27E-07	2.32E-07	2.10E-07	9.60E-08	9.59E-08	0.00E+00	0.00E+00	4.19E-08	7.88E-09	5.00E-08	7.71E-09	7.43E-09	1.15E-07
4784	480863.09	3861377.25	3.87E-04	3.95E-04	3.95E-04	1.34E-07	4.05E-07	2.34E-07	2.39E-07	2.17E-07	9.90E-08	9.88E-08	0.00E+00	0.00E+00	4.31E-08	8.12E-09	5.15E-08	7.95E-09	7.65E-09	1.18E-07
4785	481363.09	3861377.25	3.99E-04	4.07E-04	4.07E-04	1.38E-07	4.17E-07	2.42E-07	2.47E-07	2.23E-07	1.02E-07	1.02E-07	0.00E+00	0.00E+00	4.44E-08	8.37E-09	5.31E-08	8.19E-09	7.89E-09	1.22E-07
4786	481863.09	3861377.25	4.14E-04	4.22E-04	4.22E-04	1.43E-07	4.33E-07	2.50E-07	2.56E-07	2.32E-07	1.06E-07	1.06E-07	0.00E+00	0.00E+00	4.61E-08	8.68E-09	5.51E-08	8.49E-09	8.18E-09	1.26E-07
4787	482363.09	3861377.25	4.31E-04	4.39E-04	4.39E-04	1.49E-07	4.50E-07	2.60E-07	2.66E-07	2.41E-07	1.10E-07	1.10E-07	0.00E+00	0.00E+00	4.79E-08	9.02E-09	5.72E-08	8.83E-09	8.50E-09	1.32E-07
4788	482863.09	3861377.25	4.49E-04	4.58E-04	4.58E-04	1.55E-07	4.69E-07	2.72E-07	2.77E-07	2.51E-07	1.15E-07	1.15E-07	0.00E+00	0.00E+00	5.00E-08	9.41E-09	5.97E-08	9.21E-09	8.87E-09	1.37E-07
4789	483363.09	3861377.25	4.74E-04	4.84E-04	4.83E-04	1.64E-07	4.96E-07	2.87E-07	2.93E-07	2.65E-07	1.21E-07	1.21E-07	0.00E+00	0.00E+00	5.28E-08	9.94E-09	6.30E-08	9.72E-09	9.36E-09	1.45E-07
4790	483863.09	3861377.25	5.10E-04	5.20E-04	5.20E-04	1.77E-07	5.33E-07	3.09E-07	3.15E-07	2.85E-07	1.30E-07	1.30E-07	0.00E+00	0.00E+00	5.68E-08	1.07E-08	6.78E-08	1.05E-08	1.01E-08	1.56E-07
4791	484363.09	3861377.25	5.49E-04	5.60E-04	5.60E-04	1.90E-07	5.74E-07	3.32E-07	3.39E-07	3.07E-07	1.40E-07	1.40E-07	0.00E+00	0.00E+00	6.11E-08	1.15E-08	7.30E-08	1.13E-08	1.08E-08	1.68E-07
4792	484863.09	3861377.25	5.87E-04	5.99E-04	5.99E-04	2.03E-07	6.14E-07	3.55E-07	3.63E-07	3.29E-07	1.50E-07	1.50E-07	0.00E+00	0.00E+00	6.54E-08	1.23E-08	7.81E-08	1.20E-08	1.16E-08	1.79E-07
4793	485363.09	3861377.25	6.22E-04	6.35E-04	6.34E-04	2.15E-07	6.50E-07	3.77E-07	3.84E-07	3.48E-07	1.59E-07	1.59E-07	0.00E+00	0.00E+00	6.93E-08	1.30E-08	8.28E-08	1.28E-08	1.23E-08	1.90E-07
4794	485863.09	3861377.25	6.75E-04	6.89E-04	6.88E-04	2.34E-07	7.05E-07	4.08E-07	4.17E-07	3.78E-07	1.72E-07	1.72E-07	0.00E+00	0.00E+00	7.51E-08	1.41E-08	8.97E-08	1.38E-08	1.33E-08	2.06E-07
4795	486363.09	3861377.25	7.36E-04	7.51E-04	7.50E-04	2.55E-07	7.69E-07	4.45E-07	4.54E-07	4.12E-07	1.88E-07	1.88E-07	0.00E+00	0.00E+00	8.19E-08	1.54E-08	9.78E-08	1.51E-08	1.45E-08	2.25E-07
4796	486863.09	3861377.25	8.17E-04	8.33E-04	8.33E-04	2.83E-07	8.54E-07	4.94E-07	5.04E-07	4.57E-07	2.09E-07	2.08E-07	0.00E+00	0.00E+00	9.09E-08	1.71E-08	1.09E-07	1.68E-08	1.61E-08	2.50E-07
4797	487363.09	3861377.25	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
4798	487863.09	3861377.25	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.09E-06	6.28E-07	6.41E-07	5.81E-07	2.65E-07	2.65E-07	0.00E+00	0.00E+00	1.16E-07	2.18E-08	1.38E-07	2.13E-08	2.05E-08	3.17E-07
4799	488363.09	3861377.25	1.16E-03	1.19E-03	1.19E-03	4.03E-07	1.22E-06	7.04E-07	7.18E-07	6.51E-07	2.97E-07	2.97E-07	0.00E+00	0.00E+00	1.30E-07	2.44E-08	1.55E-07	2.39E-08	2.30E-08	3.56E-07
4800	488863.09	3861377.25	1.33E-03	1.35E-03	1.35E-03	4.59E-07	1.39E-06	8.03E-07	8.19E-07	7.43E-07	3.39E-07	3.38E-07	0.00E+00	0.00E+00	1.48E-07	2.78E-08	1.76E-07	2.72E-08	2.62E-08	4.05E-07
4801	489363.09	3861377.25	1.47E-03	1.50E-03	1.50E-03	5.08E-07	1.53E-06	8.89E-07	9.07E-07	8.22E-07	3.75E-07	3.75E-07	0.00E+00	0.00E+00	1.63E-07	3.08E-08	1.95E-07	3.01E-08	2.90E-08	4.49E-07
4802	489863.09	3861377.25	1.64E-03	1.67E-03	1.67E-03	5.67E-07	1.71E-06	9.90E-07	1.01E-06	9.16E-07	4.18E-07	4.18E-07	0.00E+00	0.00E+00	1.82E-07	3.43E-08	2.18E-07	3.36E-08	3.23E-08	5.00E-07
4803	490363.09	3861377.25	1.77E-03	1.81E-03	1.80E-03	6.13E-07	1.85E-06	1.07E-06	1.09E-06	9.91E-07	4.52E-07	4.52E-07	0.00E+00	0.00E+00	1.97E-07	3.71E-08	2.35E-07	3.63E-08	3.50E-08	5.41E-07
4804	490863.09	3861377.25	1.94E-03	1.98E-03	1.98E-03	6.72E-07	2.03E-06	1.17E-06	1.20E-06	1.09E-06	4.96E-07	4.95E-07	0.00E+00	0.00E+00	2.16E-07	4.07E-08	2.58E-07	3.98E-08	3.83E-08	5.93E-07
4805	491363.09	3861377.25	2.04E-03	2.08E-03	2.08E-03	7.06E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.21E-07	5.21E-07	0.00E+00	0.00E+00	2.27E-07	4.28E-08	2.71E-07	4.18E-08	4.03E-08	6.23E-07
4806	491863.09	3861377.25	2.01E-03	2.05E-03	2.05E-03	6.96E-07	2.10E-06	1.22E-06	1.24E-06	1.12E-06	5.13E-07	5.13E-07	0.00E+00	0.00E+00	2.24E-07	4.21E-08	2.67E-07	4.12E-08	3.97E-08	6.14E-07
4807	492363.09	3861377.25	2.03E-03	2.07E-03	2.07E-03	7.03E-07	2.12E-06	1.23E-06	1.25E-06	1.14E-06	5.18E-07	5.18E-07	0.00E+00	0.00E+00	2.26E-07	4.25E-08	2.70E-07	4.16E-08	4.01E-08	6.20E-07
4808	492863.09	3861377.25	1.96E-03	2.00E-03	2.00E-03	6.78E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	5.00E-07	5.00E-07	0.00E+00	0.00E+00	2.18E-07	4.11E-08	2.61E-07	4.02E-08	3.87E-08	5.99E-07
4809	493363.09	3861377.25	2.02E-03	2.06E-03	2.06E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	5.16E-07	0.00E+00	0.00E+00	2.25E-07	4.24E-08	2.69E-07	4.15E-08	3.99E-08	6.18E-07

4810	493863.09	3861377.25	1.97E-03	2.01E-03	2.01E-03	6.84E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	5.04E-07	5.04E-07	0.00E+00	0.00E+00	2.20E-07	4.14E-08	2.63E-07	4.05E-08	3.90E-08	6.03E-07
4811	494363.09	3861377.25	1.84E-03	1.88E-03	1.88E-03	6.37E-07	1.92E-06	1.11E-06	1.14E-06	1.03E-06	4.70E-07	4.69E-07	0.00E+00	0.00E+00	2.05E-07	3.86E-08	2.45E-07	3.77E-08	3.63E-08	5.62E-07
4812	494863.09	3861377.25	1.72E-03	1.75E-03	1.75E-03	5.95E-07	1.80E-06	1.04E-06	1.06E-06	9.62E-07	4.39E-07	4.39E-07	0.00E+00	0.00E+00	1.91E-07	3.60E-08	2.29E-07	3.53E-08	3.40E-08	5.25E-07
4813	495363.09	3861377.25	1.60E-03	1.64E-03	1.63E-03	5.55E-07	1.68E-06	9.70E-07	9.90E-07	8.97E-07	4.09E-07	4.09E-07	0.00E+00	0.00E+00	1.78E-07	3.36E-08	2.13E-07	3.29E-08	3.17E-08	4.90E-07
4814	495863.09	3861377.25	1.49E-03	1.52E-03	1.52E-03	5.15E-07	1.56E-06	9.01E-07	9.19E-07	8.33E-07	3.80E-07	3.80E-07	0.00E+00	0.00E+00	1.66E-07	3.12E-08	1.98E-07	3.05E-08	2.94E-08	4.55E-07
4815	496363.09	3861377.25	1.41E-03	1.44E-03	1.44E-03	4.90E-07	1.48E-06	8.56E-07	8.73E-07	7.92E-07	3.61E-07	3.61E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.90E-08	2.79E-08	4.32E-07
4816	496863.09	3861377.25	1.35E-03	1.38E-03	1.38E-03	4.67E-07	1.41E-06	8.17E-07	8.33E-07	7.56E-07	3.45E-07	3.44E-07	0.00E+00	0.00E+00	1.50E-07	2.83E-08	1.80E-07	2.77E-08	2.67E-08	4.12E-07
4817	497363.09	3861377.25	1.27E-03	1.29E-03	1.29E-03	4.39E-07	1.33E-06	7.68E-07	7.83E-07	7.10E-07	3.24E-07	3.24E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.60E-08	2.51E-08	3.88E-07
4818	497863.09	3861377.25	1.19E-03	1.22E-03	1.22E-03	4.14E-07	1.25E-06	7.23E-07	7.38E-07	6.69E-07	3.05E-07	3.05E-07	0.00E+00	0.00E+00	1.33E-07	2.50E-08	1.59E-07	2.45E-08	2.36E-08	3.65E-07
4819	498363.09	3861377.25	1.13E-03	1.16E-03	1.15E-03	3.92E-07	1.18E-06	6.85E-07	6.99E-07	6.34E-07	2.89E-07	2.89E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.51E-07	2.32E-08	2.24E-08	3.46E-07
4820	471363.09	3861877.25	2.43E-04	2.48E-04	2.48E-04	8.43E-08	2.54E-07	1.47E-07	1.50E-07	1.36E-07	6.22E-08	6.21E-08	0.00E+00	0.00E+00	2.71E-08	5.10E-09	3.24E-08	4.99E-09	4.81E-09	7.44E-08
4821	471863.09	3861877.25	2.49E-04	2.54E-04	2.54E-04	8.63E-08	2.61E-07	1.51E-07	1.54E-07	1.40E-07	6.37E-08	6.36E-08	0.00E+00	0.00E+00	2.77E-08	5.22E-09	3.32E-08	5.11E-09	4.92E-09	7.62E-08
4822	472363.09	3861877.25	2.55E-04	2.61E-04	2.60E-04	8.84E-08	2.67E-07	1.55E-07	1.58E-07	1.43E-07	6.52E-08	6.52E-08	0.00E+00	0.00E+00	2.84E-08	5.35E-09	3.40E-08	5.24E-09	5.05E-09	7.81E-08
4823	472863.09	3861877.25	2.62E-04	2.68E-04	2.67E-04	9.08E-08	2.74E-07	1.59E-07	1.62E-07	1.47E-07	6.70E-08	6.69E-08	0.00E+00	0.00E+00	2.92E-08	5.50E-09	3.49E-08	5.38E-09	5.18E-09	8.01E-08
4824	473363.09	3861877.25	2.69E-04	2.74E-04	2.74E-04	9.30E-08	2.81E-07	1.63E-07	1.66E-07	1.50E-07	6.86E-08	6.85E-08	0.00E+00	0.00E+00	2.99E-08	5.63E-09	3.57E-08	5.51E-09	5.31E-09	8.21E-08
4825	473863.09	3861877.25	2.75E-04	2.81E-04	2.80E-04	9.52E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.02E-08	7.01E-08	0.00E+00	0.00E+00	3.06E-08	5.76E-09	3.66E-08	5.64E-09	5.43E-09	8.40E-08
4826	474363.09	3861877.25	2.81E-04	2.87E-04	2.87E-04	9.74E-08	2.94E-07	1.70E-07	1.74E-07	1.57E-07	7.19E-08	7.18E-08	0.00E+00	0.00E+00	3.13E-08	5.90E-09	3.74E-08	5.77E-09	5.56E-09	8.60E-08
4827	474863.09	3861877.25	2.87E-04	2.93E-04	2.93E-04	9.93E-08	3.00E-07	1.74E-07	1.77E-07	1.61E-07	7.33E-08	7.32E-08	0.00E+00	0.00E+00	3.19E-08	6.01E-09	3.82E-08	5.89E-09	5.67E-09	8.77E-08
4828	475363.09	3861877.25	2.92E-04	2.98E-04	2.98E-04	1.01E-07	3.06E-07	1.77E-07	1.80E-07	1.64E-07	7.47E-08	7.46E-08	0.00E+00	0.00E+00	3.25E-08	6.13E-09	3.89E-08	5.99E-09	5.77E-09	8.93E-08
4829	475863.09	3861877.25	2.97E-04	3.03E-04	3.03E-04	1.03E-07	3.11E-07	1.80E-07	1.84E-07	1.66E-07	7.59E-08	7.58E-08	0.00E+00	0.00E+00	3.31E-08	6.23E-09	3.95E-08	6.10E-09	5.87E-09	9.08E-08
4830	476363.09	3861877.25	3.01E-04	3.08E-04	3.07E-04	1.04E-07	3.15E-07	1.82E-07	1.86E-07	1.69E-07	7.70E-08	7.69E-08	0.00E+00	0.00E+00	3.36E-08	6.32E-09	4.01E-08	6.18E-09	5.95E-09	9.21E-08
4831	476863.09	3861877.25	3.03E-04	3.09E-04	3.09E-04	1.05E-07	3.17E-07	1.83E-07	1.87E-07	1.70E-07	7.74E-08	7.73E-08	0.00E+00	0.00E+00	3.37E-08	6.35E-09	4.03E-08	6.21E-09	5.98E-09	9.25E-08
4832	477363.09	3861877.25	3.02E-04	3.08E-04	3.08E-04	1.04E-07	3.15E-07	1.83E-07	1.86E-07	1.69E-07	7.71E-08	7.70E-08	0.00E+00	0.00E+00	3.36E-08	6.32E-09	4.01E-08	6.19E-09	5.96E-09	9.22E-08
4833	477863.09	3861877.25	2.61E-04	2.66E-04	2.66E-04	9.03E-08	2.73E-07	1.58E-07	1.61E-07	1.46E-07	6.66E-08	6.65E-08	0.00E+00	0.00E+00	2.90E-08	5.47E-09	3.47E-08	5.35E-09	5.15E-09	7.97E-08
4834	478363.09	3861877.25	1.59E-04	1.62E-04	1.62E-04	5.51E-08	1.66E-07	9.63E-08	9.82E-08	8.91E-08	4.06E-08	4.06E-08	0.00E+00	0.00E+00	1.77E-08	3.33E-09	2.12E-08	3.26E-09	3.14E-09	4.86E-08
4835	478863.09	3861877.25	2.27E-04	2.31E-04	2.31E-04	7.84E-08	2.37E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.78E-08	0.00E+00	0.00E+00	2.52E-08	4.75E-09	3.01E-08	4.65E-09	4.48E-09	6.92E-08
4836	479363.09	3861877.25	2.10E-04	2.14E-04	2.14E-04	7.27E-08	2.20E-07	1.27E-07	1.30E-07	1.18E-07	5.37E-08	5.36E-08	0.00E+00	0.00E+00	2.34E-08	4.40E-09	2.79E-08	4.31E-09	4.15E-09	6.42E-08
4837	479863.09	3861877.25	3.32E-04	3.39E-04	3.39E-04	1.15E-07	3.47E-07	2.01E-07	2.05E-07	1.86E-07	8.49E-08	8.48E-08	0.00E+00	0.00E+00	3.70E-08	6.97E-09	4.42E-08	6.82E-09	6.57E-09	1.02E-07
4838	480363.09	3861877.25	3.59E-04	3.67E-04	3.66E-04	1.24E-07	3.76E-07	2.18E-07	2.22E-07	2.01E-07	9.18E-08	9.17E-08	0.00E+00	0.00E+00	4.00E-08	7.53E-09	4.78E-08	7.37E-09	7.10E-09	1.10E-07
4839	480863.09	3861877.25	3.70E-04	3.77E-04	3.77E-04	1.28E-07	3.87E-07	2.24E-07	2.28E-07	2.07E-07	9.44E-08	9.43E-08	0.00E+00	0.00E+00	4.12E-08	7.75E-09	4.92E-08	7.58E-09	7.30E-09	1.13E-07
4840	481363.09	3861877.25	3.81E-04	3.88E-04	3.88E-04	1.32E-07	3.98E-07	2.30E-07	2.35E-07	2.13E-07	9.72E-08	9.71E-08	0.00E+00	0.00E+00	4.24E-08	7.98E-09	5.06E-08	7.81E-09	7.52E-09	1.16E-07
4841	481863.09	3861877.25	3.94E-04	4.02E-04	4.02E-04	1.36E-07	4.12E-07	2.39E-07	2.43E-07	2.21E-07	1.01E-07	1.01E-07	0.00E+00	0.00E+00	4.39E-08	8.26E-09	5.24E-08	8.09E-09	7.79E-09	1.20E-07
4842	482363.09	3861877.25	4.10E-04	4.19E-04	4.18E-04	1.42E-07	4.29E-07	2.48E-07	2.53E-07	2.30E-07	1.05E-07	1.05E-07	0.00E+00	0.00E+00	4.57E-08	8.60E-09	5.46E-08	8.42E-09	8.11E-09	1.25E-07
4843	482863.09	3861877.25	4.31E-04	4.40E-04	4.39E-04	1.49E-07	4.50E-07	2.61E-07	2.66E-07	2.41E-07	1.10E-07	1.10E-07	0.00E+00	0.00E+00	4.80E-08	9.03E-09	5.73E-08	8.83E-09	8.51E-09	1.32E-07
4844	483363.09	3861877.25	4.56E-04	4.65E-04	4.64E-04	1.58E-07	4.76E-07	2.76E-07	2.81E-07	2.55E-07	1.16E-07	1.16E-07	0.00E+00	0.00E+00	5.07E-08	9.55E-09	6.06E-08	9.34E-09	9.00E-09	1.39E-07
4845	483863.09	3861877.25	4.84E-04	4.93E-04	4.93E-04	1.67E-07	5.05E-07	2.93E-07	2.99E-07	2.71E-07	1.23E-07	1.23E-07	0.00E+00	0.00E+00	5.38E-08	1.01E-08	6.43E-08	9.92E-09	9.55E-09	1.48E-07
4846	484363.09	3861877.25	5.12E-04	5.22E-04	5.22E-04	1.77E-07	5.35E-07	3.10E-07	3.16E-07	2.86E-07	1.31E-07	1.31E-07	0.00E+00	0.00E+00	5.70E-08	1.07E-08	6.81E-08	1.05E-08	1.01E-08	1.56E-07
4847	484863.09	3861877.25	5.44E-04	5.55E-04	5.54E-04	1.88E-07	5.68E-07	3.29E-07	3.36E-07	3.04E-07	1.39E-07	1.39E-07	0.00E+00	0.00E+00	6.05E-08	1.14E-08	7.23E-08	1.11E-08	1.07E-08	1.66E-07
4848	485363.09	3861877.25	5.78E-04	5.90E-04	5.89E-04	2.00E-07	6.04E-07	3.50E-07	3.57E-07	3.23E-07	1.48E-07	1.47E-07	0.00E+00	0.00E+00	6.43E-08	1.21E-08	7.68E-08	1.18E-08	1.14E-08	1.77E-07
4849	485863.09	3861877.25	6.12E-04	6.24E-04	6.23E-04	2.12E-07	6.39E-07	3.70E-07	3.78E-07	3.42E-07	1.56E-07	1.56E-07	0.00E+00	0.00E+00	6.81E-08	1.28E-08	8.13E-08	1.25E-08	1.21E-08	1.87E-07
4850	486363.09	3861877.25	6.61E-04	6.75E-04	6.74E-04	2.29E-07	6.91E-07	4.00E-07	4.08E-07	3.70E-07	1.69E-07	1.69E-07	0.00E+00	0.00E+00	7.36E-08	1.39E-08	8.79E-08	1.36E-08	1.31E-08	2.02E-07
4851	486863.09	3861877.25	7.23E-04	7.38E-04	7.37E-04	2.50E-07	7.56E-07	4.38E-07	4.47E-07	4.05E-07	1.85E-07	1.85E-07	0.00E+00	0.00E+00	8.05E-08	1.52E-08	9.62E-08	1.48E-08	1.43E-08	2.21E-07
4852	487363.09	3861877.25	7.98E-04	8.15E-04	8.14E-04	2.76E-07	8.34E-07	4.83E-07	4.93E-07	4.47E-07	2.04E-07	2.04E-07	0.00E+00	0.00E+00	8.89E-08	1.67E-08	1.06E-07	1.64E-08	1.58E-08	2.44E-07
4853	487863.09	3861877.25	8.74E-04	8.92E-04	8.91E-04	3.03E-07	9.13E-07	5.29E-07	5.40E-07	4.89E-07	2.23E-07	2.23E-07	0.00E+00	0.00E+00	9.73E-08	1.83E-08	1.16E-07	1.79E-08	1.73E-08	2.67E-07
4854	488363.09	3861877.25	9.54E-04	9.73E-04	9.72E-04	3.30E-07	9.97E-07	5.77E-07	5.89E-07	5.34E-07	2.44E-07	2.43E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.88E-08	2.91E-07
4855	488863.09	3861877.25	1.03E-03	1.05E-03	1.05E-03	3.58E-07	1.08E-06	6.25E-07	6.38E-07	5.78E-07	2.64E-07	2.64E-07	0.00E+00	0.00E+00	1.15E-07	2.17E-08	1.37E-07	2.12E-08	2.04E-08	3.16E-07
4856	489363.09	3861877.25	1.09E-03	1.11E-03	1.11E-03	3.78E-07	1.14E-06	6.60E-07	6.73E-07	6.10E-07	2.79E-07	2.78E-07	0.00E+00	0.00E+00	1.21E-07	2.29E-08	1.45E-07	2.24E-08	2.15E-08	3.33E-07
4857	489863.09	3861877.25	1.17E-03	1.19E-03	1.19E-03	4.04E-07	1.22E-06	7.06E-07	7.20E-07	6.53E-07	2.98E-07	2.98E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.55E-07	2.39E-08	2.30E-08	3.56E-07
4858	490363.09	3861877.25	1.22E-03	1.25E-03	1.24E-03	4.23E-07	1.28E-06	7.39E-07	7.54E-07	6.84E-07	3.12E-07	3.12E-07	0.00E+00	0.00E+00	1.36E-07	2.56E-08	1.62E-07	2.50E-08	2.41E-08	3.73E-07
4859	490863.09	3861877.25	1.27E-03	1.29E-03	1.29E-03	4.38E-07	1.32E-06	7.66E-07	7.82E-07	7.09E-07	3.23E-07	3.23E-07	0.00E+00	0.00E+00	1.41E-07	2.65E-08	1.68E-07	2.60E-08	2.50E-08	3.87E-07
4860	491363.09	3861877.25	1.28E-03	1.30E-03	1.30E-03	4.42E-07	1.33E-06	7.73E-07	7.88E-07	7.15E-07	3.26E-07	3.26E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.52E-08	3.90E-07
4861	491863.09	3861877.25	1.28E-03	1.30E-03	1.30E-03	4.42E-07	1.34E-06	7.73E-07	7.89E-07	7.15E-07	3.26E-07	3.26E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.52E-08	3.90E-07
4862	492363.09	3861877.25	1.26E-03	1.29E-03	1.29E-03	4.38E-07	1.32E-06	7.65E-07	7.81E-07	7.08E-07	3.23E-07	3.23E-07	0.00E+00	0.00E+00	1.41E-07	2.65E-08	1.68E-07	2.59E-08	2.50E-08	3.86E-07
4863	492863.09	3861877.25	1.27E-03	1.30E-03	1.30E-03	4.40E-07	1.33E-06	7.69E-07	7.84E-07	7.11E-07	3.24E-07	3.24E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.61E-08	2.51E-08	3.88E-07
4864	493363.09	3861877.25	1.23E-03	1.26E-03	1.25E-03	4.26E-07	1.29E-06	7.44E-07	7.59E-07	6.88E-07	3.14E-07	3.14E-07	0.00E+00	0.00E+00	1.37E-07	2.58E-08	1.64E-07	2.52E-08	2.43E-08	3.76E-07
4865	493863.09	3861877.25	1.21E-03	1.23E-03	1.23E-03	4.19E-07	1.26E-06	7.32E-07	7.47E-07	6.77E-07	3.09E-07	3.09E-07	0.00E+00	0.00E+00	1.35E-07	2.53E-08	1.61E-07	2.48E-08	2.39E-08	3.70E-07

4866	494363.09	3861877.25	1.25E-03	1.28E-03	1.28E-03	4.34E-07	1.31E-06	7.59E-07	7.74E-07	7.02E-07	3.20E-07	3.20E-07	0.00E+00	0.00E+00	1.40E-07	2.63E-08	1.67E-07	2.57E-08	2.48E-08	3.83E-07
4867	494863.09	3861877.25	1.24E-03	1.27E-03	1.26E-03	4.29E-07	1.30E-06	7.50E-07	7.66E-07	6.94E-07	3.17E-07	3.16E-07	0.00E+00	0.00E+00	1.38E-07	2.60E-08	1.65E-07	2.54E-08	2.45E-08	3.79E-07
4868	495363.09	3861877.25	1.18E-03	1.21E-03	1.20E-03	4.09E-07	1.23E-06	7.15E-07	7.29E-07	6.61E-07	3.02E-07	3.01E-07	0.00E+00	0.00E+00	1.31E-07	2.48E-08	1.57E-07	2.42E-08	2.33E-08	3.61E-07
4869	495863.09	3861877.25	1.12E-03	1.15E-03	1.14E-03	3.89E-07	1.17E-06	6.80E-07	6.94E-07	6.29E-07	2.87E-07	2.87E-07	0.00E+00	0.00E+00	1.25E-07	2.35E-08	1.49E-07	2.30E-08	2.22E-08	3.43E-07
4870	496363.09	3861877.25	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.13E-06	6.52E-07	6.65E-07	6.03E-07	2.75E-07	2.75E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.43E-07	2.21E-08	2.13E-08	3.29E-07
4871	496863.09	3861877.25	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.12E-06	6.51E-07	6.64E-07	6.02E-07	2.75E-07	2.74E-07	0.00E+00	0.00E+00	1.20E-07	2.26E-08	1.43E-07	2.21E-08	2.13E-08	3.29E-07
4872	497363.09	3861877.25	1.01E-03	1.03E-03	1.03E-03	3.51E-07	1.06E-06	6.13E-07	6.26E-07	5.67E-07	2.59E-07	2.58E-07	0.00E+00	0.00E+00	1.13E-07	2.12E-08	1.35E-07	2.08E-08	2.00E-08	3.10E-07
4873	497863.09	3861877.25	9.63E-04	9.83E-04	9.81E-04	3.33E-07	1.01E-06	5.83E-07	5.95E-07	5.39E-07	2.46E-07	2.46E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.97E-08	1.90E-08	2.94E-07
4874	498363.09	3861877.25	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.71E-07	5.17E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.82E-07
4875	471363.09	3862377.25	2.33E-04	2.38E-04	2.37E-04	8.06E-08	2.43E-07	1.41E-07	1.44E-07	1.30E-07	5.94E-08	5.94E-08	0.00E+00	0.00E+00	2.59E-08	4.88E-09	3.10E-08	4.77E-09	4.60E-09	7.11E-08
4876	471863.09	3862377.25	2.38E-04	2.43E-04	2.43E-04	8.24E-08	2.49E-07	1.44E-07	1.47E-07	1.33E-07	6.08E-08	6.07E-08	0.00E+00	0.00E+00	2.65E-08	4.99E-09	3.17E-08	4.88E-09	4.70E-09	7.27E-08
4877	472363.09	3862377.25	2.44E-04	2.49E-04	2.49E-04	8.45E-08	2.55E-07	1.48E-07	1.51E-07	1.37E-07	6.23E-08	6.22E-08	0.00E+00	0.00E+00	2.72E-08	5.11E-09	3.24E-08	5.00E-09	4.82E-09	7.45E-08
4878	472863.09	3862377.25	2.50E-04	2.55E-04	2.55E-04	8.65E-08	2.61E-07	1.51E-07	1.54E-07	1.40E-07	6.38E-08	6.37E-08	0.00E+00	0.00E+00	2.78E-08	5.24E-09	3.32E-08	5.12E-09	4.94E-09	7.63E-08
4879	473363.09	3862377.25	2.56E-04	2.61E-04	2.61E-04	8.86E-08	2.68E-07	1.55E-07	1.58E-07	1.43E-07	6.54E-08	6.53E-08	0.00E+00	0.00E+00	2.85E-08	5.37E-09	3.41E-08	5.25E-09	5.06E-09	7.82E-08
4880	473863.09	3862377.25	2.62E-04	2.68E-04	2.67E-04	9.08E-08	2.74E-07	1.59E-07	1.62E-07	1.47E-07	6.70E-08	6.69E-08	0.00E+00	0.00E+00	2.92E-08	5.50E-09	3.49E-08	5.38E-09	5.18E-09	8.01E-08
4881	474363.09	3862377.25	2.68E-04	2.74E-04	2.73E-04	9.28E-08	2.80E-07	1.62E-07	1.66E-07	1.50E-07	6.85E-08	6.84E-08	0.00E+00	0.00E+00	2.98E-08	5.62E-09	3.57E-08	5.50E-09	5.30E-09	8.19E-08
4882	474863.09	3862377.25	2.72E-04	2.78E-04	2.77E-04	9.41E-08	2.84E-07	1.65E-07	1.68E-07	1.52E-07	6.95E-08	6.94E-08	0.00E+00	0.00E+00	3.03E-08	5.70E-09	3.62E-08	5.58E-09	5.37E-09	8.31E-08
4883	475363.09	3862377.25	2.77E-04	2.82E-04	2.82E-04	9.58E-08	2.89E-07	1.67E-07	1.71E-07	1.55E-07	7.07E-08	7.06E-08	0.00E+00	0.00E+00	3.08E-08	5.80E-09	3.68E-08	5.67E-09	5.47E-09	8.45E-08
4884	475863.09	3862377.25	2.81E-04	2.87E-04	2.87E-04	9.73E-08	2.94E-07	1.70E-07	1.74E-07	1.57E-07	7.18E-08	7.17E-08	0.00E+00	0.00E+00	3.13E-08	5.89E-09	3.74E-08	5.76E-09	5.55E-09	8.59E-08
4885	476363.09	3862377.25	2.86E-04	2.92E-04	2.91E-04	9.89E-08	2.99E-07	1.73E-07	1.76E-07	1.60E-07	7.30E-08	7.29E-08	0.00E+00	0.00E+00	3.18E-08	5.99E-09	3.80E-08	5.86E-09	5.65E-09	8.73E-08
4886	476863.09	3862377.25	2.91E-04	2.97E-04	2.97E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.43E-08	7.43E-08	0.00E+00	0.00E+00	3.24E-08	6.10E-09	3.87E-08	5.97E-09	5.75E-09	8.89E-08
4887	477363.09	3862377.25	2.93E-04	2.99E-04	2.98E-04	1.01E-07	3.06E-07	1.77E-07	1.81E-07	1.64E-07	7.47E-08	7.46E-08	0.00E+00	0.00E+00	3.26E-08	6.13E-09	3.89E-08	6.00E-09	5.78E-09	8.94E-08
4888	477863.09	3862377.25	2.67E-04	2.72E-04	2.72E-04	9.23E-08	2.79E-07	1.61E-07	1.65E-07	1.49E-07	6.81E-08	6.80E-08	0.00E+00	0.00E+00	2.97E-08	5.59E-09	3.55E-08	5.47E-09	5.27E-09	8.15E-08
4889	478363.09	3862377.25	2.31E-04	2.36E-04	2.36E-04	8.01E-08	2.42E-07	1.40E-07	1.43E-07	1.29E-07	5.91E-08	5.90E-08	0.00E+00	0.00E+00	2.57E-08	4.85E-09	3.08E-08	4.74E-09	4.57E-09	7.07E-08
4890	478863.09	3862377.25	2.37E-04	2.42E-04	2.42E-04	8.22E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.07E-08	6.06E-08	0.00E+00	0.00E+00	2.64E-08	4.98E-09	3.16E-08	4.87E-09	4.69E-09	7.26E-08
4891	479363.09	3862377.25	2.63E-04	2.68E-04	2.68E-04	9.10E-08	2.75E-07	1.59E-07	1.62E-07	1.47E-07	6.71E-08	6.70E-08	0.00E+00	0.00E+00	2.93E-08	5.51E-09	3.50E-08	5.39E-09	5.19E-09	8.03E-08
4892	479863.09	3862377.25	3.25E-04	3.32E-04	3.31E-04	1.13E-07	3.40E-07	1.97E-07	2.01E-07	1.82E-07	8.30E-08	8.29E-08	0.00E+00	0.00E+00	3.62E-08	6.81E-09	4.32E-08	6.67E-09	6.42E-09	9.93E-08
4893	480363.09	3862377.25	3.44E-04	3.51E-04	3.50E-04	1.19E-07	3.59E-07	2.08E-07	2.12E-07	1.92E-07	8.78E-08	8.77E-08	0.00E+00	0.00E+00	3.83E-08	7.21E-09	4.57E-08	7.05E-09	6.79E-09	1.05E-07
4894	480863.09	3862377.25	3.53E-04	3.60E-04	3.60E-04	1.22E-07	3.69E-07	2.14E-07	2.18E-07	1.98E-07	9.02E-08	9.00E-08	0.00E+00	0.00E+00	3.93E-08	7.40E-09	4.69E-08	7.24E-09	6.97E-09	1.08E-07
4895	481363.09	3862377.25	3.65E-04	3.73E-04	3.72E-04	1.26E-07	3.82E-07	2.21E-07	2.25E-07	2.04E-07	9.32E-08	9.31E-08	0.00E+00	0.00E+00	4.06E-08	7.65E-09	4.86E-08	7.49E-09	7.21E-09	1.12E-07
4896	481863.09	3862377.25	3.80E-04	3.88E-04	3.87E-04	1.31E-07	3.97E-07	2.30E-07	2.35E-07	2.13E-07	9.70E-08	9.69E-08	0.00E+00	0.00E+00	4.23E-08	7.96E-09	5.05E-08	7.79E-09	7.50E-09	1.16E-07
4897	482363.09	3862377.25	3.96E-04	4.04E-04	4.04E-04	1.37E-07	4.14E-07	2.40E-07	2.45E-07	2.22E-07	1.01E-07	1.01E-07	0.00E+00	0.00E+00	4.41E-08	8.30E-09	5.27E-08	8.12E-09	7.82E-09	1.21E-07
4898	482863.09	3862377.25	4.13E-04	4.21E-04	4.20E-04	1.43E-07	4.31E-07	2.50E-07	2.55E-07	2.31E-07	1.05E-07	1.05E-07	0.00E+00	0.00E+00	4.59E-08	8.65E-09	5.49E-08	8.46E-09	8.15E-09	1.26E-07
4899	483363.09	3862377.25	4.30E-04	4.39E-04	4.38E-04	1.49E-07	4.50E-07	2.60E-07	2.66E-07	2.41E-07	1.10E-07	1.10E-07	0.00E+00	0.00E+00	4.79E-08	9.02E-09	5.72E-08	8.82E-09	8.50E-09	1.31E-07
4900	483863.09	3862377.25	4.51E-04	4.60E-04	4.59E-04	1.56E-07	4.71E-07	2.73E-07	2.78E-07	2.52E-07	1.15E-07	1.15E-07	0.00E+00	0.00E+00	5.02E-08	9.45E-09	6.00E-08	9.25E-09	8.90E-09	1.38E-07
4901	484363.09	3862377.25	4.76E-04	4.86E-04	4.85E-04	1.65E-07	4.97E-07	2.88E-07	2.94E-07	2.66E-07	1.22E-07	1.21E-07	0.00E+00	0.00E+00	5.30E-08	9.97E-09	6.33E-08	9.76E-09	9.40E-09	1.45E-07
4902	484863.09	3862377.25	5.01E-04	5.11E-04	5.11E-04	1.73E-07	5.24E-07	3.03E-07	3.09E-07	2.80E-07	1.28E-07	1.28E-07	0.00E+00	0.00E+00	5.58E-08	1.05E-08	6.66E-08	1.03E-08	9.89E-09	1.53E-07
4903	485363.09	3862377.25	5.25E-04	5.36E-04	5.35E-04	1.82E-07	5.49E-07	3.18E-07	3.24E-07	2.94E-07	1.34E-07	1.34E-07	0.00E+00	0.00E+00	5.85E-08	1.10E-08	6.98E-08	1.08E-08	1.04E-08	1.60E-07
4904	485863.09	3862377.25	5.56E-04	5.67E-04	5.67E-04	1.92E-07	5.81E-07	3.36E-07	3.43E-07	3.11E-07	1.42E-07	1.42E-07	0.00E+00	0.00E+00	6.19E-08	1.17E-08	7.39E-08	1.14E-08	1.10E-08	1.70E-07
4905	486363.09	3862377.25	5.91E-04	6.03E-04	6.02E-04	2.05E-07	6.18E-07	3.57E-07	3.65E-07	3.31E-07	1.51E-07	1.51E-07	0.00E+00	0.00E+00	6.58E-08	1.24E-08	7.86E-08	1.21E-08	1.17E-08	1.80E-07
4906	486863.09	3862377.25	6.35E-04	6.48E-04	6.48E-04	2.20E-07	6.64E-07	3.84E-07	3.92E-07	3.56E-07	1.62E-07	1.62E-07	0.00E+00	0.00E+00	7.07E-08	1.33E-08	8.45E-08	1.30E-08	1.25E-08	1.94E-07
4907	487363.09	3862377.25	6.86E-04	7.00E-04	6.99E-04	2.38E-07	7.17E-07	4.15E-07	4.24E-07	3.84E-07	1.75E-07	1.75E-07	0.00E+00	0.00E+00	7.64E-08	1.44E-08	9.13E-08	1.41E-08	1.36E-08	2.10E-07
4908	487863.09	3862377.25	7.36E-04	7.51E-04	7.50E-04	2.55E-07	7.69E-07	4.45E-07	4.54E-07	4.12E-07	1.88E-07	1.88E-07	0.00E+00	0.00E+00	8.19E-08	1.54E-08	9.79E-08	1.51E-08	1.45E-08	2.25E-07
4909	488363.09	3862377.25	7.83E-04	7.99E-04	7.98E-04	2.71E-07	8.18E-07	4.74E-07	4.83E-07	4.38E-07	2.00E-07	2.00E-07	0.00E+00	0.00E+00	8.72E-08	1.64E-08	1.04E-07	1.61E-08	1.55E-08	2.39E-07
4910	488863.09	3862377.25	8.31E-04	8.48E-04	8.47E-04	2.88E-07	8.69E-07	5.03E-07	5.13E-07	4.65E-07	2.12E-07	2.12E-07	0.00E+00	0.00E+00	9.25E-08	1.74E-08	1.11E-07	1.70E-08	1.64E-08	2.54E-07
4911	489363.09	3862377.25	8.77E-04	8.95E-04	8.94E-04	3.04E-07	9.17E-07	5.31E-07	5.41E-07	4.91E-07	2.24E-07	2.24E-07	0.00E+00	0.00E+00	9.76E-08	1.84E-08	1.17E-07	1.80E-08	1.73E-08	2.68E-07
4912	489863.09	3862377.25	9.21E-04	9.40E-04	9.39E-04	3.19E-07	9.62E-07	5.57E-07	5.69E-07	5.15E-07	2.35E-07	2.35E-07	0.00E+00	0.00E+00	1.03E-07	1.93E-08	1.22E-07	1.89E-08	1.82E-08	2.81E-07
4913	490363.09	3862377.25	9.54E-04	9.74E-04	9.72E-04	3.30E-07	9.97E-07	5.77E-07	5.89E-07	5.34E-07	2.44E-07	2.43E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.88E-08	2.91E-07
4914	490863.09	3862377.25	9.53E-04	9.72E-04	9.71E-04	3.30E-07	9.96E-07	5.77E-07	5.88E-07	5.33E-07	2.43E-07	2.43E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.95E-08	1.88E-08	2.91E-07
4915	491363.09	3862377.25	9.43E-04	9.62E-04	9.61E-04	3.26E-07	9.86E-07	5.71E-07	5.82E-07	5.28E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.25E-07	1.93E-08	1.86E-08	2.88E-07
4916	491863.09	3862377.25	9.23E-04	9.42E-04	9.41E-04	3.20E-07	9.65E-07	5.59E-07	5.70E-07	5.17E-07	2.36E-07	2.35E-07	0.00E+00	0.00E+00	1.03E-07	1.93E-08	1.23E-07	1.89E-08	1.82E-08	2.82E-07
4917	492363.09	3862377.25	9.32E-04	9.51E-04	9.50E-04	3.23E-07	9.74E-07	5.64E-07	5.76E-07	5.22E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07
4918	492863.09	3862377.25	9.46E-04	9.65E-04	9.64E-04	3.27E-07	9.89E-07	5.72E-07	5.84E-07	5.29E-07	2.42E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.87E-08	2.89E-07
4919	493363.09	3862377.25	9.39E-04	9.58E-04	9.57E-04	3.25E-07	9.81E-07	5.68E-07	5.80E-07	5.25E-07	2.40E-07	2.39E-07	0.00E+00	0.00E+00	1.05E-07	1.97E-08	1.25E-07	1.93E-08	1.85E-08	2.87E-07
4920	493863.09	3862377.25	9.07E-04	9.25E-04	9.24E-04	3.14E-07	9.48E-07	5.49E-07	5.60E-07	5.07E-07	2.32E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.77E-07
4921	494363.09	3862377.25	8.71E-04	8.89E-04	8.87E-04	3.01E-07	9.10E-07	5.27E-07	5.38E-07	4.87E-07	2.22E-07	2.22E-07	0.00E+00	0.00E+00	9.69E-08	1.82E-08	1.16E-07	1.79E-08	1.72E-08	2.66E-07

4922	494863.09	3862377.25	8.90E-04	9.08E-04	9.07E-04	3.08E-07	9.30E-07	5.39E-07	5.50E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.91E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
4923	495363.09	3862377.25	9.04E-04	9.23E-04	9.22E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.20E-07	1.85E-08	1.79E-08	2.76E-07
4924	495863.09	3862377.25	8.87E-04	9.05E-04	9.04E-04	3.07E-07	9.27E-07	5.36E-07	5.47E-07	4.96E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.87E-08	1.86E-08	1.18E-07	1.82E-08	1.75E-08	2.71E-07
4925	496363.09	3862377.25	8.51E-04	8.69E-04	8.68E-04	2.95E-07	8.90E-07	5.15E-07	5.26E-07	4.76E-07	2.17E-07	2.17E-07	0.00E+00	0.00E+00	9.48E-08	1.78E-08	1.13E-07	1.75E-08	1.68E-08	2.60E-07
4926	496863.09	3862377.25	8.31E-04	8.48E-04	8.47E-04	2.88E-07	8.69E-07	5.03E-07	5.13E-07	4.65E-07	2.12E-07	2.12E-07	0.00E+00	0.00E+00	9.25E-08	1.74E-08	1.11E-07	1.70E-08	1.64E-08	2.54E-07
4927	497363.09	3862377.25	7.96E-04	8.12E-04	8.11E-04	2.76E-07	8.32E-07	4.82E-07	4.91E-07	4.45E-07	2.03E-07	2.03E-07	0.00E+00	0.00E+00	8.86E-08	1.67E-08	1.06E-07	1.63E-08	1.57E-08	2.43E-07
4928	497863.09	3862377.25	7.69E-04	7.85E-04	7.84E-04	2.66E-07	8.04E-07	4.65E-07	4.75E-07	4.30E-07	1.96E-07	1.96E-07	0.00E+00	0.00E+00	8.56E-08	1.61E-08	1.02E-07	1.58E-08	1.52E-08	2.35E-07
4929	498363.09	3862377.25	7.42E-04	7.57E-04	7.56E-04	2.57E-07	7.75E-07	4.49E-07	4.58E-07	4.15E-07	1.89E-07	1.89E-07	0.00E+00	0.00E+00	8.26E-08	1.55E-08	9.86E-08	1.52E-08	1.46E-08	2.27E-07
4930	471363.09	3862877.25	2.22E-04	2.27E-04	2.26E-04	7.69E-08	2.32E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.67E-08	0.00E+00	0.00E+00	2.47E-08	4.66E-09	2.95E-08	4.56E-09	4.39E-09	6.79E-08
4931	471863.09	3862877.25	2.27E-04	2.32E-04	2.31E-04	7.85E-08	2.37E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.79E-08	0.00E+00	0.00E+00	2.53E-08	4.75E-09	3.02E-08	4.65E-09	4.48E-09	6.93E-08
4932	472363.09	3862877.25	2.32E-04	2.37E-04	2.37E-04	8.04E-08	2.43E-07	1.40E-07	1.43E-07	1.30E-07	5.93E-08	5.92E-08	0.00E+00	0.00E+00	2.58E-08	4.87E-09	3.09E-08	4.76E-09	4.59E-09	7.09E-08
4933	472863.09	3862877.25	2.38E-04	2.43E-04	2.42E-04	8.23E-08	2.49E-07	1.44E-07	1.47E-07	1.33E-07	6.07E-08	6.07E-08	0.00E+00	0.00E+00	2.65E-08	4.98E-09	3.16E-08	4.88E-09	4.70E-09	7.26E-08
4934	473363.09	3862877.25	2.44E-04	2.49E-04	2.49E-04	8.45E-08	2.55E-07	1.48E-07	1.51E-07	1.37E-07	6.23E-08	6.22E-08	0.00E+00	0.00E+00	2.72E-08	5.11E-09	3.24E-08	5.00E-09	4.82E-09	7.45E-08
4935	473863.09	3862877.25	2.50E-04	2.55E-04	2.54E-04	8.64E-08	2.61E-07	1.51E-07	1.54E-07	1.40E-07	6.37E-08	6.37E-08	0.00E+00	0.00E+00	2.78E-08	5.23E-09	3.32E-08	5.12E-09	4.93E-09	7.63E-08
4936	474363.09	3862877.25	2.55E-04	2.60E-04	2.60E-04	8.82E-08	2.66E-07	1.54E-07	1.57E-07	1.43E-07	6.51E-08	6.50E-08	0.00E+00	0.00E+00	2.84E-08	5.34E-09	3.39E-08	5.23E-09	5.03E-09	7.79E-08
4937	474863.09	3862877.25	2.59E-04	2.64E-04	2.64E-04	8.97E-08	2.71E-07	1.57E-07	1.60E-07	1.45E-07	6.61E-08	6.61E-08	0.00E+00	0.00E+00	2.88E-08	5.43E-09	3.44E-08	5.31E-09	5.12E-09	7.91E-08
4938	475363.09	3862877.25	2.63E-04	2.69E-04	2.68E-04	9.12E-08	2.75E-07	1.59E-07	1.63E-07	1.47E-07	6.73E-08	6.72E-08	0.00E+00	0.00E+00	2.93E-08	5.52E-09	3.50E-08	5.40E-09	5.20E-09	8.05E-08
4939	475863.09	3862877.25	2.68E-04	2.73E-04	2.73E-04	9.27E-08	2.80E-07	1.62E-07	1.65E-07	1.50E-07	6.84E-08	6.83E-08	0.00E+00	0.00E+00	2.98E-08	5.61E-09	3.56E-08	5.49E-09	5.29E-09	8.18E-08
4940	476363.09	3862877.25	2.73E-04	2.78E-04	2.78E-04	9.45E-08	2.85E-07	1.65E-07	1.68E-07	1.53E-07	6.97E-08	6.96E-08	0.00E+00	0.00E+00	3.04E-08	5.72E-09	3.63E-08	5.60E-09	5.39E-09	8.34E-08
4941	476863.09	3862877.25	2.78E-04	2.84E-04	2.84E-04	9.64E-08	2.91E-07	1.68E-07	1.72E-07	1.56E-07	7.11E-08	7.10E-08	0.00E+00	0.00E+00	3.10E-08	5.84E-09	3.70E-08	5.71E-09	5.50E-09	8.51E-08
4942	477363.09	3862877.25	2.83E-04	2.89E-04	2.88E-04	9.79E-08	2.96E-07	1.71E-07	1.75E-07	1.58E-07	7.22E-08	7.22E-08	0.00E+00	0.00E+00	3.15E-08	5.93E-09	3.76E-08	5.80E-09	5.59E-09	8.64E-08
4943	477863.09	3862877.25	2.78E-04	2.84E-04	2.84E-04	9.64E-08	2.91E-07	1.68E-07	1.72E-07	1.56E-07	7.11E-08	7.10E-08	0.00E+00	0.00E+00	3.10E-08	5.84E-09	3.70E-08	5.71E-09	5.50E-09	8.51E-08
4944	478363.09	3862877.25	2.48E-04	2.53E-04	2.53E-04	8.60E-08	2.60E-07	1.50E-07	1.53E-07	1.39E-07	6.34E-08	6.34E-08	0.00E+00	0.00E+00	2.77E-08	5.21E-09	3.30E-08	5.09E-09	4.91E-09	7.59E-08
4945	478863.09	3862877.25	2.53E-04	2.59E-04	2.58E-04	8.77E-08	2.65E-07	1.53E-07	1.56E-07	1.42E-07	6.47E-08	6.46E-08	0.00E+00	0.00E+00	2.82E-08	5.31E-09	3.37E-08	5.20E-09	5.01E-09	7.74E-08
4946	479363.09	3862877.25	2.63E-04	2.69E-04	2.68E-04	9.12E-08	2.75E-07	1.59E-07	1.63E-07	1.47E-07	6.73E-08	6.72E-08	0.00E+00	0.00E+00	2.93E-08	5.52E-09	3.50E-08	5.40E-09	5.20E-09	8.05E-08
4947	479863.09	3862877.25	3.20E-04	3.27E-04	3.26E-04	1.11E-07	3.34E-07	1.94E-07	1.98E-07	1.79E-07	8.17E-08	8.16E-08	0.00E+00	0.00E+00	3.56E-08	6.71E-09	4.26E-08	6.56E-09	6.32E-09	9.78E-08
4948	480363.09	3862877.25	3.31E-04	3.38E-04	3.37E-04	1.15E-07	3.46E-07	2.00E-07	2.04E-07	1.85E-07	8.45E-08	8.44E-08	0.00E+00	0.00E+00	3.68E-08	6.93E-09	4.40E-08	6.79E-09	6.54E-09	1.01E-07
4949	480863.09	3862877.25	3.41E-04	3.48E-04	3.48E-04	1.18E-07	3.57E-07	2.06E-07	2.11E-07	1.91E-07	8.71E-08	8.70E-08	0.00E+00	0.00E+00	3.80E-08	7.15E-09	4.54E-08	7.00E-09	6.74E-09	1.04E-07
4950	481363.09	3862877.25	3.52E-04	3.60E-04	3.59E-04	1.22E-07	3.68E-07	2.13E-07	2.18E-07	1.97E-07	9.00E-08	8.99E-08	0.00E+00	0.00E+00	3.92E-08	7.39E-09	4.69E-08	7.23E-09	6.96E-09	1.08E-07
4951	481863.09	3862877.25	3.65E-04	3.72E-04	3.72E-04	1.26E-07	3.81E-07	2.21E-07	2.25E-07	2.04E-07	9.32E-08	9.31E-08	0.00E+00	0.00E+00	4.06E-08	7.65E-09	4.85E-08	7.48E-09	7.21E-09	1.11E-07
4952	482363.09	3862877.25	3.76E-04	3.84E-04	3.83E-04	1.30E-07	3.93E-07	2.27E-07	2.32E-07	2.10E-07	9.60E-08	9.59E-08	0.00E+00	0.00E+00	4.19E-08	7.88E-09	5.00E-08	7.71E-09	7.43E-09	1.15E-07
4953	482863.09	3862877.25	3.88E-04	3.96E-04	3.96E-04	1.34E-07	4.06E-07	2.35E-07	2.40E-07	2.17E-07	9.92E-08	9.91E-08	0.00E+00	0.00E+00	4.32E-08	8.14E-09	5.16E-08	7.96E-09	7.67E-09	1.19E-07
4954	483363.09	3862877.25	4.03E-04	4.11E-04	4.11E-04	1.40E-07	4.21E-07	2.44E-07	2.49E-07	2.26E-07	1.03E-07	1.03E-07	0.00E+00	0.00E+00	4.49E-08	8.45E-09	5.36E-08	8.27E-09	7.96E-09	1.23E-07
4955	483863.09	3862877.25	4.20E-04	4.29E-04	4.28E-04	1.45E-07	4.39E-07	2.54E-07	2.59E-07	2.35E-07	1.07E-07	1.07E-07	0.00E+00	0.00E+00	4.68E-08	8.81E-09	5.59E-08	8.62E-09	8.30E-09	1.28E-07
4956	484363.09	3862877.25	4.39E-04	4.48E-04	4.48E-04	1.52E-07	4.59E-07	2.66E-07	2.71E-07	2.46E-07	1.12E-07	1.12E-07	0.00E+00	0.00E+00	4.89E-08	9.21E-09	5.84E-08	9.01E-09	8.68E-09	1.34E-07
4957	484863.09	3862877.25	4.56E-04	4.65E-04	4.64E-04	1.58E-07	4.76E-07	2.76E-07	2.81E-07	2.55E-07	1.16E-07	1.16E-07	0.00E+00	0.00E+00	5.07E-08	9.55E-09	6.06E-08	9.34E-09	9.00E-09	1.39E-07
4958	485363.09	3862877.25	4.76E-04	4.85E-04	4.85E-04	1.65E-07	4.97E-07	2.88E-07	2.94E-07	2.66E-07	1.21E-07	1.21E-07	0.00E+00	0.00E+00	5.29E-08	9.97E-09	6.32E-08	9.75E-09	9.39E-09	1.45E-07
4959	485863.09	3862877.25	4.99E-04	5.09E-04	5.08E-04	1.73E-07	5.21E-07	3.02E-07	3.08E-07	2.79E-07	1.27E-07	1.27E-07	0.00E+00	0.00E+00	5.55E-08	1.05E-08	6.63E-08	1.02E-08	9.85E-09	1.52E-07
4960	486363.09	3862877.25	5.29E-04	5.40E-04	5.39E-04	1.83E-07	5.53E-07	3.20E-07	3.27E-07	2.96E-07	1.35E-07	1.35E-07	0.00E+00	0.00E+00	5.89E-08	1.11E-08	7.03E-08	1.08E-08	1.04E-08	1.62E-07
4961	486863.09	3862877.25	5.59E-04	5.70E-04	5.69E-04	1.93E-07	5.84E-07	3.38E-07	3.45E-07	3.13E-07	1.43E-07	1.43E-07	0.00E+00	0.00E+00	6.22E-08	1.17E-08	7.43E-08	1.15E-08	1.10E-08	1.71E-07
4962	487363.09	3862877.25	5.90E-04	6.02E-04	6.01E-04	2.04E-07	6.16E-07	3.57E-07	3.64E-07	3.30E-07	1.51E-07	1.50E-07	0.00E+00	0.00E+00	6.56E-08	1.24E-08	7.84E-08	1.21E-08	1.16E-08	1.80E-07
4963	487863.09	3862877.25	6.24E-04	6.36E-04	6.35E-04	2.16E-07	6.52E-07	3.77E-07	3.85E-07	3.49E-07	1.59E-07	1.59E-07	0.00E+00	0.00E+00	6.94E-08	1.31E-08	8.29E-08	1.28E-08	1.23E-08	1.90E-07
4964	488363.09	3862877.25	6.62E-04	6.76E-04	6.75E-04	2.29E-07	6.92E-07	4.01E-07	4.09E-07	3.71E-07	1.69E-07	1.69E-07	0.00E+00	0.00E+00	7.37E-08	1.39E-08	8.80E-08	1.36E-08	1.31E-08	2.02E-07
4965	488863.09	3862877.25	6.97E-04	7.11E-04	7.11E-04	2.41E-07	7.29E-07	4.22E-07	4.30E-07	3.90E-07	1.78E-07	1.78E-07	0.00E+00	0.00E+00	7.76E-08	1.46E-08	9.27E-08	1.43E-08	1.38E-08	2.13E-07
4966	489363.09	3862877.25	7.23E-04	7.38E-04	7.37E-04	2.50E-07	7.56E-07	4.38E-07	4.47E-07	4.05E-07	1.85E-07	1.85E-07	0.00E+00	0.00E+00	8.05E-08	1.52E-08	9.62E-08	1.48E-08	1.43E-08	2.21E-07
4967	489863.09	3862877.25	7.46E-04	7.61E-04	7.60E-04	2.58E-07	7.80E-07	4.51E-07	4.61E-07	4.18E-07	1.91E-07	1.90E-07	0.00E+00	0.00E+00	8.31E-08	1.56E-08	9.92E-08	1.53E-08	1.47E-08	2.28E-07
4968	490363.09	3862877.25	7.56E-04	7.72E-04	7.71E-04	2.62E-07	7.90E-07	4.57E-07	4.67E-07	4.23E-07	1.93E-07	1.93E-07	0.00E+00	0.00E+00	8.42E-08	1.58E-08	1.01E-07	1.55E-08	1.49E-08	2.31E-07
4969	490863.09	3862877.25	7.50E-04	7.66E-04	7.65E-04	2.60E-07	7.84E-07	4.54E-07	4.63E-07	4.20E-07	1.92E-07	1.91E-07	0.00E+00	0.00E+00	8.35E-08	1.57E-08	9.98E-08	1.54E-08	1.48E-08	2.29E-07
4970	491363.09	3862877.25	7.50E-04	7.65E-04	7.64E-04	2.59E-07	7.84E-07	4.54E-07	4.63E-07	4.20E-07	1.91E-07	1.91E-07	0.00E+00	0.00E+00	8.34E-08	1.57E-08	9.97E-08	1.54E-08	1.48E-08	2.29E-07
4971	491863.09	3862877.25	7.29E-04	7.44E-04	7.43E-04	2.52E-07	7.62E-07	4.41E-07	4.50E-07	4.08E-07	1.86E-07	1.86E-07	0.00E+00	0.00E+00	8.11E-08	1.53E-08	9.69E-08	1.49E-08	1.44E-08	2.23E-07
4972	492363.09	3862877.25	7.35E-04	7.50E-04	7.49E-04	2.54E-07	7.68E-07	4.44E-07	4.54E-07	4.11E-07	1.88E-07	1.87E-07	0.00E+00	0.00E+00	8.18E-08	1.54E-08	9.77E-08	1.51E-08	1.45E-08	2.24E-07
4973	492863.09	3862877.25	7.33E-04	7.47E-04	7.47E-04	2.54E-07	7.66E-07	4.43E-07	4.52E-07	4.10E-07	1.87E-07	1.87E-07	0.00E+00	0.00E+00	8.15E-08	1.54E-08	9.74E-08	1.50E-08	1.45E-08	2.24E-07
4974	493363.09	3862877.25	7.48E-04	7.63E-04	7.62E-04	2.59E-07	7.82E-07	4.53E-07	4.62E-07	4.19E-07	1.91E-07	1.91E-07	0.00E+00	0.00E+00	8.32E-08	1.57E-08	9.95E-08	1.53E-08	1.48E-08	2.28E-07
4975	493863.09	3862877.25	7.45E-04	7.61E-04	7.60E-04	2.58E-07	7.79E-07	4.51E-07	4.60E-07	4.17E-07	1.90E-07	1.90E-07	0.00E+00	0.00E+00	8.30E-08	1.56E-08	9.91E-08	1.53E-08	1.47E-08	2.28E-07
4976	494363.09	3862877.25	7.22E-04	7.37E-04	7.36E-04	2.50E-07	7.55E-07	4.37E-07	4.46E-07	4.04E-07	1.84E-07	1.84E-07	0.00E+00	0.00E+00	8.04E-08	1.51E-08	9.60E-08	1.48E-08	1.43E-08	2.21E-07
4977	494863.09	3862877.25	6.83E-04	6.97E-04	6.96E-04	2.36E-07	7.14E-07	4.13E-07	4.22E-07	3.82E-07	1.74E-07	1.74E-07	0.00E+00	0.00E+00	7.60E-08	1.43E-08	9.08E-08	1.40E-08	1.35E-08	2.09E-07

4978	495363.09	3862877.25	6.75E-04	6.89E-04	6.88E-04	2.34E-07	7.06E-07	4.09E-07	4.17E-07	3.78E-07	1.72E-07	1.72E-07	0.00E+00	0.00E+00	7.52E-08	1.42E-08	8.98E-08	1.39E-08	1.33E-08	2.06E-07
4979	495863.09	3862877.25	6.95E-04	7.09E-04	7.08E-04	2.41E-07	7.26E-07	4.20E-07	4.29E-07	3.89E-07	1.77E-07	1.77E-07	0.00E+00	0.00E+00	7.73E-08	1.46E-08	9.24E-08	1.42E-08	1.37E-08	2.12E-07
4980	496363.09	3862877.25	7.05E-04	7.20E-04	7.19E-04	2.44E-07	7.37E-07	4.27E-07	4.35E-07	3.95E-07	1.80E-07	1.80E-07	0.00E+00	0.00E+00	7.85E-08	1.48E-08	9.38E-08	1.45E-08	1.39E-08	2.15E-07
4981	496863.09	3862877.25	6.91E-04	7.05E-04	7.05E-04	2.39E-07	7.23E-07	4.18E-07	4.27E-07	3.87E-07	1.77E-07	1.76E-07	0.00E+00	0.00E+00	7.69E-08	1.45E-08	9.19E-08	1.42E-08	1.37E-08	2.11E-07
4982	497363.09	3862877.25	6.66E-04	6.79E-04	6.78E-04	2.30E-07	6.96E-07	4.03E-07	4.11E-07	3.73E-07	1.70E-07	1.70E-07	0.00E+00	0.00E+00	7.41E-08	1.39E-08	8.85E-08	1.37E-08	1.31E-08	2.03E-07
4983	497863.09	3862877.25	6.44E-04	6.57E-04	6.56E-04	2.23E-07	6.73E-07	3.90E-07	3.98E-07	3.60E-07	1.64E-07	1.64E-07	0.00E+00	0.00E+00	7.17E-08	1.35E-08	8.56E-08	1.32E-08	1.27E-08	1.97E-07
4984	498363.09	3862877.25	6.28E-04	6.41E-04	6.40E-04	2.17E-07	6.57E-07	3.80E-07	3.88E-07	3.52E-07	1.60E-07	1.60E-07	0.00E+00	0.00E+00	6.99E-08	1.32E-08	8.35E-08	1.29E-08	1.24E-08	1.92E-07
4985	471363.09	3863377.25	2.12E-04	2.16E-04	2.16E-04	7.34E-08	2.22E-07	1.28E-07	1.31E-07	1.19E-07	5.42E-08	5.41E-08	0.00E+00	0.00E+00	2.36E-08	4.45E-09	2.82E-08	4.35E-09	4.19E-09	6.48E-08
4986	471863.09	3863377.25	2.17E-04	2.21E-04	2.21E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.21E-07	5.54E-08	5.53E-08	0.00E+00	0.00E+00	2.41E-08	4.55E-09	2.88E-08	4.45E-09	4.28E-09	6.63E-08
4987	472363.09	3863377.25	2.22E-04	2.27E-04	2.26E-04	7.69E-08	2.32E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.67E-08	0.00E+00	0.00E+00	2.47E-08	4.66E-09	2.95E-08	4.56E-09	4.39E-09	6.79E-08
4988	472863.09	3863377.25	2.28E-04	2.32E-04	2.32E-04	7.88E-08	2.38E-07	1.38E-07	1.41E-07	1.27E-07	5.82E-08	5.81E-08	0.00E+00	0.00E+00	2.54E-08	4.77E-09	3.03E-08	4.67E-09	4.50E-09	6.96E-08
4989	473363.09	3863377.25	2.33E-04	2.38E-04	2.38E-04	8.08E-08	2.44E-07	1.41E-07	1.44E-07	1.31E-07	5.96E-08	5.95E-08	0.00E+00	0.00E+00	2.60E-08	4.89E-09	3.10E-08	4.79E-09	4.61E-09	7.13E-08
4990	473863.09	3863377.25	2.39E-04	2.44E-04	2.44E-04	8.27E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	6.10E-08	6.10E-08	0.00E+00	0.00E+00	2.66E-08	5.01E-09	3.18E-08	4.90E-09	4.72E-09	7.30E-08
4991	474363.09	3863377.25	2.44E-04	2.49E-04	2.49E-04	8.45E-08	2.55E-07	1.48E-07	1.51E-07	1.37E-07	6.23E-08	6.22E-08	0.00E+00	0.00E+00	2.72E-08	5.11E-09	3.24E-08	5.00E-09	4.82E-09	7.45E-08
4992	474863.09	3863377.25	2.48E-04	2.53E-04	2.53E-04	8.60E-08	2.60E-07	1.50E-07	1.53E-07	1.39E-07	6.34E-08	6.34E-08	0.00E+00	0.00E+00	2.77E-08	5.21E-09	3.30E-08	5.09E-09	4.91E-09	7.59E-08
4993	475363.09	3863377.25	2.53E-04	2.58E-04	2.58E-04	8.75E-08	2.64E-07	1.53E-07	1.56E-07	1.42E-07	6.46E-08	6.45E-08	0.00E+00	0.00E+00	2.81E-08	5.30E-09	3.36E-08	5.18E-09	4.99E-09	7.72E-08
4994	475863.09	3863377.25	2.58E-04	2.63E-04	2.63E-04	8.93E-08	2.69E-07	1.56E-07	1.59E-07	1.44E-07	6.58E-08	6.58E-08	0.00E+00	0.00E+00	2.87E-08	5.40E-09	3.43E-08	5.29E-09	5.09E-09	7.88E-08
4995	476363.09	3863377.25	2.63E-04	2.69E-04	2.68E-04	9.11E-08	2.75E-07	1.59E-07	1.62E-07	1.47E-07	6.72E-08	6.71E-08	0.00E+00	0.00E+00	2.93E-08	5.51E-09	3.50E-08	5.40E-09	5.20E-09	8.04E-08
4996	476863.09	3863377.25	2.68E-04	2.74E-04	2.73E-04	9.28E-08	2.80E-07	1.62E-07	1.66E-07	1.50E-07	6.85E-08	6.84E-08	0.00E+00	0.00E+00	2.98E-08	5.62E-09	3.57E-08	5.50E-09	5.30E-09	8.19E-08
4997	477363.09	3863377.25	2.73E-04	2.79E-04	2.79E-04	9.47E-08	2.86E-07	1.65E-07	1.69E-07	1.53E-07	6.98E-08	6.98E-08	0.00E+00	0.00E+00	3.04E-08	5.73E-09	3.64E-08	5.61E-09	5.40E-09	8.35E-08
4998	477863.09	3863377.25	2.76E-04	2.82E-04	2.81E-04	9.56E-08	2.89E-07	1.67E-07	1.70E-07	1.55E-07	7.05E-08	7.04E-08	0.00E+00	0.00E+00	3.07E-08	5.79E-09	3.67E-08	5.66E-09	5.45E-09	8.44E-08
4999	478363.09	3863377.25	2.68E-04	2.73E-04	2.73E-04	9.26E-08	2.80E-07	1.62E-07	1.65E-07	1.50E-07	6.83E-08	6.82E-08	0.00E+00	0.00E+00	2.98E-08	5.61E-09	3.56E-08	5.49E-09	5.28E-09	8.17E-08
5000	478863.09	3863377.25	2.78E-04	2.83E-04	2.83E-04	9.61E-08	2.90E-07	1.68E-07	1.71E-07	1.55E-07	7.09E-08	7.08E-08	0.00E+00	0.00E+00	3.09E-08	5.82E-09	3.69E-08	5.69E-09	5.48E-09	8.48E-08
5001	479363.09	3863377.25	2.98E-04	3.04E-04	3.03E-04	1.03E-07	3.11E-07	1.80E-07	1.84E-07	1.67E-07	7.60E-08	7.59E-08	0.00E+00	0.00E+00	3.31E-08	6.24E-09	3.96E-08	6.10E-09	5.88E-09	9.09E-08
5002	479863.09	3863377.25	3.11E-04	3.17E-04	3.17E-04	1.08E-07	3.25E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.93E-08	0.00E+00	0.00E+00	3.46E-08	6.51E-09	4.13E-08	6.38E-09	6.14E-09	9.50E-08
5003	480363.09	3863377.25	3.19E-04	3.26E-04	3.25E-04	1.10E-07	3.34E-07	1.93E-07	1.97E-07	1.79E-07	8.15E-08	8.14E-08	0.00E+00	0.00E+00	3.55E-08	6.69E-09	4.24E-08	6.54E-09	6.30E-09	9.75E-08
5004	480863.09	3863377.25	3.28E-04	3.35E-04	3.34E-04	1.14E-07	3.43E-07	1.98E-07	2.02E-07	1.84E-07	8.38E-08	8.37E-08	0.00E+00	0.00E+00	3.65E-08	6.87E-09	4.36E-08	6.73E-09	6.48E-09	1.00E-07
5005	481363.09	3863377.25	3.36E-04	3.43E-04	3.42E-04	1.16E-07	3.51E-07	2.03E-07	2.07E-07	1.88E-07	8.58E-08	8.57E-08	0.00E+00	0.00E+00	3.74E-08	7.04E-09	4.47E-08	6.89E-09	6.63E-09	1.03E-07
5006	481863.09	3863377.25	3.44E-04	3.51E-04	3.50E-04	1.19E-07	3.59E-07	2.08E-07	2.12E-07	1.92E-07	8.78E-08	8.77E-08	0.00E+00	0.00E+00	3.83E-08	7.21E-09	4.57E-08	7.05E-09	6.79E-09	1.05E-07
5007	482363.09	3863377.25	3.52E-04	3.60E-04	3.59E-04	1.22E-07	3.68E-07	2.13E-07	2.18E-07	1.97E-07	9.00E-08	8.99E-08	0.00E+00	0.00E+00	3.92E-08	7.39E-09	4.69E-08	7.23E-09	6.96E-09	1.08E-07
5008	482863.09	3863377.25	3.62E-04	3.69E-04	3.68E-04	1.25E-07	3.78E-07	2.19E-07	2.23E-07	2.02E-07	9.23E-08	9.22E-08	0.00E+00	0.00E+00	4.02E-08	7.58E-09	4.81E-08	7.41E-09	7.14E-09	1.10E-07
5009	483363.09	3863377.25	3.73E-04	3.81E-04	3.80E-04	1.29E-07	3.90E-07	2.26E-07	2.30E-07	2.09E-07	9.53E-08	9.52E-08	0.00E+00	0.00E+00	4.15E-08	7.82E-09	4.96E-08	7.65E-09	7.37E-09	1.14E-07
5010	483863.09	3863377.25	3.86E-04	3.94E-04	3.93E-04	1.34E-07	4.03E-07	2.34E-07	2.38E-07	2.16E-07	9.86E-08	9.85E-08	0.00E+00	0.00E+00	4.30E-08	8.09E-09	5.13E-08	7.92E-09	7.62E-09	1.18E-07
5011	484363.09	3863377.25	3.99E-04	4.07E-04	4.07E-04	1.38E-07	4.17E-07	2.41E-07	2.46E-07	2.23E-07	1.02E-07	1.02E-07	0.00E+00	0.00E+00	4.44E-08	8.36E-09	5.31E-08	8.18E-09	7.88E-09	1.22E-07
5012	484863.09	3863377.25	4.15E-04	4.23E-04	4.23E-04	1.44E-07	4.33E-07	2.51E-07	2.56E-07	2.32E-07	1.06E-07	1.06E-07	0.00E+00	0.00E+00	4.62E-08	8.69E-09	5.51E-08	8.50E-09	8.19E-09	1.27E-07
5013	485363.09	3863377.25	4.31E-04	4.40E-04	4.39E-04	1.49E-07	4.50E-07	2.61E-07	2.66E-07	2.41E-07	1.10E-07	1.10E-07	0.00E+00	0.00E+00	4.80E-08	9.03E-09	5.73E-08	8.83E-09	8.51E-09	1.32E-07
5014	485863.09	3863377.25	4.49E-04	4.58E-04	4.58E-04	1.55E-07	4.69E-07	2.72E-07	2.77E-07	2.51E-07	1.15E-07	1.15E-07	0.00E+00	0.00E+00	5.00E-08	9.41E-09	5.97E-08	9.21E-09	8.87E-09	1.37E-07
5015	486363.09	3863377.25	4.70E-04	4.79E-04	4.79E-04	1.63E-07	4.91E-07	2.84E-07	2.90E-07	2.63E-07	1.20E-07	1.20E-07	0.00E+00	0.00E+00	5.23E-08	9.84E-09	6.25E-08	9.63E-09	9.28E-09	1.43E-07
5016	486863.09	3863377.25	4.92E-04	5.02E-04	5.02E-04	1.70E-07	5.15E-07	2.98E-07	3.04E-07	2.76E-07	1.26E-07	1.26E-07	0.00E+00	0.00E+00	5.48E-08	1.03E-08	6.55E-08	1.01E-08	9.73E-09	1.50E-07
5017	487363.09	3863377.25	5.16E-04	5.27E-04	5.26E-04	1.79E-07	5.40E-07	3.12E-07	3.19E-07	2.89E-07	1.32E-07	1.32E-07	0.00E+00	0.00E+00	5.75E-08	1.08E-08	6.87E-08	1.06E-08	1.02E-08	1.58E-07
5018	487863.09	3863377.25	5.45E-04	5.56E-04	5.55E-04	1.89E-07	5.69E-07	3.30E-07	3.36E-07	3.05E-07	1.39E-07	1.39E-07	0.00E+00	0.00E+00	6.06E-08	1.14E-08	7.25E-08	1.12E-08	1.08E-08	1.66E-07
5019	488363.09	3863377.25	5.72E-04	5.84E-04	5.83E-04	1.98E-07	5.98E-07	3.46E-07	3.53E-07	3.20E-07	1.46E-07	1.46E-07	0.00E+00	0.00E+00	6.37E-08	1.20E-08	7.61E-08	1.17E-08	1.13E-08	1.75E-07
5020	488863.09	3863377.25	5.96E-04	6.09E-04	6.08E-04	2.06E-07	6.23E-07	3.61E-07	3.68E-07	3.34E-07	1.52E-07	1.52E-07	0.00E+00	0.00E+00	6.64E-08	1.25E-08	7.93E-08	1.22E-08	1.18E-08	1.82E-07
5021	489363.09	3863377.25	6.11E-04	6.23E-04	6.22E-04	2.11E-07	6.38E-07	3.69E-07	3.77E-07	3.42E-07	1.56E-07	1.56E-07	0.00E+00	0.00E+00	6.80E-08	1.28E-08	8.12E-08	1.25E-08	1.21E-08	1.87E-07
5022	489863.09	3863377.25	6.17E-04	6.30E-04	6.29E-04	2.14E-07	6.45E-07	3.73E-07	3.81E-07	3.45E-07	1.58E-07	1.57E-07	0.00E+00	0.00E+00	6.87E-08	1.29E-08	8.21E-08	1.27E-08	1.22E-08	1.89E-07
5023	490363.09	3863377.25	6.19E-04	6.32E-04	6.31E-04	2.14E-07	6.47E-07	3.75E-07	3.82E-07	3.47E-07	1.58E-07	1.58E-07	0.00E+00	0.00E+00	6.89E-08	1.30E-08	8.24E-08	1.27E-08	1.22E-08	1.89E-07
5024	490863.09	3863377.25	6.20E-04	6.32E-04	6.32E-04	2.15E-07	6.48E-07	3.75E-07	3.83E-07	3.47E-07	1.58E-07	1.58E-07	0.00E+00	0.00E+00	6.90E-08	1.30E-08	8.24E-08	1.27E-08	1.22E-08	1.89E-07
5025	491363.09	3863377.25	6.06E-04	6.18E-04	6.17E-04	2.10E-07	6.33E-07	3.67E-07	3.74E-07	3.39E-07	1.55E-07	1.55E-07	0.00E+00	0.00E+00	6.74E-08	1.27E-08	8.06E-08	1.24E-08	1.20E-08	1.85E-07
5026	491863.09	3863377.25	5.98E-04	6.11E-04	6.10E-04	2.07E-07	6.26E-07	3.62E-07	3.70E-07	3.35E-07	1.53E-07	1.53E-07	0.00E+00	0.00E+00	6.66E-08	1.25E-08	7.96E-08	1.23E-08	1.18E-08	1.83E-07
5027	492363.09	3863377.25	6.13E-04	6.25E-04	6.24E-04	2.12E-07	6.40E-07	3.71E-07	3.78E-07	3.43E-07	1.56E-07	1.56E-07	0.00E+00	0.00E+00	6.82E-08	1.28E-08	8.15E-08	1.26E-08	1.21E-08	1.87E-07
5028	492863.09	3863377.25	6.22E-04	6.34E-04	6.34E-04	2.15E-07	6.50E-07	3.76E-07	3.84E-07	3.48E-07	1.59E-07	1.59E-07	0.00E+00	0.00E+00	6.92E-08	1.30E-08	8.27E-08	1.28E-08	1.23E-08	1.90E-07
5029	493363.09	3863377.25	6.30E-04	6.43E-04	6.42E-04	2.18E-07	6.58E-07	3.81E-07	3.89E-07	3.52E-07	1.61E-07	1.61E-07	0.00E+00	0.00E+00	7.01E-08	1.32E-08	8.37E-08	1.29E-08	1.24E-08	1.92E-07
5030	493863.09	3863377.25	6.33E-04	6.46E-04	6.45E-04	2.19E-07	6.61E-07	3.83E-07	3.91E-07	3.54E-07	1.62E-07	1.61E-07	0.00E+00	0.00E+00	7.04E-08	1.33E-08	8.41E-08	1.30E-08	1.25E-08	1.93E-07
5031	494363.09	3863377.25	6.26E-04	6.39E-04	6.38E-04	2.17E-07	6.54E-07	3.79E-07	3.87E-07	3.50E-07	1.60E-07	1.60E-07	0.00E+00	0.00E+00	6.97E-08	1.31E-08	8.33E-08	1.28E-08	1.24E-08	1.91E-07
5032	494863.09	3863377.25	6.11E-04	6.23E-04	6.23E-04	2.11E-07	6.38E-07	3.70E-07	3.77E-07	3.42E-07	1.56E-07	1.56E-07	0.00E+00	0.00E+00	6.80E-08	1.28E-08	8.12E-08	1.25E-08	1.21E-08	1.87E-07
5033	495363.09	3863377.25	5.86E-04	5.98E-04	5.97E-04	2.03E-07	6.13E-07	3.55E-07	3.62E-07	3.28E-07	1.50E-07	1.50E-07	0.00E+00	0.00E+00	6.52E-08	1.23E-08	7.79E-08	1.20E-08	1.16E-08	1.79E-07

5034	495863.09	3863377.25	5.75E-04	5.86E-04	5.86E-04	1.99E-07	6.01E-07	3.48E-07	3.55E-07	3.22E-07	1.47E-07	1.47E-07	0.00E+00	0.00E+00	6.40E-08	1.20E-08	7.64E-08	1.18E-08	1.13E-08	1.76E-07
5035	496363.09	3863377.25	5.65E-04	5.77E-04	5.76E-04	1.96E-07	5.91E-07	3.42E-07	3.49E-07	3.16E-07	1.44E-07	1.44E-07	0.00E+00	0.00E+00	6.29E-08	1.19E-08	7.52E-08	1.16E-08	1.12E-08	1.73E-07
5036	496863.09	3863377.25	5.66E-04	5.78E-04	5.77E-04	1.96E-07	5.92E-07	3.43E-07	3.50E-07	3.17E-07	1.45E-07	1.44E-07	0.00E+00	0.00E+00	6.30E-08	1.19E-08	7.53E-08	1.16E-08	1.12E-08	1.73E-07
5037	497363.09	3863377.25	5.70E-04	5.82E-04	5.81E-04	1.97E-07	5.96E-07	3.45E-07	3.52E-07	3.19E-07	1.46E-07	1.45E-07	0.00E+00	0.00E+00	6.35E-08	1.19E-08	7.58E-08	1.17E-08	1.13E-08	1.74E-07
5038	497863.09	3863377.25	5.62E-04	5.73E-04	5.72E-04	1.94E-07	5.87E-07	3.40E-07	3.47E-07	3.14E-07	1.43E-07	1.43E-07	0.00E+00	0.00E+00	6.25E-08	1.18E-08	7.47E-08	1.15E-08	1.11E-08	1.72E-07
5039	498363.09	3863377.25	5.45E-04	5.56E-04	5.56E-04	1.89E-07	5.70E-07	3.30E-07	3.37E-07	3.05E-07	1.39E-07	1.39E-07	0.00E+00	0.00E+00	6.07E-08	1.14E-08	7.25E-08	1.12E-08	1.08E-08	1.67E-07
5040	471363.09	3863877.25	2.04E-04	2.08E-04	2.08E-04	7.06E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.21E-08	5.20E-08	0.00E+00	0.00E+00	2.27E-08	4.27E-09	2.71E-08	4.18E-09	4.03E-09	6.23E-08
5041	471863.09	3863877.25	2.09E-04	2.13E-04	2.13E-04	7.22E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.32E-08	0.00E+00	0.00E+00	2.32E-08	4.37E-09	2.77E-08	4.28E-09	4.12E-09	6.37E-08
5042	472363.09	3863877.25	2.14E-04	2.19E-04	2.18E-04	7.42E-08	2.24E-07	1.30E-07	1.32E-07	1.20E-07	5.47E-08	5.46E-08	0.00E+00	0.00E+00	2.38E-08	4.49E-09	2.85E-08	4.39E-09	4.23E-09	6.54E-08
5043	472863.09	3863877.25	2.20E-04	2.24E-04	2.24E-04	7.61E-08	2.30E-07	1.33E-07	1.36E-07	1.23E-07	5.61E-08	5.61E-08	0.00E+00	0.00E+00	2.45E-08	4.61E-09	2.92E-08	4.51E-09	4.34E-09	6.72E-08
5044	473363.09	3863877.25	2.25E-04	2.30E-04	2.29E-04	7.79E-08	2.35E-07	1.36E-07	1.39E-07	1.26E-07	5.75E-08	5.74E-08	0.00E+00	0.00E+00	2.51E-08	4.72E-09	2.99E-08	4.62E-09	4.45E-09	6.88E-08
5045	473863.09	3863877.25	2.30E-04	2.35E-04	2.35E-04	7.98E-08	2.41E-07	1.39E-07	1.42E-07	1.29E-07	5.88E-08	5.88E-08	0.00E+00	0.00E+00	2.56E-08	4.83E-09	3.06E-08	4.73E-09	4.55E-09	7.04E-08
5046	474363.09	3863877.25	2.35E-04	2.40E-04	2.40E-04	8.14E-08	2.46E-07	1.42E-07	1.45E-07	1.32E-07	6.01E-08	6.00E-08	0.00E+00	0.00E+00	2.62E-08	4.93E-09	3.13E-08	4.82E-09	4.64E-09	7.18E-08
5047	474863.09	3863877.25	2.39E-04	2.44E-04	2.44E-04	8.28E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	6.11E-08	6.10E-08	0.00E+00	0.00E+00	2.66E-08	5.01E-09	3.18E-08	4.91E-09	4.73E-09	7.31E-08
5048	475363.09	3863877.25	2.44E-04	2.49E-04	2.48E-04	8.44E-08	2.55E-07	1.47E-07	1.50E-07	1.36E-07	6.22E-08	6.22E-08	0.00E+00	0.00E+00	2.71E-08	5.11E-09	3.24E-08	5.00E-09	4.81E-09	7.44E-08
5049	475863.09	3863877.25	2.48E-04	2.53E-04	2.53E-04	8.59E-08	2.59E-07	1.50E-07	1.53E-07	1.39E-07	6.34E-08	6.33E-08	0.00E+00	0.00E+00	2.76E-08	5.20E-09	3.30E-08	5.09E-09	4.90E-09	7.58E-08
5050	476363.09	3863877.25	2.53E-04	2.58E-04	2.58E-04	8.75E-08	2.64E-07	1.53E-07	1.56E-07	1.42E-07	6.46E-08	6.45E-08	0.00E+00	0.00E+00	2.81E-08	5.30E-09	3.36E-08	5.18E-09	4.99E-09	7.72E-08
5051	476863.09	3863877.25	2.57E-04	2.62E-04	2.62E-04	8.90E-08	2.69E-07	1.56E-07	1.59E-07	1.44E-07	6.57E-08	6.56E-08	0.00E+00	0.00E+00	2.86E-08	5.39E-09	3.42E-08	5.28E-09	5.08E-09	7.86E-08
5052	477363.09	3863877.25	2.62E-04	2.68E-04	2.67E-04	9.08E-08	2.74E-07	1.59E-07	1.62E-07	1.47E-07	6.70E-08	6.69E-08	0.00E+00	0.00E+00	2.92E-08	5.50E-09	3.49E-08	5.38E-09	5.18E-09	8.01E-08
5053	477863.09	3863877.25	2.68E-04	2.73E-04	2.73E-04	9.26E-08	2.80E-07	1.62E-07	1.65E-07	1.50E-07	6.83E-08	6.82E-08	0.00E+00	0.00E+00	2.98E-08	5.61E-09	3.56E-08	5.49E-09	5.28E-09	8.17E-08
5054	478363.09	3863877.25	2.67E-04	2.72E-04	2.72E-04	9.23E-08	2.79E-07	1.61E-07	1.65E-07	1.49E-07	6.81E-08	6.80E-08	0.00E+00	0.00E+00	2.97E-08	5.59E-09	3.55E-08	5.47E-09	5.27E-09	8.15E-08
5055	478863.09	3863877.25	2.82E-04	2.88E-04	2.87E-04	9.76E-08	2.95E-07	1.71E-07	1.74E-07	1.58E-07	7.20E-08	7.19E-08	0.00E+00	0.00E+00	3.14E-08	5.91E-09	3.75E-08	5.78E-09	5.57E-09	8.62E-08
5056	479363.09	3863877.25	2.92E-04	2.98E-04	2.98E-04	1.01E-07	3.05E-07	1.77E-07	1.80E-07	1.63E-07	7.46E-08	7.45E-08	0.00E+00	0.00E+00	3.25E-08	6.12E-09	3.88E-08	5.99E-09	5.77E-09	8.92E-08
5057	479863.09	3863877.25	2.99E-04	3.05E-04	3.05E-04	1.04E-07	3.13E-07	1.81E-07	1.85E-07	1.67E-07	7.64E-08	7.63E-08	0.00E+00	0.00E+00	3.33E-08	6.27E-09	3.98E-08	6.13E-09	5.91E-09	9.14E-08
5058	480363.09	3863877.25	3.04E-04	3.11E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.77E-08	7.76E-08	0.00E+00	0.00E+00	3.39E-08	6.38E-09	4.05E-08	6.24E-09	6.01E-09	9.30E-08
5059	480863.09	3863877.25	3.10E-04	3.16E-04	3.16E-04	1.07E-07	3.24E-07	1.88E-07	1.91E-07	1.73E-07	7.92E-08	7.91E-08	0.00E+00	0.00E+00	3.45E-08	6.50E-09	4.12E-08	6.36E-09	6.12E-09	9.47E-08
5060	481363.09	3863877.25	3.15E-04	3.22E-04	3.21E-04	1.09E-07	3.30E-07	1.91E-07	1.95E-07	1.76E-07	8.05E-08	8.04E-08	0.00E+00	0.00E+00	3.51E-08	6.61E-09	4.19E-08	6.47E-09	6.23E-09	9.63E-08
5061	481863.09	3863877.25	3.21E-04	3.28E-04	3.27E-04	1.11E-07	3.36E-07	1.94E-07	1.98E-07	1.80E-07	8.20E-08	8.19E-08	0.00E+00	0.00E+00	3.58E-08	6.73E-09	4.27E-08	6.59E-09	6.34E-09	9.81E-08
5062	482363.09	3863877.25	3.28E-04	3.35E-04	3.34E-04	1.14E-07	3.43E-07	1.98E-07	2.02E-07	1.84E-07	8.38E-08	8.37E-08	0.00E+00	0.00E+00	3.65E-08	6.87E-09	4.36E-08	6.73E-09	6.48E-09	1.00E-07
5063	482863.09	3863877.25	3.34E-04	3.41E-04	3.41E-04	1.16E-07	3.50E-07	2.02E-07	2.06E-07	1.87E-07	8.54E-08	8.53E-08	0.00E+00	0.00E+00	3.72E-08	7.01E-09	4.45E-08	6.86E-09	6.61E-09	1.02E-07
5064	483363.09	3863877.25	3.43E-04	3.50E-04	3.49E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.75E-08	8.74E-08	0.00E+00	0.00E+00	3.81E-08	7.18E-09	4.56E-08	7.03E-09	6.77E-09	1.05E-07
5065	483863.09	3863877.25	3.53E-04	3.61E-04	3.60E-04	1.22E-07	3.69E-07	2.14E-07	2.18E-07	1.98E-07	9.02E-08	9.01E-08	0.00E+00	0.00E+00	3.93E-08	7.40E-09	4.70E-08	7.25E-09	6.98E-09	1.08E-07
5066	484363.09	3863877.25	3.64E-04	3.72E-04	3.71E-04	1.26E-07	3.81E-07	2.20E-07	2.25E-07	2.04E-07	9.30E-08	9.29E-08	0.00E+00	0.00E+00	4.05E-08	7.63E-09	4.84E-08	7.47E-09	7.19E-09	1.11E-07
5067	484863.09	3863877.25	3.78E-04	3.85E-04	3.85E-04	1.31E-07	3.95E-07	2.29E-07	2.33E-07	2.11E-07	9.65E-08	9.64E-08	0.00E+00	0.00E+00	4.21E-08	7.92E-09	5.02E-08	7.75E-09	7.46E-09	1.15E-07
5068	485363.09	3863877.25	3.90E-04	3.98E-04	3.98E-04	1.35E-07	4.08E-07	2.36E-07	2.41E-07	2.18E-07	9.96E-08	9.95E-08	0.00E+00	0.00E+00	4.34E-08	8.18E-09	5.19E-08	8.00E-09	7.71E-09	1.19E-07
5069	485863.09	3863877.25	4.05E-04	4.13E-04	4.13E-04	1.40E-07	4.23E-07	2.45E-07	2.50E-07	2.27E-07	1.03E-07	1.03E-07	0.00E+00	0.00E+00	4.51E-08	8.49E-09	5.39E-08	8.31E-09	8.00E-09	1.24E-07
5070	486363.09	3863877.25	4.22E-04	4.31E-04	4.30E-04	1.46E-07	4.41E-07	2.55E-07	2.61E-07	2.36E-07	1.08E-07	1.08E-07	0.00E+00	0.00E+00	4.70E-08	8.84E-09	5.61E-08	8.65E-09	8.33E-09	1.29E-07
5071	486863.09	3863877.25	4.41E-04	4.50E-04	4.50E-04	1.53E-07	4.61E-07	2.67E-07	2.73E-07	2.47E-07	1.13E-07	1.13E-07	0.00E+00	0.00E+00	4.91E-08	9.25E-09	5.87E-08	9.05E-09	8.72E-09	1.35E-07
5072	487363.09	3863877.25	4.60E-04	4.70E-04	4.69E-04	1.59E-07	4.81E-07	2.78E-07	2.84E-07	2.58E-07	1.18E-07	1.17E-07	0.00E+00	0.00E+00	5.12E-08	9.65E-09	6.12E-08	9.44E-09	9.09E-09	1.41E-07
5073	487863.09	3863877.25	4.81E-04	4.91E-04	4.90E-04	1.67E-07	5.03E-07	2.91E-07	2.97E-07	2.69E-07	1.23E-07	1.23E-07	0.00E+00	0.00E+00	5.36E-08	1.01E-08	6.40E-08	9.87E-09	9.50E-09	1.47E-07
5074	488363.09	3863877.25	5.01E-04	5.11E-04	5.11E-04	1.74E-07	5.24E-07	3.03E-07	3.09E-07	2.81E-07	1.28E-07	1.28E-07	0.00E+00	0.00E+00	5.58E-08	1.05E-08	6.67E-08	1.03E-08	9.90E-09	1.53E-07
5075	488863.09	3863877.25	5.18E-04	5.29E-04	5.28E-04	1.79E-07	5.42E-07	3.14E-07	3.20E-07	2.90E-07	1.32E-07	1.32E-07	0.00E+00	0.00E+00	5.77E-08	1.09E-08	6.89E-08	1.06E-08	1.02E-08	1.58E-07
5076	489363.09	3863877.25	5.24E-04	5.35E-04	5.34E-04	1.81E-07	5.48E-07	3.17E-07	3.24E-07	2.93E-07	1.34E-07	1.34E-07	0.00E+00	0.00E+00	5.84E-08	1.10E-08	6.97E-08	1.08E-08	1.04E-08	1.60E-07
5077	489863.09	3863877.25	5.24E-04	5.35E-04	5.34E-04	1.81E-07	5.48E-07	3.17E-07	3.24E-07	2.93E-07	1.34E-07	1.34E-07	0.00E+00	0.00E+00	5.84E-08	1.10E-08	6.97E-08	1.08E-08	1.04E-08	1.60E-07
5078	490363.09	3863877.25	5.23E-04	5.34E-04	5.33E-04	1.81E-07	5.47E-07	3.16E-07	3.23E-07	2.93E-07	1.34E-07	1.33E-07	0.00E+00	0.00E+00	5.82E-08	1.10E-08	6.96E-08	1.07E-08	1.03E-08	1.60E-07
5079	490863.09	3863877.25	5.23E-04	5.33E-04	5.33E-04	1.81E-07	5.46E-07	3.16E-07	3.23E-07	2.93E-07	1.33E-07	1.33E-07	0.00E+00	0.00E+00	5.82E-08	1.10E-08	6.95E-08	1.07E-08	1.03E-08	1.60E-07
5080	491363.09	3863877.25	5.14E-04	5.24E-04	5.24E-04	1.78E-07	5.37E-07	3.11E-07	3.17E-07	2.88E-07	1.31E-07	1.31E-07	0.00E+00	0.00E+00	5.72E-08	1.08E-08	6.83E-08	1.05E-08	1.02E-08	1.57E-07
5081	491863.09	3863877.25	5.21E-04	5.31E-04	5.31E-04	1.80E-07	5.44E-07	3.15E-07	3.21E-07	2.91E-07	1.33E-07	1.33E-07	0.00E+00	0.00E+00	5.80E-08	1.09E-08	6.92E-08	1.07E-08	1.03E-08	1.59E-07
5082	492363.09	3863877.25	5.18E-04	5.28E-04	5.28E-04	1.79E-07	5.41E-07	3.13E-07	3.20E-07	2.90E-07	1.32E-07	1.32E-07	0.00E+00	0.00E+00	5.76E-08	1.08E-08	6.88E-08	1.06E-08	1.02E-08	1.58E-07
5083	492863.09	3863877.25	4.83E-04	4.93E-04	4.93E-04	1.67E-07	5.05E-07	2.92E-07	2.98E-07	2.70E-07	1.23E-07	1.23E-07	0.00E+00	0.00E+00	5.38E-08	1.01E-08	6.43E-08	9.91E-09	9.54E-09	1.48E-07
5084	493363.09	3863877.25	4.91E-04	5.02E-04	5.01E-04	1.70E-07	5.14E-07	2.97E-07	3.03E-07	2.75E-07	1.26E-07	1.25E-07	0.00E+00	0.00E+00	5.47E-08	1.03E-08	6.54E-08	1.01E-08	9.71E-09	1.50E-07
5085	493863.09	3863877.25	5.09E-04	5.20E-04	5.19E-04	1.76E-07	5.32E-07	3.08E-07	3.14E-07	2.85E-07	1.30E-07	1.30E-07	0.00E+00	0.00E+00	5.67E-08	1.07E-08	6.77E-08	1.04E-08	1.01E-08	1.56E-07
5086	494363.09	3863877.25	5.29E-04	5.40E-04	5.39E-04	1.83E-07	5.53E-07	3.20E-07	3.27E-07	2.96E-07	1.35E-07	1.35E-07	0.00E+00	0.00E+00	5.89E-08	1.11E-08	7.04E-08	1.09E-08	1.05E-08	1.62E-07
5087	494863.09	3863877.25	5.27E-04	5.38E-04	5.37E-04	1.82E-07	5.51E-07	3.19E-07	3.25E-07	2.95E-07	1.35E-07	1.34E-07	0.00E+00	0.00E+00	5.86E-08	1.10E-08	7.01E-08	1.08E-08	1.04E-08	1.61E-07
5088	495363.09	3863877.25	5.22E-04	5.33E-04	5.32E-04	1.81E-07	5.45E-07	3.16E-07	3.22E-07	2.92E-07	1.33E-07	1.33E-07	0.00E+00	0.00E+00	5.81E-08	1.09E-08	6.94E-08	1.07E-08	1.03E-08	1.59E-07
5089	495863.09	3863877.25	4.97E-04	5.07E-04	5.06E-04	1.72E-07	5.19E-07	3.00E-07	3.07E-07	2.78E-07	1.27E-07	1.27E-07	0.00E+00	0.00E+00	5.53E-08	1.04E-08	6.60E-08	1.02E-08	9.81E-09	1.52E-07

5090	496363.09	3863877.25	4.81E-04	4.91E-04	4.90E-04	1.67E-07	5.03E-07	2.91E-07	2.97E-07	2.69E-07	1.23E-07	1.23E-07	0.00E+00	0.00E+00	5.36E-08	1.01E-08	6.40E-08	9.87E-09	9.50E-09	1.47E-07
5091	496863.09	3863877.25	4.74E-04	4.84E-04	4.83E-04	1.64E-07	4.96E-07	2.87E-07	2.93E-07	2.65E-07	1.21E-07	1.21E-07	0.00E+00	0.00E+00	5.28E-08	9.94E-09	6.30E-08	9.72E-09	9.36E-09	1.45E-07
5092	497363.09	3863877.25	4.77E-04	4.87E-04	4.86E-04	1.65E-07	4.99E-07	2.89E-07	2.95E-07	2.67E-07	1.22E-07	1.22E-07	0.00E+00	0.00E+00	5.31E-08	1.00E-08	6.34E-08	9.78E-09	9.42E-09	1.46E-07
5093	497863.09	3863877.25	4.85E-04	4.95E-04	4.94E-04	1.68E-07	5.07E-07	2.93E-07	2.99E-07	2.71E-07	1.24E-07	1.24E-07	0.00E+00	0.00E+00	5.40E-08	1.02E-08	6.45E-08	9.95E-09	9.58E-09	1.48E-07
5094	498363.09	3863877.25	4.83E-04	4.93E-04	4.92E-04	1.67E-07	5.04E-07	2.92E-07	2.98E-07	2.70E-07	1.23E-07	1.23E-07	0.00E+00	0.00E+00	5.37E-08	1.01E-08	6.42E-08	9.90E-09	9.53E-09	1.47E-07
5095	471363.09	3864377.25	1.97E-04	2.01E-04	2.01E-04	6.83E-08	2.06E-07	1.19E-07	1.22E-07	1.10E-07	5.04E-08	5.04E-08	0.00E+00	0.00E+00	2.20E-08	4.14E-09	2.63E-08	4.05E-09	3.90E-09	6.03E-08
5096	471863.09	3864377.25	2.02E-04	2.07E-04	2.06E-04	7.01E-08	2.12E-07	1.22E-07	1.25E-07	1.13E-07	5.17E-08	5.16E-08	0.00E+00	0.00E+00	2.25E-08	4.24E-09	2.69E-08	4.15E-09	4.00E-09	6.18E-08
5097	472363.09	3864377.25	2.08E-04	2.12E-04	2.12E-04	7.19E-08	2.17E-07	1.26E-07	1.28E-07	1.16E-07	5.31E-08	5.30E-08	0.00E+00	0.00E+00	2.31E-08	4.35E-09	2.76E-08	4.26E-09	4.10E-09	6.35E-08
5098	472863.09	3864377.25	2.13E-04	2.17E-04	2.17E-04	7.37E-08	2.23E-07	1.29E-07	1.32E-07	1.19E-07	5.44E-08	5.43E-08	0.00E+00	0.00E+00	2.37E-08	4.46E-09	2.83E-08	4.37E-09	4.21E-09	6.51E-08
5099	473363.09	3864377.25	2.18E-04	2.22E-04	2.22E-04	7.54E-08	2.28E-07	1.32E-07	1.34E-07	1.22E-07	5.56E-08	5.55E-08	0.00E+00	0.00E+00	2.42E-08	4.56E-09	2.90E-08	4.47E-09	4.30E-09	6.65E-08
5100	473863.09	3864377.25	2.22E-04	2.27E-04	2.27E-04	7.70E-08	2.33E-07	1.35E-07	1.37E-07	1.25E-07	5.68E-08	5.67E-08	0.00E+00	0.00E+00	2.48E-08	4.66E-09	2.96E-08	4.56E-09	4.39E-09	6.80E-08
5101	474363.09	3864377.25	2.27E-04	2.31E-04	2.31E-04	7.84E-08	2.37E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.78E-08	0.00E+00	0.00E+00	2.52E-08	4.75E-09	3.01E-08	4.65E-09	4.48E-09	6.92E-08
5102	474863.09	3864377.25	2.31E-04	2.35E-04	2.35E-04	7.99E-08	2.41E-07	1.40E-07	1.42E-07	1.29E-07	5.89E-08	5.89E-08	0.00E+00	0.00E+00	2.57E-08	4.84E-09	3.07E-08	4.73E-09	4.56E-09	7.05E-08
5103	475363.09	3864377.25	2.35E-04	2.40E-04	2.39E-04	8.13E-08	2.45E-07	1.42E-07	1.45E-07	1.31E-07	6.00E-08	5.99E-08	0.00E+00	0.00E+00	2.61E-08	4.92E-09	3.12E-08	4.82E-09	4.64E-09	7.17E-08
5104	475863.09	3864377.25	2.39E-04	2.44E-04	2.44E-04	8.27E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	6.10E-08	6.10E-08	0.00E+00	0.00E+00	2.66E-08	5.01E-09	3.18E-08	4.90E-09	4.72E-09	7.30E-08
5105	476363.09	3864377.25	2.43E-04	2.48E-04	2.48E-04	8.42E-08	2.54E-07	1.47E-07	1.50E-07	1.36E-07	6.21E-08	6.20E-08	0.00E+00	0.00E+00	2.71E-08	5.09E-09	3.23E-08	4.99E-09	4.80E-09	7.43E-08
5106	476863.09	3864377.25	2.48E-04	2.53E-04	2.53E-04	8.58E-08	2.59E-07	1.50E-07	1.53E-07	1.39E-07	6.33E-08	6.32E-08	0.00E+00	0.00E+00	2.76E-08	5.19E-09	3.30E-08	5.08E-09	4.89E-09	7.57E-08
5107	477363.09	3864377.25	2.53E-04	2.58E-04	2.57E-04	8.74E-08	2.64E-07	1.53E-07	1.56E-07	1.41E-07	6.45E-08	6.44E-08	0.00E+00	0.00E+00	2.81E-08	5.29E-09	3.36E-08	5.18E-09	4.99E-09	7.72E-08
5108	477863.09	3864377.25	2.58E-04	2.63E-04	2.63E-04	8.94E-08	2.70E-07	1.56E-07	1.59E-07	1.44E-07	6.59E-08	6.58E-08	0.00E+00	0.00E+00	2.87E-08	5.41E-09	3.43E-08	5.29E-09	5.10E-09	7.89E-08
5109	478363.09	3864377.25	2.65E-04	2.70E-04	2.70E-04	9.17E-08	2.77E-07	1.60E-07	1.64E-07	1.48E-07	6.77E-08	6.76E-08	0.00E+00	0.00E+00	2.95E-08	5.55E-09	3.52E-08	5.43E-09	5.23E-09	8.09E-08
5110	478863.09	3864377.25	2.72E-04	2.78E-04	2.78E-04	9.42E-08	2.85E-07	1.65E-07	1.68E-07	1.52E-07	6.95E-08	6.95E-08	0.00E+00	0.00E+00	3.03E-08	5.71E-09	3.62E-08	5.58E-09	5.38E-09	8.32E-08
5111	479363.09	3864377.25	2.78E-04	2.84E-04	2.84E-04	9.63E-08	2.91E-07	1.68E-07	1.72E-07	1.56E-07	7.10E-08	7.10E-08	0.00E+00	0.00E+00	3.10E-08	5.83E-09	3.70E-08	5.70E-09	5.49E-09	8.50E-08
5112	479863.09	3864377.25	2.83E-04	2.88E-04	2.88E-04	9.78E-08	2.95E-07	1.71E-07	1.74E-07	1.58E-07	7.22E-08	7.21E-08	0.00E+00	0.00E+00	3.15E-08	5.92E-09	3.76E-08	5.80E-09	5.58E-09	8.63E-08
5113	480363.09	3864377.25	2.86E-04	2.92E-04	2.92E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.60E-07	7.31E-08	7.31E-08	0.00E+00	0.00E+00	3.19E-08	6.00E-09	3.81E-08	5.87E-09	5.66E-09	8.75E-08
5114	480863.09	3864377.25	2.89E-04	2.95E-04	2.95E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.62E-07	7.39E-08	7.38E-08	0.00E+00	0.00E+00	3.22E-08	6.06E-09	3.85E-08	5.93E-09	5.72E-09	8.84E-08
5115	481363.09	3864377.25	2.94E-04	3.00E-04	3.00E-04	1.02E-07	3.07E-07	1.78E-07	1.82E-07	1.65E-07	7.51E-08	7.50E-08	0.00E+00	0.00E+00	3.27E-08	6.16E-09	3.91E-08	6.03E-09	5.81E-09	8.98E-08
5116	481863.09	3864377.25	2.99E-04	3.05E-04	3.05E-04	1.04E-07	3.13E-07	1.81E-07	1.85E-07	1.67E-07	7.64E-08	7.63E-08	0.00E+00	0.00E+00	3.33E-08	6.27E-09	3.98E-08	6.13E-09	5.91E-09	9.14E-08
5117	482363.09	3864377.25	3.04E-04	3.10E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.76E-08	7.75E-08	0.00E+00	0.00E+00	3.38E-08	6.37E-09	4.04E-08	6.23E-09	6.00E-09	9.28E-08
5118	482863.09	3864377.25	3.09E-04	3.15E-04	3.15E-04	1.07E-07	3.23E-07	1.87E-07	1.91E-07	1.73E-07	7.89E-08	7.88E-08	0.00E+00	0.00E+00	3.44E-08	6.47E-09	4.11E-08	6.33E-09	6.10E-09	9.43E-08
5119	483363.09	3864377.25	3.15E-04	3.21E-04	3.21E-04	1.09E-07	3.29E-07	1.90E-07	1.94E-07	1.76E-07	8.04E-08	8.03E-08	0.00E+00	0.00E+00	3.50E-08	6.60E-09	4.18E-08	6.45E-09	6.22E-09	9.61E-08
5120	483863.09	3864377.25	3.23E-04	3.29E-04	3.29E-04	1.12E-07	3.37E-07	1.95E-07	1.99E-07	1.81E-07	8.24E-08	8.23E-08	0.00E+00	0.00E+00	3.59E-08	6.76E-09	4.29E-08	6.62E-09	6.37E-09	9.86E-08
5121	484363.09	3864377.25	3.33E-04	3.39E-04	3.39E-04	1.15E-07	3.48E-07	2.01E-07	2.05E-07	1.86E-07	8.50E-08	8.49E-08	0.00E+00	0.00E+00	3.70E-08	6.97E-09	4.42E-08	6.82E-09	6.57E-09	1.02E-07
5122	484863.09	3864377.25	3.43E-04	3.50E-04	3.49E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.75E-08	8.74E-08	0.00E+00	0.00E+00	3.81E-08	7.18E-09	4.56E-08	7.03E-09	6.77E-09	1.05E-07
5123	485363.09	3864377.25	3.55E-04	3.62E-04	3.62E-04	1.23E-07	3.71E-07	2.15E-07	2.19E-07	1.99E-07	9.06E-08	9.05E-08	0.00E+00	0.00E+00	3.95E-08	7.44E-09	4.72E-08	7.28E-09	7.01E-09	1.08E-07
5124	485863.09	3864377.25	3.70E-04	3.77E-04	3.77E-04	1.28E-07	3.87E-07	2.24E-07	2.28E-07	2.07E-07	9.44E-08	9.43E-08	0.00E+00	0.00E+00	4.12E-08	7.75E-09	4.92E-08	7.58E-09	7.30E-09	1.13E-07
5125	486363.09	3864377.25	3.86E-04	3.94E-04	3.93E-04	1.34E-07	4.03E-07	2.33E-07	2.38E-07	2.16E-07	9.85E-08	9.84E-08	0.00E+00	0.00E+00	4.29E-08	8.08E-09	5.13E-08	7.91E-09	7.62E-09	1.18E-07
5126	486863.09	3864377.25	3.99E-04	4.07E-04	4.07E-04	1.38E-07	4.17E-07	2.42E-07	2.47E-07	2.23E-07	1.02E-07	1.02E-07	0.00E+00	0.00E+00	4.44E-08	8.37E-09	5.31E-08	8.19E-09	7.89E-09	1.22E-07
5127	487363.09	3864377.25	4.14E-04	4.22E-04	4.22E-04	1.43E-07	4.33E-07	2.50E-07	2.56E-07	2.32E-07	1.06E-07	1.06E-07	0.00E+00	0.00E+00	4.61E-08	8.68E-09	5.51E-08	8.49E-09	8.18E-09	1.26E-07
5128	487863.09	3864377.25	4.30E-04	4.39E-04	4.38E-04	1.49E-07	4.50E-07	2.60E-07	2.66E-07	2.41E-07	1.10E-07	1.10E-07	0.00E+00	0.00E+00	4.79E-08	9.02E-09	5.72E-08	8.82E-09	8.50E-09	1.31E-07
5129	488363.09	3864377.25	4.44E-04	4.53E-04	4.52E-04	1.54E-07	4.64E-07	2.69E-07	2.74E-07	2.48E-07	1.13E-07	1.13E-07	0.00E+00	0.00E+00	4.94E-08	9.30E-09	5.90E-08	9.10E-09	8.77E-09	1.36E-07
5130	488863.09	3864377.25	4.55E-04	4.64E-04	4.63E-04	1.57E-07	4.75E-07	2.75E-07	2.81E-07	2.54E-07	1.16E-07	1.16E-07	0.00E+00	0.00E+00	5.06E-08	9.53E-09	6.05E-08	9.32E-09	8.98E-09	1.39E-07
5131	489363.09	3864377.25	4.57E-04	4.67E-04	4.66E-04	1.58E-07	4.78E-07	2.77E-07	2.82E-07	2.56E-07	1.17E-07	1.17E-07	0.00E+00	0.00E+00	5.09E-08	9.58E-09	6.08E-08	9.38E-09	9.03E-09	1.40E-07
5132	489863.09	3864377.25	4.54E-04	4.64E-04	4.63E-04	1.57E-07	4.75E-07	2.75E-07	2.81E-07	2.54E-07	1.16E-07	1.16E-07	0.00E+00	0.00E+00	5.06E-08	9.52E-09	6.04E-08	9.32E-09	8.97E-09	1.39E-07
5133	490363.09	3864377.25	4.54E-04	4.63E-04	4.63E-04	1.57E-07	4.74E-07	2.75E-07	2.80E-07	2.54E-07	1.16E-07	1.16E-07	0.00E+00	0.00E+00	5.05E-08	9.51E-09	6.03E-08	9.31E-09	8.96E-09	1.39E-07
5134	490863.09	3864377.25	4.55E-04	4.65E-04	4.64E-04	1.58E-07	4.76E-07	2.75E-07	2.81E-07	2.55E-07	1.16E-07	1.16E-07	0.00E+00	0.00E+00	5.07E-08	9.54E-09	6.05E-08	9.34E-09	8.99E-09	1.39E-07
5135	491363.09	3864377.25	4.56E-04	4.65E-04	4.65E-04	1.58E-07	4.77E-07	2.76E-07	2.82E-07	2.55E-07	1.16E-07	1.16E-07	0.00E+00	0.00E+00	5.08E-08	9.56E-09	6.07E-08	9.35E-09	9.01E-09	1.39E-07
5136	491863.09	3864377.25	2.12E-04	2.16E-04	2.16E-04	7.34E-08	2.22E-07	1.28E-07	1.31E-07	1.19E-07	5.42E-08	5.41E-08	0.00E+00	0.00E+00	2.36E-08	4.45E-09	2.82E-08	4.35E-09	4.19E-09	6.48E-08
5137	492363.09	3864377.25	3.49E-04	3.57E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.96E-07	8.92E-08	8.91E-08	0.00E+00	0.00E+00	3.89E-08	7.32E-09	4.65E-08	7.17E-09	6.90E-09	1.07E-07
5138	492863.09	3864377.25	2.41E-04	2.46E-04	2.45E-04	8.33E-08	2.52E-07	1.46E-07	1.49E-07	1.35E-07	6.15E-08	6.14E-08	0.00E+00	0.00E+00	2.68E-08	5.05E-09	3.20E-08	4.94E-09	4.76E-09	7.35E-08
5139	493363.09	3864377.25	3.25E-04	3.31E-04	3.31E-04	1.12E-07	3.39E-07	1.96E-07	2.00E-07	1.82E-07	8.29E-08	8.28E-08	0.00E+00	0.00E+00	3.61E-08	6.81E-09	4.32E-08	6.66E-09	6.41E-09	9.92E-08
5140	493863.09	3864377.25	3.95E-04	4.04E-04	4.03E-04	1.37E-07	4.13E-07	2.39E-07	2.44E-07	2.21E-07	1.01E-07	1.01E-07	0.00E+00	0.00E+00	4.40E-08	8.29E-09	5.26E-08	8.11E-09	7.81E-09	1.21E-07
5141	494363.09	3864377.25	4.28E-04	4.37E-04	4.36E-04	1.48E-07	4.48E-07	2.59E-07	2.64E-07	2.40E-07	1.09E-07	1.09E-07	0.00E+00	0.00E+00	4.77E-08	8.97E-09	5.69E-08	8.78E-09	8.46E-09	1.31E-07
5142	494863.09	3864377.25	4.54E-04	4.63E-04	4.63E-04	1.57E-07	4.74E-07	2.75E-07	2.80E-07	2.54E-07	1.16E-07	1.16E-07	0.00E+00	0.00E+00	5.05E-08	9.51E-09	6.03E-08	9.31E-09	8.96E-09	1.39E-07
5143	495363.09	3864377.25	4.55E-04	4.65E-04	4.64E-04	1.58E-07	4.76E-07	2.75E-07	2.81E-07	2.55E-07	1.16E-07	1.16E-07	0.00E+00	0.00E+00	5.07E-08	9.54E-09	6.05E-08	9.34E-09	8.99E-09	1.39E-07
5144	495863.09	3864377.25	4.52E-04	4.62E-04	4.61E-04	1.57E-07	4.73E-07	2.74E-07	2.79E-07	2.53E-07	1.16E-07	1.15E-07	0.00E+00	0.00E+00	5.03E-08	9.48E-09	6.01E-08	9.28E-09	8.93E-09	1.38E-07
5145	496363.09	3864377.25	4.32E-04	4.41E-04	4.41E-04	1.50E-07	4.52E-07	2.62E-07	2.67E-07	2.42E-07	1.10E-07	1.10E-07	0.00E+00	0.00E+00	4.81E-08	9.06E-09	5.75E-08	8.86E-09	8.54E-09	1.32E-07

5146	496863.09	3864377.25	4.17E-04	4.26E-04	4.25E-04	1.44E-07	4.36E-07	2.52E-07	2.58E-07	2.34E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.64E-08	8.74E-09	5.55E-08	8.56E-09	8.24E-09	1.27E-07
5147	497363.09	3864377.25	4.10E-04	4.18E-04	4.17E-04	1.42E-07	4.28E-07	2.48E-07	2.53E-07	2.29E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.56E-08	8.58E-09	5.45E-08	8.40E-09	8.09E-09	1.25E-07
5148	497863.09	3864377.25	4.13E-04	4.22E-04	4.21E-04	1.43E-07	4.32E-07	2.50E-07	2.55E-07	2.31E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.60E-08	8.66E-09	5.49E-08	8.47E-09	8.16E-09	1.26E-07
5149	498363.09	3864377.25	4.15E-04	4.24E-04	4.23E-04	1.44E-07	4.34E-07	2.51E-07	2.57E-07	2.33E-07	1.06E-07	1.06E-07	0.00E+00	0.00E+00	4.62E-08	8.71E-09	5.53E-08	8.52E-09	8.21E-09	1.27E-07
5150	471363.09	3864877.25	1.92E-04	1.96E-04	1.96E-04	6.65E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.91E-08	4.90E-08	0.00E+00	0.00E+00	2.14E-08	4.03E-09	2.55E-08	3.94E-09	3.79E-09	5.87E-08
5151	471863.09	3864877.25	1.97E-04	2.01E-04	2.01E-04	6.81E-08	2.06E-07	1.19E-07	1.22E-07	1.10E-07	5.03E-08	5.02E-08	0.00E+00	0.00E+00	2.19E-08	4.13E-09	2.62E-08	4.04E-09	3.89E-09	6.01E-08
5152	472363.09	3864877.25	2.02E-04	2.06E-04	2.06E-04	6.99E-08	2.11E-07	1.22E-07	1.25E-07	1.13E-07	5.15E-08	5.15E-08	0.00E+00	0.00E+00	2.25E-08	4.23E-09	2.68E-08	4.14E-09	3.99E-09	6.17E-08
5153	472863.09	3864877.25	2.07E-04	2.11E-04	2.11E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.28E-08	5.27E-08	0.00E+00	0.00E+00	2.30E-08	4.33E-09	2.75E-08	4.24E-09	4.08E-09	6.31E-08
5154	473363.09	3864877.25	2.11E-04	2.15E-04	2.15E-04	7.29E-08	2.20E-07	1.27E-07	1.30E-07	1.18E-07	5.38E-08	5.37E-08	0.00E+00	0.00E+00	2.35E-08	4.42E-09	2.80E-08	4.32E-09	4.16E-09	6.44E-08
5155	473863.09	3864877.25	2.15E-04	2.19E-04	2.19E-04	7.43E-08	2.24E-07	1.30E-07	1.32E-07	1.20E-07	5.48E-08	5.47E-08	0.00E+00	0.00E+00	2.39E-08	4.50E-09	2.85E-08	4.40E-09	4.24E-09	6.55E-08
5156	474363.09	3864877.25	2.19E-04	2.23E-04	2.23E-04	7.57E-08	2.29E-07	1.32E-07	1.35E-07	1.22E-07	5.58E-08	5.58E-08	0.00E+00	0.00E+00	2.43E-08	4.58E-09	2.91E-08	4.48E-09	4.32E-09	6.68E-08
5157	474863.09	3864877.25	2.22E-04	2.27E-04	2.26E-04	7.69E-08	2.32E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.67E-08	0.00E+00	0.00E+00	2.47E-08	4.66E-09	2.95E-08	4.56E-09	4.39E-09	6.79E-08
5158	475363.09	3864877.25	2.26E-04	2.31E-04	2.30E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.26E-07	5.77E-08	5.77E-08	0.00E+00	0.00E+00	2.52E-08	4.74E-09	3.01E-08	4.63E-09	4.46E-09	6.90E-08
5159	475863.09	3864877.25	2.30E-04	2.34E-04	2.34E-04	7.95E-08	2.40E-07	1.39E-07	1.42E-07	1.28E-07	5.86E-08	5.86E-08	0.00E+00	0.00E+00	2.56E-08	4.81E-09	3.05E-08	4.71E-09	4.53E-09	7.01E-08
5160	476363.09	3864877.25	2.33E-04	2.38E-04	2.38E-04	8.08E-08	2.44E-07	1.41E-07	1.44E-07	1.31E-07	5.96E-08	5.95E-08	0.00E+00	0.00E+00	2.60E-08	4.89E-09	3.10E-08	4.79E-09	4.61E-09	7.13E-08
5161	476863.09	3864877.25	2.39E-04	2.44E-04	2.43E-04	8.26E-08	2.49E-07	1.44E-07	1.47E-07	1.34E-07	6.10E-08	6.09E-08	0.00E+00	0.00E+00	2.66E-08	5.00E-09	3.17E-08	4.89E-09	4.71E-09	7.29E-08
5162	477363.09	3864877.25	2.43E-04	2.48E-04	2.48E-04	8.42E-08	2.54E-07	1.47E-07	1.50E-07	1.36E-07	6.21E-08	6.20E-08	0.00E+00	0.00E+00	2.71E-08	5.09E-09	3.23E-08	4.99E-09	4.80E-09	7.43E-08
5163	477863.09	3864877.25	2.48E-04	2.53E-04	2.53E-04	8.58E-08	2.59E-07	1.50E-07	1.53E-07	1.39E-07	6.33E-08	6.32E-08	0.00E+00	0.00E+00	2.76E-08	5.19E-09	3.30E-08	5.08E-09	4.89E-09	7.57E-08
5164	478363.09	3864877.25	2.53E-04	2.58E-04	2.58E-04	8.75E-08	2.64E-07	1.53E-07	1.56E-07	1.42E-07	6.46E-08	6.45E-08	0.00E+00	0.00E+00	2.81E-08	5.30E-09	3.36E-08	5.18E-09	4.99E-09	7.72E-08
5165	478863.09	3864877.25	2.58E-04	2.63E-04	2.62E-04	8.91E-08	2.69E-07	1.56E-07	1.59E-07	1.44E-07	6.58E-08	6.57E-08	0.00E+00	0.00E+00	2.87E-08	5.40E-09	3.42E-08	5.28E-09	5.09E-09	7.87E-08
5166	479363.09	3864877.25	2.62E-04	2.67E-04	2.67E-04	9.06E-08	2.73E-07	1.58E-07	1.62E-07	1.46E-07	6.68E-08	6.67E-08	0.00E+00	0.00E+00	2.91E-08	5.48E-09	3.48E-08	5.37E-09	5.17E-09	7.99E-08
5167	479863.09	3864877.25	2.64E-04	2.70E-04	2.69E-04	9.15E-08	2.76E-07	1.60E-07	1.63E-07	1.48E-07	6.75E-08	6.74E-08	0.00E+00	0.00E+00	2.94E-08	5.54E-09	3.51E-08	5.42E-09	5.22E-09	8.08E-08
5168	480363.09	3864877.25	2.68E-04	2.73E-04	2.73E-04	9.26E-08	2.80E-07	1.62E-07	1.65E-07	1.50E-07	6.83E-08	6.82E-08	0.00E+00	0.00E+00	2.98E-08	5.61E-09	3.56E-08	5.49E-09	5.28E-09	8.17E-08
5169	480863.09	3864877.25	2.71E-04	2.76E-04	2.76E-04	9.36E-08	2.83E-07	1.64E-07	1.67E-07	1.51E-07	6.91E-08	6.90E-08	0.00E+00	0.00E+00	3.01E-08	5.67E-09	3.60E-08	5.55E-09	5.34E-09	8.26E-08
5170	481363.09	3864877.25	2.75E-04	2.80E-04	2.80E-04	9.51E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.01E-08	7.01E-08	0.00E+00	0.00E+00	3.06E-08	5.76E-09	3.65E-08	5.63E-09	5.42E-09	8.39E-08
5171	481863.09	3864877.25	2.78E-04	2.84E-04	2.83E-04	9.62E-08	2.90E-07	1.68E-07	1.72E-07	1.56E-07	7.10E-08	7.09E-08	0.00E+00	0.00E+00	3.09E-08	5.82E-09	3.70E-08	5.70E-09	5.49E-09	8.49E-08
5172	482363.09	3864877.25	2.81E-04	2.87E-04	2.87E-04	9.74E-08	2.94E-07	1.70E-07	1.74E-07	1.57E-07	7.19E-08	7.18E-08	0.00E+00	0.00E+00	3.13E-08	5.90E-09	3.74E-08	5.77E-09	5.56E-09	8.60E-08
5173	482863.09	3864877.25	2.85E-04	2.90E-04	2.90E-04	9.85E-08	2.98E-07	1.72E-07	1.76E-07	1.59E-07	7.27E-08	7.26E-08	0.00E+00	0.00E+00	3.17E-08	5.97E-09	3.79E-08	5.84E-09	5.62E-09	8.70E-08
5174	483363.09	3864877.25	2.89E-04	2.95E-04	2.94E-04	1.00E-07	3.02E-07	1.75E-07	1.78E-07	1.62E-07	7.37E-08	7.37E-08	0.00E+00	0.00E+00	3.21E-08	6.05E-09	3.84E-08	5.92E-09	5.70E-09	8.82E-08
5175	483863.09	3864877.25	2.95E-04	3.01E-04	3.01E-04	1.02E-07	3.09E-07	1.79E-07	1.82E-07	1.65E-07	7.54E-08	7.53E-08	0.00E+00	0.00E+00	3.29E-08	6.19E-09	3.93E-08	6.05E-09	5.83E-09	9.02E-08
5176	484363.09	3864877.25	3.05E-04	3.11E-04	3.11E-04	1.06E-07	3.19E-07	1.85E-07	1.88E-07	1.71E-07	7.79E-08	7.78E-08	0.00E+00	0.00E+00	3.39E-08	6.39E-09	4.06E-08	6.25E-09	6.02E-09	9.32E-08
5177	484863.09	3864877.25	3.16E-04	3.23E-04	3.22E-04	1.09E-07	3.30E-07	1.91E-07	1.95E-07	1.77E-07	8.07E-08	8.07E-08	0.00E+00	0.00E+00	3.52E-08	6.63E-09	4.20E-08	6.48E-09	6.24E-09	9.66E-08
5178	485363.09	3864877.25	3.29E-04	3.36E-04	3.36E-04	1.14E-07	3.44E-07	1.99E-07	2.03E-07	1.84E-07	8.41E-08	8.40E-08	0.00E+00	0.00E+00	3.67E-08	6.90E-09	4.38E-08	6.76E-09	6.51E-09	1.01E-07
5179	485863.09	3864877.25	3.42E-04	3.49E-04	3.48E-04	1.18E-07	3.57E-07	2.07E-07	2.11E-07	1.91E-07	8.73E-08	8.72E-08	0.00E+00	0.00E+00	3.80E-08	7.16E-09	4.55E-08	7.01E-09	6.75E-09	1.04E-07
5180	486363.09	3864877.25	3.53E-04	3.60E-04	3.60E-04	1.22E-07	3.69E-07	2.14E-07	2.18E-07	1.98E-07	9.02E-08	9.00E-08	0.00E+00	0.00E+00	3.93E-08	7.40E-09	4.69E-08	7.24E-09	6.97E-09	1.08E-07
5181	486863.09	3864877.25	3.63E-04	3.70E-04	3.70E-04	1.26E-07	3.79E-07	2.19E-07	2.24E-07	2.03E-07	9.26E-08	9.25E-08	0.00E+00	0.00E+00	4.04E-08	7.60E-09	4.82E-08	7.44E-09	7.16E-09	1.11E-07
5182	487363.09	3864877.25	3.75E-04	3.82E-04	3.82E-04	1.30E-07	3.92E-07	2.27E-07	2.31E-07	2.10E-07	9.57E-08	9.56E-08	0.00E+00	0.00E+00	4.17E-08	7.85E-09	4.98E-08	7.69E-09	7.40E-09	1.15E-07
5183	487863.09	3864877.25	3.87E-04	3.95E-04	3.94E-04	1.34E-07	4.04E-07	2.34E-07	2.39E-07	2.17E-07	9.88E-08	9.87E-08	0.00E+00	0.00E+00	4.31E-08	8.11E-09	5.15E-08	7.93E-09	7.64E-09	1.18E-07
5184	488363.09	3864877.25	3.96E-04	4.04E-04	4.03E-04	1.37E-07	4.14E-07	2.39E-07	2.44E-07	2.21E-07	1.01E-07	1.01E-07	0.00E+00	0.00E+00	4.41E-08	8.29E-09	5.26E-08	8.12E-09	7.82E-09	1.21E-07
5185	488863.09	3864877.25	4.03E-04	4.11E-04	4.11E-04	1.39E-07	4.21E-07	2.44E-07	2.49E-07	2.25E-07	1.03E-07	1.03E-07	0.00E+00	0.00E+00	4.48E-08	8.44E-09	5.36E-08	8.26E-09	7.96E-09	1.23E-07
5186	489363.09	3864877.25	4.04E-04	4.12E-04	4.11E-04	1.40E-07	4.22E-07	2.44E-07	2.49E-07	2.26E-07	1.03E-07	1.03E-07	0.00E+00	0.00E+00	4.49E-08	8.46E-09	5.37E-08	8.28E-09	7.97E-09	1.23E-07
5187	489863.09	3864877.25	4.00E-04	4.08E-04	4.08E-04	1.39E-07	4.18E-07	2.42E-07	2.47E-07	2.24E-07	1.02E-07	1.02E-07	0.00E+00	0.00E+00	4.45E-08	8.39E-09	5.32E-08	8.21E-09	7.90E-09	1.22E-07
5188	490363.09	3864877.25	4.01E-04	4.09E-04	4.08E-04	1.39E-07	4.19E-07	2.42E-07	2.47E-07	2.24E-07	1.02E-07	1.02E-07	0.00E+00	0.00E+00	4.46E-08	8.40E-09	5.33E-08	8.22E-09	7.92E-09	1.22E-07
5189	490863.09	3864877.25	3.80E-04	3.88E-04	3.87E-04	1.32E-07	3.97E-07	2.30E-07	2.35E-07	2.13E-07	9.71E-08	9.70E-08	0.00E+00	0.00E+00	4.23E-08	7.97E-09	5.05E-08	7.80E-09	7.51E-09	1.16E-07
5190	491363.09	3864877.25	4.00E-04	4.09E-04	4.08E-04	1.39E-07	4.19E-07	2.42E-07	2.47E-07	2.24E-07	1.02E-07	1.02E-07	0.00E+00	0.00E+00	4.46E-08	8.39E-09	5.33E-08	8.21E-09	7.91E-09	1.22E-07
5191	491863.09	3864877.25	3.61E-04	3.68E-04	3.68E-04	1.25E-07	3.77E-07	2.18E-07	2.23E-07	2.02E-07	9.21E-08	9.20E-08	0.00E+00	0.00E+00	4.01E-08	7.56E-09	4.80E-08	7.40E-09	7.12E-09	1.10E-07
5192	492363.09	3864877.25	1.50E-04	1.53E-04	1.53E-04	5.20E-08	1.57E-07	9.09E-08	9.28E-08	8.41E-08	3.84E-08	3.83E-08	0.00E+00	0.00E+00	1.67E-08	3.15E-09	2.00E-08	3.08E-09	2.97E-09	4.59E-08
5193	492863.09	3864877.25	1.82E-04	1.86E-04	1.86E-04	6.31E-08	1.91E-07	1.10E-07	1.13E-07	1.02E-07	4.66E-08	4.65E-08	0.00E+00	0.00E+00	2.03E-08	3.82E-09	2.43E-08	3.74E-09	3.60E-09	5.57E-08
5194	493363.09	3864877.25	1.78E-04	1.82E-04	1.81E-04	6.16E-08	1.86E-07	1.08E-07	1.10E-07	9.96E-08	4.55E-08	4.54E-08	0.00E+00	0.00E+00	1.98E-08	3.73E-09	2.37E-08	3.65E-09	3.52E-09	5.44E-08
5195	493863.09	3864877.25	3.11E-04	3.18E-04	3.17E-04	1.08E-07	3.25E-07	1.88E-07	1.92E-07	1.74E-07	7.95E-08	7.94E-08	0.00E+00	0.00E+00	3.46E-08	6.52E-09	4.14E-08	6.38E-09	6.15E-09	9.51E-08
5196	494363.09	3864877.25	3.67E-04	3.74E-04	3.74E-04	1.27E-07	3.83E-07	2.22E-07	2.27E-07	2.05E-07	9.37E-08	9.36E-08	0.00E+00	0.00E+00	4.08E-08	7.69E-09	4.88E-08	7.52E-09	7.25E-09	1.12E-07
5197	494863.09	3864877.25	3.81E-04	3.89E-04	3.88E-04	1.32E-07	3.98E-07	2.31E-07	2.35E-07	2.13E-07	9.73E-08	9.72E-08	0.00E+00	0.00E+00	4.24E-08	7.98E-09	5.07E-08	7.81E-09	7.53E-09	1.16E-07
5198	495363.09	3864877.25	3.98E-04	4.06E-04	4.05E-04	1.38E-07	4.15E-07	2.41E-07	2.45E-07	2.22E-07	1.02E-07	1.01E-07	0.00E+00	0.00E+00	4.42E-08	8.33E-09	5.29E-08	8.15E-09	7.85E-09	1.21E-07
5199	495863.09	3864877.25	3.99E-04	4.07E-04	4.07E-04	1.38E-07	4.17E-07	2.42E-07	2.47E-07	2.23E-07	1.02E-07	1.02E-07	0.00E+00	0.00E+00	4.44E-08	8.37E-09	5.31E-08	8.19E-09	7.89E-09	1.22E-07
5200	496363.09	3864877.25	3.98E-04	4.07E-04	4.06E-04	1.38E-07	4.16E-07	2.41E-07	2.46E-07	2.23E-07	1.02E-07	1.02E-07	0.00E+00	0.00E+00	4.43E-08	8.35E-09	5.30E-08	8.17E-09	7.87E-09	1.22E-07
5201	496863.09	3864877.25	3.82E-04	3.90E-04	3.90E-04	1.32E-07	3.99E-07	2.31E-07	2.36E-07	2.14E-07	9.76E-08	9.75E-08	0.00E+00	0.00E+00	4.25E-08	8.01E-09	5.08E-08	7.84E-09	7.55E-09	1.17E-07

5202	497363.09	3864877.25	3.68E-04	3.75E-04	3.75E-04	1.27E-07	3.84E-07	2.23E-07	2.27E-07	2.06E-07	9.39E-08	9.38E-08	0.00E+00	0.00E+00	4.09E-08	7.71E-09	4.89E-08	7.54E-09	7.26E-09	1.12E-07
5203	497863.09	3864877.25	3.62E-04	3.69E-04	3.69E-04	1.25E-07	3.78E-07	2.19E-07	2.23E-07	2.03E-07	9.24E-08	9.23E-08	0.00E+00	0.00E+00	4.03E-08	7.58E-09	4.81E-08	7.42E-09	7.15E-09	1.11E-07
5204	498363.09	3864877.25	3.58E-04	3.66E-04	3.65E-04	1.24E-07	3.75E-07	2.17E-07	2.21E-07	2.01E-07	9.15E-08	9.14E-08	0.00E+00	0.00E+00	3.99E-08	7.51E-09	4.76E-08	7.35E-09	7.08E-09	1.09E-07
5205	471363.09	3865377.25	1.87E-04	1.91E-04	1.90E-04	6.47E-08	1.95E-07	1.13E-07	1.15E-07	1.05E-07	4.77E-08	4.77E-08	0.00E+00	0.00E+00	2.08E-08	3.92E-09	2.48E-08	3.83E-09	3.69E-09	5.71E-08
5206	471863.09	3865377.25	1.91E-04	1.95E-04	1.95E-04	6.62E-08	2.00E-07	1.16E-07	1.18E-07	1.07E-07	4.88E-08	4.88E-08	0.00E+00	0.00E+00	2.13E-08	4.01E-09	2.54E-08	3.92E-09	3.78E-09	5.84E-08
5207	472363.09	3865377.25	1.95E-04	1.99E-04	1.99E-04	6.76E-08	2.04E-07	1.18E-07	1.21E-07	1.09E-07	4.99E-08	4.98E-08	0.00E+00	0.00E+00	2.17E-08	4.09E-09	2.60E-08	4.01E-09	3.86E-09	5.97E-08
5208	472863.09	3865377.25	2.00E-04	2.04E-04	2.04E-04	6.92E-08	2.09E-07	1.21E-07	1.23E-07	1.12E-07	5.10E-08	5.10E-08	0.00E+00	0.00E+00	2.22E-08	4.19E-09	2.66E-08	4.10E-09	3.95E-09	6.10E-08
5209	473363.09	3865377.25	2.03E-04	2.07E-04	2.07E-04	7.03E-08	2.12E-07	1.23E-07	1.25E-07	1.14E-07	5.18E-08	5.18E-08	0.00E+00	0.00E+00	2.26E-08	4.25E-09	2.70E-08	4.16E-09	4.01E-09	6.20E-08
5210	473863.09	3865377.25	2.07E-04	2.11E-04	2.11E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.28E-08	5.27E-08	0.00E+00	0.00E+00	2.30E-08	4.33E-09	2.75E-08	4.24E-09	4.08E-09	6.31E-08
5211	474363.09	3865377.25	2.10E-04	2.14E-04	2.14E-04	7.27E-08	2.20E-07	1.27E-07	1.30E-07	1.18E-07	5.37E-08	5.36E-08	0.00E+00	0.00E+00	2.34E-08	4.40E-09	2.79E-08	4.31E-09	4.15E-09	6.42E-08
5212	474863.09	3865377.25	2.14E-04	2.18E-04	2.18E-04	7.41E-08	2.24E-07	1.29E-07	1.32E-07	1.20E-07	5.46E-08	5.46E-08	0.00E+00	0.00E+00	2.38E-08	4.48E-09	2.84E-08	4.39E-09	4.23E-09	6.54E-08
5213	475363.09	3865377.25	2.17E-04	2.22E-04	2.21E-04	7.52E-08	2.27E-07	1.31E-07	1.34E-07	1.22E-07	5.55E-08	5.54E-08	0.00E+00	0.00E+00	2.42E-08	4.55E-09	2.89E-08	4.45E-09	4.29E-09	6.63E-08
5214	475863.09	3865377.25	2.21E-04	2.25E-04	2.25E-04	7.64E-08	2.31E-07	1.34E-07	1.36E-07	1.24E-07	5.64E-08	5.63E-08	0.00E+00	0.00E+00	2.46E-08	4.63E-09	2.93E-08	4.53E-09	4.36E-09	6.74E-08
5215	476363.09	3865377.25	2.26E-04	2.31E-04	2.31E-04	7.83E-08	2.37E-07	1.37E-07	1.40E-07	1.27E-07	5.78E-08	5.77E-08	0.00E+00	0.00E+00	2.52E-08	4.74E-09	3.01E-08	4.64E-09	4.47E-09	6.91E-08
5216	476863.09	3865377.25	2.26E-04	2.31E-04	2.30E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.26E-07	5.77E-08	5.77E-08	0.00E+00	0.00E+00	2.52E-08	4.74E-09	3.01E-08	4.63E-09	4.46E-09	6.90E-08
5217	477363.09	3865377.25	2.33E-04	2.38E-04	2.38E-04	8.08E-08	2.44E-07	1.41E-07	1.44E-07	1.31E-07	5.96E-08	5.95E-08	0.00E+00	0.00E+00	2.60E-08	4.89E-09	3.10E-08	4.79E-09	4.61E-09	7.13E-08
5218	477863.09	3865377.25	2.36E-04	2.41E-04	2.40E-04	8.16E-08	2.46E-07	1.43E-07	1.46E-07	1.32E-07	6.02E-08	6.01E-08	0.00E+00	0.00E+00	2.62E-08	4.94E-09	3.13E-08	4.83E-09	4.66E-09	7.20E-08
5219	478363.09	3865377.25	2.40E-04	2.44E-04	2.44E-04	8.29E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	6.12E-08	6.11E-08	0.00E+00	0.00E+00	2.67E-08	5.02E-09	3.19E-08	4.91E-09	4.73E-09	7.32E-08
5220	478863.09	3865377.25	2.43E-04	2.47E-04	2.47E-04	8.39E-08	2.53E-07	1.47E-07	1.50E-07	1.36E-07	6.19E-08	6.19E-08	0.00E+00	0.00E+00	2.70E-08	5.08E-09	3.22E-08	4.97E-09	4.79E-09	7.41E-08
5221	479363.09	3865377.25	2.45E-04	2.50E-04	2.50E-04	8.50E-08	2.57E-07	1.49E-07	1.52E-07	1.37E-07	6.27E-08	6.26E-08	0.00E+00	0.00E+00	2.73E-08	5.14E-09	3.26E-08	5.03E-09	4.85E-09	7.50E-08
5222	479863.09	3865377.25	2.48E-04	2.53E-04	2.53E-04	8.60E-08	2.60E-07	1.50E-07	1.53E-07	1.39E-07	6.34E-08	6.34E-08	0.00E+00	0.00E+00	2.77E-08	5.21E-09	3.30E-08	5.09E-09	4.91E-09	7.59E-08
5223	480363.09	3865377.25	2.50E-04	2.55E-04	2.55E-04	8.66E-08	2.61E-07	1.51E-07	1.54E-07	1.40E-07	6.39E-08	6.38E-08	0.00E+00	0.00E+00	2.78E-08	5.24E-09	3.33E-08	5.13E-09	4.94E-09	7.64E-08
5224	480863.09	3865377.25	2.53E-04	2.58E-04	2.57E-04	8.74E-08	2.64E-07	1.53E-07	1.56E-07	1.41E-07	6.45E-08	6.44E-08	0.00E+00	0.00E+00	2.81E-08	5.29E-09	3.36E-08	5.18E-09	4.99E-09	7.72E-08
5225	481363.09	3865377.25	2.56E-04	2.61E-04	2.61E-04	8.85E-08	2.67E-07	1.55E-07	1.58E-07	1.43E-07	6.53E-08	6.52E-08	0.00E+00	0.00E+00	2.85E-08	5.36E-09	3.40E-08	5.25E-09	5.05E-09	7.81E-08
5226	481863.09	3865377.25	2.58E-04	2.63E-04	2.63E-04	8.93E-08	2.69E-07	1.56E-07	1.59E-07	1.44E-07	6.58E-08	6.58E-08	0.00E+00	0.00E+00	2.87E-08	5.40E-09	3.43E-08	5.29E-09	5.09E-09	7.88E-08
5227	482363.09	3865377.25	2.60E-04	2.65E-04	2.65E-04	8.99E-08	2.71E-07	1.57E-07	1.60E-07	1.45E-07	6.63E-08	6.62E-08	0.00E+00	0.00E+00	2.89E-08	5.44E-09	3.45E-08	5.32E-09	5.13E-09	7.93E-08
5228	482863.09	3865377.25	2.62E-04	2.67E-04	2.67E-04	9.06E-08	2.73E-07	1.58E-07	1.62E-07	1.46E-07	6.68E-08	6.67E-08	0.00E+00	0.00E+00	2.91E-08	5.48E-09	3.48E-08	5.37E-09	5.17E-09	7.99E-08
5229	483363.09	3865377.25	2.67E-04	2.72E-04	2.72E-04	9.23E-08	2.79E-07	1.61E-07	1.65E-07	1.49E-07	6.81E-08	6.80E-08	0.00E+00	0.00E+00	2.97E-08	5.59E-09	3.55E-08	5.47E-09	5.27E-09	8.15E-08
5230	483863.09	3865377.25	2.74E-04	2.80E-04	2.80E-04	9.50E-08	2.87E-07	1.66E-07	1.69E-07	1.54E-07	7.01E-08	7.00E-08	0.00E+00	0.00E+00	3.05E-08	5.75E-09	3.65E-08	5.63E-09	5.42E-09	8.38E-08
5231	484363.09	3865377.25	2.84E-04	2.90E-04	2.90E-04	9.83E-08	2.97E-07	1.72E-07	1.75E-07	1.59E-07	7.25E-08	7.25E-08	0.00E+00	0.00E+00	3.16E-08	5.95E-09	3.78E-08	5.83E-09	5.61E-09	8.68E-08
5232	484863.09	3865377.25	2.95E-04	3.01E-04	3.01E-04	1.02E-07	3.09E-07	1.79E-07	1.82E-07	1.65E-07	7.54E-08	7.53E-08	0.00E+00	0.00E+00	3.29E-08	6.19E-09	3.93E-08	6.05E-09	5.83E-09	9.02E-08
5233	485363.09	3865377.25	3.07E-04	3.13E-04	3.13E-04	1.06E-07	3.21E-07	1.86E-07	1.89E-07	1.72E-07	7.83E-08	7.82E-08	0.00E+00	0.00E+00	3.41E-08	6.43E-09	4.08E-08	6.29E-09	6.06E-09	9.37E-08
5234	485863.09	3865377.25	3.16E-04	3.23E-04	3.23E-04	1.10E-07	3.31E-07	1.91E-07	1.95E-07	1.77E-07	8.08E-08	8.07E-08	0.00E+00	0.00E+00	3.52E-08	6.63E-09	4.21E-08	6.49E-09	6.25E-09	9.67E-08
5235	486363.09	3865377.25	3.25E-04	3.31E-04	3.31E-04	1.12E-07	3.39E-07	1.96E-07	2.00E-07	1.82E-07	8.29E-08	8.28E-08	0.00E+00	0.00E+00	3.61E-08	6.81E-09	4.32E-08	6.66E-09	6.41E-09	9.92E-08
5236	486863.09	3865377.25	3.33E-04	3.39E-04	3.39E-04	1.15E-07	3.48E-07	2.01E-07	2.05E-07	1.86E-07	8.50E-08	8.49E-08	0.00E+00	0.00E+00	3.70E-08	6.97E-09	4.42E-08	6.82E-09	6.57E-09	1.02E-07
5237	487363.09	3865377.25	3.42E-04	3.49E-04	3.49E-04	1.19E-07	3.58E-07	2.07E-07	2.11E-07	1.92E-07	8.74E-08	8.73E-08	0.00E+00	0.00E+00	3.81E-08	7.18E-09	4.55E-08	7.02E-09	6.76E-09	1.05E-07
5238	487863.09	3865377.25	3.50E-04	3.57E-04	3.56E-04	1.21E-07	3.66E-07	2.12E-07	2.16E-07	1.96E-07	8.93E-08	8.92E-08	0.00E+00	0.00E+00	3.89E-08	7.33E-09	4.65E-08	7.17E-09	6.91E-09	1.07E-07
5239	488363.09	3865377.25	3.56E-04	3.63E-04	3.63E-04	1.23E-07	3.72E-07	2.15E-07	2.20E-07	1.99E-07	9.09E-08	9.08E-08	0.00E+00	0.00E+00	3.96E-08	7.46E-09	4.73E-08	7.30E-09	7.03E-09	1.09E-07
5240	488863.09	3865377.25	3.61E-04	3.68E-04	3.68E-04	1.25E-07	3.77E-07	2.18E-07	2.23E-07	2.02E-07	9.21E-08	9.20E-08	0.00E+00	0.00E+00	4.01E-08	7.56E-09	4.80E-08	7.40E-09	7.12E-09	1.10E-07
5241	489363.09	3865377.25	3.61E-04	3.69E-04	3.68E-04	1.25E-07	3.78E-07	2.19E-07	2.23E-07	2.02E-07	9.23E-08	9.22E-08	0.00E+00	0.00E+00	4.02E-08	7.57E-09	4.80E-08	7.41E-09	7.14E-09	1.10E-07
5242	489863.09	3865377.25	3.61E-04	3.69E-04	3.68E-04	1.25E-07	3.78E-07	2.19E-07	2.23E-07	2.02E-07	9.23E-08	9.22E-08	0.00E+00	0.00E+00	4.02E-08	7.57E-09	4.80E-08	7.41E-09	7.14E-09	1.10E-07
5243	490363.09	3865377.25	3.50E-04	3.58E-04	3.57E-04	1.21E-07	3.66E-07	2.12E-07	2.16E-07	1.96E-07	8.95E-08	8.94E-08	0.00E+00	0.00E+00	3.90E-08	7.34E-09	4.66E-08	7.18E-09	6.92E-09	1.07E-07
5244	490863.09	3865377.25	3.34E-04	3.41E-04	3.41E-04	1.16E-07	3.49E-07	2.02E-07	2.06E-07	1.87E-07	8.53E-08	8.52E-08	0.00E+00	0.00E+00	3.72E-08	7.00E-09	4.44E-08	6.85E-09	6.60E-09	1.02E-07
5245	491363.09	3865377.25	3.24E-04	3.30E-04	3.30E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.81E-07	8.27E-08	8.26E-08	0.00E+00	0.00E+00	3.60E-08	6.79E-09	4.31E-08	6.64E-09	6.40E-09	9.89E-08
5246	491863.09	3865377.25	3.21E-04	3.28E-04	3.27E-04	1.11E-07	3.36E-07	1.94E-07	1.98E-07	1.80E-07	8.20E-08	8.19E-08	0.00E+00	0.00E+00	3.58E-08	6.73E-09	4.27E-08	6.59E-09	6.34E-09	9.81E-08
5247	492363.09	3865377.25	2.56E-04	2.61E-04	2.61E-04	8.85E-08	2.67E-07	1.55E-07	1.58E-07	1.43E-07	6.53E-08	6.52E-08	0.00E+00	0.00E+00	2.85E-08	5.36E-09	3.40E-08	5.25E-09	5.05E-09	7.81E-08
5248	492863.09	3865377.25	1.99E-04	2.03E-04	2.03E-04	6.89E-08	2.08E-07	1.20E-07	1.23E-07	1.11E-07	5.08E-08	5.07E-08	0.00E+00	0.00E+00	2.21E-08	4.17E-09	2.65E-08	4.08E-09	3.93E-09	6.08E-08
5249	493363.09	3865377.25	1.67E-04	1.70E-04	1.70E-04	5.78E-08	1.75E-07	1.01E-07	1.03E-07	9.35E-08	4.27E-08	4.26E-08	0.00E+00	0.00E+00	1.86E-08	3.50E-09	2.22E-08	3.43E-09	3.30E-09	5.10E-08
5250	493863.09	3865377.25	2.26E-04	2.30E-04	2.30E-04	7.81E-08	2.36E-07	1.37E-07	1.39E-07	1.26E-07	5.76E-08	5.76E-08	0.00E+00	0.00E+00	2.51E-08	4.73E-09	3.00E-08	4.63E-09	4.46E-09	6.90E-08
5251	494363.09	3865377.25	2.96E-04	3.02E-04	3.02E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.56E-08	7.55E-08	0.00E+00	0.00E+00	3.29E-08	6.20E-09	3.93E-08	6.07E-09	5.84E-09	9.04E-08
5252	494863.09	3865377.25	3.26E-04	3.32E-04	3.32E-04	1.13E-07	3.40E-07	1.97E-07	2.01E-07	1.82E-07	8.32E-08	8.31E-08	0.00E+00	0.00E+00	3.62E-08	6.82E-09	4.33E-08	6.68E-09	6.43E-09	9.95E-08
5253	495363.09	3865377.25	3.40E-04	3.47E-04	3.46E-04	1.18E-07	3.55E-07	2.06E-07	2.10E-07	1.90E-07	8.68E-08	8.67E-08	0.00E+00	0.00E+00	3.78E-08	7.12E-09	4.52E-08	6.97E-09	6.71E-09	1.04E-07
5254	495863.09	3865377.25	3.55E-04	3.62E-04	3.62E-04	1.23E-07	3.71E-07	2.15E-07	2.19E-07	1.99E-07	9.07E-08	9.06E-08	0.00E+00	0.00E+00	3.95E-08	7.44E-09	4.72E-08	7.28E-09	7.01E-09	1.08E-07
5255	496363.09	3865377.25	3.53E-04	3.60E-04	3.59E-04	1.22E-07	3.69E-07	2.13E-07	2.18E-07	1.97E-07	9.01E-08	9.00E-08	0.00E+00	0.00E+00	3.93E-08	7.39E-09	4.69E-08	7.23E-09	6.97E-09	1.08E-07
5256	496863.09	3865377.25	3.52E-04	3.59E-04	3.58E-04	1.22E-07	3.67E-07	2.13E-07	2.17E-07	1.97E-07	8.98E-08	8.97E-08	0.00E+00	0.00E+00	3.91E-08	7.37E-09	4.67E-08	7.21E-09	6.94E-09	1.07E-07
5257	497363.09	3865377.25	3.42E-04	3.49E-04	3.49E-04	1.18E-07	3.58E-07	2.07E-07	2.11E-07	1.91E-07	8.74E-08	8.73E-08	0.00E+00	0.00E+00	3.81E-08	7.17E-09	4.55E-08	7.02E-09	6.76E-09	1.05E-07

5258	497863.09	3865377.25	3.29E-04	3.36E-04	3.35E-04	1.14E-07	3.44E-07	1.99E-07	2.03E-07	1.84E-07	8.40E-08	8.39E-08	0.00E+00	0.00E+00	3.66E-08	6.89E-09	4.37E-08	6.74E-09	6.50E-09	1.00E-07
5259	498363.09	3865377.25	3.23E-04	3.30E-04	3.29E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.81E-07	8.26E-08	8.25E-08	0.00E+00	0.00E+00	3.60E-08	6.77E-09	4.30E-08	6.63E-09	6.38E-09	9.88E-08
5260	471363.09	3865877.25	1.81E-04	1.85E-04	1.85E-04	6.27E-08	1.89E-07	1.10E-07	1.12E-07	1.01E-07	4.63E-08	4.62E-08	0.00E+00	0.00E+00	2.02E-08	3.80E-09	2.41E-08	3.72E-09	3.58E-09	5.54E-08
5261	471863.09	3865877.25	1.85E-04	1.89E-04	1.89E-04	6.41E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.72E-08	0.00E+00	0.00E+00	2.06E-08	3.88E-09	2.46E-08	3.79E-09	3.66E-09	5.65E-08
5262	472363.09	3865877.25	1.89E-04	1.93E-04	1.93E-04	6.55E-08	1.98E-07	1.14E-07	1.17E-07	1.06E-07	4.83E-08	4.83E-08	0.00E+00	0.00E+00	2.11E-08	3.96E-09	2.52E-08	3.88E-09	3.74E-09	5.78E-08
5263	472863.09	3865877.25	1.92E-04	1.96E-04	1.96E-04	6.65E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.91E-08	4.90E-08	0.00E+00	0.00E+00	2.14E-08	4.03E-09	2.55E-08	3.94E-09	3.79E-09	5.87E-08
5264	473363.09	3865877.25	1.95E-04	1.99E-04	1.99E-04	6.75E-08	2.04E-07	1.18E-07	1.20E-07	1.09E-07	4.98E-08	4.98E-08	0.00E+00	0.00E+00	2.17E-08	4.09E-09	2.59E-08	4.00E-09	3.85E-09	5.96E-08
5265	473863.09	3865877.25	1.99E-04	2.03E-04	2.03E-04	6.89E-08	2.08E-07	1.20E-07	1.23E-07	1.11E-07	5.08E-08	5.07E-08	0.00E+00	0.00E+00	2.21E-08	4.17E-09	2.65E-08	4.08E-09	3.93E-09	6.08E-08
5266	474363.09	3865877.25	2.02E-04	2.07E-04	2.06E-04	7.01E-08	2.12E-07	1.22E-07	1.25E-07	1.13E-07	5.17E-08	5.16E-08	0.00E+00	0.00E+00	2.25E-08	4.24E-09	2.69E-08	4.15E-09	4.00E-09	6.18E-08
5267	474863.09	3865877.25	2.06E-04	2.10E-04	2.10E-04	7.14E-08	2.16E-07	1.25E-07	1.27E-07	1.15E-07	5.27E-08	5.26E-08	0.00E+00	0.00E+00	2.30E-08	4.32E-09	2.74E-08	4.23E-09	4.07E-09	6.30E-08
5268	475363.09	3865877.25	2.09E-04	2.13E-04	2.13E-04	7.24E-08	2.19E-07	1.27E-07	1.29E-07	1.17E-07	5.34E-08	5.34E-08	0.00E+00	0.00E+00	2.33E-08	4.38E-09	2.78E-08	4.29E-09	4.13E-09	6.39E-08
5269	475863.09	3865877.25	2.13E-04	2.17E-04	2.17E-04	7.36E-08	2.22E-07	1.29E-07	1.31E-07	1.19E-07	5.43E-08	5.43E-08	0.00E+00	0.00E+00	2.37E-08	4.46E-09	2.83E-08	4.36E-09	4.20E-09	6.50E-08
5270	476363.09	3865877.25	2.17E-04	2.22E-04	2.22E-04	7.53E-08	2.27E-07	1.32E-07	1.34E-07	1.22E-07	5.55E-08	5.55E-08	0.00E+00	0.00E+00	2.42E-08	4.56E-09	2.89E-08	4.46E-09	4.30E-09	6.64E-08
5271	476863.09	3865877.25	2.15E-04	2.19E-04	2.19E-04	7.44E-08	2.25E-07	1.30E-07	1.33E-07	1.20E-07	5.49E-08	5.48E-08	0.00E+00	0.00E+00	2.39E-08	4.50E-09	2.86E-08	4.41E-09	4.24E-09	6.56E-08
5272	477363.09	3865877.25	2.22E-04	2.27E-04	2.26E-04	7.69E-08	2.32E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.67E-08	0.00E+00	0.00E+00	2.47E-08	4.66E-09	2.95E-08	4.56E-09	4.39E-09	6.79E-08
5273	477863.09	3865877.25	2.24E-04	2.28E-04	2.28E-04	7.74E-08	2.34E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.70E-08	0.00E+00	0.00E+00	2.49E-08	4.69E-09	2.97E-08	4.59E-09	4.42E-09	6.83E-08
5274	478363.09	3865877.25	2.26E-04	2.31E-04	2.30E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.26E-07	5.77E-08	5.77E-08	0.00E+00	0.00E+00	2.52E-08	4.74E-09	3.01E-08	4.63E-09	4.46E-09	6.90E-08
5275	478863.09	3865877.25	2.29E-04	2.33E-04	2.33E-04	7.92E-08	2.39E-07	1.38E-07	1.41E-07	1.28E-07	5.84E-08	5.83E-08	0.00E+00	0.00E+00	2.55E-08	4.79E-09	3.04E-08	4.69E-09	4.52E-09	6.99E-08
5276	479363.09	3865877.25	2.31E-04	2.36E-04	2.36E-04	8.01E-08	2.42E-07	1.40E-07	1.43E-07	1.29E-07	5.91E-08	5.90E-08	0.00E+00	0.00E+00	2.57E-08	4.85E-09	3.08E-08	4.74E-09	4.57E-09	7.07E-08
5277	479863.09	3865877.25	2.33E-04	2.38E-04	2.37E-04	8.06E-08	2.43E-07	1.41E-07	1.44E-07	1.30E-07	5.94E-08	5.94E-08	0.00E+00	0.00E+00	2.59E-08	4.88E-09	3.10E-08	4.77E-09	4.60E-09	7.11E-08
5278	480363.09	3865877.25	2.34E-04	2.39E-04	2.39E-04	8.11E-08	2.45E-07	1.42E-07	1.45E-07	1.31E-07	5.98E-08	5.98E-08	0.00E+00	0.00E+00	2.61E-08	4.91E-09	3.12E-08	4.80E-09	4.63E-09	7.16E-08
5279	480863.09	3865877.25	2.36E-04	2.41E-04	2.41E-04	8.18E-08	2.47E-07	1.43E-07	1.46E-07	1.32E-07	6.04E-08	6.03E-08	0.00E+00	0.00E+00	2.63E-08	4.95E-09	3.14E-08	4.85E-09	4.67E-09	7.22E-08
5280	481363.09	3865877.25	2.37E-04	2.42E-04	2.42E-04	8.22E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.07E-08	6.06E-08	0.00E+00	0.00E+00	2.64E-08	4.98E-09	3.16E-08	4.87E-09	4.69E-09	7.26E-08
5281	481863.09	3865877.25	2.39E-04	2.44E-04	2.43E-04	8.26E-08	2.49E-07	1.44E-07	1.47E-07	1.34E-07	6.10E-08	6.09E-08	0.00E+00	0.00E+00	2.66E-08	5.00E-09	3.17E-08	4.89E-09	4.71E-09	7.29E-08
5282	482363.09	3865877.25	2.41E-04	2.46E-04	2.45E-04	8.33E-08	2.52E-07	1.46E-07	1.49E-07	1.35E-07	6.15E-08	6.14E-08	0.00E+00	0.00E+00	2.68E-08	5.05E-09	3.20E-08	4.94E-09	4.76E-09	7.35E-08
5283	482863.09	3865877.25	2.44E-04	2.49E-04	2.49E-04	8.46E-08	2.55E-07	1.48E-07	1.51E-07	1.37E-07	6.24E-08	6.23E-08	0.00E+00	0.00E+00	2.72E-08	5.12E-09	3.25E-08	5.01E-09	4.82E-09	7.46E-08
5284	483363.09	3865877.25	2.50E-04	2.55E-04	2.55E-04	8.66E-08	2.61E-07	1.51E-07	1.54E-07	1.40E-07	6.39E-08	6.38E-08	0.00E+00	0.00E+00	2.78E-08	5.24E-09	3.33E-08	5.13E-09	4.94E-09	7.64E-08
5285	483863.09	3865877.25	2.58E-04	2.63E-04	2.63E-04	8.93E-08	2.69E-07	1.56E-07	1.59E-07	1.44E-07	6.58E-08	6.58E-08	0.00E+00	0.00E+00	2.87E-08	5.40E-09	3.43E-08	5.29E-09	5.09E-09	7.88E-08
5286	484363.09	3865877.25	2.67E-04	2.72E-04	2.72E-04	9.24E-08	2.79E-07	1.62E-07	1.65E-07	1.49E-07	6.82E-08	6.81E-08	0.00E+00	0.00E+00	2.97E-08	5.59E-09	3.55E-08	5.47E-09	5.27E-09	8.16E-08
5287	484863.09	3865877.25	2.76E-04	2.82E-04	2.81E-04	9.56E-08	2.89E-07	1.67E-07	1.70E-07	1.55E-07	7.05E-08	7.04E-08	0.00E+00	0.00E+00	3.07E-08	5.79E-09	3.67E-08	5.66E-09	5.45E-09	8.44E-08
5288	485363.09	3865877.25	2.85E-04	2.91E-04	2.91E-04	9.87E-08	2.98E-07	1.73E-07	1.76E-07	1.60E-07	7.28E-08	7.28E-08	0.00E+00	0.00E+00	3.18E-08	5.98E-09	3.79E-08	5.85E-09	5.63E-09	8.71E-08
5289	485863.09	3865877.25	2.93E-04	2.99E-04	2.99E-04	1.02E-07	3.07E-07	1.78E-07	1.81E-07	1.64E-07	7.50E-08	7.49E-08	0.00E+00	0.00E+00	3.27E-08	6.15E-09	3.90E-08	6.02E-09	5.80E-09	8.97E-08
5290	486363.09	3865877.25	3.00E-04	3.06E-04	3.06E-04	1.04E-07	3.14E-07	1.82E-07	1.85E-07	1.68E-07	7.67E-08	7.66E-08	0.00E+00	0.00E+00	3.34E-08	6.29E-09	3.99E-08	6.16E-09	5.93E-09	9.17E-08
5291	486863.09	3865877.25	3.06E-04	3.13E-04	3.12E-04	1.06E-07	3.20E-07	1.85E-07	1.89E-07	1.72E-07	7.83E-08	7.82E-08	0.00E+00	0.00E+00	3.41E-08	6.42E-09	4.08E-08	6.28E-09	6.05E-09	9.36E-08
5292	487363.09	3865877.25	3.13E-04	3.20E-04	3.19E-04	1.08E-07	3.27E-07	1.90E-07	1.93E-07	1.75E-07	8.00E-08	7.99E-08	0.00E+00	0.00E+00	3.49E-08	6.56E-09	4.17E-08	6.42E-09	6.19E-09	9.57E-08
5293	487863.09	3865877.25	3.19E-04	3.25E-04	3.25E-04	1.10E-07	3.33E-07	1.93E-07	1.97E-07	1.78E-07	8.14E-08	8.13E-08	0.00E+00	0.00E+00	3.55E-08	6.68E-09	4.24E-08	6.54E-09	6.30E-09	9.74E-08
5294	488363.09	3865877.25	3.23E-04	3.29E-04	3.29E-04	1.12E-07	3.37E-07	1.95E-07	1.99E-07	1.81E-07	8.24E-08	8.23E-08	0.00E+00	0.00E+00	3.59E-08	6.76E-09	4.29E-08	6.62E-09	6.37E-09	9.86E-08
5295	488863.09	3865877.25	3.26E-04	3.33E-04	3.32E-04	1.13E-07	3.41E-07	1.97E-07	2.01E-07	1.82E-07	8.32E-08	8.31E-08	0.00E+00	0.00E+00	3.63E-08	6.83E-09	4.33E-08	6.68E-09	6.44E-09	9.96E-08
5296	489363.09	3865877.25	3.27E-04	3.34E-04	3.33E-04	1.13E-07	3.42E-07	1.98E-07	2.02E-07	1.83E-07	8.35E-08	8.34E-08	0.00E+00	0.00E+00	3.64E-08	6.85E-09	4.35E-08	6.71E-09	6.46E-09	9.99E-08
5297	489863.09	3865877.25	3.28E-04	3.34E-04	3.34E-04	1.13E-07	3.42E-07	1.98E-07	2.02E-07	1.83E-07	8.37E-08	8.36E-08	0.00E+00	0.00E+00	3.65E-08	6.87E-09	4.36E-08	6.72E-09	6.47E-09	1.00E-07
5298	490363.09	3865877.25	3.27E-04	3.34E-04	3.34E-04	1.13E-07	3.42E-07	1.98E-07	2.02E-07	1.83E-07	8.36E-08	8.35E-08	0.00E+00	0.00E+00	3.64E-08	6.86E-09	4.35E-08	6.71E-09	6.47E-09	1.00E-07
5299	490863.09	3865877.25	3.10E-04	3.16E-04	3.16E-04	1.07E-07	3.24E-07	1.88E-07	1.91E-07	1.73E-07	7.92E-08	7.91E-08	0.00E+00	0.00E+00	3.45E-08	6.50E-09	4.12E-08	6.36E-09	6.12E-09	9.47E-08
5300	491363.09	3865877.25	2.88E-04	2.94E-04	2.93E-04	9.97E-08	3.01E-07	1.74E-07	1.78E-07	1.61E-07	7.35E-08	7.34E-08	0.00E+00	0.00E+00	3.20E-08	6.03E-09	3.83E-08	5.90E-09	5.69E-09	8.80E-08
5301	491863.09	3865877.25	2.79E-04	2.85E-04	2.85E-04	9.67E-08	2.92E-07	1.69E-07	1.72E-07	1.56E-07	7.13E-08	7.13E-08	0.00E+00	0.00E+00	3.11E-08	5.85E-09	3.71E-08	5.73E-09	5.52E-09	8.53E-08
5302	492363.09	3865877.25	2.64E-04	2.70E-04	2.69E-04	9.15E-08	2.76E-07	1.60E-07	1.63E-07	1.48E-07	6.75E-08	6.74E-08	0.00E+00	0.00E+00	2.94E-08	5.54E-09	3.51E-08	5.42E-09	5.22E-09	8.08E-08
5303	492863.09	3865877.25	2.00E-04	2.04E-04	2.04E-04	6.94E-08	2.09E-07	1.21E-07	1.24E-07	1.12E-07	5.12E-08	5.11E-08	0.00E+00	0.00E+00	2.23E-08	4.20E-09	2.66E-08	4.11E-09	3.96E-09	6.12E-08
5304	493363.09	3865877.25	1.96E-04	2.00E-04	1.99E-04	6.77E-08	2.05E-07	1.18E-07	1.21E-07	1.10E-07	5.00E-08	4.99E-08	0.00E+00	0.00E+00	2.18E-08	4.10E-09	2.60E-08	4.01E-09	3.86E-09	5.98E-08
5305	493863.09	3865877.25	2.23E-04	2.28E-04	2.27E-04	7.72E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.70E-08	5.69E-08	0.00E+00	0.00E+00	2.48E-08	4.67E-09	2.97E-08	4.57E-09	4.41E-09	6.81E-08
5306	494363.09	3865877.25	2.58E-04	2.63E-04	2.63E-04	8.93E-08	2.69E-07	1.56E-07	1.59E-07	1.44E-07	6.58E-08	6.58E-08	0.00E+00	0.00E+00	2.87E-08	5.40E-09	3.43E-08	5.29E-09	5.09E-09	7.88E-08
5307	494863.09	3865877.25	3.01E-04	3.08E-04	3.07E-04	1.04E-07	3.15E-07	1.82E-07	1.86E-07	1.69E-07	7.70E-08	7.69E-08	0.00E+00	0.00E+00	3.36E-08	6.32E-09	4.01E-08	6.18E-09	5.95E-09	9.21E-08
5308	495363.09	3865877.25	3.04E-04	3.10E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.76E-08	7.75E-08	0.00E+00	0.00E+00	3.38E-08	6.37E-09	4.04E-08	6.23E-09	6.00E-09	9.28E-08
5309	495863.09	3865877.25	3.06E-04	3.12E-04	3.12E-04	1.06E-07	3.20E-07	1.85E-07	1.89E-07	1.71E-07	7.82E-08	7.81E-08	0.00E+00	0.00E+00	3.41E-08	6.42E-09	4.07E-08	6.28E-09	6.05E-09	9.35E-08
5310	496363.09	3865877.25	3.07E-04	3.14E-04	3.13E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.85E-08	7.84E-08	0.00E+00	0.00E+00	3.42E-08	6.44E-09	4.09E-08	6.30E-09	6.07E-09	9.39E-08
5311	496863.09	3865877.25	3.04E-04	3.10E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.76E-08	7.75E-08	0.00E+00	0.00E+00	3.38E-08	6.37E-09	4.04E-08	6.23E-09	6.00E-09	9.28E-08
5312	497363.09	3865877.25	3.14E-04	3.20E-04	3.20E-04	1.09E-07	3.28E-07	1.90E-07	1.94E-07	1.76E-07	8.01E-08	8.00E-08	0.00E+00	0.00E+00	3.49E-08	6.58E-09	4.17E-08	6.44E-09	6.20E-09	9.59E-08
5313	497863.09	3865877.25	3.06E-04	3.12E-04	3.11E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.71E-07	7.80E-08	7.79E-08	0.00E+00	0.00E+00	3.40E-08	6.40E-09	4.06E-08	6.27E-09	6.04E-09	9.34E-08

5314	498363.09	3865877.25	2.85E-04	2.91E-04	2.91E-04	9.87E-08	2.98E-07	1.73E-07	1.76E-07	1.60E-07	7.28E-08	7.28E-08	0.00E+00	0.00E+00	3.18E-08	5.98E-09	3.79E-08	5.85E-09	5.63E-09	8.71E-08
5315	471363.09	3866377.25	1.75E-04	1.79E-04	1.79E-04	6.07E-08	1.83E-07	1.06E-07	1.08E-07	9.81E-08	4.48E-08	4.47E-08	0.00E+00	0.00E+00	1.95E-08	3.67E-09	2.33E-08	3.60E-09	3.46E-09	5.36E-08
5316	471863.09	3866377.25	1.79E-04	1.83E-04	1.82E-04	6.19E-08	1.87E-07	1.08E-07	1.10E-07	1.00E-07	4.57E-08	4.56E-08	0.00E+00	0.00E+00	1.99E-08	3.75E-09	2.38E-08	3.67E-09	3.53E-09	5.46E-08
5317	472363.09	3866377.25	1.82E-04	1.86E-04	1.86E-04	6.31E-08	1.91E-07	1.10E-07	1.13E-07	1.02E-07	4.66E-08	4.65E-08	0.00E+00	0.00E+00	2.03E-08	3.82E-09	2.43E-08	3.74E-09	3.60E-09	5.57E-08
5318	472863.09	3866377.25	1.85E-04	1.89E-04	1.88E-04	6.40E-08	1.93E-07	1.12E-07	1.14E-07	1.03E-07	4.72E-08	4.71E-08	0.00E+00	0.00E+00	2.06E-08	3.87E-09	2.46E-08	3.79E-09	3.65E-09	5.64E-08
5319	473363.09	3866377.25	1.88E-04	1.92E-04	1.92E-04	6.52E-08	1.97E-07	1.14E-07	1.16E-07	1.05E-07	4.81E-08	4.80E-08	0.00E+00	0.00E+00	2.10E-08	3.95E-09	2.50E-08	3.86E-09	3.72E-09	5.75E-08
5320	473863.09	3866377.25	1.92E-04	1.96E-04	1.96E-04	6.64E-08	2.00E-07	1.16E-07	1.18E-07	1.07E-07	4.90E-08	4.89E-08	0.00E+00	0.00E+00	2.14E-08	4.02E-09	2.55E-08	3.93E-09	3.79E-09	5.86E-08
5321	474363.09	3866377.25	1.95E-04	1.99E-04	1.99E-04	6.76E-08	2.04E-07	1.18E-07	1.21E-07	1.09E-07	4.99E-08	4.98E-08	0.00E+00	0.00E+00	2.17E-08	4.09E-09	2.60E-08	4.01E-09	3.86E-09	5.97E-08
5322	474863.09	3866377.25	1.99E-04	2.03E-04	2.02E-04	6.87E-08	2.08E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	5.07E-08	0.00E+00	0.00E+00	2.21E-08	4.16E-09	2.64E-08	4.07E-09	3.92E-09	6.07E-08
5323	475363.09	3866377.25	2.01E-04	2.05E-04	2.05E-04	6.96E-08	2.10E-07	1.22E-07	1.24E-07	1.12E-07	5.13E-08	5.13E-08	0.00E+00	0.00E+00	2.24E-08	4.21E-09	2.67E-08	4.12E-09	3.97E-09	6.14E-08
5324	475863.09	3866377.25	2.03E-04	2.07E-04	2.07E-04	7.03E-08	2.12E-07	1.23E-07	1.25E-07	1.14E-07	5.18E-08	5.18E-08	0.00E+00	0.00E+00	2.26E-08	4.25E-09	2.70E-08	4.16E-09	4.01E-09	6.20E-08
5325	476363.09	3866377.25	2.07E-04	2.11E-04	2.11E-04	7.17E-08	2.17E-07	1.25E-07	1.28E-07	1.16E-07	5.29E-08	5.28E-08	0.00E+00	0.00E+00	2.31E-08	4.34E-09	2.75E-08	4.25E-09	4.09E-09	6.33E-08
5326	476863.09	3866377.25	2.01E-04	2.05E-04	2.05E-04	6.97E-08	2.10E-07	1.22E-07	1.24E-07	1.13E-07	5.14E-08	5.13E-08	0.00E+00	0.00E+00	2.24E-08	4.22E-09	2.68E-08	4.13E-09	3.98E-09	6.15E-08
5327	477363.09	3866377.25	2.09E-04	2.13E-04	2.13E-04	7.24E-08	2.19E-07	1.27E-07	1.29E-07	1.17E-07	5.34E-08	5.34E-08	0.00E+00	0.00E+00	2.33E-08	4.38E-09	2.78E-08	4.29E-09	4.13E-09	6.39E-08
5328	477863.09	3866377.25	2.12E-04	2.16E-04	2.16E-04	7.34E-08	2.22E-07	1.28E-07	1.31E-07	1.19E-07	5.42E-08	5.41E-08	0.00E+00	0.00E+00	2.36E-08	4.45E-09	2.82E-08	4.35E-09	4.19E-09	6.48E-08
5329	478363.09	3866377.25	2.14E-04	2.18E-04	2.18E-04	7.40E-08	2.23E-07	1.29E-07	1.32E-07	1.20E-07	5.46E-08	5.45E-08	0.00E+00	0.00E+00	2.38E-08	4.48E-09	2.84E-08	4.38E-09	4.22E-09	6.53E-08
5330	478863.09	3866377.25	2.16E-04	2.20E-04	2.20E-04	7.48E-08	2.26E-07	1.31E-07	1.33E-07	1.21E-07	5.52E-08	5.51E-08	0.00E+00	0.00E+00	2.40E-08	4.53E-09	2.87E-08	4.43E-09	4.27E-09	6.60E-08
5331	479363.09	3866377.25	2.18E-04	2.23E-04	2.22E-04	7.55E-08	2.28E-07	1.32E-07	1.35E-07	1.22E-07	5.57E-08	5.56E-08	0.00E+00	0.00E+00	2.43E-08	4.57E-09	2.90E-08	4.47E-09	4.31E-09	6.66E-08
5332	479863.09	3866377.25	2.20E-04	2.24E-04	2.24E-04	7.60E-08	2.29E-07	1.33E-07	1.36E-07	1.23E-07	5.61E-08	5.60E-08	0.00E+00	0.00E+00	2.44E-08	4.60E-09	2.92E-08	4.50E-09	4.34E-09	6.71E-08
5333	480363.09	3866377.25	2.21E-04	2.25E-04	2.25E-04	7.64E-08	2.31E-07	1.34E-07	1.36E-07	1.24E-07	5.64E-08	5.63E-08	0.00E+00	0.00E+00	2.46E-08	4.63E-09	2.93E-08	4.53E-09	4.36E-09	6.74E-08
5334	480863.09	3866377.25	2.21E-04	2.26E-04	2.26E-04	7.66E-08	2.31E-07	1.34E-07	1.37E-07	1.24E-07	5.65E-08	5.64E-08	0.00E+00	0.00E+00	2.46E-08	4.64E-09	2.94E-08	4.54E-09	4.37E-09	6.76E-08
5335	481363.09	3866377.25	2.22E-04	2.27E-04	2.27E-04	7.70E-08	2.33E-07	1.35E-07	1.37E-07	1.25E-07	5.68E-08	5.67E-08	0.00E+00	0.00E+00	2.48E-08	4.66E-09	2.96E-08	4.56E-09	4.39E-09	6.80E-08
5336	481863.09	3866377.25	2.24E-04	2.28E-04	2.28E-04	7.74E-08	2.34E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.70E-08	0.00E+00	0.00E+00	2.49E-08	4.69E-09	2.97E-08	4.59E-09	4.42E-09	6.83E-08
5337	482363.09	3866377.25	2.27E-04	2.31E-04	2.31E-04	7.84E-08	2.37E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.78E-08	0.00E+00	0.00E+00	2.52E-08	4.75E-09	3.01E-08	4.65E-09	4.48E-09	6.92E-08
5338	482863.09	3866377.25	2.31E-04	2.36E-04	2.36E-04	8.01E-08	2.42E-07	1.40E-07	1.43E-07	1.29E-07	5.91E-08	5.90E-08	0.00E+00	0.00E+00	2.57E-08	4.85E-09	3.08E-08	4.74E-09	4.57E-09	7.07E-08
5339	483363.09	3866377.25	2.36E-04	2.41E-04	2.41E-04	8.18E-08	2.47E-07	1.43E-07	1.46E-07	1.32E-07	6.04E-08	6.03E-08	0.00E+00	0.00E+00	2.63E-08	4.95E-09	3.14E-08	4.85E-09	4.67E-09	7.22E-08
5340	483863.09	3866377.25	2.43E-04	2.48E-04	2.47E-04	8.40E-08	2.54E-07	1.47E-07	1.50E-07	1.36E-07	6.20E-08	6.19E-08	0.00E+00	0.00E+00	2.70E-08	5.09E-09	3.23E-08	4.98E-09	4.80E-09	7.42E-08
5341	484363.09	3866377.25	2.50E-04	2.55E-04	2.55E-04	8.66E-08	2.61E-07	1.51E-07	1.54E-07	1.40E-07	6.39E-08	6.38E-08	0.00E+00	0.00E+00	2.78E-08	5.24E-09	3.33E-08	5.13E-09	4.94E-09	7.64E-08
5342	484863.09	3866377.25	2.59E-04	2.64E-04	2.64E-04	8.97E-08	2.71E-07	1.57E-07	1.60E-07	1.45E-07	6.61E-08	6.61E-08	0.00E+00	0.00E+00	2.88E-08	5.43E-09	3.44E-08	5.31E-09	5.12E-09	7.91E-08
5343	485363.09	3866377.25	2.66E-04	2.72E-04	2.71E-04	9.22E-08	2.78E-07	1.61E-07	1.64E-07	1.49E-07	6.80E-08	6.79E-08	0.00E+00	0.00E+00	2.97E-08	5.58E-09	3.54E-08	5.46E-09	5.26E-09	8.14E-08
5344	485863.09	3866377.25	2.73E-04	2.78E-04	2.78E-04	9.45E-08	2.85E-07	1.65E-07	1.68E-07	1.53E-07	6.97E-08	6.96E-08	0.00E+00	0.00E+00	3.04E-08	5.72E-09	3.63E-08	5.60E-09	5.39E-09	8.34E-08
5345	486363.09	3866377.25	2.78E-04	2.84E-04	2.84E-04	9.64E-08	2.91E-07	1.68E-07	1.72E-07	1.56E-07	7.11E-08	7.10E-08	0.00E+00	0.00E+00	3.10E-08	5.84E-09	3.70E-08	5.71E-09	5.50E-09	8.51E-08
5346	486863.09	3866377.25	2.84E-04	2.90E-04	2.89E-04	9.82E-08	2.97E-07	1.72E-07	1.75E-07	1.59E-07	7.25E-08	7.24E-08	0.00E+00	0.00E+00	3.16E-08	5.95E-09	3.77E-08	5.82E-09	5.60E-09	8.67E-08
5347	487363.09	3866377.25	2.92E-04	2.98E-04	2.98E-04	1.01E-07	3.06E-07	1.77E-07	1.80E-07	1.64E-07	7.47E-08	7.46E-08	0.00E+00	0.00E+00	3.25E-08	6.13E-09	3.89E-08	5.99E-09	5.77E-09	8.93E-08
5348	487863.09	3866377.25	2.97E-04	3.03E-04	3.03E-04	1.03E-07	3.10E-07	1.80E-07	1.83E-07	1.66E-07	7.59E-08	7.58E-08	0.00E+00	0.00E+00	3.31E-08	6.22E-09	3.95E-08	6.09E-09	5.87E-09	9.07E-08
5349	488363.09	3866377.25	3.00E-04	3.06E-04	3.05E-04	1.04E-07	3.13E-07	1.81E-07	1.85E-07	1.68E-07	7.65E-08	7.64E-08	0.00E+00	0.00E+00	3.34E-08	6.28E-09	3.99E-08	6.15E-09	5.92E-09	9.16E-08
5350	488863.09	3866377.25	2.97E-04	3.03E-04	3.03E-04	1.03E-07	3.10E-07	1.80E-07	1.83E-07	1.66E-07	7.59E-08	7.58E-08	0.00E+00	0.00E+00	3.31E-08	6.22E-09	3.95E-08	6.09E-09	5.87E-09	9.07E-08
5351	489363.09	3866377.25	2.91E-04	2.97E-04	2.97E-04	1.01E-07	3.05E-07	1.76E-07	1.80E-07	1.63E-07	7.44E-08	7.43E-08	0.00E+00	0.00E+00	3.24E-08	6.11E-09	3.88E-08	5.98E-09	5.76E-09	8.90E-08
5352	489863.09	3866377.25	2.80E-04	2.85E-04	2.85E-04	9.68E-08	2.92E-07	1.69E-07	1.73E-07	1.57E-07	7.14E-08	7.13E-08	0.00E+00	0.00E+00	3.11E-08	5.86E-09	3.72E-08	5.73E-09	5.52E-09	8.54E-08
5353	490363.09	3866377.25	2.97E-04	3.03E-04	3.02E-04	1.03E-07	3.10E-07	1.80E-07	1.83E-07	1.66E-07	7.58E-08	7.57E-08	0.00E+00	0.00E+00	3.30E-08	6.22E-09	3.95E-08	6.09E-09	5.86E-09	9.07E-08
5354	490863.09	3866377.25	2.94E-04	3.00E-04	2.99E-04	1.02E-07	3.07E-07	1.78E-07	1.81E-07	1.64E-07	7.50E-08	7.49E-08	0.00E+00	0.00E+00	3.27E-08	6.16E-09	3.91E-08	6.02E-09	5.80E-09	8.98E-08
5355	491363.09	3866377.25	2.88E-04	2.94E-04	2.93E-04	9.97E-08	3.01E-07	1.74E-07	1.78E-07	1.61E-07	7.35E-08	7.34E-08	0.00E+00	0.00E+00	3.20E-08	6.03E-09	3.83E-08	5.90E-09	5.69E-09	8.80E-08
5356	491863.09	3866377.25	2.43E-04	2.47E-04	2.47E-04	8.39E-08	2.53E-07	1.47E-07	1.50E-07	1.36E-07	6.19E-08	6.19E-08	0.00E+00	0.00E+00	2.70E-08	5.08E-09	3.22E-08	4.97E-09	4.79E-09	7.41E-08
5357	492363.09	3866377.25	2.46E-04	2.51E-04	2.51E-04	8.53E-08	2.57E-07	1.49E-07	1.52E-07	1.38E-07	6.29E-08	6.28E-08	0.00E+00	0.00E+00	2.74E-08	5.16E-09	3.28E-08	5.05E-09	4.87E-09	7.53E-08
5358	492863.09	3866377.25	2.17E-04	2.22E-04	2.22E-04	7.53E-08	2.27E-07	1.32E-07	1.34E-07	1.22E-07	5.55E-08	5.55E-08	0.00E+00	0.00E+00	2.42E-08	4.56E-09	2.89E-08	4.46E-09	4.30E-09	6.64E-08
5359	493363.09	3866377.25	2.27E-04	2.32E-04	2.32E-04	7.86E-08	2.37E-07	1.37E-07	1.40E-07	1.27E-07	5.80E-08	5.80E-08	0.00E+00	0.00E+00	2.53E-08	4.76E-09	3.02E-08	4.66E-09	4.49E-09	6.94E-08
5360	493863.09	3866377.25	2.41E-04	2.46E-04	2.46E-04	8.35E-08	2.52E-07	1.46E-07	1.49E-07	1.35E-07	6.16E-08	6.16E-08	0.00E+00	0.00E+00	2.69E-08	5.06E-09	3.21E-08	4.95E-09	4.77E-09	7.37E-08
5361	494363.09	3866377.25	2.62E-04	2.68E-04	2.67E-04	9.08E-08	2.74E-07	1.59E-07	1.62E-07	1.47E-07	6.70E-08	6.69E-08	0.00E+00	0.00E+00	2.92E-08	5.50E-09	3.49E-08	5.38E-09	5.18E-09	8.01E-08
5362	494863.09	3866377.25	2.61E-04	2.66E-04	2.66E-04	9.03E-08	2.73E-07	1.58E-07	1.61E-07	1.46E-07	6.66E-08	6.65E-08	0.00E+00	0.00E+00	2.90E-08	5.47E-09	3.47E-08	5.35E-09	5.15E-09	7.97E-08
5363	495363.09	3866377.25	2.59E-04	2.64E-04	2.64E-04	8.96E-08	2.70E-07	1.57E-07	1.60E-07	1.45E-07	6.61E-08	6.60E-08	0.00E+00	0.00E+00	2.88E-08	5.42E-09	3.44E-08	5.31E-09	5.11E-09	7.90E-08
5364	495863.09	3866377.25	2.56E-04	2.61E-04	2.61E-04	8.85E-08	2.67E-07	1.55E-07	1.58E-07	1.43E-07	6.53E-08	6.52E-08	0.00E+00	0.00E+00	2.85E-08	5.36E-09	3.40E-08	5.25E-09	5.05E-09	7.81E-08
5365	496363.09	3866377.25	2.60E-04	2.66E-04	2.65E-04	9.01E-08	2.72E-07	1.57E-07	1.61E-07	1.46E-07	6.64E-08	6.64E-08	0.00E+00	0.00E+00	2.90E-08	5.45E-09	3.46E-08	5.34E-09	5.14E-09	7.95E-08
5366	496863.09	3866377.25	2.57E-04	2.62E-04	2.62E-04	8.89E-08	2.69E-07	1.55E-07	1.59E-07	1.44E-07	6.56E-08	6.55E-08	0.00E+00	0.00E+00	2.86E-08	5.38E-09	3.42E-08	5.27E-09	5.08E-09	7.85E-08
5367	497363.09	3866377.25	2.63E-04	2.68E-04	2.68E-04	9.10E-08	2.75E-07	1.59E-07	1.62E-07	1.47E-07	6.71E-08	6.70E-08	0.00E+00	0.00E+00	2.93E-08	5.51E-09	3.50E-08	5.39E-09	5.19E-09	8.03E-08
5368	497863.09	3866377.25	2.74E-04	2.79E-04	2.79E-04	9.48E-08	2.86E-07	1.66E-07	1.69E-07	1.53E-07	6.99E-08	6.98E-08	0.00E+00	0.00E+00	3.05E-08	5.74E-09	3.64E-08	5.61E-09	5.41E-09	8.36E-08
5369	498363.09	3866377.25	2.39E-04	2.44E-04	2.44E-04	8.27E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	6.10E-08	6.10E-08	0.00E+00	0.00E+00	2.66E-08	5.01E-09	3.18E-08	4.90E-09	4.72E-09	7.30E-08

5370	474494.92	3848334.16	8.93E-02	9.12E-02	9.10E-02	3.09E-05	9.34E-05	5.41E-05	5.52E-05	5.00E-05	2.28E-05	2.28E-05	0.00E+00	0.00E+00	9.94E-06	1.87E-06	1.19E-05	1.83E-06	1.76E-06	2.73E-05
5371	475167.27	3848920.79	9.91E-02	1.01E-01	1.01E-01	3.43E-05	1.04E-04	5.99E-05	6.12E-05	5.54E-05	2.53E-05	2.53E-05	0.00E+00	0.00E+00	1.10E-05	2.08E-06	1.32E-05	2.03E-06	1.96E-06	3.03E-05
5372	475297.89	3848997.96	1.02E-01	1.04E-01	1.04E-01	3.52E-05	1.06E-04	6.15E-05	6.28E-05	5.69E-05	2.60E-05	2.59E-05	0.00E+00	0.00E+00	1.13E-05	2.13E-06	1.35E-05	2.08E-06	2.01E-06	3.11E-05
5373	475439.05	3849062	1.01E-01	1.03E-01	1.03E-01	3.50E-05	1.06E-04	6.12E-05	6.24E-05	5.66E-05	2.58E-05	2.58E-05	0.00E+00	0.00E+00	1.13E-05	2.12E-06	1.34E-05	2.07E-06	2.00E-06	3.09E-05
5374	475486.86	3849061.09	7.90E-02	8.07E-02	8.06E-02	2.74E-05	8.26E-05	4.78E-05	4.88E-05	4.42E-05	2.02E-05	2.02E-05	0.00E+00	0.00E+00	8.80E-06	1.66E-06	1.05E-05	1.62E-06	1.56E-06	2.41E-05
5375	475538.46	3849075.56	7.82E-02	7.98E-02	7.97E-02	2.71E-05	8.17E-05	4.73E-05	4.83E-05	4.37E-05	2.00E-05	1.99E-05	0.00E+00	0.00E+00	8.70E-06	1.64E-06	1.04E-05	1.60E-06	1.54E-06	2.39E-05
5376	475751.79	3849137.15	1.05E-01	1.07E-01	1.07E-01	3.62E-05	1.09E-04	6.33E-05	6.46E-05	5.86E-05	2.67E-05	2.67E-05	0.00E+00	0.00E+00	1.16E-05	2.19E-06	1.39E-05	2.15E-06	2.07E-06	3.20E-05
5377	476303.62	3849223.38	1.19E-01	1.22E-01	1.22E-01	4.13E-05	1.25E-04	7.22E-05	7.37E-05	6.68E-05	3.05E-05	3.05E-05	0.00E+00	0.00E+00	1.33E-05	2.50E-06	1.59E-05	2.45E-06	2.36E-06	3.65E-05
5378	476304.51	3849238.92	1.14E-01	1.16E-01	1.16E-01	3.94E-05	1.19E-04	6.89E-05	7.03E-05	6.37E-05	2.91E-05	2.90E-05	0.00E+00	0.00E+00	1.27E-05	2.39E-06	1.51E-05	2.33E-06	2.25E-06	3.48E-05
5379	476365.04	3849247.98	1.11E-01	1.14E-01	1.14E-01	3.86E-05	1.16E-04	6.74E-05	6.88E-05	6.24E-05	2.85E-05	2.84E-05	0.00E+00	0.00E+00	1.24E-05	2.33E-06	1.48E-05	2.28E-06	2.20E-06	3.40E-05
5380	476444.86	3849267.13	1.15E-01	1.17E-01	1.17E-01	3.97E-05	1.20E-04	6.93E-05	7.07E-05	6.41E-05	2.93E-05	2.92E-05	0.00E+00	0.00E+00	1.28E-05	2.40E-06	1.52E-05	2.35E-06	2.26E-06	3.50E-05
5381	476550.75	3849300.66	1.22E-01	1.25E-01	1.25E-01	4.24E-05	1.28E-04	7.41E-05	7.56E-05	6.85E-05	3.13E-05	3.12E-05	0.00E+00	0.00E+00	1.36E-05	2.57E-06	1.63E-05	2.51E-06	2.42E-06	3.74E-05
5382	476656.71	3849346.88	1.25E-01	1.28E-01	1.28E-01	4.34E-05	1.31E-04	7.58E-05	7.74E-05	7.01E-05	3.20E-05	3.20E-05	0.00E+00	0.00E+00	1.39E-05	2.63E-06	1.67E-05	2.57E-06	2.47E-06	3.83E-05
5383	476873.55	3849454.53	1.14E-01	1.17E-01	1.17E-01	3.96E-05	1.20E-04	6.93E-05	7.07E-05	6.41E-05	2.92E-05	2.92E-05	0.00E+00	0.00E+00	1.27E-05	2.40E-06	1.52E-05	2.35E-06	2.26E-06	3.50E-05
5384	477700	3849859.7	8.08E-02	8.25E-02	8.24E-02	2.80E-05	8.45E-05	4.89E-05	4.99E-05	4.52E-05	2.06E-05	2.06E-05	0.00E+00	0.00E+00	9.00E-06	1.69E-06	1.07E-05	1.66E-06	1.60E-06	2.47E-05
5385	477743.16	3849856.38	1.13E-01	1.16E-01	1.16E-01	3.92E-05	1.19E-04	6.86E-05	7.00E-05	6.35E-05	2.90E-05	2.89E-05	0.00E+00	0.00E+00	1.26E-05	2.38E-06	1.51E-05	2.33E-06	2.24E-06	3.46E-05
5386	478477.35	3850216.33	1.05E-01	1.07E-01	1.07E-01	3.64E-05	1.10E-04	6.37E-05	6.50E-05	5.89E-05	2.69E-05	2.69E-05	0.00E+00	0.00E+00	1.17E-05	2.21E-06	1.40E-05	2.16E-06	2.08E-06	3.22E-05
5387	478485.8	3850201.6	9.78E-02	9.98E-02	9.96E-02	3.38E-05	1.02E-04	5.92E-05	6.04E-05	5.47E-05	2.50E-05	2.49E-05	0.00E+00	0.00E+00	1.09E-05	2.05E-06	1.30E-05	2.00E-06	1.93E-06	2.99E-05
5388	479113.21	3850501.53	9.09E-02	9.28E-02	9.27E-02	3.15E-05	9.51E-05	5.50E-05	5.62E-05	5.09E-05	2.32E-05	2.32E-05	0.00E+00	0.00E+00	1.01E-05	1.91E-06	1.21E-05	1.87E-06	1.80E-06	2.78E-05
5389	479108.11	3850382.28	4.46E-02	4.55E-02	4.54E-02	1.54E-05	4.66E-05	2.70E-05	2.75E-05	2.49E-05	1.14E-05	1.14E-05	0.00E+00	0.00E+00	4.96E-06	9.34E-07	5.93E-06	9.14E-07	8.80E-07	1.36E-05
5390	479689.85	3850674.28	4.73E-02	4.83E-02	4.82E-02	1.64E-05	4.94E-05	2.86E-05	2.92E-05	2.65E-05	1.21E-05	1.21E-05	0.00E+00	0.00E+00	5.27E-06	9.91E-07	6.29E-06	9.70E-07	9.34E-07	1.45E-05
5391	479952.42	3850774.28	4.22E-02	4.31E-02	4.31E-02	1.46E-05	4.41E-05	2.56E-05	2.61E-05	2.36E-05	1.08E-05	1.08E-05	0.00E+00	0.00E+00	4.70E-06	8.85E-07	5.62E-06	8.66E-07	8.34E-07	1.29E-05
5392	479911.32	3850884.85	9.20E-02	9.39E-02	9.38E-02	3.18E-05	9.62E-05	5.57E-05	5.68E-05	5.15E-05	2.35E-05	2.35E-05	0.00E+00	0.00E+00	1.02E-05	1.93E-06	1.22E-05	1.89E-06	1.82E-06	2.81E-05
5393	480500.92	3851178.12	9.87E-02	1.01E-01	1.01E-01	3.42E-05	1.03E-04	5.97E-05	6.09E-05	5.52E-05	2.52E-05	2.52E-05	0.00E+00	0.00E+00	1.10E-05	2.07E-06	1.31E-05	2.02E-06	1.95E-06	3.01E-05
5394	480738.01	3851289.27	9.46E-02	9.65E-02	9.64E-02	3.27E-05	9.88E-05	5.72E-05	5.84E-05	5.29E-05	2.41E-05	2.41E-05	0.00E+00	0.00E+00	1.05E-05	1.98E-06	1.26E-05	1.94E-06	1.87E-06	2.89E-05
5395	481055.42	3851443.58	9.45E-02	9.65E-02	9.63E-02	3.27E-05	9.88E-05	5.72E-05	5.84E-05	5.29E-05	2.41E-05	2.41E-05	0.00E+00	0.00E+00	1.05E-05	1.98E-06	1.26E-05	1.94E-06	1.87E-06	2.89E-05
5396	481110.22	3851443.15	7.32E-02	7.47E-02	7.46E-02	2.53E-05	7.65E-05	4.43E-05	4.52E-05	4.10E-05	1.87E-05	1.87E-05	0.00E+00	0.00E+00	8.15E-06	1.53E-06	9.73E-06	1.50E-06	1.45E-06	2.24E-05
5397	481111.1	3851417.45	6.17E-02	6.30E-02	6.29E-02	2.14E-05	6.45E-05	3.74E-05	3.81E-05	3.46E-05	1.58E-05	1.57E-05	0.00E+00	0.00E+00	6.87E-06	1.29E-06	8.21E-06	1.27E-06	1.22E-06	1.89E-05
5398	482248.44	3852605.09	9.02E-02	9.21E-02	9.20E-02	3.12E-05	9.43E-05	5.46E-05	5.57E-05	5.05E-05	2.30E-05	2.30E-05	0.00E+00	0.00E+00	1.00E-05	1.89E-06	1.20E-05	1.85E-06	1.78E-06	2.76E-05
5399	482273.34	3852632.31	9.33E-02	9.52E-02	9.50E-02	3.23E-05	9.75E-05	5.64E-05	5.76E-05	5.22E-05	2.38E-05	2.38E-05	0.00E+00	0.00E+00	1.04E-05	1.95E-06	1.24E-05	1.91E-06	1.84E-06	2.85E-05
5400	482665.46	3853038.72	7.72E-02	7.87E-02	7.86E-02	2.67E-05	8.06E-05	4.67E-05	4.76E-05	4.32E-05	1.97E-05	1.97E-05	0.00E+00	0.00E+00	8.59E-06	1.62E-06	1.03E-05	1.58E-06	1.52E-06	2.36E-05
5401	483077.95	3853844.31	3.79E-03	3.87E-03	3.86E-03	1.31E-06	3.96E-06	2.29E-06	2.34E-06	2.12E-06	9.67E-07	9.66E-07	0.00E+00	0.00E+00	4.22E-07	7.94E-08	5.04E-07	7.77E-08	7.48E-08	1.16E-06
5402	483121.38	3853909.38	3.37E-03	3.44E-03	3.44E-03	1.17E-06	3.53E-06	2.04E-06	2.08E-06	1.89E-06	8.61E-07	8.60E-07	0.00E+00	0.00E+00	3.75E-07	7.07E-08	4.49E-07	6.92E-08	6.66E-08	1.03E-06
5403	483492.64	3853911.49	3.33E-03	3.40E-03	3.40E-03	1.15E-06	3.48E-06	2.02E-06	2.06E-06	1.87E-06	8.51E-07	8.50E-07	0.00E+00	0.00E+00	3.71E-07	6.98E-08	4.43E-07	6.83E-08	6.58E-08	1.02E-06
5404	483498.29	3854204.73	2.35E-03	2.39E-03	2.39E-03	8.12E-07	2.45E-06	1.42E-06	1.45E-06	1.31E-06	5.99E-07	5.99E-07	0.00E+00	0.00E+00	2.61E-07	4.92E-08	3.12E-07	4.81E-08	4.63E-08	7.17E-07
5405	484132.44	3854662.55	1.38E-03	1.41E-03	1.41E-03	4.79E-07	1.45E-06	8.38E-07	8.55E-07	7.75E-07	3.54E-07	3.53E-07	0.00E+00	0.00E+00	1.54E-07	2.90E-08	1.84E-07	2.84E-08	2.73E-08	4.23E-07
5406	484627.62	3854876.13	1.33E-03	1.36E-03	1.36E-03	4.62E-07	1.39E-06	8.07E-07	8.24E-07	7.47E-07	3.41E-07	3.40E-07	0.00E+00	0.00E+00	1.48E-07	2.80E-08	1.77E-07	2.74E-08	2.63E-08	4.08E-07
5407	484756.14	3854949.04	1.32E-03	1.35E-03	1.34E-03	4.56E-07	1.38E-06	7.98E-07	8.14E-07	7.38E-07	3.37E-07	3.36E-07	0.00E+00	0.00E+00	1.47E-07	2.76E-08	1.75E-07	2.70E-08	2.60E-08	4.03E-07
5408	486697.51	3856599.17	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.90E-08	1.86E-08	1.18E-07	1.82E-08	1.76E-08	2.72E-07
5409	487105.31	3856962.27	9.10E-04	9.29E-04	9.28E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
5410	487157.57	3856901.7	9.12E-04	9.31E-04	9.30E-04	3.16E-07	9.53E-07	5.52E-07	5.63E-07	5.10E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.79E-07
5411	487173.5	3856853.74	9.09E-04	9.27E-04	9.26E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.78E-07
5412	487564.41	3856860.83	9.03E-04	9.21E-04	9.20E-04	3.13E-07	9.44E-07	5.46E-07	5.57E-07	5.05E-07	2.31E-07	2.30E-07	0.00E+00	0.00E+00	1.01E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.76E-07
5413	487563.31	3856931.58	9.11E-04	9.29E-04	9.28E-04	3.15E-07	9.52E-07	5.51E-07	5.62E-07	5.10E-07	2.33E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
5414	487782.7	3856926.85	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
5415	487782.39	3856757.07	9.06E-04	9.25E-04	9.24E-04	3.14E-07	9.47E-07	5.48E-07	5.60E-07	5.07E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.77E-07
5416	487917.26	3856752.41	9.11E-04	9.29E-04	9.28E-04	3.15E-07	9.52E-07	5.51E-07	5.62E-07	5.10E-07	2.33E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
5417	487919.57	3856953.35	9.29E-04	9.48E-04	9.47E-04	3.22E-07	9.71E-07	5.62E-07	5.74E-07	5.20E-07	2.37E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.84E-07
5418	487932.76	3857000.32	9.32E-04	9.51E-04	9.50E-04	3.23E-07	9.74E-07	5.64E-07	5.76E-07	5.22E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07
5419	487960.5	3857044.75	9.37E-04	9.56E-04	9.55E-04	3.24E-07	9.80E-07	5.67E-07	5.79E-07	5.25E-07	2.39E-07	2.39E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.25E-07	1.92E-08	1.85E-08	2.86E-07
5420	488016.54	3857089.54	9.44E-04	9.64E-04	9.63E-04	3.27E-07	9.87E-07	5.71E-07	5.83E-07	5.29E-07	2.41E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.98E-08	1.26E-07	1.94E-08	1.87E-08	2.89E-07
5421	488114.39	3857165.47	9.60E-04	9.80E-04	9.78E-04	3.32E-07	1.00E-06	5.81E-07	5.93E-07	5.37E-07	2.45E-07	2.45E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.28E-07	1.97E-08	1.90E-08	2.93E-07
5422	488171.49	3857234.24	9.78E-04	9.98E-04	9.96E-04	3.38E-07	1.02E-06	5.92E-07	6.04E-07	5.47E-07	2.50E-07	2.49E-07	0.00E+00	0.00E+00	1.09E-07	2.05E-08	1.30E-07	2.00E-08	1.93E-08	2.99E-07
5423	488193.16	3857297.8	9.97E-04	1.02E-03	1.02E-03	3.45E-07	1.04E-06	6.04E-07	6.16E-07	5.58E-07	2.55E-07	2.54E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.33E-07	2.05E-08	1.97E-08	3.05E-07
5424	488189.27	3857649.94	1.14E-03	1.16E-03	1.16E-03	3.94E-07	1.19E-06	6.89E-07	7.03E-07	6.37E-07	2.91E-07	2.90E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.51E-07	2.33E-08	2.25E-08	3.48E-07
5425	488127.43	3857732.32	1.17E-03	1.20E-03	1.20E-03	4.06E-07	1.23E-06	7.10E-07	7.24E-07	6.57E-07	3.00E-07	2.99E-07	0.00E+00	0.00E+00	1.31E-07	2.46E-08	1.56E-07	2.41E-08	2.32E-08	3.58E-07

5426	488149.93	3857752.94	1.19E-03	1.21E-03	1.21E-03	4.10E-07	1.24E-06	7.17E-07	7.32E-07	6.63E-07	3.03E-07	3.02E-07	0.00E+00	0.00E+00	1.32E-07	2.48E-08	1.58E-07	2.43E-08	2.34E-08	3.62E-07
5427	488144.76	3857758.71	1.19E-03	1.21E-03	1.21E-03	4.11E-07	1.24E-06	7.18E-07	7.33E-07	6.64E-07	3.03E-07	3.03E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.43E-08	2.34E-08	3.63E-07
5428	488335.58	3857932.55	1.36E-03	1.39E-03	1.39E-03	4.71E-07	1.42E-06	8.24E-07	8.41E-07	7.62E-07	3.48E-07	3.47E-07	0.00E+00	0.00E+00	1.52E-07	2.85E-08	1.81E-07	2.79E-08	2.69E-08	4.16E-07
5429	488372.29	3857943.79	1.38E-03	1.41E-03	1.41E-03	4.78E-07	1.44E-06	8.35E-07	8.53E-07	7.73E-07	3.53E-07	3.52E-07	0.00E+00	0.00E+00	1.54E-07	2.89E-08	1.84E-07	2.83E-08	2.73E-08	4.22E-07
5430	488828.64	3857936.4	1.42E-03	1.45E-03	1.45E-03	4.93E-07	1.49E-06	8.62E-07	8.79E-07	7.97E-07	3.64E-07	3.63E-07	0.00E+00	0.00E+00	1.59E-07	2.99E-08	1.89E-07	2.92E-08	2.81E-08	4.35E-07
5431	488829.08	3857959.58	1.45E-03	1.48E-03	1.47E-03	5.01E-07	1.51E-06	8.75E-07	8.93E-07	8.09E-07	3.69E-07	3.69E-07	0.00E+00	0.00E+00	1.61E-07	3.03E-08	1.92E-07	2.97E-08	2.86E-08	4.42E-07
5432	488351.61	3857964.55	1.40E-03	1.43E-03	1.42E-03	4.84E-07	1.46E-06	8.45E-07	8.63E-07	7.82E-07	3.57E-07	3.56E-07	0.00E+00	0.00E+00	1.56E-07	2.93E-08	1.86E-07	2.87E-08	2.76E-08	4.27E-07
5433	488316.87	3857947.65	1.37E-03	1.40E-03	1.40E-03	4.75E-07	1.43E-06	8.30E-07	8.47E-07	7.68E-07	3.50E-07	3.50E-07	0.00E+00	0.00E+00	1.53E-07	2.87E-08	1.82E-07	2.81E-08	2.71E-08	4.19E-07
5434	488129.1	3857775.77	1.19E-03	1.22E-03	1.22E-03	4.13E-07	1.25E-06	7.23E-07	7.37E-07	6.68E-07	3.05E-07	3.05E-07	0.00E+00	0.00E+00	1.33E-07	2.50E-08	1.59E-07	2.45E-08	2.36E-08	3.65E-07
5435	488062.53	3857846.13	1.23E-03	1.25E-03	1.25E-03	4.25E-07	1.28E-06	7.43E-07	7.59E-07	6.88E-07	3.14E-07	3.13E-07	0.00E+00	0.00E+00	1.37E-07	2.58E-08	1.63E-07	2.52E-08	2.43E-08	3.75E-07
5436	488330.41	3858091.34	1.51E-03	1.54E-03	1.54E-03	5.23E-07	1.58E-06	9.15E-07	9.33E-07	8.46E-07	3.86E-07	3.86E-07	0.00E+00	0.00E+00	1.68E-07	3.17E-08	2.01E-07	3.10E-08	2.99E-08	4.62E-07
5437	488470.87	3858174.45	1.69E-03	1.73E-03	1.73E-03	5.86E-07	1.77E-06	1.02E-06	1.05E-06	9.47E-07	4.32E-07	4.32E-07	0.00E+00	0.00E+00	1.88E-07	3.55E-08	2.25E-07	3.47E-08	3.34E-08	5.17E-07
5438	488568.9	3858262.31	1.89E-03	1.93E-03	1.93E-03	6.55E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.83E-07	4.83E-07	0.00E+00	0.00E+00	2.11E-07	3.97E-08	2.52E-07	3.88E-08	3.74E-08	5.78E-07
5439	488964.27	3858025.71	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.40E-07	8.52E-07	3.89E-07	3.88E-07	0.00E+00	0.00E+00	1.69E-07	3.19E-08	2.02E-07	3.12E-08	3.01E-08	4.65E-07
5440	489147.25	3857956.64	1.41E-03	1.44E-03	1.44E-03	4.89E-07	1.48E-06	8.54E-07	8.71E-07	7.90E-07	3.60E-07	3.60E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.89E-08	2.79E-08	4.31E-07
5441	489343.52	3857932.45	1.31E-03	1.33E-03	1.33E-03	4.52E-07	1.37E-06	7.90E-07	8.07E-07	7.31E-07	3.34E-07	3.33E-07	0.00E+00	0.00E+00	1.45E-07	2.74E-08	1.74E-07	2.68E-08	2.58E-08	3.99E-07
5442	489866.19	3857923.19	1.19E-03	1.22E-03	1.22E-03	4.14E-07	1.25E-06	7.23E-07	7.38E-07	6.69E-07	3.05E-07	3.05E-07	0.00E+00	0.00E+00	1.33E-07	2.50E-08	1.59E-07	2.45E-08	2.36E-08	3.65E-07
5443	489955.65	3857902.27	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.01E-07	7.16E-07	6.49E-07	2.96E-07	2.96E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.29E-08	3.54E-07
5444	490079.44	3857847.9	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.84E-07	6.98E-07	6.33E-07	2.89E-07	2.88E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.50E-07	2.32E-08	2.23E-08	3.45E-07
5445	490108.49	3857934.13	1.19E-03	1.22E-03	1.21E-03	4.12E-07	1.24E-06	7.20E-07	7.35E-07	6.66E-07	3.04E-07	3.04E-07	0.00E+00	0.00E+00	1.33E-07	2.50E-08	1.58E-07	2.44E-08	2.35E-08	3.64E-07
5446	489884.48	3858014.17	1.28E-03	1.31E-03	1.31E-03	4.45E-07	1.34E-06	7.77E-07	7.93E-07	7.19E-07	3.28E-07	3.28E-07	0.00E+00	0.00E+00	1.43E-07	2.69E-08	1.71E-07	2.63E-08	2.54E-08	3.92E-07
5447	489326.56	3858025.86	1.42E-03	1.45E-03	1.45E-03	4.92E-07	1.49E-06	8.60E-07	8.78E-07	7.96E-07	3.63E-07	3.63E-07	0.00E+00	0.00E+00	1.58E-07	2.98E-08	1.89E-07	2.92E-08	2.81E-08	4.34E-07
5448	489130.38	3858056.71	1.52E-03	1.55E-03	1.54E-03	5.24E-07	1.58E-06	9.17E-07	9.35E-07	8.48E-07	3.87E-07	3.86E-07	0.00E+00	0.00E+00	1.69E-07	3.18E-08	2.01E-07	3.11E-08	2.99E-08	4.63E-07
5449	488936.49	3858143.93	1.69E-03	1.72E-03	1.72E-03	5.83E-07	1.76E-06	1.02E-06	1.04E-06	9.43E-07	4.30E-07	4.30E-07	0.00E+00	0.00E+00	1.88E-07	3.53E-08	2.24E-07	3.46E-08	3.33E-08	5.15E-07
5450	488638.08	3858327.45	2.06E-03	2.10E-03	2.10E-03	7.12E-07	2.15E-06	1.24E-06	1.27E-06	1.15E-06	5.25E-07	5.25E-07	0.00E+00	0.00E+00	2.29E-07	4.31E-08	2.74E-07	4.22E-08	4.06E-08	6.29E-07
5451	488663.79	3858349.57	2.12E-03	2.17E-03	2.16E-03	7.35E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.42E-07	5.41E-07	0.00E+00	0.00E+00	2.36E-07	4.45E-08	2.82E-07	4.35E-08	4.19E-08	6.48E-07
5452	488694.56	3858349.5	2.13E-03	2.17E-03	2.17E-03	7.36E-07	2.22E-06	1.29E-06	1.31E-06	1.19E-06	5.43E-07	5.43E-07	0.00E+00	0.00E+00	2.37E-07	4.46E-08	2.83E-07	4.36E-08	4.20E-08	6.50E-07
5453	488694.35	3858336.75	2.09E-03	2.13E-03	2.13E-03	7.24E-07	2.19E-06	1.27E-06	1.29E-06	1.17E-06	5.34E-07	5.33E-07	0.00E+00	0.00E+00	2.33E-07	4.38E-08	2.78E-07	4.29E-08	4.13E-08	6.39E-07
5454	488712.81	3858336.38	2.09E-03	2.14E-03	2.13E-03	7.25E-07	2.19E-06	1.27E-06	1.29E-06	1.17E-06	5.35E-07	5.34E-07	0.00E+00	0.00E+00	2.33E-07	4.39E-08	2.78E-07	4.29E-08	4.14E-08	6.40E-07
5455	488713.23	3858367.46	2.18E-03	2.23E-03	2.23E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.58E-07	5.57E-07	0.00E+00	0.00E+00	2.43E-07	4.58E-08	2.91E-07	4.48E-08	4.32E-08	6.68E-07
5456	488704.63	3858384.05	2.24E-03	2.28E-03	2.28E-03	7.74E-07	2.34E-06	1.35E-06	1.38E-06	1.25E-06	5.71E-07	5.70E-07	0.00E+00	0.00E+00	2.49E-07	4.68E-08	2.97E-07	4.58E-08	4.42E-08	6.83E-07
5457	488604.15	3858488.29	2.59E-03	2.64E-03	2.64E-03	8.96E-07	2.71E-06	1.57E-06	1.60E-06	1.45E-06	6.61E-07	6.60E-07	0.00E+00	0.00E+00	2.88E-07	5.42E-08	3.44E-07	5.31E-08	5.11E-08	7.91E-07
5458	488605.66	3858550.47	2.87E-03	2.93E-03	2.93E-03	9.94E-07	3.00E-06	1.74E-06	1.77E-06	1.61E-06	7.33E-07	7.33E-07	0.00E+00	0.00E+00	3.20E-07	6.02E-08	3.82E-07	5.89E-08	5.67E-08	8.77E-07
5459	488692.68	3858548.71	2.97E-03	3.03E-03	3.02E-03	1.03E-06	3.10E-06	1.80E-06	1.83E-06	1.66E-06	7.58E-07	7.57E-07	0.00E+00	0.00E+00	3.30E-07	6.22E-08	3.95E-07	6.09E-08	5.86E-08	9.07E-07
5460	488759.93	3858461.81	2.55E-03	2.60E-03	2.60E-03	8.82E-07	2.66E-06	1.54E-06	1.57E-06	1.43E-06	6.50E-07	6.50E-07	0.00E+00	0.00E+00	2.84E-07	5.34E-08	3.39E-07	5.22E-08	5.03E-08	7.78E-07
5461	488816.57	3858541.79	3.00E-03	3.06E-03	3.06E-03	1.04E-06	3.14E-06	1.82E-06	1.85E-06	1.68E-06	7.66E-07	7.65E-07	0.00E+00	0.00E+00	3.34E-07	6.29E-08	3.99E-07	6.15E-08	5.92E-08	9.16E-07
5462	488944.63	3858656.77	4.06E-03	4.15E-03	4.14E-03	1.41E-06	4.25E-06	2.46E-06	2.51E-06	2.27E-06	1.04E-06	1.04E-06	0.00E+00	0.00E+00	4.52E-07	8.52E-08	5.40E-07	8.33E-08	8.03E-08	1.24E-06
5463	489134.91	3858830.7	1.30E-02	1.32E-02	1.32E-02	4.48E-06	1.35E-05	7.84E-06	8.00E-06	7.25E-06	3.31E-06	3.30E-06	0.00E+00	0.00E+00	1.44E-06	2.71E-07	1.72E-06	2.66E-07	2.56E-07	3.96E-06
5464	489193.99	3858886.05	2.05E-02	2.09E-02	2.09E-02	7.08E-06	2.14E-05	1.24E-05	1.26E-05	1.15E-05	5.23E-06	5.22E-06	0.00E+00	0.00E+00	2.28E-06	4.29E-07	2.72E-06	4.20E-07	4.04E-07	6.25E-06
5465	489295.2	3858954.34	2.72E-02	2.77E-02	2.77E-02	9.41E-06	2.84E-05	1.64E-05	1.68E-05	1.52E-05	6.94E-06	6.93E-06	0.00E+00	0.00E+00	3.03E-06	5.70E-07	3.62E-06	5.57E-07	5.37E-07	8.31E-06
5466	489295.64	3858992.74	3.45E-02	3.52E-02	3.51E-02	1.19E-05	3.60E-05	2.09E-05	2.13E-05	1.93E-05	8.80E-06	8.79E-06	0.00E+00	0.00E+00	3.84E-06	7.22E-07	4.58E-06	7.07E-07	6.81E-07	1.05E-05
5467	489183.74	3858911.72	2.60E-02	2.65E-02	2.65E-02	8.99E-06	2.71E-05	1.57E-05	1.60E-05	1.45E-05	6.63E-06	6.62E-06	0.00E+00	0.00E+00	2.89E-06	5.44E-07	3.45E-06	5.32E-07	5.13E-07	7.93E-06
5468	488873.37	3858625.59	3.71E-03	3.78E-03	3.78E-03	1.28E-06	3.87E-06	2.24E-06	2.29E-06	2.07E-06	9.47E-07	9.46E-07	0.00E+00	0.00E+00	4.13E-07	7.77E-08	4.93E-07	7.60E-08	7.32E-08	1.13E-06
5469	488842.84	3858658.69	4.08E-03	4.16E-03	4.16E-03	1.41E-06	4.27E-06	2.47E-06	2.52E-06	2.28E-06	1.04E-06	1.04E-06	0.00E+00	0.00E+00	4.54E-07	8.55E-08	5.43E-07	8.37E-08	8.06E-08	1.25E-06
5470	488856.39	3858670.93	4.26E-03	4.34E-03	4.34E-03	1.47E-06	4.45E-06	2.58E-06	2.63E-06	2.38E-06	1.09E-06	1.09E-06	0.00E+00	0.00E+00	4.74E-07	8.92E-08	5.66E-07	8.73E-08	8.41E-08	1.30E-06
5471	488805.7	3858724.5	5.14E-03	5.25E-03	5.24E-03	1.78E-06	5.37E-06	3.11E-06	3.17E-06	2.88E-06	1.31E-06	1.31E-06	0.00E+00	0.00E+00	5.72E-07	1.08E-07	6.84E-07	1.05E-07	1.02E-07	1.57E-06
5472	488805.87	3858804.16	7.97E-03	8.13E-03	8.12E-03	2.76E-06	8.33E-06	4.82E-06	4.92E-06	4.46E-06	2.03E-06	2.03E-06	0.00E+00	0.00E+00	8.87E-07	1.67E-07	1.06E-06	1.63E-07	1.57E-07	2.43E-06
5473	488995.78	3858936.96	7.31E-02	7.46E-02	7.45E-02	2.53E-05	7.64E-05	4.42E-05	4.51E-05	4.09E-05	1.87E-05	1.86E-05	0.00E+00	0.00E+00	8.14E-06	1.53E-06	9.72E-06	1.50E-06	1.44E-06	2.23E-05
5474	489130.76	3859017.38	8.20E-02	8.37E-02	8.36E-02	2.84E-05	8.57E-05	4.96E-05	5.06E-05	4.59E-05	2.09E-05	2.09E-05	0.00E+00	0.00E+00	9.13E-06	1.72E-06	1.09E-05	1.68E-06	1.62E-06	2.51E-05
5475	489130.92	3859052.24	7.25E-02	7.40E-02	7.39E-02	2.51E-05	7.58E-05	4.39E-05	4.48E-05	4.06E-05	1.85E-05	1.85E-05	0.00E+00	0.00E+00	8.07E-06	1.52E-06	9.64E-06	1.49E-06	1.43E-06	2.21E-05
5476	489200.33	3859090.6	9.23E-02	9.41E-02	9.40E-02	3.19E-05	9.64E-05	5.58E-05	5.70E-05	5.16E-05	2.36E-05	2.35E-05	0.00E+00	0.00E+00	1.03E-05	1.93E-06	1.23E-05	1.89E-06	1.82E-06	2.82E-05
5477	489296.07	3859143.7	9.94E-02	1.01E-01	1.01E-01	3.44E-05	1.04E-04	6.01E-05	6.14E-05	5.56E-05	2.54E-05	2.54E-05	0.00E+00	0.00E+00	1.11E-05	2.08E-06	1.32E-05	2.04E-06	1.96E-06	3.04E-05
5478	489296.43	3858954.74	2.72E-02	2.77E-02	2.77E-02	9.41E-06	2.84E-05	1.64E-05	1.68E-05	1.52E-05	6.94E-06	6.93E-06	0.00E+00	0.00E+00	3.03E-06	5.70E-07	3.61E-06	5.57E-07	5.37E-07	8.30E-06
5479	489410.33	3859033.19	3.22E-02	3.29E-02	3.29E-02	1.12E-05	3.37E-05	1.95E-05	1.99E-05	1.80E-05	8.23E-06	8.22E-06	0.00E+00	0.00E+00	3.59E-06	6.76E-07	4.29E-06	6.61E-07	6.37E-07	9.85E-06
5480	489371.37	3859089.8	4.96E-02	5.06E-02	5.06E-02	1.72E-05	5.19E-05	3.00E-05	3.06E-05	2.78E-05	1.27E-05	1.27E-05	0.00E+00	0.00E+00	5.52E-06	1.04E-06	6.60E-06	1.02E-06	9.80E-07	1.52E-05
5481	489390.52	3859102.82	5.06E-02	5.17E-02	5.16E-02	1.75E-05	5.29E-05	3.06E-05	3.13E-05	2.83E-05	1.29E-05	1.29E-05	0.00E+00	0.00E+00	5.64E-06	1.06E-06	6.73E-06	1.04E-06	1.00E-06	1.55E-05

5482	489382.3	3859114.53	5.65E-02	5.76E-02	5.76E-02	1.96E-05	5.90E-05	3.42E-05	3.49E-05	3.16E-05	1.44E-05	1.44E-05	0.00E+00	0.00E+00	6.29E-06	1.18E-06	7.51E-06	1.16E-06	1.12E-06	1.73E-05
5483	489363.04	3859102.45	5.57E-02	5.68E-02	5.67E-02	1.93E-05	5.82E-05	3.37E-05	3.44E-05	3.12E-05	1.42E-05	1.42E-05	0.00E+00	0.00E+00	6.20E-06	1.17E-06	7.40E-06	1.14E-06	1.10E-06	1.70E-05
5484	489337.52	3859140.71	8.58E-02	8.75E-02	8.74E-02	2.97E-05	8.96E-05	5.19E-05	5.29E-05	4.80E-05	2.19E-05	2.19E-05	0.00E+00	0.00E+00	9.55E-06	1.80E-06	1.14E-05	1.76E-06	1.69E-06	2.62E-05
5485	489375.14	3859164.55	9.05E-02	9.24E-02	9.23E-02	3.13E-05	9.46E-05	5.48E-05	5.59E-05	5.07E-05	2.31E-05	2.31E-05	0.00E+00	0.00E+00	1.01E-05	1.90E-06	1.20E-05	1.86E-06	1.79E-06	2.77E-05
5486	489409.3	3859114.5	5.14E-02	5.24E-02	5.23E-02	1.78E-05	5.37E-05	3.11E-05	3.17E-05	2.87E-05	1.31E-05	1.31E-05	0.00E+00	0.00E+00	5.72E-06	1.08E-06	6.83E-06	1.05E-06	1.01E-06	1.57E-05
5487	489434.87	3859131.81	5.30E-02	5.40E-02	5.40E-02	1.83E-05	5.54E-05	3.20E-05	3.27E-05	2.96E-05	1.35E-05	1.35E-05	0.00E+00	0.00E+00	5.89E-06	1.11E-06	7.04E-06	1.09E-06	1.05E-06	1.62E-05
5488	489471.87	3859075.75	3.45E-02	3.52E-02	3.52E-02	1.20E-05	3.61E-05	2.09E-05	2.13E-05	1.93E-05	8.82E-06	8.81E-06	0.00E+00	0.00E+00	3.84E-06	7.24E-07	4.59E-06	7.08E-07	6.82E-07	1.05E-05
5489	489602.62	3859164.69	3.95E-02	4.04E-02	4.03E-02	1.37E-05	4.13E-05	2.39E-05	2.44E-05	2.21E-05	1.01E-05	1.01E-05	0.00E+00	0.00E+00	4.40E-06	8.29E-07	5.26E-06	8.11E-07	7.81E-07	1.21E-05
5490	489558.29	3859232.45	7.02E-02	7.17E-02	7.16E-02	2.43E-05	7.34E-05	4.25E-05	4.34E-05	3.93E-05	1.79E-05	1.79E-05	0.00E+00	0.00E+00	7.82E-06	1.47E-06	9.34E-06	1.44E-06	1.39E-06	2.15E-05
5491	489620.11	3859273.56	7.55E-02	7.71E-02	7.70E-02	2.61E-05	7.89E-05	4.57E-05	4.66E-05	4.23E-05	1.93E-05	1.93E-05	0.00E+00	0.00E+00	8.41E-06	1.58E-06	1.00E-05	1.55E-06	1.49E-06	2.31E-05
5492	489666.06	3859206.42	4.18E-02	4.26E-02	4.26E-02	1.45E-05	4.37E-05	2.53E-05	2.58E-05	2.34E-05	1.07E-05	1.07E-05	0.00E+00	0.00E+00	4.65E-06	8.76E-07	5.56E-06	8.57E-07	8.25E-07	1.28E-05
5493	489787.9	3859285.65	4.58E-02	4.67E-02	4.67E-02	1.58E-05	4.78E-05	2.77E-05	2.83E-05	2.56E-05	1.17E-05	1.17E-05	0.00E+00	0.00E+00	5.10E-06	9.59E-07	6.09E-06	9.39E-07	9.04E-07	1.40E-05
5494	489752.17	3859343.13	7.53E-02	7.68E-02	7.68E-02	2.61E-05	7.87E-05	4.56E-05	4.65E-05	4.21E-05	1.92E-05	1.92E-05	0.00E+00	0.00E+00	8.38E-06	1.58E-06	1.00E-05	1.54E-06	1.49E-06	2.30E-05
5495	489814.94	3859385.33	8.12E-02	8.29E-02	8.28E-02	2.81E-05	8.49E-05	4.91E-05	5.01E-05	4.55E-05	2.07E-05	2.07E-05	0.00E+00	0.00E+00	9.04E-06	1.70E-06	1.08E-05	1.67E-06	1.60E-06	2.48E-05
5496	489853.42	3859330.74	4.86E-02	4.96E-02	4.95E-02	1.68E-05	5.08E-05	2.94E-05	3.00E-05	2.72E-05	1.24E-05	1.24E-05	0.00E+00	0.00E+00	5.41E-06	1.02E-06	6.46E-06	9.97E-07	9.60E-07	1.49E-05
5497	489969.5	3859401.91	5.16E-02	5.26E-02	5.26E-02	1.79E-05	5.39E-05	3.12E-05	3.18E-05	2.89E-05	1.32E-05	1.32E-05	0.00E+00	0.00E+00	5.74E-06	1.08E-06	6.86E-06	1.06E-06	1.02E-06	1.58E-05
5498	490166.91	3859486.96	4.79E-02	4.89E-02	4.88E-02	1.66E-05	5.01E-05	2.90E-05	2.96E-05	2.68E-05	1.22E-05	1.22E-05	0.00E+00	0.00E+00	5.33E-06	1.00E-06	6.37E-06	9.82E-07	9.46E-07	1.46E-05
5499	490128.86	3859571.46	1.11E-01	1.14E-01	1.13E-01	3.85E-05	1.16E-04	6.73E-05	6.87E-05	6.23E-05	2.84E-05	2.84E-05	0.00E+00	0.00E+00	1.24E-05	2.33E-06	1.48E-05	2.28E-06	2.20E-06	3.40E-05
5500	490186.65	3859593.65	1.13E-01	1.15E-01	1.15E-01	3.92E-05	1.18E-04	6.85E-05	6.99E-05	6.33E-05	2.89E-05	2.89E-05	0.00E+00	0.00E+00	1.26E-05	2.37E-06	1.50E-05	2.32E-06	2.23E-06	3.46E-05
5501	490223.74	3859517.48	4.96E-02	5.06E-02	5.05E-02	1.72E-05	5.18E-05	3.00E-05	3.06E-05	2.77E-05	1.27E-05	1.26E-05	0.00E+00	0.00E+00	5.52E-06	1.04E-06	6.59E-06	1.02E-06	9.79E-07	1.51E-05
5502	490846.34	3859817.22	7.34E-02	7.49E-02	7.48E-02	2.54E-05	7.67E-05	4.44E-05	4.53E-05	4.11E-05	1.88E-05	1.87E-05	0.00E+00	0.00E+00	8.17E-06	1.54E-06	9.76E-06	1.51E-06	1.45E-06	2.24E-05
5503	490925.65	3859844.59	6.81E-02	6.95E-02	6.94E-02	2.36E-05	7.11E-05	4.12E-05	4.20E-05	3.81E-05	1.74E-05	1.74E-05	0.00E+00	0.00E+00	7.58E-06	1.43E-06	9.05E-06	1.40E-06	1.34E-06	2.08E-05
5504	491159.29	3859896.28	4.94E-02	5.05E-02	5.04E-02	1.71E-05	5.17E-05	2.99E-05	3.05E-05	2.77E-05	1.26E-05	1.26E-05	0.00E+00	0.00E+00	5.50E-06	1.04E-06	6.58E-06	1.01E-06	9.77E-07	1.51E-05
5505	491370.69	3859960.89	3.71E-02	3.78E-02	3.78E-02	1.28E-05	3.87E-05	2.24E-05	2.29E-05	2.07E-05	9.47E-06	9.46E-06	0.00E+00	0.00E+00	4.13E-06	7.77E-07	4.93E-06	7.60E-07	7.32E-07	1.13E-05
5506	491330.28	3860063.17	5.85E-02	5.97E-02	5.96E-02	2.03E-05	6.12E-05	3.54E-05	3.61E-05	3.28E-05	1.49E-05	1.49E-05	0.00E+00	0.00E+00	6.51E-06	1.23E-06	7.78E-06	1.20E-06	1.16E-06	1.79E-05
5507	491636.45	3860180.75	3.72E-02	3.79E-02	3.79E-02	1.29E-05	3.89E-05	2.25E-05	2.30E-05	2.08E-05	9.50E-06	9.48E-06	0.00E+00	0.00E+00	4.14E-06	7.79E-07	4.94E-06	7.63E-07	7.34E-07	1.14E-05
5508	491617.94	3860203.93	4.20E-02	4.29E-02	4.28E-02	1.45E-05	4.39E-05	2.54E-05	2.59E-05	2.35E-05	1.07E-05	1.07E-05	0.00E+00	0.00E+00	4.67E-06	8.80E-07	5.58E-06	8.61E-07	8.29E-07	1.28E-05
5509	491805.68	3860271.59	3.27E-02	3.34E-02	3.34E-02	1.13E-05	3.42E-05	1.98E-05	2.02E-05	1.83E-05	8.36E-06	8.35E-06	0.00E+00	0.00E+00	3.64E-06	6.86E-07	4.35E-06	6.71E-07	6.47E-07	1.00E-05
5510	491654.23	3860414.02	5.70E-02	5.81E-02	5.81E-02	1.97E-05	5.95E-05	3.45E-05	3.52E-05	3.19E-05	1.45E-05	1.45E-05	0.00E+00	0.00E+00	6.34E-06	1.19E-06	7.58E-06	1.17E-06	1.13E-06	1.74E-05
5511	491592.62	3860510.76	1.94E-02	1.98E-02	1.98E-02	6.73E-06	2.03E-05	1.18E-05	1.20E-05	1.09E-05	4.97E-06	4.96E-06	0.00E+00	0.00E+00	2.16E-06	4.07E-07	2.59E-06	3.99E-07	3.84E-07	5.94E-06
5512	491475.41	3860368.93	2.99E-02	3.05E-02	3.05E-02	1.04E-05	3.13E-05	1.81E-05	1.85E-05	1.67E-05	7.64E-06	7.63E-06	0.00E+00	0.00E+00	3.33E-06	6.27E-07	3.98E-06	6.14E-07	5.91E-07	9.14E-06
5513	491445.61	3860337.28	3.28E-02	3.35E-02	3.34E-02	1.13E-05	3.43E-05	1.98E-05	2.02E-05	1.83E-05	8.37E-06	8.36E-06	0.00E+00	0.00E+00	3.65E-06	6.87E-07	4.36E-06	6.72E-07	6.48E-07	1.00E-05
5514	491399.05	3860300.37	3.44E-02	3.51E-02	3.50E-02	1.19E-05	3.59E-05	2.08E-05	2.12E-05	1.92E-05	8.78E-06	8.77E-06	0.00E+00	0.00E+00	3.83E-06	7.21E-07	4.57E-06	7.05E-07	6.79E-07	1.05E-05
5515	491228.84	3860235.98	2.32E-02	2.37E-02	2.37E-02	8.04E-06	2.43E-05	1.41E-05	1.43E-05	1.30E-05	5.94E-06	5.93E-06	0.00E+00	0.00E+00	2.59E-06	4.87E-07	3.09E-06	4.77E-07	4.59E-07	7.10E-06
5516	491228.47	3860174.57	3.66E-02	3.74E-02	3.73E-02	1.27E-05	3.83E-05	2.22E-05	2.26E-05	2.05E-05	9.36E-06	9.35E-06	0.00E+00	0.00E+00	4.08E-06	7.68E-07	4.87E-06	7.51E-07	7.24E-07	1.12E-05
5517	491145.77	3860112.55	3.77E-02	3.84E-02	3.84E-02	1.30E-05	3.94E-05	2.28E-05	2.33E-05	2.11E-05	9.62E-06	9.61E-06	0.00E+00	0.00E+00	4.19E-06	7.89E-07	5.01E-06	7.72E-07	7.44E-07	1.15E-05
5518	490844.41	3859966.22	3.59E-02	3.66E-02	3.66E-02	1.24E-05	3.75E-05	2.17E-05	2.22E-05	2.01E-05	9.17E-06	9.16E-06	0.00E+00	0.00E+00	4.00E-06	7.53E-07	4.78E-06	7.36E-07	7.09E-07	1.10E-05
5519	490845.55	3859928.15	5.71E-02	5.83E-02	5.82E-02	1.98E-05	5.97E-05	3.46E-05	3.53E-05	3.20E-05	1.46E-05	1.46E-05	0.00E+00	0.00E+00	6.36E-06	1.20E-06	7.59E-06	1.17E-06	1.13E-06	1.74E-05
5520	490046.91	3859625.6	4.40E-02	4.49E-02	4.49E-02	1.52E-05	4.60E-05	2.66E-05	2.72E-05	2.46E-05	1.12E-05	1.12E-05	0.00E+00	0.00E+00	4.90E-06	9.23E-07	5.85E-06	9.03E-07	8.69E-07	1.34E-05
5521	489970.48	3859589.4	4.40E-02	4.49E-02	4.49E-02	1.52E-05	4.60E-05	2.66E-05	2.72E-05	2.46E-05	1.12E-05	1.12E-05	0.00E+00	0.00E+00	4.90E-06	9.23E-07	5.85E-06	9.03E-07	8.70E-07	1.34E-05
5522	489865.89	3859529.06	4.68E-02	4.78E-02	4.77E-02	1.62E-05	4.89E-05	2.83E-05	2.89E-05	2.62E-05	1.20E-05	1.19E-05	0.00E+00	0.00E+00	5.21E-06	9.81E-07	6.22E-06	9.60E-07	9.24E-07	1.43E-05
5523	489826.89	3859531.74	3.61E-02	3.68E-02	3.68E-02	1.25E-05	3.77E-05	2.18E-05	2.23E-05	2.02E-05	9.21E-06	9.20E-06	0.00E+00	0.00E+00	4.01E-06	7.56E-07	4.80E-06	7.40E-07	7.12E-07	1.10E-05
5524	489410.47	3859303.06	3.47E-02	3.54E-02	3.54E-02	1.20E-05	3.63E-05	2.10E-05	2.14E-05	1.94E-05	8.87E-06	8.86E-06	0.00E+00	0.00E+00	3.87E-06	7.28E-07	4.62E-06	7.12E-07	6.86E-07	1.06E-05
5525	489407.15	3859286.09	4.09E-02	4.18E-02	4.17E-02	1.42E-05	4.28E-05	2.48E-05	2.53E-05	2.29E-05	1.05E-05	1.04E-05	0.00E+00	0.00E+00	4.56E-06	8.58E-07	5.44E-06	8.39E-07	8.08E-07	1.25E-05
5526	488806.07	3858963.62	1.64E-02	1.67E-02	1.67E-02	5.67E-06	1.71E-05	9.91E-06	1.01E-05	9.16E-06	4.18E-06	4.18E-06	0.00E+00	0.00E+00	1.82E-06	3.43E-07	2.18E-06	3.36E-07	3.23E-07	5.00E-06
5527	488817.64	3859546.3	4.97E-03	5.07E-03	5.06E-03	1.72E-06	5.19E-06	3.01E-06	3.07E-06	2.78E-06	1.27E-06	1.27E-06	0.00E+00	0.00E+00	5.53E-07	1.04E-07	6.60E-07	1.02E-07	9.81E-08	1.52E-06
5528	489187.25	3859549.52	7.76E-03	7.92E-03	7.91E-03	2.69E-06	8.11E-06	4.70E-06	4.79E-06	4.34E-06	1.98E-06	1.98E-06	0.00E+00	0.00E+00	8.64E-07	1.63E-07	1.03E-06	1.59E-07	1.53E-07	2.37E-06
5529	489187.66	3859523.74	8.18E-03	8.35E-03	8.34E-03	2.83E-06	8.55E-06	4.95E-06	5.05E-06	4.58E-06	2.09E-06	2.09E-06	0.00E+00	0.00E+00	9.11E-07	1.71E-07	1.09E-06	1.68E-07	1.62E-07	2.50E-06
5530	489232.59	3859522.85	8.80E-03	8.98E-03	8.96E-03	3.04E-06	9.19E-06	5.32E-06	5.43E-06	4.92E-06	2.25E-06	2.24E-06	0.00E+00	0.00E+00	9.79E-07	1.84E-07	1.17E-06	1.80E-07	1.74E-07	2.69E-06
5531	489224.98	3859759.91	5.70E-03	5.81E-03	5.81E-03	1.97E-06	5.96E-06	3.45E-06	3.52E-06	3.19E-06	1.46E-06	1.45E-06	0.00E+00	0.00E+00	6.34E-07	1.19E-07	7.58E-07	1.17E-07	1.13E-07	1.74E-06
5532	488401.39	3859763.34	2.74E-03	2.79E-03	2.79E-03	9.47E-07	2.86E-06	1.66E-06	1.69E-06	1.53E-06	6.99E-07	6.98E-07	0.00E+00	0.00E+00	3.05E-07	5.74E-08	3.64E-07	5.61E-08	5.41E-08	8.36E-07
5533	488405.51	3859966.16	2.44E-03	2.49E-03	2.48E-03	8.44E-07	2.55E-06	1.47E-06	1.50E-06	1.36E-06	6.22E-07	6.22E-07	0.00E+00	0.00E+00	2.71E-07	5.11E-08	3.24E-07	5.00E-08	4.81E-08	7.45E-07
5534	489202.85	3859956.57	4.37E-03	4.46E-03	4.46E-03	1.51E-06	4.57E-06	2.65E-06	2.70E-06	2.45E-06	1.12E-06	1.12E-06	0.00E+00	0.00E+00	4.87E-07	9.16E-08	5.82E-07	8.97E-08	8.64E-08	1.34E-06
5535	489191.9	3860676.74	2.25E-03	2.29E-03	2.29E-03	7.78E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.74E-07	5.73E-07	0.00E+00	0.00E+00	2.50E-07	4.71E-08	2.99E-07	4.61E-08	4.44E-08	6.87E-07
5536	488392.82	3860687.88	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.28E-07	4.24E-07	4.23E-07	0.00E+00	0.00E+00	1.85E-07	3.48E-08	2.21E-07	3.40E-08	3.28E-08	5.07E-07
5537	488392.82	3860760.27	1.61E-03	1.64E-03	1.64E-03	5.58E-07	1.68E-06	9.75E-07	9.95E-07	9.02E-07	4.11E-07	4.11E-07	0.00E+00	0.00E+00	1.79E-07	3.38E-08	2.14E-07	3.30E-08	3.18E-08	4.92E-07

5538	487549.05	3860777.45	1.16E-03	1.18E-03	1.18E-03	4.02E-07	1.21E-06	7.02E-07	7.16E-07	6.49E-07	2.96E-07	2.96E-07	0.00E+00	0.00E+00	1.29E-07	2.43E-08	1.54E-07	2.38E-08	2.29E-08	3.54E-07
5539	487554.62	3859571.83	1.65E-03	1.68E-03	1.68E-03	5.70E-07	1.72E-06	9.96E-07	1.02E-06	9.21E-07	4.20E-07	4.20E-07	0.00E+00	0.00E+00	1.83E-07	3.45E-08	2.19E-07	3.38E-08	3.25E-08	5.03E-07
5540	485949.46	3859558.54	8.62E-04	8.80E-04	8.79E-04	2.99E-07	9.01E-07	5.22E-07	5.33E-07	4.83E-07	2.20E-07	2.20E-07	0.00E+00	0.00E+00	9.60E-08	1.81E-08	1.15E-07	1.77E-08	1.70E-08	2.63E-07
5541	485947.55	3857943.61	8.71E-04	8.89E-04	8.88E-04	3.02E-07	9.11E-07	5.27E-07	5.38E-07	4.88E-07	2.23E-07	2.22E-07	0.00E+00	0.00E+00	9.70E-08	1.83E-08	1.16E-07	1.79E-08	1.72E-08	2.66E-07
5542	484738.38	3857940.21	7.75E-04	7.91E-04	7.90E-04	2.68E-07	8.10E-07	4.69E-07	4.79E-07	4.34E-07	1.98E-07	1.98E-07	0.00E+00	0.00E+00	8.63E-08	1.62E-08	1.03E-07	1.59E-08	1.53E-08	2.37E-07
5543	484737.06	3857535.68	7.71E-04	7.87E-04	7.86E-04	2.67E-07	8.06E-07	4.67E-07	4.76E-07	4.32E-07	1.97E-07	1.97E-07	0.00E+00	0.00E+00	8.59E-08	1.62E-08	1.03E-07	1.58E-08	1.52E-08	2.36E-07
5544	483730.2	3857530.13	7.44E-04	7.59E-04	7.58E-04	2.57E-07	7.77E-07	4.50E-07	4.59E-07	4.16E-07	1.90E-07	1.90E-07	0.00E+00	0.00E+00	8.28E-08	1.56E-08	9.89E-08	1.53E-08	1.47E-08	2.27E-07
5545	483727.27	3857130.01	7.66E-04	7.82E-04	7.81E-04	2.65E-07	8.01E-07	4.64E-07	4.73E-07	4.29E-07	1.96E-07	1.96E-07	0.00E+00	0.00E+00	8.53E-08	1.61E-08	1.02E-07	1.57E-08	1.51E-08	2.34E-07
5546	483124.42	3857123.45	7.51E-04	7.66E-04	7.66E-04	2.60E-07	7.85E-07	4.54E-07	4.64E-07	4.20E-07	1.92E-07	1.92E-07	0.00E+00	0.00E+00	8.36E-08	1.57E-08	9.99E-08	1.54E-08	1.48E-08	2.29E-07
5547	483111.13	3855921.03	9.82E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.94E-07	6.07E-07	5.50E-07	2.51E-07	2.51E-07	0.00E+00	0.00E+00	1.09E-07	2.06E-08	1.31E-07	2.01E-08	1.94E-08	3.00E-07
5548	482701.73	3855918.24	9.74E-04	9.94E-04	9.93E-04	3.37E-07	1.02E-06	5.89E-07	6.01E-07	5.45E-07	2.49E-07	2.48E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.30E-07	2.00E-08	1.92E-08	2.98E-07
5549	482668.02	3853521.78	9.81E-03	1.00E-02	1.00E-02	3.40E-06	1.03E-05	5.93E-06	6.06E-06	5.49E-06	2.50E-06	2.50E-06	0.00E+00	0.00E+00	1.09E-06	2.06E-07	1.30E-06	2.01E-07	1.94E-07	3.00E-06
5550	482579.91	3853219.19	1.97E-02	2.01E-02	2.00E-02	6.80E-06	2.05E-05	1.19E-05	1.21E-05	1.10E-05	5.02E-06	5.01E-06	0.00E+00	0.00E+00	2.19E-06	4.12E-07	2.61E-06	4.03E-07	3.88E-07	6.00E-06
5551	482434.06	3852961.94	2.69E-02	2.75E-02	2.74E-02	9.32E-06	2.81E-05	1.63E-05	1.66E-05	1.51E-05	6.88E-06	6.87E-06	0.00E+00	0.00E+00	3.00E-06	5.64E-07	3.58E-06	5.52E-07	5.32E-07	8.23E-06
5552	482332.11	3852832.85	3.11E-02	3.17E-02	3.17E-02	1.08E-05	3.25E-05	1.88E-05	1.92E-05	1.74E-05	7.94E-06	7.93E-06	0.00E+00	0.00E+00	3.46E-06	6.52E-07	4.14E-06	6.38E-07	6.14E-07	9.50E-06
5553	481334.99	3851818.96	3.12E-02	3.18E-02	3.18E-02	1.08E-05	3.26E-05	1.89E-05	1.92E-05	1.74E-05	7.96E-06	7.95E-06	0.00E+00	0.00E+00	3.47E-06	6.53E-07	4.14E-06	6.39E-07	6.15E-07	9.52E-06
5554	481127.62	3851646.36	3.28E-02	3.35E-02	3.35E-02	1.14E-05	3.43E-05	1.99E-05	2.03E-05	1.84E-05	8.39E-06	8.38E-06	0.00E+00	0.00E+00	3.66E-06	6.88E-07	4.37E-06	6.73E-07	6.49E-07	1.00E-05
5555	481025.04	3851591.73	3.07E-02	3.13E-02	3.13E-02	1.06E-05	3.21E-05	1.86E-05	1.90E-05	1.72E-05	7.84E-06	7.83E-06	0.00E+00	0.00E+00	3.42E-06	6.43E-07	4.08E-06	6.29E-07	6.06E-07	9.38E-06
5556	480513.6	3851335.76	3.08E-02	3.14E-02	3.13E-02	1.06E-05	3.21E-05	1.86E-05	1.90E-05	1.72E-05	7.85E-06	7.85E-06	0.00E+00	0.00E+00	3.42E-06	6.45E-07	4.09E-06	6.31E-07	6.07E-07	9.40E-06
5557	480523.56	3851317.66	3.61E-02	3.69E-02	3.68E-02	1.25E-05	3.78E-05	2.19E-05	2.23E-05	2.02E-05	9.23E-06	9.22E-06	0.00E+00	0.00E+00	4.02E-06	7.57E-07	4.80E-06	7.41E-07	7.14E-07	1.10E-05
5558	476921.56	3849569.11	3.82E-02	3.90E-02	3.90E-02	1.32E-05	4.00E-05	2.31E-05	2.36E-05	2.14E-05	9.76E-06	9.75E-06	0.00E+00	0.00E+00	4.26E-06	8.01E-07	5.08E-06	7.84E-07	7.55E-07	1.17E-05
5559	476521.19	3849373.96	5.09E-02	5.20E-02	5.19E-02	1.76E-05	5.32E-05	3.08E-05	3.14E-05	2.85E-05	1.30E-05	1.30E-05	0.00E+00	0.00E+00	5.67E-06	1.07E-06	6.77E-06	1.04E-06	1.01E-06	1.56E-05
5560	476391.45	3849333.38	5.22E-02	5.32E-02	5.32E-02	1.81E-05	5.45E-05	3.16E-05	3.22E-05	2.92E-05	1.33E-05	1.33E-05	0.00E+00	0.00E+00	5.81E-06	1.09E-06	6.94E-06	1.07E-06	1.03E-06	1.59E-05
5561	476219.41	3849304.29	4.98E-02	5.08E-02	5.08E-02	1.72E-05	5.21E-05	3.01E-05	3.08E-05	2.79E-05	1.27E-05	1.27E-05	0.00E+00	0.00E+00	5.55E-06	1.04E-06	6.62E-06	1.02E-06	9.84E-07	1.52E-05
5562	475679.11	3849218.47	4.39E-02	4.48E-02	4.47E-02	1.52E-05	4.58E-05	2.65E-05	2.71E-05	2.46E-05	1.12E-05	1.12E-05	0.00E+00	0.00E+00	4.88E-06	9.19E-07	5.83E-06	9.00E-07	8.66E-07	1.34E-05
5563	475677.71	3849233.88	3.62E-02	3.69E-02	3.69E-02	1.25E-05	3.78E-05	2.19E-05	2.23E-05	2.03E-05	9.24E-06	9.23E-06	0.00E+00	0.00E+00	4.03E-06	7.58E-07	4.81E-06	7.42E-07	7.15E-07	1.11E-05
5564	475492.74	3849204.66	2.30E-02	2.35E-02	2.35E-02	7.97E-06	2.41E-05	1.39E-05	1.42E-05	1.29E-05	5.88E-06	5.87E-06	0.00E+00	0.00E+00	2.56E-06	4.83E-07	3.06E-06	4.72E-07	4.55E-07	7.04E-06
5565	475497.64	3849158.75	5.62E-02	5.73E-02	5.73E-02	1.95E-05	5.87E-05	3.40E-05	3.47E-05	3.15E-05	1.44E-05	1.43E-05	0.00E+00	0.00E+00	6.26E-06	1.18E-06	7.47E-06	1.15E-06	1.11E-06	1.72E-05
5566	475391.35	3849141.94	3.84E-02	3.92E-02	3.91E-02	1.33E-05	4.01E-05	2.32E-05	2.37E-05	2.15E-05	9.80E-06	9.79E-06	0.00E+00	0.00E+00	4.27E-06	8.04E-07	5.10E-06	7.87E-07	7.58E-07	1.17E-05
5567	475277	3849095.47	3.31E-02	3.38E-02	3.37E-02	1.15E-05	3.46E-05	2.00E-05	2.04E-05	1.85E-05	8.45E-06	8.44E-06	0.00E+00	0.00E+00	3.68E-06	6.93E-07	4.40E-06	6.78E-07	6.53E-07	1.01E-05
5568	475183.93	3849025.66	3.81E-02	3.89E-02	3.88E-02	1.32E-05	3.98E-05	2.31E-05	2.35E-05	2.13E-05	9.73E-06	9.72E-06	0.00E+00	0.00E+00	4.24E-06	7.99E-07	5.07E-06	7.81E-07	7.53E-07	1.16E-05
5569	474453.23	3848378.77	4.34E-02	4.43E-02	4.43E-02	1.50E-05	4.54E-05	2.63E-05	2.68E-05	2.43E-05	1.11E-05	1.11E-05	0.00E+00	0.00E+00	4.83E-06	9.10E-07	5.77E-06	8.90E-07	8.58E-07	1.33E-05
5570	474569.63	3848399.34	8.30E-02	8.47E-02	8.46E-02	2.87E-05	8.67E-05	5.02E-05	5.12E-05	4.64E-05	2.12E-05	2.12E-05	0.00E+00	0.00E+00	9.24E-06	1.74E-06	1.10E-05	1.70E-06	1.64E-06	2.53E-05
5571	474644.33	3848464.52	7.67E-02	7.82E-02	7.81E-02	2.65E-05	8.01E-05	4.64E-05	4.73E-05	4.29E-05	1.96E-05	1.96E-05	0.00E+00	0.00E+00	8.53E-06	1.61E-06	1.02E-05	1.57E-06	1.51E-06	2.34E-05
5572	474719.04	3848529.7	9.98E-02	1.02E-01	1.02E-01	3.46E-05	1.04E-04	6.04E-05	6.16E-05	5.59E-05	2.55E-05	2.55E-05	0.00E+00	0.00E+00	1.11E-05	2.09E-06	1.33E-05	2.05E-06	1.97E-06	3.05E-05
5573	474793.74	3848594.88	8.53E-02	8.71E-02	8.70E-02	2.95E-05	8.92E-05	5.16E-05	5.27E-05	4.78E-05	2.18E-05	2.18E-05	0.00E+00	0.00E+00	9.50E-06	1.79E-06	1.13E-05	1.75E-06	1.69E-06	2.61E-05
5574	474868.45	3848660.07	9.88E-02	1.01E-01	1.01E-01	3.42E-05	1.03E-04	5.98E-05	6.10E-05	5.53E-05	2.52E-05	2.52E-05	0.00E+00	0.00E+00	1.10E-05	2.07E-06	1.31E-05	2.03E-06	1.95E-06	3.02E-05
5575	474943.15	3848725.25	9.85E-02	1.00E-01	1.00E-01	3.41E-05	1.03E-04	5.96E-05	6.08E-05	5.51E-05	2.52E-05	2.51E-05	0.00E+00	0.00E+00	1.10E-05	2.06E-06	1.31E-05	2.02E-06	1.95E-06	3.01E-05
5576	475017.86	3848790.43	9.92E-02	1.01E-01	1.01E-01	3.44E-05	1.04E-04	6.01E-05	6.13E-05	5.55E-05	2.53E-05	2.53E-05	0.00E+00	0.00E+00	1.10E-05	2.08E-06	1.32E-05	2.04E-06	1.96E-06	3.03E-05
5577	475092.56	3848855.61	9.92E-02	1.01E-01	1.01E-01	3.43E-05	1.04E-04	6.00E-05	6.13E-05	5.55E-05	2.53E-05	2.53E-05	0.00E+00	0.00E+00	1.10E-05	2.08E-06	1.32E-05	2.03E-06	1.96E-06	3.03E-05
5578	475232.58	3848959.38	9.56E-02	9.76E-02	9.74E-02	3.31E-05	9.99E-05	5.78E-05	5.90E-05	5.35E-05	2.44E-05	2.44E-05	0.00E+00	0.00E+00	1.06E-05	2.00E-06	1.27E-05	1.96E-06	1.89E-06	2.92E-05
5579	475368.47	3849029.98	9.78E-02	9.98E-02	9.96E-02	3.38E-05	1.02E-04	5.92E-05	6.04E-05	5.47E-05	2.50E-05	2.49E-05	0.00E+00	0.00E+00	1.09E-05	2.05E-06	1.30E-05	2.01E-06	1.93E-06	2.99E-05
5580	475609.57	3849096.09	8.23E-02	8.40E-02	8.39E-02	2.85E-05	8.61E-05	4.98E-05	5.08E-05	4.61E-05	2.10E-05	2.10E-05	0.00E+00	0.00E+00	9.17E-06	1.73E-06	1.10E-05	1.69E-06	1.63E-06	2.52E-05
5581	475680.68	3849116.62	9.12E-02	9.30E-02	9.29E-02	3.16E-05	9.53E-05	5.52E-05	5.63E-05	5.10E-05	2.33E-05	2.33E-05	0.00E+00	0.00E+00	1.01E-05	1.91E-06	1.21E-05	1.87E-06	1.80E-06	2.79E-05
5582	475843.76	3849151.52	1.09E-01	1.11E-01	1.11E-01	3.78E-05	1.14E-04	6.60E-05	6.74E-05	6.11E-05	2.79E-05	2.78E-05	0.00E+00	0.00E+00	1.21E-05	2.29E-06	1.45E-05	2.24E-06	2.15E-06	3.33E-05
5583	475935.73	3849165.89	1.05E-01	1.07E-01	1.07E-01	3.62E-05	1.09E-04	6.33E-05	6.45E-05	5.85E-05	2.67E-05	2.67E-05	0.00E+00	0.00E+00	1.16E-05	2.19E-06	1.39E-05	2.14E-06	2.06E-06	3.19E-05
5584	476027.71	3849180.27	1.06E-01	1.08E-01	1.08E-01	3.67E-05	1.11E-04	6.41E-05	6.54E-05	5.93E-05	2.71E-05	2.70E-05	0.00E+00	0.00E+00	1.18E-05	2.22E-06	1.41E-05	2.17E-06	2.09E-06	3.24E-05
5585	476119.68	3849194.64	1.19E-01	1.22E-01	1.22E-01	4.14E-05	1.25E-04	7.23E-05	7.38E-05	6.69E-05	3.05E-05	3.05E-05	0.00E+00	0.00E+00	1.33E-05	2.50E-06	1.59E-05	2.45E-06	2.36E-06	3.65E-05
5586	476211.65	3849209.01	1.24E-01	1.27E-01	1.27E-01	4.30E-05	1.30E-04	7.52E-05	7.67E-05	6.96E-05	3.17E-05	3.17E-05	0.00E+00	0.00E+00	1.38E-05	2.61E-06	1.65E-05	2.55E-06	2.46E-06	3.80E-05
5587	476497.81	3849283.9	1.16E-01	1.18E-01	1.18E-01	4.01E-05	1.21E-04	7.01E-05	7.15E-05	6.48E-05	2.96E-05	2.95E-05	0.00E+00	0.00E+00	1.29E-05	2.43E-06	1.54E-05	2.37E-06	2.29E-06	3.54E-05
5588	476603.73	3849323.77	1.24E-01	1.26E-01	1.26E-01	4.28E-05	1.29E-04	7.48E-05	7.63E-05	6.92E-05	3.16E-05	3.15E-05	0.00E+00	0.00E+00	1.38E-05	2.59E-06	1.64E-05	2.53E-06	2.44E-06	3.78E-05
5589	476728.99	3849382.76	9.63E-02	9.83E-02	9.81E-02	3.33E-05	1.01E-04	5.83E-05	5.95E-05	5.39E-05	2.46E-05	2.46E-05	0.00E+00	0.00E+00	1.07E-05	2.02E-06	1.28E-05	1.97E-06	1.90E-06	2.94E-05
5590	476801.27	3849418.65	1.01E-01	1.03E-01	1.03E-01	3.50E-05	1.06E-04	6.12E-05	6.24E-05	5.66E-05	2.58E-05	2.58E-05	0.00E+00	0.00E+00	1.13E-05	2.12E-06	1.34E-05	2.07E-06	2.00E-06	3.09E-05
5591	476956.2	3849495.05	1.10E-01	1.12E-01	1.12E-01	3.80E-05	1.15E-04	6.65E-05	6.78E-05	6.15E-05	2.80E-05	2.80E-05	0.00E+00	0.00E+00	1.22E-05	2.30E-06	1.46E-05	2.25E-06	2.17E-06	3.36E-05
5592	477038.84	3849535.56	1.03E-01	1.05E-01	1.05E-01	3.57E-05	1.08E-04	6.24E-05	6.37E-05	5.77E-05	2.63E-05	2.63E-05	0.00E+00	0.00E+00	1.15E-05	2.16E-06	1.37E-05	2.11E-06	2.04E-06	3.15E-05
5593	477121.49	3849576.08	1.01E-01	1.03E-01	1.03E-01	3.50E-05	1.06E-04	6.12E-05	6.25E-05	5.66E-05	2.58E-05	2.58E-05	0.00E+00	0.00E+00	1.13E-05	2.12E-06	1.35E-05	2.07E-06	2.00E-06	3.09E-05

5594	477204.13	3849616.6	9.85E-02	1.00E-01	1.00E-01	3.41E-05	1.03E-04	5.96E-05	6.08E-05	5.51E-05	2.51E-05	2.51E-05	0.00E+00	0.00E+00	1.10E-05	2.06E-06	1.31E-05	2.02E-06	1.94E-06	3.01E-05
5595	477286.78	3849657.12	9.20E-02	9.38E-02	9.37E-02	3.18E-05	9.61E-05	5.56E-05	5.68E-05	5.15E-05	2.35E-05	2.35E-05	0.00E+00	0.00E+00	1.02E-05	1.93E-06	1.22E-05	1.89E-06	1.82E-06	2.81E-05
5596	477369.42	3849697.63	8.94E-02	9.12E-02	9.11E-02	3.09E-05	9.34E-05	5.41E-05	5.52E-05	5.00E-05	2.28E-05	2.28E-05	0.00E+00	0.00E+00	9.95E-06	1.87E-06	1.19E-05	1.83E-06	1.77E-06	2.73E-05
5597	477452.07	3849738.15	9.10E-02	9.28E-02	9.27E-02	3.15E-05	9.51E-05	5.51E-05	5.62E-05	5.09E-05	2.32E-05	2.32E-05	0.00E+00	0.00E+00	1.01E-05	1.91E-06	1.21E-05	1.87E-06	1.80E-06	2.78E-05
5598	477534.71	3849778.67	8.71E-02	8.89E-02	8.88E-02	3.02E-05	9.11E-05	5.27E-05	5.38E-05	4.88E-05	2.22E-05	2.22E-05	0.00E+00	0.00E+00	9.70E-06	1.83E-06	1.16E-05	1.79E-06	1.72E-06	2.66E-05
5599	477617.36	3849819.18	8.67E-02	8.84E-02	8.83E-02	3.00E-05	9.06E-05	5.24E-05	5.35E-05	4.85E-05	2.21E-05	2.21E-05	0.00E+00	0.00E+00	9.65E-06	1.82E-06	1.15E-05	1.78E-06	1.71E-06	2.65E-05
5600	477824.74	3849896.37	1.09E-01	1.11E-01	1.11E-01	3.78E-05	1.14E-04	6.60E-05	6.74E-05	6.11E-05	2.79E-05	2.78E-05	0.00E+00	0.00E+00	1.21E-05	2.29E-06	1.45E-05	2.24E-06	2.15E-06	3.33E-05
5601	477906.31	3849936.37	1.17E-01	1.19E-01	1.19E-01	4.04E-05	1.22E-04	7.07E-05	7.21E-05	6.54E-05	2.98E-05	2.98E-05	0.00E+00	0.00E+00	1.30E-05	2.45E-06	1.55E-05	2.40E-06	2.31E-06	3.57E-05
5602	477987.89	3849976.36	1.14E-01	1.16E-01	1.16E-01	3.93E-05	1.19E-04	6.87E-05	7.01E-05	6.35E-05	2.90E-05	2.90E-05	0.00E+00	0.00E+00	1.26E-05	2.38E-06	1.51E-05	2.33E-06	2.24E-06	3.47E-05
5603	478069.47	3850016.36	1.18E-01	1.20E-01	1.20E-01	4.09E-05	1.23E-04	7.14E-05	7.29E-05	6.61E-05	3.01E-05	3.01E-05	0.00E+00	0.00E+00	1.31E-05	2.47E-06	1.57E-05	2.42E-06	2.33E-06	3.61E-05
5604	478151.04	3850056.35	1.06E-01	1.08E-01	1.08E-01	3.65E-05	1.10E-04	6.38E-05	6.51E-05	5.91E-05	2.69E-05	2.69E-05	0.00E+00	0.00E+00	1.17E-05	2.21E-06	1.40E-05	2.16E-06	2.08E-06	3.22E-05
5605	478232.62	3850096.35	1.06E-01	1.08E-01	1.08E-01	3.67E-05	1.11E-04	6.42E-05	6.55E-05	5.93E-05	2.71E-05	2.70E-05	0.00E+00	0.00E+00	1.18E-05	2.22E-06	1.41E-05	2.17E-06	2.09E-06	3.24E-05
5606	478314.2	3850136.34	1.06E-01	1.08E-01	1.08E-01	3.66E-05	1.11E-04	6.40E-05	6.53E-05	5.92E-05	2.70E-05	2.70E-05	0.00E+00	0.00E+00	1.18E-05	2.22E-06	1.41E-05	2.17E-06	2.09E-06	3.23E-05
5607	478395.77	3850176.34	1.05E-01	1.07E-01	1.07E-01	3.64E-05	1.10E-04	6.36E-05	6.49E-05	5.88E-05	2.68E-05	2.68E-05	0.00E+00	0.00E+00	1.17E-05	2.20E-06	1.40E-05	2.15E-06	2.07E-06	3.21E-05
5608	478575.43	3850244.45	9.63E-02	9.83E-02	9.81E-02	3.33E-05	1.01E-04	5.83E-05	5.95E-05	5.39E-05	2.46E-05	2.46E-05	0.00E+00	0.00E+00	1.07E-05	2.02E-06	1.28E-05	1.97E-06	1.90E-06	2.94E-05
5609	478665.06	3850287.29	9.56E-02	9.76E-02	9.75E-02	3.31E-05	1.00E-04	5.79E-05	5.91E-05	5.35E-05	2.44E-05	2.44E-05	0.00E+00	0.00E+00	1.06E-05	2.00E-06	1.27E-05	1.96E-06	1.89E-06	2.92E-05
5610	478754.69	3850330.14	9.47E-02	9.66E-02	9.65E-02	3.28E-05	9.90E-05	5.73E-05	5.85E-05	5.30E-05	2.42E-05	2.42E-05	0.00E+00	0.00E+00	1.05E-05	1.98E-06	1.26E-05	1.94E-06	1.87E-06	2.89E-05
5611	478844.32	3850372.99	9.25E-02	9.44E-02	9.43E-02	3.20E-05	9.67E-05	5.60E-05	5.71E-05	5.18E-05	2.36E-05	2.36E-05	0.00E+00	0.00E+00	1.03E-05	1.94E-06	1.23E-05	1.90E-06	1.83E-06	2.83E-05
5612	478933.95	3850415.84	8.95E-02	9.13E-02	9.12E-02	3.10E-05	9.35E-05	5.41E-05	5.52E-05	5.01E-05	2.28E-05	2.28E-05	0.00E+00	0.00E+00	9.96E-06	1.87E-06	1.19E-05	1.83E-06	1.77E-06	2.73E-05
5613	479023.58	3850458.68	9.27E-02	9.46E-02	9.45E-02	3.21E-05	9.69E-05	5.61E-05	5.72E-05	5.19E-05	2.37E-05	2.36E-05	0.00E+00	0.00E+00	1.03E-05	1.94E-06	1.23E-05	1.90E-06	1.83E-06	2.83E-05
5614	479110.66	3850441.91	5.87E-02	5.99E-02	5.98E-02	2.03E-05	6.13E-05	3.55E-05	3.62E-05	3.28E-05	1.50E-05	1.50E-05	0.00E+00	0.00E+00	6.53E-06	1.23E-06	7.80E-06	1.20E-06	1.16E-06	1.79E-05
5615	479191.22	3850423.99	4.47E-02	4.56E-02	4.56E-02	1.55E-05	4.67E-05	2.71E-05	2.76E-05	2.50E-05	1.14E-05	1.14E-05	0.00E+00	0.00E+00	4.98E-06	9.37E-07	5.95E-06	9.17E-07	8.83E-07	1.37E-05
5616	479274.32	3850465.71	4.54E-02	4.64E-02	4.63E-02	1.57E-05	4.75E-05	2.75E-05	2.80E-05	2.54E-05	1.16E-05	1.16E-05	0.00E+00	0.00E+00	5.06E-06	9.52E-07	6.04E-06	9.32E-07	8.97E-07	1.39E-05
5617	479357.43	3850507.42	4.64E-02	4.73E-02	4.73E-02	1.61E-05	4.85E-05	2.81E-05	2.86E-05	2.60E-05	1.18E-05	1.18E-05	0.00E+00	0.00E+00	5.16E-06	9.72E-07	6.17E-06	9.51E-07	9.16E-07	1.42E-05
5618	479440.53	3850549.14	4.66E-02	4.76E-02	4.75E-02	1.61E-05	4.87E-05	2.82E-05	2.88E-05	2.61E-05	1.19E-05	1.19E-05	0.00E+00	0.00E+00	5.19E-06	9.77E-07	6.20E-06	9.56E-07	9.21E-07	1.42E-05
5619	479523.64	3850590.85	4.67E-02	4.77E-02	4.76E-02	1.62E-05	4.88E-05	2.83E-05	2.89E-05	2.62E-05	1.19E-05	1.19E-05	0.00E+00	0.00E+00	5.20E-06	9.79E-07	6.21E-06	9.58E-07	9.23E-07	1.43E-05
5620	479606.74	3850632.57	4.71E-02	4.80E-02	4.80E-02	1.63E-05	4.92E-05	2.85E-05	2.91E-05	2.64E-05	1.20E-05	1.20E-05	0.00E+00	0.00E+00	5.24E-06	9.87E-07	6.26E-06	9.66E-07	9.30E-07	1.44E-05
5621	479777.37	3850707.61	4.53E-02	4.63E-02	4.62E-02	1.57E-05	4.74E-05	2.74E-05	2.80E-05	2.54E-05	1.16E-05	1.16E-05	0.00E+00	0.00E+00	5.05E-06	9.50E-07	6.03E-06	9.30E-07	8.95E-07	1.38E-05
5622	479864.9	3850740.95	4.38E-02	4.47E-02	4.46E-02	1.52E-05	4.58E-05	2.65E-05	2.70E-05	2.45E-05	1.12E-05	1.12E-05	0.00E+00	0.00E+00	4.87E-06	9.17E-07	5.82E-06	8.98E-07	8.65E-07	1.34E-05
5623	479931.87	3850829.57	5.72E-02	5.83E-02	5.83E-02	1.98E-05	5.98E-05	3.46E-05	3.53E-05	3.20E-05	1.46E-05	1.46E-05	0.00E+00	0.00E+00	6.36E-06	1.20E-06	7.60E-06	1.17E-06	1.13E-06	1.75E-05
5624	479995.55	3850926.75	9.13E-02	9.32E-02	9.30E-02	3.16E-05	9.54E-05	5.52E-05	5.64E-05	5.11E-05	2.33E-05	2.33E-05	0.00E+00	0.00E+00	1.02E-05	1.91E-06	1.21E-05	1.87E-06	1.80E-06	2.79E-05
5625	480079.78	3850968.64	9.11E-02	9.30E-02	9.29E-02	3.15E-05	9.52E-05	5.51E-05	5.63E-05	5.10E-05	2.33E-05	2.32E-05	0.00E+00	0.00E+00	1.01E-05	1.91E-06	1.21E-05	1.87E-06	1.80E-06	2.78E-05
5626	480164.01	3851010.54	9.07E-02	9.26E-02	9.25E-02	3.14E-05	9.48E-05	5.49E-05	5.60E-05	5.08E-05	2.32E-05	2.31E-05	0.00E+00	0.00E+00	1.01E-05	1.90E-06	1.21E-05	1.86E-06	1.79E-06	2.77E-05
5627	480248.23	3851052.43	8.98E-02	9.16E-02	9.15E-02	3.11E-05	9.38E-05	5.43E-05	5.54E-05	5.02E-05	2.29E-05	2.29E-05	0.00E+00	0.00E+00	9.99E-06	1.88E-06	1.19E-05	1.84E-06	1.77E-06	2.74E-05
5628	480332.46	3851094.33	9.09E-02	9.27E-02	9.26E-02	3.14E-05	9.50E-05	5.50E-05	5.61E-05	5.08E-05	2.32E-05	2.32E-05	0.00E+00	0.00E+00	1.01E-05	1.90E-06	1.21E-05	1.86E-06	1.79E-06	2.78E-05
5629	480416.69	3851136.22	9.55E-02	9.75E-02	9.74E-02	3.31E-05	9.98E-05	5.78E-05	5.90E-05	5.35E-05	2.44E-05	2.44E-05	0.00E+00	0.00E+00	1.06E-05	2.00E-06	1.27E-05	1.96E-06	1.89E-06	2.92E-05
5630	480579.95	3851215.17	9.76E-02	9.95E-02	9.94E-02	3.38E-05	1.02E-04	5.90E-05	6.02E-05	5.46E-05	2.49E-05	2.49E-05	0.00E+00	0.00E+00	1.09E-05	2.04E-06	1.30E-05	2.00E-06	1.93E-06	2.98E-05
5631	480658.98	3851252.22	9.66E-02	9.85E-02	9.84E-02	3.34E-05	1.01E-04	5.84E-05	5.96E-05	5.41E-05	2.47E-05	2.46E-05	0.00E+00	0.00E+00	1.07E-05	2.02E-06	1.28E-05	1.98E-06	1.91E-06	2.95E-05
5632	480817.36	3851327.85	9.54E-02	9.74E-02	9.73E-02	3.30E-05	9.97E-05	5.77E-05	5.89E-05	5.34E-05	2.44E-05	2.43E-05	0.00E+00	0.00E+00	1.06E-05	2.00E-06	1.27E-05	1.96E-06	1.88E-06	2.92E-05
5633	480896.72	3851366.43	9.59E-02	9.79E-02	9.78E-02	3.32E-05	1.00E-04	5.80E-05	5.92E-05	5.37E-05	2.45E-05	2.45E-05	0.00E+00	0.00E+00	1.07E-05	2.01E-06	1.28E-05	1.97E-06	1.89E-06	2.93E-05
5634	480976.07	3851405	9.57E-02	9.77E-02	9.76E-02	3.31E-05	1.00E-04	5.79E-05	5.91E-05	5.36E-05	2.44E-05	2.44E-05	0.00E+00	0.00E+00	1.07E-05	2.01E-06	1.27E-05	1.96E-06	1.89E-06	2.92E-05
5635	481178	3851487.31	7.20E-02	7.34E-02	7.33E-02	2.49E-05	7.52E-05	4.35E-05	4.44E-05	4.03E-05	1.84E-05	1.84E-05	0.00E+00	0.00E+00	8.01E-06	1.51E-06	9.57E-06	1.48E-06	1.42E-06	2.20E-05
5636	481244.9	3851557.17	7.96E-02	8.13E-02	8.12E-02	2.76E-05	8.32E-05	4.82E-05	4.92E-05	4.46E-05	2.03E-05	2.03E-05	0.00E+00	0.00E+00	8.86E-06	1.67E-06	1.06E-05	1.63E-06	1.57E-06	2.43E-05
5637	481311.81	3851627.03	8.82E-02	9.00E-02	8.99E-02	3.05E-05	9.22E-05	5.34E-05	5.45E-05	4.94E-05	2.25E-05	2.25E-05	0.00E+00	0.00E+00	9.82E-06	1.85E-06	1.17E-05	1.81E-06	1.74E-06	2.70E-05
5638	481378.71	3851696.89	8.99E-02	9.18E-02	9.16E-02	3.11E-05	9.40E-05	5.44E-05	5.55E-05	5.03E-05	2.30E-05	2.29E-05	0.00E+00	0.00E+00	1.00E-05	1.88E-06	1.20E-05	1.84E-06	1.78E-06	2.75E-05
5639	481445.61	3851766.76	9.40E-02	9.59E-02	9.58E-02	3.25E-05	9.83E-05	5.69E-05	5.81E-05	5.26E-05	2.40E-05	2.40E-05	0.00E+00	0.00E+00	1.05E-05	1.97E-06	1.25E-05	1.93E-06	1.86E-06	2.87E-05
5640	481512.51	3851836.62	9.45E-02	9.64E-02	9.63E-02	3.27E-05	9.88E-05	5.72E-05	5.83E-05	5.29E-05	2.41E-05	2.41E-05	0.00E+00	0.00E+00	1.05E-05	1.98E-06	1.26E-05	1.94E-06	1.87E-06	2.89E-05
5641	481579.42	3851906.48	9.35E-02	9.54E-02	9.53E-02	3.24E-05	9.77E-05	5.66E-05	5.77E-05	5.23E-05	2.39E-05	2.38E-05	0.00E+00	0.00E+00	1.04E-05	1.96E-06	1.24E-05	1.92E-06	1.85E-06	2.86E-05
5642	481646.32	3851976.34	9.34E-02	9.53E-02	9.52E-02	3.23E-05	9.77E-05	5.65E-05	5.77E-05	5.23E-05	2.39E-05	2.38E-05	0.00E+00	0.00E+00	1.04E-05	1.96E-06	1.24E-05	1.92E-06	1.85E-06	2.85E-05
5643	481713.22	3852046.2	9.27E-02	9.46E-02	9.45E-02	3.21E-05	9.69E-05	5.61E-05	5.73E-05	5.19E-05	2.37E-05	2.37E-05	0.00E+00	0.00E+00	1.03E-05	1.94E-06	1.23E-05	1.90E-06	1.83E-06	2.83E-05
5644	481780.12	3852116.06	9.31E-02	9.50E-02	9.49E-02	3.22E-05	9.73E-05	5.63E-05	5.75E-05	5.21E-05	2.38E-05	2.37E-05	0.00E+00	0.00E+00	1.04E-05	1.95E-06	1.24E-05	1.91E-06	1.84E-06	2.84E-05
5645	481847.03	3852185.92	9.31E-02	9.50E-02	9.49E-02	3.22E-05	9.73E-05	5.64E-05	5.75E-05	5.21E-05	2.38E-05	2.38E-05	0.00E+00	0.00E+00	1.04E-05	1.95E-06	1.24E-05	1.91E-06	1.84E-06	2.85E-05
5646	481913.93	3852255.78	9.25E-02	9.44E-02	9.43E-02	3.20E-05	9.67E-05	5.60E-05	5.71E-05	5.18E-05	2.36E-05	2.36E-05	0.00E+00	0.00E+00	1.03E-05	1.94E-06	1.23E-05	1.90E-06	1.83E-06	2.83E-05
5647	481980.83	3852325.65	8.78E-02	8.96E-02	8.95E-02	3.04E-05	9.18E-05	5.31E-05	5.42E-05	4.91E-05	2.24E-05	2.24E-05	0.00E+00	0.00E+00	9.77E-06	1.84E-06	1.17E-05	1.80E-06	1.73E-06	2.68E-05
5648	482047.73	3852395.51	8.95E-02	9.13E-02	9.12E-02	3.10E-05	9.35E-05	5.41E-05	5.52E-05	5.01E-05	2.29E-05	2.28E-05	0.00E+00	0.00E+00	9.96E-06	1.88E-06	1.19E-05	1.83E-06	1.77E-06	2.73E-05
5649	482114.64	3852465.37	8.61E-02	8.79E-02	8.78E-02	2.98E-05	9.00E-05	5.21E-05	5.32E-05	4.82E-05	2.20E-05	2.20E-05	0.00E+00	0.00E+00	9.58E-06	1.80E-06	1.14E-05	1.77E-06	1.70E-06	2.63E-05

5650	482181.54	3852535.23	8.92E-02	9.10E-02	9.09E-02	3.09E-05	9.32E-05	5.40E-05	5.51E-05	4.99E-05	2.28E-05	2.28E-05	0.00E+00	0.00E+00	9.93E-06	1.87E-06	1.19E-05	1.83E-06	1.76E-06	2.73E-05
5651	482338.69	3852700.05	9.07E-02	9.26E-02	9.25E-02	3.14E-05	9.48E-05	5.49E-05	5.60E-05	5.08E-05	2.32E-05	2.31E-05	0.00E+00	0.00E+00	1.01E-05	1.90E-06	1.21E-05	1.86E-06	1.79E-06	2.77E-05
5652	482404.05	3852767.78	9.02E-02	9.20E-02	9.19E-02	3.12E-05	9.42E-05	5.46E-05	5.57E-05	5.05E-05	2.30E-05	2.30E-05	0.00E+00	0.00E+00	1.00E-05	1.89E-06	1.20E-05	1.85E-06	1.78E-06	2.75E-05
5653	482469.4	3852835.52	9.12E-02	9.31E-02	9.29E-02	3.16E-05	9.53E-05	5.52E-05	5.63E-05	5.10E-05	2.33E-05	2.33E-05	0.00E+00	0.00E+00	1.02E-05	1.91E-06	1.21E-05	1.87E-06	1.80E-06	2.79E-05
5654	482534.75	3852903.25	9.05E-02	9.23E-02	9.22E-02	3.13E-05	9.46E-05	5.48E-05	5.59E-05	5.07E-05	2.31E-05	2.31E-05	0.00E+00	0.00E+00	1.01E-05	1.90E-06	1.20E-05	1.86E-06	1.79E-06	2.76E-05
5655	482600.11	3852970.99	8.41E-02	8.58E-02	8.57E-02	2.91E-05	8.79E-05	5.09E-05	5.19E-05	4.71E-05	2.15E-05	2.15E-05	0.00E+00	0.00E+00	9.36E-06	1.76E-06	1.12E-05	1.72E-06	1.66E-06	2.57E-05
5656	482706.71	3853119.28	7.85E-02	8.02E-02	8.01E-02	2.72E-05	8.21E-05	4.75E-05	4.85E-05	4.40E-05	2.01E-05	2.00E-05	0.00E+00	0.00E+00	8.74E-06	1.65E-06	1.04E-05	1.61E-06	1.55E-06	2.40E-05
5657	482747.96	3853199.84	7.95E-02	8.11E-02	8.10E-02	2.75E-05	8.31E-05	4.81E-05	4.91E-05	4.45E-05	2.03E-05	2.03E-05	0.00E+00	0.00E+00	8.85E-06	1.67E-06	1.06E-05	1.63E-06	1.57E-06	2.43E-05
5658	482789.21	3853280.4	7.36E-02	7.51E-02	7.50E-02	2.55E-05	7.69E-05	4.45E-05	4.54E-05	4.12E-05	1.88E-05	1.88E-05	0.00E+00	0.00E+00	8.19E-06	1.54E-06	9.78E-06	1.51E-06	1.45E-06	2.25E-05
5659	482830.46	3853360.96	6.63E-02	6.77E-02	6.76E-02	2.30E-05	6.93E-05	4.01E-05	4.10E-05	3.71E-05	1.69E-05	1.69E-05	0.00E+00	0.00E+00	7.38E-06	1.39E-06	8.82E-06	1.36E-06	1.31E-06	2.03E-05
5660	482871.71	3853441.52	5.54E-02	5.65E-02	5.64E-02	1.92E-05	5.79E-05	3.35E-05	3.42E-05	3.10E-05	1.41E-05	1.41E-05	0.00E+00	0.00E+00	6.16E-06	1.16E-06	7.36E-06	1.14E-06	1.09E-06	1.69E-05
5661	482912.95	3853522.07	1.54E-02	1.57E-02	1.57E-02	5.33E-06	1.61E-05	9.31E-06	9.50E-06	8.61E-06	3.93E-06	3.92E-06	0.00E+00	0.00E+00	1.71E-06	3.22E-07	2.05E-06	3.16E-07	3.04E-07	4.70E-06
5662	482954.2	3853602.63	7.93E-03	8.09E-03	8.08E-03	2.74E-06	8.29E-06	4.80E-06	4.89E-06	4.44E-06	2.02E-06	2.02E-06	0.00E+00	0.00E+00	8.82E-07	1.66E-07	1.05E-06	1.63E-07	1.57E-07	2.42E-06
5663	482995.45	3853683.19	5.71E-03	5.82E-03	5.82E-03	1.98E-06	5.96E-06	3.45E-06	3.52E-06	3.19E-06	1.46E-06	1.46E-06	0.00E+00	0.00E+00	6.35E-07	1.20E-07	7.59E-07	1.17E-07	1.13E-07	1.74E-06
5664	483036.7	3853763.75	4.56E-03	4.65E-03	4.65E-03	1.58E-06	4.77E-06	2.76E-06	2.82E-06	2.55E-06	1.16E-06	1.16E-06	0.00E+00	0.00E+00	5.08E-07	9.56E-08	6.07E-07	9.35E-08	9.01E-08	1.39E-06
5665	483214.2	3853909.91	3.31E-03	3.37E-03	3.37E-03	1.14E-06	3.46E-06	2.00E-06	2.04E-06	1.85E-06	8.44E-07	8.43E-07	0.00E+00	0.00E+00	3.68E-07	6.93E-08	4.40E-07	6.78E-08	6.53E-08	1.01E-06
5666	483307.01	3853910.44	3.35E-03	3.42E-03	3.42E-03	1.16E-06	3.50E-06	2.03E-06	2.07E-06	1.88E-06	8.56E-07	8.55E-07	0.00E+00	0.00E+00	3.73E-07	7.02E-08	4.46E-07	6.87E-08	6.62E-08	1.02E-06
5667	483399.83	3853910.96	3.34E-03	3.41E-03	3.40E-03	1.16E-06	3.49E-06	2.02E-06	2.06E-06	1.87E-06	8.53E-07	8.52E-07	0.00E+00	0.00E+00	3.72E-07	7.00E-08	4.44E-07	6.85E-08	6.59E-08	1.02E-06
5668	483494.52	3854009.24	2.93E-03	2.99E-03	2.99E-03	1.02E-06	3.07E-06	1.78E-06	1.81E-06	1.64E-06	7.49E-07	7.49E-07	0.00E+00	0.00E+00	3.27E-07	6.15E-08	3.90E-07	6.02E-08	5.80E-08	8.97E-07
5669	483496.41	3854106.98	2.63E-03	2.68E-03	2.68E-03	9.09E-07	2.75E-06	1.59E-06	1.62E-06	1.47E-06	6.71E-07	6.70E-07	0.00E+00	0.00E+00	2.92E-07	5.51E-08	3.49E-07	5.39E-08	5.19E-08	8.03E-07
5670	483577.56	3854261.96	2.19E-03	2.23E-03	2.23E-03	7.57E-07	2.29E-06	1.32E-06	1.35E-06	1.22E-06	5.58E-07	5.58E-07	0.00E+00	0.00E+00	2.43E-07	4.58E-08	2.91E-07	4.48E-08	4.32E-08	6.68E-07
5671	483656.83	3854319.19	2.04E-03	2.08E-03	2.08E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.20E-07	5.20E-07	0.00E+00	0.00E+00	2.27E-07	4.27E-08	2.71E-07	4.18E-08	4.02E-08	6.22E-07
5672	483736.1	3854376.41	1.90E-03	1.94E-03	1.93E-03	6.57E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.84E-07	4.84E-07	0.00E+00	0.00E+00	2.11E-07	3.98E-08	2.52E-07	3.89E-08	3.75E-08	5.79E-07
5673	483815.37	3854433.64	1.77E-03	1.81E-03	1.80E-03	6.13E-07	1.85E-06	1.07E-06	1.09E-06	9.91E-07	4.52E-07	4.51E-07	0.00E+00	0.00E+00	1.97E-07	3.71E-08	2.35E-07	3.63E-08	3.50E-08	5.41E-07
5674	483894.63	3854490.87	1.65E-03	1.68E-03	1.68E-03	5.70E-07	1.72E-06	9.97E-07	1.02E-06	9.22E-07	4.21E-07	4.20E-07	0.00E+00	0.00E+00	1.83E-07	3.45E-08	2.19E-07	3.38E-08	3.25E-08	5.03E-07
5675	483973.9	3854548.1	1.54E-03	1.57E-03	1.57E-03	5.33E-07	1.61E-06	9.31E-07	9.50E-07	8.62E-07	3.93E-07	3.93E-07	0.00E+00	0.00E+00	1.71E-07	3.23E-08	2.05E-07	3.16E-08	3.04E-08	4.70E-07
5676	484053.17	3854605.32	1.46E-03	1.49E-03	1.49E-03	5.06E-07	1.53E-06	8.84E-07	9.02E-07	8.18E-07	3.73E-07	3.73E-07	0.00E+00	0.00E+00	1.63E-07	3.06E-08	1.94E-07	3.00E-08	2.89E-08	4.46E-07
5677	484214.97	3854698.15	1.37E-03	1.40E-03	1.40E-03	4.75E-07	1.43E-06	8.30E-07	8.47E-07	7.68E-07	3.51E-07	3.50E-07	0.00E+00	0.00E+00	1.53E-07	2.88E-08	1.83E-07	2.81E-08	2.71E-08	4.19E-07
5678	484297.5	3854733.74	1.38E-03	1.41E-03	1.40E-03	4.77E-07	1.44E-06	8.34E-07	8.51E-07	7.71E-07	3.52E-07	3.51E-07	0.00E+00	0.00E+00	1.53E-07	2.89E-08	1.83E-07	2.82E-08	2.72E-08	4.21E-07
5679	484380.03	3854769.34	1.36E-03	1.38E-03	1.38E-03	4.70E-07	1.42E-06	8.21E-07	8.38E-07	7.59E-07	3.47E-07	3.46E-07	0.00E+00	0.00E+00	1.51E-07	2.84E-08	1.80E-07	2.78E-08	2.68E-08	4.15E-07
5680	484462.56	3854804.94	1.36E-03	1.38E-03	1.38E-03	4.70E-07	1.42E-06	8.21E-07	8.37E-07	7.59E-07	3.46E-07	3.46E-07	0.00E+00	0.00E+00	1.51E-07	2.84E-08	1.80E-07	2.78E-08	2.68E-08	4.14E-07
5681	484545.09	3854840.53	1.33E-03	1.36E-03	1.36E-03	4.61E-07	1.39E-06	8.05E-07	8.21E-07	7.45E-07	3.40E-07	3.39E-07	0.00E+00	0.00E+00	1.48E-07	2.79E-08	1.77E-07	2.73E-08	2.63E-08	4.06E-07
5682	484691.88	3854912.59	1.33E-03	1.36E-03	1.35E-03	4.60E-07	1.39E-06	8.04E-07	8.20E-07	7.43E-07	3.39E-07	3.39E-07	0.00E+00	0.00E+00	1.48E-07	2.78E-08	1.77E-07	2.72E-08	2.62E-08	4.06E-07
5683	484830.81	3855012.51	1.30E-03	1.33E-03	1.32E-03	4.50E-07	1.36E-06	7.86E-07	8.02E-07	7.27E-07	3.32E-07	3.31E-07	0.00E+00	0.00E+00	1.45E-07	2.72E-08	1.73E-07	2.66E-08	2.57E-08	3.97E-07
5684	484905.48	3855075.97	1.29E-03	1.32E-03	1.32E-03	4.47E-07	1.35E-06	7.81E-07	7.97E-07	7.23E-07	3.30E-07	3.29E-07	0.00E+00	0.00E+00	1.44E-07	2.71E-08	1.72E-07	2.65E-08	2.55E-08	3.95E-07
5685	484980.14	3855139.44	1.27E-03	1.30E-03	1.30E-03	4.40E-07	1.33E-06	7.69E-07	7.85E-07	7.11E-07	3.25E-07	3.24E-07	0.00E+00	0.00E+00	1.42E-07	2.66E-08	1.69E-07	2.61E-08	2.51E-08	3.88E-07
5686	485054.81	3855202.91	1.24E-03	1.27E-03	1.27E-03	4.30E-07	1.30E-06	7.52E-07	7.67E-07	6.95E-07	3.17E-07	3.17E-07	0.00E+00	0.00E+00	1.38E-07	2.60E-08	1.65E-07	2.55E-08	2.45E-08	3.80E-07
5687	485129.48	3855266.37	1.21E-03	1.23E-03	1.23E-03	4.17E-07	1.26E-06	7.29E-07	7.44E-07	6.75E-07	3.08E-07	3.07E-07	0.00E+00	0.00E+00	1.34E-07	2.53E-08	1.60E-07	2.47E-08	2.38E-08	3.68E-07
5688	485204.15	3855329.84	1.19E-03	1.21E-03	1.21E-03	4.11E-07	1.24E-06	7.19E-07	7.34E-07	6.65E-07	3.03E-07	3.03E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.35E-08	3.63E-07
5689	485278.82	3855393.31	1.16E-03	1.19E-03	1.18E-03	4.02E-07	1.21E-06	7.03E-07	7.18E-07	6.50E-07	2.97E-07	2.96E-07	0.00E+00	0.00E+00	1.29E-07	2.44E-08	1.55E-07	2.38E-08	2.30E-08	3.55E-07
5690	485353.48	3855456.77	1.14E-03	1.17E-03	1.16E-03	3.95E-07	1.19E-06	6.91E-07	7.05E-07	6.39E-07	2.92E-07	2.91E-07	0.00E+00	0.00E+00	1.27E-07	2.39E-08	1.52E-07	2.34E-08	2.26E-08	3.49E-07
5691	485428.15	3855520.24	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.77E-07	6.90E-07	6.26E-07	2.86E-07	2.85E-07	0.00E+00	0.00E+00	1.24E-07	2.34E-08	1.49E-07	2.29E-08	2.21E-08	3.42E-07
5692	485502.82	3855583.71	1.10E-03	1.12E-03	1.12E-03	3.80E-07	1.15E-06	6.64E-07	6.77E-07	6.14E-07	2.80E-07	2.80E-07	0.00E+00	0.00E+00	1.22E-07	2.30E-08	1.46E-07	2.25E-08	2.17E-08	3.35E-07
5693	485577.49	3855647.17	1.08E-03	1.10E-03	1.10E-03	3.74E-07	1.13E-06	6.54E-07	6.68E-07	6.05E-07	2.76E-07	2.76E-07	0.00E+00	0.00E+00	1.20E-07	2.27E-08	1.44E-07	2.22E-08	2.14E-08	3.30E-07
5694	485652.16	3855710.64	1.07E-03	1.09E-03	1.09E-03	3.69E-07	1.11E-06	6.45E-07	6.59E-07	5.97E-07	2.72E-07	2.72E-07	0.00E+00	0.00E+00	1.19E-07	2.24E-08	1.42E-07	2.19E-08	2.11E-08	3.26E-07
5695	485726.83	3855774.11	1.05E-03	1.07E-03	1.07E-03	3.63E-07	1.10E-06	6.35E-07	6.47E-07	5.87E-07	2.68E-07	2.68E-07	0.00E+00	0.00E+00	1.17E-07	2.20E-08	1.39E-07	2.15E-08	2.07E-08	3.20E-07
5696	485801.49	3855837.57	1.03E-03	1.05E-03	1.05E-03	3.56E-07	1.08E-06	6.23E-07	6.36E-07	5.76E-07	2.63E-07	2.63E-07	0.00E+00	0.00E+00	1.15E-07	2.16E-08	1.37E-07	2.11E-08	2.03E-08	3.15E-07
5697	485876.16	3855901.04	1.01E-03	1.03E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.26E-07	5.67E-07	2.59E-07	2.59E-07	0.00E+00	0.00E+00	1.13E-07	2.12E-08	1.35E-07	2.08E-08	2.00E-08	3.10E-07
5698	485950.83	3855964.5	9.98E-04	1.02E-03	1.02E-03	3.45E-07	1.04E-06	6.04E-07	6.16E-07	5.58E-07	2.55E-07	2.55E-07	0.00E+00	0.00E+00	1.11E-07	2.09E-08	1.33E-07	2.05E-08	1.97E-08	3.05E-07
5699	486025.5	3856027.97	9.80E-04	1.00E-03	9.99E-04	3.39E-07	1.02E-06	5.93E-07	6.05E-07	5.49E-07	2.50E-07	2.50E-07	0.00E+00	0.00E+00	1.09E-07	2.05E-08	1.30E-07	2.01E-08	1.94E-08	2.99E-07
5700	486100.17	3856091.44	9.74E-04	9.93E-04	9.92E-04	3.37E-07	1.02E-06	5.89E-07	6.01E-07	5.45E-07	2.49E-07	2.48E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.29E-07	2.00E-08	1.92E-08	2.97E-07
5701	486174.83	3856154.9	9.57E-04	9.76E-04	9.75E-04	3.31E-07	1.00E-06	5.79E-07	5.91E-07	5.35E-07	2.44E-07	2.44E-07	0.00E+00	0.00E+00	1.07E-07	2.01E-08	1.27E-07	1.96E-08	1.89E-08	2.92E-07
5702	486249.5	3856218.37	9.33E-04	9.52E-04	9.51E-04	3.23E-07	9.75E-07	5.64E-07	5.76E-07	5.22E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07
5703	486324.17	3856281.84	9.11E-04	9.29E-04	9.28E-04	3.15E-07	9.52E-07	5.51E-07	5.62E-07	5.10E-07	2.33E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
5704	486398.84	3856345.3	9.04E-04	9.23E-04	9.22E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.20E-07	1.85E-08	1.79E-08	2.76E-07
5705	486473.51	3856408.77	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.53E-07	5.01E-07	2.29E-07	2.28E-07	0.00E+00	0.00E+00	9.96E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.73E-07

5706	486548.17	3856472.24	8.91E-04	9.10E-04	9.08E-04	3.09E-07	9.32E-07	5.39E-07	5.50E-07	4.99E-07	2.28E-07	2.27E-07	0.00E+00	0.00E+00	9.92E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.72E-07
5707	486622.84	3856535.7	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.90E-08	1.86E-08	1.18E-07	1.82E-08	1.76E-08	2.72E-07
5708	486765.48	3856659.69	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.32E-07	5.40E-07	5.51E-07	4.99E-07	2.28E-07	2.27E-07	0.00E+00	0.00E+00	9.93E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.72E-07
5709	486833.44	3856720.2	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.28E-07	2.28E-07	0.00E+00	0.00E+00	9.94E-08	1.87E-08	1.19E-07	1.83E-08	1.76E-08	2.73E-07
5710	486901.41	3856780.72	8.96E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.42E-07	5.53E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.98E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
5711	486969.38	3856841.24	9.00E-04	9.18E-04	9.17E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.75E-07
5712	487037.34	3856901.75	9.05E-04	9.23E-04	9.22E-04	3.13E-07	9.46E-07	5.47E-07	5.59E-07	5.06E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.20E-07	1.86E-08	1.79E-08	2.76E-07
5713	487271.23	3856855.51	9.06E-04	9.24E-04	9.23E-04	3.14E-07	9.47E-07	5.48E-07	5.59E-07	5.07E-07	2.31E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.20E-07	1.86E-08	1.79E-08	2.77E-07
5714	487368.96	3856857.29	9.03E-04	9.22E-04	9.20E-04	3.13E-07	9.44E-07	5.46E-07	5.58E-07	5.05E-07	2.31E-07	2.30E-07	0.00E+00	0.00E+00	1.01E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.76E-07
5715	487466.68	3856859.06	9.03E-04	9.22E-04	9.20E-04	3.13E-07	9.44E-07	5.46E-07	5.58E-07	5.05E-07	2.31E-07	2.30E-07	0.00E+00	0.00E+00	1.01E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.76E-07
5716	487636.44	3856930	9.10E-04	9.29E-04	9.28E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
5717	487709.57	3856928.43	9.14E-04	9.33E-04	9.32E-04	3.16E-07	9.55E-07	5.53E-07	5.64E-07	5.12E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.87E-08	1.81E-08	2.79E-07
5718	487782.55	3856841.96	9.11E-04	9.29E-04	9.28E-04	3.15E-07	9.52E-07	5.51E-07	5.62E-07	5.10E-07	2.33E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.78E-07
5719	487849.83	3856754.74	9.08E-04	9.27E-04	9.26E-04	3.14E-07	9.50E-07	5.50E-07	5.61E-07	5.08E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.78E-07
5720	487918.03	3856819.39	9.17E-04	9.35E-04	9.34E-04	3.17E-07	9.58E-07	5.55E-07	5.66E-07	5.13E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
5721	487918.8	3856886.37	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.71E-07	5.17E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.82E-07
5722	488065.47	3857127.51	9.53E-04	9.72E-04	9.71E-04	3.30E-07	9.96E-07	5.77E-07	5.88E-07	5.33E-07	2.43E-07	2.43E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.95E-08	1.88E-08	2.91E-07
5723	488192.19	3857385.84	1.02E-03	1.04E-03	1.04E-03	3.54E-07	1.07E-06	6.19E-07	6.31E-07	5.72E-07	2.61E-07	2.61E-07	0.00E+00	0.00E+00	1.14E-07	2.14E-08	1.36E-07	2.10E-08	2.02E-08	3.12E-07
5724	488191.22	3857473.87	1.06E-03	1.08E-03	1.08E-03	3.65E-07	1.10E-06	6.39E-07	6.52E-07	5.91E-07	2.70E-07	2.69E-07	0.00E+00	0.00E+00	1.17E-07	2.21E-08	1.40E-07	2.16E-08	2.08E-08	3.22E-07
5725	488190.24	3857561.91	1.09E-03	1.12E-03	1.12E-03	3.79E-07	1.14E-06	6.62E-07	6.76E-07	6.12E-07	2.79E-07	2.79E-07	0.00E+00	0.00E+00	1.22E-07	2.29E-08	1.45E-07	2.24E-08	2.16E-08	3.34E-07
5726	488158.35	3857691.13	1.16E-03	1.18E-03	1.18E-03	4.00E-07	1.21E-06	7.00E-07	7.14E-07	6.47E-07	2.95E-07	2.95E-07	0.00E+00	0.00E+00	1.29E-07	2.42E-08	1.54E-07	2.37E-08	2.28E-08	3.53E-07
5727	488208.37	3857816.66	1.24E-03	1.26E-03	1.26E-03	4.29E-07	1.29E-06	7.49E-07	7.64E-07	6.93E-07	3.16E-07	3.16E-07	0.00E+00	0.00E+00	1.38E-07	2.59E-08	1.65E-07	2.54E-08	2.45E-08	3.78E-07
5728	488271.97	3857874.6	1.29E-03	1.31E-03	1.31E-03	4.46E-07	1.35E-06	7.79E-07	7.95E-07	7.21E-07	3.29E-07	3.29E-07	0.00E+00	0.00E+00	1.43E-07	2.70E-08	1.71E-07	2.64E-08	2.54E-08	3.94E-07
5729	488463.56	3857942.31	1.39E-03	1.42E-03	1.42E-03	4.82E-07	1.45E-06	8.42E-07	8.59E-07	7.79E-07	3.55E-07	3.55E-07	0.00E+00	0.00E+00	1.55E-07	2.92E-08	1.85E-07	2.85E-08	2.75E-08	4.25E-07
5730	488554.83	3857940.83	1.40E-03	1.43E-03	1.43E-03	4.84E-07	1.46E-06	8.46E-07	8.64E-07	7.83E-07	3.57E-07	3.57E-07	0.00E+00	0.00E+00	1.56E-07	2.93E-08	1.86E-07	2.87E-08	2.76E-08	4.27E-07
5731	488646.1	3857939.36	1.41E-03	1.43E-03	1.43E-03	4.87E-07	1.47E-06	8.51E-07	8.68E-07	7.87E-07	3.59E-07	3.59E-07	0.00E+00	0.00E+00	1.57E-07	2.95E-08	1.87E-07	2.88E-08	2.78E-08	4.30E-07
5732	488737.37	3857937.88	1.42E-03	1.44E-03	1.44E-03	4.90E-07	1.48E-06	8.57E-07	8.74E-07	7.92E-07	3.62E-07	3.61E-07	0.00E+00	0.00E+00	1.58E-07	2.97E-08	1.88E-07	2.90E-08	2.80E-08	4.33E-07
5733	488733.59	3857960.57	1.44E-03	1.47E-03	1.46E-03	4.97E-07	1.50E-06	8.70E-07	8.87E-07	8.04E-07	3.67E-07	3.67E-07	0.00E+00	0.00E+00	1.60E-07	3.01E-08	1.91E-07	2.95E-08	2.84E-08	4.39E-07
5734	488638.09	3857961.57	1.43E-03	1.46E-03	1.45E-03	4.94E-07	1.49E-06	8.63E-07	8.81E-07	7.99E-07	3.64E-07	3.64E-07	0.00E+00	0.00E+00	1.59E-07	2.99E-08	1.90E-07	2.93E-08	2.82E-08	4.36E-07
5735	488542.6	3857962.56	1.42E-03	1.45E-03	1.45E-03	4.92E-07	1.49E-06	8.61E-07	8.78E-07	7.96E-07	3.63E-07	3.63E-07	0.00E+00	0.00E+00	1.58E-07	2.98E-08	1.89E-07	2.92E-08	2.81E-08	4.35E-07
5736	488447.1	3857963.56	1.41E-03	1.44E-03	1.44E-03	4.89E-07	1.48E-06	8.55E-07	8.72E-07	7.90E-07	3.61E-07	3.60E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.90E-08	2.79E-08	4.31E-07
5737	488254.28	3857890.36	1.30E-03	1.33E-03	1.33E-03	4.50E-07	1.36E-06	7.87E-07	8.03E-07	7.28E-07	3.32E-07	3.32E-07	0.00E+00	0.00E+00	1.45E-07	2.73E-08	1.73E-07	2.67E-08	2.57E-08	3.97E-07
5738	488191.69	3857833.06	1.25E-03	1.27E-03	1.27E-03	4.31E-07	1.30E-06	7.54E-07	7.69E-07	6.97E-07	3.18E-07	3.18E-07	0.00E+00	0.00E+00	1.39E-07	2.61E-08	1.66E-07	2.55E-08	2.46E-08	3.81E-07
5739	488129.5	3857907.43	1.29E-03	1.32E-03	1.32E-03	4.47E-07	1.35E-06	7.81E-07	7.97E-07	7.23E-07	3.30E-07	3.29E-07	0.00E+00	0.00E+00	1.44E-07	2.71E-08	1.72E-07	2.65E-08	2.55E-08	3.94E-07
5740	488196.47	3857968.74	1.36E-03	1.38E-03	1.38E-03	4.69E-07	1.42E-06	8.20E-07	8.37E-07	7.59E-07	3.46E-07	3.46E-07	0.00E+00	0.00E+00	1.51E-07	2.84E-08	1.80E-07	2.78E-08	2.68E-08	4.14E-07
5741	488263.44	3858030.04	1.43E-03	1.46E-03	1.46E-03	4.96E-07	1.50E-06	8.66E-07	8.84E-07	8.01E-07	3.66E-07	3.65E-07	0.00E+00	0.00E+00	1.59E-07	3.00E-08	1.90E-07	2.94E-08	2.83E-08	4.37E-07
5742	488400.64	3858132.9	1.60E-03	1.63E-03	1.63E-03	5.53E-07	1.67E-06	9.67E-07	9.87E-07	8.94E-07	4.08E-07	4.08E-07	0.00E+00	0.00E+00	1.78E-07	3.35E-08	2.13E-07	3.28E-08	3.16E-08	4.88E-07
5743	488519.89	3858218.38	1.80E-03	1.83E-03	1.83E-03	6.21E-07	1.88E-06	1.09E-06	1.11E-06	1.00E-06	4.58E-07	4.58E-07	0.00E+00	0.00E+00	2.00E-07	3.76E-08	2.39E-07	3.68E-08	3.55E-08	5.48E-07
5744	488647.97	3858214.99	1.80E-03	1.84E-03	1.84E-03	6.23E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.60E-07	4.59E-07	0.00E+00	0.00E+00	2.00E-07	3.77E-08	2.39E-07	3.69E-08	3.56E-08	5.50E-07
5745	488727.05	3858167.67	1.72E-03	1.76E-03	1.76E-03	5.96E-07	1.80E-06	1.04E-06	1.06E-06	9.64E-07	4.40E-07	4.39E-07	0.00E+00	0.00E+00	1.92E-07	3.61E-08	2.29E-07	3.53E-08	3.40E-08	5.26E-07
5746	488806.12	3858120.35	1.65E-03	1.69E-03	1.68E-03	5.72E-07	1.73E-06	9.99E-07	1.02E-06	9.24E-07	4.22E-07	4.21E-07	0.00E+00	0.00E+00	1.84E-07	3.46E-08	2.20E-07	3.39E-08	3.26E-08	5.04E-07
5747	488885.2	3858073.03	1.58E-03	1.62E-03	1.61E-03	5.48E-07	1.66E-06	9.58E-07	9.78E-07	8.86E-07	4.04E-07	4.04E-07	0.00E+00	0.00E+00	1.76E-07	3.32E-08	2.11E-07	3.25E-08	3.13E-08	4.84E-07
5748	489055.76	3857991.18	1.46E-03	1.49E-03	1.49E-03	5.07E-07	1.53E-06	8.86E-07	9.04E-07	8.20E-07	3.74E-07	3.74E-07	0.00E+00	0.00E+00	1.63E-07	3.07E-08	1.95E-07	3.00E-08	2.89E-08	4.48E-07
5749	489245.39	3857944.55	1.34E-03	1.37E-03	1.37E-03	4.65E-07	1.40E-06	8.12E-07	8.29E-07	7.51E-07	3.43E-07	3.42E-07	0.00E+00	0.00E+00	1.49E-07	2.81E-08	1.78E-07	2.75E-08	2.65E-08	4.10E-07
5750	489430.63	3857930.91	1.28E-03	1.30E-03	1.30E-03	4.42E-07	1.33E-06	7.72E-07	7.88E-07	7.14E-07	3.26E-07	3.26E-07	0.00E+00	0.00E+00	1.42E-07	2.67E-08	1.70E-07	2.62E-08	2.52E-08	3.90E-07
5751	489517.74	3857929.36	1.25E-03	1.28E-03	1.28E-03	4.33E-07	1.31E-06	7.57E-07	7.72E-07	7.00E-07	3.20E-07	3.19E-07	0.00E+00	0.00E+00	1.39E-07	2.62E-08	1.66E-07	2.57E-08	2.47E-08	3.82E-07
5752	489604.86	3857927.82	1.23E-03	1.25E-03	1.25E-03	4.25E-07	1.28E-06	7.43E-07	7.58E-07	6.87E-07	3.14E-07	3.13E-07	0.00E+00	0.00E+00	1.37E-07	2.57E-08	1.63E-07	2.52E-08	2.43E-08	3.75E-07
5753	489691.97	3857926.28	1.22E-03	1.24E-03	1.24E-03	4.21E-07	1.27E-06	7.36E-07	7.51E-07	6.81E-07	3.11E-07	3.10E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.49E-08	2.40E-08	3.72E-07
5754	489779.08	3857924.73	1.20E-03	1.23E-03	1.23E-03	4.17E-07	1.26E-06	7.29E-07	7.44E-07	6.74E-07	3.08E-07	3.07E-07	0.00E+00	0.00E+00	1.34E-07	2.52E-08	1.60E-07	2.47E-08	2.38E-08	3.68E-07
5755	490017.55	3857875.09	1.13E-03	1.16E-03	1.15E-03	3.92E-07	1.18E-06	6.86E-07	7.00E-07	6.34E-07	2.89E-07	2.89E-07	0.00E+00	0.00E+00	1.26E-07	2.37E-08	1.51E-07	2.32E-08	2.24E-08	3.46E-07
5756	490033.82	3857960.81	1.22E-03	1.24E-03	1.24E-03	4.22E-07	1.27E-06	7.38E-07	7.53E-07	6.82E-07	3.11E-07	3.11E-07	0.00E+00	0.00E+00	1.36E-07	2.55E-08	1.62E-07	2.50E-08	2.41E-08	3.72E-07
5757	489959.15	3857987.49	1.27E-03	1.29E-03	1.29E-03	4.38E-07	1.32E-06	7.66E-07	7.81E-07	7.08E-07	3.23E-07	3.23E-07	0.00E+00	0.00E+00	1.41E-07	2.65E-08	1.68E-07	2.59E-08	2.50E-08	3.87E-07
5758	489791.49	3858016.12	1.29E-03	1.32E-03	1.32E-03	4.48E-07	1.35E-06	7.83E-07	7.99E-07	7.24E-07	3.31E-07	3.30E-07	0.00E+00	0.00E+00	1.44E-07	2.71E-08	1.72E-07	2.65E-08	2.56E-08	3.95E-07
5759	489698.51	3858018.07	1.31E-03	1.34E-03	1.34E-03	4.54E-07	1.37E-06	7.94E-07	8.11E-07	7.35E-07	3.35E-07	3.35E-07	0.00E+00	0.00E+00	1.46E-07	2.75E-08	1.75E-07	2.69E-08	2.59E-08	4.01E-07
5760	489605.52	3858020.02	1.33E-03	1.36E-03	1.36E-03	4.62E-07	1.39E-06	8.07E-07	8.24E-07	7.47E-07	3.41E-07	3.40E-07	0.00E+00	0.00E+00	1.48E-07	2.80E-08	1.77E-07	2.74E-08	2.63E-08	4.08E-07
5761	489512.53	3858021.96	1.36E-03	1.39E-03	1.39E-03	4.71E-07	1.42E-06	8.23E-07	8.40E-07	7.61E-07	3.47E-07	3.47E-07	0.00E+00	0.00E+00	1.51E-07	2.85E-08	1.81E-07	2.79E-08	2.69E-08	4.15E-07

5762	489419.55	3858023.91	1.39E-03	1.42E-03	1.42E-03	4.83E-07	1.46E-06	8.44E-07	8.61E-07	7.80E-07	3.56E-07	3.56E-07	0.00E+00	0.00E+00	1.55E-07	2.92E-08	1.85E-07	2.86E-08	2.75E-08	4.26E-07
5763	489228.47	3858041.29	1.45E-03	1.48E-03	1.48E-03	5.02E-07	1.52E-06	8.77E-07	8.95E-07	8.11E-07	3.70E-07	3.70E-07	0.00E+00	0.00E+00	1.61E-07	3.04E-08	1.93E-07	2.97E-08	2.86E-08	4.43E-07
5764	489065.75	3858085.78	1.58E-03	1.61E-03	1.61E-03	5.45E-07	1.65E-06	9.53E-07	9.73E-07	8.82E-07	4.02E-07	4.02E-07	0.00E+00	0.00E+00	1.75E-07	3.30E-08	2.10E-07	3.23E-08	3.11E-08	4.81E-07
5765	489001.12	3858114.86	1.63E-03	1.67E-03	1.67E-03	5.66E-07	1.71E-06	9.89E-07	1.01E-06	9.15E-07	4.17E-07	4.17E-07	0.00E+00	0.00E+00	1.82E-07	3.43E-08	2.17E-07	3.35E-08	3.23E-08	4.99E-07
5766	488861.89	3858189.81	1.76E-03	1.80E-03	1.80E-03	6.11E-07	1.84E-06	1.07E-06	1.09E-06	9.88E-07	4.51E-07	4.50E-07	0.00E+00	0.00E+00	1.96E-07	3.70E-08	2.35E-07	3.62E-08	3.49E-08	5.39E-07
5767	488787.29	3858235.69	1.86E-03	1.90E-03	1.89E-03	6.44E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.75E-07	4.74E-07	0.00E+00	0.00E+00	2.07E-07	3.90E-08	2.47E-07	3.81E-08	3.67E-08	5.68E-07
5768	488712.68	3858281.57	1.95E-03	1.99E-03	1.99E-03	6.74E-07	2.04E-06	1.18E-06	1.20E-06	1.09E-06	4.97E-07	4.97E-07	0.00E+00	0.00E+00	2.17E-07	4.08E-08	2.59E-07	3.99E-08	3.85E-08	5.95E-07
5769	488654.39	3858436.17	2.41E-03	2.46E-03	2.45E-03	8.33E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.15E-07	6.14E-07	0.00E+00	0.00E+00	2.68E-07	5.05E-08	3.20E-07	4.94E-08	4.76E-08	7.35E-07
5770	488726.31	3858505.26	2.74E-03	2.80E-03	2.79E-03	9.49E-07	2.86E-06	1.66E-06	1.69E-06	1.53E-06	7.00E-07	6.99E-07	0.00E+00	0.00E+00	3.05E-07	5.74E-08	3.64E-07	5.62E-08	5.41E-08	8.37E-07
5771	488880.6	3858599.28	3.45E-03	3.52E-03	3.52E-03	1.20E-06	3.61E-06	2.09E-06	2.13E-06	1.93E-06	8.82E-07	8.81E-07	0.00E+00	0.00E+00	3.84E-07	7.24E-08	4.59E-07	7.08E-08	6.82E-08	1.06E-06
5772	489008.06	3858714.75	5.06E-03	5.16E-03	5.16E-03	1.75E-06	5.29E-06	3.06E-06	3.12E-06	2.83E-06	1.29E-06	1.29E-06	0.00E+00	0.00E+00	5.63E-07	1.06E-07	6.73E-07	1.04E-07	1.00E-07	1.55E-06
5773	489071.48	3858772.72	7.34E-03	7.49E-03	7.48E-03	2.54E-06	7.67E-06	4.44E-06	4.53E-06	4.11E-06	1.87E-06	1.87E-06	0.00E+00	0.00E+00	8.17E-07	1.54E-07	9.76E-07	1.50E-07	1.45E-07	2.24E-06
5774	489244.6	3858920.2	2.42E-02	2.47E-02	2.47E-02	8.37E-06	2.53E-05	1.46E-05	1.49E-05	1.35E-05	6.18E-06	6.17E-06	0.00E+00	0.00E+00	2.69E-06	5.07E-07	3.22E-06	4.96E-07	4.78E-07	7.39E-06
5775	489239.69	3858952.23	3.07E-02	3.13E-02	3.13E-02	1.06E-05	3.21E-05	1.86E-05	1.90E-05	1.72E-05	7.85E-06	7.84E-06	0.00E+00	0.00E+00	3.42E-06	6.44E-07	4.09E-06	6.30E-07	6.07E-07	9.39E-06
5776	489121.67	3858854.49	1.68E-02	1.71E-02	1.71E-02	5.80E-06	1.75E-05	1.01E-05	1.03E-05	9.38E-06	4.28E-06	4.27E-06	0.00E+00	0.00E+00	1.86E-06	3.51E-07	2.23E-06	3.44E-07	3.31E-07	5.12E-06
5777	489059.59	3858797.27	9.00E-03	9.19E-03	9.18E-03	3.12E-06	9.41E-06	5.45E-06	5.56E-06	5.04E-06	2.30E-06	2.30E-06	0.00E+00	0.00E+00	1.00E-06	1.89E-07	1.20E-06	1.85E-07	1.78E-07	2.75E-06
5778	488997.52	3858740.04	5.69E-03	5.81E-03	5.80E-03	1.97E-06	5.95E-06	3.44E-06	3.51E-06	3.19E-06	1.45E-06	1.45E-06	0.00E+00	0.00E+00	6.33E-07	1.19E-07	7.57E-07	1.17E-07	1.12E-07	1.74E-06
5779	488935.44	3858682.82	4.44E-03	4.53E-03	4.52E-03	1.54E-06	4.64E-06	2.68E-06	2.74E-06	2.48E-06	1.13E-06	1.13E-06	0.00E+00	0.00E+00	4.94E-07	9.30E-08	5.90E-07	9.10E-08	8.76E-08	1.36E-06
5780	488869.17	3858848.43	1.35E-02	1.38E-02	1.38E-02	4.68E-06	1.41E-05	8.18E-06	8.35E-06	7.57E-06	3.45E-06	3.45E-06	0.00E+00	0.00E+00	1.51E-06	2.83E-07	1.80E-06	2.77E-07	2.67E-07	4.13E-06
5781	488932.48	3858892.69	4.67E-02	4.76E-02	4.76E-02	1.62E-05	4.88E-05	2.82E-05	2.88E-05	2.61E-05	1.19E-05	1.19E-05	0.00E+00	0.00E+00	5.19E-06	9.78E-07	6.21E-06	9.57E-07	9.22E-07	1.43E-05
5782	489063.27	3858977.17	7.95E-02	8.11E-02	8.10E-02	2.75E-05	8.30E-05	4.81E-05	4.91E-05	4.45E-05	2.03E-05	2.03E-05	0.00E+00	0.00E+00	8.84E-06	1.67E-06	1.06E-05	1.63E-06	1.57E-06	2.43E-05
5783	489248.2	3859117.15	9.59E-02	9.79E-02	9.77E-02	3.32E-05	1.00E-04	5.80E-05	5.92E-05	5.37E-05	2.45E-05	2.45E-05	0.00E+00	0.00E+00	1.07E-05	2.01E-06	1.28E-05	1.97E-06	1.89E-06	2.93E-05
5784	489296.25	3859049.22	4.94E-02	5.04E-02	5.04E-02	1.71E-05	5.16E-05	2.99E-05	3.05E-05	2.77E-05	1.26E-05	1.26E-05	0.00E+00	0.00E+00	5.50E-06	1.04E-06	6.57E-06	1.01E-06	9.76E-07	1.51E-05
5785	489353.38	3858993.97	2.99E-02	3.06E-02	3.05E-02	1.04E-05	3.13E-05	1.81E-05	1.85E-05	1.68E-05	7.65E-06	7.64E-06	0.00E+00	0.00E+00	3.33E-06	6.28E-07	3.98E-06	6.14E-07	5.91E-07	9.15E-06
5786	489537.25	3859120.22	3.69E-02	3.77E-02	3.77E-02	1.28E-05	3.86E-05	2.24E-05	2.28E-05	2.07E-05	9.44E-06	9.42E-06	0.00E+00	0.00E+00	4.11E-06	7.74E-07	4.91E-06	7.58E-07	7.30E-07	1.13E-05
5787	489726.98	3859246.04	4.38E-02	4.47E-02	4.46E-02	1.52E-05	4.58E-05	2.65E-05	2.70E-05	2.45E-05	1.12E-05	1.12E-05	0.00E+00	0.00E+00	4.87E-06	9.18E-07	5.82E-06	8.98E-07	8.65E-07	1.34E-05
5788	489911.46	3859366.33	4.97E-02	5.08E-02	5.07E-02	1.72E-05	5.20E-05	3.01E-05	3.07E-05	2.78E-05	1.27E-05	1.27E-05	0.00E+00	0.00E+00	5.54E-06	1.04E-06	6.61E-06	1.02E-06	9.82E-07	1.52E-05
5789	490035.3	3859430.26	5.00E-02	5.10E-02	5.09E-02	1.73E-05	5.22E-05	3.02E-05	3.08E-05	2.80E-05	1.28E-05	1.27E-05	0.00E+00	0.00E+00	5.56E-06	1.05E-06	6.64E-06	1.02E-06	9.87E-07	1.53E-05
5790	490101.11	3859458.61	4.87E-02	4.97E-02	4.96E-02	1.69E-05	5.09E-05	2.95E-05	3.01E-05	2.73E-05	1.24E-05	1.24E-05	0.00E+00	0.00E+00	5.42E-06	1.02E-06	6.48E-06	9.99E-07	9.62E-07	1.49E-05
5791	490312.68	3859560.3	5.23E-02	5.34E-02	5.33E-02	1.81E-05	5.47E-05	3.17E-05	3.23E-05	2.93E-05	1.34E-05	1.33E-05	0.00E+00	0.00E+00	5.82E-06	1.10E-06	6.96E-06	1.07E-06	1.03E-06	1.60E-05
5792	490401.63	3859603.12	5.55E-02	5.67E-02	5.66E-02	1.92E-05	5.80E-05	3.36E-05	3.43E-05	3.11E-05	1.42E-05	1.42E-05	0.00E+00	0.00E+00	6.18E-06	1.16E-06	7.39E-06	1.14E-06	1.10E-06	1.70E-05
5793	490490.57	3859645.94	5.89E-02	6.01E-02	6.01E-02	2.04E-05	6.16E-05	3.57E-05	3.64E-05	3.30E-05	1.50E-05	1.50E-05	0.00E+00	0.00E+00	6.56E-06	1.23E-06	7.84E-06	1.21E-06	1.16E-06	1.80E-05
5794	490579.51	3859688.76	6.23E-02	6.36E-02	6.35E-02	2.16E-05	6.51E-05	3.77E-05	3.85E-05	3.49E-05	1.59E-05	1.59E-05	0.00E+00	0.00E+00	6.94E-06	1.31E-06	8.29E-06	1.28E-06	1.23E-06	1.90E-05
5795	490668.45	3859731.58	6.42E-02	6.55E-02	6.54E-02	2.22E-05	6.71E-05	3.88E-05	3.96E-05	3.59E-05	1.64E-05	1.64E-05	0.00E+00	0.00E+00	7.15E-06	1.35E-06	8.54E-06	1.32E-06	1.27E-06	1.96E-05
5796	490757.4	3859774.4	7.01E-02	7.15E-02	7.14E-02	2.43E-05	7.32E-05	4.24E-05	4.33E-05	3.92E-05	1.79E-05	1.79E-05	0.00E+00	0.00E+00	7.80E-06	1.47E-06	9.32E-06	1.44E-06	1.38E-06	2.14E-05
5797	491003.53	3859861.82	6.31E-02	6.44E-02	6.44E-02	2.19E-05	6.60E-05	3.82E-05	3.90E-05	3.53E-05	1.61E-05	1.61E-05	0.00E+00	0.00E+00	7.03E-06	1.32E-06	8.40E-06	1.30E-06	1.25E-06	1.93E-05
5798	491081.41	3859879.05	5.63E-02	5.75E-02	5.74E-02	1.95E-05	5.89E-05	3.41E-05	3.48E-05	3.15E-05	1.44E-05	1.44E-05	0.00E+00	0.00E+00	6.27E-06	1.18E-06	7.49E-06	1.15E-06	1.11E-06	1.72E-05
5799	491229.76	3859917.82	4.54E-02	4.64E-02	4.63E-02	1.57E-05	4.75E-05	2.75E-05	2.80E-05	2.54E-05	1.16E-05	1.16E-05	0.00E+00	0.00E+00	5.06E-06	9.52E-07	6.04E-06	9.32E-07	8.97E-07	1.39E-05
5800	491300.22	3859939.35	4.10E-02	4.18E-02	4.18E-02	1.42E-05	4.28E-05	2.48E-05	2.53E-05	2.29E-05	1.05E-05	1.04E-05	0.00E+00	0.00E+00	4.56E-06	8.59E-07	5.45E-06	8.40E-07	8.09E-07	1.25E-05
5801	491350.49	3860012.03	4.55E-02	4.64E-02	4.64E-02	1.57E-05	4.76E-05	2.75E-05	2.81E-05	2.55E-05	1.16E-05	1.16E-05	0.00E+00	0.00E+00	5.06E-06	9.53E-07	6.05E-06	9.33E-07	8.99E-07	1.39E-05
5802	491406.82	3860092.57	5.13E-02	5.23E-02	5.23E-02	1.78E-05	5.36E-05	3.10E-05	3.17E-05	2.87E-05	1.31E-05	1.31E-05	0.00E+00	0.00E+00	5.71E-06	1.07E-06	6.82E-06	1.05E-06	1.01E-06	1.57E-05
5803	491483.37	3860121.96	4.57E-02	4.66E-02	4.66E-02	1.58E-05	4.77E-05	2.76E-05	2.82E-05	2.56E-05	1.17E-05	1.17E-05	0.00E+00	0.00E+00	5.08E-06	9.57E-07	6.07E-06	9.37E-07	9.02E-07	1.40E-05
5804	491559.91	3860151.36	4.11E-02	4.19E-02	4.18E-02	1.42E-05	4.29E-05	2.48E-05	2.54E-05	2.30E-05	1.05E-05	1.05E-05	0.00E+00	0.00E+00	4.57E-06	8.60E-07	5.46E-06	8.42E-07	8.11E-07	1.25E-05
5805	491711.81	3860237.76	2.83E-02	2.89E-02	2.89E-02	9.81E-06	2.96E-05	1.71E-05	1.75E-05	1.59E-05	7.24E-06	7.23E-06	0.00E+00	0.00E+00	3.15E-06	5.94E-07	3.77E-06	5.81E-07	5.60E-07	8.66E-06
5806	491755.2	3860319.07	4.09E-02	4.17E-02	4.17E-02	1.41E-05	4.27E-05	2.47E-05	2.52E-05	2.29E-05	1.04E-05	1.04E-05	0.00E+00	0.00E+00	4.55E-06	8.57E-07	5.44E-06	8.38E-07	8.07E-07	1.25E-05
5807	491704.71	3860366.54	5.85E-02	5.97E-02	5.96E-02	2.02E-05	6.11E-05	3.54E-05	3.61E-05	3.27E-05	1.49E-05	1.49E-05	0.00E+00	0.00E+00	6.51E-06	1.23E-06	7.78E-06	1.20E-06	1.15E-06	1.79E-05
5808	491623.43	3860462.39	3.46E-02	3.53E-02	3.53E-02	1.20E-05	3.62E-05	2.09E-05	2.14E-05	1.94E-05	8.84E-06	8.83E-06	0.00E+00	0.00E+00	3.85E-06	7.25E-07	4.60E-06	7.10E-07	6.83E-07	1.06E-05
5809	491534.02	3860439.85	1.98E-02	2.02E-02	2.02E-02	6.85E-06	2.07E-05	1.20E-05	1.22E-05	1.11E-05	5.05E-06	5.05E-06	0.00E+00	0.00E+00	2.20E-06	4.15E-07	2.63E-06	4.06E-07	3.91E-07	6.05E-06
5810	491313.95	3860268.18	2.68E-02	2.73E-02	2.73E-02	9.28E-06	2.80E-05	1.62E-05	1.65E-05	1.50E-05	6.84E-06	6.84E-06	0.00E+00	0.00E+00	2.98E-06	5.62E-07	3.56E-06	5.50E-07	5.29E-07	8.19E-06
5811	491187.12	3860143.56	3.73E-02	3.81E-02	3.80E-02	1.29E-05	3.90E-05	2.26E-05	2.30E-05	2.09E-05	9.52E-06	9.51E-06	0.00E+00	0.00E+00	4.15E-06	7.81E-07	4.96E-06	7.65E-07	7.37E-07	1.14E-05
5812	491070.43	3860075.97	3.46E-02	3.53E-02	3.53E-02	1.20E-05	3.62E-05	2.09E-05	2.14E-05	1.94E-05	8.84E-06	8.83E-06	0.00E+00	0.00E+00	3.85E-06	7.25E-07	4.60E-06	7.10E-07	6.83E-07	1.06E-05
5813	490995.09	3860039.39	3.24E-02	3.31E-02	3.31E-02	1.12E-05	3.39E-05	1.96E-05	2.00E-05	1.81E-05	8.28E-06	8.27E-06	0.00E+00	0.00E+00	3.61E-06	6.80E-07	4.31E-06	6.65E-07	6.41E-07	9.91E-06
5814	490919.75	3860002.8	3.26E-02	3.33E-02	3.32E-02	1.13E-05	3.41E-05	1.97E-05	2.01E-05	1.82E-05	8.33E-06	8.32E-06	0.00E+00	0.00E+00	3.63E-06	6.83E-07	4.34E-06	6.69E-07	6.44E-07	9.96E-06
5815	490756.81	3859894.53	5.60E-02	5.72E-02	5.71E-02	1.94E-05	5.85E-05	3.39E-05	3.46E-05	3.13E-05	1.43E-05	1.43E-05	0.00E+00	0.00E+00	6.23E-06	1.17E-06	7.45E-06	1.15E-06	1.11E-06	1.71E-05
5816	490668.07	3859860.92	5.36E-02	5.47E-02	5.46E-02	1.85E-05	5.60E-05	3.24E-05	3.31E-05	3.00E-05	1.37E-05	1.37E-05	0.00E+00	0.00E+00	5.96E-06	1.12E-06	7.12E-06	1.10E-06	1.06E-06	1.64E-05
5817	490579.34	3859827.3	5.35E-02	5.46E-02	5.45E-02	1.85E-05	5.59E-05	3.24E-05	3.30E-05	2.99E-05	1.37E-05	1.36E-05	0.00E+00	0.00E+00	5.96E-06	1.12E-06	7.12E-06	1.10E-06	1.06E-06	1.63E-05

5818	490490.6	3859793.68	5.09E-02	5.20E-02	5.19E-02	1.76E-05	5.32E-05	3.08E-05	3.14E-05	2.85E-05	1.30E-05	1.30E-05	0.00E+00	0.00E+00	5.67E-06	1.07E-06	6.77E-06	1.04E-06	1.01E-06	1.56E-05
5819	490401.86	3859760.07	4.92E-02	5.02E-02	5.01E-02	1.70E-05	5.14E-05	2.97E-05	3.04E-05	2.75E-05	1.26E-05	1.25E-05	0.00E+00	0.00E+00	5.47E-06	1.03E-06	6.54E-06	1.01E-06	9.71E-07	1.50E-05
5820	490313.12	3859726.45	4.88E-02	4.98E-02	4.97E-02	1.69E-05	5.10E-05	2.95E-05	3.01E-05	2.73E-05	1.25E-05	1.24E-05	0.00E+00	0.00E+00	5.43E-06	1.02E-06	6.49E-06	1.00E-06	9.63E-07	1.49E-05
5821	490224.39	3859692.83	4.81E-02	4.91E-02	4.90E-02	1.66E-05	5.03E-05	2.91E-05	2.97E-05	2.69E-05	1.23E-05	1.23E-05	0.00E+00	0.00E+00	5.35E-06	1.01E-06	6.39E-06	9.86E-07	9.50E-07	1.47E-05
5822	490135.65	3859659.22	4.70E-02	4.80E-02	4.80E-02	1.63E-05	4.92E-05	2.85E-05	2.90E-05	2.63E-05	1.20E-05	1.20E-05	0.00E+00	0.00E+00	5.24E-06	9.86E-07	6.26E-06	9.65E-07	9.29E-07	1.44E-05
5823	489918.19	3859559.23	4.60E-02	4.69E-02	4.69E-02	1.59E-05	4.80E-05	2.78E-05	2.84E-05	2.57E-05	1.17E-05	1.17E-05	0.00E+00	0.00E+00	5.12E-06	9.63E-07	6.11E-06	9.43E-07	9.08E-07	1.40E-05
5824	489743.61	3859486	3.58E-02	3.66E-02	3.65E-02	1.24E-05	3.74E-05	2.17E-05	2.21E-05	2.00E-05	9.15E-06	9.14E-06	0.00E+00	0.00E+00	3.99E-06	7.51E-07	4.76E-06	7.35E-07	7.07E-07	1.09E-05
5825	489660.32	3859440.27	3.55E-02	3.62E-02	3.62E-02	1.23E-05	3.71E-05	2.15E-05	2.19E-05	1.99E-05	9.06E-06	9.05E-06	0.00E+00	0.00E+00	3.95E-06	7.43E-07	4.72E-06	7.27E-07	7.01E-07	1.08E-05
5826	489577.04	3859394.53	3.53E-02	3.60E-02	3.60E-02	1.22E-05	3.69E-05	2.14E-05	2.18E-05	1.98E-05	9.02E-06	9.01E-06	0.00E+00	0.00E+00	3.93E-06	7.40E-07	4.70E-06	7.24E-07	6.97E-07	1.08E-05
5827	489493.75	3859348.8	3.49E-02	3.56E-02	3.55E-02	1.21E-05	3.64E-05	2.11E-05	2.15E-05	1.95E-05	8.91E-06	8.90E-06	0.00E+00	0.00E+00	3.88E-06	7.31E-07	4.64E-06	7.15E-07	6.89E-07	1.07E-05
5828	489321.28	3859240.02	3.96E-02	4.04E-02	4.04E-02	1.37E-05	4.14E-05	2.40E-05	2.45E-05	2.22E-05	1.01E-05	1.01E-05	0.00E+00	0.00E+00	4.41E-06	8.30E-07	5.27E-06	8.12E-07	7.83E-07	1.21E-05
5829	489235.41	3859193.96	3.86E-02	3.94E-02	3.93E-02	1.34E-05	4.03E-05	2.34E-05	2.38E-05	2.16E-05	9.86E-06	9.85E-06	0.00E+00	0.00E+00	4.30E-06	8.09E-07	5.13E-06	7.92E-07	7.62E-07	1.18E-05
5830	489149.54	3859147.89	3.39E-02	3.46E-02	3.46E-02	1.18E-05	3.55E-05	2.05E-05	2.10E-05	1.90E-05	8.67E-06	8.66E-06	0.00E+00	0.00E+00	3.78E-06	7.11E-07	4.51E-06	6.96E-07	6.70E-07	1.04E-05
5831	489063.68	3859101.82	3.10E-02	3.17E-02	3.16E-02	1.07E-05	3.24E-05	1.88E-05	1.92E-05	1.74E-05	7.93E-06	7.92E-06	0.00E+00	0.00E+00	3.45E-06	6.50E-07	4.13E-06	6.36E-07	6.13E-07	9.48E-06
5832	488977.81	3859055.75	2.78E-02	2.84E-02	2.84E-02	9.63E-06	2.91E-05	1.68E-05	1.72E-05	1.56E-05	7.11E-06	7.10E-06	0.00E+00	0.00E+00	3.10E-06	5.83E-07	3.70E-06	5.71E-07	5.50E-07	8.50E-06
5833	488891.94	3859009.69	2.27E-02	2.32E-02	2.31E-02	7.85E-06	2.37E-05	1.37E-05	1.40E-05	1.27E-05	5.79E-06	5.79E-06	0.00E+00	0.00E+00	2.53E-06	4.75E-07	3.02E-06	4.65E-07	4.48E-07	6.93E-06
5834	488808	3859060.73	1.17E-02	1.19E-02	1.19E-02	4.05E-06	1.22E-05	7.07E-06	7.22E-06	6.54E-06	2.99E-06	2.98E-06	0.00E+00	0.00E+00	1.30E-06	2.45E-07	1.55E-06	2.40E-07	2.31E-07	3.57E-06
5835	488809.93	3859157.85	9.13E-03	9.32E-03	9.31E-03	3.16E-06	9.54E-06	5.52E-06	5.64E-06	5.11E-06	2.33E-06	2.33E-06	0.00E+00	0.00E+00	1.02E-06	1.91E-07	1.21E-06	1.87E-07	1.80E-07	2.79E-06
5836	488811.86	3859254.96	7.51E-03	7.66E-03	7.65E-03	2.60E-06	7.85E-06	4.54E-06	4.64E-06	4.20E-06	1.92E-06	1.91E-06	0.00E+00	0.00E+00	8.36E-07	1.57E-07	9.98E-07	1.54E-07	1.48E-07	2.29E-06
5837	488813.78	3859352.07	6.38E-03	6.52E-03	6.51E-03	2.21E-06	6.67E-06	3.86E-06	3.94E-06	3.57E-06	1.63E-06	1.63E-06	0.00E+00	0.00E+00	7.11E-07	1.34E-07	8.49E-07	1.31E-07	1.26E-07	1.95E-06
5838	488815.71	3859449.19	5.59E-03	5.70E-03	5.70E-03	1.93E-06	5.84E-06	3.38E-06	3.45E-06	3.13E-06	1.43E-06	1.43E-06	0.00E+00	0.00E+00	6.22E-07	1.17E-07	7.43E-07	1.15E-07	1.10E-07	1.71E-06
5839	488910.04	3859547.11	5.49E-03	5.60E-03	5.59E-03	1.90E-06	5.74E-06	3.32E-06	3.39E-06	3.07E-06	1.40E-06	1.40E-06	0.00E+00	0.00E+00	6.11E-07	1.15E-07	7.30E-07	1.13E-07	1.08E-07	1.68E-06
5840	489002.45	3859547.91	6.12E-03	6.24E-03	6.24E-03	2.12E-06	6.40E-06	3.70E-06	3.78E-06	3.43E-06	1.56E-06	1.56E-06	0.00E+00	0.00E+00	6.81E-07	1.28E-07	8.14E-07	1.25E-07	1.21E-07	1.87E-06
5841	489094.85	3859548.72	6.89E-03	7.03E-03	7.02E-03	2.38E-06	7.20E-06	4.17E-06	4.25E-06	3.85E-06	1.76E-06	1.76E-06	0.00E+00	0.00E+00	7.67E-07	1.44E-07	9.16E-07	1.41E-07	1.36E-07	2.10E-06
5842	489230.05	3859601.87	7.41E-03	7.56E-03	7.55E-03	2.57E-06	7.75E-06	4.48E-06	4.58E-06	4.15E-06	1.89E-06	1.89E-06	0.00E+00	0.00E+00	8.25E-07	1.55E-07	9.86E-07	1.52E-07	1.46E-07	2.26E-06
5843	489227.52	3859680.89	6.45E-03	6.58E-03	6.57E-03	2.23E-06	6.74E-06	3.90E-06	3.98E-06	3.61E-06	1.65E-06	1.64E-06	0.00E+00	0.00E+00	7.18E-07	1.35E-07	8.57E-07	1.32E-07	1.27E-07	1.97E-06
5844	489133.47	3859760.29	5.22E-03	5.33E-03	5.32E-03	1.81E-06	5.46E-06	3.16E-06	3.22E-06	2.92E-06	1.33E-06	1.33E-06	0.00E+00	0.00E+00	5.81E-07	1.09E-07	6.94E-07	1.07E-07	1.03E-07	1.59E-06
5845	489041.96	3859760.67	4.79E-03	4.89E-03	4.88E-03	1.66E-06	5.01E-06	2.90E-06	2.96E-06	2.68E-06	1.22E-06	1.22E-06	0.00E+00	0.00E+00	5.33E-07	1.00E-07	6.37E-07	9.82E-08	9.46E-08	1.46E-06
5846	488950.45	3859761.05	4.41E-03	4.50E-03	4.49E-03	1.53E-06	4.60E-06	2.67E-06	2.72E-06	2.47E-06	1.13E-06	1.12E-06	0.00E+00	0.00E+00	4.90E-07	9.23E-08	5.86E-07	9.03E-08	8.70E-08	1.35E-06
5847	488858.94	3859761.43	4.07E-03	4.16E-03	4.15E-03	1.41E-06	4.26E-06	2.46E-06	2.51E-06	2.28E-06	1.04E-06	1.04E-06	0.00E+00	0.00E+00	4.53E-07	8.54E-08	5.42E-07	8.35E-08	8.05E-08	1.24E-06
5848	488767.43	3859761.82	3.74E-03	3.82E-03	3.82E-03	1.30E-06	3.91E-06	2.27E-06	2.31E-06	2.10E-06	9.56E-07	9.55E-07	0.00E+00	0.00E+00	4.17E-07	7.85E-08	4.98E-07	7.68E-08	7.40E-08	1.14E-06
5849	488675.92	3859762.2	3.46E-03	3.54E-03	3.53E-03	1.20E-06	3.62E-06	2.10E-06	2.14E-06	1.94E-06	8.85E-07	8.84E-07	0.00E+00	0.00E+00	3.86E-07	7.26E-08	4.61E-07	7.11E-08	6.84E-08	1.06E-06
5850	488584.41	3859762.58	3.19E-03	3.26E-03	3.26E-03	1.11E-06	3.34E-06	1.93E-06	1.97E-06	1.79E-06	8.16E-07	8.15E-07	0.00E+00	0.00E+00	3.56E-07	6.69E-08	4.25E-07	6.55E-08	6.31E-08	9.76E-07
5851	488492.9	3859762.96	2.96E-03	3.02E-03	3.02E-03	1.02E-06	3.09E-06	1.79E-06	1.83E-06	1.66E-06	7.56E-07	7.55E-07	0.00E+00	0.00E+00	3.29E-07	6.20E-08	3.94E-07	6.07E-08	5.85E-08	9.04E-07
5852	488402.76	3859830.95	2.64E-03	2.70E-03	2.70E-03	9.15E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.75E-07	6.75E-07	0.00E+00	0.00E+00	2.94E-07	5.54E-08	3.52E-07	5.42E-08	5.22E-08	8.08E-07
5853	488404.14	3859898.55	2.53E-03	2.58E-03	2.58E-03	8.76E-07	2.65E-06	1.53E-06	1.56E-06	1.42E-06	6.46E-07	6.46E-07	0.00E+00	0.00E+00	2.82E-07	5.30E-08	3.37E-07	5.19E-08	5.00E-08	7.73E-07
5854	488505.18	3859964.96	2.61E-03	2.66E-03	2.66E-03	9.03E-07	2.73E-06	1.58E-06	1.61E-06	1.46E-06	6.66E-07	6.65E-07	0.00E+00	0.00E+00	2.90E-07	5.47E-08	3.47E-07	5.35E-08	5.15E-08	7.97E-07
5855	488604.85	3859963.76	2.80E-03	2.86E-03	2.85E-03	9.69E-07	2.92E-06	1.69E-06	1.73E-06	1.57E-06	7.15E-07	7.14E-07	0.00E+00	0.00E+00	3.12E-07	5.86E-08	3.72E-07	5.74E-08	5.53E-08	8.55E-07
5856	488704.51	3859962.56	3.01E-03	3.07E-03	3.07E-03	1.04E-06	3.15E-06	1.82E-06	1.86E-06	1.68E-06	7.69E-07	7.68E-07	0.00E+00	0.00E+00	3.35E-07	6.31E-08	4.00E-07	6.17E-08	5.95E-08	9.20E-07
5857	488804.18	3859961.37	3.24E-03	3.31E-03	3.30E-03	1.12E-06	3.39E-06	1.96E-06	2.00E-06	1.81E-06	8.28E-07	8.27E-07	0.00E+00	0.00E+00	3.61E-07	6.79E-08	4.31E-07	6.65E-08	6.40E-08	9.90E-07
5858	488903.85	3859960.17	3.49E-03	3.56E-03	3.56E-03	1.21E-06	3.65E-06	2.11E-06	2.16E-06	1.95E-06	8.92E-07	8.91E-07	0.00E+00	0.00E+00	3.89E-07	7.32E-08	4.64E-07	7.16E-08	6.90E-08	1.07E-06
5859	489003.52	3859958.97	3.75E-03	3.83E-03	3.82E-03	1.30E-06	3.92E-06	2.27E-06	2.32E-06	2.10E-06	9.58E-07	9.57E-07	0.00E+00	0.00E+00	4.18E-07	7.86E-08	4.99E-07	7.69E-08	7.41E-08	1.15E-06
5860	489103.18	3859957.77	4.04E-03	4.12E-03	4.12E-03	1.40E-06	4.22E-06	2.44E-06	2.49E-06	2.26E-06	1.03E-06	1.03E-06	0.00E+00	0.00E+00	4.50E-07	8.46E-08	5.37E-07	8.28E-08	7.98E-08	1.23E-06
5861	489201.48	3860046.59	3.96E-03	4.04E-03	4.04E-03	1.37E-06	4.14E-06	2.40E-06	2.45E-06	2.22E-06	1.01E-06	1.01E-06	0.00E+00	0.00E+00	4.41E-07	8.30E-08	5.27E-07	8.12E-08	7.83E-08	1.21E-06
5862	489200.11	3860136.61	3.60E-03	3.67E-03	3.67E-03	1.25E-06	3.76E-06	2.18E-06	2.22E-06	2.01E-06	9.19E-07	9.18E-07	0.00E+00	0.00E+00	4.01E-07	7.54E-08	4.79E-07	7.38E-08	7.11E-08	1.10E-06
5863	489198.74	3860226.63	3.29E-03	3.36E-03	3.36E-03	1.14E-06	3.44E-06	1.99E-06	2.03E-06	1.84E-06	8.41E-07	8.40E-07	0.00E+00	0.00E+00	3.67E-07	6.90E-08	4.38E-07	6.75E-08	6.51E-08	1.01E-06
5864	489197.38	3860316.66	3.02E-03	3.09E-03	3.08E-03	1.05E-06	3.16E-06	1.83E-06	1.87E-06	1.69E-06	7.72E-07	7.71E-07	0.00E+00	0.00E+00	3.37E-07	6.34E-08	4.02E-07	6.20E-08	5.97E-08	9.24E-07
5865	489196.01	3860406.68	2.80E-03	2.86E-03	2.85E-03	9.69E-07	2.92E-06	1.69E-06	1.73E-06	1.57E-06	7.15E-07	7.14E-07	0.00E+00	0.00E+00	3.11E-07	5.86E-08	3.72E-07	5.74E-08	5.53E-08	8.55E-07
5866	489194.64	3860496.7	2.58E-03	2.63E-03	2.63E-03	8.93E-07	2.70E-06	1.56E-06	1.59E-06	1.44E-06	6.59E-07	6.58E-07	0.00E+00	0.00E+00	2.87E-07	5.41E-08	3.43E-07	5.29E-08	5.10E-08	7.89E-07
5867	489193.27	3860586.72	2.41E-03	2.46E-03	2.45E-03	8.33E-07	2.51E-06	1.46E-06	1.49E-06	1.35E-06	6.14E-07	6.14E-07	0.00E+00	0.00E+00	2.68E-07	5.04E-08	3.20E-07	4.93E-08	4.75E-08	7.35E-07
5868	489092.02	3860678.13	2.16E-03	2.20E-03	2.20E-03	7.46E-07	2.25E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.50E-07	0.00E+00	0.00E+00	2.40E-07	4.52E-08	2.87E-07	4.42E-08	4.26E-08	6.59E-07
5869	488992.13	3860679.53	2.07E-03	2.11E-03	2.11E-03	7.17E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	5.28E-07	0.00E+00	0.00E+00	2.30E-07	4.34E-08	2.75E-07	4.25E-08	4.09E-08	6.32E-07
5870	488892.25	3860680.92	1.99E-03	2.03E-03	2.03E-03	6.90E-07	2.08E-06	1.21E-06	1.23E-06	1.12E-06	5.09E-07	5.08E-07	0.00E+00	0.00E+00	2.22E-07	4.18E-08	2.65E-07	4.09E-08	3.94E-08	6.09E-07
5871	488792.36	3860682.31	1.91E-03	1.95E-03	1.95E-03	6.63E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.89E-07	4.88E-07	0.00E+00	0.00E+00	2.13E-07	4.01E-08	2.55E-07	3.93E-08	3.78E-08	5.85E-07
5872	488692.48	3860683.7	1.84E-03	1.88E-03	1.88E-03	6.38E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.71E-07	4.70E-07	0.00E+00	0.00E+00	2.05E-07	3.86E-08	2.45E-07	3.78E-08	3.64E-08	5.63E-07
5873	488592.59	3860685.1	1.76E-03	1.80E-03	1.80E-03	6.11E-07	1.84E-06	1.07E-06	1.09E-06	9.88E-07	4.51E-07	4.50E-07	0.00E+00	0.00E+00	1.96E-07	3.70E-08	2.35E-07	3.62E-08	3.49E-08	5.39E-07

5874	488492.71	3860686.49	1.71E-03	1.74E-03	1.74E-03	5.91E-07	1.78E-06	1.03E-06	1.05E-06	9.56E-07	4.36E-07	4.36E-07	0.00E+00	0.00E+00	1.90E-07	3.58E-08	2.27E-07	3.50E-08	3.37E-08	5.22E-07
5875	488299.07	3860762.18	1.56E-03	1.59E-03	1.59E-03	5.40E-07	1.63E-06	9.43E-07	9.62E-07	8.72E-07	3.98E-07	3.98E-07	0.00E+00	0.00E+00	1.74E-07	3.27E-08	2.07E-07	3.20E-08	3.08E-08	4.76E-07
5876	488205.32	3860764.09	1.50E-03	1.53E-03	1.53E-03	5.18E-07	1.56E-06	9.06E-07	9.24E-07	8.38E-07	3.82E-07	3.82E-07	0.00E+00	0.00E+00	1.67E-07	3.14E-08	1.99E-07	3.07E-08	2.96E-08	4.57E-07
5877	488111.56	3860766	1.43E-03	1.46E-03	1.46E-03	4.96E-07	1.50E-06	8.67E-07	8.85E-07	8.02E-07	3.66E-07	3.66E-07	0.00E+00	0.00E+00	1.60E-07	3.00E-08	1.91E-07	2.94E-08	2.83E-08	4.38E-07
5878	488017.81	3860767.91	1.37E-03	1.40E-03	1.40E-03	4.75E-07	1.44E-06	8.31E-07	8.48E-07	7.69E-07	3.51E-07	3.50E-07	0.00E+00	0.00E+00	1.53E-07	2.88E-08	1.83E-07	2.82E-08	2.71E-08	4.20E-07
5879	487924.06	3860769.81	1.32E-03	1.35E-03	1.34E-03	4.57E-07	1.38E-06	7.98E-07	8.15E-07	7.38E-07	3.37E-07	3.37E-07	0.00E+00	0.00E+00	1.47E-07	2.76E-08	1.75E-07	2.71E-08	2.61E-08	4.03E-07
5880	487830.31	3860771.72	1.27E-03	1.30E-03	1.30E-03	4.40E-07	1.33E-06	7.69E-07	7.84E-07	7.11E-07	3.24E-07	3.24E-07	0.00E+00	0.00E+00	1.41E-07	2.66E-08	1.69E-07	2.61E-08	2.51E-08	3.88E-07
5881	487736.55	3860773.63	1.23E-03	1.25E-03	1.25E-03	4.25E-07	1.28E-06	7.42E-07	7.57E-07	6.86E-07	3.13E-07	3.13E-07	0.00E+00	0.00E+00	1.37E-07	2.57E-08	1.63E-07	2.52E-08	2.42E-08	3.75E-07
5882	487642.8	3860775.54	1.19E-03	1.21E-03	1.21E-03	4.12E-07	1.24E-06	7.20E-07	7.34E-07	6.66E-07	3.04E-07	3.03E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.35E-08	3.63E-07
5883	487549.48	3860684.71	1.19E-03	1.21E-03	1.21E-03	4.12E-07	1.24E-06	7.19E-07	7.34E-07	6.65E-07	3.04E-07	3.03E-07	0.00E+00	0.00E+00	1.32E-07	2.49E-08	1.58E-07	2.44E-08	2.35E-08	3.63E-07
5884	487549.91	3860591.97	1.22E-03	1.24E-03	1.24E-03	4.21E-07	1.27E-06	7.36E-07	7.51E-07	6.81E-07	3.11E-07	3.10E-07	0.00E+00	0.00E+00	1.35E-07	2.55E-08	1.62E-07	2.49E-08	2.40E-08	3.72E-07
5885	487550.34	3860499.23	1.25E-03	1.28E-03	1.27E-03	4.33E-07	1.31E-06	7.57E-07	7.72E-07	7.00E-07	3.19E-07	3.19E-07	0.00E+00	0.00E+00	1.39E-07	2.62E-08	1.66E-07	2.56E-08	2.47E-08	3.82E-07
5886	487550.76	3860406.49	1.29E-03	1.32E-03	1.31E-03	4.46E-07	1.35E-06	7.80E-07	7.96E-07	7.22E-07	3.29E-07	3.29E-07	0.00E+00	0.00E+00	1.44E-07	2.70E-08	1.71E-07	2.64E-08	2.55E-08	3.94E-07
5887	487551.19	3860313.75	1.32E-03	1.35E-03	1.35E-03	4.58E-07	1.38E-06	8.01E-07	8.18E-07	7.41E-07	3.38E-07	3.38E-07	0.00E+00	0.00E+00	1.47E-07	2.78E-08	1.76E-07	2.72E-08	2.62E-08	4.05E-07
5888	487551.62	3860221.01	1.36E-03	1.39E-03	1.39E-03	4.72E-07	1.42E-06	8.25E-07	8.41E-07	7.63E-07	3.48E-07	3.48E-07	0.00E+00	0.00E+00	1.52E-07	2.86E-08	1.81E-07	2.79E-08	2.69E-08	4.16E-07
5889	487552.05	3860128.27	1.41E-03	1.44E-03	1.44E-03	4.88E-07	1.47E-06	8.54E-07	8.71E-07	7.90E-07	3.60E-07	3.60E-07	0.00E+00	0.00E+00	1.57E-07	2.96E-08	1.88E-07	2.89E-08	2.79E-08	4.31E-07
5890	487552.48	3860035.53	1.46E-03	1.49E-03	1.48E-03	5.04E-07	1.52E-06	8.81E-07	8.99E-07	8.15E-07	3.72E-07	3.72E-07	0.00E+00	0.00E+00	1.62E-07	3.05E-08	1.94E-07	2.99E-08	2.88E-08	4.45E-07
5891	487552.91	3859942.79	1.49E-03	1.52E-03	1.52E-03	5.15E-07	1.56E-06	9.01E-07	9.19E-07	8.33E-07	3.80E-07	3.80E-07	0.00E+00	0.00E+00	1.66E-07	3.12E-08	1.98E-07	3.05E-08	2.94E-08	4.55E-07
5892	487553.33	3859850.05	1.54E-03	1.57E-03	1.57E-03	5.32E-07	1.61E-06	9.30E-07	9.49E-07	8.61E-07	3.93E-07	3.92E-07	0.00E+00	0.00E+00	1.71E-07	3.22E-08	2.04E-07	3.15E-08	3.04E-08	4.70E-07
5893	487553.76	3859757.31	1.58E-03	1.61E-03	1.61E-03	5.46E-07	1.65E-06	9.54E-07	9.73E-07	8.82E-07	4.03E-07	4.02E-07	0.00E+00	0.00E+00	1.75E-07	3.30E-08	2.10E-07	3.23E-08	3.11E-08	4.82E-07
5894	487554.19	3859664.57	1.61E-03	1.64E-03	1.64E-03	5.58E-07	1.68E-06	9.75E-07	9.95E-07	9.02E-07	4.11E-07	4.11E-07	0.00E+00	0.00E+00	1.79E-07	3.38E-08	2.14E-07	3.30E-08	3.18E-08	4.92E-07
5895	487460.2	3859571.05	1.55E-03	1.58E-03	1.58E-03	5.35E-07	1.62E-06	9.35E-07	9.54E-07	8.65E-07	3.95E-07	3.94E-07	0.00E+00	0.00E+00	1.72E-07	3.24E-08	2.06E-07	3.17E-08	3.05E-08	4.72E-07
5896	487365.78	3859570.27	1.47E-03	1.50E-03	1.50E-03	5.08E-07	1.53E-06	8.88E-07	9.07E-07	8.22E-07	3.75E-07	3.75E-07	0.00E+00	0.00E+00	1.63E-07	3.08E-08	1.95E-07	3.01E-08	2.90E-08	4.49E-07
5897	487271.36	3859569.48	1.40E-03	1.43E-03	1.42E-03	4.84E-07	1.46E-06	8.45E-07	8.63E-07	7.82E-07	3.57E-07	3.56E-07	0.00E+00	0.00E+00	1.56E-07	2.93E-08	1.86E-07	2.87E-08	2.76E-08	4.27E-07
5898	487176.94	3859568.7	1.33E-03	1.36E-03	1.36E-03	4.61E-07	1.39E-06	8.07E-07	8.23E-07	7.46E-07	3.40E-07	3.40E-07	0.00E+00	0.00E+00	1.48E-07	2.79E-08	1.77E-07	2.73E-08	2.63E-08	4.07E-07
5899	487082.51	3859567.92	1.28E-03	1.30E-03	1.30E-03	4.42E-07	1.33E-06	7.72E-07	7.88E-07	7.14E-07	3.26E-07	3.26E-07	0.00E+00	0.00E+00	1.42E-07	2.68E-08	1.70E-07	2.62E-08	2.52E-08	3.90E-07
5900	486988.09	3859567.14	1.22E-03	1.25E-03	1.25E-03	4.24E-07	1.28E-06	7.41E-07	7.56E-07	6.85E-07	3.13E-07	3.12E-07	0.00E+00	0.00E+00	1.36E-07	2.57E-08	1.63E-07	2.51E-08	2.42E-08	3.74E-07
5901	486893.67	3859566.36	1.18E-03	1.20E-03	1.20E-03	4.07E-07	1.23E-06	7.12E-07	7.27E-07	6.59E-07	3.01E-07	3.00E-07	0.00E+00	0.00E+00	1.31E-07	2.47E-08	1.57E-07	2.41E-08	2.33E-08	3.60E-07
5902	486799.25	3859565.58	1.13E-03	1.16E-03	1.16E-03	3.92E-07	1.18E-06	6.86E-07	7.00E-07	6.34E-07	2.89E-07	2.89E-07	0.00E+00	0.00E+00	1.26E-07	2.38E-08	1.51E-07	2.32E-08	2.24E-08	3.46E-07
5903	486704.83	3859564.79	1.09E-03	1.12E-03	1.12E-03	3.79E-07	1.14E-06	6.62E-07	6.76E-07	6.12E-07	2.79E-07	2.79E-07	0.00E+00	0.00E+00	1.22E-07	2.29E-08	1.45E-07	2.24E-08	2.16E-08	3.34E-07
5904	486610.41	3859564.01	1.06E-03	1.08E-03	1.08E-03	3.66E-07	1.11E-06	6.40E-07	6.53E-07	5.92E-07	2.70E-07	2.70E-07	0.00E+00	0.00E+00	1.18E-07	2.22E-08	1.41E-07	2.17E-08	2.09E-08	3.23E-07
5905	486515.99	3859563.23	1.02E-03	1.04E-03	1.04E-03	3.54E-07	1.07E-06	6.18E-07	6.31E-07	5.72E-07	2.61E-07	2.61E-07	0.00E+00	0.00E+00	1.14E-07	2.14E-08	1.36E-07	2.10E-08	2.02E-08	3.12E-07
5906	486421.57	3859562.45	9.91E-04	1.01E-03	1.01E-03	3.43E-07	1.04E-06	5.99E-07	6.12E-07	5.54E-07	2.53E-07	2.53E-07	0.00E+00	0.00E+00	1.10E-07	2.08E-08	1.32E-07	2.03E-08	1.96E-08	3.03E-07
5907	486327.14	3859561.67	9.62E-04	9.82E-04	9.81E-04	3.33E-07	1.01E-06	5.82E-07	5.94E-07	5.39E-07	2.46E-07	2.45E-07	0.00E+00	0.00E+00	1.07E-07	2.02E-08	1.28E-07	1.97E-08	1.90E-08	2.94E-07
5908	486232.72	3859560.89	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.77E-07	5.65E-07	5.77E-07	5.23E-07	2.39E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.85E-08	2.85E-07
5909	486138.3	3859560.1	9.09E-04	9.28E-04	9.27E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.86E-08	1.80E-08	2.78E-07
5910	486043.88	3859559.32	8.85E-04	9.03E-04	9.02E-04	3.06E-07	9.25E-07	5.35E-07	5.46E-07	4.95E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.85E-08	1.85E-08	1.18E-07	1.81E-08	1.75E-08	2.70E-07
5911	485949.35	3859463.54	8.72E-04	8.90E-04	8.89E-04	3.02E-07	9.11E-07	5.28E-07	5.38E-07	4.88E-07	2.23E-07	2.22E-07	0.00E+00	0.00E+00	9.71E-08	1.83E-08	1.16E-07	1.79E-08	1.72E-08	2.66E-07
5912	485949.24	3859368.55	8.81E-04	8.99E-04	8.98E-04	3.05E-07	9.21E-07	5.33E-07	5.44E-07	4.93E-07	2.25E-07	2.25E-07	0.00E+00	0.00E+00	9.81E-08	1.85E-08	1.17E-07	1.81E-08	1.74E-08	2.69E-07
5913	485949.12	3859273.55	8.90E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.98E-07	2.27E-07	2.27E-07	0.00E+00	0.00E+00	9.91E-08	1.87E-08	1.18E-07	1.83E-08	1.76E-08	2.72E-07
5914	485949.01	3859178.56	8.99E-04	9.17E-04	9.16E-04	3.11E-07	9.40E-07	5.44E-07	5.55E-07	5.03E-07	2.30E-07	2.29E-07	0.00E+00	0.00E+00	1.00E-07	1.88E-08	1.20E-07	1.84E-08	1.78E-08	2.75E-07
5915	485948.9	3859083.56	9.09E-04	9.27E-04	9.26E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.32E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.90E-08	1.21E-07	1.86E-08	1.79E-08	2.78E-07
5916	485948.79	3858988.56	9.17E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.66E-07	5.13E-07	2.34E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.92E-08	1.22E-07	1.88E-08	1.81E-08	2.80E-07
5917	485948.67	3858893.57	9.25E-04	9.44E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.71E-07	5.18E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.82E-07
5918	485948.56	3858798.57	9.32E-04	9.51E-04	9.50E-04	3.23E-07	9.74E-07	5.64E-07	5.75E-07	5.21E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07
5919	485948.45	3858703.58	9.33E-04	9.53E-04	9.51E-04	3.23E-07	9.76E-07	5.65E-07	5.76E-07	5.22E-07	2.38E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.91E-08	1.84E-08	2.85E-07
5920	485948.34	3858608.58	9.36E-04	9.55E-04	9.54E-04	3.24E-07	9.78E-07	5.66E-07	5.78E-07	5.24E-07	2.39E-07	2.39E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.85E-08	2.86E-07
5921	485948.22	3858513.59	9.35E-04	9.54E-04	9.53E-04	3.24E-07	9.77E-07	5.66E-07	5.77E-07	5.23E-07	2.39E-07	2.38E-07	0.00E+00	0.00E+00	1.04E-07	1.96E-08	1.24E-07	1.92E-08	1.85E-08	2.86E-07
5922	485948.11	3858418.59	9.31E-04	9.50E-04	9.48E-04	3.22E-07	9.73E-07	5.63E-07	5.75E-07	5.21E-07	2.38E-07	2.37E-07	0.00E+00	0.00E+00	1.04E-07	1.95E-08	1.24E-07	1.91E-08	1.84E-08	2.84E-07
5923	485948	3858323.59	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.70E-07	5.17E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.89E-08	1.82E-08	2.82E-07
5924	485947.89	3858228.6	9.12E-04	9.30E-04	9.29E-04	3.16E-07	9.53E-07	5.52E-07	5.63E-07	5.10E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.01E-07	1.91E-08	1.21E-07	1.87E-08	1.80E-08	2.79E-07
5925	485947.77	3858133.6	8.97E-04	9.16E-04	9.14E-04	3.11E-07	9.38E-07	5.43E-07	5.54E-07	5.02E-07	2.29E-07	2.29E-07	0.00E+00	0.00E+00	9.99E-08	1.88E-08	1.19E-07	1.84E-08	1.77E-08	2.74E-07
5926	485947.66	3858038.61	8.84E-04	9.02E-04	9.01E-04	3.06E-07	9.24E-07	5.35E-07	5.46E-07	4.95E-07	2.26E-07	2.26E-07	0.00E+00	0.00E+00	9.84E-08	1.85E-08	1.18E-07	1.81E-08	1.75E-08	2.70E-07
5927	485854.54	3857943.35	8.62E-04	8.79E-04	8.78E-04	2.98E-07	9.01E-07	5.21E-07	5.32E-07	4.82E-07	2.20E-07	2.20E-07	0.00E+00	0.00E+00	9.59E-08	1.81E-08	1.15E-07	1.77E-08	1.70E-08	2.63E-07
5928	485761.52	3857943.09	8.55E-04	8.72E-04	8.71E-04	2.96E-07	8.93E-07	5.17E-07	5.28E-07	4.78E-07	2.18E-07	2.18E-07	0.00E+00	0.00E+00	9.51E-08	1.79E-08	1.14E-07	1.75E-08	1.69E-08	2.61E-07
5929	485668.51	3857942.83	8.48E-04	8.65E-04	8.64E-04	2.94E-07	8.86E-07	5.13E-07	5.24E-07	4.75E-07	2.17E-07	2.16E-07	0.00E+00	0.00E+00	9.44E-08	1.78E-08	1.13E-07	1.74E-08	1.68E-08	2.59E-07

5930	485575.5	3857942.56	8.40E-04	8.58E-04	8.57E-04	2.91E-07	8.78E-07	5.08E-07	5.19E-07	4.70E-07	2.15E-07	2.14E-07	0.00E+00	0.00E+00	9.35E-08	1.76E-08	1.12E-07	1.72E-08	1.66E-08	2.57E-07
5931	485482.48	3857942.3	8.34E-04	8.51E-04	8.50E-04	2.89E-07	8.71E-07	5.04E-07	5.15E-07	4.67E-07	2.13E-07	2.13E-07	0.00E+00	0.00E+00	9.28E-08	1.75E-08	1.11E-07	1.71E-08	1.65E-08	2.55E-07
5932	485389.47	3857942.04	8.26E-04	8.43E-04	8.42E-04	2.86E-07	8.64E-07	5.00E-07	5.10E-07	4.62E-07	2.11E-07	2.11E-07	0.00E+00	0.00E+00	9.20E-08	1.73E-08	1.10E-07	1.69E-08	1.63E-08	2.52E-07
5933	485296.46	3857941.78	8.19E-04	8.36E-04	8.35E-04	2.83E-07	8.56E-07	4.95E-07	5.06E-07	4.58E-07	2.09E-07	2.09E-07	0.00E+00	0.00E+00	9.12E-08	1.72E-08	1.09E-07	1.68E-08	1.62E-08	2.50E-07
5934	485203.45	3857941.52	8.12E-04	8.28E-04	8.27E-04	2.81E-07	8.48E-07	4.91E-07	5.01E-07	4.54E-07	2.07E-07	2.07E-07	0.00E+00	0.00E+00	9.04E-08	1.70E-08	1.08E-07	1.66E-08	1.60E-08	2.48E-07
5935	485110.43	3857941.26	8.04E-04	8.20E-04	8.19E-04	2.78E-07	8.40E-07	4.86E-07	4.96E-07	4.50E-07	2.05E-07	2.05E-07	0.00E+00	0.00E+00	8.95E-08	1.68E-08	1.07E-07	1.65E-08	1.59E-08	2.46E-07
5936	485017.42	3857940.99	7.96E-04	8.12E-04	8.11E-04	2.76E-07	8.32E-07	4.82E-07	4.91E-07	4.45E-07	2.03E-07	2.03E-07	0.00E+00	0.00E+00	8.86E-08	1.67E-08	1.06E-07	1.63E-08	1.57E-08	2.43E-07
5937	484924.41	3857940.73	7.88E-04	8.04E-04	8.03E-04	2.73E-07	8.24E-07	4.77E-07	4.87E-07	4.41E-07	2.01E-07	2.01E-07	0.00E+00	0.00E+00	8.77E-08	1.65E-08	1.05E-07	1.62E-08	1.56E-08	2.41E-07
5938	484831.39	3857940.47	7.81E-04	7.97E-04	7.96E-04	2.70E-07	8.16E-07	4.73E-07	4.82E-07	4.37E-07	1.99E-07	1.99E-07	0.00E+00	0.00E+00	8.70E-08	1.64E-08	1.04E-07	1.60E-08	1.54E-08	2.39E-07
5939	484738.12	3857859.3	7.74E-04	7.90E-04	7.89E-04	2.68E-07	8.09E-07	4.68E-07	4.78E-07	4.33E-07	1.98E-07	1.97E-07	0.00E+00	0.00E+00	8.62E-08	1.62E-08	1.03E-07	1.59E-08	1.53E-08	2.36E-07
5940	484737.85	3857778.4	7.74E-04	7.90E-04	7.89E-04	2.68E-07	8.09E-07	4.68E-07	4.78E-07	4.33E-07	1.98E-07	1.97E-07	0.00E+00	0.00E+00	8.62E-08	1.62E-08	1.03E-07	1.59E-08	1.53E-08	2.36E-07
5941	484737.59	3857697.49	7.73E-04	7.89E-04	7.88E-04	2.68E-07	8.08E-07	4.68E-07	4.77E-07	4.33E-07	1.97E-07	1.97E-07	0.00E+00	0.00E+00	8.61E-08	1.62E-08	1.03E-07	1.59E-08	1.53E-08	2.36E-07
5942	484737.32	3857616.59	7.72E-04	7.88E-04	7.87E-04	2.67E-07	8.07E-07	4.67E-07	4.77E-07	4.32E-07	1.97E-07	1.97E-07	0.00E+00	0.00E+00	8.60E-08	1.62E-08	1.03E-07	1.58E-08	1.53E-08	2.36E-07
5943	484645.53	3857535.18	7.68E-04	7.84E-04	7.83E-04	2.66E-07	8.03E-07	4.65E-07	4.74E-07	4.30E-07	1.96E-07	1.96E-07	0.00E+00	0.00E+00	8.55E-08	1.61E-08	1.02E-07	1.57E-08	1.52E-08	2.35E-07
5944	484553.99	3857534.67	7.65E-04	7.80E-04	7.79E-04	2.65E-07	7.99E-07	4.63E-07	4.72E-07	4.28E-07	1.95E-07	1.95E-07	0.00E+00	0.00E+00	8.51E-08	1.60E-08	1.02E-07	1.57E-08	1.51E-08	2.34E-07
5945	484462.46	3857534.17	7.62E-04	7.78E-04	7.77E-04	2.64E-07	7.96E-07	4.61E-07	4.70E-07	4.26E-07	1.95E-07	1.94E-07	0.00E+00	0.00E+00	8.48E-08	1.60E-08	1.01E-07	1.56E-08	1.51E-08	2.33E-07
5946	484370.93	3857533.66	7.60E-04	7.75E-04	7.74E-04	2.63E-07	7.94E-07	4.60E-07	4.69E-07	4.25E-07	1.94E-07	1.94E-07	0.00E+00	0.00E+00	8.46E-08	1.59E-08	1.01E-07	1.56E-08	1.50E-08	2.32E-07
5947	484279.4	3857533.16	7.58E-04	7.73E-04	7.72E-04	2.62E-07	7.92E-07	4.58E-07	4.68E-07	4.24E-07	1.93E-07	1.93E-07	0.00E+00	0.00E+00	8.43E-08	1.59E-08	1.01E-07	1.55E-08	1.50E-08	2.31E-07
5948	484187.86	3857532.65	7.56E-04	7.71E-04	7.70E-04	2.62E-07	7.90E-07	4.57E-07	4.66E-07	4.23E-07	1.93E-07	1.93E-07	0.00E+00	0.00E+00	8.41E-08	1.58E-08	1.00E-07	1.55E-08	1.49E-08	2.31E-07
5949	484096.33	3857532.15	7.54E-04	7.69E-04	7.69E-04	2.61E-07	7.88E-07	4.56E-07	4.66E-07	4.22E-07	1.93E-07	1.92E-07	0.00E+00	0.00E+00	8.39E-08	1.58E-08	1.00E-07	1.55E-08	1.49E-08	2.30E-07
5950	484004.8	3857531.64	7.52E-04	7.67E-04	7.66E-04	2.60E-07	7.86E-07	4.55E-07	4.64E-07	4.21E-07	1.92E-07	1.92E-07	0.00E+00	0.00E+00	8.37E-08	1.58E-08	1.00E-07	1.54E-08	1.48E-08	2.30E-07
5951	483913.27	3857531.14	7.49E-04	7.64E-04	7.63E-04	2.59E-07	7.83E-07	4.53E-07	4.62E-07	4.19E-07	1.91E-07	1.91E-07	0.00E+00	0.00E+00	8.33E-08	1.57E-08	9.96E-08	1.54E-08	1.48E-08	2.29E-07
5952	483821.73	3857530.63	7.45E-04	7.61E-04	7.60E-04	2.58E-07	7.79E-07	4.51E-07	4.60E-07	4.17E-07	1.90E-07	1.90E-07	0.00E+00	0.00E+00	8.30E-08	1.56E-08	9.91E-08	1.53E-08	1.47E-08	2.28E-07
5953	483729.61	3857450.11	7.47E-04	7.62E-04	7.61E-04	2.59E-07	7.81E-07	4.52E-07	4.61E-07	4.18E-07	1.91E-07	1.91E-07	0.00E+00	0.00E+00	8.31E-08	1.57E-08	9.93E-08	1.53E-08	1.48E-08	2.28E-07
5954	483729.03	3857370.08	7.52E-04	7.68E-04	7.67E-04	2.60E-07	7.86E-07	4.55E-07	4.64E-07	4.21E-07	1.92E-07	1.92E-07	0.00E+00	0.00E+00	8.37E-08	1.58E-08	1.00E-07	1.54E-08	1.49E-08	2.30E-07
5955	483728.44	3857290.06	7.57E-04	7.72E-04	7.72E-04	2.62E-07	7.91E-07	4.58E-07	4.67E-07	4.24E-07	1.93E-07	1.93E-07	0.00E+00	0.00E+00	8.43E-08	1.59E-08	1.01E-07	1.55E-08	1.50E-08	2.31E-07
5956	483727.86	3857210.03	7.62E-04	7.77E-04	7.76E-04	2.64E-07	7.96E-07	4.61E-07	4.70E-07	4.26E-07	1.95E-07	1.94E-07	0.00E+00	0.00E+00	8.48E-08	1.60E-08	1.01E-07	1.56E-08	1.50E-08	2.33E-07
5957	483641.15	3857129.07	7.66E-04	7.81E-04	7.81E-04	2.65E-07	8.00E-07	4.63E-07	4.73E-07	4.29E-07	1.96E-07	1.95E-07	0.00E+00	0.00E+00	8.52E-08	1.60E-08	1.02E-07	1.57E-08	1.51E-08	2.34E-07
5958	483555.03	3857128.14	7.64E-04	7.79E-04	7.78E-04	2.64E-07	7.98E-07	4.62E-07	4.72E-07	4.27E-07	1.95E-07	1.95E-07	0.00E+00	0.00E+00	8.50E-08	1.60E-08	1.02E-07	1.57E-08	1.51E-08	2.33E-07
5959	483468.91	3857127.2	7.61E-04	7.76E-04	7.75E-04	2.63E-07	7.95E-07	4.60E-07	4.70E-07	4.26E-07	1.94E-07	1.94E-07	0.00E+00	0.00E+00	8.47E-08	1.59E-08	1.01E-07	1.56E-08	1.50E-08	2.32E-07
5960	483382.78	3857126.26	7.59E-04	7.74E-04	7.73E-04	2.63E-07	7.93E-07	4.59E-07	4.68E-07	4.25E-07	1.94E-07	1.94E-07	0.00E+00	0.00E+00	8.45E-08	1.59E-08	1.01E-07	1.56E-08	1.50E-08	2.32E-07
5961	483296.66	3857125.32	7.56E-04	7.71E-04	7.70E-04	2.62E-07	7.90E-07	4.57E-07	4.67E-07	4.23E-07	1.93E-07	1.93E-07	0.00E+00	0.00E+00	8.41E-08	1.58E-08	1.01E-07	1.55E-08	1.49E-08	2.31E-07
5962	483210.54	3857124.39	7.52E-04	7.68E-04	7.67E-04	2.60E-07	7.86E-07	4.55E-07	4.64E-07	4.21E-07	1.92E-07	1.92E-07	0.00E+00	0.00E+00	8.37E-08	1.58E-08	1.00E-07	1.54E-08	1.49E-08	2.30E-07
5963	483123.4	3857030.96	7.58E-04	7.74E-04	7.73E-04	2.62E-07	7.92E-07	4.59E-07	4.68E-07	4.24E-07	1.94E-07	1.93E-07	0.00E+00	0.00E+00	8.44E-08	1.59E-08	1.01E-07	1.55E-08	1.50E-08	2.32E-07
5964	483122.38	3856938.46	7.68E-04	7.84E-04	7.83E-04	2.66E-07	8.03E-07	4.65E-07	4.74E-07	4.30E-07	1.96E-07	1.96E-07	0.00E+00	0.00E+00	8.55E-08	1.61E-08	1.02E-07	1.57E-08	1.52E-08	2.35E-07
5965	483121.35	3856845.97	7.79E-04	7.95E-04	7.94E-04	2.70E-07	8.14E-07	4.71E-07	4.81E-07	4.36E-07	1.99E-07	1.99E-07	0.00E+00	0.00E+00	8.67E-08	1.63E-08	1.04E-07	1.60E-08	1.54E-08	2.38E-07
5966	483120.33	3856753.47	7.90E-04	8.06E-04	8.05E-04	2.73E-07	8.25E-07	4.78E-07	4.88E-07	4.42E-07	2.02E-07	2.01E-07	0.00E+00	0.00E+00	8.79E-08	1.65E-08	1.05E-07	1.62E-08	1.56E-08	2.41E-07
5967	483119.31	3856660.98	8.02E-04	8.19E-04	8.18E-04	2.78E-07	8.39E-07	4.85E-07	4.95E-07	4.49E-07	2.05E-07	2.05E-07	0.00E+00	0.00E+00	8.93E-08	1.68E-08	1.07E-07	1.65E-08	1.58E-08	2.45E-07
5968	483118.29	3856568.49	8.18E-04	8.35E-04	8.34E-04	2.83E-07	8.55E-07	4.95E-07	5.05E-07	4.58E-07	2.09E-07	2.09E-07	0.00E+00	0.00E+00	9.11E-08	1.71E-08	1.09E-07	1.68E-08	1.62E-08	2.50E-07
5969	483117.26	3856475.99	8.36E-04	8.53E-04	8.52E-04	2.89E-07	8.74E-07	5.06E-07	5.16E-07	4.68E-07	2.14E-07	2.13E-07	0.00E+00	0.00E+00	9.31E-08	1.75E-08	1.11E-07	1.71E-08	1.65E-08	2.55E-07
5970	483116.24	3856383.5	8.56E-04	8.73E-04	8.72E-04	2.96E-07	8.94E-07	5.18E-07	5.28E-07	4.79E-07	2.19E-07	2.18E-07	0.00E+00	0.00E+00	9.53E-08	1.79E-08	1.14E-07	1.75E-08	1.69E-08	2.61E-07
5971	483115.22	3856291.01	8.78E-04	8.95E-04	8.94E-04	3.04E-07	9.17E-07	5.31E-07	5.42E-07	4.91E-07	2.24E-07	2.24E-07	0.00E+00	0.00E+00	9.77E-08	1.84E-08	1.17E-07	1.80E-08	1.73E-08	2.68E-07
5972	483114.2	3856198.51	9.00E-04	9.19E-04	9.17E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.30E-07	2.30E-07	0.00E+00	0.00E+00	1.00E-07	1.89E-08	1.20E-07	1.85E-08	1.78E-08	2.75E-07
5973	483113.17	3856106.02	9.27E-04	9.46E-04	9.45E-04	3.21E-07	9.69E-07	5.61E-07	5.72E-07	5.19E-07	2.37E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.94E-08	1.23E-07	1.90E-08	1.83E-08	2.83E-07
5974	483112.15	3856013.52	9.54E-04	9.74E-04	9.72E-04	3.30E-07	9.97E-07	5.77E-07	5.89E-07	5.34E-07	2.44E-07	2.43E-07	0.00E+00	0.00E+00	1.06E-07	2.00E-08	1.27E-07	1.96E-08	1.88E-08	2.91E-07
5975	483029.25	3855920.47	9.80E-04	1.00E-03	9.99E-04	3.39E-07	1.02E-06	5.93E-07	6.05E-07	5.49E-07	2.50E-07	2.50E-07	0.00E+00	0.00E+00	1.09E-07	2.05E-08	1.30E-07	2.01E-08	1.94E-08	2.99E-07
5976	482947.37	3855919.91	9.77E-04	9.97E-04	9.96E-04	3.38E-07	1.02E-06	5.91E-07	6.03E-07	5.47E-07	2.50E-07	2.49E-07	0.00E+00	0.00E+00	1.09E-07	2.05E-08	1.30E-07	2.00E-08	1.93E-08	2.99E-07
5977	482865.49	3855919.36	9.75E-04	9.95E-04	9.93E-04	3.37E-07	1.02E-06	5.90E-07	6.02E-07	5.46E-07	2.49E-07	2.49E-07	0.00E+00	0.00E+00	1.09E-07	2.04E-08	1.30E-07	2.00E-08	1.93E-08	2.98E-07
5978	482783.61	3855918.8	9.74E-04	9.94E-04	9.93E-04	3.37E-07	1.02E-06	5.90E-07	6.02E-07	5.45E-07	2.49E-07	2.49E-07	0.00E+00	0.00E+00	1.08E-07	2.04E-08	1.30E-07	2.00E-08	1.92E-08	2.98E-07
5979	482700.33	3855818.39	1.01E-03	1.03E-03	1.03E-03	3.49E-07	1.05E-06	6.10E-07	6.22E-07	5.64E-07	2.57E-07	2.57E-07	0.00E+00	0.00E+00	1.12E-07	2.11E-08	1.34E-07	2.07E-08	1.99E-08	3.08E-07
5980	482698.92	3855718.54	1.05E-03	1.07E-03	1.07E-03	3.62E-07	1.09E-06	6.33E-07	6.45E-07	5.85E-07	2.67E-07	2.67E-07	0.00E+00	0.00E+00	1.16E-07	2.19E-08	1.39E-07	2.14E-08	2.06E-08	3.19E-07
5981	482697.52	3855618.68	1.08E-03	1.11E-03	1.10E-03	3.75E-07	1.13E-06	6.56E-07	6.69E-07	6.07E-07	2.77E-07	2.77E-07	0.00E+00	0.00E+00	1.21E-07	2.27E-08	1.44E-07	2.22E-08	2.14E-08	3.31E-07
5982	482696.11	3855518.83	1.13E-03	1.15E-03	1.15E-03	3.90E-07	1.18E-06	6.82E-07	6.96E-07	6.31E-07	2.88E-07	2.88E-07	0.00E+00	0.00E+00	1.25E-07	2.36E-08	1.50E-07	2.31E-08	2.23E-08	3.44E-07
5983	482694.71	3855418.98	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.09E-07	7.23E-07	6.55E-07	2.99E-07	2.99E-07	0.00E+00	0.00E+00	1.30E-07	2.45E-08	1.56E-07	2.40E-08	2.31E-08	3.58E-07
5984	482693.3	3855319.13	1.22E-03	1.24E-03	1.24E-03	4.22E-07	1.27E-06	7.37E-07	7.52E-07	6.82E-07	3.11E-07	3.11E-07	0.00E+00	0.00E+00	1.36E-07	2.55E-08	1.62E-07	2.50E-08	2.41E-08	3.72E-07
5985	482691.9	3855219.27	1.27E-03	1.30E-03	1.30E-03	4.40E-07	1.33E-06	7.69E-07	7.85E-07	7.11E-07	3.25E-07	3.24E-07	0.00E+00	0.00E+00	1.42E-07	2.66E-08	1.69E-07	2.61E-08	2.51E-08	3.88E-07

5986	482690.49	3855119.42	1.33E-03	1.35E-03	1.35E-03	4.60E-07	1.39E-06	8.03E-07	8.20E-07	7.43E-07	3.39E-07	3.39E-07	0.00E+00	0.00E+00	1.48E-07	2.78E-08	1.77E-07	2.72E-08	2.62E-08	4.06E-07
5987	482689.09	3855019.57	1.39E-03	1.42E-03	1.42E-03	4.82E-07	1.46E-06	8.43E-07	8.61E-07	7.80E-07	3.56E-07	3.56E-07	0.00E+00	0.00E+00	1.55E-07	2.92E-08	1.85E-07	2.86E-08	2.75E-08	4.26E-07
5988	482687.68	3854919.72	1.46E-03	1.49E-03	1.49E-03	5.07E-07	1.53E-06	8.86E-07	9.04E-07	8.20E-07	3.74E-07	3.74E-07	0.00E+00	0.00E+00	1.63E-07	3.07E-08	1.95E-07	3.00E-08	2.89E-08	4.48E-07
5989	482686.28	3854819.86	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.37E-07	9.56E-07	8.66E-07	3.95E-07	3.95E-07	0.00E+00	0.00E+00	1.72E-07	3.24E-08	2.06E-07	3.17E-08	3.06E-08	4.73E-07
5990	482684.88	3854720.01	1.64E-03	1.67E-03	1.67E-03	5.67E-07	1.71E-06	9.90E-07	1.01E-06	9.16E-07	4.18E-07	4.17E-07	0.00E+00	0.00E+00	1.82E-07	3.43E-08	2.18E-07	3.36E-08	3.23E-08	5.00E-07
5991	482683.47	3854620.16	1.74E-03	1.78E-03	1.78E-03	6.04E-07	1.82E-06	1.06E-06	1.08E-06	9.76E-07	4.45E-07	4.45E-07	0.00E+00	0.00E+00	1.94E-07	3.66E-08	2.32E-07	3.58E-08	3.44E-08	5.33E-07
5992	482682.07	3854520.31	1.86E-03	1.90E-03	1.90E-03	6.45E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.76E-07	4.76E-07	0.00E+00	0.00E+00	2.08E-07	3.91E-08	2.48E-07	3.82E-08	3.68E-08	5.70E-07
5993	482680.66	3854420.45	2.01E-03	2.05E-03	2.04E-03	6.94E-07	2.10E-06	1.21E-06	1.24E-06	1.12E-06	5.12E-07	5.12E-07	0.00E+00	0.00E+00	2.23E-07	4.20E-08	2.67E-07	4.11E-08	3.96E-08	6.13E-07
5994	482679.26	3854320.6	2.17E-03	2.22E-03	2.21E-03	7.52E-07	2.27E-06	1.31E-06	1.34E-06	1.22E-06	5.55E-07	5.54E-07	0.00E+00	0.00E+00	2.42E-07	4.55E-08	2.89E-07	4.46E-08	4.29E-08	6.64E-07
5995	482677.85	3854220.75	2.38E-03	2.43E-03	2.43E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.33E-06	6.08E-07	6.07E-07	0.00E+00	0.00E+00	2.65E-07	4.99E-08	3.17E-07	4.88E-08	4.70E-08	7.28E-07
5996	482676.45	3854120.9	2.63E-03	2.68E-03	2.68E-03	9.10E-07	2.75E-06	1.59E-06	1.62E-06	1.47E-06	6.71E-07	6.71E-07	0.00E+00	0.00E+00	2.93E-07	5.51E-08	3.50E-07	5.39E-08	5.19E-08	8.03E-07
5997	482675.04	3854021.04	2.95E-03	3.01E-03	3.00E-03	1.02E-06	3.08E-06	1.78E-06	1.82E-06	1.65E-06	7.52E-07	7.51E-07	0.00E+00	0.00E+00	3.28E-07	6.17E-08	3.92E-07	6.04E-08	5.82E-08	9.00E-07
5998	482673.64	3853921.19	3.36E-03	3.43E-03	3.42E-03	1.16E-06	3.51E-06	2.03E-06	2.07E-06	1.88E-06	8.58E-07	8.57E-07	0.00E+00	0.00E+00	3.74E-07	7.04E-08	4.47E-07	6.89E-08	6.63E-08	1.03E-06
5999	482672.23	3853821.34	3.98E-03	4.06E-03	4.05E-03	1.38E-06	4.16E-06	2.41E-06	2.45E-06	2.23E-06	1.02E-06	1.01E-06	0.00E+00	0.00E+00	4.43E-07	8.33E-08	5.29E-07	8.15E-08	7.85E-08	1.21E-06
6000	482670.83	3853721.49	4.94E-03	5.04E-03	5.04E-03	1.71E-06	5.16E-06	2.99E-06	3.05E-06	2.77E-06	1.26E-06	1.26E-06	0.00E+00	0.00E+00	5.50E-07	1.04E-07	6.57E-07	1.01E-07	9.76E-08	1.51E-06
6001	482669.42	3853621.63	6.57E-03	6.70E-03	6.69E-03	2.27E-06	6.86E-06	3.97E-06	4.05E-06	3.68E-06	1.68E-06	1.68E-06	0.00E+00	0.00E+00	7.31E-07	1.38E-07	8.73E-07	1.35E-07	1.30E-07	2.01E-06
6002	482645.99	3853446.13	1.28E-02	1.31E-02	1.30E-02	4.43E-06	1.34E-05	7.75E-06	7.90E-06	7.16E-06	3.27E-06	3.27E-06	0.00E+00	0.00E+00	1.43E-06	2.68E-07	1.70E-06	2.63E-07	2.53E-07	3.91E-06
6003	482623.97	3853370.49	1.53E-02	1.56E-02	1.55E-02	5.28E-06	1.59E-05	9.23E-06	9.42E-06	8.54E-06	3.90E-06	3.89E-06	0.00E+00	0.00E+00	1.70E-06	3.20E-07	2.03E-06	3.13E-07	3.01E-07	4.66E-06
6004	482601.94	3853294.84	1.73E-02	1.77E-02	1.77E-02	6.00E-06	1.81E-05	1.05E-05	1.07E-05	9.70E-06	4.43E-06	4.42E-06	0.00E+00	0.00E+00	1.93E-06	3.63E-07	2.30E-06	3.55E-07	3.42E-07	5.29E-06
6005	482531.29	3853133.44	2.08E-02	2.12E-02	2.12E-02	7.20E-06	2.18E-05	1.26E-05	1.29E-05	1.16E-05	5.32E-06	5.31E-06	0.00E+00	0.00E+00	2.32E-06	4.36E-07	2.77E-06	4.27E-07	4.11E-07	6.36E-06
6006	482482.68	3853047.69	2.32E-02	2.37E-02	2.36E-02	8.03E-06	2.42E-05	1.40E-05	1.43E-05	1.30E-05	5.92E-06	5.91E-06	0.00E+00	0.00E+00	2.58E-06	4.86E-07	3.08E-06	4.75E-07	4.58E-07	7.08E-06
6007	482383.09	3852897.4	2.89E-02	2.95E-02	2.94E-02	1.00E-05	3.02E-05	1.75E-05	1.78E-05	1.62E-05	7.38E-06	7.37E-06	0.00E+00	0.00E+00	3.21E-06	6.05E-07	3.84E-06	5.92E-07	5.70E-07	8.82E-06
6008	482265.64	3852765.26	3.09E-02	3.15E-02	3.14E-02	1.07E-05	3.23E-05	1.87E-05	1.91E-05	1.73E-05	7.88E-06	7.87E-06	0.00E+00	0.00E+00	3.43E-06	6.47E-07	4.10E-06	6.33E-07	6.09E-07	9.43E-06
6009	482199.16	3852697.66	3.08E-02	3.15E-02	3.14E-02	1.07E-05	3.22E-05	1.87E-05	1.90E-05	1.73E-05	7.87E-06	7.86E-06	0.00E+00	0.00E+00	3.43E-06	6.46E-07	4.10E-06	6.32E-07	6.09E-07	9.42E-06
6010	482132.69	3852630.07	3.10E-02	3.16E-02	3.16E-02	1.07E-05	3.24E-05	1.88E-05	1.91E-05	1.74E-05	7.92E-06	7.91E-06	0.00E+00	0.00E+00	3.45E-06	6.50E-07	4.12E-06	6.36E-07	6.12E-07	9.47E-06
6011	482066.21	3852562.48	3.08E-02	3.14E-02	3.14E-02	1.07E-05	3.22E-05	1.86E-05	1.90E-05	1.72E-05	7.86E-06	7.85E-06	0.00E+00	0.00E+00	3.43E-06	6.45E-07	4.09E-06	6.31E-07	6.08E-07	9.41E-06
6012	481999.74	3852494.89	3.02E-02	3.08E-02	3.08E-02	1.05E-05	3.16E-05	1.83E-05	1.87E-05	1.69E-05	7.72E-06	7.71E-06	0.00E+00	0.00E+00	3.36E-06	6.33E-07	4.02E-06	6.20E-07	5.97E-07	9.23E-06
6013	481933.26	3852427.29	2.95E-02	3.01E-02	3.01E-02	1.02E-05	3.08E-05	1.79E-05	1.82E-05	1.65E-05	7.54E-06	7.53E-06	0.00E+00	0.00E+00	3.28E-06	6.18E-07	3.92E-06	6.05E-07	5.83E-07	9.02E-06
6014	481866.79	3852359.7	2.93E-02	2.99E-02	2.99E-02	1.02E-05	3.07E-05	1.77E-05	1.81E-05	1.64E-05	7.49E-06	7.48E-06	0.00E+00	0.00E+00	3.26E-06	6.15E-07	3.90E-06	6.01E-07	5.79E-07	8.96E-06
6015	481800.31	3852292.11	2.92E-02	2.98E-02	2.98E-02	1.01E-05	3.05E-05	1.77E-05	1.80E-05	1.64E-05	7.46E-06	7.46E-06	0.00E+00	0.00E+00	3.25E-06	6.13E-07	3.89E-06	5.99E-07	5.77E-07	8.93E-06
6016	481733.84	3852224.52	2.90E-02	2.96E-02	2.96E-02	1.01E-05	3.04E-05	1.76E-05	1.79E-05	1.63E-05	7.42E-06	7.41E-06	0.00E+00	0.00E+00	3.23E-06	6.09E-07	3.86E-06	5.95E-07	5.74E-07	8.87E-06
6017	481667.36	3852156.92	2.96E-02	3.02E-02	3.02E-02	1.03E-05	3.10E-05	1.79E-05	1.83E-05	1.66E-05	7.56E-06	7.55E-06	0.00E+00	0.00E+00	3.30E-06	6.21E-07	3.94E-06	6.07E-07	5.85E-07	9.05E-06
6018	481600.89	3852089.33	2.93E-02	2.99E-02	2.99E-02	1.02E-05	3.06E-05	1.77E-05	1.81E-05	1.64E-05	7.49E-06	7.48E-06	0.00E+00	0.00E+00	3.26E-06	6.15E-07	3.90E-06	6.01E-07	5.79E-07	8.96E-06
6019	481534.41	3852021.74	2.91E-02	2.97E-02	2.96E-02	1.01E-05	3.04E-05	1.76E-05	1.79E-05	1.63E-05	7.42E-06	7.41E-06	0.00E+00	0.00E+00	3.23E-06	6.09E-07	3.86E-06	5.96E-07	5.74E-07	8.88E-06
6020	481467.94	3851954.15	2.93E-02	2.98E-02	2.98E-02	1.01E-05	3.06E-05	1.77E-05	1.81E-05	1.64E-05	7.47E-06	7.46E-06	0.00E+00	0.00E+00	3.26E-06	6.13E-07	3.89E-06	6.00E-07	5.78E-07	8.94E-06
6021	481401.46	3851886.55	3.01E-02	3.08E-02	3.07E-02	1.04E-05	3.15E-05	1.82E-05	1.86E-05	1.69E-05	7.70E-06	7.69E-06	0.00E+00	0.00E+00	3.36E-06	6.32E-07	4.01E-06	6.18E-07	5.95E-07	9.21E-06
6022	481265.87	3851761.43	3.08E-02	3.14E-02	3.14E-02	1.07E-05	3.22E-05	1.86E-05	1.90E-05	1.72E-05	7.86E-06	7.86E-06	0.00E+00	0.00E+00	3.43E-06	6.45E-07	4.10E-06	6.32E-07	6.08E-07	9.41E-06
6023	481196.74	3851703.89	3.14E-02	3.20E-02	3.20E-02	1.09E-05	3.28E-05	1.90E-05	1.94E-05	1.76E-05	8.01E-06	8.00E-06	0.00E+00	0.00E+00	3.49E-06	6.57E-07	4.17E-06	6.43E-07	6.20E-07	9.58E-06
6024	481076.33	3851619.05	3.15E-02	3.21E-02	3.21E-02	1.09E-05	3.29E-05	1.90E-05	1.94E-05	1.76E-05	8.04E-06	8.03E-06	0.00E+00	0.00E+00	3.50E-06	6.60E-07	4.19E-06	6.45E-07	6.22E-07	9.62E-06
6025	480939.8	3851549.07	3.00E-02	3.06E-02	3.06E-02	1.04E-05	3.14E-05	1.81E-05	1.85E-05	1.68E-05	7.66E-06	7.65E-06	0.00E+00	0.00E+00	3.34E-06	6.29E-07	3.99E-06	6.15E-07	5.92E-07	9.16E-06
6026	480854.56	3851506.41	2.99E-02	3.05E-02	3.05E-02	1.04E-05	3.13E-05	1.81E-05	1.85E-05	1.67E-05	7.64E-06	7.63E-06	0.00E+00	0.00E+00	3.33E-06	6.27E-07	3.98E-06	6.13E-07	5.91E-07	9.14E-06
6027	480769.32	3851463.75	3.03E-02	3.09E-02	3.09E-02	1.05E-05	3.17E-05	1.83E-05	1.87E-05	1.70E-05	7.74E-06	7.73E-06	0.00E+00	0.00E+00	3.37E-06	6.35E-07	4.03E-06	6.22E-07	5.99E-07	9.26E-06
6028	480684.08	3851421.08	3.08E-02	3.15E-02	3.14E-02	1.07E-05	3.22E-05	1.86E-05	1.90E-05	1.73E-05	7.87E-06	7.86E-06	0.00E+00	0.00E+00	3.43E-06	6.46E-07	4.10E-06	6.32E-07	6.09E-07	9.42E-06
6029	480598.84	3851378.42	3.07E-02	3.14E-02	3.13E-02	1.06E-05	3.21E-05	1.86E-05	1.90E-05	1.72E-05	7.85E-06	7.84E-06	0.00E+00	0.00E+00	3.42E-06	6.44E-07	4.09E-06	6.30E-07	6.07E-07	9.39E-06
6030	480435.71	3851275.01	3.64E-02	3.71E-02	3.71E-02	1.26E-05	3.80E-05	2.20E-05	2.25E-05	2.04E-05	9.29E-06	9.28E-06	0.00E+00	0.00E+00	4.05E-06	7.62E-07	4.84E-06	7.46E-07	7.18E-07	1.11E-05
6031	480347.85	3851232.36	3.62E-02	3.69E-02	3.69E-02	1.25E-05	3.78E-05	2.19E-05	2.24E-05	2.03E-05	9.25E-06	9.24E-06	0.00E+00	0.00E+00	4.03E-06	7.59E-07	4.82E-06	7.43E-07	7.15E-07	1.11E-05
6032	480260	3851189.72	3.61E-02	3.69E-02	3.68E-02	1.25E-05	3.78E-05	2.19E-05	2.23E-05	2.02E-05	9.23E-06	9.21E-06	0.00E+00	0.00E+00	4.02E-06	7.57E-07	4.80E-06	7.41E-07	7.14E-07	1.10E-05
6033	480172.15	3851147.07	3.60E-02	3.68E-02	3.67E-02	1.25E-05	3.77E-05	2.18E-05	2.22E-05	2.02E-05	9.20E-06	9.19E-06	0.00E+00	0.00E+00	4.01E-06	7.55E-07	4.79E-06	7.39E-07	7.12E-07	1.10E-05
6034	480084.29	3851104.42	3.61E-02	3.69E-02	3.68E-02	1.25E-05	3.78E-05	2.19E-05	2.23E-05	2.02E-05	9.23E-06	9.22E-06	0.00E+00	0.00E+00	4.02E-06	7.57E-07	4.80E-06	7.41E-07	7.14E-07	1.10E-05
6035	479996.44	3851061.77	3.63E-02	3.70E-02	3.69E-02	1.25E-05	3.79E-05	2.19E-05	2.24E-05	2.03E-05	9.26E-06	9.25E-06	0.00E+00	0.00E+00	4.04E-06	7.60E-07	4.82E-06	7.43E-07	7.16E-07	1.11E-05
6036	479908.58	3851019.13	3.79E-02	3.87E-02	3.86E-02	1.31E-05	3.96E-05	2.29E-05	2.34E-05	2.12E-05	9.68E-06	9.67E-06	0.00E+00	0.00E+00	4.22E-06	7.95E-07	5.04E-06	7.77E-07	7.49E-07	1.16E-05
6037	479820.73	3850976.48	3.79E-02	3.86E-02	3.86E-02	1.31E-05	3.96E-05	2.29E-05	2.34E-05	2.12E-05	9.67E-06	9.66E-06	0.00E+00	0.00E+00	4.21E-06	7.93E-07	5.03E-06	7.76E-07	7.48E-07	1.16E-05
6038	479732.88	3850933.83	3.79E-02	3.87E-02	3.86E-02	1.31E-05	3.96E-05	2.29E-05	2.34E-05	2.12E-05	9.68E-06	9.67E-06	0.00E+00	0.00E+00	4.22E-06	7.95E-07	5.04E-06	7.77E-07	7.49E-07	1.16E-05
6039	479645.02	3850891.18	3.80E-02	3.87E-02	3.87E-02	1.31E-05	3.97E-05	2.30E-05	2.34E-05	2.12E-05	9.69E-06	9.68E-06	0.00E+00	0.00E+00	4.23E-06	7.96E-07	5.05E-06	7.78E-07	7.50E-07	1.16E-05
6040	479557.17	3850848.54	3.76E-02	3.84E-02	3.84E-02	1.30E-05	3.93E-05	2.28E-05	2.32E-05	2.11E-05	9.61E-06	9.60E-06	0.00E+00	0.00E+00	4.19E-06	7.89E-07	5.01E-06	7.72E-07	7.43E-07	1.15E-05
6041	479469.32	3850805.89	3.86E-02	3.93E-02	3.93E-02	1.33E-05	4.03E-05	2.33E-05	2.38E-05	2.16E-05	9.85E-06	9.83E-06	0.00E+00	0.00E+00	4.29E-06	8.08E-07	5.13E-06	7.91E-07	7.61E-07	1.18E-05

6042	479381.46	3850763.24	3.81E-02	3.89E-02	3.89E-02	1.32E-05	3.99E-05	2.31E-05	2.36E-05	2.14E-05	9.74E-06	9.73E-06	0.00E+00	0.00E+00	4.25E-06	7.99E-07	5.07E-06	7.82E-07	7.53E-07	1.17E-05
6043	479293.61	3850720.59	3.71E-02	3.78E-02	3.78E-02	1.28E-05	3.87E-05	2.24E-05	2.29E-05	2.07E-05	9.47E-06	9.45E-06	0.00E+00	0.00E+00	4.13E-06	7.77E-07	4.93E-06	7.60E-07	7.32E-07	1.13E-05
6044	479205.76	3850677.95	3.62E-02	3.70E-02	3.69E-02	1.25E-05	3.79E-05	2.19E-05	2.24E-05	2.03E-05	9.25E-06	9.24E-06	0.00E+00	0.00E+00	4.03E-06	7.59E-07	4.82E-06	7.43E-07	7.16E-07	1.11E-05
6045	479117.9	3850635.3	3.47E-02	3.54E-02	3.54E-02	1.20E-05	3.63E-05	2.10E-05	2.14E-05	1.94E-05	8.86E-06	8.85E-06	0.00E+00	0.00E+00	3.86E-06	7.27E-07	4.62E-06	7.12E-07	6.86E-07	1.06E-05
6046	479030.05	3850592.65	3.38E-02	3.45E-02	3.45E-02	1.17E-05	3.54E-05	2.05E-05	2.09E-05	1.89E-05	8.64E-06	8.63E-06	0.00E+00	0.00E+00	3.77E-06	7.09E-07	4.50E-06	6.94E-07	6.69E-07	1.03E-05
6047	478942.19	3850550	3.45E-02	3.53E-02	3.52E-02	1.20E-05	3.61E-05	2.09E-05	2.13E-05	1.93E-05	8.82E-06	8.81E-06	0.00E+00	0.00E+00	3.85E-06	7.24E-07	4.59E-06	7.08E-07	6.82E-07	1.06E-05
6048	478854.34	3850507.36	3.81E-02	3.89E-02	3.89E-02	1.32E-05	3.99E-05	2.31E-05	2.36E-05	2.13E-05	9.74E-06	9.73E-06	0.00E+00	0.00E+00	4.25E-06	7.99E-07	5.07E-06	7.82E-07	7.53E-07	1.17E-05
6049	478766.49	3850464.71	3.88E-02	3.96E-02	3.95E-02	1.34E-05	4.06E-05	2.35E-05	2.40E-05	2.17E-05	9.91E-06	9.90E-06	0.00E+00	0.00E+00	4.32E-06	8.13E-07	5.16E-06	7.96E-07	7.66E-07	1.19E-05
6050	478678.63	3850422.06	3.88E-02	3.96E-02	3.96E-02	1.34E-05	4.06E-05	2.35E-05	2.40E-05	2.17E-05	9.91E-06	9.90E-06	0.00E+00	0.00E+00	4.32E-06	8.13E-07	5.16E-06	7.96E-07	7.67E-07	1.19E-05
6051	478590.78	3850379.41	3.91E-02	3.99E-02	3.99E-02	1.35E-05	4.09E-05	2.37E-05	2.42E-05	2.19E-05	9.99E-06	9.98E-06	0.00E+00	0.00E+00	4.36E-06	8.20E-07	5.20E-06	8.02E-07	7.73E-07	1.20E-05
6052	478502.93	3850336.77	3.90E-02	3.98E-02	3.97E-02	1.35E-05	4.08E-05	2.36E-05	2.41E-05	2.18E-05	9.96E-06	9.95E-06	0.00E+00	0.00E+00	4.34E-06	8.17E-07	5.19E-06	8.00E-07	7.70E-07	1.19E-05
6053	478415.07	3850294.12	3.85E-02	3.93E-02	3.93E-02	1.33E-05	4.03E-05	2.33E-05	2.38E-05	2.16E-05	9.84E-06	9.83E-06	0.00E+00	0.00E+00	4.29E-06	8.08E-07	5.13E-06	7.90E-07	7.61E-07	1.18E-05
6054	478327.22	3850251.47	3.91E-02	3.99E-02	3.98E-02	1.35E-05	4.08E-05	2.36E-05	2.41E-05	2.19E-05	9.98E-06	9.97E-06	0.00E+00	0.00E+00	4.35E-06	8.19E-07	5.20E-06	8.01E-07	7.72E-07	1.19E-05
6055	478239.36	3850208.82	3.94E-02	4.02E-02	4.01E-02	1.36E-05	4.12E-05	2.38E-05	2.43E-05	2.20E-05	1.01E-05	1.00E-05	0.00E+00	0.00E+00	4.38E-06	8.25E-07	5.24E-06	8.08E-07	7.78E-07	1.20E-05
6056	478151.51	3850166.18	3.95E-02	4.03E-02	4.03E-02	1.37E-05	4.13E-05	2.39E-05	2.44E-05	2.21E-05	1.01E-05	1.01E-05	0.00E+00	0.00E+00	4.40E-06	8.28E-07	5.26E-06	8.11E-07	7.81E-07	1.21E-05
6057	478063.66	3850123.53	3.97E-02	4.05E-02	4.05E-02	1.37E-05	4.15E-05	2.40E-05	2.45E-05	2.22E-05	1.01E-05	1.01E-05	0.00E+00	0.00E+00	4.42E-06	8.32E-07	5.28E-06	8.14E-07	7.84E-07	1.21E-05
6058	477975.8	3850080.88	3.77E-02	3.85E-02	3.85E-02	1.31E-05	3.94E-05	2.28E-05	2.33E-05	2.11E-05	9.63E-06	9.62E-06	0.00E+00	0.00E+00	4.20E-06	7.91E-07	5.02E-06	7.74E-07	7.45E-07	1.15E-05
6059	477887.95	3850038.23	3.74E-02	3.82E-02	3.81E-02	1.29E-05	3.91E-05	2.26E-05	2.31E-05	2.09E-05	9.55E-06	9.54E-06	0.00E+00	0.00E+00	4.16E-06	7.84E-07	4.97E-06	7.67E-07	7.39E-07	1.14E-05
6060	477800.1	3849995.59	3.66E-02	3.73E-02	3.73E-02	1.27E-05	3.83E-05	2.21E-05	2.26E-05	2.05E-05	9.35E-06	9.34E-06	0.00E+00	0.00E+00	4.07E-06	7.67E-07	4.87E-06	7.50E-07	7.23E-07	1.12E-05
6061	477712.24	3849952.94	3.68E-02	3.75E-02	3.75E-02	1.27E-05	3.84E-05	2.22E-05	2.27E-05	2.06E-05	9.39E-06	9.38E-06	0.00E+00	0.00E+00	4.09E-06	7.70E-07	4.89E-06	7.54E-07	7.26E-07	1.12E-05
6062	477624.39	3849910.29	3.67E-02	3.74E-02	3.74E-02	1.27E-05	3.83E-05	2.22E-05	2.26E-05	2.05E-05	9.36E-06	9.35E-06	0.00E+00	0.00E+00	4.08E-06	7.68E-07	4.87E-06	7.52E-07	7.24E-07	1.12E-05
6063	477536.54	3849867.64	3.60E-02	3.67E-02	3.67E-02	1.25E-05	3.76E-05	2.18E-05	2.22E-05	2.01E-05	9.19E-06	9.18E-06	0.00E+00	0.00E+00	4.01E-06	7.54E-07	4.79E-06	7.38E-07	7.11E-07	1.10E-05
6064	477448.68	3849825	3.59E-02	3.66E-02	3.66E-02	1.24E-05	3.75E-05	2.17E-05	2.22E-05	2.01E-05	9.17E-06	9.16E-06	0.00E+00	0.00E+00	4.00E-06	7.52E-07	4.77E-06	7.36E-07	7.09E-07	1.10E-05
6065	477360.83	3849782.35	3.57E-02	3.64E-02	3.64E-02	1.24E-05	3.73E-05	2.16E-05	2.20E-05	2.00E-05	9.12E-06	9.11E-06	0.00E+00	0.00E+00	3.97E-06	7.48E-07	4.75E-06	7.32E-07	7.05E-07	1.09E-05
6066	477272.97	3849739.7	3.56E-02	3.63E-02	3.63E-02	1.23E-05	3.72E-05	2.15E-05	2.20E-05	1.99E-05	9.09E-06	9.08E-06	0.00E+00	0.00E+00	3.96E-06	7.46E-07	4.73E-06	7.30E-07	7.03E-07	1.09E-05
6067	477185.12	3849697.05	3.54E-02	3.62E-02	3.61E-02	1.23E-05	3.71E-05	2.14E-05	2.19E-05	1.98E-05	9.05E-06	9.04E-06	0.00E+00	0.00E+00	3.95E-06	7.43E-07	4.71E-06	7.27E-07	7.00E-07	1.08E-05
6068	477097.27	3849654.41	3.58E-02	3.66E-02	3.65E-02	1.24E-05	3.75E-05	2.17E-05	2.21E-05	2.01E-05	9.15E-06	9.14E-06	0.00E+00	0.00E+00	3.99E-06	7.51E-07	4.77E-06	7.35E-07	7.08E-07	1.09E-05
6069	477009.41	3849611.76	3.74E-02	3.82E-02	3.82E-02	1.30E-05	3.91E-05	2.26E-05	2.31E-05	2.10E-05	9.56E-06	9.55E-06	0.00E+00	0.00E+00	4.17E-06	7.84E-07	4.98E-06	7.68E-07	7.39E-07	1.14E-05
6070	476841.49	3849530.08	3.84E-02	3.92E-02	3.92E-02	1.33E-05	4.02E-05	2.33E-05	2.37E-05	2.15E-05	9.82E-06	9.81E-06	0.00E+00	0.00E+00	4.28E-06	8.06E-07	5.11E-06	7.88E-07	7.59E-07	1.17E-05
6071	476761.41	3849491.05	3.88E-02	3.96E-02	3.95E-02	1.34E-05	4.06E-05	2.35E-05	2.40E-05	2.17E-05	9.91E-06	9.90E-06	0.00E+00	0.00E+00	4.32E-06	8.13E-07	5.16E-06	7.96E-07	7.66E-07	1.19E-05
6072	476681.34	3849452.02	4.05E-02	4.13E-02	4.13E-02	1.40E-05	4.23E-05	2.45E-05	2.50E-05	2.27E-05	1.03E-05	1.03E-05	0.00E+00	0.00E+00	4.51E-06	8.49E-07	5.39E-06	8.30E-07	8.00E-07	1.24E-05
6073	476601.26	3849412.99	4.39E-02	4.48E-02	4.48E-02	1.52E-05	4.59E-05	2.66E-05	2.71E-05	2.46E-05	1.12E-05	1.12E-05	0.00E+00	0.00E+00	4.89E-06	9.21E-07	5.84E-06	9.01E-07	8.68E-07	1.34E-05
6074	476456.32	3849353.67	5.26E-02	5.36E-02	5.36E-02	1.82E-05	5.49E-05	3.18E-05	3.25E-05	2.94E-05	1.34E-05	1.34E-05	0.00E+00	0.00E+00	5.85E-06	1.10E-06	6.99E-06	1.08E-06	1.04E-06	1.61E-05
6075	476305.43	3849318.84	4.99E-02	5.09E-02	5.09E-02	1.73E-05	5.22E-05	3.02E-05	3.08E-05	2.79E-05	1.27E-05	1.27E-05	0.00E+00	0.00E+00	5.56E-06	1.05E-06	6.64E-06	1.02E-06	9.86E-07	1.53E-05
6076	476129.36	3849289.99	4.91E-02	5.02E-02	5.01E-02	1.70E-05	5.14E-05	2.97E-05	3.03E-05	2.75E-05	1.26E-05	1.25E-05	0.00E+00	0.00E+00	5.47E-06	1.03E-06	6.54E-06	1.01E-06	9.71E-07	1.50E-05
6077	476039.31	3849275.68	4.81E-02	4.91E-02	4.91E-02	1.67E-05	5.03E-05	2.91E-05	2.97E-05	2.69E-05	1.23E-05	1.23E-05	0.00E+00	0.00E+00	5.36E-06	1.01E-06	6.40E-06	9.87E-07	9.51E-07	1.47E-05
6078	475949.26	3849261.38	5.00E-02	5.10E-02	5.10E-02	1.73E-05	5.23E-05	3.03E-05	3.09E-05	2.80E-05	1.28E-05	1.28E-05	0.00E+00	0.00E+00	5.57E-06	1.05E-06	6.65E-06	1.03E-06	9.88E-07	1.53E-05
6079	475859.21	3849247.08	4.81E-02	4.91E-02	4.90E-02	1.67E-05	5.03E-05	2.91E-05	2.97E-05	2.69E-05	1.23E-05	1.23E-05	0.00E+00	0.00E+00	5.36E-06	1.01E-06	6.40E-06	9.87E-07	9.50E-07	1.47E-05
6080	475769.16	3849232.77	4.63E-02	4.73E-02	4.72E-02	1.60E-05	4.84E-05	2.80E-05	2.86E-05	2.59E-05	1.18E-05	1.18E-05	0.00E+00	0.00E+00	5.16E-06	9.71E-07	6.16E-06	9.50E-07	9.15E-07	1.41E-05
6081	475585.23	3849219.27	2.52E-02	2.58E-02	2.57E-02	8.74E-06	2.64E-05	1.53E-05	1.56E-05	1.41E-05	6.45E-06	6.44E-06	0.00E+00	0.00E+00	2.81E-06	5.29E-07	3.36E-06	5.18E-07	4.99E-07	7.71E-06
6082	475444.5	3849150.35	4.78E-02	4.88E-02	4.87E-02	1.65E-05	5.00E-05	2.89E-05	2.95E-05	2.67E-05	1.22E-05	1.22E-05	0.00E+00	0.00E+00	5.32E-06	1.00E-06	6.36E-06	9.80E-07	9.44E-07	1.46E-05
6083	475334.18	3849118.71	3.60E-02	3.68E-02	3.67E-02	1.25E-05	3.77E-05	2.18E-05	2.23E-05	2.02E-05	9.21E-06	9.19E-06	0.00E+00	0.00E+00	4.01E-06	7.55E-07	4.79E-06	7.39E-07	7.12E-07	1.10E-05
6084	475230.47	3849060.57	3.62E-02	3.69E-02	3.68E-02	1.25E-05	3.78E-05	2.19E-05	2.23E-05	2.02E-05	9.23E-06	9.22E-06	0.00E+00	0.00E+00	4.02E-06	7.58E-07	4.81E-06	7.41E-07	7.14E-07	1.10E-05
6085	475110.86	3848960.97	4.32E-02	4.41E-02	4.40E-02	1.50E-05	4.52E-05	2.61E-05	2.67E-05	2.42E-05	1.10E-05	1.10E-05	0.00E+00	0.00E+00	4.81E-06	9.06E-07	5.75E-06	8.86E-07	8.53E-07	1.32E-05
6086	475037.79	3848896.28	4.49E-02	4.59E-02	4.58E-02	1.56E-05	4.70E-05	2.72E-05	2.77E-05	2.52E-05	1.15E-05	1.15E-05	0.00E+00	0.00E+00	5.00E-06	9.42E-07	5.98E-06	9.22E-07	8.88E-07	1.37E-05
6087	474964.72	3848831.59	4.65E-02	4.74E-02	4.74E-02	1.61E-05	4.86E-05	2.81E-05	2.87E-05	2.60E-05	1.19E-05	1.19E-05	0.00E+00	0.00E+00	5.17E-06	9.74E-07	6.18E-06	9.53E-07	9.18E-07	1.42E-05
6088	474891.65	3848766.9	4.63E-02	4.73E-02	4.72E-02	1.60E-05	4.84E-05	2.80E-05	2.86E-05	2.59E-05	1.18E-05	1.18E-05	0.00E+00	0.00E+00	5.16E-06	9.71E-07	6.16E-06	9.50E-07	9.15E-07	1.42E-05
6089	474818.58	3848702.22	4.67E-02	4.77E-02	4.76E-02	1.62E-05	4.88E-05	2.83E-05	2.88E-05	2.61E-05	1.19E-05	1.19E-05	0.00E+00	0.00E+00	5.20E-06	9.79E-07	6.21E-06	9.58E-07	9.23E-07	1.43E-05
6090	474745.51	3848637.53	4.22E-02	4.31E-02	4.30E-02	1.46E-05	4.41E-05	2.55E-05	2.61E-05	2.36E-05	1.08E-05	1.08E-05	0.00E+00	0.00E+00	4.70E-06	8.85E-07	5.61E-06	8.66E-07	8.34E-07	1.29E-05
6091	474672.44	3848572.84	4.16E-02	4.24E-02	4.24E-02	1.44E-05	4.35E-05	2.52E-05	2.57E-05	2.33E-05	1.06E-05	1.06E-05	0.00E+00	0.00E+00	4.63E-06	8.72E-07	5.53E-06	8.53E-07	8.22E-07	1.27E-05
6092	474599.37	3848508.15	4.28E-02	4.37E-02	4.36E-02	1.48E-05	4.47E-05	2.59E-05	2.64E-05	2.39E-05	1.09E-05	1.09E-05	0.00E+00	0.00E+00	4.76E-06	8.97E-07	5.69E-06	8.78E-07	8.45E-07	1.31E-05
6093	474526.3	3848443.46	4.26E-02	4.35E-02	4.34E-02	1.47E-05	4.45E-05	2.58E-05	2.63E-05	2.38E-05	1.09E-05	1.09E-05	0.00E+00	0.00E+00	4.74E-06	8.93E-07	5.67E-06	8.74E-07	8.41E-07	1.30E-05

Leads - Student Risk

		2028 RD			2033 RD			2048 RD		
Rec#	X, Y	Concentra	Dose	Risk	Concentra	Dose	Risk	Concentra	Dose	Risk
1	485973.61, 3854936.51	1.18E-03	3.74E-07	1.09E-07	1.21E-03	3.82E-07	1.11E-07	1.21E-03	3.81E-07	1.11E-07
2	486023.61, 3854936.51	1.18E-03	3.72E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.79E-07	1.10E-07
3	486073.61, 3854936.51	1.17E-03	3.71E-07	1.08E-07	1.20E-03	3.78E-07	1.10E-07	1.20E-03	3.78E-07	1.10E-07
4	486123.61, 3854936.51	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.73E-07	1.09E-07	1.18E-03	3.73E-07	1.08E-07
5	486173.61, 3854936.51	1.16E-03	3.67E-07	1.07E-07	1.19E-03	3.74E-07	1.09E-07	1.18E-03	3.74E-07	1.09E-07
6	486223.61, 3854936.51	1.15E-03	3.64E-07	1.06E-07	1.18E-03	3.72E-07	1.08E-07	1.18E-03	3.71E-07	1.08E-07
7	486273.61, 3854936.51	1.15E-03	3.63E-07	1.06E-07	1.17E-03	3.70E-07	1.08E-07	1.17E-03	3.70E-07	1.08E-07
8	486323.61, 3854936.51	1.15E-03	3.62E-07	1.05E-07	1.17E-03	3.69E-07	1.07E-07	1.17E-03	3.69E-07	1.07E-07
9	485973.61, 3854986.51	1.17E-03	3.70E-07	1.08E-07	1.20E-03	3.77E-07	1.10E-07	1.19E-03	3.77E-07	1.10E-07
10	486023.61, 3854986.51	1.17E-03	3.68E-07	1.07E-07	1.19E-03	3.76E-07	1.09E-07	1.19E-03	3.75E-07	1.09E-07
11	486073.61, 3854986.51	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.73E-07	1.09E-07	1.18E-03	3.73E-07	1.08E-07
12	486123.61, 3854986.51	1.15E-03	3.63E-07	1.06E-07	1.17E-03	3.71E-07	1.08E-07	1.17E-03	3.70E-07	1.08E-07
13	486173.61, 3854986.51	1.15E-03	3.63E-07	1.06E-07	1.17E-03	3.70E-07	1.08E-07	1.17E-03	3.70E-07	1.08E-07
14	486223.61, 3854986.51	1.14E-03	3.60E-07	1.05E-07	1.16E-03	3.68E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
15	486273.61, 3854986.51	1.13E-03	3.57E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
16	486323.61, 3854986.51	1.14E-03	3.59E-07	1.04E-07	1.16E-03	3.66E-07	1.06E-07	1.16E-03	3.66E-07	1.06E-07
17	485973.61, 3855036.51	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.74E-07	1.09E-07	1.18E-03	3.73E-07	1.09E-07
18	486023.61, 3855036.51	1.15E-03	3.64E-07	1.06E-07	1.18E-03	3.72E-07	1.08E-07	1.18E-03	3.71E-07	1.08E-07
19	486073.61, 3855036.51	1.14E-03	3.61E-07	1.05E-07	1.17E-03	3.68E-07	1.07E-07	1.16E-03	3.68E-07	1.07E-07
20	486123.61, 3855036.51	1.14E-03	3.59E-07	1.04E-07	1.16E-03	3.66E-07	1.06E-07	1.16E-03	3.66E-07	1.06E-07
21	486173.61, 3855036.51	1.14E-03	3.59E-07	1.04E-07	1.16E-03	3.66E-07	1.06E-07	1.16E-03	3.65E-07	1.06E-07
22	486223.61, 3855036.51	1.13E-03	3.55E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07
23	486273.61, 3855036.51	1.13E-03	3.55E-07	1.03E-07	1.15E-03	3.63E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07
24	486323.61, 3855036.51	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.60E-07	1.05E-07
25	485973.61, 3855086.51	1.15E-03	3.61E-07	1.05E-07	1.17E-03	3.69E-07	1.07E-07	1.17E-03	3.68E-07	1.07E-07
26	486023.61, 3855086.51	1.14E-03	3.60E-07	1.05E-07	1.17E-03	3.68E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
27	486073.61, 3855086.51	1.13E-03	3.57E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
28	486123.61, 3855086.51	1.13E-03	3.56E-07	1.04E-07	1.15E-03	3.63E-07	1.06E-07	1.15E-03	3.63E-07	1.06E-07
29	486173.61, 3855086.51	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.60E-07	1.05E-07
30	486223.61, 3855086.51	1.12E-03	3.52E-07	1.02E-07	1.14E-03	3.59E-07	1.05E-07	1.14E-03	3.59E-07	1.04E-07
31	485973.61, 3855136.51	1.13E-03	3.58E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.16E-03	3.65E-07	1.06E-07
32	486023.61, 3855136.51	1.13E-03	3.56E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.63E-07	1.06E-07
33	486073.61, 3855136.51	1.12E-03	3.54E-07	1.03E-07	1.14E-03	3.61E-07	1.05E-07	1.14E-03	3.61E-07	1.05E-07
34	486123.61, 3855136.51	1.12E-03	3.52E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.59E-07	1.04E-07
35	486173.61, 3855136.51	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
36	486223.61, 3855136.51	1.10E-03	3.48E-07	1.01E-07	1.13E-03	3.55E-07	1.03E-07	1.13E-03	3.55E-07	1.03E-07
37	485973.61, 3855186.51	1.12E-03	3.55E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07
38	486023.61, 3855186.51	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.60E-07	1.05E-07
39	486073.61, 3855186.51	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
40	486123.61, 3855186.51	1.10E-03	3.47E-07	1.01E-07	1.12E-03	3.54E-07	1.03E-07	1.12E-03	3.54E-07	1.03E-07
41	486173.61, 3855186.51	1.10E-03	3.46E-07	1.01E-07	1.12E-03	3.53E-07	1.03E-07	1.12E-03	3.52E-07	1.02E-07
42	486223.61, 3855186.51	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
43	486273.61, 3855186.51	1.08E-03	3.42E-07	9.94E-08	1.11E-03	3.49E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
44	486323.61, 3855186.51	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
45	485973.61, 3855236.51	1.11E-03	3.51E-07	1.02E-07	1.13E-03	3.58E-07	1.04E-07	1.13E-03	3.58E-07	1.04E-07
46	486023.61, 3855236.51	1.10E-03	3.48E-07	1.01E-07	1.13E-03	3.55E-07	1.03E-07	1.12E-03	3.55E-07	1.03E-07
47	486073.61, 3855236.51	1.09E-03	3.45E-07	1.00E-07	1.12E-03	3.52E-07	1.02E-07	1.11E-03	3.52E-07	1.02E-07
48	486123.61, 3855236.51	1.09E-03	3.43E-07	9.98E-08	1.11E-03	3.50E-07	1.02E-07	1.11E-03	3.50E-07	1.02E-07
49	486173.61, 3855236.51	1.08E-03	3.42E-07	9.94E-08	1.10E-03	3.49E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
50	486223.61, 3855236.51	1.08E-03	3.40E-07	9.88E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.46E-07	1.01E-07
51	486273.61, 3855236.51	1.06E-03	3.36E-07	9.76E-08	1.08E-03	3.42E-07	9.96E-08	1.08E-03	3.42E-07	9.95E-08
52	486323.61, 3855236.51	1.08E-03	3.40E-07	9.89E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
53	485973.61, 3855286.51	1.10E-03	3.47E-07	1.01E-07	1.12E-03	3.54E-07	1.03E-07	1.12E-03	3.54E-07	1.03E-07
54	486023.61, 3855286.51	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
55	486073.61, 3855286.51	1.08E-03	3.41E-07	9.93E-08	1.10E-03	3.48E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
56	486123.61, 3855286.51	1.07E-03	3.39E-07	9.85E-08	1.10E-03	3.46E-07	1.01E-07	1.09E-03	3.45E-07	1.00E-07
57	486173.61, 3855286.51	1.07E-03	3.36E-07	9.79E-08	1.09E-03	3.43E-07	9.99E-08	1.09E-03	3.43E-07	9.98E-08

58	486223.61, 3855286.51	1.06E-03	3.35E-07	9.75E-08	1.08E-03	3.42E-07	9.95E-08	1.08E-03	3.42E-07	9.94E-08
59	486123.61, 3855336.51	1.06E-03	3.34E-07	9.73E-08	1.08E-03	3.41E-07	9.93E-08	1.08E-03	3.41E-07	9.91E-08
60	486173.61, 3855336.51	1.05E-03	3.33E-07	9.68E-08	1.08E-03	3.40E-07	9.88E-08	1.07E-03	3.39E-07	9.87E-08
61	486223.61, 3855336.51	1.05E-03	3.31E-07	9.63E-08	1.07E-03	3.38E-07	9.82E-08	1.07E-03	3.37E-07	9.81E-08
62	486123.61, 3855386.51	1.05E-03	3.31E-07	9.62E-08	1.07E-03	3.37E-07	9.81E-08	1.07E-03	3.37E-07	9.80E-08
63	486173.61, 3855386.51	1.04E-03	3.29E-07	9.57E-08	1.06E-03	3.36E-07	9.76E-08	1.06E-03	3.35E-07	9.75E-08
64	486223.61, 3855386.51	1.04E-03	3.27E-07	9.52E-08	1.06E-03	3.34E-07	9.72E-08	1.06E-03	3.34E-07	9.71E-08
65	486533.18, 3855443.15	1.01E-03	3.18E-07	9.26E-08	1.03E-03	3.25E-07	9.45E-08	1.03E-03	3.24E-07	9.43E-08
66	486583.18, 3855443.15	1.00E-03	3.17E-07	9.22E-08	1.02E-03	3.23E-07	9.40E-08	1.02E-03	3.23E-07	9.39E-08
67	486633.18, 3855443.15	9.99E-04	3.15E-07	9.18E-08	1.02E-03	3.22E-07	9.36E-08	1.02E-03	3.22E-07	9.35E-08
68	486683.18, 3855443.15	9.98E-04	3.15E-07	9.16E-08	1.02E-03	3.21E-07	9.35E-08	1.02E-03	3.21E-07	9.34E-08
69	486533.18, 3855493.15	9.96E-04	3.14E-07	9.14E-08	1.02E-03	3.21E-07	9.33E-08	1.02E-03	3.20E-07	9.32E-08
70	486583.18, 3855493.15	9.93E-04	3.13E-07	9.12E-08	1.01E-03	3.20E-07	9.30E-08	1.01E-03	3.19E-07	9.29E-08
71	486633.18, 3855493.15	9.89E-04	3.12E-07	9.08E-08	1.01E-03	3.19E-07	9.27E-08	1.01E-03	3.18E-07	9.26E-08
72	486683.18, 3855493.15	9.85E-04	3.11E-07	9.05E-08	1.01E-03	3.17E-07	9.23E-08	1.00E-03	3.17E-07	9.22E-08
73	486533.18, 3855543.15	9.86E-04	3.11E-07	9.05E-08	1.01E-03	3.18E-07	9.24E-08	1.00E-03	3.17E-07	9.23E-08
74	486583.18, 3855543.15	9.80E-04	3.09E-07	8.99E-08	1.00E-03	3.16E-07	9.18E-08	9.99E-04	3.15E-07	9.17E-08
75	486633.18, 3855543.15	9.77E-04	3.08E-07	8.97E-08	9.97E-04	3.15E-07	9.15E-08	9.96E-04	3.14E-07	9.14E-08
76	486683.18, 3855543.15	9.70E-04	3.06E-07	8.90E-08	9.90E-04	3.12E-07	9.08E-08	9.88E-04	3.12E-07	9.07E-08
77	486533.18, 3855593.15	9.74E-04	3.07E-07	8.94E-08	9.94E-04	3.14E-07	9.12E-08	9.93E-04	3.13E-07	9.11E-08
78	486583.18, 3855593.15	9.69E-04	3.06E-07	8.90E-08	9.89E-04	3.12E-07	9.08E-08	9.88E-04	3.12E-07	9.07E-08
79	486633.18, 3855593.15	9.65E-04	3.05E-07	8.86E-08	9.85E-04	3.11E-07	9.04E-08	9.84E-04	3.11E-07	9.03E-08
80	486683.18, 3855593.15	9.63E-04	3.04E-07	8.84E-08	9.82E-04	3.10E-07	9.02E-08	9.81E-04	3.10E-07	9.01E-08
81	486533.18, 3855643.15	9.63E-04	3.04E-07	8.84E-08	9.83E-04	3.10E-07	9.02E-08	9.82E-04	3.10E-07	9.01E-08
82	486583.18, 3855643.15	9.59E-04	3.03E-07	8.81E-08	9.79E-04	3.09E-07	8.99E-08	9.78E-04	3.09E-07	8.98E-08
83	486633.18, 3855643.15	9.55E-04	3.02E-07	8.77E-08	9.75E-04	3.08E-07	8.95E-08	9.74E-04	3.07E-07	8.94E-08
84	486683.18, 3855643.15	9.52E-04	3.00E-07	8.74E-08	9.71E-04	3.07E-07	8.92E-08	9.70E-04	3.06E-07	8.91E-08
85	486533.18, 3855693.15	9.55E-04	3.02E-07	8.77E-08	9.75E-04	3.08E-07	8.95E-08	9.74E-04	3.07E-07	8.94E-08
86	486583.18, 3855693.15	9.48E-04	2.99E-07	8.71E-08	9.68E-04	3.05E-07	8.88E-08	9.66E-04	3.05E-07	8.87E-08
87	486633.18, 3855693.15	9.41E-04	2.97E-07	8.64E-08	9.60E-04	3.03E-07	8.81E-08	9.59E-04	3.03E-07	8.80E-08
88	486683.18, 3855693.15	9.41E-04	2.97E-07	8.64E-08	9.60E-04	3.03E-07	8.82E-08	9.59E-04	3.03E-07	8.81E-08
89	486733.18, 3855693.15	9.45E-04	2.98E-07	8.67E-08	9.64E-04	3.04E-07	8.85E-08	9.63E-04	3.04E-07	8.84E-08
90	486783.18, 3855693.15	9.50E-04	3.00E-07	8.72E-08	9.69E-04	3.06E-07	8.90E-08	9.68E-04	3.06E-07	8.89E-08
91	486533.18, 3855743.15	9.46E-04	2.99E-07	8.68E-08	9.65E-04	3.05E-07	8.86E-08	9.64E-04	3.04E-07	8.85E-08
92	486583.18, 3855743.15	9.36E-04	2.95E-07	8.59E-08	9.55E-04	3.01E-07	8.77E-08	9.54E-04	3.01E-07	8.76E-08
93	486633.18, 3855743.15	9.31E-04	2.94E-07	8.55E-08	9.50E-04	3.00E-07	8.73E-08	9.49E-04	3.00E-07	8.72E-08
94	486683.18, 3855743.15	9.34E-04	2.95E-07	8.57E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.00E-07	8.74E-08
95	486733.18, 3855743.15	9.33E-04	2.95E-07	8.57E-08	9.53E-04	3.01E-07	8.74E-08	9.51E-04	3.00E-07	8.73E-08
96	486783.18, 3855743.15	9.40E-04	2.97E-07	8.63E-08	9.59E-04	3.03E-07	8.81E-08	9.58E-04	3.02E-07	8.80E-08
97	486533.18, 3855793.15	9.38E-04	2.96E-07	8.61E-08	9.57E-04	3.02E-07	8.78E-08	9.56E-04	3.02E-07	8.77E-08
98	486583.18, 3855793.15	9.24E-04	2.92E-07	8.48E-08	9.43E-04	2.98E-07	8.65E-08	9.42E-04	2.97E-07	8.64E-08
99	486633.18, 3855793.15	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.67E-08	9.43E-04	2.98E-07	8.66E-08
100	486683.18, 3855793.15	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.69E-08	9.45E-04	2.98E-07	8.68E-08
101	486733.18, 3855793.15	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.70E-08	9.46E-04	2.99E-07	8.69E-08
102	486783.18, 3855793.15	9.30E-04	2.94E-07	8.54E-08	9.49E-04	3.00E-07	8.71E-08	9.48E-04	2.99E-07	8.70E-08
103	486533.18, 3855843.15	9.27E-04	2.93E-07	8.51E-08	9.46E-04	2.99E-07	8.68E-08	9.45E-04	2.98E-07	8.67E-08
104	486583.18, 3855843.15	9.17E-04	2.89E-07	8.42E-08	9.36E-04	2.95E-07	8.59E-08	9.35E-04	2.95E-07	8.58E-08
105	486633.18, 3855843.15	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
106	486683.18, 3855843.15	9.20E-04	2.90E-07	8.45E-08	9.39E-04	2.96E-07	8.62E-08	9.38E-04	2.96E-07	8.61E-08
107	486733.18, 3855843.15	9.22E-04	2.91E-07	8.46E-08	9.41E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08
108	486783.18, 3855843.15	9.23E-04	2.91E-07	8.47E-08	9.42E-04	2.97E-07	8.65E-08	9.41E-04	2.97E-07	8.64E-08
109	486533.18, 3855893.15	9.13E-04	2.88E-07	8.39E-08	9.32E-04	2.94E-07	8.56E-08	9.31E-04	2.94E-07	8.55E-08
110	486583.18, 3855893.15	9.13E-04	2.88E-07	8.38E-08	9.31E-04	2.94E-07	8.55E-08	9.30E-04	2.94E-07	8.54E-08
111	486633.18, 3855893.15	9.12E-04	2.88E-07	8.37E-08	9.30E-04	2.94E-07	8.54E-08	9.29E-04	2.93E-07	8.53E-08
112	486683.18, 3855893.15	9.13E-04	2.88E-07	8.38E-08	9.32E-04	2.94E-07	8.55E-08	9.30E-04	2.94E-07	8.54E-08
113	486733.18, 3855893.15	9.14E-04	2.89E-07	8.39E-08	9.33E-04	2.94E-07	8.57E-08	9.32E-04	2.94E-07	8.56E-08
114	486783.18, 3855893.15	9.17E-04	2.89E-07	8.42E-08	9.36E-04	2.95E-07	8.59E-08	9.35E-04	2.95E-07	8.58E-08
115	486533.18, 3855943.15	9.07E-04	2.86E-07	8.33E-08	9.26E-04	2.92E-07	8.50E-08	9.25E-04	2.92E-07	8.49E-08
116	486583.18, 3855943.15	9.09E-04	2.87E-07	8.34E-08	9.27E-04	2.93E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
117	486633.18, 3855943.15	9.06E-04	2.86E-07	8.32E-08	9.25E-04	2.92E-07	8.49E-08	9.24E-04	2.92E-07	8.48E-08
118	486683.18, 3855943.15	9.08E-04	2.87E-07	8.33E-08	9.26E-04	2.92E-07	8.50E-08	9.25E-04	2.92E-07	8.49E-08

119	486733.18, 3855943.15	9.08E-04	2.86E-07	8.33E-08	9.26E-04	2.92E-07	8.50E-08	9.25E-04	2.92E-07	8.49E-08
120	486783.18, 3855943.15	9.10E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
121	486533.18, 3855993.15	9.05E-04	2.86E-07	8.30E-08	9.23E-04	2.91E-07	8.47E-08	9.22E-04	2.91E-07	8.46E-08
122	486583.18, 3855993.15	9.03E-04	2.85E-07	8.29E-08	9.22E-04	2.91E-07	8.46E-08	9.21E-04	2.91E-07	8.45E-08
123	486633.18, 3855993.15	9.02E-04	2.85E-07	8.28E-08	9.20E-04	2.90E-07	8.45E-08	9.19E-04	2.90E-07	8.44E-08
124	486683.18, 3855993.15	9.03E-04	2.85E-07	8.29E-08	9.21E-04	2.91E-07	8.45E-08	9.20E-04	2.90E-07	8.45E-08
125	486733.18, 3855993.15	9.02E-04	2.85E-07	8.28E-08	9.21E-04	2.91E-07	8.45E-08	9.20E-04	2.90E-07	8.44E-08
126	486783.18, 3855993.15	9.03E-04	2.85E-07	8.29E-08	9.22E-04	2.91E-07	8.46E-08	9.21E-04	2.91E-07	8.45E-08
127	486533.18, 3856043.15	9.02E-04	2.85E-07	8.28E-08	9.21E-04	2.91E-07	8.45E-08	9.20E-04	2.90E-07	8.44E-08
128	486583.18, 3856043.15	9.01E-04	2.84E-07	8.27E-08	9.20E-04	2.90E-07	8.44E-08	9.19E-04	2.90E-07	8.43E-08
129	486633.18, 3856043.15	8.98E-04	2.84E-07	8.25E-08	9.17E-04	2.89E-07	8.42E-08	9.16E-04	2.89E-07	8.41E-08
130	486683.18, 3856043.15	8.99E-04	2.84E-07	8.25E-08	9.17E-04	2.89E-07	8.42E-08	9.16E-04	2.89E-07	8.41E-08
131	486733.18, 3856043.15	8.97E-04	2.83E-07	8.24E-08	9.16E-04	2.89E-07	8.41E-08	9.14E-04	2.89E-07	8.40E-08
132	486783.18, 3856043.15	8.99E-04	2.84E-07	8.26E-08	9.18E-04	2.90E-07	8.42E-08	9.17E-04	2.89E-07	8.41E-08
133	486533.18, 3856093.15	9.02E-04	2.85E-07	8.28E-08	9.20E-04	2.90E-07	8.45E-08	9.19E-04	2.90E-07	8.44E-08
134	486583.18, 3856093.15	8.99E-04	2.84E-07	8.25E-08	9.17E-04	2.90E-07	8.42E-08	9.16E-04	2.89E-07	8.41E-08
135	486633.18, 3856093.15	8.96E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
136	486683.18, 3856093.15	8.95E-04	2.83E-07	8.22E-08	9.14E-04	2.88E-07	8.39E-08	9.13E-04	2.88E-07	8.38E-08
137	486733.18, 3856093.15	8.94E-04	2.82E-07	8.21E-08	9.12E-04	2.88E-07	8.37E-08	9.11E-04	2.88E-07	8.37E-08
138	486783.18, 3856093.15	8.94E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.11E-04	2.88E-07	8.37E-08
139	486533.18, 3856143.15	9.00E-04	2.84E-07	8.27E-08	9.19E-04	2.90E-07	8.44E-08	9.18E-04	2.90E-07	8.43E-08
140	486583.18, 3856143.15	8.97E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
141	486633.18, 3856143.15	8.95E-04	2.82E-07	8.22E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
142	486683.18, 3856143.15	8.93E-04	2.82E-07	8.20E-08	9.11E-04	2.88E-07	8.36E-08	9.10E-04	2.87E-07	8.35E-08
143	486733.18, 3856143.15	8.91E-04	2.81E-07	8.18E-08	9.10E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
144	486783.18, 3856143.15	8.93E-04	2.82E-07	8.20E-08	9.11E-04	2.88E-07	8.36E-08	9.10E-04	2.87E-07	8.35E-08
145	486533.18, 3856193.15	9.01E-04	2.84E-07	8.27E-08	9.19E-04	2.90E-07	8.44E-08	9.18E-04	2.90E-07	8.43E-08
146	486583.18, 3856193.15	8.96E-04	2.83E-07	8.22E-08	9.14E-04	2.88E-07	8.39E-08	9.13E-04	2.88E-07	8.38E-08
147	486633.18, 3856193.15	8.94E-04	2.82E-07	8.21E-08	9.12E-04	2.88E-07	8.37E-08	9.11E-04	2.88E-07	8.37E-08
148	486683.18, 3856193.15	8.93E-04	2.82E-07	8.20E-08	9.12E-04	2.88E-07	8.37E-08	9.11E-04	2.87E-07	8.36E-08
149	486733.18, 3856193.15	8.90E-04	2.81E-07	8.17E-08	9.09E-04	2.87E-07	8.34E-08	9.08E-04	2.86E-07	8.33E-08
150	486783.18, 3856193.15	8.91E-04	2.81E-07	8.18E-08	9.09E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
151	486533.18, 3856243.15	9.00E-04	2.84E-07	8.26E-08	9.18E-04	2.90E-07	8.43E-08	9.17E-04	2.89E-07	8.42E-08
152	486583.18, 3856243.15	8.97E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.89E-07	8.39E-08
153	486633.18, 3856243.15	8.94E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.11E-04	2.88E-07	8.37E-08
154	486683.18, 3856243.15	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
155	486733.18, 3856243.15	8.91E-04	2.81E-07	8.18E-08	9.10E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
156	486783.18, 3856243.15	8.90E-04	2.81E-07	8.17E-08	9.08E-04	2.87E-07	8.33E-08	9.07E-04	2.86E-07	8.32E-08
157	486533.18, 3856293.15	8.99E-04	2.84E-07	8.26E-08	9.18E-04	2.90E-07	8.42E-08	9.17E-04	2.89E-07	8.41E-08
158	486583.18, 3856293.15	8.97E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
159	486633.18, 3856293.15	8.95E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
160	486683.18, 3856293.15	8.93E-04	2.82E-07	8.19E-08	9.11E-04	2.87E-07	8.36E-08	9.10E-04	2.87E-07	8.35E-08
161	486733.18, 3856293.15	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
162	486783.18, 3856293.15	8.90E-04	2.81E-07	8.17E-08	9.08E-04	2.87E-07	8.34E-08	9.07E-04	2.86E-07	8.33E-08
163	486783.18, 3856343.15	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
164	486833.18, 3856343.15	8.90E-04	2.81E-07	8.17E-08	9.09E-04	2.87E-07	8.34E-08	9.08E-04	2.86E-07	8.33E-08
165	486883.18, 3856343.15	8.89E-04	2.81E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08
166	486783.18, 3856393.15	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
167	486833.18, 3856393.15	8.91E-04	2.81E-07	8.18E-08	9.09E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
168	486883.18, 3856393.15	8.88E-04	2.80E-07	8.16E-08	9.07E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
169	487208.74, 3856886.11	9.11E-04	2.88E-07	8.36E-08	9.30E-04	2.93E-07	8.54E-08	9.29E-04	2.93E-07	8.52E-08
170	487258.74, 3856886.11	9.10E-04	2.87E-07	8.35E-08	9.29E-04	2.93E-07	8.52E-08	9.27E-04	2.93E-07	8.51E-08
171	487308.74, 3856886.11	9.08E-04	2.87E-07	8.34E-08	9.27E-04	2.93E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
172	487358.74, 3856886.11	9.06E-04	2.86E-07	8.32E-08	9.25E-04	2.92E-07	8.49E-08	9.24E-04	2.92E-07	8.48E-08
173	487208.74, 3856936.11	9.16E-04	2.89E-07	8.40E-08	9.34E-04	2.95E-07	8.58E-08	9.33E-04	2.95E-07	8.57E-08
174	487258.74, 3856936.11	9.15E-04	2.89E-07	8.40E-08	9.34E-04	2.95E-07	8.57E-08	9.33E-04	2.94E-07	8.56E-08
175	487308.74, 3856936.11	9.15E-04	2.89E-07	8.40E-08	9.33E-04	2.95E-07	8.57E-08	9.32E-04	2.94E-07	8.56E-08
176	487358.74, 3856936.11	9.13E-04	2.88E-07	8.38E-08	9.32E-04	2.94E-07	8.55E-08	9.31E-04	2.94E-07	8.54E-08
177	487208.74, 3856986.11	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
178	487258.74, 3856986.11	9.21E-04	2.91E-07	8.46E-08	9.40E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08
179	487308.74, 3856986.11	9.21E-04	2.91E-07	8.45E-08	9.40E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08

180	487358.74, 3856986.11	9.21E-04	2.91E-07	8.45E-08	9.40E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08
181	487208.74, 3857036.11	9.21E-04	2.91E-07	8.46E-08	9.40E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08
182	487258.74, 3857036.11	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.66E-08	9.43E-04	2.98E-07	8.65E-08
183	487308.74, 3857036.11	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.69E-08	9.46E-04	2.98E-07	8.68E-08
184	487358.74, 3857036.11	9.29E-04	2.93E-07	8.53E-08	9.48E-04	2.99E-07	8.70E-08	9.47E-04	2.99E-07	8.69E-08
185	487427.14, 3856878.23	9.05E-04	2.86E-07	8.31E-08	9.24E-04	2.92E-07	8.48E-08	9.23E-04	2.91E-07	8.47E-08
186	487477.14, 3856878.23	9.05E-04	2.86E-07	8.31E-08	9.23E-04	2.91E-07	8.48E-08	9.22E-04	2.91E-07	8.47E-08
187	487527.14, 3856878.23	9.05E-04	2.86E-07	8.30E-08	9.23E-04	2.91E-07	8.47E-08	9.22E-04	2.91E-07	8.46E-08
188	487427.14, 3856928.23	9.11E-04	2.88E-07	8.37E-08	9.30E-04	2.94E-07	8.54E-08	9.29E-04	2.93E-07	8.53E-08
189	487477.14, 3856928.23	9.10E-04	2.87E-07	8.35E-08	9.29E-04	2.93E-07	8.52E-08	9.27E-04	2.93E-07	8.51E-08
190	487527.14, 3856928.23	9.10E-04	2.87E-07	8.35E-08	9.29E-04	2.93E-07	8.52E-08	9.27E-04	2.93E-07	8.51E-08
191	487577.14, 3856928.23	9.10E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
192	487627.14, 3856928.23	9.10E-04	2.87E-07	8.35E-08	9.28E-04	2.93E-07	8.52E-08	9.27E-04	2.93E-07	8.51E-08
193	487677.14, 3856928.23	9.12E-04	2.88E-07	8.37E-08	9.31E-04	2.94E-07	8.54E-08	9.30E-04	2.93E-07	8.53E-08
194	487727.14, 3856928.23	9.15E-04	2.89E-07	8.40E-08	9.34E-04	2.95E-07	8.57E-08	9.33E-04	2.94E-07	8.56E-08
195	487777.14, 3856928.23	9.18E-04	2.90E-07	8.42E-08	9.36E-04	2.96E-07	8.60E-08	9.35E-04	2.95E-07	8.59E-08
196	487427.14, 3856978.23	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
197	487477.14, 3856978.23	9.18E-04	2.90E-07	8.42E-08	9.36E-04	2.96E-07	8.60E-08	9.35E-04	2.95E-07	8.59E-08
198	487527.14, 3856978.23	9.17E-04	2.90E-07	8.42E-08	9.36E-04	2.95E-07	8.59E-08	9.35E-04	2.95E-07	8.58E-08
199	487577.14, 3856978.23	9.17E-04	2.89E-07	8.42E-08	9.36E-04	2.95E-07	8.59E-08	9.35E-04	2.95E-07	8.58E-08
200	487627.14, 3856978.23	9.16E-04	2.89E-07	8.41E-08	9.35E-04	2.95E-07	8.58E-08	9.33E-04	2.95E-07	8.57E-08
201	487677.14, 3856978.23	9.18E-04	2.90E-07	8.42E-08	9.36E-04	2.96E-07	8.60E-08	9.35E-04	2.95E-07	8.59E-08
202	487727.14, 3856978.23	9.16E-04	2.89E-07	8.41E-08	9.35E-04	2.95E-07	8.58E-08	9.34E-04	2.95E-07	8.57E-08
203	487777.14, 3856978.23	9.23E-04	2.91E-07	8.48E-08	9.42E-04	2.97E-07	8.65E-08	9.41E-04	2.97E-07	8.64E-08
204	487427.14, 3857028.23	9.27E-04	2.92E-07	8.51E-08	9.46E-04	2.98E-07	8.68E-08	9.45E-04	2.98E-07	8.67E-08
205	487477.14, 3857028.23	9.26E-04	2.92E-07	8.50E-08	9.45E-04	2.98E-07	8.68E-08	9.44E-04	2.98E-07	8.67E-08
206	487527.14, 3857028.23	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.66E-08	9.43E-04	2.98E-07	8.65E-08
207	487577.14, 3857028.23	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.66E-08	9.42E-04	2.97E-07	8.65E-08
208	487627.14, 3857028.23	9.23E-04	2.91E-07	8.48E-08	9.42E-04	2.97E-07	8.65E-08	9.41E-04	2.97E-07	8.64E-08
209	487677.14, 3857028.23	9.24E-04	2.92E-07	8.48E-08	9.43E-04	2.98E-07	8.65E-08	9.42E-04	2.97E-07	8.64E-08
210	487727.14, 3857028.23	9.26E-04	2.92E-07	8.50E-08	9.45E-04	2.98E-07	8.68E-08	9.44E-04	2.98E-07	8.67E-08
211	487777.14, 3857028.23	9.29E-04	2.93E-07	8.53E-08	9.48E-04	2.99E-07	8.70E-08	9.47E-04	2.99E-07	8.69E-08
212	487427.14, 3857078.23	9.35E-04	2.95E-07	8.59E-08	9.54E-04	3.01E-07	8.76E-08	9.53E-04	3.01E-07	8.75E-08
213	487477.14, 3857078.23	9.34E-04	2.95E-07	8.58E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.01E-07	8.74E-08
214	487527.14, 3857078.23	9.34E-04	2.95E-07	8.58E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.00E-07	8.74E-08
215	487577.14, 3857078.23	9.33E-04	2.95E-07	8.57E-08	9.52E-04	3.01E-07	8.74E-08	9.51E-04	3.00E-07	8.73E-08
216	487627.14, 3857078.23	9.32E-04	2.94E-07	8.56E-08	9.51E-04	3.00E-07	8.73E-08	9.50E-04	3.00E-07	8.72E-08
217	487677.14, 3857078.23	9.32E-04	2.94E-07	8.56E-08	9.51E-04	3.00E-07	8.73E-08	9.50E-04	3.00E-07	8.72E-08
218	487727.14, 3857078.23	9.34E-04	2.95E-07	8.57E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.00E-07	8.74E-08
219	487777.14, 3857078.23	9.35E-04	2.95E-07	8.58E-08	9.54E-04	3.01E-07	8.76E-08	9.53E-04	3.01E-07	8.75E-08
220	487427.14, 3857128.23	9.44E-04	2.98E-07	8.66E-08	9.63E-04	3.04E-07	8.84E-08	9.62E-04	3.04E-07	8.83E-08
221	487477.14, 3857128.23	9.44E-04	2.98E-07	8.66E-08	9.63E-04	3.04E-07	8.84E-08	9.62E-04	3.04E-07	8.83E-08
222	487527.14, 3857128.23	9.43E-04	2.98E-07	8.65E-08	9.62E-04	3.04E-07	8.83E-08	9.61E-04	3.03E-07	8.82E-08
223	487577.14, 3857128.23	9.42E-04	2.97E-07	8.65E-08	9.62E-04	3.03E-07	8.83E-08	9.60E-04	3.03E-07	8.82E-08
224	487627.14, 3857128.23	9.42E-04	2.97E-07	8.65E-08	9.61E-04	3.03E-07	8.82E-08	9.60E-04	3.03E-07	8.81E-08
225	487677.14, 3857128.23	9.41E-04	2.97E-07	8.64E-08	9.60E-04	3.03E-07	8.81E-08	9.59E-04	3.03E-07	8.80E-08
226	487727.14, 3857128.23	9.43E-04	2.98E-07	8.66E-08	9.62E-04	3.04E-07	8.83E-08	9.61E-04	3.03E-07	8.82E-08
227	487777.14, 3857128.23	9.43E-04	2.98E-07	8.66E-08	9.62E-04	3.04E-07	8.83E-08	9.61E-04	3.03E-07	8.82E-08
228	488049.44, 3856539.39	8.93E-04	2.82E-07	8.20E-08	9.11E-04	2.88E-07	8.37E-08	9.10E-04	2.87E-07	8.36E-08
229	488099.44, 3856539.39	8.90E-04	2.81E-07	8.17E-08	9.08E-04	2.87E-07	8.34E-08	9.07E-04	2.86E-07	8.33E-08
230	488149.44, 3856539.39	8.89E-04	2.81E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08
231	488049.44, 3856589.39	8.95E-04	2.82E-07	8.22E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
232	488099.44, 3856589.39	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
233	488149.44, 3856589.39	8.90E-04	2.81E-07	8.17E-08	9.08E-04	2.87E-07	8.34E-08	9.07E-04	2.86E-07	8.33E-08
234	488199.44, 3856589.39	8.87E-04	2.80E-07	8.15E-08	9.05E-04	2.86E-07	8.31E-08	9.04E-04	2.85E-07	8.30E-08
235	488249.44, 3856589.39	8.88E-04	2.80E-07	8.16E-08	9.07E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
236	488049.44, 3856639.39	8.97E-04	2.83E-07	8.24E-08	9.16E-04	2.89E-07	8.41E-08	9.14E-04	2.89E-07	8.40E-08
237	488099.44, 3856639.39	8.94E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.11E-04	2.88E-07	8.37E-08
238	488149.44, 3856639.39	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
239	488199.44, 3856639.39	8.91E-04	2.81E-07	8.18E-08	9.09E-04	2.87E-07	8.34E-08	9.08E-04	2.87E-07	8.33E-08
240	488249.44, 3856639.39	8.89E-04	2.81E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08

241	488299.44, 3856639.39	8.88E-04	2.80E-07	8.15E-08	9.06E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
242	488349.44, 3856639.39	8.86E-04	2.80E-07	8.13E-08	9.04E-04	2.85E-07	8.30E-08	9.03E-04	2.85E-07	8.29E-08
243	488399.44, 3856639.39	8.86E-04	2.80E-07	8.13E-08	9.04E-04	2.85E-07	8.30E-08	9.03E-04	2.85E-07	8.29E-08
244	488099.44, 3856689.39	8.98E-04	2.84E-07	8.25E-08	9.17E-04	2.89E-07	8.42E-08	9.16E-04	2.89E-07	8.41E-08
245	488149.44, 3856689.39	8.95E-04	2.83E-07	8.22E-08	9.13E-04	2.88E-07	8.39E-08	9.12E-04	2.88E-07	8.38E-08
246	488199.44, 3856689.39	8.94E-04	2.82E-07	8.20E-08	9.12E-04	2.88E-07	8.37E-08	9.11E-04	2.87E-07	8.36E-08
247	488249.44, 3856689.39	8.91E-04	2.81E-07	8.18E-08	9.09E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
248	488299.44, 3856689.39	8.91E-04	2.81E-07	8.18E-08	9.09E-04	2.87E-07	8.34E-08	9.08E-04	2.87E-07	8.33E-08
249	488349.44, 3856689.39	8.88E-04	2.80E-07	8.16E-08	9.07E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
250	488399.44, 3856689.39	8.85E-04	2.79E-07	8.12E-08	9.03E-04	2.85E-07	8.29E-08	9.02E-04	2.85E-07	8.28E-08
251	488099.44, 3856739.39	9.04E-04	2.85E-07	8.30E-08	9.22E-04	2.91E-07	8.47E-08	9.21E-04	2.91E-07	8.46E-08
252	488149.44, 3856739.39	9.00E-04	2.84E-07	8.26E-08	9.18E-04	2.90E-07	8.43E-08	9.17E-04	2.89E-07	8.42E-08
253	488199.44, 3856739.39	8.99E-04	2.84E-07	8.25E-08	9.17E-04	2.90E-07	8.42E-08	9.16E-04	2.89E-07	8.41E-08
254	488249.44, 3856739.39	8.96E-04	2.83E-07	8.23E-08	9.14E-04	2.89E-07	8.39E-08	9.13E-04	2.88E-07	8.38E-08
255	488299.44, 3856739.39	8.91E-04	2.81E-07	8.18E-08	9.10E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
256	488349.44, 3856739.39	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
257	488399.44, 3856739.39	8.93E-04	2.82E-07	8.20E-08	9.11E-04	2.88E-07	8.37E-08	9.10E-04	2.87E-07	8.36E-08
258	487999.44, 3856789.39	9.12E-04	2.88E-07	8.37E-08	9.30E-04	2.94E-07	8.54E-08	9.29E-04	2.93E-07	8.53E-08
259	488049.44, 3856789.39	9.10E-04	2.87E-07	8.35E-08	9.28E-04	2.93E-07	8.52E-08	9.27E-04	2.93E-07	8.51E-08
260	488099.44, 3856789.39	9.09E-04	2.87E-07	8.34E-08	9.27E-04	2.93E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
261	488149.44, 3856789.39	9.06E-04	2.86E-07	8.31E-08	9.24E-04	2.92E-07	8.48E-08	9.23E-04	2.91E-07	8.47E-08
262	488199.44, 3856789.39	9.04E-04	2.85E-07	8.30E-08	9.22E-04	2.91E-07	8.47E-08	9.21E-04	2.91E-07	8.46E-08
263	488249.44, 3856789.39	9.01E-04	2.84E-07	8.27E-08	9.19E-04	2.90E-07	8.44E-08	9.18E-04	2.90E-07	8.43E-08
264	488299.44, 3856789.39	8.97E-04	2.83E-07	8.24E-08	9.16E-04	2.89E-07	8.41E-08	9.14E-04	2.89E-07	8.40E-08
265	488349.44, 3856789.39	8.98E-04	2.83E-07	8.25E-08	9.16E-04	2.89E-07	8.41E-08	9.15E-04	2.89E-07	8.40E-08
266	488399.44, 3856789.39	8.98E-04	2.83E-07	8.24E-08	9.16E-04	2.89E-07	8.41E-08	9.15E-04	2.89E-07	8.40E-08
267	487949.44, 3856839.39	9.18E-04	2.90E-07	8.42E-08	9.36E-04	2.96E-07	8.60E-08	9.35E-04	2.95E-07	8.59E-08
268	487999.44, 3856839.39	9.17E-04	2.89E-07	8.42E-08	9.36E-04	2.95E-07	8.59E-08	9.35E-04	2.95E-07	8.58E-08
269	488049.44, 3856839.39	9.15E-04	2.89E-07	8.40E-08	9.34E-04	2.95E-07	8.57E-08	9.33E-04	2.94E-07	8.56E-08
270	488099.44, 3856839.39	9.13E-04	2.88E-07	8.39E-08	9.32E-04	2.94E-07	8.56E-08	9.31E-04	2.94E-07	8.55E-08
271	488149.44, 3856839.39	9.12E-04	2.88E-07	8.37E-08	9.31E-04	2.94E-07	8.54E-08	9.30E-04	2.93E-07	8.53E-08
272	488199.44, 3856839.39	9.10E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
273	487949.44, 3856889.39	9.21E-04	2.91E-07	8.46E-08	9.40E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08
274	487999.44, 3856889.39	9.23E-04	2.91E-07	8.48E-08	9.42E-04	2.97E-07	8.65E-08	9.41E-04	2.97E-07	8.64E-08
275	488049.44, 3856889.39	9.20E-04	2.90E-07	8.45E-08	9.39E-04	2.96E-07	8.62E-08	9.38E-04	2.96E-07	8.61E-08
276	488099.44, 3856889.39	9.20E-04	2.90E-07	8.45E-08	9.39E-04	2.96E-07	8.62E-08	9.38E-04	2.96E-07	8.61E-08
277	488635.86, 3857895.05	1.35E-03	4.27E-07	1.24E-07	1.38E-03	4.36E-07	1.27E-07	1.38E-03	4.35E-07	1.27E-07
278	489137.64, 3857804.15	1.25E-03	3.96E-07	1.15E-07	1.28E-03	4.04E-07	1.17E-07	1.28E-03	4.03E-07	1.17E-07
279	488617.32, 3857859.41	1.32E-03	4.16E-07	1.21E-07	1.34E-03	4.24E-07	1.23E-07	1.34E-03	4.24E-07	1.23E-07
280	488667.32, 3857859.41	1.32E-03	4.17E-07	1.21E-07	1.35E-03	4.25E-07	1.24E-07	1.35E-03	4.25E-07	1.23E-07
281	488717.32, 3857859.41	1.33E-03	4.18E-07	1.22E-07	1.35E-03	4.27E-07	1.24E-07	1.35E-03	4.26E-07	1.24E-07
282	488767.32, 3857859.41	1.34E-03	4.22E-07	1.23E-07	1.36E-03	4.30E-07	1.25E-07	1.36E-03	4.30E-07	1.25E-07
283	488617.32, 3857909.41	1.37E-03	4.31E-07	1.25E-07	1.39E-03	4.40E-07	1.28E-07	1.39E-03	4.39E-07	1.28E-07
284	488667.32, 3857909.41	1.38E-03	4.36E-07	1.27E-07	1.41E-03	4.45E-07	1.29E-07	1.41E-03	4.44E-07	1.29E-07
285	488717.32, 3857909.41	1.37E-03	4.34E-07	1.26E-07	1.40E-03	4.42E-07	1.29E-07	1.40E-03	4.42E-07	1.29E-07
286	488767.32, 3857909.41	1.39E-03	4.38E-07	1.27E-07	1.42E-03	4.47E-07	1.30E-07	1.41E-03	4.46E-07	1.30E-07
287	488417.32, 3857959.41	1.41E-03	4.44E-07	1.29E-07	1.43E-03	4.53E-07	1.32E-07	1.43E-03	4.52E-07	1.32E-07
288	488467.32, 3857959.41	1.41E-03	4.45E-07	1.30E-07	1.44E-03	4.54E-07	1.32E-07	1.44E-03	4.54E-07	1.32E-07
289	488517.32, 3857959.41	1.42E-03	4.47E-07	1.30E-07	1.45E-03	4.56E-07	1.33E-07	1.44E-03	4.56E-07	1.33E-07
290	488567.32, 3857959.41	1.42E-03	4.48E-07	1.30E-07	1.45E-03	4.57E-07	1.33E-07	1.45E-03	4.57E-07	1.33E-07
291	488617.32, 3857959.41	1.42E-03	4.49E-07	1.31E-07	1.45E-03	4.58E-07	1.33E-07	1.45E-03	4.58E-07	1.33E-07
292	488667.32, 3857959.41	1.43E-03	4.50E-07	1.31E-07	1.46E-03	4.60E-07	1.34E-07	1.45E-03	4.59E-07	1.34E-07
293	488717.32, 3857959.41	1.43E-03	4.53E-07	1.32E-07	1.46E-03	4.62E-07	1.34E-07	1.46E-03	4.61E-07	1.34E-07
294	488767.32, 3857959.41	1.44E-03	4.54E-07	1.32E-07	1.47E-03	4.64E-07	1.35E-07	1.47E-03	4.63E-07	1.35E-07
295	488417.32, 3858009.41	1.46E-03	4.62E-07	1.34E-07	1.49E-03	4.71E-07	1.37E-07	1.49E-03	4.71E-07	1.37E-07
296	488467.32, 3858009.41	1.47E-03	4.64E-07	1.35E-07	1.50E-03	4.74E-07	1.38E-07	1.50E-03	4.73E-07	1.38E-07
297	488517.32, 3858009.41	1.47E-03	4.65E-07	1.35E-07	1.50E-03	4.75E-07	1.38E-07	1.50E-03	4.74E-07	1.38E-07
298	488567.32, 3858009.41	1.48E-03	4.67E-07	1.36E-07	1.51E-03	4.76E-07	1.38E-07	1.51E-03	4.76E-07	1.38E-07
299	488617.32, 3858009.41	1.48E-03	4.67E-07	1.36E-07	1.51E-03	4.77E-07	1.39E-07	1.51E-03	4.76E-07	1.38E-07
300	488667.32, 3858009.41	1.48E-03	4.68E-07	1.36E-07	1.51E-03	4.78E-07	1.39E-07	1.51E-03	4.77E-07	1.39E-07
301	488717.32, 3858009.41	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.80E-07	1.39E-07	1.52E-03	4.79E-07	1.39E-07

302	488767.32, 3858009.41	1.50E-03	4.72E-07	1.37E-07	1.53E-03	4.82E-07	1.40E-07	1.52E-03	4.81E-07	1.40E-07
303	488417.32, 3858059.41	1.53E-03	4.82E-07	1.40E-07	1.56E-03	4.91E-07	1.43E-07	1.56E-03	4.91E-07	1.43E-07
304	488467.32, 3858059.41	1.53E-03	4.84E-07	1.41E-07	1.57E-03	4.94E-07	1.44E-07	1.56E-03	4.93E-07	1.44E-07
305	488517.32, 3858059.41	1.54E-03	4.86E-07	1.41E-07	1.57E-03	4.96E-07	1.44E-07	1.57E-03	4.95E-07	1.44E-07
306	488567.32, 3858059.41	1.54E-03	4.87E-07	1.42E-07	1.57E-03	4.97E-07	1.44E-07	1.57E-03	4.96E-07	1.44E-07
307	488617.32, 3858059.41	1.55E-03	4.88E-07	1.42E-07	1.58E-03	4.98E-07	1.45E-07	1.58E-03	4.97E-07	1.45E-07
308	488667.32, 3858059.41	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
309	488417.32, 3858109.41	1.59E-03	5.01E-07	1.46E-07	1.62E-03	5.11E-07	1.49E-07	1.62E-03	5.11E-07	1.49E-07
310	488467.32, 3858109.41	1.60E-03	5.05E-07	1.47E-07	1.63E-03	5.15E-07	1.50E-07	1.63E-03	5.15E-07	1.50E-07
311	488517.32, 3858109.41	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.18E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
312	488567.32, 3858109.41	1.61E-03	5.09E-07	1.48E-07	1.65E-03	5.19E-07	1.51E-07	1.64E-03	5.19E-07	1.51E-07
313	488617.32, 3858109.41	1.62E-03	5.10E-07	1.48E-07	1.65E-03	5.21E-07	1.51E-07	1.65E-03	5.20E-07	1.51E-07
314	488667.32, 3858109.41	1.62E-03	5.11E-07	1.49E-07	1.65E-03	5.22E-07	1.52E-07	1.65E-03	5.21E-07	1.52E-07
315	488769.93, 3858449.27	2.50E-03	7.88E-07	2.29E-07	2.55E-03	8.04E-07	2.34E-07	2.55E-03	8.03E-07	2.34E-07
316	488819.93, 3858449.27	2.51E-03	7.93E-07	2.31E-07	2.56E-03	8.09E-07	2.35E-07	2.56E-03	8.08E-07	2.35E-07
317	488819.93, 3858499.27	2.75E-03	8.69E-07	2.53E-07	2.81E-03	8.87E-07	2.58E-07	2.81E-03	8.86E-07	2.58E-07
318	488869.93, 3858499.27	2.76E-03	8.72E-07	2.54E-07	2.82E-03	8.90E-07	2.59E-07	2.82E-03	8.89E-07	2.58E-07
319	488869.93, 3858549.27	3.06E-03	9.67E-07	2.81E-07	3.13E-03	9.87E-07	2.87E-07	3.12E-03	9.86E-07	2.87E-07
320	489438.17, 3859571.48	1.08E-02	3.42E-06	9.95E-07	1.11E-02	3.49E-06	1.02E-06	1.10E-02	3.49E-06	1.01E-06
321	489488.17, 3859571.48	1.18E-02	3.73E-06	1.08E-06	1.20E-02	3.80E-06	1.11E-06	1.20E-02	3.80E-06	1.10E-06
322	489538.17, 3859571.48	1.29E-02	4.08E-06	1.19E-06	1.32E-02	4.16E-06	1.21E-06	1.32E-02	4.16E-06	1.21E-06
323	489588.17, 3859571.48	1.42E-02	4.47E-06	1.30E-06	1.44E-02	4.56E-06	1.33E-06	1.44E-02	4.55E-06	1.32E-06
324	489438.17, 3859621.48	9.53E-03	3.01E-06	8.75E-07	9.73E-03	3.07E-06	8.93E-07	9.71E-03	3.07E-06	8.92E-07
325	489488.17, 3859621.48	1.03E-02	3.24E-06	9.43E-07	1.05E-02	3.31E-06	9.62E-07	1.05E-02	3.30E-06	9.61E-07
326	489538.17, 3859621.48	1.11E-02	3.51E-06	1.02E-06	1.14E-02	3.58E-06	1.04E-06	1.13E-02	3.58E-06	1.04E-06
327	489588.17, 3859621.48	1.22E-02	3.84E-06	1.12E-06	1.24E-02	3.92E-06	1.14E-06	1.24E-02	3.91E-06	1.14E-06
328	489238.17, 3859671.48	6.63E-03	2.09E-06	6.09E-07	6.77E-03	2.14E-06	6.21E-07	6.76E-03	2.13E-06	6.21E-07
329	489288.17, 3859671.48	7.02E-03	2.22E-06	6.44E-07	7.16E-03	2.26E-06	6.58E-07	7.15E-03	2.26E-06	6.57E-07
330	489338.17, 3859671.48	7.47E-03	2.36E-06	6.86E-07	7.62E-03	2.41E-06	7.00E-07	7.61E-03	2.40E-06	6.99E-07
331	489388.17, 3859671.48	8.00E-03	2.52E-06	7.34E-07	8.16E-03	2.58E-06	7.49E-07	8.15E-03	2.57E-06	7.48E-07
332	489438.17, 3859671.48	8.52E-03	2.69E-06	7.82E-07	8.69E-03	2.74E-06	7.98E-07	8.68E-03	2.74E-06	7.97E-07
333	489488.17, 3859671.48	9.17E-03	2.89E-06	8.42E-07	9.35E-03	2.95E-06	8.59E-07	9.34E-03	2.95E-06	8.58E-07
334	489538.17, 3859671.48	9.86E-03	3.11E-06	9.05E-07	1.01E-02	3.18E-06	9.24E-07	1.01E-02	3.17E-06	9.23E-07
335	489588.17, 3859671.48	1.07E-02	3.36E-06	9.79E-07	1.09E-02	3.43E-06	9.99E-07	1.09E-02	3.43E-06	9.98E-07
336	489238.17, 3859721.48	6.13E-03	1.93E-06	5.63E-07	6.25E-03	1.97E-06	5.74E-07	6.25E-03	1.97E-06	5.74E-07
337	489288.17, 3859721.48	6.50E-03	2.05E-06	5.97E-07	6.63E-03	2.09E-06	6.09E-07	6.62E-03	2.09E-06	6.08E-07
338	489338.17, 3859721.48	6.87E-03	2.17E-06	6.31E-07	7.01E-03	2.21E-06	6.44E-07	7.01E-03	2.21E-06	6.43E-07
339	489388.17, 3859721.48	7.28E-03	2.30E-06	6.68E-07	7.43E-03	2.35E-06	6.82E-07	7.42E-03	2.34E-06	6.81E-07
340	489438.17, 3859721.48	7.72E-03	2.44E-06	7.09E-07	7.88E-03	2.49E-06	7.23E-07	7.87E-03	2.48E-06	7.22E-07
341	489488.17, 3859721.48	8.26E-03	2.61E-06	7.59E-07	8.43E-03	2.66E-06	7.74E-07	8.42E-03	2.66E-06	7.73E-07
342	489538.17, 3859721.48	8.84E-03	2.79E-06	8.12E-07	9.02E-03	2.85E-06	8.28E-07	9.01E-03	2.84E-06	8.27E-07
343	489588.17, 3859721.48	9.48E-03	2.99E-06	8.70E-07	9.67E-03	3.05E-06	8.88E-07	9.66E-03	3.05E-06	8.87E-07
344	489238.17, 3859771.48	5.70E-03	1.80E-06	5.24E-07	5.82E-03	1.84E-06	5.34E-07	5.81E-03	1.83E-06	5.34E-07
345	489288.17, 3859771.48	6.02E-03	1.90E-06	5.53E-07	6.14E-03	1.94E-06	5.64E-07	6.14E-03	1.94E-06	5.63E-07
346	489338.17, 3859771.48	6.33E-03	2.00E-06	5.81E-07	6.46E-03	2.04E-06	5.93E-07	6.45E-03	2.04E-06	5.92E-07
347	489388.17, 3859771.48	6.68E-03	2.11E-06	6.14E-07	6.82E-03	2.15E-06	6.26E-07	6.81E-03	2.15E-06	6.25E-07
348	489438.17, 3859771.48	7.05E-03	2.22E-06	6.47E-07	7.19E-03	2.27E-06	6.60E-07	7.18E-03	2.27E-06	6.60E-07
349	489488.17, 3859771.48	7.52E-03	2.37E-06	6.90E-07	7.67E-03	2.42E-06	7.05E-07	7.67E-03	2.42E-06	7.04E-07
350	489538.17, 3859771.48	8.01E-03	2.53E-06	7.35E-07	8.17E-03	2.58E-06	7.50E-07	8.16E-03	2.58E-06	7.49E-07
351	489588.17, 3859771.48	8.51E-03	2.69E-06	7.81E-07	8.69E-03	2.74E-06	7.97E-07	8.68E-03	2.74E-06	7.96E-07
352	489238.17, 3859821.48	5.32E-03	1.68E-06	4.89E-07	5.43E-03	1.71E-06	4.98E-07	5.42E-03	1.71E-06	4.98E-07
353	489288.17, 3859821.48	5.60E-03	1.77E-06	5.14E-07	5.72E-03	1.80E-06	5.25E-07	5.71E-03	1.80E-06	5.24E-07
354	489338.17, 3859821.48	5.88E-03	1.85E-06	5.39E-07	6.00E-03	1.89E-06	5.50E-07	5.99E-03	1.89E-06	5.50E-07
355	489388.17, 3859821.48	6.18E-03	1.95E-06	5.67E-07	6.30E-03	1.99E-06	5.79E-07	6.30E-03	1.99E-06	5.78E-07
356	489438.17, 3859821.48	6.53E-03	2.06E-06	6.00E-07	6.67E-03	2.10E-06	6.12E-07	6.66E-03	2.10E-06	6.11E-07
357	489488.17, 3859821.48	6.91E-03	2.18E-06	6.34E-07	7.05E-03	2.22E-06	6.47E-07	7.04E-03	2.22E-06	6.46E-07
358	489538.17, 3859821.48	7.31E-03	2.31E-06	6.71E-07	7.46E-03	2.35E-06	6.84E-07	7.45E-03	2.35E-06	6.84E-07
359	489588.17, 3859821.48	7.72E-03	2.44E-06	7.09E-07	7.88E-03	2.49E-06	7.23E-07	7.87E-03	2.48E-06	7.22E-07
360	489238.17, 3859871.48	5.00E-03	1.58E-06	4.59E-07	5.10E-03	1.61E-06	4.68E-07	5.09E-03	1.61E-06	4.67E-07
361	489288.17, 3859871.48	5.23E-03	1.65E-06	4.80E-07	5.34E-03	1.68E-06	4.90E-07	5.33E-03	1.68E-06	4.89E-07
362	489338.17, 3859871.48	5.48E-03	1.73E-06	5.03E-07	5.59E-03	1.76E-06	5.13E-07	5.58E-03	1.76E-06	5.13E-07

363	489388.17, 3859871.48	5.76E-03	1.82E-06	5.29E-07	5.88E-03	1.85E-06	5.39E-07	5.87E-03	1.85E-06	5.39E-07
364	489438.17, 3859871.48	6.07E-03	1.92E-06	5.57E-07	6.20E-03	1.96E-06	5.69E-07	6.19E-03	1.95E-06	5.68E-07
365	489488.17, 3859871.48	6.39E-03	2.02E-06	5.86E-07	6.52E-03	2.06E-06	5.98E-07	6.51E-03	2.05E-06	5.98E-07
366	489538.17, 3859871.48	6.71E-03	2.12E-06	6.16E-07	6.84E-03	2.16E-06	6.28E-07	6.83E-03	2.16E-06	6.27E-07
367	489588.17, 3859871.48	7.05E-03	2.22E-06	6.47E-07	7.19E-03	2.27E-06	6.60E-07	7.18E-03	2.27E-06	6.59E-07
368	489238.17, 3859921.48	4.71E-03	1.49E-06	4.33E-07	4.81E-03	1.52E-06	4.42E-07	4.81E-03	1.52E-06	4.41E-07
369	489288.17, 3859921.48	4.94E-03	1.56E-06	4.53E-07	5.04E-03	1.59E-06	4.62E-07	5.03E-03	1.59E-06	4.62E-07
370	489338.17, 3859921.48	5.16E-03	1.63E-06	4.73E-07	5.26E-03	1.66E-06	4.83E-07	5.26E-03	1.66E-06	4.82E-07
371	489388.17, 3859921.48	5.40E-03	1.71E-06	4.96E-07	5.51E-03	1.74E-06	5.06E-07	5.51E-03	1.74E-06	5.05E-07
372	489438.17, 3859921.48	5.66E-03	1.79E-06	5.19E-07	5.77E-03	1.82E-06	5.30E-07	5.77E-03	1.82E-06	5.29E-07
373	489488.17, 3859921.48	5.91E-03	1.86E-06	5.42E-07	6.03E-03	1.90E-06	5.53E-07	6.02E-03	1.90E-06	5.53E-07
374	489538.17, 3859921.48	6.17E-03	1.95E-06	5.66E-07	6.30E-03	1.99E-06	5.78E-07	6.29E-03	1.98E-06	5.77E-07
375	489588.17, 3859921.48	6.43E-03	2.03E-06	5.90E-07	6.56E-03	2.07E-06	6.02E-07	6.55E-03	2.07E-06	6.01E-07
376	489238.17, 3859971.48	4.46E-03	1.41E-06	4.10E-07	4.56E-03	1.44E-06	4.18E-07	4.55E-03	1.44E-06	4.18E-07
377	489288.17, 3859971.48	4.65E-03	1.47E-06	4.27E-07	4.75E-03	1.50E-06	4.36E-07	4.74E-03	1.50E-06	4.35E-07
378	489338.17, 3859971.48	4.85E-03	1.53E-06	4.46E-07	4.95E-03	1.56E-06	4.55E-07	4.95E-03	1.56E-06	4.54E-07
379	489388.17, 3859971.48	5.07E-03	1.60E-06	4.65E-07	5.17E-03	1.63E-06	4.75E-07	5.16E-03	1.63E-06	4.74E-07
380	489438.17, 3859971.48	5.25E-03	1.66E-06	4.82E-07	5.36E-03	1.69E-06	4.92E-07	5.35E-03	1.69E-06	4.91E-07
381	489488.17, 3859971.48	5.31E-03	1.68E-06	4.88E-07	5.42E-03	1.71E-06	4.98E-07	5.42E-03	1.71E-06	4.97E-07
382	489538.17, 3859971.48	5.40E-03	1.70E-06	4.95E-07	5.51E-03	1.74E-06	5.05E-07	5.50E-03	1.74E-06	5.05E-07
383	489588.17, 3859971.48	5.47E-03	1.73E-06	5.02E-07	5.58E-03	1.76E-06	5.13E-07	5.58E-03	1.76E-06	5.12E-07
384	483577.7, 3854071	2.72E-03	8.58E-07	2.50E-07	2.77E-03	8.75E-07	2.55E-07	2.77E-03	8.74E-07	2.54E-07
385	483627.7, 3854071	2.71E-03	8.54E-07	2.48E-07	2.76E-03	8.71E-07	2.53E-07	2.76E-03	8.70E-07	2.53E-07
386	483677.7, 3854071	2.69E-03	8.48E-07	2.47E-07	2.74E-03	8.65E-07	2.52E-07	2.74E-03	8.64E-07	2.51E-07
387	483727.7, 3854071	2.67E-03	8.42E-07	2.45E-07	2.72E-03	8.59E-07	2.50E-07	2.72E-03	8.58E-07	2.50E-07
388	483777.7, 3854071	2.63E-03	8.29E-07	2.41E-07	2.68E-03	8.46E-07	2.46E-07	2.68E-03	8.45E-07	2.46E-07
389	483577.7, 3854121	2.57E-03	8.12E-07	2.36E-07	2.62E-03	8.28E-07	2.41E-07	2.62E-03	8.27E-07	2.41E-07
390	483627.7, 3854121	2.55E-03	8.05E-07	2.34E-07	2.60E-03	8.22E-07	2.39E-07	2.60E-03	8.21E-07	2.39E-07
391	483677.7, 3854121	2.52E-03	7.96E-07	2.32E-07	2.57E-03	8.12E-07	2.36E-07	2.57E-03	8.11E-07	2.36E-07
392	483727.7, 3854121	2.49E-03	7.85E-07	2.28E-07	2.54E-03	8.01E-07	2.33E-07	2.53E-03	8.00E-07	2.33E-07
393	483777.7, 3854121	2.46E-03	7.78E-07	2.26E-07	2.51E-03	7.94E-07	2.31E-07	2.51E-03	7.93E-07	2.31E-07
394	483577.7, 3854171	2.42E-03	7.63E-07	2.22E-07	2.47E-03	7.78E-07	2.26E-07	2.46E-03	7.77E-07	2.26E-07
395	483627.7, 3854171	2.38E-03	7.52E-07	2.19E-07	2.43E-03	7.68E-07	2.23E-07	2.43E-03	7.67E-07	2.23E-07
396	483677.7, 3854171	2.36E-03	7.44E-07	2.17E-07	2.41E-03	7.60E-07	2.21E-07	2.40E-03	7.59E-07	2.21E-07
397	483727.7, 3854171	2.34E-03	7.38E-07	2.15E-07	2.39E-03	7.53E-07	2.19E-07	2.38E-03	7.53E-07	2.19E-07
398	483777.7, 3854171	2.32E-03	7.31E-07	2.13E-07	2.36E-03	7.46E-07	2.17E-07	2.36E-03	7.45E-07	2.17E-07
399	483827.7, 3854171	2.27E-03	7.16E-07	2.08E-07	2.32E-03	7.31E-07	2.13E-07	2.31E-03	7.30E-07	2.12E-07
400	483877.7, 3854171	2.24E-03	7.08E-07	2.06E-07	2.29E-03	7.23E-07	2.10E-07	2.29E-03	7.22E-07	2.10E-07
401	483727.7, 3854221	2.21E-03	6.97E-07	2.03E-07	2.25E-03	7.12E-07	2.07E-07	2.25E-03	7.11E-07	2.07E-07
402	483777.7, 3854221	2.18E-03	6.89E-07	2.00E-07	2.23E-03	7.03E-07	2.05E-07	2.23E-03	7.02E-07	2.04E-07
403	483827.7, 3854221	2.18E-03	6.89E-07	2.00E-07	2.23E-03	7.03E-07	2.05E-07	2.23E-03	7.02E-07	2.04E-07
404	483877.7, 3854221	2.15E-03	6.78E-07	1.97E-07	2.19E-03	6.92E-07	2.01E-07	2.19E-03	6.91E-07	2.01E-07
405	489150.19, 3858726.45	5.68E-03	1.79E-06	5.21E-07	5.80E-03	1.83E-06	5.32E-07	5.79E-03	1.83E-06	5.31E-07
406	489200.19, 3858726.45	5.84E-03	1.84E-06	5.36E-07	5.96E-03	1.88E-06	5.47E-07	5.95E-03	1.88E-06	5.46E-07
407	489150.19, 3858776.45	7.97E-03	2.52E-06	7.32E-07	8.13E-03	2.57E-06	7.47E-07	8.12E-03	2.56E-06	7.46E-07
408	489200.19, 3858776.45	8.11E-03	2.56E-06	7.45E-07	8.28E-03	2.61E-06	7.60E-07	8.27E-03	2.61E-06	7.59E-07
409	488919.6, 3856400.76	9.14E-04	2.89E-07	8.39E-08	9.33E-04	2.94E-07	8.57E-08	9.32E-04	2.94E-07	8.56E-08
410	488919.6, 3856450.76	9.09E-04	2.87E-07	8.34E-08	9.27E-04	2.93E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
411	488969.6, 3856450.76	9.09E-04	2.87E-07	8.35E-08	9.28E-04	2.93E-07	8.52E-08	9.27E-04	2.92E-07	8.51E-08
412	488919.6, 3856500.76	9.04E-04	2.85E-07	8.30E-08	9.22E-04	2.91E-07	8.47E-08	9.21E-04	2.91E-07	8.46E-08
413	488969.6, 3856500.76	9.05E-04	2.86E-07	8.31E-08	9.23E-04	2.91E-07	8.48E-08	9.22E-04	2.91E-07	8.47E-08
414	488919.6, 3856550.76	9.00E-04	2.84E-07	8.27E-08	9.19E-04	2.90E-07	8.44E-08	9.18E-04	2.90E-07	8.43E-08
415	488969.6, 3856550.76	9.01E-04	2.84E-07	8.27E-08	9.19E-04	2.90E-07	8.44E-08	9.18E-04	2.90E-07	8.43E-08
416	488819.6, 3856600.76	8.95E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
417	488869.6, 3856600.76	8.95E-04	2.83E-07	8.22E-08	9.14E-04	2.88E-07	8.39E-08	9.13E-04	2.88E-07	8.38E-08
418	488919.6, 3856600.76	8.97E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
419	488819.6, 3856650.76	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
420	488869.6, 3856650.76	8.93E-04	2.82E-07	8.20E-08	9.11E-04	2.88E-07	8.36E-08	9.10E-04	2.87E-07	8.35E-08
421	488819.6, 3856700.76	8.91E-04	2.81E-07	8.18E-08	9.09E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
422	488869.6, 3856700.76	8.92E-04	2.81E-07	8.19E-08	9.10E-04	2.87E-07	8.35E-08	9.09E-04	2.87E-07	8.34E-08
423	488819.6, 3856750.76	8.90E-04	2.81E-07	8.17E-08	9.09E-04	2.87E-07	8.34E-08	9.08E-04	2.86E-07	8.33E-08

424	488869.6, 3856750.76	8.92E-04	2.81E-07	8.19E-08	9.10E-04	2.87E-07	8.35E-08	9.09E-04	2.87E-07	8.34E-08
425	488819.6, 3857050.76	9.21E-04	2.91E-07	8.45E-08	9.39E-04	2.96E-07	8.62E-08	9.38E-04	2.96E-07	8.61E-08
426	488869.6, 3857050.76	9.19E-04	2.90E-07	8.44E-08	9.38E-04	2.96E-07	8.61E-08	9.37E-04	2.96E-07	8.60E-08
427	488919.6, 3857050.76	9.17E-04	2.90E-07	8.42E-08	9.36E-04	2.95E-07	8.59E-08	9.35E-04	2.95E-07	8.58E-08
428	488819.6, 3857100.76	9.32E-04	2.94E-07	8.55E-08	9.51E-04	3.00E-07	8.73E-08	9.50E-04	3.00E-07	8.72E-08
429	488869.6, 3857100.76	9.29E-04	2.93E-07	8.53E-08	9.48E-04	2.99E-07	8.70E-08	9.47E-04	2.99E-07	8.69E-08
430	488919.6, 3857100.76	9.27E-04	2.93E-07	8.51E-08	9.46E-04	2.99E-07	8.69E-08	9.45E-04	2.98E-07	8.68E-08
431	488819.6, 3857150.76	9.45E-04	2.98E-07	8.67E-08	9.64E-04	3.04E-07	8.85E-08	9.63E-04	3.04E-07	8.84E-08
432	488869.6, 3857150.76	9.42E-04	2.97E-07	8.65E-08	9.61E-04	3.03E-07	8.82E-08	9.60E-04	3.03E-07	8.81E-08
433	488919.6, 3857150.76	9.39E-04	2.96E-07	8.62E-08	9.58E-04	3.02E-07	8.79E-08	9.57E-04	3.02E-07	8.78E-08
434	488969.6, 3857150.76	9.36E-04	2.95E-07	8.59E-08	9.55E-04	3.01E-07	8.77E-08	9.54E-04	3.01E-07	8.76E-08
435	488819.6, 3857200.76	9.60E-04	3.03E-07	8.81E-08	9.80E-04	3.09E-07	8.99E-08	9.78E-04	3.09E-07	8.98E-08
436	488869.6, 3857200.76	9.57E-04	3.02E-07	8.78E-08	9.76E-04	3.08E-07	8.96E-08	9.75E-04	3.08E-07	8.95E-08
437	488919.6, 3857200.76	9.53E-04	3.01E-07	8.75E-08	9.72E-04	3.07E-07	8.93E-08	9.71E-04	3.07E-07	8.92E-08
438	488969.6, 3857200.76	9.49E-04	2.99E-07	8.71E-08	9.68E-04	3.05E-07	8.89E-08	9.67E-04	3.05E-07	8.88E-08
439	488819.6, 3857250.76	9.76E-04	3.08E-07	8.96E-08	9.96E-04	3.14E-07	9.15E-08	9.95E-04	3.14E-07	9.13E-08
440	488869.6, 3857250.76	9.72E-04	3.07E-07	8.93E-08	9.92E-04	3.13E-07	9.11E-08	9.91E-04	3.13E-07	9.10E-08
441	488919.6, 3857250.76	9.68E-04	3.06E-07	8.89E-08	9.88E-04	3.12E-07	9.07E-08	9.87E-04	3.11E-07	9.06E-08
442	488969.6, 3857250.76	9.64E-04	3.04E-07	8.85E-08	9.84E-04	3.10E-07	9.03E-08	9.82E-04	3.10E-07	9.02E-08
443	488819.6, 3857300.76	9.95E-04	3.14E-07	9.14E-08	1.02E-03	3.21E-07	9.32E-08	1.01E-03	3.20E-07	9.31E-08
444	488869.6, 3857300.76	9.91E-04	3.13E-07	9.10E-08	1.01E-03	3.19E-07	9.28E-08	1.01E-03	3.19E-07	9.27E-08
445	488919.6, 3857300.76	9.87E-04	3.11E-07	9.06E-08	1.01E-03	3.18E-07	9.24E-08	1.01E-03	3.17E-07	9.23E-08
446	488819.6, 3857450.76	1.06E-03	3.35E-07	9.74E-08	1.08E-03	3.42E-07	9.94E-08	1.08E-03	3.41E-07	9.93E-08
447	488869.6, 3857450.76	1.06E-03	3.34E-07	9.70E-08	1.08E-03	3.40E-07	9.90E-08	1.08E-03	3.40E-07	9.89E-08
448	488919.6, 3857450.76	1.05E-03	3.33E-07	9.67E-08	1.08E-03	3.39E-07	9.87E-08	1.07E-03	3.39E-07	9.86E-08
449	488819.6, 3857500.76	1.09E-03	3.43E-07	9.97E-08	1.11E-03	3.50E-07	1.02E-07	1.11E-03	3.49E-07	1.02E-07
450	488869.6, 3857500.76	1.08E-03	3.42E-07	9.94E-08	1.11E-03	3.49E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
451	488919.6, 3857500.76	1.08E-03	3.41E-07	9.91E-08	1.10E-03	3.48E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
452	488819.6, 3857550.76	1.11E-03	3.51E-07	1.02E-07	1.14E-03	3.58E-07	1.04E-07	1.13E-03	3.58E-07	1.04E-07
453	488869.6, 3857550.76	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.58E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
454	488919.6, 3857550.76	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.56E-07	1.04E-07
455	489663.71, 3860900.05	2.20E-03	6.96E-07	2.02E-07	2.25E-03	7.10E-07	2.06E-07	2.25E-03	7.09E-07	2.06E-07
456	489813.71, 3860900.05	2.32E-03	7.32E-07	2.13E-07	2.37E-03	7.47E-07	2.17E-07	2.37E-03	7.47E-07	2.17E-07
457	489863.71, 3860900.05	2.35E-03	7.43E-07	2.16E-07	2.40E-03	7.58E-07	2.21E-07	2.40E-03	7.57E-07	2.20E-07
458	489913.71, 3860900.05	2.40E-03	7.59E-07	2.21E-07	2.45E-03	7.74E-07	2.25E-07	2.45E-03	7.74E-07	2.25E-07
459	489963.71, 3860900.05	2.44E-03	7.71E-07	2.24E-07	2.49E-03	7.86E-07	2.29E-07	2.49E-03	7.85E-07	2.28E-07
460	490013.71, 3860900.05	2.50E-03	7.88E-07	2.29E-07	2.55E-03	8.04E-07	2.34E-07	2.54E-03	8.03E-07	2.34E-07
461	490063.71, 3860900.05	2.55E-03	8.03E-07	2.34E-07	2.60E-03	8.20E-07	2.38E-07	2.59E-03	8.19E-07	2.38E-07
462	489663.71, 3860950.05	2.12E-03	6.70E-07	1.95E-07	2.17E-03	6.84E-07	1.99E-07	2.16E-03	6.83E-07	1.99E-07
463	489813.71, 3860950.05	2.23E-03	7.04E-07	2.05E-07	2.27E-03	7.18E-07	2.09E-07	2.27E-03	7.17E-07	2.09E-07
464	489863.71, 3860950.05	2.26E-03	7.13E-07	2.07E-07	2.30E-03	7.27E-07	2.12E-07	2.30E-03	7.26E-07	2.11E-07
465	489913.71, 3860950.05	2.30E-03	7.26E-07	2.11E-07	2.35E-03	7.41E-07	2.16E-07	2.34E-03	7.40E-07	2.15E-07
466	489963.71, 3860950.05	2.34E-03	7.37E-07	2.15E-07	2.38E-03	7.53E-07	2.19E-07	2.38E-03	7.52E-07	2.19E-07
467	490013.71, 3860950.05	2.38E-03	7.51E-07	2.18E-07	2.43E-03	7.67E-07	2.23E-07	2.43E-03	7.66E-07	2.23E-07
468	490063.71, 3860950.05	2.43E-03	7.66E-07	2.23E-07	2.48E-03	7.81E-07	2.27E-07	2.47E-03	7.80E-07	2.27E-07
469	489513.71, 3861000.05	1.96E-03	6.19E-07	1.80E-07	2.00E-03	6.31E-07	1.84E-07	2.00E-03	6.30E-07	1.83E-07
470	489563.71, 3861000.05	1.99E-03	6.27E-07	1.82E-07	2.03E-03	6.40E-07	1.86E-07	2.02E-03	6.39E-07	1.86E-07
471	489613.71, 3861000.05	2.02E-03	6.37E-07	1.85E-07	2.06E-03	6.50E-07	1.89E-07	2.06E-03	6.49E-07	1.89E-07
472	489663.71, 3861000.05	2.05E-03	6.47E-07	1.88E-07	2.09E-03	6.60E-07	1.92E-07	2.09E-03	6.59E-07	1.92E-07
473	489713.71, 3861000.05	2.08E-03	6.55E-07	1.91E-07	2.12E-03	6.69E-07	1.94E-07	2.12E-03	6.68E-07	1.94E-07
474	489763.71, 3861000.05	2.11E-03	6.65E-07	1.93E-07	2.15E-03	6.78E-07	1.97E-07	2.15E-03	6.78E-07	1.97E-07
475	489813.71, 3861000.05	2.15E-03	6.77E-07	1.97E-07	2.19E-03	6.91E-07	2.01E-07	2.19E-03	6.90E-07	2.01E-07
476	489863.71, 3861000.05	2.17E-03	6.85E-07	1.99E-07	2.22E-03	6.99E-07	2.03E-07	2.21E-03	6.98E-07	2.03E-07
477	489913.71, 3861000.05	2.21E-03	6.97E-07	2.03E-07	2.25E-03	7.12E-07	2.07E-07	2.25E-03	7.11E-07	2.07E-07
478	489963.71, 3861000.05	2.24E-03	7.07E-07	2.06E-07	2.28E-03	7.21E-07	2.10E-07	2.28E-03	7.20E-07	2.09E-07
479	490013.71, 3861000.05	2.28E-03	7.19E-07	2.09E-07	2.32E-03	7.33E-07	2.13E-07	2.32E-03	7.33E-07	2.13E-07
480	490063.71, 3861000.05	2.32E-03	7.31E-07	2.13E-07	2.36E-03	7.46E-07	2.17E-07	2.36E-03	7.45E-07	2.17E-07
481	489513.71, 3861050.05	1.90E-03	5.99E-07	1.74E-07	1.94E-03	6.12E-07	1.78E-07	1.94E-03	6.11E-07	1.78E-07
482	489563.71, 3861050.05	1.92E-03	6.07E-07	1.77E-07	1.96E-03	6.19E-07	1.80E-07	1.96E-03	6.19E-07	1.80E-07
483	489613.71, 3861050.05	1.96E-03	6.18E-07	1.80E-07	2.00E-03	6.30E-07	1.83E-07	1.99E-03	6.29E-07	1.83E-07
484	489663.71, 3861050.05	1.98E-03	6.24E-07	1.82E-07	2.02E-03	6.37E-07	1.85E-07	2.02E-03	6.36E-07	1.85E-07

485	489713.71, 3861050.05	2.00E-03	6.32E-07	1.84E-07	2.04E-03	6.45E-07	1.88E-07	2.04E-03	6.44E-07	1.87E-07
486	489763.71, 3861050.05	2.03E-03	6.41E-07	1.86E-07	2.07E-03	6.54E-07	1.90E-07	2.07E-03	6.53E-07	1.90E-07
487	489813.71, 3861050.05	2.06E-03	6.51E-07	1.89E-07	2.10E-03	6.64E-07	1.93E-07	2.10E-03	6.63E-07	1.93E-07
488	489863.71, 3861050.05	2.09E-03	6.59E-07	1.92E-07	2.13E-03	6.73E-07	1.96E-07	2.13E-03	6.72E-07	1.96E-07
489	489913.71, 3861050.05	2.12E-03	6.69E-07	1.95E-07	2.16E-03	6.83E-07	1.99E-07	2.16E-03	6.82E-07	1.98E-07
490	489963.71, 3861050.05	2.15E-03	6.78E-07	1.97E-07	2.19E-03	6.92E-07	2.01E-07	2.19E-03	6.91E-07	2.01E-07
491	490013.71, 3861050.05	2.19E-03	6.90E-07	2.01E-07	2.23E-03	7.04E-07	2.05E-07	2.23E-03	7.03E-07	2.05E-07
492	490063.71, 3861050.05	2.22E-03	7.00E-07	2.04E-07	2.26E-03	7.14E-07	2.08E-07	2.26E-03	7.14E-07	2.08E-07
493	489513.71, 3861100.05	1.85E-03	5.83E-07	1.70E-07	1.88E-03	5.95E-07	1.73E-07	1.88E-03	5.94E-07	1.73E-07
494	489563.71, 3861100.05	1.86E-03	5.88E-07	1.71E-07	1.90E-03	6.00E-07	1.74E-07	1.90E-03	5.99E-07	1.74E-07
495	489613.71, 3861100.05	1.88E-03	5.92E-07	1.72E-07	1.91E-03	6.04E-07	1.76E-07	1.91E-03	6.04E-07	1.76E-07
496	489663.71, 3861100.05	1.90E-03	6.00E-07	1.75E-07	1.94E-03	6.13E-07	1.78E-07	1.94E-03	6.12E-07	1.78E-07
497	489713.71, 3861100.05	1.93E-03	6.09E-07	1.77E-07	1.97E-03	6.21E-07	1.81E-07	1.97E-03	6.20E-07	1.80E-07
498	489763.71, 3861100.05	1.95E-03	6.17E-07	1.79E-07	1.99E-03	6.29E-07	1.83E-07	1.99E-03	6.29E-07	1.83E-07
499	489813.71, 3861100.05	1.98E-03	6.26E-07	1.82E-07	2.02E-03	6.39E-07	1.86E-07	2.02E-03	6.38E-07	1.86E-07
500	489863.71, 3861100.05	2.02E-03	6.36E-07	1.85E-07	2.06E-03	6.49E-07	1.89E-07	2.05E-03	6.48E-07	1.89E-07
501	489913.71, 3861100.05	2.04E-03	6.43E-07	1.87E-07	2.08E-03	6.56E-07	1.91E-07	2.08E-03	6.55E-07	1.91E-07
502	489963.71, 3861100.05	2.06E-03	6.51E-07	1.89E-07	2.11E-03	6.65E-07	1.93E-07	2.10E-03	6.64E-07	1.93E-07
503	490013.71, 3861100.05	2.09E-03	6.59E-07	1.92E-07	2.13E-03	6.73E-07	1.96E-07	2.13E-03	6.72E-07	1.95E-07
504	490063.71, 3861100.05	2.12E-03	6.69E-07	1.94E-07	2.16E-03	6.82E-07	1.98E-07	2.16E-03	6.82E-07	1.98E-07
505	489713.71, 3861150.05	1.86E-03	5.87E-07	1.71E-07	1.90E-03	5.99E-07	1.74E-07	1.89E-03	5.98E-07	1.74E-07
506	489763.71, 3861150.05	1.88E-03	5.95E-07	1.73E-07	1.92E-03	6.07E-07	1.76E-07	1.92E-03	6.06E-07	1.76E-07
507	489813.71, 3861150.05	1.91E-03	6.03E-07	1.75E-07	1.95E-03	6.15E-07	1.79E-07	1.95E-03	6.15E-07	1.79E-07
508	489863.71, 3861150.05	1.93E-03	6.10E-07	1.78E-07	1.97E-03	6.23E-07	1.81E-07	1.97E-03	6.22E-07	1.81E-07
509	489913.71, 3861150.05	1.96E-03	6.18E-07	1.80E-07	2.00E-03	6.30E-07	1.83E-07	1.99E-03	6.29E-07	1.83E-07
510	489963.71, 3861150.05	1.98E-03	6.24E-07	1.82E-07	2.02E-03	6.37E-07	1.85E-07	2.02E-03	6.36E-07	1.85E-07
511	490013.71, 3861150.05	2.00E-03	6.31E-07	1.84E-07	2.04E-03	6.44E-07	1.87E-07	2.04E-03	6.44E-07	1.87E-07
512	490063.71, 3861150.05	2.03E-03	6.40E-07	1.86E-07	2.07E-03	6.53E-07	1.90E-07	2.07E-03	6.53E-07	1.90E-07
513	489613.71, 3861200.05	1.75E-03	5.52E-07	1.60E-07	1.78E-03	5.63E-07	1.64E-07	1.78E-03	5.62E-07	1.64E-07
514	489663.71, 3861200.05	1.77E-03	5.59E-07	1.63E-07	1.81E-03	5.70E-07	1.66E-07	1.80E-03	5.70E-07	1.66E-07
515	489713.71, 3861200.05	1.79E-03	5.66E-07	1.65E-07	1.83E-03	5.78E-07	1.68E-07	1.83E-03	5.77E-07	1.68E-07
516	489763.71, 3861200.05	1.82E-03	5.73E-07	1.67E-07	1.85E-03	5.85E-07	1.70E-07	1.85E-03	5.84E-07	1.70E-07
517	489813.71, 3861200.05	1.84E-03	5.81E-07	1.69E-07	1.88E-03	5.93E-07	1.72E-07	1.88E-03	5.92E-07	1.72E-07
518	489863.71, 3861200.05	1.87E-03	5.89E-07	1.71E-07	1.90E-03	6.01E-07	1.75E-07	1.90E-03	6.00E-07	1.75E-07
519	489913.71, 3861200.05	1.88E-03	5.95E-07	1.73E-07	1.92E-03	6.07E-07	1.77E-07	1.92E-03	6.06E-07	1.76E-07
520	489963.71, 3861200.05	1.90E-03	6.00E-07	1.75E-07	1.94E-03	6.13E-07	1.78E-07	1.94E-03	6.12E-07	1.78E-07
521	490013.71, 3861200.05	1.92E-03	6.07E-07	1.77E-07	1.96E-03	6.20E-07	1.80E-07	1.96E-03	6.19E-07	1.80E-07
522	490063.71, 3861200.05	1.94E-03	6.14E-07	1.79E-07	1.98E-03	6.26E-07	1.82E-07	1.98E-03	6.26E-07	1.82E-07
523	489513.71, 3861250.05	1.65E-03	5.20E-07	1.51E-07	1.68E-03	5.30E-07	1.54E-07	1.68E-03	5.30E-07	1.54E-07
524	489563.71, 3861250.05	1.67E-03	5.27E-07	1.53E-07	1.70E-03	5.38E-07	1.56E-07	1.70E-03	5.37E-07	1.56E-07
525	489613.71, 3861250.05	1.69E-03	5.34E-07	1.55E-07	1.73E-03	5.45E-07	1.59E-07	1.72E-03	5.44E-07	1.58E-07
526	489663.71, 3861250.05	1.71E-03	5.40E-07	1.57E-07	1.75E-03	5.51E-07	1.60E-07	1.74E-03	5.51E-07	1.60E-07
527	489713.71, 3861250.05	1.73E-03	5.47E-07	1.59E-07	1.77E-03	5.58E-07	1.62E-07	1.77E-03	5.57E-07	1.62E-07
528	489763.71, 3861250.05	1.75E-03	5.53E-07	1.61E-07	1.79E-03	5.65E-07	1.64E-07	1.79E-03	5.64E-07	1.64E-07
529	489813.71, 3861250.05	1.77E-03	5.60E-07	1.63E-07	1.81E-03	5.71E-07	1.66E-07	1.81E-03	5.71E-07	1.66E-07
530	489863.71, 3861250.05	1.79E-03	5.66E-07	1.65E-07	1.83E-03	5.78E-07	1.68E-07	1.83E-03	5.77E-07	1.68E-07
531	489913.71, 3861250.05	1.82E-03	5.73E-07	1.67E-07	1.85E-03	5.85E-07	1.70E-07	1.85E-03	5.84E-07	1.70E-07
532	489963.71, 3861250.05	1.83E-03	5.79E-07	1.68E-07	1.87E-03	5.91E-07	1.72E-07	1.87E-03	5.90E-07	1.72E-07
533	490013.71, 3861250.05	1.85E-03	5.85E-07	1.70E-07	1.89E-03	5.96E-07	1.73E-07	1.89E-03	5.96E-07	1.73E-07
534	490063.71, 3861250.05	1.87E-03	5.89E-07	1.71E-07	1.90E-03	6.01E-07	1.75E-07	1.90E-03	6.00E-07	1.75E-07
535	489528.13, 3861308.47	1.59E-03	5.02E-07	1.46E-07	1.62E-03	5.12E-07	1.49E-07	1.62E-03	5.12E-07	1.49E-07
536	489578.13, 3861308.47	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.19E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
537	489628.13, 3861308.47	1.63E-03	5.14E-07	1.50E-07	1.66E-03	5.25E-07	1.53E-07	1.66E-03	5.24E-07	1.52E-07
538	489678.13, 3861308.47	1.65E-03	5.21E-07	1.51E-07	1.68E-03	5.31E-07	1.55E-07	1.68E-03	5.31E-07	1.54E-07
539	489728.13, 3861308.47	1.67E-03	5.27E-07	1.53E-07	1.70E-03	5.37E-07	1.56E-07	1.70E-03	5.37E-07	1.56E-07
540	489778.13, 3861308.47	1.69E-03	5.32E-07	1.55E-07	1.72E-03	5.43E-07	1.58E-07	1.72E-03	5.42E-07	1.58E-07
541	489678.13, 3861358.47	1.59E-03	5.03E-07	1.46E-07	1.63E-03	5.13E-07	1.49E-07	1.62E-03	5.13E-07	1.49E-07
542	489728.13, 3861358.47	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.19E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
543	489528.13, 3861408.47	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.80E-07	1.40E-07	1.52E-03	4.79E-07	1.39E-07
544	489578.13, 3861408.47	1.51E-03	4.75E-07	1.38E-07	1.54E-03	4.85E-07	1.41E-07	1.54E-03	4.85E-07	1.41E-07
545	489628.13, 3861408.47	1.53E-03	4.82E-07	1.40E-07	1.56E-03	4.92E-07	1.43E-07	1.56E-03	4.91E-07	1.43E-07

546	489678.13, 3861408.47	1.54E-03	4.86E-07	1.41E-07	1.57E-03	4.96E-07	1.44E-07	1.57E-03	4.96E-07	1.44E-07
547	489728.13, 3861408.47	1.55E-03	4.91E-07	1.43E-07	1.59E-03	5.01E-07	1.46E-07	1.58E-03	5.00E-07	1.45E-07
548	489528.13, 3861458.47	1.44E-03	4.56E-07	1.33E-07	1.47E-03	4.65E-07	1.35E-07	1.47E-03	4.65E-07	1.35E-07
549	489578.13, 3861458.47	1.46E-03	4.61E-07	1.34E-07	1.49E-03	4.70E-07	1.37E-07	1.49E-03	4.70E-07	1.37E-07
550	489628.13, 3861458.47	1.48E-03	4.66E-07	1.35E-07	1.51E-03	4.75E-07	1.38E-07	1.50E-03	4.75E-07	1.38E-07
551	489678.13, 3861458.47	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.79E-07	1.39E-07	1.52E-03	4.79E-07	1.39E-07
552	489728.13, 3861458.47	1.50E-03	4.73E-07	1.38E-07	1.53E-03	4.83E-07	1.40E-07	1.53E-03	4.82E-07	1.40E-07
553	489528.13, 3861508.47	1.40E-03	4.42E-07	1.29E-07	1.43E-03	4.51E-07	1.31E-07	1.43E-03	4.50E-07	1.31E-07
554	489578.13, 3861508.47	1.41E-03	4.46E-07	1.30E-07	1.44E-03	4.55E-07	1.32E-07	1.44E-03	4.55E-07	1.32E-07
555	489628.13, 3861508.47	1.43E-03	4.50E-07	1.31E-07	1.45E-03	4.59E-07	1.34E-07	1.45E-03	4.59E-07	1.33E-07
556	489678.13, 3861508.47	1.44E-03	4.54E-07	1.32E-07	1.47E-03	4.63E-07	1.35E-07	1.46E-03	4.62E-07	1.34E-07
557	489728.13, 3861508.47	1.45E-03	4.57E-07	1.33E-07	1.48E-03	4.66E-07	1.36E-07	1.48E-03	4.66E-07	1.35E-07
558	489628.13, 3861558.47	1.38E-03	4.36E-07	1.27E-07	1.41E-03	4.45E-07	1.29E-07	1.41E-03	4.45E-07	1.29E-07
559	489678.13, 3861558.47	1.40E-03	4.40E-07	1.28E-07	1.42E-03	4.49E-07	1.31E-07	1.42E-03	4.49E-07	1.31E-07
560	489728.13, 3861558.47	1.41E-03	4.44E-07	1.29E-07	1.43E-03	4.53E-07	1.32E-07	1.43E-03	4.52E-07	1.32E-07
561	489357.08, 3861015.81	1.86E-03	5.86E-07	1.70E-07	1.89E-03	5.97E-07	1.74E-07	1.89E-03	5.97E-07	1.74E-07
562	489407.08, 3861015.81	1.88E-03	5.93E-07	1.72E-07	1.92E-03	6.05E-07	1.76E-07	1.91E-03	6.04E-07	1.76E-07
563	489457.08, 3861015.81	1.90E-03	6.01E-07	1.75E-07	1.94E-03	6.13E-07	1.78E-07	1.94E-03	6.12E-07	1.78E-07
564	489357.08, 3861065.81	1.80E-03	5.68E-07	1.65E-07	1.84E-03	5.79E-07	1.69E-07	1.83E-03	5.79E-07	1.68E-07
565	489407.08, 3861065.81	1.82E-03	5.74E-07	1.67E-07	1.86E-03	5.86E-07	1.70E-07	1.85E-03	5.85E-07	1.70E-07
566	489457.08, 3861065.81	1.84E-03	5.82E-07	1.69E-07	1.88E-03	5.94E-07	1.73E-07	1.88E-03	5.93E-07	1.73E-07
567	489357.08, 3861115.81	1.74E-03	5.50E-07	1.60E-07	1.78E-03	5.61E-07	1.63E-07	1.78E-03	5.61E-07	1.63E-07
568	489407.08, 3861115.81	1.77E-03	5.58E-07	1.62E-07	1.80E-03	5.69E-07	1.66E-07	1.80E-03	5.68E-07	1.65E-07
569	489457.08, 3861115.81	1.79E-03	5.65E-07	1.64E-07	1.83E-03	5.77E-07	1.68E-07	1.83E-03	5.76E-07	1.68E-07
570	489407.08, 3861165.81	1.72E-03	5.42E-07	1.58E-07	1.75E-03	5.53E-07	1.61E-07	1.75E-03	5.52E-07	1.61E-07
571	489457.08, 3861165.81	1.73E-03	5.48E-07	1.59E-07	1.77E-03	5.59E-07	1.63E-07	1.77E-03	5.58E-07	1.62E-07
572	489407.08, 3861215.81	1.65E-03	5.21E-07	1.52E-07	1.68E-03	5.32E-07	1.55E-07	1.68E-03	5.31E-07	1.54E-07
573	489457.08, 3861215.81	1.67E-03	5.27E-07	1.53E-07	1.70E-03	5.38E-07	1.56E-07	1.70E-03	5.37E-07	1.56E-07
574	489407.08, 3861265.81	1.59E-03	5.01E-07	1.46E-07	1.62E-03	5.11E-07	1.49E-07	1.62E-03	5.11E-07	1.49E-07
575	489457.08, 3861265.81	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.18E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
576	489309.86, 3861110.14	1.73E-03	5.45E-07	1.58E-07	1.76E-03	5.56E-07	1.62E-07	1.76E-03	5.55E-07	1.61E-07
577	489407.08, 3861315.81	1.54E-03	4.86E-07	1.41E-07	1.57E-03	4.96E-07	1.44E-07	1.57E-03	4.95E-07	1.44E-07
578	489457.08, 3861315.81	1.56E-03	4.92E-07	1.43E-07	1.59E-03	5.02E-07	1.46E-07	1.59E-03	5.01E-07	1.46E-07
579	488906.03, 3861006.75	1.66E-03	5.25E-07	1.53E-07	1.70E-03	5.36E-07	1.56E-07	1.70E-03	5.35E-07	1.56E-07
580	488956.03, 3861006.75	1.69E-03	5.35E-07	1.56E-07	1.73E-03	5.46E-07	1.59E-07	1.73E-03	5.45E-07	1.59E-07
581	488904.24, 3861051.87	1.65E-03	5.20E-07	1.51E-07	1.68E-03	5.30E-07	1.54E-07	1.68E-03	5.30E-07	1.54E-07
582	488954.24, 3861051.87	1.66E-03	5.24E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.34E-07	1.55E-07
583	489004.24, 3861051.87	1.69E-03	5.34E-07	1.55E-07	1.73E-03	5.45E-07	1.58E-07	1.72E-03	5.44E-07	1.58E-07
584	488804.24, 3861101.87	1.54E-03	4.87E-07	1.42E-07	1.58E-03	4.97E-07	1.45E-07	1.57E-03	4.97E-07	1.44E-07
585	488854.24, 3861101.87	1.57E-03	4.96E-07	1.44E-07	1.60E-03	5.06E-07	1.47E-07	1.60E-03	5.05E-07	1.47E-07
586	488904.24, 3861101.87	1.57E-03	4.96E-07	1.44E-07	1.60E-03	5.06E-07	1.47E-07	1.60E-03	5.06E-07	1.47E-07
587	488954.24, 3861101.87	1.59E-03	5.01E-07	1.46E-07	1.62E-03	5.11E-07	1.49E-07	1.62E-03	5.10E-07	1.48E-07
588	489004.24, 3861101.87	1.61E-03	5.07E-07	1.48E-07	1.64E-03	5.18E-07	1.51E-07	1.64E-03	5.17E-07	1.50E-07
589	488804.24, 3861151.87	1.48E-03	4.66E-07	1.35E-07	1.51E-03	4.75E-07	1.38E-07	1.50E-03	4.75E-07	1.38E-07
590	488854.24, 3861151.87	1.49E-03	4.71E-07	1.37E-07	1.52E-03	4.80E-07	1.40E-07	1.52E-03	4.80E-07	1.40E-07
591	489129.49, 3861187.55	1.56E-03	4.93E-07	1.44E-07	1.60E-03	5.04E-07	1.46E-07	1.59E-03	5.03E-07	1.46E-07
592	489179.49, 3861187.55	1.58E-03	4.99E-07	1.45E-07	1.61E-03	5.09E-07	1.48E-07	1.61E-03	5.09E-07	1.48E-07
593	488804.24, 3861201.87	1.44E-03	4.54E-07	1.32E-07	1.47E-03	4.63E-07	1.35E-07	1.47E-03	4.63E-07	1.35E-07
594	488854.24, 3861201.87	1.45E-03	4.57E-07	1.33E-07	1.48E-03	4.66E-07	1.36E-07	1.48E-03	4.66E-07	1.35E-07
595	489129.49, 3861237.55	1.53E-03	4.81E-07	1.40E-07	1.56E-03	4.91E-07	1.43E-07	1.55E-03	4.91E-07	1.43E-07
596	489179.49, 3861237.55	1.54E-03	4.85E-07	1.41E-07	1.57E-03	4.95E-07	1.44E-07	1.57E-03	4.94E-07	1.44E-07
597	488804.24, 3861251.87	1.40E-03	4.43E-07	1.29E-07	1.43E-03	4.52E-07	1.32E-07	1.43E-03	4.52E-07	1.31E-07
598	488854.24, 3861251.87	1.41E-03	4.45E-07	1.30E-07	1.44E-03	4.55E-07	1.32E-07	1.44E-03	4.54E-07	1.32E-07
599	488804.24, 3861301.87	1.37E-03	4.31E-07	1.25E-07	1.39E-03	4.40E-07	1.28E-07	1.39E-03	4.39E-07	1.28E-07
600	488854.24, 3861301.87	1.38E-03	4.34E-07	1.26E-07	1.40E-03	4.43E-07	1.29E-07	1.40E-03	4.43E-07	1.29E-07
601	490943.5, 3860181.97	1.44E-02	4.54E-06	1.32E-06	1.47E-02	4.64E-06	1.35E-06	1.47E-02	4.63E-06	1.35E-06
602	490993.5, 3860181.97	1.58E-02	4.98E-06	1.45E-06	1.61E-02	5.08E-06	1.48E-06	1.61E-02	5.08E-06	1.48E-06
603	491043.5, 3860181.97	1.76E-02	5.54E-06	1.61E-06	1.79E-02	5.65E-06	1.64E-06	1.79E-02	5.65E-06	1.64E-06
604	491093.5, 3860181.97	1.97E-02	6.23E-06	1.81E-06	2.01E-02	6.36E-06	1.85E-06	2.01E-02	6.35E-06	1.85E-06
605	490943.5, 3860231.97	1.25E-02	3.94E-06	1.15E-06	1.27E-02	4.02E-06	1.17E-06	1.27E-02	4.01E-06	1.17E-06
606	490993.5, 3860231.97	1.37E-02	4.32E-06	1.26E-06	1.40E-02	4.41E-06	1.28E-06	1.40E-02	4.41E-06	1.28E-06

607	491043.5, 3860231.97	1.49E-02	4.70E-06	1.37E-06	1.52E-02	4.80E-06	1.40E-06	1.52E-02	4.79E-06	1.39E-06
608	491093.5, 3860231.97	1.64E-02	5.17E-06	1.50E-06	1.67E-02	5.27E-06	1.53E-06	1.67E-02	5.27E-06	1.53E-06
609	490943.5, 3860281.97	1.10E-02	3.46E-06	1.01E-06	1.12E-02	3.54E-06	1.03E-06	1.12E-02	3.53E-06	1.03E-06
610	490993.5, 3860281.97	1.19E-02	3.76E-06	1.09E-06	1.21E-02	3.83E-06	1.12E-06	1.21E-02	3.83E-06	1.11E-06
611	491043.5, 3860281.97	1.29E-02	4.06E-06	1.18E-06	1.31E-02	4.14E-06	1.20E-06	1.31E-02	4.14E-06	1.20E-06
612	491093.5, 3860281.97	1.40E-02	4.41E-06	1.28E-06	1.43E-02	4.50E-06	1.31E-06	1.42E-02	4.50E-06	1.31E-06
613	490943.5, 3860331.97	9.74E-03	3.07E-06	8.94E-07	9.94E-03	3.14E-06	9.12E-07	9.92E-03	3.13E-06	9.11E-07
614	490993.5, 3860331.97	1.04E-02	3.27E-06	9.51E-07	1.06E-02	3.34E-06	9.70E-07	1.06E-02	3.33E-06	9.69E-07
615	491043.5, 3860331.97	1.11E-02	3.50E-06	1.02E-06	1.13E-02	3.57E-06	1.04E-06	1.13E-02	3.57E-06	1.04E-06
616	491093.5, 3860331.97	1.20E-02	3.78E-06	1.10E-06	1.22E-02	3.86E-06	1.12E-06	1.22E-02	3.85E-06	1.12E-06
617	490086.72, 3859935.12	1.04E-02	3.27E-06	9.51E-07	1.06E-02	3.34E-06	9.71E-07	1.06E-02	3.33E-06	9.70E-07
618	490136.72, 3859935.12	1.09E-02	3.46E-06	1.01E-06	1.12E-02	3.53E-06	1.03E-06	1.12E-02	3.52E-06	1.02E-06
619	490186.72, 3859935.12	1.16E-02	3.66E-06	1.06E-06	1.18E-02	3.74E-06	1.09E-06	1.18E-02	3.73E-06	1.09E-06
620	490236.72, 3859935.12	1.23E-02	3.89E-06	1.13E-06	1.26E-02	3.97E-06	1.15E-06	1.25E-02	3.96E-06	1.15E-06
621	490286.72, 3859935.12	1.31E-02	4.12E-06	1.20E-06	1.33E-02	4.21E-06	1.22E-06	1.33E-02	4.20E-06	1.22E-06
622	490336.72, 3859935.12	1.39E-02	4.38E-06	1.27E-06	1.42E-02	4.47E-06	1.30E-06	1.41E-02	4.46E-06	1.30E-06
623	490386.72, 3859935.12	1.48E-02	4.69E-06	1.36E-06	1.52E-02	4.78E-06	1.39E-06	1.51E-02	4.78E-06	1.39E-06
624	490436.72, 3859935.12	1.59E-02	5.03E-06	1.46E-06	1.63E-02	5.13E-06	1.49E-06	1.62E-02	5.12E-06	1.49E-06
625	490486.72, 3859935.12	1.72E-02	5.44E-06	1.58E-06	1.76E-02	5.55E-06	1.61E-06	1.76E-02	5.54E-06	1.61E-06
626	490536.72, 3859935.12	1.91E-02	6.04E-06	1.76E-06	1.95E-02	6.16E-06	1.79E-06	1.95E-02	6.15E-06	1.79E-06
627	490586.72, 3859935.12	2.16E-02	6.80E-06	1.98E-06	2.20E-02	6.94E-06	2.02E-06	2.20E-02	6.93E-06	2.02E-06
628	490636.72, 3859935.12	2.42E-02	7.63E-06	2.22E-06	2.47E-02	7.78E-06	2.26E-06	2.46E-02	7.77E-06	2.26E-06
629	490686.72, 3859935.12	2.83E-02	8.94E-06	2.60E-06	2.89E-02	9.12E-06	2.65E-06	2.89E-02	9.11E-06	2.65E-06
630	490736.72, 3859935.12	3.33E-02	1.05E-05	3.05E-06	3.39E-02	1.07E-05	3.12E-06	3.39E-02	1.07E-05	3.11E-06
631	490086.72, 3859985.12	9.19E-03	2.90E-06	8.44E-07	9.38E-03	2.96E-06	8.61E-07	9.37E-03	2.96E-06	8.60E-07
632	490136.72, 3859985.12	9.64E-03	3.04E-06	8.85E-07	9.84E-03	3.11E-06	9.03E-07	9.83E-03	3.10E-06	9.02E-07
633	490186.72, 3859985.12	1.02E-02	3.21E-06	9.34E-07	1.04E-02	3.27E-06	9.53E-07	1.04E-02	3.27E-06	9.51E-07
634	490236.72, 3859985.12	1.08E-02	3.40E-06	9.88E-07	1.10E-02	3.47E-06	1.01E-06	1.10E-02	3.46E-06	1.01E-06
635	490286.72, 3859985.12	1.13E-02	3.58E-06	1.04E-06	1.16E-02	3.65E-06	1.06E-06	1.16E-02	3.65E-06	1.06E-06
636	490336.72, 3859985.12	1.20E-02	3.78E-06	1.10E-06	1.22E-02	3.85E-06	1.12E-06	1.22E-02	3.85E-06	1.12E-06
637	490386.72, 3859985.12	1.26E-02	3.97E-06	1.15E-06	1.28E-02	4.05E-06	1.18E-06	1.28E-02	4.04E-06	1.18E-06
638	490436.72, 3859985.12	1.33E-02	4.20E-06	1.22E-06	1.36E-02	4.29E-06	1.25E-06	1.36E-02	4.28E-06	1.25E-06
639	490486.72, 3859985.12	1.42E-02	4.48E-06	1.30E-06	1.45E-02	4.57E-06	1.33E-06	1.45E-02	4.57E-06	1.33E-06
640	490536.72, 3859985.12	1.53E-02	4.84E-06	1.41E-06	1.57E-02	4.94E-06	1.44E-06	1.56E-02	4.94E-06	1.44E-06
641	490586.72, 3859985.12	1.68E-02	5.30E-06	1.54E-06	1.71E-02	5.41E-06	1.57E-06	1.71E-02	5.40E-06	1.57E-06
642	490636.72, 3859985.12	1.86E-02	5.86E-06	1.71E-06	1.90E-02	5.98E-06	1.74E-06	1.89E-02	5.97E-06	1.74E-06
643	490686.72, 3859985.12	2.11E-02	6.64E-06	1.93E-06	2.15E-02	6.78E-06	1.97E-06	2.15E-02	6.77E-06	1.97E-06
644	490736.72, 3859985.12	2.34E-02	7.39E-06	2.15E-06	2.39E-02	7.54E-06	2.19E-06	2.39E-02	7.53E-06	2.19E-06
645	490786.72, 3859985.12	2.64E-02	8.32E-06	2.42E-06	2.69E-02	8.49E-06	2.47E-06	2.69E-02	8.48E-06	2.47E-06
646	490086.72, 3860035.12	8.25E-03	2.60E-06	7.57E-07	8.42E-03	2.66E-06	7.73E-07	8.41E-03	2.65E-06	7.72E-07
647	490136.72, 3860035.12	8.62E-03	2.72E-06	7.91E-07	8.80E-03	2.78E-06	8.07E-07	8.79E-03	2.77E-06	8.07E-07
648	490186.72, 3860035.12	9.03E-03	2.85E-06	8.29E-07	9.21E-03	2.91E-06	8.46E-07	9.20E-03	2.90E-06	8.45E-07
649	490236.72, 3860035.12	9.47E-03	2.99E-06	8.69E-07	9.66E-03	3.05E-06	8.87E-07	9.65E-03	3.05E-06	8.86E-07
650	490286.72, 3860035.12	9.92E-03	3.13E-06	9.11E-07	1.01E-02	3.20E-06	9.29E-07	1.01E-02	3.19E-06	9.28E-07
651	490336.72, 3860035.12	1.05E-02	3.30E-06	9.61E-07	1.07E-02	3.37E-06	9.81E-07	1.07E-02	3.37E-06	9.79E-07
652	490386.72, 3860035.12	1.09E-02	3.45E-06	1.00E-06	1.12E-02	3.52E-06	1.02E-06	1.11E-02	3.52E-06	1.02E-06
653	490436.72, 3860035.12	1.15E-02	3.62E-06	1.05E-06	1.17E-02	3.70E-06	1.08E-06	1.17E-02	3.69E-06	1.07E-06
654	490486.72, 3860035.12	1.21E-02	3.83E-06	1.11E-06	1.24E-02	3.91E-06	1.14E-06	1.24E-02	3.90E-06	1.13E-06
655	490536.72, 3860035.12	1.29E-02	4.08E-06	1.19E-06	1.32E-02	4.16E-06	1.21E-06	1.32E-02	4.16E-06	1.21E-06
656	490586.72, 3860035.12	1.38E-02	4.37E-06	1.27E-06	1.41E-02	4.46E-06	1.30E-06	1.41E-02	4.45E-06	1.29E-06
657	490636.72, 3860035.12	1.48E-02	4.67E-06	1.36E-06	1.51E-02	4.76E-06	1.39E-06	1.51E-02	4.76E-06	1.38E-06
658	490686.72, 3860035.12	1.62E-02	5.10E-06	1.48E-06	1.65E-02	5.20E-06	1.51E-06	1.65E-02	5.20E-06	1.51E-06
659	490736.72, 3860035.12	1.81E-02	5.71E-06	1.66E-06	1.85E-02	5.83E-06	1.69E-06	1.84E-02	5.82E-06	1.69E-06
660	490786.72, 3860035.12	1.99E-02	6.27E-06	1.82E-06	2.03E-02	6.40E-06	1.86E-06	2.02E-02	6.39E-06	1.86E-06
661	490836.72, 3860035.12	2.20E-02	6.93E-06	2.02E-06	2.24E-02	7.08E-06	2.06E-06	2.24E-02	7.07E-06	2.06E-06
662	490086.72, 3860085.12	7.54E-03	2.38E-06	6.92E-07	7.69E-03	2.43E-06	7.06E-07	7.69E-03	2.43E-06	7.06E-07
663	490136.72, 3860085.12	7.78E-03	2.45E-06	7.14E-07	7.94E-03	2.51E-06	7.29E-07	7.93E-03	2.50E-06	7.28E-07
664	490186.72, 3860085.12	8.15E-03	2.57E-06	7.48E-07	8.31E-03	2.62E-06	7.63E-07	8.30E-03	2.62E-06	7.62E-07
665	490236.72, 3860085.12	8.50E-03	2.68E-06	7.80E-07	8.67E-03	2.74E-06	7.96E-07	8.66E-03	2.73E-06	7.95E-07
666	490286.72, 3860085.12	8.87E-03	2.80E-06	8.15E-07	9.05E-03	2.86E-06	8.31E-07	9.04E-03	2.85E-06	8.30E-07
667	490336.72, 3860085.12	9.25E-03	2.92E-06	8.49E-07	9.44E-03	2.98E-06	8.66E-07	9.42E-03	2.97E-06	8.65E-07

668	490386.72, 3860085.12	9.66E-03	3.05E-06	8.86E-07	9.85E-03	3.11E-06	9.05E-07	9.84E-03	3.11E-06	9.04E-07
669	490436.72, 3860085.12	1.01E-02	3.19E-06	9.27E-07	1.03E-02	3.25E-06	9.46E-07	1.03E-02	3.25E-06	9.45E-07
670	490486.72, 3860085.12	1.06E-02	3.33E-06	9.70E-07	1.08E-02	3.40E-06	9.90E-07	1.08E-02	3.40E-06	9.89E-07
671	490536.72, 3860085.12	1.12E-02	3.52E-06	1.02E-06	1.14E-02	3.59E-06	1.05E-06	1.14E-02	3.59E-06	1.04E-06
672	490586.72, 3860085.12	1.18E-02	3.74E-06	1.09E-06	1.21E-02	3.81E-06	1.11E-06	1.21E-02	3.81E-06	1.11E-06
673	490636.72, 3860085.12	1.25E-02	3.96E-06	1.15E-06	1.28E-02	4.04E-06	1.18E-06	1.28E-02	4.04E-06	1.17E-06
674	490686.72, 3860085.12	1.35E-02	4.25E-06	1.24E-06	1.37E-02	4.34E-06	1.26E-06	1.37E-02	4.33E-06	1.26E-06
675	490736.72, 3860085.12	1.46E-02	4.61E-06	1.34E-06	1.49E-02	4.71E-06	1.37E-06	1.49E-02	4.70E-06	1.37E-06
676	490786.72, 3860085.12	1.60E-02	5.04E-06	1.47E-06	1.63E-02	5.14E-06	1.50E-06	1.63E-02	5.14E-06	1.49E-06
677	490836.72, 3860085.12	1.74E-02	5.48E-06	1.59E-06	1.77E-02	5.60E-06	1.63E-06	1.77E-02	5.59E-06	1.63E-06
678	490086.72, 3860135.12	6.77E-03	2.14E-06	6.22E-07	6.91E-03	2.18E-06	6.34E-07	6.90E-03	2.18E-06	6.34E-07
679	490136.72, 3860135.12	7.06E-03	2.23E-06	6.48E-07	7.20E-03	2.27E-06	6.61E-07	7.19E-03	2.27E-06	6.60E-07
680	490186.72, 3860135.12	7.37E-03	2.32E-06	6.76E-07	7.52E-03	2.37E-06	6.90E-07	7.51E-03	2.37E-06	6.89E-07
681	490236.72, 3860135.12	7.66E-03	2.42E-06	7.03E-07	7.81E-03	2.47E-06	7.17E-07	7.80E-03	2.46E-06	7.16E-07
682	490286.72, 3860135.12	7.98E-03	2.52E-06	7.32E-07	8.14E-03	2.57E-06	7.47E-07	8.13E-03	2.57E-06	7.46E-07
683	490336.72, 3860135.12	8.31E-03	2.62E-06	7.63E-07	8.48E-03	2.68E-06	7.78E-07	8.47E-03	2.67E-06	7.77E-07
684	490386.72, 3860135.12	8.64E-03	2.73E-06	7.94E-07	8.82E-03	2.78E-06	8.10E-07	8.81E-03	2.78E-06	8.09E-07
685	490436.72, 3860135.12	8.99E-03	2.84E-06	8.25E-07	9.17E-03	2.89E-06	8.42E-07	9.16E-03	2.89E-06	8.41E-07
686	490486.72, 3860135.12	9.38E-03	2.96E-06	8.61E-07	9.57E-03	3.02E-06	8.79E-07	9.56E-03	3.02E-06	8.78E-07
687	490536.72, 3860135.12	9.86E-03	3.11E-06	9.05E-07	1.01E-02	3.17E-06	9.23E-07	1.00E-02	3.17E-06	9.22E-07
688	490586.72, 3860135.12	1.04E-02	3.27E-06	9.51E-07	1.06E-02	3.34E-06	9.71E-07	1.06E-02	3.33E-06	9.69E-07
689	490636.72, 3860135.12	1.09E-02	3.45E-06	1.00E-06	1.11E-02	3.52E-06	1.02E-06	1.11E-02	3.51E-06	1.02E-06
690	490686.72, 3860135.12	1.16E-02	3.65E-06	1.06E-06	1.18E-02	3.72E-06	1.08E-06	1.18E-02	3.72E-06	1.08E-06
691	490736.72, 3860135.12	1.23E-02	3.89E-06	1.13E-06	1.26E-02	3.97E-06	1.15E-06	1.26E-02	3.97E-06	1.15E-06
692	490786.72, 3860135.12	1.33E-02	4.21E-06	1.22E-06	1.36E-02	4.30E-06	1.25E-06	1.36E-02	4.29E-06	1.25E-06
693	490836.72, 3860135.12	1.44E-02	4.53E-06	1.32E-06	1.47E-02	4.62E-06	1.34E-06	1.46E-02	4.62E-06	1.34E-06
694	490086.72, 3860185.12	6.19E-03	1.95E-06	5.68E-07	6.32E-03	1.99E-06	5.80E-07	6.31E-03	1.99E-06	5.79E-07
695	490136.72, 3860185.12	6.46E-03	2.04E-06	5.93E-07	6.59E-03	2.08E-06	6.05E-07	6.58E-03	2.08E-06	6.04E-07
696	490186.72, 3860185.12	6.72E-03	2.12E-06	6.17E-07	6.85E-03	2.16E-06	6.29E-07	6.85E-03	2.16E-06	6.29E-07
697	490236.72, 3860185.12	6.97E-03	2.20E-06	6.40E-07	7.11E-03	2.24E-06	6.53E-07	7.10E-03	2.24E-06	6.52E-07
698	490286.72, 3860185.12	7.23E-03	2.28E-06	6.64E-07	7.38E-03	2.33E-06	6.77E-07	7.37E-03	2.33E-06	6.76E-07
699	490336.72, 3860185.12	7.50E-03	2.37E-06	6.89E-07	7.66E-03	2.42E-06	7.03E-07	7.65E-03	2.41E-06	7.02E-07
700	490386.72, 3860185.12	7.79E-03	2.46E-06	7.16E-07	7.95E-03	2.51E-06	7.30E-07	7.94E-03	2.51E-06	7.29E-07
701	490436.72, 3860185.12	8.10E-03	2.56E-06	7.44E-07	8.27E-03	2.61E-06	7.59E-07	8.26E-03	2.61E-06	7.58E-07
702	490486.72, 3860185.12	8.42E-03	2.66E-06	7.73E-07	8.59E-03	2.71E-06	7.89E-07	8.58E-03	2.71E-06	7.88E-07
703	490536.72, 3860185.12	8.80E-03	2.78E-06	8.07E-07	8.98E-03	2.83E-06	8.24E-07	8.96E-03	2.83E-06	8.23E-07
704	490586.72, 3860185.12	9.24E-03	2.92E-06	8.48E-07	9.43E-03	2.98E-06	8.66E-07	9.42E-03	2.97E-06	8.65E-07
705	490636.72, 3860185.12	9.67E-03	3.05E-06	8.88E-07	9.87E-03	3.11E-06	9.06E-07	9.85E-03	3.11E-06	9.05E-07
706	490686.72, 3860185.12	1.02E-02	3.22E-06	9.37E-07	1.04E-02	3.29E-06	9.56E-07	1.04E-02	3.28E-06	9.55E-07
707	490736.72, 3860185.12	1.07E-02	3.39E-06	9.86E-07	1.10E-02	3.46E-06	1.01E-06	1.09E-02	3.46E-06	1.01E-06
708	490786.72, 3860185.12	1.15E-02	3.61E-06	1.05E-06	1.17E-02	3.69E-06	1.07E-06	1.17E-02	3.68E-06	1.07E-06
709	490836.72, 3860185.12	1.23E-02	3.87E-06	1.13E-06	1.25E-02	3.95E-06	1.15E-06	1.25E-02	3.95E-06	1.15E-06
710	490086.72, 3860235.12	5.71E-03	1.80E-06	5.24E-07	5.83E-03	1.84E-06	5.35E-07	5.82E-03	1.84E-06	5.34E-07
711	490136.72, 3860235.12	5.93E-03	1.87E-06	5.44E-07	6.05E-03	1.91E-06	5.55E-07	6.04E-03	1.91E-06	5.55E-07
712	490186.72, 3860235.12	6.15E-03	1.94E-06	5.65E-07	6.28E-03	1.98E-06	5.77E-07	6.27E-03	1.98E-06	5.76E-07
713	490236.72, 3860235.12	6.38E-03	2.01E-06	5.85E-07	6.51E-03	2.05E-06	5.97E-07	6.50E-03	2.05E-06	5.97E-07
714	490286.72, 3860235.12	6.60E-03	2.08E-06	6.06E-07	6.74E-03	2.13E-06	6.19E-07	6.73E-03	2.12E-06	6.18E-07
715	490336.72, 3860235.12	6.85E-03	2.16E-06	6.28E-07	6.98E-03	2.20E-06	6.41E-07	6.98E-03	2.20E-06	6.40E-07
716	490386.72, 3860235.12	7.10E-03	2.24E-06	6.51E-07	7.24E-03	2.29E-06	6.65E-07	7.23E-03	2.28E-06	6.64E-07
717	490436.72, 3860235.12	7.37E-03	2.32E-06	6.76E-07	7.52E-03	2.37E-06	6.90E-07	7.51E-03	2.37E-06	6.89E-07
718	490486.72, 3860235.12	7.64E-03	2.41E-06	7.01E-07	7.79E-03	2.46E-06	7.16E-07	7.79E-03	2.46E-06	7.15E-07
719	490536.72, 3860235.12	7.95E-03	2.51E-06	7.30E-07	8.12E-03	2.56E-06	7.45E-07	8.11E-03	2.56E-06	7.44E-07
720	490586.72, 3860235.12	8.31E-03	2.62E-06	7.63E-07	8.48E-03	2.68E-06	7.78E-07	8.47E-03	2.67E-06	7.77E-07
721	490636.72, 3860235.12	8.69E-03	2.74E-06	7.98E-07	8.87E-03	2.80E-06	8.14E-07	8.86E-03	2.80E-06	8.13E-07
722	490686.72, 3860235.12	9.12E-03	2.88E-06	8.37E-07	9.31E-03	2.94E-06	8.54E-07	9.30E-03	2.93E-06	8.53E-07
723	490736.72, 3860235.12	9.59E-03	3.03E-06	8.80E-07	9.78E-03	3.09E-06	8.98E-07	9.77E-03	3.08E-06	8.97E-07
724	490786.72, 3860235.12	1.01E-02	3.19E-06	9.28E-07	1.03E-02	3.26E-06	9.47E-07	1.03E-02	3.25E-06	9.46E-07
725	490086.72, 3860285.12	5.29E-03	1.67E-06	4.85E-07	5.39E-03	1.70E-06	4.95E-07	5.39E-03	1.70E-06	4.95E-07
726	490136.72, 3860285.12	5.48E-03	1.73E-06	5.03E-07	5.59E-03	1.76E-06	5.13E-07	5.58E-03	1.76E-06	5.12E-07
727	490186.72, 3860285.12	5.67E-03	1.79E-06	5.20E-07	5.78E-03	1.82E-06	5.31E-07	5.77E-03	1.82E-06	5.30E-07
728	490236.72, 3860285.12	5.87E-03	1.85E-06	5.39E-07	5.99E-03	1.89E-06	5.50E-07	5.98E-03	1.89E-06	5.49E-07

729	490286.72, 3860285.12	6.07E-03	1.91E-06	5.57E-07	6.19E-03	1.95E-06	5.68E-07	6.18E-03	1.95E-06	5.68E-07
730	490336.72, 3860285.12	6.27E-03	1.98E-06	5.76E-07	6.40E-03	2.02E-06	5.87E-07	6.39E-03	2.02E-06	5.87E-07
731	490386.72, 3860285.12	6.50E-03	2.05E-06	5.97E-07	6.63E-03	2.09E-06	6.09E-07	6.62E-03	2.09E-06	6.08E-07
732	490436.72, 3860285.12	6.73E-03	2.12E-06	6.18E-07	6.87E-03	2.17E-06	6.30E-07	6.86E-03	2.16E-06	6.30E-07
733	490486.72, 3860285.12	6.98E-03	2.20E-06	6.41E-07	7.12E-03	2.25E-06	6.54E-07	7.11E-03	2.24E-06	6.53E-07
734	490536.72, 3860285.12	7.23E-03	2.28E-06	6.64E-07	7.38E-03	2.33E-06	6.78E-07	7.37E-03	2.33E-06	6.77E-07
735	490586.72, 3860285.12	7.52E-03	2.37E-06	6.90E-07	7.67E-03	2.42E-06	7.04E-07	7.66E-03	2.42E-06	7.04E-07
736	490636.72, 3860285.12	7.85E-03	2.48E-06	7.20E-07	8.01E-03	2.53E-06	7.35E-07	8.00E-03	2.52E-06	7.34E-07
737	490686.72, 3860285.12	8.22E-03	2.59E-06	7.55E-07	8.39E-03	2.65E-06	7.70E-07	8.38E-03	2.64E-06	7.69E-07
738	490736.72, 3860285.12	8.62E-03	2.72E-06	7.91E-07	8.79E-03	2.78E-06	8.07E-07	8.78E-03	2.77E-06	8.06E-07
739	490786.72, 3860285.12	9.07E-03	2.86E-06	8.33E-07	9.26E-03	2.92E-06	8.50E-07	9.25E-03	2.92E-06	8.49E-07
740	490086.72, 3860335.12	4.91E-03	1.55E-06	4.51E-07	5.01E-03	1.58E-06	4.60E-07	5.01E-03	1.58E-06	4.59E-07
741	490136.72, 3860335.12	5.08E-03	1.60E-06	4.67E-07	5.19E-03	1.64E-06	4.76E-07	5.18E-03	1.64E-06	4.76E-07
742	490186.72, 3860335.12	5.25E-03	1.66E-06	4.82E-07	5.36E-03	1.69E-06	4.92E-07	5.35E-03	1.69E-06	4.91E-07
743	490236.72, 3860335.12	5.43E-03	1.71E-06	4.99E-07	5.54E-03	1.75E-06	5.09E-07	5.54E-03	1.75E-06	5.08E-07
744	490286.72, 3860335.12	5.60E-03	1.77E-06	5.15E-07	5.72E-03	1.80E-06	5.25E-07	5.71E-03	1.80E-06	5.24E-07
745	490336.72, 3860335.12	5.78E-03	1.82E-06	5.31E-07	5.90E-03	1.86E-06	5.42E-07	5.89E-03	1.86E-06	5.41E-07
746	490386.72, 3860335.12	5.98E-03	1.89E-06	5.49E-07	6.10E-03	1.92E-06	5.60E-07	6.09E-03	1.92E-06	5.59E-07
747	490436.72, 3860335.12	6.18E-03	1.95E-06	5.68E-07	6.31E-03	1.99E-06	5.79E-07	6.30E-03	1.99E-06	5.78E-07
748	490486.72, 3860335.12	6.40E-03	2.02E-06	5.87E-07	6.53E-03	2.06E-06	5.99E-07	6.52E-03	2.06E-06	5.99E-07
749	490536.72, 3860335.12	6.64E-03	2.10E-06	6.10E-07	6.78E-03	2.14E-06	6.22E-07	6.77E-03	2.14E-06	6.21E-07
750	490586.72, 3860335.12	6.88E-03	2.17E-06	6.32E-07	7.02E-03	2.22E-06	6.44E-07	7.01E-03	2.21E-06	6.44E-07
751	490636.72, 3860335.12	7.16E-03	2.26E-06	6.57E-07	7.30E-03	2.30E-06	6.70E-07	7.29E-03	2.30E-06	6.70E-07
752	490686.72, 3860335.12	7.46E-03	2.36E-06	6.85E-07	7.61E-03	2.40E-06	6.99E-07	7.61E-03	2.40E-06	6.98E-07
753	490736.72, 3860335.12	7.80E-03	2.46E-06	7.16E-07	7.96E-03	2.51E-06	7.31E-07	7.95E-03	2.51E-06	7.30E-07
754	490786.72, 3860335.12	8.22E-03	2.59E-06	7.54E-07	8.38E-03	2.65E-06	7.70E-07	8.37E-03	2.64E-06	7.69E-07
755	490086.72, 3860385.12	4.58E-03	1.45E-06	4.21E-07	4.68E-03	1.48E-06	4.29E-07	4.67E-03	1.47E-06	4.29E-07
756	490136.72, 3860385.12	4.74E-03	1.50E-06	4.35E-07	4.84E-03	1.53E-06	4.44E-07	4.83E-03	1.52E-06	4.43E-07
757	490186.72, 3860385.12	4.88E-03	1.54E-06	4.48E-07	4.98E-03	1.57E-06	4.57E-07	4.97E-03	1.57E-06	4.56E-07
758	490236.72, 3860385.12	5.04E-03	1.59E-06	4.62E-07	5.14E-03	1.62E-06	4.72E-07	5.13E-03	1.62E-06	4.71E-07
759	490286.72, 3860385.12	5.19E-03	1.64E-06	4.77E-07	5.30E-03	1.67E-06	4.86E-07	5.29E-03	1.67E-06	4.86E-07
760	490336.72, 3860385.12	5.36E-03	1.69E-06	4.92E-07	5.46E-03	1.72E-06	5.02E-07	5.46E-03	1.72E-06	5.01E-07
761	490386.72, 3860385.12	5.52E-03	1.74E-06	5.07E-07	5.64E-03	1.78E-06	5.18E-07	5.63E-03	1.78E-06	5.17E-07
762	490436.72, 3860385.12	5.71E-03	1.80E-06	5.24E-07	5.82E-03	1.84E-06	5.34E-07	5.81E-03	1.84E-06	5.34E-07
763	490486.72, 3860385.12	5.90E-03	1.86E-06	5.42E-07	6.03E-03	1.90E-06	5.53E-07	6.02E-03	1.90E-06	5.52E-07
764	490536.72, 3860385.12	6.11E-03	1.93E-06	5.61E-07	6.24E-03	1.97E-06	5.73E-07	6.23E-03	1.97E-06	5.72E-07
765	490586.72, 3860385.12	6.33E-03	2.00E-06	5.81E-07	6.46E-03	2.04E-06	5.93E-07	6.45E-03	2.04E-06	5.92E-07
766	490636.72, 3860385.12	6.56E-03	2.07E-06	6.02E-07	6.70E-03	2.11E-06	6.15E-07	6.69E-03	2.11E-06	6.14E-07
767	490686.72, 3860385.12	6.83E-03	2.16E-06	6.27E-07	6.97E-03	2.20E-06	6.40E-07	6.96E-03	2.20E-06	6.39E-07
768	490736.72, 3860385.12	7.11E-03	2.24E-06	6.52E-07	7.25E-03	2.29E-06	6.66E-07	7.24E-03	2.29E-06	6.65E-07
769	490786.72, 3860385.12	7.43E-03	2.34E-06	6.82E-07	7.58E-03	2.39E-06	6.96E-07	7.57E-03	2.39E-06	6.95E-07
770	490136.72, 3860435.12	4.42E-03	1.40E-06	4.06E-07	4.51E-03	1.42E-06	4.14E-07	4.51E-03	1.42E-06	4.14E-07
771	490186.72, 3860435.12	4.56E-03	1.44E-06	4.18E-07	4.65E-03	1.47E-06	4.27E-07	4.65E-03	1.47E-06	4.26E-07
772	490236.72, 3860435.12	4.69E-03	1.48E-06	4.31E-07	4.79E-03	1.51E-06	4.40E-07	4.78E-03	1.51E-06	4.39E-07
773	490286.72, 3860435.12	4.83E-03	1.53E-06	4.44E-07	4.93E-03	1.56E-06	4.53E-07	4.93E-03	1.55E-06	4.52E-07
774	490336.72, 3860435.12	4.97E-03	1.57E-06	4.56E-07	5.07E-03	1.60E-06	4.66E-07	5.07E-03	1.60E-06	4.65E-07
775	490386.72, 3860435.12	5.13E-03	1.62E-06	4.71E-07	5.23E-03	1.65E-06	4.80E-07	5.22E-03	1.65E-06	4.80E-07
776	490436.72, 3860435.12	5.29E-03	1.67E-06	4.85E-07	5.39E-03	1.70E-06	4.95E-07	5.39E-03	1.70E-06	4.95E-07
777	490486.72, 3860435.12	5.46E-03	1.72E-06	5.01E-07	5.57E-03	1.76E-06	5.11E-07	5.56E-03	1.76E-06	5.11E-07
778	490536.72, 3860435.12	5.64E-03	1.78E-06	5.18E-07	5.76E-03	1.82E-06	5.29E-07	5.75E-03	1.82E-06	5.28E-07
779	490586.72, 3860435.12	5.83E-03	1.84E-06	5.36E-07	5.95E-03	1.88E-06	5.46E-07	5.95E-03	1.88E-06	5.46E-07
780	490636.72, 3860435.12	6.03E-03	1.90E-06	5.54E-07	6.16E-03	1.94E-06	5.65E-07	6.15E-03	1.94E-06	5.65E-07
781	490686.72, 3860435.12	6.26E-03	1.98E-06	5.75E-07	6.39E-03	2.02E-06	5.87E-07	6.38E-03	2.01E-06	5.86E-07
782	490736.72, 3860435.12	6.52E-03	2.06E-06	5.99E-07	6.65E-03	2.10E-06	6.11E-07	6.65E-03	2.10E-06	6.10E-07
783	490786.72, 3860435.12	6.78E-03	2.14E-06	6.23E-07	6.92E-03	2.18E-06	6.35E-07	6.91E-03	2.18E-06	6.35E-07
784	490136.72, 3860485.12	4.16E-03	1.31E-06	3.82E-07	4.24E-03	1.34E-06	3.89E-07	4.24E-03	1.34E-06	3.89E-07
785	490186.72, 3860485.12	4.27E-03	1.35E-06	3.92E-07	4.36E-03	1.38E-06	4.00E-07	4.35E-03	1.37E-06	4.00E-07
786	490236.72, 3860485.12	4.39E-03	1.38E-06	4.03E-07	4.48E-03	1.41E-06	4.11E-07	4.47E-03	1.41E-06	4.11E-07
787	490286.72, 3860485.12	4.52E-03	1.43E-06	4.15E-07	4.61E-03	1.45E-06	4.23E-07	4.60E-03	1.45E-06	4.23E-07
788	490336.72, 3860485.12	4.64E-03	1.46E-06	4.26E-07	4.73E-03	1.49E-06	4.35E-07	4.73E-03	1.49E-06	4.34E-07
789	490386.72, 3860485.12	4.78E-03	1.51E-06	4.39E-07	4.88E-03	1.54E-06	4.48E-07	4.87E-03	1.54E-06	4.47E-07

790	490436.72, 3860485.12	4.93E-03	1.56E-06	4.53E-07	5.03E-03	1.59E-06	4.62E-07	5.03E-03	1.59E-06	4.62E-07
791	490486.72, 3860485.12	5.08E-03	1.60E-06	4.66E-07	5.18E-03	1.64E-06	4.76E-07	5.18E-03	1.63E-06	4.75E-07
792	490536.72, 3860485.12	5.23E-03	1.65E-06	4.80E-07	5.33E-03	1.68E-06	4.90E-07	5.33E-03	1.68E-06	4.89E-07
793	490586.72, 3860485.12	5.39E-03	1.70E-06	4.95E-07	5.50E-03	1.74E-06	5.05E-07	5.49E-03	1.73E-06	5.04E-07
794	490636.72, 3860485.12	5.58E-03	1.76E-06	5.12E-07	5.69E-03	1.80E-06	5.23E-07	5.69E-03	1.79E-06	5.22E-07
795	490686.72, 3860485.12	5.76E-03	1.82E-06	5.29E-07	5.88E-03	1.86E-06	5.40E-07	5.87E-03	1.85E-06	5.39E-07
796	490736.72, 3860485.12	5.98E-03	1.89E-06	5.49E-07	6.10E-03	1.93E-06	5.60E-07	6.10E-03	1.92E-06	5.60E-07
797	490786.72, 3860485.12	6.21E-03	1.96E-06	5.70E-07	6.34E-03	2.00E-06	5.82E-07	6.33E-03	2.00E-06	5.81E-07
798	490136.72, 3860535.12	3.91E-03	1.23E-06	3.59E-07	3.99E-03	1.26E-06	3.67E-07	3.99E-03	1.26E-06	3.66E-07
799	490186.72, 3860535.12	4.04E-03	1.27E-06	3.70E-07	4.12E-03	1.30E-06	3.78E-07	4.11E-03	1.30E-06	3.78E-07
800	490236.72, 3860535.12	4.12E-03	1.30E-06	3.78E-07	4.21E-03	1.33E-06	3.86E-07	4.20E-03	1.33E-06	3.86E-07
801	490286.72, 3860535.12	4.23E-03	1.33E-06	3.88E-07	4.31E-03	1.36E-06	3.96E-07	4.31E-03	1.36E-06	3.95E-07
802	490336.72, 3860535.12	4.34E-03	1.37E-06	3.99E-07	4.43E-03	1.40E-06	4.07E-07	4.43E-03	1.40E-06	4.06E-07
803	490386.72, 3860535.12	4.48E-03	1.41E-06	4.11E-07	4.57E-03	1.44E-06	4.19E-07	4.56E-03	1.44E-06	4.19E-07
804	490436.72, 3860535.12	4.61E-03	1.45E-06	4.23E-07	4.70E-03	1.48E-06	4.32E-07	4.70E-03	1.48E-06	4.31E-07
805	490486.72, 3860535.12	4.75E-03	1.50E-06	4.36E-07	4.84E-03	1.53E-06	4.45E-07	4.84E-03	1.53E-06	4.44E-07
806	490536.72, 3860535.12	4.92E-03	1.55E-06	4.52E-07	5.02E-03	1.58E-06	4.61E-07	5.02E-03	1.58E-06	4.60E-07
807	490586.72, 3860535.12	5.02E-03	1.58E-06	4.61E-07	5.12E-03	1.62E-06	4.70E-07	5.12E-03	1.61E-06	4.70E-07
808	490636.72, 3860535.12	5.17E-03	1.63E-06	4.74E-07	5.27E-03	1.66E-06	4.84E-07	5.27E-03	1.66E-06	4.84E-07
809	490686.72, 3860535.12	5.34E-03	1.68E-06	4.90E-07	5.45E-03	1.72E-06	5.00E-07	5.44E-03	1.72E-06	4.99E-07
810	490736.72, 3860535.12	5.51E-03	1.74E-06	5.06E-07	5.62E-03	1.77E-06	5.16E-07	5.62E-03	1.77E-06	5.16E-07
811	490786.72, 3860535.12	5.71E-03	1.80E-06	5.25E-07	5.83E-03	1.84E-06	5.35E-07	5.82E-03	1.84E-06	5.35E-07
812	490136.72, 3860585.12	3.71E-03	1.17E-06	3.40E-07	3.78E-03	1.19E-06	3.47E-07	3.78E-03	1.19E-06	3.47E-07
813	490186.72, 3860585.12	3.75E-03	1.18E-06	3.45E-07	3.83E-03	1.21E-06	3.52E-07	3.83E-03	1.21E-06	3.51E-07
814	490236.72, 3860585.12	3.86E-03	1.22E-06	3.55E-07	3.94E-03	1.24E-06	3.62E-07	3.94E-03	1.24E-06	3.62E-07
815	490286.72, 3860585.12	3.97E-03	1.25E-06	3.65E-07	4.05E-03	1.28E-06	3.72E-07	4.05E-03	1.28E-06	3.72E-07
816	490336.72, 3860585.12	4.08E-03	1.29E-06	3.74E-07	4.16E-03	1.31E-06	3.82E-07	4.15E-03	1.31E-06	3.81E-07
817	490386.72, 3860585.12	4.18E-03	1.32E-06	3.84E-07	4.27E-03	1.35E-06	3.92E-07	4.26E-03	1.35E-06	3.91E-07
818	490436.72, 3860585.12	4.33E-03	1.37E-06	3.98E-07	4.42E-03	1.39E-06	4.06E-07	4.41E-03	1.39E-06	4.05E-07
819	490486.72, 3860585.12	4.48E-03	1.41E-06	4.11E-07	4.57E-03	1.44E-06	4.19E-07	4.56E-03	1.44E-06	4.19E-07
820	490536.72, 3860585.12	4.59E-03	1.45E-06	4.22E-07	4.69E-03	1.48E-06	4.30E-07	4.68E-03	1.48E-06	4.30E-07
821	490586.72, 3860585.12	4.66E-03	1.47E-06	4.28E-07	4.76E-03	1.50E-06	4.37E-07	4.75E-03	1.50E-06	4.36E-07
822	490636.72, 3860585.12	4.80E-03	1.52E-06	4.41E-07	4.90E-03	1.55E-06	4.50E-07	4.89E-03	1.54E-06	4.49E-07
823	490686.72, 3860585.12	4.95E-03	1.56E-06	4.54E-07	5.05E-03	1.59E-06	4.63E-07	5.04E-03	1.59E-06	4.63E-07
824	490736.72, 3860585.12	5.10E-03	1.61E-06	4.68E-07	5.21E-03	1.64E-06	4.78E-07	5.20E-03	1.64E-06	4.77E-07
825	490786.72, 3860585.12	5.26E-03	1.66E-06	4.83E-07	5.37E-03	1.69E-06	4.93E-07	5.36E-03	1.69E-06	4.92E-07
826	490136.72, 3860635.12	3.53E-03	1.11E-06	3.24E-07	3.60E-03	1.14E-06	3.31E-07	3.60E-03	1.14E-06	3.30E-07
827	490186.72, 3860635.12	3.59E-03	1.13E-06	3.30E-07	3.66E-03	1.16E-06	3.36E-07	3.66E-03	1.16E-06	3.36E-07
828	490236.72, 3860635.12	3.65E-03	1.15E-06	3.35E-07	3.72E-03	1.17E-06	3.42E-07	3.72E-03	1.17E-06	3.41E-07
829	490286.72, 3860635.12	3.73E-03	1.18E-06	3.43E-07	3.81E-03	1.20E-06	3.50E-07	3.80E-03	1.20E-06	3.49E-07
830	490336.72, 3860635.12	3.83E-03	1.21E-06	3.52E-07	3.91E-03	1.23E-06	3.59E-07	3.90E-03	1.23E-06	3.58E-07
831	490386.72, 3860635.12	3.93E-03	1.24E-06	3.61E-07	4.01E-03	1.27E-06	3.68E-07	4.01E-03	1.26E-06	3.68E-07
832	490436.72, 3860635.12	4.03E-03	1.27E-06	3.70E-07	4.11E-03	1.30E-06	3.77E-07	4.11E-03	1.30E-06	3.77E-07
833	490486.72, 3860635.12	4.14E-03	1.31E-06	3.80E-07	4.22E-03	1.33E-06	3.88E-07	4.22E-03	1.33E-06	3.87E-07
834	490536.72, 3860635.12	4.27E-03	1.35E-06	3.92E-07	4.35E-03	1.37E-06	4.00E-07	4.35E-03	1.37E-06	3.99E-07
835	490586.72, 3860635.12	4.36E-03	1.38E-06	4.00E-07	4.45E-03	1.40E-06	4.08E-07	4.44E-03	1.40E-06	4.08E-07
836	490636.72, 3860635.12	4.48E-03	1.42E-06	4.12E-07	4.58E-03	1.44E-06	4.20E-07	4.57E-03	1.44E-06	4.20E-07
837	490686.72, 3860635.12	4.61E-03	1.45E-06	4.23E-07	4.70E-03	1.48E-06	4.32E-07	4.70E-03	1.48E-06	4.31E-07
838	490736.72, 3860635.12	4.73E-03	1.49E-06	4.34E-07	4.82E-03	1.52E-06	4.43E-07	4.82E-03	1.52E-06	4.42E-07
839	490786.72, 3860635.12	4.87E-03	1.54E-06	4.47E-07	4.97E-03	1.57E-06	4.56E-07	4.96E-03	1.57E-06	4.56E-07
840	490136.72, 3860685.12	3.33E-03	1.05E-06	3.06E-07	3.40E-03	1.07E-06	3.12E-07	3.40E-03	1.07E-06	3.12E-07
841	490186.72, 3860685.12	3.43E-03	1.08E-06	3.15E-07	3.50E-03	1.11E-06	3.22E-07	3.50E-03	1.10E-06	3.21E-07
842	490236.72, 3860685.12	3.48E-03	1.10E-06	3.20E-07	3.55E-03	1.12E-06	3.26E-07	3.55E-03	1.12E-06	3.26E-07
843	490286.72, 3860685.12	3.51E-03	1.11E-06	3.22E-07	3.58E-03	1.13E-06	3.29E-07	3.58E-03	1.13E-06	3.29E-07
844	490336.72, 3860685.12	3.61E-03	1.14E-06	3.31E-07	3.68E-03	1.16E-06	3.38E-07	3.68E-03	1.16E-06	3.38E-07
845	490386.72, 3860685.12	3.70E-03	1.17E-06	3.40E-07	3.77E-03	1.19E-06	3.46E-07	3.77E-03	1.19E-06	3.46E-07
846	490436.72, 3860685.12	3.78E-03	1.19E-06	3.47E-07	3.86E-03	1.22E-06	3.54E-07	3.85E-03	1.22E-06	3.54E-07
847	490486.72, 3860685.12	3.86E-03	1.22E-06	3.54E-07	3.94E-03	1.24E-06	3.62E-07	3.94E-03	1.24E-06	3.61E-07
848	490536.72, 3860685.12	3.96E-03	1.25E-06	3.64E-07	4.04E-03	1.28E-06	3.71E-07	4.04E-03	1.27E-06	3.71E-07
849	490586.72, 3860685.12	4.07E-03	1.28E-06	3.73E-07	4.15E-03	1.31E-06	3.81E-07	4.15E-03	1.31E-06	3.81E-07
850	490636.72, 3860685.12	4.18E-03	1.32E-06	3.84E-07	4.27E-03	1.35E-06	3.92E-07	4.26E-03	1.35E-06	3.91E-07

851	490686.72, 3860685.12	4.31E-03	1.36E-06	3.95E-07	4.39E-03	1.39E-06	4.03E-07	4.39E-03	1.39E-06	4.03E-07
852	490736.72, 3860685.12	4.42E-03	1.39E-06	4.05E-07	4.51E-03	1.42E-06	4.14E-07	4.50E-03	1.42E-06	4.13E-07
853	490786.72, 3860685.12	4.56E-03	1.44E-06	4.18E-07	4.65E-03	1.47E-06	4.27E-07	4.65E-03	1.47E-06	4.26E-07
854	490136.72, 3860735.12	3.12E-03	9.85E-07	2.87E-07	3.19E-03	1.01E-06	2.92E-07	3.18E-03	1.00E-06	2.92E-07
855	490186.72, 3860735.12	3.18E-03	1.00E-06	2.92E-07	3.24E-03	1.02E-06	2.98E-07	3.24E-03	1.02E-06	2.97E-07
856	490236.72, 3860735.12	3.25E-03	1.02E-06	2.98E-07	3.31E-03	1.05E-06	3.04E-07	3.31E-03	1.04E-06	3.04E-07
857	490286.72, 3860735.12	3.32E-03	1.05E-06	3.05E-07	3.39E-03	1.07E-06	3.11E-07	3.38E-03	1.07E-06	3.11E-07
858	490336.72, 3860735.12	3.39E-03	1.07E-06	3.12E-07	3.46E-03	1.09E-06	3.18E-07	3.46E-03	1.09E-06	3.18E-07
859	490386.72, 3860735.12	3.48E-03	1.10E-06	3.19E-07	3.55E-03	1.12E-06	3.26E-07	3.55E-03	1.12E-06	3.26E-07
860	490436.72, 3860735.12	3.59E-03	1.13E-06	3.29E-07	3.66E-03	1.16E-06	3.36E-07	3.66E-03	1.15E-06	3.36E-07
861	490486.72, 3860735.12	3.65E-03	1.15E-06	3.35E-07	3.73E-03	1.18E-06	3.42E-07	3.72E-03	1.18E-06	3.42E-07
862	490536.72, 3860735.12	3.71E-03	1.17E-06	3.40E-07	3.78E-03	1.19E-06	3.47E-07	3.78E-03	1.19E-06	3.47E-07
863	490586.72, 3860735.12	3.79E-03	1.20E-06	3.48E-07	3.87E-03	1.22E-06	3.55E-07	3.87E-03	1.22E-06	3.55E-07
864	490636.72, 3860735.12	3.89E-03	1.23E-06	3.57E-07	3.97E-03	1.25E-06	3.64E-07	3.96E-03	1.25E-06	3.64E-07
865	490686.72, 3860735.12	4.01E-03	1.26E-06	3.68E-07	4.09E-03	1.29E-06	3.75E-07	4.08E-03	1.29E-06	3.75E-07
866	490736.72, 3860735.12	4.13E-03	1.30E-06	3.79E-07	4.21E-03	1.33E-06	3.87E-07	4.21E-03	1.33E-06	3.86E-07
867	490136.72, 3860785.12	2.94E-03	9.27E-07	2.70E-07	3.00E-03	9.46E-07	2.75E-07	2.99E-03	9.45E-07	2.75E-07
868	490186.72, 3860785.12	3.00E-03	9.47E-07	2.75E-07	3.06E-03	9.66E-07	2.81E-07	3.06E-03	9.65E-07	2.81E-07
869	490236.72, 3860785.12	3.06E-03	9.66E-07	2.81E-07	3.12E-03	9.86E-07	2.87E-07	3.12E-03	9.85E-07	2.86E-07
870	490286.72, 3860785.12	3.13E-03	9.87E-07	2.87E-07	3.19E-03	1.01E-06	2.93E-07	3.19E-03	1.01E-06	2.93E-07
871	490336.72, 3860785.12	3.19E-03	1.01E-06	2.93E-07	3.26E-03	1.03E-06	2.99E-07	3.25E-03	1.03E-06	2.99E-07
872	490386.72, 3860785.12	3.28E-03	1.03E-06	3.01E-07	3.34E-03	1.06E-06	3.07E-07	3.34E-03	1.05E-06	3.07E-07
873	490436.72, 3860785.12	3.35E-03	1.06E-06	3.07E-07	3.42E-03	1.08E-06	3.14E-07	3.41E-03	1.08E-06	3.13E-07
874	490486.72, 3860785.12	3.44E-03	1.09E-06	3.16E-07	3.51E-03	1.11E-06	3.22E-07	3.50E-03	1.11E-06	3.22E-07
875	490536.72, 3860785.12	3.50E-03	1.11E-06	3.21E-07	3.57E-03	1.13E-06	3.28E-07	3.57E-03	1.13E-06	3.28E-07
876	490586.72, 3860785.12	3.55E-03	1.12E-06	3.26E-07	3.62E-03	1.14E-06	3.33E-07	3.62E-03	1.14E-06	3.32E-07
877	490636.72, 3860785.12	3.63E-03	1.14E-06	3.33E-07	3.70E-03	1.17E-06	3.40E-07	3.70E-03	1.17E-06	3.39E-07
878	490686.72, 3860785.12	3.72E-03	1.17E-06	3.41E-07	3.80E-03	1.20E-06	3.48E-07	3.79E-03	1.20E-06	3.48E-07
879	490736.72, 3860785.12	3.83E-03	1.21E-06	3.52E-07	3.91E-03	1.23E-06	3.59E-07	3.90E-03	1.23E-06	3.58E-07
880	490086.72, 3860835.12	2.73E-03	8.62E-07	2.51E-07	2.79E-03	8.80E-07	2.56E-07	2.78E-03	8.79E-07	2.56E-07
881	490136.72, 3860835.12	2.79E-03	8.82E-07	2.57E-07	2.85E-03	9.00E-07	2.62E-07	2.85E-03	8.99E-07	2.61E-07
882	490186.72, 3860835.12	2.84E-03	8.97E-07	2.61E-07	2.90E-03	9.15E-07	2.66E-07	2.90E-03	9.14E-07	2.66E-07
883	490236.72, 3860835.12	2.90E-03	9.14E-07	2.66E-07	2.95E-03	9.32E-07	2.71E-07	2.95E-03	9.31E-07	2.71E-07
884	490286.72, 3860835.12	2.96E-03	9.33E-07	2.71E-07	3.02E-03	9.52E-07	2.77E-07	3.01E-03	9.51E-07	2.77E-07
885	490336.72, 3860835.12	3.01E-03	9.51E-07	2.77E-07	3.07E-03	9.70E-07	2.82E-07	3.07E-03	9.69E-07	2.82E-07
886	490386.72, 3860835.12	3.07E-03	9.70E-07	2.82E-07	3.14E-03	9.90E-07	2.88E-07	3.13E-03	9.89E-07	2.88E-07
887	490436.72, 3860835.12	3.15E-03	9.93E-07	2.89E-07	3.21E-03	1.01E-06	2.95E-07	3.21E-03	1.01E-06	2.94E-07
888	490486.72, 3860835.12	3.22E-03	1.02E-06	2.96E-07	3.29E-03	1.04E-06	3.02E-07	3.28E-03	1.04E-06	3.01E-07
889	490536.72, 3860835.12	3.29E-03	1.04E-06	3.02E-07	3.35E-03	1.06E-06	3.08E-07	3.35E-03	1.06E-06	3.07E-07
890	490586.72, 3860835.12	3.34E-03	1.06E-06	3.07E-07	3.41E-03	1.08E-06	3.13E-07	3.41E-03	1.08E-06	3.13E-07
891	490636.72, 3860835.12	3.40E-03	1.07E-06	3.12E-07	3.47E-03	1.10E-06	3.19E-07	3.47E-03	1.09E-06	3.18E-07
892	490686.72, 3860835.12	3.48E-03	1.10E-06	3.20E-07	3.55E-03	1.12E-06	3.26E-07	3.55E-03	1.12E-06	3.26E-07
893	490736.72, 3860835.12	3.57E-03	1.13E-06	3.28E-07	3.65E-03	1.15E-06	3.35E-07	3.64E-03	1.15E-06	3.34E-07
894	490086.72, 3860885.12	2.61E-03	8.22E-07	2.39E-07	2.66E-03	8.39E-07	2.44E-07	2.66E-03	8.38E-07	2.44E-07
895	490136.72, 3860885.12	2.65E-03	8.38E-07	2.44E-07	2.71E-03	8.55E-07	2.49E-07	2.71E-03	8.54E-07	2.48E-07
896	490186.72, 3860885.12	2.70E-03	8.52E-07	2.48E-07	2.76E-03	8.70E-07	2.53E-07	2.75E-03	8.69E-07	2.53E-07
897	490236.72, 3860885.12	2.75E-03	8.68E-07	2.52E-07	2.81E-03	8.86E-07	2.58E-07	2.80E-03	8.85E-07	2.57E-07
898	490286.72, 3860885.12	2.80E-03	8.84E-07	2.57E-07	2.86E-03	9.02E-07	2.62E-07	2.85E-03	9.01E-07	2.62E-07
899	490336.72, 3860885.12	2.85E-03	8.99E-07	2.62E-07	2.91E-03	9.17E-07	2.67E-07	2.90E-03	9.16E-07	2.67E-07
900	490386.72, 3860885.12	2.91E-03	9.18E-07	2.67E-07	2.97E-03	9.37E-07	2.72E-07	2.96E-03	9.35E-07	2.72E-07
901	490436.72, 3860885.12	2.97E-03	9.38E-07	2.73E-07	3.03E-03	9.57E-07	2.78E-07	3.03E-03	9.56E-07	2.78E-07
902	490486.72, 3860885.12	3.03E-03	9.57E-07	2.78E-07	3.09E-03	9.77E-07	2.84E-07	3.09E-03	9.76E-07	2.84E-07
903	490536.72, 3860885.12	3.09E-03	9.75E-07	2.84E-07	3.15E-03	9.95E-07	2.90E-07	3.15E-03	9.94E-07	2.89E-07
904	490586.72, 3860885.12	3.14E-03	9.93E-07	2.89E-07	3.21E-03	1.01E-06	2.95E-07	3.21E-03	1.01E-06	2.94E-07
905	490636.72, 3860885.12	3.20E-03	1.01E-06	2.94E-07	3.26E-03	1.03E-06	3.00E-07	3.26E-03	1.03E-06	2.99E-07
906	490686.72, 3860885.12	3.26E-03	1.03E-06	2.99E-07	3.33E-03	1.05E-06	3.05E-07	3.32E-03	1.05E-06	3.05E-07
907	490736.72, 3860885.12	3.33E-03	1.05E-06	3.05E-07	3.39E-03	1.07E-06	3.12E-07	3.39E-03	1.07E-06	3.11E-07
908	490086.72, 3860935.12	2.48E-03	7.82E-07	2.28E-07	2.53E-03	7.98E-07	2.32E-07	2.53E-03	7.97E-07	2.32E-07
909	490136.72, 3860935.12	2.51E-03	7.94E-07	2.31E-07	2.57E-03	8.10E-07	2.36E-07	2.56E-03	8.09E-07	2.35E-07
910	490186.72, 3860935.12	2.56E-03	8.09E-07	2.35E-07	2.62E-03	8.25E-07	2.40E-07	2.61E-03	8.24E-07	2.40E-07
911	490236.72, 3860935.12	2.61E-03	8.24E-07	2.40E-07	2.66E-03	8.41E-07	2.45E-07	2.66E-03	8.40E-07	2.44E-07

912	490286.72, 3860935.12	2.66E-03	8.39E-07	2.44E-07	2.71E-03	8.57E-07	2.49E-07	2.71E-03	8.56E-07	2.49E-07
913	490336.72, 3860935.12	2.70E-03	8.53E-07	2.48E-07	2.76E-03	8.70E-07	2.53E-07	2.75E-03	8.69E-07	2.53E-07
914	490386.72, 3860935.12	2.76E-03	8.70E-07	2.53E-07	2.81E-03	8.88E-07	2.58E-07	2.81E-03	8.87E-07	2.58E-07
915	490436.72, 3860935.12	2.81E-03	8.88E-07	2.58E-07	2.87E-03	9.06E-07	2.63E-07	2.87E-03	9.05E-07	2.63E-07
916	490486.72, 3860935.12	2.86E-03	9.04E-07	2.63E-07	2.92E-03	9.22E-07	2.68E-07	2.92E-03	9.21E-07	2.68E-07
917	490536.72, 3860935.12	2.92E-03	9.20E-07	2.68E-07	2.98E-03	9.39E-07	2.73E-07	2.97E-03	9.38E-07	2.73E-07
918	490586.72, 3860935.12	2.96E-03	9.35E-07	2.72E-07	3.02E-03	9.54E-07	2.78E-07	3.02E-03	9.53E-07	2.77E-07
919	490636.72, 3860935.12	3.01E-03	9.50E-07	2.76E-07	3.07E-03	9.69E-07	2.82E-07	3.07E-03	9.68E-07	2.82E-07
920	490686.72, 3860935.12	3.06E-03	9.66E-07	2.81E-07	3.12E-03	9.86E-07	2.87E-07	3.12E-03	9.85E-07	2.86E-07
921	490736.72, 3860935.12	3.11E-03	9.83E-07	2.86E-07	3.18E-03	1.00E-06	2.92E-07	3.17E-03	1.00E-06	2.91E-07
922	490786.72, 3860935.12	3.17E-03	1.00E-06	2.91E-07	3.24E-03	1.02E-06	2.97E-07	3.23E-03	1.02E-06	2.97E-07
923	490836.72, 3860935.12	3.24E-03	1.02E-06	2.98E-07	3.31E-03	1.04E-06	3.04E-07	3.30E-03	1.04E-06	3.03E-07
924	490086.72, 3860985.12	2.37E-03	7.47E-07	2.17E-07	2.42E-03	7.63E-07	2.22E-07	2.41E-03	7.62E-07	2.22E-07
925	490136.72, 3860985.12	2.41E-03	7.59E-07	2.21E-07	2.45E-03	7.75E-07	2.25E-07	2.45E-03	7.74E-07	2.25E-07
926	490186.72, 3860985.12	2.45E-03	7.73E-07	2.25E-07	2.50E-03	7.89E-07	2.29E-07	2.50E-03	7.88E-07	2.29E-07
927	490236.72, 3860985.12	2.48E-03	7.84E-07	2.28E-07	2.53E-03	8.00E-07	2.33E-07	2.53E-03	7.99E-07	2.32E-07
928	490286.72, 3860985.12	2.52E-03	7.96E-07	2.32E-07	2.57E-03	8.13E-07	2.36E-07	2.57E-03	8.12E-07	2.36E-07
929	490336.72, 3860985.12	2.57E-03	8.10E-07	2.36E-07	2.62E-03	8.26E-07	2.40E-07	2.61E-03	8.25E-07	2.40E-07
930	490386.72, 3860985.12	2.61E-03	8.24E-07	2.40E-07	2.66E-03	8.41E-07	2.45E-07	2.66E-03	8.40E-07	2.44E-07
931	490436.72, 3860985.12	2.67E-03	8.41E-07	2.45E-07	2.72E-03	8.59E-07	2.50E-07	2.72E-03	8.58E-07	2.49E-07
932	490486.72, 3860985.12	2.71E-03	8.55E-07	2.49E-07	2.76E-03	8.73E-07	2.54E-07	2.76E-03	8.71E-07	2.53E-07
933	490536.72, 3860985.12	2.75E-03	8.68E-07	2.52E-07	2.81E-03	8.86E-07	2.58E-07	2.80E-03	8.84E-07	2.57E-07
934	490586.72, 3860985.12	2.79E-03	8.81E-07	2.56E-07	2.85E-03	8.99E-07	2.61E-07	2.84E-03	8.98E-07	2.61E-07
935	490636.72, 3860985.12	2.84E-03	8.96E-07	2.61E-07	2.90E-03	9.14E-07	2.66E-07	2.89E-03	9.13E-07	2.66E-07
936	490686.72, 3860985.12	2.88E-03	9.08E-07	2.64E-07	2.94E-03	9.27E-07	2.70E-07	2.93E-03	9.26E-07	2.69E-07
937	490736.72, 3860985.12	2.92E-03	9.21E-07	2.68E-07	2.98E-03	9.40E-07	2.73E-07	2.97E-03	9.39E-07	2.73E-07
938	490786.72, 3860985.12	2.97E-03	9.36E-07	2.72E-07	3.03E-03	9.55E-07	2.78E-07	3.02E-03	9.54E-07	2.78E-07
939	490836.72, 3860985.12	3.02E-03	9.53E-07	2.77E-07	3.08E-03	9.73E-07	2.83E-07	3.08E-03	9.72E-07	2.83E-07
940	490086.72, 3861035.12	2.26E-03	7.14E-07	2.08E-07	2.31E-03	7.29E-07	2.12E-07	2.31E-03	7.28E-07	2.12E-07
941	490136.72, 3861035.12	2.30E-03	7.25E-07	2.11E-07	2.34E-03	7.40E-07	2.15E-07	2.34E-03	7.39E-07	2.15E-07
942	490186.72, 3861035.12	2.33E-03	7.36E-07	2.14E-07	2.38E-03	7.51E-07	2.18E-07	2.38E-03	7.50E-07	2.18E-07
943	490236.72, 3861035.12	2.37E-03	7.48E-07	2.17E-07	2.42E-03	7.63E-07	2.22E-07	2.41E-03	7.62E-07	2.22E-07
944	490286.72, 3861035.12	2.40E-03	7.58E-07	2.20E-07	2.45E-03	7.73E-07	2.25E-07	2.45E-03	7.72E-07	2.25E-07
945	490336.72, 3861035.12	2.43E-03	7.68E-07	2.24E-07	2.48E-03	7.84E-07	2.28E-07	2.48E-03	7.83E-07	2.28E-07
946	490386.72, 3861035.12	2.48E-03	7.83E-07	2.28E-07	2.53E-03	7.99E-07	2.32E-07	2.53E-03	7.98E-07	2.32E-07
947	490436.72, 3861035.12	2.53E-03	7.98E-07	2.32E-07	2.58E-03	8.14E-07	2.37E-07	2.58E-03	8.13E-07	2.37E-07
948	490486.72, 3861035.12	2.57E-03	8.10E-07	2.36E-07	2.62E-03	8.27E-07	2.41E-07	2.62E-03	8.26E-07	2.40E-07
949	490536.72, 3861035.12	2.60E-03	8.22E-07	2.39E-07	2.66E-03	8.38E-07	2.44E-07	2.65E-03	8.37E-07	2.44E-07
950	490586.72, 3861035.12	2.64E-03	8.32E-07	2.42E-07	2.69E-03	8.49E-07	2.47E-07	2.69E-03	8.48E-07	2.47E-07
951	490636.72, 3861035.12	2.67E-03	8.43E-07	2.45E-07	2.73E-03	8.60E-07	2.50E-07	2.72E-03	8.59E-07	2.50E-07
952	490686.72, 3861035.12	2.71E-03	8.54E-07	2.48E-07	2.76E-03	8.71E-07	2.53E-07	2.76E-03	8.70E-07	2.53E-07
953	490736.72, 3861035.12	2.74E-03	8.65E-07	2.52E-07	2.80E-03	8.82E-07	2.57E-07	2.79E-03	8.81E-07	2.56E-07
954	490786.72, 3861035.12	2.78E-03	8.77E-07	2.55E-07	2.84E-03	8.95E-07	2.60E-07	2.83E-03	8.94E-07	2.60E-07
955	490836.72, 3861035.12	2.82E-03	8.91E-07	2.59E-07	2.88E-03	9.09E-07	2.64E-07	2.88E-03	9.08E-07	2.64E-07
956	490086.72, 3861085.12	2.16E-03	6.83E-07	1.99E-07	2.21E-03	6.97E-07	2.03E-07	2.20E-03	6.96E-07	2.02E-07
957	490136.72, 3861085.12	2.20E-03	6.94E-07	2.02E-07	2.24E-03	7.09E-07	2.06E-07	2.24E-03	7.08E-07	2.06E-07
958	490186.72, 3861085.12	2.24E-03	7.06E-07	2.05E-07	2.28E-03	7.21E-07	2.10E-07	2.28E-03	7.20E-07	2.09E-07
959	490236.72, 3861085.12	2.26E-03	7.15E-07	2.08E-07	2.31E-03	7.29E-07	2.12E-07	2.31E-03	7.28E-07	2.12E-07
960	490286.72, 3861085.12	2.29E-03	7.23E-07	2.10E-07	2.34E-03	7.38E-07	2.15E-07	2.34E-03	7.37E-07	2.14E-07
961	490336.72, 3861085.12	2.32E-03	7.32E-07	2.13E-07	2.37E-03	7.47E-07	2.17E-07	2.37E-03	7.47E-07	2.17E-07
962	490386.72, 3861085.12	2.36E-03	7.45E-07	2.17E-07	2.41E-03	7.60E-07	2.21E-07	2.41E-03	7.59E-07	2.21E-07
963	490436.72, 3861085.12	2.39E-03	7.56E-07	2.20E-07	2.44E-03	7.71E-07	2.24E-07	2.44E-03	7.70E-07	2.24E-07
964	490486.72, 3861085.12	2.43E-03	7.67E-07	2.23E-07	2.48E-03	7.82E-07	2.28E-07	2.48E-03	7.81E-07	2.27E-07
965	490536.72, 3861085.12	2.47E-03	7.79E-07	2.27E-07	2.52E-03	7.95E-07	2.31E-07	2.51E-03	7.94E-07	2.31E-07
966	490586.72, 3861085.12	2.50E-03	7.88E-07	2.29E-07	2.55E-03	8.04E-07	2.34E-07	2.54E-03	8.03E-07	2.33E-07
967	490636.72, 3861085.12	2.52E-03	7.95E-07	2.31E-07	2.57E-03	8.11E-07	2.36E-07	2.57E-03	8.10E-07	2.36E-07
968	490686.72, 3861085.12	2.55E-03	8.03E-07	2.34E-07	2.60E-03	8.20E-07	2.38E-07	2.59E-03	8.19E-07	2.38E-07
969	490736.72, 3861085.12	2.58E-03	8.13E-07	2.37E-07	2.63E-03	8.30E-07	2.41E-07	2.63E-03	8.29E-07	2.41E-07
970	490786.72, 3861085.12	2.61E-03	8.24E-07	2.40E-07	2.66E-03	8.40E-07	2.44E-07	2.66E-03	8.39E-07	2.44E-07
971	490836.72, 3861085.12	2.64E-03	8.34E-07	2.43E-07	2.70E-03	8.51E-07	2.48E-07	2.69E-03	8.50E-07	2.47E-07
972	490086.72, 3861135.12	2.07E-03	6.53E-07	1.90E-07	2.11E-03	6.67E-07	1.94E-07	2.11E-03	6.66E-07	1.94E-07

973	490136.72, 3861135.12	2.10E-03	6.63E-07	1.93E-07	2.14E-03	6.76E-07	1.97E-07	2.14E-03	6.76E-07	1.97E-07
974	490186.72, 3861135.12	2.13E-03	6.73E-07	1.96E-07	2.18E-03	6.87E-07	2.00E-07	2.17E-03	6.86E-07	2.00E-07
975	490236.72, 3861135.12	2.16E-03	6.83E-07	1.99E-07	2.21E-03	6.97E-07	2.03E-07	2.20E-03	6.96E-07	2.02E-07
976	490286.72, 3861135.12	2.19E-03	6.91E-07	2.01E-07	2.24E-03	7.06E-07	2.05E-07	2.23E-03	7.05E-07	2.05E-07
977	490336.72, 3861135.12	2.22E-03	6.99E-07	2.03E-07	2.26E-03	7.14E-07	2.08E-07	2.26E-03	7.13E-07	2.07E-07
978	490386.72, 3861135.12	2.25E-03	7.09E-07	2.06E-07	2.29E-03	7.23E-07	2.10E-07	2.29E-03	7.22E-07	2.10E-07
979	490436.72, 3861135.12	2.27E-03	7.18E-07	2.09E-07	2.32E-03	7.32E-07	2.13E-07	2.32E-03	7.31E-07	2.13E-07
980	490486.72, 3861135.12	2.30E-03	7.27E-07	2.12E-07	2.35E-03	7.42E-07	2.16E-07	2.35E-03	7.41E-07	2.16E-07
981	490536.72, 3861135.12	2.33E-03	7.36E-07	2.14E-07	2.38E-03	7.52E-07	2.19E-07	2.38E-03	7.51E-07	2.18E-07
982	490586.72, 3861135.12	2.36E-03	7.45E-07	2.17E-07	2.41E-03	7.60E-07	2.21E-07	2.40E-03	7.59E-07	2.21E-07
983	490636.72, 3861135.12	2.38E-03	7.51E-07	2.18E-07	2.43E-03	7.66E-07	2.23E-07	2.42E-03	7.65E-07	2.23E-07
984	490686.72, 3861135.12	2.40E-03	7.59E-07	2.21E-07	2.45E-03	7.74E-07	2.25E-07	2.45E-03	7.73E-07	2.25E-07
985	490736.72, 3861135.12	2.43E-03	7.68E-07	2.23E-07	2.48E-03	7.83E-07	2.28E-07	2.48E-03	7.82E-07	2.28E-07
986	490786.72, 3861135.12	2.46E-03	7.76E-07	2.26E-07	2.51E-03	7.92E-07	2.30E-07	2.51E-03	7.91E-07	2.30E-07
987	490836.72, 3861135.12	2.49E-03	7.85E-07	2.28E-07	2.54E-03	8.01E-07	2.33E-07	2.53E-03	8.00E-07	2.33E-07
988	490086.72, 3861185.12	1.98E-03	6.25E-07	1.82E-07	2.02E-03	6.38E-07	1.86E-07	2.02E-03	6.37E-07	1.85E-07
989	490136.72, 3861185.12	2.00E-03	6.32E-07	1.84E-07	2.04E-03	6.45E-07	1.88E-07	2.04E-03	6.44E-07	1.87E-07
990	490186.72, 3861185.12	2.03E-03	6.40E-07	1.86E-07	2.07E-03	6.53E-07	1.90E-07	2.07E-03	6.53E-07	1.90E-07
991	490236.72, 3861185.12	2.06E-03	6.49E-07	1.89E-07	2.10E-03	6.62E-07	1.93E-07	2.10E-03	6.62E-07	1.92E-07
992	490286.72, 3861185.12	2.09E-03	6.59E-07	1.92E-07	2.13E-03	6.73E-07	1.96E-07	2.13E-03	6.72E-07	1.95E-07
993	490336.72, 3861185.12	2.10E-03	6.64E-07	1.93E-07	2.15E-03	6.77E-07	1.97E-07	2.14E-03	6.77E-07	1.97E-07
994	490386.72, 3861185.12	2.13E-03	6.72E-07	1.96E-07	2.17E-03	6.86E-07	2.00E-07	2.17E-03	6.85E-07	1.99E-07
995	490436.72, 3861185.12	2.16E-03	6.82E-07	1.98E-07	2.20E-03	6.96E-07	2.02E-07	2.20E-03	6.95E-07	2.02E-07
996	490486.72, 3861185.12	2.18E-03	6.90E-07	2.01E-07	2.23E-03	7.04E-07	2.05E-07	2.23E-03	7.03E-07	2.04E-07
997	490536.72, 3861185.12	2.22E-03	7.00E-07	2.04E-07	2.26E-03	7.15E-07	2.08E-07	2.26E-03	7.14E-07	2.08E-07
998	490586.72, 3861185.12	2.24E-03	7.07E-07	2.06E-07	2.28E-03	7.21E-07	2.10E-07	2.28E-03	7.20E-07	2.09E-07
999	490636.72, 3861185.12	2.25E-03	7.10E-07	2.07E-07	2.30E-03	7.25E-07	2.11E-07	2.29E-03	7.24E-07	2.11E-07
1000	490686.72, 3861185.12	2.27E-03	7.17E-07	2.09E-07	2.32E-03	7.32E-07	2.13E-07	2.32E-03	7.31E-07	2.13E-07
1001	490736.72, 3861185.12	2.30E-03	7.26E-07	2.11E-07	2.35E-03	7.41E-07	2.16E-07	2.35E-03	7.40E-07	2.15E-07
1002	490786.72, 3861185.12	2.33E-03	7.35E-07	2.14E-07	2.38E-03	7.50E-07	2.18E-07	2.37E-03	7.49E-07	2.18E-07
1003	490836.72, 3861185.12	2.35E-03	7.43E-07	2.16E-07	2.40E-03	7.58E-07	2.20E-07	2.40E-03	7.57E-07	2.20E-07
1004	490086.72, 3861235.12	1.90E-03	5.99E-07	1.74E-07	1.94E-03	6.11E-07	1.78E-07	1.93E-03	6.10E-07	1.77E-07
1005	490136.72, 3861235.12	1.92E-03	6.05E-07	1.76E-07	1.96E-03	6.17E-07	1.79E-07	1.95E-03	6.16E-07	1.79E-07
1006	490186.72, 3861235.12	1.94E-03	6.12E-07	1.78E-07	1.98E-03	6.25E-07	1.82E-07	1.98E-03	6.24E-07	1.82E-07
1007	490236.72, 3861235.12	1.96E-03	6.18E-07	1.80E-07	2.00E-03	6.31E-07	1.83E-07	2.00E-03	6.30E-07	1.83E-07
1008	490386.72, 3861235.12	2.02E-03	6.38E-07	1.86E-07	2.06E-03	6.51E-07	1.89E-07	2.06E-03	6.50E-07	1.89E-07
1009	490436.72, 3861235.12	2.04E-03	6.44E-07	1.87E-07	2.08E-03	6.58E-07	1.91E-07	2.08E-03	6.57E-07	1.91E-07
1010	490486.72, 3861235.12	2.06E-03	6.51E-07	1.89E-07	2.11E-03	6.65E-07	1.93E-07	2.10E-03	6.64E-07	1.93E-07
1011	490536.72, 3861235.12	2.10E-03	6.63E-07	1.93E-07	2.14E-03	6.77E-07	1.97E-07	2.14E-03	6.76E-07	1.97E-07
1012	490586.72, 3861235.12	2.13E-03	6.73E-07	1.96E-07	2.18E-03	6.87E-07	2.00E-07	2.17E-03	6.86E-07	1.99E-07
1013	490636.72, 3861235.12	2.13E-03	6.73E-07	1.96E-07	2.18E-03	6.87E-07	2.00E-07	2.17E-03	6.86E-07	2.00E-07
1014	490686.72, 3861235.12	2.15E-03	6.80E-07	1.98E-07	2.20E-03	6.94E-07	2.02E-07	2.20E-03	6.93E-07	2.02E-07
1015	490736.72, 3861235.12	2.18E-03	6.89E-07	2.00E-07	2.23E-03	7.03E-07	2.04E-07	2.22E-03	7.02E-07	2.04E-07
1016	490786.72, 3861235.12	2.21E-03	6.98E-07	2.03E-07	2.26E-03	7.12E-07	2.07E-07	2.25E-03	7.11E-07	2.07E-07
1017	490836.72, 3861235.12	2.23E-03	7.05E-07	2.05E-07	2.28E-03	7.19E-07	2.09E-07	2.28E-03	7.18E-07	2.09E-07
1018	490086.72, 3861285.12	1.82E-03	5.75E-07	1.67E-07	1.86E-03	5.87E-07	1.71E-07	1.86E-03	5.86E-07	1.71E-07
1019	490136.72, 3861285.12	1.85E-03	5.83E-07	1.69E-07	1.88E-03	5.95E-07	1.73E-07	1.88E-03	5.94E-07	1.73E-07
1020	490186.72, 3861285.12	1.86E-03	5.87E-07	1.71E-07	1.90E-03	5.99E-07	1.74E-07	1.89E-03	5.98E-07	1.74E-07
1021	490236.72, 3861285.12	1.87E-03	5.92E-07	1.72E-07	1.91E-03	6.04E-07	1.76E-07	1.91E-03	6.03E-07	1.75E-07
1022	490386.72, 3861285.12	1.93E-03	6.09E-07	1.77E-07	1.97E-03	6.21E-07	1.81E-07	1.97E-03	6.20E-07	1.80E-07
1023	490436.72, 3861285.12	1.95E-03	6.15E-07	1.79E-07	1.99E-03	6.28E-07	1.83E-07	1.99E-03	6.27E-07	1.82E-07
1024	490486.72, 3861285.12	1.97E-03	6.21E-07	1.81E-07	2.01E-03	6.33E-07	1.84E-07	2.00E-03	6.33E-07	1.84E-07
1025	490536.72, 3861285.12	1.99E-03	6.27E-07	1.82E-07	2.03E-03	6.40E-07	1.86E-07	2.03E-03	6.39E-07	1.86E-07
1026	490586.72, 3861285.12	2.01E-03	6.35E-07	1.85E-07	2.05E-03	6.48E-07	1.89E-07	2.05E-03	6.47E-07	1.88E-07
1027	490636.72, 3861285.12	2.02E-03	6.39E-07	1.86E-07	2.06E-03	6.52E-07	1.90E-07	2.06E-03	6.51E-07	1.89E-07
1028	490686.72, 3861285.12	2.04E-03	6.45E-07	1.88E-07	2.09E-03	6.59E-07	1.92E-07	2.08E-03	6.58E-07	1.91E-07
1029	490736.72, 3861285.12	2.08E-03	6.56E-07	1.91E-07	2.12E-03	6.69E-07	1.95E-07	2.12E-03	6.68E-07	1.94E-07
1030	490786.72, 3861285.12	2.10E-03	6.62E-07	1.93E-07	2.14E-03	6.76E-07	1.97E-07	2.14E-03	6.75E-07	1.96E-07
1031	490836.72, 3861285.12	2.11E-03	6.67E-07	1.94E-07	2.16E-03	6.81E-07	1.98E-07	2.16E-03	6.80E-07	1.98E-07
1032	490061.24, 3859716.13	2.21E-02	6.98E-06	2.03E-06	2.26E-02	7.13E-06	2.07E-06	2.26E-02	7.12E-06	2.07E-06
1033	490111.24, 3859716.13	2.53E-02	7.98E-06	2.32E-06	2.58E-02	8.15E-06	2.37E-06	2.58E-02	8.14E-06	2.37E-06

1034	490161.24, 3859716.13	2.93E-02	9.24E-06	2.69E-06	2.99E-02	9.43E-06	2.74E-06	2.98E-02	9.42E-06	2.74E-06
1035	490211.24, 3859716.13	3.44E-02	1.09E-05	3.16E-06	3.51E-02	1.11E-05	3.23E-06	3.51E-02	1.11E-05	3.22E-06
1036	490061.24, 3859766.13	1.74E-02	5.50E-06	1.60E-06	1.78E-02	5.62E-06	1.63E-06	1.78E-02	5.61E-06	1.63E-06
1037	490111.24, 3859766.13	1.92E-02	6.07E-06	1.76E-06	1.96E-02	6.19E-06	1.80E-06	1.96E-02	6.18E-06	1.80E-06
1038	490161.24, 3859766.13	2.13E-02	6.72E-06	1.95E-06	2.17E-02	6.85E-06	1.99E-06	2.17E-02	6.85E-06	1.99E-06
1039	490211.24, 3859766.13	2.39E-02	7.53E-06	2.19E-06	2.43E-02	7.68E-06	2.24E-06	2.43E-02	7.68E-06	2.23E-06
1040	490061.24, 3859816.13	1.44E-02	4.53E-06	1.32E-06	1.47E-02	4.63E-06	1.35E-06	1.46E-02	4.62E-06	1.34E-06
1041	490111.24, 3859816.13	1.55E-02	4.89E-06	1.42E-06	1.58E-02	4.99E-06	1.45E-06	1.58E-02	4.99E-06	1.45E-06
1042	490161.24, 3859816.13	1.68E-02	5.31E-06	1.54E-06	1.72E-02	5.42E-06	1.58E-06	1.71E-02	5.41E-06	1.57E-06
1043	490211.24, 3859816.13	1.83E-02	5.79E-06	1.68E-06	1.87E-02	5.90E-06	1.72E-06	1.87E-02	5.90E-06	1.72E-06
1044	490061.24, 3859866.13	1.22E-02	3.85E-06	1.12E-06	1.24E-02	3.93E-06	1.14E-06	1.24E-02	3.92E-06	1.14E-06
1045	490111.24, 3859866.13	1.30E-02	4.11E-06	1.20E-06	1.33E-02	4.19E-06	1.22E-06	1.33E-02	4.19E-06	1.22E-06
1046	490161.24, 3859866.13	1.40E-02	4.41E-06	1.28E-06	1.42E-02	4.50E-06	1.31E-06	1.42E-02	4.49E-06	1.31E-06
1047	490211.24, 3859866.13	1.50E-02	4.74E-06	1.38E-06	1.53E-02	4.83E-06	1.41E-06	1.53E-02	4.83E-06	1.40E-06
1048	490061.24, 3859916.13	1.06E-02	3.33E-06	9.70E-07	1.08E-02	3.40E-06	9.90E-07	1.08E-02	3.40E-06	9.88E-07
1049	490111.24, 3859916.13	1.12E-02	3.54E-06	1.03E-06	1.14E-02	3.61E-06	1.05E-06	1.14E-02	3.61E-06	1.05E-06
1050	490161.24, 3859916.13	1.19E-02	3.76E-06	1.09E-06	1.21E-02	3.83E-06	1.12E-06	1.21E-02	3.83E-06	1.11E-06
1051	490211.24, 3859916.13	1.26E-02	3.99E-06	1.16E-06	1.29E-02	4.07E-06	1.18E-06	1.29E-02	4.07E-06	1.18E-06
1052	490229.25, 3859815.26	1.91E-02	6.03E-06	1.75E-06	1.95E-02	6.15E-06	1.79E-06	1.95E-02	6.14E-06	1.79E-06
1053	490279.25, 3859815.26	2.10E-02	6.61E-06	1.92E-06	2.14E-02	6.75E-06	1.96E-06	2.14E-02	6.74E-06	1.96E-06
1054	490329.25, 3859815.26	2.32E-02	7.32E-06	2.13E-06	2.37E-02	7.47E-06	2.17E-06	2.36E-02	7.46E-06	2.17E-06
1055	490379.25, 3859815.26	2.64E-02	8.32E-06	2.42E-06	2.69E-02	8.49E-06	2.47E-06	2.69E-02	8.48E-06	2.47E-06
1056	490429.25, 3859815.26	3.10E-02	9.77E-06	2.84E-06	3.16E-02	9.97E-06	2.90E-06	3.15E-02	9.96E-06	2.90E-06
1057	490229.25, 3859865.26	1.55E-02	4.88E-06	1.42E-06	1.58E-02	4.98E-06	1.45E-06	1.58E-02	4.98E-06	1.45E-06
1058	490279.25, 3859865.26	1.67E-02	5.26E-06	1.53E-06	1.70E-02	5.37E-06	1.56E-06	1.70E-02	5.36E-06	1.56E-06
1059	490329.25, 3859865.26	1.80E-02	5.69E-06	1.65E-06	1.84E-02	5.80E-06	1.69E-06	1.84E-02	5.79E-06	1.69E-06
1060	490379.25, 3859865.26	1.97E-02	6.22E-06	1.81E-06	2.01E-02	6.35E-06	1.85E-06	2.01E-02	6.34E-06	1.85E-06
1061	490429.25, 3859865.26	2.19E-02	6.91E-06	2.01E-06	2.23E-02	7.05E-06	2.05E-06	2.23E-02	7.04E-06	2.05E-06
1062	490229.25, 3859915.26	1.30E-02	4.10E-06	1.19E-06	1.32E-02	4.18E-06	1.22E-06	1.32E-02	4.18E-06	1.21E-06
1063	490279.25, 3859915.26	1.38E-02	4.35E-06	1.27E-06	1.41E-02	4.44E-06	1.29E-06	1.40E-02	4.43E-06	1.29E-06
1064	490329.25, 3859915.26	1.47E-02	4.65E-06	1.35E-06	1.50E-02	4.74E-06	1.38E-06	1.50E-02	4.74E-06	1.38E-06
1065	490379.25, 3859915.26	1.58E-02	5.00E-06	1.45E-06	1.62E-02	5.10E-06	1.48E-06	1.61E-02	5.09E-06	1.48E-06
1066	490429.25, 3859915.26	1.71E-02	5.39E-06	1.57E-06	1.74E-02	5.50E-06	1.60E-06	1.74E-02	5.49E-06	1.60E-06
1067	490451.43, 3859872.59	2.20E-02	6.94E-06	2.02E-06	2.24E-02	7.08E-06	2.06E-06	2.24E-02	7.07E-06	2.06E-06
1068	490501.43, 3859872.59	2.50E-02	7.88E-06	2.29E-06	2.55E-02	8.04E-06	2.34E-06	2.54E-02	8.03E-06	2.34E-06
1069	490551.43, 3859872.59	2.93E-02	9.26E-06	2.69E-06	2.99E-02	9.45E-06	2.75E-06	2.99E-02	9.43E-06	2.74E-06
1070	490601.43, 3859872.59	3.53E-02	1.11E-05	3.24E-06	3.60E-02	1.14E-05	3.31E-06	3.60E-02	1.14E-05	3.30E-06
1071	490451.43, 3859922.59	1.72E-02	5.42E-06	1.58E-06	1.75E-02	5.53E-06	1.61E-06	1.75E-02	5.52E-06	1.61E-06
1072	490501.43, 3859922.59	1.88E-02	5.93E-06	1.73E-06	1.92E-02	6.05E-06	1.76E-06	1.92E-02	6.05E-06	1.76E-06
1073	490551.43, 3859922.59	2.11E-02	6.65E-06	1.93E-06	2.15E-02	6.78E-06	1.97E-06	2.15E-02	6.78E-06	1.97E-06
1074	490601.43, 3859922.59	2.41E-02	7.59E-06	2.21E-06	2.46E-02	7.75E-06	2.25E-06	2.45E-02	7.74E-06	2.25E-06
1075	482129.67, 3852241.07	3.62E-02	1.14E-05	3.32E-06	3.69E-02	1.17E-05	3.39E-06	3.69E-02	1.16E-05	3.39E-06
1076	482029.67, 3852291.07	5.89E-02	1.86E-05	5.40E-06	6.01E-02	1.90E-05	5.52E-06	6.00E-02	1.89E-05	5.51E-06
1077	482079.67, 3852291.07	4.84E-02	1.53E-05	4.44E-06	4.94E-02	1.56E-05	4.53E-06	4.93E-02	1.56E-05	4.53E-06
1078	482129.67, 3852291.07	4.11E-02	1.30E-05	3.77E-06	4.19E-02	1.32E-05	3.85E-06	4.19E-02	1.32E-05	3.85E-06
1079	482179.67, 3852291.07	3.54E-02	1.12E-05	3.25E-06	3.61E-02	1.14E-05	3.32E-06	3.61E-02	1.14E-05	3.31E-06
1080	482229.67, 3852291.07	3.05E-02	9.61E-06	2.80E-06	3.11E-02	9.81E-06	2.85E-06	3.10E-02	9.80E-06	2.85E-06
1081	482029.67, 3852341.07	7.40E-02	2.34E-05	6.80E-06	7.55E-02	2.38E-05	6.94E-06	7.55E-02	2.38E-05	6.93E-06
1082	482079.67, 3852341.07	5.83E-02	1.84E-05	5.35E-06	5.95E-02	1.88E-05	5.46E-06	5.94E-02	1.88E-05	5.46E-06
1083	482129.67, 3852341.07	4.80E-02	1.51E-05	4.40E-06	4.90E-02	1.54E-05	4.49E-06	4.89E-02	1.54E-05	4.49E-06
1084	482179.67, 3852341.07	4.06E-02	1.28E-05	3.73E-06	4.15E-02	1.31E-05	3.81E-06	4.14E-02	1.31E-05	3.80E-06
1085	482259.06, 3852400.14	3.85E-02	1.21E-05	3.53E-06	3.93E-02	1.24E-05	3.60E-06	3.92E-02	1.24E-05	3.60E-06
1086	482309.06, 3852400.14	3.29E-02	1.04E-05	3.02E-06	3.36E-02	1.06E-05	3.08E-06	3.35E-02	1.06E-05	3.08E-06
1087	482209.06, 3852450.14	5.20E-02	1.64E-05	4.78E-06	5.31E-02	1.68E-05	4.87E-06	5.30E-02	1.67E-05	4.87E-06
1088	482259.06, 3852450.14	4.42E-02	1.39E-05	4.05E-06	4.51E-02	1.42E-05	4.14E-06	4.50E-02	1.42E-05	4.13E-06
1089	482309.06, 3852450.14	3.79E-02	1.19E-05	3.48E-06	3.86E-02	1.22E-05	3.55E-06	3.86E-02	1.22E-05	3.54E-06
1090	482209.06, 3852500.14	6.30E-02	1.99E-05	5.78E-06	6.43E-02	2.03E-05	5.90E-06	6.42E-02	2.03E-05	5.89E-06
1091	482259.06, 3852500.14	5.21E-02	1.65E-05	4.79E-06	5.32E-02	1.68E-05	4.88E-06	5.31E-02	1.68E-05	4.88E-06
1092	482309.06, 3852500.14	4.37E-02	1.38E-05	4.01E-06	4.46E-02	1.41E-05	4.09E-06	4.45E-02	1.41E-05	4.09E-06
1093	482283.91, 3852513.62	4.99E-02	1.58E-05	4.58E-06	5.10E-02	1.61E-05	4.68E-06	5.09E-02	1.61E-05	4.67E-06
1094	482333.91, 3852513.62	4.21E-02	1.33E-05	3.86E-06	4.30E-02	1.36E-05	3.94E-06	4.29E-02	1.35E-05	3.94E-06

1095	482283.91, 3852563.62	5.98E-02	1.89E-05	5.49E-06	6.10E-02	1.93E-05	5.60E-06	6.09E-02	1.92E-05	5.59E-06
1096	482333.91, 3852563.62	4.95E-02	1.56E-05	4.54E-06	5.05E-02	1.59E-05	4.64E-06	5.04E-02	1.59E-05	4.63E-06
1097	482383.91, 3852563.62	4.19E-02	1.32E-05	3.85E-06	4.28E-02	1.35E-05	3.93E-06	4.27E-02	1.35E-05	3.92E-06
1098	482283.91, 3852613.62	7.70E-02	2.43E-05	7.07E-06	7.85E-02	2.48E-05	7.21E-06	7.84E-02	2.48E-05	7.20E-06
1099	482333.91, 3852613.62	5.97E-02	1.88E-05	5.48E-06	6.09E-02	1.92E-05	5.59E-06	6.08E-02	1.92E-05	5.58E-06
1100	482383.91, 3852613.62	4.89E-02	1.54E-05	4.49E-06	4.99E-02	1.58E-05	4.58E-06	4.99E-02	1.57E-05	4.58E-06
1101	482602.38, 3852600.87	2.54E-02	8.03E-06	2.34E-06	2.60E-02	8.20E-06	2.38E-06	2.59E-02	8.19E-06	2.38E-06
1102	482652.38, 3852600.87	2.32E-02	7.32E-06	2.13E-06	2.37E-02	7.47E-06	2.17E-06	2.36E-02	7.46E-06	2.17E-06
1103	482702.38, 3852600.87	2.04E-02	6.45E-06	1.88E-06	2.09E-02	6.58E-06	1.91E-06	2.08E-02	6.57E-06	1.91E-06
1104	482552.38, 3852650.87	3.28E-02	1.03E-05	3.01E-06	3.35E-02	1.06E-05	3.07E-06	3.34E-02	1.05E-05	3.07E-06
1105	482602.38, 3852650.87	2.84E-02	8.96E-06	2.61E-06	2.90E-02	9.15E-06	2.66E-06	2.89E-02	9.14E-06	2.66E-06
1106	482652.38, 3852650.87	2.57E-02	8.11E-06	2.36E-06	2.62E-02	8.28E-06	2.41E-06	2.62E-02	8.27E-06	2.40E-06
1107	482702.38, 3852650.87	2.35E-02	7.41E-06	2.16E-06	2.40E-02	7.56E-06	2.20E-06	2.39E-02	7.55E-06	2.20E-06
1108	482552.38, 3852700.87	3.71E-02	1.17E-05	3.41E-06	3.79E-02	1.20E-05	3.48E-06	3.78E-02	1.19E-05	3.47E-06
1109	482602.38, 3852700.87	3.27E-02	1.03E-05	3.01E-06	3.34E-02	1.05E-05	3.07E-06	3.34E-02	1.05E-05	3.06E-06
1110	482652.38, 3852700.87	2.96E-02	9.35E-06	2.72E-06	3.02E-02	9.54E-06	2.78E-06	3.02E-02	9.53E-06	2.77E-06
1111	482702.38, 3852700.87	2.66E-02	8.41E-06	2.45E-06	2.72E-02	8.58E-06	2.50E-06	2.72E-02	8.57E-06	2.49E-06
1112	482452.38, 3852750.87	6.41E-02	2.02E-05	5.89E-06	6.54E-02	2.07E-05	6.01E-06	6.54E-02	2.06E-05	6.00E-06
1113	482521.29, 3852749.74	4.77E-02	1.50E-05	4.38E-06	4.86E-02	1.54E-05	4.47E-06	4.86E-02	1.53E-05	4.46E-06
1114	482571.29, 3852749.74	4.04E-02	1.27E-05	3.71E-06	4.12E-02	1.30E-05	3.78E-06	4.12E-02	1.30E-05	3.78E-06
1115	482521.29, 3852799.74	5.77E-02	1.82E-05	5.30E-06	5.89E-02	1.86E-05	5.40E-06	5.88E-02	1.86E-05	5.40E-06
1116	482571.29, 3852799.74	4.73E-02	1.49E-05	4.34E-06	4.83E-02	1.52E-05	4.43E-06	4.82E-02	1.52E-05	4.42E-06
1117	482621.29, 3852799.74	4.01E-02	1.27E-05	3.68E-06	4.09E-02	1.29E-05	3.76E-06	4.09E-02	1.29E-05	3.75E-06
1118	482571.29, 3852849.74	5.70E-02	1.80E-05	5.23E-06	5.81E-02	1.83E-05	5.34E-06	5.80E-02	1.83E-05	5.33E-06
1119	482621.29, 3852849.74	4.67E-02	1.47E-05	4.29E-06	4.77E-02	1.50E-05	4.38E-06	4.76E-02	1.50E-05	4.37E-06
1120	482577.42, 3852901.55	7.00E-02	2.21E-05	6.43E-06	7.15E-02	2.26E-05	6.56E-06	7.14E-02	2.25E-05	6.55E-06
1121	482627.42, 3852901.55	5.51E-02	1.74E-05	5.05E-06	5.62E-02	1.77E-05	5.16E-06	5.61E-02	1.77E-05	5.15E-06
1122	482629.96, 3852955.85	6.83E-02	2.15E-05	6.27E-06	6.96E-02	2.20E-05	6.39E-06	6.96E-02	2.20E-05	6.39E-06
1123	482679.96, 3852955.85	5.32E-02	1.68E-05	4.89E-06	5.43E-02	1.71E-05	4.99E-06	5.43E-02	1.71E-05	4.98E-06
1124	482781.63, 3853034.48	4.31E-02	1.36E-05	3.96E-06	4.40E-02	1.39E-05	4.04E-06	4.40E-02	1.39E-05	4.03E-06
1125	482831.63, 3853034.48	3.60E-02	1.14E-05	3.31E-06	3.67E-02	1.16E-05	3.37E-06	3.67E-02	1.16E-05	3.37E-06
1126	482881.63, 3853034.48	3.07E-02	9.68E-06	2.82E-06	3.13E-02	9.88E-06	2.87E-06	3.13E-02	9.87E-06	2.87E-06
1127	482781.63, 3853084.48	4.75E-02	1.50E-05	4.36E-06	4.85E-02	1.53E-05	4.45E-06	4.84E-02	1.53E-05	4.44E-06
1128	482831.63, 3853084.48	3.90E-02	1.23E-05	3.58E-06	3.98E-02	1.26E-05	3.65E-06	3.97E-02	1.25E-05	3.65E-06
1129	482881.63, 3853084.48	3.31E-02	1.04E-05	3.04E-06	3.38E-02	1.07E-05	3.10E-06	3.37E-02	1.06E-05	3.10E-06
1130	482781.63, 3853134.48	5.31E-02	1.68E-05	4.87E-06	5.42E-02	1.71E-05	4.97E-06	5.41E-02	1.71E-05	4.97E-06
1131	482831.63, 3853134.48	4.26E-02	1.34E-05	3.91E-06	4.34E-02	1.37E-05	3.99E-06	4.34E-02	1.37E-05	3.98E-06
1132	482881.63, 3853134.48	3.58E-02	1.13E-05	3.29E-06	3.65E-02	1.15E-05	3.35E-06	3.65E-02	1.15E-05	3.35E-06
1133	482831.63, 3853184.48	4.72E-02	1.49E-05	4.33E-06	4.82E-02	1.52E-05	4.42E-06	4.81E-02	1.52E-05	4.42E-06
1134	482881.63, 3853184.48	3.88E-02	1.22E-05	3.56E-06	3.95E-02	1.25E-05	3.63E-06	3.95E-02	1.25E-05	3.63E-06
1135	484154.84, 3854250.98	1.91E-03	6.02E-07	1.75E-07	1.95E-03	6.14E-07	1.79E-07	1.94E-03	6.13E-07	1.78E-07
1136	484204.84, 3854250.98	1.89E-03	5.96E-07	1.73E-07	1.93E-03	6.08E-07	1.77E-07	1.92E-03	6.07E-07	1.77E-07
1137	484154.84, 3854300.98	1.80E-03	5.69E-07	1.65E-07	1.84E-03	5.80E-07	1.69E-07	1.84E-03	5.79E-07	1.69E-07
1138	484204.84, 3854300.98	1.80E-03	5.67E-07	1.65E-07	1.83E-03	5.78E-07	1.68E-07	1.83E-03	5.77E-07	1.68E-07
1139	484074.19, 3854519.8	1.51E-03	4.76E-07	1.38E-07	1.54E-03	4.86E-07	1.41E-07	1.54E-03	4.85E-07	1.41E-07
1140	484124.19, 3854519.8	1.50E-03	4.72E-07	1.37E-07	1.53E-03	4.82E-07	1.40E-07	1.52E-03	4.81E-07	1.40E-07
1141	484074.19, 3854569.8	1.45E-03	4.58E-07	1.33E-07	1.48E-03	4.67E-07	1.36E-07	1.48E-03	4.67E-07	1.36E-07
1142	484124.19, 3854569.8	1.43E-03	4.51E-07	1.31E-07	1.46E-03	4.60E-07	1.34E-07	1.46E-03	4.60E-07	1.34E-07
1143	485205.11, 3855188.89	1.21E-03	3.81E-07	1.11E-07	1.23E-03	3.89E-07	1.13E-07	1.23E-03	3.89E-07	1.13E-07
1144	485255.11, 3855188.89	1.19E-03	3.76E-07	1.09E-07	1.22E-03	3.84E-07	1.12E-07	1.21E-03	3.83E-07	1.11E-07
1145	485205.11, 3855238.89	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.83E-07	1.11E-07	1.21E-03	3.82E-07	1.11E-07
1146	485255.11, 3855238.89	1.18E-03	3.73E-07	1.08E-07	1.20E-03	3.80E-07	1.11E-07	1.20E-03	3.80E-07	1.10E-07
1147	485205.11, 3855288.89	1.19E-03	3.76E-07	1.09E-07	1.22E-03	3.84E-07	1.12E-07	1.21E-03	3.83E-07	1.11E-07
1148	485255.11, 3855288.89	1.18E-03	3.73E-07	1.08E-07	1.20E-03	3.80E-07	1.11E-07	1.20E-03	3.80E-07	1.10E-07
1149	485255.11, 3855338.89	1.18E-03	3.72E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.79E-07	1.10E-07
1150	485305.11, 3855338.89	1.17E-03	3.69E-07	1.07E-07	1.19E-03	3.76E-07	1.09E-07	1.19E-03	3.76E-07	1.09E-07
1151	485852.5, 3855635.28	1.05E-03	3.33E-07	9.67E-08	1.08E-03	3.39E-07	9.87E-08	1.07E-03	3.39E-07	9.86E-08
1152	485902.5, 3855635.28	1.04E-03	3.29E-07	9.58E-08	1.07E-03	3.36E-07	9.78E-08	1.06E-03	3.36E-07	9.77E-08
1153	485852.5, 3855685.28	1.05E-03	3.30E-07	9.61E-08	1.07E-03	3.37E-07	9.80E-08	1.07E-03	3.37E-07	9.79E-08
1154	485902.5, 3855685.28	1.04E-03	3.27E-07	9.52E-08	1.06E-03	3.34E-07	9.71E-08	1.06E-03	3.33E-07	9.70E-08
1155	485852.5, 3855735.28	1.04E-03	3.28E-07	9.54E-08	1.06E-03	3.35E-07	9.73E-08	1.06E-03	3.34E-07	9.72E-08

1156	485902.5, 3855735.28	1.03E-03	3.26E-07	9.48E-08	1.05E-03	3.32E-07	9.67E-08	1.05E-03	3.32E-07	9.66E-08
1157	485852.5, 3855785.28	1.03E-03	3.26E-07	9.49E-08	1.05E-03	3.33E-07	9.68E-08	1.05E-03	3.32E-07	9.67E-08
1158	485902.5, 3855785.28	1.02E-03	3.23E-07	9.41E-08	1.05E-03	3.30E-07	9.60E-08	1.04E-03	3.30E-07	9.59E-08
1159	486809.46, 3856465.28	8.94E-04	2.82E-07	8.20E-08	9.12E-04	2.88E-07	8.37E-08	9.11E-04	2.87E-07	8.36E-08
1160	486859.46, 3856465.28	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
1161	486909.46, 3856465.28	8.89E-04	2.81E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08
1162	486809.46, 3856515.28	8.95E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
1163	486859.46, 3856515.28	8.94E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.11E-04	2.88E-07	8.37E-08
1164	486909.46, 3856515.28	8.93E-04	2.82E-07	8.19E-08	9.11E-04	2.87E-07	8.36E-08	9.10E-04	2.87E-07	8.35E-08
1165	486980.94, 3856357.95	8.85E-04	2.79E-07	8.13E-08	9.03E-04	2.85E-07	8.29E-08	9.02E-04	2.85E-07	8.28E-08
1166	487030.94, 3856357.95	8.85E-04	2.79E-07	8.12E-08	9.03E-04	2.85E-07	8.29E-08	9.02E-04	2.85E-07	8.28E-08
1167	486980.94, 3856407.95	8.86E-04	2.80E-07	8.13E-08	9.04E-04	2.85E-07	8.30E-08	9.03E-04	2.85E-07	8.29E-08
1168	487030.94, 3856407.95	8.84E-04	2.79E-07	8.12E-08	9.02E-04	2.85E-07	8.28E-08	9.01E-04	2.84E-07	8.27E-08
1169	487447.18, 3856437.45	8.88E-04	2.80E-07	8.15E-08	9.06E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
1170	487497.18, 3856437.45	8.90E-04	2.81E-07	8.17E-08	9.08E-04	2.87E-07	8.34E-08	9.07E-04	2.86E-07	8.33E-08
1171	487547.18, 3856437.45	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
1172	487447.18, 3856487.45	8.87E-04	2.80E-07	8.14E-08	9.05E-04	2.86E-07	8.31E-08	9.04E-04	2.85E-07	8.30E-08
1173	487497.18, 3856487.45	8.88E-04	2.80E-07	8.16E-08	9.07E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
1174	487547.18, 3856487.45	8.91E-04	2.81E-07	8.18E-08	9.09E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
1175	487447.18, 3856537.45	8.86E-04	2.80E-07	8.14E-08	9.04E-04	2.85E-07	8.30E-08	9.03E-04	2.85E-07	8.29E-08
1176	487497.18, 3856537.45	8.88E-04	2.80E-07	8.15E-08	9.06E-04	2.86E-07	8.31E-08	9.05E-04	2.86E-07	8.30E-08
1177	487547.18, 3856537.45	8.90E-04	2.81E-07	8.17E-08	9.09E-04	2.87E-07	8.34E-08	9.08E-04	2.86E-07	8.33E-08
1178	489285.89, 3858826.54	1.16E-02	3.67E-06	1.07E-06	1.19E-02	3.74E-06	1.09E-06	1.18E-02	3.74E-06	1.09E-06
1179	489335.89, 3858826.54	1.13E-02	3.56E-06	1.04E-06	1.15E-02	3.63E-06	1.06E-06	1.15E-02	3.63E-06	1.06E-06
1180	489385.89, 3858826.54	1.09E-02	3.45E-06	1.00E-06	1.11E-02	3.52E-06	1.02E-06	1.11E-02	3.51E-06	1.02E-06
1181	489435.89, 3858826.54	1.06E-02	3.34E-06	9.72E-07	1.08E-02	3.41E-06	9.91E-07	1.08E-02	3.40E-06	9.90E-07
1182	489485.89, 3858826.54	1.03E-02	3.24E-06	9.41E-07	1.05E-02	3.30E-06	9.60E-07	1.04E-02	3.30E-06	9.59E-07
1183	489535.89, 3858826.54	9.93E-03	3.13E-06	9.12E-07	1.01E-02	3.20E-06	9.30E-07	1.01E-02	3.20E-06	9.29E-07
1184	489585.89, 3858826.54	9.63E-03	3.04E-06	8.84E-07	9.83E-03	3.10E-06	9.02E-07	9.82E-03	3.10E-06	9.01E-07
1185	489635.89, 3858826.54	9.34E-03	2.95E-06	8.57E-07	9.53E-03	3.01E-06	8.75E-07	9.52E-03	3.00E-06	8.74E-07
1186	489685.89, 3858826.54	9.06E-03	2.86E-06	8.32E-07	9.25E-03	2.92E-06	8.49E-07	9.23E-03	2.91E-06	8.48E-07
1187	489735.89, 3858826.54	8.80E-03	2.78E-06	8.08E-07	8.98E-03	2.83E-06	8.25E-07	8.97E-03	2.83E-06	8.24E-07
1188	489785.89, 3858826.54	8.57E-03	2.71E-06	7.87E-07	8.75E-03	2.76E-06	8.03E-07	8.74E-03	2.76E-06	8.02E-07
1189	489835.89, 3858826.54	8.33E-03	2.63E-06	7.65E-07	8.51E-03	2.68E-06	7.81E-07	8.50E-03	2.68E-06	7.80E-07
1190	489885.89, 3858826.54	8.14E-03	2.57E-06	7.47E-07	8.30E-03	2.62E-06	7.62E-07	8.29E-03	2.62E-06	7.61E-07
1191	489935.89, 3858826.54	7.93E-03	2.50E-06	7.28E-07	8.09E-03	2.55E-06	7.43E-07	8.08E-03	2.55E-06	7.42E-07
1192	489985.89, 3858826.54	7.72E-03	2.44E-06	7.09E-07	7.88E-03	2.49E-06	7.23E-07	7.87E-03	2.48E-06	7.22E-07
1193	490035.89, 3858826.54	7.43E-03	2.35E-06	6.83E-07	7.59E-03	2.39E-06	6.96E-07	7.58E-03	2.39E-06	6.96E-07
1194	489285.89, 3858876.54	1.66E-02	5.23E-06	1.52E-06	1.69E-02	5.33E-06	1.55E-06	1.69E-02	5.33E-06	1.55E-06
1195	489335.89, 3858876.54	1.55E-02	4.91E-06	1.43E-06	1.59E-02	5.01E-06	1.46E-06	1.58E-02	5.00E-06	1.45E-06
1196	489385.89, 3858876.54	1.47E-02	4.63E-06	1.35E-06	1.50E-02	4.72E-06	1.37E-06	1.49E-02	4.72E-06	1.37E-06
1197	489435.89, 3858876.54	1.39E-02	4.38E-06	1.27E-06	1.42E-02	4.47E-06	1.30E-06	1.41E-02	4.46E-06	1.30E-06
1198	489485.89, 3858876.54	1.32E-02	4.16E-06	1.21E-06	1.35E-02	4.25E-06	1.24E-06	1.34E-02	4.24E-06	1.23E-06
1199	489535.89, 3858876.54	1.26E-02	3.96E-06	1.15E-06	1.28E-02	4.05E-06	1.18E-06	1.28E-02	4.04E-06	1.18E-06
1200	489585.89, 3858876.54	1.20E-02	3.78E-06	1.10E-06	1.22E-02	3.86E-06	1.12E-06	1.22E-02	3.85E-06	1.12E-06
1201	489635.89, 3858876.54	1.15E-02	3.62E-06	1.05E-06	1.17E-02	3.70E-06	1.08E-06	1.17E-02	3.69E-06	1.07E-06
1202	489685.89, 3858876.54	1.10E-02	3.48E-06	1.01E-06	1.12E-02	3.55E-06	1.03E-06	1.12E-02	3.54E-06	1.03E-06
1203	489735.89, 3858876.54	1.06E-02	3.34E-06	9.72E-07	1.08E-02	3.41E-06	9.92E-07	1.08E-02	3.41E-06	9.91E-07
1204	489785.89, 3858876.54	1.02E-02	3.23E-06	9.38E-07	1.04E-02	3.29E-06	9.58E-07	1.04E-02	3.29E-06	9.56E-07
1205	489835.89, 3858876.54	9.87E-03	3.11E-06	9.06E-07	1.01E-02	3.18E-06	9.24E-07	1.01E-02	3.17E-06	9.23E-07
1206	489885.89, 3858876.54	9.57E-03	3.02E-06	8.79E-07	9.77E-03	3.08E-06	8.97E-07	9.76E-03	3.08E-06	8.96E-07
1207	489935.89, 3858876.54	9.26E-03	2.92E-06	8.50E-07	9.45E-03	2.98E-06	8.68E-07	9.44E-03	2.98E-06	8.67E-07
1208	489985.89, 3858876.54	8.94E-03	2.82E-06	8.21E-07	9.13E-03	2.88E-06	8.38E-07	9.12E-03	2.88E-06	8.37E-07
1209	490035.89, 3858876.54	8.59E-03	2.71E-06	7.89E-07	8.77E-03	2.77E-06	8.05E-07	8.76E-03	2.76E-06	8.04E-07
1210	489285.89, 3858926.54	2.32E-02	7.33E-06	2.13E-06	2.37E-02	7.48E-06	2.18E-06	2.37E-02	7.47E-06	2.17E-06
1211	489335.89, 3858926.54	2.11E-02	6.67E-06	1.94E-06	2.16E-02	6.81E-06	1.98E-06	2.15E-02	6.80E-06	1.98E-06
1212	489385.89, 3858926.54	1.94E-02	6.12E-06	1.78E-06	1.98E-02	6.25E-06	1.82E-06	1.98E-02	6.24E-06	1.82E-06
1213	489435.89, 3858926.54	1.80E-02	5.68E-06	1.65E-06	1.84E-02	5.79E-06	1.68E-06	1.83E-02	5.78E-06	1.68E-06
1214	489485.89, 3858926.54	1.68E-02	5.29E-06	1.54E-06	1.71E-02	5.40E-06	1.57E-06	1.71E-02	5.40E-06	1.57E-06
1215	489535.89, 3858926.54	1.57E-02	4.97E-06	1.44E-06	1.61E-02	5.07E-06	1.47E-06	1.60E-02	5.06E-06	1.47E-06
1216	489585.89, 3858926.54	1.48E-02	4.68E-06	1.36E-06	1.51E-02	4.77E-06	1.39E-06	1.51E-02	4.77E-06	1.39E-06

1217	489635.89, 3858926.54	1.40E-02	4.42E-06	1.29E-06	1.43E-02	4.52E-06	1.31E-06	1.43E-02	4.51E-06	1.31E-06
1218	489685.89, 3858926.54	1.33E-02	4.20E-06	1.22E-06	1.36E-02	4.28E-06	1.25E-06	1.36E-02	4.28E-06	1.24E-06
1219	489735.89, 3858926.54	1.27E-02	4.00E-06	1.16E-06	1.29E-02	4.09E-06	1.19E-06	1.29E-02	4.08E-06	1.19E-06
1220	489785.89, 3858926.54	1.21E-02	3.83E-06	1.11E-06	1.24E-02	3.91E-06	1.14E-06	1.24E-02	3.90E-06	1.14E-06
1221	489835.89, 3858926.54	1.16E-02	3.67E-06	1.07E-06	1.19E-02	3.74E-06	1.09E-06	1.18E-02	3.74E-06	1.09E-06
1222	489885.89, 3858926.54	1.12E-02	3.53E-06	1.03E-06	1.14E-02	3.60E-06	1.05E-06	1.14E-02	3.60E-06	1.05E-06
1223	489935.89, 3858926.54	1.08E-02	3.40E-06	9.88E-07	1.10E-02	3.46E-06	1.01E-06	1.10E-02	3.46E-06	1.01E-06
1224	489985.89, 3858926.54	1.03E-02	3.27E-06	9.50E-07	1.06E-02	3.33E-06	9.69E-07	1.05E-02	3.33E-06	9.68E-07
1225	490035.89, 3858926.54	9.82E-03	3.10E-06	9.02E-07	1.00E-02	3.16E-06	9.20E-07	1.00E-02	3.16E-06	9.19E-07
1226	489335.89, 3858976.54	2.83E-02	8.93E-06	2.60E-06	2.89E-02	9.11E-06	2.65E-06	2.88E-02	9.10E-06	2.65E-06
1227	489385.89, 3858976.54	2.54E-02	8.01E-06	2.33E-06	2.59E-02	8.17E-06	2.38E-06	2.59E-02	8.16E-06	2.37E-06
1228	489435.89, 3858976.54	2.31E-02	7.28E-06	2.12E-06	2.35E-02	7.43E-06	2.16E-06	2.35E-02	7.42E-06	2.16E-06
1229	489485.89, 3858976.54	2.11E-02	6.67E-06	1.94E-06	2.16E-02	6.81E-06	1.98E-06	2.16E-02	6.80E-06	1.98E-06
1230	489535.89, 3858976.54	1.95E-02	6.16E-06	1.79E-06	1.99E-02	6.29E-06	1.83E-06	1.99E-02	6.28E-06	1.83E-06
1231	489585.89, 3858976.54	1.82E-02	5.74E-06	1.67E-06	1.86E-02	5.86E-06	1.70E-06	1.85E-02	5.85E-06	1.70E-06
1232	489635.89, 3858976.54	1.70E-02	5.37E-06	1.56E-06	1.74E-02	5.48E-06	1.59E-06	1.74E-02	5.48E-06	1.59E-06
1233	489685.89, 3858976.54	1.60E-02	5.05E-06	1.47E-06	1.63E-02	5.15E-06	1.50E-06	1.63E-02	5.14E-06	1.50E-06
1234	489735.89, 3858976.54	1.51E-02	4.77E-06	1.39E-06	1.54E-02	4.87E-06	1.42E-06	1.54E-02	4.86E-06	1.41E-06
1235	489785.89, 3858976.54	1.43E-02	4.53E-06	1.32E-06	1.46E-02	4.62E-06	1.34E-06	1.46E-02	4.62E-06	1.34E-06
1236	489835.89, 3858976.54	1.37E-02	4.31E-06	1.25E-06	1.39E-02	4.40E-06	1.28E-06	1.39E-02	4.39E-06	1.28E-06
1237	489885.89, 3858976.54	1.30E-02	4.10E-06	1.19E-06	1.33E-02	4.19E-06	1.22E-06	1.32E-02	4.18E-06	1.22E-06
1238	489935.89, 3858976.54	1.24E-02	3.92E-06	1.14E-06	1.27E-02	4.00E-06	1.16E-06	1.27E-02	4.00E-06	1.16E-06
1239	489985.89, 3858976.54	1.19E-02	3.76E-06	1.09E-06	1.21E-02	3.83E-06	1.11E-06	1.21E-02	3.83E-06	1.11E-06
1240	490035.89, 3858976.54	1.11E-02	3.50E-06	1.02E-06	1.13E-02	3.57E-06	1.04E-06	1.13E-02	3.57E-06	1.04E-06
1241	489385.89, 3859026.54	3.30E-02	1.04E-05	3.03E-06	3.37E-02	1.06E-05	3.10E-06	3.37E-02	1.06E-05	3.09E-06
1242	489435.89, 3859026.54	2.94E-02	9.29E-06	2.70E-06	3.00E-02	9.48E-06	2.76E-06	3.00E-02	9.46E-06	2.75E-06
1243	489485.89, 3859026.54	2.65E-02	8.37E-06	2.44E-06	2.71E-02	8.55E-06	2.49E-06	2.70E-02	8.53E-06	2.48E-06
1244	489535.89, 3859026.54	2.42E-02	7.63E-06	2.22E-06	2.47E-02	7.79E-06	2.27E-06	2.47E-02	7.78E-06	2.26E-06
1245	489585.89, 3859026.54	2.22E-02	7.01E-06	2.04E-06	2.27E-02	7.16E-06	2.08E-06	2.27E-02	7.15E-06	2.08E-06
1246	489635.89, 3859026.54	2.06E-02	6.50E-06	1.89E-06	2.10E-02	6.63E-06	1.93E-06	2.10E-02	6.63E-06	1.93E-06
1247	489685.89, 3859026.54	1.92E-02	6.06E-06	1.76E-06	1.96E-02	6.18E-06	1.80E-06	1.96E-02	6.18E-06	1.80E-06
1248	489735.89, 3859026.54	1.80E-02	5.68E-06	1.65E-06	1.84E-02	5.80E-06	1.69E-06	1.83E-02	5.79E-06	1.68E-06
1249	489785.89, 3859026.54	1.69E-02	5.35E-06	1.56E-06	1.73E-02	5.46E-06	1.59E-06	1.73E-02	5.45E-06	1.59E-06
1250	489835.89, 3859026.54	1.60E-02	5.04E-06	1.47E-06	1.63E-02	5.14E-06	1.50E-06	1.63E-02	5.14E-06	1.49E-06
1251	489885.89, 3859026.54	1.51E-02	4.77E-06	1.39E-06	1.54E-02	4.87E-06	1.42E-06	1.54E-02	4.86E-06	1.41E-06
1252	489935.89, 3859026.54	1.43E-02	4.53E-06	1.32E-06	1.46E-02	4.62E-06	1.34E-06	1.46E-02	4.61E-06	1.34E-06
1253	489985.89, 3859026.54	1.36E-02	4.30E-06	1.25E-06	1.39E-02	4.39E-06	1.28E-06	1.39E-02	4.39E-06	1.28E-06
1254	490035.89, 3859026.54	1.26E-02	3.97E-06	1.15E-06	1.28E-02	4.05E-06	1.18E-06	1.28E-02	4.04E-06	1.18E-06
1255	489485.89, 3859076.54	3.36E-02	1.06E-05	3.08E-06	3.43E-02	1.08E-05	3.14E-06	3.42E-02	1.08E-05	3.14E-06
1256	489535.89, 3859076.54	3.01E-02	9.50E-06	2.76E-06	3.07E-02	9.70E-06	2.82E-06	3.07E-02	9.69E-06	2.82E-06
1257	489585.89, 3859076.54	2.73E-02	8.62E-06	2.51E-06	2.79E-02	8.79E-06	2.56E-06	2.78E-02	8.78E-06	2.55E-06
1258	489635.89, 3859076.54	2.50E-02	7.90E-06	2.30E-06	2.55E-02	8.06E-06	2.34E-06	2.55E-02	8.05E-06	2.34E-06
1259	489685.89, 3859076.54	2.31E-02	7.29E-06	2.12E-06	2.36E-02	7.44E-06	2.16E-06	2.35E-02	7.43E-06	2.16E-06
1260	489735.89, 3859076.54	2.15E-02	6.77E-06	1.97E-06	2.19E-02	6.91E-06	2.01E-06	2.19E-02	6.90E-06	2.01E-06
1261	489785.89, 3859076.54	2.00E-02	6.32E-06	1.84E-06	2.04E-02	6.45E-06	1.88E-06	2.04E-02	6.44E-06	1.87E-06
1262	489835.89, 3859076.54	1.88E-02	5.92E-06	1.72E-06	1.91E-02	6.04E-06	1.76E-06	1.91E-02	6.03E-06	1.75E-06
1263	489885.89, 3859076.54	1.76E-02	5.56E-06	1.62E-06	1.80E-02	5.68E-06	1.65E-06	1.80E-02	5.67E-06	1.65E-06
1264	489935.89, 3859076.54	1.66E-02	5.25E-06	1.53E-06	1.70E-02	5.36E-06	1.56E-06	1.70E-02	5.35E-06	1.56E-06
1265	489985.89, 3859076.54	1.57E-02	4.95E-06	1.44E-06	1.60E-02	5.05E-06	1.47E-06	1.60E-02	5.05E-06	1.47E-06
1266	490035.89, 3859076.54	1.44E-02	4.56E-06	1.33E-06	1.47E-02	4.65E-06	1.35E-06	1.47E-02	4.65E-06	1.35E-06
1267	489585.89, 3859126.54	3.41E-02	1.08E-05	3.13E-06	3.48E-02	1.10E-05	3.20E-06	3.48E-02	1.10E-05	3.19E-06
1268	489635.89, 3859126.54	3.08E-02	9.72E-06	2.83E-06	3.14E-02	9.91E-06	2.88E-06	3.14E-02	9.90E-06	2.88E-06
1269	489685.89, 3859126.54	2.80E-02	8.85E-06	2.57E-06	2.86E-02	9.03E-06	2.63E-06	2.86E-02	9.02E-06	2.62E-06
1270	489735.89, 3859126.54	2.57E-02	8.12E-06	2.36E-06	2.63E-02	8.29E-06	2.41E-06	2.62E-02	8.28E-06	2.41E-06
1271	489785.89, 3859126.54	2.38E-02	7.51E-06	2.18E-06	2.43E-02	7.66E-06	2.23E-06	2.43E-02	7.65E-06	2.23E-06
1272	489835.89, 3859126.54	2.21E-02	6.97E-06	2.03E-06	2.25E-02	7.12E-06	2.07E-06	2.25E-02	7.11E-06	2.07E-06
1273	489885.89, 3859126.54	2.06E-02	6.50E-06	1.89E-06	2.10E-02	6.63E-06	1.93E-06	2.10E-02	6.62E-06	1.93E-06
1274	489935.89, 3859126.54	1.93E-02	6.09E-06	1.77E-06	1.97E-02	6.22E-06	1.81E-06	1.97E-02	6.21E-06	1.81E-06
1275	489985.89, 3859126.54	1.80E-02	5.68E-06	1.65E-06	1.84E-02	5.79E-06	1.69E-06	1.83E-02	5.79E-06	1.68E-06
1276	490035.89, 3859126.54	1.67E-02	5.26E-06	1.53E-06	1.70E-02	5.36E-06	1.56E-06	1.70E-02	5.36E-06	1.56E-06
1277	489585.89, 3859176.54	4.39E-02	1.39E-05	4.03E-06	4.48E-02	1.42E-05	4.12E-06	4.48E-02	1.41E-05	4.11E-06

1278	489635.89, 3859176.54	3.87E-02	1.22E-05	3.55E-06	3.95E-02	1.25E-05	3.63E-06	3.95E-02	1.25E-05	3.62E-06
1279	489685.89, 3859176.54	3.46E-02	1.09E-05	3.18E-06	3.53E-02	1.11E-05	3.24E-06	3.53E-02	1.11E-05	3.24E-06
1280	489735.89, 3859176.54	3.13E-02	9.88E-06	2.87E-06	3.19E-02	1.01E-05	2.93E-06	3.19E-02	1.01E-05	2.93E-06
1281	489785.89, 3859176.54	2.85E-02	9.01E-06	2.62E-06	2.91E-02	9.19E-06	2.67E-06	2.91E-02	9.18E-06	2.67E-06
1282	489835.89, 3859176.54	2.62E-02	8.28E-06	2.41E-06	2.68E-02	8.45E-06	2.46E-06	2.67E-02	8.44E-06	2.45E-06
1283	489885.89, 3859176.54	2.42E-02	7.65E-06	2.22E-06	2.47E-02	7.80E-06	2.27E-06	2.47E-02	7.79E-06	2.27E-06
1284	489935.89, 3859176.54	2.25E-02	7.11E-06	2.07E-06	2.30E-02	7.25E-06	2.11E-06	2.29E-02	7.24E-06	2.11E-06
1285	489985.89, 3859176.54	2.08E-02	6.58E-06	1.91E-06	2.13E-02	6.71E-06	1.95E-06	2.12E-02	6.70E-06	1.95E-06
1286	490035.89, 3859176.54	1.95E-02	6.17E-06	1.79E-06	1.99E-02	6.29E-06	1.83E-06	1.99E-02	6.29E-06	1.83E-06
1287	489685.89, 3859226.54	4.40E-02	1.39E-05	4.04E-06	4.49E-02	1.42E-05	4.12E-06	4.49E-02	1.42E-05	4.12E-06
1288	489735.89, 3859226.54	3.89E-02	1.23E-05	3.57E-06	3.97E-02	1.25E-05	3.65E-06	3.97E-02	1.25E-05	3.64E-06
1289	489785.89, 3859226.54	3.49E-02	1.10E-05	3.20E-06	3.56E-02	1.12E-05	3.27E-06	3.55E-02	1.12E-05	3.26E-06
1290	489835.89, 3859226.54	3.15E-02	9.95E-06	2.89E-06	3.22E-02	1.02E-05	2.95E-06	3.21E-02	1.01E-05	2.95E-06
1291	489885.89, 3859226.54	2.88E-02	9.09E-06	2.64E-06	2.94E-02	9.27E-06	2.70E-06	2.93E-02	9.26E-06	2.69E-06
1292	489935.89, 3859226.54	2.65E-02	8.35E-06	2.43E-06	2.70E-02	8.52E-06	2.48E-06	2.70E-02	8.51E-06	2.48E-06
1293	489985.89, 3859226.54	2.42E-02	7.63E-06	2.22E-06	2.47E-02	7.78E-06	2.26E-06	2.46E-02	7.77E-06	2.26E-06
1294	490035.89, 3859226.54	2.25E-02	7.11E-06	2.07E-06	2.30E-02	7.26E-06	2.11E-06	2.30E-02	7.25E-06	2.11E-06
1295	489735.89, 3859276.54	5.04E-02	1.59E-05	4.63E-06	5.15E-02	1.62E-05	4.73E-06	5.14E-02	1.62E-05	4.72E-06
1296	489785.89, 3859276.54	4.39E-02	1.39E-05	4.03E-06	4.48E-02	1.41E-05	4.11E-06	4.48E-02	1.41E-05	4.11E-06
1297	489835.89, 3859276.54	3.89E-02	1.23E-05	3.57E-06	3.96E-02	1.25E-05	3.64E-06	3.96E-02	1.25E-05	3.64E-06
1298	489885.89, 3859276.54	3.49E-02	1.10E-05	3.20E-06	3.56E-02	1.12E-05	3.27E-06	3.55E-02	1.12E-05	3.26E-06
1299	489935.89, 3859276.54	3.16E-02	9.96E-06	2.90E-06	3.22E-02	1.02E-05	2.96E-06	3.22E-02	1.02E-05	2.95E-06
1300	489985.89, 3859276.54	2.83E-02	8.94E-06	2.60E-06	2.89E-02	9.13E-06	2.65E-06	2.89E-02	9.12E-06	2.65E-06
1301	490035.89, 3859276.54	2.64E-02	8.33E-06	2.42E-06	2.69E-02	8.50E-06	2.47E-06	2.69E-02	8.49E-06	2.47E-06
1302	490458.06, 3859590.74	4.46E-02	1.41E-05	4.10E-06	4.55E-02	1.44E-05	4.18E-06	4.55E-02	1.44E-05	4.18E-06
1303	490508.06, 3859590.74	3.99E-02	1.26E-05	3.66E-06	4.07E-02	1.28E-05	3.74E-06	4.07E-02	1.28E-05	3.73E-06
1304	490558.06, 3859590.74	3.54E-02	1.12E-05	3.25E-06	3.61E-02	1.14E-05	3.32E-06	3.61E-02	1.14E-05	3.31E-06
1305	490608.06, 3859590.74	3.19E-02	1.01E-05	2.92E-06	3.25E-02	1.03E-05	2.98E-06	3.25E-02	1.02E-05	2.98E-06
1306	490658.06, 3859590.74	2.88E-02	9.10E-06	2.65E-06	2.94E-02	9.28E-06	2.70E-06	2.94E-02	9.27E-06	2.70E-06
1307	490708.06, 3859590.74	2.62E-02	8.27E-06	2.41E-06	2.68E-02	8.44E-06	2.46E-06	2.67E-02	8.43E-06	2.45E-06
1308	490758.06, 3859590.74	2.38E-02	7.51E-06	2.18E-06	2.43E-02	7.66E-06	2.23E-06	2.42E-02	7.65E-06	2.23E-06
1309	490808.06, 3859590.74	2.19E-02	6.92E-06	2.01E-06	2.24E-02	7.06E-06	2.05E-06	2.23E-02	7.05E-06	2.05E-06
1310	490858.06, 3859590.74	2.02E-02	6.37E-06	1.85E-06	2.06E-02	6.50E-06	1.89E-06	2.06E-02	6.49E-06	1.89E-06
1311	490458.06, 3859640.74	6.23E-02	1.97E-05	5.72E-06	6.36E-02	2.01E-05	5.84E-06	6.35E-02	2.01E-05	5.83E-06
1312	490508.06, 3859640.74	5.41E-02	1.71E-05	4.96E-06	5.52E-02	1.74E-05	5.07E-06	5.51E-02	1.74E-05	5.06E-06
1313	490558.06, 3859640.74	4.74E-02	1.50E-05	4.35E-06	4.84E-02	1.53E-05	4.44E-06	4.83E-02	1.53E-05	4.44E-06
1314	490608.06, 3859640.74	4.14E-02	1.31E-05	3.80E-06	4.23E-02	1.33E-05	3.88E-06	4.22E-02	1.33E-05	3.88E-06
1315	490658.06, 3859640.74	3.61E-02	1.14E-05	3.31E-06	3.68E-02	1.16E-05	3.38E-06	3.68E-02	1.16E-05	3.38E-06
1316	490708.06, 3859640.74	3.23E-02	1.02E-05	2.96E-06	3.29E-02	1.04E-05	3.02E-06	3.29E-02	1.04E-05	3.02E-06
1317	490758.06, 3859640.74	2.89E-02	9.13E-06	2.65E-06	2.95E-02	9.31E-06	2.71E-06	2.95E-02	9.30E-06	2.71E-06
1318	490808.06, 3859640.74	2.65E-02	8.37E-06	2.43E-06	2.70E-02	8.54E-06	2.48E-06	2.70E-02	8.53E-06	2.48E-06
1319	490858.06, 3859640.74	2.44E-02	7.71E-06	2.24E-06	2.49E-02	7.87E-06	2.29E-06	2.49E-02	7.86E-06	2.29E-06
1320	490608.06, 3859690.74	5.76E-02	1.82E-05	5.29E-06	5.88E-02	1.86E-05	5.40E-06	5.87E-02	1.85E-05	5.39E-06
1321	490658.06, 3859690.74	4.83E-02	1.53E-05	4.44E-06	4.93E-02	1.56E-05	4.53E-06	4.93E-02	1.55E-05	4.52E-06
1322	490708.06, 3859690.74	4.17E-02	1.32E-05	3.83E-06	4.26E-02	1.34E-05	3.91E-06	4.25E-02	1.34E-05	3.90E-06
1323	490758.06, 3859690.74	3.64E-02	1.15E-05	3.34E-06	3.72E-02	1.17E-05	3.41E-06	3.71E-02	1.17E-05	3.41E-06
1324	490808.06, 3859690.74	3.26E-02	1.03E-05	3.00E-06	3.33E-02	1.05E-05	3.06E-06	3.33E-02	1.05E-05	3.05E-06
1325	490858.06, 3859690.74	3.03E-02	9.55E-06	2.78E-06	3.09E-02	9.75E-06	2.84E-06	3.08E-02	9.74E-06	2.83E-06
1326	490708.06, 3859740.74	6.04E-02	1.91E-05	5.54E-06	6.16E-02	1.94E-05	5.66E-06	6.15E-02	1.94E-05	5.65E-06
1327	490758.06, 3859740.74	5.15E-02	1.63E-05	4.73E-06	5.26E-02	1.66E-05	4.82E-06	5.25E-02	1.66E-05	4.82E-06
1328	490808.06, 3859740.74	4.45E-02	1.40E-05	4.09E-06	4.54E-02	1.43E-05	4.17E-06	4.54E-02	1.43E-05	4.16E-06
1329	490858.06, 3859740.74	3.96E-02	1.25E-05	3.64E-06	4.04E-02	1.28E-05	3.71E-06	4.04E-02	1.27E-05	3.71E-06
1330	490786.56, 3859749.39	5.07E-02	1.60E-05	4.66E-06	5.18E-02	1.63E-05	4.75E-06	5.17E-02	1.63E-05	4.75E-06
1331	490836.56, 3859749.39	4.38E-02	1.38E-05	4.02E-06	4.47E-02	1.41E-05	4.11E-06	4.47E-02	1.41E-05	4.10E-06
1332	490786.56, 3859799.39	7.95E-02	2.51E-05	7.30E-06	8.12E-02	2.56E-05	7.45E-06	8.11E-02	2.56E-05	7.44E-06
1333	490836.56, 3859799.39	6.54E-02	2.06E-05	6.00E-06	6.67E-02	2.11E-05	6.12E-06	6.66E-02	2.10E-05	6.12E-06
1334	492307.84, 3854508.36	9.82E-04	3.10E-07	9.02E-08	1.00E-03	3.16E-07	9.20E-08	1.00E-03	3.16E-07	9.19E-08
1335	486445.7, 3854753.6	1.22E-03	3.86E-07	1.12E-07	1.25E-03	3.94E-07	1.15E-07	1.25E-03	3.94E-07	1.15E-07
1336	472599.75, 3877830.11	7.87E-05	2.48E-08	7.22E-09	8.03E-05	2.53E-08	7.37E-09	8.02E-05	2.53E-08	7.36E-09
1337	493107.48, 3866840.19	2.02E-04	6.38E-08	1.86E-08	2.06E-04	6.51E-08	1.89E-08	2.06E-04	6.50E-08	1.89E-08
1338	495815.8, 3861662.87	1.24E-03	3.93E-07	1.14E-07	1.27E-03	4.01E-07	1.17E-07	1.27E-03	4.00E-07	1.16E-07

1339	480272.33, 3841389.2	4.48E-05	1.41E-08	4.11E-09	4.57E-05	1.44E-08	4.20E-09	4.56E-05	1.44E-08	4.19E-09
1340	497005.18, 3862813.64	6.96E-04	2.20E-07	6.39E-08	7.10E-04	2.24E-07	6.52E-08	7.09E-04	2.24E-07	6.51E-08
1341	493677.33, 3860302.55	5.30E-03	1.67E-06	4.86E-07	5.40E-03	1.71E-06	4.96E-07	5.40E-03	1.70E-06	4.95E-07
1342	493727.33, 3860302.55	5.16E-03	1.63E-06	4.74E-07	5.26E-03	1.66E-06	4.83E-07	5.26E-03	1.66E-06	4.83E-07
1343	493777.33, 3860302.55	5.02E-03	1.59E-06	4.61E-07	5.13E-03	1.62E-06	4.71E-07	5.12E-03	1.62E-06	4.70E-07
1344	493827.33, 3860302.55	4.89E-03	1.54E-06	4.49E-07	4.99E-03	1.58E-06	4.59E-07	4.99E-03	1.57E-06	4.58E-07
1345	493877.33, 3860302.55	4.78E-03	1.51E-06	4.39E-07	4.88E-03	1.54E-06	4.48E-07	4.87E-03	1.54E-06	4.47E-07
1346	493927.33, 3860302.55	4.67E-03	1.47E-06	4.29E-07	4.77E-03	1.50E-06	4.38E-07	4.76E-03	1.50E-06	4.37E-07
1347	493977.33, 3860302.55	4.53E-03	1.43E-06	4.16E-07	4.63E-03	1.46E-06	4.25E-07	4.62E-03	1.46E-06	4.24E-07
1348	494027.33, 3860302.55	4.41E-03	1.39E-06	4.05E-07	4.51E-03	1.42E-06	4.14E-07	4.50E-03	1.42E-06	4.13E-07
1349	493677.33, 3860352.55	5.22E-03	1.65E-06	4.79E-07	5.33E-03	1.68E-06	4.89E-07	5.32E-03	1.68E-06	4.88E-07
1350	493727.33, 3860352.55	5.09E-03	1.61E-06	4.67E-07	5.19E-03	1.64E-06	4.77E-07	5.19E-03	1.64E-06	4.76E-07
1351	493777.33, 3860352.55	4.96E-03	1.57E-06	4.56E-07	5.07E-03	1.60E-06	4.65E-07	5.06E-03	1.60E-06	4.64E-07
1352	493827.33, 3860352.55	4.84E-03	1.53E-06	4.45E-07	4.94E-03	1.56E-06	4.54E-07	4.94E-03	1.56E-06	4.53E-07
1353	493877.33, 3860352.55	4.72E-03	1.49E-06	4.33E-07	4.82E-03	1.52E-06	4.42E-07	4.81E-03	1.52E-06	4.42E-07
1354	493927.33, 3860352.55	4.60E-03	1.45E-06	4.23E-07	4.70E-03	1.48E-06	4.31E-07	4.69E-03	1.48E-06	4.31E-07
1355	493977.33, 3860352.55	4.48E-03	1.41E-06	4.11E-07	4.57E-03	1.44E-06	4.20E-07	4.57E-03	1.44E-06	4.19E-07
1356	494027.33, 3860352.55	4.38E-03	1.38E-06	4.02E-07	4.47E-03	1.41E-06	4.10E-07	4.46E-03	1.41E-06	4.10E-07
1357	493677.33, 3860402.55	5.13E-03	1.62E-06	4.71E-07	5.24E-03	1.65E-06	4.81E-07	5.23E-03	1.65E-06	4.80E-07
1358	493727.33, 3860402.55	5.00E-03	1.58E-06	4.59E-07	5.10E-03	1.61E-06	4.69E-07	5.10E-03	1.61E-06	4.68E-07
1359	493777.33, 3860402.55	4.86E-03	1.53E-06	4.46E-07	4.96E-03	1.57E-06	4.56E-07	4.96E-03	1.56E-06	4.55E-07
1360	493827.33, 3860402.55	4.75E-03	1.50E-06	4.36E-07	4.85E-03	1.53E-06	4.45E-07	4.84E-03	1.53E-06	4.45E-07
1361	493877.33, 3860402.55	4.64E-03	1.46E-06	4.26E-07	4.73E-03	1.49E-06	4.35E-07	4.73E-03	1.49E-06	4.34E-07
1362	493927.33, 3860402.55	4.52E-03	1.43E-06	4.15E-07	4.61E-03	1.46E-06	4.23E-07	4.61E-03	1.45E-06	4.23E-07
1363	493977.33, 3860402.55	4.40E-03	1.39E-06	4.04E-07	4.49E-03	1.42E-06	4.13E-07	4.49E-03	1.42E-06	4.12E-07
1364	494027.33, 3860402.55	4.31E-03	1.36E-06	3.96E-07	4.40E-03	1.39E-06	4.04E-07	4.39E-03	1.39E-06	4.03E-07
1365	493677.33, 3860452.55	5.01E-03	1.58E-06	4.60E-07	5.11E-03	1.61E-06	4.69E-07	5.10E-03	1.61E-06	4.69E-07
1366	493727.33, 3860452.55	4.89E-03	1.54E-06	4.49E-07	4.99E-03	1.58E-06	4.58E-07	4.99E-03	1.57E-06	4.58E-07
1367	493777.33, 3860452.55	4.77E-03	1.51E-06	4.38E-07	4.87E-03	1.54E-06	4.47E-07	4.86E-03	1.54E-06	4.47E-07
1368	493827.33, 3860452.55	4.65E-03	1.47E-06	4.27E-07	4.75E-03	1.50E-06	4.36E-07	4.74E-03	1.50E-06	4.35E-07
1369	493877.33, 3860452.55	4.54E-03	1.43E-06	4.17E-07	4.63E-03	1.46E-06	4.25E-07	4.62E-03	1.46E-06	4.25E-07
1370	493927.33, 3860452.55	4.42E-03	1.39E-06	4.05E-07	4.51E-03	1.42E-06	4.14E-07	4.50E-03	1.42E-06	4.13E-07
1371	493977.33, 3860452.55	4.32E-03	1.36E-06	3.96E-07	4.41E-03	1.39E-06	4.04E-07	4.40E-03	1.39E-06	4.04E-07
1372	494027.33, 3860452.55	4.22E-03	1.33E-06	3.88E-07	4.31E-03	1.36E-06	3.96E-07	4.30E-03	1.36E-06	3.95E-07
1373	493677.33, 3860502.55	4.87E-03	1.54E-06	4.47E-07	4.97E-03	1.57E-06	4.56E-07	4.96E-03	1.57E-06	4.56E-07
1374	493727.33, 3860502.55	4.75E-03	1.50E-06	4.36E-07	4.85E-03	1.53E-06	4.45E-07	4.84E-03	1.53E-06	4.45E-07
1375	493777.33, 3860502.55	4.64E-03	1.46E-06	4.26E-07	4.73E-03	1.49E-06	4.35E-07	4.73E-03	1.49E-06	4.34E-07
1376	493827.33, 3860502.55	4.53E-03	1.43E-06	4.16E-07	4.62E-03	1.46E-06	4.24E-07	4.62E-03	1.46E-06	4.24E-07
1377	493877.33, 3860502.55	4.42E-03	1.40E-06	4.06E-07	4.51E-03	1.42E-06	4.14E-07	4.51E-03	1.42E-06	4.14E-07
1378	493927.33, 3860502.55	4.32E-03	1.36E-06	3.96E-07	4.40E-03	1.39E-06	4.04E-07	4.40E-03	1.39E-06	4.04E-07
1379	493977.33, 3860502.55	4.22E-03	1.33E-06	3.88E-07	4.31E-03	1.36E-06	3.95E-07	4.30E-03	1.36E-06	3.95E-07
1380	494027.33, 3860502.55	4.13E-03	1.30E-06	3.79E-07	4.21E-03	1.33E-06	3.87E-07	4.21E-03	1.33E-06	3.86E-07
1381	493627.33, 3860552.55	4.83E-03	1.52E-06	4.43E-07	4.93E-03	1.55E-06	4.52E-07	4.92E-03	1.55E-06	4.52E-07
1382	493677.33, 3860552.55	4.71E-03	1.49E-06	4.32E-07	4.81E-03	1.52E-06	4.41E-07	4.80E-03	1.52E-06	4.41E-07
1383	493727.33, 3860552.55	4.60E-03	1.45E-06	4.22E-07	4.69E-03	1.48E-06	4.31E-07	4.69E-03	1.48E-06	4.30E-07
1384	493777.33, 3860552.55	4.49E-03	1.42E-06	4.12E-07	4.58E-03	1.45E-06	4.21E-07	4.58E-03	1.45E-06	4.20E-07
1385	493827.33, 3860552.55	4.39E-03	1.39E-06	4.03E-07	4.48E-03	1.41E-06	4.11E-07	4.48E-03	1.41E-06	4.11E-07
1386	493877.33, 3860552.55	4.29E-03	1.36E-06	3.94E-07	4.38E-03	1.38E-06	4.02E-07	4.38E-03	1.38E-06	4.02E-07
1387	493927.33, 3860552.55	4.20E-03	1.33E-06	3.86E-07	4.28E-03	1.35E-06	3.93E-07	4.28E-03	1.35E-06	3.93E-07
1388	493977.33, 3860552.55	4.11E-03	1.30E-06	3.77E-07	4.19E-03	1.32E-06	3.85E-07	4.19E-03	1.32E-06	3.84E-07
1389	494027.33, 3860552.55	4.02E-03	1.27E-06	3.69E-07	4.10E-03	1.30E-06	3.77E-07	4.10E-03	1.29E-06	3.76E-07
1390	493627.33, 3860602.55	4.64E-03	1.47E-06	4.26E-07	4.74E-03	1.50E-06	4.35E-07	4.73E-03	1.49E-06	4.35E-07
1391	493727.33, 3860602.55	4.42E-03	1.39E-06	4.06E-07	4.51E-03	1.42E-06	4.14E-07	4.50E-03	1.42E-06	4.13E-07
1392	493777.33, 3860602.55	4.33E-03	1.37E-06	3.97E-07	4.42E-03	1.39E-06	4.05E-07	4.41E-03	1.39E-06	4.05E-07
1393	493827.33, 3860602.55	4.24E-03	1.34E-06	3.89E-07	4.32E-03	1.36E-06	3.97E-07	4.32E-03	1.36E-06	3.96E-07
1394	493877.33, 3860602.55	4.15E-03	1.31E-06	3.81E-07	4.24E-03	1.34E-06	3.89E-07	4.23E-03	1.34E-06	3.88E-07
1395	493927.33, 3860602.55	4.06E-03	1.28E-06	3.73E-07	4.15E-03	1.31E-06	3.81E-07	4.14E-03	1.31E-06	3.80E-07
1396	493977.33, 3860602.55	3.98E-03	1.26E-06	3.65E-07	4.06E-03	1.28E-06	3.73E-07	4.06E-03	1.28E-06	3.73E-07
1397	494027.33, 3860602.55	3.90E-03	1.23E-06	3.58E-07	3.98E-03	1.26E-06	3.65E-07	3.98E-03	1.25E-06	3.65E-07
1398	493627.33, 3860652.55	4.45E-03	1.40E-06	4.08E-07	4.54E-03	1.43E-06	4.17E-07	4.53E-03	1.43E-06	4.16E-07
1399	493727.33, 3860652.55	4.24E-03	1.34E-06	3.89E-07	4.32E-03	1.37E-06	3.97E-07	4.32E-03	1.36E-06	3.97E-07

1400	493777.33, 3860652.55	4.15E-03	1.31E-06	3.81E-07	4.24E-03	1.34E-06	3.89E-07	4.23E-03	1.34E-06	3.88E-07
1401	493827.33, 3860652.55	4.07E-03	1.29E-06	3.74E-07	4.16E-03	1.31E-06	3.82E-07	4.15E-03	1.31E-06	3.81E-07
1402	493877.33, 3860652.55	3.99E-03	1.26E-06	3.67E-07	4.08E-03	1.29E-06	3.74E-07	4.07E-03	1.29E-06	3.74E-07
1403	493927.33, 3860652.55	3.92E-03	1.24E-06	3.60E-07	4.00E-03	1.26E-06	3.67E-07	3.99E-03	1.26E-06	3.67E-07
1404	493977.33, 3860652.55	3.84E-03	1.21E-06	3.53E-07	3.92E-03	1.24E-06	3.60E-07	3.91E-03	1.24E-06	3.59E-07
1405	494027.33, 3860652.55	3.77E-03	1.19E-06	3.46E-07	3.85E-03	1.21E-06	3.53E-07	3.84E-03	1.21E-06	3.53E-07
1406	494311.06, 3858401.99	9.74E-04	3.07E-07	8.94E-08	9.94E-04	3.14E-07	9.12E-08	9.93E-04	3.13E-07	9.11E-08
1407	494361.06, 3858401.99	9.63E-04	3.04E-07	8.84E-08	9.82E-04	3.10E-07	9.02E-08	9.81E-04	3.10E-07	9.01E-08
1408	494411.06, 3858401.99	9.56E-04	3.02E-07	8.77E-08	9.75E-04	3.08E-07	8.95E-08	9.74E-04	3.07E-07	8.94E-08
1409	494461.06, 3858401.99	9.54E-04	3.01E-07	8.75E-08	9.73E-04	3.07E-07	8.93E-08	9.72E-04	3.07E-07	8.92E-08
1410	494511.06, 3858401.99	9.46E-04	2.99E-07	8.68E-08	9.65E-04	3.05E-07	8.86E-08	9.64E-04	3.04E-07	8.85E-08
1411	494561.06, 3858401.99	9.43E-04	2.98E-07	8.66E-08	9.62E-04	3.04E-07	8.84E-08	9.61E-04	3.03E-07	8.83E-08
1412	494611.06, 3858401.99	9.35E-04	2.95E-07	8.58E-08	9.54E-04	3.01E-07	8.76E-08	9.53E-04	3.01E-07	8.75E-08
1413	494661.06, 3858401.99	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.69E-08	9.46E-04	2.98E-07	8.68E-08
1414	494711.06, 3858401.99	9.16E-04	2.89E-07	8.41E-08	9.35E-04	2.95E-07	8.58E-08	9.34E-04	2.95E-07	8.57E-08
1415	494761.06, 3858401.99	9.11E-04	2.88E-07	8.37E-08	9.30E-04	2.94E-07	8.54E-08	9.29E-04	2.93E-07	8.53E-08
1416	494811.06, 3858401.99	9.03E-04	2.85E-07	8.29E-08	9.21E-04	2.91E-07	8.45E-08	9.20E-04	2.90E-07	8.45E-08
1417	494861.06, 3858401.99	8.95E-04	2.82E-07	8.22E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
1418	494911.06, 3858401.99	8.87E-04	2.80E-07	8.15E-08	9.05E-04	2.86E-07	8.31E-08	9.04E-04	2.85E-07	8.30E-08
1419	494961.06, 3858401.99	8.79E-04	2.77E-07	8.07E-08	8.97E-04	2.83E-07	8.23E-08	8.96E-04	2.83E-07	8.22E-08
1420	495011.06, 3858401.99	8.67E-04	2.74E-07	7.96E-08	8.85E-04	2.79E-07	8.13E-08	8.84E-04	2.79E-07	8.12E-08
1421	495061.06, 3858401.99	8.59E-04	2.71E-07	7.89E-08	8.76E-04	2.77E-07	8.05E-08	8.75E-04	2.76E-07	8.04E-08
1422	495111.06, 3858401.99	8.42E-04	2.66E-07	7.73E-08	8.59E-04	2.71E-07	7.89E-08	8.58E-04	2.71E-07	7.88E-08
1423	495161.06, 3858401.99	8.39E-04	2.65E-07	7.70E-08	8.56E-04	2.70E-07	7.86E-08	8.55E-04	2.70E-07	7.85E-08
1424	495211.06, 3858401.99	8.24E-04	2.60E-07	7.56E-08	8.41E-04	2.65E-07	7.72E-08	8.40E-04	2.65E-07	7.71E-08
1425	495261.06, 3858401.99	8.16E-04	2.58E-07	7.49E-08	8.33E-04	2.63E-07	7.64E-08	8.32E-04	2.62E-07	7.63E-08
1426	495311.06, 3858401.99	8.07E-04	2.55E-07	7.41E-08	8.24E-04	2.60E-07	7.56E-08	8.23E-04	2.60E-07	7.55E-08
1427	495361.06, 3858401.99	8.01E-04	2.53E-07	7.36E-08	8.18E-04	2.58E-07	7.51E-08	8.17E-04	2.58E-07	7.50E-08
1428	495411.06, 3858401.99	7.98E-04	2.52E-07	7.33E-08	8.15E-04	2.57E-07	7.48E-08	8.14E-04	2.57E-07	7.47E-08
1429	495461.06, 3858401.99	7.96E-04	2.51E-07	7.31E-08	8.12E-04	2.56E-07	7.46E-08	8.11E-04	2.56E-07	7.45E-08
1430	495511.06, 3858401.99	7.93E-04	2.50E-07	7.28E-08	8.09E-04	2.55E-07	7.43E-08	8.08E-04	2.55E-07	7.42E-08
1431	495561.06, 3858401.99	7.83E-04	2.47E-07	7.18E-08	7.99E-04	2.52E-07	7.33E-08	7.98E-04	2.52E-07	7.32E-08
1432	495611.06, 3858401.99	7.79E-04	2.46E-07	7.16E-08	7.95E-04	2.51E-07	7.30E-08	7.94E-04	2.51E-07	7.29E-08
1433	495661.06, 3858401.99	7.85E-04	2.48E-07	7.21E-08	8.01E-04	2.53E-07	7.36E-08	8.00E-04	2.53E-07	7.35E-08
1434	494311.06, 3858451.99	1.03E-03	3.24E-07	9.43E-08	1.05E-03	3.31E-07	9.62E-08	1.05E-03	3.30E-07	9.61E-08
1435	494361.06, 3858451.99	1.02E-03	3.21E-07	9.34E-08	1.04E-03	3.28E-07	9.53E-08	1.04E-03	3.27E-07	9.52E-08
1436	494411.06, 3858451.99	1.01E-03	3.19E-07	9.28E-08	1.03E-03	3.25E-07	9.47E-08	1.03E-03	3.25E-07	9.45E-08
1437	494461.06, 3858451.99	1.00E-03	3.17E-07	9.22E-08	1.02E-03	3.23E-07	9.40E-08	1.02E-03	3.23E-07	9.39E-08
1438	494511.06, 3858451.99	1.00E-03	3.16E-07	9.19E-08	1.02E-03	3.22E-07	9.37E-08	1.02E-03	3.22E-07	9.36E-08
1439	494561.06, 3858451.99	9.92E-04	3.13E-07	9.10E-08	1.01E-03	3.19E-07	9.29E-08	1.01E-03	3.19E-07	9.28E-08
1440	494611.06, 3858451.99	9.85E-04	3.11E-07	9.04E-08	1.00E-03	3.17E-07	9.23E-08	1.00E-03	3.17E-07	9.21E-08
1441	494661.06, 3858451.99	9.78E-04	3.09E-07	8.98E-08	9.98E-04	3.15E-07	9.16E-08	9.96E-04	3.15E-07	9.15E-08
1442	494711.06, 3858451.99	9.67E-04	3.05E-07	8.88E-08	9.87E-04	3.12E-07	9.06E-08	9.86E-04	3.11E-07	9.05E-08
1443	494761.06, 3858451.99	9.57E-04	3.02E-07	8.78E-08	9.76E-04	3.08E-07	8.96E-08	9.75E-04	3.08E-07	8.95E-08
1444	494811.06, 3858451.99	9.49E-04	2.99E-07	8.71E-08	9.68E-04	3.05E-07	8.89E-08	9.67E-04	3.05E-07	8.88E-08
1445	494861.06, 3858451.99	9.39E-04	2.96E-07	8.62E-08	9.58E-04	3.02E-07	8.79E-08	9.57E-04	3.02E-07	8.78E-08
1446	494911.06, 3858451.99	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.66E-08	9.43E-04	2.98E-07	8.65E-08
1447	494961.06, 3858451.99	9.16E-04	2.89E-07	8.41E-08	9.35E-04	2.95E-07	8.58E-08	9.34E-04	2.95E-07	8.57E-08
1448	495011.06, 3858451.99	9.03E-04	2.85E-07	8.29E-08	9.22E-04	2.91E-07	8.46E-08	9.21E-04	2.91E-07	8.45E-08
1449	495061.06, 3858451.99	8.98E-04	2.83E-07	8.24E-08	9.16E-04	2.89E-07	8.41E-08	9.15E-04	2.89E-07	8.40E-08
1450	495111.06, 3858451.99	8.85E-04	2.79E-07	8.13E-08	9.04E-04	2.85E-07	8.29E-08	9.02E-04	2.85E-07	8.29E-08
1451	495161.06, 3858451.99	8.71E-04	2.75E-07	8.00E-08	8.89E-04	2.81E-07	8.16E-08	8.88E-04	2.80E-07	8.15E-08
1452	495211.06, 3858451.99	8.59E-04	2.71E-07	7.88E-08	8.76E-04	2.77E-07	8.04E-08	8.75E-04	2.76E-07	8.03E-08
1453	495261.06, 3858451.99	8.50E-04	2.68E-07	7.80E-08	8.67E-04	2.74E-07	7.96E-08	8.66E-04	2.73E-07	7.95E-08
1454	495311.06, 3858451.99	8.43E-04	2.66E-07	7.74E-08	8.61E-04	2.72E-07	7.90E-08	8.60E-04	2.71E-07	7.89E-08
1455	495361.06, 3858451.99	8.37E-04	2.64E-07	7.69E-08	8.55E-04	2.70E-07	7.84E-08	8.54E-04	2.69E-07	7.84E-08
1456	495411.06, 3858451.99	8.34E-04	2.63E-07	7.66E-08	8.52E-04	2.69E-07	7.82E-08	8.51E-04	2.68E-07	7.81E-08
1457	495461.06, 3858451.99	8.32E-04	2.63E-07	7.64E-08	8.49E-04	2.68E-07	7.80E-08	8.48E-04	2.68E-07	7.79E-08
1458	495511.06, 3858451.99	8.25E-04	2.60E-07	7.57E-08	8.42E-04	2.66E-07	7.73E-08	8.41E-04	2.65E-07	7.72E-08
1459	495561.06, 3858451.99	8.26E-04	2.61E-07	7.58E-08	8.43E-04	2.66E-07	7.73E-08	8.42E-04	2.66E-07	7.73E-08
1460	495611.06, 3858451.99	8.17E-04	2.58E-07	7.50E-08	8.33E-04	2.63E-07	7.65E-08	8.33E-04	2.63E-07	7.64E-08

1461	495661.06, 3858451.99	8.15E-04	2.57E-07	7.49E-08	8.32E-04	2.63E-07	7.64E-08	8.31E-04	2.62E-07	7.63E-08
1462	494311.06, 3858501.99	1.07E-03	3.37E-07	9.81E-08	1.09E-03	3.44E-07	1.00E-07	1.09E-03	3.44E-07	1.00E-07
1463	494361.06, 3858501.99	1.06E-03	3.35E-07	9.76E-08	1.08E-03	3.42E-07	9.96E-08	1.08E-03	3.42E-07	9.94E-08
1464	494411.06, 3858501.99	1.06E-03	3.33E-07	9.69E-08	1.08E-03	3.40E-07	9.89E-08	1.08E-03	3.40E-07	9.88E-08
1465	494461.06, 3858501.99	1.05E-03	3.32E-07	9.65E-08	1.07E-03	3.39E-07	9.85E-08	1.07E-03	3.38E-07	9.84E-08
1466	494511.06, 3858501.99	1.04E-03	3.28E-07	9.55E-08	1.06E-03	3.35E-07	9.75E-08	1.06E-03	3.35E-07	9.74E-08
1467	494561.06, 3858501.99	1.04E-03	3.29E-07	9.58E-08	1.06E-03	3.36E-07	9.77E-08	1.06E-03	3.36E-07	9.76E-08
1468	494611.06, 3858501.99	1.03E-03	3.26E-07	9.49E-08	1.06E-03	3.33E-07	9.69E-08	1.05E-03	3.33E-07	9.68E-08
1469	494661.06, 3858501.99	1.03E-03	3.25E-07	9.44E-08	1.05E-03	3.31E-07	9.64E-08	1.05E-03	3.31E-07	9.63E-08
1470	494711.06, 3858501.99	1.02E-03	3.21E-07	9.34E-08	1.04E-03	3.28E-07	9.53E-08	1.04E-03	3.27E-07	9.52E-08
1471	494761.06, 3858501.99	1.00E-03	3.17E-07	9.22E-08	1.03E-03	3.24E-07	9.41E-08	1.02E-03	3.23E-07	9.40E-08
1472	494811.06, 3858501.99	9.92E-04	3.13E-07	9.11E-08	1.01E-03	3.20E-07	9.30E-08	1.01E-03	3.19E-07	9.29E-08
1473	494861.06, 3858501.99	9.84E-04	3.11E-07	9.04E-08	1.00E-03	3.17E-07	9.22E-08	1.00E-03	3.17E-07	9.21E-08
1474	494911.06, 3858501.99	9.67E-04	3.05E-07	8.88E-08	9.87E-04	3.11E-07	9.06E-08	9.86E-04	3.11E-07	9.05E-08
1475	494961.06, 3858501.99	9.59E-04	3.03E-07	8.80E-08	9.78E-04	3.09E-07	8.98E-08	9.77E-04	3.08E-07	8.97E-08
1476	495011.06, 3858501.99	9.44E-04	2.98E-07	8.66E-08	9.63E-04	3.04E-07	8.84E-08	9.62E-04	3.04E-07	8.83E-08
1477	495061.06, 3858501.99	9.38E-04	2.96E-07	8.61E-08	9.57E-04	3.02E-07	8.78E-08	9.56E-04	3.02E-07	8.77E-08
1478	495111.06, 3858501.99	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
1479	495161.06, 3858501.99	9.06E-04	2.86E-07	8.32E-08	9.25E-04	2.92E-07	8.49E-08	9.24E-04	2.92E-07	8.48E-08
1480	495211.06, 3858501.99	8.95E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
1481	495261.06, 3858501.99	8.86E-04	2.80E-07	8.13E-08	9.04E-04	2.85E-07	8.30E-08	9.03E-04	2.85E-07	8.29E-08
1482	495311.06, 3858501.99	8.81E-04	2.78E-07	8.09E-08	8.99E-04	2.84E-07	8.25E-08	8.98E-04	2.83E-07	8.24E-08
1483	495361.06, 3858501.99	8.76E-04	2.76E-07	8.04E-08	8.94E-04	2.82E-07	8.21E-08	8.93E-04	2.82E-07	8.20E-08
1484	495411.06, 3858501.99	8.72E-04	2.75E-07	8.01E-08	8.90E-04	2.81E-07	8.17E-08	8.89E-04	2.81E-07	8.16E-08
1485	495461.06, 3858501.99	8.69E-04	2.74E-07	7.98E-08	8.87E-04	2.80E-07	8.14E-08	8.86E-04	2.80E-07	8.13E-08
1486	495511.06, 3858501.99	8.64E-04	2.73E-07	7.93E-08	8.82E-04	2.78E-07	8.09E-08	8.81E-04	2.78E-07	8.08E-08
1487	495561.06, 3858501.99	8.64E-04	2.73E-07	7.93E-08	8.82E-04	2.78E-07	8.09E-08	8.81E-04	2.78E-07	8.08E-08
1488	495611.06, 3858501.99	8.52E-04	2.69E-07	7.83E-08	8.70E-04	2.75E-07	7.99E-08	8.69E-04	2.74E-07	7.98E-08
1489	495661.06, 3858501.99	8.54E-04	2.70E-07	7.84E-08	8.72E-04	2.75E-07	8.00E-08	8.71E-04	2.75E-07	7.99E-08
1490	494311.06, 3858551.99	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.50E-07	1.02E-07
1491	494361.06, 3858551.99	1.10E-03	3.46E-07	1.01E-07	1.12E-03	3.53E-07	1.03E-07	1.12E-03	3.53E-07	1.03E-07
1492	494411.06, 3858551.99	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
1493	494461.06, 3858551.99	1.11E-03	3.49E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.56E-07	1.04E-07
1494	494511.06, 3858551.99	1.10E-03	3.48E-07	1.01E-07	1.12E-03	3.55E-07	1.03E-07	1.12E-03	3.54E-07	1.03E-07
1495	494561.06, 3858551.99	1.10E-03	3.46E-07	1.01E-07	1.12E-03	3.53E-07	1.03E-07	1.12E-03	3.53E-07	1.03E-07
1496	494611.06, 3858551.99	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.50E-07	1.02E-07
1497	494661.06, 3858551.99	1.08E-03	3.42E-07	9.94E-08	1.10E-03	3.49E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
1498	494711.06, 3858551.99	1.07E-03	3.37E-07	9.81E-08	1.09E-03	3.44E-07	1.00E-07	1.09E-03	3.44E-07	1.00E-07
1499	494761.06, 3858551.99	1.06E-03	3.33E-07	9.69E-08	1.08E-03	3.40E-07	9.89E-08	1.08E-03	3.40E-07	9.88E-08
1500	494811.06, 3858551.99	1.05E-03	3.30E-07	9.60E-08	1.07E-03	3.37E-07	9.79E-08	1.07E-03	3.36E-07	9.78E-08
1501	494861.06, 3858551.99	1.03E-03	3.26E-07	9.47E-08	1.05E-03	3.32E-07	9.66E-08	1.05E-03	3.32E-07	9.65E-08
1502	494911.06, 3858551.99	1.02E-03	3.20E-07	9.32E-08	1.04E-03	3.27E-07	9.51E-08	1.03E-03	3.27E-07	9.50E-08
1503	494961.06, 3858551.99	1.00E-03	3.16E-07	9.21E-08	1.02E-03	3.23E-07	9.39E-08	1.02E-03	3.23E-07	9.38E-08
1504	495011.06, 3858551.99	9.87E-04	3.11E-07	9.06E-08	1.01E-03	3.18E-07	9.24E-08	1.01E-03	3.17E-07	9.23E-08
1505	495061.06, 3858551.99	9.77E-04	3.08E-07	8.96E-08	9.96E-04	3.14E-07	9.15E-08	9.95E-04	3.14E-07	9.14E-08
1506	495111.06, 3858551.99	9.57E-04	3.02E-07	8.78E-08	9.76E-04	3.08E-07	8.96E-08	9.75E-04	3.08E-07	8.95E-08
1507	495161.06, 3858551.99	9.44E-04	2.98E-07	8.67E-08	9.63E-04	3.04E-07	8.84E-08	9.62E-04	3.04E-07	8.83E-08
1508	495211.06, 3858551.99	9.33E-04	2.94E-07	8.56E-08	9.52E-04	3.00E-07	8.74E-08	9.51E-04	3.00E-07	8.73E-08
1509	495261.06, 3858551.99	9.24E-04	2.92E-07	8.49E-08	9.43E-04	2.98E-07	8.66E-08	9.42E-04	2.97E-07	8.65E-08
1510	495311.06, 3858551.99	9.20E-04	2.90E-07	8.45E-08	9.39E-04	2.96E-07	8.62E-08	9.38E-04	2.96E-07	8.61E-08
1511	495361.06, 3858551.99	9.15E-04	2.89E-07	8.40E-08	9.34E-04	2.95E-07	8.57E-08	9.33E-04	2.94E-07	8.56E-08
1512	495411.06, 3858551.99	9.12E-04	2.88E-07	8.38E-08	9.31E-04	2.94E-07	8.55E-08	9.30E-04	2.93E-07	8.54E-08
1513	495461.06, 3858551.99	9.08E-04	2.87E-07	8.33E-08	9.26E-04	2.92E-07	8.50E-08	9.25E-04	2.92E-07	8.49E-08
1514	495511.06, 3858551.99	9.05E-04	2.86E-07	8.31E-08	9.24E-04	2.92E-07	8.48E-08	9.23E-04	2.91E-07	8.47E-08
1515	495561.06, 3858551.99	9.00E-04	2.84E-07	8.27E-08	9.19E-04	2.90E-07	8.44E-08	9.18E-04	2.90E-07	8.43E-08
1516	495611.06, 3858551.99	8.95E-04	2.82E-07	8.22E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
1517	495661.06, 3858551.99	8.88E-04	2.80E-07	8.16E-08	9.07E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
1518	494311.06, 3858601.99	1.09E-03	3.45E-07	1.00E-07	1.11E-03	3.52E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
1519	494361.06, 3858601.99	1.13E-03	3.57E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
1520	494411.06, 3858601.99	1.17E-03	3.69E-07	1.07E-07	1.19E-03	3.77E-07	1.10E-07	1.19E-03	3.76E-07	1.09E-07
1521	494461.06, 3858601.99	1.17E-03	3.68E-07	1.07E-07	1.19E-03	3.76E-07	1.09E-07	1.19E-03	3.75E-07	1.09E-07

1522	494511.06, 3858601.99	1.15E-03	3.64E-07	1.06E-07	1.18E-03	3.71E-07	1.08E-07	1.18E-03	3.71E-07	1.08E-07
1523	494561.06, 3858601.99	1.16E-03	3.65E-07	1.06E-07	1.18E-03	3.73E-07	1.08E-07	1.18E-03	3.72E-07	1.08E-07
1524	494611.06, 3858601.99	1.15E-03	3.62E-07	1.05E-07	1.17E-03	3.69E-07	1.07E-07	1.17E-03	3.69E-07	1.07E-07
1525	494661.06, 3858601.99	1.14E-03	3.59E-07	1.04E-07	1.16E-03	3.66E-07	1.07E-07	1.16E-03	3.66E-07	1.06E-07
1526	494711.06, 3858601.99	1.12E-03	3.55E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07
1527	494761.06, 3858601.99	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.58E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
1528	494811.06, 3858601.99	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
1529	494861.06, 3858601.99	1.08E-03	3.40E-07	9.90E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
1530	494911.06, 3858601.99	1.06E-03	3.34E-07	9.73E-08	1.08E-03	3.41E-07	9.93E-08	1.08E-03	3.41E-07	9.91E-08
1531	494961.06, 3858601.99	1.05E-03	3.30E-07	9.60E-08	1.07E-03	3.37E-07	9.80E-08	1.07E-03	3.36E-07	9.78E-08
1532	495011.06, 3858601.99	1.03E-03	3.26E-07	9.47E-08	1.05E-03	3.32E-07	9.66E-08	1.05E-03	3.32E-07	9.65E-08
1533	495061.06, 3858601.99	1.02E-03	3.21E-07	9.33E-08	1.04E-03	3.27E-07	9.52E-08	1.04E-03	3.27E-07	9.51E-08
1534	495111.06, 3858601.99	9.95E-04	3.14E-07	9.13E-08	1.02E-03	3.20E-07	9.32E-08	1.01E-03	3.20E-07	9.31E-08
1535	495161.06, 3858601.99	9.83E-04	3.10E-07	9.02E-08	1.00E-03	3.16E-07	9.21E-08	1.00E-03	3.16E-07	9.19E-08
1536	495211.06, 3858601.99	9.75E-04	3.08E-07	8.95E-08	9.95E-04	3.14E-07	9.13E-08	9.93E-04	3.14E-07	9.12E-08
1537	495261.06, 3858601.99	9.66E-04	3.05E-07	8.86E-08	9.85E-04	3.11E-07	9.05E-08	9.84E-04	3.11E-07	9.04E-08
1538	495311.06, 3858601.99	9.59E-04	3.03E-07	8.80E-08	9.78E-04	3.09E-07	8.98E-08	9.77E-04	3.08E-07	8.97E-08
1539	495361.06, 3858601.99	9.54E-04	3.01E-07	8.76E-08	9.74E-04	3.07E-07	8.94E-08	9.73E-04	3.07E-07	8.93E-08
1540	495411.06, 3858601.99	9.50E-04	3.00E-07	8.72E-08	9.70E-04	3.06E-07	8.90E-08	9.69E-04	3.06E-07	8.89E-08
1541	495461.06, 3858601.99	9.47E-04	2.99E-07	8.69E-08	9.66E-04	3.05E-07	8.87E-08	9.65E-04	3.05E-07	8.86E-08
1542	495511.06, 3858601.99	9.39E-04	2.96E-07	8.62E-08	9.58E-04	3.02E-07	8.80E-08	9.57E-04	3.02E-07	8.79E-08
1543	495561.06, 3858601.99	9.37E-04	2.96E-07	8.60E-08	9.56E-04	3.02E-07	8.78E-08	9.55E-04	3.01E-07	8.77E-08
1544	495611.06, 3858601.99	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.70E-08	9.46E-04	2.99E-07	8.68E-08
1545	495661.06, 3858601.99	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.66E-08	9.43E-04	2.98E-07	8.65E-08
1546	494311.06, 3858651.99	1.13E-03	3.55E-07	1.03E-07	1.15E-03	3.63E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07
1547	494361.06, 3858651.99	1.16E-03	3.67E-07	1.07E-07	1.19E-03	3.75E-07	1.09E-07	1.19E-03	3.74E-07	1.09E-07
1548	494411.06, 3858651.99	1.21E-03	3.83E-07	1.11E-07	1.24E-03	3.91E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
1549	494461.06, 3858651.99	1.23E-03	3.87E-07	1.13E-07	1.25E-03	3.95E-07	1.15E-07	1.25E-03	3.95E-07	1.15E-07
1550	494511.06, 3858651.99	1.22E-03	3.85E-07	1.12E-07	1.24E-03	3.93E-07	1.14E-07	1.24E-03	3.92E-07	1.14E-07
1551	494561.06, 3858651.99	1.21E-03	3.83E-07	1.11E-07	1.24E-03	3.91E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
1552	494611.06, 3858651.99	1.21E-03	3.81E-07	1.11E-07	1.23E-03	3.89E-07	1.13E-07	1.23E-03	3.88E-07	1.13E-07
1553	494661.06, 3858651.99	1.19E-03	3.77E-07	1.10E-07	1.22E-03	3.85E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
1554	494711.06, 3858651.99	1.18E-03	3.72E-07	1.08E-07	1.20E-03	3.80E-07	1.10E-07	1.20E-03	3.79E-07	1.10E-07
1555	494761.06, 3858651.99	1.17E-03	3.68E-07	1.07E-07	1.19E-03	3.75E-07	1.09E-07	1.19E-03	3.75E-07	1.09E-07
1556	494811.06, 3858651.99	1.15E-03	3.62E-07	1.05E-07	1.17E-03	3.69E-07	1.07E-07	1.17E-03	3.69E-07	1.07E-07
1557	494861.06, 3858651.99	1.13E-03	3.56E-07	1.04E-07	1.15E-03	3.63E-07	1.06E-07	1.15E-03	3.63E-07	1.06E-07
1558	494911.06, 3858651.99	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.56E-07	1.04E-07
1559	494961.06, 3858651.99	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
1560	495011.06, 3858651.99	1.08E-03	3.40E-07	9.88E-08	1.10E-03	3.46E-07	1.01E-07	1.10E-03	3.46E-07	1.01E-07
1561	495061.06, 3858651.99	1.06E-03	3.34E-07	9.73E-08	1.08E-03	3.41E-07	9.93E-08	1.08E-03	3.41E-07	9.91E-08
1562	495111.06, 3858651.99	1.04E-03	3.29E-07	9.56E-08	1.06E-03	3.35E-07	9.75E-08	1.06E-03	3.35E-07	9.74E-08
1563	495161.06, 3858651.99	1.03E-03	3.25E-07	9.45E-08	1.05E-03	3.31E-07	9.64E-08	1.05E-03	3.31E-07	9.63E-08
1564	495211.06, 3858651.99	1.01E-03	3.20E-07	9.31E-08	1.04E-03	3.27E-07	9.50E-08	1.03E-03	3.26E-07	9.49E-08
1565	495261.06, 3858651.99	1.01E-03	3.19E-07	9.27E-08	1.03E-03	3.25E-07	9.46E-08	1.03E-03	3.25E-07	9.45E-08
1566	495311.06, 3858651.99	1.00E-03	3.16E-07	9.20E-08	1.02E-03	3.23E-07	9.39E-08	1.02E-03	3.22E-07	9.38E-08
1567	495361.06, 3858651.99	9.97E-04	3.15E-07	9.15E-08	1.02E-03	3.21E-07	9.34E-08	1.02E-03	3.21E-07	9.33E-08
1568	495411.06, 3858651.99	9.93E-04	3.14E-07	9.12E-08	1.01E-03	3.20E-07	9.31E-08	1.01E-03	3.20E-07	9.29E-08
1569	495461.06, 3858651.99	9.92E-04	3.13E-07	9.10E-08	1.01E-03	3.19E-07	9.29E-08	1.01E-03	3.19E-07	9.28E-08
1570	495511.06, 3858651.99	9.82E-04	3.10E-07	9.02E-08	1.00E-03	3.16E-07	9.20E-08	1.00E-03	3.16E-07	9.19E-08
1571	495561.06, 3858651.99	9.75E-04	3.08E-07	8.95E-08	9.95E-04	3.14E-07	9.14E-08	9.94E-04	3.14E-07	9.13E-08
1572	495611.06, 3858651.99	9.65E-04	3.04E-07	8.86E-08	9.84E-04	3.11E-07	9.04E-08	9.83E-04	3.10E-07	9.03E-08
1573	495661.06, 3858651.99	9.61E-04	3.03E-07	8.82E-08	9.81E-04	3.09E-07	9.00E-08	9.79E-04	3.09E-07	8.99E-08
1574	494311.06, 3858701.99	1.18E-03	3.73E-07	1.08E-07	1.21E-03	3.80E-07	1.11E-07	1.20E-03	3.80E-07	1.11E-07
1575	494361.06, 3858701.99	1.24E-03	3.91E-07	1.14E-07	1.26E-03	3.99E-07	1.16E-07	1.26E-03	3.98E-07	1.16E-07
1576	494411.06, 3858701.99	1.27E-03	4.02E-07	1.17E-07	1.30E-03	4.11E-07	1.19E-07	1.30E-03	4.10E-07	1.19E-07
1577	494461.06, 3858701.99	1.27E-03	4.02E-07	1.17E-07	1.30E-03	4.10E-07	1.19E-07	1.30E-03	4.10E-07	1.19E-07
1578	494511.06, 3858701.99	1.28E-03	4.04E-07	1.18E-07	1.31E-03	4.12E-07	1.20E-07	1.31E-03	4.12E-07	1.20E-07
1579	494561.06, 3858701.99	1.27E-03	4.02E-07	1.17E-07	1.30E-03	4.10E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
1580	494611.06, 3858701.99	1.25E-03	3.95E-07	1.15E-07	1.28E-03	4.03E-07	1.17E-07	1.28E-03	4.03E-07	1.17E-07
1581	494661.06, 3858701.99	1.25E-03	3.94E-07	1.15E-07	1.28E-03	4.02E-07	1.17E-07	1.27E-03	4.02E-07	1.17E-07
1582	494711.06, 3858701.99	1.20E-03	3.80E-07	1.11E-07	1.23E-03	3.88E-07	1.13E-07	1.23E-03	3.88E-07	1.13E-07

1583	494761.06, 3858701.99	1.21E-03	3.83E-07	1.11E-07	1.24E-03	3.91E-07	1.14E-07	1.24E-03	3.90E-07	1.13E-07
1584	494811.06, 3858701.99	1.19E-03	3.76E-07	1.09E-07	1.22E-03	3.84E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
1585	494861.06, 3858701.99	1.18E-03	3.71E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.78E-07	1.10E-07
1586	494911.06, 3858701.99	1.16E-03	3.66E-07	1.07E-07	1.18E-03	3.74E-07	1.09E-07	1.18E-03	3.73E-07	1.09E-07
1587	494961.06, 3858701.99	1.13E-03	3.57E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
1588	495011.06, 3858701.99	1.11E-03	3.52E-07	1.02E-07	1.14E-03	3.59E-07	1.04E-07	1.14E-03	3.58E-07	1.04E-07
1589	495061.06, 3858701.99	1.11E-03	3.49E-07	1.01E-07	1.13E-03	3.56E-07	1.04E-07	1.13E-03	3.56E-07	1.03E-07
1590	495111.06, 3858701.99	1.08E-03	3.42E-07	9.95E-08	1.11E-03	3.49E-07	1.02E-07	1.11E-03	3.49E-07	1.01E-07
1591	495161.06, 3858701.99	1.07E-03	3.39E-07	9.85E-08	1.10E-03	3.46E-07	1.01E-07	1.09E-03	3.45E-07	1.00E-07
1592	495211.06, 3858701.99	1.06E-03	3.34E-07	9.71E-08	1.08E-03	3.41E-07	9.91E-08	1.08E-03	3.40E-07	9.90E-08
1593	495261.06, 3858701.99	1.05E-03	3.33E-07	9.67E-08	1.08E-03	3.39E-07	9.87E-08	1.07E-03	3.39E-07	9.86E-08
1594	495311.06, 3858701.99	1.05E-03	3.31E-07	9.63E-08	1.07E-03	3.38E-07	9.83E-08	1.07E-03	3.37E-07	9.82E-08
1595	495361.06, 3858701.99	1.04E-03	3.29E-07	9.57E-08	1.06E-03	3.36E-07	9.76E-08	1.06E-03	3.35E-07	9.75E-08
1596	495411.06, 3858701.99	1.04E-03	3.28E-07	9.54E-08	1.06E-03	3.35E-07	9.74E-08	1.06E-03	3.34E-07	9.72E-08
1597	495461.06, 3858701.99	1.03E-03	3.26E-07	9.49E-08	1.05E-03	3.33E-07	9.68E-08	1.05E-03	3.33E-07	9.67E-08
1598	495511.06, 3858701.99	1.03E-03	3.24E-07	9.42E-08	1.05E-03	3.30E-07	9.61E-08	1.05E-03	3.30E-07	9.60E-08
1599	495561.06, 3858701.99	1.02E-03	3.21E-07	9.33E-08	1.04E-03	3.27E-07	9.52E-08	1.04E-03	3.27E-07	9.51E-08
1600	495611.06, 3858701.99	1.01E-03	3.18E-07	9.24E-08	1.03E-03	3.24E-07	9.43E-08	1.03E-03	3.24E-07	9.42E-08
1601	495661.06, 3858701.99	1.00E-03	3.16E-07	9.18E-08	1.02E-03	3.22E-07	9.37E-08	1.02E-03	3.22E-07	9.35E-08
1602	494311.06, 3858751.99	1.24E-03	3.91E-07	1.14E-07	1.26E-03	3.99E-07	1.16E-07	1.26E-03	3.99E-07	1.16E-07
1603	494361.06, 3858751.99	1.31E-03	4.14E-07	1.20E-07	1.34E-03	4.22E-07	1.23E-07	1.34E-03	4.22E-07	1.23E-07
1604	494411.06, 3858751.99	1.34E-03	4.23E-07	1.23E-07	1.37E-03	4.32E-07	1.26E-07	1.37E-03	4.31E-07	1.25E-07
1605	494461.06, 3858751.99	1.34E-03	4.23E-07	1.23E-07	1.37E-03	4.32E-07	1.26E-07	1.37E-03	4.31E-07	1.25E-07
1606	494511.06, 3858751.99	1.35E-03	4.26E-07	1.24E-07	1.38E-03	4.35E-07	1.26E-07	1.38E-03	4.34E-07	1.26E-07
1607	494561.06, 3858751.99	1.33E-03	4.20E-07	1.22E-07	1.36E-03	4.28E-07	1.25E-07	1.35E-03	4.28E-07	1.24E-07
1608	494611.06, 3858751.99	1.31E-03	4.14E-07	1.21E-07	1.34E-03	4.23E-07	1.23E-07	1.34E-03	4.22E-07	1.23E-07
1609	494661.06, 3858751.99	1.30E-03	4.09E-07	1.19E-07	1.32E-03	4.18E-07	1.22E-07	1.32E-03	4.17E-07	1.21E-07
1610	494711.06, 3858751.99	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.29E-03	4.09E-07	1.19E-07
1611	494761.06, 3858751.99	1.27E-03	4.00E-07	1.16E-07	1.29E-03	4.08E-07	1.19E-07	1.29E-03	4.08E-07	1.19E-07
1612	494811.06, 3858751.99	1.24E-03	3.93E-07	1.14E-07	1.27E-03	4.01E-07	1.17E-07	1.27E-03	4.00E-07	1.16E-07
1613	494861.06, 3858751.99	1.22E-03	3.86E-07	1.12E-07	1.25E-03	3.94E-07	1.15E-07	1.25E-03	3.93E-07	1.14E-07
1614	494911.06, 3858751.99	1.20E-03	3.79E-07	1.10E-07	1.22E-03	3.86E-07	1.12E-07	1.22E-03	3.86E-07	1.12E-07
1615	494961.06, 3858751.99	1.18E-03	3.73E-07	1.09E-07	1.21E-03	3.81E-07	1.11E-07	1.21E-03	3.80E-07	1.11E-07
1616	495011.06, 3858751.99	1.17E-03	3.69E-07	1.07E-07	1.19E-03	3.77E-07	1.10E-07	1.19E-03	3.76E-07	1.10E-07
1617	495061.06, 3858751.99	1.15E-03	3.64E-07	1.06E-07	1.18E-03	3.71E-07	1.08E-07	1.17E-03	3.71E-07	1.08E-07
1618	495111.06, 3858751.99	1.13E-03	3.57E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
1619	495161.06, 3858751.99	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.61E-07	1.05E-07	1.14E-03	3.60E-07	1.05E-07
1620	495211.06, 3858751.99	1.10E-03	3.48E-07	1.01E-07	1.13E-03	3.56E-07	1.03E-07	1.13E-03	3.55E-07	1.03E-07
1621	495261.06, 3858751.99	1.10E-03	3.47E-07	1.01E-07	1.12E-03	3.54E-07	1.03E-07	1.12E-03	3.53E-07	1.03E-07
1622	495311.06, 3858751.99	1.09E-03	3.45E-07	1.00E-07	1.12E-03	3.52E-07	1.02E-07	1.11E-03	3.52E-07	1.02E-07
1623	495361.06, 3858751.99	1.09E-03	3.43E-07	9.97E-08	1.11E-03	3.50E-07	1.02E-07	1.11E-03	3.49E-07	1.02E-07
1624	495411.06, 3858751.99	1.08E-03	3.42E-07	9.95E-08	1.11E-03	3.49E-07	1.02E-07	1.11E-03	3.49E-07	1.01E-07
1625	495461.06, 3858751.99	1.08E-03	3.40E-07	9.90E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
1626	495511.06, 3858751.99	1.07E-03	3.37E-07	9.82E-08	1.09E-03	3.44E-07	1.00E-07	1.09E-03	3.44E-07	1.00E-07
1627	495561.06, 3858751.99	1.06E-03	3.34E-07	9.73E-08	1.08E-03	3.41E-07	9.93E-08	1.08E-03	3.41E-07	9.91E-08
1628	495611.06, 3858751.99	1.05E-03	3.31E-07	9.64E-08	1.07E-03	3.38E-07	9.83E-08	1.07E-03	3.38E-07	9.82E-08
1629	495661.06, 3858751.99	1.04E-03	3.29E-07	9.56E-08	1.06E-03	3.35E-07	9.76E-08	1.06E-03	3.35E-07	9.74E-08
1630	494311.06, 3858801.99	1.32E-03	4.15E-07	1.21E-07	1.34E-03	4.24E-07	1.23E-07	1.34E-03	4.23E-07	1.23E-07
1631	494361.06, 3858801.99	1.38E-03	4.37E-07	1.27E-07	1.41E-03	4.46E-07	1.30E-07	1.41E-03	4.45E-07	1.30E-07
1632	494411.06, 3858801.99	1.40E-03	4.42E-07	1.28E-07	1.43E-03	4.51E-07	1.31E-07	1.43E-03	4.50E-07	1.31E-07
1633	494461.06, 3858801.99	1.41E-03	4.44E-07	1.29E-07	1.43E-03	4.53E-07	1.32E-07	1.43E-03	4.52E-07	1.32E-07
1634	494511.06, 3858801.99	1.42E-03	4.47E-07	1.30E-07	1.45E-03	4.57E-07	1.33E-07	1.44E-03	4.56E-07	1.33E-07
1635	494561.06, 3858801.99	1.41E-03	4.45E-07	1.29E-07	1.44E-03	4.54E-07	1.32E-07	1.44E-03	4.54E-07	1.32E-07
1636	494611.06, 3858801.99	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.42E-03	4.49E-07	1.31E-07
1637	494661.06, 3858801.99	1.38E-03	4.34E-07	1.26E-07	1.40E-03	4.43E-07	1.29E-07	1.40E-03	4.42E-07	1.29E-07
1638	494711.06, 3858801.99	1.35E-03	4.26E-07	1.24E-07	1.38E-03	4.35E-07	1.26E-07	1.38E-03	4.34E-07	1.26E-07
1639	494761.06, 3858801.99	1.32E-03	4.17E-07	1.21E-07	1.35E-03	4.26E-07	1.24E-07	1.35E-03	4.25E-07	1.24E-07
1640	494811.06, 3858801.99	1.29E-03	4.08E-07	1.19E-07	1.32E-03	4.16E-07	1.21E-07	1.32E-03	4.16E-07	1.21E-07
1641	494861.06, 3858801.99	1.28E-03	4.03E-07	1.17E-07	1.30E-03	4.11E-07	1.19E-07	1.30E-03	4.10E-07	1.19E-07
1642	494911.06, 3858801.99	1.25E-03	3.95E-07	1.15E-07	1.28E-03	4.03E-07	1.17E-07	1.28E-03	4.03E-07	1.17E-07
1643	494961.06, 3858801.99	1.23E-03	3.89E-07	1.13E-07	1.26E-03	3.97E-07	1.16E-07	1.26E-03	3.97E-07	1.15E-07

1644	495011.06, 3858801.99	1.21E-03	3.83E-07	1.12E-07	1.24E-03	3.91E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
1645	495061.06, 3858801.99	1.20E-03	3.79E-07	1.10E-07	1.23E-03	3.87E-07	1.13E-07	1.23E-03	3.87E-07	1.12E-07
1646	495111.06, 3858801.99	1.18E-03	3.72E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.79E-07	1.10E-07
1647	495161.06, 3858801.99	1.16E-03	3.66E-07	1.07E-07	1.18E-03	3.74E-07	1.09E-07	1.18E-03	3.73E-07	1.09E-07
1648	495211.06, 3858801.99	1.15E-03	3.63E-07	1.06E-07	1.17E-03	3.70E-07	1.08E-07	1.17E-03	3.70E-07	1.08E-07
1649	495261.06, 3858801.99	1.14E-03	3.61E-07	1.05E-07	1.17E-03	3.68E-07	1.07E-07	1.17E-03	3.68E-07	1.07E-07
1650	495311.06, 3858801.99	1.14E-03	3.60E-07	1.05E-07	1.16E-03	3.67E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
1651	495361.06, 3858801.99	1.13E-03	3.57E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
1652	495411.06, 3858801.99	1.13E-03	3.57E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
1653	495461.06, 3858801.99	1.12E-03	3.55E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07
1654	495511.06, 3858801.99	1.11E-03	3.52E-07	1.02E-07	1.14E-03	3.59E-07	1.04E-07	1.14E-03	3.58E-07	1.04E-07
1655	495561.06, 3858801.99	1.10E-03	3.49E-07	1.01E-07	1.13E-03	3.56E-07	1.03E-07	1.13E-03	3.55E-07	1.03E-07
1656	495611.06, 3858801.99	1.09E-03	3.45E-07	1.00E-07	1.11E-03	3.52E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
1657	495661.06, 3858801.99	1.08E-03	3.42E-07	9.96E-08	1.11E-03	3.49E-07	1.02E-07	1.11E-03	3.49E-07	1.02E-07
1658	494311.06, 3858851.99	1.44E-03	4.56E-07	1.33E-07	1.47E-03	4.65E-07	1.35E-07	1.47E-03	4.64E-07	1.35E-07
1659	494361.06, 3858851.99	1.48E-03	4.69E-07	1.36E-07	1.52E-03	4.78E-07	1.39E-07	1.51E-03	4.78E-07	1.39E-07
1660	494411.06, 3858851.99	1.48E-03	4.67E-07	1.36E-07	1.51E-03	4.76E-07	1.39E-07	1.51E-03	4.76E-07	1.38E-07
1661	494461.06, 3858851.99	1.48E-03	4.67E-07	1.36E-07	1.51E-03	4.76E-07	1.39E-07	1.51E-03	4.76E-07	1.38E-07
1662	494511.06, 3858851.99	1.49E-03	4.69E-07	1.36E-07	1.52E-03	4.78E-07	1.39E-07	1.51E-03	4.78E-07	1.39E-07
1663	494561.06, 3858851.99	1.48E-03	4.66E-07	1.35E-07	1.51E-03	4.75E-07	1.38E-07	1.50E-03	4.75E-07	1.38E-07
1664	494611.06, 3858851.99	1.46E-03	4.60E-07	1.34E-07	1.49E-03	4.69E-07	1.37E-07	1.49E-03	4.69E-07	1.36E-07
1665	494661.06, 3858851.99	1.44E-03	4.53E-07	1.32E-07	1.46E-03	4.62E-07	1.34E-07	1.46E-03	4.62E-07	1.34E-07
1666	494711.06, 3858851.99	1.40E-03	4.43E-07	1.29E-07	1.43E-03	4.52E-07	1.31E-07	1.43E-03	4.51E-07	1.31E-07
1667	494761.06, 3858851.99	1.37E-03	4.33E-07	1.26E-07	1.40E-03	4.42E-07	1.29E-07	1.40E-03	4.42E-07	1.29E-07
1668	494811.06, 3858851.99	1.35E-03	4.26E-07	1.24E-07	1.38E-03	4.34E-07	1.26E-07	1.37E-03	4.34E-07	1.26E-07
1669	494861.06, 3858851.99	1.33E-03	4.20E-07	1.22E-07	1.36E-03	4.29E-07	1.25E-07	1.36E-03	4.28E-07	1.25E-07
1670	494911.06, 3858851.99	1.31E-03	4.13E-07	1.20E-07	1.34E-03	4.21E-07	1.23E-07	1.33E-03	4.21E-07	1.22E-07
1671	494961.06, 3858851.99	1.29E-03	4.07E-07	1.18E-07	1.31E-03	4.15E-07	1.21E-07	1.31E-03	4.14E-07	1.21E-07
1672	495011.06, 3858851.99	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
1673	495061.06, 3858851.99	1.25E-03	3.95E-07	1.15E-07	1.28E-03	4.03E-07	1.17E-07	1.28E-03	4.03E-07	1.17E-07
1674	495111.06, 3858851.99	1.22E-03	3.85E-07	1.12E-07	1.24E-03	3.93E-07	1.14E-07	1.24E-03	3.92E-07	1.14E-07
1675	495161.06, 3858851.99	1.20E-03	3.79E-07	1.10E-07	1.23E-03	3.87E-07	1.12E-07	1.22E-03	3.86E-07	1.12E-07
1676	495211.06, 3858851.99	1.20E-03	3.78E-07	1.10E-07	1.22E-03	3.86E-07	1.12E-07	1.22E-03	3.86E-07	1.12E-07
1677	495261.06, 3858851.99	1.19E-03	3.76E-07	1.09E-07	1.22E-03	3.84E-07	1.12E-07	1.21E-03	3.83E-07	1.12E-07
1678	495311.06, 3858851.99	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.83E-07	1.11E-07	1.21E-03	3.82E-07	1.11E-07
1679	495361.06, 3858851.99	1.18E-03	3.73E-07	1.09E-07	1.21E-03	3.81E-07	1.11E-07	1.20E-03	3.80E-07	1.11E-07
1680	495411.06, 3858851.99	1.18E-03	3.71E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.78E-07	1.10E-07
1681	495461.06, 3858851.99	1.17E-03	3.70E-07	1.08E-07	1.19E-03	3.77E-07	1.10E-07	1.19E-03	3.77E-07	1.10E-07
1682	495511.06, 3858851.99	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.73E-07	1.09E-07	1.18E-03	3.73E-07	1.08E-07
1683	495561.06, 3858851.99	1.15E-03	3.61E-07	1.05E-07	1.17E-03	3.69E-07	1.07E-07	1.17E-03	3.68E-07	1.07E-07
1684	495611.06, 3858851.99	1.13E-03	3.57E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
1685	495661.06, 3858851.99	1.13E-03	3.55E-07	1.03E-07	1.15E-03	3.63E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07
1686	494311.06, 3858901.99	1.53E-03	4.83E-07	1.41E-07	1.56E-03	4.93E-07	1.43E-07	1.56E-03	4.93E-07	1.43E-07
1687	494361.06, 3858901.99	1.56E-03	4.93E-07	1.43E-07	1.59E-03	5.03E-07	1.46E-07	1.59E-03	5.03E-07	1.46E-07
1688	494411.06, 3858901.99	1.56E-03	4.93E-07	1.43E-07	1.59E-03	5.03E-07	1.46E-07	1.59E-03	5.03E-07	1.46E-07
1689	494461.06, 3858901.99	1.57E-03	4.97E-07	1.44E-07	1.61E-03	5.07E-07	1.47E-07	1.60E-03	5.06E-07	1.47E-07
1690	494511.06, 3858901.99	1.57E-03	4.95E-07	1.44E-07	1.60E-03	5.05E-07	1.47E-07	1.60E-03	5.05E-07	1.47E-07
1691	494561.06, 3858901.99	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
1692	494611.06, 3858901.99	1.52E-03	4.78E-07	1.39E-07	1.55E-03	4.88E-07	1.42E-07	1.54E-03	4.87E-07	1.42E-07
1693	494661.06, 3858901.99	1.50E-03	4.72E-07	1.37E-07	1.53E-03	4.82E-07	1.40E-07	1.52E-03	4.81E-07	1.40E-07
1694	494711.06, 3858901.99	1.47E-03	4.62E-07	1.34E-07	1.49E-03	4.72E-07	1.37E-07	1.49E-03	4.71E-07	1.37E-07
1695	494761.06, 3858901.99	1.43E-03	4.51E-07	1.31E-07	1.46E-03	4.60E-07	1.34E-07	1.46E-03	4.60E-07	1.34E-07
1696	494811.06, 3858901.99	1.41E-03	4.44E-07	1.29E-07	1.44E-03	4.53E-07	1.32E-07	1.43E-03	4.53E-07	1.32E-07
1697	494861.06, 3858901.99	1.39E-03	4.39E-07	1.28E-07	1.42E-03	4.48E-07	1.30E-07	1.42E-03	4.47E-07	1.30E-07
1698	494911.06, 3858901.99	1.36E-03	4.28E-07	1.25E-07	1.39E-03	4.37E-07	1.27E-07	1.38E-03	4.37E-07	1.27E-07
1699	494961.06, 3858901.99	1.34E-03	4.22E-07	1.23E-07	1.37E-03	4.31E-07	1.25E-07	1.36E-03	4.30E-07	1.25E-07
1700	495011.06, 3858901.99	1.32E-03	4.16E-07	1.21E-07	1.35E-03	4.25E-07	1.24E-07	1.34E-03	4.24E-07	1.23E-07
1701	495061.06, 3858901.99	1.29E-03	4.08E-07	1.19E-07	1.32E-03	4.17E-07	1.21E-07	1.32E-03	4.16E-07	1.21E-07
1702	495111.06, 3858901.99	1.26E-03	3.97E-07	1.16E-07	1.28E-03	4.05E-07	1.18E-07	1.28E-03	4.05E-07	1.18E-07
1703	495161.06, 3858901.99	1.25E-03	3.93E-07	1.14E-07	1.27E-03	4.01E-07	1.17E-07	1.27E-03	4.01E-07	1.17E-07
1704	495211.06, 3858901.99	1.25E-03	3.94E-07	1.15E-07	1.27E-03	4.02E-07	1.17E-07	1.27E-03	4.02E-07	1.17E-07

1705	495261.06, 3858901.99	1.24E-03	3.92E-07	1.14E-07	1.27E-03	4.00E-07	1.16E-07	1.27E-03	4.00E-07	1.16E-07
1706	495311.06, 3858901.99	1.24E-03	3.90E-07	1.13E-07	1.26E-03	3.98E-07	1.16E-07	1.26E-03	3.97E-07	1.16E-07
1707	495361.06, 3858901.99	1.23E-03	3.88E-07	1.13E-07	1.25E-03	3.96E-07	1.15E-07	1.25E-03	3.95E-07	1.15E-07
1708	495411.06, 3858901.99	1.23E-03	3.87E-07	1.13E-07	1.25E-03	3.95E-07	1.15E-07	1.25E-03	3.94E-07	1.15E-07
1709	495461.06, 3858901.99	1.22E-03	3.84E-07	1.12E-07	1.24E-03	3.92E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
1710	495511.06, 3858901.99	1.20E-03	3.79E-07	1.10E-07	1.23E-03	3.87E-07	1.13E-07	1.23E-03	3.87E-07	1.12E-07
1711	495561.06, 3858901.99	1.19E-03	3.76E-07	1.09E-07	1.21E-03	3.83E-07	1.12E-07	1.21E-03	3.83E-07	1.11E-07
1712	495611.06, 3858901.99	1.18E-03	3.71E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.78E-07	1.10E-07
1713	495661.06, 3858901.99	1.17E-03	3.70E-07	1.08E-07	1.19E-03	3.77E-07	1.10E-07	1.19E-03	3.77E-07	1.10E-07
1714	494311.06, 3858951.99	1.65E-03	5.19E-07	1.51E-07	1.68E-03	5.30E-07	1.54E-07	1.68E-03	5.29E-07	1.54E-07
1715	494361.06, 3858951.99	1.66E-03	5.23E-07	1.52E-07	1.69E-03	5.33E-07	1.55E-07	1.69E-03	5.33E-07	1.55E-07
1716	494411.06, 3858951.99	1.64E-03	5.18E-07	1.51E-07	1.67E-03	5.28E-07	1.54E-07	1.67E-03	5.27E-07	1.53E-07
1717	494461.06, 3858951.99	1.65E-03	5.22E-07	1.52E-07	1.69E-03	5.32E-07	1.55E-07	1.68E-03	5.32E-07	1.55E-07
1718	494511.06, 3858951.99	1.64E-03	5.18E-07	1.51E-07	1.67E-03	5.28E-07	1.54E-07	1.67E-03	5.28E-07	1.53E-07
1719	494561.06, 3858951.99	1.62E-03	5.11E-07	1.49E-07	1.65E-03	5.21E-07	1.52E-07	1.65E-03	5.21E-07	1.51E-07
1720	494611.06, 3858951.99	1.59E-03	5.01E-07	1.46E-07	1.62E-03	5.11E-07	1.49E-07	1.62E-03	5.11E-07	1.49E-07
1721	494661.06, 3858951.99	1.56E-03	4.92E-07	1.43E-07	1.59E-03	5.02E-07	1.46E-07	1.59E-03	5.02E-07	1.46E-07
1722	494711.06, 3858951.99	1.52E-03	4.80E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.89E-07	1.42E-07
1723	494761.06, 3858951.99	1.49E-03	4.71E-07	1.37E-07	1.52E-03	4.81E-07	1.40E-07	1.52E-03	4.80E-07	1.40E-07
1724	494811.06, 3858951.99	1.47E-03	4.65E-07	1.35E-07	1.50E-03	4.74E-07	1.38E-07	1.50E-03	4.74E-07	1.38E-07
1725	494861.06, 3858951.99	1.45E-03	4.58E-07	1.33E-07	1.48E-03	4.68E-07	1.36E-07	1.48E-03	4.67E-07	1.36E-07
1726	494911.06, 3858951.99	1.42E-03	4.49E-07	1.31E-07	1.45E-03	4.58E-07	1.33E-07	1.45E-03	4.58E-07	1.33E-07
1727	494961.06, 3858951.99	1.41E-03	4.44E-07	1.29E-07	1.44E-03	4.53E-07	1.32E-07	1.43E-03	4.53E-07	1.32E-07
1728	495011.06, 3858951.99	1.37E-03	4.31E-07	1.25E-07	1.39E-03	4.40E-07	1.28E-07	1.39E-03	4.40E-07	1.28E-07
1729	495061.06, 3858951.99	1.33E-03	4.19E-07	1.22E-07	1.36E-03	4.28E-07	1.24E-07	1.35E-03	4.27E-07	1.24E-07
1730	495111.06, 3858951.99	1.30E-03	4.10E-07	1.19E-07	1.33E-03	4.18E-07	1.22E-07	1.32E-03	4.18E-07	1.22E-07
1731	495161.06, 3858951.99	1.31E-03	4.12E-07	1.20E-07	1.33E-03	4.21E-07	1.22E-07	1.33E-03	4.20E-07	1.22E-07
1732	495211.06, 3858951.99	1.30E-03	4.11E-07	1.19E-07	1.33E-03	4.19E-07	1.22E-07	1.33E-03	4.18E-07	1.22E-07
1733	495261.06, 3858951.99	1.30E-03	4.09E-07	1.19E-07	1.32E-03	4.17E-07	1.21E-07	1.32E-03	4.17E-07	1.21E-07
1734	495311.06, 3858951.99	1.28E-03	4.04E-07	1.17E-07	1.30E-03	4.12E-07	1.20E-07	1.30E-03	4.11E-07	1.20E-07
1735	495361.06, 3858951.99	1.27E-03	4.02E-07	1.17E-07	1.30E-03	4.11E-07	1.19E-07	1.30E-03	4.10E-07	1.19E-07
1736	495411.06, 3858951.99	1.27E-03	4.02E-07	1.17E-07	1.30E-03	4.10E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
1737	495461.06, 3858951.99	1.26E-03	3.99E-07	1.16E-07	1.29E-03	4.07E-07	1.18E-07	1.29E-03	4.06E-07	1.18E-07
1738	495511.06, 3858951.99	1.26E-03	3.97E-07	1.16E-07	1.28E-03	4.05E-07	1.18E-07	1.28E-03	4.05E-07	1.18E-07
1739	495561.06, 3858951.99	1.24E-03	3.90E-07	1.14E-07	1.26E-03	3.98E-07	1.16E-07	1.26E-03	3.98E-07	1.16E-07
1740	495611.06, 3858951.99	1.22E-03	3.86E-07	1.12E-07	1.25E-03	3.94E-07	1.14E-07	1.25E-03	3.93E-07	1.14E-07
1741	495661.06, 3858951.99	1.22E-03	3.84E-07	1.12E-07	1.24E-03	3.92E-07	1.14E-07	1.24E-03	3.92E-07	1.14E-07
1742	494311.06, 3859001.99	1.75E-03	5.52E-07	1.61E-07	1.78E-03	5.63E-07	1.64E-07	1.78E-03	5.63E-07	1.64E-07
1743	494361.06, 3859001.99	1.74E-03	5.50E-07	1.60E-07	1.78E-03	5.61E-07	1.63E-07	1.78E-03	5.60E-07	1.63E-07
1744	494411.06, 3859001.99	1.75E-03	5.51E-07	1.60E-07	1.78E-03	5.63E-07	1.64E-07	1.78E-03	5.62E-07	1.63E-07
1745	494461.06, 3859001.99	1.73E-03	5.47E-07	1.59E-07	1.77E-03	5.58E-07	1.62E-07	1.77E-03	5.58E-07	1.62E-07
1746	494511.06, 3859001.99	1.72E-03	5.43E-07	1.58E-07	1.76E-03	5.54E-07	1.61E-07	1.75E-03	5.53E-07	1.61E-07
1747	494561.06, 3859001.99	1.69E-03	5.33E-07	1.55E-07	1.72E-03	5.44E-07	1.58E-07	1.72E-03	5.43E-07	1.58E-07
1748	494611.06, 3859001.99	1.66E-03	5.23E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.33E-07	1.55E-07
1749	494661.06, 3859001.99	1.62E-03	5.12E-07	1.49E-07	1.66E-03	5.23E-07	1.52E-07	1.65E-03	5.22E-07	1.52E-07
1750	494711.06, 3859001.99	1.58E-03	5.00E-07	1.45E-07	1.61E-03	5.10E-07	1.48E-07	1.61E-03	5.09E-07	1.48E-07
1751	494761.06, 3859001.99	1.56E-03	4.92E-07	1.43E-07	1.59E-03	5.02E-07	1.46E-07	1.59E-03	5.01E-07	1.46E-07
1752	494811.06, 3859001.99	1.54E-03	4.86E-07	1.41E-07	1.57E-03	4.96E-07	1.44E-07	1.57E-03	4.96E-07	1.44E-07
1753	494861.06, 3859001.99	1.51E-03	4.78E-07	1.39E-07	1.54E-03	4.88E-07	1.42E-07	1.54E-03	4.87E-07	1.42E-07
1754	494911.06, 3859001.99	1.49E-03	4.69E-07	1.36E-07	1.52E-03	4.78E-07	1.39E-07	1.51E-03	4.78E-07	1.39E-07
1755	494961.06, 3859001.99	1.46E-03	4.60E-07	1.34E-07	1.49E-03	4.69E-07	1.37E-07	1.49E-03	4.69E-07	1.36E-07
1756	495011.06, 3859001.99	1.39E-03	4.39E-07	1.28E-07	1.42E-03	4.48E-07	1.30E-07	1.42E-03	4.47E-07	1.30E-07
1757	495061.06, 3859001.99	1.37E-03	4.34E-07	1.26E-07	1.40E-03	4.43E-07	1.29E-07	1.40E-03	4.42E-07	1.29E-07
1758	495111.06, 3859001.99	1.34E-03	4.24E-07	1.23E-07	1.37E-03	4.33E-07	1.26E-07	1.37E-03	4.33E-07	1.26E-07
1759	495161.06, 3859001.99	1.36E-03	4.29E-07	1.25E-07	1.39E-03	4.38E-07	1.27E-07	1.39E-03	4.37E-07	1.27E-07
1760	495211.06, 3859001.99	1.35E-03	4.26E-07	1.24E-07	1.38E-03	4.35E-07	1.26E-07	1.38E-03	4.34E-07	1.26E-07
1761	495261.06, 3859001.99	1.35E-03	4.25E-07	1.24E-07	1.37E-03	4.33E-07	1.26E-07	1.37E-03	4.33E-07	1.26E-07
1762	495311.06, 3859001.99	1.33E-03	4.21E-07	1.23E-07	1.36E-03	4.30E-07	1.25E-07	1.36E-03	4.29E-07	1.25E-07
1763	495361.06, 3859001.99	1.33E-03	4.20E-07	1.22E-07	1.36E-03	4.28E-07	1.25E-07	1.35E-03	4.28E-07	1.24E-07
1764	495411.06, 3859001.99	1.32E-03	4.17E-07	1.21E-07	1.35E-03	4.25E-07	1.24E-07	1.35E-03	4.25E-07	1.24E-07
1765	495461.06, 3859001.99	1.31E-03	4.15E-07	1.21E-07	1.34E-03	4.23E-07	1.23E-07	1.34E-03	4.23E-07	1.23E-07

1766	495511.06, 3859001.99	1.30E-03	4.09E-07	1.19E-07	1.32E-03	4.17E-07	1.21E-07	1.32E-03	4.17E-07	1.21E-07
1767	495561.06, 3859001.99	1.28E-03	4.05E-07	1.18E-07	1.31E-03	4.13E-07	1.20E-07	1.31E-03	4.13E-07	1.20E-07
1768	495611.06, 3859001.99	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.29E-03	4.08E-07	1.19E-07
1769	495661.06, 3859001.99	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
1770	494311.06, 3859051.99	1.85E-03	5.83E-07	1.70E-07	1.89E-03	5.95E-07	1.73E-07	1.88E-03	5.95E-07	1.73E-07
1771	494361.06, 3859051.99	1.86E-03	5.86E-07	1.71E-07	1.90E-03	5.98E-07	1.74E-07	1.89E-03	5.98E-07	1.74E-07
1772	494411.06, 3859051.99	1.84E-03	5.80E-07	1.69E-07	1.88E-03	5.92E-07	1.72E-07	1.87E-03	5.91E-07	1.72E-07
1773	494461.06, 3859051.99	1.81E-03	5.73E-07	1.67E-07	1.85E-03	5.84E-07	1.70E-07	1.85E-03	5.84E-07	1.70E-07
1774	494511.06, 3859051.99	1.78E-03	5.63E-07	1.64E-07	1.82E-03	5.75E-07	1.67E-07	1.82E-03	5.74E-07	1.67E-07
1775	494561.06, 3859051.99	1.76E-03	5.55E-07	1.61E-07	1.80E-03	5.67E-07	1.65E-07	1.79E-03	5.66E-07	1.65E-07
1776	494611.06, 3859051.99	1.73E-03	5.45E-07	1.58E-07	1.76E-03	5.56E-07	1.62E-07	1.76E-03	5.55E-07	1.62E-07
1777	494661.06, 3859051.99	1.69E-03	5.34E-07	1.55E-07	1.73E-03	5.45E-07	1.58E-07	1.72E-03	5.44E-07	1.58E-07
1778	494711.06, 3859051.99	1.66E-03	5.24E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.34E-07	1.55E-07
1779	494761.06, 3859051.99	1.63E-03	5.13E-07	1.49E-07	1.66E-03	5.24E-07	1.52E-07	1.66E-03	5.23E-07	1.52E-07
1780	494811.06, 3859051.99	1.60E-03	5.06E-07	1.47E-07	1.64E-03	5.16E-07	1.50E-07	1.63E-03	5.15E-07	1.50E-07
1781	494861.06, 3859051.99	1.58E-03	4.98E-07	1.45E-07	1.61E-03	5.08E-07	1.48E-07	1.61E-03	5.08E-07	1.48E-07
1782	494911.06, 3859051.99	1.54E-03	4.87E-07	1.42E-07	1.57E-03	4.97E-07	1.45E-07	1.57E-03	4.96E-07	1.44E-07
1783	494961.06, 3859051.99	1.49E-03	4.71E-07	1.37E-07	1.52E-03	4.81E-07	1.40E-07	1.52E-03	4.80E-07	1.40E-07
1784	495011.06, 3859051.99	1.46E-03	4.60E-07	1.34E-07	1.49E-03	4.69E-07	1.36E-07	1.48E-03	4.68E-07	1.36E-07
1785	495061.06, 3859051.99	1.43E-03	4.52E-07	1.31E-07	1.46E-03	4.61E-07	1.34E-07	1.46E-03	4.60E-07	1.34E-07
1786	495111.06, 3859051.99	1.41E-03	4.46E-07	1.30E-07	1.44E-03	4.56E-07	1.33E-07	1.44E-03	4.55E-07	1.32E-07
1787	495161.06, 3859051.99	1.42E-03	4.48E-07	1.30E-07	1.45E-03	4.57E-07	1.33E-07	1.45E-03	4.57E-07	1.33E-07
1788	495211.06, 3859051.99	1.40E-03	4.42E-07	1.29E-07	1.43E-03	4.51E-07	1.31E-07	1.43E-03	4.51E-07	1.31E-07
1789	495261.06, 3859051.99	1.40E-03	4.42E-07	1.29E-07	1.43E-03	4.51E-07	1.31E-07	1.43E-03	4.51E-07	1.31E-07
1790	495311.06, 3859051.99	1.39E-03	4.38E-07	1.27E-07	1.42E-03	4.47E-07	1.30E-07	1.41E-03	4.46E-07	1.30E-07
1791	495361.06, 3859051.99	1.38E-03	4.35E-07	1.27E-07	1.41E-03	4.44E-07	1.29E-07	1.41E-03	4.44E-07	1.29E-07
1792	495411.06, 3859051.99	1.37E-03	4.34E-07	1.26E-07	1.40E-03	4.43E-07	1.29E-07	1.40E-03	4.42E-07	1.29E-07
1793	495461.06, 3859051.99	1.37E-03	4.32E-07	1.26E-07	1.40E-03	4.41E-07	1.28E-07	1.40E-03	4.40E-07	1.28E-07
1794	495511.06, 3859051.99	1.35E-03	4.26E-07	1.24E-07	1.38E-03	4.34E-07	1.26E-07	1.37E-03	4.34E-07	1.26E-07
1795	495561.06, 3859051.99	1.33E-03	4.20E-07	1.22E-07	1.36E-03	4.29E-07	1.25E-07	1.36E-03	4.28E-07	1.25E-07
1796	495611.06, 3859051.99	1.32E-03	4.16E-07	1.21E-07	1.34E-03	4.24E-07	1.23E-07	1.34E-03	4.24E-07	1.23E-07
1797	495661.06, 3859051.99	1.32E-03	4.16E-07	1.21E-07	1.34E-03	4.24E-07	1.23E-07	1.34E-03	4.24E-07	1.23E-07
1798	494311.06, 3859101.99	1.97E-03	6.22E-07	1.81E-07	2.01E-03	6.34E-07	1.85E-07	2.01E-03	6.34E-07	1.84E-07
1799	494361.06, 3859101.99	1.95E-03	6.15E-07	1.79E-07	1.99E-03	6.28E-07	1.83E-07	1.99E-03	6.27E-07	1.82E-07
1800	494411.06, 3859101.99	1.93E-03	6.10E-07	1.77E-07	1.97E-03	6.22E-07	1.81E-07	1.97E-03	6.22E-07	1.81E-07
1801	494461.06, 3859101.99	1.91E-03	6.01E-07	1.75E-07	1.94E-03	6.14E-07	1.78E-07	1.94E-03	6.13E-07	1.78E-07
1802	494511.06, 3859101.99	1.87E-03	5.89E-07	1.71E-07	1.91E-03	6.01E-07	1.75E-07	1.90E-03	6.01E-07	1.75E-07
1803	494561.06, 3859101.99	1.84E-03	5.80E-07	1.69E-07	1.87E-03	5.92E-07	1.72E-07	1.87E-03	5.91E-07	1.72E-07
1804	494611.06, 3859101.99	1.79E-03	5.66E-07	1.65E-07	1.83E-03	5.78E-07	1.68E-07	1.83E-03	5.77E-07	1.68E-07
1805	494661.06, 3859101.99	1.77E-03	5.57E-07	1.62E-07	1.80E-03	5.68E-07	1.65E-07	1.80E-03	5.68E-07	1.65E-07
1806	494711.06, 3859101.99	1.72E-03	5.42E-07	1.58E-07	1.75E-03	5.53E-07	1.61E-07	1.75E-03	5.53E-07	1.61E-07
1807	494761.06, 3859101.99	1.70E-03	5.37E-07	1.56E-07	1.74E-03	5.48E-07	1.60E-07	1.74E-03	5.48E-07	1.59E-07
1808	494811.06, 3859101.99	1.67E-03	5.27E-07	1.53E-07	1.71E-03	5.38E-07	1.57E-07	1.70E-03	5.38E-07	1.56E-07
1809	494861.06, 3859101.99	1.64E-03	5.19E-07	1.51E-07	1.68E-03	5.29E-07	1.54E-07	1.67E-03	5.29E-07	1.54E-07
1810	494911.06, 3859101.99	1.60E-03	5.06E-07	1.47E-07	1.64E-03	5.17E-07	1.50E-07	1.64E-03	5.16E-07	1.50E-07
1811	494961.06, 3859101.99	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
1812	495011.06, 3859101.99	1.49E-03	4.72E-07	1.37E-07	1.52E-03	4.81E-07	1.40E-07	1.52E-03	4.81E-07	1.40E-07
1813	495061.06, 3859101.99	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.80E-07	1.40E-07	1.52E-03	4.79E-07	1.39E-07
1814	495111.06, 3859101.99	1.47E-03	4.64E-07	1.35E-07	1.50E-03	4.74E-07	1.38E-07	1.50E-03	4.73E-07	1.38E-07
1815	495161.06, 3859101.99	1.47E-03	4.65E-07	1.35E-07	1.50E-03	4.75E-07	1.38E-07	1.50E-03	4.74E-07	1.38E-07
1816	495211.06, 3859101.99	1.46E-03	4.60E-07	1.34E-07	1.49E-03	4.69E-07	1.37E-07	1.49E-03	4.69E-07	1.36E-07
1817	495261.06, 3859101.99	1.45E-03	4.58E-07	1.33E-07	1.48E-03	4.68E-07	1.36E-07	1.48E-03	4.67E-07	1.36E-07
1818	495311.06, 3859101.99	1.44E-03	4.54E-07	1.32E-07	1.47E-03	4.63E-07	1.35E-07	1.47E-03	4.63E-07	1.35E-07
1819	495361.06, 3859101.99	1.44E-03	4.54E-07	1.32E-07	1.47E-03	4.64E-07	1.35E-07	1.47E-03	4.63E-07	1.35E-07
1820	495411.06, 3859101.99	1.43E-03	4.52E-07	1.31E-07	1.46E-03	4.61E-07	1.34E-07	1.46E-03	4.60E-07	1.34E-07
1821	495461.06, 3859101.99	1.41E-03	4.45E-07	1.29E-07	1.44E-03	4.54E-07	1.32E-07	1.44E-03	4.53E-07	1.32E-07
1822	495511.06, 3859101.99	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.42E-03	4.49E-07	1.31E-07
1823	495561.06, 3859101.99	1.39E-03	4.38E-07	1.27E-07	1.42E-03	4.47E-07	1.30E-07	1.41E-03	4.46E-07	1.30E-07
1824	495611.06, 3859101.99	1.37E-03	4.32E-07	1.26E-07	1.40E-03	4.41E-07	1.28E-07	1.40E-03	4.40E-07	1.28E-07
1825	495661.06, 3859101.99	1.36E-03	4.30E-07	1.25E-07	1.39E-03	4.39E-07	1.28E-07	1.39E-03	4.39E-07	1.28E-07
1826	494311.06, 3859151.99	2.07E-03	6.54E-07	1.90E-07	2.11E-03	6.67E-07	1.94E-07	2.11E-03	6.67E-07	1.94E-07

1827	494361.06, 3859151.99	2.06E-03	6.49E-07	1.89E-07	2.10E-03	6.62E-07	1.93E-07	2.10E-03	6.62E-07	1.92E-07
1828	494411.06, 3859151.99	2.02E-03	6.38E-07	1.86E-07	2.06E-03	6.51E-07	1.89E-07	2.06E-03	6.50E-07	1.89E-07
1829	494461.06, 3859151.99	1.99E-03	6.27E-07	1.82E-07	2.03E-03	6.40E-07	1.86E-07	2.03E-03	6.39E-07	1.86E-07
1830	494511.06, 3859151.99	1.94E-03	6.13E-07	1.78E-07	1.98E-03	6.26E-07	1.82E-07	1.98E-03	6.25E-07	1.82E-07
1831	494561.06, 3859151.99	1.92E-03	6.05E-07	1.76E-07	1.96E-03	6.17E-07	1.79E-07	1.95E-03	6.16E-07	1.79E-07
1832	494611.06, 3859151.99	1.87E-03	5.91E-07	1.72E-07	1.91E-03	6.03E-07	1.76E-07	1.91E-03	6.03E-07	1.75E-07
1833	494661.06, 3859151.99	1.85E-03	5.82E-07	1.69E-07	1.88E-03	5.94E-07	1.73E-07	1.88E-03	5.94E-07	1.73E-07
1834	494711.06, 3859151.99	1.82E-03	5.75E-07	1.67E-07	1.86E-03	5.86E-07	1.71E-07	1.86E-03	5.86E-07	1.70E-07
1835	494761.06, 3859151.99	1.77E-03	5.60E-07	1.63E-07	1.81E-03	5.71E-07	1.66E-07	1.81E-03	5.71E-07	1.66E-07
1836	494811.06, 3859151.99	1.74E-03	5.48E-07	1.59E-07	1.77E-03	5.59E-07	1.63E-07	1.77E-03	5.58E-07	1.62E-07
1837	494861.06, 3859151.99	1.71E-03	5.39E-07	1.57E-07	1.74E-03	5.51E-07	1.60E-07	1.74E-03	5.50E-07	1.60E-07
1838	494911.06, 3859151.99	1.66E-03	5.25E-07	1.53E-07	1.70E-03	5.36E-07	1.56E-07	1.70E-03	5.35E-07	1.56E-07
1839	494961.06, 3859151.99	1.60E-03	5.05E-07	1.47E-07	1.63E-03	5.16E-07	1.50E-07	1.63E-03	5.15E-07	1.50E-07
1840	495011.06, 3859151.99	1.55E-03	4.90E-07	1.43E-07	1.59E-03	5.01E-07	1.46E-07	1.58E-03	5.00E-07	1.45E-07
1841	495061.06, 3859151.99	1.54E-03	4.87E-07	1.42E-07	1.58E-03	4.97E-07	1.45E-07	1.57E-03	4.97E-07	1.44E-07
1842	495111.06, 3859151.99	1.53E-03	4.83E-07	1.40E-07	1.56E-03	4.93E-07	1.43E-07	1.56E-03	4.92E-07	1.43E-07
1843	495161.06, 3859151.99	1.53E-03	4.84E-07	1.41E-07	1.57E-03	4.94E-07	1.44E-07	1.56E-03	4.93E-07	1.44E-07
1844	495211.06, 3859151.99	1.52E-03	4.80E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.89E-07	1.42E-07
1845	495261.06, 3859151.99	1.51E-03	4.76E-07	1.39E-07	1.54E-03	4.86E-07	1.41E-07	1.54E-03	4.86E-07	1.41E-07
1846	495311.06, 3859151.99	1.50E-03	4.73E-07	1.38E-07	1.53E-03	4.83E-07	1.41E-07	1.53E-03	4.82E-07	1.40E-07
1847	495361.06, 3859151.99	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.79E-07	1.39E-07	1.52E-03	4.79E-07	1.39E-07
1848	495411.06, 3859151.99	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.80E-07	1.40E-07	1.52E-03	4.80E-07	1.39E-07
1849	495461.06, 3859151.99	1.48E-03	4.67E-07	1.36E-07	1.51E-03	4.77E-07	1.39E-07	1.51E-03	4.76E-07	1.39E-07
1850	495511.06, 3859151.99	1.46E-03	4.60E-07	1.34E-07	1.49E-03	4.70E-07	1.37E-07	1.49E-03	4.69E-07	1.37E-07
1851	495561.06, 3859151.99	1.44E-03	4.55E-07	1.32E-07	1.47E-03	4.64E-07	1.35E-07	1.47E-03	4.64E-07	1.35E-07
1852	495611.06, 3859151.99	1.43E-03	4.50E-07	1.31E-07	1.46E-03	4.60E-07	1.34E-07	1.45E-03	4.59E-07	1.34E-07
1853	495661.06, 3859151.99	1.41E-03	4.46E-07	1.30E-07	1.44E-03	4.55E-07	1.32E-07	1.44E-03	4.55E-07	1.32E-07
1854	494311.06, 3859201.99	2.18E-03	6.87E-07	2.00E-07	2.22E-03	7.01E-07	2.04E-07	2.22E-03	7.01E-07	2.04E-07
1855	494361.06, 3859201.99	2.15E-03	6.79E-07	1.98E-07	2.20E-03	6.93E-07	2.02E-07	2.19E-03	6.92E-07	2.01E-07
1856	494411.06, 3859201.99	2.12E-03	6.69E-07	1.95E-07	2.16E-03	6.83E-07	1.99E-07	2.16E-03	6.82E-07	1.98E-07
1857	494461.06, 3859201.99	2.07E-03	6.54E-07	1.90E-07	2.12E-03	6.68E-07	1.94E-07	2.11E-03	6.67E-07	1.94E-07
1858	494511.06, 3859201.99	2.04E-03	6.44E-07	1.87E-07	2.08E-03	6.58E-07	1.91E-07	2.08E-03	6.57E-07	1.91E-07
1859	494561.06, 3859201.99	1.99E-03	6.29E-07	1.83E-07	2.03E-03	6.42E-07	1.87E-07	2.03E-03	6.41E-07	1.86E-07
1860	494611.06, 3859201.99	1.95E-03	6.17E-07	1.79E-07	1.99E-03	6.29E-07	1.83E-07	1.99E-03	6.29E-07	1.83E-07
1861	494661.06, 3859201.99	1.92E-03	6.07E-07	1.77E-07	1.96E-03	6.20E-07	1.80E-07	1.96E-03	6.19E-07	1.80E-07
1862	494711.06, 3859201.99	1.89E-03	5.97E-07	1.74E-07	1.93E-03	6.10E-07	1.77E-07	1.93E-03	6.09E-07	1.77E-07
1863	494761.06, 3859201.99	1.85E-03	5.83E-07	1.69E-07	1.88E-03	5.95E-07	1.73E-07	1.88E-03	5.94E-07	1.73E-07
1864	494811.06, 3859201.99	1.81E-03	5.70E-07	1.66E-07	1.84E-03	5.82E-07	1.69E-07	1.84E-03	5.81E-07	1.69E-07
1865	494861.06, 3859201.99	1.76E-03	5.55E-07	1.61E-07	1.79E-03	5.66E-07	1.65E-07	1.79E-03	5.66E-07	1.65E-07
1866	494911.06, 3859201.99	1.71E-03	5.40E-07	1.57E-07	1.75E-03	5.51E-07	1.60E-07	1.75E-03	5.51E-07	1.60E-07
1867	494961.06, 3859201.99	1.66E-03	5.24E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.34E-07	1.55E-07
1868	495011.06, 3859201.99	1.59E-03	5.03E-07	1.46E-07	1.63E-03	5.13E-07	1.49E-07	1.62E-03	5.13E-07	1.49E-07
1869	495061.06, 3859201.99	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.18E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
1870	495111.06, 3859201.99	1.60E-03	5.06E-07	1.47E-07	1.63E-03	5.16E-07	1.50E-07	1.63E-03	5.15E-07	1.50E-07
1871	495161.06, 3859201.99	1.59E-03	5.02E-07	1.46E-07	1.62E-03	5.13E-07	1.49E-07	1.62E-03	5.12E-07	1.49E-07
1872	495211.06, 3859201.99	1.57E-03	4.97E-07	1.44E-07	1.61E-03	5.07E-07	1.47E-07	1.60E-03	5.06E-07	1.47E-07
1873	495261.06, 3859201.99	1.57E-03	4.95E-07	1.44E-07	1.60E-03	5.05E-07	1.47E-07	1.60E-03	5.04E-07	1.47E-07
1874	495311.06, 3859201.99	1.56E-03	4.91E-07	1.43E-07	1.59E-03	5.01E-07	1.46E-07	1.59E-03	5.01E-07	1.46E-07
1875	495361.06, 3859201.99	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
1876	495411.06, 3859201.99	1.55E-03	4.88E-07	1.42E-07	1.58E-03	4.98E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
1877	495461.06, 3859201.99	1.53E-03	4.84E-07	1.41E-07	1.56E-03	4.94E-07	1.44E-07	1.56E-03	4.93E-07	1.43E-07
1878	495511.06, 3859201.99	1.52E-03	4.80E-07	1.40E-07	1.55E-03	4.89E-07	1.42E-07	1.55E-03	4.89E-07	1.42E-07
1879	495561.06, 3859201.99	1.50E-03	4.72E-07	1.37E-07	1.53E-03	4.82E-07	1.40E-07	1.52E-03	4.81E-07	1.40E-07
1880	495611.06, 3859201.99	1.48E-03	4.66E-07	1.36E-07	1.51E-03	4.76E-07	1.38E-07	1.51E-03	4.75E-07	1.38E-07
1881	495661.06, 3859201.99	1.46E-03	4.62E-07	1.34E-07	1.49E-03	4.71E-07	1.37E-07	1.49E-03	4.71E-07	1.37E-07
1882	494311.06, 3859251.99	2.29E-03	7.23E-07	2.10E-07	2.34E-03	7.37E-07	2.15E-07	2.33E-03	7.37E-07	2.14E-07
1883	494361.06, 3859251.99	2.25E-03	7.10E-07	2.07E-07	2.30E-03	7.25E-07	2.11E-07	2.29E-03	7.24E-07	2.11E-07
1884	494411.06, 3859251.99	2.20E-03	6.94E-07	2.02E-07	2.24E-03	7.08E-07	2.06E-07	2.24E-03	7.07E-07	2.06E-07
1885	494461.06, 3859251.99	2.16E-03	6.83E-07	1.99E-07	2.21E-03	6.97E-07	2.03E-07	2.20E-03	6.96E-07	2.02E-07
1886	494511.06, 3859251.99	2.11E-03	6.66E-07	1.94E-07	2.15E-03	6.79E-07	1.98E-07	2.15E-03	6.79E-07	1.97E-07
1887	494561.06, 3859251.99	2.07E-03	6.55E-07	1.90E-07	2.12E-03	6.68E-07	1.94E-07	2.11E-03	6.67E-07	1.94E-07

1888	494611.06, 3859251.99	2.03E-03	6.40E-07	1.86E-07	2.07E-03	6.54E-07	1.90E-07	2.07E-03	6.53E-07	1.90E-07
1889	494661.06, 3859251.99	2.00E-03	6.32E-07	1.84E-07	2.04E-03	6.45E-07	1.88E-07	2.04E-03	6.44E-07	1.87E-07
1890	494711.06, 3859251.99	1.97E-03	6.22E-07	1.81E-07	2.01E-03	6.34E-07	1.85E-07	2.01E-03	6.34E-07	1.84E-07
1891	494761.06, 3859251.99	1.89E-03	5.96E-07	1.73E-07	1.93E-03	6.08E-07	1.77E-07	1.93E-03	6.08E-07	1.77E-07
1892	494811.06, 3859251.99	1.88E-03	5.93E-07	1.73E-07	1.92E-03	6.05E-07	1.76E-07	1.92E-03	6.05E-07	1.76E-07
1893	494861.06, 3859251.99	1.81E-03	5.70E-07	1.66E-07	1.84E-03	5.82E-07	1.69E-07	1.84E-03	5.81E-07	1.69E-07
1894	494911.06, 3859251.99	1.76E-03	5.56E-07	1.62E-07	1.80E-03	5.67E-07	1.65E-07	1.79E-03	5.66E-07	1.65E-07
1895	494961.06, 3859251.99	1.73E-03	5.46E-07	1.59E-07	1.76E-03	5.57E-07	1.62E-07	1.76E-03	5.56E-07	1.62E-07
1896	495011.06, 3859251.99	1.69E-03	5.35E-07	1.55E-07	1.73E-03	5.45E-07	1.59E-07	1.73E-03	5.45E-07	1.58E-07
1897	495061.06, 3859251.99	1.69E-03	5.33E-07	1.55E-07	1.72E-03	5.44E-07	1.58E-07	1.72E-03	5.43E-07	1.58E-07
1898	495111.06, 3859251.99	1.67E-03	5.27E-07	1.53E-07	1.70E-03	5.38E-07	1.56E-07	1.70E-03	5.37E-07	1.56E-07
1899	495161.06, 3859251.99	1.66E-03	5.24E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.34E-07	1.55E-07
1900	495211.06, 3859251.99	1.64E-03	5.18E-07	1.51E-07	1.67E-03	5.28E-07	1.54E-07	1.67E-03	5.27E-07	1.53E-07
1901	495261.06, 3859251.99	1.62E-03	5.12E-07	1.49E-07	1.66E-03	5.23E-07	1.52E-07	1.65E-03	5.22E-07	1.52E-07
1902	495311.06, 3859251.99	1.62E-03	5.12E-07	1.49E-07	1.66E-03	5.23E-07	1.52E-07	1.65E-03	5.22E-07	1.52E-07
1903	495361.06, 3859251.99	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.18E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
1904	495411.06, 3859251.99	1.61E-03	5.07E-07	1.47E-07	1.64E-03	5.17E-07	1.50E-07	1.64E-03	5.17E-07	1.50E-07
1905	495461.06, 3859251.99	1.59E-03	5.02E-07	1.46E-07	1.62E-03	5.13E-07	1.49E-07	1.62E-03	5.12E-07	1.49E-07
1906	495511.06, 3859251.99	1.57E-03	4.94E-07	1.44E-07	1.60E-03	5.04E-07	1.47E-07	1.60E-03	5.04E-07	1.47E-07
1907	495561.06, 3859251.99	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
1908	495611.06, 3859251.99	1.53E-03	4.82E-07	1.40E-07	1.56E-03	4.91E-07	1.43E-07	1.56E-03	4.91E-07	1.43E-07
1909	495661.06, 3859251.99	1.51E-03	4.76E-07	1.39E-07	1.54E-03	4.86E-07	1.41E-07	1.54E-03	4.86E-07	1.41E-07
1910	494311.06, 3859301.99	2.40E-03	7.58E-07	2.20E-07	2.45E-03	7.73E-07	2.25E-07	2.45E-03	7.73E-07	2.25E-07
1911	494361.06, 3859301.99	2.36E-03	7.44E-07	2.16E-07	2.40E-03	7.59E-07	2.21E-07	2.40E-03	7.58E-07	2.20E-07
1912	494411.06, 3859301.99	2.30E-03	7.26E-07	2.11E-07	2.35E-03	7.41E-07	2.15E-07	2.34E-03	7.40E-07	2.15E-07
1913	494461.06, 3859301.99	2.24E-03	7.08E-07	2.06E-07	2.29E-03	7.23E-07	2.10E-07	2.29E-03	7.22E-07	2.10E-07
1914	494511.06, 3859301.99	2.20E-03	6.94E-07	2.02E-07	2.24E-03	7.08E-07	2.06E-07	2.24E-03	7.07E-07	2.06E-07
1915	494561.06, 3859301.99	2.16E-03	6.82E-07	1.98E-07	2.20E-03	6.95E-07	2.02E-07	2.20E-03	6.95E-07	2.02E-07
1916	494611.06, 3859301.99	2.12E-03	6.68E-07	1.94E-07	2.16E-03	6.82E-07	1.98E-07	2.16E-03	6.81E-07	1.98E-07
1917	494661.06, 3859301.99	2.08E-03	6.56E-07	1.91E-07	2.12E-03	6.70E-07	1.95E-07	2.12E-03	6.69E-07	1.95E-07
1918	494711.06, 3859301.99	2.03E-03	6.42E-07	1.87E-07	2.07E-03	6.55E-07	1.90E-07	2.07E-03	6.54E-07	1.90E-07
1919	494761.06, 3859301.99	1.99E-03	6.29E-07	1.83E-07	2.03E-03	6.42E-07	1.87E-07	2.03E-03	6.41E-07	1.86E-07
1920	494811.06, 3859301.99	1.94E-03	6.12E-07	1.78E-07	1.98E-03	6.25E-07	1.82E-07	1.98E-03	6.24E-07	1.82E-07
1921	494861.06, 3859301.99	1.87E-03	5.90E-07	1.72E-07	1.91E-03	6.03E-07	1.75E-07	1.91E-03	6.02E-07	1.75E-07
1922	494911.06, 3859301.99	1.83E-03	5.79E-07	1.68E-07	1.87E-03	5.91E-07	1.72E-07	1.87E-03	5.90E-07	1.72E-07
1923	494961.06, 3859301.99	1.77E-03	5.58E-07	1.62E-07	1.80E-03	5.69E-07	1.66E-07	1.80E-03	5.68E-07	1.65E-07
1924	495011.06, 3859301.99	1.74E-03	5.49E-07	1.60E-07	1.78E-03	5.60E-07	1.63E-07	1.77E-03	5.60E-07	1.63E-07
1925	495061.06, 3859301.99	1.75E-03	5.53E-07	1.61E-07	1.79E-03	5.64E-07	1.64E-07	1.79E-03	5.64E-07	1.64E-07
1926	495111.06, 3859301.99	1.72E-03	5.43E-07	1.58E-07	1.76E-03	5.54E-07	1.61E-07	1.75E-03	5.53E-07	1.61E-07
1927	495161.06, 3859301.99	1.71E-03	5.40E-07	1.57E-07	1.75E-03	5.51E-07	1.60E-07	1.74E-03	5.51E-07	1.60E-07
1928	495211.06, 3859301.99	1.71E-03	5.40E-07	1.57E-07	1.75E-03	5.51E-07	1.60E-07	1.74E-03	5.50E-07	1.60E-07
1929	495261.06, 3859301.99	1.70E-03	5.37E-07	1.56E-07	1.74E-03	5.48E-07	1.59E-07	1.73E-03	5.48E-07	1.59E-07
1930	495311.06, 3859301.99	1.68E-03	5.29E-07	1.54E-07	1.71E-03	5.40E-07	1.57E-07	1.71E-03	5.39E-07	1.57E-07
1931	495361.06, 3859301.99	1.67E-03	5.27E-07	1.53E-07	1.70E-03	5.38E-07	1.57E-07	1.70E-03	5.37E-07	1.56E-07
1932	495411.06, 3859301.99	1.66E-03	5.24E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.34E-07	1.55E-07
1933	495461.06, 3859301.99	1.65E-03	5.20E-07	1.51E-07	1.68E-03	5.31E-07	1.54E-07	1.68E-03	5.30E-07	1.54E-07
1934	495511.06, 3859301.99	1.63E-03	5.13E-07	1.49E-07	1.66E-03	5.23E-07	1.52E-07	1.66E-03	5.23E-07	1.52E-07
1935	495561.06, 3859301.99	1.59E-03	5.02E-07	1.46E-07	1.62E-03	5.13E-07	1.49E-07	1.62E-03	5.12E-07	1.49E-07
1936	495611.06, 3859301.99	1.57E-03	4.97E-07	1.45E-07	1.61E-03	5.07E-07	1.47E-07	1.60E-03	5.06E-07	1.47E-07
1937	495661.06, 3859301.99	1.56E-03	4.91E-07	1.43E-07	1.59E-03	5.01E-07	1.46E-07	1.59E-03	5.01E-07	1.46E-07
1938	494311.06, 3859351.99	2.50E-03	7.90E-07	2.30E-07	2.55E-03	8.06E-07	2.34E-07	2.55E-03	8.05E-07	2.34E-07
1939	494361.06, 3859351.99	2.45E-03	7.74E-07	2.25E-07	2.50E-03	7.90E-07	2.30E-07	2.50E-03	7.89E-07	2.29E-07
1940	494411.06, 3859351.99	2.39E-03	7.53E-07	2.19E-07	2.44E-03	7.69E-07	2.24E-07	2.43E-03	7.68E-07	2.23E-07
1941	494461.06, 3859351.99	2.33E-03	7.36E-07	2.14E-07	2.38E-03	7.51E-07	2.18E-07	2.38E-03	7.50E-07	2.18E-07
1942	494511.06, 3859351.99	2.28E-03	7.20E-07	2.10E-07	2.33E-03	7.35E-07	2.14E-07	2.33E-03	7.34E-07	2.14E-07
1943	494561.06, 3859351.99	2.25E-03	7.09E-07	2.06E-07	2.29E-03	7.23E-07	2.10E-07	2.29E-03	7.22E-07	2.10E-07
1944	494611.06, 3859351.99	2.20E-03	6.95E-07	2.02E-07	2.25E-03	7.10E-07	2.06E-07	2.25E-03	7.09E-07	2.06E-07
1945	494661.06, 3859351.99	2.16E-03	6.82E-07	1.98E-07	2.20E-03	6.96E-07	2.02E-07	2.20E-03	6.95E-07	2.02E-07
1946	494711.06, 3859351.99	2.11E-03	6.65E-07	1.93E-07	2.15E-03	6.79E-07	1.97E-07	2.15E-03	6.78E-07	1.97E-07
1947	494761.06, 3859351.99	2.04E-03	6.43E-07	1.87E-07	2.08E-03	6.56E-07	1.91E-07	2.08E-03	6.55E-07	1.91E-07
1948	494811.06, 3859351.99	1.97E-03	6.21E-07	1.81E-07	2.01E-03	6.34E-07	1.84E-07	2.01E-03	6.33E-07	1.84E-07

1949	494861.06, 3859351.99	1.93E-03	6.10E-07	1.78E-07	1.97E-03	6.23E-07	1.81E-07	1.97E-03	6.22E-07	1.81E-07
1950	494911.06, 3859351.99	1.91E-03	6.03E-07	1.75E-07	1.95E-03	6.15E-07	1.79E-07	1.95E-03	6.14E-07	1.79E-07
1951	494961.06, 3859351.99	1.87E-03	5.91E-07	1.72E-07	1.91E-03	6.03E-07	1.75E-07	1.91E-03	6.02E-07	1.75E-07
1952	495011.06, 3859351.99	1.84E-03	5.82E-07	1.69E-07	1.88E-03	5.94E-07	1.73E-07	1.88E-03	5.93E-07	1.73E-07
1953	495061.06, 3859351.99	1.85E-03	5.84E-07	1.70E-07	1.89E-03	5.95E-07	1.73E-07	1.88E-03	5.95E-07	1.73E-07
1954	495111.06, 3859351.99	1.82E-03	5.74E-07	1.67E-07	1.86E-03	5.86E-07	1.70E-07	1.85E-03	5.85E-07	1.70E-07
1955	495161.06, 3859351.99	1.80E-03	5.69E-07	1.65E-07	1.84E-03	5.80E-07	1.69E-07	1.84E-03	5.79E-07	1.69E-07
1956	495211.06, 3859351.99	1.78E-03	5.63E-07	1.64E-07	1.82E-03	5.74E-07	1.67E-07	1.82E-03	5.73E-07	1.67E-07
1957	495261.06, 3859351.99	1.77E-03	5.59E-07	1.63E-07	1.81E-03	5.71E-07	1.66E-07	1.81E-03	5.70E-07	1.66E-07
1958	495311.06, 3859351.99	1.75E-03	5.51E-07	1.60E-07	1.78E-03	5.63E-07	1.64E-07	1.78E-03	5.62E-07	1.63E-07
1959	495361.06, 3859351.99	1.73E-03	5.46E-07	1.59E-07	1.77E-03	5.57E-07	1.62E-07	1.76E-03	5.56E-07	1.62E-07
1960	495411.06, 3859351.99	1.72E-03	5.42E-07	1.58E-07	1.75E-03	5.54E-07	1.61E-07	1.75E-03	5.53E-07	1.61E-07
1961	495461.06, 3859351.99	1.71E-03	5.40E-07	1.57E-07	1.75E-03	5.51E-07	1.60E-07	1.74E-03	5.50E-07	1.60E-07
1962	495511.06, 3859351.99	1.68E-03	5.30E-07	1.54E-07	1.71E-03	5.41E-07	1.57E-07	1.71E-03	5.40E-07	1.57E-07
1963	495561.06, 3859351.99	1.66E-03	5.22E-07	1.52E-07	1.69E-03	5.33E-07	1.55E-07	1.69E-03	5.33E-07	1.55E-07
1964	495611.06, 3859351.99	1.64E-03	5.17E-07	1.50E-07	1.67E-03	5.27E-07	1.53E-07	1.67E-03	5.26E-07	1.53E-07
1965	495661.06, 3859351.99	1.61E-03	5.07E-07	1.47E-07	1.64E-03	5.17E-07	1.50E-07	1.64E-03	5.17E-07	1.50E-07
1966	494311.06, 3859401.99	2.62E-03	8.27E-07	2.41E-07	2.67E-03	8.44E-07	2.46E-07	2.67E-03	8.43E-07	2.45E-07
1967	494361.06, 3859401.99	2.55E-03	8.04E-07	2.34E-07	2.60E-03	8.21E-07	2.39E-07	2.60E-03	8.20E-07	2.38E-07
1968	494411.06, 3859401.99	2.48E-03	7.81E-07	2.27E-07	2.53E-03	7.97E-07	2.32E-07	2.52E-03	7.97E-07	2.32E-07
1969	494461.06, 3859401.99	2.42E-03	7.64E-07	2.22E-07	2.47E-03	7.80E-07	2.27E-07	2.47E-03	7.79E-07	2.27E-07
1970	494511.06, 3859401.99	2.38E-03	7.52E-07	2.19E-07	2.43E-03	7.68E-07	2.23E-07	2.43E-03	7.67E-07	2.23E-07
1971	494561.06, 3859401.99	2.34E-03	7.39E-07	2.15E-07	2.39E-03	7.54E-07	2.19E-07	2.39E-03	7.53E-07	2.19E-07
1972	494611.06, 3859401.99	2.29E-03	7.23E-07	2.10E-07	2.34E-03	7.37E-07	2.14E-07	2.33E-03	7.37E-07	2.14E-07
1973	494661.06, 3859401.99	2.25E-03	7.11E-07	2.07E-07	2.30E-03	7.25E-07	2.11E-07	2.29E-03	7.24E-07	2.11E-07
1974	494711.06, 3859401.99	2.21E-03	6.97E-07	2.03E-07	2.25E-03	7.11E-07	2.07E-07	2.25E-03	7.10E-07	2.07E-07
1975	494761.06, 3859401.99	2.12E-03	6.70E-07	1.95E-07	2.17E-03	6.84E-07	1.99E-07	2.16E-03	6.83E-07	1.99E-07
1976	494811.06, 3859401.99	2.08E-03	6.57E-07	1.91E-07	2.12E-03	6.70E-07	1.95E-07	2.12E-03	6.69E-07	1.95E-07
1977	494861.06, 3859401.99	2.02E-03	6.37E-07	1.85E-07	2.06E-03	6.50E-07	1.89E-07	2.06E-03	6.49E-07	1.89E-07
1978	494911.06, 3859401.99	1.97E-03	6.22E-07	1.81E-07	2.01E-03	6.35E-07	1.85E-07	2.01E-03	6.34E-07	1.84E-07
1979	494961.06, 3859401.99	1.95E-03	6.16E-07	1.79E-07	1.99E-03	6.28E-07	1.83E-07	1.99E-03	6.27E-07	1.82E-07
1980	495011.06, 3859401.99	1.93E-03	6.09E-07	1.77E-07	1.97E-03	6.22E-07	1.81E-07	1.97E-03	6.21E-07	1.81E-07
1981	495061.06, 3859401.99	1.91E-03	6.02E-07	1.75E-07	1.95E-03	6.14E-07	1.79E-07	1.94E-03	6.13E-07	1.78E-07
1982	495111.06, 3859401.99	1.87E-03	5.92E-07	1.72E-07	1.91E-03	6.04E-07	1.76E-07	1.91E-03	6.03E-07	1.75E-07
1983	495161.06, 3859401.99	1.87E-03	5.89E-07	1.71E-07	1.90E-03	6.01E-07	1.75E-07	1.90E-03	6.00E-07	1.75E-07
1984	495211.06, 3859401.99	1.86E-03	5.86E-07	1.70E-07	1.89E-03	5.98E-07	1.74E-07	1.89E-03	5.97E-07	1.74E-07
1985	495261.06, 3859401.99	1.84E-03	5.80E-07	1.69E-07	1.87E-03	5.91E-07	1.72E-07	1.87E-03	5.91E-07	1.72E-07
1986	495311.06, 3859401.99	1.82E-03	5.73E-07	1.67E-07	1.85E-03	5.85E-07	1.70E-07	1.85E-03	5.84E-07	1.70E-07
1987	495361.06, 3859401.99	1.81E-03	5.70E-07	1.66E-07	1.84E-03	5.82E-07	1.69E-07	1.84E-03	5.81E-07	1.69E-07
1988	495411.06, 3859401.99	1.79E-03	5.66E-07	1.64E-07	1.83E-03	5.77E-07	1.68E-07	1.83E-03	5.76E-07	1.68E-07
1989	495461.06, 3859401.99	1.77E-03	5.58E-07	1.62E-07	1.80E-03	5.69E-07	1.66E-07	1.80E-03	5.69E-07	1.65E-07
1990	495511.06, 3859401.99	1.74E-03	5.48E-07	1.59E-07	1.77E-03	5.59E-07	1.63E-07	1.77E-03	5.58E-07	1.62E-07
1991	495561.06, 3859401.99	1.70E-03	5.37E-07	1.56E-07	1.73E-03	5.48E-07	1.59E-07	1.73E-03	5.47E-07	1.59E-07
1992	495611.06, 3859401.99	1.68E-03	5.30E-07	1.54E-07	1.71E-03	5.41E-07	1.57E-07	1.71E-03	5.40E-07	1.57E-07
1993	495661.06, 3859401.99	1.66E-03	5.24E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.34E-07	1.55E-07
1994	494311.06, 3859451.99	2.71E-03	8.56E-07	2.49E-07	2.77E-03	8.73E-07	2.54E-07	2.76E-03	8.72E-07	2.54E-07
1995	494361.06, 3859451.99	2.64E-03	8.34E-07	2.43E-07	2.70E-03	8.51E-07	2.48E-07	2.69E-03	8.50E-07	2.47E-07
1996	494411.06, 3859451.99	2.55E-03	8.05E-07	2.34E-07	2.60E-03	8.21E-07	2.39E-07	2.60E-03	8.20E-07	2.39E-07
1997	494461.06, 3859451.99	2.51E-03	7.94E-07	2.31E-07	2.57E-03	8.10E-07	2.36E-07	2.56E-03	8.09E-07	2.35E-07
1998	494511.06, 3859451.99	2.46E-03	7.76E-07	2.26E-07	2.51E-03	7.92E-07	2.30E-07	2.51E-03	7.91E-07	2.30E-07
1999	494561.06, 3859451.99	2.41E-03	7.62E-07	2.22E-07	2.46E-03	7.78E-07	2.26E-07	2.46E-03	7.77E-07	2.26E-07
2000	494611.06, 3859451.99	2.39E-03	7.53E-07	2.19E-07	2.43E-03	7.68E-07	2.24E-07	2.43E-03	7.67E-07	2.23E-07
2001	494661.06, 3859451.99	2.33E-03	7.36E-07	2.14E-07	2.38E-03	7.51E-07	2.18E-07	2.38E-03	7.50E-07	2.18E-07
2002	494711.06, 3859451.99	2.28E-03	7.19E-07	2.09E-07	2.32E-03	7.33E-07	2.13E-07	2.32E-03	7.33E-07	2.13E-07
2003	494761.06, 3859451.99	2.23E-03	7.04E-07	2.05E-07	2.28E-03	7.19E-07	2.09E-07	2.27E-03	7.18E-07	2.09E-07
2004	494811.06, 3859451.99	2.17E-03	6.84E-07	1.99E-07	2.21E-03	6.98E-07	2.03E-07	2.21E-03	6.98E-07	2.03E-07
2005	494861.06, 3859451.99	2.12E-03	6.68E-07	1.94E-07	2.16E-03	6.82E-07	1.98E-07	2.16E-03	6.81E-07	1.98E-07
2006	494911.06, 3859451.99	2.08E-03	6.56E-07	1.91E-07	2.12E-03	6.69E-07	1.95E-07	2.12E-03	6.68E-07	1.94E-07
2007	494961.06, 3859451.99	2.05E-03	6.48E-07	1.88E-07	2.09E-03	6.61E-07	1.92E-07	2.09E-03	6.60E-07	1.92E-07
2008	495011.06, 3859451.99	2.02E-03	6.38E-07	1.86E-07	2.06E-03	6.51E-07	1.89E-07	2.06E-03	6.50E-07	1.89E-07
2009	495061.06, 3859451.99	1.99E-03	6.29E-07	1.83E-07	2.03E-03	6.41E-07	1.87E-07	2.03E-03	6.41E-07	1.86E-07

2010	495111.06, 3859451.99	1.96E-03	6.19E-07	1.80E-07	2.00E-03	6.32E-07	1.84E-07	2.00E-03	6.31E-07	1.84E-07
2011	495161.06, 3859451.99	1.94E-03	6.14E-07	1.78E-07	1.98E-03	6.26E-07	1.82E-07	1.98E-03	6.25E-07	1.82E-07
2012	495211.06, 3859451.99	1.93E-03	6.09E-07	1.77E-07	1.97E-03	6.22E-07	1.81E-07	1.97E-03	6.21E-07	1.81E-07
2013	495261.06, 3859451.99	1.92E-03	6.05E-07	1.76E-07	1.96E-03	6.17E-07	1.79E-07	1.95E-03	6.16E-07	1.79E-07
2014	495311.06, 3859451.99	1.89E-03	5.97E-07	1.74E-07	1.93E-03	6.09E-07	1.77E-07	1.93E-03	6.09E-07	1.77E-07
2015	495361.06, 3859451.99	1.87E-03	5.91E-07	1.72E-07	1.91E-03	6.03E-07	1.75E-07	1.91E-03	6.02E-07	1.75E-07
2016	495411.06, 3859451.99	1.85E-03	5.83E-07	1.70E-07	1.89E-03	5.95E-07	1.73E-07	1.88E-03	5.95E-07	1.73E-07
2017	495461.06, 3859451.99	1.83E-03	5.77E-07	1.68E-07	1.87E-03	5.89E-07	1.71E-07	1.86E-03	5.88E-07	1.71E-07
2018	495511.06, 3859451.99	1.79E-03	5.65E-07	1.64E-07	1.83E-03	5.77E-07	1.68E-07	1.82E-03	5.76E-07	1.67E-07
2019	495561.06, 3859451.99	1.76E-03	5.57E-07	1.62E-07	1.80E-03	5.68E-07	1.65E-07	1.80E-03	5.67E-07	1.65E-07
2020	495611.06, 3859451.99	1.74E-03	5.49E-07	1.60E-07	1.77E-03	5.60E-07	1.63E-07	1.77E-03	5.60E-07	1.63E-07
2021	495661.06, 3859451.99	1.72E-03	5.42E-07	1.58E-07	1.75E-03	5.53E-07	1.61E-07	1.75E-03	5.52E-07	1.61E-07
2022	494311.06, 3859501.99	2.82E-03	8.89E-07	2.59E-07	2.87E-03	9.07E-07	2.64E-07	2.87E-03	9.06E-07	2.64E-07
2023	494361.06, 3859501.99	2.74E-03	8.65E-07	2.52E-07	2.80E-03	8.83E-07	2.57E-07	2.79E-03	8.82E-07	2.57E-07
2024	494411.06, 3859501.99	2.62E-03	8.28E-07	2.41E-07	2.68E-03	8.45E-07	2.46E-07	2.67E-03	8.44E-07	2.46E-07
2025	494461.06, 3859501.99	2.61E-03	8.25E-07	2.40E-07	2.67E-03	8.42E-07	2.45E-07	2.66E-03	8.41E-07	2.45E-07
2026	494511.06, 3859501.99	2.55E-03	8.04E-07	2.34E-07	2.60E-03	8.21E-07	2.39E-07	2.60E-03	8.20E-07	2.38E-07
2027	494561.06, 3859501.99	2.49E-03	7.87E-07	2.29E-07	2.55E-03	8.03E-07	2.34E-07	2.54E-03	8.02E-07	2.33E-07
2028	494611.06, 3859501.99	2.49E-03	7.85E-07	2.28E-07	2.54E-03	8.01E-07	2.33E-07	2.54E-03	8.00E-07	2.33E-07
2029	494661.06, 3859501.99	2.42E-03	7.64E-07	2.22E-07	2.47E-03	7.80E-07	2.27E-07	2.47E-03	7.79E-07	2.26E-07
2030	494711.06, 3859501.99	2.35E-03	7.40E-07	2.15E-07	2.39E-03	7.55E-07	2.20E-07	2.39E-03	7.55E-07	2.19E-07
2031	494761.06, 3859501.99	2.32E-03	7.34E-07	2.13E-07	2.37E-03	7.49E-07	2.18E-07	2.37E-03	7.48E-07	2.18E-07
2032	494811.06, 3859501.99	2.24E-03	7.06E-07	2.05E-07	2.28E-03	7.20E-07	2.09E-07	2.28E-03	7.19E-07	2.09E-07
2033	494861.06, 3859501.99	2.20E-03	6.94E-07	2.02E-07	2.24E-03	7.08E-07	2.06E-07	2.24E-03	7.07E-07	2.06E-07
2034	494911.06, 3859501.99	2.17E-03	6.85E-07	1.99E-07	2.21E-03	6.99E-07	2.03E-07	2.21E-03	6.98E-07	2.03E-07
2035	494961.06, 3859501.99	2.12E-03	6.71E-07	1.95E-07	2.17E-03	6.84E-07	1.99E-07	2.17E-03	6.84E-07	1.99E-07
2036	495011.06, 3859501.99	2.10E-03	6.63E-07	1.93E-07	2.14E-03	6.76E-07	1.97E-07	2.14E-03	6.76E-07	1.96E-07
2037	495061.06, 3859501.99	2.08E-03	6.55E-07	1.91E-07	2.12E-03	6.69E-07	1.95E-07	2.12E-03	6.68E-07	1.94E-07
2038	495111.06, 3859501.99	2.04E-03	6.42E-07	1.87E-07	2.08E-03	6.55E-07	1.91E-07	2.07E-03	6.55E-07	1.90E-07
2039	495161.06, 3859501.99	2.01E-03	6.36E-07	1.85E-07	2.06E-03	6.49E-07	1.89E-07	2.05E-03	6.48E-07	1.88E-07
2040	495211.06, 3859501.99	2.00E-03	6.31E-07	1.84E-07	2.04E-03	6.44E-07	1.87E-07	2.04E-03	6.44E-07	1.87E-07
2041	495261.06, 3859501.99	1.98E-03	6.25E-07	1.82E-07	2.02E-03	6.38E-07	1.85E-07	2.02E-03	6.37E-07	1.85E-07
2042	495311.06, 3859501.99	1.96E-03	6.19E-07	1.80E-07	2.00E-03	6.32E-07	1.84E-07	2.00E-03	6.31E-07	1.84E-07
2043	495361.06, 3859501.99	1.94E-03	6.12E-07	1.78E-07	1.98E-03	6.24E-07	1.82E-07	1.98E-03	6.24E-07	1.81E-07
2044	495411.06, 3859501.99	1.92E-03	6.05E-07	1.76E-07	1.96E-03	6.17E-07	1.80E-07	1.95E-03	6.16E-07	1.79E-07
2045	495461.06, 3859501.99	1.89E-03	5.97E-07	1.74E-07	1.93E-03	6.09E-07	1.77E-07	1.93E-03	6.08E-07	1.77E-07
2046	495511.06, 3859501.99	1.84E-03	5.80E-07	1.69E-07	1.87E-03	5.91E-07	1.72E-07	1.87E-03	5.91E-07	1.72E-07
2047	495561.06, 3859501.99	1.83E-03	5.77E-07	1.68E-07	1.87E-03	5.89E-07	1.71E-07	1.86E-03	5.88E-07	1.71E-07
2048	495611.06, 3859501.99	1.80E-03	5.68E-07	1.65E-07	1.84E-03	5.80E-07	1.69E-07	1.83E-03	5.79E-07	1.68E-07
2049	495661.06, 3859501.99	1.77E-03	5.59E-07	1.62E-07	1.81E-03	5.70E-07	1.66E-07	1.80E-03	5.69E-07	1.66E-07
2050	494311.06, 3859551.99	2.92E-03	9.21E-07	2.68E-07	2.98E-03	9.39E-07	2.73E-07	2.97E-03	9.38E-07	2.73E-07
2051	494361.06, 3859551.99	2.81E-03	8.88E-07	2.58E-07	2.87E-03	9.06E-07	2.63E-07	2.87E-03	9.05E-07	2.63E-07
2052	494411.06, 3859551.99	2.69E-03	8.50E-07	2.47E-07	2.75E-03	8.67E-07	2.52E-07	2.74E-03	8.66E-07	2.52E-07
2053	494461.06, 3859551.99	2.70E-03	8.53E-07	2.48E-07	2.76E-03	8.70E-07	2.53E-07	2.75E-03	8.69E-07	2.53E-07
2054	494511.06, 3859551.99	2.64E-03	8.32E-07	2.42E-07	2.69E-03	8.49E-07	2.47E-07	2.69E-03	8.48E-07	2.47E-07
2055	494561.06, 3859551.99	2.58E-03	8.16E-07	2.37E-07	2.64E-03	8.32E-07	2.42E-07	2.63E-03	8.31E-07	2.42E-07
2056	494611.06, 3859551.99	2.55E-03	8.06E-07	2.34E-07	2.60E-03	8.22E-07	2.39E-07	2.60E-03	8.21E-07	2.39E-07
2057	494661.06, 3859551.99	2.51E-03	7.92E-07	2.30E-07	2.56E-03	8.08E-07	2.35E-07	2.56E-03	8.07E-07	2.35E-07
2058	494711.06, 3859551.99	2.40E-03	7.56E-07	2.20E-07	2.45E-03	7.72E-07	2.24E-07	2.44E-03	7.71E-07	2.24E-07
2059	494761.06, 3859551.99	2.41E-03	7.59E-07	2.21E-07	2.45E-03	7.75E-07	2.25E-07	2.45E-03	7.74E-07	2.25E-07
2060	494811.06, 3859551.99	2.32E-03	7.34E-07	2.13E-07	2.37E-03	7.49E-07	2.18E-07	2.37E-03	7.48E-07	2.18E-07
2061	494861.06, 3859551.99	2.29E-03	7.21E-07	2.10E-07	2.33E-03	7.36E-07	2.14E-07	2.33E-03	7.35E-07	2.14E-07
2062	494911.06, 3859551.99	2.24E-03	7.07E-07	2.06E-07	2.29E-03	7.21E-07	2.10E-07	2.28E-03	7.20E-07	2.10E-07
2063	494961.06, 3859551.99	2.21E-03	6.98E-07	2.03E-07	2.26E-03	7.13E-07	2.07E-07	2.26E-03	7.12E-07	2.07E-07
2064	495011.06, 3859551.99	2.19E-03	6.92E-07	2.01E-07	2.24E-03	7.06E-07	2.05E-07	2.23E-03	7.05E-07	2.05E-07
2065	495061.06, 3859551.99	2.16E-03	6.81E-07	1.98E-07	2.20E-03	6.95E-07	2.02E-07	2.20E-03	6.94E-07	2.02E-07
2066	495111.06, 3859551.99	2.12E-03	6.68E-07	1.94E-07	2.16E-03	6.81E-07	1.98E-07	2.16E-03	6.80E-07	1.98E-07
2067	495161.06, 3859551.99	2.10E-03	6.61E-07	1.92E-07	2.14E-03	6.75E-07	1.96E-07	2.14E-03	6.74E-07	1.96E-07
2068	495211.06, 3859551.99	2.08E-03	6.57E-07	1.91E-07	2.12E-03	6.70E-07	1.95E-07	2.12E-03	6.69E-07	1.95E-07
2069	495261.06, 3859551.99	2.05E-03	6.46E-07	1.88E-07	2.09E-03	6.60E-07	1.92E-07	2.09E-03	6.59E-07	1.92E-07
2070	495311.06, 3859551.99	2.02E-03	6.38E-07	1.86E-07	2.06E-03	6.51E-07	1.89E-07	2.06E-03	6.50E-07	1.89E-07

2071	495361.06, 3859551.99	2.00E-03	6.31E-07	1.84E-07	2.04E-03	6.44E-07	1.87E-07	2.04E-03	6.43E-07	1.87E-07
2072	495411.06, 3859551.99	1.98E-03	6.25E-07	1.82E-07	2.02E-03	6.38E-07	1.86E-07	2.02E-03	6.37E-07	1.85E-07
2073	495461.06, 3859551.99	1.94E-03	6.13E-07	1.78E-07	1.98E-03	6.26E-07	1.82E-07	1.98E-03	6.25E-07	1.82E-07
2074	495511.06, 3859551.99	1.90E-03	6.01E-07	1.75E-07	1.94E-03	6.13E-07	1.78E-07	1.94E-03	6.12E-07	1.78E-07
2075	495561.06, 3859551.99	1.88E-03	5.93E-07	1.72E-07	1.92E-03	6.05E-07	1.76E-07	1.91E-03	6.04E-07	1.76E-07
2076	495611.06, 3859551.99	1.85E-03	5.85E-07	1.70E-07	1.89E-03	5.97E-07	1.74E-07	1.89E-03	5.96E-07	1.73E-07
2077	495661.06, 3859551.99	1.82E-03	5.75E-07	1.67E-07	1.86E-03	5.87E-07	1.71E-07	1.86E-03	5.86E-07	1.71E-07
2078	494311.06, 3859601.99	3.03E-03	9.56E-07	2.78E-07	3.09E-03	9.76E-07	2.84E-07	3.09E-03	9.75E-07	2.83E-07
2079	494361.06, 3859601.99	2.88E-03	9.08E-07	2.64E-07	2.94E-03	9.27E-07	2.70E-07	2.93E-03	9.26E-07	2.69E-07
2080	494411.06, 3859601.99	2.80E-03	8.83E-07	2.57E-07	2.85E-03	9.01E-07	2.62E-07	2.85E-03	9.00E-07	2.62E-07
2081	494461.06, 3859601.99	2.79E-03	8.82E-07	2.57E-07	2.85E-03	9.00E-07	2.62E-07	2.85E-03	8.99E-07	2.61E-07
2082	494511.06, 3859601.99	2.70E-03	8.53E-07	2.48E-07	2.76E-03	8.70E-07	2.53E-07	2.75E-03	8.69E-07	2.53E-07
2083	494561.06, 3859601.99	2.69E-03	8.48E-07	2.47E-07	2.74E-03	8.66E-07	2.52E-07	2.74E-03	8.65E-07	2.51E-07
2084	494611.06, 3859601.99	2.66E-03	8.38E-07	2.44E-07	2.71E-03	8.56E-07	2.49E-07	2.71E-03	8.55E-07	2.49E-07
2085	494661.06, 3859601.99	2.56E-03	8.06E-07	2.35E-07	2.61E-03	8.23E-07	2.39E-07	2.60E-03	8.22E-07	2.39E-07
2086	494711.06, 3859601.99	2.48E-03	7.82E-07	2.28E-07	2.53E-03	7.98E-07	2.32E-07	2.53E-03	7.97E-07	2.32E-07
2087	494761.06, 3859601.99	2.51E-03	7.91E-07	2.30E-07	2.56E-03	8.07E-07	2.35E-07	2.55E-03	8.06E-07	2.35E-07
2088	494811.06, 3859601.99	2.42E-03	7.63E-07	2.22E-07	2.47E-03	7.79E-07	2.27E-07	2.46E-03	7.78E-07	2.26E-07
2089	494861.06, 3859601.99	2.38E-03	7.51E-07	2.18E-07	2.43E-03	7.67E-07	2.23E-07	2.43E-03	7.66E-07	2.23E-07
2090	494911.06, 3859601.99	2.32E-03	7.31E-07	2.13E-07	2.36E-03	7.46E-07	2.17E-07	2.36E-03	7.45E-07	2.17E-07
2091	494961.06, 3859601.99	2.31E-03	7.31E-07	2.13E-07	2.36E-03	7.46E-07	2.17E-07	2.36E-03	7.45E-07	2.17E-07
2092	495011.06, 3859601.99	2.25E-03	7.10E-07	2.07E-07	2.30E-03	7.25E-07	2.11E-07	2.29E-03	7.24E-07	2.11E-07
2093	495061.06, 3859601.99	2.24E-03	7.06E-07	2.05E-07	2.28E-03	7.20E-07	2.09E-07	2.28E-03	7.19E-07	2.09E-07
2094	495111.06, 3859601.99	2.19E-03	6.91E-07	2.01E-07	2.23E-03	7.05E-07	2.05E-07	2.23E-03	7.04E-07	2.05E-07
2095	495161.06, 3859601.99	2.17E-03	6.85E-07	1.99E-07	2.21E-03	6.99E-07	2.03E-07	2.21E-03	6.98E-07	2.03E-07
2096	495211.06, 3859601.99	2.14E-03	6.76E-07	1.97E-07	2.19E-03	6.90E-07	2.01E-07	2.18E-03	6.89E-07	2.00E-07
2097	495261.06, 3859601.99	2.12E-03	6.69E-07	1.94E-07	2.16E-03	6.82E-07	1.98E-07	2.16E-03	6.82E-07	1.98E-07
2098	495311.06, 3859601.99	2.10E-03	6.62E-07	1.93E-07	2.14E-03	6.76E-07	1.97E-07	2.14E-03	6.75E-07	1.96E-07
2099	495361.06, 3859601.99	2.07E-03	6.53E-07	1.90E-07	2.11E-03	6.66E-07	1.94E-07	2.11E-03	6.65E-07	1.94E-07
2100	495411.06, 3859601.99	2.05E-03	6.46E-07	1.88E-07	2.09E-03	6.59E-07	1.92E-07	2.09E-03	6.58E-07	1.92E-07
2101	495461.06, 3859601.99	2.00E-03	6.31E-07	1.83E-07	2.04E-03	6.44E-07	1.87E-07	2.04E-03	6.43E-07	1.87E-07
2102	495511.06, 3859601.99	1.96E-03	6.17E-07	1.80E-07	2.00E-03	6.30E-07	1.83E-07	1.99E-03	6.29E-07	1.83E-07
2103	495561.06, 3859601.99	1.94E-03	6.13E-07	1.78E-07	1.98E-03	6.26E-07	1.82E-07	1.98E-03	6.25E-07	1.82E-07
2104	495611.06, 3859601.99	1.90E-03	5.98E-07	1.74E-07	1.93E-03	6.11E-07	1.78E-07	1.93E-03	6.10E-07	1.77E-07
2105	495661.06, 3859601.99	1.88E-03	5.92E-07	1.72E-07	1.92E-03	6.04E-07	1.76E-07	1.91E-03	6.04E-07	1.76E-07
2106	494311.06, 3859651.99	3.10E-03	9.78E-07	2.84E-07	3.16E-03	9.98E-07	2.90E-07	3.16E-03	9.97E-07	2.90E-07
2107	494361.06, 3859651.99	2.96E-03	9.33E-07	2.71E-07	3.02E-03	9.52E-07	2.77E-07	3.01E-03	9.51E-07	2.77E-07
2108	494411.06, 3859651.99	2.90E-03	9.15E-07	2.66E-07	2.96E-03	9.34E-07	2.72E-07	2.95E-03	9.33E-07	2.71E-07
2109	494461.06, 3859651.99	2.89E-03	9.13E-07	2.66E-07	2.95E-03	9.31E-07	2.71E-07	2.95E-03	9.30E-07	2.71E-07
2110	494511.06, 3859651.99	2.83E-03	8.93E-07	2.60E-07	2.89E-03	9.11E-07	2.65E-07	2.88E-03	9.10E-07	2.65E-07
2111	494561.06, 3859651.99	2.79E-03	8.80E-07	2.56E-07	2.85E-03	8.98E-07	2.61E-07	2.84E-03	8.97E-07	2.61E-07
2112	494611.06, 3859651.99	2.74E-03	8.66E-07	2.52E-07	2.80E-03	8.84E-07	2.57E-07	2.80E-03	8.83E-07	2.57E-07
2113	494661.06, 3859651.99	2.62E-03	8.28E-07	2.41E-07	2.68E-03	8.45E-07	2.46E-07	2.67E-03	8.44E-07	2.45E-07
2114	494711.06, 3859651.99	2.59E-03	8.16E-07	2.37E-07	2.64E-03	8.33E-07	2.42E-07	2.64E-03	8.32E-07	2.42E-07
2115	494761.06, 3859651.99	2.57E-03	8.11E-07	2.36E-07	2.62E-03	8.27E-07	2.41E-07	2.62E-03	8.26E-07	2.40E-07
2116	494811.06, 3859651.99	2.50E-03	7.91E-07	2.30E-07	2.56E-03	8.07E-07	2.35E-07	2.55E-03	8.06E-07	2.34E-07
2117	494861.06, 3859651.99	2.47E-03	7.80E-07	2.27E-07	2.52E-03	7.96E-07	2.31E-07	2.52E-03	7.95E-07	2.31E-07
2118	494911.06, 3859651.99	2.42E-03	7.65E-07	2.23E-07	2.47E-03	7.81E-07	2.27E-07	2.47E-03	7.80E-07	2.27E-07
2119	494961.06, 3859651.99	2.39E-03	7.54E-07	2.19E-07	2.44E-03	7.69E-07	2.24E-07	2.43E-03	7.68E-07	2.23E-07
2120	495011.06, 3859651.99	2.35E-03	7.41E-07	2.16E-07	2.40E-03	7.56E-07	2.20E-07	2.39E-03	7.55E-07	2.20E-07
2121	495061.06, 3859651.99	2.32E-03	7.32E-07	2.13E-07	2.37E-03	7.47E-07	2.17E-07	2.37E-03	7.46E-07	2.17E-07
2122	495111.06, 3859651.99	2.28E-03	7.19E-07	2.09E-07	2.32E-03	7.33E-07	2.13E-07	2.32E-03	7.33E-07	2.13E-07
2123	495161.06, 3859651.99	2.25E-03	7.09E-07	2.06E-07	2.29E-03	7.23E-07	2.10E-07	2.29E-03	7.22E-07	2.10E-07
2124	495211.06, 3859651.99	2.22E-03	7.01E-07	2.04E-07	2.27E-03	7.15E-07	2.08E-07	2.26E-03	7.14E-07	2.08E-07
2125	495261.06, 3859651.99	2.19E-03	6.91E-07	2.01E-07	2.23E-03	7.05E-07	2.05E-07	2.23E-03	7.04E-07	2.05E-07
2126	495311.06, 3859651.99	2.16E-03	6.82E-07	1.98E-07	2.20E-03	6.96E-07	2.02E-07	2.20E-03	6.95E-07	2.02E-07
2127	495361.06, 3859651.99	2.14E-03	6.74E-07	1.96E-07	2.18E-03	6.88E-07	2.00E-07	2.18E-03	6.87E-07	2.00E-07
2128	495411.06, 3859651.99	2.11E-03	6.64E-07	1.93E-07	2.15E-03	6.78E-07	1.97E-07	2.15E-03	6.77E-07	1.97E-07
2129	495461.06, 3859651.99	2.06E-03	6.49E-07	1.89E-07	2.10E-03	6.62E-07	1.93E-07	2.10E-03	6.62E-07	1.92E-07
2130	495511.06, 3859651.99	2.01E-03	6.36E-07	1.85E-07	2.06E-03	6.49E-07	1.89E-07	2.05E-03	6.48E-07	1.89E-07
2131	495561.06, 3859651.99	1.99E-03	6.29E-07	1.83E-07	2.03E-03	6.42E-07	1.87E-07	2.03E-03	6.41E-07	1.86E-07

2132	495611.06, 3859651.99	1.96E-03	6.19E-07	1.80E-07	2.00E-03	6.32E-07	1.84E-07	2.00E-03	6.31E-07	1.83E-07
2133	495661.06, 3859651.99	1.93E-03	6.08E-07	1.77E-07	1.97E-03	6.21E-07	1.81E-07	1.96E-03	6.20E-07	1.80E-07
2134	494311.06, 3859701.99	3.08E-03	9.72E-07	2.83E-07	3.14E-03	9.92E-07	2.88E-07	3.14E-03	9.90E-07	2.88E-07
2135	494361.06, 3859701.99	3.01E-03	9.51E-07	2.77E-07	3.07E-03	9.70E-07	2.82E-07	3.07E-03	9.69E-07	2.82E-07
2136	494411.06, 3859701.99	2.97E-03	9.39E-07	2.73E-07	3.04E-03	9.58E-07	2.79E-07	3.03E-03	9.57E-07	2.78E-07
2137	494461.06, 3859701.99	2.99E-03	9.42E-07	2.74E-07	3.05E-03	9.62E-07	2.80E-07	3.04E-03	9.60E-07	2.79E-07
2138	494511.06, 3859701.99	2.93E-03	9.24E-07	2.69E-07	2.99E-03	9.43E-07	2.74E-07	2.98E-03	9.42E-07	2.74E-07
2139	494561.06, 3859701.99	2.89E-03	9.11E-07	2.65E-07	2.95E-03	9.30E-07	2.71E-07	2.94E-03	9.29E-07	2.70E-07
2140	494611.06, 3859701.99	2.84E-03	8.97E-07	2.61E-07	2.90E-03	9.16E-07	2.66E-07	2.90E-03	9.15E-07	2.66E-07
2141	494661.06, 3859701.99	2.72E-03	8.57E-07	2.49E-07	2.77E-03	8.74E-07	2.54E-07	2.77E-03	8.73E-07	2.54E-07
2142	494711.06, 3859701.99	2.70E-03	8.51E-07	2.47E-07	2.75E-03	8.68E-07	2.53E-07	2.75E-03	8.67E-07	2.52E-07
2143	494761.06, 3859701.99	2.63E-03	8.32E-07	2.42E-07	2.69E-03	8.49E-07	2.47E-07	2.69E-03	8.48E-07	2.47E-07
2144	494811.06, 3859701.99	2.57E-03	8.12E-07	2.36E-07	2.63E-03	8.29E-07	2.41E-07	2.62E-03	8.28E-07	2.41E-07
2145	494861.06, 3859701.99	2.56E-03	8.08E-07	2.35E-07	2.61E-03	8.25E-07	2.40E-07	2.61E-03	8.24E-07	2.40E-07
2146	494911.06, 3859701.99	2.51E-03	7.92E-07	2.31E-07	2.56E-03	8.09E-07	2.35E-07	2.56E-03	8.08E-07	2.35E-07
2147	494961.06, 3859701.99	2.46E-03	7.78E-07	2.26E-07	2.51E-03	7.94E-07	2.31E-07	2.51E-03	7.93E-07	2.31E-07
2148	495011.06, 3859701.99	2.44E-03	7.69E-07	2.24E-07	2.48E-03	7.84E-07	2.28E-07	2.48E-03	7.83E-07	2.28E-07
2149	495061.06, 3859701.99	2.40E-03	7.56E-07	2.20E-07	2.45E-03	7.72E-07	2.25E-07	2.44E-03	7.71E-07	2.24E-07
2150	495111.06, 3859701.99	2.36E-03	7.44E-07	2.16E-07	2.41E-03	7.59E-07	2.21E-07	2.40E-03	7.59E-07	2.21E-07
2151	495161.06, 3859701.99	2.32E-03	7.31E-07	2.13E-07	2.36E-03	7.46E-07	2.17E-07	2.36E-03	7.45E-07	2.17E-07
2152	495211.06, 3859701.99	2.27E-03	7.18E-07	2.09E-07	2.32E-03	7.33E-07	2.13E-07	2.32E-03	7.32E-07	2.13E-07
2153	495261.06, 3859701.99	2.26E-03	7.13E-07	2.07E-07	2.31E-03	7.28E-07	2.12E-07	2.30E-03	7.27E-07	2.11E-07
2154	495311.06, 3859701.99	2.22E-03	7.01E-07	2.04E-07	2.27E-03	7.16E-07	2.08E-07	2.26E-03	7.15E-07	2.08E-07
2155	495361.06, 3859701.99	2.19E-03	6.90E-07	2.01E-07	2.23E-03	7.05E-07	2.05E-07	2.23E-03	7.04E-07	2.05E-07
2156	495411.06, 3859701.99	2.14E-03	6.76E-07	1.97E-07	2.19E-03	6.90E-07	2.01E-07	2.18E-03	6.89E-07	2.01E-07
2157	495461.06, 3859701.99	2.11E-03	6.66E-07	1.94E-07	2.15E-03	6.79E-07	1.98E-07	2.15E-03	6.78E-07	1.97E-07
2158	495511.06, 3859701.99	2.05E-03	6.47E-07	1.88E-07	2.09E-03	6.61E-07	1.92E-07	2.09E-03	6.60E-07	1.92E-07
2159	495561.06, 3859701.99	2.04E-03	6.45E-07	1.88E-07	2.09E-03	6.58E-07	1.91E-07	2.08E-03	6.58E-07	1.91E-07
2160	495611.06, 3859701.99	2.01E-03	6.36E-07	1.85E-07	2.05E-03	6.49E-07	1.89E-07	2.05E-03	6.48E-07	1.88E-07
2161	495661.06, 3859701.99	1.98E-03	6.25E-07	1.82E-07	2.02E-03	6.38E-07	1.86E-07	2.02E-03	6.37E-07	1.85E-07
2162	494311.06, 3859751.99	3.20E-03	1.01E-06	2.94E-07	3.27E-03	1.03E-06	3.00E-07	3.27E-03	1.03E-06	3.00E-07
2163	494361.06, 3859751.99	3.14E-03	9.91E-07	2.88E-07	3.20E-03	1.01E-06	2.94E-07	3.20E-03	1.01E-06	2.94E-07
2164	494411.06, 3859751.99	3.07E-03	9.68E-07	2.81E-07	3.13E-03	9.88E-07	2.87E-07	3.13E-03	9.86E-07	2.87E-07
2165	494461.06, 3859751.99	3.06E-03	9.66E-07	2.81E-07	3.12E-03	9.86E-07	2.87E-07	3.12E-03	9.85E-07	2.86E-07
2166	494511.06, 3859751.99	3.04E-03	9.58E-07	2.79E-07	3.10E-03	9.78E-07	2.84E-07	3.09E-03	9.77E-07	2.84E-07
2167	494561.06, 3859751.99	2.98E-03	9.40E-07	2.74E-07	3.04E-03	9.60E-07	2.79E-07	3.04E-03	9.58E-07	2.79E-07
2168	494611.06, 3859751.99	2.91E-03	9.18E-07	2.67E-07	2.97E-03	9.37E-07	2.73E-07	2.97E-03	9.36E-07	2.72E-07
2169	494661.06, 3859751.99	2.80E-03	8.83E-07	2.57E-07	2.85E-03	9.01E-07	2.62E-07	2.85E-03	9.00E-07	2.62E-07
2170	494711.06, 3859751.99	2.79E-03	8.79E-07	2.56E-07	2.84E-03	8.97E-07	2.61E-07	2.84E-03	8.96E-07	2.61E-07
2171	494761.06, 3859751.99	2.75E-03	8.67E-07	2.52E-07	2.80E-03	8.85E-07	2.57E-07	2.80E-03	8.84E-07	2.57E-07
2172	494811.06, 3859751.99	2.69E-03	8.49E-07	2.47E-07	2.74E-03	8.66E-07	2.52E-07	2.74E-03	8.65E-07	2.52E-07
2173	494861.06, 3859751.99	2.65E-03	8.35E-07	2.43E-07	2.70E-03	8.52E-07	2.48E-07	2.70E-03	8.51E-07	2.48E-07
2174	494911.06, 3859751.99	2.60E-03	8.22E-07	2.39E-07	2.66E-03	8.39E-07	2.44E-07	2.65E-03	8.38E-07	2.44E-07
2175	494961.06, 3859751.99	2.56E-03	8.09E-07	2.35E-07	2.61E-03	8.25E-07	2.40E-07	2.61E-03	8.24E-07	2.40E-07
2176	495011.06, 3859751.99	2.52E-03	7.95E-07	2.31E-07	2.57E-03	8.11E-07	2.36E-07	2.57E-03	8.10E-07	2.36E-07
2177	495061.06, 3859751.99	2.49E-03	7.85E-07	2.28E-07	2.54E-03	8.01E-07	2.33E-07	2.53E-03	8.00E-07	2.33E-07
2178	495111.06, 3859751.99	2.44E-03	7.72E-07	2.24E-07	2.49E-03	7.87E-07	2.29E-07	2.49E-03	7.86E-07	2.29E-07
2179	495161.06, 3859751.99	2.40E-03	7.57E-07	2.20E-07	2.45E-03	7.73E-07	2.25E-07	2.45E-03	7.72E-07	2.25E-07
2180	495211.06, 3859751.99	2.35E-03	7.43E-07	2.16E-07	2.40E-03	7.58E-07	2.21E-07	2.40E-03	7.58E-07	2.20E-07
2181	495261.06, 3859751.99	2.32E-03	7.34E-07	2.13E-07	2.37E-03	7.49E-07	2.18E-07	2.37E-03	7.48E-07	2.17E-07
2182	495311.06, 3859751.99	2.29E-03	7.21E-07	2.10E-07	2.33E-03	7.36E-07	2.14E-07	2.33E-03	7.35E-07	2.14E-07
2183	495361.06, 3859751.99	2.25E-03	7.10E-07	2.07E-07	2.30E-03	7.25E-07	2.11E-07	2.29E-03	7.24E-07	2.11E-07
2184	495411.06, 3859751.99	2.22E-03	6.99E-07	2.03E-07	2.26E-03	7.14E-07	2.08E-07	2.26E-03	7.13E-07	2.07E-07
2185	495461.06, 3859751.99	2.17E-03	6.85E-07	1.99E-07	2.21E-03	6.99E-07	2.03E-07	2.21E-03	6.98E-07	2.03E-07
2186	495511.06, 3859751.99	2.12E-03	6.70E-07	1.95E-07	2.17E-03	6.84E-07	1.99E-07	2.16E-03	6.83E-07	1.99E-07
2187	495561.06, 3859751.99	2.09E-03	6.60E-07	1.92E-07	2.13E-03	6.74E-07	1.96E-07	2.13E-03	6.73E-07	1.96E-07
2188	495611.06, 3859751.99	2.06E-03	6.50E-07	1.89E-07	2.10E-03	6.64E-07	1.93E-07	2.10E-03	6.63E-07	1.93E-07
2189	495661.06, 3859751.99	2.04E-03	6.43E-07	1.87E-07	2.08E-03	6.56E-07	1.91E-07	2.08E-03	6.55E-07	1.91E-07
2190	494311.06, 3859801.99	3.32E-03	1.05E-06	3.05E-07	3.39E-03	1.07E-06	3.11E-07	3.39E-03	1.07E-06	3.11E-07
2191	494361.06, 3859801.99	3.23E-03	1.02E-06	2.97E-07	3.30E-03	1.04E-06	3.03E-07	3.30E-03	1.04E-06	3.03E-07
2192	494411.06, 3859801.99	3.14E-03	9.92E-07	2.88E-07	3.21E-03	1.01E-06	2.94E-07	3.20E-03	1.01E-06	2.94E-07

2193	494461.06, 3859801.99	3.13E-03	9.88E-07	2.87E-07	3.20E-03	1.01E-06	2.93E-07	3.19E-03	1.01E-06	2.93E-07
2194	494511.06, 3859801.99	3.13E-03	9.87E-07	2.87E-07	3.19E-03	1.01E-06	2.93E-07	3.19E-03	1.01E-06	2.93E-07
2195	494561.06, 3859801.99	3.07E-03	9.69E-07	2.82E-07	3.13E-03	9.89E-07	2.88E-07	3.13E-03	9.87E-07	2.87E-07
2196	494611.06, 3859801.99	2.97E-03	9.36E-07	2.72E-07	3.03E-03	9.56E-07	2.78E-07	3.02E-03	9.54E-07	2.78E-07
2197	494661.06, 3859801.99	2.91E-03	9.17E-07	2.67E-07	2.97E-03	9.36E-07	2.72E-07	2.96E-03	9.35E-07	2.72E-07
2198	494711.06, 3859801.99	2.84E-03	8.95E-07	2.60E-07	2.89E-03	9.13E-07	2.66E-07	2.89E-03	9.12E-07	2.65E-07
2199	494761.06, 3859801.99	2.83E-03	8.93E-07	2.60E-07	2.89E-03	9.11E-07	2.65E-07	2.88E-03	9.10E-07	2.65E-07
2200	494811.06, 3859801.99	2.77E-03	8.76E-07	2.55E-07	2.83E-03	8.93E-07	2.60E-07	2.83E-03	8.92E-07	2.60E-07
2201	494861.06, 3859801.99	2.73E-03	8.63E-07	2.51E-07	2.79E-03	8.81E-07	2.56E-07	2.79E-03	8.80E-07	2.56E-07
2202	494911.06, 3859801.99	2.68E-03	8.45E-07	2.46E-07	2.73E-03	8.62E-07	2.51E-07	2.73E-03	8.61E-07	2.50E-07
2203	494961.06, 3859801.99	2.63E-03	8.31E-07	2.42E-07	2.69E-03	8.48E-07	2.47E-07	2.68E-03	8.47E-07	2.46E-07
2204	495011.06, 3859801.99	2.59E-03	8.17E-07	2.38E-07	2.64E-03	8.33E-07	2.42E-07	2.64E-03	8.32E-07	2.42E-07
2205	495061.06, 3859801.99	2.55E-03	8.05E-07	2.34E-07	2.60E-03	8.22E-07	2.39E-07	2.60E-03	8.21E-07	2.39E-07
2206	495111.06, 3859801.99	2.50E-03	7.89E-07	2.30E-07	2.55E-03	8.06E-07	2.34E-07	2.55E-03	8.05E-07	2.34E-07
2207	495161.06, 3859801.99	2.46E-03	7.75E-07	2.25E-07	2.51E-03	7.91E-07	2.30E-07	2.50E-03	7.90E-07	2.30E-07
2208	495211.06, 3859801.99	2.42E-03	7.64E-07	2.22E-07	2.47E-03	7.80E-07	2.27E-07	2.47E-03	7.79E-07	2.27E-07
2209	495261.06, 3859801.99	2.38E-03	7.50E-07	2.18E-07	2.42E-03	7.65E-07	2.23E-07	2.42E-03	7.64E-07	2.22E-07
2210	495311.06, 3859801.99	2.35E-03	7.40E-07	2.15E-07	2.39E-03	7.56E-07	2.20E-07	2.39E-03	7.55E-07	2.20E-07
2211	495361.06, 3859801.99	2.31E-03	7.28E-07	2.12E-07	2.35E-03	7.43E-07	2.16E-07	2.35E-03	7.42E-07	2.16E-07
2212	495411.06, 3859801.99	2.26E-03	7.14E-07	2.08E-07	2.31E-03	7.28E-07	2.12E-07	2.31E-03	7.28E-07	2.12E-07
2213	495461.06, 3859801.99	2.23E-03	7.03E-07	2.04E-07	2.27E-03	7.17E-07	2.09E-07	2.27E-03	7.16E-07	2.08E-07
2214	495511.06, 3859801.99	2.18E-03	6.87E-07	2.00E-07	2.22E-03	7.01E-07	2.04E-07	2.22E-03	7.00E-07	2.04E-07
2215	495561.06, 3859801.99	2.15E-03	6.78E-07	1.97E-07	2.19E-03	6.91E-07	2.01E-07	2.19E-03	6.91E-07	2.01E-07
2216	495611.06, 3859801.99	2.13E-03	6.72E-07	1.95E-07	2.17E-03	6.86E-07	1.99E-07	2.17E-03	6.85E-07	1.99E-07
2217	495661.06, 3859801.99	2.09E-03	6.59E-07	1.92E-07	2.13E-03	6.72E-07	1.95E-07	2.13E-03	6.71E-07	1.95E-07
2218	494311.06, 3859851.99	3.41E-03	1.08E-06	3.13E-07	3.48E-03	1.10E-06	3.19E-07	3.48E-03	1.10E-06	3.19E-07
2219	494361.06, 3859851.99	3.33E-03	1.05E-06	3.06E-07	3.40E-03	1.07E-06	3.12E-07	3.40E-03	1.07E-06	3.12E-07
2220	494411.06, 3859851.99	3.25E-03	1.02E-06	2.98E-07	3.31E-03	1.05E-06	3.04E-07	3.31E-03	1.04E-06	3.04E-07
2221	494461.06, 3859851.99	3.18E-03	1.00E-06	2.92E-07	3.25E-03	1.03E-06	2.98E-07	3.24E-03	1.02E-06	2.98E-07
2222	494511.06, 3859851.99	3.16E-03	9.97E-07	2.90E-07	3.22E-03	1.02E-06	2.96E-07	3.22E-03	1.02E-06	2.95E-07
2223	494561.06, 3859851.99	3.14E-03	9.92E-07	2.88E-07	3.21E-03	1.01E-06	2.94E-07	3.20E-03	1.01E-06	2.94E-07
2224	494611.06, 3859851.99	3.03E-03	9.56E-07	2.78E-07	3.09E-03	9.76E-07	2.84E-07	3.09E-03	9.75E-07	2.84E-07
2225	494661.06, 3859851.99	3.00E-03	9.46E-07	2.75E-07	3.06E-03	9.66E-07	2.81E-07	3.06E-03	9.65E-07	2.81E-07
2226	494711.06, 3859851.99	2.92E-03	9.21E-07	2.68E-07	2.98E-03	9.39E-07	2.73E-07	2.97E-03	9.38E-07	2.73E-07
2227	494761.06, 3859851.99	2.90E-03	9.16E-07	2.67E-07	2.96E-03	9.35E-07	2.72E-07	2.96E-03	9.34E-07	2.72E-07
2228	494811.06, 3859851.99	2.85E-03	8.99E-07	2.62E-07	2.91E-03	9.18E-07	2.67E-07	2.90E-03	9.17E-07	2.67E-07
2229	494861.06, 3859851.99	2.81E-03	8.88E-07	2.58E-07	2.87E-03	9.06E-07	2.64E-07	2.87E-03	9.05E-07	2.63E-07
2230	494911.06, 3859851.99	2.75E-03	8.69E-07	2.53E-07	2.81E-03	8.87E-07	2.58E-07	2.81E-03	8.86E-07	2.58E-07
2231	494961.06, 3859851.99	2.71E-03	8.55E-07	2.49E-07	2.76E-03	8.72E-07	2.54E-07	2.76E-03	8.71E-07	2.53E-07
2232	495011.06, 3859851.99	2.66E-03	8.40E-07	2.44E-07	2.72E-03	8.58E-07	2.49E-07	2.71E-03	8.57E-07	2.49E-07
2233	495061.06, 3859851.99	2.62E-03	8.28E-07	2.41E-07	2.68E-03	8.45E-07	2.46E-07	2.68E-03	8.44E-07	2.46E-07
2234	495111.06, 3859851.99	2.57E-03	8.11E-07	2.36E-07	2.62E-03	8.28E-07	2.41E-07	2.62E-03	8.27E-07	2.40E-07
2235	495161.06, 3859851.99	2.52E-03	7.97E-07	2.32E-07	2.58E-03	8.13E-07	2.36E-07	2.57E-03	8.12E-07	2.36E-07
2236	495211.06, 3859851.99	2.48E-03	7.84E-07	2.28E-07	2.53E-03	8.00E-07	2.33E-07	2.53E-03	7.99E-07	2.32E-07
2237	495261.06, 3859851.99	2.44E-03	7.70E-07	2.24E-07	2.49E-03	7.86E-07	2.29E-07	2.49E-03	7.85E-07	2.28E-07
2238	495311.06, 3859851.99	2.41E-03	7.59E-07	2.21E-07	2.45E-03	7.75E-07	2.25E-07	2.45E-03	7.74E-07	2.25E-07
2239	495361.06, 3859851.99	2.37E-03	7.47E-07	2.17E-07	2.42E-03	7.63E-07	2.22E-07	2.41E-03	7.62E-07	2.22E-07
2240	495411.06, 3859851.99	2.32E-03	7.33E-07	2.13E-07	2.37E-03	7.48E-07	2.18E-07	2.37E-03	7.47E-07	2.17E-07
2241	495461.06, 3859851.99	2.28E-03	7.20E-07	2.09E-07	2.33E-03	7.34E-07	2.14E-07	2.32E-03	7.33E-07	2.13E-07
2242	495511.06, 3859851.99	2.23E-03	7.05E-07	2.05E-07	2.28E-03	7.19E-07	2.09E-07	2.28E-03	7.18E-07	2.09E-07
2243	495561.06, 3859851.99	2.21E-03	6.96E-07	2.03E-07	2.25E-03	7.11E-07	2.07E-07	2.25E-03	7.10E-07	2.06E-07
2244	495611.06, 3859851.99	2.18E-03	6.88E-07	2.00E-07	2.22E-03	7.02E-07	2.04E-07	2.22E-03	7.01E-07	2.04E-07
2245	495661.06, 3859851.99	2.14E-03	6.74E-07	1.96E-07	2.18E-03	6.88E-07	2.00E-07	2.18E-03	6.87E-07	2.00E-07
2246	494311.06, 3859901.99	3.48E-03	1.10E-06	3.20E-07	3.55E-03	1.12E-06	3.26E-07	3.55E-03	1.12E-06	3.26E-07
2247	494361.06, 3859901.99	3.37E-03	1.06E-06	3.09E-07	3.44E-03	1.09E-06	3.16E-07	3.44E-03	1.08E-06	3.15E-07
2248	494411.06, 3859901.99	3.33E-03	1.05E-06	3.06E-07	3.40E-03	1.07E-06	3.12E-07	3.39E-03	1.07E-06	3.12E-07
2249	494461.06, 3859901.99	3.27E-03	1.03E-06	3.00E-07	3.33E-03	1.05E-06	3.06E-07	3.33E-03	1.05E-06	3.06E-07
2250	494511.06, 3859901.99	3.22E-03	1.02E-06	2.96E-07	3.29E-03	1.04E-06	3.02E-07	3.28E-03	1.04E-06	3.01E-07
2251	494561.06, 3859901.99	3.22E-03	1.02E-06	2.95E-07	3.28E-03	1.04E-06	3.02E-07	3.28E-03	1.04E-06	3.01E-07
2252	494611.06, 3859901.99	3.10E-03	9.78E-07	2.85E-07	3.16E-03	9.98E-07	2.90E-07	3.16E-03	9.97E-07	2.90E-07
2253	494661.06, 3859901.99	3.09E-03	9.74E-07	2.83E-07	3.15E-03	9.94E-07	2.89E-07	3.15E-03	9.93E-07	2.89E-07

2254	494711.06, 3859901.99	2.98E-03	9.40E-07	2.73E-07	3.04E-03	9.59E-07	2.79E-07	3.03E-03	9.58E-07	2.79E-07
2255	494761.06, 3859901.99	2.95E-03	9.32E-07	2.71E-07	3.01E-03	9.51E-07	2.77E-07	3.01E-03	9.49E-07	2.76E-07
2256	494811.06, 3859901.99	2.93E-03	9.24E-07	2.69E-07	2.99E-03	9.43E-07	2.74E-07	2.98E-03	9.42E-07	2.74E-07
2257	494861.06, 3859901.99	2.89E-03	9.11E-07	2.65E-07	2.95E-03	9.30E-07	2.70E-07	2.94E-03	9.29E-07	2.70E-07
2258	494911.06, 3859901.99	2.82E-03	8.92E-07	2.59E-07	2.88E-03	9.10E-07	2.65E-07	2.88E-03	9.09E-07	2.64E-07
2259	494961.06, 3859901.99	2.78E-03	8.79E-07	2.56E-07	2.84E-03	8.97E-07	2.61E-07	2.84E-03	8.95E-07	2.60E-07
2260	495011.06, 3859901.99	2.73E-03	8.61E-07	2.51E-07	2.79E-03	8.79E-07	2.56E-07	2.78E-03	8.78E-07	2.55E-07
2261	495061.06, 3859901.99	2.68E-03	8.47E-07	2.46E-07	2.74E-03	8.64E-07	2.51E-07	2.73E-03	8.63E-07	2.51E-07
2262	495111.06, 3859901.99	2.63E-03	8.29E-07	2.41E-07	2.68E-03	8.45E-07	2.46E-07	2.68E-03	8.44E-07	2.46E-07
2263	495161.06, 3859901.99	2.57E-03	8.12E-07	2.36E-07	2.63E-03	8.29E-07	2.41E-07	2.62E-03	8.28E-07	2.41E-07
2264	495211.06, 3859901.99	2.54E-03	8.02E-07	2.33E-07	2.59E-03	8.18E-07	2.38E-07	2.59E-03	8.17E-07	2.38E-07
2265	495261.06, 3859901.99	2.48E-03	7.84E-07	2.28E-07	2.53E-03	8.00E-07	2.33E-07	2.53E-03	7.99E-07	2.32E-07
2266	495311.06, 3859901.99	2.45E-03	7.74E-07	2.25E-07	2.50E-03	7.90E-07	2.30E-07	2.50E-03	7.89E-07	2.30E-07
2267	495361.06, 3859901.99	2.41E-03	7.61E-07	2.21E-07	2.46E-03	7.76E-07	2.26E-07	2.46E-03	7.75E-07	2.26E-07
2268	495411.06, 3859901.99	2.36E-03	7.46E-07	2.17E-07	2.41E-03	7.61E-07	2.21E-07	2.41E-03	7.60E-07	2.21E-07
2269	495461.06, 3859901.99	2.32E-03	7.33E-07	2.13E-07	2.37E-03	7.48E-07	2.17E-07	2.37E-03	7.47E-07	2.17E-07
2270	495511.06, 3859901.99	2.29E-03	7.23E-07	2.10E-07	2.34E-03	7.38E-07	2.15E-07	2.33E-03	7.37E-07	2.14E-07
2271	495561.06, 3859901.99	2.26E-03	7.14E-07	2.08E-07	2.31E-03	7.28E-07	2.12E-07	2.30E-03	7.27E-07	2.12E-07
2272	495611.06, 3859901.99	2.22E-03	7.00E-07	2.04E-07	2.26E-03	7.15E-07	2.08E-07	2.26E-03	7.14E-07	2.08E-07
2273	495661.06, 3859901.99	2.18E-03	6.87E-07	2.00E-07	2.22E-03	7.01E-07	2.04E-07	2.22E-03	7.00E-07	2.04E-07
2274	494311.06, 3859951.99	3.56E-03	1.12E-06	3.27E-07	3.64E-03	1.15E-06	3.34E-07	3.63E-03	1.15E-06	3.33E-07
2275	494361.06, 3859951.99	3.48E-03	1.10E-06	3.19E-07	3.55E-03	1.12E-06	3.26E-07	3.54E-03	1.12E-06	3.25E-07
2276	494411.06, 3859951.99	3.40E-03	1.07E-06	3.12E-07	3.47E-03	1.10E-06	3.19E-07	3.47E-03	1.09E-06	3.18E-07
2277	494461.06, 3859951.99	3.34E-03	1.05E-06	3.06E-07	3.40E-03	1.07E-06	3.12E-07	3.40E-03	1.07E-06	3.12E-07
2278	494511.06, 3859951.99	3.29E-03	1.04E-06	3.02E-07	3.36E-03	1.06E-06	3.08E-07	3.35E-03	1.06E-06	3.08E-07
2279	494561.06, 3859951.99	3.30E-03	1.04E-06	3.03E-07	3.37E-03	1.06E-06	3.09E-07	3.36E-03	1.06E-06	3.09E-07
2280	494611.06, 3859951.99	3.19E-03	1.01E-06	2.93E-07	3.25E-03	1.03E-06	2.99E-07	3.25E-03	1.03E-06	2.98E-07
2281	494661.06, 3859951.99	3.17E-03	1.00E-06	2.91E-07	3.23E-03	1.02E-06	2.97E-07	3.23E-03	1.02E-06	2.97E-07
2282	494711.06, 3859951.99	3.07E-03	9.69E-07	2.82E-07	3.13E-03	9.89E-07	2.88E-07	3.13E-03	9.88E-07	2.87E-07
2283	494761.06, 3859951.99	3.03E-03	9.57E-07	2.78E-07	3.09E-03	9.76E-07	2.84E-07	3.09E-03	9.75E-07	2.84E-07
2284	494811.06, 3859951.99	2.98E-03	9.42E-07	2.74E-07	3.05E-03	9.61E-07	2.80E-07	3.04E-03	9.60E-07	2.79E-07
2285	494861.06, 3859951.99	2.95E-03	9.33E-07	2.71E-07	3.01E-03	9.52E-07	2.77E-07	3.01E-03	9.50E-07	2.76E-07
2286	494911.06, 3859951.99	2.89E-03	9.12E-07	2.65E-07	2.95E-03	9.31E-07	2.71E-07	2.94E-03	9.29E-07	2.70E-07
2287	494961.06, 3859951.99	2.83E-03	8.93E-07	2.60E-07	2.89E-03	9.12E-07	2.65E-07	2.89E-03	9.11E-07	2.65E-07
2288	495011.06, 3859951.99	2.78E-03	8.77E-07	2.55E-07	2.83E-03	8.95E-07	2.60E-07	2.83E-03	8.94E-07	2.60E-07
2289	495061.06, 3859951.99	2.73E-03	8.63E-07	2.51E-07	2.79E-03	8.81E-07	2.56E-07	2.79E-03	8.80E-07	2.56E-07
2290	495111.06, 3859951.99	2.68E-03	8.45E-07	2.46E-07	2.73E-03	8.62E-07	2.51E-07	2.73E-03	8.61E-07	2.50E-07
2291	495161.06, 3859951.99	2.62E-03	8.27E-07	2.41E-07	2.68E-03	8.44E-07	2.46E-07	2.67E-03	8.43E-07	2.45E-07
2292	495211.06, 3859951.99	2.57E-03	8.11E-07	2.36E-07	2.62E-03	8.28E-07	2.41E-07	2.62E-03	8.27E-07	2.40E-07
2293	495261.06, 3859951.99	2.53E-03	7.97E-07	2.32E-07	2.58E-03	8.14E-07	2.37E-07	2.57E-03	8.13E-07	2.36E-07
2294	495311.06, 3859951.99	2.50E-03	7.88E-07	2.29E-07	2.55E-03	8.05E-07	2.34E-07	2.55E-03	8.04E-07	2.34E-07
2295	495361.06, 3859951.99	2.46E-03	7.77E-07	2.26E-07	2.51E-03	7.92E-07	2.30E-07	2.51E-03	7.91E-07	2.30E-07
2296	495411.06, 3859951.99	2.41E-03	7.61E-07	2.21E-07	2.46E-03	7.77E-07	2.26E-07	2.46E-03	7.76E-07	2.26E-07
2297	495461.06, 3859951.99	2.37E-03	7.48E-07	2.18E-07	2.42E-03	7.63E-07	2.22E-07	2.42E-03	7.62E-07	2.22E-07
2298	495511.06, 3859951.99	2.33E-03	7.35E-07	2.14E-07	2.38E-03	7.50E-07	2.18E-07	2.37E-03	7.49E-07	2.18E-07
2299	495561.06, 3859951.99	2.31E-03	7.28E-07	2.12E-07	2.35E-03	7.43E-07	2.16E-07	2.35E-03	7.42E-07	2.16E-07
2300	495611.06, 3859951.99	2.26E-03	7.15E-07	2.08E-07	2.31E-03	7.29E-07	2.12E-07	2.31E-03	7.28E-07	2.12E-07
2301	495661.06, 3859951.99	2.22E-03	7.00E-07	2.03E-07	2.26E-03	7.14E-07	2.08E-07	2.26E-03	7.13E-07	2.07E-07
2302	494311.06, 3860001.99	3.63E-03	1.15E-06	3.33E-07	3.71E-03	1.17E-06	3.40E-07	3.70E-03	1.17E-06	3.40E-07
2303	494361.06, 3860001.99	3.56E-03	1.12E-06	3.27E-07	3.63E-03	1.15E-06	3.33E-07	3.63E-03	1.14E-06	3.33E-07
2304	494411.06, 3860001.99	3.46E-03	1.09E-06	3.18E-07	3.53E-03	1.11E-06	3.24E-07	3.52E-03	1.11E-06	3.24E-07
2305	494461.06, 3860001.99	3.41E-03	1.08E-06	3.13E-07	3.48E-03	1.10E-06	3.19E-07	3.47E-03	1.10E-06	3.19E-07
2306	494511.06, 3860001.99	3.33E-03	1.05E-06	3.06E-07	3.40E-03	1.07E-06	3.12E-07	3.39E-03	1.07E-06	3.12E-07
2307	494561.06, 3860001.99	3.36E-03	1.06E-06	3.09E-07	3.43E-03	1.08E-06	3.15E-07	3.43E-03	1.08E-06	3.15E-07
2308	494611.06, 3860001.99	3.28E-03	1.04E-06	3.01E-07	3.35E-03	1.06E-06	3.07E-07	3.34E-03	1.06E-06	3.07E-07
2309	494661.06, 3860001.99	3.23E-03	1.02E-06	2.97E-07	3.30E-03	1.04E-06	3.03E-07	3.29E-03	1.04E-06	3.02E-07
2310	494711.06, 3860001.99	3.10E-03	9.78E-07	2.85E-07	3.16E-03	9.98E-07	2.90E-07	3.16E-03	9.97E-07	2.90E-07
2311	494761.06, 3860001.99	3.09E-03	9.76E-07	2.84E-07	3.16E-03	9.96E-07	2.90E-07	3.15E-03	9.95E-07	2.89E-07
2312	494811.06, 3860001.99	3.05E-03	9.64E-07	2.80E-07	3.12E-03	9.83E-07	2.86E-07	3.11E-03	9.82E-07	2.86E-07
2313	494861.06, 3860001.99	3.02E-03	9.53E-07	2.77E-07	3.08E-03	9.73E-07	2.83E-07	3.08E-03	9.71E-07	2.83E-07
2314	494911.06, 3860001.99	2.91E-03	9.18E-07	2.67E-07	2.97E-03	9.36E-07	2.72E-07	2.96E-03	9.35E-07	2.72E-07

2315	494961.06, 3860001.99	2.87E-03	9.07E-07	2.64E-07	2.93E-03	9.25E-07	2.69E-07	2.93E-03	9.24E-07	2.69E-07
2316	495011.06, 3860001.99	2.81E-03	8.88E-07	2.58E-07	2.87E-03	9.06E-07	2.64E-07	2.87E-03	9.05E-07	2.63E-07
2317	495061.06, 3860001.99	2.78E-03	8.78E-07	2.56E-07	2.84E-03	8.96E-07	2.61E-07	2.84E-03	8.95E-07	2.60E-07
2318	495111.06, 3860001.99	2.73E-03	8.60E-07	2.50E-07	2.78E-03	8.78E-07	2.55E-07	2.78E-03	8.77E-07	2.55E-07
2319	495161.06, 3860001.99	2.67E-03	8.42E-07	2.45E-07	2.72E-03	8.60E-07	2.50E-07	2.72E-03	8.58E-07	2.50E-07
2320	495211.06, 3860001.99	2.64E-03	8.33E-07	2.42E-07	2.69E-03	8.50E-07	2.47E-07	2.69E-03	8.49E-07	2.47E-07
2321	495261.06, 3860001.99	2.59E-03	8.17E-07	2.38E-07	2.64E-03	8.33E-07	2.42E-07	2.64E-03	8.32E-07	2.42E-07
2322	495311.06, 3860001.99	2.55E-03	8.04E-07	2.34E-07	2.60E-03	8.21E-07	2.39E-07	2.60E-03	8.20E-07	2.38E-07
2323	495361.06, 3860001.99	2.48E-03	7.84E-07	2.28E-07	2.53E-03	8.00E-07	2.33E-07	2.53E-03	7.99E-07	2.32E-07
2324	495411.06, 3860001.99	2.46E-03	7.77E-07	2.26E-07	2.51E-03	7.93E-07	2.31E-07	2.51E-03	7.92E-07	2.30E-07
2325	495461.06, 3860001.99	2.42E-03	7.64E-07	2.22E-07	2.47E-03	7.79E-07	2.27E-07	2.47E-03	7.78E-07	2.26E-07
2326	495511.06, 3860001.99	2.38E-03	7.51E-07	2.19E-07	2.43E-03	7.67E-07	2.23E-07	2.43E-03	7.66E-07	2.23E-07
2327	495561.06, 3860001.99	2.35E-03	7.43E-07	2.16E-07	2.40E-03	7.58E-07	2.20E-07	2.40E-03	7.57E-07	2.20E-07
2328	495611.06, 3860001.99	2.31E-03	7.28E-07	2.12E-07	2.35E-03	7.43E-07	2.16E-07	2.35E-03	7.42E-07	2.16E-07
2329	495661.06, 3860001.99	2.26E-03	7.14E-07	2.08E-07	2.31E-03	7.28E-07	2.12E-07	2.31E-03	7.28E-07	2.12E-07
2330	494411.06, 3860051.99	3.53E-03	1.11E-06	3.24E-07	3.60E-03	1.14E-06	3.31E-07	3.60E-03	1.14E-06	3.31E-07
2331	494461.06, 3860051.99	3.46E-03	1.09E-06	3.18E-07	3.53E-03	1.11E-06	3.24E-07	3.53E-03	1.11E-06	3.24E-07
2332	494511.06, 3860051.99	3.40E-03	1.07E-06	3.12E-07	3.47E-03	1.09E-06	3.18E-07	3.46E-03	1.09E-06	3.18E-07
2333	494561.06, 3860051.99	3.38E-03	1.07E-06	3.11E-07	3.45E-03	1.09E-06	3.17E-07	3.45E-03	1.09E-06	3.17E-07
2334	494611.06, 3860051.99	3.34E-03	1.05E-06	3.07E-07	3.41E-03	1.08E-06	3.13E-07	3.40E-03	1.07E-06	3.13E-07
2335	494661.06, 3860051.99	3.29E-03	1.04E-06	3.02E-07	3.36E-03	1.06E-06	3.08E-07	3.35E-03	1.06E-06	3.08E-07
2336	494711.06, 3860051.99	3.19E-03	1.01E-06	2.93E-07	3.26E-03	1.03E-06	2.99E-07	3.25E-03	1.03E-06	2.99E-07
2337	494761.06, 3860051.99	3.15E-03	9.94E-07	2.89E-07	3.21E-03	1.01E-06	2.95E-07	3.21E-03	1.01E-06	2.95E-07
2338	494811.06, 3860051.99	3.12E-03	9.86E-07	2.87E-07	3.19E-03	1.01E-06	2.93E-07	3.18E-03	1.00E-06	2.92E-07
2339	494861.06, 3860051.99	3.09E-03	9.76E-07	2.84E-07	3.16E-03	9.96E-07	2.90E-07	3.15E-03	9.95E-07	2.89E-07
2340	494911.06, 3860051.99	3.02E-03	9.53E-07	2.77E-07	3.08E-03	9.72E-07	2.83E-07	3.08E-03	9.71E-07	2.82E-07
2341	494961.06, 3860051.99	2.94E-03	9.29E-07	2.70E-07	3.00E-03	9.48E-07	2.76E-07	3.00E-03	9.47E-07	2.75E-07
2342	495011.06, 3860051.99	2.88E-03	9.08E-07	2.64E-07	2.94E-03	9.27E-07	2.70E-07	2.93E-03	9.26E-07	2.69E-07
2343	495061.06, 3860051.99	2.83E-03	8.92E-07	2.59E-07	2.88E-03	9.10E-07	2.65E-07	2.88E-03	9.09E-07	2.64E-07
2344	495111.06, 3860051.99	2.76E-03	8.71E-07	2.53E-07	2.82E-03	8.89E-07	2.58E-07	2.81E-03	8.87E-07	2.58E-07
2345	495161.06, 3860051.99	2.71E-03	8.56E-07	2.49E-07	2.77E-03	8.73E-07	2.54E-07	2.76E-03	8.72E-07	2.54E-07
2346	495211.06, 3860051.99	2.66E-03	8.39E-07	2.44E-07	2.71E-03	8.56E-07	2.49E-07	2.71E-03	8.55E-07	2.49E-07
2347	495261.06, 3860051.99	2.62E-03	8.27E-07	2.40E-07	2.67E-03	8.44E-07	2.45E-07	2.67E-03	8.43E-07	2.45E-07
2348	495311.06, 3860051.99	2.59E-03	8.16E-07	2.37E-07	2.64E-03	8.33E-07	2.42E-07	2.64E-03	8.32E-07	2.42E-07
2349	495361.06, 3860051.99	2.55E-03	8.04E-07	2.34E-07	2.60E-03	8.20E-07	2.39E-07	2.60E-03	8.19E-07	2.38E-07
2350	495411.06, 3860051.99	2.51E-03	7.91E-07	2.30E-07	2.56E-03	8.07E-07	2.35E-07	2.55E-03	8.06E-07	2.34E-07
2351	495461.06, 3860051.99	2.46E-03	7.77E-07	2.26E-07	2.51E-03	7.93E-07	2.31E-07	2.51E-03	7.92E-07	2.30E-07
2352	495511.06, 3860051.99	2.43E-03	7.66E-07	2.23E-07	2.48E-03	7.82E-07	2.27E-07	2.47E-03	7.81E-07	2.27E-07
2353	495561.06, 3860051.99	2.39E-03	7.54E-07	2.19E-07	2.44E-03	7.70E-07	2.24E-07	2.44E-03	7.69E-07	2.24E-07
2354	495611.06, 3860051.99	2.35E-03	7.41E-07	2.15E-07	2.39E-03	7.56E-07	2.20E-07	2.39E-03	7.55E-07	2.20E-07
2355	495661.06, 3860051.99	2.30E-03	7.25E-07	2.11E-07	2.34E-03	7.40E-07	2.15E-07	2.34E-03	7.39E-07	2.15E-07
2356	494411.06, 3860101.99	3.54E-03	1.12E-06	3.25E-07	3.61E-03	1.14E-06	3.32E-07	3.61E-03	1.14E-06	3.31E-07
2357	494461.06, 3860101.99	3.52E-03	1.11E-06	3.23E-07	3.59E-03	1.13E-06	3.30E-07	3.59E-03	1.13E-06	3.29E-07
2358	494511.06, 3860101.99	3.42E-03	1.08E-06	3.14E-07	3.49E-03	1.10E-06	3.21E-07	3.49E-03	1.10E-06	3.20E-07
2359	494561.06, 3860101.99	3.38E-03	1.07E-06	3.11E-07	3.45E-03	1.09E-06	3.17E-07	3.45E-03	1.09E-06	3.17E-07
2360	494611.06, 3860101.99	3.37E-03	1.06E-06	3.09E-07	3.44E-03	1.09E-06	3.16E-07	3.43E-03	1.08E-06	3.15E-07
2361	494661.06, 3860101.99	3.32E-03	1.05E-06	3.05E-07	3.39E-03	1.07E-06	3.11E-07	3.39E-03	1.07E-06	3.11E-07
2362	494711.06, 3860101.99	3.24E-03	1.02E-06	2.97E-07	3.30E-03	1.04E-06	3.03E-07	3.30E-03	1.04E-06	3.03E-07
2363	494761.06, 3860101.99	3.19E-03	1.01E-06	2.93E-07	3.26E-03	1.03E-06	2.99E-07	3.25E-03	1.03E-06	2.99E-07
2364	494811.06, 3860101.99	3.15E-03	9.94E-07	2.89E-07	3.21E-03	1.01E-06	2.95E-07	3.21E-03	1.01E-06	2.95E-07
2365	494861.06, 3860101.99	3.16E-03	9.97E-07	2.90E-07	3.22E-03	1.02E-06	2.96E-07	3.22E-03	1.02E-06	2.95E-07
2366	494911.06, 3860101.99	3.02E-03	9.54E-07	2.78E-07	3.09E-03	9.74E-07	2.83E-07	3.08E-03	9.73E-07	2.83E-07
2367	494961.06, 3860101.99	2.98E-03	9.39E-07	2.73E-07	3.04E-03	9.59E-07	2.79E-07	3.03E-03	9.57E-07	2.78E-07
2368	495011.06, 3860101.99	2.91E-03	9.19E-07	2.67E-07	2.97E-03	9.38E-07	2.73E-07	2.97E-03	9.37E-07	2.73E-07
2369	495061.06, 3860101.99	2.85E-03	9.01E-07	2.62E-07	2.91E-03	9.19E-07	2.67E-07	2.91E-03	9.18E-07	2.67E-07
2370	495111.06, 3860101.99	2.79E-03	8.79E-07	2.56E-07	2.84E-03	8.97E-07	2.61E-07	2.84E-03	8.96E-07	2.61E-07
2371	495161.06, 3860101.99	2.75E-03	8.67E-07	2.52E-07	2.80E-03	8.85E-07	2.57E-07	2.80E-03	8.84E-07	2.57E-07
2372	495211.06, 3860101.99	2.70E-03	8.52E-07	2.48E-07	2.75E-03	8.69E-07	2.53E-07	2.75E-03	8.68E-07	2.53E-07
2373	495261.06, 3860101.99	2.65E-03	8.37E-07	2.44E-07	2.71E-03	8.54E-07	2.49E-07	2.70E-03	8.53E-07	2.48E-07
2374	495311.06, 3860101.99	2.61E-03	8.25E-07	2.40E-07	2.67E-03	8.41E-07	2.45E-07	2.66E-03	8.40E-07	2.44E-07
2375	495361.06, 3860101.99	2.58E-03	8.15E-07	2.37E-07	2.63E-03	8.31E-07	2.42E-07	2.63E-03	8.30E-07	2.41E-07

2376	495411.06, 3860101.99	2.54E-03	8.01E-07	2.33E-07	2.59E-03	8.17E-07	2.38E-07	2.59E-03	8.16E-07	2.37E-07
2377	495461.06, 3860101.99	2.48E-03	7.83E-07	2.28E-07	2.53E-03	7.99E-07	2.32E-07	2.53E-03	7.98E-07	2.32E-07
2378	495511.06, 3860101.99	2.45E-03	7.74E-07	2.25E-07	2.50E-03	7.90E-07	2.30E-07	2.50E-03	7.89E-07	2.29E-07
2379	495561.06, 3860101.99	2.42E-03	7.65E-07	2.22E-07	2.47E-03	7.81E-07	2.27E-07	2.47E-03	7.80E-07	2.27E-07
2380	495611.06, 3860101.99	2.37E-03	7.48E-07	2.18E-07	2.42E-03	7.64E-07	2.22E-07	2.42E-03	7.63E-07	2.22E-07
2381	495661.06, 3860101.99	2.33E-03	7.37E-07	2.14E-07	2.38E-03	7.52E-07	2.19E-07	2.38E-03	7.51E-07	2.18E-07
2382	494861.06, 3860151.99	3.21E-03	1.01E-06	2.94E-07	3.27E-03	1.03E-06	3.00E-07	3.27E-03	1.03E-06	3.00E-07
2383	494911.06, 3860151.99	3.07E-03	9.68E-07	2.82E-07	3.13E-03	9.88E-07	2.87E-07	3.13E-03	9.87E-07	2.87E-07
2384	494961.06, 3860151.99	3.01E-03	9.49E-07	2.76E-07	3.07E-03	9.68E-07	2.82E-07	3.06E-03	9.67E-07	2.81E-07
2385	495011.06, 3860151.99	2.94E-03	9.29E-07	2.70E-07	3.00E-03	9.48E-07	2.76E-07	3.00E-03	9.46E-07	2.75E-07
2386	495061.06, 3860151.99	2.88E-03	9.09E-07	2.64E-07	2.94E-03	9.28E-07	2.70E-07	2.94E-03	9.27E-07	2.70E-07
2387	495111.06, 3860151.99	2.83E-03	8.93E-07	2.60E-07	2.89E-03	9.11E-07	2.65E-07	2.88E-03	9.10E-07	2.65E-07
2388	495161.06, 3860151.99	2.78E-03	8.78E-07	2.55E-07	2.84E-03	8.96E-07	2.61E-07	2.84E-03	8.95E-07	2.60E-07
2389	495211.06, 3860151.99	2.73E-03	8.62E-07	2.51E-07	2.79E-03	8.80E-07	2.56E-07	2.78E-03	8.79E-07	2.56E-07
2390	495261.06, 3860151.99	2.69E-03	8.49E-07	2.47E-07	2.74E-03	8.66E-07	2.52E-07	2.74E-03	8.65E-07	2.52E-07
2391	495311.06, 3860151.99	2.65E-03	8.36E-07	2.43E-07	2.70E-03	8.53E-07	2.48E-07	2.70E-03	8.52E-07	2.48E-07
2392	495361.06, 3860151.99	2.61E-03	8.23E-07	2.40E-07	2.66E-03	8.40E-07	2.44E-07	2.66E-03	8.39E-07	2.44E-07
2393	495411.06, 3860151.99	2.57E-03	8.10E-07	2.36E-07	2.62E-03	8.26E-07	2.40E-07	2.61E-03	8.25E-07	2.40E-07
2394	495461.06, 3860151.99	2.52E-03	7.97E-07	2.32E-07	2.58E-03	8.13E-07	2.37E-07	2.57E-03	8.12E-07	2.36E-07
2395	495511.06, 3860151.99	2.48E-03	7.83E-07	2.28E-07	2.53E-03	7.98E-07	2.32E-07	2.53E-03	7.98E-07	2.32E-07
2396	495561.06, 3860151.99	2.44E-03	7.72E-07	2.24E-07	2.49E-03	7.87E-07	2.29E-07	2.49E-03	7.86E-07	2.29E-07
2397	495611.06, 3860151.99	2.40E-03	7.58E-07	2.21E-07	2.45E-03	7.74E-07	2.25E-07	2.45E-03	7.73E-07	2.25E-07
2398	495661.06, 3860151.99	2.36E-03	7.44E-07	2.16E-07	2.41E-03	7.59E-07	2.21E-07	2.40E-03	7.58E-07	2.21E-07
2399	495718.25, 3859442.96	1.68E-03	5.30E-07	1.54E-07	1.71E-03	5.40E-07	1.57E-07	1.71E-03	5.40E-07	1.57E-07
2400	495818.25, 3859442.96	1.63E-03	5.14E-07	1.50E-07	1.66E-03	5.25E-07	1.53E-07	1.66E-03	5.24E-07	1.52E-07
2401	495918.25, 3859442.96	1.59E-03	5.02E-07	1.46E-07	1.62E-03	5.12E-07	1.49E-07	1.62E-03	5.12E-07	1.49E-07
2402	496018.25, 3859442.96	1.56E-03	4.92E-07	1.43E-07	1.59E-03	5.02E-07	1.46E-07	1.59E-03	5.01E-07	1.46E-07
2403	496118.25, 3859442.96	1.56E-03	4.91E-07	1.43E-07	1.59E-03	5.01E-07	1.46E-07	1.59E-03	5.01E-07	1.46E-07
2404	496218.25, 3859442.96	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.99E-07	1.45E-07
2405	496318.25, 3859442.96	1.52E-03	4.80E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.89E-07	1.42E-07
2406	496418.25, 3859442.96	1.49E-03	4.71E-07	1.37E-07	1.52E-03	4.80E-07	1.40E-07	1.52E-03	4.80E-07	1.40E-07
2407	495718.25, 3859542.96	1.78E-03	5.63E-07	1.64E-07	1.82E-03	5.75E-07	1.67E-07	1.82E-03	5.74E-07	1.67E-07
2408	495818.25, 3859542.96	1.74E-03	5.49E-07	1.60E-07	1.78E-03	5.60E-07	1.63E-07	1.77E-03	5.60E-07	1.63E-07
2409	495918.25, 3859542.96	1.69E-03	5.33E-07	1.55E-07	1.72E-03	5.44E-07	1.58E-07	1.72E-03	5.44E-07	1.58E-07
2410	496018.25, 3859542.96	1.65E-03	5.20E-07	1.51E-07	1.68E-03	5.31E-07	1.54E-07	1.68E-03	5.30E-07	1.54E-07
2411	496118.25, 3859542.96	1.64E-03	5.19E-07	1.51E-07	1.68E-03	5.29E-07	1.54E-07	1.68E-03	5.29E-07	1.54E-07
2412	496218.25, 3859542.96	1.63E-03	5.14E-07	1.50E-07	1.66E-03	5.25E-07	1.53E-07	1.66E-03	5.24E-07	1.52E-07
2413	496318.25, 3859542.96	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.18E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
2414	496418.25, 3859542.96	1.57E-03	4.95E-07	1.44E-07	1.60E-03	5.05E-07	1.47E-07	1.60E-03	5.05E-07	1.47E-07
2415	495718.25, 3859642.96	1.88E-03	5.93E-07	1.72E-07	1.92E-03	6.05E-07	1.76E-07	1.91E-03	6.04E-07	1.76E-07
2416	495818.25, 3859642.96	1.82E-03	5.75E-07	1.67E-07	1.86E-03	5.87E-07	1.71E-07	1.86E-03	5.87E-07	1.71E-07
2417	495918.25, 3859642.96	1.78E-03	5.63E-07	1.64E-07	1.82E-03	5.74E-07	1.67E-07	1.82E-03	5.74E-07	1.67E-07
2418	496018.25, 3859642.96	1.74E-03	5.48E-07	1.59E-07	1.77E-03	5.59E-07	1.63E-07	1.77E-03	5.59E-07	1.62E-07
2419	496118.25, 3859642.96	1.74E-03	5.48E-07	1.59E-07	1.77E-03	5.60E-07	1.63E-07	1.77E-03	5.59E-07	1.63E-07
2420	496218.25, 3859642.96	1.73E-03	5.45E-07	1.58E-07	1.76E-03	5.56E-07	1.62E-07	1.76E-03	5.55E-07	1.62E-07
2421	496318.25, 3859642.96	1.69E-03	5.32E-07	1.55E-07	1.72E-03	5.43E-07	1.58E-07	1.72E-03	5.42E-07	1.58E-07
2422	496418.25, 3859642.96	1.59E-03	5.01E-07	1.46E-07	1.62E-03	5.11E-07	1.49E-07	1.62E-03	5.11E-07	1.48E-07
2423	495718.25, 3859742.96	1.99E-03	6.29E-07	1.83E-07	2.03E-03	6.42E-07	1.87E-07	2.03E-03	6.41E-07	1.87E-07
2424	495818.25, 3859742.96	1.93E-03	6.08E-07	1.77E-07	1.96E-03	6.20E-07	1.80E-07	1.96E-03	6.19E-07	1.80E-07
2425	495918.25, 3859742.96	1.87E-03	5.91E-07	1.72E-07	1.91E-03	6.03E-07	1.75E-07	1.91E-03	6.02E-07	1.75E-07
2426	496018.25, 3859742.96	1.82E-03	5.74E-07	1.67E-07	1.86E-03	5.86E-07	1.70E-07	1.85E-03	5.85E-07	1.70E-07
2427	496118.25, 3859742.96	1.81E-03	5.72E-07	1.66E-07	1.85E-03	5.84E-07	1.70E-07	1.85E-03	5.83E-07	1.70E-07
2428	496218.25, 3859742.96	1.82E-03	5.73E-07	1.67E-07	1.85E-03	5.85E-07	1.70E-07	1.85E-03	5.84E-07	1.70E-07
2429	496318.25, 3859742.96	1.72E-03	5.42E-07	1.58E-07	1.75E-03	5.53E-07	1.61E-07	1.75E-03	5.52E-07	1.61E-07
2430	496418.25, 3859742.96	1.63E-03	5.13E-07	1.49E-07	1.66E-03	5.24E-07	1.52E-07	1.66E-03	5.23E-07	1.52E-07
2431	495718.25, 3859842.96	2.09E-03	6.60E-07	1.92E-07	2.13E-03	6.74E-07	1.96E-07	2.13E-03	6.73E-07	1.96E-07
2432	495818.25, 3859842.96	2.03E-03	6.41E-07	1.86E-07	2.07E-03	6.54E-07	1.90E-07	2.07E-03	6.53E-07	1.90E-07
2433	495918.25, 3859842.96	1.97E-03	6.22E-07	1.81E-07	2.01E-03	6.34E-07	1.85E-07	2.01E-03	6.34E-07	1.84E-07
2434	496018.25, 3859842.96	1.93E-03	6.09E-07	1.77E-07	1.97E-03	6.21E-07	1.81E-07	1.97E-03	6.20E-07	1.80E-07
2435	496118.25, 3859842.96	1.93E-03	6.10E-07	1.77E-07	1.97E-03	6.22E-07	1.81E-07	1.97E-03	6.22E-07	1.81E-07
2436	496218.25, 3859842.96	1.83E-03	5.79E-07	1.68E-07	1.87E-03	5.91E-07	1.72E-07	1.87E-03	5.90E-07	1.72E-07

2437	496318.25, 3859842.96	1.67E-03	5.27E-07	1.53E-07	1.70E-03	5.38E-07	1.56E-07	1.70E-03	5.37E-07	1.56E-07
2438	496418.25, 3859842.96	1.57E-03	4.96E-07	1.44E-07	1.60E-03	5.06E-07	1.47E-07	1.60E-03	5.05E-07	1.47E-07
2439	495718.25, 3859942.96	2.18E-03	6.87E-07	2.00E-07	2.22E-03	7.01E-07	2.04E-07	2.22E-03	7.00E-07	2.04E-07
2440	495818.25, 3859942.96	2.11E-03	6.65E-07	1.93E-07	2.15E-03	6.78E-07	1.97E-07	2.15E-03	6.78E-07	1.97E-07
2441	495918.25, 3859942.96	2.05E-03	6.48E-07	1.89E-07	2.10E-03	6.61E-07	1.92E-07	2.09E-03	6.61E-07	1.92E-07
2442	496018.25, 3859942.96	2.04E-03	6.44E-07	1.87E-07	2.08E-03	6.57E-07	1.91E-07	2.08E-03	6.56E-07	1.91E-07
2443	496118.25, 3859942.96	1.95E-03	6.15E-07	1.79E-07	1.99E-03	6.27E-07	1.82E-07	1.99E-03	6.27E-07	1.82E-07
2444	496218.25, 3859942.96	1.82E-03	5.75E-07	1.67E-07	1.86E-03	5.86E-07	1.71E-07	1.86E-03	5.86E-07	1.70E-07
2445	496318.25, 3859942.96	1.70E-03	5.37E-07	1.56E-07	1.74E-03	5.48E-07	1.59E-07	1.74E-03	5.48E-07	1.59E-07
2446	496418.25, 3859942.96	1.57E-03	4.94E-07	1.44E-07	1.60E-03	5.05E-07	1.47E-07	1.60E-03	5.04E-07	1.47E-07
2447	496856.82, 3858864.83	9.90E-04	3.12E-07	9.09E-08	1.01E-03	3.19E-07	9.27E-08	1.01E-03	3.18E-07	9.26E-08
2448	496956.82, 3858864.83	9.72E-04	3.07E-07	8.93E-08	9.92E-04	3.13E-07	9.11E-08	9.91E-04	3.13E-07	9.10E-08
2449	497056.82, 3858864.83	9.56E-04	3.02E-07	8.78E-08	9.75E-04	3.08E-07	8.95E-08	9.74E-04	3.07E-07	8.94E-08
2450	497156.82, 3858864.83	9.36E-04	2.96E-07	8.60E-08	9.56E-04	3.02E-07	8.77E-08	9.54E-04	3.01E-07	8.76E-08
2451	497256.82, 3858864.83	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.69E-08	9.46E-04	2.98E-07	8.68E-08
2452	496856.82, 3858964.83	1.05E-03	3.32E-07	9.66E-08	1.07E-03	3.39E-07	9.85E-08	1.07E-03	3.38E-07	9.84E-08
2453	496956.82, 3858964.83	1.03E-03	3.24E-07	9.42E-08	1.05E-03	3.30E-07	9.61E-08	1.05E-03	3.30E-07	9.60E-08
2454	497056.82, 3858964.83	1.01E-03	3.18E-07	9.24E-08	1.03E-03	3.24E-07	9.42E-08	1.03E-03	3.24E-07	9.41E-08
2455	497156.82, 3858964.83	9.86E-04	3.11E-07	9.05E-08	1.01E-03	3.17E-07	9.23E-08	1.00E-03	3.17E-07	9.22E-08
2456	497256.82, 3858964.83	9.88E-04	3.12E-07	9.07E-08	1.01E-03	3.18E-07	9.25E-08	1.01E-03	3.18E-07	9.24E-08
2457	496856.82, 3859064.83	1.10E-03	3.48E-07	1.01E-07	1.12E-03	3.55E-07	1.03E-07	1.12E-03	3.54E-07	1.03E-07
2458	496956.82, 3859064.83	1.08E-03	3.40E-07	9.90E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
2459	497056.82, 3859064.83	1.06E-03	3.34E-07	9.71E-08	1.08E-03	3.41E-07	9.91E-08	1.08E-03	3.40E-07	9.90E-08
2460	497156.82, 3859064.83	1.04E-03	3.28E-07	9.54E-08	1.06E-03	3.35E-07	9.74E-08	1.06E-03	3.34E-07	9.72E-08
2461	497256.82, 3859064.83	1.05E-03	3.31E-07	9.63E-08	1.07E-03	3.38E-07	9.82E-08	1.07E-03	3.37E-07	9.81E-08
2462	496856.82, 3859164.83	1.14E-03	3.60E-07	1.05E-07	1.16E-03	3.68E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
2463	496956.82, 3859164.83	1.11E-03	3.52E-07	1.02E-07	1.14E-03	3.59E-07	1.04E-07	1.14E-03	3.58E-07	1.04E-07
2464	497056.82, 3859164.83	1.10E-03	3.47E-07	1.01E-07	1.12E-03	3.54E-07	1.03E-07	1.12E-03	3.53E-07	1.03E-07
2465	497156.82, 3859164.83	1.10E-03	3.46E-07	1.01E-07	1.12E-03	3.53E-07	1.03E-07	1.12E-03	3.53E-07	1.03E-07
2466	497256.82, 3859164.83	1.11E-03	3.51E-07	1.02E-07	1.13E-03	3.58E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
2467	496856.82, 3859264.83	1.17E-03	3.70E-07	1.08E-07	1.20E-03	3.77E-07	1.10E-07	1.19E-03	3.77E-07	1.10E-07
2468	496956.82, 3859264.83	1.16E-03	3.66E-07	1.07E-07	1.18E-03	3.74E-07	1.09E-07	1.18E-03	3.73E-07	1.09E-07
2469	497056.82, 3859264.83	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.73E-07	1.09E-07	1.18E-03	3.73E-07	1.08E-07
2470	497156.82, 3859264.83	1.16E-03	3.65E-07	1.06E-07	1.18E-03	3.72E-07	1.08E-07	1.18E-03	3.72E-07	1.08E-07
2471	497256.82, 3859264.83	1.17E-03	3.68E-07	1.07E-07	1.19E-03	3.75E-07	1.09E-07	1.19E-03	3.75E-07	1.09E-07
2472	497088.92, 3858620.93	8.21E-04	2.59E-07	7.53E-08	8.37E-04	2.64E-07	7.69E-08	8.36E-04	2.64E-07	7.68E-08
2473	497138.92, 3858620.93	8.19E-04	2.58E-07	7.52E-08	8.36E-04	2.64E-07	7.67E-08	8.35E-04	2.63E-07	7.66E-08
2474	497188.92, 3858620.93	8.16E-04	2.57E-07	7.49E-08	8.32E-04	2.63E-07	7.64E-08	8.31E-04	2.62E-07	7.63E-08
2475	497238.92, 3858620.93	8.11E-04	2.56E-07	7.45E-08	8.28E-04	2.61E-07	7.60E-08	8.27E-04	2.61E-07	7.59E-08
2476	497088.92, 3858670.93	8.40E-04	2.65E-07	7.71E-08	8.57E-04	2.70E-07	7.87E-08	8.56E-04	2.70E-07	7.86E-08
2477	497138.92, 3858670.93	8.42E-04	2.66E-07	7.73E-08	8.59E-04	2.71E-07	7.88E-08	8.58E-04	2.71E-07	7.87E-08
2478	497188.92, 3858670.93	8.34E-04	2.63E-07	7.66E-08	8.52E-04	2.69E-07	7.82E-08	8.51E-04	2.68E-07	7.81E-08
2479	497238.92, 3858670.93	8.32E-04	2.63E-07	7.64E-08	8.49E-04	2.68E-07	7.80E-08	8.48E-04	2.68E-07	7.79E-08
2480	497088.92, 3858720.93	8.72E-04	2.75E-07	8.00E-08	8.89E-04	2.81E-07	8.17E-08	8.88E-04	2.80E-07	8.16E-08
2481	497138.92, 3858720.93	8.53E-04	2.69E-07	7.83E-08	8.70E-04	2.75E-07	7.99E-08	8.69E-04	2.74E-07	7.98E-08
2482	497188.92, 3858720.93	8.48E-04	2.68E-07	7.79E-08	8.65E-04	2.73E-07	7.94E-08	8.64E-04	2.73E-07	7.93E-08
2483	497238.92, 3858720.93	8.55E-04	2.70E-07	7.85E-08	8.73E-04	2.75E-07	8.01E-08	8.72E-04	2.75E-07	8.00E-08
2484	497088.92, 3858770.93	8.93E-04	2.82E-07	8.19E-08	9.11E-04	2.87E-07	8.36E-08	9.10E-04	2.87E-07	8.35E-08
2485	497138.92, 3858770.93	8.83E-04	2.79E-07	8.11E-08	9.01E-04	2.85E-07	8.28E-08	9.00E-04	2.84E-07	8.27E-08
2486	497188.92, 3858770.93	8.74E-04	2.76E-07	8.02E-08	8.92E-04	2.81E-07	8.19E-08	8.91E-04	2.81E-07	8.18E-08
2487	497238.92, 3858770.93	8.79E-04	2.78E-07	8.07E-08	8.97E-04	2.83E-07	8.24E-08	8.96E-04	2.83E-07	8.23E-08
2488	497396.65, 3858622.63	8.36E-04	2.64E-07	7.67E-08	8.53E-04	2.69E-07	7.83E-08	8.52E-04	2.69E-07	7.82E-08
2489	497496.65, 3858622.63	8.49E-04	2.68E-07	7.80E-08	8.67E-04	2.74E-07	7.96E-08	8.66E-04	2.73E-07	7.95E-08
2490	497596.65, 3858622.63	8.74E-04	2.76E-07	8.03E-08	8.92E-04	2.82E-07	8.19E-08	8.91E-04	2.81E-07	8.18E-08
2491	497696.65, 3858622.63	8.83E-04	2.79E-07	8.11E-08	9.01E-04	2.85E-07	8.28E-08	9.00E-04	2.84E-07	8.27E-08
2492	497796.65, 3858622.63	9.00E-04	2.84E-07	8.26E-08	9.19E-04	2.90E-07	8.43E-08	9.17E-04	2.90E-07	8.42E-08
2493	497896.65, 3858622.63	9.18E-04	2.90E-07	8.42E-08	9.36E-04	2.96E-07	8.60E-08	9.35E-04	2.95E-07	8.59E-08
2494	497396.65, 3858722.63	8.85E-04	2.79E-07	8.12E-08	9.03E-04	2.85E-07	8.29E-08	9.02E-04	2.85E-07	8.28E-08
2495	497496.65, 3858722.63	8.98E-04	2.83E-07	8.25E-08	9.16E-04	2.89E-07	8.41E-08	9.15E-04	2.89E-07	8.40E-08
2496	497596.65, 3858722.63	9.24E-04	2.92E-07	8.48E-08	9.43E-04	2.98E-07	8.65E-08	9.42E-04	2.97E-07	8.64E-08
2497	497696.65, 3858722.63	9.37E-04	2.96E-07	8.60E-08	9.56E-04	3.02E-07	8.78E-08	9.55E-04	3.02E-07	8.77E-08

2498	497796.65, 3858722.63	9.44E-04	2.98E-07	8.66E-08	9.63E-04	3.04E-07	8.84E-08	9.62E-04	3.04E-07	8.83E-08
2499	497896.65, 3858722.63	9.55E-04	3.01E-07	8.77E-08	9.75E-04	3.08E-07	8.95E-08	9.73E-04	3.07E-07	8.94E-08
2500	497396.65, 3858822.63	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.69E-08	9.46E-04	2.98E-07	8.68E-08
2501	497496.65, 3858822.63	9.38E-04	2.96E-07	8.61E-08	9.57E-04	3.02E-07	8.79E-08	9.56E-04	3.02E-07	8.78E-08
2502	497596.65, 3858822.63	9.66E-04	3.05E-07	8.86E-08	9.85E-04	3.11E-07	9.05E-08	9.84E-04	3.11E-07	9.04E-08
2503	497696.65, 3858822.63	9.78E-04	3.09E-07	8.98E-08	9.98E-04	3.15E-07	9.16E-08	9.97E-04	3.15E-07	9.15E-08
2504	497796.65, 3858822.63	9.81E-04	3.10E-07	9.01E-08	1.00E-03	3.16E-07	9.19E-08	1.00E-03	3.16E-07	9.18E-08
2505	497896.65, 3858822.63	1.01E-03	3.17E-07	9.23E-08	1.03E-03	3.24E-07	9.42E-08	1.02E-03	3.23E-07	9.41E-08
2506	497396.65, 3858922.63	9.74E-04	3.07E-07	8.94E-08	9.94E-04	3.14E-07	9.12E-08	9.93E-04	3.13E-07	9.11E-08
2507	497496.65, 3858922.63	9.99E-04	3.15E-07	9.18E-08	1.02E-03	3.22E-07	9.36E-08	1.02E-03	3.22E-07	9.35E-08
2508	497596.65, 3858922.63	9.94E-04	3.14E-07	9.13E-08	1.01E-03	3.20E-07	9.31E-08	1.01E-03	3.20E-07	9.30E-08
2509	497696.65, 3858922.63	1.02E-03	3.23E-07	9.39E-08	1.04E-03	3.29E-07	9.58E-08	1.04E-03	3.29E-07	9.57E-08
2510	497796.65, 3858922.63	1.04E-03	3.29E-07	9.56E-08	1.06E-03	3.35E-07	9.76E-08	1.06E-03	3.35E-07	9.74E-08
2511	497896.65, 3858922.63	1.07E-03	3.37E-07	9.81E-08	1.09E-03	3.44E-07	1.00E-07	1.09E-03	3.44E-07	9.99E-08
2512	497364.44, 3858201.52	6.93E-04	2.19E-07	6.36E-08	7.07E-04	2.23E-07	6.49E-08	7.06E-04	2.23E-07	6.48E-08
2513	497414.44, 3858201.52	6.98E-04	2.20E-07	6.41E-08	7.13E-04	2.25E-07	6.54E-08	7.12E-04	2.25E-07	6.53E-08
2514	497464.44, 3858201.52	7.05E-04	2.22E-07	6.47E-08	7.19E-04	2.27E-07	6.60E-08	7.18E-04	2.27E-07	6.59E-08
2515	497514.44, 3858201.52	7.09E-04	2.24E-07	6.51E-08	7.24E-04	2.28E-07	6.64E-08	7.23E-04	2.28E-07	6.64E-08
2516	497564.44, 3858201.52	7.08E-04	2.23E-07	6.50E-08	7.22E-04	2.28E-07	6.63E-08	7.21E-04	2.28E-07	6.62E-08
2517	497614.44, 3858201.52	7.10E-04	2.24E-07	6.51E-08	7.24E-04	2.29E-07	6.65E-08	7.23E-04	2.28E-07	6.64E-08
2518	497364.44, 3858251.52	7.15E-04	2.26E-07	6.56E-08	7.29E-04	2.30E-07	6.69E-08	7.28E-04	2.30E-07	6.69E-08
2519	497414.44, 3858251.52	7.24E-04	2.29E-07	6.65E-08	7.39E-04	2.33E-07	6.78E-08	7.38E-04	2.33E-07	6.77E-08
2520	497464.44, 3858251.52	7.20E-04	2.27E-07	6.61E-08	7.34E-04	2.32E-07	6.74E-08	7.33E-04	2.31E-07	6.73E-08
2521	497514.44, 3858251.52	7.14E-04	2.25E-07	6.55E-08	7.29E-04	2.30E-07	6.69E-08	7.28E-04	2.30E-07	6.68E-08
2522	497564.44, 3858251.52	7.13E-04	2.25E-07	6.54E-08	7.27E-04	2.30E-07	6.68E-08	7.26E-04	2.29E-07	6.67E-08
2523	497614.44, 3858251.52	7.12E-04	2.25E-07	6.53E-08	7.26E-04	2.29E-07	6.67E-08	7.25E-04	2.29E-07	6.66E-08
2524	497364.44, 3858301.52	7.28E-04	2.30E-07	6.68E-08	7.43E-04	2.34E-07	6.82E-08	7.42E-04	2.34E-07	6.81E-08
2525	497414.44, 3858301.52	7.35E-04	2.32E-07	6.74E-08	7.50E-04	2.37E-07	6.88E-08	7.49E-04	2.36E-07	6.87E-08
2526	497464.44, 3858301.52	7.28E-04	2.30E-07	6.69E-08	7.43E-04	2.35E-07	6.82E-08	7.42E-04	2.34E-07	6.82E-08
2527	497514.44, 3858301.52	7.25E-04	2.29E-07	6.65E-08	7.39E-04	2.33E-07	6.79E-08	7.39E-04	2.33E-07	6.78E-08
2528	497564.44, 3858301.52	7.18E-04	2.27E-07	6.60E-08	7.33E-04	2.31E-07	6.73E-08	7.32E-04	2.31E-07	6.72E-08
2529	497614.44, 3858301.52	7.17E-04	2.26E-07	6.58E-08	7.31E-04	2.31E-07	6.71E-08	7.30E-04	2.31E-07	6.71E-08
2530	497364.44, 3858351.52	7.45E-04	2.35E-07	6.84E-08	7.60E-04	2.40E-07	6.98E-08	7.59E-04	2.40E-07	6.97E-08
2531	497414.44, 3858351.52	7.41E-04	2.34E-07	6.80E-08	7.56E-04	2.39E-07	6.94E-08	7.55E-04	2.38E-07	6.93E-08
2532	497464.44, 3858351.52	7.40E-04	2.34E-07	6.79E-08	7.55E-04	2.38E-07	6.93E-08	7.54E-04	2.38E-07	6.92E-08
2533	497514.44, 3858351.52	7.37E-04	2.33E-07	6.76E-08	7.52E-04	2.37E-07	6.90E-08	7.51E-04	2.37E-07	6.89E-08
2534	497564.44, 3858351.52	7.28E-04	2.30E-07	6.69E-08	7.43E-04	2.35E-07	6.82E-08	7.42E-04	2.34E-07	6.82E-08
2535	497614.44, 3858351.52	7.27E-04	2.29E-07	6.67E-08	7.42E-04	2.34E-07	6.81E-08	7.41E-04	2.34E-07	6.80E-08
2536	497364.44, 3858401.52	7.49E-04	2.37E-07	6.88E-08	7.65E-04	2.41E-07	7.02E-08	7.64E-04	2.41E-07	7.01E-08
2537	497414.44, 3858401.52	7.51E-04	2.37E-07	6.89E-08	7.66E-04	2.42E-07	7.03E-08	7.65E-04	2.42E-07	7.03E-08
2538	497464.44, 3858401.52	7.46E-04	2.36E-07	6.85E-08	7.62E-04	2.40E-07	6.99E-08	7.61E-04	2.40E-07	6.98E-08
2539	497514.44, 3858401.52	7.44E-04	2.35E-07	6.83E-08	7.59E-04	2.40E-07	6.97E-08	7.58E-04	2.39E-07	6.96E-08
2540	497564.44, 3858401.52	7.51E-04	2.37E-07	6.89E-08	7.66E-04	2.42E-07	7.03E-08	7.65E-04	2.42E-07	7.03E-08
2541	497614.44, 3858401.52	7.55E-04	2.38E-07	6.93E-08	7.71E-04	2.43E-07	7.07E-08	7.70E-04	2.43E-07	7.07E-08
2542	493478.11, 3860497.94	5.42E-03	1.71E-06	4.98E-07	5.53E-03	1.75E-06	5.08E-07	5.52E-03	1.74E-06	5.07E-07
2543	493528.11, 3860497.94	5.28E-03	1.67E-06	4.84E-07	5.38E-03	1.70E-06	4.94E-07	5.38E-03	1.70E-06	4.94E-07
2544	493478.11, 3860547.94	5.23E-03	1.65E-06	4.80E-07	5.34E-03	1.68E-06	4.90E-07	5.33E-03	1.68E-06	4.89E-07
2545	493528.11, 3860547.94	5.10E-03	1.61E-06	4.68E-07	5.20E-03	1.64E-06	4.77E-07	5.19E-03	1.64E-06	4.77E-07
2546	493478.11, 3860597.94	5.02E-03	1.58E-06	4.61E-07	5.12E-03	1.62E-06	4.70E-07	5.12E-03	1.61E-06	4.70E-07
2547	493528.11, 3860597.94	4.89E-03	1.54E-06	4.49E-07	4.99E-03	1.58E-06	4.58E-07	4.99E-03	1.57E-06	4.58E-07
2548	493561.88, 3860524.64	5.09E-03	1.61E-06	4.67E-07	5.20E-03	1.64E-06	4.77E-07	5.19E-03	1.64E-06	4.76E-07
2549	493591.88, 3860524.64	5.01E-03	1.58E-06	4.60E-07	5.11E-03	1.61E-06	4.70E-07	5.11E-03	1.61E-06	4.69E-07
2550	493561.88, 3860554.64	4.98E-03	1.57E-06	4.57E-07	5.08E-03	1.60E-06	4.67E-07	5.08E-03	1.60E-06	4.66E-07
2551	493591.88, 3860554.64	4.91E-03	1.55E-06	4.50E-07	5.01E-03	1.58E-06	4.60E-07	5.00E-03	1.58E-06	4.59E-07
2552	492880.5, 3860293.11	9.01E-03	2.84E-06	8.27E-07	9.19E-03	2.90E-06	8.44E-07	9.18E-03	2.90E-06	8.43E-07
2553	492930.5, 3860293.11	8.62E-03	2.72E-06	7.91E-07	8.80E-03	2.78E-06	8.07E-07	8.79E-03	2.77E-06	8.07E-07
2554	492980.5, 3860293.11	8.25E-03	2.60E-06	7.57E-07	8.42E-03	2.66E-06	7.73E-07	8.41E-03	2.65E-06	7.72E-07
2555	493030.5, 3860293.11	7.75E-03	2.45E-06	7.12E-07	7.91E-03	2.50E-06	7.26E-07	7.90E-03	2.49E-06	7.26E-07
2556	493080.5, 3860293.11	7.18E-03	2.27E-06	6.59E-07	7.33E-03	2.31E-06	6.73E-07	7.32E-03	2.31E-06	6.72E-07
2557	493130.5, 3860293.11	7.16E-03	2.26E-06	6.58E-07	7.31E-03	2.31E-06	6.71E-07	7.30E-03	2.30E-06	6.70E-07
2558	493180.5, 3860293.11	7.06E-03	2.23E-06	6.48E-07	7.20E-03	2.27E-06	6.61E-07	7.19E-03	2.27E-06	6.60E-07

2559	493230.5, 3860293.11	6.85E-03	2.16E-06	6.29E-07	6.99E-03	2.21E-06	6.42E-07	6.98E-03	2.20E-06	6.41E-07
2560	493280.5, 3860293.11	6.56E-03	2.07E-06	6.02E-07	6.69E-03	2.11E-06	6.15E-07	6.69E-03	2.11E-06	6.14E-07
2561	493330.5, 3860293.11	6.32E-03	2.00E-06	5.81E-07	6.45E-03	2.04E-06	5.92E-07	6.45E-03	2.03E-06	5.92E-07
2562	493380.5, 3860293.11	6.12E-03	1.93E-06	5.62E-07	6.25E-03	1.97E-06	5.74E-07	6.24E-03	1.97E-06	5.73E-07
2563	492880.5, 3860343.11	8.95E-03	2.83E-06	8.22E-07	9.13E-03	2.88E-06	8.39E-07	9.12E-03	2.88E-06	8.38E-07
2564	492930.5, 3860343.11	8.58E-03	2.71E-06	7.87E-07	8.75E-03	2.76E-06	8.04E-07	8.74E-03	2.76E-06	8.03E-07
2565	492980.5, 3860343.11	8.08E-03	2.55E-06	7.42E-07	8.24E-03	2.60E-06	7.57E-07	8.23E-03	2.60E-06	7.56E-07
2566	493030.5, 3860343.11	7.77E-03	2.45E-06	7.13E-07	7.93E-03	2.50E-06	7.28E-07	7.92E-03	2.50E-06	7.27E-07
2567	493080.5, 3860343.11	7.29E-03	2.30E-06	6.69E-07	7.44E-03	2.35E-06	6.83E-07	7.43E-03	2.35E-06	6.82E-07
2568	493130.5, 3860343.11	7.11E-03	2.24E-06	6.53E-07	7.25E-03	2.29E-06	6.66E-07	7.25E-03	2.29E-06	6.65E-07
2569	493180.5, 3860343.11	7.00E-03	2.21E-06	6.42E-07	7.14E-03	2.25E-06	6.55E-07	7.13E-03	2.25E-06	6.55E-07
2570	493230.5, 3860343.11	6.78E-03	2.14E-06	6.23E-07	6.92E-03	2.18E-06	6.35E-07	6.91E-03	2.18E-06	6.35E-07
2571	493280.5, 3860343.11	6.51E-03	2.05E-06	5.97E-07	6.64E-03	2.10E-06	6.10E-07	6.63E-03	2.09E-06	6.09E-07
2572	493330.5, 3860343.11	6.26E-03	1.98E-06	5.75E-07	6.39E-03	2.02E-06	5.87E-07	6.38E-03	2.02E-06	5.86E-07
2573	493380.5, 3860343.11	6.07E-03	1.92E-06	5.58E-07	6.20E-03	1.96E-06	5.69E-07	6.19E-03	1.95E-06	5.68E-07
2574	492880.5, 3860393.11	8.78E-03	2.77E-06	8.06E-07	8.96E-03	2.83E-06	8.23E-07	8.95E-03	2.83E-06	8.22E-07
2575	492930.5, 3860393.11	8.41E-03	2.66E-06	7.72E-07	8.59E-03	2.71E-06	7.88E-07	8.58E-03	2.71E-06	7.87E-07
2576	492980.5, 3860393.11	8.03E-03	2.53E-06	7.37E-07	8.19E-03	2.59E-06	7.52E-07	8.18E-03	2.58E-06	7.51E-07
2577	493030.5, 3860393.11	7.67E-03	2.42E-06	7.05E-07	7.83E-03	2.47E-06	7.19E-07	7.82E-03	2.47E-06	7.18E-07
2578	493080.5, 3860393.11	7.23E-03	2.28E-06	6.64E-07	7.38E-03	2.33E-06	6.78E-07	7.37E-03	2.33E-06	6.77E-07
2579	493130.5, 3860393.11	7.06E-03	2.23E-06	6.48E-07	7.20E-03	2.27E-06	6.61E-07	7.19E-03	2.27E-06	6.60E-07
2580	493180.5, 3860393.11	6.91E-03	2.18E-06	6.34E-07	7.05E-03	2.22E-06	6.47E-07	7.04E-03	2.22E-06	6.46E-07
2581	493230.5, 3860393.11	6.67E-03	2.11E-06	6.13E-07	6.81E-03	2.15E-06	6.25E-07	6.80E-03	2.15E-06	6.24E-07
2582	493280.5, 3860393.11	6.40E-03	2.02E-06	5.88E-07	6.53E-03	2.06E-06	6.00E-07	6.52E-03	2.06E-06	5.99E-07
2583	493330.5, 3860393.11	6.17E-03	1.95E-06	5.66E-07	6.30E-03	1.99E-06	5.78E-07	6.29E-03	1.98E-06	5.77E-07
2584	493380.5, 3860393.11	5.98E-03	1.89E-06	5.49E-07	6.10E-03	1.93E-06	5.60E-07	6.09E-03	1.92E-06	5.59E-07
2585	492880.5, 3860443.11	8.50E-03	2.68E-06	7.80E-07	8.67E-03	2.74E-06	7.96E-07	8.66E-03	2.73E-06	7.95E-07
2586	492930.5, 3860443.11	8.15E-03	2.57E-06	7.49E-07	8.32E-03	2.63E-06	7.64E-07	8.31E-03	2.62E-06	7.63E-07
2587	492980.5, 3860443.11	7.83E-03	2.47E-06	7.19E-07	7.99E-03	2.52E-06	7.34E-07	7.98E-03	2.52E-06	7.33E-07
2588	493030.5, 3860443.11	7.51E-03	2.37E-06	6.89E-07	7.66E-03	2.42E-06	7.03E-07	7.65E-03	2.42E-06	7.03E-07
2589	493080.5, 3860443.11	7.23E-03	2.28E-06	6.63E-07	7.37E-03	2.33E-06	6.77E-07	7.36E-03	2.32E-06	6.76E-07
2590	493130.5, 3860443.11	6.96E-03	2.20E-06	6.39E-07	7.10E-03	2.24E-06	6.52E-07	7.10E-03	2.24E-06	6.51E-07
2591	493180.5, 3860443.11	6.76E-03	2.13E-06	6.21E-07	6.90E-03	2.18E-06	6.33E-07	6.89E-03	2.17E-06	6.33E-07
2592	493230.5, 3860443.11	6.50E-03	2.05E-06	5.97E-07	6.63E-03	2.09E-06	6.09E-07	6.62E-03	2.09E-06	6.08E-07
2593	493280.5, 3860443.11	6.27E-03	1.98E-06	5.75E-07	6.40E-03	2.02E-06	5.87E-07	6.39E-03	2.02E-06	5.87E-07
2594	493330.5, 3860443.11	6.03E-03	1.90E-06	5.53E-07	6.15E-03	1.94E-06	5.64E-07	6.14E-03	1.94E-06	5.64E-07
2595	493380.5, 3860443.11	5.86E-03	1.85E-06	5.38E-07	5.98E-03	1.89E-06	5.49E-07	5.97E-03	1.89E-06	5.48E-07
2596	493180.5, 3860493.11	6.52E-03	2.06E-06	5.99E-07	6.65E-03	2.10E-06	6.11E-07	6.65E-03	2.10E-06	6.10E-07
2597	493230.5, 3860493.11	6.30E-03	1.99E-06	5.78E-07	6.43E-03	2.03E-06	5.90E-07	6.42E-03	2.03E-06	5.89E-07
2598	493280.5, 3860493.11	6.08E-03	1.92E-06	5.58E-07	6.21E-03	1.96E-06	5.70E-07	6.20E-03	1.96E-06	5.69E-07
2599	493330.5, 3860493.11	5.88E-03	1.86E-06	5.40E-07	6.00E-03	1.90E-06	5.51E-07	6.00E-03	1.89E-06	5.51E-07
2600	493380.5, 3860493.11	5.72E-03	1.81E-06	5.25E-07	5.84E-03	1.84E-06	5.36E-07	5.83E-03	1.84E-06	5.35E-07
2601	493330.5, 3860543.11	5.68E-03	1.79E-06	5.21E-07	5.80E-03	1.83E-06	5.32E-07	5.79E-03	1.83E-06	5.31E-07
2602	493380.5, 3860543.11	5.53E-03	1.74E-06	5.07E-07	5.64E-03	1.78E-06	5.18E-07	5.63E-03	1.78E-06	5.17E-07
2603	494135.94, 3860876.85	3.04E-03	9.58E-07	2.79E-07	3.10E-03	9.78E-07	2.84E-07	3.09E-03	9.77E-07	2.84E-07
2604	494185.94, 3860876.85	2.99E-03	9.44E-07	2.75E-07	3.05E-03	9.63E-07	2.80E-07	3.05E-03	9.62E-07	2.80E-07
2605	494135.94, 3860926.85	2.90E-03	9.16E-07	2.67E-07	2.96E-03	9.35E-07	2.72E-07	2.96E-03	9.34E-07	2.72E-07
2606	494185.94, 3860926.85	2.86E-03	9.04E-07	2.63E-07	2.92E-03	9.23E-07	2.68E-07	2.92E-03	9.21E-07	2.68E-07
2607	494135.94, 3860976.85	2.77E-03	8.75E-07	2.55E-07	2.83E-03	8.93E-07	2.60E-07	2.83E-03	8.92E-07	2.59E-07
2608	494185.94, 3860976.85	2.74E-03	8.65E-07	2.52E-07	2.80E-03	8.82E-07	2.57E-07	2.79E-03	8.81E-07	2.56E-07
2609	494135.94, 3861026.85	2.64E-03	8.35E-07	2.43E-07	2.70E-03	8.52E-07	2.48E-07	2.70E-03	8.51E-07	2.47E-07
2610	494185.94, 3861026.85	2.62E-03	8.26E-07	2.40E-07	2.67E-03	8.42E-07	2.45E-07	2.67E-03	8.41E-07	2.45E-07
2611	494135.94, 3861076.85	2.52E-03	7.96E-07	2.31E-07	2.57E-03	8.12E-07	2.36E-07	2.57E-03	8.11E-07	2.36E-07
2612	494185.94, 3861076.85	2.49E-03	7.87E-07	2.29E-07	2.55E-03	8.04E-07	2.34E-07	2.54E-03	8.03E-07	2.33E-07
2613	490360.04, 3858710.04	4.73E-03	1.49E-06	4.34E-07	4.83E-03	1.52E-06	4.43E-07	4.82E-03	1.52E-06	4.43E-07
2614	490410.04, 3858710.04	4.62E-03	1.46E-06	4.24E-07	4.71E-03	1.49E-06	4.33E-07	4.71E-03	1.49E-06	4.32E-07
2615	490460.04, 3858710.04	4.45E-03	1.41E-06	4.09E-07	4.55E-03	1.43E-06	4.17E-07	4.54E-03	1.43E-06	4.17E-07
2616	490510.04, 3858710.04	4.35E-03	1.37E-06	3.99E-07	4.43E-03	1.40E-06	4.07E-07	4.43E-03	1.40E-06	4.07E-07
2617	490560.04, 3858710.04	4.26E-03	1.34E-06	3.91E-07	4.34E-03	1.37E-06	3.99E-07	4.34E-03	1.37E-06	3.98E-07
2618	490610.04, 3858710.04	4.16E-03	1.31E-06	3.82E-07	4.25E-03	1.34E-06	3.90E-07	4.24E-03	1.34E-06	3.89E-07
2619	490660.04, 3858710.04	4.12E-03	1.30E-06	3.78E-07	4.20E-03	1.33E-06	3.86E-07	4.19E-03	1.32E-06	3.85E-07

2620	490710.04, 3858710.04	3.99E-03	1.26E-06	3.67E-07	4.08E-03	1.29E-06	3.74E-07	4.07E-03	1.29E-06	3.74E-07
2621	490760.04, 3858710.04	3.89E-03	1.23E-06	3.58E-07	3.97E-03	1.25E-06	3.65E-07	3.97E-03	1.25E-06	3.64E-07
2622	490810.04, 3858710.04	3.80E-03	1.20E-06	3.49E-07	3.87E-03	1.22E-06	3.56E-07	3.87E-03	1.22E-06	3.55E-07
2623	490860.04, 3858710.04	3.67E-03	1.16E-06	3.37E-07	3.75E-03	1.18E-06	3.44E-07	3.74E-03	1.18E-06	3.44E-07
2624	490360.04, 3858760.04	5.33E-03	1.68E-06	4.89E-07	5.44E-03	1.72E-06	4.99E-07	5.43E-03	1.71E-06	4.98E-07
2625	490410.04, 3858760.04	5.17E-03	1.63E-06	4.74E-07	5.27E-03	1.66E-06	4.84E-07	5.27E-03	1.66E-06	4.83E-07
2626	490460.04, 3858760.04	4.99E-03	1.58E-06	4.58E-07	5.09E-03	1.61E-06	4.68E-07	5.09E-03	1.61E-06	4.67E-07
2627	490510.04, 3858760.04	4.82E-03	1.52E-06	4.42E-07	4.91E-03	1.55E-06	4.51E-07	4.91E-03	1.55E-06	4.51E-07
2628	490560.04, 3858760.04	4.68E-03	1.48E-06	4.30E-07	4.78E-03	1.51E-06	4.39E-07	4.77E-03	1.51E-06	4.38E-07
2629	490610.04, 3858760.04	4.54E-03	1.43E-06	4.17E-07	4.63E-03	1.46E-06	4.25E-07	4.63E-03	1.46E-06	4.25E-07
2630	490660.04, 3858760.04	4.42E-03	1.39E-06	4.06E-07	4.51E-03	1.42E-06	4.14E-07	4.50E-03	1.42E-06	4.13E-07
2631	490710.04, 3858760.04	4.30E-03	1.36E-06	3.95E-07	4.39E-03	1.38E-06	4.03E-07	4.38E-03	1.38E-06	4.02E-07
2632	490760.04, 3858760.04	4.16E-03	1.31E-06	3.82E-07	4.24E-03	1.34E-06	3.90E-07	4.24E-03	1.34E-06	3.89E-07
2633	490810.04, 3858760.04	4.03E-03	1.27E-06	3.70E-07	4.11E-03	1.30E-06	3.78E-07	4.11E-03	1.30E-06	3.77E-07
2634	490860.04, 3858760.04	3.93E-03	1.24E-06	3.60E-07	4.01E-03	1.26E-06	3.68E-07	4.00E-03	1.26E-06	3.67E-07
2635	490360.04, 3858810.04	5.95E-03	1.88E-06	5.46E-07	6.07E-03	1.91E-06	5.57E-07	6.06E-03	1.91E-06	5.56E-07
2636	490410.04, 3858810.04	5.73E-03	1.81E-06	5.26E-07	5.85E-03	1.85E-06	5.37E-07	5.84E-03	1.84E-06	5.36E-07
2637	490460.04, 3858810.04	5.52E-03	1.74E-06	5.07E-07	5.63E-03	1.78E-06	5.17E-07	5.62E-03	1.78E-06	5.16E-07
2638	490510.04, 3858810.04	5.36E-03	1.69E-06	4.92E-07	5.47E-03	1.72E-06	5.02E-07	5.46E-03	1.72E-06	5.01E-07
2639	490560.04, 3858810.04	5.19E-03	1.64E-06	4.76E-07	5.29E-03	1.67E-06	4.86E-07	5.29E-03	1.67E-06	4.85E-07
2640	490610.04, 3858810.04	4.98E-03	1.57E-06	4.57E-07	5.08E-03	1.60E-06	4.66E-07	5.07E-03	1.60E-06	4.66E-07
2641	490660.04, 3858810.04	4.81E-03	1.52E-06	4.42E-07	4.91E-03	1.55E-06	4.51E-07	4.90E-03	1.55E-06	4.50E-07
2642	490710.04, 3858810.04	4.64E-03	1.46E-06	4.26E-07	4.73E-03	1.49E-06	4.35E-07	4.73E-03	1.49E-06	4.34E-07
2643	490760.04, 3858810.04	4.43E-03	1.40E-06	4.07E-07	4.52E-03	1.43E-06	4.15E-07	4.52E-03	1.43E-06	4.15E-07
2644	490810.04, 3858810.04	4.34E-03	1.37E-06	3.99E-07	4.43E-03	1.40E-06	4.07E-07	4.43E-03	1.40E-06	4.06E-07
2645	490860.04, 3858810.04	4.19E-03	1.32E-06	3.84E-07	4.27E-03	1.35E-06	3.92E-07	4.27E-03	1.35E-06	3.92E-07
2646	490360.04, 3858860.04	6.56E-03	2.07E-06	6.03E-07	6.70E-03	2.11E-06	6.15E-07	6.69E-03	2.11E-06	6.14E-07
2647	490410.04, 3858860.04	6.39E-03	2.02E-06	5.86E-07	6.52E-03	2.06E-06	5.98E-07	6.51E-03	2.05E-06	5.98E-07
2648	490460.04, 3858860.04	6.10E-03	1.92E-06	5.60E-07	6.22E-03	1.96E-06	5.71E-07	6.22E-03	1.96E-06	5.71E-07
2649	490510.04, 3858860.04	5.95E-03	1.88E-06	5.46E-07	6.07E-03	1.92E-06	5.57E-07	6.06E-03	1.91E-06	5.56E-07
2650	490560.04, 3858860.04	5.70E-03	1.80E-06	5.24E-07	5.82E-03	1.84E-06	5.34E-07	5.81E-03	1.84E-06	5.34E-07
2651	490610.04, 3858860.04	5.41E-03	1.71E-06	4.96E-07	5.52E-03	1.74E-06	5.06E-07	5.51E-03	1.74E-06	5.06E-07
2652	490660.04, 3858860.04	5.21E-03	1.65E-06	4.79E-07	5.32E-03	1.68E-06	4.88E-07	5.31E-03	1.68E-06	4.88E-07
2653	490710.04, 3858860.04	5.07E-03	1.60E-06	4.65E-07	5.17E-03	1.63E-06	4.75E-07	5.17E-03	1.63E-06	4.74E-07
2654	490760.04, 3858860.04	4.83E-03	1.53E-06	4.44E-07	4.93E-03	1.56E-06	4.53E-07	4.93E-03	1.55E-06	4.52E-07
2655	490810.04, 3858860.04	4.63E-03	1.46E-06	4.25E-07	4.72E-03	1.49E-06	4.33E-07	4.71E-03	1.49E-06	4.33E-07
2656	490860.04, 3858860.04	4.42E-03	1.40E-06	4.06E-07	4.52E-03	1.43E-06	4.14E-07	4.51E-03	1.42E-06	4.14E-07
2657	490360.04, 3858910.04	7.42E-03	2.34E-06	6.81E-07	7.57E-03	2.39E-06	6.95E-07	7.56E-03	2.39E-06	6.94E-07
2658	490410.04, 3858910.04	7.12E-03	2.25E-06	6.54E-07	7.27E-03	2.29E-06	6.67E-07	7.26E-03	2.29E-06	6.67E-07
2659	490460.04, 3858910.04	6.82E-03	2.15E-06	6.26E-07	6.96E-03	2.20E-06	6.39E-07	6.95E-03	2.19E-06	6.38E-07
2660	490510.04, 3858910.04	6.51E-03	2.05E-06	5.97E-07	6.64E-03	2.10E-06	6.10E-07	6.63E-03	2.09E-06	6.09E-07
2661	490560.04, 3858910.04	6.19E-03	1.95E-06	5.69E-07	6.32E-03	1.99E-06	5.80E-07	6.31E-03	1.99E-06	5.79E-07
2662	490610.04, 3858910.04	5.89E-03	1.86E-06	5.41E-07	6.01E-03	1.90E-06	5.52E-07	6.00E-03	1.89E-06	5.51E-07
2663	490660.04, 3858910.04	5.65E-03	1.78E-06	5.19E-07	5.77E-03	1.82E-06	5.30E-07	5.76E-03	1.82E-06	5.29E-07
2664	490710.04, 3858910.04	5.40E-03	1.70E-06	4.96E-07	5.51E-03	1.74E-06	5.06E-07	5.50E-03	1.74E-06	5.05E-07
2665	490760.04, 3858910.04	5.12E-03	1.61E-06	4.70E-07	5.22E-03	1.65E-06	4.79E-07	5.21E-03	1.65E-06	4.79E-07
2666	490810.04, 3858910.04	4.92E-03	1.55E-06	4.52E-07	5.02E-03	1.59E-06	4.61E-07	5.02E-03	1.58E-06	4.61E-07
2667	490860.04, 3858910.04	4.67E-03	1.48E-06	4.29E-07	4.77E-03	1.51E-06	4.38E-07	4.76E-03	1.50E-06	4.37E-07
2668	490360.04, 3858960.04	8.23E-03	2.60E-06	7.55E-07	8.40E-03	2.65E-06	7.71E-07	8.39E-03	2.65E-06	7.70E-07
2669	490410.04, 3858960.04	7.82E-03	2.47E-06	7.18E-07	7.98E-03	2.52E-06	7.33E-07	7.97E-03	2.52E-06	7.32E-07
2670	490460.04, 3858960.04	7.41E-03	2.34E-06	6.80E-07	7.56E-03	2.39E-06	6.94E-07	7.55E-03	2.38E-06	6.93E-07
2671	490510.04, 3858960.04	7.05E-03	2.23E-06	6.48E-07	7.20E-03	2.27E-06	6.61E-07	7.19E-03	2.27E-06	6.60E-07
2672	490560.04, 3858960.04	6.72E-03	2.12E-06	6.17E-07	6.86E-03	2.16E-06	6.29E-07	6.85E-03	2.16E-06	6.29E-07
2673	490610.04, 3858960.04	6.32E-03	2.00E-06	5.81E-07	6.45E-03	2.04E-06	5.92E-07	6.45E-03	2.03E-06	5.92E-07
2674	490660.04, 3858960.04	6.12E-03	1.93E-06	5.62E-07	6.25E-03	1.97E-06	5.74E-07	6.24E-03	1.97E-06	5.73E-07
2675	490710.04, 3858960.04	5.78E-03	1.82E-06	5.30E-07	5.89E-03	1.86E-06	5.41E-07	5.89E-03	1.86E-06	5.40E-07
2676	490760.04, 3858960.04	5.49E-03	1.73E-06	5.04E-07	5.60E-03	1.77E-06	5.14E-07	5.59E-03	1.77E-06	5.14E-07
2677	490810.04, 3858960.04	5.22E-03	1.65E-06	4.79E-07	5.32E-03	1.68E-06	4.89E-07	5.32E-03	1.68E-06	4.88E-07
2678	490860.04, 3858960.04	4.93E-03	1.55E-06	4.52E-07	5.03E-03	1.59E-06	4.62E-07	5.02E-03	1.58E-06	4.61E-07
2679	490360.04, 3859010.04	9.10E-03	2.87E-06	8.36E-07	9.29E-03	2.93E-06	8.53E-07	9.28E-03	2.93E-06	8.52E-07
2680	490410.04, 3859010.04	8.58E-03	2.71E-06	7.88E-07	8.75E-03	2.76E-06	8.04E-07	8.74E-03	2.76E-06	8.03E-07

2681	490460.04, 3859010.04	8.01E-03	2.53E-06	7.35E-07	8.17E-03	2.58E-06	7.50E-07	8.16E-03	2.58E-06	7.49E-07
2682	490510.04, 3859010.04	7.50E-03	2.37E-06	6.88E-07	7.65E-03	2.41E-06	7.02E-07	7.64E-03	2.41E-06	7.01E-07
2683	490560.04, 3859010.04	7.20E-03	2.27E-06	6.61E-07	7.35E-03	2.32E-06	6.74E-07	7.34E-03	2.32E-06	6.74E-07
2684	490610.04, 3859010.04	6.76E-03	2.13E-06	6.21E-07	6.90E-03	2.18E-06	6.33E-07	6.89E-03	2.17E-06	6.33E-07
2685	490660.04, 3859010.04	6.54E-03	2.07E-06	6.01E-07	6.68E-03	2.11E-06	6.13E-07	6.67E-03	2.11E-06	6.12E-07
2686	490710.04, 3859010.04	6.14E-03	1.94E-06	5.64E-07	6.27E-03	1.98E-06	5.75E-07	6.26E-03	1.98E-06	5.75E-07
2687	490760.04, 3859010.04	5.80E-03	1.83E-06	5.33E-07	5.92E-03	1.87E-06	5.44E-07	5.91E-03	1.87E-06	5.43E-07
2688	490810.04, 3859010.04	5.49E-03	1.73E-06	5.04E-07	5.60E-03	1.77E-06	5.14E-07	5.59E-03	1.76E-06	5.13E-07
2689	490860.04, 3859010.04	5.22E-03	1.65E-06	4.79E-07	5.32E-03	1.68E-06	4.89E-07	5.32E-03	1.68E-06	4.88E-07
2690	490360.04, 3859060.04	1.00E-02	3.16E-06	9.18E-07	1.02E-02	3.22E-06	9.36E-07	1.02E-02	3.22E-06	9.35E-07
2691	490410.04, 3859060.04	9.23E-03	2.91E-06	8.47E-07	9.41E-03	2.97E-06	8.64E-07	9.40E-03	2.97E-06	8.63E-07
2692	490460.04, 3859060.04	8.63E-03	2.72E-06	7.92E-07	8.80E-03	2.78E-06	8.08E-07	8.79E-03	2.77E-06	8.07E-07
2693	490510.04, 3859060.04	8.12E-03	2.56E-06	7.46E-07	8.29E-03	2.62E-06	7.61E-07	8.28E-03	2.61E-06	7.60E-07
2694	490560.04, 3859060.04	7.59E-03	2.39E-06	6.96E-07	7.74E-03	2.44E-06	7.11E-07	7.73E-03	2.44E-06	7.10E-07
2695	490610.04, 3859060.04	7.23E-03	2.28E-06	6.64E-07	7.38E-03	2.33E-06	6.77E-07	7.37E-03	2.33E-06	6.76E-07
2696	490660.04, 3859060.04	6.91E-03	2.18E-06	6.34E-07	7.05E-03	2.23E-06	6.47E-07	7.04E-03	2.22E-06	6.47E-07
2697	490710.04, 3859060.04	6.46E-03	2.04E-06	5.93E-07	6.60E-03	2.08E-06	6.06E-07	6.59E-03	2.08E-06	6.05E-07
2698	490760.04, 3859060.04	6.09E-03	1.92E-06	5.59E-07	6.22E-03	1.96E-06	5.71E-07	6.21E-03	1.96E-06	5.70E-07
2699	490810.04, 3859060.04	5.74E-03	1.81E-06	5.27E-07	5.86E-03	1.85E-06	5.38E-07	5.85E-03	1.85E-06	5.37E-07
2700	490860.04, 3859060.04	5.45E-03	1.72E-06	5.00E-07	5.56E-03	1.76E-06	5.11E-07	5.55E-03	1.75E-06	5.10E-07
2701	490360.04, 3859110.04	1.11E-02	3.50E-06	1.02E-06	1.13E-02	3.57E-06	1.04E-06	1.13E-02	3.57E-06	1.04E-06
2702	490410.04, 3859110.04	1.02E-02	3.21E-06	9.35E-07	1.04E-02	3.28E-06	9.54E-07	1.04E-02	3.27E-06	9.53E-07
2703	490460.04, 3859110.04	9.55E-03	3.01E-06	8.77E-07	9.74E-03	3.08E-06	8.95E-07	9.73E-03	3.07E-06	8.94E-07
2704	490510.04, 3859110.04	8.66E-03	2.73E-06	7.95E-07	8.84E-03	2.79E-06	8.12E-07	8.83E-03	2.79E-06	8.11E-07
2705	490560.04, 3859110.04	8.12E-03	2.56E-06	7.45E-07	8.29E-03	2.61E-06	7.61E-07	8.28E-03	2.61E-06	7.60E-07
2706	490610.04, 3859110.04	7.58E-03	2.39E-06	6.96E-07	7.74E-03	2.44E-06	7.11E-07	7.73E-03	2.44E-06	7.10E-07
2707	490660.04, 3859110.04	7.06E-03	2.23E-06	6.48E-07	7.20E-03	2.27E-06	6.61E-07	7.19E-03	2.27E-06	6.60E-07
2708	490710.04, 3859110.04	6.73E-03	2.12E-06	6.18E-07	6.87E-03	2.17E-06	6.30E-07	6.86E-03	2.16E-06	6.30E-07
2709	490760.04, 3859110.04	6.36E-03	2.01E-06	5.84E-07	6.49E-03	2.05E-06	5.96E-07	6.48E-03	2.05E-06	5.95E-07
2710	490810.04, 3859110.04	5.97E-03	1.88E-06	5.48E-07	6.09E-03	1.92E-06	5.59E-07	6.08E-03	1.92E-06	5.58E-07
2711	490860.04, 3859110.04	5.62E-03	1.77E-06	5.16E-07	5.73E-03	1.81E-06	5.26E-07	5.73E-03	1.81E-06	5.26E-07
2712	490360.04, 3859160.04	1.24E-02	3.91E-06	1.14E-06	1.26E-02	3.99E-06	1.16E-06	1.26E-02	3.99E-06	1.16E-06
2713	490410.04, 3859160.04	1.14E-02	3.58E-06	1.04E-06	1.16E-02	3.66E-06	1.06E-06	1.16E-02	3.65E-06	1.06E-06
2714	490460.04, 3859160.04	1.05E-02	3.31E-06	9.62E-07	1.07E-02	3.37E-06	9.81E-07	1.07E-02	3.37E-06	9.80E-07
2715	490510.04, 3859160.04	9.66E-03	3.05E-06	8.87E-07	9.86E-03	3.11E-06	9.05E-07	9.85E-03	3.11E-06	9.04E-07
2716	490560.04, 3859160.04	8.82E-03	2.78E-06	8.10E-07	9.00E-03	2.84E-06	8.26E-07	8.99E-03	2.84E-06	8.25E-07
2717	490610.04, 3859160.04	8.27E-03	2.61E-06	7.59E-07	8.44E-03	2.66E-06	7.75E-07	8.43E-03	2.66E-06	7.74E-07
2718	490660.04, 3859160.04	7.41E-03	2.34E-06	6.80E-07	7.56E-03	2.39E-06	6.94E-07	7.55E-03	2.38E-06	6.93E-07
2719	490710.04, 3859160.04	7.03E-03	2.22E-06	6.45E-07	7.17E-03	2.26E-06	6.59E-07	7.17E-03	2.26E-06	6.58E-07
2720	490760.04, 3859160.04	6.50E-03	2.05E-06	5.96E-07	6.63E-03	2.09E-06	6.09E-07	6.62E-03	2.09E-06	6.08E-07
2721	490810.04, 3859160.04	6.19E-03	1.95E-06	5.68E-07	6.31E-03	1.99E-06	5.79E-07	6.30E-03	1.99E-06	5.79E-07
2722	490860.04, 3859160.04	5.88E-03	1.85E-06	5.40E-07	6.00E-03	1.89E-06	5.51E-07	5.99E-03	1.89E-06	5.50E-07
2723	490360.04, 3859210.04	1.39E-02	4.37E-06	1.27E-06	1.41E-02	4.46E-06	1.30E-06	1.41E-02	4.46E-06	1.30E-06
2724	490410.04, 3859210.04	1.30E-02	4.10E-06	1.19E-06	1.32E-02	4.18E-06	1.22E-06	1.32E-02	4.18E-06	1.21E-06
2725	490460.04, 3859210.04	1.15E-02	3.64E-06	1.06E-06	1.18E-02	3.71E-06	1.08E-06	1.18E-02	3.71E-06	1.08E-06
2726	490510.04, 3859210.04	1.05E-02	3.33E-06	9.68E-07	1.08E-02	3.40E-06	9.88E-07	1.07E-02	3.39E-06	9.87E-07
2727	490560.04, 3859210.04	9.86E-03	3.11E-06	9.05E-07	1.01E-02	3.17E-06	9.23E-07	1.00E-02	3.17E-06	9.22E-07
2728	490610.04, 3859210.04	9.07E-03	2.86E-06	8.33E-07	9.26E-03	2.92E-06	8.50E-07	9.25E-03	2.92E-06	8.49E-07
2729	490660.04, 3859210.04	8.14E-03	2.57E-06	7.47E-07	8.30E-03	2.62E-06	7.62E-07	8.29E-03	2.62E-06	7.61E-07
2730	490710.04, 3859210.04	7.57E-03	2.39E-06	6.95E-07	7.72E-03	2.44E-06	7.09E-07	7.72E-03	2.44E-06	7.08E-07
2731	490760.04, 3859210.04	7.01E-03	2.21E-06	6.44E-07	7.16E-03	2.26E-06	6.57E-07	7.15E-03	2.26E-06	6.56E-07
2732	490810.04, 3859210.04	6.81E-03	2.15E-06	6.25E-07	6.95E-03	2.19E-06	6.38E-07	6.94E-03	2.19E-06	6.37E-07
2733	490860.04, 3859210.04	6.60E-03	2.08E-06	6.06E-07	6.74E-03	2.13E-06	6.18E-07	6.73E-03	2.12E-06	6.18E-07
2734	490360.04, 3859260.04	1.54E-02	4.85E-06	1.41E-06	1.57E-02	4.94E-06	1.44E-06	1.56E-02	4.94E-06	1.44E-06
2735	490410.04, 3859260.04	1.42E-02	4.48E-06	1.30E-06	1.45E-02	4.57E-06	1.33E-06	1.45E-02	4.57E-06	1.33E-06
2736	490460.04, 3859260.04	1.33E-02	4.19E-06	1.22E-06	1.35E-02	4.27E-06	1.24E-06	1.35E-02	4.27E-06	1.24E-06
2737	490510.04, 3859260.04	1.24E-02	3.90E-06	1.13E-06	1.26E-02	3.98E-06	1.16E-06	1.26E-02	3.97E-06	1.16E-06
2738	490560.04, 3859260.04	1.13E-02	3.57E-06	1.04E-06	1.16E-02	3.65E-06	1.06E-06	1.15E-02	3.64E-06	1.06E-06
2739	490610.04, 3859260.04	1.01E-02	3.19E-06	9.29E-07	1.03E-02	3.26E-06	9.48E-07	1.03E-02	3.26E-06	9.47E-07
2740	490660.04, 3859260.04	9.70E-03	3.06E-06	8.91E-07	9.90E-03	3.13E-06	9.09E-07	9.89E-03	3.12E-06	9.08E-07
2741	490710.04, 3859260.04	9.01E-03	2.85E-06	8.28E-07	9.20E-03	2.90E-06	8.44E-07	9.19E-03	2.90E-06	8.43E-07

2742	490760.04, 3859260.04	8.22E-03	2.60E-06	7.55E-07	8.39E-03	2.65E-06	7.70E-07	8.38E-03	2.65E-06	7.69E-07
2743	490810.04, 3859260.04	7.89E-03	2.49E-06	7.24E-07	8.05E-03	2.54E-06	7.39E-07	8.04E-03	2.54E-06	7.38E-07
2744	490860.04, 3859260.04	7.57E-03	2.39E-06	6.95E-07	7.72E-03	2.44E-06	7.09E-07	7.71E-03	2.43E-06	7.08E-07
2745	490360.04, 3859310.04	1.76E-02	5.56E-06	1.62E-06	1.80E-02	5.67E-06	1.65E-06	1.80E-02	5.67E-06	1.65E-06
2746	490410.04, 3859310.04	1.62E-02	5.11E-06	1.49E-06	1.65E-02	5.22E-06	1.52E-06	1.65E-02	5.21E-06	1.52E-06
2747	490460.04, 3859310.04	1.50E-02	4.74E-06	1.38E-06	1.53E-02	4.83E-06	1.41E-06	1.53E-02	4.83E-06	1.40E-06
2748	490510.04, 3859310.04	1.41E-02	4.44E-06	1.29E-06	1.44E-02	4.54E-06	1.32E-06	1.44E-02	4.53E-06	1.32E-06
2749	490560.04, 3859310.04	1.32E-02	4.15E-06	1.21E-06	1.34E-02	4.24E-06	1.23E-06	1.34E-02	4.23E-06	1.23E-06
2750	490610.04, 3859310.04	1.24E-02	3.91E-06	1.14E-06	1.26E-02	3.99E-06	1.16E-06	1.26E-02	3.99E-06	1.16E-06
2751	490660.04, 3859310.04	1.15E-02	3.64E-06	1.06E-06	1.18E-02	3.71E-06	1.08E-06	1.18E-02	3.71E-06	1.08E-06
2752	490710.04, 3859310.04	1.03E-02	3.25E-06	9.47E-07	1.05E-02	3.32E-06	9.66E-07	1.05E-02	3.32E-06	9.65E-07
2753	490760.04, 3859310.04	9.60E-03	3.03E-06	8.81E-07	9.80E-03	3.09E-06	8.99E-07	9.79E-03	3.09E-06	8.98E-07
2754	490810.04, 3859310.04	9.14E-03	2.89E-06	8.40E-07	9.33E-03	2.95E-06	8.57E-07	9.32E-03	2.94E-06	8.56E-07
2755	490860.04, 3859310.04	8.59E-03	2.71E-06	7.88E-07	8.76E-03	2.77E-06	8.04E-07	8.75E-03	2.76E-06	8.03E-07
2756	490360.04, 3859360.04	2.04E-02	6.45E-06	1.88E-06	2.09E-02	6.59E-06	1.92E-06	2.08E-02	6.58E-06	1.91E-06
2757	490410.04, 3859360.04	1.90E-02	5.99E-06	1.74E-06	1.94E-02	6.11E-06	1.78E-06	1.94E-02	6.11E-06	1.78E-06
2758	490460.04, 3859360.04	1.77E-02	5.60E-06	1.63E-06	1.81E-02	5.71E-06	1.66E-06	1.81E-02	5.70E-06	1.66E-06
2759	490510.04, 3859360.04	1.66E-02	5.23E-06	1.52E-06	1.69E-02	5.33E-06	1.55E-06	1.69E-02	5.33E-06	1.55E-06
2760	490560.04, 3859360.04	1.52E-02	4.81E-06	1.40E-06	1.55E-02	4.91E-06	1.43E-06	1.55E-02	4.90E-06	1.43E-06
2761	490610.04, 3859360.04	1.41E-02	4.44E-06	1.29E-06	1.44E-02	4.53E-06	1.32E-06	1.43E-02	4.52E-06	1.32E-06
2762	490660.04, 3859360.04	1.31E-02	4.14E-06	1.21E-06	1.34E-02	4.23E-06	1.23E-06	1.34E-02	4.22E-06	1.23E-06
2763	490710.04, 3859360.04	1.20E-02	3.80E-06	1.10E-06	1.23E-02	3.88E-06	1.13E-06	1.23E-02	3.87E-06	1.13E-06
2764	490760.04, 3859360.04	1.10E-02	3.48E-06	1.01E-06	1.12E-02	3.55E-06	1.03E-06	1.12E-02	3.54E-06	1.03E-06
2765	490810.04, 3859360.04	1.06E-02	3.34E-06	9.73E-07	1.08E-02	3.41E-06	9.93E-07	1.08E-02	3.41E-06	9.91E-07
2766	490860.04, 3859360.04	9.97E-03	3.15E-06	9.16E-07	1.02E-02	3.21E-06	9.34E-07	1.02E-02	3.21E-06	9.33E-07
2767	490360.04, 3859410.04	2.40E-02	7.58E-06	2.21E-06	2.45E-02	7.74E-06	2.25E-06	2.45E-02	7.73E-06	2.25E-06
2768	490410.04, 3859410.04	2.23E-02	7.04E-06	2.05E-06	2.28E-02	7.18E-06	2.09E-06	2.27E-02	7.17E-06	2.09E-06
2769	490460.04, 3859410.04	2.07E-02	6.54E-06	1.90E-06	2.12E-02	6.68E-06	1.94E-06	2.11E-02	6.67E-06	1.94E-06
2770	490510.04, 3859410.04	1.93E-02	6.08E-06	1.77E-06	1.97E-02	6.21E-06	1.81E-06	1.96E-02	6.20E-06	1.80E-06
2771	490560.04, 3859410.04	1.80E-02	5.67E-06	1.65E-06	1.83E-02	5.78E-06	1.68E-06	1.83E-02	5.78E-06	1.68E-06
2772	490610.04, 3859410.04	1.67E-02	5.28E-06	1.53E-06	1.71E-02	5.38E-06	1.57E-06	1.70E-02	5.38E-06	1.56E-06
2773	490660.04, 3859410.04	1.52E-02	4.79E-06	1.39E-06	1.55E-02	4.89E-06	1.42E-06	1.55E-02	4.89E-06	1.42E-06
2774	490710.04, 3859410.04	1.40E-02	4.41E-06	1.28E-06	1.43E-02	4.50E-06	1.31E-06	1.42E-02	4.49E-06	1.31E-06
2775	490760.04, 3859410.04	1.27E-02	4.01E-06	1.17E-06	1.30E-02	4.09E-06	1.19E-06	1.29E-02	4.08E-06	1.19E-06
2776	490810.04, 3859410.04	1.22E-02	3.84E-06	1.12E-06	1.24E-02	3.91E-06	1.14E-06	1.24E-02	3.91E-06	1.14E-06
2777	490860.04, 3859410.04	1.18E-02	3.71E-06	1.08E-06	1.20E-02	3.78E-06	1.10E-06	1.20E-02	3.78E-06	1.10E-06
2778	490360.04, 3859460.04	2.88E-02	9.09E-06	2.64E-06	2.94E-02	9.28E-06	2.70E-06	2.94E-02	9.27E-06	2.70E-06
2779	490410.04, 3859460.04	2.63E-02	8.29E-06	2.41E-06	2.68E-02	8.45E-06	2.46E-06	2.68E-02	8.44E-06	2.46E-06
2780	490460.04, 3859460.04	2.43E-02	7.67E-06	2.23E-06	2.48E-02	7.83E-06	2.28E-06	2.48E-02	7.82E-06	2.27E-06
2781	490510.04, 3859460.04	2.25E-02	7.12E-06	2.07E-06	2.30E-02	7.26E-06	2.11E-06	2.30E-02	7.25E-06	2.11E-06
2782	490560.04, 3859460.04	2.10E-02	6.63E-06	1.93E-06	2.14E-02	6.76E-06	1.97E-06	2.14E-02	6.75E-06	1.96E-06
2783	490610.04, 3859460.04	1.94E-02	6.12E-06	1.78E-06	1.98E-02	6.25E-06	1.82E-06	1.98E-02	6.24E-06	1.82E-06
2784	490660.04, 3859460.04	1.79E-02	5.64E-06	1.64E-06	1.82E-02	5.75E-06	1.67E-06	1.82E-02	5.75E-06	1.67E-06
2785	490710.04, 3859460.04	1.66E-02	5.25E-06	1.53E-06	1.70E-02	5.35E-06	1.56E-06	1.69E-02	5.35E-06	1.56E-06
2786	490760.04, 3859460.04	1.54E-02	4.86E-06	1.41E-06	1.57E-02	4.96E-06	1.44E-06	1.57E-02	4.95E-06	1.44E-06
2787	490810.04, 3859460.04	1.43E-02	4.51E-06	1.31E-06	1.46E-02	4.61E-06	1.34E-06	1.46E-02	4.60E-06	1.34E-06
2788	490860.04, 3859460.04	1.37E-02	4.31E-06	1.25E-06	1.39E-02	4.40E-06	1.28E-06	1.39E-02	4.40E-06	1.28E-06
2789	490360.04, 3859510.04	3.59E-02	1.13E-05	3.29E-06	3.66E-02	1.16E-05	3.36E-06	3.66E-02	1.15E-05	3.36E-06
2790	490410.04, 3859510.04	3.24E-02	1.02E-05	2.98E-06	3.31E-02	1.04E-05	3.04E-06	3.30E-02	1.04E-05	3.03E-06
2791	490460.04, 3859510.04	2.94E-02	9.27E-06	2.70E-06	3.00E-02	9.46E-06	2.75E-06	2.99E-02	9.44E-06	2.75E-06
2792	490510.04, 3859510.04	2.70E-02	8.52E-06	2.48E-06	2.75E-02	8.69E-06	2.53E-06	2.75E-02	8.68E-06	2.52E-06
2793	490560.04, 3859510.04	2.49E-02	7.87E-06	2.29E-06	2.54E-02	8.03E-06	2.33E-06	2.54E-02	8.02E-06	2.33E-06
2794	490610.04, 3859510.04	2.30E-02	7.25E-06	2.11E-06	2.34E-02	7.39E-06	2.15E-06	2.34E-02	7.38E-06	2.15E-06
2795	490660.04, 3859510.04	2.12E-02	6.68E-06	1.94E-06	2.16E-02	6.82E-06	1.98E-06	2.16E-02	6.81E-06	1.98E-06
2796	490710.04, 3859510.04	1.95E-02	6.16E-06	1.79E-06	1.99E-02	6.29E-06	1.83E-06	1.99E-02	6.28E-06	1.83E-06
2797	490760.04, 3859510.04	1.81E-02	5.70E-06	1.66E-06	1.84E-02	5.82E-06	1.69E-06	1.84E-02	5.81E-06	1.69E-06
2798	490810.04, 3859510.04	1.69E-02	5.35E-06	1.56E-06	1.73E-02	5.46E-06	1.59E-06	1.73E-02	5.45E-06	1.59E-06
2799	490860.04, 3859510.04	1.58E-02	4.99E-06	1.45E-06	1.61E-02	5.09E-06	1.48E-06	1.61E-02	5.09E-06	1.48E-06
2800	490360.04, 3859560.04	4.66E-02	1.47E-05	4.28E-06	4.76E-02	1.50E-05	4.37E-06	4.75E-02	1.50E-05	4.36E-06
2801	490410.04, 3859560.04	4.16E-02	1.31E-05	3.82E-06	4.24E-02	1.34E-05	3.90E-06	4.24E-02	1.34E-05	3.89E-06
2802	490460.04, 3859560.04	3.75E-02	1.18E-05	3.44E-06	3.82E-02	1.21E-05	3.51E-06	3.82E-02	1.21E-05	3.51E-06

2803	490510.04, 3859560.04	3.33E-02	1.05E-05	3.06E-06	3.40E-02	1.07E-05	3.12E-06	3.39E-02	1.07E-05	3.12E-06
2804	490560.04, 3859560.04	3.05E-02	9.63E-06	2.80E-06	3.11E-02	9.82E-06	2.86E-06	3.11E-02	9.81E-06	2.85E-06
2805	490610.04, 3859560.04	2.78E-02	8.78E-06	2.55E-06	2.84E-02	8.95E-06	2.60E-06	2.83E-02	8.94E-06	2.60E-06
2806	490660.04, 3859560.04	2.55E-02	8.06E-06	2.34E-06	2.60E-02	8.22E-06	2.39E-06	2.60E-02	8.21E-06	2.39E-06
2807	490710.04, 3859560.04	2.34E-02	7.38E-06	2.15E-06	2.39E-02	7.53E-06	2.19E-06	2.38E-02	7.53E-06	2.19E-06
2808	490760.04, 3859560.04	2.13E-02	6.71E-06	1.95E-06	2.17E-02	6.85E-06	1.99E-06	2.17E-02	6.84E-06	1.99E-06
2809	490810.04, 3859560.04	1.96E-02	6.20E-06	1.80E-06	2.00E-02	6.33E-06	1.84E-06	2.00E-02	6.32E-06	1.84E-06
2810	490860.04, 3859560.04	1.82E-02	5.73E-06	1.67E-06	1.85E-02	5.85E-06	1.70E-06	1.85E-02	5.84E-06	1.70E-06
2811	490187.25, 3859422.08	3.44E-02	1.09E-05	3.16E-06	3.51E-02	1.11E-05	3.22E-06	3.51E-02	1.11E-05	3.22E-06
2812	490237.25, 3859422.08	3.13E-02	9.87E-06	2.87E-06	3.19E-02	1.01E-05	2.93E-06	3.19E-02	1.01E-05	2.93E-06
2813	490287.25, 3859422.08	2.85E-02	8.99E-06	2.62E-06	2.91E-02	9.18E-06	2.67E-06	2.90E-02	9.17E-06	2.67E-06
2814	490337.25, 3859422.08	2.59E-02	8.18E-06	2.38E-06	2.64E-02	8.34E-06	2.43E-06	2.64E-02	8.33E-06	2.42E-06
2815	490187.25, 3859472.08	4.25E-02	1.34E-05	3.90E-06	4.34E-02	1.37E-05	3.98E-06	4.33E-02	1.37E-05	3.98E-06
2816	490237.25, 3859472.08	3.83E-02	1.21E-05	3.52E-06	3.91E-02	1.23E-05	3.59E-06	3.91E-02	1.23E-05	3.59E-06
2817	490287.25, 3859472.08	3.46E-02	1.09E-05	3.18E-06	3.53E-02	1.11E-05	3.24E-06	3.53E-02	1.11E-05	3.24E-06
2818	490337.25, 3859472.08	3.15E-02	9.95E-06	2.89E-06	3.22E-02	1.02E-05	2.95E-06	3.21E-02	1.01E-05	2.95E-06
2819	490297.07, 3859500.42	3.86E-02	1.22E-05	3.54E-06	3.94E-02	1.24E-05	3.62E-06	3.94E-02	1.24E-05	3.61E-06
2820	490327.07, 3859500.42	3.66E-02	1.15E-05	3.36E-06	3.73E-02	1.18E-05	3.43E-06	3.73E-02	1.18E-05	3.42E-06
2821	490297.07, 3859530.42	4.53E-02	1.43E-05	4.16E-06	4.62E-02	1.46E-05	4.24E-06	4.61E-02	1.46E-05	4.24E-06
2822	490327.07, 3859530.42	4.25E-02	1.34E-05	3.90E-06	4.34E-02	1.37E-05	3.98E-06	4.33E-02	1.37E-05	3.98E-06
2823	490319.73, 3859055.34	1.05E-02	3.33E-06	9.68E-07	1.08E-02	3.40E-06	9.88E-07	1.07E-02	3.39E-06	9.87E-07
2824	490319.73, 3859105.34	1.17E-02	3.69E-06	1.07E-06	1.19E-02	3.76E-06	1.09E-06	1.19E-02	3.76E-06	1.09E-06
2825	490069.73, 3859155.34	1.76E-02	5.56E-06	1.62E-06	1.80E-02	5.67E-06	1.65E-06	1.79E-02	5.66E-06	1.65E-06
2826	490119.73, 3859155.34	1.66E-02	5.23E-06	1.52E-06	1.69E-02	5.34E-06	1.55E-06	1.69E-02	5.33E-06	1.55E-06
2827	490269.73, 3859155.34	1.41E-02	4.44E-06	1.29E-06	1.44E-02	4.53E-06	1.32E-06	1.43E-02	4.53E-06	1.32E-06
2828	490319.73, 3859155.34	1.31E-02	4.13E-06	1.20E-06	1.34E-02	4.22E-06	1.23E-06	1.33E-02	4.21E-06	1.23E-06
2829	490069.73, 3859205.34	2.04E-02	6.45E-06	1.88E-06	2.09E-02	6.59E-06	1.92E-06	2.08E-02	6.58E-06	1.91E-06
2830	490119.73, 3859205.34	1.93E-02	6.10E-06	1.77E-06	1.97E-02	6.22E-06	1.81E-06	1.97E-02	6.21E-06	1.81E-06
2831	490169.73, 3859205.34	1.81E-02	5.72E-06	1.66E-06	1.85E-02	5.84E-06	1.70E-06	1.85E-02	5.83E-06	1.70E-06
2832	490219.73, 3859205.34	1.68E-02	5.32E-06	1.55E-06	1.72E-02	5.42E-06	1.58E-06	1.72E-02	5.42E-06	1.58E-06
2833	490269.73, 3859205.34	1.56E-02	4.91E-06	1.43E-06	1.59E-02	5.01E-06	1.46E-06	1.59E-02	5.00E-06	1.46E-06
2834	490319.73, 3859205.34	1.46E-02	4.60E-06	1.34E-06	1.49E-02	4.70E-06	1.37E-06	1.49E-02	4.69E-06	1.36E-06
2835	490069.73, 3859255.34	2.37E-02	7.48E-06	2.18E-06	2.42E-02	7.63E-06	2.22E-06	2.41E-02	7.62E-06	2.22E-06
2836	490119.73, 3859255.34	2.22E-02	7.00E-06	2.04E-06	2.26E-02	7.14E-06	2.08E-06	2.26E-02	7.13E-06	2.07E-06
2837	490169.73, 3859255.34	2.07E-02	6.53E-06	1.90E-06	2.11E-02	6.67E-06	1.94E-06	2.11E-02	6.66E-06	1.94E-06
2838	490219.73, 3859255.34	1.91E-02	6.03E-06	1.76E-06	1.95E-02	6.16E-06	1.79E-06	1.95E-02	6.15E-06	1.79E-06
2839	490269.73, 3859255.34	1.77E-02	5.58E-06	1.62E-06	1.80E-02	5.70E-06	1.66E-06	1.80E-02	5.69E-06	1.65E-06
2840	490319.73, 3859255.34	1.65E-02	5.20E-06	1.51E-06	1.68E-02	5.31E-06	1.54E-06	1.68E-02	5.30E-06	1.54E-06
2841	490069.73, 3859305.34	2.77E-02	8.75E-06	2.55E-06	2.83E-02	8.93E-06	2.60E-06	2.83E-02	8.92E-06	2.59E-06
2842	490119.73, 3859305.34	2.58E-02	8.14E-06	2.37E-06	2.63E-02	8.30E-06	2.41E-06	2.63E-02	8.29E-06	2.41E-06
2843	490169.73, 3859305.34	2.39E-02	7.54E-06	2.19E-06	2.44E-02	7.69E-06	2.24E-06	2.44E-02	7.69E-06	2.24E-06
2844	490219.73, 3859305.34	2.20E-02	6.95E-06	2.02E-06	2.25E-02	7.09E-06	2.06E-06	2.24E-02	7.08E-06	2.06E-06
2845	490269.73, 3859305.34	2.03E-02	6.41E-06	1.86E-06	2.07E-02	6.54E-06	1.90E-06	2.07E-02	6.53E-06	1.90E-06
2846	490319.73, 3859305.34	1.87E-02	5.90E-06	1.72E-06	1.91E-02	6.02E-06	1.75E-06	1.90E-02	6.01E-06	1.75E-06
2847	490069.73, 3859355.34	3.33E-02	1.05E-05	3.06E-06	3.40E-02	1.07E-05	3.12E-06	3.39E-02	1.07E-05	3.11E-06
2848	490119.73, 3859355.34	3.05E-02	9.64E-06	2.80E-06	3.12E-02	9.83E-06	2.86E-06	3.11E-02	9.82E-06	2.86E-06
2849	490169.73, 3859355.34	2.81E-02	8.85E-06	2.58E-06	2.86E-02	9.04E-06	2.63E-06	2.86E-02	9.02E-06	2.62E-06
2850	490219.73, 3859355.34	2.57E-02	8.11E-06	2.36E-06	2.62E-02	8.27E-06	2.41E-06	2.62E-02	8.26E-06	2.40E-06
2851	490269.73, 3859355.34	2.35E-02	7.43E-06	2.16E-06	2.40E-02	7.58E-06	2.21E-06	2.40E-02	7.58E-06	2.20E-06
2852	490319.73, 3859355.34	2.16E-02	6.83E-06	1.99E-06	2.21E-02	6.97E-06	2.03E-06	2.20E-02	6.96E-06	2.02E-06
2853	490069.73, 3859405.34	4.08E-02	1.29E-05	3.75E-06	4.17E-02	1.32E-05	3.83E-06	4.16E-02	1.31E-05	3.82E-06
2854	490119.73, 3859405.34	3.68E-02	1.16E-05	3.38E-06	3.75E-02	1.19E-05	3.45E-06	3.75E-02	1.18E-05	3.44E-06
2855	490169.73, 3859405.34	3.34E-02	1.05E-05	3.07E-06	3.41E-02	1.08E-05	3.13E-06	3.40E-02	1.07E-05	3.12E-06
2856	490219.73, 3859405.34	3.04E-02	9.61E-06	2.80E-06	3.11E-02	9.81E-06	2.85E-06	3.10E-02	9.79E-06	2.85E-06
2857	490269.73, 3859405.34	2.77E-02	8.74E-06	2.54E-06	2.83E-02	8.92E-06	2.59E-06	2.82E-02	8.91E-06	2.59E-06
2858	490319.73, 3859405.34	2.51E-02	7.93E-06	2.31E-06	2.57E-02	8.10E-06	2.36E-06	2.56E-02	8.09E-06	2.35E-06
2859	490161.89, 3859541.83	6.95E-02	2.19E-05	6.38E-06	7.09E-02	2.24E-05	6.51E-06	7.08E-02	2.23E-05	6.50E-06
2860	490171.89, 3859541.83	6.74E-02	2.13E-05	6.19E-06	6.88E-02	2.17E-05	6.31E-06	6.87E-02	2.17E-05	6.30E-06
2861	490161.89, 3859551.83	7.60E-02	2.40E-05	6.98E-06	7.76E-02	2.45E-05	7.12E-06	7.75E-02	2.45E-05	7.11E-06
2862	490171.89, 3859551.83	7.35E-02	2.32E-05	6.74E-06	7.50E-02	2.37E-05	6.88E-06	7.49E-02	2.36E-05	6.87E-06
2863	489799.72, 3859348.21	6.44E-02	2.03E-05	5.91E-06	6.57E-02	2.07E-05	6.03E-06	6.57E-02	2.07E-05	6.03E-06

2864	489819.72, 3859348.21	5.99E-02	1.89E-05	5.50E-06	6.11E-02	1.93E-05	5.61E-06	6.11E-02	1.93E-05	5.61E-06
2865	489799.72, 3859368.21	7.52E-02	2.37E-05	6.90E-06	7.67E-02	2.42E-05	7.04E-06	7.66E-02	2.42E-05	7.04E-06
2866	489819.72, 3859368.21	6.91E-02	2.18E-05	6.34E-06	7.05E-02	2.22E-05	6.47E-06	7.04E-02	2.22E-05	6.46E-06
2867	489775.41, 3859329.72	6.19E-02	1.96E-05	5.69E-06	6.32E-02	1.99E-05	5.80E-06	6.31E-02	1.99E-05	5.80E-06
2868	489795.41, 3859329.72	5.77E-02	1.82E-05	5.30E-06	5.89E-02	1.86E-05	5.41E-06	5.89E-02	1.86E-05	5.40E-06
2869	489775.41, 3859349.72	7.19E-02	2.27E-05	6.60E-06	7.33E-02	2.31E-05	6.73E-06	7.32E-02	2.31E-05	6.72E-06
2870	489795.41, 3859349.72	6.62E-02	2.09E-05	6.08E-06	6.76E-02	2.13E-05	6.20E-06	6.75E-02	2.13E-05	6.20E-06
2871	489595.05, 3859219.43	5.55E-02	1.75E-05	5.09E-06	5.66E-02	1.79E-05	5.20E-06	5.65E-02	1.78E-05	5.19E-06
2872	489615.05, 3859219.43	5.19E-02	1.64E-05	4.76E-06	5.30E-02	1.67E-05	4.86E-06	5.29E-02	1.67E-05	4.86E-06
2873	489595.05, 3859239.43	6.39E-02	2.02E-05	5.86E-06	6.52E-02	2.06E-05	5.98E-06	6.51E-02	2.05E-05	5.98E-06
2874	489615.05, 3859239.43	5.92E-02	1.87E-05	5.44E-06	6.04E-02	1.91E-05	5.55E-06	6.04E-02	1.90E-05	5.54E-06
2875	489372.4, 3859092.58	5.04E-02	1.59E-05	4.62E-06	5.14E-02	1.62E-05	4.72E-06	5.13E-02	1.62E-05	4.71E-06
2876	489422.4, 3859092.58	4.31E-02	1.36E-05	3.95E-06	4.39E-02	1.39E-05	4.03E-06	4.39E-02	1.39E-05	4.03E-06
2877	489372.4, 3859142.58	7.36E-02	2.32E-05	6.76E-06	7.51E-02	2.37E-05	6.90E-06	7.50E-02	2.37E-05	6.89E-06
2878	489422.4, 3859142.58	5.98E-02	1.89E-05	5.49E-06	6.10E-02	1.93E-05	5.60E-06	6.10E-02	1.92E-05	5.60E-06
2879	488870.84, 3858666.64	4.20E-03	1.33E-06	3.86E-07	4.29E-03	1.35E-06	3.94E-07	4.28E-03	1.35E-06	3.93E-07
2880	488900.84, 3858666.64	4.20E-03	1.33E-06	3.86E-07	4.29E-03	1.35E-06	3.94E-07	4.28E-03	1.35E-06	3.93E-07
2881	488870.84, 3858696.64	4.67E-03	1.47E-06	4.29E-07	4.77E-03	1.50E-06	4.38E-07	4.76E-03	1.50E-06	4.37E-07
2882	488900.84, 3858696.64	4.67E-03	1.47E-06	4.29E-07	4.77E-03	1.50E-06	4.38E-07	4.76E-03	1.50E-06	4.37E-07
2883	488889.67, 3858683.97	4.46E-03	1.41E-06	4.10E-07	4.55E-03	1.44E-06	4.18E-07	4.55E-03	1.43E-06	4.17E-07
2884	488919.67, 3858683.97	4.46E-03	1.41E-06	4.09E-07	4.55E-03	1.44E-06	4.18E-07	4.54E-03	1.43E-06	4.17E-07
2885	488889.67, 3858713.97	5.01E-03	1.58E-06	4.60E-07	5.11E-03	1.61E-06	4.69E-07	5.10E-03	1.61E-06	4.68E-07
2886	488919.67, 3858713.97	5.00E-03	1.58E-06	4.59E-07	5.11E-03	1.61E-06	4.69E-07	5.10E-03	1.61E-06	4.68E-07
2887	488906.61, 3858703.33	4.79E-03	1.51E-06	4.40E-07	4.89E-03	1.54E-06	4.49E-07	4.89E-03	1.54E-06	4.49E-07
2888	488936.61, 3858703.33	4.79E-03	1.51E-06	4.40E-07	4.89E-03	1.54E-06	4.49E-07	4.88E-03	1.54E-06	4.48E-07
2889	488906.61, 3858733.33	5.45E-03	1.72E-06	5.00E-07	5.56E-03	1.75E-06	5.10E-07	5.55E-03	1.75E-06	5.10E-07
2890	488936.61, 3858733.33	5.45E-03	1.72E-06	5.00E-07	5.56E-03	1.75E-06	5.10E-07	5.55E-03	1.75E-06	5.10E-07
2891	488637.63, 3858467.85	2.53E-03	7.98E-07	2.32E-07	2.58E-03	8.14E-07	2.37E-07	2.58E-03	8.13E-07	2.37E-07
2892	488662.63, 3858467.85	2.54E-03	8.01E-07	2.33E-07	2.59E-03	8.18E-07	2.38E-07	2.59E-03	8.17E-07	2.38E-07
2893	488637.63, 3858492.85	2.64E-03	8.32E-07	2.42E-07	2.69E-03	8.49E-07	2.47E-07	2.69E-03	8.48E-07	2.47E-07
2894	488662.63, 3858492.85	2.65E-03	8.37E-07	2.43E-07	2.71E-03	8.54E-07	2.48E-07	2.70E-03	8.53E-07	2.48E-07
2895	488687.63, 3858492.85	2.66E-03	8.40E-07	2.44E-07	2.72E-03	8.58E-07	2.49E-07	2.71E-03	8.57E-07	2.49E-07
2896	488637.63, 3858517.85	2.75E-03	8.69E-07	2.53E-07	2.81E-03	8.87E-07	2.58E-07	2.81E-03	8.86E-07	2.58E-07
2897	488662.63, 3858517.85	2.77E-03	8.76E-07	2.55E-07	2.83E-03	8.93E-07	2.60E-07	2.83E-03	8.92E-07	2.60E-07
2898	488687.63, 3858517.85	2.79E-03	8.80E-07	2.56E-07	2.85E-03	8.98E-07	2.61E-07	2.84E-03	8.97E-07	2.61E-07
2899	488194.42, 3857168.98	9.63E-04	3.04E-07	8.84E-08	9.82E-04	3.10E-07	9.02E-08	9.81E-04	3.10E-07	9.01E-08
2900	488244.42, 3857168.98	9.67E-04	3.05E-07	8.88E-08	9.87E-04	3.12E-07	9.06E-08	9.86E-04	3.11E-07	9.05E-08
2901	488294.42, 3857168.98	9.70E-04	3.06E-07	8.90E-08	9.90E-04	3.12E-07	9.08E-08	9.88E-04	3.12E-07	9.07E-08
2902	488244.42, 3857218.98	9.75E-04	3.08E-07	8.95E-08	9.95E-04	3.14E-07	9.14E-08	9.94E-04	3.14E-07	9.13E-08
2903	488294.42, 3857218.98	9.79E-04	3.09E-07	8.99E-08	9.99E-04	3.15E-07	9.18E-08	9.98E-04	3.15E-07	9.16E-08
2904	488294.42, 3857268.98	9.91E-04	3.13E-07	9.09E-08	1.01E-03	3.19E-07	9.28E-08	1.01E-03	3.19E-07	9.27E-08
2905	488139.13, 3857111.68	9.51E-04	3.00E-07	8.73E-08	9.71E-04	3.06E-07	8.91E-08	9.69E-04	3.06E-07	8.90E-08
2906	488189.13, 3857111.68	9.56E-04	3.02E-07	8.78E-08	9.76E-04	3.08E-07	8.96E-08	9.75E-04	3.08E-07	8.95E-08
2907	488189.13, 3857161.68	9.61E-04	3.03E-07	8.82E-08	9.81E-04	3.10E-07	9.00E-08	9.80E-04	3.09E-07	8.99E-08
2908	487951.04, 3856961.26	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.70E-08	9.46E-04	2.99E-07	8.68E-08
2909	488001.04, 3856961.26	9.31E-04	2.94E-07	8.54E-08	9.50E-04	3.00E-07	8.72E-08	9.48E-04	2.99E-07	8.71E-08
2910	488051.04, 3856961.26	9.29E-04	2.93E-07	8.53E-08	9.48E-04	2.99E-07	8.70E-08	9.47E-04	2.99E-07	8.69E-08
2911	488101.04, 3856961.26	9.34E-04	2.95E-07	8.58E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.00E-07	8.74E-08
2912	487951.04, 3857011.26	9.35E-04	2.95E-07	8.58E-08	9.54E-04	3.01E-07	8.76E-08	9.53E-04	3.01E-07	8.75E-08
2913	488001.04, 3857011.26	9.34E-04	2.95E-07	8.58E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.01E-07	8.74E-08
2914	488051.04, 3857011.26	9.34E-04	2.95E-07	8.57E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.00E-07	8.74E-08
2915	488101.04, 3857011.26	9.39E-04	2.96E-07	8.62E-08	9.59E-04	3.03E-07	8.80E-08	9.57E-04	3.02E-07	8.79E-08
2916	488001.04, 3857061.26	9.40E-04	2.97E-07	8.63E-08	9.59E-04	3.03E-07	8.80E-08	9.58E-04	3.02E-07	8.79E-08
2917	488051.04, 3857061.26	9.42E-04	2.97E-07	8.65E-08	9.62E-04	3.03E-07	8.83E-08	9.60E-04	3.03E-07	8.82E-08
2918	488101.04, 3857061.26	9.46E-04	2.98E-07	8.68E-08	9.65E-04	3.05E-07	8.86E-08	9.64E-04	3.04E-07	8.85E-08
2919	487638.98, 3856673.79	8.95E-04	2.83E-07	8.22E-08	9.13E-04	2.88E-07	8.39E-08	9.12E-04	2.88E-07	8.38E-08
2920	487688.98, 3856673.79	8.98E-04	2.84E-07	8.25E-08	9.17E-04	2.89E-07	8.42E-08	9.16E-04	2.89E-07	8.41E-08
2921	487638.98, 3856723.79	8.97E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
2922	487688.98, 3856723.79	9.00E-04	2.84E-07	8.26E-08	9.18E-04	2.90E-07	8.43E-08	9.17E-04	2.89E-07	8.42E-08
2923	486324.61, 3855740.57	9.74E-04	3.07E-07	8.94E-08	9.94E-04	3.14E-07	9.12E-08	9.93E-04	3.13E-07	9.11E-08
2924	486374.61, 3855740.57	9.61E-04	3.03E-07	8.83E-08	9.81E-04	3.10E-07	9.01E-08	9.80E-04	3.09E-07	9.00E-08

2925	486424.61, 3855740.57	9.57E-04	3.02E-07	8.79E-08	9.77E-04	3.08E-07	8.97E-08	9.75E-04	3.08E-07	8.96E-08
2926	486324.61, 3855790.57	9.64E-04	3.04E-07	8.85E-08	9.84E-04	3.11E-07	9.03E-08	9.83E-04	3.10E-07	9.02E-08
2927	486374.61, 3855790.57	9.53E-04	3.01E-07	8.75E-08	9.72E-04	3.07E-07	8.93E-08	9.71E-04	3.07E-07	8.92E-08
2928	486424.61, 3855790.57	9.51E-04	3.00E-07	8.73E-08	9.71E-04	3.06E-07	8.91E-08	9.69E-04	3.06E-07	8.90E-08
2929	486324.61, 3855840.57	9.55E-04	3.02E-07	8.77E-08	9.75E-04	3.08E-07	8.95E-08	9.74E-04	3.07E-07	8.94E-08
2930	486374.61, 3855840.57	9.52E-04	3.00E-07	8.74E-08	9.71E-04	3.07E-07	8.92E-08	9.70E-04	3.06E-07	8.91E-08
2931	486424.61, 3855840.57	9.46E-04	2.99E-07	8.69E-08	9.65E-04	3.05E-07	8.86E-08	9.64E-04	3.04E-07	8.85E-08
2932	486324.61, 3855890.57	9.55E-04	3.01E-07	8.76E-08	9.74E-04	3.07E-07	8.94E-08	9.73E-04	3.07E-07	8.93E-08
2933	486374.61, 3855890.57	9.50E-04	3.00E-07	8.72E-08	9.69E-04	3.06E-07	8.90E-08	9.68E-04	3.06E-07	8.89E-08
2934	486424.61, 3855890.57	9.43E-04	2.98E-07	8.66E-08	9.62E-04	3.04E-07	8.83E-08	9.61E-04	3.03E-07	8.82E-08
2935	488735.69, 3858285.64	1.96E-03	6.20E-07	1.80E-07	2.00E-03	6.33E-07	1.84E-07	2.00E-03	6.32E-07	1.84E-07
2936	488765.69, 3858285.64	1.97E-03	6.22E-07	1.81E-07	2.01E-03	6.34E-07	1.85E-07	2.01E-03	6.34E-07	1.84E-07
2937	488735.69, 3858315.64	2.04E-03	6.44E-07	1.87E-07	2.08E-03	6.57E-07	1.91E-07	2.08E-03	6.56E-07	1.91E-07
2938	488765.69, 3858315.64	2.05E-03	6.46E-07	1.88E-07	2.09E-03	6.59E-07	1.92E-07	2.09E-03	6.58E-07	1.91E-07
2939	478676.63, 3849871.93	2.13E-02	6.71E-06	1.95E-06	2.17E-02	6.85E-06	1.99E-06	2.17E-02	6.84E-06	1.99E-06
2940	479326.63, 3849871.93	1.31E-02	4.13E-06	1.20E-06	1.34E-02	4.22E-06	1.23E-06	1.34E-02	4.21E-06	1.23E-06
2941	479376.63, 3849871.93	1.27E-02	4.01E-06	1.17E-06	1.30E-02	4.10E-06	1.19E-06	1.30E-02	4.09E-06	1.19E-06
2942	479426.63, 3849871.93	1.24E-02	3.93E-06	1.14E-06	1.27E-02	4.01E-06	1.17E-06	1.27E-02	4.00E-06	1.16E-06
2943	478726.63, 3849921.93	2.22E-02	7.02E-06	2.04E-06	2.27E-02	7.16E-06	2.08E-06	2.27E-02	7.15E-06	2.08E-06
2944	478776.63, 3849921.93	2.13E-02	6.72E-06	1.96E-06	2.17E-02	6.86E-06	2.00E-06	2.17E-02	6.85E-06	1.99E-06
2945	478826.63, 3849921.93	2.04E-02	6.45E-06	1.87E-06	2.08E-02	6.58E-06	1.91E-06	2.08E-02	6.57E-06	1.91E-06
2946	478976.63, 3849921.93	1.81E-02	5.71E-06	1.66E-06	1.85E-02	5.83E-06	1.70E-06	1.85E-02	5.82E-06	1.69E-06
2947	479026.63, 3849921.93	1.75E-02	5.54E-06	1.61E-06	1.79E-02	5.65E-06	1.64E-06	1.79E-02	5.64E-06	1.64E-06
2948	479076.63, 3849921.93	1.69E-02	5.34E-06	1.55E-06	1.73E-02	5.45E-06	1.59E-06	1.73E-02	5.45E-06	1.58E-06
2949	479126.63, 3849921.93	1.63E-02	5.16E-06	1.50E-06	1.67E-02	5.26E-06	1.53E-06	1.67E-02	5.26E-06	1.53E-06
2950	479176.63, 3849921.93	1.58E-02	5.00E-06	1.45E-06	1.62E-02	5.10E-06	1.48E-06	1.61E-02	5.09E-06	1.48E-06
2951	479226.63, 3849921.93	1.52E-02	4.79E-06	1.39E-06	1.55E-02	4.89E-06	1.42E-06	1.55E-02	4.89E-06	1.42E-06
2952	479276.63, 3849921.93	1.43E-02	4.52E-06	1.32E-06	1.46E-02	4.61E-06	1.34E-06	1.46E-02	4.61E-06	1.34E-06
2953	479326.63, 3849921.93	1.43E-02	4.52E-06	1.31E-06	1.46E-02	4.61E-06	1.34E-06	1.46E-02	4.60E-06	1.34E-06
2954	479376.63, 3849921.93	1.35E-02	4.27E-06	1.24E-06	1.38E-02	4.36E-06	1.27E-06	1.38E-02	4.35E-06	1.27E-06
2955	479426.63, 3849921.93	1.34E-02	4.23E-06	1.23E-06	1.37E-02	4.32E-06	1.26E-06	1.37E-02	4.31E-06	1.25E-06
2956	478726.63, 3849971.93	2.44E-02	7.70E-06	2.24E-06	2.49E-02	7.86E-06	2.29E-06	2.49E-02	7.85E-06	2.28E-06
2957	478776.63, 3849971.93	2.33E-02	7.35E-06	2.14E-06	2.38E-02	7.50E-06	2.18E-06	2.37E-02	7.49E-06	2.18E-06
2958	478826.63, 3849971.93	2.23E-02	7.02E-06	2.04E-06	2.27E-02	7.17E-06	2.08E-06	2.27E-02	7.16E-06	2.08E-06
2959	478976.63, 3849971.93	1.97E-02	6.21E-06	1.81E-06	2.01E-02	6.34E-06	1.84E-06	2.01E-02	6.33E-06	1.84E-06
2960	479026.63, 3849971.93	1.89E-02	5.97E-06	1.74E-06	1.93E-02	6.09E-06	1.77E-06	1.93E-02	6.08E-06	1.77E-06
2961	479076.63, 3849971.93	1.82E-02	5.74E-06	1.67E-06	1.85E-02	5.85E-06	1.70E-06	1.85E-02	5.85E-06	1.70E-06
2962	479126.63, 3849971.93	1.75E-02	5.53E-06	1.61E-06	1.79E-02	5.64E-06	1.64E-06	1.79E-02	5.63E-06	1.64E-06
2963	479176.63, 3849971.93	1.69E-02	5.34E-06	1.55E-06	1.73E-02	5.45E-06	1.59E-06	1.73E-02	5.44E-06	1.58E-06
2964	479226.63, 3849971.93	1.59E-02	5.00E-06	1.46E-06	1.62E-02	5.11E-06	1.49E-06	1.62E-02	5.10E-06	1.48E-06
2965	479276.63, 3849971.93	1.57E-02	4.95E-06	1.44E-06	1.60E-02	5.05E-06	1.47E-06	1.60E-02	5.04E-06	1.47E-06
2966	479326.63, 3849971.93	1.54E-02	4.85E-06	1.41E-06	1.57E-02	4.95E-06	1.44E-06	1.57E-02	4.95E-06	1.44E-06
2967	479376.63, 3849971.93	1.46E-02	4.61E-06	1.34E-06	1.49E-02	4.70E-06	1.37E-06	1.49E-02	4.70E-06	1.37E-06
2968	479426.63, 3849971.93	1.43E-02	4.50E-06	1.31E-06	1.46E-02	4.60E-06	1.34E-06	1.45E-02	4.59E-06	1.34E-06
2969	478726.63, 3850021.93	2.71E-02	8.54E-06	2.48E-06	2.76E-02	8.71E-06	2.53E-06	2.76E-02	8.70E-06	2.53E-06
2970	478776.63, 3850021.93	2.57E-02	8.10E-06	2.36E-06	2.62E-02	8.27E-06	2.41E-06	2.62E-02	8.26E-06	2.40E-06
2971	478826.63, 3850021.93	2.44E-02	7.71E-06	2.24E-06	2.49E-02	7.87E-06	2.29E-06	2.49E-02	7.86E-06	2.29E-06
2972	478976.63, 3850021.93	2.14E-02	6.75E-06	1.96E-06	2.18E-02	6.88E-06	2.00E-06	2.18E-02	6.88E-06	2.00E-06
2973	478726.63, 3850071.93	3.04E-02	9.59E-06	2.79E-06	3.10E-02	9.78E-06	2.85E-06	3.10E-02	9.77E-06	2.84E-06
2974	478776.63, 3850071.93	2.86E-02	9.04E-06	2.63E-06	2.92E-02	9.22E-06	2.68E-06	2.92E-02	9.21E-06	2.68E-06
2975	478826.63, 3850071.93	2.71E-02	8.56E-06	2.49E-06	2.77E-02	8.73E-06	2.54E-06	2.76E-02	8.72E-06	2.54E-06
2976	478876.63, 3850071.93	2.57E-02	8.12E-06	2.36E-06	2.63E-02	8.29E-06	2.41E-06	2.62E-02	8.28E-06	2.41E-06
2977	478976.63, 3850071.93	2.34E-02	7.38E-06	2.15E-06	2.39E-02	7.53E-06	2.19E-06	2.38E-02	7.52E-06	2.19E-06
2978	478726.63, 3850121.93	3.47E-02	1.10E-05	3.19E-06	3.54E-02	1.12E-05	3.25E-06	3.54E-02	1.12E-05	3.25E-06
2979	478776.63, 3850121.93	3.24E-02	1.02E-05	2.98E-06	3.31E-02	1.04E-05	3.04E-06	3.30E-02	1.04E-05	3.03E-06
2980	478826.63, 3850121.93	3.04E-02	9.61E-06	2.79E-06	3.11E-02	9.80E-06	2.85E-06	3.10E-02	9.79E-06	2.85E-06
2981	478876.63, 3850121.93	2.87E-02	9.06E-06	2.64E-06	2.93E-02	9.25E-06	2.69E-06	2.93E-02	9.24E-06	2.69E-06
2982	478976.63, 3850121.93	2.58E-02	8.14E-06	2.37E-06	2.63E-02	8.30E-06	2.42E-06	2.63E-02	8.29E-06	2.41E-06
2983	479026.63, 3850121.93	2.46E-02	7.75E-06	2.25E-06	2.51E-02	7.91E-06	2.30E-06	2.50E-02	7.90E-06	2.30E-06
2984	479076.63, 3850121.93	2.34E-02	7.40E-06	2.15E-06	2.39E-02	7.55E-06	2.20E-06	2.39E-02	7.54E-06	2.19E-06
2985	479126.63, 3850121.93	2.24E-02	7.06E-06	2.05E-06	2.28E-02	7.21E-06	2.10E-06	2.28E-02	7.20E-06	2.09E-06

2986	478776.63, 3850171.93	3.75E-02	1.18E-05	3.44E-06	3.83E-02	1.21E-05	3.51E-06	3.82E-02	1.21E-05	3.51E-06
2987	478826.63, 3850171.93	3.48E-02	1.10E-05	3.20E-06	3.56E-02	1.12E-05	3.26E-06	3.55E-02	1.12E-05	3.26E-06
2988	478876.63, 3850171.93	3.25E-02	1.03E-05	2.99E-06	3.32E-02	1.05E-05	3.05E-06	3.32E-02	1.05E-05	3.04E-06
2989	478976.63, 3850171.93	2.88E-02	9.09E-06	2.64E-06	2.94E-02	9.27E-06	2.70E-06	2.93E-02	9.26E-06	2.69E-06
2990	479026.63, 3850171.93	2.72E-02	8.60E-06	2.50E-06	2.78E-02	8.77E-06	2.55E-06	2.78E-02	8.76E-06	2.55E-06
2991	479076.63, 3850171.93	2.59E-02	8.17E-06	2.38E-06	2.64E-02	8.34E-06	2.42E-06	2.64E-02	8.33E-06	2.42E-06
2992	479126.63, 3850171.93	2.46E-02	7.77E-06	2.26E-06	2.51E-02	7.93E-06	2.31E-06	2.51E-02	7.92E-06	2.30E-06
2993	479176.63, 3850171.93	2.35E-02	7.42E-06	2.16E-06	2.40E-02	7.57E-06	2.20E-06	2.40E-02	7.56E-06	2.20E-06
2994	479226.63, 3850171.93	2.25E-02	7.12E-06	2.07E-06	2.30E-02	7.26E-06	2.11E-06	2.30E-02	7.25E-06	2.11E-06
2995	479276.63, 3850171.93	2.16E-02	6.82E-06	1.98E-06	2.21E-02	6.96E-06	2.02E-06	2.20E-02	6.95E-06	2.02E-06
2996	479326.63, 3850171.93	2.08E-02	6.56E-06	1.91E-06	2.12E-02	6.70E-06	1.95E-06	2.12E-02	6.69E-06	1.95E-06
2997	479376.63, 3850171.93	1.99E-02	6.29E-06	1.83E-06	2.03E-02	6.42E-06	1.87E-06	2.03E-02	6.41E-06	1.87E-06
2998	478676.63, 3850221.93	5.67E-02	1.79E-05	5.21E-06	5.79E-02	1.83E-05	5.31E-06	5.78E-02	1.82E-05	5.31E-06
2999	478726.63, 3850221.93	5.00E-02	1.58E-05	4.59E-06	5.10E-02	1.61E-05	4.68E-06	5.09E-02	1.61E-05	4.68E-06
3000	478976.63, 3850221.93	3.26E-02	1.03E-05	2.99E-06	3.33E-02	1.05E-05	3.06E-06	3.32E-02	1.05E-05	3.05E-06
3001	479026.63, 3850221.93	3.06E-02	9.65E-06	2.81E-06	3.12E-02	9.85E-06	2.87E-06	3.12E-02	9.84E-06	2.86E-06
3002	479076.63, 3850221.93	2.89E-02	9.11E-06	2.65E-06	2.95E-02	9.30E-06	2.71E-06	2.94E-02	9.29E-06	2.70E-06
3003	479126.63, 3850221.93	2.74E-02	8.63E-06	2.51E-06	2.79E-02	8.81E-06	2.56E-06	2.79E-02	8.80E-06	2.56E-06
3004	479176.63, 3850221.93	2.60E-02	8.19E-06	2.38E-06	2.65E-02	8.36E-06	2.43E-06	2.65E-02	8.35E-06	2.43E-06
3005	479226.63, 3850221.93	2.47E-02	7.80E-06	2.27E-06	2.52E-02	7.96E-06	2.31E-06	2.52E-02	7.95E-06	2.31E-06
3006	479276.63, 3850221.93	2.36E-02	7.44E-06	2.16E-06	2.40E-02	7.59E-06	2.21E-06	2.40E-02	7.58E-06	2.21E-06
3007	479326.63, 3850221.93	2.26E-02	7.14E-06	2.08E-06	2.31E-02	7.28E-06	2.12E-06	2.30E-02	7.27E-06	2.12E-06
3008	479376.63, 3850221.93	2.17E-02	6.85E-06	1.99E-06	2.21E-02	6.99E-06	2.03E-06	2.21E-02	6.98E-06	2.03E-06
3009	478676.63, 3850271.93	7.91E-02	2.50E-05	7.27E-06	8.08E-02	2.55E-05	7.41E-06	8.07E-02	2.55E-05	7.41E-06
3010	478726.63, 3850271.93	6.58E-02	2.08E-05	6.04E-06	6.72E-02	2.12E-05	6.17E-06	6.71E-02	2.12E-05	6.16E-06
3011	478976.63, 3850271.93	3.78E-02	1.19E-05	3.47E-06	3.86E-02	1.22E-05	3.55E-06	3.86E-02	1.22E-05	3.54E-06
3012	479026.63, 3850271.93	3.50E-02	1.10E-05	3.21E-06	3.57E-02	1.13E-05	3.28E-06	3.57E-02	1.13E-05	3.28E-06
3013	479076.63, 3850271.93	3.27E-02	1.03E-05	3.00E-06	3.34E-02	1.05E-05	3.06E-06	3.33E-02	1.05E-05	3.06E-06
3014	479126.63, 3850271.93	3.07E-02	9.69E-06	2.82E-06	3.13E-02	9.89E-06	2.88E-06	3.13E-02	9.87E-06	2.87E-06
3015	479176.63, 3850271.93	2.89E-02	9.13E-06	2.65E-06	2.95E-02	9.31E-06	2.71E-06	2.95E-02	9.30E-06	2.71E-06
3016	479226.63, 3850271.93	2.73E-02	8.63E-06	2.51E-06	2.79E-02	8.80E-06	2.56E-06	2.79E-02	8.79E-06	2.56E-06
3017	479276.63, 3850271.93	2.60E-02	8.20E-06	2.38E-06	2.65E-02	8.36E-06	2.43E-06	2.65E-02	8.35E-06	2.43E-06
3018	479326.63, 3850271.93	2.48E-02	7.83E-06	2.28E-06	2.53E-02	7.99E-06	2.32E-06	2.53E-02	7.98E-06	2.32E-06
3019	479376.63, 3850271.93	2.37E-02	7.48E-06	2.18E-06	2.42E-02	7.64E-06	2.22E-06	2.42E-02	7.63E-06	2.22E-06
3020	479053.24, 3850293.52	3.59E-02	1.13E-05	3.29E-06	3.66E-02	1.16E-05	3.36E-06	3.66E-02	1.15E-05	3.36E-06
3021	479103.24, 3850293.52	3.34E-02	1.05E-05	3.07E-06	3.41E-02	1.08E-05	3.13E-06	3.41E-02	1.07E-05	3.13E-06
3022	479153.24, 3850293.52	3.14E-02	9.90E-06	2.88E-06	3.20E-02	1.01E-05	2.94E-06	3.20E-02	1.01E-05	2.93E-06
3023	479203.24, 3850293.52	2.95E-02	9.30E-06	2.71E-06	3.01E-02	9.49E-06	2.76E-06	3.00E-02	9.48E-06	2.76E-06
3024	479253.24, 3850293.52	2.79E-02	8.79E-06	2.56E-06	2.84E-02	8.97E-06	2.61E-06	2.84E-02	8.96E-06	2.61E-06
3025	479303.24, 3850293.52	2.65E-02	8.36E-06	2.43E-06	2.70E-02	8.53E-06	2.48E-06	2.70E-02	8.52E-06	2.48E-06
3026	479353.24, 3850293.52	2.53E-02	7.98E-06	2.32E-06	2.58E-02	8.14E-06	2.37E-06	2.58E-02	8.13E-06	2.36E-06
3027	479153.24, 3850343.52	3.60E-02	1.13E-05	3.30E-06	3.67E-02	1.16E-05	3.37E-06	3.66E-02	1.16E-05	3.36E-06
3028	479203.24, 3850343.52	3.35E-02	1.06E-05	3.07E-06	3.41E-02	1.08E-05	3.13E-06	3.41E-02	1.08E-05	3.13E-06
3029	479253.24, 3850343.52	3.14E-02	9.92E-06	2.89E-06	3.21E-02	1.01E-05	2.95E-06	3.20E-02	1.01E-05	2.94E-06
3030	479303.24, 3850343.52	2.97E-02	9.37E-06	2.73E-06	3.03E-02	9.57E-06	2.78E-06	3.03E-02	9.55E-06	2.78E-06
3031	479353.24, 3850343.52	2.81E-02	8.88E-06	2.58E-06	2.87E-02	9.06E-06	2.64E-06	2.87E-02	9.05E-06	2.63E-06
3032	479203.24, 3850393.52	3.90E-02	1.23E-05	3.58E-06	3.98E-02	1.26E-05	3.66E-06	3.98E-02	1.26E-05	3.65E-06
3033	479253.24, 3850393.52	3.62E-02	1.14E-05	3.33E-06	3.70E-02	1.17E-05	3.39E-06	3.69E-02	1.17E-05	3.39E-06
3034	479303.24, 3850393.52	3.39E-02	1.07E-05	3.11E-06	3.46E-02	1.09E-05	3.17E-06	3.45E-02	1.09E-05	3.17E-06
3035	479353.24, 3850393.52	3.18E-02	1.00E-05	2.92E-06	3.25E-02	1.02E-05	2.98E-06	3.24E-02	1.02E-05	2.98E-06
3036	479403.24, 3850393.52	3.00E-02	9.46E-06	2.75E-06	3.06E-02	9.65E-06	2.81E-06	3.05E-02	9.64E-06	2.80E-06
3037	479453.24, 3850393.52	2.83E-02	8.93E-06	2.60E-06	2.89E-02	9.11E-06	2.65E-06	2.88E-02	9.10E-06	2.65E-06
3038	479503.24, 3850393.52	2.67E-02	8.41E-06	2.45E-06	2.72E-02	8.59E-06	2.50E-06	2.72E-02	8.58E-06	2.49E-06
3039	479303.24, 3850443.52	3.97E-02	1.25E-05	3.65E-06	4.06E-02	1.28E-05	3.72E-06	4.05E-02	1.28E-05	3.72E-06
3040	479353.24, 3850443.52	3.69E-02	1.16E-05	3.38E-06	3.76E-02	1.19E-05	3.45E-06	3.76E-02	1.19E-05	3.45E-06
3041	479403.24, 3850443.52	3.43E-02	1.08E-05	3.15E-06	3.50E-02	1.11E-05	3.21E-06	3.50E-02	1.10E-05	3.21E-06
3042	479453.24, 3850443.52	3.20E-02	1.01E-05	2.94E-06	3.27E-02	1.03E-05	3.00E-06	3.27E-02	1.03E-05	3.00E-06
3043	479503.24, 3850443.52	2.99E-02	9.44E-06	2.75E-06	3.05E-02	9.64E-06	2.80E-06	3.05E-02	9.63E-06	2.80E-06
3044	480327.18, 3850987.04	4.77E-02	1.50E-05	4.38E-06	4.86E-02	1.54E-05	4.47E-06	4.86E-02	1.53E-05	4.46E-06
3045	480377.18, 3850987.04	4.34E-02	1.37E-05	3.98E-06	4.43E-02	1.40E-05	4.07E-06	4.42E-02	1.40E-05	4.06E-06
3046	480427.18, 3850987.04	3.98E-02	1.26E-05	3.66E-06	4.06E-02	1.28E-05	3.73E-06	4.06E-02	1.28E-05	3.73E-06

3047	480477.18, 3850987.04	3.67E-02	1.16E-05	3.37E-06	3.74E-02	1.18E-05	3.44E-06	3.74E-02	1.18E-05	3.43E-06
3048	480327.18, 3851037.04	6.14E-02	1.94E-05	5.64E-06	6.27E-02	1.98E-05	5.75E-06	6.26E-02	1.98E-05	5.75E-06
3049	480377.18, 3851037.04	5.43E-02	1.71E-05	4.99E-06	5.54E-02	1.75E-05	5.09E-06	5.54E-02	1.75E-05	5.08E-06
3050	480427.18, 3851037.04	4.86E-02	1.53E-05	4.46E-06	4.96E-02	1.57E-05	4.55E-06	4.95E-02	1.56E-05	4.55E-06
3051	480477.18, 3851037.04	4.39E-02	1.39E-05	4.03E-06	4.48E-02	1.41E-05	4.11E-06	4.47E-02	1.41E-05	4.11E-06
3052	480622.06, 3851087.39	4.06E-02	1.28E-05	3.73E-06	4.15E-02	1.31E-05	3.81E-06	4.14E-02	1.31E-05	3.80E-06
3053	480672.06, 3851087.39	3.74E-02	1.18E-05	3.43E-06	3.81E-02	1.20E-05	3.50E-06	3.81E-02	1.20E-05	3.50E-06
3054	480622.06, 3851137.39	5.01E-02	1.58E-05	4.59E-06	5.11E-02	1.61E-05	4.69E-06	5.10E-02	1.61E-05	4.68E-06
3055	480672.06, 3851137.39	4.50E-02	1.42E-05	4.13E-06	4.59E-02	1.45E-05	4.21E-06	4.58E-02	1.45E-05	4.21E-06
3056	480722.06, 3851137.39	4.10E-02	1.29E-05	3.76E-06	4.18E-02	1.32E-05	3.84E-06	4.18E-02	1.32E-05	3.83E-06
3057	480622.06, 3851187.39	6.61E-02	2.09E-05	6.07E-06	6.74E-02	2.13E-05	6.19E-06	6.74E-02	2.13E-05	6.18E-06
3058	480672.06, 3851187.39	5.71E-02	1.80E-05	5.25E-06	5.83E-02	1.84E-05	5.35E-06	5.82E-02	1.84E-05	5.35E-06
3059	480722.06, 3851187.39	5.05E-02	1.59E-05	4.64E-06	5.16E-02	1.63E-05	4.73E-06	5.15E-02	1.63E-05	4.73E-06
3060	471363.09, 3845877.25	2.60E-04	8.20E-08	2.39E-08	2.65E-04	8.37E-08	2.43E-08	2.65E-04	8.36E-08	2.43E-08
3061	471863.09, 3845877.25	2.52E-04	7.94E-08	2.31E-08	2.57E-04	8.10E-08	2.36E-08	2.56E-04	8.09E-08	2.35E-08
3062	472363.09, 3845877.25	3.26E-04	1.03E-07	2.99E-08	3.33E-04	1.05E-07	3.05E-08	3.32E-04	1.05E-07	3.05E-08
3063	472863.09, 3845877.25	2.45E-04	7.75E-08	2.25E-08	2.50E-04	7.91E-08	2.30E-08	2.50E-04	7.90E-08	2.30E-08
3064	473363.09, 3845877.25	2.58E-04	8.14E-08	2.37E-08	2.63E-04	8.30E-08	2.42E-08	2.63E-04	8.29E-08	2.41E-08
3065	473863.09, 3845877.25	2.70E-04	8.52E-08	2.48E-08	2.75E-04	8.69E-08	2.53E-08	2.75E-04	8.68E-08	2.53E-08
3066	474363.09, 3845877.25	3.14E-04	9.91E-08	2.88E-08	3.21E-04	1.01E-07	2.94E-08	3.20E-04	1.01E-07	2.94E-08
3067	474863.09, 3845877.25	3.66E-04	1.15E-07	3.36E-08	3.73E-04	1.18E-07	3.43E-08	3.73E-04	1.18E-07	3.42E-08
3068	475363.09, 3845877.25	4.23E-04	1.33E-07	3.88E-08	4.31E-04	1.36E-07	3.96E-08	4.31E-04	1.36E-07	3.96E-08
3069	475863.09, 3845877.25	4.36E-04	1.38E-07	4.00E-08	4.45E-04	1.40E-07	4.08E-08	4.44E-04	1.40E-07	4.08E-08
3070	476363.09, 3845877.25	4.08E-04	1.29E-07	3.75E-08	4.16E-04	1.31E-07	3.82E-08	4.16E-04	1.31E-07	3.82E-08
3071	476863.09, 3845877.25	3.81E-04	1.20E-07	3.50E-08	3.88E-04	1.23E-07	3.57E-08	3.88E-04	1.22E-07	3.56E-08
3072	477363.09, 3845877.25	3.80E-04	1.20E-07	3.49E-08	3.88E-04	1.22E-07	3.56E-08	3.87E-04	1.22E-07	3.55E-08
3073	477863.09, 3845877.25	3.60E-04	1.14E-07	3.31E-08	3.68E-04	1.16E-07	3.38E-08	3.67E-04	1.16E-07	3.37E-08
3074	478363.09, 3845877.25	3.69E-04	1.16E-07	3.38E-08	3.76E-04	1.19E-07	3.45E-08	3.76E-04	1.19E-07	3.45E-08
3075	478863.09, 3845877.25	3.75E-04	1.18E-07	3.45E-08	3.83E-04	1.21E-07	3.52E-08	3.83E-04	1.21E-07	3.51E-08
3076	479363.09, 3845877.25	4.00E-04	1.26E-07	3.67E-08	4.08E-04	1.29E-07	3.75E-08	4.08E-04	1.29E-07	3.74E-08
3077	479863.09, 3845877.25	4.03E-04	1.27E-07	3.70E-08	4.11E-04	1.30E-07	3.77E-08	4.10E-04	1.29E-07	3.77E-08
3078	480363.09, 3845877.25	3.74E-04	1.18E-07	3.43E-08	3.81E-04	1.20E-07	3.50E-08	3.81E-04	1.20E-07	3.50E-08
3079	480863.09, 3845877.25	3.67E-04	1.16E-07	3.37E-08	3.75E-04	1.18E-07	3.44E-08	3.74E-04	1.18E-07	3.44E-08
3080	481363.09, 3845877.25	3.64E-04	1.15E-07	3.34E-08	3.71E-04	1.17E-07	3.41E-08	3.71E-04	1.17E-07	3.40E-08
3081	481863.09, 3845877.25	3.49E-04	1.10E-07	3.20E-08	3.56E-04	1.12E-07	3.27E-08	3.56E-04	1.12E-07	3.26E-08
3082	482363.09, 3845877.25	3.28E-04	1.04E-07	3.01E-08	3.35E-04	1.06E-07	3.08E-08	3.35E-04	1.06E-07	3.07E-08
3083	482863.09, 3845877.25	2.65E-04	8.37E-08	2.43E-08	2.71E-04	8.54E-08	2.48E-08	2.70E-04	8.53E-08	2.48E-08
3084	483363.09, 3845877.25	2.40E-04	7.57E-08	2.20E-08	2.45E-04	7.72E-08	2.25E-08	2.44E-04	7.72E-08	2.24E-08
3085	483863.09, 3845877.25	3.04E-04	9.61E-08	2.79E-08	3.11E-04	9.80E-08	2.85E-08	3.10E-04	9.79E-08	2.85E-08
3086	484363.09, 3845877.25	3.10E-04	9.78E-08	2.85E-08	3.16E-04	9.98E-08	2.90E-08	3.16E-04	9.97E-08	2.90E-08
3087	484863.09, 3845877.25	3.04E-04	9.60E-08	2.79E-08	3.10E-04	9.79E-08	2.85E-08	3.10E-04	9.78E-08	2.85E-08
3088	485363.09, 3845877.25	2.91E-04	9.19E-08	2.67E-08	2.97E-04	9.38E-08	2.73E-08	2.97E-04	9.37E-08	2.72E-08
3089	485863.09, 3845877.25	3.01E-04	9.49E-08	2.76E-08	3.07E-04	9.68E-08	2.82E-08	3.06E-04	9.67E-08	2.81E-08
3090	486363.09, 3845877.25	2.97E-04	9.38E-08	2.73E-08	3.03E-04	9.58E-08	2.79E-08	3.03E-04	9.56E-08	2.78E-08
3091	486863.09, 3845877.25	2.78E-04	8.76E-08	2.55E-08	2.83E-04	8.94E-08	2.60E-08	2.83E-04	8.93E-08	2.60E-08
3092	487363.09, 3845877.25	2.74E-04	8.66E-08	2.52E-08	2.80E-04	8.84E-08	2.57E-08	2.80E-04	8.82E-08	2.57E-08
3093	487863.09, 3845877.25	2.56E-04	8.09E-08	2.35E-08	2.62E-04	8.26E-08	2.40E-08	2.61E-04	8.25E-08	2.40E-08
3094	488363.09, 3845877.25	2.49E-04	7.86E-08	2.29E-08	2.54E-04	8.02E-08	2.33E-08	2.54E-04	8.01E-08	2.33E-08
3095	488863.09, 3845877.25	2.88E-04	9.08E-08	2.64E-08	2.93E-04	9.26E-08	2.69E-08	2.93E-04	9.25E-08	2.69E-08
3096	489363.09, 3845877.25	2.86E-04	9.03E-08	2.63E-08	2.92E-04	9.21E-08	2.68E-08	2.92E-04	9.20E-08	2.68E-08
3097	489863.09, 3845877.25	2.67E-04	8.42E-08	2.45E-08	2.72E-04	8.59E-08	2.50E-08	2.72E-04	8.58E-08	2.50E-08
3098	490363.09, 3845877.25	2.40E-04	7.57E-08	2.20E-08	2.45E-04	7.72E-08	2.25E-08	2.44E-04	7.72E-08	2.24E-08
3099	490863.09, 3845877.25	1.93E-04	6.08E-08	1.77E-08	1.97E-04	6.21E-08	1.81E-08	1.96E-04	6.20E-08	1.80E-08
3100	491363.09, 3845877.25	2.17E-04	6.84E-08	1.99E-08	2.21E-04	6.98E-08	2.03E-08	2.21E-04	6.98E-08	2.03E-08
3101	491863.09, 3845877.25	2.31E-04	7.29E-08	2.12E-08	2.36E-04	7.44E-08	2.16E-08	2.35E-04	7.43E-08	2.16E-08
3102	492363.09, 3845877.25	1.96E-04	6.19E-08	1.80E-08	2.00E-04	6.32E-08	1.84E-08	2.00E-04	6.31E-08	1.84E-08
3103	492863.09, 3845877.25	2.39E-04	7.53E-08	2.19E-08	2.44E-04	7.69E-08	2.24E-08	2.43E-04	7.68E-08	2.23E-08
3104	493363.09, 3845877.25	2.53E-04	7.97E-08	2.32E-08	2.58E-04	8.13E-08	2.37E-08	2.57E-04	8.12E-08	2.36E-08
3105	493863.09, 3845877.25	2.66E-04	8.39E-08	2.44E-08	2.71E-04	8.56E-08	2.49E-08	2.71E-04	8.55E-08	2.49E-08
3106	494363.09, 3845877.25	2.74E-04	8.64E-08	2.51E-08	2.79E-04	8.82E-08	2.56E-08	2.79E-04	8.81E-08	2.56E-08
3107	494863.09, 3845877.25	2.76E-04	8.71E-08	2.53E-08	2.82E-04	8.89E-08	2.59E-08	2.81E-04	8.88E-08	2.58E-08

3108	495363.09, 3845877.25	2.84E-04	8.96E-08	2.61E-08	2.90E-04	9.14E-08	2.66E-08	2.89E-04	9.13E-08	2.66E-08
3109	495863.09, 3845877.25	2.92E-04	9.21E-08	2.68E-08	2.98E-04	9.40E-08	2.73E-08	2.97E-04	9.38E-08	2.73E-08
3110	496363.09, 3845877.25	2.99E-04	9.43E-08	2.74E-08	3.05E-04	9.62E-08	2.80E-08	3.05E-04	9.61E-08	2.80E-08
3111	496863.09, 3845877.25	2.98E-04	9.42E-08	2.74E-08	3.05E-04	9.61E-08	2.80E-08	3.04E-04	9.60E-08	2.79E-08
3112	497363.09, 3845877.25	2.98E-04	9.41E-08	2.74E-08	3.04E-04	9.60E-08	2.79E-08	3.04E-04	9.59E-08	2.79E-08
3113	497863.09, 3845877.25	2.99E-04	9.45E-08	2.75E-08	3.05E-04	9.64E-08	2.80E-08	3.05E-04	9.63E-08	2.80E-08
3114	498363.09, 3845877.25	2.97E-04	9.38E-08	2.73E-08	3.03E-04	9.58E-08	2.79E-08	3.03E-04	9.56E-08	2.78E-08
3115	471363.09, 3846377.25	6.55E-04	2.07E-07	6.01E-08	6.68E-04	2.11E-07	6.13E-08	6.67E-04	2.11E-07	6.13E-08
3116	471863.09, 3846377.25	5.87E-04	1.85E-07	5.39E-08	5.99E-04	1.89E-07	5.50E-08	5.98E-04	1.89E-07	5.49E-08
3117	472363.09, 3846377.25	3.08E-04	9.73E-08	2.83E-08	3.15E-04	9.93E-08	2.89E-08	3.14E-04	9.91E-08	2.88E-08
3118	472863.09, 3846377.25	3.46E-04	1.09E-07	3.18E-08	3.53E-04	1.11E-07	3.24E-08	3.53E-04	1.11E-07	3.24E-08
3119	473363.09, 3846377.25	3.46E-04	1.09E-07	3.18E-08	3.53E-04	1.12E-07	3.24E-08	3.53E-04	1.11E-07	3.24E-08
3120	473863.09, 3846377.25	3.98E-04	1.26E-07	3.65E-08	4.06E-04	1.28E-07	3.73E-08	4.06E-04	1.28E-07	3.72E-08
3121	474363.09, 3846377.25	4.19E-04	1.32E-07	3.85E-08	4.28E-04	1.35E-07	3.93E-08	4.27E-04	1.35E-07	3.92E-08
3122	474863.09, 3846377.25	4.77E-04	1.51E-07	4.38E-08	4.87E-04	1.54E-07	4.47E-08	4.86E-04	1.53E-07	4.46E-08
3123	475363.09, 3846377.25	5.45E-04	1.72E-07	5.00E-08	5.56E-04	1.75E-07	5.10E-08	5.55E-04	1.75E-07	5.10E-08
3124	475863.09, 3846377.25	6.29E-04	1.98E-07	5.77E-08	6.42E-04	2.03E-07	5.89E-08	6.41E-04	2.02E-07	5.88E-08
3125	476363.09, 3846377.25	6.18E-04	1.95E-07	5.68E-08	6.31E-04	1.99E-07	5.79E-08	6.30E-04	1.99E-07	5.79E-08
3126	476863.09, 3846377.25	6.12E-04	1.93E-07	5.62E-08	6.24E-04	1.97E-07	5.73E-08	6.23E-04	1.97E-07	5.72E-08
3127	477363.09, 3846377.25	6.15E-04	1.94E-07	5.65E-08	6.28E-04	1.98E-07	5.76E-08	6.27E-04	1.98E-07	5.75E-08
3128	477863.09, 3846377.25	5.95E-04	1.88E-07	5.46E-08	6.07E-04	1.92E-07	5.57E-08	6.06E-04	1.91E-07	5.56E-08
3129	478363.09, 3846377.25	5.87E-04	1.85E-07	5.39E-08	5.99E-04	1.89E-07	5.50E-08	5.99E-04	1.89E-07	5.49E-08
3130	478863.09, 3846377.25	6.14E-04	1.94E-07	5.64E-08	6.27E-04	1.98E-07	5.75E-08	6.26E-04	1.98E-07	5.75E-08
3131	479363.09, 3846377.25	6.21E-04	1.96E-07	5.70E-08	6.33E-04	2.00E-07	5.81E-08	6.32E-04	2.00E-07	5.81E-08
3132	479863.09, 3846377.25	6.04E-04	1.91E-07	5.54E-08	6.16E-04	1.94E-07	5.66E-08	6.15E-04	1.94E-07	5.65E-08
3133	480363.09, 3846377.25	6.12E-04	1.93E-07	5.62E-08	6.24E-04	1.97E-07	5.73E-08	6.23E-04	1.97E-07	5.72E-08
3134	480863.09, 3846377.25	5.51E-04	1.74E-07	5.06E-08	5.62E-04	1.77E-07	5.16E-08	5.61E-04	1.77E-07	5.15E-08
3135	481363.09, 3846377.25	5.45E-04	1.72E-07	5.00E-08	5.56E-04	1.76E-07	5.11E-08	5.56E-04	1.75E-07	5.10E-08
3136	481863.09, 3846377.25	5.14E-04	1.62E-07	4.72E-08	5.24E-04	1.66E-07	4.81E-08	5.24E-04	1.65E-07	4.81E-08
3137	482363.09, 3846377.25	4.69E-04	1.48E-07	4.30E-08	4.78E-04	1.51E-07	4.39E-08	4.78E-04	1.51E-07	4.38E-08
3138	482863.09, 3846377.25	4.00E-04	1.26E-07	3.67E-08	4.08E-04	1.29E-07	3.75E-08	4.08E-04	1.29E-07	3.74E-08
3139	483363.09, 3846377.25	4.25E-04	1.34E-07	3.90E-08	4.34E-04	1.37E-07	3.98E-08	4.33E-04	1.37E-07	3.98E-08
3140	483863.09, 3846377.25	4.22E-04	1.33E-07	3.87E-08	4.31E-04	1.36E-07	3.95E-08	4.30E-04	1.36E-07	3.95E-08
3141	484363.09, 3846377.25	3.87E-04	1.22E-07	3.55E-08	3.94E-04	1.25E-07	3.62E-08	3.94E-04	1.24E-07	3.62E-08
3142	484863.09, 3846377.25	4.28E-04	1.35E-07	3.93E-08	4.37E-04	1.38E-07	4.01E-08	4.36E-04	1.38E-07	4.01E-08
3143	485363.09, 3846377.25	4.28E-04	1.35E-07	3.93E-08	4.37E-04	1.38E-07	4.01E-08	4.37E-04	1.38E-07	4.01E-08
3144	485863.09, 3846377.25	3.99E-04	1.26E-07	3.67E-08	4.07E-04	1.29E-07	3.74E-08	4.07E-04	1.28E-07	3.74E-08
3145	486363.09, 3846377.25	3.37E-04	1.06E-07	3.09E-08	3.43E-04	1.08E-07	3.15E-08	3.43E-04	1.08E-07	3.15E-08
3146	486863.09, 3846377.25	3.20E-04	1.01E-07	2.94E-08	3.27E-04	1.03E-07	3.00E-08	3.26E-04	1.03E-07	2.99E-08
3147	487363.09, 3846377.25	3.31E-04	1.04E-07	3.04E-08	3.38E-04	1.07E-07	3.10E-08	3.37E-04	1.06E-07	3.10E-08
3148	487863.09, 3846377.25	3.69E-04	1.17E-07	3.39E-08	3.77E-04	1.19E-07	3.46E-08	3.76E-04	1.19E-07	3.45E-08
3149	488363.09, 3846377.25	3.60E-04	1.14E-07	3.31E-08	3.68E-04	1.16E-07	3.38E-08	3.67E-04	1.16E-07	3.37E-08
3150	488863.09, 3846377.25	3.56E-04	1.12E-07	3.27E-08	3.63E-04	1.15E-07	3.33E-08	3.63E-04	1.15E-07	3.33E-08
3151	489363.09, 3846377.25	3.49E-04	1.10E-07	3.21E-08	3.56E-04	1.12E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
3152	489863.09, 3846377.25	3.26E-04	1.03E-07	2.99E-08	3.33E-04	1.05E-07	3.05E-08	3.32E-04	1.05E-07	3.05E-08
3153	490363.09, 3846377.25	2.64E-04	8.33E-08	2.42E-08	2.69E-04	8.50E-08	2.47E-08	2.69E-04	8.49E-08	2.47E-08
3154	490863.09, 3846377.25	2.40E-04	7.58E-08	2.20E-08	2.45E-04	7.73E-08	2.25E-08	2.45E-04	7.73E-08	2.25E-08
3155	491363.09, 3846377.25	2.35E-04	7.40E-08	2.15E-08	2.39E-04	7.55E-08	2.20E-08	2.39E-04	7.55E-08	2.19E-08
3156	491863.09, 3846377.25	2.73E-04	8.60E-08	2.50E-08	2.78E-04	8.78E-08	2.55E-08	2.78E-04	8.77E-08	2.55E-08
3157	492363.09, 3846377.25	2.61E-04	8.23E-08	2.39E-08	2.66E-04	8.40E-08	2.44E-08	2.66E-04	8.39E-08	2.44E-08
3158	492863.09, 3846377.25	2.63E-04	8.30E-08	2.41E-08	2.68E-04	8.47E-08	2.46E-08	2.68E-04	8.46E-08	2.46E-08
3159	493363.09, 3846377.25	2.90E-04	9.14E-08	2.66E-08	2.96E-04	9.33E-08	2.71E-08	2.95E-04	9.32E-08	2.71E-08
3160	493863.09, 3846377.25	3.01E-04	9.50E-08	2.76E-08	3.07E-04	9.69E-08	2.82E-08	3.07E-04	9.68E-08	2.82E-08
3161	494363.09, 3846377.25	3.09E-04	9.75E-08	2.83E-08	3.15E-04	9.95E-08	2.89E-08	3.15E-04	9.93E-08	2.89E-08
3162	494863.09, 3846377.25	3.14E-04	9.90E-08	2.88E-08	3.20E-04	1.01E-07	2.94E-08	3.20E-04	1.01E-07	2.94E-08
3163	495363.09, 3846377.25	3.17E-04	1.00E-07	2.91E-08	3.24E-04	1.02E-07	2.97E-08	3.23E-04	1.02E-07	2.97E-08
3164	495863.09, 3846377.25	3.25E-04	1.03E-07	2.99E-08	3.32E-04	1.05E-07	3.05E-08	3.32E-04	1.05E-07	3.04E-08
3165	496363.09, 3846377.25	3.32E-04	1.05E-07	3.05E-08	3.39E-04	1.07E-07	3.11E-08	3.38E-04	1.07E-07	3.10E-08
3166	496863.09, 3846377.25	3.35E-04	1.06E-07	3.08E-08	3.42E-04	1.08E-07	3.14E-08	3.41E-04	1.08E-07	3.13E-08
3167	497363.09, 3846377.25	3.36E-04	1.06E-07	3.08E-08	3.43E-04	1.08E-07	3.15E-08	3.42E-04	1.08E-07	3.14E-08
3168	497863.09, 3846377.25	3.33E-04	1.05E-07	3.06E-08	3.40E-04	1.07E-07	3.12E-08	3.39E-04	1.07E-07	3.12E-08

3169	498363.09, 3846377.25	3.27E-04	1.03E-07	3.01E-08	3.34E-04	1.05E-07	3.07E-08	3.34E-04	1.05E-07	3.06E-08
3170	471363.09, 3846877.25	7.12E-04	2.25E-07	6.54E-08	7.26E-04	2.29E-07	6.67E-08	7.26E-04	2.29E-07	6.66E-08
3171	471863.09, 3846877.25	8.41E-04	2.65E-07	7.72E-08	8.58E-04	2.71E-07	7.88E-08	8.57E-04	2.71E-07	7.87E-08
3172	472363.09, 3846877.25	9.14E-04	2.88E-07	8.39E-08	9.33E-04	2.94E-07	8.56E-08	9.32E-04	2.94E-07	8.55E-08
3173	472863.09, 3846877.25	4.05E-04	1.28E-07	3.72E-08	4.14E-04	1.31E-07	3.80E-08	4.13E-04	1.30E-07	3.79E-08
3174	473363.09, 3846877.25	5.11E-04	1.61E-07	4.69E-08	5.21E-04	1.65E-07	4.79E-08	5.21E-04	1.64E-07	4.78E-08
3175	473863.09, 3846877.25	6.15E-04	1.94E-07	5.64E-08	6.27E-04	1.98E-07	5.76E-08	6.26E-04	1.98E-07	5.75E-08
3176	474363.09, 3846877.25	6.07E-04	1.92E-07	5.57E-08	6.19E-04	1.95E-07	5.69E-08	6.19E-04	1.95E-07	5.68E-08
3177	474863.09, 3846877.25	6.35E-04	2.00E-07	5.83E-08	6.48E-04	2.05E-07	5.95E-08	6.47E-04	2.04E-07	5.94E-08
3178	475363.09, 3846877.25	6.76E-04	2.13E-07	6.21E-08	6.90E-04	2.18E-07	6.34E-08	6.89E-04	2.18E-07	6.33E-08
3179	475863.09, 3846877.25	9.27E-04	2.93E-07	8.51E-08	9.46E-04	2.99E-07	8.68E-08	9.45E-04	2.98E-07	8.67E-08
3180	476363.09, 3846877.25	1.08E-03	3.39E-07	9.87E-08	1.10E-03	3.46E-07	1.01E-07	1.10E-03	3.46E-07	1.01E-07
3181	476863.09, 3846877.25	1.08E-03	3.41E-07	9.91E-08	1.10E-03	3.48E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
3182	477363.09, 3846877.25	1.08E-03	3.42E-07	9.94E-08	1.10E-03	3.49E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
3183	477863.09, 3846877.25	1.04E-03	3.28E-07	9.53E-08	1.06E-03	3.34E-07	9.72E-08	1.06E-03	3.34E-07	9.71E-08
3184	478363.09, 3846877.25	1.02E-03	3.21E-07	9.34E-08	1.04E-03	3.28E-07	9.53E-08	1.04E-03	3.27E-07	9.52E-08
3185	478863.09, 3846877.25	1.03E-03	3.24E-07	9.43E-08	1.05E-03	3.31E-07	9.63E-08	1.05E-03	3.31E-07	9.61E-08
3186	479363.09, 3846877.25	9.87E-04	3.12E-07	9.06E-08	1.01E-03	3.18E-07	9.25E-08	1.01E-03	3.18E-07	9.24E-08
3187	479863.09, 3846877.25	8.30E-04	2.62E-07	7.62E-08	8.47E-04	2.67E-07	7.78E-08	8.46E-04	2.67E-07	7.77E-08
3188	480363.09, 3846877.25	7.39E-04	2.33E-07	6.79E-08	7.54E-04	2.38E-07	6.93E-08	7.54E-04	2.38E-07	6.92E-08
3189	480863.09, 3846877.25	7.01E-04	2.21E-07	6.44E-08	7.16E-04	2.26E-07	6.57E-08	7.15E-04	2.26E-07	6.56E-08
3190	481363.09, 3846877.25	7.30E-04	2.30E-07	6.70E-08	7.45E-04	2.35E-07	6.84E-08	7.44E-04	2.35E-07	6.83E-08
3191	481863.09, 3846877.25	7.13E-04	2.25E-07	6.54E-08	7.27E-04	2.30E-07	6.68E-08	7.26E-04	2.29E-07	6.67E-08
3192	482363.09, 3846877.25	6.25E-04	1.97E-07	5.74E-08	6.38E-04	2.01E-07	5.86E-08	6.37E-04	2.01E-07	5.85E-08
3193	482863.09, 3846877.25	6.09E-04	1.92E-07	5.59E-08	6.21E-04	1.96E-07	5.70E-08	6.20E-04	1.96E-07	5.70E-08
3194	483363.09, 3846877.25	5.91E-04	1.86E-07	5.42E-08	6.03E-04	1.90E-07	5.53E-08	6.02E-04	1.90E-07	5.53E-08
3195	483863.09, 3846877.25	5.77E-04	1.82E-07	5.30E-08	5.89E-04	1.86E-07	5.41E-08	5.88E-04	1.86E-07	5.40E-08
3196	484363.09, 3846877.25	5.77E-04	1.82E-07	5.30E-08	5.89E-04	1.86E-07	5.41E-08	5.88E-04	1.86E-07	5.40E-08
3197	484863.09, 3846877.25	5.58E-04	1.76E-07	5.12E-08	5.69E-04	1.80E-07	5.23E-08	5.69E-04	1.80E-07	5.22E-08
3198	485363.09, 3846877.25	5.58E-04	1.76E-07	5.12E-08	5.69E-04	1.80E-07	5.23E-08	5.69E-04	1.79E-07	5.22E-08
3199	485863.09, 3846877.25	5.25E-04	1.66E-07	4.82E-08	5.36E-04	1.69E-07	4.92E-08	5.35E-04	1.69E-07	4.91E-08
3200	486363.09, 3846877.25	5.47E-04	1.73E-07	5.02E-08	5.58E-04	1.76E-07	5.12E-08	5.57E-04	1.76E-07	5.11E-08
3201	486863.09, 3846877.25	4.64E-04	1.46E-07	4.26E-08	4.74E-04	1.49E-07	4.35E-08	4.73E-04	1.49E-07	4.34E-08
3202	487363.09, 3846877.25	4.71E-04	1.49E-07	4.33E-08	4.81E-04	1.52E-07	4.41E-08	4.80E-04	1.52E-07	4.41E-08
3203	487863.09, 3846877.25	4.62E-04	1.46E-07	4.24E-08	4.72E-04	1.49E-07	4.33E-08	4.71E-04	1.49E-07	4.33E-08
3204	488363.09, 3846877.25	4.43E-04	1.40E-07	4.06E-08	4.52E-04	1.43E-07	4.15E-08	4.51E-04	1.42E-07	4.14E-08
3205	488863.09, 3846877.25	4.36E-04	1.38E-07	4.01E-08	4.45E-04	1.41E-07	4.09E-08	4.45E-04	1.40E-07	4.08E-08
3206	489363.09, 3846877.25	4.29E-04	1.35E-07	3.94E-08	4.37E-04	1.38E-07	4.02E-08	4.37E-04	1.38E-07	4.01E-08
3207	489863.09, 3846877.25	4.02E-04	1.27E-07	3.69E-08	4.10E-04	1.30E-07	3.77E-08	4.10E-04	1.29E-07	3.76E-08
3208	490363.09, 3846877.25	3.37E-04	1.06E-07	3.09E-08	3.43E-04	1.08E-07	3.15E-08	3.43E-04	1.08E-07	3.15E-08
3209	490863.09, 3846877.25	3.17E-04	1.00E-07	2.91E-08	3.24E-04	1.02E-07	2.97E-08	3.23E-04	1.02E-07	2.97E-08
3210	491363.09, 3846877.25	3.12E-04	9.84E-08	2.86E-08	3.18E-04	1.00E-07	2.92E-08	3.18E-04	1.00E-07	2.92E-08
3211	491863.09, 3846877.25	2.88E-04	9.10E-08	2.65E-08	2.94E-04	9.29E-08	2.70E-08	2.94E-04	9.28E-08	2.70E-08
3212	492363.09, 3846877.25	3.31E-04	1.04E-07	3.04E-08	3.38E-04	1.07E-07	3.10E-08	3.37E-04	1.06E-07	3.10E-08
3213	492863.09, 3846877.25	3.31E-04	1.04E-07	3.04E-08	3.37E-04	1.06E-07	3.10E-08	3.37E-04	1.06E-07	3.09E-08
3214	493363.09, 3846877.25	3.42E-04	1.08E-07	3.14E-08	3.48E-04	1.10E-07	3.20E-08	3.48E-04	1.10E-07	3.20E-08
3215	493863.09, 3846877.25	3.46E-04	1.09E-07	3.17E-08	3.53E-04	1.11E-07	3.24E-08	3.52E-04	1.11E-07	3.23E-08
3216	494363.09, 3846877.25	3.43E-04	1.08E-07	3.15E-08	3.50E-04	1.11E-07	3.22E-08	3.50E-04	1.10E-07	3.21E-08
3217	494863.09, 3846877.25	3.44E-04	1.09E-07	3.16E-08	3.51E-04	1.11E-07	3.23E-08	3.51E-04	1.11E-07	3.22E-08
3218	495363.09, 3846877.25	3.44E-04	1.09E-07	3.16E-08	3.51E-04	1.11E-07	3.22E-08	3.51E-04	1.11E-07	3.22E-08
3219	495863.09, 3846877.25	3.44E-04	1.09E-07	3.16E-08	3.51E-04	1.11E-07	3.22E-08	3.50E-04	1.11E-07	3.22E-08
3220	496363.09, 3846877.25	3.45E-04	1.09E-07	3.17E-08	3.52E-04	1.11E-07	3.24E-08	3.52E-04	1.11E-07	3.23E-08
3221	496863.09, 3846877.25	3.52E-04	1.11E-07	3.23E-08	3.59E-04	1.13E-07	3.30E-08	3.59E-04	1.13E-07	3.29E-08
3222	497363.09, 3846877.25	3.63E-04	1.15E-07	3.33E-08	3.70E-04	1.17E-07	3.40E-08	3.70E-04	1.17E-07	3.40E-08
3223	497863.09, 3846877.25	3.69E-04	1.16E-07	3.38E-08	3.76E-04	1.19E-07	3.45E-08	3.76E-04	1.19E-07	3.45E-08
3224	498363.09, 3846877.25	3.58E-04	1.13E-07	3.29E-08	3.66E-04	1.15E-07	3.36E-08	3.65E-04	1.15E-07	3.35E-08
3225	471363.09, 3847377.25	8.48E-04	2.68E-07	7.79E-08	8.65E-04	2.73E-07	7.94E-08	8.64E-04	2.73E-07	7.93E-08
3226	471863.09, 3847377.25	9.72E-04	3.07E-07	8.92E-08	9.92E-04	3.13E-07	9.10E-08	9.90E-04	3.13E-07	9.09E-08
3227	472363.09, 3847377.25	1.17E-03	3.69E-07	1.07E-07	1.19E-03	3.76E-07	1.09E-07	1.19E-03	3.76E-07	1.09E-07
3228	472863.09, 3847377.25	1.47E-03	4.65E-07	1.35E-07	1.50E-03	4.75E-07	1.38E-07	1.50E-03	4.74E-07	1.38E-07
3229	473363.09, 3847377.25	1.01E-03	3.20E-07	9.29E-08	1.03E-03	3.26E-07	9.48E-08	1.03E-03	3.26E-07	9.47E-08

3230	473863.09, 3847377.25	1.03E-03	3.24E-07	9.42E-08	1.05E-03	3.31E-07	9.61E-08	1.05E-03	3.30E-07	9.60E-08
3231	474363.09, 3847377.25	1.18E-03	3.73E-07	1.09E-07	1.21E-03	3.81E-07	1.11E-07	1.20E-03	3.80E-07	1.11E-07
3232	474863.09, 3847377.25	1.26E-03	3.99E-07	1.16E-07	1.29E-03	4.07E-07	1.18E-07	1.29E-03	4.07E-07	1.18E-07
3233	475363.09, 3847377.25	1.40E-03	4.43E-07	1.29E-07	1.43E-03	4.52E-07	1.31E-07	1.43E-03	4.51E-07	1.31E-07
3234	475863.09, 3847377.25	1.88E-03	5.95E-07	1.73E-07	1.92E-03	6.07E-07	1.76E-07	1.92E-03	6.06E-07	1.76E-07
3235	476363.09, 3847377.25	2.25E-03	7.09E-07	2.06E-07	2.29E-03	7.24E-07	2.10E-07	2.29E-03	7.23E-07	2.10E-07
3236	476863.09, 3847377.25	2.10E-03	6.63E-07	1.93E-07	2.14E-03	6.76E-07	1.97E-07	2.14E-03	6.76E-07	1.97E-07
3237	477363.09, 3847377.25	2.01E-03	6.35E-07	1.85E-07	2.05E-03	6.48E-07	1.88E-07	2.05E-03	6.47E-07	1.88E-07
3238	477863.09, 3847377.25	1.84E-03	5.82E-07	1.69E-07	1.88E-03	5.94E-07	1.73E-07	1.88E-03	5.93E-07	1.73E-07
3239	478363.09, 3847377.25	1.75E-03	5.51E-07	1.60E-07	1.78E-03	5.63E-07	1.64E-07	1.78E-03	5.62E-07	1.63E-07
3240	478863.09, 3847377.25	1.69E-03	5.32E-07	1.55E-07	1.72E-03	5.43E-07	1.58E-07	1.72E-03	5.43E-07	1.58E-07
3241	479363.09, 3847377.25	1.40E-03	4.43E-07	1.29E-07	1.43E-03	4.52E-07	1.31E-07	1.43E-03	4.51E-07	1.31E-07
3242	479863.09, 3847377.25	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
3243	480363.09, 3847377.25	8.19E-04	2.59E-07	7.52E-08	8.36E-04	2.64E-07	7.68E-08	8.35E-04	2.64E-07	7.67E-08
3244	480863.09, 3847377.25	7.37E-04	2.33E-07	6.77E-08	7.52E-04	2.37E-07	6.90E-08	7.51E-04	2.37E-07	6.90E-08
3245	481363.09, 3847377.25	8.05E-04	2.54E-07	7.39E-08	8.22E-04	2.59E-07	7.54E-08	8.21E-04	2.59E-07	7.54E-08
3246	481863.09, 3847377.25	9.65E-04	3.05E-07	8.86E-08	9.85E-04	3.11E-07	9.04E-08	9.84E-04	3.11E-07	9.03E-08
3247	482363.09, 3847377.25	9.24E-04	2.92E-07	8.48E-08	9.43E-04	2.98E-07	8.65E-08	9.42E-04	2.97E-07	8.64E-08
3248	482863.09, 3847377.25	8.57E-04	2.71E-07	7.87E-08	8.75E-04	2.76E-07	8.03E-08	8.74E-04	2.76E-07	8.02E-08
3249	483363.09, 3847377.25	7.95E-04	2.51E-07	7.30E-08	8.11E-04	2.56E-07	7.45E-08	8.10E-04	2.56E-07	7.44E-08
3250	483863.09, 3847377.25	7.73E-04	2.44E-07	7.10E-08	7.89E-04	2.49E-07	7.24E-08	7.88E-04	2.49E-07	7.23E-08
3251	484363.09, 3847377.25	7.95E-04	2.51E-07	7.30E-08	8.12E-04	2.56E-07	7.45E-08	8.11E-04	2.56E-07	7.44E-08
3252	484863.09, 3847377.25	7.56E-04	2.38E-07	6.94E-08	7.71E-04	2.43E-07	7.08E-08	7.70E-04	2.43E-07	7.07E-08
3253	485363.09, 3847377.25	7.35E-04	2.32E-07	6.75E-08	7.50E-04	2.37E-07	6.88E-08	7.49E-04	2.36E-07	6.88E-08
3254	485863.09, 3847377.25	7.31E-04	2.31E-07	6.71E-08	7.46E-04	2.36E-07	6.85E-08	7.45E-04	2.35E-07	6.84E-08
3255	486363.09, 3847377.25	7.24E-04	2.29E-07	6.65E-08	7.39E-04	2.33E-07	6.78E-08	7.38E-04	2.33E-07	6.77E-08
3256	486863.09, 3847377.25	6.42E-04	2.03E-07	5.89E-08	6.55E-04	2.07E-07	6.01E-08	6.54E-04	2.06E-07	6.00E-08
3257	487363.09, 3847377.25	6.38E-04	2.01E-07	5.86E-08	6.51E-04	2.05E-07	5.98E-08	6.50E-04	2.05E-07	5.97E-08
3258	487863.09, 3847377.25	5.80E-04	1.83E-07	5.33E-08	5.92E-04	1.87E-07	5.44E-08	5.92E-04	1.87E-07	5.43E-08
3259	488363.09, 3847377.25	5.55E-04	1.75E-07	5.10E-08	5.66E-04	1.79E-07	5.20E-08	5.66E-04	1.79E-07	5.19E-08
3260	488863.09, 3847377.25	5.40E-04	1.70E-07	4.95E-08	5.51E-04	1.74E-07	5.05E-08	5.50E-04	1.74E-07	5.05E-08
3261	489363.09, 3847377.25	5.25E-04	1.66E-07	4.82E-08	5.36E-04	1.69E-07	4.92E-08	5.35E-04	1.69E-07	4.92E-08
3262	489863.09, 3847377.25	4.77E-04	1.50E-07	4.38E-08	4.87E-04	1.54E-07	4.47E-08	4.86E-04	1.53E-07	4.46E-08
3263	490363.09, 3847377.25	4.32E-04	1.36E-07	3.97E-08	4.41E-04	1.39E-07	4.05E-08	4.40E-04	1.39E-07	4.04E-08
3264	490863.09, 3847377.25	4.17E-04	1.32E-07	3.83E-08	4.26E-04	1.34E-07	3.91E-08	4.25E-04	1.34E-07	3.90E-08
3265	491363.09, 3847377.25	3.97E-04	1.25E-07	3.64E-08	4.05E-04	1.28E-07	3.72E-08	4.05E-04	1.28E-07	3.71E-08
3266	491863.09, 3847377.25	4.14E-04	1.31E-07	3.80E-08	4.22E-04	1.33E-07	3.88E-08	4.22E-04	1.33E-07	3.87E-08
3267	492363.09, 3847377.25	3.94E-04	1.24E-07	3.62E-08	4.02E-04	1.27E-07	3.69E-08	4.02E-04	1.27E-07	3.69E-08
3268	492863.09, 3847377.25	3.98E-04	1.26E-07	3.65E-08	4.06E-04	1.28E-07	3.73E-08	4.06E-04	1.28E-07	3.72E-08
3269	493363.09, 3847377.25	3.95E-04	1.25E-07	3.62E-08	4.03E-04	1.27E-07	3.70E-08	4.02E-04	1.27E-07	3.69E-08
3270	493863.09, 3847377.25	3.77E-04	1.19E-07	3.46E-08	3.85E-04	1.21E-07	3.53E-08	3.84E-04	1.21E-07	3.53E-08
3271	494363.09, 3847377.25	3.62E-04	1.14E-07	3.32E-08	3.70E-04	1.17E-07	3.39E-08	3.69E-04	1.16E-07	3.39E-08
3272	494863.09, 3847377.25	3.55E-04	1.12E-07	3.26E-08	3.63E-04	1.14E-07	3.33E-08	3.62E-04	1.14E-07	3.33E-08
3273	495363.09, 3847377.25	3.49E-04	1.10E-07	3.20E-08	3.56E-04	1.12E-07	3.27E-08	3.56E-04	1.12E-07	3.26E-08
3274	495863.09, 3847377.25	3.49E-04	1.10E-07	3.20E-08	3.56E-04	1.12E-07	3.27E-08	3.55E-04	1.12E-07	3.26E-08
3275	496363.09, 3847377.25	3.46E-04	1.09E-07	3.18E-08	3.53E-04	1.11E-07	3.24E-08	3.53E-04	1.11E-07	3.24E-08
3276	496863.09, 3847377.25	3.56E-04	1.12E-07	3.27E-08	3.64E-04	1.15E-07	3.34E-08	3.63E-04	1.15E-07	3.33E-08
3277	497363.09, 3847377.25	3.74E-04	1.18E-07	3.44E-08	3.82E-04	1.21E-07	3.51E-08	3.81E-04	1.20E-07	3.50E-08
3278	497863.09, 3847377.25	3.97E-04	1.25E-07	3.64E-08	4.05E-04	1.28E-07	3.72E-08	4.05E-04	1.28E-07	3.71E-08
3279	498363.09, 3847377.25	3.93E-04	1.24E-07	3.61E-08	4.01E-04	1.27E-07	3.68E-08	4.01E-04	1.26E-07	3.68E-08
3280	471363.09, 3847877.25	1.01E-03	3.20E-07	9.32E-08	1.04E-03	3.27E-07	9.51E-08	1.03E-03	3.26E-07	9.50E-08
3281	471863.09, 3847877.25	1.20E-03	3.80E-07	1.11E-07	1.23E-03	3.88E-07	1.13E-07	1.23E-03	3.88E-07	1.13E-07
3282	472363.09, 3847877.25	1.47E-03	4.65E-07	1.35E-07	1.50E-03	4.75E-07	1.38E-07	1.50E-03	4.74E-07	1.38E-07
3283	472863.09, 3847877.25	1.96E-03	6.19E-07	1.80E-07	2.00E-03	6.32E-07	1.84E-07	2.00E-03	6.31E-07	1.84E-07
3284	473363.09, 3847877.25	3.21E-03	1.01E-06	2.94E-07	3.27E-03	1.03E-06	3.00E-07	3.27E-03	1.03E-06	3.00E-07
3285	473863.09, 3847877.25	1.97E-02	6.22E-06	1.81E-06	2.01E-02	6.35E-06	1.85E-06	2.01E-02	6.34E-06	1.84E-06
3286	474363.09, 3847877.25	8.70E-03	2.75E-06	7.99E-07	8.88E-03	2.80E-06	8.15E-07	8.87E-03	2.80E-06	8.14E-07
3287	474863.09, 3847877.25	7.15E-03	2.26E-06	6.56E-07	7.30E-03	2.30E-06	6.70E-07	7.29E-03	2.30E-06	6.69E-07
3288	475363.09, 3847877.25	4.94E-03	1.56E-06	4.54E-07	5.04E-03	1.59E-06	4.63E-07	5.04E-03	1.59E-06	4.62E-07
3289	475863.09, 3847877.25	3.87E-03	1.22E-06	3.55E-07	3.95E-03	1.25E-06	3.63E-07	3.94E-03	1.25E-06	3.62E-07
3290	476363.09, 3847877.25	4.38E-03	1.38E-06	4.02E-07	4.47E-03	1.41E-06	4.10E-07	4.46E-03	1.41E-06	4.10E-07

3291	476863.09, 3847877.25	3.96E-03	1.25E-06	3.63E-07	4.04E-03	1.27E-06	3.71E-07	4.03E-03	1.27E-06	3.70E-07
3292	477363.09, 3847877.25	3.53E-03	1.11E-06	3.24E-07	3.60E-03	1.14E-06	3.31E-07	3.60E-03	1.14E-06	3.30E-07
3293	477863.09, 3847877.25	3.17E-03	9.99E-07	2.91E-07	3.23E-03	1.02E-06	2.97E-07	3.23E-03	1.02E-06	2.96E-07
3294	478363.09, 3847877.25	2.83E-03	8.93E-07	2.60E-07	2.89E-03	9.12E-07	2.65E-07	2.88E-03	9.10E-07	2.65E-07
3295	478863.09, 3847877.25	2.59E-03	8.18E-07	2.38E-07	2.64E-03	8.35E-07	2.43E-07	2.64E-03	8.34E-07	2.42E-07
3296	479363.09, 3847877.25	1.92E-03	6.06E-07	1.76E-07	1.96E-03	6.19E-07	1.80E-07	1.96E-03	6.18E-07	1.80E-07
3297	479863.09, 3847877.25	1.23E-03	3.89E-07	1.13E-07	1.26E-03	3.97E-07	1.16E-07	1.26E-03	3.97E-07	1.15E-07
3298	480363.09, 3847877.25	1.26E-03	3.97E-07	1.15E-07	1.28E-03	4.05E-07	1.18E-07	1.28E-03	4.05E-07	1.18E-07
3299	480863.09, 3847877.25	1.11E-03	3.49E-07	1.02E-07	1.13E-03	3.56E-07	1.04E-07	1.13E-03	3.56E-07	1.04E-07
3300	481363.09, 3847877.25	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
3301	481863.09, 3847877.25	1.36E-03	4.31E-07	1.25E-07	1.39E-03	4.39E-07	1.28E-07	1.39E-03	4.39E-07	1.28E-07
3302	482363.09, 3847877.25	1.27E-03	4.00E-07	1.16E-07	1.29E-03	4.08E-07	1.19E-07	1.29E-03	4.07E-07	1.18E-07
3303	482863.09, 3847877.25	1.14E-03	3.61E-07	1.05E-07	1.17E-03	3.68E-07	1.07E-07	1.17E-03	3.68E-07	1.07E-07
3304	483363.09, 3847877.25	1.06E-03	3.36E-07	9.78E-08	1.09E-03	3.43E-07	9.98E-08	1.09E-03	3.43E-07	9.96E-08
3305	483863.09, 3847877.25	1.03E-03	3.26E-07	9.48E-08	1.05E-03	3.32E-07	9.67E-08	1.05E-03	3.32E-07	9.66E-08
3306	484363.09, 3847877.25	1.04E-03	3.28E-07	9.53E-08	1.06E-03	3.34E-07	9.72E-08	1.06E-03	3.34E-07	9.71E-08
3307	484863.09, 3847877.25	9.96E-04	3.14E-07	9.14E-08	1.02E-03	3.21E-07	9.33E-08	1.01E-03	3.20E-07	9.32E-08
3308	485363.09, 3847877.25	9.83E-04	3.10E-07	9.03E-08	1.00E-03	3.17E-07	9.21E-08	1.00E-03	3.16E-07	9.20E-08
3309	485863.09, 3847877.25	9.70E-04	3.06E-07	8.90E-08	9.90E-04	3.12E-07	9.08E-08	9.88E-04	3.12E-07	9.07E-08
3310	486363.09, 3847877.25	8.92E-04	2.81E-07	8.19E-08	9.10E-04	2.87E-07	8.35E-08	9.09E-04	2.87E-07	8.34E-08
3311	486863.09, 3847877.25	8.30E-04	2.62E-07	7.62E-08	8.47E-04	2.67E-07	7.77E-08	8.46E-04	2.67E-07	7.76E-08
3312	487363.09, 3847877.25	7.85E-04	2.48E-07	7.21E-08	8.01E-04	2.53E-07	7.36E-08	8.00E-04	2.53E-07	7.35E-08
3313	487863.09, 3847877.25	7.20E-04	2.27E-07	6.61E-08	7.35E-04	2.32E-07	6.75E-08	7.34E-04	2.32E-07	6.74E-08
3314	488363.09, 3847877.25	6.84E-04	2.16E-07	6.28E-08	6.98E-04	2.20E-07	6.40E-08	6.97E-04	2.20E-07	6.40E-08
3315	488863.09, 3847877.25	6.62E-04	2.09E-07	6.07E-08	6.75E-04	2.13E-07	6.20E-08	6.74E-04	2.13E-07	6.19E-08
3316	489363.09, 3847877.25	6.40E-04	2.02E-07	5.88E-08	6.53E-04	2.06E-07	6.00E-08	6.53E-04	2.06E-07	5.99E-08
3317	489863.09, 3847877.25	6.43E-04	2.03E-07	5.91E-08	6.56E-04	2.07E-07	6.03E-08	6.56E-04	2.07E-07	6.02E-08
3318	490363.09, 3847877.25	6.12E-04	1.93E-07	5.62E-08	6.25E-04	1.97E-07	5.73E-08	6.24E-04	1.97E-07	5.73E-08
3319	490863.09, 3847877.25	5.70E-04	1.80E-07	5.23E-08	5.81E-04	1.83E-07	5.34E-08	5.81E-04	1.83E-07	5.33E-08
3320	491363.09, 3847877.25	5.10E-04	1.61E-07	4.68E-08	5.20E-04	1.64E-07	4.78E-08	5.20E-04	1.64E-07	4.77E-08
3321	491863.09, 3847877.25	4.90E-04	1.55E-07	4.50E-08	5.00E-04	1.58E-07	4.59E-08	5.00E-04	1.58E-07	4.59E-08
3322	492363.09, 3847877.25	4.78E-04	1.51E-07	4.39E-08	4.88E-04	1.54E-07	4.48E-08	4.87E-04	1.54E-07	4.47E-08
3323	492863.09, 3847877.25	4.59E-04	1.45E-07	4.22E-08	4.69E-04	1.48E-07	4.30E-08	4.68E-04	1.48E-07	4.30E-08
3324	493363.09, 3847877.25	4.15E-04	1.31E-07	3.81E-08	4.24E-04	1.34E-07	3.89E-08	4.23E-04	1.34E-07	3.89E-08
3325	493863.09, 3847877.25	3.86E-04	1.22E-07	3.54E-08	3.94E-04	1.24E-07	3.62E-08	3.93E-04	1.24E-07	3.61E-08
3326	494363.09, 3847877.25	3.71E-04	1.17E-07	3.40E-08	3.78E-04	1.19E-07	3.47E-08	3.78E-04	1.19E-07	3.47E-08
3327	494863.09, 3847877.25	3.62E-04	1.14E-07	3.33E-08	3.70E-04	1.17E-07	3.40E-08	3.69E-04	1.17E-07	3.39E-08
3328	495363.09, 3847877.25	3.44E-04	1.09E-07	3.16E-08	3.51E-04	1.11E-07	3.22E-08	3.51E-04	1.11E-07	3.22E-08
3329	495863.09, 3847877.25	2.90E-04	9.16E-08	2.66E-08	2.96E-04	9.35E-08	2.72E-08	2.96E-04	9.34E-08	2.72E-08
3330	496363.09, 3847877.25	3.40E-04	1.07E-07	3.12E-08	3.47E-04	1.09E-07	3.18E-08	3.46E-04	1.09E-07	3.18E-08
3331	496863.09, 3847877.25	3.49E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
3332	497363.09, 3847877.25	3.68E-04	1.16E-07	3.38E-08	3.76E-04	1.19E-07	3.45E-08	3.75E-04	1.18E-07	3.45E-08
3333	497863.09, 3847877.25	4.19E-04	1.32E-07	3.85E-08	4.28E-04	1.35E-07	3.93E-08	4.27E-04	1.35E-07	3.92E-08
3334	498363.09, 3847877.25	4.26E-04	1.35E-07	3.91E-08	4.35E-04	1.37E-07	3.99E-08	4.35E-04	1.37E-07	3.99E-08
3335	471363.09, 3848377.25	1.08E-03	3.41E-07	9.92E-08	1.10E-03	3.48E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
3336	471863.09, 3848377.25	1.31E-03	4.15E-07	1.21E-07	1.34E-03	4.23E-07	1.23E-07	1.34E-03	4.23E-07	1.23E-07
3337	472363.09, 3848377.25	1.67E-03	5.27E-07	1.53E-07	1.71E-03	5.38E-07	1.57E-07	1.70E-03	5.38E-07	1.56E-07
3338	472863.09, 3848377.25	2.27E-03	7.17E-07	2.09E-07	2.32E-03	7.32E-07	2.13E-07	2.32E-03	7.31E-07	2.13E-07
3339	473363.09, 3848377.25	3.41E-03	1.08E-06	3.13E-07	3.48E-03	1.10E-06	3.19E-07	3.48E-03	1.10E-06	3.19E-07
3340	473863.09, 3848377.25	6.27E-03	1.98E-06	5.76E-07	6.40E-03	2.02E-06	5.88E-07	6.39E-03	2.02E-06	5.87E-07
3341	474363.09, 3848377.25	2.27E-02	7.17E-06	2.09E-06	2.32E-02	7.32E-06	2.13E-06	2.32E-02	7.31E-06	2.13E-06
3342	474863.09, 3848377.25	2.11E-02	6.66E-06	1.94E-06	2.15E-02	6.80E-06	1.98E-06	2.15E-02	6.79E-06	1.97E-06
3343	475363.09, 3848377.25	1.44E-02	4.56E-06	1.33E-06	1.47E-02	4.65E-06	1.35E-06	1.47E-02	4.65E-06	1.35E-06
3344	475863.09, 3848377.25	8.79E-03	2.77E-06	8.07E-07	8.97E-03	2.83E-06	8.23E-07	8.96E-03	2.83E-06	8.22E-07
3345	476363.09, 3848377.25	6.12E-03	1.93E-06	5.62E-07	6.24E-03	1.97E-06	5.73E-07	6.24E-03	1.97E-06	5.72E-07
3346	476863.09, 3848377.25	6.56E-03	2.07E-06	6.03E-07	6.70E-03	2.11E-06	6.15E-07	6.69E-03	2.11E-06	6.14E-07
3347	477363.09, 3848377.25	5.66E-03	1.79E-06	5.19E-07	5.77E-03	1.82E-06	5.30E-07	5.77E-03	1.82E-06	5.29E-07
3348	477863.09, 3848377.25	5.10E-03	1.61E-06	4.68E-07	5.21E-03	1.64E-06	4.78E-07	5.20E-03	1.64E-06	4.77E-07
3349	478363.09, 3848377.25	4.49E-03	1.42E-06	4.12E-07	4.58E-03	1.44E-06	4.20E-07	4.57E-03	1.44E-06	4.20E-07
3350	478863.09, 3848377.25	3.81E-03	1.20E-06	3.49E-07	3.88E-03	1.23E-06	3.57E-07	3.88E-03	1.22E-06	3.56E-07
3351	479363.09, 3848377.25	2.85E-03	8.99E-07	2.62E-07	2.91E-03	9.17E-07	2.67E-07	2.90E-03	9.16E-07	2.67E-07

3352	479863.09, 3848377.25	1.21E-03	3.82E-07	1.11E-07	1.24E-03	3.90E-07	1.13E-07	1.23E-03	3.89E-07	1.13E-07
3353	480363.09, 3848377.25	1.60E-03	5.05E-07	1.47E-07	1.63E-03	5.15E-07	1.50E-07	1.63E-03	5.15E-07	1.50E-07
3354	480863.09, 3848377.25	1.97E-03	6.23E-07	1.81E-07	2.01E-03	6.35E-07	1.85E-07	2.01E-03	6.35E-07	1.85E-07
3355	481363.09, 3848377.25	1.88E-03	5.94E-07	1.73E-07	1.92E-03	6.06E-07	1.76E-07	1.92E-03	6.06E-07	1.76E-07
3356	481863.09, 3848377.25	1.85E-03	5.83E-07	1.69E-07	1.88E-03	5.95E-07	1.73E-07	1.88E-03	5.94E-07	1.73E-07
3357	482363.09, 3848377.25	1.76E-03	5.55E-07	1.61E-07	1.80E-03	5.67E-07	1.65E-07	1.79E-03	5.66E-07	1.65E-07
3358	482863.09, 3848377.25	1.55E-03	4.88E-07	1.42E-07	1.58E-03	4.98E-07	1.45E-07	1.58E-03	4.97E-07	1.45E-07
3359	483363.09, 3848377.25	1.44E-03	4.56E-07	1.33E-07	1.47E-03	4.65E-07	1.35E-07	1.47E-03	4.64E-07	1.35E-07
3360	483863.09, 3848377.25	1.31E-03	4.12E-07	1.20E-07	1.33E-03	4.21E-07	1.22E-07	1.33E-03	4.20E-07	1.22E-07
3361	484363.09, 3848377.25	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.29E-03	4.08E-07	1.19E-07
3362	484863.09, 3848377.25	1.30E-03	4.11E-07	1.19E-07	1.33E-03	4.19E-07	1.22E-07	1.33E-03	4.19E-07	1.22E-07
3363	485363.09, 3848377.25	1.25E-03	3.93E-07	1.14E-07	1.27E-03	4.01E-07	1.17E-07	1.27E-03	4.01E-07	1.17E-07
3364	485863.09, 3848377.25	1.20E-03	3.79E-07	1.10E-07	1.23E-03	3.87E-07	1.12E-07	1.22E-03	3.86E-07	1.12E-07
3365	486363.09, 3848377.25	1.12E-03	3.54E-07	1.03E-07	1.14E-03	3.61E-07	1.05E-07	1.14E-03	3.61E-07	1.05E-07
3366	486863.09, 3848377.25	1.03E-03	3.25E-07	9.45E-08	1.05E-03	3.32E-07	9.65E-08	1.05E-03	3.31E-07	9.64E-08
3367	487363.09, 3848377.25	9.22E-04	2.91E-07	8.46E-08	9.41E-04	2.97E-07	8.64E-08	9.40E-04	2.97E-07	8.63E-08
3368	487863.09, 3848377.25	8.80E-04	2.78E-07	8.08E-08	8.98E-04	2.83E-07	8.25E-08	8.97E-04	2.83E-07	8.24E-08
3369	488363.09, 3848377.25	8.34E-04	2.63E-07	7.66E-08	8.51E-04	2.69E-07	7.81E-08	8.50E-04	2.68E-07	7.81E-08
3370	488863.09, 3848377.25	7.99E-04	2.52E-07	7.33E-08	8.15E-04	2.57E-07	7.48E-08	8.14E-04	2.57E-07	7.47E-08
3371	489363.09, 3848377.25	7.76E-04	2.45E-07	7.12E-08	7.91E-04	2.50E-07	7.27E-08	7.90E-04	2.49E-07	7.26E-08
3372	489863.09, 3848377.25	7.77E-04	2.45E-07	7.14E-08	7.93E-04	2.50E-07	7.28E-08	7.92E-04	2.50E-07	7.27E-08
3373	490363.09, 3848377.25	7.33E-04	2.31E-07	6.73E-08	7.48E-04	2.36E-07	6.87E-08	7.47E-04	2.36E-07	6.86E-08
3374	490863.09, 3848377.25	6.67E-04	2.11E-07	6.12E-08	6.81E-04	2.15E-07	6.25E-08	6.80E-04	2.15E-07	6.24E-08
3375	491363.09, 3848377.25	6.15E-04	1.94E-07	5.65E-08	6.28E-04	1.98E-07	5.76E-08	6.27E-04	1.98E-07	5.75E-08
3376	491863.09, 3848377.25	5.76E-04	1.82E-07	5.29E-08	5.88E-04	1.86E-07	5.40E-08	5.87E-04	1.85E-07	5.39E-08
3377	492363.09, 3848377.25	5.14E-04	1.62E-07	4.72E-08	5.24E-04	1.65E-07	4.81E-08	5.23E-04	1.65E-07	4.81E-08
3378	492863.09, 3848377.25	4.51E-04	1.42E-07	4.14E-08	4.60E-04	1.45E-07	4.22E-08	4.59E-04	1.45E-07	4.22E-08
3379	493363.09, 3848377.25	4.19E-04	1.32E-07	3.85E-08	4.28E-04	1.35E-07	3.93E-08	4.27E-04	1.35E-07	3.92E-08
3380	493863.09, 3848377.25	3.91E-04	1.23E-07	3.59E-08	3.99E-04	1.26E-07	3.66E-08	3.98E-04	1.26E-07	3.66E-08
3381	494363.09, 3848377.25	3.65E-04	1.15E-07	3.35E-08	3.73E-04	1.18E-07	3.42E-08	3.72E-04	1.18E-07	3.42E-08
3382	494863.09, 3848377.25	3.60E-04	1.14E-07	3.31E-08	3.67E-04	1.16E-07	3.37E-08	3.67E-04	1.16E-07	3.37E-08
3383	495363.09, 3848377.25	3.19E-04	1.01E-07	2.93E-08	3.25E-04	1.03E-07	2.99E-08	3.25E-04	1.03E-07	2.98E-08
3384	495863.09, 3848377.25	3.06E-04	9.66E-08	2.81E-08	3.12E-04	9.86E-08	2.87E-08	3.12E-04	9.85E-08	2.86E-08
3385	496363.09, 3848377.25	3.24E-04	1.02E-07	2.97E-08	3.30E-04	1.04E-07	3.03E-08	3.30E-04	1.04E-07	3.03E-08
3386	496863.09, 3848377.25	3.06E-04	9.65E-08	2.81E-08	3.12E-04	9.85E-08	2.87E-08	3.12E-04	9.84E-08	2.86E-08
3387	497363.09, 3848377.25	3.39E-04	1.07E-07	3.12E-08	3.46E-04	1.09E-07	3.18E-08	3.46E-04	1.09E-07	3.18E-08
3388	497863.09, 3848377.25	4.53E-04	1.43E-07	4.16E-08	4.63E-04	1.46E-07	4.25E-08	4.62E-04	1.46E-07	4.24E-08
3389	498363.09, 3848377.25	4.50E-04	1.42E-07	4.13E-08	4.59E-04	1.45E-07	4.22E-08	4.59E-04	1.45E-07	4.21E-08
3390	471363.09, 3848877.25	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
3391	471863.09, 3848877.25	1.33E-03	4.19E-07	1.22E-07	1.35E-03	4.27E-07	1.24E-07	1.35E-03	4.27E-07	1.24E-07
3392	472363.09, 3848877.25	1.65E-03	5.22E-07	1.52E-07	1.69E-03	5.33E-07	1.55E-07	1.69E-03	5.32E-07	1.55E-07
3393	472863.09, 3848877.25	2.14E-03	6.75E-07	1.96E-07	2.18E-03	6.88E-07	2.00E-07	2.18E-03	6.88E-07	2.00E-07
3394	473363.09, 3848877.25	2.92E-03	9.22E-07	2.68E-07	2.98E-03	9.41E-07	2.74E-07	2.98E-03	9.40E-07	2.73E-07
3395	473863.09, 3848877.25	4.27E-03	1.35E-06	3.92E-07	4.36E-03	1.38E-06	4.00E-07	4.36E-03	1.37E-06	4.00E-07
3396	474363.09, 3848877.25	6.79E-03	2.14E-06	6.23E-07	6.93E-03	2.19E-06	6.36E-07	6.92E-03	2.18E-06	6.35E-07
3397	474863.09, 3848877.25	1.92E-02	6.08E-06	1.77E-06	1.96E-02	6.20E-06	1.80E-06	1.96E-02	6.19E-06	1.80E-06
3398	475363.09, 3848877.25	3.79E-02	1.20E-05	3.48E-06	3.87E-02	1.22E-05	3.55E-06	3.87E-02	1.22E-05	3.55E-06
3399	475863.09, 3848877.25	2.10E-02	6.63E-06	1.93E-06	2.14E-02	6.76E-06	1.97E-06	2.14E-02	6.75E-06	1.96E-06
3400	476363.09, 3848877.25	1.46E-02	4.60E-06	1.34E-06	1.49E-02	4.70E-06	1.37E-06	1.49E-02	4.69E-06	1.36E-06
3401	476863.09, 3848877.25	1.11E-02	3.49E-06	1.02E-06	1.13E-02	3.56E-06	1.04E-06	1.13E-02	3.56E-06	1.04E-06
3402	477363.09, 3848877.25	1.10E-02	3.48E-06	1.01E-06	1.13E-02	3.55E-06	1.03E-06	1.12E-02	3.55E-06	1.03E-06
3403	477863.09, 3848877.25	8.94E-03	2.82E-06	8.21E-07	9.12E-03	2.88E-06	8.37E-07	9.11E-03	2.88E-06	8.36E-07
3404	478363.09, 3848877.25	7.58E-03	2.39E-06	6.95E-07	7.73E-03	2.44E-06	7.10E-07	7.72E-03	2.44E-06	7.09E-07
3405	478863.09, 3848877.25	6.14E-03	1.94E-06	5.64E-07	6.27E-03	1.98E-06	5.76E-07	6.26E-03	1.98E-06	5.75E-07
3406	479363.09, 3848877.25	4.77E-03	1.51E-06	4.38E-07	4.87E-03	1.54E-06	4.47E-07	4.86E-03	1.53E-06	4.46E-07
3407	479863.09, 3848877.25	3.67E-03	1.16E-06	3.37E-07	3.74E-03	1.18E-06	3.43E-07	3.74E-03	1.18E-06	3.43E-07
3408	480363.09, 3848877.25	3.43E-03	1.08E-06	3.14E-07	3.50E-03	1.10E-06	3.21E-07	3.49E-03	1.10E-06	3.20E-07
3409	480863.09, 3848877.25	3.21E-03	1.01E-06	2.95E-07	3.28E-03	1.03E-06	3.01E-07	3.27E-03	1.03E-06	3.01E-07
3410	481363.09, 3848877.25	2.85E-03	8.99E-07	2.62E-07	2.91E-03	9.18E-07	2.67E-07	2.90E-03	9.17E-07	2.67E-07
3411	481863.09, 3848877.25	2.42E-03	7.65E-07	2.22E-07	2.47E-03	7.80E-07	2.27E-07	2.47E-03	7.79E-07	2.27E-07
3412	482363.09, 3848877.25	2.01E-03	6.34E-07	1.84E-07	2.05E-03	6.47E-07	1.88E-07	2.05E-03	6.46E-07	1.88E-07

3413	482863.09, 3848877.25	1.69E-03	5.34E-07	1.55E-07	1.73E-03	5.45E-07	1.59E-07	1.73E-03	5.45E-07	1.58E-07
3414	483363.09, 3848877.25	1.47E-03	4.64E-07	1.35E-07	1.50E-03	4.73E-07	1.38E-07	1.50E-03	4.73E-07	1.37E-07
3415	483863.09, 3848877.25	1.39E-03	4.38E-07	1.27E-07	1.42E-03	4.47E-07	1.30E-07	1.42E-03	4.47E-07	1.30E-07
3416	484363.09, 3848877.25	1.53E-03	4.84E-07	1.41E-07	1.57E-03	4.94E-07	1.44E-07	1.56E-03	4.94E-07	1.44E-07
3417	484863.09, 3848877.25	1.65E-03	5.19E-07	1.51E-07	1.68E-03	5.30E-07	1.54E-07	1.68E-03	5.29E-07	1.54E-07
3418	485363.09, 3848877.25	1.55E-03	4.90E-07	1.43E-07	1.59E-03	5.00E-07	1.46E-07	1.58E-03	5.00E-07	1.45E-07
3419	485863.09, 3848877.25	1.47E-03	4.64E-07	1.35E-07	1.50E-03	4.73E-07	1.38E-07	1.50E-03	4.72E-07	1.37E-07
3420	486363.09, 3848877.25	1.33E-03	4.20E-07	1.22E-07	1.36E-03	4.28E-07	1.25E-07	1.36E-03	4.28E-07	1.24E-07
3421	486863.09, 3848877.25	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.82E-07	1.11E-07	1.21E-03	3.82E-07	1.11E-07
3422	487363.09, 3848877.25	1.14E-03	3.61E-07	1.05E-07	1.17E-03	3.68E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
3423	487863.09, 3848877.25	1.06E-03	3.35E-07	9.75E-08	1.08E-03	3.42E-07	9.95E-08	1.08E-03	3.42E-07	9.94E-08
3424	488363.09, 3848877.25	1.01E-03	3.19E-07	9.28E-08	1.03E-03	3.26E-07	9.47E-08	1.03E-03	3.25E-07	9.46E-08
3425	488863.09, 3848877.25	9.50E-04	3.00E-07	8.72E-08	9.69E-04	3.06E-07	8.90E-08	9.68E-04	3.06E-07	8.89E-08
3426	489363.09, 3848877.25	9.22E-04	2.91E-07	8.47E-08	9.41E-04	2.97E-07	8.64E-08	9.40E-04	2.97E-07	8.63E-08
3427	489863.09, 3848877.25	8.97E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
3428	490363.09, 3848877.25	8.17E-04	2.58E-07	7.50E-08	8.34E-04	2.63E-07	7.65E-08	8.33E-04	2.63E-07	7.65E-08
3429	490863.09, 3848877.25	7.40E-04	2.34E-07	6.80E-08	7.56E-04	2.38E-07	6.94E-08	7.55E-04	2.38E-07	6.93E-08
3430	491363.09, 3848877.25	6.90E-04	2.18E-07	6.33E-08	7.04E-04	2.22E-07	6.46E-08	7.03E-04	2.22E-07	6.45E-08
3431	491863.09, 3848877.25	6.06E-04	1.91E-07	5.56E-08	6.18E-04	1.95E-07	5.68E-08	6.18E-04	1.95E-07	5.67E-08
3432	492363.09, 3848877.25	5.27E-04	1.66E-07	4.84E-08	5.38E-04	1.70E-07	4.94E-08	5.37E-04	1.70E-07	4.93E-08
3433	492863.09, 3848877.25	4.47E-04	1.41E-07	4.10E-08	4.56E-04	1.44E-07	4.18E-08	4.55E-04	1.44E-07	4.18E-08
3434	493363.09, 3848877.25	3.77E-04	1.19E-07	3.46E-08	3.84E-04	1.21E-07	3.53E-08	3.84E-04	1.21E-07	3.52E-08
3435	493863.09, 3848877.25	3.72E-04	1.17E-07	3.41E-08	3.79E-04	1.20E-07	3.48E-08	3.79E-04	1.20E-07	3.48E-08
3436	494363.09, 3848877.25	3.54E-04	1.12E-07	3.25E-08	3.61E-04	1.14E-07	3.32E-08	3.61E-04	1.14E-07	3.31E-08
3437	494863.09, 3848877.25	3.57E-04	1.13E-07	3.28E-08	3.65E-04	1.15E-07	3.35E-08	3.64E-04	1.15E-07	3.34E-08
3438	495363.09, 3848877.25	3.52E-04	1.11E-07	3.24E-08	3.60E-04	1.13E-07	3.30E-08	3.59E-04	1.13E-07	3.30E-08
3439	495863.09, 3848877.25	3.06E-04	9.64E-08	2.81E-08	3.12E-04	9.84E-08	2.86E-08	3.11E-04	9.83E-08	2.86E-08
3440	496363.09, 3848877.25	3.02E-04	9.52E-08	2.77E-08	3.08E-04	9.72E-08	2.83E-08	3.08E-04	9.71E-08	2.82E-08
3441	496863.09, 3848877.25	3.35E-04	1.06E-07	3.08E-08	3.42E-04	1.08E-07	3.14E-08	3.42E-04	1.08E-07	3.14E-08
3442	497363.09, 3848877.25	4.25E-04	1.34E-07	3.90E-08	4.34E-04	1.37E-07	3.98E-08	4.33E-04	1.37E-07	3.98E-08
3443	497863.09, 3848877.25	4.55E-04	1.44E-07	4.18E-08	4.65E-04	1.47E-07	4.26E-08	4.64E-04	1.46E-07	4.26E-08
3444	498363.09, 3848877.25	4.72E-04	1.49E-07	4.33E-08	4.81E-04	1.52E-07	4.42E-08	4.81E-04	1.52E-07	4.41E-08
3445	471363.09, 3849377.25	1.06E-03	3.34E-07	9.72E-08	1.08E-03	3.41E-07	9.92E-08	1.08E-03	3.40E-07	9.90E-08
3446	471863.09, 3849377.25	1.28E-03	4.03E-07	1.17E-07	1.30E-03	4.11E-07	1.20E-07	1.30E-03	4.11E-07	1.19E-07
3447	472363.09, 3849377.25	1.54E-03	4.85E-07	1.41E-07	1.57E-03	4.95E-07	1.44E-07	1.57E-03	4.94E-07	1.44E-07
3448	472863.09, 3849377.25	1.91E-03	6.01E-07	1.75E-07	1.94E-03	6.14E-07	1.79E-07	1.94E-03	6.13E-07	1.78E-07
3449	473363.09, 3849377.25	2.44E-03	7.71E-07	2.24E-07	2.49E-03	7.87E-07	2.29E-07	2.49E-03	7.86E-07	2.29E-07
3450	473863.09, 3849377.25	3.20E-03	1.01E-06	2.94E-07	3.26E-03	1.03E-06	3.00E-07	3.26E-03	1.03E-06	2.99E-07
3451	474363.09, 3849377.25	4.30E-03	1.36E-06	3.95E-07	4.39E-03	1.39E-06	4.03E-07	4.39E-03	1.38E-06	4.03E-07
3452	474863.09, 3849377.25	6.16E-03	1.95E-06	5.66E-07	6.29E-03	1.98E-06	5.77E-07	6.28E-03	1.98E-06	5.77E-07
3453	475363.09, 3849377.25	1.02E-02	3.23E-06	9.39E-07	1.04E-02	3.30E-06	9.59E-07	1.04E-02	3.29E-06	9.58E-07
3454	475863.09, 3849377.25	1.77E-02	5.60E-06	1.63E-06	1.81E-02	5.71E-06	1.66E-06	1.81E-02	5.71E-06	1.66E-06
3455	476363.09, 3849377.25	3.29E-02	1.04E-05	3.02E-06	3.36E-02	1.06E-05	3.09E-06	3.36E-02	1.06E-05	3.08E-06
3456	476863.09, 3849377.25	7.30E-02	2.30E-05	6.70E-06	7.45E-02	2.35E-05	6.84E-06	7.44E-02	2.35E-05	6.83E-06
3457	477363.09, 3849377.25	2.63E-02	8.30E-06	2.42E-06	2.68E-02	8.47E-06	2.46E-06	2.68E-02	8.46E-06	2.46E-06
3458	477863.09, 3849377.25	1.69E-02	5.34E-06	1.55E-06	1.73E-02	5.45E-06	1.59E-06	1.72E-02	5.44E-06	1.58E-06
3459	478363.09, 3849377.25	1.28E-02	4.03E-06	1.17E-06	1.30E-02	4.11E-06	1.20E-06	1.30E-02	4.10E-06	1.19E-06
3460	478863.09, 3849377.25	9.49E-03	3.00E-06	8.71E-07	9.68E-03	3.06E-06	8.89E-07	9.67E-03	3.05E-06	8.88E-07
3461	479363.09, 3849377.25	7.58E-03	2.39E-06	6.96E-07	7.73E-03	2.44E-06	7.10E-07	7.72E-03	2.44E-06	7.09E-07
3462	479863.09, 3849377.25	5.60E-03	1.77E-06	5.14E-07	5.72E-03	1.80E-06	5.25E-07	5.71E-03	1.80E-06	5.24E-07
3463	480363.09, 3849377.25	5.42E-03	1.71E-06	4.97E-07	5.53E-03	1.74E-06	5.08E-07	5.52E-03	1.74E-06	5.07E-07
3464	480863.09, 3849377.25	4.60E-03	1.45E-06	4.22E-07	4.69E-03	1.48E-06	4.31E-07	4.69E-03	1.48E-06	4.30E-07
3465	481363.09, 3849377.25	3.66E-03	1.16E-06	3.36E-07	3.74E-03	1.18E-06	3.43E-07	3.73E-03	1.18E-06	3.43E-07
3466	481863.09, 3849377.25	2.71E-03	8.54E-07	2.48E-07	2.76E-03	8.72E-07	2.54E-07	2.76E-03	8.71E-07	2.53E-07
3467	482363.09, 3849377.25	2.29E-03	7.24E-07	2.11E-07	2.34E-03	7.39E-07	2.15E-07	2.34E-03	7.38E-07	2.15E-07
3468	482863.09, 3849377.25	1.86E-03	5.88E-07	1.71E-07	1.90E-03	6.00E-07	1.75E-07	1.90E-03	5.99E-07	1.74E-07
3469	483363.09, 3849377.25	1.64E-03	5.17E-07	1.50E-07	1.67E-03	5.28E-07	1.54E-07	1.67E-03	5.27E-07	1.53E-07
3470	483863.09, 3849377.25	1.36E-03	4.28E-07	1.25E-07	1.38E-03	4.37E-07	1.27E-07	1.38E-03	4.36E-07	1.27E-07
3471	484363.09, 3849377.25	1.81E-03	5.72E-07	1.66E-07	1.85E-03	5.84E-07	1.70E-07	1.85E-03	5.83E-07	1.70E-07
3472	484863.09, 3849377.25	2.00E-03	6.30E-07	1.83E-07	2.04E-03	6.43E-07	1.87E-07	2.04E-03	6.42E-07	1.87E-07
3473	485363.09, 3849377.25	1.89E-03	5.95E-07	1.73E-07	1.92E-03	6.08E-07	1.77E-07	1.92E-03	6.07E-07	1.77E-07

3474	485863.09, 3849377.25	1.52E-03	4.81E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.90E-07	1.42E-07
3475	486363.09, 3849377.25	1.24E-03	3.92E-07	1.14E-07	1.27E-03	4.00E-07	1.16E-07	1.27E-03	4.00E-07	1.16E-07
3476	486863.09, 3849377.25	1.38E-03	4.35E-07	1.26E-07	1.41E-03	4.44E-07	1.29E-07	1.40E-03	4.43E-07	1.29E-07
3477	487363.09, 3849377.25	1.35E-03	4.26E-07	1.24E-07	1.38E-03	4.35E-07	1.27E-07	1.38E-03	4.35E-07	1.26E-07
3478	487863.09, 3849377.25	1.26E-03	3.98E-07	1.16E-07	1.29E-03	4.06E-07	1.18E-07	1.29E-03	4.06E-07	1.18E-07
3479	488363.09, 3849377.25	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.82E-07	1.11E-07	1.21E-03	3.82E-07	1.11E-07
3480	488863.09, 3849377.25	1.13E-03	3.56E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.63E-07	1.06E-07
3481	489363.09, 3849377.25	1.07E-03	3.39E-07	9.86E-08	1.10E-03	3.46E-07	1.01E-07	1.09E-03	3.46E-07	1.01E-07
3482	489863.09, 3849377.25	1.00E-03	3.17E-07	9.22E-08	1.02E-03	3.23E-07	9.40E-08	1.02E-03	3.23E-07	9.39E-08
3483	490363.09, 3849377.25	9.02E-04	2.85E-07	8.28E-08	9.21E-04	2.91E-07	8.45E-08	9.20E-04	2.90E-07	8.44E-08
3484	490863.09, 3849377.25	8.23E-04	2.60E-07	7.56E-08	8.40E-04	2.65E-07	7.71E-08	8.39E-04	2.65E-07	7.70E-08
3485	491363.09, 3849377.25	7.56E-04	2.39E-07	6.94E-08	7.71E-04	2.43E-07	7.08E-08	7.70E-04	2.43E-07	7.07E-08
3486	491863.09, 3849377.25	6.59E-04	2.08E-07	6.05E-08	6.72E-04	2.12E-07	6.17E-08	6.71E-04	2.12E-07	6.16E-08
3487	492363.09, 3849377.25	5.72E-04	1.80E-07	5.25E-08	5.83E-04	1.84E-07	5.36E-08	5.83E-04	1.84E-07	5.35E-08
3488	492863.09, 3849377.25	4.61E-04	1.46E-07	4.23E-08	4.71E-04	1.49E-07	4.32E-08	4.70E-04	1.48E-07	4.31E-08
3489	493363.09, 3849377.25	4.14E-04	1.31E-07	3.80E-08	4.22E-04	1.33E-07	3.88E-08	4.22E-04	1.33E-07	3.87E-08
3490	493863.09, 3849377.25	3.85E-04	1.22E-07	3.54E-08	3.93E-04	1.24E-07	3.61E-08	3.93E-04	1.24E-07	3.61E-08
3491	494363.09, 3849377.25	3.84E-04	1.21E-07	3.53E-08	3.92E-04	1.24E-07	3.60E-08	3.92E-04	1.24E-07	3.60E-08
3492	494863.09, 3849377.25	4.33E-04	1.37E-07	3.98E-08	4.42E-04	1.40E-07	4.06E-08	4.42E-04	1.39E-07	4.06E-08
3493	495363.09, 3849377.25	4.37E-04	1.38E-07	4.01E-08	4.46E-04	1.41E-07	4.10E-08	4.46E-04	1.41E-07	4.09E-08
3494	495863.09, 3849377.25	3.15E-04	9.93E-08	2.89E-08	3.21E-04	1.01E-07	2.95E-08	3.21E-04	1.01E-07	2.94E-08
3495	496363.09, 3849377.25	2.91E-04	9.19E-08	2.67E-08	2.97E-04	9.38E-08	2.73E-08	2.97E-04	9.37E-08	2.72E-08
3496	496863.09, 3849377.25	4.02E-04	1.27E-07	3.69E-08	4.10E-04	1.29E-07	3.76E-08	4.09E-04	1.29E-07	3.76E-08
3497	497363.09, 3849377.25	4.25E-04	1.34E-07	3.91E-08	4.34E-04	1.37E-07	3.99E-08	4.34E-04	1.37E-07	3.98E-08
3498	497863.09, 3849377.25	5.35E-04	1.69E-07	4.91E-08	5.46E-04	1.72E-07	5.01E-08	5.45E-04	1.72E-07	5.00E-08
3499	498363.09, 3849377.25	4.97E-04	1.57E-07	4.56E-08	5.07E-04	1.60E-07	4.66E-08	5.07E-04	1.60E-07	4.65E-08
3500	471363.09, 3849877.25	8.30E-04	2.62E-07	7.62E-08	8.47E-04	2.67E-07	7.77E-08	8.46E-04	2.67E-07	7.76E-08
3501	471863.09, 3849877.25	1.12E-03	3.55E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07
3502	472363.09, 3849877.25	1.40E-03	4.42E-07	1.29E-07	1.43E-03	4.51E-07	1.31E-07	1.43E-03	4.51E-07	1.31E-07
3503	472863.09, 3849877.25	1.69E-03	5.34E-07	1.55E-07	1.73E-03	5.45E-07	1.58E-07	1.72E-03	5.44E-07	1.58E-07
3504	473363.09, 3849877.25	2.06E-03	6.51E-07	1.89E-07	2.11E-03	6.65E-07	1.93E-07	2.10E-03	6.64E-07	1.93E-07
3505	473863.09, 3849877.25	2.54E-03	8.00E-07	2.33E-07	2.59E-03	8.17E-07	2.38E-07	2.58E-03	8.16E-07	2.37E-07
3506	474363.09, 3849877.25	3.12E-03	9.85E-07	2.87E-07	3.19E-03	1.01E-06	2.92E-07	3.18E-03	1.00E-06	2.92E-07
3507	474863.09, 3849877.25	3.87E-03	1.22E-06	3.55E-07	3.94E-03	1.24E-06	3.62E-07	3.94E-03	1.24E-06	3.62E-07
3508	475363.09, 3849877.25	4.86E-03	1.53E-06	4.46E-07	4.96E-03	1.57E-06	4.55E-07	4.95E-03	1.56E-06	4.55E-07
3509	475863.09, 3849877.25	6.17E-03	1.95E-06	5.67E-07	6.30E-03	1.99E-06	5.78E-07	6.29E-03	1.99E-06	5.78E-07
3510	476363.09, 3849877.25	8.07E-03	2.55E-06	7.40E-07	8.23E-03	2.60E-06	7.56E-07	8.22E-03	2.59E-06	7.55E-07
3511	476863.09, 3849877.25	1.14E-02	3.61E-06	1.05E-06	1.17E-02	3.68E-06	1.07E-06	1.17E-02	3.68E-06	1.07E-06
3512	477363.09, 3849877.25	2.15E-02	6.79E-06	1.98E-06	2.20E-02	6.93E-06	2.02E-06	2.19E-02	6.92E-06	2.01E-06
3513	477863.09, 3849877.25	7.94E-02	2.51E-05	7.29E-06	8.10E-02	2.56E-05	7.44E-06	8.09E-02	2.55E-05	7.43E-06
3514	478363.09, 3849877.25	2.87E-02	9.05E-06	2.63E-06	2.93E-02	9.24E-06	2.69E-06	2.92E-02	9.23E-06	2.68E-06
3515	478863.09, 3849877.25	1.85E-02	5.85E-06	1.70E-06	1.89E-02	5.97E-06	1.74E-06	1.89E-02	5.96E-06	1.73E-06
3516	479363.09, 3849877.25	1.29E-02	4.07E-06	1.18E-06	1.31E-02	4.15E-06	1.21E-06	1.31E-02	4.14E-06	1.21E-06
3517	479863.09, 3849877.25	1.03E-02	3.25E-06	9.44E-07	1.05E-02	3.31E-06	9.63E-07	1.05E-02	3.31E-06	9.62E-07
3518	480363.09, 3849877.25	7.53E-03	2.38E-06	6.92E-07	7.69E-03	2.43E-06	7.06E-07	7.68E-03	2.42E-06	7.05E-07
3519	480863.09, 3849877.25	5.82E-03	1.84E-06	5.34E-07	5.94E-03	1.87E-06	5.45E-07	5.93E-03	1.87E-06	5.45E-07
3520	481363.09, 3849877.25	4.79E-03	1.51E-06	4.39E-07	4.88E-03	1.54E-06	4.48E-07	4.88E-03	1.54E-06	4.48E-07
3521	481863.09, 3849877.25	3.25E-03	1.03E-06	2.98E-07	3.32E-03	1.05E-06	3.04E-07	3.31E-03	1.05E-06	3.04E-07
3522	482363.09, 3849877.25	2.61E-03	8.22E-07	2.39E-07	2.66E-03	8.39E-07	2.44E-07	2.66E-03	8.38E-07	2.44E-07
3523	482863.09, 3849877.25	2.17E-03	6.85E-07	1.99E-07	2.22E-03	6.99E-07	2.03E-07	2.21E-03	6.99E-07	2.03E-07
3524	483363.09, 3849877.25	1.81E-03	5.71E-07	1.66E-07	1.84E-03	5.82E-07	1.69E-07	1.84E-03	5.82E-07	1.69E-07
3525	483863.09, 3849877.25	1.71E-03	5.38E-07	1.57E-07	1.74E-03	5.49E-07	1.60E-07	1.74E-03	5.49E-07	1.60E-07
3526	484363.09, 3849877.25	2.11E-03	6.66E-07	1.94E-07	2.15E-03	6.79E-07	1.98E-07	2.15E-03	6.79E-07	1.97E-07
3527	484863.09, 3849877.25	2.44E-03	7.69E-07	2.24E-07	2.49E-03	7.85E-07	2.28E-07	2.48E-03	7.84E-07	2.28E-07
3528	485363.09, 3849877.25	2.19E-03	6.92E-07	2.01E-07	2.24E-03	7.06E-07	2.05E-07	2.24E-03	7.06E-07	2.05E-07
3529	485863.09, 3849877.25	1.86E-03	5.88E-07	1.71E-07	1.90E-03	6.00E-07	1.75E-07	1.90E-03	5.99E-07	1.74E-07
3530	486363.09, 3849877.25	1.67E-03	5.28E-07	1.54E-07	1.71E-03	5.39E-07	1.57E-07	1.70E-03	5.38E-07	1.56E-07
3531	486863.09, 3849877.25	1.70E-03	5.36E-07	1.56E-07	1.73E-03	5.47E-07	1.59E-07	1.73E-03	5.46E-07	1.59E-07
3532	487363.09, 3849877.25	1.60E-03	5.05E-07	1.47E-07	1.63E-03	5.15E-07	1.50E-07	1.63E-03	5.14E-07	1.50E-07
3533	487863.09, 3849877.25	1.48E-03	4.67E-07	1.36E-07	1.51E-03	4.77E-07	1.39E-07	1.51E-03	4.76E-07	1.39E-07
3534	488363.09, 3849877.25	1.39E-03	4.37E-07	1.27E-07	1.41E-03	4.46E-07	1.30E-07	1.41E-03	4.46E-07	1.30E-07

3535	488863.09, 3849877.25	1.31E-03	4.12E-07	1.20E-07	1.33E-03	4.21E-07	1.22E-07	1.33E-03	4.20E-07	1.22E-07
3536	489363.09, 3849877.25	1.22E-03	3.84E-07	1.12E-07	1.24E-03	3.92E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
3537	489863.09, 3849877.25	1.11E-03	3.51E-07	1.02E-07	1.13E-03	3.58E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
3538	490363.09, 3849877.25	9.98E-04	3.15E-07	9.16E-08	1.02E-03	3.21E-07	9.35E-08	1.02E-03	3.21E-07	9.34E-08
3539	490863.09, 3849877.25	9.15E-04	2.89E-07	8.40E-08	9.34E-04	2.95E-07	8.57E-08	9.33E-04	2.94E-07	8.56E-08
3540	491363.09, 3849877.25	8.34E-04	2.63E-07	7.66E-08	8.51E-04	2.69E-07	7.81E-08	8.50E-04	2.68E-07	7.80E-08
3541	491863.09, 3849877.25	7.28E-04	2.30E-07	6.68E-08	7.43E-04	2.34E-07	6.82E-08	7.42E-04	2.34E-07	6.81E-08
3542	492363.09, 3849877.25	6.39E-04	2.02E-07	5.87E-08	6.52E-04	2.06E-07	5.99E-08	6.51E-04	2.06E-07	5.98E-08
3543	492863.09, 3849877.25	5.38E-04	1.70E-07	4.94E-08	5.49E-04	1.73E-07	5.04E-08	5.49E-04	1.73E-07	5.04E-08
3544	493363.09, 3849877.25	4.54E-04	1.43E-07	4.17E-08	4.64E-04	1.46E-07	4.26E-08	4.63E-04	1.46E-07	4.25E-08
3545	493863.09, 3849877.25	4.03E-04	1.27E-07	3.70E-08	4.11E-04	1.30E-07	3.78E-08	4.11E-04	1.30E-07	3.77E-08
3546	494363.09, 3849877.25	4.82E-04	1.52E-07	4.42E-08	4.92E-04	1.55E-07	4.51E-08	4.91E-04	1.55E-07	4.51E-08
3547	494863.09, 3849877.25	5.25E-04	1.66E-07	4.82E-08	5.36E-04	1.69E-07	4.92E-08	5.35E-04	1.69E-07	4.91E-08
3548	495363.09, 3849877.25	4.27E-04	1.35E-07	3.92E-08	4.36E-04	1.38E-07	4.00E-08	4.35E-04	1.37E-07	4.00E-08
3549	495863.09, 3849877.25	4.78E-04	1.51E-07	4.39E-08	4.88E-04	1.54E-07	4.48E-08	4.87E-04	1.54E-07	4.47E-08
3550	496363.09, 3849877.25	4.81E-04	1.52E-07	4.42E-08	4.91E-04	1.55E-07	4.51E-08	4.91E-04	1.55E-07	4.51E-08
3551	496863.09, 3849877.25	4.77E-04	1.51E-07	4.38E-08	4.87E-04	1.54E-07	4.47E-08	4.87E-04	1.54E-07	4.47E-08
3552	497363.09, 3849877.25	5.47E-04	1.73E-07	5.03E-08	5.59E-04	1.76E-07	5.13E-08	5.58E-04	1.76E-07	5.12E-08
3553	497863.09, 3849877.25	5.56E-04	1.75E-07	5.10E-08	5.67E-04	1.79E-07	5.21E-08	5.66E-04	1.79E-07	5.20E-08
3554	498363.09, 3849877.25	5.17E-04	1.63E-07	4.74E-08	5.27E-04	1.66E-07	4.84E-08	5.26E-04	1.66E-07	4.83E-08
3555	471363.09, 3850377.25	4.38E-04	1.38E-07	4.02E-08	4.47E-04	1.41E-07	4.10E-08	4.46E-04	1.41E-07	4.09E-08
3556	471863.09, 3850377.25	8.31E-04	2.62E-07	7.63E-08	8.48E-04	2.68E-07	7.79E-08	8.47E-04	2.67E-07	7.78E-08
3557	472363.09, 3850377.25	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.56E-07	1.04E-07
3558	472863.09, 3850377.25	1.49E-03	4.69E-07	1.37E-07	1.52E-03	4.79E-07	1.39E-07	1.52E-03	4.78E-07	1.39E-07
3559	473363.09, 3850377.25	1.76E-03	5.55E-07	1.61E-07	1.79E-03	5.66E-07	1.65E-07	1.79E-03	5.65E-07	1.64E-07
3560	473863.09, 3850377.25	2.07E-03	6.53E-07	1.90E-07	2.11E-03	6.67E-07	1.94E-07	2.11E-03	6.66E-07	1.94E-07
3561	474363.09, 3850377.25	2.40E-03	7.59E-07	2.21E-07	2.45E-03	7.74E-07	2.25E-07	2.45E-03	7.73E-07	2.25E-07
3562	474863.09, 3850377.25	2.81E-03	8.88E-07	2.58E-07	2.87E-03	9.06E-07	2.63E-07	2.87E-03	9.05E-07	2.63E-07
3563	475363.09, 3850377.25	3.28E-03	1.04E-06	3.01E-07	3.35E-03	1.06E-06	3.08E-07	3.35E-03	1.06E-06	3.07E-07
3564	475863.09, 3850377.25	3.90E-03	1.23E-06	3.58E-07	3.98E-03	1.26E-06	3.65E-07	3.98E-03	1.26E-06	3.65E-07
3565	476363.09, 3850377.25	4.76E-03	1.50E-06	4.37E-07	4.86E-03	1.53E-06	4.46E-07	4.85E-03	1.53E-06	4.45E-07
3566	476863.09, 3850377.25	5.90E-03	1.86E-06	5.42E-07	6.02E-03	1.90E-06	5.53E-07	6.01E-03	1.90E-06	5.52E-07
3567	477363.09, 3850377.25	7.51E-03	2.37E-06	6.90E-07	7.67E-03	2.42E-06	7.04E-07	7.66E-03	2.42E-06	7.03E-07
3568	477863.09, 3850377.25	1.08E-02	3.42E-06	9.94E-07	1.11E-02	3.49E-06	1.01E-06	1.10E-02	3.48E-06	1.01E-06
3569	478363.09, 3850377.25	2.14E-02	6.74E-06	1.96E-06	2.18E-02	6.88E-06	2.00E-06	2.18E-02	6.87E-06	2.00E-06
3570	478863.09, 3850377.25	8.73E-02	2.76E-05	8.02E-06	8.91E-02	2.81E-05	8.18E-06	8.90E-02	2.81E-05	8.17E-06
3571	479363.09, 3850377.25	3.02E-02	9.52E-06	2.77E-06	3.08E-02	9.71E-06	2.83E-06	3.07E-02	9.70E-06	2.82E-06
3572	479863.09, 3850377.25	1.80E-02	5.69E-06	1.65E-06	1.84E-02	5.81E-06	1.69E-06	1.84E-02	5.80E-06	1.69E-06
3573	480363.09, 3850377.25	1.26E-02	3.96E-06	1.15E-06	1.28E-02	4.04E-06	1.18E-06	1.28E-02	4.04E-06	1.17E-06
3574	480863.09, 3850377.25	1.00E-02	3.16E-06	9.20E-07	1.02E-02	3.23E-06	9.39E-07	1.02E-02	3.22E-06	9.38E-07
3575	481363.09, 3850377.25	6.30E-03	1.99E-06	5.79E-07	6.43E-03	2.03E-06	5.91E-07	6.43E-03	2.03E-06	5.90E-07
3576	481863.09, 3850377.25	5.32E-03	1.68E-06	4.88E-07	5.43E-03	1.71E-06	4.98E-07	5.42E-03	1.71E-06	4.98E-07
3577	482363.09, 3850377.25	4.49E-03	1.42E-06	4.12E-07	4.58E-03	1.45E-06	4.21E-07	4.58E-03	1.45E-06	4.20E-07
3578	482863.09, 3850377.25	3.22E-03	1.02E-06	2.96E-07	3.29E-03	1.04E-06	3.02E-07	3.29E-03	1.04E-06	3.02E-07
3579	483363.09, 3850377.25	2.55E-03	8.04E-07	2.34E-07	2.60E-03	8.20E-07	2.39E-07	2.60E-03	8.19E-07	2.38E-07
3580	483863.09, 3850377.25	2.56E-03	8.07E-07	2.35E-07	2.61E-03	8.23E-07	2.39E-07	2.61E-03	8.22E-07	2.39E-07
3581	484363.09, 3850377.25	2.74E-03	8.63E-07	2.51E-07	2.79E-03	8.81E-07	2.56E-07	2.79E-03	8.80E-07	2.56E-07
3582	484863.09, 3850377.25	2.86E-03	9.03E-07	2.63E-07	2.92E-03	9.21E-07	2.68E-07	2.92E-03	9.20E-07	2.68E-07
3583	485363.09, 3850377.25	2.65E-03	8.36E-07	2.43E-07	2.70E-03	8.53E-07	2.48E-07	2.70E-03	8.52E-07	2.48E-07
3584	485863.09, 3850377.25	2.33E-03	7.36E-07	2.14E-07	2.38E-03	7.51E-07	2.18E-07	2.38E-03	7.50E-07	2.18E-07
3585	486363.09, 3850377.25	2.17E-03	6.84E-07	1.99E-07	2.21E-03	6.98E-07	2.03E-07	2.21E-03	6.97E-07	2.03E-07
3586	486863.09, 3850377.25	2.02E-03	6.38E-07	1.86E-07	2.06E-03	6.51E-07	1.89E-07	2.06E-03	6.50E-07	1.89E-07
3587	487363.09, 3850377.25	1.83E-03	5.78E-07	1.68E-07	1.87E-03	5.90E-07	1.72E-07	1.87E-03	5.89E-07	1.71E-07
3588	487863.09, 3850377.25	1.71E-03	5.39E-07	1.57E-07	1.74E-03	5.50E-07	1.60E-07	1.74E-03	5.49E-07	1.60E-07
3589	488363.09, 3850377.25	1.58E-03	4.98E-07	1.45E-07	1.61E-03	5.08E-07	1.48E-07	1.61E-03	5.08E-07	1.48E-07
3590	488863.09, 3850377.25	1.47E-03	4.63E-07	1.35E-07	1.50E-03	4.72E-07	1.37E-07	1.49E-03	4.71E-07	1.37E-07
3591	489363.09, 3850377.25	1.35E-03	4.27E-07	1.24E-07	1.38E-03	4.35E-07	1.27E-07	1.38E-03	4.35E-07	1.26E-07
3592	489863.09, 3850377.25	1.22E-03	3.84E-07	1.12E-07	1.24E-03	3.92E-07	1.14E-07	1.24E-03	3.92E-07	1.14E-07
3593	490363.09, 3850377.25	1.10E-03	3.48E-07	1.01E-07	1.13E-03	3.55E-07	1.03E-07	1.12E-03	3.55E-07	1.03E-07
3594	490863.09, 3850377.25	1.01E-03	3.18E-07	9.24E-08	1.03E-03	3.24E-07	9.42E-08	1.03E-03	3.24E-07	9.41E-08
3595	491363.09, 3850377.25	9.12E-04	2.88E-07	8.37E-08	9.30E-04	2.94E-07	8.54E-08	9.29E-04	2.93E-07	8.53E-08

3596	491863.09, 3850377.25	7.92E-04	2.50E-07	7.27E-08	8.08E-04	2.55E-07	7.42E-08	8.07E-04	2.55E-07	7.41E-08
3597	492363.09, 3850377.25	6.75E-04	2.13E-07	6.20E-08	6.89E-04	2.18E-07	6.33E-08	6.88E-04	2.17E-07	6.32E-08
3598	492863.09, 3850377.25	5.98E-04	1.89E-07	5.49E-08	6.10E-04	1.93E-07	5.60E-08	6.09E-04	1.92E-07	5.59E-08
3599	493363.09, 3850377.25	5.11E-04	1.61E-07	4.69E-08	5.22E-04	1.65E-07	4.79E-08	5.21E-04	1.64E-07	4.78E-08
3600	493863.09, 3850377.25	5.29E-04	1.67E-07	4.85E-08	5.39E-04	1.70E-07	4.95E-08	5.39E-04	1.70E-07	4.95E-08
3601	494363.09, 3850377.25	5.33E-04	1.68E-07	4.90E-08	5.44E-04	1.72E-07	5.00E-08	5.44E-04	1.72E-07	4.99E-08
3602	494863.09, 3850377.25	5.66E-04	1.79E-07	5.20E-08	5.78E-04	1.82E-07	5.31E-08	5.77E-04	1.82E-07	5.30E-08
3603	495363.09, 3850377.25	6.08E-04	1.92E-07	5.58E-08	6.20E-04	1.96E-07	5.69E-08	6.19E-04	1.95E-07	5.69E-08
3604	495863.09, 3850377.25	5.46E-04	1.72E-07	5.01E-08	5.57E-04	1.76E-07	5.11E-08	5.56E-04	1.76E-07	5.11E-08
3605	496363.09, 3850377.25	5.83E-04	1.84E-07	5.35E-08	5.94E-04	1.88E-07	5.46E-08	5.94E-04	1.87E-07	5.45E-08
3606	496863.09, 3850377.25	6.08E-04	1.92E-07	5.59E-08	6.21E-04	1.96E-07	5.70E-08	6.20E-04	1.96E-07	5.69E-08
3607	497363.09, 3850377.25	6.02E-04	1.90E-07	5.53E-08	6.14E-04	1.94E-07	5.64E-08	6.14E-04	1.94E-07	5.63E-08
3608	497863.09, 3850377.25	5.72E-04	1.81E-07	5.25E-08	5.84E-04	1.84E-07	5.36E-08	5.83E-04	1.84E-07	5.35E-08
3609	498363.09, 3850377.25	5.43E-04	1.71E-07	4.98E-08	5.54E-04	1.75E-07	5.08E-08	5.53E-04	1.75E-07	5.08E-08
3610	471363.09, 3850877.25	5.37E-04	1.69E-07	4.93E-08	5.48E-04	1.73E-07	5.03E-08	5.47E-04	1.73E-07	5.02E-08
3611	471863.09, 3850877.25	7.13E-04	2.25E-07	6.55E-08	7.28E-04	2.30E-07	6.68E-08	7.27E-04	2.29E-07	6.67E-08
3612	472363.09, 3850877.25	9.85E-04	3.11E-07	9.04E-08	1.00E-03	3.17E-07	9.23E-08	1.00E-03	3.17E-07	9.21E-08
3613	472863.09, 3850877.25	1.25E-03	3.95E-07	1.15E-07	1.28E-03	4.03E-07	1.17E-07	1.27E-03	4.02E-07	1.17E-07
3614	473363.09, 3850877.25	1.34E-03	4.24E-07	1.23E-07	1.37E-03	4.32E-07	1.26E-07	1.37E-03	4.32E-07	1.26E-07
3615	473863.09, 3850877.25	1.67E-03	5.27E-07	1.53E-07	1.71E-03	5.38E-07	1.57E-07	1.70E-03	5.38E-07	1.56E-07
3616	474363.09, 3850877.25	1.96E-03	6.18E-07	1.80E-07	2.00E-03	6.30E-07	1.83E-07	1.99E-03	6.29E-07	1.83E-07
3617	474863.09, 3850877.25	2.22E-03	7.01E-07	2.04E-07	2.27E-03	7.16E-07	2.08E-07	2.26E-03	7.15E-07	2.08E-07
3618	475363.09, 3850877.25	2.52E-03	7.96E-07	2.32E-07	2.57E-03	8.12E-07	2.36E-07	2.57E-03	8.11E-07	2.36E-07
3619	475863.09, 3850877.25	2.87E-03	9.07E-07	2.64E-07	2.93E-03	9.25E-07	2.69E-07	2.93E-03	9.24E-07	2.69E-07
3620	476363.09, 3850877.25	3.33E-03	1.05E-06	3.06E-07	3.40E-03	1.07E-06	3.12E-07	3.40E-03	1.07E-06	3.12E-07
3621	476863.09, 3850877.25	3.93E-03	1.24E-06	3.60E-07	4.01E-03	1.26E-06	3.68E-07	4.00E-03	1.26E-06	3.67E-07
3622	477363.09, 3850877.25	4.68E-03	1.48E-06	4.30E-07	4.78E-03	1.51E-06	4.39E-07	4.77E-03	1.51E-06	4.38E-07
3623	477863.09, 3850877.25	5.67E-03	1.79E-06	5.21E-07	5.79E-03	1.83E-06	5.32E-07	5.78E-03	1.83E-06	5.31E-07
3624	478363.09, 3850877.25	7.36E-03	2.32E-06	6.76E-07	7.51E-03	2.37E-06	6.90E-07	7.50E-03	2.37E-06	6.89E-07
3625	478863.09, 3850877.25	1.04E-02	3.27E-06	9.52E-07	1.06E-02	3.34E-06	9.72E-07	1.06E-02	3.34E-06	9.70E-07
3626	479363.09, 3850877.25	1.88E-02	5.95E-06	1.73E-06	1.92E-02	6.07E-06	1.77E-06	1.92E-02	6.06E-06	1.76E-06
3627	479863.09, 3850877.25	1.09E-01	3.43E-05	9.98E-06	1.11E-01	3.50E-05	1.02E-05	1.11E-01	3.50E-05	1.02E-05
3628	480363.09, 3850877.25	3.14E-02	9.90E-06	2.88E-06	3.20E-02	1.01E-05	2.94E-06	3.20E-02	1.01E-05	2.94E-06
3629	480863.09, 3850877.25	1.85E-02	5.84E-06	1.70E-06	1.89E-02	5.96E-06	1.73E-06	1.89E-02	5.95E-06	1.73E-06
3630	481363.09, 3850877.25	1.27E-02	4.02E-06	1.17E-06	1.30E-02	4.10E-06	1.19E-06	1.30E-02	4.09E-06	1.19E-06
3631	481863.09, 3850877.25	8.97E-03	2.83E-06	8.23E-07	9.15E-03	2.89E-06	8.40E-07	9.14E-03	2.88E-06	8.39E-07
3632	482363.09, 3850877.25	6.25E-03	1.97E-06	5.74E-07	6.38E-03	2.01E-06	5.85E-07	6.37E-03	2.01E-06	5.85E-07
3633	482863.09, 3850877.25	4.87E-03	1.54E-06	4.47E-07	4.97E-03	1.57E-06	4.56E-07	4.96E-03	1.57E-06	4.56E-07
3634	483363.09, 3850877.25	3.75E-03	1.18E-06	3.45E-07	3.83E-03	1.21E-06	3.52E-07	3.82E-03	1.21E-06	3.51E-07
3635	483863.09, 3850877.25	3.39E-03	1.07E-06	3.12E-07	3.46E-03	1.09E-06	3.18E-07	3.46E-03	1.09E-06	3.18E-07
3636	484363.09, 3850877.25	3.47E-03	1.10E-06	3.19E-07	3.54E-03	1.12E-06	3.25E-07	3.54E-03	1.12E-06	3.25E-07
3637	484863.09, 3850877.25	3.22E-03	1.02E-06	2.96E-07	3.29E-03	1.04E-06	3.02E-07	3.29E-03	1.04E-06	3.02E-07
3638	485363.09, 3850877.25	3.05E-03	9.62E-07	2.80E-07	3.11E-03	9.82E-07	2.86E-07	3.11E-03	9.81E-07	2.85E-07
3639	485863.09, 3850877.25	2.62E-03	8.27E-07	2.41E-07	2.67E-03	8.44E-07	2.46E-07	2.67E-03	8.43E-07	2.45E-07
3640	486363.09, 3850877.25	2.50E-03	7.90E-07	2.30E-07	2.55E-03	8.06E-07	2.34E-07	2.55E-03	8.05E-07	2.34E-07
3641	486863.09, 3850877.25	2.30E-03	7.25E-07	2.11E-07	2.34E-03	7.40E-07	2.15E-07	2.34E-03	7.39E-07	2.15E-07
3642	487363.09, 3850877.25	2.06E-03	6.50E-07	1.89E-07	2.10E-03	6.63E-07	1.93E-07	2.10E-03	6.62E-07	1.93E-07
3643	487863.09, 3850877.25	1.89E-03	5.98E-07	1.74E-07	1.93E-03	6.10E-07	1.77E-07	1.93E-03	6.09E-07	1.77E-07
3644	488363.09, 3850877.25	1.75E-03	5.52E-07	1.60E-07	1.78E-03	5.63E-07	1.64E-07	1.78E-03	5.62E-07	1.64E-07
3645	488863.09, 3850877.25	1.60E-03	5.05E-07	1.47E-07	1.63E-03	5.15E-07	1.50E-07	1.63E-03	5.15E-07	1.50E-07
3646	489363.09, 3850877.25	1.47E-03	4.64E-07	1.35E-07	1.50E-03	4.73E-07	1.38E-07	1.50E-03	4.73E-07	1.37E-07
3647	489863.09, 3850877.25	1.33E-03	4.21E-07	1.22E-07	1.36E-03	4.29E-07	1.25E-07	1.36E-03	4.29E-07	1.25E-07
3648	490363.09, 3850877.25	1.22E-03	3.85E-07	1.12E-07	1.25E-03	3.93E-07	1.14E-07	1.24E-03	3.93E-07	1.14E-07
3649	490863.09, 3850877.25	1.11E-03	3.51E-07	1.02E-07	1.13E-03	3.58E-07	1.04E-07	1.13E-03	3.58E-07	1.04E-07
3650	491363.09, 3850877.25	9.88E-04	3.12E-07	9.07E-08	1.01E-03	3.18E-07	9.26E-08	1.01E-03	3.18E-07	9.25E-08
3651	491863.09, 3850877.25	8.68E-04	2.74E-07	7.97E-08	8.86E-04	2.80E-07	8.13E-08	8.85E-04	2.79E-07	8.13E-08
3652	492363.09, 3850877.25	7.64E-04	2.41E-07	7.01E-08	7.80E-04	2.46E-07	7.16E-08	7.79E-04	2.46E-07	7.15E-08
3653	492863.09, 3850877.25	6.85E-04	2.16E-07	6.29E-08	6.99E-04	2.21E-07	6.42E-08	6.99E-04	2.20E-07	6.41E-08
3654	493363.09, 3850877.25	6.36E-04	2.01E-07	5.84E-08	6.49E-04	2.05E-07	5.96E-08	6.48E-04	2.05E-07	5.95E-08
3655	493863.09, 3850877.25	6.52E-04	2.06E-07	5.98E-08	6.65E-04	2.10E-07	6.11E-08	6.64E-04	2.10E-07	6.10E-08
3656	494363.09, 3850877.25	6.33E-04	2.00E-07	5.81E-08	6.46E-04	2.04E-07	5.93E-08	6.45E-04	2.04E-07	5.93E-08

3657	494863.09, 3850877.25	6.54E-04	2.06E-07	6.00E-08	6.67E-04	2.11E-07	6.13E-08	6.66E-04	2.10E-07	6.12E-08
3658	495363.09, 3850877.25	6.75E-04	2.13E-07	6.20E-08	6.89E-04	2.18E-07	6.33E-08	6.88E-04	2.17E-07	6.32E-08
3659	495863.09, 3850877.25	6.48E-04	2.04E-07	5.95E-08	6.61E-04	2.09E-07	6.07E-08	6.60E-04	2.08E-07	6.06E-08
3660	496363.09, 3850877.25	6.42E-04	2.03E-07	5.89E-08	6.55E-04	2.07E-07	6.01E-08	6.54E-04	2.06E-07	6.00E-08
3661	496863.09, 3850877.25	6.54E-04	2.06E-07	6.00E-08	6.67E-04	2.10E-07	6.12E-08	6.66E-04	2.10E-07	6.12E-08
3662	497363.09, 3850877.25	6.26E-04	1.97E-07	5.74E-08	6.38E-04	2.01E-07	5.86E-08	6.38E-04	2.01E-07	5.85E-08
3663	497863.09, 3850877.25	5.89E-04	1.86E-07	5.41E-08	6.01E-04	1.90E-07	5.52E-08	6.00E-04	1.89E-07	5.51E-08
3664	498363.09, 3850877.25	5.54E-04	1.75E-07	5.08E-08	5.65E-04	1.78E-07	5.19E-08	5.64E-04	1.78E-07	5.18E-08
3665	471363.09, 3851377.25	5.25E-04	1.66E-07	4.82E-08	5.36E-04	1.69E-07	4.92E-08	5.35E-04	1.69E-07	4.91E-08
3666	471863.09, 3851377.25	7.67E-04	2.42E-07	7.04E-08	7.82E-04	2.47E-07	7.18E-08	7.81E-04	2.47E-07	7.17E-08
3667	472363.09, 3851377.25	8.50E-04	2.68E-07	7.80E-08	8.67E-04	2.74E-07	7.96E-08	8.66E-04	2.73E-07	7.95E-08
3668	472863.09, 3851377.25	9.47E-04	2.99E-07	8.69E-08	9.66E-04	3.05E-07	8.87E-08	9.65E-04	3.05E-07	8.86E-08
3669	473363.09, 3851377.25	8.96E-04	2.83E-07	8.23E-08	9.14E-04	2.89E-07	8.39E-08	9.13E-04	2.88E-07	8.38E-08
3670	473863.09, 3851377.25	1.07E-03	3.37E-07	9.80E-08	1.09E-03	3.44E-07	1.00E-07	1.09E-03	3.43E-07	9.98E-08
3671	474363.09, 3851377.25	1.47E-03	4.65E-07	1.35E-07	1.50E-03	4.75E-07	1.38E-07	1.50E-03	4.74E-07	1.38E-07
3672	474863.09, 3851377.25	1.79E-03	5.66E-07	1.65E-07	1.83E-03	5.78E-07	1.68E-07	1.83E-03	5.77E-07	1.68E-07
3673	475363.09, 3851377.25	2.04E-03	6.44E-07	1.87E-07	2.08E-03	6.57E-07	1.91E-07	2.08E-03	6.56E-07	1.91E-07
3674	475863.09, 3851377.25	2.29E-03	7.22E-07	2.10E-07	2.33E-03	7.36E-07	2.14E-07	2.33E-03	7.35E-07	2.14E-07
3675	476363.09, 3851377.25	2.59E-03	8.16E-07	2.37E-07	2.64E-03	8.33E-07	2.42E-07	2.64E-03	8.32E-07	2.42E-07
3676	476863.09, 3851377.25	2.96E-03	9.33E-07	2.71E-07	3.02E-03	9.52E-07	2.77E-07	3.01E-03	9.51E-07	2.77E-07
3677	477363.09, 3851377.25	3.38E-03	1.07E-06	3.11E-07	3.45E-03	1.09E-06	3.17E-07	3.45E-03	1.09E-06	3.17E-07
3678	477863.09, 3851377.25	3.94E-03	1.24E-06	3.62E-07	4.02E-03	1.27E-06	3.69E-07	4.01E-03	1.27E-06	3.68E-07
3679	478363.09, 3851377.25	4.67E-03	1.48E-06	4.29E-07	4.77E-03	1.51E-06	4.38E-07	4.76E-03	1.50E-06	4.37E-07
3680	478863.09, 3851377.25	5.68E-03	1.79E-06	5.21E-07	5.80E-03	1.83E-06	5.32E-07	5.79E-03	1.83E-06	5.31E-07
3681	479363.09, 3851377.25	7.31E-03	2.31E-06	6.71E-07	7.46E-03	2.35E-06	6.85E-07	7.45E-03	2.35E-06	6.84E-07
3682	479863.09, 3851377.25	1.02E-02	3.22E-06	9.37E-07	1.04E-02	3.29E-06	9.57E-07	1.04E-02	3.28E-06	9.55E-07
3683	480363.09, 3851377.25	1.83E-02	5.78E-06	1.68E-06	1.87E-02	5.90E-06	1.72E-06	1.87E-02	5.89E-06	1.71E-06
3684	480863.09, 3851377.25	9.06E-02	2.86E-05	8.31E-06	9.24E-02	2.92E-05	8.48E-06	9.23E-02	2.91E-05	8.47E-06
3685	481363.09, 3851377.25	2.95E-02	9.29E-06	2.70E-06	3.01E-02	9.48E-06	2.76E-06	3.00E-02	9.47E-06	2.76E-06
3686	481863.09, 3851377.25	1.51E-02	4.76E-06	1.39E-06	1.54E-02	4.86E-06	1.41E-06	1.54E-02	4.85E-06	1.41E-06
3687	482363.09, 3851377.25	9.97E-03	3.15E-06	9.16E-07	1.02E-02	3.21E-06	9.34E-07	1.02E-02	3.21E-06	9.33E-07
3688	482863.09, 3851377.25	6.66E-03	2.10E-06	6.11E-07	6.80E-03	2.15E-06	6.24E-07	6.79E-03	2.14E-06	6.23E-07
3689	483363.09, 3851377.25	4.81E-03	1.52E-06	4.42E-07	4.91E-03	1.55E-06	4.51E-07	4.91E-03	1.55E-06	4.50E-07
3690	483863.09, 3851377.25	4.02E-03	1.27E-06	3.69E-07	4.10E-03	1.29E-06	3.76E-07	4.09E-03	1.29E-06	3.76E-07
3691	484363.09, 3851377.25	4.21E-03	1.33E-06	3.86E-07	4.30E-03	1.36E-06	3.94E-07	4.29E-03	1.35E-06	3.94E-07
3692	484863.09, 3851377.25	3.26E-03	1.03E-06	3.00E-07	3.33E-03	1.05E-06	3.06E-07	3.33E-03	1.05E-06	3.05E-07
3693	485363.09, 3851377.25	3.46E-03	1.09E-06	3.18E-07	3.53E-03	1.11E-06	3.24E-07	3.53E-03	1.11E-06	3.24E-07
3694	485863.09, 3851377.25	2.92E-03	9.21E-07	2.68E-07	2.98E-03	9.40E-07	2.73E-07	2.97E-03	9.39E-07	2.73E-07
3695	486363.09, 3851377.25	2.80E-03	8.85E-07	2.57E-07	2.86E-03	9.03E-07	2.63E-07	2.86E-03	9.02E-07	2.62E-07
3696	486863.09, 3851377.25	2.51E-03	7.93E-07	2.31E-07	2.56E-03	8.09E-07	2.35E-07	2.56E-03	8.09E-07	2.35E-07
3697	487363.09, 3851377.25	2.12E-03	6.69E-07	1.95E-07	2.16E-03	6.83E-07	1.99E-07	2.16E-03	6.82E-07	1.98E-07
3698	487863.09, 3851377.25	2.04E-03	6.43E-07	1.87E-07	2.08E-03	6.56E-07	1.91E-07	2.08E-03	6.56E-07	1.91E-07
3699	488363.09, 3851377.25	1.89E-03	5.95E-07	1.73E-07	1.92E-03	6.08E-07	1.77E-07	1.92E-03	6.07E-07	1.77E-07
3700	488863.09, 3851377.25	1.72E-03	5.42E-07	1.58E-07	1.75E-03	5.53E-07	1.61E-07	1.75E-03	5.53E-07	1.61E-07
3701	489363.09, 3851377.25	1.57E-03	4.94E-07	1.44E-07	1.60E-03	5.04E-07	1.47E-07	1.60E-03	5.04E-07	1.47E-07
3702	489863.09, 3851377.25	1.42E-03	4.48E-07	1.30E-07	1.45E-03	4.57E-07	1.33E-07	1.45E-03	4.57E-07	1.33E-07
3703	490363.09, 3851377.25	1.29E-03	4.08E-07	1.19E-07	1.32E-03	4.17E-07	1.21E-07	1.32E-03	4.16E-07	1.21E-07
3704	490863.09, 3851377.25	1.17E-03	3.70E-07	1.08E-07	1.19E-03	3.77E-07	1.10E-07	1.19E-03	3.77E-07	1.10E-07
3705	491363.09, 3851377.25	1.04E-03	3.28E-07	9.53E-08	1.06E-03	3.34E-07	9.72E-08	1.06E-03	3.34E-07	9.71E-08
3706	491863.09, 3851377.25	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.69E-08	9.45E-04	2.98E-07	8.68E-08
3707	492363.09, 3851377.25	8.44E-04	2.66E-07	7.75E-08	8.61E-04	2.72E-07	7.91E-08	8.60E-04	2.71E-07	7.90E-08
3708	492863.09, 3851377.25	7.56E-04	2.39E-07	6.94E-08	7.72E-04	2.44E-07	7.08E-08	7.71E-04	2.43E-07	7.07E-08
3709	493363.09, 3851377.25	6.19E-04	1.95E-07	5.69E-08	6.32E-04	1.99E-07	5.80E-08	6.31E-04	1.99E-07	5.80E-08
3710	493863.09, 3851377.25	6.34E-04	2.00E-07	5.82E-08	6.46E-04	2.04E-07	5.93E-08	6.46E-04	2.04E-07	5.93E-08
3711	494363.09, 3851377.25	7.06E-04	2.23E-07	6.48E-08	7.21E-04	2.27E-07	6.62E-08	7.20E-04	2.27E-07	6.61E-08
3712	494863.09, 3851377.25	6.86E-04	2.17E-07	6.30E-08	7.00E-04	2.21E-07	6.43E-08	6.99E-04	2.21E-07	6.42E-08
3713	495363.09, 3851377.25	7.38E-04	2.33E-07	6.77E-08	7.53E-04	2.38E-07	6.91E-08	7.52E-04	2.37E-07	6.90E-08
3714	495863.09, 3851377.25	7.28E-04	2.30E-07	6.68E-08	7.42E-04	2.34E-07	6.82E-08	7.42E-04	2.34E-07	6.81E-08
3715	496363.09, 3851377.25	7.04E-04	2.22E-07	6.46E-08	7.18E-04	2.27E-07	6.59E-08	7.17E-04	2.26E-07	6.59E-08
3716	496863.09, 3851377.25	6.73E-04	2.12E-07	6.18E-08	6.87E-04	2.17E-07	6.30E-08	6.86E-04	2.16E-07	6.30E-08
3717	497363.09, 3851377.25	6.42E-04	2.03E-07	5.89E-08	6.55E-04	2.07E-07	6.01E-08	6.54E-04	2.06E-07	6.00E-08

3718	497863.09, 3851377.25	6.05E-04	1.91E-07	5.56E-08	6.18E-04	1.95E-07	5.67E-08	6.17E-04	1.95E-07	5.66E-08
3719	498363.09, 3851377.25	5.53E-04	1.75E-07	5.08E-08	5.65E-04	1.78E-07	5.18E-08	5.64E-04	1.78E-07	5.18E-08
3720	471363.09, 3851877.25	5.32E-04	1.68E-07	4.89E-08	5.43E-04	1.71E-07	4.99E-08	5.42E-04	1.71E-07	4.98E-08
3721	471863.09, 3851877.25	5.35E-04	1.69E-07	4.92E-08	5.46E-04	1.72E-07	5.02E-08	5.46E-04	1.72E-07	5.01E-08
3722	472363.09, 3851877.25	6.75E-04	2.13E-07	6.19E-08	6.89E-04	2.17E-07	6.32E-08	6.88E-04	2.17E-07	6.31E-08
3723	472863.09, 3851877.25	8.16E-04	2.58E-07	7.49E-08	8.33E-04	2.63E-07	7.65E-08	8.32E-04	2.63E-07	7.64E-08
3724	473363.09, 3851877.25	7.85E-04	2.48E-07	7.21E-08	8.01E-04	2.53E-07	7.35E-08	8.00E-04	2.53E-07	7.34E-08
3725	473863.09, 3851877.25	8.52E-04	2.69E-07	7.82E-08	8.70E-04	2.74E-07	7.98E-08	8.69E-04	2.74E-07	7.97E-08
3726	474363.09, 3851877.25	1.12E-03	3.52E-07	1.02E-07	1.14E-03	3.59E-07	1.05E-07	1.14E-03	3.59E-07	1.04E-07
3727	474863.09, 3851877.25	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.43E-03	4.50E-07	1.31E-07
3728	475363.09, 3851877.25	1.62E-03	5.11E-07	1.49E-07	1.65E-03	5.21E-07	1.52E-07	1.65E-03	5.21E-07	1.51E-07
3729	475863.09, 3851877.25	1.81E-03	5.73E-07	1.67E-07	1.85E-03	5.84E-07	1.70E-07	1.85E-03	5.84E-07	1.70E-07
3730	476363.09, 3851877.25	1.91E-03	6.03E-07	1.75E-07	1.95E-03	6.16E-07	1.79E-07	1.95E-03	6.15E-07	1.79E-07
3731	476863.09, 3851877.25	2.22E-03	7.00E-07	2.04E-07	2.26E-03	7.14E-07	2.08E-07	2.26E-03	7.13E-07	2.07E-07
3732	477363.09, 3851877.25	2.55E-03	8.06E-07	2.34E-07	2.61E-03	8.22E-07	2.39E-07	2.60E-03	8.22E-07	2.39E-07
3733	477863.09, 3851877.25	2.91E-03	9.19E-07	2.67E-07	2.97E-03	9.38E-07	2.73E-07	2.97E-03	9.36E-07	2.72E-07
3734	478363.09, 3851877.25	3.27E-03	1.03E-06	3.00E-07	3.33E-03	1.05E-06	3.06E-07	3.33E-03	1.05E-06	3.06E-07
3735	478863.09, 3851877.25	3.90E-03	1.23E-06	3.58E-07	3.98E-03	1.26E-06	3.66E-07	3.98E-03	1.26E-06	3.65E-07
3736	479363.09, 3851877.25	4.69E-03	1.48E-06	4.31E-07	4.79E-03	1.51E-06	4.40E-07	4.78E-03	1.51E-06	4.39E-07
3737	479863.09, 3851877.25	5.67E-03	1.79E-06	5.21E-07	5.79E-03	1.83E-06	5.31E-07	5.78E-03	1.83E-06	5.31E-07
3738	480363.09, 3851877.25	7.39E-03	2.33E-06	6.78E-07	7.54E-03	2.38E-06	6.92E-07	7.53E-03	2.38E-06	6.91E-07
3739	480863.09, 3851877.25	1.08E-02	3.39E-06	9.87E-07	1.10E-02	3.46E-06	1.01E-06	1.10E-02	3.46E-06	1.01E-06
3740	481363.09, 3851877.25	2.61E-02	8.24E-06	2.40E-06	2.66E-02	8.40E-06	2.44E-06	2.66E-02	8.39E-06	2.44E-06
3741	481863.09, 3851877.25	2.88E-02	9.10E-06	2.65E-06	2.94E-02	9.29E-06	2.70E-06	2.94E-02	9.27E-06	2.70E-06
3742	482363.09, 3851877.25	1.13E-02	3.58E-06	1.04E-06	1.16E-02	3.65E-06	1.06E-06	1.16E-02	3.65E-06	1.06E-06
3743	482863.09, 3851877.25	6.89E-03	2.17E-06	6.32E-07	7.03E-03	2.22E-06	6.45E-07	7.02E-03	2.21E-06	6.44E-07
3744	483363.09, 3851877.25	6.06E-03	1.91E-06	5.56E-07	6.18E-03	1.95E-06	5.67E-07	6.17E-03	1.95E-06	5.67E-07
3745	483863.09, 3851877.25	5.05E-03	1.59E-06	4.64E-07	5.16E-03	1.63E-06	4.73E-07	5.15E-03	1.63E-06	4.73E-07
3746	484363.09, 3851877.25	4.79E-03	1.51E-06	4.39E-07	4.88E-03	1.54E-06	4.48E-07	4.88E-03	1.54E-06	4.48E-07
3747	484863.09, 3851877.25	4.08E-03	1.29E-06	3.75E-07	4.17E-03	1.31E-06	3.82E-07	4.16E-03	1.31E-06	3.82E-07
3748	485363.09, 3851877.25	3.74E-03	1.18E-06	3.43E-07	3.82E-03	1.20E-06	3.50E-07	3.81E-03	1.20E-06	3.50E-07
3749	485863.09, 3851877.25	3.40E-03	1.07E-06	3.13E-07	3.47E-03	1.10E-06	3.19E-07	3.47E-03	1.10E-06	3.19E-07
3750	486363.09, 3851877.25	2.91E-03	9.20E-07	2.68E-07	2.97E-03	9.39E-07	2.73E-07	2.97E-03	9.37E-07	2.73E-07
3751	486863.09, 3851877.25	2.63E-03	8.29E-07	2.41E-07	2.68E-03	8.46E-07	2.46E-07	2.68E-03	8.45E-07	2.46E-07
3752	487363.09, 3851877.25	2.36E-03	7.46E-07	2.17E-07	2.41E-03	7.61E-07	2.21E-07	2.41E-03	7.61E-07	2.21E-07
3753	487863.09, 3851877.25	1.99E-03	6.30E-07	1.83E-07	2.04E-03	6.42E-07	1.87E-07	2.03E-03	6.42E-07	1.87E-07
3754	488363.09, 3851877.25	1.82E-03	5.75E-07	1.67E-07	1.86E-03	5.87E-07	1.71E-07	1.86E-03	5.86E-07	1.70E-07
3755	488863.09, 3851877.25	1.60E-03	5.05E-07	1.47E-07	1.63E-03	5.15E-07	1.50E-07	1.63E-03	5.15E-07	1.50E-07
3756	489363.09, 3851877.25	1.42E-03	4.47E-07	1.30E-07	1.45E-03	4.57E-07	1.33E-07	1.44E-03	4.56E-07	1.33E-07
3757	489863.09, 3851877.25	1.28E-03	4.05E-07	1.18E-07	1.31E-03	4.13E-07	1.20E-07	1.31E-03	4.12E-07	1.20E-07
3758	490363.09, 3851877.25	1.19E-03	3.76E-07	1.09E-07	1.21E-03	3.83E-07	1.11E-07	1.21E-03	3.83E-07	1.11E-07
3759	490863.09, 3851877.25	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.59E-07	1.05E-07
3760	491363.09, 3851877.25	1.06E-03	3.34E-07	9.73E-08	1.08E-03	3.41E-07	9.93E-08	1.08E-03	3.41E-07	9.91E-08
3761	491863.09, 3851877.25	9.95E-04	3.14E-07	9.14E-08	1.02E-03	3.20E-07	9.32E-08	1.01E-03	3.20E-07	9.31E-08
3762	492363.09, 3851877.25	8.96E-04	2.83E-07	8.23E-08	9.14E-04	2.89E-07	8.39E-08	9.13E-04	2.88E-07	8.38E-08
3763	492863.09, 3851877.25	7.15E-04	2.26E-07	6.56E-08	7.29E-04	2.30E-07	6.70E-08	7.29E-04	2.30E-07	6.69E-08
3764	493363.09, 3851877.25	7.94E-04	2.51E-07	7.29E-08	8.11E-04	2.56E-07	7.44E-08	8.10E-04	2.56E-07	7.43E-08
3765	493863.09, 3851877.25	8.62E-04	2.72E-07	7.91E-08	8.79E-04	2.77E-07	8.07E-08	8.78E-04	2.77E-07	8.06E-08
3766	494363.09, 3851877.25	7.88E-04	2.49E-07	7.23E-08	8.04E-04	2.54E-07	7.38E-08	8.03E-04	2.53E-07	7.37E-08
3767	494863.09, 3851877.25	8.06E-04	2.54E-07	7.40E-08	8.23E-04	2.60E-07	7.55E-08	8.22E-04	2.59E-07	7.54E-08
3768	495363.09, 3851877.25	7.96E-04	2.51E-07	7.31E-08	8.12E-04	2.56E-07	7.46E-08	8.11E-04	2.56E-07	7.45E-08
3769	495863.09, 3851877.25	7.76E-04	2.45E-07	7.12E-08	7.91E-04	2.50E-07	7.27E-08	7.90E-04	2.49E-07	7.26E-08
3770	496363.09, 3851877.25	7.33E-04	2.31E-07	6.73E-08	7.48E-04	2.36E-07	6.87E-08	7.47E-04	2.36E-07	6.86E-08
3771	496863.09, 3851877.25	6.90E-04	2.18E-07	6.33E-08	7.04E-04	2.22E-07	6.46E-08	7.03E-04	2.22E-07	6.45E-08
3772	497363.09, 3851877.25	6.46E-04	2.04E-07	5.94E-08	6.60E-04	2.08E-07	6.06E-08	6.59E-04	2.08E-07	6.05E-08
3773	497863.09, 3851877.25	5.87E-04	1.85E-07	5.39E-08	5.99E-04	1.89E-07	5.50E-08	5.98E-04	1.89E-07	5.49E-08
3774	498363.09, 3851877.25	5.34E-04	1.69E-07	4.90E-08	5.45E-04	1.72E-07	5.00E-08	5.44E-04	1.72E-07	5.00E-08
3775	471363.09, 3852377.25	4.11E-04	1.30E-07	3.77E-08	4.19E-04	1.32E-07	3.85E-08	4.19E-04	1.32E-07	3.85E-08
3776	471863.09, 3852377.25	5.12E-04	1.62E-07	4.70E-08	5.22E-04	1.65E-07	4.79E-08	5.22E-04	1.65E-07	4.79E-08
3777	472363.09, 3852377.25	5.91E-04	1.86E-07	5.42E-08	6.03E-04	1.90E-07	5.53E-08	6.02E-04	1.90E-07	5.53E-08
3778	472863.09, 3852377.25	6.72E-04	2.12E-07	6.17E-08	6.86E-04	2.16E-07	6.29E-08	6.85E-04	2.16E-07	6.29E-08

3779	473363.09, 3852377.25	7.33E-04	2.31E-07	6.73E-08	7.48E-04	2.36E-07	6.87E-08	7.47E-04	2.36E-07	6.86E-08
3780	473863.09, 3852377.25	7.75E-04	2.44E-07	7.11E-08	7.90E-04	2.49E-07	7.26E-08	7.90E-04	2.49E-07	7.25E-08
3781	474363.09, 3852377.25	8.24E-04	2.60E-07	7.57E-08	8.41E-04	2.66E-07	7.72E-08	8.40E-04	2.65E-07	7.71E-08
3782	474863.09, 3852377.25	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.73E-07	1.09E-07	1.18E-03	3.73E-07	1.08E-07
3783	475363.09, 3852377.25	1.25E-03	3.94E-07	1.15E-07	1.27E-03	4.02E-07	1.17E-07	1.27E-03	4.02E-07	1.17E-07
3784	475863.09, 3852377.25	1.33E-03	4.19E-07	1.22E-07	1.36E-03	4.28E-07	1.24E-07	1.35E-03	4.27E-07	1.24E-07
3785	476363.09, 3852377.25	1.36E-03	4.29E-07	1.25E-07	1.39E-03	4.38E-07	1.27E-07	1.39E-03	4.37E-07	1.27E-07
3786	476863.09, 3852377.25	1.52E-03	4.81E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.90E-07	1.42E-07
3787	477363.09, 3852377.25	1.62E-03	5.13E-07	1.49E-07	1.66E-03	5.23E-07	1.52E-07	1.66E-03	5.22E-07	1.52E-07
3788	477863.09, 3852377.25	1.38E-03	4.35E-07	1.26E-07	1.41E-03	4.44E-07	1.29E-07	1.40E-03	4.43E-07	1.29E-07
3789	478363.09, 3852377.25	1.24E-03	3.93E-07	1.14E-07	1.27E-03	4.01E-07	1.17E-07	1.27E-03	4.00E-07	1.16E-07
3790	478863.09, 3852377.25	1.87E-03	5.89E-07	1.71E-07	1.90E-03	6.01E-07	1.75E-07	1.90E-03	6.00E-07	1.75E-07
3791	479363.09, 3852377.25	2.40E-03	7.59E-07	2.21E-07	2.45E-03	7.74E-07	2.25E-07	2.45E-03	7.73E-07	2.25E-07
3792	479863.09, 3852377.25	3.67E-03	1.16E-06	3.37E-07	3.75E-03	1.18E-06	3.44E-07	3.74E-03	1.18E-06	3.44E-07
3793	480363.09, 3852377.25	4.76E-03	1.50E-06	4.37E-07	4.86E-03	1.53E-06	4.46E-07	4.85E-03	1.53E-06	4.46E-07
3794	480863.09, 3852377.25	6.15E-03	1.94E-06	5.65E-07	6.28E-03	1.98E-06	5.76E-07	6.27E-03	1.98E-06	5.75E-07
3795	481363.09, 3852377.25	9.26E-03	2.92E-06	8.50E-07	9.45E-03	2.98E-06	8.68E-07	9.44E-03	2.98E-06	8.67E-07
3796	481863.09, 3852377.25	2.62E-02	8.26E-06	2.40E-06	2.67E-02	8.43E-06	2.45E-06	2.67E-02	8.42E-06	2.45E-06
3797	482363.09, 3852377.25	2.60E-02	8.19E-06	2.38E-06	2.65E-02	8.36E-06	2.43E-06	2.65E-02	8.35E-06	2.43E-06
3798	482863.09, 3852377.25	1.23E-02	3.87E-06	1.13E-06	1.25E-02	3.95E-06	1.15E-06	1.25E-02	3.95E-06	1.15E-06
3799	483363.09, 3852377.25	7.20E-03	2.27E-06	6.61E-07	7.35E-03	2.32E-06	6.74E-07	7.34E-03	2.32E-06	6.74E-07
3800	483863.09, 3852377.25	5.44E-03	1.72E-06	5.00E-07	5.56E-03	1.75E-06	5.10E-07	5.55E-03	1.75E-06	5.09E-07
3801	484363.09, 3852377.25	5.16E-03	1.63E-06	4.73E-07	5.26E-03	1.66E-06	4.83E-07	5.26E-03	1.66E-06	4.82E-07
3802	484863.09, 3852377.25	4.68E-03	1.48E-06	4.30E-07	4.78E-03	1.51E-06	4.38E-07	4.77E-03	1.51E-06	4.38E-07
3803	485363.09, 3852377.25	4.21E-03	1.33E-06	3.87E-07	4.30E-03	1.36E-06	3.94E-07	4.29E-03	1.35E-06	3.94E-07
3804	485863.09, 3852377.25	3.55E-03	1.12E-06	3.26E-07	3.62E-03	1.14E-06	3.32E-07	3.61E-03	1.14E-06	3.32E-07
3805	486363.09, 3852377.25	2.90E-03	9.17E-07	2.67E-07	2.96E-03	9.35E-07	2.72E-07	2.96E-03	9.34E-07	2.72E-07
3806	486863.09, 3852377.25	2.54E-03	8.01E-07	2.33E-07	2.59E-03	8.17E-07	2.38E-07	2.59E-03	8.17E-07	2.37E-07
3807	487363.09, 3852377.25	2.18E-03	6.88E-07	2.00E-07	2.23E-03	7.03E-07	2.04E-07	2.22E-03	7.02E-07	2.04E-07
3808	487863.09, 3852377.25	1.88E-03	5.94E-07	1.73E-07	1.92E-03	6.06E-07	1.76E-07	1.92E-03	6.05E-07	1.76E-07
3809	488363.09, 3852377.25	1.63E-03	5.13E-07	1.49E-07	1.66E-03	5.23E-07	1.52E-07	1.66E-03	5.23E-07	1.52E-07
3810	488863.09, 3852377.25	1.39E-03	4.39E-07	1.28E-07	1.42E-03	4.48E-07	1.30E-07	1.42E-03	4.48E-07	1.30E-07
3811	489363.09, 3852377.25	1.22E-03	3.86E-07	1.12E-07	1.25E-03	3.94E-07	1.14E-07	1.25E-03	3.93E-07	1.14E-07
3812	489863.09, 3852377.25	1.04E-03	3.28E-07	9.54E-08	1.06E-03	3.35E-07	9.73E-08	1.06E-03	3.34E-07	9.72E-08
3813	490363.09, 3852377.25	1.05E-03	3.30E-07	9.61E-08	1.07E-03	3.37E-07	9.80E-08	1.07E-03	3.37E-07	9.79E-08
3814	490863.09, 3852377.25	1.03E-03	3.25E-07	9.47E-08	1.05E-03	3.32E-07	9.66E-08	1.05E-03	3.32E-07	9.65E-08
3815	491363.09, 3852377.25	1.10E-03	3.46E-07	1.01E-07	1.12E-03	3.53E-07	1.03E-07	1.12E-03	3.53E-07	1.03E-07
3816	491863.09, 3852377.25	1.04E-03	3.29E-07	9.56E-08	1.06E-03	3.35E-07	9.75E-08	1.06E-03	3.35E-07	9.74E-08
3817	492363.09, 3852377.25	9.83E-04	3.10E-07	9.02E-08	1.00E-03	3.17E-07	9.21E-08	1.00E-03	3.16E-07	9.20E-08
3818	492863.09, 3852377.25	9.67E-04	3.05E-07	8.88E-08	9.87E-04	3.11E-07	9.06E-08	9.85E-04	3.11E-07	9.05E-08
3819	493363.09, 3852377.25	9.81E-04	3.10E-07	9.01E-08	1.00E-03	3.16E-07	9.19E-08	1.00E-03	3.16E-07	9.18E-08
3820	493863.09, 3852377.25	9.20E-04	2.90E-07	8.45E-08	9.39E-04	2.96E-07	8.62E-08	9.38E-04	2.96E-07	8.61E-08
3821	494363.09, 3852377.25	8.65E-04	2.73E-07	7.94E-08	8.82E-04	2.79E-07	8.10E-08	8.81E-04	2.78E-07	8.09E-08
3822	494863.09, 3852377.25	8.55E-04	2.70E-07	7.84E-08	8.72E-04	2.75E-07	8.01E-08	8.71E-04	2.75E-07	8.00E-08
3823	495363.09, 3852377.25	8.44E-04	2.66E-07	7.75E-08	8.61E-04	2.72E-07	7.91E-08	8.60E-04	2.72E-07	7.90E-08
3824	495863.09, 3852377.25	7.88E-04	2.49E-07	7.23E-08	8.04E-04	2.54E-07	7.38E-08	8.03E-04	2.53E-07	7.37E-08
3825	496363.09, 3852377.25	7.33E-04	2.31E-07	6.73E-08	7.48E-04	2.36E-07	6.87E-08	7.47E-04	2.36E-07	6.86E-08
3826	496863.09, 3852377.25	6.91E-04	2.18E-07	6.35E-08	7.05E-04	2.23E-07	6.48E-08	7.05E-04	2.22E-07	6.47E-08
3827	497363.09, 3852377.25	6.20E-04	1.96E-07	5.69E-08	6.33E-04	2.00E-07	5.81E-08	6.32E-04	1.99E-07	5.80E-08
3828	497863.09, 3852377.25	5.50E-04	1.73E-07	5.05E-08	5.61E-04	1.77E-07	5.15E-08	5.60E-04	1.77E-07	5.14E-08
3829	498363.09, 3852377.25	4.86E-04	1.53E-07	4.46E-08	4.96E-04	1.57E-07	4.55E-08	4.96E-04	1.56E-07	4.55E-08
3830	471363.09, 3852877.25	4.14E-04	1.31E-07	3.80E-08	4.23E-04	1.33E-07	3.88E-08	4.22E-04	1.33E-07	3.88E-08
3831	471863.09, 3852877.25	4.81E-04	1.52E-07	4.42E-08	4.91E-04	1.55E-07	4.51E-08	4.90E-04	1.55E-07	4.50E-08
3832	472363.09, 3852877.25	5.49E-04	1.73E-07	5.04E-08	5.60E-04	1.77E-07	5.14E-08	5.60E-04	1.77E-07	5.14E-08
3833	472863.09, 3852877.25	6.16E-04	1.94E-07	5.65E-08	6.28E-04	1.98E-07	5.77E-08	6.28E-04	1.98E-07	5.76E-08
3834	473363.09, 3852877.25	6.86E-04	2.17E-07	6.30E-08	7.00E-04	2.21E-07	6.43E-08	6.99E-04	2.21E-07	6.42E-08
3835	473863.09, 3852877.25	7.76E-04	2.45E-07	7.13E-08	7.92E-04	2.50E-07	7.27E-08	7.91E-04	2.50E-07	7.26E-08
3836	474363.09, 3852877.25	8.70E-04	2.75E-07	7.99E-08	8.88E-04	2.80E-07	8.15E-08	8.87E-04	2.80E-07	8.14E-08
3837	474863.09, 3852877.25	8.17E-04	2.58E-07	7.50E-08	8.34E-04	2.63E-07	7.66E-08	8.33E-04	2.63E-07	7.65E-08
3838	475363.09, 3852877.25	9.48E-04	2.99E-07	8.71E-08	9.68E-04	3.05E-07	8.88E-08	9.66E-04	3.05E-07	8.87E-08
3839	475863.09, 3852877.25	1.01E-03	3.20E-07	9.29E-08	1.03E-03	3.26E-07	9.48E-08	1.03E-03	3.26E-07	9.47E-08

3840	476363.09, 3852877.25	9.52E-04	3.00E-07	8.74E-08	9.71E-04	3.07E-07	8.92E-08	9.70E-04	3.06E-07	8.91E-08
3841	476863.09, 3852877.25	7.98E-04	2.52E-07	7.33E-08	8.15E-04	2.57E-07	7.48E-08	8.14E-04	2.57E-07	7.47E-08
3842	477363.09, 3852877.25	7.03E-04	2.22E-07	6.45E-08	7.17E-04	2.26E-07	6.58E-08	7.16E-04	2.26E-07	6.58E-08
3843	477863.09, 3852877.25	5.94E-04	1.87E-07	5.45E-08	6.06E-04	1.91E-07	5.56E-08	6.05E-04	1.91E-07	5.56E-08
3844	478363.09, 3852877.25	4.22E-04	1.33E-07	3.88E-08	4.31E-04	1.36E-07	3.96E-08	4.30E-04	1.36E-07	3.95E-08
3845	478863.09, 3852877.25	5.77E-04	1.82E-07	5.30E-08	5.89E-04	1.86E-07	5.40E-08	5.88E-04	1.86E-07	5.40E-08
3846	479363.09, 3852877.25	9.63E-04	3.04E-07	8.84E-08	9.83E-04	3.10E-07	9.02E-08	9.81E-04	3.10E-07	9.01E-08
3847	479863.09, 3852877.25	2.02E-03	6.37E-07	1.85E-07	2.06E-03	6.50E-07	1.89E-07	2.06E-03	6.50E-07	1.89E-07
3848	480363.09, 3852877.25	3.35E-03	1.06E-06	3.07E-07	3.41E-03	1.08E-06	3.13E-07	3.41E-03	1.08E-06	3.13E-07
3849	480863.09, 3852877.25	4.18E-03	1.32E-06	3.84E-07	4.27E-03	1.35E-06	3.92E-07	4.26E-03	1.34E-06	3.91E-07
3850	481363.09, 3852877.25	5.53E-03	1.75E-06	5.08E-07	5.64E-03	1.78E-06	5.18E-07	5.64E-03	1.78E-06	5.17E-07
3851	481863.09, 3852877.25	8.70E-03	2.75E-06	7.99E-07	8.88E-03	2.80E-06	8.15E-07	8.87E-03	2.80E-06	8.14E-07
3852	482363.09, 3852877.25	2.89E-02	9.12E-06	2.65E-06	2.95E-02	9.30E-06	2.71E-06	2.94E-02	9.29E-06	2.70E-06
3853	482863.09, 3852877.25	2.41E-02	7.60E-06	2.21E-06	2.46E-02	7.75E-06	2.26E-06	2.45E-02	7.74E-06	2.25E-06
3854	483363.09, 3852877.25	1.09E-02	3.44E-06	1.00E-06	1.11E-02	3.51E-06	1.02E-06	1.11E-02	3.51E-06	1.02E-06
3855	483863.09, 3852877.25	6.26E-03	1.98E-06	5.75E-07	6.39E-03	2.02E-06	5.86E-07	6.38E-03	2.01E-06	5.86E-07
3856	484363.09, 3852877.25	5.64E-03	1.78E-06	5.18E-07	5.76E-03	1.82E-06	5.29E-07	5.75E-03	1.82E-06	5.28E-07
3857	484863.09, 3852877.25	4.87E-03	1.54E-06	4.47E-07	4.97E-03	1.57E-06	4.56E-07	4.96E-03	1.57E-06	4.56E-07
3858	485363.09, 3852877.25	3.51E-03	1.11E-06	3.22E-07	3.58E-03	1.13E-06	3.28E-07	3.57E-03	1.13E-06	3.28E-07
3859	485863.09, 3852877.25	2.90E-03	9.16E-07	2.67E-07	2.96E-03	9.35E-07	2.72E-07	2.96E-03	9.34E-07	2.72E-07
3860	486363.09, 3852877.25	2.41E-03	7.60E-07	2.21E-07	2.46E-03	7.75E-07	2.26E-07	2.45E-03	7.75E-07	2.25E-07
3861	486863.09, 3852877.25	2.12E-03	6.70E-07	1.95E-07	2.17E-03	6.84E-07	1.99E-07	2.16E-03	6.83E-07	1.99E-07
3862	487363.09, 3852877.25	1.82E-03	5.74E-07	1.67E-07	1.86E-03	5.86E-07	1.70E-07	1.85E-03	5.85E-07	1.70E-07
3863	487863.09, 3852877.25	1.59E-03	5.03E-07	1.46E-07	1.63E-03	5.13E-07	1.49E-07	1.62E-03	5.12E-07	1.49E-07
3864	488363.09, 3852877.25	1.12E-03	3.55E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.14E-03	3.61E-07	1.05E-07
3865	488863.09, 3852877.25	1.12E-03	3.52E-07	1.02E-07	1.14E-03	3.59E-07	1.05E-07	1.14E-03	3.59E-07	1.04E-07
3866	489363.09, 3852877.25	1.05E-03	3.33E-07	9.68E-08	1.08E-03	3.40E-07	9.88E-08	1.07E-03	3.39E-07	9.87E-08
3867	489863.09, 3852877.25	9.95E-04	3.14E-07	9.14E-08	1.02E-03	3.21E-07	9.32E-08	1.01E-03	3.20E-07	9.31E-08
3868	490363.09, 3852877.25	1.14E-03	3.60E-07	1.05E-07	1.16E-03	3.68E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
3869	490863.09, 3852877.25	1.14E-03	3.60E-07	1.05E-07	1.16E-03	3.67E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
3870	491363.09, 3852877.25	1.13E-03	3.56E-07	1.03E-07	1.15E-03	3.63E-07	1.06E-07	1.15E-03	3.63E-07	1.05E-07
3871	491863.09, 3852877.25	1.08E-03	3.40E-07	9.89E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
3872	492363.09, 3852877.25	1.04E-03	3.28E-07	9.55E-08	1.06E-03	3.35E-07	9.74E-08	1.06E-03	3.35E-07	9.73E-08
3873	492863.09, 3852877.25	1.04E-03	3.27E-07	9.51E-08	1.06E-03	3.34E-07	9.71E-08	1.06E-03	3.33E-07	9.70E-08
3874	493363.09, 3852877.25	1.01E-03	3.19E-07	9.29E-08	1.03E-03	3.26E-07	9.48E-08	1.03E-03	3.26E-07	9.47E-08
3875	493863.09, 3852877.25	9.56E-04	3.02E-07	8.78E-08	9.76E-04	3.08E-07	8.96E-08	9.75E-04	3.08E-07	8.95E-08
3876	494363.09, 3852877.25	9.11E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
3877	494863.09, 3852877.25	8.79E-04	2.78E-07	8.07E-08	8.97E-04	2.83E-07	8.24E-08	8.96E-04	2.83E-07	8.23E-08
3878	495363.09, 3852877.25	8.17E-04	2.58E-07	7.50E-08	8.33E-04	2.63E-07	7.65E-08	8.33E-04	2.63E-07	7.64E-08
3879	495863.09, 3852877.25	7.59E-04	2.39E-07	6.97E-08	7.74E-04	2.44E-07	7.11E-08	7.73E-04	2.44E-07	7.10E-08
3880	496363.09, 3852877.25	7.25E-04	2.29E-07	6.66E-08	7.40E-04	2.34E-07	6.79E-08	7.39E-04	2.33E-07	6.79E-08
3881	496863.09, 3852877.25	6.81E-04	2.15E-07	6.25E-08	6.95E-04	2.19E-07	6.38E-08	6.94E-04	2.19E-07	6.37E-08
3882	497363.09, 3852877.25	5.89E-04	1.86E-07	5.41E-08	6.01E-04	1.90E-07	5.52E-08	6.00E-04	1.89E-07	5.51E-08
3883	497863.09, 3852877.25	4.47E-04	1.41E-07	4.10E-08	4.56E-04	1.44E-07	4.18E-08	4.55E-04	1.44E-07	4.18E-08
3884	498363.09, 3852877.25	4.13E-04	1.30E-07	3.79E-08	4.21E-04	1.33E-07	3.87E-08	4.21E-04	1.33E-07	3.86E-08
3885	471363.09, 3853377.25	4.13E-04	1.30E-07	3.80E-08	4.22E-04	1.33E-07	3.87E-08	4.21E-04	1.33E-07	3.87E-08
3886	471863.09, 3853377.25	4.64E-04	1.46E-07	4.26E-08	4.73E-04	1.49E-07	4.34E-08	4.73E-04	1.49E-07	4.34E-08
3887	472363.09, 3853377.25	5.14E-04	1.62E-07	4.72E-08	5.24E-04	1.65E-07	4.81E-08	5.23E-04	1.65E-07	4.81E-08
3888	472863.09, 3853377.25	5.70E-04	1.80E-07	5.23E-08	5.81E-04	1.83E-07	5.34E-08	5.81E-04	1.83E-07	5.33E-08
3889	473363.09, 3853377.25	6.09E-04	1.92E-07	5.59E-08	6.22E-04	1.96E-07	5.71E-08	6.21E-04	1.96E-07	5.70E-08
3890	473863.09, 3853377.25	6.56E-04	2.07E-07	6.02E-08	6.69E-04	2.11E-07	6.14E-08	6.68E-04	2.11E-07	6.13E-08
3891	474363.09, 3853377.25	6.94E-04	2.19E-07	6.37E-08	7.08E-04	2.23E-07	6.50E-08	7.07E-04	2.23E-07	6.49E-08
3892	474863.09, 3853377.25	6.76E-04	2.13E-07	6.21E-08	6.90E-04	2.18E-07	6.34E-08	6.89E-04	2.18E-07	6.33E-08
3893	475363.09, 3853377.25	6.80E-04	2.15E-07	6.24E-08	6.94E-04	2.19E-07	6.37E-08	6.93E-04	2.19E-07	6.36E-08
3894	475863.09, 3853377.25	6.81E-04	2.15E-07	6.25E-08	6.95E-04	2.19E-07	6.38E-08	6.94E-04	2.19E-07	6.37E-08
3895	476363.09, 3853377.25	6.06E-04	1.91E-07	5.57E-08	6.19E-04	1.95E-07	5.68E-08	6.18E-04	1.95E-07	5.67E-08
3896	476863.09, 3853377.25	4.66E-04	1.47E-07	4.28E-08	4.75E-04	1.50E-07	4.36E-08	4.75E-04	1.50E-07	4.36E-08
3897	477363.09, 3853377.25	4.49E-04	1.42E-07	4.12E-08	4.58E-04	1.45E-07	4.21E-08	4.58E-04	1.44E-07	4.20E-08
3898	477863.09, 3853377.25	4.66E-04	1.47E-07	4.27E-08	4.75E-04	1.50E-07	4.36E-08	4.75E-04	1.50E-07	4.36E-08
3899	478363.09, 3853377.25	3.66E-04	1.16E-07	3.36E-08	3.74E-04	1.18E-07	3.43E-08	3.73E-04	1.18E-07	3.43E-08
3900	478863.09, 3853377.25	2.44E-04	7.69E-08	2.24E-08	2.49E-04	7.85E-08	2.28E-08	2.48E-04	7.84E-08	2.28E-08

3901	479363.09, 3853377.25	5.45E-04	1.72E-07	5.00E-08	5.56E-04	1.75E-07	5.10E-08	5.55E-04	1.75E-07	5.10E-08
3902	479863.09, 3853377.25	9.86E-04	3.11E-07	9.05E-08	1.01E-03	3.18E-07	9.24E-08	1.00E-03	3.17E-07	9.23E-08
3903	480363.09, 3853377.25	1.92E-03	6.06E-07	1.76E-07	1.96E-03	6.18E-07	1.80E-07	1.96E-03	6.18E-07	1.80E-07
3904	480863.09, 3853377.25	1.93E-03	6.09E-07	1.77E-07	1.97E-03	6.21E-07	1.81E-07	1.97E-03	6.20E-07	1.80E-07
3905	481363.09, 3853377.25	3.19E-03	1.01E-06	2.93E-07	3.25E-03	1.03E-06	2.99E-07	3.25E-03	1.03E-06	2.98E-07
3906	481863.09, 3853377.25	4.84E-03	1.53E-06	4.45E-07	4.94E-03	1.56E-06	4.54E-07	4.94E-03	1.56E-06	4.53E-07
3907	482363.09, 3853377.25	7.97E-03	2.51E-06	7.31E-07	8.13E-03	2.57E-06	7.46E-07	8.12E-03	2.56E-06	7.45E-07
3908	482863.09, 3853377.25	5.63E-02	1.78E-05	5.17E-06	5.74E-02	1.81E-05	5.27E-06	5.74E-02	1.81E-05	5.27E-06
3909	483363.09, 3853377.25	1.08E-02	3.41E-06	9.91E-07	1.10E-02	3.48E-06	1.01E-06	1.10E-02	3.47E-06	1.01E-06
3910	483863.09, 3853377.25	6.37E-03	2.01E-06	5.85E-07	6.50E-03	2.05E-06	5.97E-07	6.49E-03	2.05E-06	5.96E-07
3911	484363.09, 3853377.25	5.10E-03	1.61E-06	4.68E-07	5.20E-03	1.64E-06	4.77E-07	5.19E-03	1.64E-06	4.77E-07
3912	484863.09, 3853377.25	3.73E-03	1.18E-06	3.42E-07	3.80E-03	1.20E-06	3.49E-07	3.80E-03	1.20E-06	3.49E-07
3913	485363.09, 3853377.25	2.59E-03	8.16E-07	2.37E-07	2.64E-03	8.33E-07	2.42E-07	2.63E-03	8.32E-07	2.42E-07
3914	485863.09, 3853377.25	1.92E-03	6.05E-07	1.76E-07	1.96E-03	6.17E-07	1.80E-07	1.95E-03	6.16E-07	1.79E-07
3915	486363.09, 3853377.25	1.80E-03	5.69E-07	1.65E-07	1.84E-03	5.81E-07	1.69E-07	1.84E-03	5.80E-07	1.69E-07
3916	486863.09, 3853377.25	1.66E-03	5.25E-07	1.53E-07	1.70E-03	5.36E-07	1.56E-07	1.70E-03	5.35E-07	1.56E-07
3917	487363.09, 3853377.25	1.61E-03	5.07E-07	1.47E-07	1.64E-03	5.17E-07	1.50E-07	1.64E-03	5.17E-07	1.50E-07
3918	487863.09, 3853377.25	1.52E-03	4.81E-07	1.40E-07	1.55E-03	4.91E-07	1.43E-07	1.55E-03	4.90E-07	1.43E-07
3919	488363.09, 3853377.25	1.47E-03	4.65E-07	1.35E-07	1.50E-03	4.75E-07	1.38E-07	1.50E-03	4.74E-07	1.38E-07
3920	488863.09, 3853377.25	1.38E-03	4.36E-07	1.27E-07	1.41E-03	4.45E-07	1.30E-07	1.41E-03	4.45E-07	1.29E-07
3921	489363.09, 3853377.25	1.30E-03	4.09E-07	1.19E-07	1.32E-03	4.17E-07	1.21E-07	1.32E-03	4.17E-07	1.21E-07
3922	489863.09, 3853377.25	1.19E-03	3.76E-07	1.10E-07	1.22E-03	3.84E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
3923	490363.09, 3853377.25	1.17E-03	3.71E-07	1.08E-07	1.20E-03	3.78E-07	1.10E-07	1.20E-03	3.78E-07	1.10E-07
3924	490863.09, 3853377.25	1.14E-03	3.61E-07	1.05E-07	1.17E-03	3.68E-07	1.07E-07	1.17E-03	3.68E-07	1.07E-07
3925	491363.09, 3853377.25	1.11E-03	3.51E-07	1.02E-07	1.13E-03	3.58E-07	1.04E-07	1.13E-03	3.58E-07	1.04E-07
3926	491863.09, 3853377.25	1.08E-03	3.39E-07	9.87E-08	1.10E-03	3.46E-07	1.01E-07	1.10E-03	3.46E-07	1.01E-07
3927	492363.09, 3853377.25	1.06E-03	3.35E-07	9.74E-08	1.08E-03	3.42E-07	9.94E-08	1.08E-03	3.41E-07	9.93E-08
3928	492863.09, 3853377.25	1.05E-03	3.30E-07	9.60E-08	1.07E-03	3.37E-07	9.79E-08	1.07E-03	3.36E-07	9.78E-08
3929	493363.09, 3853377.25	1.01E-03	3.17E-07	9.23E-08	1.03E-03	3.24E-07	9.42E-08	1.02E-03	3.23E-07	9.41E-08
3930	493863.09, 3853377.25	9.64E-04	3.04E-07	8.85E-08	9.83E-04	3.10E-07	9.03E-08	9.82E-04	3.10E-07	9.02E-08
3931	494363.09, 3853377.25	9.06E-04	2.86E-07	8.32E-08	9.25E-04	2.92E-07	8.49E-08	9.24E-04	2.92E-07	8.48E-08
3932	494863.09, 3853377.25	8.46E-04	2.67E-07	7.76E-08	8.63E-04	2.72E-07	7.92E-08	8.62E-04	2.72E-07	7.91E-08
3933	495363.09, 3853377.25	8.05E-04	2.54E-07	7.39E-08	8.21E-04	2.59E-07	7.54E-08	8.20E-04	2.59E-07	7.53E-08
3934	495863.09, 3853377.25	7.55E-04	2.38E-07	6.93E-08	7.70E-04	2.43E-07	7.07E-08	7.69E-04	2.43E-07	7.06E-08
3935	496363.09, 3853377.25	6.96E-04	2.20E-07	6.39E-08	7.10E-04	2.24E-07	6.52E-08	7.09E-04	2.24E-07	6.51E-08
3936	496863.09, 3853377.25	6.18E-04	1.95E-07	5.67E-08	6.31E-04	1.99E-07	5.79E-08	6.30E-04	1.99E-07	5.78E-08
3937	497363.09, 3853377.25	5.21E-04	1.64E-07	4.78E-08	5.32E-04	1.68E-07	4.88E-08	5.31E-04	1.68E-07	4.87E-08
3938	497863.09, 3853377.25	3.47E-04	1.10E-07	3.19E-08	3.55E-04	1.12E-07	3.25E-08	3.54E-04	1.12E-07	3.25E-08
3939	498363.09, 3853377.25	2.69E-04	8.49E-08	2.47E-08	2.75E-04	8.66E-08	2.52E-08	2.74E-04	8.65E-08	2.52E-08
3940	471363.09, 3853877.25	4.03E-04	1.27E-07	3.70E-08	4.11E-04	1.30E-07	3.77E-08	4.10E-04	1.29E-07	3.77E-08
3941	471863.09, 3853877.25	4.51E-04	1.42E-07	4.14E-08	4.60E-04	1.45E-07	4.23E-08	4.60E-04	1.45E-07	4.22E-08
3942	472363.09, 3853877.25	4.84E-04	1.53E-07	4.44E-08	4.94E-04	1.56E-07	4.54E-08	4.93E-04	1.56E-07	4.53E-08
3943	472863.09, 3853877.25	5.28E-04	1.67E-07	4.84E-08	5.39E-04	1.70E-07	4.94E-08	5.38E-04	1.70E-07	4.94E-08
3944	473363.09, 3853877.25	5.52E-04	1.74E-07	5.07E-08	5.64E-04	1.78E-07	5.18E-08	5.63E-04	1.78E-07	5.17E-08
3945	473863.09, 3853877.25	5.78E-04	1.83E-07	5.31E-08	5.90E-04	1.86E-07	5.42E-08	5.90E-04	1.86E-07	5.41E-08
3946	474363.09, 3853877.25	6.10E-04	1.93E-07	5.60E-08	6.23E-04	1.97E-07	5.72E-08	6.22E-04	1.96E-07	5.71E-08
3947	474863.09, 3853877.25	6.29E-04	1.99E-07	5.78E-08	6.42E-04	2.03E-07	5.89E-08	6.41E-04	2.02E-07	5.89E-08
3948	475363.09, 3853877.25	5.90E-04	1.86E-07	5.42E-08	6.02E-04	1.90E-07	5.53E-08	6.02E-04	1.90E-07	5.52E-08
3949	475863.09, 3853877.25	4.73E-04	1.49E-07	4.34E-08	4.83E-04	1.52E-07	4.43E-08	4.82E-04	1.52E-07	4.43E-08
3950	476363.09, 3853877.25	3.58E-04	1.13E-07	3.28E-08	3.65E-04	1.15E-07	3.35E-08	3.65E-04	1.15E-07	3.35E-08
3951	476863.09, 3853877.25	2.35E-04	7.42E-08	2.16E-08	2.40E-04	7.57E-08	2.20E-08	2.40E-04	7.56E-08	2.20E-08
3952	477363.09, 3853877.25	2.61E-04	8.25E-08	2.40E-08	2.67E-04	8.42E-08	2.45E-08	2.66E-04	8.41E-08	2.45E-08
3953	477863.09, 3853877.25	3.22E-04	1.02E-07	2.96E-08	3.29E-04	1.04E-07	3.02E-08	3.29E-04	1.04E-07	3.02E-08
3954	478363.09, 3853877.25	3.41E-04	1.08E-07	3.13E-08	3.48E-04	1.10E-07	3.19E-08	3.47E-04	1.10E-07	3.19E-08
3955	478863.09, 3853877.25	1.94E-04	6.11E-08	1.78E-08	1.98E-04	6.23E-08	1.81E-08	1.97E-04	6.23E-08	1.81E-08
3956	479363.09, 3853877.25	3.15E-04	9.95E-08	2.89E-08	3.22E-04	1.02E-07	2.95E-08	3.21E-04	1.01E-07	2.95E-08
3957	479863.09, 3853877.25	7.25E-04	2.29E-07	6.65E-08	7.40E-04	2.33E-07	6.79E-08	7.39E-04	2.33E-07	6.78E-08
3958	480363.09, 3853877.25	1.10E-03	3.47E-07	1.01E-07	1.12E-03	3.54E-07	1.03E-07	1.12E-03	3.54E-07	1.03E-07
3959	480863.09, 3853877.25	1.81E-03	5.71E-07	1.66E-07	1.85E-03	5.83E-07	1.69E-07	1.84E-03	5.82E-07	1.69E-07
3960	481363.09, 3853877.25	2.34E-03	7.40E-07	2.15E-07	2.39E-03	7.55E-07	2.20E-07	2.39E-03	7.54E-07	2.19E-07
3961	481863.09, 3853877.25	2.95E-03	9.32E-07	2.71E-07	3.01E-03	9.51E-07	2.77E-07	3.01E-03	9.50E-07	2.76E-07

3962	482363.09, 3853877.25	3.42E-03	1.08E-06	3.14E-07	3.49E-03	1.10E-06	3.20E-07	3.48E-03	1.10E-06	3.20E-07
3963	482863.09, 3853877.25	3.59E-03	1.13E-06	3.29E-07	3.66E-03	1.16E-06	3.36E-07	3.66E-03	1.15E-06	3.36E-07
3964	483363.09, 3853877.25	3.46E-03	1.09E-06	3.18E-07	3.53E-03	1.12E-06	3.24E-07	3.53E-03	1.11E-06	3.24E-07
3965	483863.09, 3853877.25	3.28E-03	1.04E-06	3.02E-07	3.35E-03	1.06E-06	3.08E-07	3.35E-03	1.06E-06	3.07E-07
3966	484363.09, 3853877.25	2.77E-03	8.75E-07	2.55E-07	2.83E-03	8.93E-07	2.60E-07	2.83E-03	8.92E-07	2.59E-07
3967	484863.09, 3853877.25	2.26E-03	7.13E-07	2.07E-07	2.30E-03	7.27E-07	2.12E-07	2.30E-03	7.26E-07	2.11E-07
3968	485363.09, 3853877.25	1.69E-03	5.35E-07	1.56E-07	1.73E-03	5.46E-07	1.59E-07	1.73E-03	5.45E-07	1.59E-07
3969	485863.09, 3853877.25	1.72E-03	5.43E-07	1.58E-07	1.76E-03	5.54E-07	1.61E-07	1.75E-03	5.54E-07	1.61E-07
3970	486363.09, 3853877.25	1.56E-03	4.93E-07	1.43E-07	1.59E-03	5.03E-07	1.46E-07	1.59E-03	5.02E-07	1.46E-07
3971	486863.09, 3853877.25	1.42E-03	4.49E-07	1.30E-07	1.45E-03	4.58E-07	1.33E-07	1.45E-03	4.57E-07	1.33E-07
3972	487363.09, 3853877.25	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.43E-03	4.50E-07	1.31E-07
3973	487863.09, 3853877.25	1.44E-03	4.54E-07	1.32E-07	1.47E-03	4.63E-07	1.35E-07	1.46E-03	4.62E-07	1.34E-07
3974	488363.09, 3853877.25	1.40E-03	4.42E-07	1.29E-07	1.43E-03	4.51E-07	1.31E-07	1.43E-03	4.50E-07	1.31E-07
3975	488863.09, 3853877.25	1.39E-03	4.38E-07	1.27E-07	1.42E-03	4.47E-07	1.30E-07	1.41E-03	4.46E-07	1.30E-07
3976	489363.09, 3853877.25	1.28E-03	4.04E-07	1.18E-07	1.31E-03	4.12E-07	1.20E-07	1.30E-03	4.12E-07	1.20E-07
3977	489863.09, 3853877.25	1.24E-03	3.90E-07	1.14E-07	1.26E-03	3.98E-07	1.16E-07	1.26E-03	3.98E-07	1.16E-07
3978	490363.09, 3853877.25	1.17E-03	3.69E-07	1.07E-07	1.19E-03	3.77E-07	1.10E-07	1.19E-03	3.76E-07	1.10E-07
3979	490863.09, 3853877.25	1.13E-03	3.56E-07	1.03E-07	1.15E-03	3.63E-07	1.06E-07	1.15E-03	3.62E-07	1.05E-07
3980	491363.09, 3853877.25	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.50E-07	1.02E-07
3981	491863.09, 3853877.25	1.05E-03	3.32E-07	9.67E-08	1.07E-03	3.39E-07	9.87E-08	1.07E-03	3.39E-07	9.85E-08
3982	492363.09, 3853877.25	1.04E-03	3.28E-07	9.55E-08	1.06E-03	3.35E-07	9.74E-08	1.06E-03	3.35E-07	9.73E-08
3983	492863.09, 3853877.25	1.01E-03	3.20E-07	9.31E-08	1.03E-03	3.27E-07	9.50E-08	1.03E-03	3.26E-07	9.49E-08
3984	493363.09, 3853877.25	9.72E-04	3.07E-07	8.92E-08	9.92E-04	3.13E-07	9.11E-08	9.91E-04	3.13E-07	9.10E-08
3985	493863.09, 3853877.25	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.66E-08	9.42E-04	2.97E-07	8.65E-08
3986	494363.09, 3853877.25	8.85E-04	2.79E-07	8.12E-08	9.03E-04	2.85E-07	8.29E-08	9.02E-04	2.85E-07	8.28E-08
3987	494863.09, 3853877.25	8.36E-04	2.64E-07	7.67E-08	8.53E-04	2.69E-07	7.83E-08	8.52E-04	2.69E-07	7.82E-08
3988	495363.09, 3853877.25	7.49E-04	2.37E-07	6.88E-08	7.65E-04	2.41E-07	7.02E-08	7.64E-04	2.41E-07	7.01E-08
3989	495863.09, 3853877.25	6.76E-04	2.13E-07	6.21E-08	6.90E-04	2.18E-07	6.33E-08	6.89E-04	2.17E-07	6.32E-08
3990	496363.09, 3853877.25	6.26E-04	1.97E-07	5.74E-08	6.38E-04	2.01E-07	5.86E-08	6.38E-04	2.01E-07	5.85E-08
3991	496863.09, 3853877.25	5.40E-04	1.71E-07	4.96E-08	5.51E-04	1.74E-07	5.06E-08	5.51E-04	1.74E-07	5.06E-08
3992	497363.09, 3853877.25	4.67E-04	1.47E-07	4.29E-08	4.77E-04	1.51E-07	4.38E-08	4.76E-04	1.50E-07	4.37E-08
3993	497863.09, 3853877.25	3.70E-04	1.17E-07	3.39E-08	3.77E-04	1.19E-07	3.46E-08	3.77E-04	1.19E-07	3.46E-08
3994	498363.09, 3853877.25	3.14E-04	9.92E-08	2.89E-08	3.21E-04	1.01E-07	2.95E-08	3.20E-04	1.01E-07	2.94E-08
3995	471363.09, 3854377.25	3.90E-04	1.23E-07	3.58E-08	3.98E-04	1.26E-07	3.65E-08	3.98E-04	1.25E-07	3.65E-08
3996	471863.09, 3854377.25	4.31E-04	1.36E-07	3.96E-08	4.40E-04	1.39E-07	4.04E-08	4.39E-04	1.39E-07	4.03E-08
3997	472363.09, 3854377.25	4.65E-04	1.47E-07	4.27E-08	4.74E-04	1.50E-07	4.35E-08	4.74E-04	1.49E-07	4.35E-08
3998	472863.09, 3854377.25	4.89E-04	1.54E-07	4.49E-08	4.99E-04	1.57E-07	4.58E-08	4.98E-04	1.57E-07	4.57E-08
3999	473363.09, 3854377.25	5.20E-04	1.64E-07	4.78E-08	5.31E-04	1.68E-07	4.87E-08	5.30E-04	1.67E-07	4.87E-08
4000	473863.09, 3854377.25	5.59E-04	1.76E-07	5.13E-08	5.70E-04	1.80E-07	5.24E-08	5.70E-04	1.80E-07	5.23E-08
4001	474363.09, 3854377.25	5.91E-04	1.87E-07	5.43E-08	6.03E-04	1.90E-07	5.54E-08	6.03E-04	1.90E-07	5.53E-08
4002	474863.09, 3854377.25	5.55E-04	1.75E-07	5.10E-08	5.67E-04	1.79E-07	5.20E-08	5.66E-04	1.79E-07	5.20E-08
4003	475363.09, 3854377.25	4.56E-04	1.44E-07	4.19E-08	4.66E-04	1.47E-07	4.28E-08	4.65E-04	1.47E-07	4.27E-08
4004	475863.09, 3854377.25	2.68E-04	8.44E-08	2.46E-08	2.73E-04	8.62E-08	2.51E-08	2.73E-04	8.61E-08	2.50E-08
4005	476363.09, 3854377.25	2.17E-04	6.86E-08	2.00E-08	2.22E-04	7.00E-08	2.04E-08	2.22E-04	7.00E-08	2.03E-08
4006	476863.09, 3854377.25	1.93E-04	6.10E-08	1.77E-08	1.97E-04	6.23E-08	1.81E-08	1.97E-04	6.22E-08	1.81E-08
4007	477363.09, 3854377.25	1.79E-04	5.66E-08	1.65E-08	1.83E-04	5.78E-08	1.68E-08	1.83E-04	5.77E-08	1.68E-08
4008	477863.09, 3854377.25	1.75E-04	5.53E-08	1.61E-08	1.79E-04	5.65E-08	1.64E-08	1.79E-04	5.64E-08	1.64E-08
4009	478363.09, 3854377.25	2.18E-04	6.87E-08	2.00E-08	2.22E-04	7.01E-08	2.04E-08	2.22E-04	7.00E-08	2.04E-08
4010	478863.09, 3854377.25	2.38E-04	7.52E-08	2.19E-08	2.43E-04	7.68E-08	2.23E-08	2.43E-04	7.67E-08	2.23E-08
4011	479363.09, 3854377.25	4.42E-04	1.40E-07	4.06E-08	4.51E-04	1.42E-07	4.14E-08	4.50E-04	1.42E-07	4.14E-08
4012	479863.09, 3854377.25	5.88E-04	1.86E-07	5.40E-08	6.00E-04	1.89E-07	5.51E-08	5.99E-04	1.89E-07	5.50E-08
4013	480363.09, 3854377.25	8.19E-04	2.58E-07	7.52E-08	8.36E-04	2.64E-07	7.67E-08	8.35E-04	2.63E-07	7.66E-08
4014	480863.09, 3854377.25	1.21E-03	3.83E-07	1.11E-07	1.24E-03	3.90E-07	1.14E-07	1.24E-03	3.90E-07	1.13E-07
4015	481363.09, 3854377.25	1.61E-03	5.07E-07	1.47E-07	1.64E-03	5.17E-07	1.50E-07	1.64E-03	5.16E-07	1.50E-07
4016	481863.09, 3854377.25	2.00E-03	6.32E-07	1.84E-07	2.04E-03	6.45E-07	1.88E-07	2.04E-03	6.44E-07	1.87E-07
4017	482363.09, 3854377.25	2.07E-03	6.52E-07	1.90E-07	2.11E-03	6.65E-07	1.94E-07	2.11E-03	6.65E-07	1.93E-07
4018	482863.09, 3854377.25	2.06E-03	6.50E-07	1.89E-07	2.10E-03	6.63E-07	1.93E-07	2.10E-03	6.62E-07	1.93E-07
4019	483363.09, 3854377.25	2.02E-03	6.36E-07	1.85E-07	2.06E-03	6.49E-07	1.89E-07	2.06E-03	6.49E-07	1.89E-07
4020	483863.09, 3854377.25	1.83E-03	5.77E-07	1.68E-07	1.87E-03	5.89E-07	1.71E-07	1.86E-03	5.88E-07	1.71E-07
4021	484363.09, 3854377.25	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
4022	484863.09, 3854377.25	1.28E-03	4.05E-07	1.18E-07	1.31E-03	4.14E-07	1.20E-07	1.31E-03	4.13E-07	1.20E-07

4023	485363.09, 3854377.25	1.47E-03	4.64E-07	1.35E-07	1.50E-03	4.74E-07	1.38E-07	1.50E-03	4.73E-07	1.38E-07
4024	485863.09, 3854377.25	1.31E-03	4.14E-07	1.20E-07	1.34E-03	4.22E-07	1.23E-07	1.34E-03	4.22E-07	1.23E-07
4025	486363.09, 3854377.25	1.37E-03	4.32E-07	1.26E-07	1.40E-03	4.41E-07	1.28E-07	1.40E-03	4.40E-07	1.28E-07
4026	486863.09, 3854377.25	1.29E-03	4.06E-07	1.18E-07	1.31E-03	4.15E-07	1.21E-07	1.31E-03	4.14E-07	1.20E-07
4027	487363.09, 3854377.25	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.29E-03	4.09E-07	1.19E-07
4028	487863.09, 3854377.25	1.30E-03	4.09E-07	1.19E-07	1.32E-03	4.17E-07	1.21E-07	1.32E-03	4.17E-07	1.21E-07
4029	488363.09, 3854377.25	1.29E-03	4.08E-07	1.19E-07	1.32E-03	4.16E-07	1.21E-07	1.32E-03	4.16E-07	1.21E-07
4030	488863.09, 3854377.25	1.27E-03	4.00E-07	1.16E-07	1.29E-03	4.08E-07	1.19E-07	1.29E-03	4.08E-07	1.19E-07
4031	489363.09, 3854377.25	1.23E-03	3.88E-07	1.13E-07	1.26E-03	3.96E-07	1.15E-07	1.25E-03	3.96E-07	1.15E-07
4032	489863.09, 3854377.25	1.18E-03	3.73E-07	1.09E-07	1.21E-03	3.81E-07	1.11E-07	1.21E-03	3.80E-07	1.11E-07
4033	490363.09, 3854377.25	1.13E-03	3.56E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.63E-07	1.06E-07
4034	490863.09, 3854377.25	9.87E-04	3.11E-07	9.06E-08	1.01E-03	3.18E-07	9.24E-08	1.01E-03	3.17E-07	9.23E-08
4035	491363.09, 3854377.25	1.01E-03	3.19E-07	9.29E-08	1.03E-03	3.26E-07	9.48E-08	1.03E-03	3.26E-07	9.47E-08
4036	491863.09, 3854377.25	1.01E-03	3.20E-07	9.32E-08	1.04E-03	3.27E-07	9.51E-08	1.03E-03	3.26E-07	9.50E-08
4037	492363.09, 3854377.25	9.94E-04	3.14E-07	9.13E-08	1.01E-03	3.20E-07	9.31E-08	1.01E-03	3.20E-07	9.30E-08
4038	492863.09, 3854377.25	9.59E-04	3.03E-07	8.81E-08	9.79E-04	3.09E-07	8.98E-08	9.78E-04	3.09E-07	8.97E-08
4039	493363.09, 3854377.25	9.17E-04	2.89E-07	8.42E-08	9.35E-04	2.95E-07	8.59E-08	9.34E-04	2.95E-07	8.58E-08
4040	493863.09, 3854377.25	8.73E-04	2.76E-07	8.02E-08	8.91E-04	2.81E-07	8.18E-08	8.90E-04	2.81E-07	8.17E-08
4041	494363.09, 3854377.25	8.33E-04	2.63E-07	7.65E-08	8.50E-04	2.68E-07	7.80E-08	8.49E-04	2.68E-07	7.79E-08
4042	494863.09, 3854377.25	7.28E-04	2.30E-07	6.68E-08	7.42E-04	2.34E-07	6.82E-08	7.42E-04	2.34E-07	6.81E-08
4043	495363.09, 3854377.25	6.10E-04	1.92E-07	5.60E-08	6.22E-04	1.96E-07	5.71E-08	6.21E-04	1.96E-07	5.70E-08
4044	495863.09, 3854377.25	5.27E-04	1.66E-07	4.84E-08	5.38E-04	1.70E-07	4.94E-08	5.38E-04	1.70E-07	4.94E-08
4045	496363.09, 3854377.25	4.88E-04	1.54E-07	4.48E-08	4.98E-04	1.57E-07	4.57E-08	4.98E-04	1.57E-07	4.57E-08
4046	496863.09, 3854377.25	4.35E-04	1.37E-07	3.99E-08	4.44E-04	1.40E-07	4.07E-08	4.43E-04	1.40E-07	4.07E-08
4047	497363.09, 3854377.25	3.48E-04	1.10E-07	3.20E-08	3.55E-04	1.12E-07	3.26E-08	3.55E-04	1.12E-07	3.26E-08
4048	497863.09, 3854377.25	3.64E-04	1.15E-07	3.34E-08	3.72E-04	1.17E-07	3.41E-08	3.71E-04	1.17E-07	3.41E-08
4049	498363.09, 3854377.25	3.19E-04	1.01E-07	2.93E-08	3.26E-04	1.03E-07	2.99E-08	3.25E-04	1.03E-07	2.99E-08
4050	471363.09, 3854877.25	3.84E-04	1.21E-07	3.52E-08	3.92E-04	1.24E-07	3.60E-08	3.91E-04	1.24E-07	3.59E-08
4051	471863.09, 3854877.25	4.13E-04	1.30E-07	3.79E-08	4.21E-04	1.33E-07	3.86E-08	4.20E-04	1.33E-07	3.86E-08
4052	472363.09, 3854877.25	4.39E-04	1.39E-07	4.03E-08	4.48E-04	1.41E-07	4.12E-08	4.48E-04	1.41E-07	4.11E-08
4053	472863.09, 3854877.25	4.48E-04	1.41E-07	4.11E-08	4.57E-04	1.44E-07	4.20E-08	4.56E-04	1.44E-07	4.19E-08
4054	473363.09, 3854877.25	4.85E-04	1.53E-07	4.46E-08	4.95E-04	1.56E-07	4.55E-08	4.95E-04	1.56E-07	4.54E-08
4055	473863.09, 3854877.25	5.20E-04	1.64E-07	4.77E-08	5.30E-04	1.67E-07	4.87E-08	5.30E-04	1.67E-07	4.86E-08
4056	474363.09, 3854877.25	5.63E-04	1.78E-07	5.17E-08	5.75E-04	1.81E-07	5.28E-08	5.74E-04	1.81E-07	5.27E-08
4057	474863.09, 3854877.25	4.64E-04	1.46E-07	4.26E-08	4.73E-04	1.49E-07	4.34E-08	4.73E-04	1.49E-07	4.34E-08
4058	475363.09, 3854877.25	3.34E-04	1.05E-07	3.06E-08	3.41E-04	1.08E-07	3.13E-08	3.40E-04	1.07E-07	3.12E-08
4059	475863.09, 3854877.25	2.16E-04	6.82E-08	1.98E-08	2.20E-04	6.96E-08	2.02E-08	2.20E-04	6.95E-08	2.02E-08
4060	476363.09, 3854877.25	1.00E-04	3.16E-08	9.20E-09	1.02E-04	3.23E-08	9.39E-09	1.02E-04	3.22E-08	9.37E-09
4061	476863.09, 3854877.25	9.16E-05	2.89E-08	8.41E-09	9.35E-05	2.95E-08	8.58E-09	9.34E-05	2.95E-08	8.57E-09
4062	477363.09, 3854877.25	1.20E-04	3.79E-08	1.10E-08	1.23E-04	3.87E-08	1.13E-08	1.23E-04	3.87E-08	1.12E-08
4063	477863.09, 3854877.25	1.48E-04	4.66E-08	1.36E-08	1.51E-04	4.75E-08	1.38E-08	1.50E-04	4.75E-08	1.38E-08
4064	478363.09, 3854877.25	2.26E-04	7.14E-08	2.08E-08	2.31E-04	7.29E-08	2.12E-08	2.31E-04	7.28E-08	2.12E-08
4065	478863.09, 3854877.25	3.57E-04	1.13E-07	3.28E-08	3.64E-04	1.15E-07	3.34E-08	3.64E-04	1.15E-07	3.34E-08
4066	479363.09, 3854877.25	5.24E-04	1.65E-07	4.81E-08	5.35E-04	1.69E-07	4.91E-08	5.34E-04	1.69E-07	4.90E-08
4067	479863.09, 3854877.25	7.13E-04	2.25E-07	6.55E-08	7.28E-04	2.30E-07	6.68E-08	7.27E-04	2.29E-07	6.67E-08
4068	480363.09, 3854877.25	8.59E-04	2.71E-07	7.88E-08	8.76E-04	2.77E-07	8.04E-08	8.75E-04	2.76E-07	8.03E-08
4069	480863.09, 3854877.25	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.59E-07	1.05E-07
4070	481363.09, 3854877.25	1.27E-03	4.00E-07	1.16E-07	1.29E-03	4.08E-07	1.19E-07	1.29E-03	4.08E-07	1.19E-07
4071	481863.09, 3854877.25	1.20E-03	3.79E-07	1.10E-07	1.22E-03	3.86E-07	1.12E-07	1.22E-03	3.86E-07	1.12E-07
4072	482363.09, 3854877.25	1.50E-03	4.75E-07	1.38E-07	1.54E-03	4.85E-07	1.41E-07	1.53E-03	4.84E-07	1.41E-07
4073	482863.09, 3854877.25	1.49E-03	4.71E-07	1.37E-07	1.52E-03	4.80E-07	1.40E-07	1.52E-03	4.80E-07	1.40E-07
4074	483363.09, 3854877.25	1.49E-03	4.72E-07	1.37E-07	1.52E-03	4.81E-07	1.40E-07	1.52E-03	4.81E-07	1.40E-07
4075	483863.09, 3854877.25	1.46E-03	4.61E-07	1.34E-07	1.49E-03	4.71E-07	1.37E-07	1.49E-03	4.70E-07	1.37E-07
4076	484363.09, 3854877.25	1.34E-03	4.23E-07	1.23E-07	1.37E-03	4.32E-07	1.26E-07	1.37E-03	4.31E-07	1.25E-07
4077	484863.09, 3854877.25	1.30E-03	4.10E-07	1.19E-07	1.33E-03	4.19E-07	1.22E-07	1.32E-03	4.18E-07	1.22E-07
4078	485363.09, 3854877.25	1.23E-03	3.90E-07	1.13E-07	1.26E-03	3.98E-07	1.16E-07	1.26E-03	3.97E-07	1.16E-07
4079	485863.09, 3854877.25	1.20E-03	3.80E-07	1.10E-07	1.23E-03	3.87E-07	1.13E-07	1.23E-03	3.87E-07	1.13E-07
4080	486363.09, 3854877.25	1.17E-03	3.69E-07	1.07E-07	1.19E-03	3.76E-07	1.10E-07	1.19E-03	3.76E-07	1.09E-07
4081	486863.09, 3854877.25	1.16E-03	3.66E-07	1.07E-07	1.18E-03	3.74E-07	1.09E-07	1.18E-03	3.73E-07	1.09E-07
4082	487363.09, 3854877.25	1.20E-03	3.79E-07	1.10E-07	1.23E-03	3.87E-07	1.12E-07	1.22E-03	3.86E-07	1.12E-07
4083	487863.09, 3854877.25	1.20E-03	3.77E-07	1.10E-07	1.22E-03	3.85E-07	1.12E-07	1.22E-03	3.85E-07	1.12E-07

4084	488363.09, 3854877.25	1.17E-03	3.70E-07	1.08E-07	1.20E-03	3.77E-07	1.10E-07	1.19E-03	3.77E-07	1.10E-07
4085	488863.09, 3854877.25	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.73E-07	1.09E-07	1.18E-03	3.73E-07	1.08E-07
4086	489363.09, 3854877.25	1.13E-03	3.57E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
4087	489863.09, 3854877.25	1.07E-03	3.39E-07	9.85E-08	1.10E-03	3.46E-07	1.01E-07	1.09E-03	3.45E-07	1.00E-07
4088	490363.09, 3854877.25	9.11E-04	2.88E-07	8.37E-08	9.30E-04	2.94E-07	8.54E-08	9.29E-04	2.93E-07	8.53E-08
4089	490863.09, 3854877.25	7.15E-04	2.26E-07	6.56E-08	7.29E-04	2.30E-07	6.69E-08	7.28E-04	2.30E-07	6.69E-08
4090	491363.09, 3854877.25	7.61E-04	2.40E-07	6.98E-08	7.76E-04	2.45E-07	7.13E-08	7.75E-04	2.45E-07	7.12E-08
4091	491863.09, 3854877.25	9.46E-04	2.99E-07	8.69E-08	9.65E-04	3.05E-07	8.86E-08	9.64E-04	3.04E-07	8.85E-08
4092	492363.09, 3854877.25	9.33E-04	2.95E-07	8.57E-08	9.53E-04	3.01E-07	8.74E-08	9.51E-04	3.00E-07	8.73E-08
4093	492863.09, 3854877.25	9.00E-04	2.84E-07	8.26E-08	9.18E-04	2.90E-07	8.43E-08	9.17E-04	2.89E-07	8.42E-08
4094	493363.09, 3854877.25	8.57E-04	2.71E-07	7.87E-08	8.75E-04	2.76E-07	8.03E-08	8.74E-04	2.76E-07	8.02E-08
4095	493863.09, 3854877.25	8.20E-04	2.59E-07	7.53E-08	8.37E-04	2.64E-07	7.68E-08	8.36E-04	2.64E-07	7.67E-08
4096	494363.09, 3854877.25	6.98E-04	2.20E-07	6.41E-08	7.12E-04	2.25E-07	6.54E-08	7.11E-04	2.24E-07	6.53E-08
4097	494863.09, 3854877.25	5.52E-04	1.74E-07	5.06E-08	5.63E-04	1.78E-07	5.17E-08	5.62E-04	1.77E-07	5.16E-08
4098	495363.09, 3854877.25	4.55E-04	1.44E-07	4.18E-08	4.64E-04	1.47E-07	4.26E-08	4.64E-04	1.46E-07	4.26E-08
4099	495863.09, 3854877.25	4.03E-04	1.27E-07	3.70E-08	4.11E-04	1.30E-07	3.77E-08	4.11E-04	1.30E-07	3.77E-08
4100	496363.09, 3854877.25	3.31E-04	1.05E-07	3.04E-08	3.38E-04	1.07E-07	3.10E-08	3.38E-04	1.07E-07	3.10E-08
4101	496863.09, 3854877.25	2.91E-04	9.20E-08	2.68E-08	2.97E-04	9.39E-08	2.73E-08	2.97E-04	9.37E-08	2.73E-08
4102	497363.09, 3854877.25	2.85E-04	8.98E-08	2.61E-08	2.90E-04	9.17E-08	2.67E-08	2.90E-04	9.16E-08	2.66E-08
4103	497863.09, 3854877.25	3.20E-04	1.01E-07	2.94E-08	3.27E-04	1.03E-07	3.00E-08	3.26E-04	1.03E-07	2.99E-08
4104	498363.09, 3854877.25	3.19E-04	1.01E-07	2.93E-08	3.26E-04	1.03E-07	2.99E-08	3.25E-04	1.03E-07	2.99E-08
4105	471363.09, 3855377.25	3.81E-04	1.20E-07	3.50E-08	3.89E-04	1.23E-07	3.57E-08	3.88E-04	1.23E-07	3.56E-08
4106	471863.09, 3855377.25	3.97E-04	1.25E-07	3.65E-08	4.05E-04	1.28E-07	3.72E-08	4.05E-04	1.28E-07	3.72E-08
4107	472363.09, 3855377.25	4.28E-04	1.35E-07	3.93E-08	4.37E-04	1.38E-07	4.01E-08	4.37E-04	1.38E-07	4.01E-08
4108	472863.09, 3855377.25	4.42E-04	1.40E-07	4.06E-08	4.51E-04	1.42E-07	4.14E-08	4.50E-04	1.42E-07	4.14E-08
4109	473363.09, 3855377.25	4.79E-04	1.51E-07	4.40E-08	4.89E-04	1.54E-07	4.49E-08	4.88E-04	1.54E-07	4.48E-08
4110	473863.09, 3855377.25	5.09E-04	1.61E-07	4.67E-08	5.19E-04	1.64E-07	4.76E-08	5.18E-04	1.64E-07	4.76E-08
4111	474363.09, 3855377.25	5.32E-04	1.68E-07	4.88E-08	5.42E-04	1.71E-07	4.98E-08	5.42E-04	1.71E-07	4.97E-08
4112	474863.09, 3855377.25	4.51E-04	1.42E-07	4.14E-08	4.60E-04	1.45E-07	4.23E-08	4.60E-04	1.45E-07	4.22E-08
4113	475363.09, 3855377.25	1.74E-04	5.51E-08	1.60E-08	1.78E-04	5.62E-08	1.63E-08	1.78E-04	5.61E-08	1.63E-08
4114	475863.09, 3855377.25	1.06E-04	3.36E-08	9.77E-09	1.09E-04	3.43E-08	9.96E-09	1.08E-04	3.42E-08	9.95E-09
4115	476363.09, 3855377.25	1.32E-04	4.18E-08	1.21E-08	1.35E-04	4.26E-08	1.24E-08	1.35E-04	4.26E-08	1.24E-08
4116	476863.09, 3855377.25	1.19E-04	3.77E-08	1.10E-08	1.22E-04	3.84E-08	1.12E-08	1.22E-04	3.84E-08	1.12E-08
4117	477363.09, 3855377.25	1.33E-04	4.21E-08	1.23E-08	1.36E-04	4.30E-08	1.25E-08	1.36E-04	4.29E-08	1.25E-08
4118	477863.09, 3855377.25	1.93E-04	6.10E-08	1.77E-08	1.97E-04	6.23E-08	1.81E-08	1.97E-04	6.22E-08	1.81E-08
4119	478363.09, 3855377.25	2.69E-04	8.49E-08	2.47E-08	2.75E-04	8.66E-08	2.52E-08	2.74E-04	8.65E-08	2.52E-08
4120	478863.09, 3855377.25	3.50E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.28E-08	3.56E-04	1.13E-07	3.27E-08
4121	479363.09, 3855377.25	4.60E-04	1.45E-07	4.23E-08	4.70E-04	1.48E-07	4.31E-08	4.69E-04	1.48E-07	4.31E-08
4122	479863.09, 3855377.25	5.63E-04	1.78E-07	5.17E-08	5.75E-04	1.81E-07	5.28E-08	5.74E-04	1.81E-07	5.27E-08
4123	480363.09, 3855377.25	7.53E-04	2.38E-07	6.91E-08	7.69E-04	2.43E-07	7.06E-08	7.68E-04	2.42E-07	7.05E-08
4124	480863.09, 3855377.25	9.77E-04	3.08E-07	8.97E-08	9.97E-04	3.15E-07	9.16E-08	9.96E-04	3.14E-07	9.15E-08
4125	481363.09, 3855377.25	1.14E-03	3.60E-07	1.05E-07	1.16E-03	3.67E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
4126	481863.09, 3855377.25	1.20E-03	3.78E-07	1.10E-07	1.22E-03	3.86E-07	1.12E-07	1.22E-03	3.85E-07	1.12E-07
4127	482363.09, 3855377.25	1.19E-03	3.76E-07	1.09E-07	1.22E-03	3.84E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
4128	482863.09, 3855377.25	1.19E-03	3.74E-07	1.09E-07	1.21E-03	3.82E-07	1.11E-07	1.21E-03	3.81E-07	1.11E-07
4129	483363.09, 3855377.25	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.83E-07	1.11E-07	1.21E-03	3.83E-07	1.11E-07
4130	483863.09, 3855377.25	1.20E-03	3.78E-07	1.10E-07	1.22E-03	3.86E-07	1.12E-07	1.22E-03	3.85E-07	1.12E-07
4131	484363.09, 3855377.25	1.19E-03	3.77E-07	1.10E-07	1.22E-03	3.85E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
4132	484863.09, 3855377.25	1.17E-03	3.70E-07	1.08E-07	1.20E-03	3.78E-07	1.10E-07	1.20E-03	3.77E-07	1.10E-07
4133	485363.09, 3855377.25	1.16E-03	3.65E-07	1.06E-07	1.18E-03	3.72E-07	1.08E-07	1.18E-03	3.72E-07	1.08E-07
4134	485863.09, 3855377.25	1.09E-03	3.45E-07	1.00E-07	1.12E-03	3.52E-07	1.02E-07	1.12E-03	3.52E-07	1.02E-07
4135	486363.09, 3855377.25	1.05E-03	3.32E-07	9.65E-08	1.07E-03	3.39E-07	9.85E-08	1.07E-03	3.38E-07	9.83E-08
4136	486863.09, 3855377.25	1.02E-03	3.21E-07	9.34E-08	1.04E-03	3.28E-07	9.53E-08	1.04E-03	3.27E-07	9.52E-08
4137	487363.09, 3855377.25	1.06E-03	3.33E-07	9.70E-08	1.08E-03	3.40E-07	9.90E-08	1.08E-03	3.40E-07	9.88E-08
4138	487863.09, 3855377.25	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
4139	488363.09, 3855377.25	1.10E-03	3.47E-07	1.01E-07	1.12E-03	3.54E-07	1.03E-07	1.12E-03	3.54E-07	1.03E-07
4140	488863.09, 3855377.25	1.08E-03	3.41E-07	9.92E-08	1.10E-03	3.48E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
4141	489363.09, 3855377.25	1.04E-03	3.27E-07	9.52E-08	1.06E-03	3.34E-07	9.72E-08	1.06E-03	3.34E-07	9.71E-08
4142	489863.09, 3855377.25	9.89E-04	3.12E-07	9.08E-08	1.01E-03	3.18E-07	9.26E-08	1.01E-03	3.18E-07	9.25E-08
4143	490363.09, 3855377.25	9.72E-04	3.07E-07	8.92E-08	9.91E-04	3.13E-07	9.10E-08	9.90E-04	3.13E-07	9.09E-08
4144	490863.09, 3855377.25	7.69E-04	2.43E-07	7.06E-08	7.85E-04	2.48E-07	7.20E-08	7.84E-04	2.47E-07	7.20E-08

4145	491363.09, 3855377.25	6.94E-04	2.19E-07	6.37E-08	7.08E-04	2.23E-07	6.50E-08	7.07E-04	2.23E-07	6.49E-08
4146	491863.09, 3855377.25	8.69E-04	2.74E-07	7.98E-08	8.87E-04	2.80E-07	8.14E-08	8.86E-04	2.80E-07	8.13E-08
4147	492363.09, 3855377.25	8.60E-04	2.71E-07	7.90E-08	8.78E-04	2.77E-07	8.06E-08	8.77E-04	2.77E-07	8.05E-08
4148	492863.09, 3855377.25	8.32E-04	2.63E-07	7.64E-08	8.49E-04	2.68E-07	7.80E-08	8.48E-04	2.68E-07	7.79E-08
4149	493363.09, 3855377.25	7.79E-04	2.46E-07	7.16E-08	7.95E-04	2.51E-07	7.30E-08	7.94E-04	2.51E-07	7.29E-08
4150	493863.09, 3855377.25	6.73E-04	2.13E-07	6.18E-08	6.87E-04	2.17E-07	6.31E-08	6.86E-04	2.17E-07	6.30E-08
4151	494363.09, 3855377.25	5.45E-04	1.72E-07	5.01E-08	5.57E-04	1.76E-07	5.11E-08	5.56E-04	1.75E-07	5.10E-08
4152	494863.09, 3855377.25	4.19E-04	1.32E-07	3.84E-08	4.27E-04	1.35E-07	3.92E-08	4.27E-04	1.35E-07	3.92E-08
4153	495363.09, 3855377.25	3.33E-04	1.05E-07	3.06E-08	3.40E-04	1.07E-07	3.12E-08	3.40E-04	1.07E-07	3.12E-08
4154	495863.09, 3855377.25	2.81E-04	8.85E-08	2.58E-08	2.86E-04	9.03E-08	2.63E-08	2.86E-04	9.02E-08	2.62E-08
4155	496363.09, 3855377.25	2.77E-04	8.73E-08	2.54E-08	2.82E-04	8.91E-08	2.59E-08	2.82E-04	8.90E-08	2.59E-08
4156	496863.09, 3855377.25	2.76E-04	8.70E-08	2.53E-08	2.81E-04	8.88E-08	2.58E-08	2.81E-04	8.87E-08	2.58E-08
4157	497363.09, 3855377.25	2.87E-04	9.07E-08	2.64E-08	2.93E-04	9.25E-08	2.69E-08	2.93E-04	9.24E-08	2.69E-08
4158	497863.09, 3855377.25	3.10E-04	9.78E-08	2.85E-08	3.16E-04	9.98E-08	2.90E-08	3.16E-04	9.97E-08	2.90E-08
4159	498363.09, 3855377.25	3.39E-04	1.07E-07	3.11E-08	3.45E-04	1.09E-07	3.17E-08	3.45E-04	1.09E-07	3.17E-08
4160	471363.09, 3855877.25	3.72E-04	1.17E-07	3.42E-08	3.80E-04	1.20E-07	3.49E-08	3.79E-04	1.20E-07	3.48E-08
4161	471863.09, 3855877.25	3.89E-04	1.23E-07	3.57E-08	3.97E-04	1.25E-07	3.64E-08	3.96E-04	1.25E-07	3.64E-08
4162	472363.09, 3855877.25	4.24E-04	1.34E-07	3.89E-08	4.33E-04	1.37E-07	3.97E-08	4.32E-04	1.36E-07	3.97E-08
4163	472863.09, 3855877.25	4.30E-04	1.36E-07	3.95E-08	4.39E-04	1.38E-07	4.03E-08	4.38E-04	1.38E-07	4.02E-08
4164	473363.09, 3855877.25	4.71E-04	1.49E-07	4.32E-08	4.80E-04	1.52E-07	4.41E-08	4.80E-04	1.51E-07	4.41E-08
4165	473863.09, 3855877.25	4.99E-04	1.57E-07	4.58E-08	5.09E-04	1.61E-07	4.67E-08	5.08E-04	1.60E-07	4.67E-08
4166	474363.09, 3855877.25	5.14E-04	1.62E-07	4.72E-08	5.24E-04	1.65E-07	4.81E-08	5.23E-04	1.65E-07	4.81E-08
4167	474863.09, 3855877.25	4.11E-04	1.30E-07	3.77E-08	4.19E-04	1.32E-07	3.85E-08	4.19E-04	1.32E-07	3.85E-08
4168	475363.09, 3855877.25	2.36E-04	7.44E-08	2.16E-08	2.41E-04	7.59E-08	2.21E-08	2.40E-04	7.58E-08	2.21E-08
4169	475863.09, 3855877.25	6.84E-05	2.16E-08	6.28E-09	6.98E-05	2.20E-08	6.40E-09	6.97E-05	2.20E-08	6.40E-09
4170	476363.09, 3855877.25	7.19E-05	2.27E-08	6.60E-09	7.34E-05	2.32E-08	6.74E-09	7.33E-05	2.31E-08	6.73E-09
4171	476863.09, 3855877.25	1.29E-04	4.06E-08	1.18E-08	1.31E-04	4.15E-08	1.21E-08	1.31E-04	4.14E-08	1.20E-08
4172	477363.09, 3855877.25	1.64E-04	5.18E-08	1.51E-08	1.67E-04	5.29E-08	1.54E-08	1.67E-04	5.28E-08	1.54E-08
4173	477863.09, 3855877.25	2.10E-04	6.64E-08	1.93E-08	2.15E-04	6.78E-08	1.97E-08	2.14E-04	6.77E-08	1.97E-08
4174	478363.09, 3855877.25	2.79E-04	8.82E-08	2.56E-08	2.85E-04	9.00E-08	2.62E-08	2.85E-04	8.99E-08	2.61E-08
4175	478863.09, 3855877.25	3.70E-04	1.17E-07	3.39E-08	3.77E-04	1.19E-07	3.46E-08	3.77E-04	1.19E-07	3.46E-08
4176	479363.09, 3855877.25	4.83E-04	1.53E-07	4.44E-08	4.93E-04	1.56E-07	4.53E-08	4.93E-04	1.55E-07	4.52E-08
4177	479863.09, 3855877.25	5.78E-04	1.82E-07	5.30E-08	5.89E-04	1.86E-07	5.41E-08	5.89E-04	1.86E-07	5.40E-08
4178	480363.09, 3855877.25	7.01E-04	2.21E-07	6.43E-08	7.15E-04	2.26E-07	6.56E-08	7.14E-04	2.25E-07	6.56E-08
4179	480863.09, 3855877.25	8.31E-04	2.62E-07	7.63E-08	8.48E-04	2.68E-07	7.79E-08	8.47E-04	2.67E-07	7.78E-08
4180	481363.09, 3855877.25	8.27E-04	2.61E-07	7.59E-08	8.44E-04	2.66E-07	7.75E-08	8.43E-04	2.66E-07	7.74E-08
4181	481863.09, 3855877.25	9.80E-04	3.09E-07	8.99E-08	1.00E-03	3.16E-07	9.18E-08	9.99E-04	3.15E-07	9.17E-08
4182	482363.09, 3855877.25	9.82E-04	3.10E-07	9.02E-08	1.00E-03	3.16E-07	9.20E-08	1.00E-03	3.16E-07	9.19E-08
4183	482863.09, 3855877.25	9.89E-04	3.12E-07	9.08E-08	1.01E-03	3.18E-07	9.26E-08	1.01E-03	3.18E-07	9.25E-08
4184	483363.09, 3855877.25	1.01E-03	3.18E-07	9.25E-08	1.03E-03	3.24E-07	9.43E-08	1.03E-03	3.24E-07	9.42E-08
4185	483863.09, 3855877.25	1.01E-03	3.17E-07	9.23E-08	1.03E-03	3.24E-07	9.42E-08	1.02E-03	3.23E-07	9.41E-08
4186	484363.09, 3855877.25	1.03E-03	3.26E-07	9.48E-08	1.05E-03	3.33E-07	9.67E-08	1.05E-03	3.32E-07	9.66E-08
4187	484863.09, 3855877.25	1.03E-03	3.26E-07	9.48E-08	1.05E-03	3.33E-07	9.67E-08	1.05E-03	3.32E-07	9.66E-08
4188	485363.09, 3855877.25	1.02E-03	3.21E-07	9.33E-08	1.04E-03	3.27E-07	9.52E-08	1.04E-03	3.27E-07	9.51E-08
4189	485863.09, 3855877.25	1.02E-03	3.21E-07	9.34E-08	1.04E-03	3.28E-07	9.53E-08	1.04E-03	3.27E-07	9.52E-08
4190	486363.09, 3855877.25	9.51E-04	3.00E-07	8.73E-08	9.71E-04	3.06E-07	8.91E-08	9.69E-04	3.06E-07	8.90E-08
4191	486863.09, 3855877.25	9.22E-04	2.91E-07	8.46E-08	9.41E-04	2.97E-07	8.64E-08	9.40E-04	2.97E-07	8.63E-08
4192	487363.09, 3855877.25	9.45E-04	2.98E-07	8.67E-08	9.64E-04	3.04E-07	8.85E-08	9.63E-04	3.04E-07	8.84E-08
4193	487863.09, 3855877.25	9.60E-04	3.03E-07	8.82E-08	9.80E-04	3.09E-07	9.00E-08	9.79E-04	3.09E-07	8.99E-08
4194	488363.09, 3855877.25	9.82E-04	3.10E-07	9.02E-08	1.00E-03	3.16E-07	9.20E-08	1.00E-03	3.16E-07	9.19E-08
4195	488863.09, 3855877.25	9.96E-04	3.14E-07	9.14E-08	1.02E-03	3.21E-07	9.33E-08	1.01E-03	3.20E-07	9.32E-08
4196	489363.09, 3855877.25	9.78E-04	3.09E-07	8.98E-08	9.98E-04	3.15E-07	9.16E-08	9.97E-04	3.15E-07	9.15E-08
4197	489863.09, 3855877.25	9.47E-04	2.99E-07	8.69E-08	9.66E-04	3.05E-07	8.87E-08	9.65E-04	3.05E-07	8.86E-08
4198	490363.09, 3855877.25	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
4199	490863.09, 3855877.25	8.70E-04	2.75E-07	7.99E-08	8.88E-04	2.80E-07	8.15E-08	8.87E-04	2.80E-07	8.14E-08
4200	491363.09, 3855877.25	7.95E-04	2.51E-07	7.30E-08	8.12E-04	2.56E-07	7.45E-08	8.11E-04	2.56E-07	7.44E-08
4201	491863.09, 3855877.25	8.29E-04	2.62E-07	7.61E-08	8.46E-04	2.67E-07	7.77E-08	8.45E-04	2.67E-07	7.76E-08
4202	492363.09, 3855877.25	7.96E-04	2.51E-07	7.31E-08	8.13E-04	2.57E-07	7.46E-08	8.12E-04	2.56E-07	7.45E-08
4203	492863.09, 3855877.25	7.69E-04	2.43E-07	7.06E-08	7.85E-04	2.48E-07	7.20E-08	7.84E-04	2.47E-07	7.20E-08
4204	493363.09, 3855877.25	6.70E-04	2.11E-07	6.15E-08	6.84E-04	2.16E-07	6.28E-08	6.83E-04	2.16E-07	6.27E-08
4205	493863.09, 3855877.25	5.39E-04	1.70E-07	4.94E-08	5.50E-04	1.73E-07	5.05E-08	5.49E-04	1.73E-07	5.04E-08

4206	494363.09, 3855877.25	4.10E-04	1.29E-07	3.77E-08	4.19E-04	1.32E-07	3.84E-08	4.18E-04	1.32E-07	3.84E-08
4207	494863.09, 3855877.25	3.24E-04	1.02E-07	2.98E-08	3.31E-04	1.04E-07	3.04E-08	3.31E-04	1.04E-07	3.04E-08
4208	495363.09, 3855877.25	2.44E-04	7.69E-08	2.24E-08	2.49E-04	7.85E-08	2.28E-08	2.48E-04	7.84E-08	2.28E-08
4209	495863.09, 3855877.25	2.47E-04	7.78E-08	2.26E-08	2.52E-04	7.94E-08	2.31E-08	2.51E-04	7.93E-08	2.31E-08
4210	496363.09, 3855877.25	2.53E-04	8.00E-08	2.33E-08	2.59E-04	8.16E-08	2.37E-08	2.58E-04	8.15E-08	2.37E-08
4211	496863.09, 3855877.25	2.73E-04	8.60E-08	2.50E-08	2.78E-04	8.78E-08	2.55E-08	2.78E-04	8.77E-08	2.55E-08
4212	497363.09, 3855877.25	2.95E-04	9.30E-08	2.71E-08	3.01E-04	9.49E-08	2.76E-08	3.00E-04	9.48E-08	2.76E-08
4213	497863.09, 3855877.25	3.23E-04	1.02E-07	2.97E-08	3.30E-04	1.04E-07	3.03E-08	3.29E-04	1.04E-07	3.02E-08
4214	498363.09, 3855877.25	3.77E-04	1.19E-07	3.47E-08	3.85E-04	1.22E-07	3.54E-08	3.85E-04	1.21E-07	3.53E-08
4215	471363.09, 3856377.25	3.58E-04	1.13E-07	3.29E-08	3.66E-04	1.15E-07	3.36E-08	3.65E-04	1.15E-07	3.35E-08
4216	471863.09, 3856377.25	3.72E-04	1.17E-07	3.42E-08	3.80E-04	1.20E-07	3.49E-08	3.79E-04	1.20E-07	3.48E-08
4217	472363.09, 3856377.25	3.96E-04	1.25E-07	3.64E-08	4.04E-04	1.28E-07	3.71E-08	4.04E-04	1.27E-07	3.71E-08
4218	472863.09, 3856377.25	4.23E-04	1.34E-07	3.88E-08	4.32E-04	1.36E-07	3.96E-08	4.31E-04	1.36E-07	3.96E-08
4219	473363.09, 3856377.25	4.46E-04	1.41E-07	4.09E-08	4.55E-04	1.43E-07	4.17E-08	4.54E-04	1.43E-07	4.17E-08
4220	473863.09, 3856377.25	4.84E-04	1.53E-07	4.44E-08	4.93E-04	1.56E-07	4.53E-08	4.93E-04	1.56E-07	4.52E-08
4221	474363.09, 3856377.25	4.74E-04	1.49E-07	4.35E-08	4.83E-04	1.53E-07	4.44E-08	4.83E-04	1.52E-07	4.43E-08
4222	474863.09, 3856377.25	4.42E-04	1.40E-07	4.06E-08	4.51E-04	1.42E-07	4.14E-08	4.51E-04	1.42E-07	4.14E-08
4223	475363.09, 3856377.25	3.52E-04	1.11E-07	3.23E-08	3.59E-04	1.13E-07	3.30E-08	3.59E-04	1.13E-07	3.29E-08
4224	475863.09, 3856377.25	2.22E-04	6.99E-08	2.03E-08	2.26E-04	7.14E-08	2.08E-08	2.26E-04	7.13E-08	2.07E-08
4225	476363.09, 3856377.25	1.98E-04	6.26E-08	1.82E-08	2.02E-04	6.39E-08	1.86E-08	2.02E-04	6.38E-08	1.86E-08
4226	476863.09, 3856377.25	1.97E-04	6.21E-08	1.81E-08	2.01E-04	6.34E-08	1.84E-08	2.01E-04	6.33E-08	1.84E-08
4227	477363.09, 3856377.25	2.05E-04	6.48E-08	1.89E-08	2.10E-04	6.61E-08	1.92E-08	2.09E-04	6.61E-08	1.92E-08
4228	477863.09, 3856377.25	1.44E-04	4.54E-08	1.32E-08	1.47E-04	4.63E-08	1.35E-08	1.47E-04	4.63E-08	1.35E-08
4229	478363.09, 3856377.25	1.15E-04	3.63E-08	1.05E-08	1.17E-04	3.70E-08	1.08E-08	1.17E-04	3.70E-08	1.08E-08
4230	478863.09, 3856377.25	2.75E-04	8.68E-08	2.52E-08	2.81E-04	8.85E-08	2.58E-08	2.80E-04	8.84E-08	2.57E-08
4231	479363.09, 3856377.25	3.56E-04	1.12E-07	3.27E-08	3.63E-04	1.15E-07	3.33E-08	3.62E-04	1.14E-07	3.33E-08
4232	479863.09, 3856377.25	5.30E-04	1.67E-07	4.87E-08	5.41E-04	1.71E-07	4.97E-08	5.40E-04	1.71E-07	4.96E-08
4233	480363.09, 3856377.25	6.80E-04	2.15E-07	6.24E-08	6.94E-04	2.19E-07	6.37E-08	6.93E-04	2.19E-07	6.36E-08
4234	480863.09, 3856377.25	7.66E-04	2.42E-07	7.03E-08	7.81E-04	2.47E-07	7.17E-08	7.81E-04	2.46E-07	7.17E-08
4235	481363.09, 3856377.25	8.22E-04	2.59E-07	7.54E-08	8.39E-04	2.65E-07	7.70E-08	8.38E-04	2.64E-07	7.69E-08
4236	481863.09, 3856377.25	8.55E-04	2.70E-07	7.85E-08	8.72E-04	2.75E-07	8.01E-08	8.71E-04	2.75E-07	8.00E-08
4237	482363.09, 3856377.25	8.48E-04	2.68E-07	7.79E-08	8.65E-04	2.73E-07	7.94E-08	8.64E-04	2.73E-07	7.93E-08
4238	482863.09, 3856377.25	8.50E-04	2.68E-07	7.81E-08	8.68E-04	2.74E-07	7.97E-08	8.67E-04	2.74E-07	7.96E-08
4239	483363.09, 3856377.25	8.68E-04	2.74E-07	7.97E-08	8.86E-04	2.80E-07	8.13E-08	8.85E-04	2.79E-07	8.12E-08
4240	483863.09, 3856377.25	8.83E-04	2.79E-07	8.10E-08	9.01E-04	2.84E-07	8.27E-08	8.99E-04	2.84E-07	8.26E-08
4241	484363.09, 3856377.25	9.04E-04	2.85E-07	8.30E-08	9.22E-04	2.91E-07	8.47E-08	9.21E-04	2.91E-07	8.46E-08
4242	484863.09, 3856377.25	9.30E-04	2.94E-07	8.54E-08	9.49E-04	3.00E-07	8.71E-08	9.48E-04	2.99E-07	8.70E-08
4243	485363.09, 3856377.25	9.36E-04	2.95E-07	8.59E-08	9.55E-04	3.01E-07	8.76E-08	9.54E-04	3.01E-07	8.75E-08
4244	485863.09, 3856377.25	9.21E-04	2.91E-07	8.46E-08	9.40E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08
4245	486363.09, 3856377.25	9.04E-04	2.85E-07	8.30E-08	9.23E-04	2.91E-07	8.47E-08	9.22E-04	2.91E-07	8.46E-08
4246	486863.09, 3856377.25	8.89E-04	2.81E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08
4247	487363.09, 3856377.25	8.88E-04	2.80E-07	8.15E-08	9.06E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
4248	487863.09, 3856377.25	8.98E-04	2.83E-07	8.24E-08	9.16E-04	2.89E-07	8.41E-08	9.15E-04	2.89E-07	8.40E-08
4249	488363.09, 3856377.25	8.94E-04	2.82E-07	8.21E-08	9.12E-04	2.88E-07	8.37E-08	9.11E-04	2.88E-07	8.37E-08
4250	488863.09, 3856377.25	9.16E-04	2.89E-07	8.41E-08	9.35E-04	2.95E-07	8.58E-08	9.34E-04	2.95E-07	8.57E-08
4251	489363.09, 3856377.25	9.20E-04	2.90E-07	8.45E-08	9.39E-04	2.96E-07	8.62E-08	9.38E-04	2.96E-07	8.61E-08
4252	489863.09, 3856377.25	9.09E-04	2.87E-07	8.35E-08	9.28E-04	2.93E-07	8.52E-08	9.27E-04	2.93E-07	8.51E-08
4253	490363.09, 3856377.25	8.86E-04	2.80E-07	8.14E-08	9.04E-04	2.85E-07	8.30E-08	9.03E-04	2.85E-07	8.29E-08
4254	490863.09, 3856377.25	8.53E-04	2.69E-07	7.83E-08	8.70E-04	2.75E-07	7.99E-08	8.69E-04	2.74E-07	7.98E-08
4255	491363.09, 3856377.25	8.24E-04	2.60E-07	7.57E-08	8.41E-04	2.65E-07	7.72E-08	8.40E-04	2.65E-07	7.71E-08
4256	491863.09, 3856377.25	7.93E-04	2.50E-07	7.28E-08	8.09E-04	2.55E-07	7.43E-08	8.08E-04	2.55E-07	7.42E-08
4257	492363.09, 3856377.25	7.53E-04	2.38E-07	6.91E-08	7.68E-04	2.42E-07	7.05E-08	7.67E-04	2.42E-07	7.04E-08
4258	492863.09, 3856377.25	6.86E-04	2.17E-07	6.30E-08	7.00E-04	2.21E-07	6.43E-08	6.99E-04	2.21E-07	6.42E-08
4259	493363.09, 3856377.25	5.27E-04	1.66E-07	4.83E-08	5.37E-04	1.70E-07	4.93E-08	5.37E-04	1.69E-07	4.93E-08
4260	493863.09, 3856377.25	4.44E-04	1.40E-07	4.07E-08	4.53E-04	1.43E-07	4.16E-08	4.52E-04	1.43E-07	4.15E-08
4261	494363.09, 3856377.25	3.43E-04	1.08E-07	3.15E-08	3.50E-04	1.10E-07	3.21E-08	3.49E-04	1.10E-07	3.21E-08
4262	494863.09, 3856377.25	2.75E-04	8.67E-08	2.52E-08	2.80E-04	8.84E-08	2.57E-08	2.80E-04	8.83E-08	2.57E-08
4263	495363.09, 3856377.25	2.40E-04	7.57E-08	2.20E-08	2.45E-04	7.72E-08	2.25E-08	2.44E-04	7.72E-08	2.24E-08
4264	495863.09, 3856377.25	2.44E-04	7.69E-08	2.24E-08	2.49E-04	7.85E-08	2.28E-08	2.48E-04	7.84E-08	2.28E-08
4265	496363.09, 3856377.25	2.59E-04	8.17E-08	2.38E-08	2.64E-04	8.33E-08	2.42E-08	2.64E-04	8.32E-08	2.42E-08
4266	496863.09, 3856377.25	2.91E-04	9.19E-08	2.67E-08	2.97E-04	9.38E-08	2.73E-08	2.97E-04	9.37E-08	2.72E-08

4267	497363.09, 3856377.25	3.23E-04	1.02E-07	2.96E-08	3.29E-04	1.04E-07	3.02E-08	3.29E-04	1.04E-07	3.02E-08
4268	497863.09, 3856377.25	3.67E-04	1.16E-07	3.37E-08	3.74E-04	1.18E-07	3.43E-08	3.74E-04	1.18E-07	3.43E-08
4269	498363.09, 3856377.25	4.21E-04	1.33E-07	3.87E-08	4.30E-04	1.36E-07	3.95E-08	4.29E-04	1.36E-07	3.94E-08
4270	471363.09, 3856877.25	3.50E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.28E-08	3.56E-04	1.13E-07	3.27E-08
4271	471863.09, 3856877.25	3.59E-04	1.13E-07	3.30E-08	3.67E-04	1.16E-07	3.37E-08	3.66E-04	1.16E-07	3.36E-08
4272	472363.09, 3856877.25	3.79E-04	1.20E-07	3.48E-08	3.87E-04	1.22E-07	3.55E-08	3.86E-04	1.22E-07	3.55E-08
4273	472863.09, 3856877.25	3.97E-04	1.25E-07	3.64E-08	4.05E-04	1.28E-07	3.72E-08	4.04E-04	1.28E-07	3.71E-08
4274	473363.09, 3856877.25	4.30E-04	1.36E-07	3.95E-08	4.39E-04	1.38E-07	4.03E-08	4.38E-04	1.38E-07	4.02E-08
4275	473863.09, 3856877.25	4.49E-04	1.42E-07	4.12E-08	4.58E-04	1.45E-07	4.20E-08	4.57E-04	1.44E-07	4.20E-08
4276	474363.09, 3856877.25	4.38E-04	1.38E-07	4.02E-08	4.47E-04	1.41E-07	4.10E-08	4.46E-04	1.41E-07	4.10E-08
4277	474863.09, 3856877.25	4.10E-04	1.29E-07	3.76E-08	4.18E-04	1.32E-07	3.84E-08	4.18E-04	1.32E-07	3.84E-08
4278	475363.09, 3856877.25	3.49E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
4279	475863.09, 3856877.25	3.41E-04	1.08E-07	3.13E-08	3.48E-04	1.10E-07	3.20E-08	3.48E-04	1.10E-07	3.19E-08
4280	476363.09, 3856877.25	2.89E-04	9.13E-08	2.66E-08	2.95E-04	9.32E-08	2.71E-08	2.95E-04	9.31E-08	2.71E-08
4281	476863.09, 3856877.25	2.71E-04	8.54E-08	2.48E-08	2.76E-04	8.71E-08	2.53E-08	2.76E-04	8.70E-08	2.53E-08
4282	477363.09, 3856877.25	2.25E-04	7.11E-08	2.07E-08	2.30E-04	7.25E-08	2.11E-08	2.29E-04	7.24E-08	2.11E-08
4283	477863.09, 3856877.25	1.29E-04	4.08E-08	1.19E-08	1.32E-04	4.17E-08	1.21E-08	1.32E-04	4.16E-08	1.21E-08
4284	478363.09, 3856877.25	1.03E-04	3.25E-08	9.44E-09	1.05E-04	3.31E-08	9.63E-09	1.05E-04	3.31E-08	9.62E-09
4285	478863.09, 3856877.25	1.37E-04	4.33E-08	1.26E-08	1.40E-04	4.42E-08	1.29E-08	1.40E-04	4.42E-08	1.28E-08
4286	479363.09, 3856877.25	1.96E-04	6.18E-08	1.80E-08	2.00E-04	6.31E-08	1.84E-08	2.00E-04	6.30E-08	1.83E-08
4287	479863.09, 3856877.25	4.62E-04	1.46E-07	4.24E-08	4.71E-04	1.49E-07	4.33E-08	4.71E-04	1.49E-07	4.32E-08
4288	480363.09, 3856877.25	6.06E-04	1.91E-07	5.57E-08	6.19E-04	1.95E-07	5.68E-08	6.18E-04	1.95E-07	5.67E-08
4289	480863.09, 3856877.25	7.05E-04	2.22E-07	6.47E-08	7.19E-04	2.27E-07	6.60E-08	7.18E-04	2.27E-07	6.59E-08
4290	481363.09, 3856877.25	7.50E-04	2.37E-07	6.88E-08	7.65E-04	2.42E-07	7.03E-08	7.64E-04	2.41E-07	7.02E-08
4291	481863.09, 3856877.25	7.75E-04	2.45E-07	7.12E-08	7.91E-04	2.50E-07	7.26E-08	7.90E-04	2.49E-07	7.25E-08
4292	482363.09, 3856877.25	7.73E-04	2.44E-07	7.10E-08	7.89E-04	2.49E-07	7.24E-08	7.88E-04	2.49E-07	7.23E-08
4293	482863.09, 3856877.25	7.70E-04	2.43E-07	7.07E-08	7.86E-04	2.48E-07	7.22E-08	7.85E-04	2.48E-07	7.21E-08
4294	483363.09, 3856877.25	7.81E-04	2.46E-07	7.17E-08	7.97E-04	2.51E-07	7.31E-08	7.96E-04	2.51E-07	7.31E-08
4295	483863.09, 3856877.25	7.91E-04	2.50E-07	7.26E-08	8.07E-04	2.55E-07	7.41E-08	8.06E-04	2.54E-07	7.40E-08
4296	484363.09, 3856877.25	8.05E-04	2.54E-07	7.39E-08	8.22E-04	2.59E-07	7.54E-08	8.21E-04	2.59E-07	7.54E-08
4297	484863.09, 3856877.25	8.42E-04	2.66E-07	7.73E-08	8.59E-04	2.71E-07	7.88E-08	8.58E-04	2.71E-07	7.87E-08
4298	485363.09, 3856877.25	8.83E-04	2.79E-07	8.11E-08	9.01E-04	2.84E-07	8.27E-08	9.00E-04	2.84E-07	8.26E-08
4299	485863.09, 3856877.25	9.00E-04	2.84E-07	8.26E-08	9.19E-04	2.90E-07	8.43E-08	9.17E-04	2.90E-07	8.42E-08
4300	486363.09, 3856877.25	8.43E-04	2.66E-07	7.74E-08	8.60E-04	2.71E-07	7.89E-08	8.59E-04	2.71E-07	7.89E-08
4301	486863.09, 3856877.25	8.81E-04	2.78E-07	8.09E-08	8.99E-04	2.84E-07	8.25E-08	8.98E-04	2.83E-07	8.24E-08
4302	487363.09, 3856877.25	9.05E-04	2.86E-07	8.31E-08	9.23E-04	2.91E-07	8.48E-08	9.22E-04	2.91E-07	8.47E-08
4303	487863.09, 3856877.25	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
4304	488363.09, 3856877.25	9.10E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
4305	488863.09, 3856877.25	8.97E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
4306	489363.09, 3856877.25	8.95E-04	2.83E-07	8.22E-08	9.14E-04	2.88E-07	8.39E-08	9.13E-04	2.88E-07	8.38E-08
4307	489863.09, 3856877.25	8.89E-04	2.80E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08
4308	490363.09, 3856877.25	8.69E-04	2.74E-07	7.98E-08	8.87E-04	2.80E-07	8.14E-08	8.86E-04	2.80E-07	8.13E-08
4309	490863.09, 3856877.25	8.56E-04	2.70E-07	7.86E-08	8.74E-04	2.76E-07	8.02E-08	8.73E-04	2.75E-07	8.01E-08
4310	491363.09, 3856877.25	8.30E-04	2.62E-07	7.62E-08	8.47E-04	2.67E-07	7.78E-08	8.46E-04	2.67E-07	7.77E-08
4311	491863.09, 3856877.25	8.02E-04	2.53E-07	7.37E-08	8.19E-04	2.58E-07	7.52E-08	8.18E-04	2.58E-07	7.51E-08
4312	492363.09, 3856877.25	7.11E-04	2.24E-07	6.53E-08	7.26E-04	2.29E-07	6.66E-08	7.25E-04	2.29E-07	6.65E-08
4313	492863.09, 3856877.25	6.31E-04	1.99E-07	5.80E-08	6.44E-04	2.03E-07	5.92E-08	6.44E-04	2.03E-07	5.91E-08
4314	493363.09, 3856877.25	5.29E-04	1.67E-07	4.85E-08	5.39E-04	1.70E-07	4.95E-08	5.39E-04	1.70E-07	4.95E-08
4315	493863.09, 3856877.25	4.06E-04	1.28E-07	3.73E-08	4.15E-04	1.31E-07	3.81E-08	4.14E-04	1.31E-07	3.80E-08
4316	494363.09, 3856877.25	3.17E-04	1.00E-07	2.91E-08	3.24E-04	1.02E-07	2.97E-08	3.23E-04	1.02E-07	2.97E-08
4317	494863.09, 3856877.25	2.89E-04	9.12E-08	2.65E-08	2.95E-04	9.31E-08	2.71E-08	2.95E-04	9.30E-08	2.70E-08
4318	495363.09, 3856877.25	2.80E-04	8.84E-08	2.57E-08	2.86E-04	9.02E-08	2.62E-08	2.85E-04	9.00E-08	2.62E-08
4319	495863.09, 3856877.25	2.91E-04	9.18E-08	2.67E-08	2.97E-04	9.37E-08	2.72E-08	2.96E-04	9.36E-08	2.72E-08
4320	496363.09, 3856877.25	3.05E-04	9.63E-08	2.80E-08	3.11E-04	9.82E-08	2.86E-08	3.11E-04	9.81E-08	2.85E-08
4321	496863.09, 3856877.25	3.29E-04	1.04E-07	3.02E-08	3.36E-04	1.06E-07	3.08E-08	3.35E-04	1.06E-07	3.08E-08
4322	497363.09, 3856877.25	3.64E-04	1.15E-07	3.34E-08	3.71E-04	1.17E-07	3.41E-08	3.71E-04	1.17E-07	3.41E-08
4323	497863.09, 3856877.25	4.26E-04	1.34E-07	3.91E-08	4.35E-04	1.37E-07	3.99E-08	4.34E-04	1.37E-07	3.99E-08
4324	498363.09, 3856877.25	4.99E-04	1.58E-07	4.58E-08	5.09E-04	1.61E-07	4.68E-08	5.09E-04	1.61E-07	4.67E-08
4325	471363.09, 3857377.25	3.42E-04	1.08E-07	3.14E-08	3.49E-04	1.10E-07	3.20E-08	3.48E-04	1.10E-07	3.20E-08
4326	471863.09, 3857377.25	3.49E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
4327	472363.09, 3857377.25	3.63E-04	1.15E-07	3.33E-08	3.70E-04	1.17E-07	3.40E-08	3.70E-04	1.17E-07	3.40E-08

4328	472863.09, 3857377.25	3.80E-04	1.20E-07	3.48E-08	3.87E-04	1.22E-07	3.56E-08	3.87E-04	1.22E-07	3.55E-08
4329	473363.09, 3857377.25	4.02E-04	1.27E-07	3.69E-08	4.10E-04	1.29E-07	3.76E-08	4.09E-04	1.29E-07	3.76E-08
4330	473863.09, 3857377.25	4.29E-04	1.35E-07	3.94E-08	4.37E-04	1.38E-07	4.02E-08	4.37E-04	1.38E-07	4.01E-08
4331	474363.09, 3857377.25	4.08E-04	1.29E-07	3.75E-08	4.17E-04	1.32E-07	3.83E-08	4.16E-04	1.31E-07	3.82E-08
4332	474863.09, 3857377.25	3.25E-04	1.02E-07	2.98E-08	3.31E-04	1.05E-07	3.04E-08	3.31E-04	1.04E-07	3.04E-08
4333	475363.09, 3857377.25	2.17E-04	6.84E-08	1.99E-08	2.21E-04	6.98E-08	2.03E-08	2.21E-04	6.98E-08	2.03E-08
4334	475863.09, 3857377.25	1.92E-04	6.07E-08	1.77E-08	1.96E-04	6.20E-08	1.80E-08	1.96E-04	6.19E-08	1.80E-08
4335	476363.09, 3857377.25	2.55E-04	8.04E-08	2.34E-08	2.60E-04	8.21E-08	2.39E-08	2.60E-04	8.20E-08	2.38E-08
4336	476863.09, 3857377.25	2.66E-04	8.39E-08	2.44E-08	2.71E-04	8.56E-08	2.49E-08	2.71E-04	8.55E-08	2.49E-08
4337	477363.09, 3857377.25	2.23E-04	7.05E-08	2.05E-08	2.28E-04	7.19E-08	2.09E-08	2.28E-04	7.18E-08	2.09E-08
4338	477863.09, 3857377.25	1.51E-04	4.76E-08	1.39E-08	1.54E-04	4.86E-08	1.41E-08	1.54E-04	4.85E-08	1.41E-08
4339	478363.09, 3857377.25	9.96E-05	3.14E-08	9.14E-09	1.02E-04	3.21E-08	9.33E-09	1.02E-04	3.20E-08	9.32E-09
4340	478863.09, 3857377.25	7.75E-05	2.45E-08	7.11E-09	7.91E-05	2.50E-08	7.26E-09	7.90E-05	2.49E-08	7.25E-09
4341	479363.09, 3857377.25	1.41E-04	4.45E-08	1.30E-08	1.44E-04	4.55E-08	1.32E-08	1.44E-04	4.54E-08	1.32E-08
4342	479863.09, 3857377.25	3.84E-04	1.21E-07	3.52E-08	3.91E-04	1.24E-07	3.59E-08	3.91E-04	1.23E-07	3.59E-08
4343	480363.09, 3857377.25	3.14E-04	9.92E-08	2.89E-08	3.21E-04	1.01E-07	2.95E-08	3.20E-04	1.01E-07	2.94E-08
4344	480863.09, 3857377.25	6.44E-04	2.03E-07	5.91E-08	6.57E-04	2.07E-07	6.03E-08	6.57E-04	2.07E-07	6.03E-08
4345	481363.09, 3857377.25	6.44E-04	2.03E-07	5.91E-08	6.57E-04	2.07E-07	6.03E-08	6.56E-04	2.07E-07	6.02E-08
4346	481863.09, 3857377.25	6.82E-04	2.15E-07	6.27E-08	6.96E-04	2.20E-07	6.39E-08	6.96E-04	2.20E-07	6.39E-08
4347	482363.09, 3857377.25	7.15E-04	2.26E-07	6.56E-08	7.29E-04	2.30E-07	6.70E-08	7.29E-04	2.30E-07	6.69E-08
4348	482863.09, 3857377.25	7.23E-04	2.28E-07	6.64E-08	7.38E-04	2.33E-07	6.77E-08	7.37E-04	2.33E-07	6.76E-08
4349	483363.09, 3857377.25	7.38E-04	2.33E-07	6.78E-08	7.53E-04	2.38E-07	6.91E-08	7.52E-04	2.37E-07	6.91E-08
4350	483863.09, 3857377.25	7.55E-04	2.38E-07	6.93E-08	7.70E-04	2.43E-07	7.07E-08	7.69E-04	2.43E-07	7.06E-08
4351	484363.09, 3857377.25	7.61E-04	2.40E-07	6.99E-08	7.77E-04	2.45E-07	7.13E-08	7.76E-04	2.45E-07	7.12E-08
4352	484863.09, 3857377.25	7.79E-04	2.46E-07	7.16E-08	7.95E-04	2.51E-07	7.30E-08	7.94E-04	2.51E-07	7.29E-08
4353	485363.09, 3857377.25	8.12E-04	2.56E-07	7.46E-08	8.29E-04	2.62E-07	7.61E-08	8.28E-04	2.61E-07	7.60E-08
4354	485863.09, 3857377.25	8.63E-04	2.72E-07	7.92E-08	8.80E-04	2.78E-07	8.08E-08	8.79E-04	2.78E-07	8.07E-08
4355	486363.09, 3857377.25	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
4356	486863.09, 3857377.25	8.86E-04	2.80E-07	8.13E-08	9.04E-04	2.85E-07	8.30E-08	9.03E-04	2.85E-07	8.29E-08
4357	487363.09, 3857377.25	9.46E-04	2.98E-07	8.68E-08	9.65E-04	3.05E-07	8.86E-08	9.64E-04	3.04E-07	8.85E-08
4358	487863.09, 3857377.25	1.01E-03	3.19E-07	9.27E-08	1.03E-03	3.25E-07	9.46E-08	1.03E-03	3.25E-07	9.45E-08
4359	488363.09, 3857377.25	1.03E-03	3.24E-07	9.42E-08	1.05E-03	3.30E-07	9.61E-08	1.05E-03	3.30E-07	9.60E-08
4360	488863.09, 3857377.25	1.02E-03	3.23E-07	9.39E-08	1.04E-03	3.30E-07	9.59E-08	1.04E-03	3.29E-07	9.58E-08
4361	489363.09, 3857377.25	9.73E-04	3.07E-07	8.93E-08	9.93E-04	3.13E-07	9.11E-08	9.92E-04	3.13E-07	9.10E-08
4362	489863.09, 3857377.25	9.31E-04	2.94E-07	8.54E-08	9.50E-04	3.00E-07	8.72E-08	9.48E-04	2.99E-07	8.71E-08
4363	490363.09, 3857377.25	9.08E-04	2.87E-07	8.34E-08	9.27E-04	2.92E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
4364	490863.09, 3857377.25	9.03E-04	2.85E-07	8.29E-08	9.22E-04	2.91E-07	8.46E-08	9.20E-04	2.91E-07	8.45E-08
4365	491363.09, 3857377.25	9.11E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
4366	491863.09, 3857377.25	8.79E-04	2.77E-07	8.07E-08	8.97E-04	2.83E-07	8.23E-08	8.96E-04	2.83E-07	8.22E-08
4367	492363.09, 3857377.25	7.48E-04	2.36E-07	6.87E-08	7.64E-04	2.41E-07	7.01E-08	7.63E-04	2.41E-07	7.00E-08
4368	492863.09, 3857377.25	6.24E-04	1.97E-07	5.73E-08	6.37E-04	2.01E-07	5.84E-08	6.36E-04	2.01E-07	5.84E-08
4369	493363.09, 3857377.25	4.86E-04	1.53E-07	4.46E-08	4.96E-04	1.56E-07	4.55E-08	4.95E-04	1.56E-07	4.55E-08
4370	493863.09, 3857377.25	4.39E-04	1.39E-07	4.03E-08	4.48E-04	1.41E-07	4.12E-08	4.48E-04	1.41E-07	4.11E-08
4371	494363.09, 3857377.25	3.93E-04	1.24E-07	3.61E-08	4.01E-04	1.27E-07	3.68E-08	4.00E-04	1.26E-07	3.68E-08
4372	494863.09, 3857377.25	3.81E-04	1.20E-07	3.50E-08	3.89E-04	1.23E-07	3.57E-08	3.88E-04	1.23E-07	3.56E-08
4373	495363.09, 3857377.25	3.73E-04	1.18E-07	3.42E-08	3.80E-04	1.20E-07	3.49E-08	3.80E-04	1.20E-07	3.49E-08
4374	495863.09, 3857377.25	3.84E-04	1.21E-07	3.52E-08	3.91E-04	1.24E-07	3.59E-08	3.91E-04	1.23E-07	3.59E-08
4375	496363.09, 3857377.25	3.98E-04	1.26E-07	3.65E-08	4.06E-04	1.28E-07	3.73E-08	4.05E-04	1.28E-07	3.72E-08
4376	496863.09, 3857377.25	4.15E-04	1.31E-07	3.81E-08	4.23E-04	1.34E-07	3.89E-08	4.23E-04	1.33E-07	3.88E-08
4377	497363.09, 3857377.25	4.48E-04	1.41E-07	4.11E-08	4.57E-04	1.44E-07	4.20E-08	4.56E-04	1.44E-07	4.19E-08
4378	497863.09, 3857377.25	4.98E-04	1.57E-07	4.57E-08	5.08E-04	1.60E-07	4.67E-08	5.08E-04	1.60E-07	4.66E-08
4379	498363.09, 3857377.25	6.10E-04	1.92E-07	5.60E-08	6.22E-04	1.96E-07	5.71E-08	6.21E-04	1.96E-07	5.70E-08
4380	471363.09, 3857877.25	3.28E-04	1.03E-07	3.01E-08	3.34E-04	1.06E-07	3.07E-08	3.34E-04	1.05E-07	3.07E-08
4381	471863.09, 3857877.25	3.37E-04	1.06E-07	3.09E-08	3.44E-04	1.08E-07	3.16E-08	3.43E-04	1.08E-07	3.15E-08
4382	472363.09, 3857877.25	3.49E-04	1.10E-07	3.21E-08	3.56E-04	1.12E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
4383	472863.09, 3857877.25	3.69E-04	1.17E-07	3.39E-08	3.77E-04	1.19E-07	3.46E-08	3.76E-04	1.19E-07	3.45E-08
4384	473363.09, 3857877.25	3.82E-04	1.21E-07	3.51E-08	3.90E-04	1.23E-07	3.58E-08	3.90E-04	1.23E-07	3.58E-08
4385	473863.09, 3857877.25	4.01E-04	1.26E-07	3.68E-08	4.09E-04	1.29E-07	3.75E-08	4.08E-04	1.29E-07	3.75E-08
4386	474363.09, 3857877.25	3.74E-04	1.18E-07	3.44E-08	3.82E-04	1.21E-07	3.51E-08	3.81E-04	1.20E-07	3.50E-08
4387	474863.09, 3857877.25	2.89E-04	9.13E-08	2.66E-08	2.95E-04	9.32E-08	2.71E-08	2.95E-04	9.31E-08	2.71E-08
4388	475363.09, 3857877.25	1.52E-04	4.80E-08	1.40E-08	1.55E-04	4.90E-08	1.42E-08	1.55E-04	4.89E-08	1.42E-08

4389	475863.09, 3857877.25	5.30E-05	1.67E-08	4.87E-09	5.41E-05	1.71E-08	4.97E-09	5.41E-05	1.71E-08	4.96E-09
4390	476363.09, 3857877.25	1.68E-04	5.29E-08	1.54E-08	1.71E-04	5.40E-08	1.57E-08	1.71E-04	5.39E-08	1.57E-08
4391	476863.09, 3857877.25	2.09E-04	6.58E-08	1.92E-08	2.13E-04	6.72E-08	1.95E-08	2.13E-04	6.71E-08	1.95E-08
4392	477363.09, 3857877.25	1.99E-04	6.29E-08	1.83E-08	2.03E-04	6.42E-08	1.87E-08	2.03E-04	6.41E-08	1.86E-08
4393	477863.09, 3857877.25	1.84E-04	5.79E-08	1.69E-08	1.87E-04	5.91E-08	1.72E-08	1.87E-04	5.91E-08	1.72E-08
4394	478363.09, 3857877.25	8.25E-05	2.60E-08	7.57E-09	8.42E-05	2.66E-08	7.73E-09	8.41E-05	2.65E-08	7.72E-09
4395	478863.09, 3857877.25	6.22E-05	1.96E-08	5.71E-09	6.34E-05	2.00E-08	5.82E-09	6.34E-05	2.00E-08	5.82E-09
4396	479363.09, 3857877.25	3.54E-04	1.12E-07	3.25E-08	3.61E-04	1.14E-07	3.31E-08	3.60E-04	1.14E-07	3.31E-08
4397	479863.09, 3857877.25	5.27E-04	1.66E-07	4.84E-08	5.38E-04	1.70E-07	4.94E-08	5.38E-04	1.70E-07	4.94E-08
4398	480363.09, 3857877.25	5.79E-04	1.83E-07	5.31E-08	5.91E-04	1.86E-07	5.42E-08	5.90E-04	1.86E-07	5.41E-08
4399	480863.09, 3857877.25	5.90E-04	1.86E-07	5.41E-08	6.02E-04	1.90E-07	5.52E-08	6.01E-04	1.90E-07	5.52E-08
4400	481363.09, 3857877.25	6.08E-04	1.92E-07	5.59E-08	6.21E-04	1.96E-07	5.70E-08	6.20E-04	1.96E-07	5.69E-08
4401	481863.09, 3857877.25	6.28E-04	1.98E-07	5.77E-08	6.41E-04	2.02E-07	5.89E-08	6.40E-04	2.02E-07	5.88E-08
4402	482363.09, 3857877.25	6.64E-04	2.09E-07	6.09E-08	6.77E-04	2.14E-07	6.22E-08	6.76E-04	2.13E-07	6.21E-08
4403	482863.09, 3857877.25	6.79E-04	2.14E-07	6.24E-08	6.93E-04	2.19E-07	6.37E-08	6.93E-04	2.19E-07	6.36E-08
4404	483363.09, 3857877.25	7.02E-04	2.21E-07	6.44E-08	7.16E-04	2.26E-07	6.57E-08	7.15E-04	2.26E-07	6.56E-08
4405	483863.09, 3857877.25	7.30E-04	2.30E-07	6.70E-08	7.45E-04	2.35E-07	6.84E-08	7.44E-04	2.35E-07	6.83E-08
4406	484363.09, 3857877.25	7.53E-04	2.38E-07	6.92E-08	7.69E-04	2.43E-07	7.06E-08	7.68E-04	2.42E-07	7.05E-08
4407	484863.09, 3857877.25	7.83E-04	2.47E-07	7.19E-08	7.99E-04	2.52E-07	7.34E-08	7.98E-04	2.52E-07	7.33E-08
4408	485363.09, 3857877.25	8.20E-04	2.59E-07	7.53E-08	8.37E-04	2.64E-07	7.68E-08	8.36E-04	2.64E-07	7.68E-08
4409	485863.09, 3857877.25	8.55E-04	2.70E-07	7.84E-08	8.72E-04	2.75E-07	8.01E-08	8.71E-04	2.75E-07	8.00E-08
4410	486363.09, 3857877.25	9.04E-04	2.85E-07	8.30E-08	9.22E-04	2.91E-07	8.47E-08	9.21E-04	2.91E-07	8.46E-08
4411	486863.09, 3857877.25	1.01E-03	3.18E-07	9.24E-08	1.03E-03	3.24E-07	9.42E-08	1.03E-03	3.24E-07	9.41E-08
4412	487363.09, 3857877.25	1.12E-03	3.54E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.14E-03	3.61E-07	1.05E-07
4413	487863.09, 3857877.25	1.20E-03	3.77E-07	1.10E-07	1.22E-03	3.85E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
4414	488363.09, 3857877.25	1.32E-03	4.16E-07	1.21E-07	1.34E-03	4.24E-07	1.23E-07	1.34E-03	4.24E-07	1.23E-07
4415	488863.09, 3857877.25	1.36E-03	4.31E-07	1.25E-07	1.39E-03	4.39E-07	1.28E-07	1.39E-03	4.39E-07	1.28E-07
4416	489363.09, 3857877.25	1.25E-03	3.94E-07	1.15E-07	1.27E-03	4.02E-07	1.17E-07	1.27E-03	4.02E-07	1.17E-07
4417	489863.09, 3857877.25	1.15E-03	3.64E-07	1.06E-07	1.18E-03	3.72E-07	1.08E-07	1.18E-03	3.71E-07	1.08E-07
4418	490363.09, 3857877.25	1.14E-03	3.59E-07	1.05E-07	1.16E-03	3.67E-07	1.07E-07	1.16E-03	3.66E-07	1.07E-07
4419	490863.09, 3857877.25	1.18E-03	3.71E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.78E-07	1.10E-07
4420	491363.09, 3857877.25	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.60E-07	1.05E-07
4421	491863.09, 3857877.25	1.02E-03	3.22E-07	9.35E-08	1.04E-03	3.28E-07	9.54E-08	1.04E-03	3.28E-07	9.53E-08
4422	492363.09, 3857877.25	8.37E-04	2.64E-07	7.68E-08	8.54E-04	2.70E-07	7.84E-08	8.53E-04	2.69E-07	7.83E-08
4423	492863.09, 3857877.25	6.87E-04	2.17E-07	6.31E-08	7.01E-04	2.21E-07	6.43E-08	7.00E-04	2.21E-07	6.43E-08
4424	493363.09, 3857877.25	6.33E-04	2.00E-07	5.81E-08	6.46E-04	2.04E-07	5.93E-08	6.45E-04	2.04E-07	5.93E-08
4425	493863.09, 3857877.25	6.12E-04	1.93E-07	5.62E-08	6.25E-04	1.97E-07	5.74E-08	6.24E-04	1.97E-07	5.73E-08
4426	494363.09, 3857877.25	5.94E-04	1.87E-07	5.45E-08	6.06E-04	1.91E-07	5.56E-08	6.05E-04	1.91E-07	5.56E-08
4427	494863.09, 3857877.25	5.42E-04	1.71E-07	4.98E-08	5.53E-04	1.75E-07	5.08E-08	5.53E-04	1.74E-07	5.07E-08
4428	495363.09, 3857877.25	5.35E-04	1.69E-07	4.91E-08	5.46E-04	1.72E-07	5.01E-08	5.45E-04	1.72E-07	5.01E-08
4429	495863.09, 3857877.25	5.27E-04	1.66E-07	4.83E-08	5.37E-04	1.70E-07	4.93E-08	5.37E-04	1.69E-07	4.93E-08
4430	496363.09, 3857877.25	5.41E-04	1.71E-07	4.97E-08	5.52E-04	1.74E-07	5.07E-08	5.51E-04	1.74E-07	5.06E-08
4431	496863.09, 3857877.25	5.57E-04	1.76E-07	5.12E-08	5.69E-04	1.79E-07	5.22E-08	5.68E-04	1.79E-07	5.21E-08
4432	497363.09, 3857877.25	5.61E-04	1.77E-07	5.15E-08	5.72E-04	1.81E-07	5.25E-08	5.72E-04	1.80E-07	5.25E-08
4433	497863.09, 3857877.25	6.35E-04	2.01E-07	5.83E-08	6.48E-04	2.05E-07	5.95E-08	6.48E-04	2.04E-07	5.94E-08
4434	498363.09, 3857877.25	7.06E-04	2.23E-07	6.48E-08	7.21E-04	2.27E-07	6.62E-08	7.20E-04	2.27E-07	6.61E-08
4435	471363.09, 3858377.25	3.20E-04	1.01E-07	2.94E-08	3.27E-04	1.03E-07	3.00E-08	3.26E-04	1.03E-07	3.00E-08
4436	471863.09, 3858377.25	3.29E-04	1.04E-07	3.02E-08	3.36E-04	1.06E-07	3.08E-08	3.35E-04	1.06E-07	3.08E-08
4437	472363.09, 3858377.25	3.36E-04	1.06E-07	3.09E-08	3.43E-04	1.08E-07	3.15E-08	3.43E-04	1.08E-07	3.15E-08
4438	472863.09, 3858377.25	3.49E-04	1.10E-07	3.21E-08	3.56E-04	1.12E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
4439	473363.09, 3858377.25	3.72E-04	1.17E-07	3.41E-08	3.79E-04	1.20E-07	3.48E-08	3.79E-04	1.20E-07	3.48E-08
4440	473863.09, 3858377.25	3.72E-04	1.17E-07	3.41E-08	3.79E-04	1.20E-07	3.48E-08	3.79E-04	1.20E-07	3.48E-08
4441	474363.09, 3858377.25	3.41E-04	1.08E-07	3.13E-08	3.48E-04	1.10E-07	3.20E-08	3.48E-04	1.10E-07	3.19E-08
4442	474863.09, 3858377.25	2.84E-04	8.97E-08	2.61E-08	2.90E-04	9.16E-08	2.66E-08	2.90E-04	9.15E-08	2.66E-08
4443	475363.09, 3858377.25	1.90E-04	5.99E-08	1.74E-08	1.94E-04	6.11E-08	1.78E-08	1.93E-04	6.10E-08	1.78E-08
4444	475863.09, 3858377.25	1.26E-04	3.97E-08	1.16E-08	1.28E-04	4.05E-08	1.18E-08	1.28E-04	4.05E-08	1.18E-08
4445	476363.09, 3858377.25	1.36E-04	4.30E-08	1.25E-08	1.39E-04	4.38E-08	1.28E-08	1.39E-04	4.38E-08	1.27E-08
4446	476863.09, 3858377.25	1.48E-04	4.67E-08	1.36E-08	1.51E-04	4.76E-08	1.39E-08	1.51E-04	4.76E-08	1.38E-08
4447	477363.09, 3858377.25	1.36E-04	4.28E-08	1.24E-08	1.38E-04	4.37E-08	1.27E-08	1.38E-04	4.36E-08	1.27E-08
4448	477863.09, 3858377.25	1.85E-04	5.84E-08	1.70E-08	1.89E-04	5.96E-08	1.73E-08	1.89E-04	5.95E-08	1.73E-08
4449	478363.09, 3858377.25	1.95E-04	6.15E-08	1.79E-08	1.99E-04	6.27E-08	1.82E-08	1.99E-04	6.27E-08	1.82E-08

4450	478863.09, 3858377.25	1.20E-04	3.79E-08	1.10E-08	1.22E-04	3.86E-08	1.12E-08	1.22E-04	3.86E-08	1.12E-08
4451	479363.09, 3858377.25	3.49E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
4452	479863.09, 3858377.25	5.00E-04	1.58E-07	4.59E-08	5.11E-04	1.61E-07	4.69E-08	5.10E-04	1.61E-07	4.68E-08
4453	480363.09, 3858377.25	5.35E-04	1.69E-07	4.92E-08	5.46E-04	1.72E-07	5.02E-08	5.46E-04	1.72E-07	5.01E-08
4454	480863.09, 3858377.25	5.44E-04	1.72E-07	4.99E-08	5.55E-04	1.75E-07	5.09E-08	5.54E-04	1.75E-07	5.09E-08
4455	481363.09, 3858377.25	5.63E-04	1.78E-07	5.17E-08	5.75E-04	1.81E-07	5.28E-08	5.74E-04	1.81E-07	5.27E-08
4456	481863.09, 3858377.25	5.69E-04	1.80E-07	5.23E-08	5.81E-04	1.83E-07	5.33E-08	5.80E-04	1.83E-07	5.33E-08
4457	482363.09, 3858377.25	5.93E-04	1.87E-07	5.44E-08	6.05E-04	1.91E-07	5.55E-08	6.04E-04	1.91E-07	5.54E-08
4458	482863.09, 3858377.25	6.34E-04	2.00E-07	5.82E-08	6.47E-04	2.04E-07	5.94E-08	6.46E-04	2.04E-07	5.93E-08
4459	483363.09, 3858377.25	6.63E-04	2.09E-07	6.09E-08	6.77E-04	2.14E-07	6.21E-08	6.76E-04	2.13E-07	6.20E-08
4460	483863.09, 3858377.25	6.94E-04	2.19E-07	6.37E-08	7.08E-04	2.24E-07	6.50E-08	7.08E-04	2.23E-07	6.50E-08
4461	484363.09, 3858377.25	7.32E-04	2.31E-07	6.72E-08	7.47E-04	2.36E-07	6.86E-08	7.46E-04	2.36E-07	6.85E-08
4462	484863.09, 3858377.25	7.77E-04	2.45E-07	7.14E-08	7.93E-04	2.50E-07	7.28E-08	7.92E-04	2.50E-07	7.27E-08
4463	485363.09, 3858377.25	8.38E-04	2.64E-07	7.69E-08	8.55E-04	2.70E-07	7.85E-08	8.54E-04	2.70E-07	7.84E-08
4464	485863.09, 3858377.25	9.15E-04	2.89E-07	8.40E-08	9.33E-04	2.95E-07	8.57E-08	9.32E-04	2.94E-07	8.56E-08
4465	486363.09, 3858377.25	1.00E-03	3.16E-07	9.20E-08	1.02E-03	3.23E-07	9.39E-08	1.02E-03	3.22E-07	9.38E-08
4466	486863.09, 3858377.25	1.10E-03	3.48E-07	1.01E-07	1.12E-03	3.55E-07	1.03E-07	1.12E-03	3.55E-07	1.03E-07
4467	487363.09, 3858377.25	1.24E-03	3.90E-07	1.14E-07	1.26E-03	3.98E-07	1.16E-07	1.26E-03	3.98E-07	1.16E-07
4468	487863.09, 3858377.25	1.54E-03	4.87E-07	1.42E-07	1.58E-03	4.97E-07	1.45E-07	1.57E-03	4.97E-07	1.44E-07
4469	488363.09, 3858377.25	1.99E-03	6.28E-07	1.83E-07	2.03E-03	6.40E-07	1.86E-07	2.03E-03	6.40E-07	1.86E-07
4470	488863.09, 3858377.25	2.24E-03	7.08E-07	2.06E-07	2.29E-03	7.22E-07	2.10E-07	2.29E-03	7.21E-07	2.10E-07
4471	489363.09, 3858377.25	2.15E-03	6.78E-07	1.97E-07	2.19E-03	6.92E-07	2.01E-07	2.19E-03	6.91E-07	2.01E-07
4472	489863.09, 3858377.25	2.14E-03	6.74E-07	1.96E-07	2.18E-03	6.88E-07	2.00E-07	2.18E-03	6.87E-07	2.00E-07
4473	490363.09, 3858377.25	2.21E-03	6.97E-07	2.03E-07	2.25E-03	7.11E-07	2.07E-07	2.25E-03	7.11E-07	2.07E-07
4474	490863.09, 3858377.25	2.22E-03	7.00E-07	2.03E-07	2.26E-03	7.14E-07	2.08E-07	2.26E-03	7.13E-07	2.07E-07
4475	491363.09, 3858377.25	1.91E-03	6.02E-07	1.75E-07	1.95E-03	6.14E-07	1.79E-07	1.94E-03	6.13E-07	1.78E-07
4476	491863.09, 3858377.25	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.43E-03	4.50E-07	1.31E-07
4477	492363.09, 3858377.25	1.05E-03	3.30E-07	9.61E-08	1.07E-03	3.37E-07	9.80E-08	1.07E-03	3.37E-07	9.79E-08
4478	492863.09, 3858377.25	1.14E-03	3.61E-07	1.05E-07	1.17E-03	3.69E-07	1.07E-07	1.17E-03	3.68E-07	1.07E-07
4479	493363.09, 3858377.25	1.06E-03	3.35E-07	9.74E-08	1.08E-03	3.42E-07	9.94E-08	1.08E-03	3.41E-07	9.93E-08
4480	493863.09, 3858377.25	1.01E-03	3.20E-07	9.31E-08	1.03E-03	3.27E-07	9.50E-08	1.03E-03	3.26E-07	9.49E-08
4481	494363.09, 3858377.25	9.41E-04	2.97E-07	8.64E-08	9.60E-04	3.03E-07	8.82E-08	9.59E-04	3.03E-07	8.81E-08
4482	494863.09, 3858377.25	8.73E-04	2.76E-07	8.02E-08	8.91E-04	2.81E-07	8.18E-08	8.90E-04	2.81E-07	8.17E-08
4483	495363.09, 3858377.25	7.84E-04	2.47E-07	7.20E-08	8.00E-04	2.52E-07	7.34E-08	7.99E-04	2.52E-07	7.33E-08
4484	495863.09, 3858377.25	7.59E-04	2.40E-07	6.97E-08	7.75E-04	2.45E-07	7.11E-08	7.74E-04	2.44E-07	7.11E-08
4485	496363.09, 3858377.25	7.31E-04	2.31E-07	6.71E-08	7.46E-04	2.35E-07	6.85E-08	7.45E-04	2.35E-07	6.84E-08
4486	496863.09, 3858377.25	7.51E-04	2.37E-07	6.89E-08	7.66E-04	2.42E-07	7.03E-08	7.65E-04	2.41E-07	7.02E-08
4487	497363.09, 3858377.25	7.44E-04	2.35E-07	6.83E-08	7.59E-04	2.40E-07	6.97E-08	7.58E-04	2.39E-07	6.96E-08
4488	497863.09, 3858377.25	8.06E-04	2.54E-07	7.40E-08	8.22E-04	2.60E-07	7.55E-08	8.21E-04	2.59E-07	7.54E-08
4489	498363.09, 3858377.25	8.90E-04	2.81E-07	8.17E-08	9.08E-04	2.87E-07	8.33E-08	9.07E-04	2.86E-07	8.32E-08
4490	471363.09, 3858877.25	3.09E-04	9.75E-08	2.83E-08	3.15E-04	9.95E-08	2.89E-08	3.15E-04	9.93E-08	2.89E-08
4491	471863.09, 3858877.25	3.14E-04	9.91E-08	2.88E-08	3.21E-04	1.01E-07	2.94E-08	3.20E-04	1.01E-07	2.94E-08
4492	472363.09, 3858877.25	3.26E-04	1.03E-07	3.00E-08	3.33E-04	1.05E-07	3.06E-08	3.33E-04	1.05E-07	3.05E-08
4493	472863.09, 3858877.25	3.37E-04	1.06E-07	3.09E-08	3.44E-04	1.09E-07	3.16E-08	3.44E-04	1.08E-07	3.15E-08
4494	473363.09, 3858877.25	3.54E-04	1.12E-07	3.25E-08	3.61E-04	1.14E-07	3.32E-08	3.61E-04	1.14E-07	3.31E-08
4495	473863.09, 3858877.25	3.58E-04	1.13E-07	3.29E-08	3.65E-04	1.15E-07	3.35E-08	3.65E-04	1.15E-07	3.35E-08
4496	474363.09, 3858877.25	3.39E-04	1.07E-07	3.11E-08	3.46E-04	1.09E-07	3.17E-08	3.45E-04	1.09E-07	3.17E-08
4497	474863.09, 3858877.25	1.87E-04	5.90E-08	1.72E-08	1.91E-04	6.02E-08	1.75E-08	1.90E-04	6.01E-08	1.75E-08
4498	475363.09, 3858877.25	1.29E-04	4.07E-08	1.18E-08	1.32E-04	4.16E-08	1.21E-08	1.32E-04	4.15E-08	1.21E-08
4499	475863.09, 3858877.25	1.47E-04	4.63E-08	1.35E-08	1.50E-04	4.73E-08	1.37E-08	1.50E-04	4.72E-08	1.37E-08
4500	476363.09, 3858877.25	7.96E-05	2.51E-08	7.30E-09	8.12E-05	2.56E-08	7.45E-09	8.11E-05	2.56E-08	7.44E-09
4501	476863.09, 3858877.25	1.05E-04	3.31E-08	9.63E-09	1.07E-04	3.38E-08	9.83E-09	1.07E-04	3.37E-08	9.82E-09
4502	477363.09, 3858877.25	1.08E-04	3.39E-08	9.87E-09	1.10E-04	3.46E-08	1.01E-08	1.10E-04	3.46E-08	1.01E-08
4503	477863.09, 3858877.25	1.38E-04	4.34E-08	1.26E-08	1.40E-04	4.43E-08	1.29E-08	1.40E-04	4.43E-08	1.29E-08
4504	478363.09, 3858877.25	2.73E-04	8.61E-08	2.50E-08	2.78E-04	8.79E-08	2.56E-08	2.78E-04	8.78E-08	2.55E-08
4505	478863.09, 3858877.25	2.30E-04	7.25E-08	2.11E-08	2.35E-04	7.40E-08	2.15E-08	2.34E-04	7.39E-08	2.15E-08
4506	479363.09, 3858877.25	1.82E-04	5.76E-08	1.67E-08	1.86E-04	5.87E-08	1.71E-08	1.86E-04	5.87E-08	1.71E-08
4507	479863.09, 3858877.25	4.80E-04	1.51E-07	4.40E-08	4.90E-04	1.54E-07	4.49E-08	4.89E-04	1.54E-07	4.49E-08
4508	480363.09, 3858877.25	5.00E-04	1.58E-07	4.59E-08	5.10E-04	1.61E-07	4.68E-08	5.09E-04	1.61E-07	4.68E-08
4509	480863.09, 3858877.25	5.16E-04	1.63E-07	4.74E-08	5.26E-04	1.66E-07	4.83E-08	5.26E-04	1.66E-07	4.83E-08
4510	481363.09, 3858877.25	5.29E-04	1.67E-07	4.86E-08	5.40E-04	1.70E-07	4.96E-08	5.39E-04	1.70E-07	4.95E-08

4511	481863.09, 3858877.25	5.38E-04	1.70E-07	4.94E-08	5.49E-04	1.73E-07	5.04E-08	5.48E-04	1.73E-07	5.03E-08
4512	482363.09, 3858877.25	5.50E-04	1.74E-07	5.05E-08	5.61E-04	1.77E-07	5.15E-08	5.61E-04	1.77E-07	5.15E-08
4513	482863.09, 3858877.25	5.72E-04	1.80E-07	5.25E-08	5.83E-04	1.84E-07	5.36E-08	5.83E-04	1.84E-07	5.35E-08
4514	483363.09, 3858877.25	6.18E-04	1.95E-07	5.67E-08	6.31E-04	1.99E-07	5.79E-08	6.30E-04	1.99E-07	5.78E-08
4515	483863.09, 3858877.25	6.51E-04	2.05E-07	5.97E-08	6.64E-04	2.10E-07	6.09E-08	6.63E-04	2.09E-07	6.09E-08
4516	484363.09, 3858877.25	6.92E-04	2.18E-07	6.35E-08	7.06E-04	2.23E-07	6.48E-08	7.05E-04	2.22E-07	6.47E-08
4517	484863.09, 3858877.25	7.41E-04	2.34E-07	6.80E-08	7.56E-04	2.39E-07	6.94E-08	7.55E-04	2.38E-07	6.93E-08
4518	485363.09, 3858877.25	8.10E-04	2.56E-07	7.43E-08	8.26E-04	2.61E-07	7.59E-08	8.25E-04	2.60E-07	7.58E-08
4519	485863.09, 3858877.25	9.08E-04	2.87E-07	8.34E-08	9.27E-04	2.92E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
4520	486363.09, 3858877.25	1.03E-03	3.26E-07	9.49E-08	1.05E-03	3.33E-07	9.68E-08	1.05E-03	3.32E-07	9.67E-08
4521	486863.09, 3858877.25	1.22E-03	3.84E-07	1.12E-07	1.24E-03	3.91E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
4522	487363.09, 3858877.25	1.52E-03	4.80E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.90E-07	1.42E-07
4523	487863.09, 3858877.25	2.04E-03	6.44E-07	1.87E-07	2.08E-03	6.57E-07	1.91E-07	2.08E-03	6.56E-07	1.91E-07
4524	488363.09, 3858877.25	3.42E-03	1.08E-06	3.14E-07	3.49E-03	1.10E-06	3.20E-07	3.48E-03	1.10E-06	3.20E-07
4525	488863.09, 3858877.25	1.60E-02	5.04E-06	1.47E-06	1.63E-02	5.15E-06	1.50E-06	1.63E-02	5.14E-06	1.49E-06
4526	489363.09, 3858877.25	1.51E-02	4.77E-06	1.39E-06	1.54E-02	4.87E-06	1.42E-06	1.54E-02	4.86E-06	1.41E-06
4527	489863.09, 3858877.25	9.73E-03	3.07E-06	8.93E-07	9.93E-03	3.13E-06	9.11E-07	9.92E-03	3.13E-06	9.10E-07
4528	490363.09, 3858877.25	6.83E-03	2.16E-06	6.27E-07	6.97E-03	2.20E-06	6.40E-07	6.97E-03	2.20E-06	6.40E-07
4529	490863.09, 3858877.25	4.50E-03	1.42E-06	4.13E-07	4.59E-03	1.45E-06	4.21E-07	4.58E-03	1.45E-06	4.21E-07
4530	491363.09, 3858877.25	2.87E-03	9.07E-07	2.64E-07	2.93E-03	9.25E-07	2.69E-07	2.93E-03	9.24E-07	2.69E-07
4531	491863.09, 3858877.25	2.01E-03	6.35E-07	1.85E-07	2.05E-03	6.48E-07	1.88E-07	2.05E-03	6.47E-07	1.88E-07
4532	492363.09, 3858877.25	2.15E-03	6.79E-07	1.98E-07	2.20E-03	6.93E-07	2.02E-07	2.19E-03	6.92E-07	2.01E-07
4533	492863.09, 3858877.25	2.40E-03	7.56E-07	2.20E-07	2.45E-03	7.72E-07	2.25E-07	2.44E-03	7.71E-07	2.24E-07
4534	493363.09, 3858877.25	2.07E-03	6.54E-07	1.90E-07	2.11E-03	6.67E-07	1.94E-07	2.11E-03	6.66E-07	1.94E-07
4535	493863.09, 3858877.25	1.68E-03	5.30E-07	1.54E-07	1.71E-03	5.41E-07	1.57E-07	1.71E-03	5.40E-07	1.57E-07
4536	494363.09, 3858877.25	1.52E-03	4.81E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.90E-07	1.42E-07
4537	494863.09, 3858877.25	1.36E-03	4.29E-07	1.25E-07	1.39E-03	4.38E-07	1.27E-07	1.39E-03	4.38E-07	1.27E-07
4538	495363.09, 3858877.25	1.21E-03	3.80E-07	1.11E-07	1.23E-03	3.88E-07	1.13E-07	1.23E-03	3.88E-07	1.13E-07
4539	495863.09, 3858877.25	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
4540	496363.09, 3858877.25	1.05E-03	3.32E-07	9.65E-08	1.07E-03	3.39E-07	9.85E-08	1.07E-03	3.38E-07	9.84E-08
4541	496863.09, 3858877.25	9.98E-04	3.15E-07	9.16E-08	1.02E-03	3.21E-07	9.35E-08	1.02E-03	3.21E-07	9.34E-08
4542	497363.09, 3858877.25	9.49E-04	2.99E-07	8.71E-08	9.68E-04	3.06E-07	8.89E-08	9.67E-04	3.05E-07	8.88E-08
4543	497863.09, 3858877.25	1.01E-03	3.20E-07	9.31E-08	1.03E-03	3.27E-07	9.50E-08	1.03E-03	3.26E-07	9.49E-08
4544	498363.09, 3858877.25	1.09E-03	3.43E-07	9.98E-08	1.11E-03	3.50E-07	1.02E-07	1.11E-03	3.50E-07	1.02E-07
4545	471363.09, 3859377.25	2.93E-04	9.23E-08	2.69E-08	2.99E-04	9.42E-08	2.74E-08	2.98E-04	9.41E-08	2.74E-08
4546	471863.09, 3859377.25	3.00E-04	9.48E-08	2.76E-08	3.06E-04	9.67E-08	2.81E-08	3.06E-04	9.66E-08	2.81E-08
4547	472363.09, 3859377.25	3.12E-04	9.86E-08	2.87E-08	3.19E-04	1.01E-07	2.93E-08	3.18E-04	1.00E-07	2.92E-08
4548	472863.09, 3859377.25	3.23E-04	1.02E-07	2.97E-08	3.30E-04	1.04E-07	3.03E-08	3.29E-04	1.04E-07	3.02E-08
4549	473363.09, 3859377.25	3.36E-04	1.06E-07	3.08E-08	3.43E-04	1.08E-07	3.15E-08	3.42E-04	1.08E-07	3.14E-08
4550	473863.09, 3859377.25	3.44E-04	1.09E-07	3.16E-08	3.51E-04	1.11E-07	3.22E-08	3.50E-04	1.11E-07	3.22E-08
4551	474363.09, 3859377.25	3.25E-04	1.02E-07	2.98E-08	3.31E-04	1.05E-07	3.04E-08	3.31E-04	1.04E-07	3.04E-08
4552	474863.09, 3859377.25	2.63E-04	8.29E-08	2.41E-08	2.68E-04	8.46E-08	2.46E-08	2.68E-04	8.45E-08	2.46E-08
4553	475363.09, 3859377.25	1.79E-04	5.65E-08	1.64E-08	1.83E-04	5.76E-08	1.68E-08	1.82E-04	5.75E-08	1.67E-08
4554	475863.09, 3859377.25	1.08E-04	3.39E-08	9.87E-09	1.10E-04	3.46E-08	1.01E-08	1.10E-04	3.46E-08	1.01E-08
4555	476363.09, 3859377.25	9.13E-05	2.88E-08	8.39E-09	9.32E-05	2.94E-08	8.56E-09	9.31E-05	2.94E-08	8.55E-09
4556	476863.09, 3859377.25	6.87E-05	2.17E-08	6.30E-09	7.01E-05	2.21E-08	6.43E-09	7.00E-05	2.21E-08	6.42E-09
4557	477363.09, 3859377.25	7.54E-05	2.38E-08	6.93E-09	7.70E-05	2.43E-08	7.07E-09	7.69E-05	2.43E-08	7.06E-09
4558	477863.09, 3859377.25	1.57E-04	4.97E-08	1.44E-08	1.61E-04	5.07E-08	1.47E-08	1.60E-04	5.06E-08	1.47E-08
4559	478363.09, 3859377.25	2.37E-04	7.49E-08	2.18E-08	2.42E-04	7.64E-08	2.22E-08	2.42E-04	7.63E-08	2.22E-08
4560	478863.09, 3859377.25	3.25E-04	1.03E-07	2.99E-08	3.32E-04	1.05E-07	3.05E-08	3.32E-04	1.05E-07	3.04E-08
4561	479363.09, 3859377.25	3.88E-04	1.22E-07	3.56E-08	3.96E-04	1.25E-07	3.64E-08	3.96E-04	1.25E-07	3.63E-08
4562	479863.09, 3859377.25	4.29E-04	1.35E-07	3.94E-08	4.37E-04	1.38E-07	4.02E-08	4.37E-04	1.38E-07	4.01E-08
4563	480363.09, 3859377.25	4.59E-04	1.45E-07	4.22E-08	4.69E-04	1.48E-07	4.30E-08	4.68E-04	1.48E-07	4.30E-08
4564	480863.09, 3859377.25	4.81E-04	1.52E-07	4.42E-08	4.91E-04	1.55E-07	4.51E-08	4.90E-04	1.55E-07	4.50E-08
4565	481363.09, 3859377.25	4.95E-04	1.56E-07	4.55E-08	5.05E-04	1.60E-07	4.64E-08	5.05E-04	1.59E-07	4.63E-08
4566	481863.09, 3859377.25	5.06E-04	1.60E-07	4.64E-08	5.16E-04	1.63E-07	4.74E-08	5.16E-04	1.63E-07	4.73E-08
4567	482363.09, 3859377.25	5.19E-04	1.64E-07	4.77E-08	5.30E-04	1.67E-07	4.86E-08	5.29E-04	1.67E-07	4.86E-08
4568	482863.09, 3859377.25	5.40E-04	1.71E-07	4.96E-08	5.51E-04	1.74E-07	5.06E-08	5.51E-04	1.74E-07	5.06E-08
4569	483363.09, 3859377.25	5.78E-04	1.82E-07	5.30E-08	5.89E-04	1.86E-07	5.41E-08	5.89E-04	1.86E-07	5.40E-08
4570	483863.09, 3859377.25	6.11E-04	1.93E-07	5.61E-08	6.24E-04	1.97E-07	5.72E-08	6.23E-04	1.97E-07	5.72E-08
4571	484363.09, 3859377.25	6.52E-04	2.06E-07	5.99E-08	6.66E-04	2.10E-07	6.11E-08	6.65E-04	2.10E-07	6.10E-08

4572	484863.09, 3859377.25	7.02E-04	2.22E-07	6.45E-08	7.17E-04	2.26E-07	6.58E-08	7.16E-04	2.26E-07	6.57E-08
4573	485363.09, 3859377.25	7.68E-04	2.43E-07	7.05E-08	7.84E-04	2.47E-07	7.20E-08	7.83E-04	2.47E-07	7.19E-08
4574	485863.09, 3859377.25	8.62E-04	2.72E-07	7.91E-08	8.79E-04	2.77E-07	8.07E-08	8.78E-04	2.77E-07	8.06E-08
4575	486363.09, 3859377.25	9.94E-04	3.14E-07	9.12E-08	1.01E-03	3.20E-07	9.31E-08	1.01E-03	3.20E-07	9.30E-08
4576	486863.09, 3859377.25	1.18E-03	3.72E-07	1.08E-07	1.20E-03	3.80E-07	1.11E-07	1.20E-03	3.80E-07	1.10E-07
4577	487363.09, 3859377.25	1.49E-03	4.69E-07	1.36E-07	1.52E-03	4.78E-07	1.39E-07	1.51E-03	4.78E-07	1.39E-07
4578	487863.09, 3859377.25	2.10E-03	6.61E-07	1.92E-07	2.14E-03	6.75E-07	1.96E-07	2.14E-03	6.74E-07	1.96E-07
4579	488363.09, 3859377.25	3.30E-03	1.04E-06	3.03E-07	3.37E-03	1.06E-06	3.09E-07	3.36E-03	1.06E-06	3.09E-07
4580	488863.09, 3859377.25	6.65E-03	2.10E-06	6.10E-07	6.79E-03	2.14E-06	6.23E-07	6.78E-03	2.14E-06	6.22E-07
4581	489363.09, 3859377.25	1.79E-02	5.66E-06	1.65E-06	1.83E-02	5.78E-06	1.68E-06	1.83E-02	5.77E-06	1.68E-06
4582	489863.09, 3859377.25	6.24E-02	1.97E-05	5.73E-06	6.37E-02	2.01E-05	5.85E-06	6.36E-02	2.01E-05	5.84E-06
4583	490363.09, 3859377.25	2.15E-02	6.79E-06	1.97E-06	2.19E-02	6.92E-06	2.01E-06	2.19E-02	6.92E-06	2.01E-06
4584	490863.09, 3859377.25	1.06E-02	3.33E-06	9.69E-07	1.08E-02	3.40E-06	9.89E-07	1.08E-02	3.40E-06	9.88E-07
4585	491363.09, 3859377.25	5.24E-03	1.65E-06	4.81E-07	5.35E-03	1.69E-06	4.91E-07	5.34E-03	1.69E-06	4.91E-07
4586	491863.09, 3859377.25	5.56E-03	1.76E-06	5.11E-07	5.68E-03	1.79E-06	5.21E-07	5.67E-03	1.79E-06	5.21E-07
4587	492363.09, 3859377.25	4.74E-03	1.50E-06	4.35E-07	4.84E-03	1.53E-06	4.44E-07	4.83E-03	1.53E-06	4.44E-07
4588	492863.09, 3859377.25	4.24E-03	1.34E-06	3.89E-07	4.33E-03	1.37E-06	3.97E-07	4.32E-03	1.36E-06	3.97E-07
4589	493363.09, 3859377.25	3.35E-03	1.06E-06	3.08E-07	3.42E-03	1.08E-06	3.14E-07	3.42E-03	1.08E-06	3.14E-07
4590	493863.09, 3859377.25	2.95E-03	9.31E-07	2.71E-07	3.01E-03	9.50E-07	2.76E-07	3.01E-03	9.49E-07	2.76E-07
4591	494363.09, 3859377.25	2.50E-03	7.90E-07	2.30E-07	2.55E-03	8.06E-07	2.34E-07	2.55E-03	8.05E-07	2.34E-07
4592	494863.09, 3859377.25	1.97E-03	6.21E-07	1.81E-07	2.01E-03	6.34E-07	1.84E-07	2.01E-03	6.33E-07	1.84E-07
4593	495363.09, 3859377.25	1.77E-03	5.59E-07	1.63E-07	1.81E-03	5.70E-07	1.66E-07	1.80E-03	5.70E-07	1.66E-07
4594	495863.09, 3859377.25	1.55E-03	4.90E-07	1.43E-07	1.58E-03	5.00E-07	1.45E-07	1.58E-03	4.99E-07	1.45E-07
4595	496363.09, 3859377.25	1.46E-03	4.60E-07	1.34E-07	1.49E-03	4.69E-07	1.36E-07	1.48E-03	4.69E-07	1.36E-07
4596	496863.09, 3859377.25	1.25E-03	3.95E-07	1.15E-07	1.28E-03	4.03E-07	1.17E-07	1.28E-03	4.03E-07	1.17E-07
4597	497363.09, 3859377.25	1.23E-03	3.88E-07	1.13E-07	1.26E-03	3.96E-07	1.15E-07	1.25E-03	3.96E-07	1.15E-07
4598	497863.09, 3859377.25	1.28E-03	4.04E-07	1.17E-07	1.31E-03	4.12E-07	1.20E-07	1.30E-03	4.12E-07	1.20E-07
4599	498363.09, 3859377.25	1.30E-03	4.11E-07	1.20E-07	1.33E-03	4.20E-07	1.22E-07	1.33E-03	4.19E-07	1.22E-07
4600	471363.09, 3859877.25	2.78E-04	8.79E-08	2.56E-08	2.84E-04	8.97E-08	2.61E-08	2.84E-04	8.96E-08	2.61E-08
4601	471863.09, 3859877.25	2.88E-04	9.08E-08	2.64E-08	2.93E-04	9.26E-08	2.69E-08	2.93E-04	9.25E-08	2.69E-08
4602	472363.09, 3859877.25	2.96E-04	9.33E-08	2.71E-08	3.02E-04	9.52E-08	2.77E-08	3.01E-04	9.51E-08	2.77E-08
4603	472863.09, 3859877.25	3.07E-04	9.69E-08	2.82E-08	3.13E-04	9.89E-08	2.88E-08	3.13E-04	9.88E-08	2.87E-08
4604	473363.09, 3859877.25	3.18E-04	1.00E-07	2.92E-08	3.24E-04	1.02E-07	2.98E-08	3.24E-04	1.02E-07	2.97E-08
4605	473863.09, 3859877.25	3.26E-04	1.03E-07	3.00E-08	3.33E-04	1.05E-07	3.06E-08	3.33E-04	1.05E-07	3.05E-08
4606	474363.09, 3859877.25	3.17E-04	1.00E-07	2.91E-08	3.24E-04	1.02E-07	2.97E-08	3.23E-04	1.02E-07	2.97E-08
4607	474863.09, 3859877.25	2.88E-04	9.10E-08	2.65E-08	2.94E-04	9.29E-08	2.70E-08	2.94E-04	9.28E-08	2.70E-08
4608	475363.09, 3859877.25	2.04E-04	6.44E-08	1.87E-08	2.08E-04	6.57E-08	1.91E-08	2.08E-04	6.56E-08	1.91E-08
4609	475863.09, 3859877.25	1.03E-04	3.25E-08	9.44E-09	1.05E-04	3.31E-08	9.63E-09	1.05E-04	3.31E-08	9.62E-09
4610	476363.09, 3859877.25	5.48E-05	1.73E-08	5.03E-09	5.59E-05	1.77E-08	5.13E-09	5.59E-05	1.76E-08	5.13E-09
4611	476863.09, 3859877.25	6.54E-05	2.06E-08	6.01E-09	6.68E-05	2.11E-08	6.13E-09	6.67E-05	2.10E-08	6.12E-09
4612	477363.09, 3859877.25	7.04E-05	2.22E-08	6.47E-09	7.19E-05	2.27E-08	6.60E-09	7.18E-05	2.27E-08	6.59E-09
4613	477863.09, 3859877.25	1.39E-04	4.40E-08	1.28E-08	1.42E-04	4.49E-08	1.31E-08	1.42E-04	4.48E-08	1.30E-08
4614	478363.09, 3859877.25	2.27E-04	7.18E-08	2.09E-08	2.32E-04	7.33E-08	2.13E-08	2.32E-04	7.32E-08	2.13E-08
4615	478863.09, 3859877.25	3.08E-04	9.73E-08	2.83E-08	3.15E-04	9.93E-08	2.89E-08	3.14E-04	9.91E-08	2.88E-08
4616	479363.09, 3859877.25	3.74E-04	1.18E-07	3.43E-08	3.81E-04	1.20E-07	3.50E-08	3.81E-04	1.20E-07	3.50E-08
4617	479863.09, 3859877.25	4.08E-04	1.29E-07	3.75E-08	4.17E-04	1.32E-07	3.83E-08	4.16E-04	1.31E-07	3.82E-08
4618	480363.09, 3859877.25	4.35E-04	1.37E-07	3.99E-08	4.44E-04	1.40E-07	4.07E-08	4.43E-04	1.40E-07	4.07E-08
4619	480863.09, 3859877.25	4.54E-04	1.43E-07	4.17E-08	4.63E-04	1.46E-07	4.25E-08	4.63E-04	1.46E-07	4.25E-08
4620	481363.09, 3859877.25	4.67E-04	1.47E-07	4.29E-08	4.77E-04	1.50E-07	4.38E-08	4.76E-04	1.50E-07	4.37E-08
4621	481863.09, 3859877.25	4.79E-04	1.51E-07	4.40E-08	4.89E-04	1.54E-07	4.49E-08	4.88E-04	1.54E-07	4.48E-08
4622	482363.09, 3859877.25	4.96E-04	1.57E-07	4.55E-08	5.06E-04	1.60E-07	4.65E-08	5.05E-04	1.60E-07	4.64E-08
4623	482863.09, 3859877.25	5.15E-04	1.63E-07	4.73E-08	5.26E-04	1.66E-07	4.83E-08	5.25E-04	1.66E-07	4.82E-08
4624	483363.09, 3859877.25	5.43E-04	1.71E-07	4.99E-08	5.54E-04	1.75E-07	5.09E-08	5.54E-04	1.75E-07	5.08E-08
4625	483863.09, 3859877.25	5.82E-04	1.84E-07	5.35E-08	5.94E-04	1.88E-07	5.45E-08	5.93E-04	1.87E-07	5.45E-08
4626	484363.09, 3859877.25	6.19E-04	1.95E-07	5.69E-08	6.32E-04	1.99E-07	5.80E-08	6.31E-04	1.99E-07	5.80E-08
4627	484863.09, 3859877.25	6.67E-04	2.10E-07	6.12E-08	6.80E-04	2.15E-07	6.25E-08	6.80E-04	2.15E-07	6.24E-08
4628	485363.09, 3859877.25	7.29E-04	2.30E-07	6.70E-08	7.44E-04	2.35E-07	6.83E-08	7.43E-04	2.35E-07	6.82E-08
4629	485863.09, 3859877.25	8.17E-04	2.58E-07	7.50E-08	8.34E-04	2.63E-07	7.66E-08	8.33E-04	2.63E-07	7.65E-08
4630	486363.09, 3859877.25	9.45E-04	2.98E-07	8.68E-08	9.64E-04	3.04E-07	8.85E-08	9.63E-04	3.04E-07	8.84E-08
4631	486863.09, 3859877.25	1.14E-03	3.60E-07	1.05E-07	1.16E-03	3.67E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
4632	487363.09, 3859877.25	1.39E-03	4.40E-07	1.28E-07	1.42E-03	4.49E-07	1.31E-07	1.42E-03	4.48E-07	1.30E-07

4633	487863.09, 3859877.25	1.83E-03	5.76E-07	1.68E-07	1.86E-03	5.88E-07	1.71E-07	1.86E-03	5.87E-07	1.71E-07
4634	488363.09, 3859877.25	2.49E-03	7.86E-07	2.29E-07	2.54E-03	8.02E-07	2.33E-07	2.54E-03	8.01E-07	2.33E-07
4635	488863.09, 3859877.25	3.66E-03	1.15E-06	3.36E-07	3.73E-03	1.18E-06	3.43E-07	3.73E-03	1.18E-06	3.42E-07
4636	489363.09, 3859877.25	5.57E-03	1.76E-06	5.11E-07	5.69E-03	1.79E-06	5.22E-07	5.68E-03	1.79E-06	5.21E-07
4637	489863.09, 3859877.25	9.34E-03	2.95E-06	8.58E-07	9.53E-03	3.01E-06	8.75E-07	9.52E-03	3.01E-06	8.74E-07
4638	490363.09, 3859877.25	1.82E-02	5.75E-06	1.67E-06	1.86E-02	5.87E-06	1.71E-06	1.86E-02	5.86E-06	1.70E-06
4639	490863.09, 3859877.25	8.99E-02	2.84E-05	8.25E-06	9.17E-02	2.90E-05	8.42E-06	9.16E-02	2.89E-05	8.41E-06
4640	491363.09, 3859877.25	2.88E-02	9.09E-06	2.64E-06	2.94E-02	9.27E-06	2.70E-06	2.93E-02	9.26E-06	2.69E-06
4641	491863.09, 3859877.25	1.49E-02	4.72E-06	1.37E-06	1.53E-02	4.81E-06	1.40E-06	1.52E-02	4.81E-06	1.40E-06
4642	492363.09, 3859877.25	1.00E-02	3.17E-06	9.21E-07	1.02E-02	3.23E-06	9.40E-07	1.02E-02	3.23E-06	9.39E-07
4643	492863.09, 3859877.25	6.95E-03	2.19E-06	6.38E-07	7.09E-03	2.24E-06	6.51E-07	7.09E-03	2.24E-06	6.51E-07
4644	493363.09, 3859877.25	5.36E-03	1.69E-06	4.92E-07	5.47E-03	1.73E-06	5.02E-07	5.46E-03	1.72E-06	5.01E-07
4645	493863.09, 3859877.25	4.25E-03	1.34E-06	3.90E-07	4.34E-03	1.37E-06	3.98E-07	4.34E-03	1.37E-06	3.98E-07
4646	494363.09, 3859877.25	3.34E-03	1.05E-06	3.07E-07	3.41E-03	1.08E-06	3.13E-07	3.41E-03	1.08E-06	3.13E-07
4647	494863.09, 3859877.25	2.85E-03	8.99E-07	2.61E-07	2.91E-03	9.17E-07	2.67E-07	2.90E-03	9.16E-07	2.66E-07
4648	495363.09, 3859877.25	2.39E-03	7.53E-07	2.19E-07	2.43E-03	7.68E-07	2.24E-07	2.43E-03	7.67E-07	2.23E-07
4649	495863.09, 3859877.25	2.02E-03	6.37E-07	1.85E-07	2.06E-03	6.50E-07	1.89E-07	2.06E-03	6.49E-07	1.89E-07
4650	496363.09, 3859877.25	1.64E-03	5.18E-07	1.51E-07	1.68E-03	5.29E-07	1.54E-07	1.67E-03	5.28E-07	1.54E-07
4651	496863.09, 3859877.25	1.18E-03	3.74E-07	1.09E-07	1.21E-03	3.81E-07	1.11E-07	1.21E-03	3.81E-07	1.11E-07
4652	497363.09, 3859877.25	1.31E-03	4.13E-07	1.20E-07	1.33E-03	4.21E-07	1.22E-07	1.33E-03	4.20E-07	1.22E-07
4653	497863.09, 3859877.25	1.42E-03	4.50E-07	1.31E-07	1.45E-03	4.59E-07	1.33E-07	1.45E-03	4.58E-07	1.33E-07
4654	498363.09, 3859877.25	1.42E-03	4.47E-07	1.30E-07	1.45E-03	4.56E-07	1.33E-07	1.44E-03	4.56E-07	1.33E-07
4655	471363.09, 3860377.25	2.67E-04	8.42E-08	2.45E-08	2.72E-04	8.59E-08	2.50E-08	2.72E-04	8.58E-08	2.50E-08
4656	471863.09, 3860377.25	2.75E-04	8.68E-08	2.52E-08	2.81E-04	8.85E-08	2.58E-08	2.80E-04	8.84E-08	2.57E-08
4657	472363.09, 3860377.25	2.84E-04	8.97E-08	2.61E-08	2.90E-04	9.15E-08	2.66E-08	2.90E-04	9.14E-08	2.66E-08
4658	472863.09, 3860377.25	2.94E-04	9.27E-08	2.70E-08	3.00E-04	9.46E-08	2.75E-08	2.99E-04	9.45E-08	2.75E-08
4659	473363.09, 3860377.25	3.03E-04	9.55E-08	2.78E-08	3.09E-04	9.75E-08	2.83E-08	3.08E-04	9.73E-08	2.83E-08
4660	473863.09, 3860377.25	3.10E-04	9.78E-08	2.85E-08	3.16E-04	9.98E-08	2.90E-08	3.16E-04	9.97E-08	2.90E-08
4661	474363.09, 3860377.25	3.12E-04	9.86E-08	2.87E-08	3.19E-04	1.01E-07	2.93E-08	3.18E-04	1.00E-07	2.92E-08
4662	474863.09, 3860377.25	3.07E-04	9.69E-08	2.82E-08	3.13E-04	9.89E-08	2.88E-08	3.13E-04	9.88E-08	2.87E-08
4663	475363.09, 3860377.25	2.83E-04	8.95E-08	2.60E-08	2.89E-04	9.13E-08	2.66E-08	2.89E-04	9.12E-08	2.65E-08
4664	475863.09, 3860377.25	2.51E-04	7.91E-08	2.30E-08	2.56E-04	8.08E-08	2.35E-08	2.56E-04	8.07E-08	2.35E-08
4665	476363.09, 3860377.25	2.07E-04	6.54E-08	1.90E-08	2.11E-04	6.67E-08	1.94E-08	2.11E-04	6.66E-08	1.94E-08
4666	476863.09, 3860377.25	1.88E-04	5.93E-08	1.73E-08	1.92E-04	6.05E-08	1.76E-08	1.92E-04	6.05E-08	1.76E-08
4667	477363.09, 3860377.25	1.15E-04	3.63E-08	1.05E-08	1.17E-04	3.70E-08	1.08E-08	1.17E-04	3.70E-08	1.08E-08
4668	477863.09, 3860377.25	1.45E-04	4.57E-08	1.33E-08	1.48E-04	4.66E-08	1.36E-08	1.47E-04	4.65E-08	1.35E-08
4669	478363.09, 3860377.25	2.37E-04	7.50E-08	2.18E-08	2.42E-04	7.65E-08	2.22E-08	2.42E-04	7.64E-08	2.22E-08
4670	478863.09, 3860377.25	2.99E-04	9.45E-08	2.75E-08	3.05E-04	9.64E-08	2.80E-08	3.05E-04	9.63E-08	2.80E-08
4671	479363.09, 3860377.25	3.53E-04	1.11E-07	3.24E-08	3.60E-04	1.14E-07	3.31E-08	3.60E-04	1.14E-07	3.30E-08
4672	479863.09, 3860377.25	3.90E-04	1.23E-07	3.58E-08	3.97E-04	1.25E-07	3.65E-08	3.97E-04	1.25E-07	3.64E-08
4673	480363.09, 3860377.25	4.13E-04	1.30E-07	3.80E-08	4.22E-04	1.33E-07	3.87E-08	4.21E-04	1.33E-07	3.87E-08
4674	480863.09, 3860377.25	4.30E-04	1.36E-07	3.95E-08	4.39E-04	1.39E-07	4.03E-08	4.38E-04	1.38E-07	4.03E-08
4675	481363.09, 3860377.25	4.40E-04	1.39E-07	4.04E-08	4.49E-04	1.42E-07	4.12E-08	4.49E-04	1.42E-07	4.12E-08
4676	481863.09, 3860377.25	4.55E-04	1.43E-07	4.17E-08	4.64E-04	1.46E-07	4.26E-08	4.63E-04	1.46E-07	4.25E-08
4677	482363.09, 3860377.25	4.70E-04	1.48E-07	4.31E-08	4.79E-04	1.51E-07	4.40E-08	4.79E-04	1.51E-07	4.39E-08
4678	482863.09, 3860377.25	4.86E-04	1.54E-07	4.47E-08	4.96E-04	1.57E-07	4.56E-08	4.96E-04	1.56E-07	4.55E-08
4679	483363.09, 3860377.25	5.14E-04	1.62E-07	4.72E-08	5.25E-04	1.66E-07	4.82E-08	5.24E-04	1.65E-07	4.81E-08
4680	483863.09, 3860377.25	5.50E-04	1.74E-07	5.05E-08	5.61E-04	1.77E-07	5.15E-08	5.61E-04	1.77E-07	5.15E-08
4681	484363.09, 3860377.25	5.91E-04	1.87E-07	5.43E-08	6.03E-04	1.90E-07	5.54E-08	6.03E-04	1.90E-07	5.53E-08
4682	484863.09, 3860377.25	6.40E-04	2.02E-07	5.87E-08	6.53E-04	2.06E-07	5.99E-08	6.52E-04	2.06E-07	5.99E-08
4683	485363.09, 3860377.25	7.00E-04	2.21E-07	6.43E-08	7.14E-04	2.25E-07	6.56E-08	7.14E-04	2.25E-07	6.55E-08
4684	485863.09, 3860377.25	7.87E-04	2.48E-07	7.22E-08	8.03E-04	2.53E-07	7.37E-08	8.02E-04	2.53E-07	7.36E-08
4685	486363.09, 3860377.25	8.96E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
4686	486863.09, 3860377.25	1.03E-03	3.26E-07	9.47E-08	1.05E-03	3.32E-07	9.66E-08	1.05E-03	3.32E-07	9.65E-08
4687	487363.09, 3860377.25	1.21E-03	3.83E-07	1.11E-07	1.24E-03	3.91E-07	1.14E-07	1.24E-03	3.90E-07	1.13E-07
4688	487863.09, 3860377.25	1.50E-03	4.75E-07	1.38E-07	1.54E-03	4.85E-07	1.41E-07	1.53E-03	4.84E-07	1.41E-07
4689	488363.09, 3860377.25	1.90E-03	6.00E-07	1.75E-07	1.94E-03	6.12E-07	1.78E-07	1.94E-03	6.12E-07	1.78E-07
4690	488863.09, 3860377.25	2.43E-03	7.68E-07	2.23E-07	2.48E-03	7.83E-07	2.28E-07	2.48E-03	7.82E-07	2.28E-07
4691	489363.09, 3860377.25	3.11E-03	9.82E-07	2.86E-07	3.17E-03	1.00E-06	2.91E-07	3.17E-03	1.00E-06	2.91E-07
4692	489863.09, 3860377.25	4.12E-03	1.30E-06	3.79E-07	4.21E-03	1.33E-06	3.86E-07	4.20E-03	1.33E-06	3.86E-07
4693	490363.09, 3860377.25	5.51E-03	1.74E-06	5.05E-07	5.62E-03	1.77E-06	5.16E-07	5.61E-03	1.77E-06	5.15E-07

4694	490863.09, 3860377.25	8.12E-03	2.56E-06	7.46E-07	8.29E-03	2.62E-06	7.61E-07	8.28E-03	2.61E-06	7.60E-07
4695	491363.09, 3860377.25	1.80E-02	5.69E-06	1.65E-06	1.84E-02	5.80E-06	1.69E-06	1.84E-02	5.80E-06	1.69E-06
4696	491863.09, 3860377.25	3.61E-02	1.14E-05	3.32E-06	3.69E-02	1.16E-05	3.39E-06	3.68E-02	1.16E-05	3.38E-06
4697	492363.09, 3860377.25	1.52E-02	4.81E-06	1.40E-06	1.55E-02	4.91E-06	1.43E-06	1.55E-02	4.90E-06	1.43E-06
4698	492863.09, 3860377.25	8.99E-03	2.84E-06	8.25E-07	9.17E-03	2.89E-06	8.42E-07	9.16E-03	2.89E-06	8.41E-07
4699	493363.09, 3860377.25	6.07E-03	1.92E-06	5.57E-07	6.20E-03	1.96E-06	5.69E-07	6.19E-03	1.95E-06	5.68E-07
4700	493863.09, 3860377.25	4.71E-03	1.49E-06	4.33E-07	4.81E-03	1.52E-06	4.42E-07	4.81E-03	1.52E-06	4.41E-07
4701	494363.09, 3860377.25	3.72E-03	1.17E-06	3.42E-07	3.80E-03	1.20E-06	3.49E-07	3.79E-03	1.20E-06	3.48E-07
4702	494863.09, 3860377.25	3.15E-03	9.93E-07	2.89E-07	3.21E-03	1.01E-06	2.95E-07	3.21E-03	1.01E-06	2.94E-07
4703	495363.09, 3860377.25	2.64E-03	8.32E-07	2.42E-07	2.69E-03	8.49E-07	2.47E-07	2.69E-03	8.48E-07	2.47E-07
4704	495863.09, 3860377.25	2.11E-03	6.66E-07	1.94E-07	2.15E-03	6.79E-07	1.98E-07	2.15E-03	6.78E-07	1.97E-07
4705	496363.09, 3860377.25	1.70E-03	5.36E-07	1.56E-07	1.73E-03	5.47E-07	1.59E-07	1.73E-03	5.46E-07	1.59E-07
4706	496863.09, 3860377.25	1.43E-03	4.52E-07	1.32E-07	1.46E-03	4.61E-07	1.34E-07	1.46E-03	4.61E-07	1.34E-07
4707	497363.09, 3860377.25	1.19E-03	3.76E-07	1.09E-07	1.22E-03	3.84E-07	1.12E-07	1.21E-03	3.83E-07	1.11E-07
4708	497863.09, 3860377.25	1.30E-03	4.11E-07	1.19E-07	1.33E-03	4.19E-07	1.22E-07	1.33E-03	4.19E-07	1.22E-07
4709	498363.09, 3860377.25	1.34E-03	4.23E-07	1.23E-07	1.37E-03	4.32E-07	1.26E-07	1.37E-03	4.31E-07	1.26E-07
4710	471363.09, 3860877.25	2.59E-04	8.17E-08	2.38E-08	2.64E-04	8.34E-08	2.43E-08	2.64E-04	8.33E-08	2.42E-08
4711	471863.09, 3860877.25	2.67E-04	8.43E-08	2.45E-08	2.72E-04	8.60E-08	2.50E-08	2.72E-04	8.59E-08	2.50E-08
4712	472363.09, 3860877.25	2.75E-04	8.67E-08	2.52E-08	2.80E-04	8.84E-08	2.57E-08	2.80E-04	8.83E-08	2.57E-08
4713	472863.09, 3860877.25	2.83E-04	8.94E-08	2.60E-08	2.89E-04	9.12E-08	2.65E-08	2.89E-04	9.11E-08	2.65E-08
4714	473363.09, 3860877.25	2.91E-04	9.17E-08	2.67E-08	2.96E-04	9.36E-08	2.72E-08	2.96E-04	9.35E-08	2.72E-08
4715	473863.09, 3860877.25	2.98E-04	9.39E-08	2.73E-08	3.04E-04	9.58E-08	2.79E-08	3.03E-04	9.57E-08	2.78E-08
4716	474363.09, 3860877.25	3.04E-04	9.60E-08	2.79E-08	3.10E-04	9.79E-08	2.85E-08	3.10E-04	9.78E-08	2.85E-08
4717	474863.09, 3860877.25	3.10E-04	9.78E-08	2.85E-08	3.16E-04	9.98E-08	2.90E-08	3.16E-04	9.97E-08	2.90E-08
4718	475363.09, 3860877.25	3.09E-04	9.76E-08	2.84E-08	3.15E-04	9.95E-08	2.90E-08	3.15E-04	9.94E-08	2.89E-08
4719	475863.09, 3860877.25	3.01E-04	9.49E-08	2.76E-08	3.07E-04	9.68E-08	2.82E-08	3.06E-04	9.67E-08	2.81E-08
4720	476363.09, 3860877.25	2.79E-04	8.82E-08	2.56E-08	2.85E-04	9.00E-08	2.62E-08	2.85E-04	8.99E-08	2.61E-08
4721	476863.09, 3860877.25	2.69E-04	8.49E-08	2.47E-08	2.75E-04	8.66E-08	2.52E-08	2.74E-04	8.65E-08	2.52E-08
4722	477363.09, 3860877.25	2.71E-04	8.54E-08	2.48E-08	2.76E-04	8.71E-08	2.53E-08	2.76E-04	8.70E-08	2.53E-08
4723	477863.09, 3860877.25	2.44E-04	7.70E-08	2.24E-08	2.49E-04	7.86E-08	2.29E-08	2.49E-04	7.85E-08	2.28E-08
4724	478363.09, 3860877.25	1.64E-04	5.17E-08	1.50E-08	1.67E-04	5.28E-08	1.53E-08	1.67E-04	5.27E-08	1.53E-08
4725	478863.09, 3860877.25	2.79E-04	8.80E-08	2.56E-08	2.84E-04	8.98E-08	2.61E-08	2.84E-04	8.97E-08	2.61E-08
4726	479363.09, 3860877.25	3.37E-04	1.06E-07	3.09E-08	3.43E-04	1.08E-07	3.15E-08	3.43E-04	1.08E-07	3.15E-08
4727	479863.09, 3860877.25	3.71E-04	1.17E-07	3.41E-08	3.79E-04	1.20E-07	3.48E-08	3.78E-04	1.19E-07	3.47E-08
4728	480363.09, 3860877.25	3.94E-04	1.24E-07	3.61E-08	4.02E-04	1.27E-07	3.69E-08	4.01E-04	1.27E-07	3.68E-08
4729	480863.09, 3860877.25	4.06E-04	1.28E-07	3.73E-08	4.14E-04	1.31E-07	3.80E-08	4.14E-04	1.31E-07	3.80E-08
4730	481363.09, 3860877.25	4.17E-04	1.32E-07	3.83E-08	4.26E-04	1.34E-07	3.91E-08	4.25E-04	1.34E-07	3.90E-08
4731	481863.09, 3860877.25	4.30E-04	1.36E-07	3.95E-08	4.39E-04	1.39E-07	4.03E-08	4.38E-04	1.38E-07	4.03E-08
4732	482363.09, 3860877.25	4.47E-04	1.41E-07	4.10E-08	4.56E-04	1.44E-07	4.19E-08	4.56E-04	1.44E-07	4.18E-08
4733	482863.09, 3860877.25	4.66E-04	1.47E-07	4.28E-08	4.76E-04	1.50E-07	4.37E-08	4.75E-04	1.50E-07	4.36E-08
4734	483363.09, 3860877.25	4.93E-04	1.55E-07	4.52E-08	5.03E-04	1.59E-07	4.62E-08	5.02E-04	1.58E-07	4.61E-08
4735	483863.09, 3860877.25	5.28E-04	1.67E-07	4.85E-08	5.39E-04	1.70E-07	4.95E-08	5.38E-04	1.70E-07	4.94E-08
4736	484363.09, 3860877.25	5.71E-04	1.80E-07	5.25E-08	5.83E-04	1.84E-07	5.35E-08	5.82E-04	1.84E-07	5.35E-08
4737	484863.09, 3860877.25	6.13E-04	1.94E-07	5.63E-08	6.26E-04	1.97E-07	5.74E-08	6.25E-04	1.97E-07	5.74E-08
4738	485363.09, 3860877.25	6.72E-04	2.12E-07	6.17E-08	6.86E-04	2.16E-07	6.29E-08	6.85E-04	2.16E-07	6.29E-08
4739	485863.09, 3860877.25	7.43E-04	2.34E-07	6.82E-08	7.58E-04	2.39E-07	6.96E-08	7.57E-04	2.39E-07	6.95E-08
4740	486363.09, 3860877.25	8.17E-04	2.58E-07	7.50E-08	8.33E-04	2.63E-07	7.65E-08	8.33E-04	2.63E-07	7.64E-08
4741	486863.09, 3860877.25	9.20E-04	2.90E-07	8.44E-08	9.38E-04	2.96E-07	8.62E-08	9.37E-04	2.96E-07	8.60E-08
4742	487363.09, 3860877.25	1.06E-03	3.34E-07	9.71E-08	1.08E-03	3.41E-07	9.91E-08	1.08E-03	3.40E-07	9.90E-08
4743	487863.09, 3860877.25	1.24E-03	3.90E-07	1.14E-07	1.26E-03	3.98E-07	1.16E-07	1.26E-03	3.98E-07	1.16E-07
4744	488363.09, 3860877.25	1.51E-03	4.76E-07	1.39E-07	1.54E-03	4.86E-07	1.41E-07	1.54E-03	4.86E-07	1.41E-07
4745	488863.09, 3860877.25	1.75E-03	5.53E-07	1.61E-07	1.79E-03	5.64E-07	1.64E-07	1.79E-03	5.64E-07	1.64E-07
4746	489363.09, 3860877.25	2.11E-03	6.66E-07	1.94E-07	2.15E-03	6.80E-07	1.98E-07	2.15E-03	6.79E-07	1.97E-07
4747	489863.09, 3860877.25	2.40E-03	7.58E-07	2.21E-07	2.45E-03	7.74E-07	2.25E-07	2.45E-03	7.73E-07	2.25E-07
4748	490363.09, 3860877.25	2.90E-03	9.16E-07	2.67E-07	2.96E-03	9.35E-07	2.72E-07	2.96E-03	9.34E-07	2.72E-07
4749	490863.09, 3860877.25	3.56E-03	1.12E-06	3.27E-07	3.63E-03	1.15E-06	3.33E-07	3.63E-03	1.15E-06	3.33E-07
4750	491363.09, 3860877.25	4.28E-03	1.35E-06	3.93E-07	4.36E-03	1.38E-06	4.01E-07	4.36E-03	1.38E-06	4.00E-07
4751	491863.09, 3860877.25	4.65E-03	1.47E-06	4.27E-07	4.74E-03	1.50E-06	4.35E-07	4.74E-03	1.49E-06	4.35E-07
4752	492363.09, 3860877.25	4.50E-03	1.42E-06	4.13E-07	4.59E-03	1.45E-06	4.22E-07	4.59E-03	1.45E-06	4.21E-07
4753	492863.09, 3860877.25	4.37E-03	1.38E-06	4.01E-07	4.46E-03	1.41E-06	4.09E-07	4.45E-03	1.40E-06	4.09E-07
4754	493363.09, 3860877.25	3.88E-03	1.22E-06	3.56E-07	3.96E-03	1.25E-06	3.64E-07	3.96E-03	1.25E-06	3.63E-07

4755	493863.09, 3860877.25	3.29E-03	1.04E-06	3.02E-07	3.36E-03	1.06E-06	3.08E-07	3.35E-03	1.06E-06	3.08E-07
4756	494363.09, 3860877.25	2.84E-03	8.96E-07	2.61E-07	2.90E-03	9.14E-07	2.66E-07	2.89E-03	9.13E-07	2.66E-07
4757	494863.09, 3860877.25	2.49E-03	7.86E-07	2.29E-07	2.54E-03	8.02E-07	2.33E-07	2.54E-03	8.01E-07	2.33E-07
4758	495363.09, 3860877.25	2.22E-03	6.99E-07	2.03E-07	2.26E-03	7.14E-07	2.08E-07	2.26E-03	7.13E-07	2.07E-07
4759	495863.09, 3860877.25	1.98E-03	6.24E-07	1.82E-07	2.02E-03	6.37E-07	1.85E-07	2.02E-03	6.36E-07	1.85E-07
4760	496363.09, 3860877.25	1.79E-03	5.66E-07	1.65E-07	1.83E-03	5.78E-07	1.68E-07	1.83E-03	5.77E-07	1.68E-07
4761	496863.09, 3860877.25	1.52E-03	4.79E-07	1.39E-07	1.55E-03	4.89E-07	1.42E-07	1.55E-03	4.89E-07	1.42E-07
4762	497363.09, 3860877.25	1.40E-03	4.43E-07	1.29E-07	1.43E-03	4.52E-07	1.31E-07	1.43E-03	4.51E-07	1.31E-07
4763	497863.09, 3860877.25	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.29E-03	4.08E-07	1.19E-07
4764	498363.09, 3860877.25	1.25E-03	3.93E-07	1.14E-07	1.27E-03	4.01E-07	1.17E-07	1.27E-03	4.01E-07	1.17E-07
4765	471363.09, 3861377.25	2.52E-04	7.96E-08	2.32E-08	2.57E-04	8.12E-08	2.36E-08	2.57E-04	8.11E-08	2.36E-08
4766	471863.09, 3861377.25	2.59E-04	8.18E-08	2.38E-08	2.65E-04	8.35E-08	2.43E-08	2.64E-04	8.34E-08	2.43E-08
4767	472363.09, 3861377.25	2.66E-04	8.40E-08	2.44E-08	2.72E-04	8.57E-08	2.49E-08	2.71E-04	8.56E-08	2.49E-08
4768	472863.09, 3861377.25	2.73E-04	8.63E-08	2.51E-08	2.79E-04	8.81E-08	2.56E-08	2.79E-04	8.80E-08	2.56E-08
4769	473363.09, 3861377.25	2.80E-04	8.84E-08	2.57E-08	2.86E-04	9.02E-08	2.63E-08	2.86E-04	9.01E-08	2.62E-08
4770	473863.09, 3861377.25	2.87E-04	9.05E-08	2.63E-08	2.93E-04	9.23E-08	2.69E-08	2.92E-04	9.22E-08	2.68E-08
4771	474363.09, 3861377.25	2.94E-04	9.28E-08	2.70E-08	3.00E-04	9.47E-08	2.75E-08	3.00E-04	9.46E-08	2.75E-08
4772	474863.09, 3861377.25	2.99E-04	9.45E-08	2.75E-08	3.05E-04	9.64E-08	2.80E-08	3.05E-04	9.63E-08	2.80E-08
4773	475363.09, 3861377.25	3.07E-04	9.68E-08	2.82E-08	3.13E-04	9.88E-08	2.87E-08	3.13E-04	9.87E-08	2.87E-08
4774	475863.09, 3861377.25	3.09E-04	9.76E-08	2.84E-08	3.15E-04	9.95E-08	2.90E-08	3.15E-04	9.94E-08	2.89E-08
4775	476363.09, 3861377.25	3.07E-04	9.68E-08	2.82E-08	3.13E-04	9.88E-08	2.87E-08	3.13E-04	9.87E-08	2.87E-08
4776	476863.09, 3861377.25	3.04E-04	9.59E-08	2.79E-08	3.10E-04	9.78E-08	2.85E-08	3.10E-04	9.77E-08	2.84E-08
4777	477363.09, 3861377.25	3.03E-04	9.55E-08	2.78E-08	3.09E-04	9.75E-08	2.83E-08	3.08E-04	9.73E-08	2.83E-08
4778	477863.09, 3861377.25	2.69E-04	8.50E-08	2.47E-08	2.75E-04	8.67E-08	2.52E-08	2.74E-04	8.66E-08	2.52E-08
4779	478363.09, 3861377.25	1.88E-04	5.93E-08	1.73E-08	1.92E-04	6.05E-08	1.76E-08	1.92E-04	6.05E-08	1.76E-08
4780	478863.09, 3861377.25	2.16E-04	6.82E-08	1.98E-08	2.20E-04	6.96E-08	2.02E-08	2.20E-04	6.95E-08	2.02E-08
4781	479363.09, 3861377.25	3.11E-04	9.82E-08	2.86E-08	3.18E-04	1.00E-07	2.91E-08	3.17E-04	1.00E-07	2.91E-08
4782	479863.09, 3861377.25	3.51E-04	1.11E-07	3.22E-08	3.58E-04	1.13E-07	3.29E-08	3.58E-04	1.13E-07	3.28E-08
4783	480363.09, 3861377.25	3.76E-04	1.19E-07	3.45E-08	3.84E-04	1.21E-07	3.52E-08	3.83E-04	1.21E-07	3.52E-08
4784	480863.09, 3861377.25	3.87E-04	1.22E-07	3.56E-08	3.95E-04	1.25E-07	3.63E-08	3.95E-04	1.25E-07	3.63E-08
4785	481363.09, 3861377.25	3.99E-04	1.26E-07	3.67E-08	4.07E-04	1.29E-07	3.74E-08	4.07E-04	1.28E-07	3.74E-08
4786	481863.09, 3861377.25	4.14E-04	1.31E-07	3.80E-08	4.22E-04	1.33E-07	3.88E-08	4.22E-04	1.33E-07	3.87E-08
4787	482363.09, 3861377.25	4.31E-04	1.36E-07	3.95E-08	4.39E-04	1.39E-07	4.03E-08	4.39E-04	1.38E-07	4.03E-08
4788	482863.09, 3861377.25	4.49E-04	1.42E-07	4.12E-08	4.58E-04	1.45E-07	4.21E-08	4.58E-04	1.44E-07	4.20E-08
4789	483363.09, 3861377.25	4.74E-04	1.50E-07	4.35E-08	4.84E-04	1.53E-07	4.44E-08	4.83E-04	1.53E-07	4.44E-08
4790	483863.09, 3861377.25	5.10E-04	1.61E-07	4.68E-08	5.20E-04	1.64E-07	4.78E-08	5.20E-04	1.64E-07	4.77E-08
4791	484363.09, 3861377.25	5.49E-04	1.73E-07	5.04E-08	5.60E-04	1.77E-07	5.15E-08	5.60E-04	1.77E-07	5.14E-08
4792	484863.09, 3861377.25	5.87E-04	1.85E-07	5.39E-08	5.99E-04	1.89E-07	5.50E-08	5.99E-04	1.89E-07	5.49E-08
4793	485363.09, 3861377.25	6.22E-04	1.96E-07	5.71E-08	6.35E-04	2.00E-07	5.83E-08	6.34E-04	2.00E-07	5.82E-08
4794	485863.09, 3861377.25	6.75E-04	2.13E-07	6.19E-08	6.89E-04	2.17E-07	6.32E-08	6.88E-04	2.17E-07	6.31E-08
4795	486363.09, 3861377.25	7.36E-04	2.32E-07	6.75E-08	7.51E-04	2.37E-07	6.89E-08	7.50E-04	2.37E-07	6.88E-08
4796	486863.09, 3861377.25	8.17E-04	2.58E-07	7.50E-08	8.33E-04	2.63E-07	7.65E-08	8.33E-04	2.63E-07	7.64E-08
4797	487363.09, 3861377.25	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
4798	487863.09, 3861377.25	1.04E-03	3.28E-07	9.53E-08	1.06E-03	3.34E-07	9.72E-08	1.06E-03	3.34E-07	9.71E-08
4799	488363.09, 3861377.25	1.16E-03	3.67E-07	1.07E-07	1.19E-03	3.75E-07	1.09E-07	1.19E-03	3.74E-07	1.09E-07
4800	488863.09, 3861377.25	1.33E-03	4.19E-07	1.22E-07	1.35E-03	4.27E-07	1.24E-07	1.35E-03	4.27E-07	1.24E-07
4801	489363.09, 3861377.25	1.47E-03	4.64E-07	1.35E-07	1.50E-03	4.73E-07	1.38E-07	1.50E-03	4.72E-07	1.37E-07
4802	489863.09, 3861377.25	1.64E-03	5.17E-07	1.50E-07	1.67E-03	5.27E-07	1.53E-07	1.67E-03	5.27E-07	1.53E-07
4803	490363.09, 3861377.25	1.77E-03	5.59E-07	1.63E-07	1.81E-03	5.70E-07	1.66E-07	1.80E-03	5.70E-07	1.66E-07
4804	490863.09, 3861377.25	1.94E-03	6.13E-07	1.78E-07	1.98E-03	6.25E-07	1.82E-07	1.98E-03	6.24E-07	1.82E-07
4805	491363.09, 3861377.25	2.04E-03	6.44E-07	1.87E-07	2.08E-03	6.57E-07	1.91E-07	2.08E-03	6.56E-07	1.91E-07
4806	491863.09, 3861377.25	2.01E-03	6.34E-07	1.84E-07	2.05E-03	6.47E-07	1.88E-07	2.05E-03	6.46E-07	1.88E-07
4807	492363.09, 3861377.25	2.03E-03	6.41E-07	1.86E-07	2.07E-03	6.54E-07	1.90E-07	2.07E-03	6.53E-07	1.90E-07
4808	492863.09, 3861377.25	1.96E-03	6.18E-07	1.80E-07	2.00E-03	6.31E-07	1.84E-07	2.00E-03	6.30E-07	1.83E-07
4809	493363.09, 3861377.25	2.02E-03	6.38E-07	1.86E-07	2.06E-03	6.51E-07	1.89E-07	2.06E-03	6.50E-07	1.89E-07
4810	493863.09, 3861377.25	1.97E-03	6.23E-07	1.81E-07	2.01E-03	6.36E-07	1.85E-07	2.01E-03	6.35E-07	1.85E-07
4811	494363.09, 3861377.25	1.84E-03	5.81E-07	1.69E-07	1.88E-03	5.93E-07	1.72E-07	1.88E-03	5.92E-07	1.72E-07
4812	494863.09, 3861377.25	1.72E-03	5.43E-07	1.58E-07	1.75E-03	5.54E-07	1.61E-07	1.75E-03	5.53E-07	1.61E-07
4813	495363.09, 3861377.25	1.60E-03	5.06E-07	1.47E-07	1.64E-03	5.16E-07	1.50E-07	1.63E-03	5.16E-07	1.50E-07
4814	495863.09, 3861377.25	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.79E-07	1.39E-07	1.52E-03	4.79E-07	1.39E-07
4815	496363.09, 3861377.25	1.41E-03	4.46E-07	1.30E-07	1.44E-03	4.56E-07	1.33E-07	1.44E-03	4.55E-07	1.32E-07

4816	496863.09, 3861377.25	1.35E-03	4.26E-07	1.24E-07	1.38E-03	4.35E-07	1.26E-07	1.38E-03	4.34E-07	1.26E-07
4817	497363.09, 3861377.25	1.27E-03	4.00E-07	1.16E-07	1.29E-03	4.09E-07	1.19E-07	1.29E-03	4.08E-07	1.19E-07
4818	497863.09, 3861377.25	1.19E-03	3.77E-07	1.10E-07	1.22E-03	3.85E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
4819	498363.09, 3861377.25	1.13E-03	3.57E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
4820	471363.09, 3861877.25	2.43E-04	7.68E-08	2.23E-08	2.48E-04	7.84E-08	2.28E-08	2.48E-04	7.83E-08	2.28E-08
4821	471863.09, 3861877.25	2.49E-04	7.87E-08	2.29E-08	2.54E-04	8.03E-08	2.34E-08	2.54E-04	8.02E-08	2.33E-08
4822	472363.09, 3861877.25	2.55E-04	8.06E-08	2.35E-08	2.61E-04	8.23E-08	2.39E-08	2.60E-04	8.22E-08	2.39E-08
4823	472863.09, 3861877.25	2.62E-04	8.28E-08	2.41E-08	2.68E-04	8.45E-08	2.46E-08	2.67E-04	8.44E-08	2.45E-08
4824	473363.09, 3861877.25	2.69E-04	8.48E-08	2.47E-08	2.74E-04	8.65E-08	2.52E-08	2.74E-04	8.64E-08	2.51E-08
4825	473863.09, 3861877.25	2.75E-04	8.68E-08	2.52E-08	2.81E-04	8.85E-08	2.58E-08	2.80E-04	8.84E-08	2.57E-08
4826	474363.09, 3861877.25	2.81E-04	8.88E-08	2.58E-08	2.87E-04	9.06E-08	2.64E-08	2.87E-04	9.05E-08	2.63E-08
4827	474863.09, 3861877.25	2.87E-04	9.06E-08	2.63E-08	2.93E-04	9.24E-08	2.69E-08	2.93E-04	9.23E-08	2.69E-08
4828	475363.09, 3861877.25	2.92E-04	9.23E-08	2.68E-08	2.98E-04	9.41E-08	2.74E-08	2.98E-04	9.40E-08	2.74E-08
4829	475863.09, 3861877.25	2.97E-04	9.38E-08	2.73E-08	3.03E-04	9.58E-08	2.79E-08	3.03E-04	9.56E-08	2.78E-08
4830	476363.09, 3861877.25	3.01E-04	9.51E-08	2.77E-08	3.08E-04	9.71E-08	2.82E-08	3.07E-04	9.70E-08	2.82E-08
4831	476863.09, 3861877.25	3.03E-04	9.56E-08	2.78E-08	3.09E-04	9.76E-08	2.84E-08	3.09E-04	9.74E-08	2.83E-08
4832	477363.09, 3861877.25	3.02E-04	9.52E-08	2.77E-08	3.08E-04	9.72E-08	2.83E-08	3.08E-04	9.71E-08	2.82E-08
4833	477863.09, 3861877.25	2.61E-04	8.23E-08	2.39E-08	2.66E-04	8.40E-08	2.44E-08	2.66E-04	8.39E-08	2.44E-08
4834	478363.09, 3861877.25	1.59E-04	5.02E-08	1.46E-08	1.62E-04	5.12E-08	1.49E-08	1.62E-04	5.12E-08	1.49E-08
4835	478863.09, 3861877.25	2.27E-04	7.15E-08	2.08E-08	2.31E-04	7.30E-08	2.12E-08	2.31E-04	7.29E-08	2.12E-08
4836	479363.09, 3861877.25	2.10E-04	6.63E-08	1.93E-08	2.14E-04	6.77E-08	1.97E-08	2.14E-04	6.76E-08	1.97E-08
4837	479863.09, 3861877.25	3.32E-04	1.05E-07	3.05E-08	3.39E-04	1.07E-07	3.11E-08	3.39E-04	1.07E-07	3.11E-08
4838	480363.09, 3861877.25	3.59E-04	1.13E-07	3.30E-08	3.67E-04	1.16E-07	3.37E-08	3.66E-04	1.16E-07	3.36E-08
4839	480863.09, 3861877.25	3.70E-04	1.17E-07	3.39E-08	3.77E-04	1.19E-07	3.46E-08	3.77E-04	1.19E-07	3.46E-08
4840	481363.09, 3861877.25	3.81E-04	1.20E-07	3.50E-08	3.88E-04	1.23E-07	3.57E-08	3.88E-04	1.22E-07	3.56E-08
4841	481863.09, 3861877.25	3.94E-04	1.24E-07	3.62E-08	4.02E-04	1.27E-07	3.69E-08	4.02E-04	1.27E-07	3.69E-08
4842	482363.09, 3861877.25	4.10E-04	1.30E-07	3.77E-08	4.19E-04	1.32E-07	3.85E-08	4.18E-04	1.32E-07	3.84E-08
4843	482863.09, 3861877.25	4.31E-04	1.36E-07	3.95E-08	4.40E-04	1.39E-07	4.04E-08	4.39E-04	1.39E-07	4.03E-08
4844	483363.09, 3861877.25	4.56E-04	1.44E-07	4.18E-08	4.65E-04	1.47E-07	4.27E-08	4.64E-04	1.47E-07	4.26E-08
4845	483863.09, 3861877.25	4.84E-04	1.53E-07	4.44E-08	4.93E-04	1.56E-07	4.53E-08	4.93E-04	1.56E-07	4.52E-08
4846	484363.09, 3861877.25	5.12E-04	1.62E-07	4.70E-08	5.22E-04	1.65E-07	4.79E-08	5.22E-04	1.65E-07	4.79E-08
4847	484863.09, 3861877.25	5.44E-04	1.72E-07	4.99E-08	5.55E-04	1.75E-07	5.09E-08	5.54E-04	1.75E-07	5.09E-08
4848	485363.09, 3861877.25	5.78E-04	1.82E-07	5.30E-08	5.90E-04	1.86E-07	5.41E-08	5.89E-04	1.86E-07	5.41E-08
4849	485863.09, 3861877.25	6.12E-04	1.93E-07	5.62E-08	6.24E-04	1.97E-07	5.73E-08	6.23E-04	1.97E-07	5.72E-08
4850	486363.09, 3861877.25	6.61E-04	2.09E-07	6.07E-08	6.75E-04	2.13E-07	6.19E-08	6.74E-04	2.13E-07	6.19E-08
4851	486863.09, 3861877.25	7.23E-04	2.28E-07	6.64E-08	7.38E-04	2.33E-07	6.78E-08	7.37E-04	2.33E-07	6.77E-08
4852	487363.09, 3861877.25	7.98E-04	2.52E-07	7.33E-08	8.15E-04	2.57E-07	7.48E-08	8.14E-04	2.57E-07	7.47E-08
4853	487863.09, 3861877.25	8.74E-04	2.76E-07	8.02E-08	8.92E-04	2.81E-07	8.19E-08	8.91E-04	2.81E-07	8.18E-08
4854	488363.09, 3861877.25	9.54E-04	3.01E-07	8.75E-08	9.73E-04	3.07E-07	8.93E-08	9.72E-04	3.07E-07	8.92E-08
4855	488863.09, 3861877.25	1.03E-03	3.26E-07	9.48E-08	1.05E-03	3.33E-07	9.68E-08	1.05E-03	3.32E-07	9.67E-08
4856	489363.09, 3861877.25	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
4857	489863.09, 3861877.25	1.17E-03	3.68E-07	1.07E-07	1.19E-03	3.76E-07	1.09E-07	1.19E-03	3.75E-07	1.09E-07
4858	490363.09, 3861877.25	1.22E-03	3.85E-07	1.12E-07	1.25E-03	3.93E-07	1.14E-07	1.24E-03	3.93E-07	1.14E-07
4859	490863.09, 3861877.25	1.27E-03	4.00E-07	1.16E-07	1.29E-03	4.08E-07	1.19E-07	1.29E-03	4.07E-07	1.18E-07
4860	491363.09, 3861877.25	1.28E-03	4.03E-07	1.17E-07	1.30E-03	4.11E-07	1.20E-07	1.30E-03	4.11E-07	1.19E-07
4861	491863.09, 3861877.25	1.28E-03	4.03E-07	1.17E-07	1.30E-03	4.11E-07	1.20E-07	1.30E-03	4.11E-07	1.20E-07
4862	492363.09, 3861877.25	1.26E-03	3.99E-07	1.16E-07	1.29E-03	4.07E-07	1.19E-07	1.29E-03	4.07E-07	1.18E-07
4863	492863.09, 3861877.25	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
4864	493363.09, 3861877.25	1.23E-03	3.88E-07	1.13E-07	1.26E-03	3.96E-07	1.15E-07	1.25E-03	3.96E-07	1.15E-07
4865	493863.09, 3861877.25	1.21E-03	3.82E-07	1.11E-07	1.23E-03	3.90E-07	1.13E-07	1.23E-03	3.89E-07	1.13E-07
4866	494363.09, 3861877.25	1.25E-03	3.96E-07	1.15E-07	1.28E-03	4.04E-07	1.17E-07	1.28E-03	4.03E-07	1.17E-07
4867	494863.09, 3861877.25	1.24E-03	3.91E-07	1.14E-07	1.27E-03	3.99E-07	1.16E-07	1.26E-03	3.99E-07	1.16E-07
4868	495363.09, 3861877.25	1.18E-03	3.73E-07	1.08E-07	1.21E-03	3.80E-07	1.11E-07	1.20E-03	3.80E-07	1.11E-07
4869	495863.09, 3861877.25	1.12E-03	3.55E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.14E-03	3.61E-07	1.05E-07
4870	496363.09, 3861877.25	1.08E-03	3.40E-07	9.89E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
4871	496863.09, 3861877.25	1.08E-03	3.40E-07	9.88E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.46E-07	1.01E-07
4872	497363.09, 3861877.25	1.01E-03	3.20E-07	9.30E-08	1.03E-03	3.26E-07	9.49E-08	1.03E-03	3.26E-07	9.48E-08
4873	497863.09, 3861877.25	9.63E-04	3.04E-07	8.84E-08	9.83E-04	3.10E-07	9.02E-08	9.81E-04	3.10E-07	9.01E-08
4874	498363.09, 3861877.25	9.24E-04	2.92E-07	8.48E-08	9.43E-04	2.98E-07	8.66E-08	9.42E-04	2.97E-07	8.65E-08
4875	471363.09, 3862377.25	2.33E-04	7.35E-08	2.14E-08	2.38E-04	7.50E-08	2.18E-08	2.37E-04	7.49E-08	2.18E-08
4876	471863.09, 3862377.25	2.38E-04	7.51E-08	2.19E-08	2.43E-04	7.67E-08	2.23E-08	2.43E-04	7.66E-08	2.23E-08

4877	472363.09, 3862377.25	2.44E-04	7.70E-08	2.24E-08	2.49E-04	7.86E-08	2.29E-08	2.49E-04	7.85E-08	2.28E-08
4878	472863.09, 3862377.25	2.50E-04	7.89E-08	2.29E-08	2.55E-04	8.05E-08	2.34E-08	2.55E-04	8.04E-08	2.34E-08
4879	473363.09, 3862377.25	2.56E-04	8.08E-08	2.35E-08	2.61E-04	8.25E-08	2.40E-08	2.61E-04	8.24E-08	2.40E-08
4880	473863.09, 3862377.25	2.62E-04	8.28E-08	2.41E-08	2.68E-04	8.45E-08	2.46E-08	2.67E-04	8.44E-08	2.45E-08
4881	474363.09, 3862377.25	2.68E-04	8.46E-08	2.46E-08	2.74E-04	8.64E-08	2.51E-08	2.73E-04	8.63E-08	2.51E-08
4882	474863.09, 3862377.25	2.72E-04	8.58E-08	2.50E-08	2.78E-04	8.76E-08	2.55E-08	2.77E-04	8.75E-08	2.54E-08
4883	475363.09, 3862377.25	2.77E-04	8.73E-08	2.54E-08	2.82E-04	8.91E-08	2.59E-08	2.82E-04	8.90E-08	2.59E-08
4884	475863.09, 3862377.25	2.81E-04	8.87E-08	2.58E-08	2.87E-04	9.05E-08	2.63E-08	2.87E-04	9.04E-08	2.63E-08
4885	476363.09, 3862377.25	2.86E-04	9.02E-08	2.62E-08	2.92E-04	9.21E-08	2.68E-08	2.91E-04	9.19E-08	2.67E-08
4886	476863.09, 3862377.25	2.91E-04	9.19E-08	2.67E-08	2.97E-04	9.38E-08	2.73E-08	2.97E-04	9.37E-08	2.72E-08
4887	477363.09, 3862377.25	2.93E-04	9.23E-08	2.69E-08	2.99E-04	9.42E-08	2.74E-08	2.98E-04	9.41E-08	2.74E-08
4888	477863.09, 3862377.25	2.67E-04	8.42E-08	2.45E-08	2.72E-04	8.59E-08	2.50E-08	2.72E-04	8.58E-08	2.50E-08
4889	478363.09, 3862377.25	2.31E-04	7.30E-08	2.12E-08	2.36E-04	7.45E-08	2.17E-08	2.36E-04	7.44E-08	2.16E-08
4890	478863.09, 3862377.25	2.37E-04	7.50E-08	2.18E-08	2.42E-04	7.65E-08	2.22E-08	2.42E-04	7.64E-08	2.22E-08
4891	479363.09, 3862377.25	2.63E-04	8.30E-08	2.41E-08	2.68E-04	8.47E-08	2.46E-08	2.68E-04	8.46E-08	2.46E-08
4892	479863.09, 3862377.25	3.25E-04	1.03E-07	2.98E-08	3.32E-04	1.05E-07	3.04E-08	3.31E-04	1.05E-07	3.04E-08
4893	480363.09, 3862377.25	3.44E-04	1.09E-07	3.16E-08	3.51E-04	1.11E-07	3.22E-08	3.50E-04	1.11E-07	3.22E-08
4894	480863.09, 3862377.25	3.53E-04	1.11E-07	3.24E-08	3.60E-04	1.14E-07	3.31E-08	3.60E-04	1.14E-07	3.30E-08
4895	481363.09, 3862377.25	3.65E-04	1.15E-07	3.35E-08	3.73E-04	1.18E-07	3.42E-08	3.72E-04	1.17E-07	3.42E-08
4896	481863.09, 3862377.25	3.80E-04	1.20E-07	3.49E-08	3.88E-04	1.22E-07	3.56E-08	3.87E-04	1.22E-07	3.55E-08
4897	482363.09, 3862377.25	3.96E-04	1.25E-07	3.64E-08	4.04E-04	1.28E-07	3.71E-08	4.04E-04	1.27E-07	3.71E-08
4898	482863.09, 3862377.25	4.13E-04	1.30E-07	3.79E-08	4.21E-04	1.33E-07	3.86E-08	4.20E-04	1.33E-07	3.86E-08
4899	483363.09, 3862377.25	4.30E-04	1.36E-07	3.95E-08	4.39E-04	1.39E-07	4.03E-08	4.38E-04	1.38E-07	4.03E-08
4900	483863.09, 3862377.25	4.51E-04	1.42E-07	4.14E-08	4.60E-04	1.45E-07	4.22E-08	4.59E-04	1.45E-07	4.22E-08
4901	484363.09, 3862377.25	4.76E-04	1.50E-07	4.37E-08	4.86E-04	1.53E-07	4.46E-08	4.85E-04	1.53E-07	4.45E-08
4902	484863.09, 3862377.25	5.01E-04	1.58E-07	4.60E-08	5.11E-04	1.61E-07	4.69E-08	5.11E-04	1.61E-07	4.69E-08
4903	485363.09, 3862377.25	5.25E-04	1.66E-07	4.82E-08	5.36E-04	1.69E-07	4.92E-08	5.35E-04	1.69E-07	4.91E-08
4904	485863.09, 3862377.25	5.56E-04	1.75E-07	5.10E-08	5.67E-04	1.79E-07	5.21E-08	5.67E-04	1.79E-07	5.20E-08
4905	486363.09, 3862377.25	5.91E-04	1.86E-07	5.42E-08	6.03E-04	1.90E-07	5.53E-08	6.02E-04	1.90E-07	5.53E-08
4906	486863.09, 3862377.25	6.35E-04	2.01E-07	5.83E-08	6.48E-04	2.05E-07	5.95E-08	6.48E-04	2.04E-07	5.94E-08
4907	487363.09, 3862377.25	6.86E-04	2.17E-07	6.30E-08	7.00E-04	2.21E-07	6.43E-08	6.99E-04	2.21E-07	6.42E-08
4908	487863.09, 3862377.25	7.36E-04	2.32E-07	6.76E-08	7.51E-04	2.37E-07	6.90E-08	7.50E-04	2.37E-07	6.89E-08
4909	488363.09, 3862377.25	7.83E-04	2.47E-07	7.19E-08	7.99E-04	2.52E-07	7.33E-08	7.98E-04	2.52E-07	7.33E-08
4910	488863.09, 3862377.25	8.31E-04	2.62E-07	7.63E-08	8.48E-04	2.68E-07	7.79E-08	8.47E-04	2.67E-07	7.78E-08
4911	489363.09, 3862377.25	8.77E-04	2.77E-07	8.05E-08	8.95E-04	2.82E-07	8.21E-08	8.94E-04	2.82E-07	8.21E-08
4912	489863.09, 3862377.25	9.21E-04	2.91E-07	8.45E-08	9.40E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08
4913	490363.09, 3862377.25	9.54E-04	3.01E-07	8.76E-08	9.74E-04	3.07E-07	8.94E-08	9.72E-04	3.07E-07	8.93E-08
4914	490863.09, 3862377.25	9.53E-04	3.01E-07	8.75E-08	9.72E-04	3.07E-07	8.93E-08	9.71E-04	3.07E-07	8.92E-08
4915	491363.09, 3862377.25	9.43E-04	2.98E-07	8.66E-08	9.62E-04	3.04E-07	8.83E-08	9.61E-04	3.03E-07	8.82E-08
4916	491863.09, 3862377.25	9.23E-04	2.91E-07	8.48E-08	9.42E-04	2.97E-07	8.65E-08	9.41E-04	2.97E-07	8.64E-08
4917	492363.09, 3862377.25	9.32E-04	2.94E-07	8.56E-08	9.51E-04	3.00E-07	8.73E-08	9.50E-04	3.00E-07	8.72E-08
4918	492863.09, 3862377.25	9.46E-04	2.99E-07	8.68E-08	9.65E-04	3.05E-07	8.86E-08	9.64E-04	3.04E-07	8.85E-08
4919	493363.09, 3862377.25	9.39E-04	2.96E-07	8.62E-08	9.58E-04	3.02E-07	8.79E-08	9.57E-04	3.02E-07	8.78E-08
4920	493863.09, 3862377.25	9.07E-04	2.86E-07	8.32E-08	9.25E-04	2.92E-07	8.49E-08	9.24E-04	2.92E-07	8.48E-08
4921	494363.09, 3862377.25	8.71E-04	2.75E-07	7.99E-08	8.89E-04	2.80E-07	8.16E-08	8.87E-04	2.80E-07	8.15E-08
4922	494863.09, 3862377.25	8.90E-04	2.81E-07	8.17E-08	9.08E-04	2.87E-07	8.34E-08	9.07E-04	2.86E-07	8.33E-08
4923	495363.09, 3862377.25	9.04E-04	2.85E-07	8.30E-08	9.23E-04	2.91E-07	8.47E-08	9.22E-04	2.91E-07	8.46E-08
4924	495863.09, 3862377.25	8.87E-04	2.80E-07	8.14E-08	9.05E-04	2.86E-07	8.31E-08	9.04E-04	2.85E-07	8.30E-08
4925	496363.09, 3862377.25	8.51E-04	2.69E-07	7.82E-08	8.69E-04	2.74E-07	7.97E-08	8.68E-04	2.74E-07	7.97E-08
4926	496863.09, 3862377.25	8.31E-04	2.62E-07	7.63E-08	8.48E-04	2.68E-07	7.78E-08	8.47E-04	2.67E-07	7.78E-08
4927	497363.09, 3862377.25	7.96E-04	2.51E-07	7.31E-08	8.12E-04	2.56E-07	7.46E-08	8.11E-04	2.56E-07	7.45E-08
4928	497863.09, 3862377.25	7.69E-04	2.43E-07	7.06E-08	7.85E-04	2.48E-07	7.20E-08	7.84E-04	2.47E-07	7.20E-08
4929	498363.09, 3862377.25	7.42E-04	2.34E-07	6.81E-08	7.57E-04	2.39E-07	6.95E-08	7.56E-04	2.39E-07	6.94E-08
4930	471363.09, 3862877.25	2.22E-04	7.01E-08	2.04E-08	2.27E-04	7.16E-08	2.08E-08	2.26E-04	7.15E-08	2.08E-08
4931	471863.09, 3862877.25	2.27E-04	7.16E-08	2.08E-08	2.32E-04	7.31E-08	2.13E-08	2.31E-04	7.30E-08	2.12E-08
4932	472363.09, 3862877.25	2.32E-04	7.33E-08	2.13E-08	2.37E-04	7.48E-08	2.18E-08	2.37E-04	7.47E-08	2.17E-08
4933	472863.09, 3862877.25	2.38E-04	7.51E-08	2.18E-08	2.43E-04	7.66E-08	2.23E-08	2.42E-04	7.65E-08	2.22E-08
4934	473363.09, 3862877.25	2.44E-04	7.70E-08	2.24E-08	2.49E-04	7.86E-08	2.29E-08	2.49E-04	7.85E-08	2.28E-08
4935	473863.09, 3862877.25	2.50E-04	7.88E-08	2.29E-08	2.55E-04	8.04E-08	2.34E-08	2.54E-04	8.03E-08	2.34E-08
4936	474363.09, 3862877.25	2.55E-04	8.04E-08	2.34E-08	2.60E-04	8.21E-08	2.39E-08	2.60E-04	8.20E-08	2.38E-08
4937	474863.09, 3862877.25	2.59E-04	8.17E-08	2.38E-08	2.64E-04	8.34E-08	2.43E-08	2.64E-04	8.33E-08	2.42E-08

4938	475363.09, 3862877.25	2.63E-04	8.31E-08	2.42E-08	2.69E-04	8.48E-08	2.47E-08	2.68E-04	8.47E-08	2.46E-08
4939	475863.09, 3862877.25	2.68E-04	8.45E-08	2.46E-08	2.73E-04	8.63E-08	2.51E-08	2.73E-04	8.62E-08	2.51E-08
4940	476363.09, 3862877.25	2.73E-04	8.61E-08	2.50E-08	2.78E-04	8.79E-08	2.56E-08	2.78E-04	8.78E-08	2.55E-08
4941	476863.09, 3862877.25	2.78E-04	8.79E-08	2.56E-08	2.84E-04	8.97E-08	2.61E-08	2.84E-04	8.96E-08	2.61E-08
4942	477363.09, 3862877.25	2.83E-04	8.93E-08	2.60E-08	2.89E-04	9.11E-08	2.65E-08	2.88E-04	9.10E-08	2.65E-08
4943	477863.09, 3862877.25	2.78E-04	8.79E-08	2.56E-08	2.84E-04	8.97E-08	2.61E-08	2.84E-04	8.96E-08	2.61E-08
4944	478363.09, 3862877.25	2.48E-04	7.84E-08	2.28E-08	2.53E-04	8.00E-08	2.33E-08	2.53E-04	7.99E-08	2.32E-08
4945	478863.09, 3862877.25	2.53E-04	8.00E-08	2.33E-08	2.59E-04	8.16E-08	2.37E-08	2.58E-04	8.15E-08	2.37E-08
4946	479363.09, 3862877.25	2.63E-04	8.31E-08	2.42E-08	2.69E-04	8.48E-08	2.47E-08	2.68E-04	8.47E-08	2.46E-08
4947	479863.09, 3862877.25	3.20E-04	1.01E-07	2.94E-08	3.27E-04	1.03E-07	3.00E-08	3.26E-04	1.03E-07	2.99E-08
4948	480363.09, 3862877.25	3.31E-04	1.04E-07	3.04E-08	3.38E-04	1.07E-07	3.10E-08	3.37E-04	1.06E-07	3.10E-08
4949	480863.09, 3862877.25	3.41E-04	1.08E-07	3.13E-08	3.48E-04	1.10E-07	3.20E-08	3.48E-04	1.10E-07	3.19E-08
4950	481363.09, 3862877.25	3.52E-04	1.11E-07	3.24E-08	3.60E-04	1.13E-07	3.30E-08	3.59E-04	1.13E-07	3.30E-08
4951	481863.09, 3862877.25	3.65E-04	1.15E-07	3.35E-08	3.72E-04	1.17E-07	3.42E-08	3.72E-04	1.17E-07	3.41E-08
4952	482363.09, 3862877.25	3.76E-04	1.19E-07	3.45E-08	3.84E-04	1.21E-07	3.52E-08	3.83E-04	1.21E-07	3.52E-08
4953	482863.09, 3862877.25	3.88E-04	1.23E-07	3.57E-08	3.96E-04	1.25E-07	3.64E-08	3.96E-04	1.25E-07	3.63E-08
4954	483363.09, 3862877.25	4.03E-04	1.27E-07	3.70E-08	4.11E-04	1.30E-07	3.78E-08	4.11E-04	1.30E-07	3.77E-08
4955	483863.09, 3862877.25	4.20E-04	1.33E-07	3.86E-08	4.29E-04	1.35E-07	3.94E-08	4.28E-04	1.35E-07	3.93E-08
4956	484363.09, 3862877.25	4.39E-04	1.39E-07	4.03E-08	4.48E-04	1.41E-07	4.12E-08	4.48E-04	1.41E-07	4.11E-08
4957	484863.09, 3862877.25	4.56E-04	1.44E-07	4.18E-08	4.65E-04	1.47E-07	4.27E-08	4.64E-04	1.47E-07	4.26E-08
4958	485363.09, 3862877.25	4.76E-04	1.50E-07	4.37E-08	4.85E-04	1.53E-07	4.46E-08	4.85E-04	1.53E-07	4.45E-08
4959	485863.09, 3862877.25	4.99E-04	1.57E-07	4.58E-08	5.09E-04	1.61E-07	4.67E-08	5.08E-04	1.60E-07	4.67E-08
4960	486363.09, 3862877.25	5.29E-04	1.67E-07	4.86E-08	5.40E-04	1.70E-07	4.95E-08	5.39E-04	1.70E-07	4.95E-08
4961	486863.09, 3862877.25	5.59E-04	1.76E-07	5.13E-08	5.70E-04	1.80E-07	5.23E-08	5.69E-04	1.80E-07	5.23E-08
4962	487363.09, 3862877.25	5.90E-04	1.86E-07	5.41E-08	6.02E-04	1.90E-07	5.52E-08	6.01E-04	1.90E-07	5.52E-08
4963	487863.09, 3862877.25	6.24E-04	1.97E-07	5.72E-08	6.36E-04	2.01E-07	5.84E-08	6.35E-04	2.01E-07	5.83E-08
4964	488363.09, 3862877.25	6.62E-04	2.09E-07	6.08E-08	6.76E-04	2.13E-07	6.20E-08	6.75E-04	2.13E-07	6.20E-08
4965	488863.09, 3862877.25	6.97E-04	2.20E-07	6.40E-08	7.11E-04	2.25E-07	6.53E-08	7.11E-04	2.24E-07	6.52E-08
4966	489363.09, 3862877.25	7.23E-04	2.28E-07	6.64E-08	7.38E-04	2.33E-07	6.78E-08	7.37E-04	2.33E-07	6.77E-08
4967	489863.09, 3862877.25	7.46E-04	2.35E-07	6.85E-08	7.61E-04	2.40E-07	6.99E-08	7.60E-04	2.40E-07	6.98E-08
4968	490363.09, 3862877.25	7.56E-04	2.39E-07	6.94E-08	7.72E-04	2.44E-07	7.08E-08	7.71E-04	2.43E-07	7.07E-08
4969	490863.09, 3862877.25	7.50E-04	2.37E-07	6.89E-08	7.66E-04	2.42E-07	7.03E-08	7.65E-04	2.41E-07	7.02E-08
4970	491363.09, 3862877.25	7.50E-04	2.37E-07	6.88E-08	7.65E-04	2.41E-07	7.02E-08	7.64E-04	2.41E-07	7.01E-08
4971	491863.09, 3862877.25	7.29E-04	2.30E-07	6.69E-08	7.44E-04	2.35E-07	6.83E-08	7.43E-04	2.34E-07	6.82E-08
4972	492363.09, 3862877.25	7.35E-04	2.32E-07	6.74E-08	7.50E-04	2.37E-07	6.88E-08	7.49E-04	2.36E-07	6.87E-08
4973	492863.09, 3862877.25	7.33E-04	2.31E-07	6.72E-08	7.47E-04	2.36E-07	6.86E-08	7.47E-04	2.36E-07	6.85E-08
4974	493363.09, 3862877.25	7.48E-04	2.36E-07	6.87E-08	7.63E-04	2.41E-07	7.01E-08	7.62E-04	2.41E-07	7.00E-08
4975	493863.09, 3862877.25	7.45E-04	2.35E-07	6.84E-08	7.61E-04	2.40E-07	6.98E-08	7.60E-04	2.40E-07	6.98E-08
4976	494363.09, 3862877.25	7.22E-04	2.28E-07	6.63E-08	7.37E-04	2.33E-07	6.76E-08	7.36E-04	2.32E-07	6.75E-08
4977	494863.09, 3862877.25	6.83E-04	2.15E-07	6.27E-08	6.97E-04	2.20E-07	6.40E-08	6.96E-04	2.20E-07	6.39E-08
4978	495363.09, 3862877.25	6.75E-04	2.13E-07	6.20E-08	6.89E-04	2.18E-07	6.33E-08	6.88E-04	2.17E-07	6.32E-08
4979	495863.09, 3862877.25	6.95E-04	2.19E-07	6.38E-08	7.09E-04	2.24E-07	6.51E-08	7.08E-04	2.24E-07	6.50E-08
4980	496363.09, 3862877.25	7.05E-04	2.23E-07	6.47E-08	7.20E-04	2.27E-07	6.61E-08	7.19E-04	2.27E-07	6.60E-08
4981	496863.09, 3862877.25	6.91E-04	2.18E-07	6.35E-08	7.05E-04	2.23E-07	6.48E-08	7.05E-04	2.22E-07	6.47E-08
4982	497363.09, 3862877.25	6.66E-04	2.10E-07	6.11E-08	6.79E-04	2.14E-07	6.24E-08	6.78E-04	2.14E-07	6.23E-08
4983	497863.09, 3862877.25	6.44E-04	2.03E-07	5.91E-08	6.57E-04	2.07E-07	6.03E-08	6.56E-04	2.07E-07	6.02E-08
4984	498363.09, 3862877.25	6.28E-04	1.98E-07	5.77E-08	6.41E-04	2.02E-07	5.89E-08	6.40E-04	2.02E-07	5.88E-08
4985	471363.09, 3863377.25	2.12E-04	6.70E-08	1.95E-08	2.16E-04	6.83E-08	1.99E-08	2.16E-04	6.82E-08	1.99E-08
4986	471863.09, 3863377.25	2.17E-04	6.84E-08	1.99E-08	2.21E-04	6.98E-08	2.03E-08	2.21E-04	6.98E-08	2.03E-08
4987	472363.09, 3863377.25	2.22E-04	7.01E-08	2.04E-08	2.27E-04	7.16E-08	2.08E-08	2.26E-04	7.15E-08	2.08E-08
4988	472863.09, 3863377.25	2.28E-04	7.19E-08	2.09E-08	2.32E-04	7.34E-08	2.13E-08	2.32E-04	7.33E-08	2.13E-08
4989	473363.09, 3863377.25	2.33E-04	7.37E-08	2.14E-08	2.38E-04	7.52E-08	2.19E-08	2.38E-04	7.51E-08	2.18E-08
4990	473863.09, 3863377.25	2.39E-04	7.54E-08	2.19E-08	2.44E-04	7.70E-08	2.24E-08	2.44E-04	7.69E-08	2.24E-08
4991	474363.09, 3863377.25	2.44E-04	7.70E-08	2.24E-08	2.49E-04	7.86E-08	2.29E-08	2.49E-04	7.85E-08	2.28E-08
4992	474863.09, 3863377.25	2.48E-04	7.84E-08	2.28E-08	2.53E-04	8.00E-08	2.33E-08	2.53E-04	7.99E-08	2.32E-08
4993	475363.09, 3863377.25	2.53E-04	7.98E-08	2.32E-08	2.58E-04	8.14E-08	2.37E-08	2.58E-04	8.13E-08	2.37E-08
4994	475863.09, 3863377.25	2.58E-04	8.14E-08	2.37E-08	2.63E-04	8.30E-08	2.42E-08	2.63E-04	8.29E-08	2.41E-08
4995	476363.09, 3863377.25	2.63E-04	8.30E-08	2.42E-08	2.69E-04	8.47E-08	2.47E-08	2.68E-04	8.46E-08	2.46E-08
4996	476863.09, 3863377.25	2.68E-04	8.46E-08	2.46E-08	2.74E-04	8.64E-08	2.51E-08	2.73E-04	8.63E-08	2.51E-08
4997	477363.09, 3863377.25	2.73E-04	8.63E-08	2.51E-08	2.79E-04	8.81E-08	2.56E-08	2.79E-04	8.80E-08	2.56E-08
4998	477863.09, 3863377.25	2.76E-04	8.71E-08	2.53E-08	2.82E-04	8.89E-08	2.59E-08	2.81E-04	8.88E-08	2.58E-08

4999	478363.09, 3863377.25	2.68E-04	8.44E-08	2.46E-08	2.73E-04	8.62E-08	2.51E-08	2.73E-04	8.61E-08	2.50E-08
5000	478863.09, 3863377.25	2.78E-04	8.76E-08	2.55E-08	2.83E-04	8.94E-08	2.60E-08	2.83E-04	8.93E-08	2.60E-08
5001	479363.09, 3863377.25	2.98E-04	9.39E-08	2.73E-08	3.04E-04	9.58E-08	2.79E-08	3.03E-04	9.57E-08	2.78E-08
5002	479863.09, 3863377.25	3.11E-04	9.81E-08	2.85E-08	3.17E-04	1.00E-07	2.91E-08	3.17E-04	1.00E-07	2.91E-08
5003	480363.09, 3863377.25	3.19E-04	1.01E-07	2.93E-08	3.26E-04	1.03E-07	2.99E-08	3.25E-04	1.03E-07	2.99E-08
5004	480863.09, 3863377.25	3.28E-04	1.04E-07	3.01E-08	3.35E-04	1.06E-07	3.07E-08	3.34E-04	1.05E-07	3.07E-08
5005	481363.09, 3863377.25	3.36E-04	1.06E-07	3.08E-08	3.43E-04	1.08E-07	3.15E-08	3.42E-04	1.08E-07	3.14E-08
5006	481863.09, 3863377.25	3.44E-04	1.09E-07	3.16E-08	3.51E-04	1.11E-07	3.22E-08	3.50E-04	1.11E-07	3.22E-08
5007	482363.09, 3863377.25	3.52E-04	1.11E-07	3.24E-08	3.60E-04	1.13E-07	3.30E-08	3.59E-04	1.13E-07	3.30E-08
5008	482863.09, 3863377.25	3.62E-04	1.14E-07	3.32E-08	3.69E-04	1.16E-07	3.39E-08	3.68E-04	1.16E-07	3.38E-08
5009	483363.09, 3863377.25	3.73E-04	1.18E-07	3.42E-08	3.81E-04	1.20E-07	3.49E-08	3.80E-04	1.20E-07	3.49E-08
5010	483863.09, 3863377.25	3.86E-04	1.22E-07	3.54E-08	3.94E-04	1.24E-07	3.62E-08	3.93E-04	1.24E-07	3.61E-08
5011	484363.09, 3863377.25	3.99E-04	1.26E-07	3.66E-08	4.07E-04	1.28E-07	3.74E-08	4.07E-04	1.28E-07	3.73E-08
5012	484863.09, 3863377.25	4.15E-04	1.31E-07	3.81E-08	4.23E-04	1.34E-07	3.88E-08	4.23E-04	1.33E-07	3.88E-08
5013	485363.09, 3863377.25	4.31E-04	1.36E-07	3.95E-08	4.40E-04	1.39E-07	4.04E-08	4.39E-04	1.39E-07	4.03E-08
5014	485863.09, 3863377.25	4.49E-04	1.42E-07	4.12E-08	4.58E-04	1.45E-07	4.21E-08	4.58E-04	1.44E-07	4.20E-08
5015	486363.09, 3863377.25	4.70E-04	1.48E-07	4.31E-08	4.79E-04	1.51E-07	4.40E-08	4.79E-04	1.51E-07	4.39E-08
5016	486863.09, 3863377.25	4.92E-04	1.55E-07	4.52E-08	5.02E-04	1.59E-07	4.61E-08	5.02E-04	1.58E-07	4.61E-08
5017	487363.09, 3863377.25	5.16E-04	1.63E-07	4.74E-08	5.27E-04	1.66E-07	4.84E-08	5.26E-04	1.66E-07	4.83E-08
5018	487863.09, 3863377.25	5.45E-04	1.72E-07	5.00E-08	5.56E-04	1.75E-07	5.10E-08	5.55E-04	1.75E-07	5.10E-08
5019	488363.09, 3863377.25	5.72E-04	1.81E-07	5.25E-08	5.84E-04	1.84E-07	5.36E-08	5.83E-04	1.84E-07	5.35E-08
5020	488863.09, 3863377.25	5.96E-04	1.88E-07	5.48E-08	6.09E-04	1.92E-07	5.59E-08	6.08E-04	1.92E-07	5.58E-08
5021	489363.09, 3863377.25	6.11E-04	1.93E-07	5.61E-08	6.23E-04	1.97E-07	5.72E-08	6.22E-04	1.96E-07	5.71E-08
5022	489863.09, 3863377.25	6.17E-04	1.95E-07	5.66E-08	6.30E-04	1.99E-07	5.78E-08	6.29E-04	1.98E-07	5.77E-08
5023	490363.09, 3863377.25	6.19E-04	1.95E-07	5.69E-08	6.32E-04	1.99E-07	5.80E-08	6.31E-04	1.99E-07	5.80E-08
5024	490863.09, 3863377.25	6.20E-04	1.96E-07	5.69E-08	6.32E-04	2.00E-07	5.81E-08	6.32E-04	1.99E-07	5.80E-08
5025	491363.09, 3863377.25	6.06E-04	1.91E-07	5.56E-08	6.18E-04	1.95E-07	5.68E-08	6.17E-04	1.95E-07	5.67E-08
5026	491863.09, 3863377.25	5.98E-04	1.89E-07	5.49E-08	6.11E-04	1.93E-07	5.61E-08	6.10E-04	1.93E-07	5.60E-08
5027	492363.09, 3863377.25	6.13E-04	1.93E-07	5.62E-08	6.25E-04	1.97E-07	5.74E-08	6.24E-04	1.97E-07	5.73E-08
5028	492863.09, 3863377.25	6.22E-04	1.96E-07	5.71E-08	6.34E-04	2.00E-07	5.82E-08	6.34E-04	2.00E-07	5.82E-08
5029	493363.09, 3863377.25	6.30E-04	1.99E-07	5.78E-08	6.43E-04	2.03E-07	5.90E-08	6.42E-04	2.03E-07	5.89E-08
5030	493863.09, 3863377.25	6.33E-04	2.00E-07	5.81E-08	6.46E-04	2.04E-07	5.93E-08	6.45E-04	2.04E-07	5.92E-08
5031	494363.09, 3863377.25	6.26E-04	1.98E-07	5.75E-08	6.39E-04	2.02E-07	5.87E-08	6.38E-04	2.01E-07	5.86E-08
5032	494863.09, 3863377.25	6.11E-04	1.93E-07	5.61E-08	6.23E-04	1.97E-07	5.72E-08	6.23E-04	1.96E-07	5.72E-08
5033	495363.09, 3863377.25	5.86E-04	1.85E-07	5.38E-08	5.98E-04	1.89E-07	5.49E-08	5.97E-04	1.89E-07	5.48E-08
5034	495863.09, 3863377.25	5.75E-04	1.81E-07	5.27E-08	5.86E-04	1.85E-07	5.38E-08	5.86E-04	1.85E-07	5.38E-08
5035	496363.09, 3863377.25	5.65E-04	1.78E-07	5.19E-08	5.77E-04	1.82E-07	5.30E-08	5.76E-04	1.82E-07	5.29E-08
5036	496863.09, 3863377.25	5.66E-04	1.79E-07	5.20E-08	5.78E-04	1.82E-07	5.31E-08	5.77E-04	1.82E-07	5.30E-08
5037	497363.09, 3863377.25	5.70E-04	1.80E-07	5.23E-08	5.82E-04	1.84E-07	5.34E-08	5.81E-04	1.83E-07	5.33E-08
5038	497863.09, 3863377.25	5.62E-04	1.77E-07	5.16E-08	5.73E-04	1.81E-07	5.26E-08	5.72E-04	1.81E-07	5.26E-08
5039	498363.09, 3863377.25	5.45E-04	1.72E-07	5.00E-08	5.56E-04	1.76E-07	5.11E-08	5.56E-04	1.75E-07	5.10E-08
5040	471363.09, 3863877.25	2.04E-04	6.44E-08	1.87E-08	2.08E-04	6.57E-08	1.91E-08	2.08E-04	6.56E-08	1.91E-08
5041	471863.09, 3863877.25	2.09E-04	6.58E-08	1.92E-08	2.13E-04	6.72E-08	1.95E-08	2.13E-04	6.71E-08	1.95E-08
5042	472363.09, 3863877.25	2.14E-04	6.76E-08	1.97E-08	2.19E-04	6.90E-08	2.01E-08	2.18E-04	6.89E-08	2.00E-08
5043	472863.09, 3863877.25	2.20E-04	6.94E-08	2.02E-08	2.24E-04	7.08E-08	2.06E-08	2.24E-04	7.07E-08	2.06E-08
5044	473363.09, 3863877.25	2.25E-04	7.11E-08	2.07E-08	2.30E-04	7.25E-08	2.11E-08	2.29E-04	7.24E-08	2.11E-08
5045	473863.09, 3863877.25	2.30E-04	7.27E-08	2.12E-08	2.35E-04	7.42E-08	2.16E-08	2.35E-04	7.41E-08	2.16E-08
5046	474363.09, 3863877.25	2.35E-04	7.42E-08	2.16E-08	2.40E-04	7.57E-08	2.20E-08	2.40E-04	7.56E-08	2.20E-08
5047	474863.09, 3863877.25	2.39E-04	7.55E-08	2.20E-08	2.44E-04	7.71E-08	2.24E-08	2.44E-04	7.70E-08	2.24E-08
5048	475363.09, 3863877.25	2.44E-04	7.69E-08	2.24E-08	2.49E-04	7.85E-08	2.28E-08	2.48E-04	7.84E-08	2.28E-08
5049	475863.09, 3863877.25	2.48E-04	7.83E-08	2.28E-08	2.53E-04	7.99E-08	2.32E-08	2.53E-04	7.98E-08	2.32E-08
5050	476363.09, 3863877.25	2.53E-04	7.98E-08	2.32E-08	2.58E-04	8.14E-08	2.37E-08	2.58E-04	8.13E-08	2.37E-08
5051	476863.09, 3863877.25	2.57E-04	8.12E-08	2.36E-08	2.62E-04	8.28E-08	2.41E-08	2.62E-04	8.27E-08	2.41E-08
5052	477363.09, 3863877.25	2.62E-04	8.28E-08	2.41E-08	2.68E-04	8.45E-08	2.46E-08	2.67E-04	8.44E-08	2.45E-08
5053	477863.09, 3863877.25	2.68E-04	8.44E-08	2.46E-08	2.73E-04	8.62E-08	2.51E-08	2.73E-04	8.61E-08	2.50E-08
5054	478363.09, 3863877.25	2.67E-04	8.42E-08	2.45E-08	2.72E-04	8.59E-08	2.50E-08	2.72E-04	8.58E-08	2.50E-08
5055	478863.09, 3863877.25	2.82E-04	8.90E-08	2.59E-08	2.88E-04	9.08E-08	2.64E-08	2.87E-04	9.07E-08	2.64E-08
5056	479363.09, 3863877.25	2.92E-04	9.22E-08	2.68E-08	2.98E-04	9.40E-08	2.74E-08	2.98E-04	9.39E-08	2.73E-08
5057	479863.09, 3863877.25	2.99E-04	9.44E-08	2.75E-08	3.05E-04	9.63E-08	2.80E-08	3.05E-04	9.62E-08	2.80E-08
5058	480363.09, 3863877.25	3.04E-04	9.61E-08	2.79E-08	3.11E-04	9.80E-08	2.85E-08	3.10E-04	9.79E-08	2.85E-08
5059	480863.09, 3863877.25	3.10E-04	9.78E-08	2.85E-08	3.16E-04	9.98E-08	2.90E-08	3.16E-04	9.97E-08	2.90E-08

5060	481363.09, 3863877.25	3.15E-04	9.95E-08	2.89E-08	3.22E-04	1.02E-07	2.95E-08	3.21E-04	1.01E-07	2.95E-08
5061	481863.09, 3863877.25	3.21E-04	1.01E-07	2.95E-08	3.28E-04	1.03E-07	3.01E-08	3.27E-04	1.03E-07	3.01E-08
5062	482363.09, 3863877.25	3.28E-04	1.04E-07	3.01E-08	3.35E-04	1.06E-07	3.07E-08	3.34E-04	1.05E-07	3.07E-08
5063	482863.09, 3863877.25	3.34E-04	1.06E-07	3.07E-08	3.41E-04	1.08E-07	3.13E-08	3.41E-04	1.08E-07	3.13E-08
5064	483363.09, 3863877.25	3.43E-04	1.08E-07	3.15E-08	3.50E-04	1.10E-07	3.21E-08	3.49E-04	1.10E-07	3.21E-08
5065	483863.09, 3863877.25	3.53E-04	1.12E-07	3.24E-08	3.61E-04	1.14E-07	3.31E-08	3.60E-04	1.14E-07	3.31E-08
5066	484363.09, 3863877.25	3.64E-04	1.15E-07	3.34E-08	3.72E-04	1.17E-07	3.41E-08	3.71E-04	1.17E-07	3.41E-08
5067	484863.09, 3863877.25	3.78E-04	1.19E-07	3.47E-08	3.85E-04	1.22E-07	3.54E-08	3.85E-04	1.22E-07	3.53E-08
5068	485363.09, 3863877.25	3.90E-04	1.23E-07	3.58E-08	3.98E-04	1.26E-07	3.65E-08	3.98E-04	1.25E-07	3.65E-08
5069	485863.09, 3863877.25	4.05E-04	1.28E-07	3.72E-08	4.13E-04	1.30E-07	3.80E-08	4.13E-04	1.30E-07	3.79E-08
5070	486363.09, 3863877.25	4.22E-04	1.33E-07	3.87E-08	4.31E-04	1.36E-07	3.95E-08	4.30E-04	1.36E-07	3.95E-08
5071	486863.09, 3863877.25	4.41E-04	1.39E-07	4.05E-08	4.50E-04	1.42E-07	4.14E-08	4.50E-04	1.42E-07	4.13E-08
5072	487363.09, 3863877.25	4.60E-04	1.45E-07	4.23E-08	4.70E-04	1.48E-07	4.31E-08	4.69E-04	1.48E-07	4.31E-08
5073	487863.09, 3863877.25	4.81E-04	1.52E-07	4.42E-08	4.91E-04	1.55E-07	4.51E-08	4.90E-04	1.55E-07	4.50E-08
5074	488363.09, 3863877.25	5.01E-04	1.58E-07	4.60E-08	5.11E-04	1.61E-07	4.70E-08	5.11E-04	1.61E-07	4.69E-08
5075	488863.09, 3863877.25	5.18E-04	1.64E-07	4.76E-08	5.29E-04	1.67E-07	4.86E-08	5.28E-04	1.67E-07	4.85E-08
5076	489363.09, 3863877.25	5.24E-04	1.65E-07	4.81E-08	5.35E-04	1.69E-07	4.91E-08	5.34E-04	1.69E-07	4.90E-08
5077	489863.09, 3863877.25	5.24E-04	1.65E-07	4.81E-08	5.35E-04	1.69E-07	4.91E-08	5.34E-04	1.69E-07	4.90E-08
5078	490363.09, 3863877.25	5.23E-04	1.65E-07	4.80E-08	5.34E-04	1.68E-07	4.90E-08	5.33E-04	1.68E-07	4.89E-08
5079	490863.09, 3863877.25	5.23E-04	1.65E-07	4.80E-08	5.33E-04	1.68E-07	4.90E-08	5.33E-04	1.68E-07	4.89E-08
5080	491363.09, 3863877.25	5.14E-04	1.62E-07	4.72E-08	5.24E-04	1.66E-07	4.81E-08	5.24E-04	1.65E-07	4.81E-08
5081	491863.09, 3863877.25	5.21E-04	1.64E-07	4.78E-08	5.31E-04	1.68E-07	4.88E-08	5.31E-04	1.67E-07	4.87E-08
5082	492363.09, 3863877.25	5.18E-04	1.63E-07	4.75E-08	5.28E-04	1.67E-07	4.85E-08	5.28E-04	1.67E-07	4.84E-08
5083	492863.09, 3863877.25	4.83E-04	1.53E-07	4.44E-08	4.93E-04	1.56E-07	4.53E-08	4.93E-04	1.55E-07	4.52E-08
5084	493363.09, 3863877.25	4.91E-04	1.55E-07	4.51E-08	5.02E-04	1.58E-07	4.60E-08	5.01E-04	1.58E-07	4.60E-08
5085	493863.09, 3863877.25	5.09E-04	1.61E-07	4.67E-08	5.20E-04	1.64E-07	4.77E-08	5.19E-04	1.64E-07	4.76E-08
5086	494363.09, 3863877.25	5.29E-04	1.67E-07	4.86E-08	5.40E-04	1.70E-07	4.96E-08	5.39E-04	1.70E-07	4.95E-08
5087	494863.09, 3863877.25	5.27E-04	1.66E-07	4.84E-08	5.38E-04	1.70E-07	4.94E-08	5.37E-04	1.69E-07	4.93E-08
5088	495363.09, 3863877.25	5.22E-04	1.65E-07	4.79E-08	5.33E-04	1.68E-07	4.89E-08	5.32E-04	1.68E-07	4.88E-08
5089	495863.09, 3863877.25	4.97E-04	1.57E-07	4.56E-08	5.07E-04	1.60E-07	4.65E-08	5.06E-04	1.60E-07	4.65E-08
5090	496363.09, 3863877.25	4.81E-04	1.52E-07	4.42E-08	4.91E-04	1.55E-07	4.51E-08	4.90E-04	1.55E-07	4.50E-08
5091	496863.09, 3863877.25	4.74E-04	1.50E-07	4.35E-08	4.84E-04	1.53E-07	4.44E-08	4.83E-04	1.53E-07	4.44E-08
5092	497363.09, 3863877.25	4.77E-04	1.51E-07	4.38E-08	4.87E-04	1.54E-07	4.47E-08	4.86E-04	1.53E-07	4.46E-08
5093	497863.09, 3863877.25	4.85E-04	1.53E-07	4.45E-08	4.95E-04	1.56E-07	4.54E-08	4.94E-04	1.56E-07	4.54E-08
5094	498363.09, 3863877.25	4.83E-04	1.52E-07	4.43E-08	4.93E-04	1.55E-07	4.52E-08	4.92E-04	1.55E-07	4.52E-08
5095	471363.09, 3864377.25	1.97E-04	6.23E-08	1.81E-08	2.01E-04	6.36E-08	1.85E-08	2.01E-04	6.35E-08	1.85E-08
5096	471863.09, 3864377.25	2.02E-04	6.39E-08	1.86E-08	2.07E-04	6.52E-08	1.90E-08	2.06E-04	6.51E-08	1.89E-08
5097	472363.09, 3864377.25	2.08E-04	6.56E-08	1.91E-08	2.12E-04	6.69E-08	1.95E-08	2.12E-04	6.68E-08	1.94E-08
5098	472863.09, 3864377.25	2.13E-04	6.72E-08	1.96E-08	2.17E-04	6.86E-08	2.00E-08	2.17E-04	6.85E-08	1.99E-08
5099	473363.09, 3864377.25	2.18E-04	6.87E-08	2.00E-08	2.22E-04	7.01E-08	2.04E-08	2.22E-04	7.00E-08	2.04E-08
5100	473863.09, 3864377.25	2.22E-04	7.02E-08	2.04E-08	2.27E-04	7.16E-08	2.08E-08	2.27E-04	7.16E-08	2.08E-08
5101	474363.09, 3864377.25	2.27E-04	7.15E-08	2.08E-08	2.31E-04	7.30E-08	2.12E-08	2.31E-04	7.29E-08	2.12E-08
5102	474863.09, 3864377.25	2.31E-04	7.28E-08	2.12E-08	2.35E-04	7.43E-08	2.16E-08	2.35E-04	7.42E-08	2.16E-08
5103	475363.09, 3864377.25	2.35E-04	7.41E-08	2.16E-08	2.40E-04	7.56E-08	2.20E-08	2.39E-04	7.55E-08	2.20E-08
5104	475863.09, 3864377.25	2.39E-04	7.54E-08	2.19E-08	2.44E-04	7.70E-08	2.24E-08	2.44E-04	7.69E-08	2.24E-08
5105	476363.09, 3864377.25	2.43E-04	7.67E-08	2.23E-08	2.48E-04	7.83E-08	2.28E-08	2.48E-04	7.82E-08	2.27E-08
5106	476863.09, 3864377.25	2.48E-04	7.82E-08	2.28E-08	2.53E-04	7.98E-08	2.32E-08	2.53E-04	7.97E-08	2.32E-08
5107	477363.09, 3864377.25	2.53E-04	7.97E-08	2.32E-08	2.58E-04	8.13E-08	2.37E-08	2.57E-04	8.12E-08	2.36E-08
5108	477863.09, 3864377.25	2.58E-04	8.15E-08	2.37E-08	2.63E-04	8.31E-08	2.42E-08	2.63E-04	8.30E-08	2.42E-08
5109	478363.09, 3864377.25	2.65E-04	8.36E-08	2.43E-08	2.70E-04	8.53E-08	2.48E-08	2.70E-04	8.52E-08	2.48E-08
5110	478863.09, 3864377.25	2.72E-04	8.59E-08	2.50E-08	2.78E-04	8.77E-08	2.55E-08	2.78E-04	8.76E-08	2.55E-08
5111	479363.09, 3864377.25	2.78E-04	8.78E-08	2.55E-08	2.84E-04	8.96E-08	2.61E-08	2.84E-04	8.95E-08	2.60E-08
5112	479863.09, 3864377.25	2.83E-04	8.92E-08	2.59E-08	2.88E-04	9.10E-08	2.65E-08	2.88E-04	9.09E-08	2.64E-08
5113	480363.09, 3864377.25	2.86E-04	9.04E-08	2.63E-08	2.92E-04	9.22E-08	2.68E-08	2.92E-04	9.21E-08	2.68E-08
5114	480863.09, 3864377.25	2.89E-04	9.13E-08	2.66E-08	2.95E-04	9.32E-08	2.71E-08	2.95E-04	9.31E-08	2.71E-08
5115	481363.09, 3864377.25	2.94E-04	9.28E-08	2.70E-08	3.00E-04	9.47E-08	2.75E-08	3.00E-04	9.46E-08	2.75E-08
5116	481863.09, 3864377.25	2.99E-04	9.44E-08	2.75E-08	3.05E-04	9.63E-08	2.80E-08	3.05E-04	9.62E-08	2.80E-08
5117	482363.09, 3864377.25	3.04E-04	9.59E-08	2.79E-08	3.10E-04	9.78E-08	2.85E-08	3.10E-04	9.77E-08	2.84E-08
5118	482863.09, 3864377.25	3.09E-04	9.75E-08	2.83E-08	3.15E-04	9.95E-08	2.89E-08	3.15E-04	9.93E-08	2.89E-08
5119	483363.09, 3864377.25	3.15E-04	9.93E-08	2.89E-08	3.21E-04	1.01E-07	2.95E-08	3.21E-04	1.01E-07	2.94E-08
5120	483863.09, 3864377.25	3.23E-04	1.02E-07	2.96E-08	3.29E-04	1.04E-07	3.02E-08	3.29E-04	1.04E-07	3.02E-08

5121	484363.09, 3864377.25	3.33E-04	1.05E-07	3.05E-08	3.39E-04	1.07E-07	3.12E-08	3.39E-04	1.07E-07	3.11E-08
5122	484863.09, 3864377.25	3.43E-04	1.08E-07	3.15E-08	3.50E-04	1.10E-07	3.21E-08	3.49E-04	1.10E-07	3.21E-08
5123	485363.09, 3864377.25	3.55E-04	1.12E-07	3.26E-08	3.62E-04	1.14E-07	3.32E-08	3.62E-04	1.14E-07	3.32E-08
5124	485863.09, 3864377.25	3.70E-04	1.17E-07	3.39E-08	3.77E-04	1.19E-07	3.46E-08	3.77E-04	1.19E-07	3.46E-08
5125	486363.09, 3864377.25	3.86E-04	1.22E-07	3.54E-08	3.94E-04	1.24E-07	3.61E-08	3.93E-04	1.24E-07	3.61E-08
5126	486863.09, 3864377.25	3.99E-04	1.26E-07	3.67E-08	4.07E-04	1.29E-07	3.74E-08	4.07E-04	1.28E-07	3.74E-08
5127	487363.09, 3864377.25	4.14E-04	1.31E-07	3.80E-08	4.22E-04	1.33E-07	3.88E-08	4.22E-04	1.33E-07	3.87E-08
5128	487863.09, 3864377.25	4.30E-04	1.36E-07	3.95E-08	4.39E-04	1.39E-07	4.03E-08	4.38E-04	1.38E-07	4.03E-08
5129	488363.09, 3864377.25	4.44E-04	1.40E-07	4.07E-08	4.53E-04	1.43E-07	4.16E-08	4.52E-04	1.43E-07	4.15E-08
5130	488863.09, 3864377.25	4.55E-04	1.43E-07	4.17E-08	4.64E-04	1.46E-07	4.26E-08	4.63E-04	1.46E-07	4.25E-08
5131	489363.09, 3864377.25	4.57E-04	1.44E-07	4.20E-08	4.67E-04	1.47E-07	4.28E-08	4.66E-04	1.47E-07	4.28E-08
5132	489863.09, 3864377.25	4.54E-04	1.43E-07	4.17E-08	4.64E-04	1.46E-07	4.26E-08	4.63E-04	1.46E-07	4.25E-08
5133	490363.09, 3864377.25	4.54E-04	1.43E-07	4.17E-08	4.63E-04	1.46E-07	4.25E-08	4.63E-04	1.46E-07	4.25E-08
5134	490863.09, 3864377.25	4.55E-04	1.44E-07	4.18E-08	4.65E-04	1.47E-07	4.26E-08	4.64E-04	1.46E-07	4.26E-08
5135	491363.09, 3864377.25	4.56E-04	1.44E-07	4.19E-08	4.65E-04	1.47E-07	4.27E-08	4.65E-04	1.47E-07	4.27E-08
5136	491863.09, 3864377.25	2.12E-04	6.70E-08	1.95E-08	2.16E-04	6.83E-08	1.99E-08	2.16E-04	6.82E-08	1.99E-08
5137	492363.09, 3864377.25	3.49E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
5138	492863.09, 3864377.25	2.41E-04	7.60E-08	2.21E-08	2.46E-04	7.75E-08	2.26E-08	2.45E-04	7.74E-08	2.25E-08
5139	493363.09, 3864377.25	3.25E-04	1.02E-07	2.98E-08	3.31E-04	1.05E-07	3.04E-08	3.31E-04	1.04E-07	3.04E-08
5140	493863.09, 3864377.25	3.95E-04	1.25E-07	3.63E-08	4.04E-04	1.27E-07	3.70E-08	4.03E-04	1.27E-07	3.70E-08
5141	494363.09, 3864377.25	4.28E-04	1.35E-07	3.93E-08	4.37E-04	1.38E-07	4.01E-08	4.36E-04	1.38E-07	4.01E-08
5142	494863.09, 3864377.25	4.54E-04	1.43E-07	4.17E-08	4.63E-04	1.46E-07	4.25E-08	4.63E-04	1.46E-07	4.25E-08
5143	495363.09, 3864377.25	4.55E-04	1.44E-07	4.18E-08	4.65E-04	1.47E-07	4.26E-08	4.64E-04	1.46E-07	4.26E-08
5144	495863.09, 3864377.25	4.52E-04	1.43E-07	4.15E-08	4.62E-04	1.46E-07	4.24E-08	4.61E-04	1.45E-07	4.23E-08
5145	496363.09, 3864377.25	4.32E-04	1.36E-07	3.97E-08	4.41E-04	1.39E-07	4.05E-08	4.41E-04	1.39E-07	4.04E-08
5146	496863.09, 3864377.25	4.17E-04	1.32E-07	3.83E-08	4.26E-04	1.34E-07	3.91E-08	4.25E-04	1.34E-07	3.90E-08
5147	497363.09, 3864377.25	4.10E-04	1.29E-07	3.76E-08	4.18E-04	1.32E-07	3.84E-08	4.17E-04	1.32E-07	3.83E-08
5148	497863.09, 3864377.25	4.13E-04	1.30E-07	3.79E-08	4.22E-04	1.33E-07	3.87E-08	4.21E-04	1.33E-07	3.87E-08
5149	498363.09, 3864377.25	4.15E-04	1.31E-07	3.81E-08	4.24E-04	1.34E-07	3.89E-08	4.23E-04	1.34E-07	3.89E-08
5150	471363.09, 3864877.25	1.92E-04	6.06E-08	1.76E-08	1.96E-04	6.19E-08	1.80E-08	1.96E-04	6.18E-08	1.80E-08
5151	471863.09, 3864877.25	1.97E-04	6.21E-08	1.81E-08	2.01E-04	6.34E-08	1.84E-08	2.01E-04	6.33E-08	1.84E-08
5152	472363.09, 3864877.25	2.02E-04	6.37E-08	1.85E-08	2.06E-04	6.50E-08	1.89E-08	2.06E-04	6.49E-08	1.89E-08
5153	472863.09, 3864877.25	2.07E-04	6.52E-08	1.90E-08	2.11E-04	6.65E-08	1.94E-08	2.11E-04	6.64E-08	1.93E-08
5154	473363.09, 3864877.25	2.11E-04	6.65E-08	1.93E-08	2.15E-04	6.79E-08	1.97E-08	2.15E-04	6.78E-08	1.97E-08
5155	473863.09, 3864877.25	2.15E-04	6.77E-08	1.97E-08	2.19E-04	6.91E-08	2.01E-08	2.19E-04	6.90E-08	2.01E-08
5156	474363.09, 3864877.25	2.19E-04	6.90E-08	2.01E-08	2.23E-04	7.04E-08	2.05E-08	2.23E-04	7.03E-08	2.05E-08
5157	474863.09, 3864877.25	2.22E-04	7.01E-08	2.04E-08	2.27E-04	7.16E-08	2.08E-08	2.26E-04	7.15E-08	2.08E-08
5158	475363.09, 3864877.25	2.26E-04	7.13E-08	2.07E-08	2.31E-04	7.28E-08	2.12E-08	2.30E-04	7.27E-08	2.11E-08
5159	475863.09, 3864877.25	2.30E-04	7.24E-08	2.11E-08	2.34E-04	7.39E-08	2.15E-08	2.34E-04	7.38E-08	2.15E-08
5160	476363.09, 3864877.25	2.33E-04	7.37E-08	2.14E-08	2.38E-04	7.52E-08	2.19E-08	2.38E-04	7.51E-08	2.18E-08
5161	476863.09, 3864877.25	2.39E-04	7.53E-08	2.19E-08	2.44E-04	7.69E-08	2.24E-08	2.43E-04	7.68E-08	2.23E-08
5162	477363.09, 3864877.25	2.43E-04	7.67E-08	2.23E-08	2.48E-04	7.83E-08	2.28E-08	2.48E-04	7.82E-08	2.27E-08
5163	477863.09, 3864877.25	2.48E-04	7.82E-08	2.28E-08	2.53E-04	7.98E-08	2.32E-08	2.53E-04	7.97E-08	2.32E-08
5164	478363.09, 3864877.25	2.53E-04	7.98E-08	2.32E-08	2.58E-04	8.14E-08	2.37E-08	2.58E-04	8.13E-08	2.37E-08
5165	478863.09, 3864877.25	2.58E-04	8.13E-08	2.36E-08	2.63E-04	8.29E-08	2.41E-08	2.62E-04	8.28E-08	2.41E-08
5166	479363.09, 3864877.25	2.62E-04	8.26E-08	2.40E-08	2.67E-04	8.43E-08	2.45E-08	2.67E-04	8.42E-08	2.45E-08
5167	479863.09, 3864877.25	2.64E-04	8.34E-08	2.43E-08	2.70E-04	8.51E-08	2.48E-08	2.69E-04	8.50E-08	2.47E-08
5168	480363.09, 3864877.25	2.68E-04	8.44E-08	2.46E-08	2.73E-04	8.62E-08	2.51E-08	2.73E-04	8.61E-08	2.50E-08
5169	480863.09, 3864877.25	2.71E-04	8.54E-08	2.48E-08	2.76E-04	8.71E-08	2.53E-08	2.76E-04	8.70E-08	2.53E-08
5170	481363.09, 3864877.25	2.75E-04	8.67E-08	2.52E-08	2.80E-04	8.84E-08	2.57E-08	2.80E-04	8.83E-08	2.57E-08
5171	481863.09, 3864877.25	2.78E-04	8.77E-08	2.55E-08	2.84E-04	8.95E-08	2.60E-08	2.83E-04	8.94E-08	2.60E-08
5172	482363.09, 3864877.25	2.81E-04	8.88E-08	2.58E-08	2.87E-04	9.06E-08	2.64E-08	2.87E-04	9.05E-08	2.63E-08
5173	482863.09, 3864877.25	2.85E-04	8.98E-08	2.61E-08	2.90E-04	9.17E-08	2.67E-08	2.90E-04	9.16E-08	2.66E-08
5174	483363.09, 3864877.25	2.89E-04	9.11E-08	2.65E-08	2.95E-04	9.30E-08	2.71E-08	2.94E-04	9.29E-08	2.70E-08
5175	483863.09, 3864877.25	2.95E-04	9.32E-08	2.71E-08	3.01E-04	9.51E-08	2.77E-08	3.01E-04	9.50E-08	2.76E-08
5176	484363.09, 3864877.25	3.05E-04	9.63E-08	2.80E-08	3.11E-04	9.82E-08	2.86E-08	3.11E-04	9.81E-08	2.85E-08
5177	484863.09, 3864877.25	3.16E-04	9.98E-08	2.90E-08	3.23E-04	1.02E-07	2.96E-08	3.22E-04	1.02E-07	2.96E-08
5178	485363.09, 3864877.25	3.29E-04	1.04E-07	3.02E-08	3.36E-04	1.06E-07	3.09E-08	3.36E-04	1.06E-07	3.08E-08
5179	485863.09, 3864877.25	3.42E-04	1.08E-07	3.14E-08	3.49E-04	1.10E-07	3.20E-08	3.48E-04	1.10E-07	3.20E-08
5180	486363.09, 3864877.25	3.53E-04	1.11E-07	3.24E-08	3.60E-04	1.14E-07	3.31E-08	3.60E-04	1.14E-07	3.30E-08
5181	486863.09, 3864877.25	3.63E-04	1.14E-07	3.33E-08	3.70E-04	1.17E-07	3.40E-08	3.70E-04	1.17E-07	3.39E-08

5182	487363.09, 3864877.25	3.75E-04	1.18E-07	3.44E-08	3.82E-04	1.21E-07	3.51E-08	3.82E-04	1.21E-07	3.51E-08
5183	487863.09, 3864877.25	3.87E-04	1.22E-07	3.55E-08	3.95E-04	1.25E-07	3.62E-08	3.94E-04	1.24E-07	3.62E-08
5184	488363.09, 3864877.25	3.96E-04	1.25E-07	3.63E-08	4.04E-04	1.27E-07	3.71E-08	4.03E-04	1.27E-07	3.70E-08
5185	488863.09, 3864877.25	4.03E-04	1.27E-07	3.70E-08	4.11E-04	1.30E-07	3.77E-08	4.11E-04	1.30E-07	3.77E-08
5186	489363.09, 3864877.25	4.04E-04	1.27E-07	3.71E-08	4.12E-04	1.30E-07	3.78E-08	4.11E-04	1.30E-07	3.78E-08
5187	489863.09, 3864877.25	4.00E-04	1.26E-07	3.67E-08	4.08E-04	1.29E-07	3.75E-08	4.08E-04	1.29E-07	3.74E-08
5188	490363.09, 3864877.25	4.01E-04	1.26E-07	3.68E-08	4.09E-04	1.29E-07	3.75E-08	4.08E-04	1.29E-07	3.75E-08
5189	490863.09, 3864877.25	3.80E-04	1.20E-07	3.49E-08	3.88E-04	1.22E-07	3.56E-08	3.87E-04	1.22E-07	3.56E-08
5190	491363.09, 3864877.25	4.00E-04	1.26E-07	3.68E-08	4.09E-04	1.29E-07	3.75E-08	4.08E-04	1.29E-07	3.75E-08
5191	491863.09, 3864877.25	3.61E-04	1.14E-07	3.31E-08	3.68E-04	1.16E-07	3.38E-08	3.68E-04	1.16E-07	3.37E-08
5192	492363.09, 3864877.25	1.50E-04	4.74E-08	1.38E-08	1.53E-04	4.84E-08	1.41E-08	1.53E-04	4.83E-08	1.41E-08
5193	492863.09, 3864877.25	1.82E-04	5.76E-08	1.67E-08	1.86E-04	5.87E-08	1.71E-08	1.86E-04	5.87E-08	1.71E-08
5194	493363.09, 3864877.25	1.78E-04	5.62E-08	1.63E-08	1.82E-04	5.73E-08	1.67E-08	1.81E-04	5.73E-08	1.67E-08
5195	493863.09, 3864877.25	3.11E-04	9.82E-08	2.86E-08	3.18E-04	1.00E-07	2.91E-08	3.17E-04	1.00E-07	2.91E-08
5196	494363.09, 3864877.25	3.67E-04	1.16E-07	3.37E-08	3.74E-04	1.18E-07	3.44E-08	3.74E-04	1.18E-07	3.43E-08
5197	494863.09, 3864877.25	3.81E-04	1.20E-07	3.50E-08	3.89E-04	1.23E-07	3.57E-08	3.88E-04	1.23E-07	3.56E-08
5198	495363.09, 3864877.25	3.98E-04	1.25E-07	3.65E-08	4.06E-04	1.28E-07	3.72E-08	4.05E-04	1.28E-07	3.72E-08
5199	495863.09, 3864877.25	3.99E-04	1.26E-07	3.67E-08	4.07E-04	1.29E-07	3.74E-08	4.07E-04	1.28E-07	3.74E-08
5200	496363.09, 3864877.25	3.98E-04	1.26E-07	3.66E-08	4.07E-04	1.28E-07	3.73E-08	4.06E-04	1.28E-07	3.73E-08
5201	496863.09, 3864877.25	3.82E-04	1.21E-07	3.51E-08	3.90E-04	1.23E-07	3.58E-08	3.90E-04	1.23E-07	3.58E-08
5202	497363.09, 3864877.25	3.68E-04	1.16E-07	3.38E-08	3.75E-04	1.18E-07	3.44E-08	3.75E-04	1.18E-07	3.44E-08
5203	497863.09, 3864877.25	3.62E-04	1.14E-07	3.32E-08	3.69E-04	1.17E-07	3.39E-08	3.69E-04	1.16E-07	3.39E-08
5204	498363.09, 3864877.25	3.58E-04	1.13E-07	3.29E-08	3.66E-04	1.15E-07	3.36E-08	3.65E-04	1.15E-07	3.35E-08
5205	471363.09, 3865377.25	1.87E-04	5.90E-08	1.72E-08	1.91E-04	6.02E-08	1.75E-08	1.90E-04	6.01E-08	1.75E-08
5206	471863.09, 3865377.25	1.91E-04	6.04E-08	1.76E-08	1.95E-04	6.16E-08	1.79E-08	1.95E-04	6.15E-08	1.79E-08
5207	472363.09, 3865377.25	1.95E-04	6.17E-08	1.79E-08	1.99E-04	6.29E-08	1.83E-08	1.99E-04	6.28E-08	1.83E-08
5208	472863.09, 3865377.25	2.00E-04	6.31E-08	1.83E-08	2.04E-04	6.43E-08	1.87E-08	2.04E-04	6.43E-08	1.87E-08
5209	473363.09, 3865377.25	2.03E-04	6.41E-08	1.86E-08	2.07E-04	6.54E-08	1.90E-08	2.07E-04	6.53E-08	1.90E-08
5210	473863.09, 3865377.25	2.07E-04	6.52E-08	1.90E-08	2.11E-04	6.65E-08	1.94E-08	2.11E-04	6.64E-08	1.93E-08
5211	474363.09, 3865377.25	2.10E-04	6.63E-08	1.93E-08	2.14E-04	6.77E-08	1.97E-08	2.14E-04	6.76E-08	1.97E-08
5212	474863.09, 3865377.25	2.14E-04	6.75E-08	1.96E-08	2.18E-04	6.89E-08	2.00E-08	2.18E-04	6.88E-08	2.00E-08
5213	475363.09, 3865377.25	2.17E-04	6.85E-08	1.99E-08	2.22E-04	6.99E-08	2.03E-08	2.21E-04	6.99E-08	2.03E-08
5214	475863.09, 3865377.25	2.21E-04	6.97E-08	2.03E-08	2.25E-04	7.11E-08	2.07E-08	2.25E-04	7.10E-08	2.07E-08
5215	476363.09, 3865377.25	2.26E-04	7.14E-08	2.08E-08	2.31E-04	7.29E-08	2.12E-08	2.31E-04	7.28E-08	2.12E-08
5216	476863.09, 3865377.25	2.26E-04	7.13E-08	2.07E-08	2.31E-04	7.28E-08	2.12E-08	2.30E-04	7.27E-08	2.11E-08
5217	477363.09, 3865377.25	2.33E-04	7.37E-08	2.14E-08	2.38E-04	7.52E-08	2.19E-08	2.38E-04	7.51E-08	2.18E-08
5218	477863.09, 3865377.25	2.36E-04	7.44E-08	2.16E-08	2.41E-04	7.59E-08	2.21E-08	2.40E-04	7.58E-08	2.21E-08
5219	478363.09, 3865377.25	2.40E-04	7.56E-08	2.20E-08	2.44E-04	7.72E-08	2.24E-08	2.44E-04	7.71E-08	2.24E-08
5220	478863.09, 3865377.25	2.43E-04	7.65E-08	2.23E-08	2.47E-04	7.81E-08	2.27E-08	2.47E-04	7.80E-08	2.27E-08
5221	479363.09, 3865377.25	2.45E-04	7.75E-08	2.25E-08	2.50E-04	7.91E-08	2.30E-08	2.50E-04	7.90E-08	2.30E-08
5222	479863.09, 3865377.25	2.48E-04	7.84E-08	2.28E-08	2.53E-04	8.00E-08	2.33E-08	2.53E-04	7.99E-08	2.32E-08
5223	480363.09, 3865377.25	2.50E-04	7.90E-08	2.30E-08	2.55E-04	8.06E-08	2.34E-08	2.55E-04	8.05E-08	2.34E-08
5224	480863.09, 3865377.25	2.53E-04	7.97E-08	2.32E-08	2.58E-04	8.13E-08	2.37E-08	2.57E-04	8.12E-08	2.36E-08
5225	481363.09, 3865377.25	2.56E-04	8.07E-08	2.35E-08	2.61E-04	8.24E-08	2.40E-08	2.61E-04	8.23E-08	2.39E-08
5226	481863.09, 3865377.25	2.58E-04	8.14E-08	2.37E-08	2.63E-04	8.30E-08	2.42E-08	2.63E-04	8.29E-08	2.41E-08
5227	482363.09, 3865377.25	2.60E-04	8.19E-08	2.38E-08	2.65E-04	8.36E-08	2.43E-08	2.65E-04	8.35E-08	2.43E-08
5228	482863.09, 3865377.25	2.62E-04	8.26E-08	2.40E-08	2.67E-04	8.43E-08	2.45E-08	2.67E-04	8.42E-08	2.45E-08
5229	483363.09, 3865377.25	2.67E-04	8.42E-08	2.45E-08	2.72E-04	8.59E-08	2.50E-08	2.72E-04	8.58E-08	2.50E-08
5230	483863.09, 3865377.25	2.74E-04	8.66E-08	2.52E-08	2.80E-04	8.84E-08	2.57E-08	2.80E-04	8.82E-08	2.57E-08
5231	484363.09, 3865377.25	2.84E-04	8.97E-08	2.61E-08	2.90E-04	9.15E-08	2.66E-08	2.90E-04	9.14E-08	2.66E-08
5232	484863.09, 3865377.25	2.95E-04	9.32E-08	2.71E-08	3.01E-04	9.51E-08	2.77E-08	3.01E-04	9.50E-08	2.76E-08
5233	485363.09, 3865377.25	3.07E-04	9.68E-08	2.82E-08	3.13E-04	9.88E-08	2.87E-08	3.13E-04	9.87E-08	2.87E-08
5234	485863.09, 3865377.25	3.16E-04	9.99E-08	2.91E-08	3.23E-04	1.02E-07	2.96E-08	3.23E-04	1.02E-07	2.96E-08
5235	486363.09, 3865377.25	3.25E-04	1.02E-07	2.98E-08	3.31E-04	1.05E-07	3.04E-08	3.31E-04	1.04E-07	3.04E-08
5236	486863.09, 3865377.25	3.33E-04	1.05E-07	3.05E-08	3.39E-04	1.07E-07	3.12E-08	3.39E-04	1.07E-07	3.11E-08
5237	487363.09, 3865377.25	3.42E-04	1.08E-07	3.14E-08	3.49E-04	1.10E-07	3.21E-08	3.49E-04	1.10E-07	3.20E-08
5238	487863.09, 3865377.25	3.50E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.28E-08	3.56E-04	1.13E-07	3.27E-08
5239	488363.09, 3865377.25	3.56E-04	1.12E-07	3.27E-08	3.63E-04	1.15E-07	3.33E-08	3.63E-04	1.15E-07	3.33E-08
5240	488863.09, 3865377.25	3.61E-04	1.14E-07	3.31E-08	3.68E-04	1.16E-07	3.38E-08	3.68E-04	1.16E-07	3.37E-08
5241	489363.09, 3865377.25	3.61E-04	1.14E-07	3.32E-08	3.69E-04	1.16E-07	3.38E-08	3.68E-04	1.16E-07	3.38E-08
5242	489863.09, 3865377.25	3.61E-04	1.14E-07	3.32E-08	3.69E-04	1.16E-07	3.38E-08	3.68E-04	1.16E-07	3.38E-08

5243	490363.09, 3865377.25	3.50E-04	1.11E-07	3.22E-08	3.58E-04	1.13E-07	3.28E-08	3.57E-04	1.13E-07	3.28E-08
5244	490863.09, 3865377.25	3.34E-04	1.05E-07	3.07E-08	3.41E-04	1.08E-07	3.13E-08	3.41E-04	1.07E-07	3.13E-08
5245	491363.09, 3865377.25	3.24E-04	1.02E-07	2.97E-08	3.30E-04	1.04E-07	3.03E-08	3.30E-04	1.04E-07	3.03E-08
5246	491863.09, 3865377.25	3.21E-04	1.01E-07	2.95E-08	3.28E-04	1.03E-07	3.01E-08	3.27E-04	1.03E-07	3.01E-08
5247	492363.09, 3865377.25	2.56E-04	8.07E-08	2.35E-08	2.61E-04	8.24E-08	2.40E-08	2.61E-04	8.23E-08	2.39E-08
5248	492863.09, 3865377.25	1.99E-04	6.28E-08	1.83E-08	2.03E-04	6.41E-08	1.86E-08	2.03E-04	6.40E-08	1.86E-08
5249	493363.09, 3865377.25	1.67E-04	5.27E-08	1.53E-08	1.70E-04	5.38E-08	1.57E-08	1.70E-04	5.37E-08	1.56E-08
5250	493863.09, 3865377.25	2.26E-04	7.12E-08	2.07E-08	2.30E-04	7.27E-08	2.11E-08	2.30E-04	7.26E-08	2.11E-08
5251	494363.09, 3865377.25	2.96E-04	9.34E-08	2.72E-08	3.02E-04	9.53E-08	2.77E-08	3.02E-04	9.52E-08	2.77E-08
5252	494863.09, 3865377.25	3.26E-04	1.03E-07	2.99E-08	3.32E-04	1.05E-07	3.05E-08	3.32E-04	1.05E-07	3.05E-08
5253	495363.09, 3865377.25	3.40E-04	1.07E-07	3.12E-08	3.47E-04	1.09E-07	3.18E-08	3.46E-04	1.09E-07	3.18E-08
5254	495863.09, 3865377.25	3.55E-04	1.12E-07	3.26E-08	3.62E-04	1.14E-07	3.33E-08	3.62E-04	1.14E-07	3.32E-08
5255	496363.09, 3865377.25	3.53E-04	1.11E-07	3.24E-08	3.60E-04	1.14E-07	3.30E-08	3.59E-04	1.13E-07	3.30E-08
5256	496863.09, 3865377.25	3.52E-04	1.11E-07	3.23E-08	3.59E-04	1.13E-07	3.29E-08	3.58E-04	1.13E-07	3.29E-08
5257	497363.09, 3865377.25	3.42E-04	1.08E-07	3.14E-08	3.49E-04	1.10E-07	3.20E-08	3.49E-04	1.10E-07	3.20E-08
5258	497863.09, 3865377.25	3.29E-04	1.04E-07	3.02E-08	3.36E-04	1.06E-07	3.08E-08	3.35E-04	1.06E-07	3.08E-08
5259	498363.09, 3865377.25	3.23E-04	1.02E-07	2.97E-08	3.30E-04	1.04E-07	3.03E-08	3.29E-04	1.04E-07	3.02E-08
5260	471363.09, 3865877.25	1.81E-04	5.72E-08	1.66E-08	1.85E-04	5.84E-08	1.70E-08	1.85E-04	5.83E-08	1.70E-08
5261	471863.09, 3865877.25	1.85E-04	5.84E-08	1.70E-08	1.89E-04	5.96E-08	1.73E-08	1.89E-04	5.95E-08	1.73E-08
5262	472363.09, 3865877.25	1.89E-04	5.97E-08	1.74E-08	1.93E-04	6.09E-08	1.77E-08	1.93E-04	6.09E-08	1.77E-08
5263	472863.09, 3865877.25	1.92E-04	6.06E-08	1.76E-08	1.96E-04	6.19E-08	1.80E-08	1.96E-04	6.18E-08	1.80E-08
5264	473363.09, 3865877.25	1.95E-04	6.16E-08	1.79E-08	1.99E-04	6.28E-08	1.83E-08	1.99E-04	6.27E-08	1.83E-08
5265	473863.09, 3865877.25	1.99E-04	6.28E-08	1.83E-08	2.03E-04	6.41E-08	1.86E-08	2.03E-04	6.40E-08	1.86E-08
5266	474363.09, 3865877.25	2.02E-04	6.39E-08	1.86E-08	2.07E-04	6.52E-08	1.90E-08	2.06E-04	6.51E-08	1.89E-08
5267	474863.09, 3865877.25	2.06E-04	6.51E-08	1.89E-08	2.10E-04	6.64E-08	1.93E-08	2.10E-04	6.64E-08	1.93E-08
5268	475363.09, 3865877.25	2.09E-04	6.60E-08	1.92E-08	2.13E-04	6.74E-08	1.96E-08	2.13E-04	6.73E-08	1.96E-08
5269	475863.09, 3865877.25	2.13E-04	6.71E-08	1.95E-08	2.17E-04	6.85E-08	1.99E-08	2.17E-04	6.84E-08	1.99E-08
5270	476363.09, 3865877.25	2.17E-04	6.86E-08	2.00E-08	2.22E-04	7.00E-08	2.04E-08	2.22E-04	7.00E-08	2.03E-08
5271	476863.09, 3865877.25	2.15E-04	6.78E-08	1.97E-08	2.19E-04	6.92E-08	2.01E-08	2.19E-04	6.91E-08	2.01E-08
5272	477363.09, 3865877.25	2.22E-04	7.01E-08	2.04E-08	2.27E-04	7.16E-08	2.08E-08	2.26E-04	7.15E-08	2.08E-08
5273	477863.09, 3865877.25	2.24E-04	7.06E-08	2.05E-08	2.28E-04	7.20E-08	2.10E-08	2.28E-04	7.19E-08	2.09E-08
5274	478363.09, 3865877.25	2.26E-04	7.13E-08	2.07E-08	2.31E-04	7.28E-08	2.12E-08	2.30E-04	7.27E-08	2.11E-08
5275	478863.09, 3865877.25	2.29E-04	7.22E-08	2.10E-08	2.33E-04	7.36E-08	2.14E-08	2.33E-04	7.36E-08	2.14E-08
5276	479363.09, 3865877.25	2.31E-04	7.30E-08	2.12E-08	2.36E-04	7.45E-08	2.17E-08	2.36E-04	7.44E-08	2.16E-08
5277	479863.09, 3865877.25	2.33E-04	7.35E-08	2.14E-08	2.38E-04	7.50E-08	2.18E-08	2.37E-04	7.49E-08	2.18E-08
5278	480363.09, 3865877.25	2.34E-04	7.39E-08	2.15E-08	2.39E-04	7.54E-08	2.19E-08	2.39E-04	7.54E-08	2.19E-08
5279	480863.09, 3865877.25	2.36E-04	7.46E-08	2.17E-08	2.41E-04	7.61E-08	2.21E-08	2.41E-04	7.60E-08	2.21E-08
5280	481363.09, 3865877.25	2.37E-04	7.50E-08	2.18E-08	2.42E-04	7.65E-08	2.22E-08	2.42E-04	7.64E-08	2.22E-08
5281	481863.09, 3865877.25	2.39E-04	7.53E-08	2.19E-08	2.44E-04	7.69E-08	2.24E-08	2.43E-04	7.68E-08	2.23E-08
5282	482363.09, 3865877.25	2.41E-04	7.60E-08	2.21E-08	2.46E-04	7.75E-08	2.26E-08	2.45E-04	7.74E-08	2.25E-08
5283	482863.09, 3865877.25	2.44E-04	7.71E-08	2.24E-08	2.49E-04	7.87E-08	2.29E-08	2.49E-04	7.86E-08	2.29E-08
5284	483363.09, 3865877.25	2.50E-04	7.90E-08	2.30E-08	2.55E-04	8.06E-08	2.34E-08	2.55E-04	8.05E-08	2.34E-08
5285	483863.09, 3865877.25	2.58E-04	8.14E-08	2.37E-08	2.63E-04	8.30E-08	2.42E-08	2.63E-04	8.29E-08	2.41E-08
5286	484363.09, 3865877.25	2.67E-04	8.43E-08	2.45E-08	2.72E-04	8.60E-08	2.50E-08	2.72E-04	8.59E-08	2.50E-08
5287	484863.09, 3865877.25	2.76E-04	8.71E-08	2.53E-08	2.82E-04	8.89E-08	2.59E-08	2.81E-04	8.88E-08	2.58E-08
5288	485363.09, 3865877.25	2.85E-04	9.00E-08	2.62E-08	2.91E-04	9.19E-08	2.67E-08	2.91E-04	9.18E-08	2.67E-08
5289	485863.09, 3865877.25	2.93E-04	9.26E-08	2.69E-08	2.99E-04	9.45E-08	2.75E-08	2.99E-04	9.44E-08	2.75E-08
5290	486363.09, 3865877.25	3.00E-04	9.48E-08	2.76E-08	3.06E-04	9.67E-08	2.81E-08	3.06E-04	9.66E-08	2.81E-08
5291	486863.09, 3865877.25	3.06E-04	9.67E-08	2.81E-08	3.13E-04	9.87E-08	2.87E-08	3.12E-04	9.86E-08	2.87E-08
5292	487363.09, 3865877.25	3.13E-04	9.89E-08	2.88E-08	3.20E-04	1.01E-07	2.93E-08	3.19E-04	1.01E-07	2.93E-08
5293	487863.09, 3865877.25	3.19E-04	1.01E-07	2.93E-08	3.25E-04	1.03E-07	2.99E-08	3.25E-04	1.03E-07	2.98E-08
5294	488363.09, 3865877.25	3.23E-04	1.02E-07	2.96E-08	3.29E-04	1.04E-07	3.02E-08	3.29E-04	1.04E-07	3.02E-08
5295	488863.09, 3865877.25	3.26E-04	1.03E-07	2.99E-08	3.33E-04	1.05E-07	3.05E-08	3.32E-04	1.05E-07	3.05E-08
5296	489363.09, 3865877.25	3.27E-04	1.03E-07	3.00E-08	3.34E-04	1.05E-07	3.06E-08	3.33E-04	1.05E-07	3.06E-08
5297	489863.09, 3865877.25	3.28E-04	1.03E-07	3.01E-08	3.34E-04	1.06E-07	3.07E-08	3.34E-04	1.05E-07	3.07E-08
5298	490363.09, 3865877.25	3.27E-04	1.03E-07	3.01E-08	3.34E-04	1.05E-07	3.07E-08	3.34E-04	1.05E-07	3.06E-08
5299	490863.09, 3865877.25	3.10E-04	9.78E-08	2.85E-08	3.16E-04	9.98E-08	2.90E-08	3.16E-04	9.97E-08	2.90E-08
5300	491363.09, 3865877.25	2.88E-04	9.09E-08	2.64E-08	2.94E-04	9.27E-08	2.70E-08	2.93E-04	9.26E-08	2.69E-08
5301	491863.09, 3865877.25	2.79E-04	8.82E-08	2.56E-08	2.85E-04	9.00E-08	2.62E-08	2.85E-04	8.99E-08	2.61E-08
5302	492363.09, 3865877.25	2.64E-04	8.34E-08	2.43E-08	2.70E-04	8.51E-08	2.48E-08	2.69E-04	8.50E-08	2.47E-08
5303	492863.09, 3865877.25	2.00E-04	6.32E-08	1.84E-08	2.04E-04	6.45E-08	1.88E-08	2.04E-04	6.45E-08	1.87E-08

5304	493363.09, 3865877.25	1.96E-04	6.18E-08	1.80E-08	2.00E-04	6.30E-08	1.83E-08	1.99E-04	6.29E-08	1.83E-08
5305	493863.09, 3865877.25	2.23E-04	7.04E-08	2.05E-08	2.28E-04	7.18E-08	2.09E-08	2.27E-04	7.18E-08	2.09E-08
5306	494363.09, 3865877.25	2.58E-04	8.14E-08	2.37E-08	2.63E-04	8.30E-08	2.42E-08	2.63E-04	8.29E-08	2.41E-08
5307	494863.09, 3865877.25	3.01E-04	9.51E-08	2.77E-08	3.08E-04	9.71E-08	2.82E-08	3.07E-04	9.70E-08	2.82E-08
5308	495363.09, 3865877.25	3.04E-04	9.59E-08	2.79E-08	3.10E-04	9.78E-08	2.85E-08	3.10E-04	9.77E-08	2.84E-08
5309	495863.09, 3865877.25	3.06E-04	9.66E-08	2.81E-08	3.12E-04	9.86E-08	2.87E-08	3.12E-04	9.85E-08	2.86E-08
5310	496363.09, 3865877.25	3.07E-04	9.70E-08	2.82E-08	3.14E-04	9.90E-08	2.88E-08	3.13E-04	9.89E-08	2.88E-08
5311	496863.09, 3865877.25	3.04E-04	9.59E-08	2.79E-08	3.10E-04	9.78E-08	2.85E-08	3.10E-04	9.77E-08	2.84E-08
5312	497363.09, 3865877.25	3.14E-04	9.90E-08	2.88E-08	3.20E-04	1.01E-07	2.94E-08	3.20E-04	1.01E-07	2.94E-08
5313	497863.09, 3865877.25	3.06E-04	9.64E-08	2.81E-08	3.12E-04	9.84E-08	2.86E-08	3.11E-04	9.83E-08	2.86E-08
5314	498363.09, 3865877.25	2.85E-04	9.00E-08	2.62E-08	2.91E-04	9.19E-08	2.67E-08	2.91E-04	9.18E-08	2.67E-08
5315	471363.09, 3866377.25	1.75E-04	5.53E-08	1.61E-08	1.79E-04	5.65E-08	1.64E-08	1.79E-04	5.64E-08	1.64E-08
5316	471863.09, 3866377.25	1.79E-04	5.65E-08	1.64E-08	1.83E-04	5.76E-08	1.68E-08	1.82E-04	5.75E-08	1.67E-08
5317	472363.09, 3866377.25	1.82E-04	5.76E-08	1.67E-08	1.86E-04	5.87E-08	1.71E-08	1.86E-04	5.87E-08	1.71E-08
5318	472863.09, 3866377.25	1.85E-04	5.83E-08	1.70E-08	1.89E-04	5.95E-08	1.73E-08	1.88E-04	5.94E-08	1.73E-08
5319	473363.09, 3866377.25	1.88E-04	5.94E-08	1.73E-08	1.92E-04	6.06E-08	1.76E-08	1.92E-04	6.06E-08	1.76E-08
5320	473863.09, 3866377.25	1.92E-04	6.05E-08	1.76E-08	1.96E-04	6.18E-08	1.80E-08	1.96E-04	6.17E-08	1.79E-08
5321	474363.09, 3866377.25	1.95E-04	6.17E-08	1.79E-08	1.99E-04	6.29E-08	1.83E-08	1.99E-04	6.28E-08	1.83E-08
5322	474863.09, 3866377.25	1.99E-04	6.27E-08	1.82E-08	2.03E-04	6.40E-08	1.86E-08	2.02E-04	6.39E-08	1.86E-08
5323	475363.09, 3866377.25	2.01E-04	6.34E-08	1.84E-08	2.05E-04	6.47E-08	1.88E-08	2.05E-04	6.46E-08	1.88E-08
5324	475863.09, 3866377.25	2.03E-04	6.41E-08	1.86E-08	2.07E-04	6.54E-08	1.90E-08	2.07E-04	6.53E-08	1.90E-08
5325	476363.09, 3866377.25	2.07E-04	6.54E-08	1.90E-08	2.11E-04	6.67E-08	1.94E-08	2.11E-04	6.66E-08	1.94E-08
5326	476863.09, 3866377.25	2.01E-04	6.35E-08	1.85E-08	2.05E-04	6.48E-08	1.89E-08	2.05E-04	6.47E-08	1.88E-08
5327	477363.09, 3866377.25	2.09E-04	6.60E-08	1.92E-08	2.13E-04	6.74E-08	1.96E-08	2.13E-04	6.73E-08	1.96E-08
5328	477863.09, 3866377.25	2.12E-04	6.70E-08	1.95E-08	2.16E-04	6.83E-08	1.99E-08	2.16E-04	6.82E-08	1.99E-08
5329	478363.09, 3866377.25	2.14E-04	6.74E-08	1.96E-08	2.18E-04	6.88E-08	2.00E-08	2.18E-04	6.87E-08	2.00E-08
5330	478863.09, 3866377.25	2.16E-04	6.82E-08	1.98E-08	2.20E-04	6.96E-08	2.02E-08	2.20E-04	6.95E-08	2.02E-08
5331	479363.09, 3866377.25	2.18E-04	6.88E-08	2.00E-08	2.23E-04	7.02E-08	2.04E-08	2.22E-04	7.01E-08	2.04E-08
5332	479863.09, 3866377.25	2.20E-04	6.93E-08	2.02E-08	2.24E-04	7.07E-08	2.06E-08	2.24E-04	7.06E-08	2.05E-08
5333	480363.09, 3866377.25	2.21E-04	6.97E-08	2.03E-08	2.25E-04	7.11E-08	2.07E-08	2.25E-04	7.10E-08	2.07E-08
5334	480863.09, 3866377.25	2.21E-04	6.98E-08	2.03E-08	2.26E-04	7.13E-08	2.07E-08	2.26E-04	7.12E-08	2.07E-08
5335	481363.09, 3866377.25	2.22E-04	7.02E-08	2.04E-08	2.27E-04	7.16E-08	2.08E-08	2.27E-04	7.16E-08	2.08E-08
5336	481863.09, 3866377.25	2.24E-04	7.06E-08	2.05E-08	2.28E-04	7.20E-08	2.10E-08	2.28E-04	7.19E-08	2.09E-08
5337	482363.09, 3866377.25	2.27E-04	7.15E-08	2.08E-08	2.31E-04	7.30E-08	2.12E-08	2.31E-04	7.29E-08	2.12E-08
5338	482863.09, 3866377.25	2.31E-04	7.30E-08	2.12E-08	2.36E-04	7.45E-08	2.17E-08	2.36E-04	7.44E-08	2.16E-08
5339	483363.09, 3866377.25	2.36E-04	7.46E-08	2.17E-08	2.41E-04	7.61E-08	2.21E-08	2.41E-04	7.60E-08	2.21E-08
5340	483863.09, 3866377.25	2.43E-04	7.66E-08	2.23E-08	2.48E-04	7.82E-08	2.27E-08	2.47E-04	7.81E-08	2.27E-08
5341	484363.09, 3866377.25	2.50E-04	7.90E-08	2.30E-08	2.55E-04	8.06E-08	2.34E-08	2.55E-04	8.05E-08	2.34E-08
5342	484863.09, 3866377.25	2.59E-04	8.17E-08	2.38E-08	2.64E-04	8.34E-08	2.43E-08	2.64E-04	8.33E-08	2.42E-08
5343	485363.09, 3866377.25	2.66E-04	8.41E-08	2.45E-08	2.72E-04	8.58E-08	2.50E-08	2.71E-04	8.57E-08	2.49E-08
5344	485863.09, 3866377.25	2.73E-04	8.61E-08	2.50E-08	2.78E-04	8.79E-08	2.56E-08	2.78E-04	8.78E-08	2.55E-08
5345	486363.09, 3866377.25	2.78E-04	8.79E-08	2.56E-08	2.84E-04	8.97E-08	2.61E-08	2.84E-04	8.96E-08	2.61E-08
5346	486863.09, 3866377.25	2.84E-04	8.96E-08	2.61E-08	2.90E-04	9.14E-08	2.66E-08	2.89E-04	9.13E-08	2.66E-08
5347	487363.09, 3866377.25	2.92E-04	9.23E-08	2.68E-08	2.98E-04	9.41E-08	2.74E-08	2.98E-04	9.40E-08	2.74E-08
5348	487863.09, 3866377.25	2.97E-04	9.37E-08	2.73E-08	3.03E-04	9.57E-08	2.78E-08	3.03E-04	9.55E-08	2.78E-08
5349	488363.09, 3866377.25	3.00E-04	9.46E-08	2.75E-08	3.06E-04	9.65E-08	2.81E-08	3.05E-04	9.64E-08	2.80E-08
5350	488863.09, 3866377.25	2.97E-04	9.37E-08	2.73E-08	3.03E-04	9.57E-08	2.78E-08	3.03E-04	9.55E-08	2.78E-08
5351	489363.09, 3866377.25	2.91E-04	9.20E-08	2.68E-08	2.97E-04	9.39E-08	2.73E-08	2.97E-04	9.37E-08	2.73E-08
5352	489863.09, 3866377.25	2.80E-04	8.83E-08	2.57E-08	2.85E-04	9.01E-08	2.62E-08	2.85E-04	9.00E-08	2.62E-08
5353	490363.09, 3866377.25	2.97E-04	9.37E-08	2.72E-08	3.03E-04	9.56E-08	2.78E-08	3.02E-04	9.55E-08	2.78E-08
5354	490863.09, 3866377.25	2.94E-04	9.27E-08	2.70E-08	3.00E-04	9.46E-08	2.75E-08	2.99E-04	9.45E-08	2.75E-08
5355	491363.09, 3866377.25	2.88E-04	9.09E-08	2.64E-08	2.94E-04	9.27E-08	2.70E-08	2.93E-04	9.26E-08	2.69E-08
5356	491863.09, 3866377.25	2.43E-04	7.65E-08	2.23E-08	2.47E-04	7.81E-08	2.27E-08	2.47E-04	7.80E-08	2.27E-08
5357	492363.09, 3866377.25	2.46E-04	7.77E-08	2.26E-08	2.51E-04	7.93E-08	2.31E-08	2.51E-04	7.92E-08	2.30E-08
5358	492863.09, 3866377.25	2.17E-04	6.86E-08	2.00E-08	2.22E-04	7.00E-08	2.04E-08	2.22E-04	7.00E-08	2.03E-08
5359	493363.09, 3866377.25	2.27E-04	7.17E-08	2.09E-08	2.32E-04	7.32E-08	2.13E-08	2.32E-04	7.31E-08	2.13E-08
5360	493863.09, 3866377.25	2.41E-04	7.62E-08	2.22E-08	2.46E-04	7.77E-08	2.26E-08	2.46E-04	7.76E-08	2.26E-08
5361	494363.09, 3866377.25	2.62E-04	8.28E-08	2.41E-08	2.68E-04	8.45E-08	2.46E-08	2.67E-04	8.44E-08	2.45E-08
5362	494863.09, 3866377.25	2.61E-04	8.23E-08	2.39E-08	2.66E-04	8.40E-08	2.44E-08	2.66E-04	8.39E-08	2.44E-08
5363	495363.09, 3866377.25	2.59E-04	8.17E-08	2.38E-08	2.64E-04	8.33E-08	2.42E-08	2.64E-04	8.32E-08	2.42E-08
5364	495863.09, 3866377.25	2.56E-04	8.07E-08	2.35E-08	2.61E-04	8.24E-08	2.40E-08	2.61E-04	8.23E-08	2.39E-08

5365	496363.09, 3866377.25	2.60E-04	8.21E-08	2.39E-08	2.66E-04	8.38E-08	2.44E-08	2.65E-04	8.37E-08	2.43E-08
5366	496863.09, 3866377.25	2.57E-04	8.11E-08	2.36E-08	2.62E-04	8.28E-08	2.41E-08	2.62E-04	8.27E-08	2.40E-08
5367	497363.09, 3866377.25	2.63E-04	8.30E-08	2.41E-08	2.68E-04	8.47E-08	2.46E-08	2.68E-04	8.46E-08	2.46E-08
5368	497863.09, 3866377.25	2.74E-04	8.64E-08	2.51E-08	2.79E-04	8.82E-08	2.56E-08	2.79E-04	8.81E-08	2.56E-08
5369	498363.09, 3866377.25	2.39E-04	7.54E-08	2.19E-08	2.44E-04	7.70E-08	2.24E-08	2.44E-04	7.69E-08	2.24E-08
5370	474494.92, 3848334.16	8.93E-02	2.82E-05	8.20E-06	9.12E-02	2.88E-05	8.37E-06	9.10E-02	2.87E-05	8.36E-06
5371	475167.27, 3848920.79	9.91E-02	3.13E-05	9.09E-06	1.01E-01	3.19E-05	9.28E-06	1.01E-01	3.19E-05	9.27E-06
5372	475297.89, 3848997.96	1.02E-01	3.21E-05	9.33E-06	1.04E-01	3.27E-05	9.52E-06	1.04E-01	3.27E-05	9.51E-06
5373	475439.05, 3849062	1.01E-01	3.19E-05	9.28E-06	1.03E-01	3.26E-05	9.47E-06	1.03E-01	3.25E-05	9.46E-06
5374	475486.86, 3849061.09	7.90E-02	2.49E-05	7.26E-06	8.07E-02	2.55E-05	7.40E-06	8.06E-02	2.54E-05	7.40E-06
5375	475538.46, 3849075.56	7.82E-02	2.47E-05	7.17E-06	7.98E-02	2.52E-05	7.32E-06	7.97E-02	2.51E-05	7.31E-06
5376	475751.79, 3849137.15	1.05E-01	3.30E-05	9.60E-06	1.07E-01	3.37E-05	9.80E-06	1.07E-01	3.37E-05	9.79E-06
5377	476303.62, 3849223.38	1.19E-01	3.77E-05	1.10E-05	1.22E-01	3.84E-05	1.12E-05	1.22E-01	3.84E-05	1.12E-05
5378	476304.51, 3849238.92	1.14E-01	3.59E-05	1.05E-05	1.16E-01	3.67E-05	1.07E-05	1.16E-01	3.66E-05	1.07E-05
5379	476365.04, 3849247.98	1.11E-01	3.52E-05	1.02E-05	1.14E-01	3.59E-05	1.04E-05	1.14E-01	3.58E-05	1.04E-05
5380	476444.86, 3849267.13	1.15E-01	3.62E-05	1.05E-05	1.17E-01	3.69E-05	1.07E-05	1.17E-01	3.69E-05	1.07E-05
5381	476550.75, 3849300.66	1.22E-01	3.86E-05	1.12E-05	1.25E-01	3.94E-05	1.15E-05	1.25E-01	3.94E-05	1.15E-05
5382	476656.71, 3849346.88	1.25E-01	3.95E-05	1.15E-05	1.28E-01	4.04E-05	1.17E-05	1.28E-01	4.03E-05	1.17E-05
5383	476873.55, 3849454.53	1.14E-01	3.61E-05	1.05E-05	1.17E-01	3.69E-05	1.07E-05	1.17E-01	3.68E-05	1.07E-05
5384	477700, 3849859.7	8.08E-02	2.55E-05	7.42E-06	8.25E-02	2.60E-05	7.57E-06	8.24E-02	2.60E-05	7.56E-06
5385	477743.16, 3849856.38	1.13E-01	3.58E-05	1.04E-05	1.16E-01	3.65E-05	1.06E-05	1.16E-01	3.65E-05	1.06E-05
5386	478477.35, 3850216.33	1.05E-01	3.32E-05	9.67E-06	1.07E-01	3.39E-05	9.86E-06	1.07E-01	3.39E-05	9.85E-06
5387	478485.8, 3850201.6	9.78E-02	3.09E-05	8.97E-06	9.98E-02	3.15E-05	9.16E-06	9.96E-02	3.14E-05	9.15E-06
5388	479113.21, 3850501.53	9.09E-02	2.87E-05	8.35E-06	9.28E-02	2.93E-05	8.52E-06	9.27E-02	2.93E-05	8.51E-06
5389	479108.11, 3850382.28	4.46E-02	1.41E-05	4.09E-06	4.55E-02	1.44E-05	4.18E-06	4.54E-02	1.43E-05	4.17E-06
5390	479689.85, 3850674.28	4.73E-02	1.49E-05	4.34E-06	4.83E-02	1.52E-05	4.43E-06	4.82E-02	1.52E-05	4.43E-06
5391	479952.42, 3850774.28	4.22E-02	1.33E-05	3.88E-06	4.31E-02	1.36E-05	3.96E-06	4.31E-02	1.36E-05	3.95E-06
5392	479911.32, 3850884.85	9.20E-02	2.90E-05	8.45E-06	9.39E-02	2.96E-05	8.62E-06	9.38E-02	2.96E-05	8.61E-06
5393	480500.92, 3851178.12	9.87E-02	3.11E-05	9.06E-06	1.01E-01	3.18E-05	9.24E-06	1.01E-01	3.17E-05	9.23E-06
5394	480738.01, 3851289.27	9.46E-02	2.98E-05	8.68E-06	9.65E-02	3.05E-05	8.86E-06	9.64E-02	3.04E-05	8.85E-06
5395	481055.42, 3851443.58	9.45E-02	2.98E-05	8.68E-06	9.65E-02	3.04E-05	8.86E-06	9.63E-02	3.04E-05	8.84E-06
5396	481110.22, 3851443.15	7.32E-02	2.31E-05	6.72E-06	7.47E-02	2.36E-05	6.86E-06	7.46E-02	2.35E-05	6.85E-06
5397	481111.1, 3851417.45	6.17E-02	1.95E-05	5.67E-06	6.30E-02	1.99E-05	5.78E-06	6.29E-02	1.99E-05	5.78E-06
5398	482248.44, 3852605.09	9.02E-02	2.85E-05	8.29E-06	9.21E-02	2.91E-05	8.45E-06	9.20E-02	2.90E-05	8.44E-06
5399	482273.34, 3852632.31	9.33E-02	2.94E-05	8.56E-06	9.52E-02	3.00E-05	8.74E-06	9.50E-02	3.00E-05	8.73E-06
5400	482665.46, 3853038.72	7.72E-02	2.44E-05	7.08E-06	7.87E-02	2.49E-05	7.23E-06	7.86E-02	2.48E-05	7.22E-06
5401	483077.95, 3853844.31	3.79E-03	1.20E-06	3.48E-07	3.87E-03	1.22E-06	3.55E-07	3.86E-03	1.22E-06	3.54E-07
5402	483121.38, 3853909.38	3.37E-03	1.06E-06	3.10E-07	3.44E-03	1.09E-06	3.16E-07	3.44E-03	1.09E-06	3.16E-07
5403	483492.64, 3853911.49	3.33E-03	1.05E-06	3.06E-07	3.40E-03	1.07E-06	3.12E-07	3.40E-03	1.07E-06	3.12E-07
5404	483498.29, 3854204.73	2.35E-03	7.41E-07	2.15E-07	2.39E-03	7.56E-07	2.20E-07	2.39E-03	7.55E-07	2.20E-07
5405	484132.44, 3854662.55	1.38E-03	4.37E-07	1.27E-07	1.41E-03	4.46E-07	1.30E-07	1.41E-03	4.45E-07	1.30E-07
5406	484627.62, 3854876.13	1.33E-03	4.21E-07	1.22E-07	1.36E-03	4.30E-07	1.25E-07	1.36E-03	4.29E-07	1.25E-07
5407	484756.14, 3854949.04	1.32E-03	4.16E-07	1.21E-07	1.35E-03	4.25E-07	1.23E-07	1.34E-03	4.24E-07	1.23E-07
5408	486697.51, 3856599.17	8.89E-04	2.81E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08
5409	487105.31, 3856962.27	9.10E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
5410	487157.57, 3856901.7	9.12E-04	2.88E-07	8.37E-08	9.31E-04	2.94E-07	8.54E-08	9.30E-04	2.93E-07	8.53E-08
5411	487173.5, 3856853.74	9.09E-04	2.87E-07	8.34E-08	9.27E-04	2.93E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
5412	487564.41, 3856860.83	9.03E-04	2.85E-07	8.29E-08	9.21E-04	2.91E-07	8.46E-08	9.20E-04	2.90E-07	8.45E-08
5413	487563.31, 3856931.58	9.11E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
5414	487782.7, 3856926.85	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
5415	487782.39, 3856757.07	9.06E-04	2.86E-07	8.32E-08	9.25E-04	2.92E-07	8.49E-08	9.24E-04	2.92E-07	8.48E-08
5416	487917.26, 3856752.41	9.11E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
5417	487919.57, 3856953.35	9.29E-04	2.93E-07	8.53E-08	9.48E-04	2.99E-07	8.71E-08	9.47E-04	2.99E-07	8.70E-08
5418	487932.76, 3857000.32	9.32E-04	2.94E-07	8.56E-08	9.51E-04	3.00E-07	8.73E-08	9.50E-04	3.00E-07	8.72E-08
5419	487960.5, 3857044.75	9.37E-04	2.96E-07	8.60E-08	9.56E-04	3.02E-07	8.78E-08	9.55E-04	3.02E-07	8.77E-08
5420	488016.54, 3857089.54	9.44E-04	2.98E-07	8.67E-08	9.64E-04	3.04E-07	8.85E-08	9.63E-04	3.04E-07	8.84E-08
5421	488114.39, 3857165.47	9.60E-04	3.03E-07	8.81E-08	9.80E-04	3.09E-07	8.99E-08	9.78E-04	3.09E-07	8.98E-08
5422	488171.49, 3857234.24	9.78E-04	3.09E-07	8.98E-08	9.98E-04	3.15E-07	9.16E-08	9.96E-04	3.15E-07	9.15E-08
5423	488193.16, 3857297.8	9.97E-04	3.15E-07	9.16E-08	1.02E-03	3.21E-07	9.34E-08	1.02E-03	3.21E-07	9.33E-08
5424	488189.27, 3857649.94	1.14E-03	3.59E-07	1.04E-07	1.16E-03	3.67E-07	1.07E-07	1.16E-03	3.66E-07	1.07E-07
5425	488127.43, 3857732.32	1.17E-03	3.70E-07	1.08E-07	1.20E-03	3.78E-07	1.10E-07	1.20E-03	3.77E-07	1.10E-07

5426	488149.93, 3857752.94	1.19E-03	3.74E-07	1.09E-07	1.21E-03	3.82E-07	1.11E-07	1.21E-03	3.81E-07	1.11E-07
5427	488144.76, 3857758.71	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.82E-07	1.11E-07	1.21E-03	3.82E-07	1.11E-07
5428	488335.58, 3857932.55	1.36E-03	4.30E-07	1.25E-07	1.39E-03	4.39E-07	1.28E-07	1.39E-03	4.38E-07	1.27E-07
5429	488372.29, 3857943.79	1.38E-03	4.36E-07	1.27E-07	1.41E-03	4.45E-07	1.29E-07	1.41E-03	4.44E-07	1.29E-07
5430	488828.64, 3857936.4	1.42E-03	4.50E-07	1.31E-07	1.45E-03	4.59E-07	1.33E-07	1.45E-03	4.58E-07	1.33E-07
5431	488829.08, 3857959.58	1.45E-03	4.56E-07	1.33E-07	1.48E-03	4.66E-07	1.35E-07	1.47E-03	4.65E-07	1.35E-07
5432	488351.61, 3857964.55	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.42E-03	4.49E-07	1.31E-07
5433	488316.87, 3857947.65	1.37E-03	4.33E-07	1.26E-07	1.40E-03	4.42E-07	1.28E-07	1.40E-03	4.41E-07	1.28E-07
5434	488129.1, 3857775.77	1.19E-03	3.77E-07	1.10E-07	1.22E-03	3.85E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
5435	488062.53, 3857846.13	1.23E-03	3.88E-07	1.13E-07	1.25E-03	3.96E-07	1.15E-07	1.25E-03	3.95E-07	1.15E-07
5436	488330.41, 3858091.34	1.51E-03	4.77E-07	1.39E-07	1.54E-03	4.87E-07	1.42E-07	1.54E-03	4.86E-07	1.41E-07
5437	488470.87, 3858174.45	1.69E-03	5.34E-07	1.55E-07	1.73E-03	5.45E-07	1.59E-07	1.73E-03	5.45E-07	1.58E-07
5438	488568.9, 3858262.31	1.89E-03	5.97E-07	1.74E-07	1.93E-03	6.10E-07	1.77E-07	1.93E-03	6.09E-07	1.77E-07
5439	488964.27, 3858025.71	1.52E-03	4.81E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.90E-07	1.42E-07
5440	489147.25, 3857956.64	1.41E-03	4.45E-07	1.30E-07	1.44E-03	4.55E-07	1.32E-07	1.44E-03	4.54E-07	1.32E-07
5441	489343.52, 3857932.45	1.31E-03	4.12E-07	1.20E-07	1.33E-03	4.21E-07	1.22E-07	1.33E-03	4.20E-07	1.22E-07
5442	489866.19, 3857923.19	1.19E-03	3.77E-07	1.10E-07	1.22E-03	3.85E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
5443	489955.65, 3857902.27	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.73E-07	1.09E-07	1.18E-03	3.73E-07	1.08E-07
5444	490079.44, 3857847.9	1.13E-03	3.57E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
5445	490108.49, 3857934.13	1.19E-03	3.76E-07	1.09E-07	1.22E-03	3.83E-07	1.12E-07	1.21E-03	3.83E-07	1.11E-07
5446	489884.48, 3858014.17	1.28E-03	4.05E-07	1.18E-07	1.31E-03	4.14E-07	1.20E-07	1.31E-03	4.13E-07	1.20E-07
5447	489326.56, 3858025.86	1.42E-03	4.49E-07	1.31E-07	1.45E-03	4.58E-07	1.33E-07	1.45E-03	4.57E-07	1.33E-07
5448	489130.38, 3858056.71	1.52E-03	4.78E-07	1.39E-07	1.55E-03	4.88E-07	1.42E-07	1.54E-03	4.87E-07	1.42E-07
5449	488936.49, 3858143.93	1.69E-03	5.32E-07	1.55E-07	1.72E-03	5.43E-07	1.58E-07	1.72E-03	5.42E-07	1.58E-07
5450	488638.08, 3858327.45	2.06E-03	6.49E-07	1.89E-07	2.10E-03	6.63E-07	1.93E-07	2.10E-03	6.62E-07	1.93E-07
5451	488663.79, 3858349.57	2.12E-03	6.70E-07	1.95E-07	2.17E-03	6.83E-07	1.99E-07	2.16E-03	6.83E-07	1.99E-07
5452	488694.56, 3858349.5	2.13E-03	6.71E-07	1.95E-07	2.17E-03	6.85E-07	1.99E-07	2.17E-03	6.84E-07	1.99E-07
5453	488694.35, 3858336.75	2.09E-03	6.60E-07	1.92E-07	2.13E-03	6.73E-07	1.96E-07	2.13E-03	6.73E-07	1.96E-07
5454	488712.81, 3858336.38	2.09E-03	6.61E-07	1.92E-07	2.14E-03	6.74E-07	1.96E-07	2.13E-03	6.73E-07	1.96E-07
5455	488713.23, 3858367.46	2.18E-03	6.90E-07	2.01E-07	2.23E-03	7.04E-07	2.05E-07	2.23E-03	7.03E-07	2.04E-07
5456	488704.63, 3858384.05	2.24E-03	7.06E-07	2.05E-07	2.28E-03	7.20E-07	2.09E-07	2.28E-03	7.19E-07	2.09E-07
5457	488604.15, 3858488.29	2.59E-03	8.17E-07	2.38E-07	2.64E-03	8.34E-07	2.42E-07	2.64E-03	8.33E-07	2.42E-07
5458	488605.66, 3858550.47	2.87E-03	9.06E-07	2.64E-07	2.93E-03	9.25E-07	2.69E-07	2.93E-03	9.24E-07	2.69E-07
5459	488692.68, 3858548.71	2.97E-03	9.37E-07	2.72E-07	3.03E-03	9.56E-07	2.78E-07	3.02E-03	9.55E-07	2.78E-07
5460	488759.93, 3858461.81	2.55E-03	8.04E-07	2.34E-07	2.60E-03	8.20E-07	2.39E-07	2.60E-03	8.19E-07	2.38E-07
5461	488816.57, 3858541.79	3.00E-03	9.47E-07	2.75E-07	3.06E-03	9.66E-07	2.81E-07	3.06E-03	9.65E-07	2.81E-07
5462	488944.63, 3858656.77	4.06E-03	1.28E-06	3.73E-07	4.15E-03	1.31E-06	3.81E-07	4.14E-03	1.31E-06	3.80E-07
5463	489134.91, 3858830.7	1.30E-02	4.09E-06	1.19E-06	1.32E-02	4.17E-06	1.21E-06	1.32E-02	4.17E-06	1.21E-06
5464	489193.99, 3858886.05	2.05E-02	6.46E-06	1.88E-06	2.09E-02	6.59E-06	1.92E-06	2.09E-02	6.58E-06	1.91E-06
5465	489295.2, 3858954.34	2.72E-02	8.58E-06	2.50E-06	2.77E-02	8.75E-06	2.55E-06	2.77E-02	8.74E-06	2.54E-06
5466	489295.64, 3858992.74	3.45E-02	1.09E-05	3.16E-06	3.52E-02	1.11E-05	3.23E-06	3.51E-02	1.11E-05	3.23E-06
5467	489183.74, 3858911.72	2.60E-02	8.19E-06	2.38E-06	2.65E-02	8.36E-06	2.43E-06	2.65E-02	8.35E-06	2.43E-06
5468	488873.37, 3858625.59	3.71E-03	1.17E-06	3.40E-07	3.78E-03	1.19E-06	3.47E-07	3.78E-03	1.19E-06	3.47E-07
5469	488842.84, 3858658.69	4.08E-03	1.29E-06	3.75E-07	4.16E-03	1.31E-06	3.82E-07	4.16E-03	1.31E-06	3.82E-07
5470	488856.39, 3858670.93	4.26E-03	1.34E-06	3.91E-07	4.34E-03	1.37E-06	3.99E-07	4.34E-03	1.37E-06	3.98E-07
5471	488805.7, 3858724.5	5.14E-03	1.62E-06	4.72E-07	5.25E-03	1.66E-06	4.82E-07	5.24E-03	1.65E-06	4.81E-07
5472	488805.87, 3858804.16	7.97E-03	2.51E-06	7.31E-07	8.13E-03	2.57E-06	7.46E-07	8.12E-03	2.56E-06	7.45E-07
5473	488995.78, 3858936.96	7.31E-02	2.31E-05	6.71E-06	7.46E-02	2.35E-05	6.85E-06	7.45E-02	2.35E-05	6.84E-06
5474	489130.76, 3859017.38	8.20E-02	2.59E-05	7.53E-06	8.37E-02	2.64E-05	7.68E-06	8.36E-02	2.64E-05	7.68E-06
5475	489130.92, 3859052.24	7.25E-02	2.29E-05	6.65E-06	7.40E-02	2.33E-05	6.79E-06	7.39E-02	2.33E-05	6.78E-06
5476	489200.33, 3859090.6	9.23E-02	2.91E-05	8.47E-06	9.41E-02	2.97E-05	8.64E-06	9.40E-02	2.97E-05	8.63E-06
5477	489296.07, 3859143.7	9.94E-02	3.14E-05	9.12E-06	1.01E-01	3.20E-05	9.31E-06	1.01E-01	3.20E-05	9.30E-06
5478	489296.43, 3858954.74	2.72E-02	8.58E-06	2.49E-06	2.77E-02	8.75E-06	2.55E-06	2.77E-02	8.74E-06	2.54E-06
5479	489410.33, 3859033.19	3.22E-02	1.02E-05	2.96E-06	3.29E-02	1.04E-05	3.02E-06	3.29E-02	1.04E-05	3.02E-06
5480	489371.37, 3859089.8	4.96E-02	1.57E-05	4.56E-06	5.06E-02	1.60E-05	4.65E-06	5.06E-02	1.60E-05	4.64E-06
5481	489390.52, 3859102.82	5.06E-02	1.60E-05	4.65E-06	5.17E-02	1.63E-05	4.74E-06	5.16E-02	1.63E-05	4.74E-06
5482	489382.3, 3859114.53	5.65E-02	1.78E-05	5.19E-06	5.76E-02	1.82E-05	5.29E-06	5.76E-02	1.82E-05	5.29E-06
5483	489363.04, 3859102.45	5.57E-02	1.76E-05	5.11E-06	5.68E-02	1.79E-05	5.21E-06	5.67E-02	1.79E-05	5.21E-06
5484	489337.52, 3859140.71	8.58E-02	2.71E-05	7.87E-06	8.75E-02	2.76E-05	8.03E-06	8.74E-02	2.76E-05	8.02E-06
5485	489375.14, 3859164.55	9.05E-02	2.86E-05	8.31E-06	9.24E-02	2.92E-05	8.48E-06	9.23E-02	2.91E-05	8.47E-06
5486	489409.3, 3859114.5	5.14E-02	1.62E-05	4.72E-06	5.24E-02	1.65E-05	4.81E-06	5.23E-02	1.65E-05	4.81E-06

5487	489434.87, 3859131.81	5.30E-02	1.67E-05	4.86E-06	5.40E-02	1.71E-05	4.96E-06	5.40E-02	1.70E-05	4.96E-06
5488	489471.87, 3859075.75	3.45E-02	1.09E-05	3.17E-06	3.52E-02	1.11E-05	3.23E-06	3.52E-02	1.11E-05	3.23E-06
5489	489602.62, 3859164.69	3.95E-02	1.25E-05	3.63E-06	4.04E-02	1.27E-05	3.70E-06	4.03E-02	1.27E-05	3.70E-06
5490	489558.29, 3859232.45	7.02E-02	2.22E-05	6.45E-06	7.17E-02	2.26E-05	6.58E-06	7.16E-02	2.26E-05	6.57E-06
5491	489620.11, 3859273.56	7.55E-02	2.38E-05	6.93E-06	7.71E-02	2.43E-05	7.07E-06	7.70E-02	2.43E-05	7.07E-06
5492	489666.06, 3859206.42	4.18E-02	1.32E-05	3.84E-06	4.26E-02	1.35E-05	3.91E-06	4.26E-02	1.34E-05	3.91E-06
5493	489787.9, 3859285.65	4.58E-02	1.44E-05	4.20E-06	4.67E-02	1.47E-05	4.29E-06	4.67E-02	1.47E-05	4.28E-06
5494	489752.17, 3859343.13	7.53E-02	2.38E-05	6.91E-06	7.68E-02	2.43E-05	7.05E-06	7.68E-02	2.42E-05	7.05E-06
5495	489814.94, 3859385.33	8.12E-02	2.56E-05	7.46E-06	8.29E-02	2.62E-05	7.61E-06	8.28E-02	2.61E-05	7.60E-06
5496	489853.42, 3859330.74	4.86E-02	1.53E-05	4.46E-06	4.96E-02	1.57E-05	4.55E-06	4.95E-02	1.56E-05	4.55E-06
5497	489969.5, 3859401.91	5.16E-02	1.63E-05	4.73E-06	5.26E-02	1.66E-05	4.83E-06	5.26E-02	1.66E-05	4.83E-06
5498	490166.91, 3859486.96	4.79E-02	1.51E-05	4.40E-06	4.89E-02	1.54E-05	4.49E-06	4.88E-02	1.54E-05	4.48E-06
5499	490128.86, 3859571.46	1.11E-01	3.51E-05	1.02E-05	1.14E-01	3.58E-05	1.04E-05	1.13E-01	3.58E-05	1.04E-05
5500	490186.65, 3859593.65	1.13E-01	3.57E-05	1.04E-05	1.15E-01	3.64E-05	1.06E-05	1.15E-01	3.64E-05	1.06E-05
5501	490223.74, 3859517.48	4.96E-02	1.56E-05	4.55E-06	5.06E-02	1.60E-05	4.64E-06	5.05E-02	1.59E-05	4.64E-06
5502	490846.34, 3859817.22	7.34E-02	2.32E-05	6.74E-06	7.49E-02	2.36E-05	6.88E-06	7.48E-02	2.36E-05	6.87E-06
5503	490925.65, 3859844.59	6.81E-02	2.15E-05	6.25E-06	6.95E-02	2.19E-05	6.38E-06	6.94E-02	2.19E-05	6.37E-06
5504	491159.29, 3859896.28	4.94E-02	1.56E-05	4.54E-06	5.05E-02	1.59E-05	4.63E-06	5.04E-02	1.59E-05	4.63E-06
5505	491370.69, 3859960.89	3.71E-02	1.17E-05	3.40E-06	3.78E-02	1.19E-05	3.47E-06	3.78E-02	1.19E-05	3.47E-06
5506	491330.28, 3860063.17	5.85E-02	1.85E-05	5.37E-06	5.97E-02	1.88E-05	5.48E-06	5.96E-02	1.88E-05	5.48E-06
5507	491636.45, 3860180.75	3.72E-02	1.17E-05	3.41E-06	3.79E-02	1.20E-05	3.48E-06	3.79E-02	1.20E-05	3.48E-06
5508	491617.94, 3860203.93	4.20E-02	1.33E-05	3.86E-06	4.29E-02	1.35E-05	3.93E-06	4.28E-02	1.35E-05	3.93E-06
5509	491805.68, 3860271.59	3.27E-02	1.03E-05	3.00E-06	3.34E-02	1.05E-05	3.07E-06	3.34E-02	1.05E-05	3.06E-06
5510	491654.23, 3860414.02	5.70E-02	1.80E-05	5.23E-06	5.81E-02	1.83E-05	5.34E-06	5.81E-02	1.83E-05	5.33E-06
5511	491592.62, 3860510.76	1.94E-02	6.14E-06	1.78E-06	1.98E-02	6.26E-06	1.82E-06	1.98E-02	6.25E-06	1.82E-06
5512	491475.41, 3860368.93	2.99E-02	9.44E-06	2.75E-06	3.05E-02	9.64E-06	2.80E-06	3.05E-02	9.63E-06	2.80E-06
5513	491445.61, 3860337.28	3.28E-02	1.03E-05	3.01E-06	3.35E-02	1.06E-05	3.07E-06	3.34E-02	1.05E-05	3.07E-06
5514	491399.05, 3860300.37	3.44E-02	1.09E-05	3.16E-06	3.51E-02	1.11E-05	3.22E-06	3.50E-02	1.11E-05	3.22E-06
5515	491228.84, 3860235.98	2.32E-02	7.33E-06	2.13E-06	2.37E-02	7.48E-06	2.18E-06	2.37E-02	7.48E-06	2.17E-06
5516	491228.47, 3860174.57	3.66E-02	1.16E-05	3.36E-06	3.74E-02	1.18E-05	3.43E-06	3.73E-02	1.18E-05	3.43E-06
5517	491145.77, 3860112.55	3.77E-02	1.19E-05	3.46E-06	3.84E-02	1.21E-05	3.53E-06	3.84E-02	1.21E-05	3.52E-06
5518	490844.41, 3859966.22	3.59E-02	1.13E-05	3.30E-06	3.66E-02	1.16E-05	3.36E-06	3.66E-02	1.16E-05	3.36E-06
5519	490845.55, 3859928.15	5.71E-02	1.80E-05	5.24E-06	5.83E-02	1.84E-05	5.35E-06	5.82E-02	1.84E-05	5.34E-06
5520	490046.91, 3859625.6	4.40E-02	1.39E-05	4.04E-06	4.49E-02	1.42E-05	4.12E-06	4.49E-02	1.42E-05	4.12E-06
5521	489970.48, 3859589.4	4.40E-02	1.39E-05	4.04E-06	4.49E-02	1.42E-05	4.12E-06	4.49E-02	1.42E-05	4.12E-06
5522	489865.89, 3859529.06	4.68E-02	1.48E-05	4.30E-06	4.78E-02	1.51E-05	4.38E-06	4.77E-02	1.51E-05	4.38E-06
5523	489826.89, 3859531.74	3.61E-02	1.14E-05	3.31E-06	3.68E-02	1.16E-05	3.38E-06	3.68E-02	1.16E-05	3.37E-06
5524	489410.47, 3859303.06	3.47E-02	1.10E-05	3.19E-06	3.54E-02	1.12E-05	3.25E-06	3.54E-02	1.12E-05	3.25E-06
5525	489407.15, 3859286.09	4.09E-02	1.29E-05	3.76E-06	4.18E-02	1.32E-05	3.83E-06	4.17E-02	1.32E-05	3.83E-06
5526	488806.07, 3858963.62	1.64E-02	5.17E-06	1.50E-06	1.67E-02	5.27E-06	1.53E-06	1.67E-02	5.27E-06	1.53E-06
5527	488817.64, 3859546.3	4.97E-03	1.57E-06	4.56E-07	5.07E-03	1.60E-06	4.65E-07	5.06E-03	1.60E-06	4.65E-07
5528	489187.25, 3859549.52	7.76E-03	2.45E-06	7.13E-07	7.92E-03	2.50E-06	7.27E-07	7.91E-03	2.50E-06	7.26E-07
5529	489187.66, 3859523.74	8.18E-03	2.58E-06	7.51E-07	8.35E-03	2.64E-06	7.67E-07	8.34E-03	2.63E-06	7.66E-07
5530	489232.59, 3859522.85	8.80E-03	2.78E-06	8.07E-07	8.98E-03	2.83E-06	8.24E-07	8.96E-03	2.83E-06	8.23E-07
5531	489224.98, 3859759.91	5.70E-03	1.80E-06	5.23E-07	5.81E-03	1.84E-06	5.34E-07	5.81E-03	1.83E-06	5.33E-07
5532	488401.39, 3859763.34	2.74E-03	8.64E-07	2.51E-07	2.79E-03	8.82E-07	2.56E-07	2.79E-03	8.80E-07	2.56E-07
5533	488405.51, 3859966.16	2.44E-03	7.69E-07	2.24E-07	2.49E-03	7.85E-07	2.28E-07	2.48E-03	7.84E-07	2.28E-07
5534	489202.85, 3859956.57	4.37E-03	1.38E-06	4.01E-07	4.46E-03	1.41E-06	4.10E-07	4.46E-03	1.41E-06	4.09E-07
5535	489191.9, 3860676.74	2.25E-03	7.10E-07	2.06E-07	2.29E-03	7.24E-07	2.11E-07	2.29E-03	7.23E-07	2.10E-07
5536	488392.82, 3860687.88	1.66E-03	5.24E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.34E-07	1.55E-07
5537	488392.82, 3860760.27	1.61E-03	5.09E-07	1.48E-07	1.64E-03	5.19E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
5538	487549.05, 3860777.45	1.16E-03	3.66E-07	1.07E-07	1.18E-03	3.74E-07	1.09E-07	1.18E-03	3.73E-07	1.09E-07
5539	487554.62, 3859571.83	1.65E-03	5.20E-07	1.51E-07	1.68E-03	5.30E-07	1.54E-07	1.68E-03	5.30E-07	1.54E-07
5540	485949.46, 3859558.54	8.62E-04	2.72E-07	7.92E-08	8.80E-04	2.78E-07	8.08E-08	8.79E-04	2.77E-07	8.07E-08
5541	485947.55, 3857943.61	8.71E-04	2.75E-07	8.00E-08	8.89E-04	2.81E-07	8.16E-08	8.88E-04	2.80E-07	8.15E-08
5542	484738.38, 3857940.21	7.75E-04	2.45E-07	7.12E-08	7.91E-04	2.50E-07	7.26E-08	7.90E-04	2.49E-07	7.25E-08
5543	484737.06, 3857535.68	7.71E-04	2.43E-07	7.08E-08	7.87E-04	2.48E-07	7.23E-08	7.86E-04	2.48E-07	7.22E-08
5544	483730.2, 3857530.13	7.44E-04	2.35E-07	6.83E-08	7.59E-04	2.40E-07	6.97E-08	7.58E-04	2.39E-07	6.96E-08
5545	483727.27, 3857130.01	7.66E-04	2.42E-07	7.04E-08	7.82E-04	2.47E-07	7.18E-08	7.81E-04	2.47E-07	7.17E-08
5546	483124.42, 3857123.45	7.51E-04	2.37E-07	6.90E-08	7.66E-04	2.42E-07	7.04E-08	7.66E-04	2.42E-07	7.03E-08
5547	483111.13, 3855921.03	9.82E-04	3.10E-07	9.02E-08	1.00E-03	3.16E-07	9.20E-08	1.00E-03	3.16E-07	9.19E-08

5548	482701.73, 3855918.24	9.74E-04	3.07E-07	8.94E-08	9.94E-04	3.14E-07	9.12E-08	9.93E-04	3.13E-07	9.11E-08
5549	482668.02, 3853521.78	9.81E-03	3.10E-06	9.00E-07	1.00E-02	3.16E-06	9.19E-07	1.00E-02	3.15E-06	9.18E-07
5550	482579.91, 3853219.19	1.97E-02	6.20E-06	1.80E-06	2.01E-02	6.33E-06	1.84E-06	2.00E-02	6.32E-06	1.84E-06
5551	482434.06, 3852961.94	2.69E-02	8.50E-06	2.47E-06	2.75E-02	8.67E-06	2.52E-06	2.74E-02	8.66E-06	2.52E-06
5552	482332.11, 3852832.85	3.11E-02	9.82E-06	2.86E-06	3.17E-02	1.00E-05	2.91E-06	3.17E-02	1.00E-05	2.91E-06
5553	481334.99, 3851818.96	3.12E-02	9.83E-06	2.86E-06	3.18E-02	1.00E-05	2.92E-06	3.18E-02	1.00E-05	2.92E-06
5554	481127.62, 3851646.36	3.28E-02	1.04E-05	3.01E-06	3.35E-02	1.06E-05	3.08E-06	3.35E-02	1.06E-05	3.07E-06
5555	481025.04, 3851591.73	3.07E-02	9.69E-06	2.82E-06	3.13E-02	9.89E-06	2.88E-06	3.13E-02	9.87E-06	2.87E-06
5556	480513.6, 3851335.76	3.08E-02	9.71E-06	2.82E-06	3.14E-02	9.90E-06	2.88E-06	3.13E-02	9.89E-06	2.88E-06
5557	480523.56, 3851317.66	3.61E-02	1.14E-05	3.32E-06	3.69E-02	1.16E-05	3.38E-06	3.68E-02	1.16E-05	3.38E-06
5558	476921.56, 3849569.11	3.82E-02	1.21E-05	3.51E-06	3.90E-02	1.23E-05	3.58E-06	3.90E-02	1.23E-05	3.58E-06
5559	476521.19, 3849373.96	5.09E-02	1.61E-05	4.67E-06	5.20E-02	1.64E-05	4.77E-06	5.19E-02	1.64E-05	4.76E-06
5560	476391.45, 3849333.38	5.22E-02	1.65E-05	4.79E-06	5.32E-02	1.68E-05	4.89E-06	5.32E-02	1.68E-05	4.88E-06
5561	476219.41, 3849304.29	4.98E-02	1.57E-05	4.57E-06	5.08E-02	1.60E-05	4.67E-06	5.08E-02	1.60E-05	4.66E-06
5562	475679.11, 3849218.47	4.39E-02	1.38E-05	4.03E-06	4.48E-02	1.41E-05	4.11E-06	4.47E-02	1.41E-05	4.10E-06
5563	475677.71, 3849233.88	3.62E-02	1.14E-05	3.32E-06	3.69E-02	1.17E-05	3.39E-06	3.69E-02	1.16E-05	3.39E-06
5564	475492.74, 3849204.66	2.30E-02	7.27E-06	2.11E-06	2.35E-02	7.42E-06	2.16E-06	2.35E-02	7.41E-06	2.15E-06
5565	475497.64, 3849158.75	5.62E-02	1.77E-05	5.16E-06	5.73E-02	1.81E-05	5.26E-06	5.73E-02	1.81E-05	5.26E-06
5566	475391.35, 3849141.94	3.84E-02	1.21E-05	3.52E-06	3.92E-02	1.24E-05	3.60E-06	3.91E-02	1.23E-05	3.59E-06
5567	475277, 3849095.47	3.31E-02	1.04E-05	3.04E-06	3.38E-02	1.07E-05	3.10E-06	3.37E-02	1.06E-05	3.10E-06
5568	475183.93, 3849025.66	3.81E-02	1.20E-05	3.50E-06	3.89E-02	1.23E-05	3.57E-06	3.88E-02	1.23E-05	3.57E-06
5569	474453.23, 3848378.77	4.34E-02	1.37E-05	3.99E-06	4.43E-02	1.40E-05	4.07E-06	4.43E-02	1.40E-05	4.06E-06
5570	474569.63, 3848399.34	8.30E-02	2.62E-05	7.62E-06	8.47E-02	2.67E-05	7.77E-06	8.46E-02	2.67E-05	7.76E-06
5571	474644.33, 3848464.52	7.67E-02	2.42E-05	7.04E-06	7.82E-02	2.47E-05	7.18E-06	7.81E-02	2.47E-05	7.17E-06
5572	474719.04, 3848529.7	9.98E-02	3.15E-05	9.17E-06	1.02E-01	3.22E-05	9.35E-06	1.02E-01	3.21E-05	9.34E-06
5573	474793.74, 3848594.88	8.53E-02	2.69E-05	7.84E-06	8.71E-02	2.75E-05	8.00E-06	8.70E-02	2.75E-05	7.99E-06
5574	474868.45, 3848660.07	9.88E-02	3.12E-05	9.07E-06	1.01E-01	3.18E-05	9.25E-06	1.01E-01	3.18E-05	9.24E-06
5575	474943.15, 3848725.25	9.85E-02	3.11E-05	9.04E-06	1.00E-01	3.17E-05	9.23E-06	1.00E-01	3.17E-05	9.21E-06
5576	475017.86, 3848790.43	9.92E-02	3.13E-05	9.11E-06	1.01E-01	3.20E-05	9.30E-06	1.01E-01	3.19E-05	9.29E-06
5577	475092.56, 3848855.61	9.92E-02	3.13E-05	9.11E-06	1.01E-01	3.20E-05	9.29E-06	1.01E-01	3.19E-05	9.28E-06
5578	475232.58, 3848959.38	9.56E-02	3.02E-05	8.78E-06	9.76E-02	3.08E-05	8.96E-06	9.74E-02	3.08E-05	8.95E-06
5579	475368.47, 3849029.98	9.78E-02	3.09E-05	8.98E-06	9.98E-02	3.15E-05	9.16E-06	9.96E-02	3.15E-05	9.15E-06
5580	475609.57, 3849096.09	8.23E-02	2.60E-05	7.56E-06	8.40E-02	2.65E-05	7.71E-06	8.39E-02	2.65E-05	7.71E-06
5581	475680.68, 3849116.62	9.12E-02	2.88E-05	8.37E-06	9.30E-02	2.94E-05	8.54E-06	9.29E-02	2.93E-05	8.53E-06
5582	475843.76, 3849151.52	1.09E-01	3.44E-05	1.00E-05	1.11E-01	3.51E-05	1.02E-05	1.11E-01	3.51E-05	1.02E-05
5583	475935.73, 3849165.89	1.05E-01	3.30E-05	9.60E-06	1.07E-01	3.37E-05	9.79E-06	1.07E-01	3.36E-05	9.78E-06
5584	476027.71, 3849180.27	1.06E-01	3.34E-05	9.73E-06	1.08E-01	3.41E-05	9.93E-06	1.08E-01	3.41E-05	9.91E-06
5585	476119.68, 3849194.64	1.19E-01	3.77E-05	1.10E-05	1.22E-01	3.85E-05	1.12E-05	1.22E-01	3.84E-05	1.12E-05
5586	476211.65, 3849209.01	1.24E-01	3.92E-05	1.14E-05	1.27E-01	4.00E-05	1.16E-05	1.27E-01	4.00E-05	1.16E-05
5587	476497.81, 3849283.9	1.16E-01	3.65E-05	1.06E-05	1.18E-01	3.73E-05	1.08E-05	1.18E-01	3.72E-05	1.08E-05
5588	476603.73, 3849323.77	1.24E-01	3.90E-05	1.13E-05	1.26E-01	3.98E-05	1.16E-05	1.26E-01	3.98E-05	1.16E-05
5589	476728.99, 3849382.76	9.63E-02	3.04E-05	8.84E-06	9.83E-02	3.10E-05	9.02E-06	9.81E-02	3.10E-05	9.01E-06
5590	476801.27, 3849418.65	1.01E-01	3.19E-05	9.28E-06	1.03E-01	3.26E-05	9.47E-06	1.03E-01	3.25E-05	9.46E-06
5591	476956.2, 3849495.05	1.10E-01	3.47E-05	1.01E-05	1.12E-01	3.54E-05	1.03E-05	1.12E-01	3.53E-05	1.03E-05
5592	477038.84, 3849535.56	1.03E-01	3.25E-05	9.46E-06	1.05E-01	3.32E-05	9.66E-06	1.05E-01	3.32E-05	9.65E-06
5593	477121.49, 3849576.08	1.01E-01	3.19E-05	9.29E-06	1.03E-01	3.26E-05	9.48E-06	1.03E-01	3.25E-05	9.47E-06
5594	477204.13, 3849616.6	9.85E-02	3.11E-05	9.04E-06	1.00E-01	3.17E-05	9.22E-06	1.00E-01	3.17E-05	9.21E-06
5595	477286.78, 3849657.12	9.20E-02	2.90E-05	8.44E-06	9.38E-02	2.96E-05	8.61E-06	9.37E-02	2.96E-05	8.60E-06
5596	477369.42, 3849697.63	8.94E-02	2.82E-05	8.20E-06	9.12E-02	2.88E-05	8.37E-06	9.11E-02	2.87E-05	8.36E-06
5597	477452.07, 3849738.15	9.10E-02	2.87E-05	8.35E-06	9.28E-02	2.93E-05	8.52E-06	9.27E-02	2.93E-05	8.51E-06
5598	477534.71, 3849778.67	8.71E-02	2.75E-05	8.00E-06	8.89E-02	2.81E-05	8.16E-06	8.88E-02	2.80E-05	8.15E-06
5599	477617.36, 3849819.18	8.67E-02	2.74E-05	7.96E-06	8.84E-02	2.79E-05	8.12E-06	8.83E-02	2.79E-05	8.11E-06
5600	477824.74, 3849896.37	1.09E-01	3.44E-05	1.00E-05	1.11E-01	3.51E-05	1.02E-05	1.11E-01	3.51E-05	1.02E-05
5601	477906.31, 3849936.37	1.17E-01	3.69E-05	1.07E-05	1.19E-01	3.76E-05	1.09E-05	1.19E-01	3.76E-05	1.09E-05
5602	477987.89, 3849976.36	1.14E-01	3.58E-05	1.04E-05	1.16E-01	3.66E-05	1.06E-05	1.16E-01	3.65E-05	1.06E-05
5603	478069.47, 3850016.36	1.18E-01	3.73E-05	1.08E-05	1.20E-01	3.80E-05	1.11E-05	1.20E-01	3.80E-05	1.10E-05
5604	478151.04, 3850056.35	1.06E-01	3.33E-05	9.69E-06	1.08E-01	3.40E-05	9.88E-06	1.08E-01	3.39E-05	9.87E-06
5605	478232.62, 3850096.35	1.06E-01	3.35E-05	9.73E-06	1.08E-01	3.41E-05	9.93E-06	1.08E-01	3.41E-05	9.92E-06
5606	478314.2, 3850136.34	1.06E-01	3.34E-05	9.71E-06	1.08E-01	3.41E-05	9.90E-06	1.08E-01	3.40E-05	9.89E-06
5607	478395.77, 3850176.34	1.05E-01	3.32E-05	9.64E-06	1.07E-01	3.38E-05	9.84E-06	1.07E-01	3.38E-05	9.83E-06
5608	478575.43, 3850244.45	9.63E-02	3.04E-05	8.84E-06	9.83E-02	3.10E-05	9.02E-06	9.81E-02	3.10E-05	9.01E-06

5609	478665.06, 3850287.29	9.56E-02	3.02E-05	8.78E-06	9.76E-02	3.08E-05	8.96E-06	9.75E-02	3.08E-05	8.95E-06
5610	478754.69, 3850330.14	9.47E-02	2.99E-05	8.69E-06	9.66E-02	3.05E-05	8.87E-06	9.65E-02	3.05E-05	8.86E-06
5611	478844.32, 3850372.99	9.25E-02	2.92E-05	8.50E-06	9.44E-02	2.98E-05	8.67E-06	9.43E-02	2.98E-05	8.66E-06
5612	478933.95, 3850415.84	8.95E-02	2.82E-05	8.21E-06	9.13E-02	2.88E-05	8.38E-06	9.12E-02	2.88E-05	8.37E-06
5613	479023.58, 3850458.68	9.27E-02	2.93E-05	8.51E-06	9.46E-02	2.99E-05	8.69E-06	9.45E-02	2.98E-05	8.68E-06
5614	479110.66, 3850441.91	5.87E-02	1.85E-05	5.39E-06	5.99E-02	1.89E-05	5.50E-06	5.98E-02	1.89E-05	5.49E-06
5615	479191.22, 3850423.99	4.47E-02	1.41E-05	4.10E-06	4.56E-02	1.44E-05	4.19E-06	4.56E-02	1.44E-05	4.18E-06
5616	479274.32, 3850465.71	4.54E-02	1.43E-05	4.17E-06	4.64E-02	1.46E-05	4.26E-06	4.63E-02	1.46E-05	4.25E-06
5617	479357.43, 3850507.42	4.64E-02	1.46E-05	4.26E-06	4.73E-02	1.49E-05	4.34E-06	4.73E-02	1.49E-05	4.34E-06
5618	479440.53, 3850549.14	4.66E-02	1.47E-05	4.28E-06	4.76E-02	1.50E-05	4.37E-06	4.75E-02	1.50E-05	4.36E-06
5619	479523.64, 3850590.85	4.67E-02	1.47E-05	4.29E-06	4.77E-02	1.50E-05	4.38E-06	4.76E-02	1.50E-05	4.37E-06
5620	479606.74, 3850632.57	4.71E-02	1.49E-05	4.32E-06	4.80E-02	1.52E-05	4.41E-06	4.80E-02	1.51E-05	4.41E-06
5621	479777.37, 3850707.61	4.53E-02	1.43E-05	4.16E-06	4.63E-02	1.46E-05	4.25E-06	4.62E-02	1.46E-05	4.24E-06
5622	479864.9, 3850740.95	4.38E-02	1.38E-05	4.02E-06	4.47E-02	1.41E-05	4.10E-06	4.46E-02	1.41E-05	4.10E-06
5623	479931.87, 3850829.57	5.72E-02	1.80E-05	5.25E-06	5.83E-02	1.84E-05	5.36E-06	5.83E-02	1.84E-05	5.35E-06
5624	479995.55, 3850926.75	9.13E-02	2.88E-05	8.38E-06	9.32E-02	2.94E-05	8.55E-06	9.30E-02	2.94E-05	8.54E-06
5625	480079.78, 3850968.64	9.11E-02	2.88E-05	8.37E-06	9.30E-02	2.93E-05	8.54E-06	9.29E-02	2.93E-05	8.53E-06
5626	480164.01, 3851010.54	9.07E-02	2.86E-05	8.33E-06	9.26E-02	2.92E-05	8.50E-06	9.25E-02	2.92E-05	8.49E-06
5627	480248.23, 3851052.43	8.98E-02	2.83E-05	8.24E-06	9.16E-02	2.89E-05	8.41E-06	9.15E-02	2.89E-05	8.40E-06
5628	480332.46, 3851094.33	9.09E-02	2.87E-05	8.34E-06	9.27E-02	2.93E-05	8.51E-06	9.26E-02	2.92E-05	8.50E-06
5629	480416.69, 3851136.22	9.55E-02	3.02E-05	8.77E-06	9.75E-02	3.08E-05	8.95E-06	9.74E-02	3.07E-05	8.94E-06
5630	480579.95, 3851215.17	9.76E-02	3.08E-05	8.96E-06	9.95E-02	3.14E-05	9.14E-06	9.94E-02	3.14E-05	9.13E-06
5631	480658.98, 3851252.22	9.66E-02	3.05E-05	8.87E-06	9.85E-02	3.11E-05	9.05E-06	9.84E-02	3.11E-05	9.04E-06
5632	480817.36, 3851327.85	9.54E-02	3.01E-05	8.76E-06	9.74E-02	3.07E-05	8.94E-06	9.73E-02	3.07E-05	8.93E-06
5633	480896.72, 3851366.43	9.59E-02	3.03E-05	8.81E-06	9.79E-02	3.09E-05	8.99E-06	9.78E-02	3.09E-05	8.98E-06
5634	480976.07, 3851405	9.57E-02	3.02E-05	8.79E-06	9.77E-02	3.08E-05	8.97E-06	9.76E-02	3.08E-05	8.96E-06
5635	481178, 3851487.31	7.20E-02	2.27E-05	6.61E-06	7.34E-02	2.32E-05	6.74E-06	7.33E-02	2.31E-05	6.73E-06
5636	481244.9, 3851557.17	7.96E-02	2.51E-05	7.31E-06	8.13E-02	2.56E-05	7.46E-06	8.12E-02	2.56E-05	7.45E-06
5637	481311.81, 3851627.03	8.82E-02	2.78E-05	8.10E-06	9.00E-02	2.84E-05	8.27E-06	8.99E-02	2.84E-05	8.26E-06
5638	481378.71, 3851696.89	8.99E-02	2.84E-05	8.25E-06	9.18E-02	2.90E-05	8.42E-06	9.16E-02	2.89E-05	8.41E-06
5639	481445.61, 3851766.76	9.40E-02	2.97E-05	8.63E-06	9.59E-02	3.03E-05	8.81E-06	9.58E-02	3.02E-05	8.80E-06
5640	481512.51, 3851836.62	9.45E-02	2.98E-05	8.68E-06	9.64E-02	3.04E-05	8.85E-06	9.63E-02	3.04E-05	8.84E-06
5641	481579.42, 3851906.48	9.35E-02	2.95E-05	8.58E-06	9.54E-02	3.01E-05	8.76E-06	9.53E-02	3.01E-05	8.75E-06
5642	481646.32, 3851976.34	9.34E-02	2.95E-05	8.58E-06	9.53E-02	3.01E-05	8.75E-06	9.52E-02	3.01E-05	8.74E-06
5643	481713.22, 3852046.2	9.27E-02	2.93E-05	8.51E-06	9.46E-02	2.99E-05	8.69E-06	9.45E-02	2.98E-05	8.68E-06
5644	481780.12, 3852116.06	9.31E-02	2.94E-05	8.54E-06	9.50E-02	3.00E-05	8.72E-06	9.49E-02	2.99E-05	8.71E-06
5645	481847.03, 3852185.92	9.31E-02	2.94E-05	8.55E-06	9.50E-02	3.00E-05	8.72E-06	9.49E-02	3.00E-05	8.71E-06
5646	481913.93, 3852255.78	9.25E-02	2.92E-05	8.50E-06	9.44E-02	2.98E-05	8.67E-06	9.43E-02	2.98E-05	8.66E-06
5647	481980.83, 3852325.65	8.78E-02	2.77E-05	8.06E-06	8.96E-02	2.83E-05	8.22E-06	8.95E-02	2.82E-05	8.21E-06
5648	482047.73, 3852395.51	8.95E-02	2.82E-05	8.21E-06	9.13E-02	2.88E-05	8.38E-06	9.12E-02	2.88E-05	8.37E-06
5649	482114.64, 3852465.37	8.61E-02	2.72E-05	7.90E-06	8.79E-02	2.77E-05	8.07E-06	8.78E-02	2.77E-05	8.06E-06
5650	482181.54, 3852535.23	8.92E-02	2.82E-05	8.19E-06	9.10E-02	2.87E-05	8.36E-06	9.09E-02	2.87E-05	8.35E-06
5651	482338.69, 3852700.05	9.07E-02	2.86E-05	8.33E-06	9.26E-02	2.92E-05	8.50E-06	9.25E-02	2.92E-05	8.49E-06
5652	482404.05, 3852767.78	9.02E-02	2.85E-05	8.28E-06	9.20E-02	2.90E-05	8.45E-06	9.19E-02	2.90E-05	8.44E-06
5653	482469.4, 3852835.52	9.12E-02	2.88E-05	8.37E-06	9.31E-02	2.94E-05	8.54E-06	9.29E-02	2.93E-05	8.53E-06
5654	482534.75, 3852903.25	9.05E-02	2.86E-05	8.31E-06	9.23E-02	2.91E-05	8.48E-06	9.22E-02	2.91E-05	8.47E-06
5655	482600.11, 3852970.99	8.41E-02	2.65E-05	7.72E-06	8.58E-02	2.71E-05	7.88E-06	8.57E-02	2.71E-05	7.87E-06
5656	482706.71, 3853119.28	7.85E-02	2.48E-05	7.21E-06	8.02E-02	2.53E-05	7.36E-06	8.01E-02	2.53E-05	7.35E-06
5657	482747.96, 3853199.84	7.95E-02	2.51E-05	7.30E-06	8.11E-02	2.56E-05	7.45E-06	8.10E-02	2.56E-05	7.44E-06
5658	482789.21, 3853280.4	7.36E-02	2.32E-05	6.75E-06	7.51E-02	2.37E-05	6.89E-06	7.50E-02	2.37E-05	6.88E-06
5659	482830.46, 3853360.96	6.63E-02	2.09E-05	6.09E-06	6.77E-02	2.14E-05	6.21E-06	6.76E-02	2.13E-05	6.21E-06
5660	482871.71, 3853441.52	5.54E-02	1.75E-05	5.08E-06	5.65E-02	1.78E-05	5.19E-06	5.64E-02	1.78E-05	5.18E-06
5661	482912.95, 3853522.07	1.54E-02	4.86E-06	1.41E-06	1.57E-02	4.96E-06	1.44E-06	1.57E-02	4.95E-06	1.44E-06
5662	482954.2, 3853602.63	7.93E-03	2.50E-06	7.28E-07	8.09E-03	2.55E-06	7.43E-07	8.08E-03	2.55E-06	7.42E-07
5663	482995.45, 3853683.19	5.71E-03	1.80E-06	5.24E-07	5.82E-03	1.84E-06	5.35E-07	5.82E-03	1.84E-06	5.34E-07
5664	483036.7, 3853763.75	4.56E-03	1.44E-06	4.19E-07	4.65E-03	1.47E-06	4.27E-07	4.65E-03	1.47E-06	4.27E-07
5665	483214.2, 3853909.91	3.31E-03	1.04E-06	3.04E-07	3.37E-03	1.06E-06	3.10E-07	3.37E-03	1.06E-06	3.09E-07
5666	483307.01, 3853910.44	3.35E-03	1.06E-06	3.08E-07	3.42E-03	1.08E-06	3.14E-07	3.42E-03	1.08E-06	3.14E-07
5667	483399.83, 3853910.96	3.34E-03	1.05E-06	3.06E-07	3.41E-03	1.08E-06	3.13E-07	3.40E-03	1.07E-06	3.12E-07
5668	483494.52, 3854009.24	2.93E-03	9.26E-07	2.69E-07	2.99E-03	9.45E-07	2.75E-07	2.99E-03	9.44E-07	2.75E-07
5669	483496.41, 3854106.98	2.63E-03	8.29E-07	2.41E-07	2.68E-03	8.46E-07	2.46E-07	2.68E-03	8.45E-07	2.46E-07

5670	483577.56, 3854261.96	2.19E-03	6.90E-07	2.01E-07	2.23E-03	7.04E-07	2.05E-07	2.23E-03	7.03E-07	2.05E-07
5671	483656.83, 3854319.19	2.04E-03	6.43E-07	1.87E-07	2.08E-03	6.56E-07	1.91E-07	2.08E-03	6.55E-07	1.91E-07
5672	483736.1, 3854376.41	1.90E-03	5.99E-07	1.74E-07	1.94E-03	6.11E-07	1.78E-07	1.93E-03	6.10E-07	1.77E-07
5673	483815.37, 3854433.64	1.77E-03	5.59E-07	1.62E-07	1.81E-03	5.70E-07	1.66E-07	1.80E-03	5.69E-07	1.66E-07
5674	483894.63, 3854490.87	1.65E-03	5.20E-07	1.51E-07	1.68E-03	5.31E-07	1.54E-07	1.68E-03	5.30E-07	1.54E-07
5675	483973.9, 3854548.1	1.54E-03	4.86E-07	1.41E-07	1.57E-03	4.96E-07	1.44E-07	1.57E-03	4.95E-07	1.44E-07
5676	484053.17, 3854605.32	1.46E-03	4.61E-07	1.34E-07	1.49E-03	4.71E-07	1.37E-07	1.49E-03	4.70E-07	1.37E-07
5677	484214.97, 3854698.15	1.37E-03	4.33E-07	1.26E-07	1.40E-03	4.42E-07	1.29E-07	1.40E-03	4.42E-07	1.28E-07
5678	484297.5, 3854733.74	1.38E-03	4.35E-07	1.26E-07	1.41E-03	4.44E-07	1.29E-07	1.40E-03	4.43E-07	1.29E-07
5679	484380.03, 3854769.34	1.36E-03	4.28E-07	1.25E-07	1.38E-03	4.37E-07	1.27E-07	1.38E-03	4.36E-07	1.27E-07
5680	484462.56, 3854804.94	1.36E-03	4.28E-07	1.25E-07	1.38E-03	4.37E-07	1.27E-07	1.38E-03	4.36E-07	1.27E-07
5681	484545.09, 3854840.53	1.33E-03	4.20E-07	1.22E-07	1.36E-03	4.28E-07	1.25E-07	1.36E-03	4.28E-07	1.24E-07
5682	484691.88, 3854912.59	1.33E-03	4.19E-07	1.22E-07	1.36E-03	4.28E-07	1.24E-07	1.35E-03	4.27E-07	1.24E-07
5683	484830.81, 3855012.51	1.30E-03	4.10E-07	1.19E-07	1.33E-03	4.19E-07	1.22E-07	1.32E-03	4.18E-07	1.22E-07
5684	484905.48, 3855075.97	1.29E-03	4.08E-07	1.19E-07	1.32E-03	4.16E-07	1.21E-07	1.32E-03	4.15E-07	1.21E-07
5685	484980.14, 3855139.44	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
5686	485054.81, 3855202.91	1.24E-03	3.92E-07	1.14E-07	1.27E-03	4.00E-07	1.16E-07	1.27E-03	4.00E-07	1.16E-07
5687	485129.48, 3855266.37	1.21E-03	3.80E-07	1.11E-07	1.23E-03	3.88E-07	1.13E-07	1.23E-03	3.88E-07	1.13E-07
5688	485204.15, 3855329.84	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.83E-07	1.11E-07	1.21E-03	3.82E-07	1.11E-07
5689	485278.82, 3855393.31	1.16E-03	3.67E-07	1.07E-07	1.19E-03	3.74E-07	1.09E-07	1.18E-03	3.74E-07	1.09E-07
5690	485353.48, 3855456.77	1.14E-03	3.60E-07	1.05E-07	1.17E-03	3.68E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
5691	485428.15, 3855520.24	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.60E-07	1.05E-07
5692	485502.82, 3855583.71	1.10E-03	3.46E-07	1.01E-07	1.12E-03	3.53E-07	1.03E-07	1.12E-03	3.53E-07	1.03E-07
5693	485577.49, 3855647.17	1.08E-03	3.41E-07	9.93E-08	1.10E-03	3.48E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
5694	485652.16, 3855710.64	1.07E-03	3.37E-07	9.79E-08	1.09E-03	3.44E-07	9.99E-08	1.09E-03	3.43E-07	9.98E-08
5695	485726.83, 3855774.11	1.05E-03	3.31E-07	9.63E-08	1.07E-03	3.38E-07	9.82E-08	1.07E-03	3.37E-07	9.81E-08
5696	485801.49, 3855837.57	1.03E-03	3.25E-07	9.45E-08	1.05E-03	3.32E-07	9.65E-08	1.05E-03	3.31E-07	9.64E-08
5697	485876.16, 3855901.04	1.01E-03	3.20E-07	9.31E-08	1.03E-03	3.27E-07	9.50E-08	1.03E-03	3.26E-07	9.49E-08
5698	485950.83, 3855964.5	9.98E-04	3.15E-07	9.16E-08	1.02E-03	3.21E-07	9.35E-08	1.02E-03	3.21E-07	9.34E-08
5699	486025.5, 3856027.97	9.80E-04	3.09E-07	9.00E-08	1.00E-03	3.16E-07	9.18E-08	9.99E-04	3.15E-07	9.17E-08
5700	486100.17, 3856091.44	9.74E-04	3.07E-07	8.94E-08	9.93E-04	3.14E-07	9.12E-08	9.92E-04	3.13E-07	9.11E-08
5701	486174.83, 3856154.9	9.57E-04	3.02E-07	8.78E-08	9.76E-04	3.08E-07	8.96E-08	9.75E-04	3.08E-07	8.95E-08
5702	486249.5, 3856218.37	9.33E-04	2.94E-07	8.56E-08	9.52E-04	3.00E-07	8.74E-08	9.51E-04	3.00E-07	8.73E-08
5703	486324.17, 3856281.84	9.11E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
5704	486398.84, 3856345.3	9.04E-04	2.85E-07	8.30E-08	9.23E-04	2.91E-07	8.47E-08	9.22E-04	2.91E-07	8.46E-08
5705	486473.51, 3856408.77	8.95E-04	2.82E-07	8.22E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
5706	486548.17, 3856472.24	8.91E-04	2.81E-07	8.18E-08	9.10E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
5707	486622.84, 3856535.7	8.89E-04	2.81E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08
5708	486765.48, 3856659.69	8.92E-04	2.81E-07	8.19E-08	9.10E-04	2.87E-07	8.35E-08	9.09E-04	2.87E-07	8.34E-08
5709	486833.44, 3856720.2	8.93E-04	2.82E-07	8.19E-08	9.11E-04	2.87E-07	8.36E-08	9.10E-04	2.87E-07	8.35E-08
5710	486901.41, 3856780.72	8.96E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
5711	486969.38, 3856841.24	9.00E-04	2.84E-07	8.26E-08	9.18E-04	2.90E-07	8.43E-08	9.17E-04	2.89E-07	8.42E-08
5712	487037.34, 3856901.75	9.05E-04	2.86E-07	8.30E-08	9.23E-04	2.91E-07	8.47E-08	9.22E-04	2.91E-07	8.46E-08
5713	487271.23, 3856855.51	9.06E-04	2.86E-07	8.32E-08	9.24E-04	2.92E-07	8.49E-08	9.23E-04	2.91E-07	8.48E-08
5714	487368.96, 3856857.29	9.03E-04	2.85E-07	8.29E-08	9.22E-04	2.91E-07	8.46E-08	9.20E-04	2.91E-07	8.45E-08
5715	487466.68, 3856859.06	9.03E-04	2.85E-07	8.29E-08	9.22E-04	2.91E-07	8.46E-08	9.20E-04	2.91E-07	8.45E-08
5716	487636.44, 3856930	9.10E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
5717	487709.57, 3856928.43	9.14E-04	2.88E-07	8.39E-08	9.33E-04	2.94E-07	8.56E-08	9.32E-04	2.94E-07	8.55E-08
5718	487782.55, 3856841.96	9.11E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
5719	487849.83, 3856754.74	9.08E-04	2.87E-07	8.34E-08	9.27E-04	2.93E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
5720	487918.03, 3856819.39	9.17E-04	2.89E-07	8.42E-08	9.35E-04	2.95E-07	8.59E-08	9.34E-04	2.95E-07	8.58E-08
5721	487918.8, 3856886.37	9.24E-04	2.92E-07	8.48E-08	9.43E-04	2.98E-07	8.66E-08	9.42E-04	2.97E-07	8.65E-08
5722	488065.47, 3857127.51	9.53E-04	3.01E-07	8.75E-08	9.72E-04	3.07E-07	8.93E-08	9.71E-04	3.07E-07	8.92E-08
5723	488192.19, 3857385.84	1.02E-03	3.23E-07	9.39E-08	1.04E-03	3.29E-07	9.58E-08	1.04E-03	3.29E-07	9.57E-08
5724	488191.22, 3857473.87	1.06E-03	3.33E-07	9.69E-08	1.08E-03	3.40E-07	9.89E-08	1.08E-03	3.40E-07	9.88E-08
5725	488190.24, 3857561.91	1.09E-03	3.45E-07	1.00E-07	1.12E-03	3.52E-07	1.02E-07	1.12E-03	3.52E-07	1.02E-07
5726	488158.35, 3857691.13	1.16E-03	3.65E-07	1.06E-07	1.18E-03	3.72E-07	1.08E-07	1.18E-03	3.72E-07	1.08E-07
5727	488208.37, 3857816.66	1.24E-03	3.91E-07	1.14E-07	1.26E-03	3.99E-07	1.16E-07	1.26E-03	3.98E-07	1.16E-07
5728	488271.97, 3857874.6	1.29E-03	4.07E-07	1.18E-07	1.31E-03	4.15E-07	1.21E-07	1.31E-03	4.14E-07	1.21E-07
5729	488463.56, 3857942.31	1.39E-03	4.39E-07	1.28E-07	1.42E-03	4.48E-07	1.30E-07	1.42E-03	4.48E-07	1.30E-07
5730	488554.83, 3857940.83	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.43E-03	4.50E-07	1.31E-07

5731	488646.1, 3857939.36	1.41E-03	4.44E-07	1.29E-07	1.43E-03	4.53E-07	1.32E-07	1.43E-03	4.52E-07	1.32E-07
5732	488737.37, 3857937.88	1.42E-03	4.47E-07	1.30E-07	1.44E-03	4.56E-07	1.33E-07	1.44E-03	4.55E-07	1.32E-07
5733	488733.59, 3857960.57	1.44E-03	4.54E-07	1.32E-07	1.47E-03	4.63E-07	1.35E-07	1.46E-03	4.62E-07	1.34E-07
5734	488638.09, 3857961.57	1.43E-03	4.50E-07	1.31E-07	1.46E-03	4.60E-07	1.34E-07	1.45E-03	4.59E-07	1.34E-07
5735	488542.6, 3857962.56	1.42E-03	4.49E-07	1.31E-07	1.45E-03	4.58E-07	1.33E-07	1.45E-03	4.58E-07	1.33E-07
5736	488447.1, 3857963.56	1.41E-03	4.46E-07	1.30E-07	1.44E-03	4.55E-07	1.32E-07	1.44E-03	4.54E-07	1.32E-07
5737	488254.28, 3857890.36	1.30E-03	4.10E-07	1.19E-07	1.33E-03	4.19E-07	1.22E-07	1.33E-03	4.18E-07	1.22E-07
5738	488191.69, 3857833.06	1.25E-03	3.93E-07	1.14E-07	1.27E-03	4.01E-07	1.17E-07	1.27E-03	4.01E-07	1.17E-07
5739	488129.5, 3857907.43	1.29E-03	4.07E-07	1.19E-07	1.32E-03	4.16E-07	1.21E-07	1.32E-03	4.15E-07	1.21E-07
5740	488196.47, 3857968.74	1.36E-03	4.28E-07	1.24E-07	1.38E-03	4.37E-07	1.27E-07	1.38E-03	4.36E-07	1.27E-07
5741	488263.44, 3858030.04	1.43E-03	4.52E-07	1.31E-07	1.46E-03	4.61E-07	1.34E-07	1.46E-03	4.60E-07	1.34E-07
5742	488400.64, 3858132.9	1.60E-03	5.04E-07	1.47E-07	1.63E-03	5.15E-07	1.50E-07	1.63E-03	5.14E-07	1.50E-07
5743	488519.89, 3858218.38	1.80E-03	5.67E-07	1.65E-07	1.83E-03	5.78E-07	1.68E-07	1.83E-03	5.77E-07	1.68E-07
5744	488647.97, 3858214.99	1.80E-03	5.68E-07	1.65E-07	1.84E-03	5.80E-07	1.69E-07	1.84E-03	5.79E-07	1.68E-07
5745	488727.05, 3858167.67	1.72E-03	5.43E-07	1.58E-07	1.76E-03	5.55E-07	1.61E-07	1.76E-03	5.54E-07	1.61E-07
5746	488806.12, 3858120.35	1.65E-03	5.21E-07	1.52E-07	1.69E-03	5.32E-07	1.55E-07	1.68E-03	5.31E-07	1.55E-07
5747	488885.2, 3858073.03	1.58E-03	5.00E-07	1.45E-07	1.62E-03	5.10E-07	1.48E-07	1.61E-03	5.09E-07	1.48E-07
5748	489055.76, 3857991.18	1.46E-03	4.62E-07	1.34E-07	1.49E-03	4.72E-07	1.37E-07	1.49E-03	4.71E-07	1.37E-07
5749	489245.39, 3857944.55	1.34E-03	4.24E-07	1.23E-07	1.37E-03	4.32E-07	1.26E-07	1.37E-03	4.32E-07	1.26E-07
5750	489430.63, 3857930.91	1.28E-03	4.03E-07	1.17E-07	1.30E-03	4.11E-07	1.20E-07	1.30E-03	4.11E-07	1.19E-07
5751	489517.74, 3857929.36	1.25E-03	3.95E-07	1.15E-07	1.28E-03	4.03E-07	1.17E-07	1.28E-03	4.02E-07	1.17E-07
5752	489604.86, 3857927.82	1.23E-03	3.88E-07	1.13E-07	1.25E-03	3.96E-07	1.15E-07	1.25E-03	3.95E-07	1.15E-07
5753	489691.97, 3857926.28	1.22E-03	3.84E-07	1.12E-07	1.24E-03	3.92E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
5754	489779.08, 3857924.73	1.20E-03	3.80E-07	1.11E-07	1.23E-03	3.88E-07	1.13E-07	1.23E-03	3.87E-07	1.13E-07
5755	490017.55, 3857875.09	1.13E-03	3.58E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
5756	490033.82, 3857960.81	1.22E-03	3.85E-07	1.12E-07	1.24E-03	3.93E-07	1.14E-07	1.24E-03	3.92E-07	1.14E-07
5757	489959.15, 3857987.49	1.27E-03	3.99E-07	1.16E-07	1.29E-03	4.07E-07	1.19E-07	1.29E-03	4.07E-07	1.18E-07
5758	489791.49, 3858016.12	1.29E-03	4.09E-07	1.19E-07	1.32E-03	4.17E-07	1.21E-07	1.32E-03	4.16E-07	1.21E-07
5759	489698.51, 3858018.07	1.31E-03	4.14E-07	1.21E-07	1.34E-03	4.23E-07	1.23E-07	1.34E-03	4.22E-07	1.23E-07
5760	489605.52, 3858020.02	1.33E-03	4.21E-07	1.22E-07	1.36E-03	4.30E-07	1.25E-07	1.36E-03	4.29E-07	1.25E-07
5761	489512.53, 3858021.96	1.36E-03	4.29E-07	1.25E-07	1.39E-03	4.38E-07	1.27E-07	1.39E-03	4.37E-07	1.27E-07
5762	489419.55, 3858023.91	1.39E-03	4.40E-07	1.28E-07	1.42E-03	4.49E-07	1.31E-07	1.42E-03	4.49E-07	1.30E-07
5763	489228.47, 3858041.29	1.45E-03	4.58E-07	1.33E-07	1.48E-03	4.67E-07	1.36E-07	1.48E-03	4.66E-07	1.36E-07
5764	489065.75, 3858085.78	1.58E-03	4.97E-07	1.45E-07	1.61E-03	5.07E-07	1.48E-07	1.61E-03	5.07E-07	1.47E-07
5765	489001.12, 3858114.86	1.63E-03	5.16E-07	1.50E-07	1.67E-03	5.26E-07	1.53E-07	1.67E-03	5.26E-07	1.53E-07
5766	488861.89, 3858189.81	1.76E-03	5.57E-07	1.62E-07	1.80E-03	5.68E-07	1.65E-07	1.80E-03	5.68E-07	1.65E-07
5767	488787.29, 3858235.69	1.86E-03	5.87E-07	1.71E-07	1.90E-03	5.99E-07	1.74E-07	1.89E-03	5.98E-07	1.74E-07
5768	488712.68, 3858281.57	1.95E-03	6.15E-07	1.79E-07	1.99E-03	6.27E-07	1.82E-07	1.99E-03	6.27E-07	1.82E-07
5769	488654.39, 3858436.17	2.41E-03	7.60E-07	2.21E-07	2.46E-03	7.75E-07	2.26E-07	2.45E-03	7.74E-07	2.25E-07
5770	488726.31, 3858505.26	2.74E-03	8.65E-07	2.52E-07	2.80E-03	8.83E-07	2.57E-07	2.79E-03	8.82E-07	2.56E-07
5771	488880.6, 3858599.28	3.45E-03	1.09E-06	3.17E-07	3.52E-03	1.11E-06	3.24E-07	3.52E-03	1.11E-06	3.23E-07
5772	489008.06, 3858714.75	5.06E-03	1.60E-06	4.65E-07	5.16E-03	1.63E-06	4.74E-07	5.16E-03	1.63E-06	4.74E-07
5773	489071.48, 3858772.72	7.34E-03	2.32E-06	6.74E-07	7.49E-03	2.36E-06	6.87E-07	7.48E-03	2.36E-06	6.86E-07
5774	489244.6, 3858920.2	2.42E-02	7.63E-06	2.22E-06	2.47E-02	7.79E-06	2.27E-06	2.47E-02	7.78E-06	2.26E-06
5775	489239.69, 3858952.23	3.07E-02	9.70E-06	2.82E-06	3.13E-02	9.89E-06	2.88E-06	3.13E-02	9.88E-06	2.87E-06
5776	489121.67, 3858854.49	1.68E-02	5.29E-06	1.54E-06	1.71E-02	5.39E-06	1.57E-06	1.71E-02	5.39E-06	1.57E-06
5777	489059.59, 3858797.27	9.00E-03	2.84E-06	8.26E-07	9.19E-03	2.90E-06	8.43E-07	9.18E-03	2.90E-06	8.42E-07
5778	488997.52, 3858740.04	5.69E-03	1.80E-06	5.22E-07	5.81E-03	1.83E-06	5.33E-07	5.80E-03	1.83E-06	5.32E-07
5779	488935.44, 3858682.82	4.44E-03	1.40E-06	4.07E-07	4.53E-03	1.43E-06	4.16E-07	4.52E-03	1.43E-06	4.15E-07
5780	488869.17, 3858848.43	1.35E-02	4.27E-06	1.24E-06	1.38E-02	4.36E-06	1.27E-06	1.38E-02	4.35E-06	1.27E-06
5781	488932.48, 3858892.69	4.67E-02	1.47E-05	4.28E-06	4.76E-02	1.50E-05	4.37E-06	4.76E-02	1.50E-05	4.37E-06
5782	489063.27, 3858977.17	7.95E-02	2.51E-05	7.29E-06	8.11E-02	2.56E-05	7.44E-06	8.10E-02	2.56E-05	7.43E-06
5783	489248.2, 3859117.15	9.59E-02	3.03E-05	8.80E-06	9.79E-02	3.09E-05	8.98E-06	9.77E-02	3.09E-05	8.97E-06
5784	489296.25, 3859049.22	4.94E-02	1.56E-05	4.54E-06	5.04E-02	1.59E-05	4.63E-06	5.04E-02	1.59E-05	4.62E-06
5785	489353.38, 3858993.97	2.99E-02	9.45E-06	2.75E-06	3.06E-02	9.64E-06	2.80E-06	3.05E-02	9.63E-06	2.80E-06
5786	489537.25, 3859120.22	3.69E-02	1.17E-05	3.39E-06	3.77E-02	1.19E-05	3.46E-06	3.77E-02	1.19E-05	3.46E-06
5787	489726.98, 3859246.04	4.38E-02	1.38E-05	4.02E-06	4.47E-02	1.41E-05	4.10E-06	4.46E-02	1.41E-05	4.10E-06
5788	489911.46, 3859366.33	4.97E-02	1.57E-05	4.57E-06	5.08E-02	1.60E-05	4.66E-06	5.07E-02	1.60E-05	4.65E-06
5789	490035.3, 3859430.26	5.00E-02	1.58E-05	4.59E-06	5.10E-02	1.61E-05	4.68E-06	5.09E-02	1.61E-05	4.67E-06
5790	490101.11, 3859458.61	4.87E-02	1.54E-05	4.47E-06	4.97E-02	1.57E-05	4.56E-06	4.96E-02	1.57E-05	4.56E-06
5791	490312.68, 3859560.3	5.23E-02	1.65E-05	4.80E-06	5.34E-02	1.69E-05	4.90E-06	5.33E-02	1.68E-05	4.90E-06

5792	490401.63, 3859603.12	5.55E-02	1.75E-05	5.10E-06	5.67E-02	1.79E-05	5.20E-06	5.66E-02	1.79E-05	5.20E-06
5793	490490.57, 3859645.94	5.89E-02	1.86E-05	5.41E-06	6.01E-02	1.90E-05	5.52E-06	6.01E-02	1.90E-05	5.51E-06
5794	490579.51, 3859688.76	6.23E-02	1.97E-05	5.72E-06	6.36E-02	2.01E-05	5.84E-06	6.35E-02	2.00E-05	5.83E-06
5795	490668.45, 3859731.58	6.42E-02	2.03E-05	5.89E-06	6.55E-02	2.07E-05	6.01E-06	6.54E-02	2.06E-05	6.01E-06
5796	490757.4, 3859774.4	7.01E-02	2.21E-05	6.43E-06	7.15E-02	2.26E-05	6.56E-06	7.14E-02	2.25E-05	6.56E-06
5797	491003.53, 3859861.82	6.31E-02	1.99E-05	5.80E-06	6.44E-02	2.03E-05	5.92E-06	6.44E-02	2.03E-05	5.91E-06
5798	491081.41, 3859879.05	5.63E-02	1.78E-05	5.17E-06	5.75E-02	1.81E-05	5.28E-06	5.74E-02	1.81E-05	5.27E-06
5799	491229.76, 3859917.82	4.54E-02	1.43E-05	4.17E-06	4.64E-02	1.46E-05	4.26E-06	4.63E-02	1.46E-05	4.25E-06
5800	491300.22, 3859939.35	4.10E-02	1.29E-05	3.76E-06	4.18E-02	1.32E-05	3.84E-06	4.18E-02	1.32E-05	3.83E-06
5801	491350.49, 3860012.03	4.55E-02	1.44E-05	4.18E-06	4.64E-02	1.47E-05	4.26E-06	4.64E-02	1.46E-05	4.26E-06
5802	491406.82, 3860092.57	5.13E-02	1.62E-05	4.71E-06	5.23E-02	1.65E-05	4.80E-06	5.23E-02	1.65E-05	4.80E-06
5803	491483.37, 3860121.96	4.57E-02	1.44E-05	4.19E-06	4.66E-02	1.47E-05	4.28E-06	4.66E-02	1.47E-05	4.27E-06
5804	491559.91, 3860151.36	4.11E-02	1.30E-05	3.77E-06	4.19E-02	1.32E-05	3.85E-06	4.18E-02	1.32E-05	3.84E-06
5805	491711.81, 3860237.76	2.83E-02	8.94E-06	2.60E-06	2.89E-02	9.12E-06	2.65E-06	2.89E-02	9.11E-06	2.65E-06
5806	491755.2, 3860319.07	4.09E-02	1.29E-05	3.75E-06	4.17E-02	1.32E-05	3.83E-06	4.17E-02	1.31E-05	3.82E-06
5807	491704.71, 3860366.54	5.85E-02	1.85E-05	5.37E-06	5.97E-02	1.88E-05	5.48E-06	5.96E-02	1.88E-05	5.47E-06
5808	491623.43, 3860462.39	3.46E-02	1.09E-05	3.18E-06	3.53E-02	1.11E-05	3.24E-06	3.53E-02	1.11E-05	3.24E-06
5809	491534.02, 3860439.85	1.98E-02	6.25E-06	1.82E-06	2.02E-02	6.37E-06	1.85E-06	2.02E-02	6.37E-06	1.85E-06
5810	491313.95, 3860268.18	2.68E-02	8.46E-06	2.46E-06	2.73E-02	8.63E-06	2.51E-06	2.73E-02	8.62E-06	2.51E-06
5811	491187.12, 3860143.56	3.73E-02	1.18E-05	3.42E-06	3.81E-02	1.20E-05	3.49E-06	3.80E-02	1.20E-05	3.49E-06
5812	491070.43, 3860075.97	3.46E-02	1.09E-05	3.18E-06	3.53E-02	1.11E-05	3.24E-06	3.53E-02	1.11E-05	3.24E-06
5813	490995.09, 3860039.39	3.24E-02	1.02E-05	2.98E-06	3.31E-02	1.04E-05	3.04E-06	3.31E-02	1.04E-05	3.03E-06
5814	490919.75, 3860002.8	3.26E-02	1.03E-05	2.99E-06	3.33E-02	1.05E-05	3.05E-06	3.32E-02	1.05E-05	3.05E-06
5815	490756.81, 3859894.53	5.60E-02	1.77E-05	5.14E-06	5.72E-02	1.80E-05	5.25E-06	5.71E-02	1.80E-05	5.24E-06
5816	490668.07, 3859860.92	5.36E-02	1.69E-05	4.92E-06	5.47E-02	1.73E-05	5.02E-06	5.46E-02	1.72E-05	5.01E-06
5817	490579.34, 3859827.3	5.35E-02	1.69E-05	4.91E-06	5.46E-02	1.72E-05	5.01E-06	5.45E-02	1.72E-05	5.01E-06
5818	490490.6, 3859793.68	5.09E-02	1.61E-05	4.68E-06	5.20E-02	1.64E-05	4.77E-06	5.19E-02	1.64E-05	4.77E-06
5819	490401.86, 3859760.07	4.92E-02	1.55E-05	4.51E-06	5.02E-02	1.58E-05	4.61E-06	5.01E-02	1.58E-05	4.60E-06
5820	490313.12, 3859726.45	4.88E-02	1.54E-05	4.48E-06	4.98E-02	1.57E-05	4.57E-06	4.97E-02	1.57E-05	4.56E-06
5821	490224.39, 3859692.83	4.81E-02	1.52E-05	4.41E-06	4.91E-02	1.55E-05	4.50E-06	4.90E-02	1.55E-05	4.50E-06
5822	490135.65, 3859659.22	4.70E-02	1.48E-05	4.32E-06	4.80E-02	1.52E-05	4.41E-06	4.80E-02	1.51E-05	4.40E-06
5823	489918.19, 3859559.23	4.60E-02	1.45E-05	4.22E-06	4.69E-02	1.48E-05	4.31E-06	4.69E-02	1.48E-05	4.30E-06
5824	489743.61, 3859486	3.58E-02	1.13E-05	3.29E-06	3.66E-02	1.15E-05	3.36E-06	3.65E-02	1.15E-05	3.35E-06
5825	489660.32, 3859440.27	3.55E-02	1.12E-05	3.26E-06	3.62E-02	1.14E-05	3.32E-06	3.62E-02	1.14E-05	3.32E-06
5826	489577.04, 3859394.53	3.53E-02	1.11E-05	3.24E-06	3.60E-02	1.14E-05	3.31E-06	3.60E-02	1.14E-05	3.30E-06
5827	489493.75, 3859348.8	3.49E-02	1.10E-05	3.20E-06	3.56E-02	1.12E-05	3.27E-06	3.55E-02	1.12E-05	3.26E-06
5828	489321.28, 3859240.02	3.96E-02	1.25E-05	3.64E-06	4.04E-02	1.28E-05	3.71E-06	4.04E-02	1.27E-05	3.71E-06
5829	489235.41, 3859193.96	3.86E-02	1.22E-05	3.54E-06	3.94E-02	1.24E-05	3.62E-06	3.93E-02	1.24E-05	3.61E-06
5830	489149.54, 3859147.89	3.39E-02	1.07E-05	3.12E-06	3.46E-02	1.09E-05	3.18E-06	3.46E-02	1.09E-05	3.18E-06
5831	489063.68, 3859101.82	3.10E-02	9.80E-06	2.85E-06	3.17E-02	1.00E-05	2.91E-06	3.16E-02	9.98E-06	2.90E-06
5832	488977.81, 3859055.75	2.78E-02	8.78E-06	2.55E-06	2.84E-02	8.96E-06	2.61E-06	2.84E-02	8.95E-06	2.60E-06
5833	488891.94, 3859009.69	2.27E-02	7.16E-06	2.08E-06	2.32E-02	7.31E-06	2.13E-06	2.31E-02	7.30E-06	2.12E-06
5834	488808, 3859060.73	1.17E-02	3.69E-06	1.07E-06	1.19E-02	3.77E-06	1.10E-06	1.19E-02	3.76E-06	1.09E-06
5835	488809.93, 3859157.85	9.13E-03	2.88E-06	8.38E-07	9.32E-03	2.94E-06	8.55E-07	9.31E-03	2.94E-06	8.54E-07
5836	488811.86, 3859254.96	7.51E-03	2.37E-06	6.89E-07	7.66E-03	2.42E-06	7.03E-07	7.65E-03	2.41E-06	7.02E-07
5837	488813.78, 3859352.07	6.38E-03	2.02E-06	5.86E-07	6.52E-03	2.06E-06	5.98E-07	6.51E-03	2.05E-06	5.97E-07
5838	488815.71, 3859449.19	5.59E-03	1.76E-06	5.13E-07	5.70E-03	1.80E-06	5.24E-07	5.70E-03	1.80E-06	5.23E-07
5839	488910.04, 3859547.11	5.49E-03	1.73E-06	5.04E-07	5.60E-03	1.77E-06	5.14E-07	5.59E-03	1.77E-06	5.13E-07
5840	489002.45, 3859547.91	6.12E-03	1.93E-06	5.62E-07	6.24E-03	1.97E-06	5.73E-07	6.24E-03	1.97E-06	5.73E-07
5841	489094.85, 3859548.72	6.89E-03	2.17E-06	6.32E-07	7.03E-03	2.22E-06	6.45E-07	7.02E-03	2.22E-06	6.44E-07
5842	489230.05, 3859601.87	7.41E-03	2.34E-06	6.80E-07	7.56E-03	2.39E-06	6.94E-07	7.55E-03	2.38E-06	6.94E-07
5843	489227.52, 3859680.89	6.45E-03	2.03E-06	5.92E-07	6.58E-03	2.08E-06	6.04E-07	6.57E-03	2.07E-06	6.03E-07
5844	489133.47, 3859760.29	5.22E-03	1.65E-06	4.79E-07	5.33E-03	1.68E-06	4.89E-07	5.32E-03	1.68E-06	4.88E-07
5845	489041.96, 3859760.67	4.79E-03	1.51E-06	4.40E-07	4.89E-03	1.54E-06	4.49E-07	4.88E-03	1.54E-06	4.48E-07
5846	488950.45, 3859761.05	4.41E-03	1.39E-06	4.04E-07	4.50E-03	1.42E-06	4.13E-07	4.49E-03	1.42E-06	4.12E-07
5847	488858.94, 3859761.43	4.07E-03	1.29E-06	3.74E-07	4.16E-03	1.31E-06	3.82E-07	4.15E-03	1.31E-06	3.81E-07
5848	488767.43, 3859761.82	3.74E-03	1.18E-06	3.44E-07	3.82E-03	1.21E-06	3.51E-07	3.82E-03	1.20E-06	3.50E-07
5849	488675.92, 3859762.2	3.46E-03	1.09E-06	3.18E-07	3.54E-03	1.12E-06	3.25E-07	3.53E-03	1.11E-06	3.24E-07
5850	488584.41, 3859762.58	3.19E-03	1.01E-06	2.93E-07	3.26E-03	1.03E-06	2.99E-07	3.26E-03	1.03E-06	2.99E-07
5851	488492.9, 3859762.96	2.96E-03	9.34E-07	2.72E-07	3.02E-03	9.53E-07	2.77E-07	3.02E-03	9.52E-07	2.77E-07
5852	488402.76, 3859830.95	2.64E-03	8.35E-07	2.43E-07	2.70E-03	8.52E-07	2.48E-07	2.70E-03	8.51E-07	2.47E-07

5853	488404.14, 3859898.55	2.53E-03	7.99E-07	2.32E-07	2.58E-03	8.15E-07	2.37E-07	2.58E-03	8.14E-07	2.37E-07
5854	488505.18, 3859964.96	2.61E-03	8.23E-07	2.39E-07	2.66E-03	8.40E-07	2.44E-07	2.66E-03	8.39E-07	2.44E-07
5855	488604.85, 3859963.76	2.80E-03	8.83E-07	2.57E-07	2.86E-03	9.01E-07	2.62E-07	2.85E-03	9.00E-07	2.62E-07
5856	488704.51, 3859962.56	3.01E-03	9.50E-07	2.76E-07	3.07E-03	9.69E-07	2.82E-07	3.07E-03	9.68E-07	2.82E-07
5857	488804.18, 3859961.37	3.24E-03	1.02E-06	2.98E-07	3.31E-03	1.04E-06	3.04E-07	3.30E-03	1.04E-06	3.03E-07
5858	488903.85, 3859960.17	3.49E-03	1.10E-06	3.21E-07	3.56E-03	1.12E-06	3.27E-07	3.56E-03	1.12E-06	3.27E-07
5859	489003.52, 3859958.97	3.75E-03	1.18E-06	3.44E-07	3.83E-03	1.21E-06	3.51E-07	3.82E-03	1.21E-06	3.51E-07
5860	489103.18, 3859957.77	4.04E-03	1.27E-06	3.71E-07	4.12E-03	1.30E-06	3.78E-07	4.12E-03	1.30E-06	3.78E-07
5861	489201.48, 3860046.59	3.96E-03	1.25E-06	3.64E-07	4.04E-03	1.28E-06	3.71E-07	4.04E-03	1.27E-06	3.71E-07
5862	489200.11, 3860136.61	3.60E-03	1.14E-06	3.30E-07	3.67E-03	1.16E-06	3.37E-07	3.67E-03	1.16E-06	3.37E-07
5863	489198.74, 3860226.63	3.29E-03	1.04E-06	3.02E-07	3.36E-03	1.06E-06	3.09E-07	3.36E-03	1.06E-06	3.08E-07
5864	489197.38, 3860316.66	3.02E-03	9.54E-07	2.78E-07	3.09E-03	9.74E-07	2.83E-07	3.08E-03	9.73E-07	2.83E-07
5865	489196.01, 3860406.68	2.80E-03	8.83E-07	2.57E-07	2.86E-03	9.01E-07	2.62E-07	2.85E-03	9.00E-07	2.62E-07
5866	489194.64, 3860496.7	2.58E-03	8.15E-07	2.37E-07	2.63E-03	8.31E-07	2.42E-07	2.63E-03	8.30E-07	2.41E-07
5867	489193.27, 3860586.72	2.41E-03	7.59E-07	2.21E-07	2.46E-03	7.75E-07	2.25E-07	2.45E-03	7.74E-07	2.25E-07
5868	489092.02, 3860678.13	2.16E-03	6.80E-07	1.98E-07	2.20E-03	6.94E-07	2.02E-07	2.20E-03	6.93E-07	2.02E-07
5869	488992.13, 3860679.53	2.07E-03	6.53E-07	1.90E-07	2.11E-03	6.67E-07	1.94E-07	2.11E-03	6.66E-07	1.94E-07
5870	488892.25, 3860680.92	1.99E-03	6.29E-07	1.83E-07	2.03E-03	6.42E-07	1.87E-07	2.03E-03	6.41E-07	1.86E-07
5871	488792.36, 3860682.31	1.91E-03	6.04E-07	1.76E-07	1.95E-03	6.17E-07	1.79E-07	1.95E-03	6.16E-07	1.79E-07
5872	488692.48, 3860683.7	1.84E-03	5.82E-07	1.69E-07	1.88E-03	5.94E-07	1.73E-07	1.88E-03	5.93E-07	1.72E-07
5873	488592.59, 3860685.1	1.76E-03	5.57E-07	1.62E-07	1.80E-03	5.68E-07	1.65E-07	1.80E-03	5.68E-07	1.65E-07
5874	488492.71, 3860686.49	1.71E-03	5.39E-07	1.57E-07	1.74E-03	5.50E-07	1.60E-07	1.74E-03	5.49E-07	1.60E-07
5875	488299.07, 3860762.18	1.56E-03	4.92E-07	1.43E-07	1.59E-03	5.02E-07	1.46E-07	1.59E-03	5.01E-07	1.46E-07
5876	488205.32, 3860764.09	1.50E-03	4.72E-07	1.37E-07	1.53E-03	4.82E-07	1.40E-07	1.53E-03	4.81E-07	1.40E-07
5877	488111.56, 3860766	1.43E-03	4.52E-07	1.32E-07	1.46E-03	4.62E-07	1.34E-07	1.46E-03	4.61E-07	1.34E-07
5878	488017.81, 3860767.91	1.37E-03	4.33E-07	1.26E-07	1.40E-03	4.42E-07	1.29E-07	1.40E-03	4.42E-07	1.28E-07
5879	487924.06, 3860769.81	1.32E-03	4.16E-07	1.21E-07	1.35E-03	4.25E-07	1.24E-07	1.34E-03	4.24E-07	1.23E-07
5880	487830.31, 3860771.72	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
5881	487736.55, 3860773.63	1.23E-03	3.87E-07	1.13E-07	1.25E-03	3.95E-07	1.15E-07	1.25E-03	3.95E-07	1.15E-07
5882	487642.8, 3860775.54	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.83E-07	1.11E-07	1.21E-03	3.83E-07	1.11E-07
5883	487549.48, 3860684.71	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.83E-07	1.11E-07	1.21E-03	3.82E-07	1.11E-07
5884	487549.91, 3860591.97	1.22E-03	3.84E-07	1.12E-07	1.24E-03	3.92E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
5885	487550.34, 3860499.23	1.25E-03	3.95E-07	1.15E-07	1.28E-03	4.03E-07	1.17E-07	1.27E-03	4.02E-07	1.17E-07
5886	487550.76, 3860406.49	1.29E-03	4.07E-07	1.18E-07	1.32E-03	4.15E-07	1.21E-07	1.31E-03	4.15E-07	1.21E-07
5887	487551.19, 3860313.75	1.32E-03	4.18E-07	1.22E-07	1.35E-03	4.26E-07	1.24E-07	1.35E-03	4.26E-07	1.24E-07
5888	487551.62, 3860221.01	1.36E-03	4.30E-07	1.25E-07	1.39E-03	4.39E-07	1.28E-07	1.39E-03	4.38E-07	1.28E-07
5889	487552.05, 3860128.27	1.41E-03	4.45E-07	1.30E-07	1.44E-03	4.54E-07	1.32E-07	1.44E-03	4.54E-07	1.32E-07
5890	487552.48, 3860035.53	1.46E-03	4.60E-07	1.34E-07	1.49E-03	4.69E-07	1.36E-07	1.48E-03	4.69E-07	1.36E-07
5891	487552.91, 3859942.79	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.80E-07	1.39E-07	1.52E-03	4.79E-07	1.39E-07
5892	487553.33, 3859850.05	1.54E-03	4.85E-07	1.41E-07	1.57E-03	4.95E-07	1.44E-07	1.57E-03	4.95E-07	1.44E-07
5893	487553.76, 3859757.31	1.58E-03	4.97E-07	1.45E-07	1.61E-03	5.08E-07	1.48E-07	1.61E-03	5.07E-07	1.47E-07
5894	487554.19, 3859664.57	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.19E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
5895	487460.2, 3859571.05	1.55E-03	4.88E-07	1.42E-07	1.58E-03	4.98E-07	1.45E-07	1.58E-03	4.97E-07	1.45E-07
5896	487365.78, 3859570.27	1.47E-03	4.63E-07	1.35E-07	1.50E-03	4.73E-07	1.38E-07	1.50E-03	4.72E-07	1.37E-07
5897	487271.36, 3859569.48	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.42E-03	4.49E-07	1.31E-07
5898	487176.94, 3859568.7	1.33E-03	4.21E-07	1.22E-07	1.36E-03	4.29E-07	1.25E-07	1.36E-03	4.29E-07	1.25E-07
5899	487082.51, 3859567.92	1.28E-03	4.03E-07	1.17E-07	1.30E-03	4.11E-07	1.20E-07	1.30E-03	4.11E-07	1.19E-07
5900	486988.09, 3859567.14	1.22E-03	3.86E-07	1.12E-07	1.25E-03	3.94E-07	1.15E-07	1.25E-03	3.94E-07	1.15E-07
5901	486893.67, 3859566.36	1.18E-03	3.72E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.79E-07	1.10E-07
5902	486799.25, 3859565.58	1.13E-03	3.58E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.16E-03	3.65E-07	1.06E-07
5903	486704.83, 3859564.79	1.09E-03	3.45E-07	1.00E-07	1.12E-03	3.52E-07	1.02E-07	1.12E-03	3.52E-07	1.02E-07
5904	486610.41, 3859564.01	1.06E-03	3.34E-07	9.71E-08	1.08E-03	3.41E-07	9.91E-08	1.08E-03	3.40E-07	9.90E-08
5905	486515.99, 3859563.23	1.02E-03	3.23E-07	9.38E-08	1.04E-03	3.29E-07	9.58E-08	1.04E-03	3.29E-07	9.56E-08
5906	486421.57, 3859562.45	9.91E-04	3.13E-07	9.09E-08	1.01E-03	3.19E-07	9.28E-08	1.01E-03	3.19E-07	9.27E-08
5907	486327.14, 3859561.67	9.62E-04	3.04E-07	8.83E-08	9.82E-04	3.10E-07	9.02E-08	9.81E-04	3.10E-07	9.00E-08
5908	486232.72, 3859560.89	9.34E-04	2.95E-07	8.58E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.01E-07	8.74E-08
5909	486138.3, 3859560.1	9.09E-04	2.87E-07	8.35E-08	9.28E-04	2.93E-07	8.52E-08	9.27E-04	2.92E-07	8.51E-08
5910	486043.88, 3859559.32	8.85E-04	2.79E-07	8.12E-08	9.03E-04	2.85E-07	8.29E-08	9.02E-04	2.85E-07	8.28E-08
5911	485949.35, 3859463.54	8.72E-04	2.75E-07	8.00E-08	8.90E-04	2.81E-07	8.17E-08	8.89E-04	2.80E-07	8.16E-08
5912	485949.24, 3859368.55	8.81E-04	2.78E-07	8.09E-08	8.99E-04	2.84E-07	8.26E-08	8.98E-04	2.84E-07	8.25E-08
5913	485949.12, 3859273.55	8.90E-04	2.81E-07	8.17E-08	9.09E-04	2.87E-07	8.34E-08	9.08E-04	2.86E-07	8.33E-08

5914	485949.01, 3859178.56	8.99E-04	2.84E-07	8.25E-08	9.17E-04	2.90E-07	8.42E-08	9.16E-04	2.89E-07	8.41E-08
5915	485948.9, 3859083.56	9.09E-04	2.87E-07	8.34E-08	9.27E-04	2.93E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
5916	485948.79, 3858988.56	9.17E-04	2.90E-07	8.42E-08	9.36E-04	2.95E-07	8.59E-08	9.35E-04	2.95E-07	8.58E-08
5917	485948.67, 3858893.57	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.66E-08	9.42E-04	2.97E-07	8.65E-08
5918	485948.56, 3858798.57	9.32E-04	2.94E-07	8.55E-08	9.51E-04	3.00E-07	8.73E-08	9.50E-04	3.00E-07	8.72E-08
5919	485948.45, 3858703.58	9.33E-04	2.95E-07	8.57E-08	9.53E-04	3.01E-07	8.74E-08	9.51E-04	3.00E-07	8.73E-08
5920	485948.34, 3858608.58	9.36E-04	2.95E-07	8.59E-08	9.55E-04	3.01E-07	8.76E-08	9.54E-04	3.01E-07	8.75E-08
5921	485948.22, 3858513.59	9.35E-04	2.95E-07	8.58E-08	9.54E-04	3.01E-07	8.76E-08	9.53E-04	3.01E-07	8.75E-08
5922	485948.11, 3858418.59	9.31E-04	2.94E-07	8.54E-08	9.50E-04	3.00E-07	8.72E-08	9.48E-04	2.99E-07	8.71E-08
5923	485948, 3858323.59	9.24E-04	2.92E-07	8.48E-08	9.43E-04	2.98E-07	8.65E-08	9.42E-04	2.97E-07	8.64E-08
5924	485947.89, 3858228.6	9.12E-04	2.88E-07	8.37E-08	9.30E-04	2.94E-07	8.54E-08	9.29E-04	2.93E-07	8.53E-08
5925	485947.77, 3858133.6	8.97E-04	2.83E-07	8.24E-08	9.16E-04	2.89E-07	8.41E-08	9.14E-04	2.89E-07	8.40E-08
5926	485947.66, 3858038.61	8.84E-04	2.79E-07	8.12E-08	9.02E-04	2.85E-07	8.28E-08	9.01E-04	2.84E-07	8.27E-08
5927	485854.54, 3857943.35	8.62E-04	2.72E-07	7.91E-08	8.79E-04	2.77E-07	8.07E-08	8.78E-04	2.77E-07	8.06E-08
5928	485761.52, 3857943.09	8.55E-04	2.70E-07	7.84E-08	8.72E-04	2.75E-07	8.01E-08	8.71E-04	2.75E-07	8.00E-08
5929	485668.51, 3857942.83	8.48E-04	2.68E-07	7.79E-08	8.65E-04	2.73E-07	7.94E-08	8.64E-04	2.73E-07	7.93E-08
5930	485575.5, 3857942.56	8.40E-04	2.65E-07	7.72E-08	8.58E-04	2.71E-07	7.87E-08	8.57E-04	2.70E-07	7.86E-08
5931	485482.48, 3857942.3	8.34E-04	2.63E-07	7.65E-08	8.51E-04	2.68E-07	7.81E-08	8.50E-04	2.68E-07	7.80E-08
5932	485389.47, 3857942.04	8.26E-04	2.61E-07	7.59E-08	8.43E-04	2.66E-07	7.74E-08	8.42E-04	2.66E-07	7.73E-08
5933	485296.46, 3857941.78	8.19E-04	2.58E-07	7.52E-08	8.36E-04	2.64E-07	7.67E-08	8.35E-04	2.63E-07	7.66E-08
5934	485203.45, 3857941.52	8.12E-04	2.56E-07	7.45E-08	8.28E-04	2.61E-07	7.60E-08	8.27E-04	2.61E-07	7.60E-08
5935	485110.43, 3857941.26	8.04E-04	2.54E-07	7.38E-08	8.20E-04	2.59E-07	7.53E-08	8.19E-04	2.59E-07	7.52E-08
5936	485017.42, 3857940.99	7.96E-04	2.51E-07	7.31E-08	8.12E-04	2.56E-07	7.46E-08	8.11E-04	2.56E-07	7.45E-08
5937	484924.41, 3857940.73	7.88E-04	2.49E-07	7.24E-08	8.04E-04	2.54E-07	7.38E-08	8.03E-04	2.54E-07	7.38E-08
5938	484831.39, 3857940.47	7.81E-04	2.47E-07	7.17E-08	7.97E-04	2.52E-07	7.32E-08	7.96E-04	2.51E-07	7.31E-08
5939	484738.12, 3857859.3	7.74E-04	2.44E-07	7.11E-08	7.90E-04	2.49E-07	7.25E-08	7.89E-04	2.49E-07	7.24E-08
5940	484737.85, 3857778.4	7.74E-04	2.44E-07	7.11E-08	7.90E-04	2.49E-07	7.25E-08	7.89E-04	2.49E-07	7.24E-08
5941	484737.59, 3857697.49	7.73E-04	2.44E-07	7.10E-08	7.89E-04	2.49E-07	7.24E-08	7.88E-04	2.49E-07	7.23E-08
5942	484737.32, 3857616.59	7.72E-04	2.44E-07	7.09E-08	7.88E-04	2.49E-07	7.23E-08	7.87E-04	2.48E-07	7.23E-08
5943	484645.53, 3857535.18	7.68E-04	2.42E-07	7.05E-08	7.84E-04	2.47E-07	7.19E-08	7.83E-04	2.47E-07	7.19E-08
5944	484553.99, 3857534.67	7.65E-04	2.41E-07	7.02E-08	7.80E-04	2.46E-07	7.16E-08	7.79E-04	2.46E-07	7.15E-08
5945	484462.46, 3857534.17	7.62E-04	2.40E-07	7.00E-08	7.78E-04	2.45E-07	7.14E-08	7.77E-04	2.45E-07	7.13E-08
5946	484370.93, 3857533.66	7.60E-04	2.40E-07	6.97E-08	7.75E-04	2.45E-07	7.12E-08	7.74E-04	2.44E-07	7.11E-08
5947	484279.4, 3857533.16	7.58E-04	2.39E-07	6.95E-08	7.73E-04	2.44E-07	7.10E-08	7.72E-04	2.44E-07	7.09E-08
5948	484187.86, 3857532.65	7.56E-04	2.38E-07	6.94E-08	7.71E-04	2.43E-07	7.08E-08	7.70E-04	2.43E-07	7.07E-08
5949	484096.33, 3857532.15	7.54E-04	2.38E-07	6.92E-08	7.69E-04	2.43E-07	7.06E-08	7.69E-04	2.43E-07	7.06E-08
5950	484004.8, 3857531.64	7.52E-04	2.37E-07	6.90E-08	7.67E-04	2.42E-07	7.04E-08	7.66E-04	2.42E-07	7.03E-08
5951	483913.27, 3857531.14	7.49E-04	2.36E-07	6.87E-08	7.64E-04	2.41E-07	7.01E-08	7.63E-04	2.41E-07	7.01E-08
5952	483821.73, 3857530.63	7.45E-04	2.35E-07	6.84E-08	7.61E-04	2.40E-07	6.98E-08	7.60E-04	2.40E-07	6.98E-08
5953	483729.61, 3857450.11	7.47E-04	2.36E-07	6.86E-08	7.62E-04	2.41E-07	7.00E-08	7.61E-04	2.40E-07	6.99E-08
5954	483729.03, 3857370.08	7.52E-04	2.37E-07	6.91E-08	7.68E-04	2.42E-07	7.05E-08	7.67E-04	2.42E-07	7.04E-08
5955	483728.44, 3857290.06	7.57E-04	2.39E-07	6.95E-08	7.72E-04	2.44E-07	7.09E-08	7.72E-04	2.44E-07	7.08E-08
5956	483727.86, 3857210.03	7.62E-04	2.40E-07	6.99E-08	7.77E-04	2.45E-07	7.14E-08	7.76E-04	2.45E-07	7.13E-08
5957	483641.15, 3857129.07	7.66E-04	2.42E-07	7.03E-08	7.81E-04	2.47E-07	7.17E-08	7.81E-04	2.46E-07	7.17E-08
5958	483555.03, 3857128.14	7.64E-04	2.41E-07	7.01E-08	7.79E-04	2.46E-07	7.15E-08	7.78E-04	2.46E-07	7.15E-08
5959	483468.91, 3857127.2	7.61E-04	2.40E-07	6.98E-08	7.76E-04	2.45E-07	7.12E-08	7.75E-04	2.45E-07	7.12E-08
5960	483382.78, 3857126.26	7.59E-04	2.39E-07	6.97E-08	7.74E-04	2.44E-07	7.11E-08	7.73E-04	2.44E-07	7.10E-08
5961	483296.66, 3857125.32	7.56E-04	2.39E-07	6.94E-08	7.71E-04	2.43E-07	7.08E-08	7.70E-04	2.43E-07	7.07E-08
5962	483210.54, 3857124.39	7.52E-04	2.37E-07	6.91E-08	7.68E-04	2.42E-07	7.05E-08	7.67E-04	2.42E-07	7.04E-08
5963	483123.4, 3857030.96	7.58E-04	2.39E-07	6.96E-08	7.74E-04	2.44E-07	7.10E-08	7.73E-04	2.44E-07	7.09E-08
5964	483122.38, 3856938.46	7.68E-04	2.42E-07	7.05E-08	7.84E-04	2.47E-07	7.19E-08	7.83E-04	2.47E-07	7.19E-08
5965	483121.35, 3856845.97	7.79E-04	2.46E-07	7.15E-08	7.95E-04	2.51E-07	7.30E-08	7.94E-04	2.51E-07	7.29E-08
5966	483120.33, 3856753.47	7.90E-04	2.49E-07	7.25E-08	8.06E-04	2.54E-07	7.40E-08	8.05E-04	2.54E-07	7.39E-08
5967	483119.31, 3856660.98	8.02E-04	2.53E-07	7.37E-08	8.19E-04	2.58E-07	7.52E-08	8.18E-04	2.58E-07	7.51E-08
5968	483118.29, 3856568.49	8.18E-04	2.58E-07	7.51E-08	8.35E-04	2.63E-07	7.66E-08	8.34E-04	2.63E-07	7.65E-08
5969	483117.26, 3856475.99	8.36E-04	2.64E-07	7.68E-08	8.53E-04	2.69E-07	7.83E-08	8.52E-04	2.69E-07	7.82E-08
5970	483116.24, 3856383.5	8.56E-04	2.70E-07	7.86E-08	8.73E-04	2.76E-07	8.02E-08	8.72E-04	2.75E-07	8.01E-08
5971	483115.22, 3856291.01	8.78E-04	2.77E-07	8.06E-08	8.95E-04	2.83E-07	8.22E-08	8.94E-04	2.82E-07	8.21E-08
5972	483114.2, 3856198.51	9.00E-04	2.84E-07	8.26E-08	9.19E-04	2.90E-07	8.43E-08	9.17E-04	2.90E-07	8.42E-08
5973	483113.17, 3856106.02	9.27E-04	2.93E-07	8.51E-08	9.46E-04	2.99E-07	8.68E-08	9.45E-04	2.98E-07	8.67E-08
5974	483112.15, 3856013.52	9.54E-04	3.01E-07	8.76E-08	9.74E-04	3.07E-07	8.94E-08	9.72E-04	3.07E-07	8.93E-08

5975	483029.25, 3855920.47	9.80E-04	3.09E-07	9.00E-08	1.00E-03	3.16E-07	9.18E-08	9.99E-04	3.15E-07	9.17E-08
5976	482947.37, 3855919.91	9.77E-04	3.08E-07	8.97E-08	9.97E-04	3.15E-07	9.15E-08	9.96E-04	3.14E-07	9.14E-08
5977	482865.49, 3855919.36	9.75E-04	3.08E-07	8.95E-08	9.95E-04	3.14E-07	9.13E-08	9.93E-04	3.14E-07	9.12E-08
5978	482783.61, 3855918.8	9.74E-04	3.08E-07	8.95E-08	9.94E-04	3.14E-07	9.13E-08	9.93E-04	3.13E-07	9.12E-08
5979	482700.33, 3855818.39	1.01E-03	3.18E-07	9.25E-08	1.03E-03	3.24E-07	9.44E-08	1.03E-03	3.24E-07	9.43E-08
5980	482698.92, 3855718.54	1.05E-03	3.30E-07	9.60E-08	1.07E-03	3.37E-07	9.79E-08	1.07E-03	3.36E-07	9.78E-08
5981	482697.52, 3855618.68	1.08E-03	3.42E-07	9.95E-08	1.11E-03	3.49E-07	1.02E-07	1.10E-03	3.49E-07	1.01E-07
5982	482696.11, 3855518.83	1.13E-03	3.56E-07	1.03E-07	1.15E-03	3.63E-07	1.06E-07	1.15E-03	3.63E-07	1.05E-07
5983	482694.71, 3855418.98	1.17E-03	3.70E-07	1.08E-07	1.19E-03	3.77E-07	1.10E-07	1.19E-03	3.77E-07	1.10E-07
5984	482693.3, 3855319.13	1.22E-03	3.85E-07	1.12E-07	1.24E-03	3.92E-07	1.14E-07	1.24E-03	3.92E-07	1.14E-07
5985	482691.9, 3855219.27	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
5986	482690.49, 3855119.42	1.33E-03	4.19E-07	1.22E-07	1.35E-03	4.28E-07	1.24E-07	1.35E-03	4.27E-07	1.24E-07
5987	482689.09, 3855019.57	1.39E-03	4.40E-07	1.28E-07	1.42E-03	4.49E-07	1.31E-07	1.42E-03	4.48E-07	1.30E-07
5988	482687.68, 3854919.72	1.46E-03	4.62E-07	1.34E-07	1.49E-03	4.72E-07	1.37E-07	1.49E-03	4.71E-07	1.37E-07
5989	482686.28, 3854819.86	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
5990	482684.88, 3854720.01	1.64E-03	5.17E-07	1.50E-07	1.67E-03	5.27E-07	1.53E-07	1.67E-03	5.26E-07	1.53E-07
5991	482683.47, 3854620.16	1.74E-03	5.50E-07	1.60E-07	1.78E-03	5.62E-07	1.63E-07	1.78E-03	5.61E-07	1.63E-07
5992	482682.07, 3854520.31	1.86E-03	5.89E-07	1.71E-07	1.90E-03	6.01E-07	1.75E-07	1.90E-03	6.00E-07	1.74E-07
5993	482680.66, 3854420.45	2.01E-03	6.33E-07	1.84E-07	2.05E-03	6.46E-07	1.88E-07	2.04E-03	6.45E-07	1.88E-07
5994	482679.26, 3854320.6	2.17E-03	6.86E-07	1.99E-07	2.22E-03	7.00E-07	2.04E-07	2.21E-03	6.99E-07	2.03E-07
5995	482677.85, 3854220.75	2.38E-03	7.52E-07	2.19E-07	2.43E-03	7.67E-07	2.23E-07	2.43E-03	7.66E-07	2.23E-07
5996	482676.45, 3854120.9	2.63E-03	8.30E-07	2.41E-07	2.68E-03	8.47E-07	2.46E-07	2.68E-03	8.46E-07	2.46E-07
5997	482675.04, 3854021.04	2.95E-03	9.30E-07	2.70E-07	3.01E-03	9.49E-07	2.76E-07	3.00E-03	9.48E-07	2.76E-07
5998	482673.64, 3853921.19	3.36E-03	1.06E-06	3.08E-07	3.43E-03	1.08E-06	3.15E-07	3.42E-03	1.08E-06	3.14E-07
5999	482672.23, 3853821.34	3.98E-03	1.25E-06	3.65E-07	4.06E-03	1.28E-06	3.72E-07	4.05E-03	1.28E-06	3.72E-07
6000	482670.83, 3853721.49	4.94E-03	1.56E-06	4.54E-07	5.04E-03	1.59E-06	4.63E-07	5.04E-03	1.59E-06	4.62E-07
6001	482669.42, 3853621.63	6.57E-03	2.07E-06	6.03E-07	6.70E-03	2.11E-06	6.15E-07	6.69E-03	2.11E-06	6.14E-07
6002	482645.99, 3853446.13	1.28E-02	4.04E-06	1.18E-06	1.31E-02	4.12E-06	1.20E-06	1.30E-02	4.12E-06	1.20E-06
6003	482623.97, 3853370.49	1.53E-02	4.81E-06	1.40E-06	1.56E-02	4.91E-06	1.43E-06	1.55E-02	4.91E-06	1.43E-06
6004	482601.94, 3853294.84	1.73E-02	5.47E-06	1.59E-06	1.77E-02	5.58E-06	1.62E-06	1.77E-02	5.57E-06	1.62E-06
6005	482531.29, 3853133.44	2.08E-02	6.57E-06	1.91E-06	2.12E-02	6.70E-06	1.95E-06	2.12E-02	6.69E-06	1.95E-06
6006	482482.68, 3853047.69	2.32E-02	7.32E-06	2.13E-06	2.37E-02	7.47E-06	2.17E-06	2.36E-02	7.46E-06	2.17E-06
6007	482383.09, 3852897.4	2.89E-02	9.11E-06	2.65E-06	2.95E-02	9.30E-06	2.71E-06	2.94E-02	9.29E-06	2.70E-06
6008	482265.64, 3852765.26	3.09E-02	9.74E-06	2.83E-06	3.15E-02	9.94E-06	2.89E-06	3.14E-02	9.93E-06	2.89E-06
6009	482199.16, 3852697.66	3.08E-02	9.73E-06	2.83E-06	3.15E-02	9.93E-06	2.89E-06	3.14E-02	9.92E-06	2.88E-06
6010	482132.69, 3852630.07	3.10E-02	9.79E-06	2.85E-06	3.16E-02	9.99E-06	2.90E-06	3.16E-02	9.97E-06	2.90E-06
6011	482066.21, 3852562.48	3.08E-02	9.72E-06	2.83E-06	3.14E-02	9.92E-06	2.88E-06	3.14E-02	9.90E-06	2.88E-06
6012	481999.74, 3852494.89	3.02E-02	9.54E-06	2.77E-06	3.08E-02	9.73E-06	2.83E-06	3.08E-02	9.72E-06	2.83E-06
6013	481933.26, 3852427.29	2.95E-02	9.31E-06	2.71E-06	3.01E-02	9.50E-06	2.76E-06	3.01E-02	9.49E-06	2.76E-06
6014	481866.79, 3852359.7	2.93E-02	9.26E-06	2.69E-06	2.99E-02	9.45E-06	2.75E-06	2.99E-02	9.43E-06	2.74E-06
6015	481800.31, 3852292.11	2.92E-02	9.23E-06	2.68E-06	2.98E-02	9.41E-06	2.74E-06	2.98E-02	9.40E-06	2.73E-06
6016	481733.84, 3852224.52	2.90E-02	9.16E-06	2.67E-06	2.96E-02	9.35E-06	2.72E-06	2.96E-02	9.34E-06	2.72E-06
6017	481667.36, 3852156.92	2.96E-02	9.35E-06	2.72E-06	3.02E-02	9.54E-06	2.77E-06	3.02E-02	9.53E-06	2.77E-06
6018	481600.89, 3852089.33	2.93E-02	9.25E-06	2.69E-06	2.99E-02	9.44E-06	2.75E-06	2.99E-02	9.43E-06	2.74E-06
6019	481534.41, 3852021.74	2.91E-02	9.17E-06	2.67E-06	2.97E-02	9.36E-06	2.72E-06	2.96E-02	9.35E-06	2.72E-06
6020	481467.94, 3851954.15	2.93E-02	9.23E-06	2.69E-06	2.98E-02	9.42E-06	2.74E-06	2.98E-02	9.41E-06	2.74E-06
6021	481401.46, 3851886.55	3.01E-02	9.51E-06	2.77E-06	3.08E-02	9.71E-06	2.82E-06	3.07E-02	9.70E-06	2.82E-06
6022	481265.87, 3851761.43	3.08E-02	9.72E-06	2.83E-06	3.14E-02	9.92E-06	2.88E-06	3.14E-02	9.91E-06	2.88E-06
6023	481196.74, 3851703.89	3.14E-02	9.90E-06	2.88E-06	3.20E-02	1.01E-05	2.94E-06	3.20E-02	1.01E-05	2.93E-06
6024	481076.33, 3851619.05	3.15E-02	9.93E-06	2.89E-06	3.21E-02	1.01E-05	2.95E-06	3.21E-02	1.01E-05	2.94E-06
6025	480939.8, 3851549.07	3.00E-02	9.47E-06	2.75E-06	3.06E-02	9.66E-06	2.81E-06	3.06E-02	9.65E-06	2.81E-06
6026	480854.56, 3851506.41	2.99E-02	9.44E-06	2.75E-06	3.05E-02	9.63E-06	2.80E-06	3.05E-02	9.62E-06	2.80E-06
6027	480769.32, 3851463.75	3.03E-02	9.57E-06	2.78E-06	3.09E-02	9.76E-06	2.84E-06	3.09E-02	9.75E-06	2.84E-06
6028	480684.08, 3851421.08	3.08E-02	9.73E-06	2.83E-06	3.15E-02	9.93E-06	2.89E-06	3.14E-02	9.91E-06	2.88E-06
6029	480598.84, 3851378.42	3.07E-02	9.70E-06	2.82E-06	3.14E-02	9.90E-06	2.88E-06	3.13E-02	9.89E-06	2.88E-06
6030	480435.71, 3851275.01	3.64E-02	1.15E-05	3.34E-06	3.71E-02	1.17E-05	3.41E-06	3.71E-02	1.17E-05	3.40E-06
6031	480347.85, 3851232.36	3.62E-02	1.14E-05	3.32E-06	3.69E-02	1.17E-05	3.39E-06	3.69E-02	1.16E-05	3.39E-06
6032	480260, 3851189.72	3.61E-02	1.14E-05	3.32E-06	3.69E-02	1.16E-05	3.38E-06	3.68E-02	1.16E-05	3.38E-06
6033	480172.15, 3851147.07	3.60E-02	1.14E-05	3.31E-06	3.68E-02	1.16E-05	3.38E-06	3.67E-02	1.16E-05	3.37E-06
6034	480084.29, 3851104.42	3.61E-02	1.14E-05	3.32E-06	3.69E-02	1.16E-05	3.38E-06	3.68E-02	1.16E-05	3.38E-06
6035	479996.44, 3851061.77	3.63E-02	1.14E-05	3.33E-06	3.70E-02	1.17E-05	3.40E-06	3.69E-02	1.17E-05	3.39E-06

6036 479908.58, 3851019.13	3.79E-02	1.20E-05	3.48E-06	3.87E-02	1.22E-05	3.55E-06	3.86E-02	1.22E-05	3.55E-06
6037 479820.73, 3850976.48	3.79E-02	1.19E-05	3.48E-06	3.86E-02	1.22E-05	3.55E-06	3.86E-02	1.22E-05	3.54E-06
6038 479732.88, 3850933.83	3.79E-02	1.20E-05	3.48E-06	3.87E-02	1.22E-05	3.55E-06	3.86E-02	1.22E-05	3.55E-06
6039 479645.02, 3850891.18	3.80E-02	1.20E-05	3.48E-06	3.87E-02	1.22E-05	3.56E-06	3.87E-02	1.22E-05	3.55E-06
6040 479557.17, 3850848.54	3.76E-02	1.19E-05	3.46E-06	3.84E-02	1.21E-05	3.53E-06	3.84E-02	1.21E-05	3.52E-06
6041 479469.32, 3850805.89	3.86E-02	1.22E-05	3.54E-06	3.93E-02	1.24E-05	3.61E-06	3.93E-02	1.24E-05	3.61E-06
6042 479381.46, 3850763.24	3.81E-02	1.20E-05	3.50E-06	3.89E-02	1.23E-05	3.57E-06	3.89E-02	1.23E-05	3.57E-06
6043 479293.61, 3850720.59	3.71E-02	1.17E-05	3.40E-06	3.78E-02	1.19E-05	3.47E-06	3.78E-02	1.19E-05	3.47E-06
6044 479205.76, 3850677.95	3.62E-02	1.14E-05	3.33E-06	3.70E-02	1.17E-05	3.39E-06	3.69E-02	1.17E-05	3.39E-06
6045 479117.9, 3850635.3	3.47E-02	1.10E-05	3.19E-06	3.54E-02	1.12E-05	3.25E-06	3.54E-02	1.12E-05	3.25E-06
6046 479030.05, 3850592.65	3.38E-02	1.07E-05	3.11E-06	3.45E-02	1.09E-05	3.17E-06	3.45E-02	1.09E-05	3.17E-06
6047 478942.19, 3850550	3.45E-02	1.09E-05	3.17E-06	3.53E-02	1.11E-05	3.24E-06	3.52E-02	1.11E-05	3.23E-06
6048 478854.34, 3850507.36	3.81E-02	1.20E-05	3.50E-06	3.89E-02	1.23E-05	3.57E-06	3.89E-02	1.23E-05	3.57E-06
6049 478766.49, 3850464.71	3.88E-02	1.22E-05	3.56E-06	3.96E-02	1.25E-05	3.63E-06	3.95E-02	1.25E-05	3.63E-06
6050 478678.63, 3850422.06	3.88E-02	1.23E-05	3.56E-06	3.96E-02	1.25E-05	3.64E-06	3.96E-02	1.25E-05	3.63E-06
6051 478590.78, 3850379.41	3.91E-02	1.23E-05	3.59E-06	3.99E-02	1.26E-05	3.67E-06	3.99E-02	1.26E-05	3.66E-06
6052 478502.93, 3850336.77	3.90E-02	1.23E-05	3.58E-06	3.98E-02	1.26E-05	3.65E-06	3.97E-02	1.25E-05	3.65E-06
6053 478415.07, 3850294.12	3.85E-02	1.22E-05	3.54E-06	3.93E-02	1.24E-05	3.61E-06	3.93E-02	1.24E-05	3.61E-06
6054 478327.22, 3850251.47	3.91E-02	1.23E-05	3.59E-06	3.99E-02	1.26E-05	3.66E-06	3.98E-02	1.26E-05	3.66E-06
6055 478239.36, 3850208.82	3.94E-02	1.24E-05	3.61E-06	4.02E-02	1.27E-05	3.69E-06	4.01E-02	1.27E-05	3.68E-06
6056 478151.51, 3850166.18	3.95E-02	1.25E-05	3.63E-06	4.03E-02	1.27E-05	3.70E-06	4.03E-02	1.27E-05	3.70E-06
6057 478063.66, 3850123.53	3.97E-02	1.25E-05	3.65E-06	4.05E-02	1.28E-05	3.72E-06	4.05E-02	1.28E-05	3.72E-06
6058 477975.8, 3850080.88	3.77E-02	1.19E-05	3.46E-06	3.85E-02	1.22E-05	3.53E-06	3.85E-02	1.21E-05	3.53E-06
6059 477887.95, 3850038.23	3.74E-02	1.18E-05	3.43E-06	3.82E-02	1.20E-05	3.50E-06	3.81E-02	1.20E-05	3.50E-06
6060 477800.1, 3849995.59	3.66E-02	1.16E-05	3.36E-06	3.73E-02	1.18E-05	3.43E-06	3.73E-02	1.18E-05	3.42E-06
6061 477712.24, 3849952.94	3.68E-02	1.16E-05	3.37E-06	3.75E-02	1.18E-05	3.44E-06	3.75E-02	1.18E-05	3.44E-06
6062 477624.39, 3849910.29	3.67E-02	1.16E-05	3.36E-06	3.74E-02	1.18E-05	3.43E-06	3.74E-02	1.18E-05	3.43E-06
6063 477536.54, 3849867.64	3.60E-02	1.14E-05	3.30E-06	3.67E-02	1.16E-05	3.37E-06	3.67E-02	1.16E-05	3.37E-06
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6065 477360.83, 3849782.35	3.57E-02	1.13E-05	3.28E-06	3.64E-02	1.15E-05	3.34E-06	3.64E-02	1.15E-05	3.34E-06
6066 477272.97, 3849739.7	3.56E-02	1.12E-05	3.27E-06	3.63E-02	1.15E-05	3.33E-06	3.63E-02	1.15E-05	3.33E-06
6067 477185.12, 3849697.05	3.54E-02	1.12E-05	3.25E-06	3.62E-02	1.14E-05	3.32E-06	3.61E-02	1.14E-05	3.32E-06
6068 477097.27, 3849654.41	3.58E-02	1.13E-05	3.29E-06	3.66E-02	1.15E-05	3.36E-06	3.65E-02	1.15E-05	3.35E-06
6069 477009.41, 3849611.76	3.74E-02	1.18E-05	3.44E-06	3.82E-02	1.21E-05	3.51E-06	3.82E-02	1.20E-05	3.50E-06
6070 476841.49, 3849530.08	3.84E-02	1.21E-05	3.53E-06	3.92E-02	1.24E-05	3.60E-06	3.92E-02	1.24E-05	3.60E-06
6071 476761.41, 3849491.05	3.88E-02	1.22E-05	3.56E-06	3.96E-02	1.25E-05	3.64E-06	3.95E-02	1.25E-05	3.63E-06
6072 476681.34, 3849452.02	4.05E-02	1.28E-05	3.72E-06	4.13E-02	1.30E-05	3.79E-06	4.13E-02	1.30E-05	3.79E-06
6073 476601.26, 3849412.99	4.39E-02	1.39E-05	4.03E-06	4.48E-02	1.41E-05	4.12E-06	4.48E-02	1.41E-05	4.11E-06
6074 476456.32, 3849353.67	5.26E-02	1.66E-05	4.83E-06	5.36E-02	1.69E-05	4.92E-06	5.36E-02	1.69E-05	4.92E-06
6075 476305.43, 3849318.84	4.99E-02	1.58E-05	4.58E-06	5.09E-02	1.61E-05	4.68E-06	5.09E-02	1.61E-05	4.67E-06
6076 476129.36, 3849289.99	4.91E-02	1.55E-05	4.51E-06	5.02E-02	1.58E-05	4.60E-06	5.01E-02	1.58E-05	4.60E-06
6077 476039.31, 3849275.68	4.81E-02	1.52E-05	4.42E-06	4.91E-02	1.55E-05	4.51E-06	4.91E-02	1.55E-05	4.50E-06
6078 475949.26, 3849261.38	5.00E-02	1.58E-05	4.59E-06	5.10E-02	1.61E-05	4.68E-06	5.10E-02	1.61E-05	4.68E-06
6079 475859.21, 3849247.08	4.81E-02	1.52E-05	4.42E-06	4.91E-02	1.55E-05	4.51E-06	4.90E-02	1.55E-05	4.50E-06
6080 475769.16, 3849232.77	4.63E-02	1.46E-05	4.25E-06	4.73E-02	1.49E-05	4.34E-06	4.72E-02	1.49E-05	4.33E-06
6081 475585.23, 3849219.27	2.52E-02	7.97E-06	2.32E-06	2.58E-02	8.13E-06	2.36E-06	2.57E-02	8.12E-06	2.36E-06
6082 475444.5, 3849150.35	4.78E-02	1.51E-05	4.39E-06	4.88E-02	1.54E-05	4.48E-06	4.87E-02	1.54E-05	4.47E-06
6083 475334.18, 3849118.71	3.60E-02	1.14E-05	3.31E-06	3.68E-02	1.16E-05	3.38E-06	3.67E-02	1.16E-05	3.37E-06
6084 475230.47, 3849060.57	3.62E-02	1.14E-05	3.32E-06	3.69E-02	1.16E-05	3.39E-06	3.68E-02	1.16E-05	3.38E-06
6085 475110.86, 3848960.97	4.32E-02	1.36E-05	3.97E-06	4.41E-02	1.39E-05	4.05E-06	4.40E-02	1.39E-05	4.04E-06
6086 475037.79, 3848896.28	4.49E-02	1.42E-05	4.13E-06	4.59E-02	1.45E-05	4.21E-06	4.58E-02	1.45E-05	4.20E-06
6087 474964.72, 3848831.59	4.65E-02	1.47E-05	4.27E-06	4.74E-02	1.50E-05	4.35E-06	4.74E-02	1.49E-05	4.35E-06
6088 474891.65, 3848766.9	4.63E-02	1.46E-05	4.25E-06	4.73E-02	1.49E-05	4.34E-06	4.72E-02	1.49E-05	4.34E-06
6089 474818.58, 3848702.22	4.67E-02	1.47E-05	4.29E-06	4.77E-02	1.50E-05	4.38E-06	4.76E-02	1.50E-05	4.37E-06
6090 474745.51, 3848637.53	4.22E-02	1.33E-05	3.87E-06	4.31E-02	1.36E-05	3.95E-06	4.30E-02	1.36E-05	3.95E-06
6091 474672.44, 3848572.84	4.16E-02	1.31E-05	3.82E-06	4.24E-02	1.34E-05	3.90E-06	4.24E-02	1.34E-05	3.89E-06
6092 474599.37, 3848508.15	4.28E-02	1.35E-05	3.93E-06	4.37E-02	1.38E-05	4.01E-06	4.36E-02	1.38E-05	4.00E-06
6093 474526.3, 3848443.46	4.26E-02	1.34E-05	3.91E-06	4.35E-02	1.37E-05	3.99E-06	4.34E-02	1.37E-05	3.99E-06

Leads - Worker Risk

		2028 RD			2033 RD			2048 RD		
Rec#	X, Y	Concentra	Dose	Risk	Concentra	Dose	Risk	Concentra	Dose	Risk
1	485973.61, 3854936.51	1.18E-03	1.87E-07	6.50E-08	1.21E-03	1.90E-07	6.64E-08	1.21E-03	1.90E-07	6.63E-08
2	486023.61, 3854936.51	1.18E-03	1.85E-07	6.46E-08	1.20E-03	1.89E-07	6.59E-08	1.20E-03	1.89E-07	6.58E-08
3	486073.61, 3854936.51	1.17E-03	1.85E-07	6.45E-08	1.20E-03	1.89E-07	6.58E-08	1.20E-03	1.89E-07	6.57E-08
4	486123.61, 3854936.51	1.16E-03	1.82E-07	6.36E-08	1.18E-03	1.86E-07	6.49E-08	1.18E-03	1.86E-07	6.48E-08
5	486173.61, 3854936.51	1.16E-03	1.83E-07	6.38E-08	1.19E-03	1.87E-07	6.51E-08	1.18E-03	1.87E-07	6.50E-08
6	486223.61, 3854936.51	1.15E-03	1.82E-07	6.33E-08	1.18E-03	1.85E-07	6.46E-08	1.18E-03	1.85E-07	6.45E-08
7	486273.61, 3854936.51	1.15E-03	1.81E-07	6.31E-08	1.17E-03	1.85E-07	6.44E-08	1.17E-03	1.85E-07	6.43E-08
8	486323.61, 3854936.51	1.15E-03	1.81E-07	6.29E-08	1.17E-03	1.84E-07	6.42E-08	1.17E-03	1.84E-07	6.41E-08
9	485973.61, 3854986.51	1.17E-03	1.85E-07	6.43E-08	1.20E-03	1.88E-07	6.56E-08	1.19E-03	1.88E-07	6.55E-08
10	486023.61, 3854986.51	1.17E-03	1.84E-07	6.40E-08	1.19E-03	1.88E-07	6.53E-08	1.19E-03	1.87E-07	6.53E-08
11	486073.61, 3854986.51	1.16E-03	1.83E-07	6.36E-08	1.18E-03	1.86E-07	6.49E-08	1.18E-03	1.86E-07	6.48E-08
12	486123.61, 3854986.51	1.15E-03	1.81E-07	6.32E-08	1.17E-03	1.85E-07	6.45E-08	1.17E-03	1.85E-07	6.44E-08
13	486173.61, 3854986.51	1.15E-03	1.81E-07	6.31E-08	1.17E-03	1.85E-07	6.44E-08	1.17E-03	1.85E-07	6.43E-08
14	486223.61, 3854986.51	1.14E-03	1.80E-07	6.26E-08	1.16E-03	1.83E-07	6.39E-08	1.16E-03	1.83E-07	6.38E-08
15	486273.61, 3854986.51	1.13E-03	1.78E-07	6.21E-08	1.15E-03	1.82E-07	6.33E-08	1.15E-03	1.82E-07	6.32E-08
16	486323.61, 3854986.51	1.14E-03	1.79E-07	6.24E-08	1.16E-03	1.83E-07	6.36E-08	1.16E-03	1.82E-07	6.36E-08
17	485973.61, 3855036.51	1.16E-03	1.83E-07	6.37E-08	1.18E-03	1.86E-07	6.50E-08	1.18E-03	1.86E-07	6.49E-08
18	486023.61, 3855036.51	1.15E-03	1.82E-07	6.33E-08	1.18E-03	1.85E-07	6.46E-08	1.18E-03	1.85E-07	6.45E-08
19	486073.61, 3855036.51	1.14E-03	1.80E-07	6.27E-08	1.17E-03	1.84E-07	6.40E-08	1.16E-03	1.83E-07	6.39E-08
20	486123.61, 3855036.51	1.14E-03	1.79E-07	6.24E-08	1.16E-03	1.83E-07	6.36E-08	1.16E-03	1.82E-07	6.36E-08
21	486173.61, 3855036.51	1.14E-03	1.79E-07	6.23E-08	1.16E-03	1.83E-07	6.36E-08	1.16E-03	1.82E-07	6.35E-08
22	486223.61, 3855036.51	1.13E-03	1.77E-07	6.17E-08	1.15E-03	1.81E-07	6.30E-08	1.15E-03	1.81E-07	6.29E-08
23	486273.61, 3855036.51	1.13E-03	1.77E-07	6.18E-08	1.15E-03	1.81E-07	6.31E-08	1.15E-03	1.81E-07	6.30E-08
24	486323.61, 3855036.51	1.12E-03	1.76E-07	6.14E-08	1.14E-03	1.80E-07	6.27E-08	1.14E-03	1.80E-07	6.26E-08
25	485973.61, 3855086.51	1.15E-03	1.80E-07	6.29E-08	1.17E-03	1.84E-07	6.41E-08	1.17E-03	1.84E-07	6.41E-08
26	486023.61, 3855086.51	1.14E-03	1.80E-07	6.27E-08	1.17E-03	1.84E-07	6.40E-08	1.16E-03	1.83E-07	6.39E-08
27	486073.61, 3855086.51	1.13E-03	1.78E-07	6.21E-08	1.15E-03	1.82E-07	6.34E-08	1.15E-03	1.82E-07	6.33E-08
28	486123.61, 3855086.51	1.13E-03	1.78E-07	6.19E-08	1.15E-03	1.81E-07	6.32E-08	1.15E-03	1.81E-07	6.31E-08
29	486173.61, 3855086.51	1.12E-03	1.76E-07	6.14E-08	1.14E-03	1.80E-07	6.27E-08	1.14E-03	1.80E-07	6.26E-08
30	486223.61, 3855086.51	1.12E-03	1.76E-07	6.12E-08	1.14E-03	1.79E-07	6.25E-08	1.14E-03	1.79E-07	6.24E-08
31	485973.61, 3855136.51	1.13E-03	1.79E-07	6.23E-08	1.16E-03	1.82E-07	6.35E-08	1.16E-03	1.82E-07	6.35E-08
32	486023.61, 3855136.51	1.13E-03	1.78E-07	6.20E-08	1.15E-03	1.81E-07	6.32E-08	1.15E-03	1.81E-07	6.31E-08
33	486073.61, 3855136.51	1.12E-03	1.77E-07	6.16E-08	1.14E-03	1.80E-07	6.28E-08	1.14E-03	1.80E-07	6.28E-08
34	486123.61, 3855136.51	1.12E-03	1.76E-07	6.13E-08	1.14E-03	1.80E-07	6.25E-08	1.14E-03	1.79E-07	6.25E-08
35	486173.61, 3855136.51	1.11E-03	1.75E-07	6.09E-08	1.13E-03	1.78E-07	6.21E-08	1.13E-03	1.78E-07	6.21E-08
36	486223.61, 3855136.51	1.10E-03	1.74E-07	6.06E-08	1.13E-03	1.77E-07	6.18E-08	1.13E-03	1.77E-07	6.17E-08
37	485973.61, 3855186.51	1.12E-03	1.77E-07	6.17E-08	1.15E-03	1.81E-07	6.30E-08	1.15E-03	1.80E-07	6.29E-08
38	486023.61, 3855186.51	1.12E-03	1.76E-07	6.14E-08	1.14E-03	1.80E-07	6.27E-08	1.14E-03	1.80E-07	6.26E-08
39	486073.61, 3855186.51	1.11E-03	1.75E-07	6.09E-08	1.13E-03	1.78E-07	6.21E-08	1.13E-03	1.78E-07	6.21E-08
40	486123.61, 3855186.51	1.10E-03	1.73E-07	6.04E-08	1.12E-03	1.77E-07	6.16E-08	1.12E-03	1.77E-07	6.16E-08
41	486173.61, 3855186.51	1.10E-03	1.73E-07	6.01E-08	1.12E-03	1.76E-07	6.13E-08	1.12E-03	1.76E-07	6.13E-08
42	486223.61, 3855186.51	1.09E-03	1.72E-07	5.98E-08	1.11E-03	1.75E-07	6.10E-08	1.11E-03	1.75E-07	6.10E-08
43	486273.61, 3855186.51	1.08E-03	1.71E-07	5.94E-08	1.11E-03	1.74E-07	6.06E-08	1.10E-03	1.74E-07	6.06E-08
44	486323.61, 3855186.51	1.09E-03	1.72E-07	5.99E-08	1.11E-03	1.75E-07	6.11E-08	1.11E-03	1.75E-07	6.10E-08
45	485973.61, 3855236.51	1.11E-03	1.75E-07	6.10E-08	1.13E-03	1.79E-07	6.23E-08	1.13E-03	1.79E-07	6.22E-08
46	486023.61, 3855236.51	1.10E-03	1.74E-07	6.06E-08	1.13E-03	1.77E-07	6.18E-08	1.12E-03	1.77E-07	6.17E-08
47	486073.61, 3855236.51	1.09E-03	1.72E-07	6.00E-08	1.12E-03	1.76E-07	6.13E-08	1.11E-03	1.76E-07	6.12E-08
48	486123.61, 3855236.51	1.09E-03	1.71E-07	5.97E-08	1.11E-03	1.75E-07	6.09E-08	1.11E-03	1.75E-07	6.08E-08
49	486173.61, 3855236.51	1.08E-03	1.71E-07	5.94E-08	1.10E-03	1.74E-07	6.06E-08	1.10E-03	1.74E-07	6.06E-08
50	486223.61, 3855236.51	1.08E-03	1.70E-07	5.91E-08	1.10E-03	1.73E-07	6.03E-08	1.10E-03	1.73E-07	6.02E-08
51	486273.61, 3855236.51	1.06E-03	1.67E-07	5.83E-08	1.08E-03	1.71E-07	5.95E-08	1.08E-03	1.71E-07	5.95E-08
52	486323.61, 3855236.51	1.08E-03	1.70E-07	5.91E-08	1.10E-03	1.73E-07	6.03E-08	1.10E-03	1.73E-07	6.03E-08
53	485973.61, 3855286.51	1.10E-03	1.73E-07	6.04E-08	1.12E-03	1.77E-07	6.16E-08	1.12E-03	1.77E-07	6.15E-08
54	486023.61, 3855286.51	1.09E-03	1.72E-07	5.98E-08	1.11E-03	1.75E-07	6.10E-08	1.11E-03	1.75E-07	6.10E-08
55	486073.61, 3855286.51	1.08E-03	1.70E-07	5.94E-08	1.10E-03	1.74E-07	6.06E-08	1.10E-03	1.74E-07	6.05E-08
56	486123.61, 3855286.51	1.07E-03	1.69E-07	5.89E-08	1.10E-03	1.73E-07	6.01E-08	1.09E-03	1.72E-07	6.00E-08
57	486173.61, 3855286.51	1.07E-03	1.68E-07	5.85E-08	1.09E-03	1.71E-07	5.97E-08	1.09E-03	1.71E-07	5.96E-08
58	486223.61, 3855286.51	1.06E-03	1.67E-07	5.83E-08	1.08E-03	1.71E-07	5.95E-08	1.08E-03	1.71E-07	5.94E-08

59	486123.61, 3855336.51	1.06E-03	1.67E-07	5.82E-08	1.08E-03	1.70E-07	5.93E-08	1.08E-03	1.70E-07	5.93E-08
60	486173.61, 3855336.51	1.05E-03	1.66E-07	5.79E-08	1.08E-03	1.70E-07	5.91E-08	1.07E-03	1.69E-07	5.90E-08
61	486223.61, 3855336.51	1.05E-03	1.65E-07	5.76E-08	1.07E-03	1.69E-07	5.87E-08	1.07E-03	1.68E-07	5.87E-08
62	486123.61, 3855386.51	1.05E-03	1.65E-07	5.75E-08	1.07E-03	1.68E-07	5.87E-08	1.07E-03	1.68E-07	5.86E-08
63	486173.61, 3855386.51	1.04E-03	1.64E-07	5.72E-08	1.06E-03	1.68E-07	5.84E-08	1.06E-03	1.67E-07	5.83E-08
64	486223.61, 3855386.51	1.04E-03	1.63E-07	5.69E-08	1.06E-03	1.67E-07	5.81E-08	1.06E-03	1.67E-07	5.80E-08
65	486533.18, 3855443.15	1.01E-03	1.59E-07	5.53E-08	1.03E-03	1.62E-07	5.65E-08	1.03E-03	1.62E-07	5.64E-08
66	486583.18, 3855443.15	1.00E-03	1.58E-07	5.51E-08	1.02E-03	1.61E-07	5.62E-08	1.02E-03	1.61E-07	5.62E-08
67	486633.18, 3855443.15	9.99E-04	1.57E-07	5.49E-08	1.02E-03	1.61E-07	5.60E-08	1.02E-03	1.60E-07	5.59E-08
68	486683.18, 3855443.15	9.98E-04	1.57E-07	5.48E-08	1.02E-03	1.60E-07	5.59E-08	1.02E-03	1.60E-07	5.58E-08
69	486533.18, 3855493.15	9.96E-04	1.57E-07	5.47E-08	1.02E-03	1.60E-07	5.58E-08	1.02E-03	1.60E-07	5.57E-08
70	486583.18, 3855493.15	9.93E-04	1.56E-07	5.45E-08	1.01E-03	1.60E-07	5.56E-08	1.01E-03	1.59E-07	5.55E-08
71	486633.18, 3855493.15	9.89E-04	1.56E-07	5.43E-08	1.01E-03	1.59E-07	5.54E-08	1.01E-03	1.59E-07	5.53E-08
72	486683.18, 3855493.15	9.85E-04	1.55E-07	5.41E-08	1.01E-03	1.58E-07	5.52E-08	1.00E-03	1.58E-07	5.51E-08
73	486533.18, 3855543.15	9.86E-04	1.55E-07	5.41E-08	1.01E-03	1.58E-07	5.52E-08	1.00E-03	1.58E-07	5.52E-08
74	486583.18, 3855543.15	9.80E-04	1.54E-07	5.38E-08	1.00E-03	1.57E-07	5.49E-08	9.99E-04	1.57E-07	5.48E-08
75	486633.18, 3855543.15	9.77E-04	1.54E-07	5.36E-08	9.97E-04	1.57E-07	5.47E-08	9.96E-04	1.57E-07	5.46E-08
76	486683.18, 3855543.15	9.70E-04	1.53E-07	5.32E-08	9.90E-04	1.56E-07	5.43E-08	9.88E-04	1.56E-07	5.42E-08
77	486533.18, 3855593.15	9.74E-04	1.53E-07	5.34E-08	9.94E-04	1.57E-07	5.45E-08	9.93E-04	1.56E-07	5.45E-08
78	486583.18, 3855593.15	9.69E-04	1.53E-07	5.32E-08	9.89E-04	1.56E-07	5.43E-08	9.88E-04	1.56E-07	5.42E-08
79	486633.18, 3855593.15	9.65E-04	1.52E-07	5.30E-08	9.85E-04	1.55E-07	5.41E-08	9.84E-04	1.55E-07	5.40E-08
80	486683.18, 3855593.15	9.63E-04	1.52E-07	5.28E-08	9.82E-04	1.55E-07	5.39E-08	9.81E-04	1.55E-07	5.38E-08
81	486533.18, 3855643.15	9.63E-04	1.52E-07	5.29E-08	9.83E-04	1.55E-07	5.39E-08	9.82E-04	1.55E-07	5.39E-08
82	486583.18, 3855643.15	9.59E-04	1.51E-07	5.27E-08	9.79E-04	1.54E-07	5.37E-08	9.78E-04	1.54E-07	5.37E-08
83	486633.18, 3855643.15	9.55E-04	1.50E-07	5.24E-08	9.75E-04	1.54E-07	5.35E-08	9.74E-04	1.53E-07	5.34E-08
84	486683.18, 3855643.15	9.52E-04	1.50E-07	5.22E-08	9.71E-04	1.53E-07	5.33E-08	9.70E-04	1.53E-07	5.32E-08
85	486533.18, 3855693.15	9.55E-04	1.50E-07	5.24E-08	9.75E-04	1.54E-07	5.35E-08	9.74E-04	1.53E-07	5.34E-08
86	486583.18, 3855693.15	9.48E-04	1.49E-07	5.20E-08	9.68E-04	1.52E-07	5.31E-08	9.66E-04	1.52E-07	5.30E-08
87	486633.18, 3855693.15	9.41E-04	1.48E-07	5.16E-08	9.60E-04	1.51E-07	5.27E-08	9.59E-04	1.51E-07	5.26E-08
88	486683.18, 3855693.15	9.41E-04	1.48E-07	5.17E-08	9.60E-04	1.51E-07	5.27E-08	9.59E-04	1.51E-07	5.26E-08
89	486733.18, 3855693.15	9.45E-04	1.49E-07	5.18E-08	9.64E-04	1.52E-07	5.29E-08	9.63E-04	1.52E-07	5.28E-08
90	486783.18, 3855693.15	9.50E-04	1.50E-07	5.21E-08	9.69E-04	1.53E-07	5.32E-08	9.68E-04	1.52E-07	5.31E-08
91	486533.18, 3855743.15	9.46E-04	1.49E-07	5.19E-08	9.65E-04	1.52E-07	5.30E-08	9.64E-04	1.52E-07	5.29E-08
92	486583.18, 3855743.15	9.36E-04	1.47E-07	5.14E-08	9.55E-04	1.50E-07	5.24E-08	9.54E-04	1.50E-07	5.24E-08
93	486633.18, 3855743.15	9.31E-04	1.47E-07	5.11E-08	9.50E-04	1.50E-07	5.22E-08	9.49E-04	1.50E-07	5.21E-08
94	486683.18, 3855743.15	9.34E-04	1.47E-07	5.12E-08	9.53E-04	1.50E-07	5.23E-08	9.52E-04	1.50E-07	5.22E-08
95	486733.18, 3855743.15	9.33E-04	1.47E-07	5.12E-08	9.53E-04	1.50E-07	5.23E-08	9.51E-04	1.50E-07	5.22E-08
96	486783.18, 3855743.15	9.40E-04	1.48E-07	5.16E-08	9.59E-04	1.51E-07	5.27E-08	9.58E-04	1.51E-07	5.26E-08
97	486533.18, 3855793.15	9.38E-04	1.48E-07	5.15E-08	9.57E-04	1.51E-07	5.25E-08	9.56E-04	1.51E-07	5.24E-08
98	486583.18, 3855793.15	9.24E-04	1.46E-07	5.07E-08	9.43E-04	1.48E-07	5.17E-08	9.42E-04	1.48E-07	5.17E-08
99	486633.18, 3855793.15	9.25E-04	1.46E-07	5.08E-08	9.44E-04	1.49E-07	5.18E-08	9.43E-04	1.49E-07	5.18E-08
100	486683.18, 3855793.15	9.28E-04	1.46E-07	5.09E-08	9.47E-04	1.49E-07	5.19E-08	9.45E-04	1.49E-07	5.19E-08
101	486733.18, 3855793.15	9.28E-04	1.46E-07	5.10E-08	9.47E-04	1.49E-07	5.20E-08	9.46E-04	1.49E-07	5.19E-08
102	486783.18, 3855793.15	9.30E-04	1.47E-07	5.11E-08	9.49E-04	1.50E-07	5.21E-08	9.48E-04	1.49E-07	5.20E-08
103	486533.18, 3855843.15	9.27E-04	1.46E-07	5.09E-08	9.46E-04	1.49E-07	5.19E-08	9.45E-04	1.49E-07	5.19E-08
104	486583.18, 3855843.15	9.17E-04	1.44E-07	5.03E-08	9.36E-04	1.47E-07	5.14E-08	9.35E-04	1.47E-07	5.13E-08
105	486633.18, 3855843.15	9.18E-04	1.45E-07	5.04E-08	9.37E-04	1.48E-07	5.14E-08	9.36E-04	1.47E-07	5.14E-08
106	486683.18, 3855843.15	9.20E-04	1.45E-07	5.05E-08	9.39E-04	1.48E-07	5.15E-08	9.38E-04	1.48E-07	5.15E-08
107	486733.18, 3855843.15	9.22E-04	1.45E-07	5.06E-08	9.41E-04	1.48E-07	5.16E-08	9.39E-04	1.48E-07	5.16E-08
108	486783.18, 3855843.15	9.23E-04	1.45E-07	5.07E-08	9.42E-04	1.48E-07	5.17E-08	9.41E-04	1.48E-07	5.16E-08
109	486533.18, 3855893.15	9.13E-04	1.44E-07	5.01E-08	9.32E-04	1.47E-07	5.12E-08	9.31E-04	1.47E-07	5.11E-08
110	486583.18, 3855893.15	9.13E-04	1.44E-07	5.01E-08	9.31E-04	1.47E-07	5.11E-08	9.30E-04	1.47E-07	5.10E-08
111	486633.18, 3855893.15	9.12E-04	1.44E-07	5.00E-08	9.30E-04	1.47E-07	5.11E-08	9.29E-04	1.46E-07	5.10E-08
112	486683.18, 3855893.15	9.13E-04	1.44E-07	5.01E-08	9.32E-04	1.47E-07	5.11E-08	9.30E-04	1.47E-07	5.11E-08
113	486733.18, 3855893.15	9.14E-04	1.44E-07	5.02E-08	9.33E-04	1.47E-07	5.12E-08	9.32E-04	1.47E-07	5.11E-08
114	486783.18, 3855893.15	9.17E-04	1.44E-07	5.03E-08	9.36E-04	1.47E-07	5.14E-08	9.35E-04	1.47E-07	5.13E-08
115	486533.18, 3855943.15	9.07E-04	1.43E-07	4.98E-08	9.26E-04	1.46E-07	5.08E-08	9.25E-04	1.46E-07	5.08E-08
116	486583.18, 3855943.15	9.09E-04	1.43E-07	4.99E-08	9.27E-04	1.46E-07	5.09E-08	9.26E-04	1.46E-07	5.08E-08
117	486633.18, 3855943.15	9.06E-04	1.43E-07	4.97E-08	9.25E-04	1.46E-07	5.08E-08	9.24E-04	1.46E-07	5.07E-08
118	486683.18, 3855943.15	9.08E-04	1.43E-07	4.98E-08	9.26E-04	1.46E-07	5.08E-08	9.25E-04	1.46E-07	5.08E-08
119	486733.18, 3855943.15	9.08E-04	1.43E-07	4.98E-08	9.26E-04	1.46E-07	5.08E-08	9.25E-04	1.46E-07	5.08E-08
120	486783.18, 3855943.15	9.10E-04	1.43E-07	5.00E-08	9.29E-04	1.46E-07	5.10E-08	9.28E-04	1.46E-07	5.09E-08

121	486533.18, 3855993.15	9.05E-04	1.43E-07	4.96E-08	9.23E-04	1.45E-07	5.07E-08	9.22E-04	1.45E-07	5.06E-08
122	486583.18, 3855993.15	9.03E-04	1.42E-07	4.96E-08	9.22E-04	1.45E-07	5.06E-08	9.21E-04	1.45E-07	5.05E-08
123	486633.18, 3855993.15	9.02E-04	1.42E-07	4.95E-08	9.20E-04	1.45E-07	5.05E-08	9.19E-04	1.45E-07	5.05E-08
124	486683.18, 3855993.15	9.03E-04	1.42E-07	4.95E-08	9.21E-04	1.45E-07	5.05E-08	9.20E-04	1.45E-07	5.05E-08
125	486733.18, 3855993.15	9.02E-04	1.42E-07	4.95E-08	9.21E-04	1.45E-07	5.05E-08	9.20E-04	1.45E-07	5.05E-08
126	486783.18, 3855993.15	9.03E-04	1.42E-07	4.96E-08	9.22E-04	1.45E-07	5.06E-08	9.21E-04	1.45E-07	5.05E-08
127	486533.18, 3856043.15	9.02E-04	1.42E-07	4.95E-08	9.21E-04	1.45E-07	5.05E-08	9.20E-04	1.45E-07	5.05E-08
128	486583.18, 3856043.15	9.01E-04	1.42E-07	4.95E-08	9.20E-04	1.45E-07	5.05E-08	9.19E-04	1.45E-07	5.04E-08
129	486633.18, 3856043.15	8.98E-04	1.42E-07	4.93E-08	9.17E-04	1.44E-07	5.03E-08	9.16E-04	1.44E-07	5.03E-08
130	486683.18, 3856043.15	8.99E-04	1.42E-07	4.93E-08	9.17E-04	1.44E-07	5.03E-08	9.16E-04	1.44E-07	5.03E-08
131	486733.18, 3856043.15	8.97E-04	1.41E-07	4.92E-08	9.16E-04	1.44E-07	5.02E-08	9.14E-04	1.44E-07	5.02E-08
132	486783.18, 3856043.15	8.99E-04	1.42E-07	4.94E-08	9.18E-04	1.45E-07	5.04E-08	9.17E-04	1.44E-07	5.03E-08
133	486533.18, 3856093.15	9.02E-04	1.42E-07	4.95E-08	9.20E-04	1.45E-07	5.05E-08	9.19E-04	1.45E-07	5.04E-08
134	486583.18, 3856093.15	8.99E-04	1.42E-07	4.93E-08	9.17E-04	1.45E-07	5.03E-08	9.16E-04	1.44E-07	5.03E-08
135	486633.18, 3856093.15	8.96E-04	1.41E-07	4.92E-08	9.15E-04	1.44E-07	5.02E-08	9.14E-04	1.44E-07	5.01E-08
136	486683.18, 3856093.15	8.95E-04	1.41E-07	4.91E-08	9.14E-04	1.44E-07	5.02E-08	9.13E-04	1.44E-07	5.01E-08
137	486733.18, 3856093.15	8.94E-04	1.41E-07	4.91E-08	9.12E-04	1.44E-07	5.01E-08	9.11E-04	1.44E-07	5.00E-08
138	486783.18, 3856093.15	8.94E-04	1.41E-07	4.91E-08	9.13E-04	1.44E-07	5.01E-08	9.11E-04	1.44E-07	5.00E-08
139	486533.18, 3856143.15	9.00E-04	1.42E-07	4.94E-08	9.19E-04	1.45E-07	5.04E-08	9.18E-04	1.45E-07	5.04E-08
140	486583.18, 3856143.15	8.97E-04	1.41E-07	4.92E-08	9.15E-04	1.44E-07	5.02E-08	9.14E-04	1.44E-07	5.02E-08
141	486633.18, 3856143.15	8.95E-04	1.41E-07	4.91E-08	9.13E-04	1.44E-07	5.01E-08	9.12E-04	1.44E-07	5.01E-08
142	486683.18, 3856143.15	8.93E-04	1.41E-07	4.90E-08	9.11E-04	1.44E-07	5.00E-08	9.10E-04	1.43E-07	4.99E-08
143	486733.18, 3856143.15	8.91E-04	1.40E-07	4.89E-08	9.10E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.99E-08
144	486783.18, 3856143.15	8.93E-04	1.41E-07	4.90E-08	9.11E-04	1.44E-07	5.00E-08	9.10E-04	1.43E-07	4.99E-08
145	486533.18, 3856193.15	9.01E-04	1.42E-07	4.94E-08	9.19E-04	1.45E-07	5.04E-08	9.18E-04	1.45E-07	5.04E-08
146	486583.18, 3856193.15	8.96E-04	1.41E-07	4.92E-08	9.14E-04	1.44E-07	5.02E-08	9.13E-04	1.44E-07	5.01E-08
147	486633.18, 3856193.15	8.94E-04	1.41E-07	4.91E-08	9.12E-04	1.44E-07	5.01E-08	9.11E-04	1.44E-07	5.00E-08
148	486683.18, 3856193.15	8.93E-04	1.41E-07	4.90E-08	9.12E-04	1.44E-07	5.00E-08	9.11E-04	1.43E-07	5.00E-08
149	486733.18, 3856193.15	8.90E-04	1.40E-07	4.89E-08	9.09E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.98E-08
150	486783.18, 3856193.15	8.91E-04	1.40E-07	4.89E-08	9.09E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.98E-08
151	486533.18, 3856243.15	9.00E-04	1.42E-07	4.94E-08	9.18E-04	1.45E-07	5.04E-08	9.17E-04	1.44E-07	5.03E-08
152	486583.18, 3856243.15	8.97E-04	1.41E-07	4.92E-08	9.15E-04	1.44E-07	5.02E-08	9.14E-04	1.44E-07	5.02E-08
153	486633.18, 3856243.15	8.94E-04	1.41E-07	4.91E-08	9.13E-04	1.44E-07	5.01E-08	9.11E-04	1.44E-07	5.00E-08
154	486683.18, 3856243.15	8.92E-04	1.41E-07	4.90E-08	9.10E-04	1.43E-07	5.00E-08	9.09E-04	1.43E-07	4.99E-08
155	486733.18, 3856243.15	8.91E-04	1.40E-07	4.89E-08	9.10E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.99E-08
156	486783.18, 3856243.15	8.90E-04	1.40E-07	4.88E-08	9.08E-04	1.43E-07	4.98E-08	9.07E-04	1.43E-07	4.98E-08
157	486533.18, 3856293.15	8.99E-04	1.42E-07	4.94E-08	9.18E-04	1.45E-07	5.04E-08	9.17E-04	1.44E-07	5.03E-08
158	486583.18, 3856293.15	8.97E-04	1.41E-07	4.92E-08	9.15E-04	1.44E-07	5.02E-08	9.14E-04	1.44E-07	5.02E-08
159	486633.18, 3856293.15	8.95E-04	1.41E-07	4.91E-08	9.13E-04	1.44E-07	5.01E-08	9.12E-04	1.44E-07	5.00E-08
160	486683.18, 3856293.15	8.93E-04	1.41E-07	4.90E-08	9.11E-04	1.43E-07	5.00E-08	9.10E-04	1.43E-07	4.99E-08
161	486733.18, 3856293.15	8.92E-04	1.41E-07	4.90E-08	9.10E-04	1.43E-07	5.00E-08	9.09E-04	1.43E-07	4.99E-08
162	486783.18, 3856293.15	8.90E-04	1.40E-07	4.88E-08	9.08E-04	1.43E-07	4.98E-08	9.07E-04	1.43E-07	4.98E-08
163	486783.18, 3856343.15	8.92E-04	1.41E-07	4.90E-08	9.10E-04	1.43E-07	5.00E-08	9.09E-04	1.43E-07	4.99E-08
164	486833.18, 3856343.15	8.90E-04	1.40E-07	4.89E-08	9.09E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.98E-08
165	486883.18, 3856343.15	8.89E-04	1.40E-07	4.88E-08	9.07E-04	1.43E-07	4.98E-08	9.06E-04	1.43E-07	4.97E-08
166	486783.18, 3856393.15	8.92E-04	1.41E-07	4.90E-08	9.10E-04	1.43E-07	5.00E-08	9.09E-04	1.43E-07	4.99E-08
167	486833.18, 3856393.15	8.91E-04	1.40E-07	4.89E-08	9.09E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.98E-08
168	486883.18, 3856393.15	8.88E-04	1.40E-07	4.88E-08	9.07E-04	1.43E-07	4.98E-08	9.05E-04	1.43E-07	4.97E-08
169	487208.74, 3856886.11	9.11E-04	1.44E-07	5.00E-08	9.30E-04	1.46E-07	5.10E-08	9.29E-04	1.46E-07	5.10E-08
170	487258.74, 3856886.11	9.10E-04	1.43E-07	4.99E-08	9.29E-04	1.46E-07	5.10E-08	9.27E-04	1.46E-07	5.09E-08
171	487308.74, 3856886.11	9.08E-04	1.43E-07	4.99E-08	9.27E-04	1.46E-07	5.09E-08	9.26E-04	1.46E-07	5.08E-08
172	487358.74, 3856886.11	9.06E-04	1.43E-07	4.97E-08	9.25E-04	1.46E-07	5.08E-08	9.24E-04	1.46E-07	5.07E-08
173	487208.74, 3856936.11	9.16E-04	1.44E-07	5.02E-08	9.34E-04	1.47E-07	5.13E-08	9.33E-04	1.47E-07	5.12E-08
174	487258.74, 3856936.11	9.15E-04	1.44E-07	5.02E-08	9.34E-04	1.47E-07	5.13E-08	9.33E-04	1.47E-07	5.12E-08
175	487308.74, 3856936.11	9.15E-04	1.44E-07	5.02E-08	9.33E-04	1.47E-07	5.12E-08	9.32E-04	1.47E-07	5.12E-08
176	487358.74, 3856936.11	9.13E-04	1.44E-07	5.01E-08	9.32E-04	1.47E-07	5.11E-08	9.31E-04	1.47E-07	5.11E-08
177	487208.74, 3856986.11	9.18E-04	1.45E-07	5.04E-08	9.37E-04	1.48E-07	5.14E-08	9.36E-04	1.47E-07	5.14E-08
178	487258.74, 3856986.11	9.21E-04	1.45E-07	5.06E-08	9.40E-04	1.48E-07	5.16E-08	9.39E-04	1.48E-07	5.15E-08
179	487308.74, 3856986.11	9.21E-04	1.45E-07	5.05E-08	9.40E-04	1.48E-07	5.16E-08	9.39E-04	1.48E-07	5.15E-08
180	487358.74, 3856986.11	9.21E-04	1.45E-07	5.05E-08	9.40E-04	1.48E-07	5.16E-08	9.39E-04	1.48E-07	5.15E-08
181	487208.74, 3857036.11	9.21E-04	1.45E-07	5.06E-08	9.40E-04	1.48E-07	5.16E-08	9.39E-04	1.48E-07	5.15E-08
182	487258.74, 3857036.11	9.25E-04	1.46E-07	5.08E-08	9.44E-04	1.49E-07	5.18E-08	9.43E-04	1.49E-07	5.17E-08

183	487308.74, 3857036.11	9.28E-04	1.46E-07	5.09E-08	9.47E-04	1.49E-07	5.20E-08	9.46E-04	1.49E-07	5.19E-08
184	487358.74, 3857036.11	9.29E-04	1.46E-07	5.10E-08	9.48E-04	1.49E-07	5.20E-08	9.47E-04	1.49E-07	5.20E-08
185	487427.14, 3856878.23	9.05E-04	1.43E-07	4.97E-08	9.24E-04	1.46E-07	5.07E-08	9.23E-04	1.45E-07	5.06E-08
186	487477.14, 3856878.23	9.05E-04	1.43E-07	4.97E-08	9.23E-04	1.45E-07	5.07E-08	9.22E-04	1.45E-07	5.06E-08
187	487527.14, 3856878.23	9.05E-04	1.43E-07	4.96E-08	9.23E-04	1.45E-07	5.07E-08	9.22E-04	1.45E-07	5.06E-08
188	487427.14, 3856928.23	9.11E-04	1.44E-07	5.00E-08	9.30E-04	1.47E-07	5.10E-08	9.29E-04	1.46E-07	5.10E-08
189	487477.14, 3856928.23	9.10E-04	1.43E-07	4.99E-08	9.29E-04	1.46E-07	5.10E-08	9.27E-04	1.46E-07	5.09E-08
190	487527.14, 3856928.23	9.10E-04	1.43E-07	4.99E-08	9.29E-04	1.46E-07	5.10E-08	9.27E-04	1.46E-07	5.09E-08
191	487577.14, 3856928.23	9.10E-04	1.43E-07	5.00E-08	9.29E-04	1.46E-07	5.10E-08	9.28E-04	1.46E-07	5.09E-08
192	487627.14, 3856928.23	9.10E-04	1.43E-07	4.99E-08	9.28E-04	1.46E-07	5.09E-08	9.27E-04	1.46E-07	5.09E-08
193	487677.14, 3856928.23	9.12E-04	1.44E-07	5.01E-08	9.31E-04	1.47E-07	5.11E-08	9.30E-04	1.46E-07	5.10E-08
194	487727.14, 3856928.23	9.15E-04	1.44E-07	5.02E-08	9.34E-04	1.47E-07	5.13E-08	9.33E-04	1.47E-07	5.12E-08
195	487777.14, 3856928.23	9.18E-04	1.45E-07	5.04E-08	9.36E-04	1.48E-07	5.14E-08	9.35E-04	1.47E-07	5.13E-08
196	487427.14, 3856978.23	9.18E-04	1.45E-07	5.04E-08	9.37E-04	1.48E-07	5.14E-08	9.36E-04	1.47E-07	5.13E-08
197	487477.14, 3856978.23	9.18E-04	1.45E-07	5.04E-08	9.36E-04	1.48E-07	5.14E-08	9.35E-04	1.47E-07	5.13E-08
198	487527.14, 3856978.23	9.17E-04	1.45E-07	5.03E-08	9.36E-04	1.47E-07	5.14E-08	9.35E-04	1.47E-07	5.13E-08
199	487577.14, 3856978.23	9.17E-04	1.44E-07	5.03E-08	9.36E-04	1.47E-07	5.14E-08	9.35E-04	1.47E-07	5.13E-08
200	487627.14, 3856978.23	9.16E-04	1.44E-07	5.03E-08	9.35E-04	1.47E-07	5.13E-08	9.33E-04	1.47E-07	5.12E-08
201	487677.14, 3856978.23	9.18E-04	1.45E-07	5.04E-08	9.36E-04	1.48E-07	5.14E-08	9.35E-04	1.47E-07	5.13E-08
202	487727.14, 3856978.23	9.16E-04	1.44E-07	5.03E-08	9.35E-04	1.47E-07	5.13E-08	9.34E-04	1.47E-07	5.12E-08
203	487777.14, 3856978.23	9.23E-04	1.45E-07	5.07E-08	9.42E-04	1.48E-07	5.17E-08	9.41E-04	1.48E-07	5.17E-08
204	487427.14, 3857028.23	9.27E-04	1.46E-07	5.09E-08	9.46E-04	1.49E-07	5.19E-08	9.45E-04	1.49E-07	5.18E-08
205	487477.14, 3857028.23	9.26E-04	1.46E-07	5.08E-08	9.45E-04	1.49E-07	5.19E-08	9.44E-04	1.49E-07	5.18E-08
206	487527.14, 3857028.23	9.25E-04	1.46E-07	5.08E-08	9.44E-04	1.49E-07	5.18E-08	9.43E-04	1.49E-07	5.17E-08
207	487577.14, 3857028.23	9.25E-04	1.46E-07	5.07E-08	9.44E-04	1.49E-07	5.18E-08	9.42E-04	1.48E-07	5.17E-08
208	487627.14, 3857028.23	9.23E-04	1.45E-07	5.07E-08	9.42E-04	1.48E-07	5.17E-08	9.41E-04	1.48E-07	5.16E-08
209	487677.14, 3857028.23	9.24E-04	1.46E-07	5.07E-08	9.43E-04	1.48E-07	5.17E-08	9.42E-04	1.48E-07	5.17E-08
210	487727.14, 3857028.23	9.26E-04	1.46E-07	5.08E-08	9.45E-04	1.49E-07	5.19E-08	9.44E-04	1.49E-07	5.18E-08
211	487777.14, 3857028.23	9.29E-04	1.46E-07	5.10E-08	9.48E-04	1.49E-07	5.20E-08	9.47E-04	1.49E-07	5.20E-08
212	487427.14, 3857078.23	9.35E-04	1.47E-07	5.13E-08	9.54E-04	1.50E-07	5.24E-08	9.53E-04	1.50E-07	5.23E-08
213	487477.14, 3857078.23	9.34E-04	1.47E-07	5.13E-08	9.53E-04	1.50E-07	5.23E-08	9.52E-04	1.50E-07	5.23E-08
214	487527.14, 3857078.23	9.34E-04	1.47E-07	5.13E-08	9.53E-04	1.50E-07	5.23E-08	9.52E-04	1.50E-07	5.23E-08
215	487577.14, 3857078.23	9.33E-04	1.47E-07	5.12E-08	9.52E-04	1.50E-07	5.23E-08	9.51E-04	1.50E-07	5.22E-08
216	487627.14, 3857078.23	9.32E-04	1.47E-07	5.12E-08	9.51E-04	1.50E-07	5.22E-08	9.50E-04	1.50E-07	5.22E-08
217	487677.14, 3857078.23	9.32E-04	1.47E-07	5.12E-08	9.51E-04	1.50E-07	5.22E-08	9.50E-04	1.50E-07	5.22E-08
218	487727.14, 3857078.23	9.34E-04	1.47E-07	5.12E-08	9.53E-04	1.50E-07	5.23E-08	9.52E-04	1.50E-07	5.22E-08
219	487777.14, 3857078.23	9.35E-04	1.47E-07	5.13E-08	9.54E-04	1.50E-07	5.23E-08	9.53E-04	1.50E-07	5.23E-08
220	487427.14, 3857128.23	9.44E-04	1.49E-07	5.18E-08	9.63E-04	1.52E-07	5.29E-08	9.62E-04	1.52E-07	5.28E-08
221	487477.14, 3857128.23	9.44E-04	1.49E-07	5.18E-08	9.63E-04	1.52E-07	5.28E-08	9.62E-04	1.51E-07	5.28E-08
222	487527.14, 3857128.23	9.43E-04	1.48E-07	5.17E-08	9.62E-04	1.52E-07	5.28E-08	9.61E-04	1.51E-07	5.27E-08
223	487577.14, 3857128.23	9.42E-04	1.48E-07	5.17E-08	9.62E-04	1.51E-07	5.28E-08	9.60E-04	1.51E-07	5.27E-08
224	487627.14, 3857128.23	9.42E-04	1.48E-07	5.17E-08	9.61E-04	1.51E-07	5.28E-08	9.60E-04	1.51E-07	5.27E-08
225	487677.14, 3857128.23	9.41E-04	1.48E-07	5.16E-08	9.60E-04	1.51E-07	5.27E-08	9.59E-04	1.51E-07	5.26E-08
226	487727.14, 3857128.23	9.43E-04	1.49E-07	5.18E-08	9.62E-04	1.52E-07	5.28E-08	9.61E-04	1.51E-07	5.27E-08
227	487777.14, 3857128.23	9.43E-04	1.49E-07	5.18E-08	9.62E-04	1.52E-07	5.28E-08	9.61E-04	1.51E-07	5.27E-08
228	488049.44, 3856539.39	8.93E-04	1.41E-07	4.90E-08	9.11E-04	1.44E-07	5.00E-08	9.10E-04	1.43E-07	5.00E-08
229	488099.44, 3856539.39	8.90E-04	1.40E-07	4.89E-08	9.08E-04	1.43E-07	4.99E-08	9.07E-04	1.43E-07	4.98E-08
230	488149.44, 3856539.39	8.89E-04	1.40E-07	4.88E-08	9.07E-04	1.43E-07	4.98E-08	9.06E-04	1.43E-07	4.97E-08
231	488049.44, 3856589.39	8.95E-04	1.41E-07	4.91E-08	9.13E-04	1.44E-07	5.01E-08	9.12E-04	1.44E-07	5.01E-08
232	488099.44, 3856589.39	8.92E-04	1.41E-07	4.90E-08	9.10E-04	1.43E-07	5.00E-08	9.09E-04	1.43E-07	4.99E-08
233	488149.44, 3856589.39	8.90E-04	1.40E-07	4.89E-08	9.08E-04	1.43E-07	4.99E-08	9.07E-04	1.43E-07	4.98E-08
234	488199.44, 3856589.39	8.87E-04	1.40E-07	4.87E-08	9.05E-04	1.43E-07	4.97E-08	9.04E-04	1.42E-07	4.96E-08
235	488249.44, 3856589.39	8.88E-04	1.40E-07	4.88E-08	9.07E-04	1.43E-07	4.98E-08	9.05E-04	1.43E-07	4.97E-08
236	488049.44, 3856639.39	8.97E-04	1.41E-07	4.92E-08	9.16E-04	1.44E-07	5.02E-08	9.14E-04	1.44E-07	5.02E-08
237	488099.44, 3856639.39	8.94E-04	1.41E-07	4.91E-08	9.13E-04	1.44E-07	5.01E-08	9.11E-04	1.44E-07	5.00E-08
238	488149.44, 3856639.39	8.92E-04	1.41E-07	4.90E-08	9.10E-04	1.43E-07	5.00E-08	9.09E-04	1.43E-07	4.99E-08
239	488199.44, 3856639.39	8.91E-04	1.40E-07	4.89E-08	9.09E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.98E-08
240	488249.44, 3856639.39	8.89E-04	1.40E-07	4.88E-08	9.07E-04	1.43E-07	4.98E-08	9.06E-04	1.43E-07	4.97E-08
241	488299.44, 3856639.39	8.88E-04	1.40E-07	4.87E-08	9.06E-04	1.43E-07	4.97E-08	9.05E-04	1.43E-07	4.97E-08
242	488349.44, 3856639.39	8.86E-04	1.40E-07	4.86E-08	9.04E-04	1.42E-07	4.96E-08	9.03E-04	1.42E-07	4.95E-08
243	488399.44, 3856639.39	8.86E-04	1.40E-07	4.86E-08	9.04E-04	1.42E-07	4.96E-08	9.03E-04	1.42E-07	4.96E-08
244	488099.44, 3856689.39	8.98E-04	1.42E-07	4.93E-08	9.17E-04	1.44E-07	5.03E-08	9.16E-04	1.44E-07	5.03E-08

245	488149.44, 3856689.39	8.95E-04	1.41E-07	4.91E-08	9.13E-04	1.44E-07	5.01E-08	9.12E-04	1.44E-07	5.01E-08
246	488199.44, 3856689.39	8.94E-04	1.41E-07	4.90E-08	9.12E-04	1.44E-07	5.01E-08	9.11E-04	1.43E-07	5.00E-08
247	488249.44, 3856689.39	8.91E-04	1.40E-07	4.89E-08	9.09E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.98E-08
248	488299.44, 3856689.39	8.91E-04	1.40E-07	4.89E-08	9.09E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.98E-08
249	488349.44, 3856689.39	8.88E-04	1.40E-07	4.88E-08	9.07E-04	1.43E-07	4.98E-08	9.05E-04	1.43E-07	4.97E-08
250	488399.44, 3856689.39	8.85E-04	1.39E-07	4.85E-08	9.03E-04	1.42E-07	4.95E-08	9.02E-04	1.42E-07	4.95E-08
251	488099.44, 3856739.39	9.04E-04	1.42E-07	4.96E-08	9.22E-04	1.45E-07	5.06E-08	9.21E-04	1.45E-07	5.06E-08
252	488149.44, 3856739.39	9.00E-04	1.42E-07	4.94E-08	9.18E-04	1.45E-07	5.04E-08	9.17E-04	1.44E-07	5.03E-08
253	488199.44, 3856739.39	8.99E-04	1.42E-07	4.93E-08	9.17E-04	1.45E-07	5.03E-08	9.16E-04	1.44E-07	5.03E-08
254	488249.44, 3856739.39	8.96E-04	1.41E-07	4.92E-08	9.14E-04	1.44E-07	5.02E-08	9.13E-04	1.44E-07	5.01E-08
255	488299.44, 3856739.39	8.91E-04	1.40E-07	4.89E-08	9.10E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.99E-08
256	488349.44, 3856739.39	8.92E-04	1.41E-07	4.90E-08	9.10E-04	1.43E-07	5.00E-08	9.09E-04	1.43E-07	4.99E-08
257	488399.44, 3856739.39	8.93E-04	1.41E-07	4.90E-08	9.11E-04	1.44E-07	5.00E-08	9.10E-04	1.43E-07	5.00E-08
258	487999.44, 3856789.39	9.12E-04	1.44E-07	5.00E-08	9.30E-04	1.47E-07	5.11E-08	9.29E-04	1.46E-07	5.10E-08
259	488049.44, 3856789.39	9.10E-04	1.43E-07	4.99E-08	9.28E-04	1.46E-07	5.09E-08	9.27E-04	1.46E-07	5.09E-08
260	488099.44, 3856789.39	9.09E-04	1.43E-07	4.99E-08	9.27E-04	1.46E-07	5.09E-08	9.26E-04	1.46E-07	5.08E-08
261	488149.44, 3856789.39	9.06E-04	1.43E-07	4.97E-08	9.24E-04	1.46E-07	5.07E-08	9.23E-04	1.45E-07	5.07E-08
262	488199.44, 3856789.39	9.04E-04	1.42E-07	4.96E-08	9.22E-04	1.45E-07	5.06E-08	9.21E-04	1.45E-07	5.06E-08
263	488249.44, 3856789.39	9.01E-04	1.42E-07	4.95E-08	9.19E-04	1.45E-07	5.05E-08	9.18E-04	1.45E-07	5.04E-08
264	488299.44, 3856789.39	8.97E-04	1.41E-07	4.92E-08	9.16E-04	1.44E-07	5.02E-08	9.14E-04	1.44E-07	5.02E-08
265	488349.44, 3856789.39	8.98E-04	1.41E-07	4.93E-08	9.16E-04	1.44E-07	5.03E-08	9.15E-04	1.44E-07	5.02E-08
266	488399.44, 3856789.39	8.98E-04	1.41E-07	4.93E-08	9.16E-04	1.44E-07	5.03E-08	9.15E-04	1.44E-07	5.02E-08
267	487949.44, 3856839.39	9.18E-04	1.45E-07	5.04E-08	9.36E-04	1.48E-07	5.14E-08	9.35E-04	1.47E-07	5.13E-08
268	487999.44, 3856839.39	9.17E-04	1.44E-07	5.03E-08	9.36E-04	1.47E-07	5.14E-08	9.35E-04	1.47E-07	5.13E-08
269	488049.44, 3856839.39	9.15E-04	1.44E-07	5.02E-08	9.34E-04	1.47E-07	5.12E-08	9.33E-04	1.47E-07	5.12E-08
270	488099.44, 3856839.39	9.13E-04	1.44E-07	5.01E-08	9.32E-04	1.47E-07	5.12E-08	9.31E-04	1.47E-07	5.11E-08
271	488149.44, 3856839.39	9.12E-04	1.44E-07	5.01E-08	9.31E-04	1.47E-07	5.11E-08	9.30E-04	1.46E-07	5.10E-08
272	488199.44, 3856839.39	9.10E-04	1.43E-07	5.00E-08	9.29E-04	1.46E-07	5.10E-08	9.28E-04	1.46E-07	5.09E-08
273	487949.44, 3856889.39	9.21E-04	1.45E-07	5.06E-08	9.40E-04	1.48E-07	5.16E-08	9.39E-04	1.48E-07	5.15E-08
274	487999.44, 3856889.39	9.23E-04	1.45E-07	5.07E-08	9.42E-04	1.48E-07	5.17E-08	9.41E-04	1.48E-07	5.16E-08
275	488049.44, 3856889.39	9.20E-04	1.45E-07	5.05E-08	9.39E-04	1.48E-07	5.15E-08	9.38E-04	1.48E-07	5.15E-08
276	488099.44, 3856889.39	9.20E-04	1.45E-07	5.05E-08	9.39E-04	1.48E-07	5.15E-08	9.38E-04	1.48E-07	5.15E-08
277	488635.86, 3857895.05	1.35E-03	2.13E-07	7.42E-08	1.38E-03	2.17E-07	7.57E-08	1.38E-03	2.17E-07	7.57E-08
278	489137.64, 3857804.15	1.25E-03	1.97E-07	6.88E-08	1.28E-03	2.02E-07	7.02E-08	1.28E-03	2.01E-07	7.01E-08
279	488617.32, 3857859.41	1.32E-03	2.08E-07	7.23E-08	1.34E-03	2.12E-07	7.38E-08	1.34E-03	2.12E-07	7.37E-08
280	488667.32, 3857859.41	1.32E-03	2.08E-07	7.24E-08	1.35E-03	2.12E-07	7.39E-08	1.35E-03	2.12E-07	7.38E-08
281	488717.32, 3857859.41	1.33E-03	2.09E-07	7.28E-08	1.35E-03	2.13E-07	7.42E-08	1.35E-03	2.13E-07	7.42E-08
282	488767.32, 3857859.41	1.34E-03	2.11E-07	7.33E-08	1.36E-03	2.15E-07	7.48E-08	1.36E-03	2.15E-07	7.47E-08
283	488617.32, 3857909.41	1.37E-03	2.15E-07	7.50E-08	1.39E-03	2.20E-07	7.65E-08	1.39E-03	2.19E-07	7.64E-08
284	488667.32, 3857909.41	1.38E-03	2.17E-07	7.58E-08	1.41E-03	2.22E-07	7.73E-08	1.41E-03	2.22E-07	7.72E-08
285	488717.32, 3857909.41	1.37E-03	2.16E-07	7.54E-08	1.40E-03	2.21E-07	7.69E-08	1.40E-03	2.21E-07	7.68E-08
286	488767.32, 3857909.41	1.39E-03	2.18E-07	7.61E-08	1.42E-03	2.23E-07	7.77E-08	1.41E-03	2.23E-07	7.76E-08
287	488417.32, 3857959.41	1.41E-03	2.21E-07	7.72E-08	1.43E-03	2.26E-07	7.87E-08	1.43E-03	2.26E-07	7.86E-08
288	488467.32, 3857959.41	1.41E-03	2.22E-07	7.74E-08	1.44E-03	2.27E-07	7.90E-08	1.44E-03	2.27E-07	7.89E-08
289	488517.32, 3857959.41	1.42E-03	2.23E-07	7.77E-08	1.45E-03	2.28E-07	7.93E-08	1.44E-03	2.27E-07	7.92E-08
290	488567.32, 3857959.41	1.42E-03	2.24E-07	7.79E-08	1.45E-03	2.28E-07	7.95E-08	1.45E-03	2.28E-07	7.94E-08
291	488617.32, 3857959.41	1.42E-03	2.24E-07	7.81E-08	1.45E-03	2.29E-07	7.97E-08	1.45E-03	2.28E-07	7.96E-08
292	488667.32, 3857959.41	1.43E-03	2.25E-07	7.83E-08	1.46E-03	2.29E-07	7.99E-08	1.45E-03	2.29E-07	7.98E-08
293	488717.32, 3857959.41	1.43E-03	2.26E-07	7.87E-08	1.46E-03	2.31E-07	8.03E-08	1.46E-03	2.30E-07	8.02E-08
294	488767.32, 3857959.41	1.44E-03	2.27E-07	7.90E-08	1.47E-03	2.31E-07	8.06E-08	1.47E-03	2.31E-07	8.05E-08
295	488417.32, 3858009.41	1.46E-03	2.30E-07	8.03E-08	1.49E-03	2.35E-07	8.19E-08	1.49E-03	2.35E-07	8.18E-08
296	488467.32, 3858009.41	1.47E-03	2.32E-07	8.07E-08	1.50E-03	2.37E-07	8.24E-08	1.50E-03	2.36E-07	8.23E-08
297	488517.32, 3858009.41	1.47E-03	2.32E-07	8.09E-08	1.50E-03	2.37E-07	8.26E-08	1.50E-03	2.37E-07	8.25E-08
298	488567.32, 3858009.41	1.48E-03	2.33E-07	8.11E-08	1.51E-03	2.38E-07	8.28E-08	1.51E-03	2.37E-07	8.27E-08
299	488617.32, 3858009.41	1.48E-03	2.33E-07	8.12E-08	1.51E-03	2.38E-07	8.29E-08	1.51E-03	2.38E-07	8.28E-08
300	488667.32, 3858009.41	1.48E-03	2.34E-07	8.14E-08	1.51E-03	2.38E-07	8.31E-08	1.51E-03	2.38E-07	8.30E-08
301	488717.32, 3858009.41	1.49E-03	2.35E-07	8.17E-08	1.52E-03	2.39E-07	8.34E-08	1.52E-03	2.39E-07	8.33E-08
302	488767.32, 3858009.41	1.50E-03	2.36E-07	8.21E-08	1.53E-03	2.40E-07	8.37E-08	1.52E-03	2.40E-07	8.36E-08
303	488417.32, 3858059.41	1.53E-03	2.40E-07	8.38E-08	1.56E-03	2.45E-07	8.55E-08	1.56E-03	2.45E-07	8.54E-08
304	488467.32, 3858059.41	1.53E-03	2.42E-07	8.42E-08	1.57E-03	2.47E-07	8.59E-08	1.56E-03	2.46E-07	8.58E-08
305	488517.32, 3858059.41	1.54E-03	2.43E-07	8.45E-08	1.57E-03	2.47E-07	8.62E-08	1.57E-03	2.47E-07	8.61E-08
306	488567.32, 3858059.41	1.54E-03	2.43E-07	8.46E-08	1.57E-03	2.48E-07	8.64E-08	1.57E-03	2.48E-07	8.63E-08

307	488617.32, 3858059.41	1.55E-03	2.43E-07	8.48E-08	1.58E-03	2.48E-07	8.66E-08	1.58E-03	2.48E-07	8.65E-08
308	488667.32, 3858059.41	1.55E-03	2.44E-07	8.50E-08	1.58E-03	2.49E-07	8.67E-08	1.58E-03	2.49E-07	8.66E-08
309	488417.32, 3858109.41	1.59E-03	2.50E-07	8.72E-08	1.62E-03	2.55E-07	8.89E-08	1.62E-03	2.55E-07	8.88E-08
310	488467.32, 3858109.41	1.60E-03	2.52E-07	8.78E-08	1.63E-03	2.57E-07	8.96E-08	1.63E-03	2.57E-07	8.95E-08
311	488517.32, 3858109.41	1.61E-03	2.54E-07	8.83E-08	1.64E-03	2.59E-07	9.02E-08	1.64E-03	2.58E-07	9.00E-08
312	488567.32, 3858109.41	1.61E-03	2.54E-07	8.85E-08	1.65E-03	2.59E-07	9.03E-08	1.64E-03	2.59E-07	9.02E-08
313	488617.32, 3858109.41	1.62E-03	2.55E-07	8.88E-08	1.65E-03	2.60E-07	9.06E-08	1.65E-03	2.60E-07	9.05E-08
314	488667.32, 3858109.41	1.62E-03	2.55E-07	8.89E-08	1.65E-03	2.60E-07	9.07E-08	1.65E-03	2.60E-07	9.06E-08
315	488769.93, 3858449.27	2.50E-03	3.93E-07	1.37E-07	2.55E-03	4.01E-07	1.40E-07	2.55E-03	4.01E-07	1.40E-07
316	488819.93, 3858449.27	2.51E-03	3.96E-07	1.38E-07	2.56E-03	4.04E-07	1.41E-07	2.56E-03	4.03E-07	1.41E-07
317	488819.93, 3858499.27	2.75E-03	4.34E-07	1.51E-07	2.81E-03	4.43E-07	1.54E-07	2.81E-03	4.42E-07	1.54E-07
318	488869.93, 3858499.27	2.76E-03	4.35E-07	1.52E-07	2.82E-03	4.44E-07	1.55E-07	2.82E-03	4.44E-07	1.55E-07
319	488869.93, 3858549.27	3.06E-03	4.83E-07	1.68E-07	3.13E-03	4.93E-07	1.72E-07	3.12E-03	4.92E-07	1.71E-07
320	489438.17, 3859571.48	1.08E-02	1.71E-06	5.95E-07	1.11E-02	1.74E-06	6.07E-07	1.10E-02	1.74E-06	6.06E-07
321	489488.17, 3859571.48	1.18E-02	1.86E-06	6.48E-07	1.20E-02	1.90E-06	6.61E-07	1.20E-02	1.90E-06	6.60E-07
322	489538.17, 3859571.48	1.29E-02	2.04E-06	7.09E-07	1.32E-02	2.08E-06	7.24E-07	1.32E-02	2.08E-06	7.23E-07
323	489588.17, 3859571.48	1.42E-02	2.23E-06	7.77E-07	1.44E-02	2.28E-06	7.93E-07	1.44E-02	2.27E-06	7.92E-07
324	489438.17, 3859621.48	9.53E-03	1.50E-06	5.23E-07	9.73E-03	1.53E-06	5.34E-07	9.71E-03	1.53E-06	5.33E-07
325	489488.17, 3859621.48	1.03E-02	1.62E-06	5.64E-07	1.05E-02	1.65E-06	5.75E-07	1.05E-02	1.65E-06	5.74E-07
326	489538.17, 3859621.48	1.11E-02	1.75E-06	6.11E-07	1.14E-02	1.79E-06	6.23E-07	1.13E-02	1.79E-06	6.22E-07
327	489588.17, 3859621.48	1.22E-02	1.92E-06	6.67E-07	1.24E-02	1.95E-06	6.81E-07	1.24E-02	1.95E-06	6.80E-07
328	489238.17, 3859671.48	6.63E-03	1.05E-06	3.64E-07	6.77E-03	1.07E-06	3.72E-07	6.76E-03	1.07E-06	3.71E-07
329	489288.17, 3859671.48	7.02E-03	1.11E-06	3.85E-07	7.16E-03	1.13E-06	3.93E-07	7.15E-03	1.13E-06	3.93E-07
330	489338.17, 3859671.48	7.47E-03	1.18E-06	4.10E-07	7.62E-03	1.20E-06	4.18E-07	7.61E-03	1.20E-06	4.18E-07
331	489388.17, 3859671.48	8.00E-03	1.26E-06	4.39E-07	8.16E-03	1.29E-06	4.48E-07	8.15E-03	1.28E-06	4.47E-07
332	489438.17, 3859671.48	8.52E-03	1.34E-06	4.67E-07	8.69E-03	1.37E-06	4.77E-07	8.68E-03	1.37E-06	4.76E-07
333	489488.17, 3859671.48	9.17E-03	1.44E-06	5.03E-07	9.35E-03	1.47E-06	5.13E-07	9.34E-03	1.47E-06	5.13E-07
334	489538.17, 3859671.48	9.86E-03	1.55E-06	5.41E-07	1.01E-02	1.59E-06	5.52E-07	1.01E-02	1.58E-06	5.52E-07
335	489588.17, 3859671.48	1.07E-02	1.68E-06	5.85E-07	1.09E-02	1.71E-06	5.97E-07	1.09E-02	1.71E-06	5.96E-07
336	489238.17, 3859721.48	6.13E-03	9.66E-07	3.36E-07	6.25E-03	9.85E-07	3.43E-07	6.25E-03	9.84E-07	3.43E-07
337	489288.17, 3859721.48	6.50E-03	1.02E-06	3.57E-07	6.63E-03	1.04E-06	3.64E-07	6.62E-03	1.04E-06	3.63E-07
338	489338.17, 3859721.48	6.87E-03	1.08E-06	3.77E-07	7.01E-03	1.10E-06	3.85E-07	7.01E-03	1.10E-06	3.84E-07
339	489388.17, 3859721.48	7.28E-03	1.15E-06	4.00E-07	7.43E-03	1.17E-06	4.08E-07	7.42E-03	1.17E-06	4.07E-07
340	489438.17, 3859721.48	7.72E-03	1.22E-06	4.24E-07	7.88E-03	1.24E-06	4.32E-07	7.87E-03	1.24E-06	4.32E-07
341	489488.17, 3859721.48	8.26E-03	1.30E-06	4.54E-07	8.43E-03	1.33E-06	4.63E-07	8.42E-03	1.33E-06	4.62E-07
342	489538.17, 3859721.48	8.84E-03	1.39E-06	4.85E-07	9.02E-03	1.42E-06	4.95E-07	9.01E-03	1.42E-06	4.94E-07
343	489588.17, 3859721.48	9.48E-03	1.49E-06	5.20E-07	9.67E-03	1.52E-06	5.31E-07	9.66E-03	1.52E-06	5.30E-07
344	489238.17, 3859771.48	5.70E-03	8.98E-07	3.13E-07	5.82E-03	9.17E-07	3.19E-07	5.81E-03	9.16E-07	3.19E-07
345	489288.17, 3859771.48	6.02E-03	9.49E-07	3.30E-07	6.14E-03	9.68E-07	3.37E-07	6.14E-03	9.67E-07	3.37E-07
346	489338.17, 3859771.48	6.33E-03	9.97E-07	3.47E-07	6.46E-03	1.02E-06	3.54E-07	6.45E-03	1.02E-06	3.54E-07
347	489388.17, 3859771.48	6.68E-03	1.05E-06	3.67E-07	6.82E-03	1.07E-06	3.74E-07	6.81E-03	1.07E-06	3.74E-07
348	489438.17, 3859771.48	7.05E-03	1.11E-06	3.87E-07	7.19E-03	1.13E-06	3.95E-07	7.18E-03	1.13E-06	3.94E-07
349	489488.17, 3859771.48	7.52E-03	1.18E-06	4.13E-07	7.67E-03	1.21E-06	4.21E-07	7.67E-03	1.21E-06	4.21E-07
350	489538.17, 3859771.48	8.01E-03	1.26E-06	4.40E-07	8.17E-03	1.29E-06	4.49E-07	8.16E-03	1.29E-06	4.48E-07
351	489588.17, 3859771.48	8.51E-03	1.34E-06	4.67E-07	8.69E-03	1.37E-06	4.77E-07	8.68E-03	1.37E-06	4.76E-07
352	489238.17, 3859821.48	5.32E-03	8.38E-07	2.92E-07	5.43E-03	8.55E-07	2.98E-07	5.42E-03	8.54E-07	2.98E-07
353	489288.17, 3859821.48	5.60E-03	8.83E-07	3.08E-07	5.72E-03	9.01E-07	3.14E-07	5.71E-03	9.00E-07	3.13E-07
354	489338.17, 3859821.48	5.88E-03	9.26E-07	3.22E-07	6.00E-03	9.45E-07	3.29E-07	5.99E-03	9.43E-07	3.29E-07
355	489388.17, 3859821.48	6.18E-03	9.73E-07	3.39E-07	6.30E-03	9.93E-07	3.46E-07	6.30E-03	9.92E-07	3.46E-07
356	489438.17, 3859821.48	6.53E-03	1.03E-06	3.58E-07	6.67E-03	1.05E-06	3.66E-07	6.66E-03	1.05E-06	3.65E-07
357	489488.17, 3859821.48	6.91E-03	1.09E-06	3.79E-07	7.05E-03	1.11E-06	3.87E-07	7.04E-03	1.11E-06	3.86E-07
358	489538.17, 3859821.48	7.31E-03	1.15E-06	4.01E-07	7.46E-03	1.17E-06	4.09E-07	7.45E-03	1.17E-06	4.09E-07
359	489588.17, 3859821.48	7.72E-03	1.22E-06	4.24E-07	7.88E-03	1.24E-06	4.32E-07	7.87E-03	1.24E-06	4.32E-07
360	489238.17, 3859871.48	5.00E-03	7.87E-07	2.74E-07	5.10E-03	8.03E-07	2.80E-07	5.09E-03	8.02E-07	2.79E-07
361	489288.17, 3859871.48	5.23E-03	8.24E-07	2.87E-07	5.34E-03	8.40E-07	2.93E-07	5.33E-03	8.39E-07	2.92E-07
362	489338.17, 3859871.48	5.48E-03	8.63E-07	3.01E-07	5.59E-03	8.81E-07	3.07E-07	5.58E-03	8.79E-07	3.06E-07
363	489388.17, 3859871.48	5.76E-03	9.07E-07	3.16E-07	5.88E-03	9.26E-07	3.23E-07	5.87E-03	9.25E-07	3.22E-07
364	489438.17, 3859871.48	6.07E-03	9.57E-07	3.33E-07	6.20E-03	9.76E-07	3.40E-07	6.19E-03	9.75E-07	3.40E-07
365	489488.17, 3859871.48	6.39E-03	1.01E-06	3.51E-07	6.52E-03	1.03E-06	3.58E-07	6.51E-03	1.03E-06	3.57E-07
366	489538.17, 3859871.48	6.71E-03	1.06E-06	3.68E-07	6.84E-03	1.08E-06	3.76E-07	6.83E-03	1.08E-06	3.75E-07
367	489588.17, 3859871.48	7.05E-03	1.11E-06	3.87E-07	7.19E-03	1.13E-06	3.95E-07	7.18E-03	1.13E-06	3.94E-07
368	489238.17, 3859921.48	4.71E-03	7.43E-07	2.59E-07	4.81E-03	7.58E-07	2.64E-07	4.81E-03	7.57E-07	2.64E-07

369	489288.17, 3859921.48	4.94E-03	7.78E-07	2.71E-07	5.04E-03	7.94E-07	2.76E-07	5.03E-03	7.93E-07	2.76E-07
370	489338.17, 3859921.48	5.16E-03	8.12E-07	2.83E-07	5.26E-03	8.29E-07	2.89E-07	5.26E-03	8.28E-07	2.88E-07
371	489388.17, 3859921.48	5.40E-03	8.51E-07	2.96E-07	5.51E-03	8.68E-07	3.03E-07	5.51E-03	8.67E-07	3.02E-07
372	489438.17, 3859921.48	5.66E-03	8.91E-07	3.10E-07	5.77E-03	9.09E-07	3.17E-07	5.77E-03	9.08E-07	3.16E-07
373	489488.17, 3859921.48	5.91E-03	9.30E-07	3.24E-07	6.03E-03	9.49E-07	3.31E-07	6.02E-03	9.48E-07	3.30E-07
374	489538.17, 3859921.48	6.17E-03	9.72E-07	3.39E-07	6.30E-03	9.92E-07	3.46E-07	6.29E-03	9.91E-07	3.45E-07
375	489588.17, 3859921.48	6.43E-03	1.01E-06	3.53E-07	6.56E-03	1.03E-06	3.60E-07	6.55E-03	1.03E-06	3.59E-07
376	489238.17, 3859971.48	4.46E-03	7.03E-07	2.45E-07	4.56E-03	7.18E-07	2.50E-07	4.55E-03	7.17E-07	2.50E-07
377	489288.17, 3859971.48	4.65E-03	7.33E-07	2.55E-07	4.75E-03	7.48E-07	2.60E-07	4.74E-03	7.47E-07	2.60E-07
378	489338.17, 3859971.48	4.85E-03	7.65E-07	2.66E-07	4.95E-03	7.80E-07	2.72E-07	4.95E-03	7.79E-07	2.72E-07
379	489388.17, 3859971.48	5.07E-03	7.98E-07	2.78E-07	5.17E-03	8.14E-07	2.84E-07	5.16E-03	8.13E-07	2.83E-07
380	489438.17, 3859971.48	5.25E-03	8.27E-07	2.88E-07	5.36E-03	8.44E-07	2.94E-07	5.35E-03	8.43E-07	2.94E-07
381	489488.17, 3859971.48	5.31E-03	8.37E-07	2.92E-07	5.42E-03	8.54E-07	2.98E-07	5.42E-03	8.53E-07	2.97E-07
382	489538.17, 3859971.48	5.40E-03	8.50E-07	2.96E-07	5.51E-03	8.67E-07	3.02E-07	5.50E-03	8.66E-07	3.02E-07
383	489588.17, 3859971.48	5.47E-03	8.62E-07	3.00E-07	5.58E-03	8.80E-07	3.07E-07	5.58E-03	8.79E-07	3.06E-07
384	483577.7, 3854071	2.72E-03	4.28E-07	1.49E-07	2.77E-03	4.37E-07	1.52E-07	2.77E-03	4.36E-07	1.52E-07
385	483627.7, 3854071	2.71E-03	4.26E-07	1.49E-07	2.76E-03	4.35E-07	1.52E-07	2.76E-03	4.34E-07	1.51E-07
386	483677.7, 3854071	2.69E-03	4.23E-07	1.47E-07	2.74E-03	4.32E-07	1.50E-07	2.74E-03	4.31E-07	1.50E-07
387	483727.7, 3854071	2.67E-03	4.20E-07	1.46E-07	2.72E-03	4.29E-07	1.49E-07	2.72E-03	4.28E-07	1.49E-07
388	483777.7, 3854071	2.63E-03	4.14E-07	1.44E-07	2.68E-03	4.22E-07	1.47E-07	2.68E-03	4.22E-07	1.47E-07
389	483577.7, 3854121	2.57E-03	4.05E-07	1.41E-07	2.62E-03	4.13E-07	1.44E-07	2.62E-03	4.13E-07	1.44E-07
390	483627.7, 3854121	2.55E-03	4.02E-07	1.40E-07	2.60E-03	4.10E-07	1.43E-07	2.60E-03	4.10E-07	1.43E-07
391	483677.7, 3854121	2.52E-03	3.97E-07	1.38E-07	2.57E-03	4.05E-07	1.41E-07	2.57E-03	4.05E-07	1.41E-07
392	483727.7, 3854121	2.49E-03	3.92E-07	1.36E-07	2.54E-03	4.00E-07	1.39E-07	2.53E-03	3.99E-07	1.39E-07
393	483777.7, 3854121	2.46E-03	3.88E-07	1.35E-07	2.51E-03	3.96E-07	1.38E-07	2.51E-03	3.96E-07	1.38E-07
394	483577.7, 3854171	2.42E-03	3.81E-07	1.33E-07	2.47E-03	3.89E-07	1.35E-07	2.46E-03	3.88E-07	1.35E-07
395	483627.7, 3854171	2.38E-03	3.75E-07	1.31E-07	2.43E-03	3.83E-07	1.33E-07	2.43E-03	3.83E-07	1.33E-07
396	483677.7, 3854171	2.36E-03	3.72E-07	1.29E-07	2.41E-03	3.79E-07	1.32E-07	2.40E-03	3.79E-07	1.32E-07
397	483727.7, 3854171	2.34E-03	3.69E-07	1.28E-07	2.39E-03	3.76E-07	1.31E-07	2.38E-03	3.76E-07	1.31E-07
398	483777.7, 3854171	2.32E-03	3.65E-07	1.27E-07	2.36E-03	3.72E-07	1.30E-07	2.36E-03	3.72E-07	1.30E-07
399	483827.7, 3854171	2.27E-03	3.58E-07	1.25E-07	2.32E-03	3.65E-07	1.27E-07	2.31E-03	3.64E-07	1.27E-07
400	483877.7, 3854171	2.24E-03	3.54E-07	1.23E-07	2.29E-03	3.61E-07	1.26E-07	2.29E-03	3.60E-07	1.26E-07
401	483727.7, 3854221	2.21E-03	3.48E-07	1.21E-07	2.25E-03	3.55E-07	1.24E-07	2.25E-03	3.55E-07	1.24E-07
402	483777.7, 3854221	2.18E-03	3.44E-07	1.20E-07	2.23E-03	3.51E-07	1.22E-07	2.23E-03	3.51E-07	1.22E-07
403	483827.7, 3854221	2.18E-03	3.44E-07	1.20E-07	2.23E-03	3.51E-07	1.22E-07	2.23E-03	3.51E-07	1.22E-07
404	483877.7, 3854221	2.15E-03	3.39E-07	1.18E-07	2.19E-03	3.45E-07	1.20E-07	2.19E-03	3.45E-07	1.20E-07
405	489150.19, 3858726.45	5.68E-03	8.95E-07	3.12E-07	5.80E-03	9.13E-07	3.18E-07	5.79E-03	9.12E-07	3.18E-07
406	489200.19, 3858726.45	5.84E-03	9.20E-07	3.20E-07	5.96E-03	9.38E-07	3.27E-07	5.95E-03	9.37E-07	3.27E-07
407	489150.19, 3858776.45	7.97E-03	1.26E-06	4.37E-07	8.13E-03	1.28E-06	4.46E-07	8.12E-03	1.28E-06	4.46E-07
408	489200.19, 3858776.45	8.11E-03	1.28E-06	4.45E-07	8.28E-03	1.30E-06	4.54E-07	8.27E-03	1.30E-06	4.54E-07
409	488919.6, 3856400.76	9.14E-04	1.44E-07	5.02E-08	9.33E-04	1.47E-07	5.12E-08	9.32E-04	1.47E-07	5.11E-08
410	488919.6, 3856450.76	9.09E-04	1.43E-07	4.99E-08	9.27E-04	1.46E-07	5.09E-08	9.26E-04	1.46E-07	5.08E-08
411	488969.6, 3856450.76	9.09E-04	1.43E-07	4.99E-08	9.28E-04	1.46E-07	5.09E-08	9.27E-04	1.46E-07	5.08E-08
412	488919.6, 3856500.76	9.04E-04	1.42E-07	4.96E-08	9.22E-04	1.45E-07	5.06E-08	9.21E-04	1.45E-07	5.06E-08
413	488969.6, 3856500.76	9.05E-04	1.43E-07	4.97E-08	9.23E-04	1.45E-07	5.07E-08	9.22E-04	1.45E-07	5.06E-08
414	488919.6, 3856550.76	9.00E-04	1.42E-07	4.94E-08	9.19E-04	1.45E-07	5.04E-08	9.18E-04	1.45E-07	5.04E-08
415	488969.6, 3856550.76	9.01E-04	1.42E-07	4.94E-08	9.19E-04	1.45E-07	5.04E-08	9.18E-04	1.45E-07	5.04E-08
416	488819.6, 3856600.76	8.95E-04	1.41E-07	4.91E-08	9.13E-04	1.44E-07	5.01E-08	9.12E-04	1.44E-07	5.00E-08
417	488869.6, 3856600.76	8.95E-04	1.41E-07	4.91E-08	9.14E-04	1.44E-07	5.02E-08	9.13E-04	1.44E-07	5.01E-08
418	488919.6, 3856600.76	8.97E-04	1.41E-07	4.92E-08	9.15E-04	1.44E-07	5.02E-08	9.14E-04	1.44E-07	5.02E-08
419	488819.6, 3856650.76	8.92E-04	1.41E-07	4.90E-08	9.10E-04	1.43E-07	5.00E-08	9.09E-04	1.43E-07	4.99E-08
420	488869.6, 3856650.76	8.93E-04	1.41E-07	4.90E-08	9.11E-04	1.44E-07	5.00E-08	9.10E-04	1.43E-07	4.99E-08
421	488819.6, 3856700.76	8.91E-04	1.40E-07	4.89E-08	9.09E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.98E-08
422	488869.6, 3856700.76	8.92E-04	1.40E-07	4.89E-08	9.10E-04	1.43E-07	4.99E-08	9.09E-04	1.43E-07	4.99E-08
423	488819.6, 3856750.76	8.90E-04	1.40E-07	4.89E-08	9.09E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.98E-08
424	488869.6, 3856750.76	8.92E-04	1.40E-07	4.89E-08	9.10E-04	1.43E-07	4.99E-08	9.09E-04	1.43E-07	4.99E-08
425	488819.6, 3857050.76	9.21E-04	1.45E-07	5.05E-08	9.39E-04	1.48E-07	5.16E-08	9.38E-04	1.48E-07	5.15E-08
426	488869.6, 3857050.76	9.19E-04	1.45E-07	5.04E-08	9.38E-04	1.48E-07	5.15E-08	9.37E-04	1.48E-07	5.14E-08
427	488919.6, 3857050.76	9.17E-04	1.45E-07	5.03E-08	9.36E-04	1.47E-07	5.14E-08	9.35E-04	1.47E-07	5.13E-08
428	488819.6, 3857100.76	9.32E-04	1.47E-07	5.11E-08	9.51E-04	1.50E-07	5.22E-08	9.50E-04	1.50E-07	5.21E-08
429	488869.6, 3857100.76	9.29E-04	1.46E-07	5.10E-08	9.48E-04	1.49E-07	5.20E-08	9.47E-04	1.49E-07	5.20E-08
430	488919.6, 3857100.76	9.27E-04	1.46E-07	5.09E-08	9.46E-04	1.49E-07	5.19E-08	9.45E-04	1.49E-07	5.19E-08

431	488819.6, 3857150.76	9.45E-04	1.49E-07	5.18E-08	9.64E-04	1.52E-07	5.29E-08	9.63E-04	1.52E-07	5.28E-08
432	488869.6, 3857150.76	9.42E-04	1.48E-07	5.17E-08	9.61E-04	1.51E-07	5.27E-08	9.60E-04	1.51E-07	5.27E-08
433	488919.6, 3857150.76	9.39E-04	1.48E-07	5.15E-08	9.58E-04	1.51E-07	5.26E-08	9.57E-04	1.51E-07	5.25E-08
434	488969.6, 3857150.76	9.36E-04	1.47E-07	5.14E-08	9.55E-04	1.50E-07	5.24E-08	9.54E-04	1.50E-07	5.23E-08
435	488819.6, 3857200.76	9.60E-04	1.51E-07	5.27E-08	9.80E-04	1.54E-07	5.38E-08	9.78E-04	1.54E-07	5.37E-08
436	488869.6, 3857200.76	9.57E-04	1.51E-07	5.25E-08	9.76E-04	1.54E-07	5.36E-08	9.75E-04	1.54E-07	5.35E-08
437	488919.6, 3857200.76	9.53E-04	1.50E-07	5.23E-08	9.72E-04	1.53E-07	5.34E-08	9.71E-04	1.53E-07	5.33E-08
438	488969.6, 3857200.76	9.49E-04	1.49E-07	5.21E-08	9.68E-04	1.52E-07	5.31E-08	9.67E-04	1.52E-07	5.31E-08
439	488819.6, 3857250.76	9.76E-04	1.54E-07	5.36E-08	9.96E-04	1.57E-07	5.47E-08	9.95E-04	1.57E-07	5.46E-08
440	488869.6, 3857250.76	9.72E-04	1.53E-07	5.34E-08	9.92E-04	1.56E-07	5.45E-08	9.91E-04	1.56E-07	5.44E-08
441	488919.6, 3857250.76	9.68E-04	1.53E-07	5.31E-08	9.88E-04	1.56E-07	5.42E-08	9.87E-04	1.55E-07	5.42E-08
442	488969.6, 3857250.76	9.64E-04	1.52E-07	5.29E-08	9.84E-04	1.55E-07	5.40E-08	9.82E-04	1.55E-07	5.39E-08
443	488819.6, 3857300.76	9.95E-04	1.57E-07	5.46E-08	1.02E-03	1.60E-07	5.57E-08	1.01E-03	1.60E-07	5.57E-08
444	488869.6, 3857300.76	9.91E-04	1.56E-07	5.44E-08	1.01E-03	1.59E-07	5.55E-08	1.01E-03	1.59E-07	5.54E-08
445	488919.6, 3857300.76	9.87E-04	1.55E-07	5.42E-08	1.01E-03	1.59E-07	5.53E-08	1.01E-03	1.58E-07	5.52E-08
446	488819.6, 3857450.76	1.06E-03	1.67E-07	5.83E-08	1.08E-03	1.71E-07	5.94E-08	1.08E-03	1.70E-07	5.94E-08
447	488869.6, 3857450.76	1.06E-03	1.67E-07	5.80E-08	1.08E-03	1.70E-07	5.92E-08	1.08E-03	1.70E-07	5.91E-08
448	488919.6, 3857450.76	1.05E-03	1.66E-07	5.78E-08	1.08E-03	1.69E-07	5.90E-08	1.07E-03	1.69E-07	5.89E-08
449	488819.6, 3857500.76	1.09E-03	1.71E-07	5.96E-08	1.11E-03	1.75E-07	6.08E-08	1.11E-03	1.74E-07	6.07E-08
450	488869.6, 3857500.76	1.08E-03	1.71E-07	5.94E-08	1.11E-03	1.74E-07	6.07E-08	1.10E-03	1.74E-07	6.06E-08
451	488919.6, 3857500.76	1.08E-03	1.70E-07	5.93E-08	1.10E-03	1.74E-07	6.05E-08	1.10E-03	1.73E-07	6.04E-08
452	488819.6, 3857550.76	1.11E-03	1.75E-07	6.10E-08	1.14E-03	1.79E-07	6.23E-08	1.13E-03	1.79E-07	6.22E-08
453	488869.6, 3857550.76	1.11E-03	1.75E-07	6.09E-08	1.13E-03	1.78E-07	6.22E-08	1.13E-03	1.78E-07	6.21E-08
454	488919.6, 3857550.76	1.11E-03	1.75E-07	6.08E-08	1.13E-03	1.78E-07	6.20E-08	1.13E-03	1.78E-07	6.20E-08
455	489663.71, 3860900.05	2.20E-03	3.47E-07	1.21E-07	2.25E-03	3.54E-07	1.23E-07	2.25E-03	3.54E-07	1.23E-07
456	489813.71, 3860900.05	2.32E-03	3.66E-07	1.27E-07	2.37E-03	3.73E-07	1.30E-07	2.37E-03	3.73E-07	1.30E-07
457	489863.71, 3860900.05	2.35E-03	3.71E-07	1.29E-07	2.40E-03	3.79E-07	1.32E-07	2.40E-03	3.78E-07	1.32E-07
458	489913.71, 3860900.05	2.40E-03	3.79E-07	1.32E-07	2.45E-03	3.87E-07	1.35E-07	2.45E-03	3.86E-07	1.35E-07
459	489963.71, 3860900.05	2.44E-03	3.85E-07	1.34E-07	2.49E-03	3.92E-07	1.37E-07	2.49E-03	3.92E-07	1.37E-07
460	490013.71, 3860900.05	2.50E-03	3.93E-07	1.37E-07	2.55E-03	4.01E-07	1.40E-07	2.54E-03	4.01E-07	1.40E-07
461	490063.71, 3860900.05	2.55E-03	4.01E-07	1.40E-07	2.60E-03	4.09E-07	1.43E-07	2.59E-03	4.09E-07	1.42E-07
462	489663.71, 3860950.05	2.12E-03	3.34E-07	1.17E-07	2.17E-03	3.41E-07	1.19E-07	2.16E-03	3.41E-07	1.19E-07
463	489813.71, 3860950.05	2.23E-03	3.51E-07	1.22E-07	2.27E-03	3.58E-07	1.25E-07	2.27E-03	3.58E-07	1.25E-07
464	489863.71, 3860950.05	2.26E-03	3.56E-07	1.24E-07	2.30E-03	3.63E-07	1.26E-07	2.30E-03	3.63E-07	1.26E-07
465	489913.71, 3860950.05	2.30E-03	3.62E-07	1.26E-07	2.35E-03	3.70E-07	1.29E-07	2.34E-03	3.69E-07	1.29E-07
466	489963.71, 3860950.05	2.34E-03	3.68E-07	1.28E-07	2.38E-03	3.76E-07	1.31E-07	2.38E-03	3.75E-07	1.31E-07
467	490013.71, 3860950.05	2.38E-03	3.75E-07	1.31E-07	2.43E-03	3.83E-07	1.33E-07	2.43E-03	3.82E-07	1.33E-07
468	490063.71, 3860950.05	2.43E-03	3.82E-07	1.33E-07	2.48E-03	3.90E-07	1.36E-07	2.47E-03	3.90E-07	1.36E-07
469	489513.71, 3861000.05	1.96E-03	3.09E-07	1.08E-07	2.00E-03	3.15E-07	1.10E-07	2.00E-03	3.15E-07	1.10E-07
470	489563.71, 3861000.05	1.99E-03	3.13E-07	1.09E-07	2.03E-03	3.19E-07	1.11E-07	2.02E-03	3.19E-07	1.11E-07
471	489613.71, 3861000.05	2.02E-03	3.18E-07	1.11E-07	2.06E-03	3.25E-07	1.13E-07	2.06E-03	3.24E-07	1.13E-07
472	489663.71, 3861000.05	2.05E-03	3.23E-07	1.12E-07	2.09E-03	3.29E-07	1.15E-07	2.09E-03	3.29E-07	1.15E-07
473	489713.71, 3861000.05	2.08E-03	3.27E-07	1.14E-07	2.12E-03	3.34E-07	1.16E-07	2.12E-03	3.33E-07	1.16E-07
474	489763.71, 3861000.05	2.11E-03	3.32E-07	1.16E-07	2.15E-03	3.39E-07	1.18E-07	2.15E-03	3.38E-07	1.18E-07
475	489813.71, 3861000.05	2.15E-03	3.38E-07	1.18E-07	2.19E-03	3.45E-07	1.20E-07	2.19E-03	3.45E-07	1.20E-07
476	489863.71, 3861000.05	2.17E-03	3.42E-07	1.19E-07	2.22E-03	3.49E-07	1.22E-07	2.21E-03	3.49E-07	1.21E-07
477	489913.71, 3861000.05	2.21E-03	3.48E-07	1.21E-07	2.25E-03	3.55E-07	1.24E-07	2.25E-03	3.55E-07	1.24E-07
478	489963.71, 3861000.05	2.24E-03	3.53E-07	1.23E-07	2.28E-03	3.60E-07	1.25E-07	2.28E-03	3.59E-07	1.25E-07
479	490013.71, 3861000.05	2.28E-03	3.59E-07	1.25E-07	2.32E-03	3.66E-07	1.28E-07	2.32E-03	3.66E-07	1.27E-07
480	490063.71, 3861000.05	2.32E-03	3.65E-07	1.27E-07	2.36E-03	3.72E-07	1.30E-07	2.36E-03	3.72E-07	1.30E-07
481	489513.71, 3861050.05	1.90E-03	2.99E-07	1.04E-07	1.94E-03	3.05E-07	1.06E-07	1.94E-03	3.05E-07	1.06E-07
482	489563.71, 3861050.05	1.92E-03	3.03E-07	1.06E-07	1.96E-03	3.09E-07	1.08E-07	1.96E-03	3.09E-07	1.08E-07
483	489613.71, 3861050.05	1.96E-03	3.08E-07	1.07E-07	2.00E-03	3.15E-07	1.10E-07	1.99E-03	3.14E-07	1.09E-07
484	489663.71, 3861050.05	1.98E-03	3.12E-07	1.09E-07	2.02E-03	3.18E-07	1.11E-07	2.02E-03	3.18E-07	1.11E-07
485	489713.71, 3861050.05	2.00E-03	3.15E-07	1.10E-07	2.04E-03	3.22E-07	1.12E-07	2.04E-03	3.21E-07	1.12E-07
486	489763.71, 3861050.05	2.03E-03	3.20E-07	1.11E-07	2.07E-03	3.26E-07	1.14E-07	2.07E-03	3.26E-07	1.14E-07
487	489813.71, 3861050.05	2.06E-03	3.25E-07	1.13E-07	2.10E-03	3.32E-07	1.15E-07	2.10E-03	3.31E-07	1.15E-07
488	489863.71, 3861050.05	2.09E-03	3.29E-07	1.15E-07	2.13E-03	3.36E-07	1.17E-07	2.13E-03	3.35E-07	1.17E-07
489	489913.71, 3861050.05	2.12E-03	3.34E-07	1.16E-07	2.16E-03	3.41E-07	1.19E-07	2.16E-03	3.40E-07	1.19E-07
490	489963.71, 3861050.05	2.15E-03	3.38E-07	1.18E-07	2.19E-03	3.45E-07	1.20E-07	2.19E-03	3.45E-07	1.20E-07
491	490013.71, 3861050.05	2.19E-03	3.44E-07	1.20E-07	2.23E-03	3.51E-07	1.22E-07	2.23E-03	3.51E-07	1.22E-07
492	490063.71, 3861050.05	2.22E-03	3.49E-07	1.22E-07	2.26E-03	3.57E-07	1.24E-07	2.26E-03	3.56E-07	1.24E-07

493	489513.71, 3861100.05	1.85E-03	2.91E-07	1.01E-07	1.88E-03	2.97E-07	1.03E-07	1.88E-03	2.96E-07	1.03E-07
494	489563.71, 3861100.05	1.86E-03	2.93E-07	1.02E-07	1.90E-03	2.99E-07	1.04E-07	1.90E-03	2.99E-07	1.04E-07
495	489613.71, 3861100.05	1.88E-03	2.96E-07	1.03E-07	1.91E-03	3.02E-07	1.05E-07	1.91E-03	3.01E-07	1.05E-07
496	489663.71, 3861100.05	1.90E-03	3.00E-07	1.04E-07	1.94E-03	3.06E-07	1.07E-07	1.94E-03	3.05E-07	1.06E-07
497	489713.71, 3861100.05	1.93E-03	3.04E-07	1.06E-07	1.97E-03	3.10E-07	1.08E-07	1.97E-03	3.10E-07	1.08E-07
498	489763.71, 3861100.05	1.95E-03	3.08E-07	1.07E-07	1.99E-03	3.14E-07	1.09E-07	1.99E-03	3.14E-07	1.09E-07
499	489813.71, 3861100.05	1.98E-03	3.12E-07	1.09E-07	2.02E-03	3.19E-07	1.11E-07	2.02E-03	3.18E-07	1.11E-07
500	489863.71, 3861100.05	2.02E-03	3.17E-07	1.11E-07	2.06E-03	3.24E-07	1.13E-07	2.05E-03	3.24E-07	1.13E-07
501	489913.71, 3861100.05	2.04E-03	3.21E-07	1.12E-07	2.08E-03	3.27E-07	1.14E-07	2.08E-03	3.27E-07	1.14E-07
502	489963.71, 3861100.05	2.06E-03	3.25E-07	1.13E-07	2.11E-03	3.32E-07	1.16E-07	2.10E-03	3.31E-07	1.15E-07
503	490013.71, 3861100.05	2.09E-03	3.29E-07	1.15E-07	2.13E-03	3.36E-07	1.17E-07	2.13E-03	3.35E-07	1.17E-07
504	490063.71, 3861100.05	2.12E-03	3.34E-07	1.16E-07	2.16E-03	3.41E-07	1.19E-07	2.16E-03	3.40E-07	1.19E-07
505	489713.71, 3861150.05	1.86E-03	2.93E-07	1.02E-07	1.90E-03	2.99E-07	1.04E-07	1.89E-03	2.98E-07	1.04E-07
506	489763.71, 3861150.05	1.88E-03	2.97E-07	1.03E-07	1.92E-03	3.03E-07	1.06E-07	1.92E-03	3.03E-07	1.05E-07
507	489813.71, 3861150.05	1.91E-03	3.01E-07	1.05E-07	1.95E-03	3.07E-07	1.07E-07	1.95E-03	3.07E-07	1.07E-07
508	489863.71, 3861150.05	1.93E-03	3.05E-07	1.06E-07	1.97E-03	3.11E-07	1.08E-07	1.97E-03	3.11E-07	1.08E-07
509	489913.71, 3861150.05	1.96E-03	3.08E-07	1.07E-07	2.00E-03	3.15E-07	1.10E-07	1.99E-03	3.14E-07	1.09E-07
510	489963.71, 3861150.05	1.98E-03	3.12E-07	1.09E-07	2.02E-03	3.18E-07	1.11E-07	2.02E-03	3.18E-07	1.11E-07
511	490013.71, 3861150.05	2.00E-03	3.15E-07	1.10E-07	2.04E-03	3.22E-07	1.12E-07	2.04E-03	3.21E-07	1.12E-07
512	490063.71, 3861150.05	2.03E-03	3.20E-07	1.11E-07	2.07E-03	3.26E-07	1.14E-07	2.07E-03	3.26E-07	1.13E-07
513	489613.71, 3861200.05	1.75E-03	2.75E-07	9.59E-08	1.78E-03	2.81E-07	9.79E-08	1.78E-03	2.81E-07	9.78E-08
514	489663.71, 3861200.05	1.77E-03	2.79E-07	9.72E-08	1.81E-03	2.85E-07	9.92E-08	1.80E-03	2.84E-07	9.90E-08
515	489713.71, 3861200.05	1.79E-03	2.83E-07	9.85E-08	1.83E-03	2.88E-07	1.00E-07	1.83E-03	2.88E-07	1.00E-07
516	489763.71, 3861200.05	1.82E-03	2.86E-07	9.97E-08	1.85E-03	2.92E-07	1.02E-07	1.85E-03	2.92E-07	1.02E-07
517	489813.71, 3861200.05	1.84E-03	2.90E-07	1.01E-07	1.88E-03	2.96E-07	1.03E-07	1.88E-03	2.95E-07	1.03E-07
518	489863.71, 3861200.05	1.87E-03	2.94E-07	1.02E-07	1.90E-03	3.00E-07	1.04E-07	1.90E-03	2.99E-07	1.04E-07
519	489913.71, 3861200.05	1.88E-03	2.97E-07	1.03E-07	1.92E-03	3.03E-07	1.06E-07	1.92E-03	3.03E-07	1.05E-07
520	489963.71, 3861200.05	1.90E-03	3.00E-07	1.04E-07	1.94E-03	3.06E-07	1.07E-07	1.94E-03	3.05E-07	1.06E-07
521	490013.71, 3861200.05	1.92E-03	3.03E-07	1.06E-07	1.96E-03	3.09E-07	1.08E-07	1.96E-03	3.09E-07	1.08E-07
522	490063.71, 3861200.05	1.94E-03	3.06E-07	1.07E-07	1.98E-03	3.13E-07	1.09E-07	1.98E-03	3.12E-07	1.09E-07
523	489513.71, 3861250.05	1.65E-03	2.59E-07	9.04E-08	1.68E-03	2.65E-07	9.22E-08	1.68E-03	2.64E-07	9.21E-08
524	489563.71, 3861250.05	1.67E-03	2.63E-07	9.17E-08	1.70E-03	2.69E-07	9.36E-08	1.70E-03	2.68E-07	9.34E-08
525	489613.71, 3861250.05	1.69E-03	2.67E-07	9.29E-08	1.73E-03	2.72E-07	9.48E-08	1.72E-03	2.72E-07	9.47E-08
526	489663.71, 3861250.05	1.71E-03	2.70E-07	9.39E-08	1.75E-03	2.75E-07	9.58E-08	1.74E-03	2.75E-07	9.57E-08
527	489713.71, 3861250.05	1.73E-03	2.73E-07	9.51E-08	1.77E-03	2.78E-07	9.70E-08	1.77E-03	2.78E-07	9.69E-08
528	489763.71, 3861250.05	1.75E-03	2.76E-07	9.62E-08	1.79E-03	2.82E-07	9.82E-08	1.79E-03	2.81E-07	9.81E-08
529	489813.71, 3861250.05	1.77E-03	2.79E-07	9.73E-08	1.81E-03	2.85E-07	9.93E-08	1.81E-03	2.85E-07	9.92E-08
530	489863.71, 3861250.05	1.79E-03	2.83E-07	9.84E-08	1.83E-03	2.88E-07	1.00E-07	1.83E-03	2.88E-07	1.00E-07
531	489913.71, 3861250.05	1.82E-03	2.86E-07	9.96E-08	1.85E-03	2.92E-07	1.02E-07	1.85E-03	2.91E-07	1.02E-07
532	489963.71, 3861250.05	1.83E-03	2.89E-07	1.01E-07	1.87E-03	2.95E-07	1.03E-07	1.87E-03	2.94E-07	1.03E-07
533	490013.71, 3861250.05	1.85E-03	2.92E-07	1.02E-07	1.89E-03	2.98E-07	1.04E-07	1.89E-03	2.97E-07	1.04E-07
534	490063.71, 3861250.05	1.87E-03	2.94E-07	1.02E-07	1.90E-03	3.00E-07	1.05E-07	1.90E-03	3.00E-07	1.04E-07
535	489528.13, 3861308.47	1.59E-03	2.51E-07	8.73E-08	1.62E-03	2.56E-07	8.91E-08	1.62E-03	2.55E-07	8.90E-08
536	489578.13, 3861308.47	1.61E-03	2.54E-07	8.84E-08	1.64E-03	2.59E-07	9.02E-08	1.64E-03	2.59E-07	9.01E-08
537	489628.13, 3861308.47	1.63E-03	2.57E-07	8.94E-08	1.66E-03	2.62E-07	9.13E-08	1.66E-03	2.62E-07	9.12E-08
538	489678.13, 3861308.47	1.65E-03	2.60E-07	9.05E-08	1.68E-03	2.65E-07	9.24E-08	1.68E-03	2.65E-07	9.23E-08
539	489728.13, 3861308.47	1.67E-03	2.63E-07	9.16E-08	1.70E-03	2.68E-07	9.35E-08	1.70E-03	2.68E-07	9.33E-08
540	489778.13, 3861308.47	1.69E-03	2.66E-07	9.25E-08	1.72E-03	2.71E-07	9.44E-08	1.72E-03	2.71E-07	9.43E-08
541	489678.13, 3861358.47	1.59E-03	2.51E-07	8.74E-08	1.63E-03	2.56E-07	8.92E-08	1.62E-03	2.56E-07	8.91E-08
542	489728.13, 3861358.47	1.61E-03	2.54E-07	8.84E-08	1.64E-03	2.59E-07	9.02E-08	1.64E-03	2.59E-07	9.01E-08
543	489528.13, 3861408.47	1.49E-03	2.35E-07	8.18E-08	1.52E-03	2.39E-07	8.34E-08	1.52E-03	2.39E-07	8.33E-08
544	489578.13, 3861408.47	1.51E-03	2.37E-07	8.27E-08	1.54E-03	2.42E-07	8.44E-08	1.54E-03	2.42E-07	8.43E-08
545	489628.13, 3861408.47	1.53E-03	2.41E-07	8.38E-08	1.56E-03	2.45E-07	8.55E-08	1.56E-03	2.45E-07	8.54E-08
546	489678.13, 3861408.47	1.54E-03	2.43E-07	8.46E-08	1.57E-03	2.48E-07	8.63E-08	1.57E-03	2.47E-07	8.62E-08
547	489728.13, 3861408.47	1.55E-03	2.45E-07	8.53E-08	1.59E-03	2.50E-07	8.71E-08	1.58E-03	2.50E-07	8.70E-08
548	489528.13, 3861458.47	1.44E-03	2.28E-07	7.93E-08	1.47E-03	2.32E-07	8.09E-08	1.47E-03	2.32E-07	8.08E-08
549	489578.13, 3861458.47	1.46E-03	2.30E-07	8.01E-08	1.49E-03	2.35E-07	8.18E-08	1.49E-03	2.34E-07	8.17E-08
550	489628.13, 3861458.47	1.48E-03	2.32E-07	8.10E-08	1.51E-03	2.37E-07	8.26E-08	1.50E-03	2.37E-07	8.25E-08
551	489678.13, 3861458.47	1.49E-03	2.35E-07	8.17E-08	1.52E-03	2.39E-07	8.34E-08	1.52E-03	2.39E-07	8.33E-08
552	489728.13, 3861458.47	1.50E-03	2.36E-07	8.23E-08	1.53E-03	2.41E-07	8.39E-08	1.53E-03	2.41E-07	8.38E-08
553	489528.13, 3861508.47	1.40E-03	2.21E-07	7.68E-08	1.43E-03	2.25E-07	7.84E-08	1.43E-03	2.25E-07	7.83E-08
554	489578.13, 3861508.47	1.41E-03	2.23E-07	7.76E-08	1.44E-03	2.27E-07	7.91E-08	1.44E-03	2.27E-07	7.91E-08

555	489628.13, 3861508.47	1.43E-03	2.25E-07	7.82E-08	1.45E-03	2.29E-07	7.98E-08	1.45E-03	2.29E-07	7.97E-08
556	489678.13, 3861508.47	1.44E-03	2.26E-07	7.89E-08	1.47E-03	2.31E-07	8.05E-08	1.46E-03	2.31E-07	8.04E-08
557	489728.13, 3861508.47	1.45E-03	2.28E-07	7.95E-08	1.48E-03	2.33E-07	8.11E-08	1.48E-03	2.32E-07	8.10E-08
558	489628.13, 3861558.47	1.38E-03	2.18E-07	7.58E-08	1.41E-03	2.22E-07	7.74E-08	1.41E-03	2.22E-07	7.73E-08
559	489678.13, 3861558.47	1.40E-03	2.20E-07	7.66E-08	1.42E-03	2.24E-07	7.82E-08	1.42E-03	2.24E-07	7.81E-08
560	489728.13, 3861558.47	1.41E-03	2.21E-07	7.71E-08	1.43E-03	2.26E-07	7.87E-08	1.43E-03	2.26E-07	7.86E-08
561	489357.08, 3861015.81	1.86E-03	2.92E-07	1.02E-07	1.89E-03	2.98E-07	1.04E-07	1.89E-03	2.98E-07	1.04E-07
562	489407.08, 3861015.81	1.88E-03	2.96E-07	1.03E-07	1.92E-03	3.02E-07	1.05E-07	1.91E-03	3.01E-07	1.05E-07
563	489457.08, 3861015.81	1.90E-03	3.00E-07	1.04E-07	1.94E-03	3.06E-07	1.07E-07	1.94E-03	3.06E-07	1.06E-07
564	489357.08, 3861065.81	1.80E-03	2.83E-07	9.87E-08	1.84E-03	2.89E-07	1.01E-07	1.83E-03	2.89E-07	1.01E-07
565	489407.08, 3861065.81	1.82E-03	2.87E-07	9.98E-08	1.86E-03	2.92E-07	1.02E-07	1.85E-03	2.92E-07	1.02E-07
566	489457.08, 3861065.81	1.84E-03	2.90E-07	1.01E-07	1.88E-03	2.96E-07	1.03E-07	1.88E-03	2.96E-07	1.03E-07
567	489357.08, 3861115.81	1.74E-03	2.75E-07	9.57E-08	1.78E-03	2.80E-07	9.76E-08	1.78E-03	2.80E-07	9.75E-08
568	489407.08, 3861115.81	1.77E-03	2.78E-07	9.70E-08	1.80E-03	2.84E-07	9.90E-08	1.80E-03	2.84E-07	9.88E-08
569	489457.08, 3861115.81	1.79E-03	2.82E-07	9.83E-08	1.83E-03	2.88E-07	1.00E-07	1.83E-03	2.88E-07	1.00E-07
570	489407.08, 3861165.81	1.72E-03	2.70E-07	9.42E-08	1.75E-03	2.76E-07	9.61E-08	1.75E-03	2.76E-07	9.60E-08
571	489457.08, 3861165.81	1.73E-03	2.73E-07	9.52E-08	1.77E-03	2.79E-07	9.72E-08	1.77E-03	2.79E-07	9.70E-08
572	489407.08, 3861215.81	1.65E-03	2.60E-07	9.06E-08	1.68E-03	2.65E-07	9.25E-08	1.68E-03	2.65E-07	9.24E-08
573	489457.08, 3861215.81	1.67E-03	2.63E-07	9.17E-08	1.70E-03	2.68E-07	9.35E-08	1.70E-03	2.68E-07	9.34E-08
574	489407.08, 3861265.81	1.59E-03	2.50E-07	8.72E-08	1.62E-03	2.55E-07	8.89E-08	1.62E-03	2.55E-07	8.88E-08
575	489457.08, 3861265.81	1.61E-03	2.53E-07	8.83E-08	1.64E-03	2.59E-07	9.01E-08	1.64E-03	2.58E-07	9.00E-08
576	489309.86, 3861110.14	1.73E-03	2.72E-07	9.47E-08	1.76E-03	2.77E-07	9.66E-08	1.76E-03	2.77E-07	9.65E-08
577	489407.08, 3861315.81	1.54E-03	2.42E-07	8.44E-08	1.57E-03	2.47E-07	8.62E-08	1.57E-03	2.47E-07	8.61E-08
578	489457.08, 3861315.81	1.56E-03	2.45E-07	8.55E-08	1.59E-03	2.50E-07	8.73E-08	1.59E-03	2.50E-07	8.72E-08
579	488906.03, 3861006.75	1.66E-03	2.62E-07	9.13E-08	1.70E-03	2.67E-07	9.32E-08	1.70E-03	2.67E-07	9.30E-08
580	488956.03, 3861006.75	1.69E-03	2.67E-07	9.30E-08	1.73E-03	2.72E-07	9.49E-08	1.73E-03	2.72E-07	9.48E-08
581	488904.24, 3861051.87	1.65E-03	2.59E-07	9.04E-08	1.68E-03	2.65E-07	9.22E-08	1.68E-03	2.64E-07	9.21E-08
582	488954.24, 3861051.87	1.66E-03	2.61E-07	9.11E-08	1.69E-03	2.67E-07	9.29E-08	1.69E-03	2.66E-07	9.28E-08
583	489004.24, 3861051.87	1.69E-03	2.66E-07	9.28E-08	1.73E-03	2.72E-07	9.47E-08	1.72E-03	2.71E-07	9.46E-08
584	488804.24, 3861101.87	1.54E-03	2.43E-07	8.48E-08	1.58E-03	2.48E-07	8.65E-08	1.57E-03	2.48E-07	8.64E-08
585	488854.24, 3861101.87	1.57E-03	2.48E-07	8.62E-08	1.60E-03	2.53E-07	8.80E-08	1.60E-03	2.52E-07	8.79E-08
586	488904.24, 3861101.87	1.57E-03	2.48E-07	8.63E-08	1.60E-03	2.53E-07	8.80E-08	1.60E-03	2.52E-07	8.79E-08
587	488954.24, 3861101.87	1.59E-03	2.50E-07	8.70E-08	1.62E-03	2.55E-07	8.88E-08	1.62E-03	2.55E-07	8.87E-08
588	489004.24, 3861101.87	1.61E-03	2.53E-07	8.82E-08	1.64E-03	2.58E-07	9.00E-08	1.64E-03	2.58E-07	8.99E-08
589	488804.24, 3861151.87	1.48E-03	2.32E-07	8.10E-08	1.51E-03	2.37E-07	8.26E-08	1.50E-03	2.37E-07	8.25E-08
590	488854.24, 3861151.87	1.49E-03	2.35E-07	8.18E-08	1.52E-03	2.40E-07	8.35E-08	1.52E-03	2.39E-07	8.34E-08
591	489129.49, 3861187.55	1.56E-03	2.46E-07	8.58E-08	1.60E-03	2.51E-07	8.76E-08	1.59E-03	2.51E-07	8.75E-08
592	489179.49, 3861187.55	1.58E-03	2.49E-07	8.68E-08	1.61E-03	2.54E-07	8.86E-08	1.61E-03	2.54E-07	8.85E-08
593	488804.24, 3861201.87	1.44E-03	2.27E-07	7.89E-08	1.47E-03	2.31E-07	8.05E-08	1.47E-03	2.31E-07	8.04E-08
594	488854.24, 3861201.87	1.45E-03	2.28E-07	7.94E-08	1.48E-03	2.33E-07	8.11E-08	1.48E-03	2.32E-07	8.10E-08
595	489129.49, 3861237.55	1.53E-03	2.40E-07	8.37E-08	1.56E-03	2.45E-07	8.54E-08	1.55E-03	2.45E-07	8.53E-08
596	489179.49, 3861237.55	1.54E-03	2.42E-07	8.44E-08	1.57E-03	2.47E-07	8.61E-08	1.57E-03	2.47E-07	8.60E-08
597	488804.24, 3861251.87	1.40E-03	2.21E-07	7.71E-08	1.43E-03	2.26E-07	7.86E-08	1.43E-03	2.25E-07	7.85E-08
598	488854.24, 3861251.87	1.41E-03	2.22E-07	7.75E-08	1.44E-03	2.27E-07	7.90E-08	1.44E-03	2.27E-07	7.90E-08
599	488804.24, 3861301.87	1.37E-03	2.15E-07	7.50E-08	1.39E-03	2.20E-07	7.65E-08	1.39E-03	2.19E-07	7.64E-08
600	488854.24, 3861301.87	1.38E-03	2.17E-07	7.55E-08	1.40E-03	2.21E-07	7.71E-08	1.40E-03	2.21E-07	7.70E-08
601	490943.5, 3860181.97	1.44E-02	2.27E-06	7.90E-07	1.47E-02	2.31E-06	8.06E-07	1.47E-02	2.31E-06	8.05E-07
602	490993.5, 3860181.97	1.58E-02	2.49E-06	8.66E-07	1.61E-02	2.54E-06	8.84E-07	1.61E-02	2.53E-06	8.83E-07
603	491043.5, 3860181.97	1.76E-02	2.77E-06	9.63E-07	1.79E-02	2.82E-06	9.83E-07	1.79E-02	2.82E-06	9.82E-07
604	491093.5, 3860181.97	1.97E-02	3.11E-06	1.08E-06	2.01E-02	3.17E-06	1.11E-06	2.01E-02	3.17E-06	1.10E-06
605	490943.5, 3860231.97	1.25E-02	1.97E-06	6.85E-07	1.27E-02	2.01E-06	6.99E-07	1.27E-02	2.00E-06	6.98E-07
606	490993.5, 3860231.97	1.37E-02	2.16E-06	7.52E-07	1.40E-02	2.20E-06	7.67E-07	1.40E-02	2.20E-06	7.66E-07
607	491043.5, 3860231.97	1.49E-02	2.35E-06	8.17E-07	1.52E-02	2.39E-06	8.34E-07	1.52E-02	2.39E-06	8.33E-07
608	491093.5, 3860231.97	1.64E-02	2.58E-06	8.98E-07	1.67E-02	2.63E-06	9.17E-07	1.67E-02	2.63E-06	9.16E-07
609	490943.5, 3860281.97	1.10E-02	1.73E-06	6.02E-07	1.12E-02	1.76E-06	6.15E-07	1.12E-02	1.76E-06	6.14E-07
610	490993.5, 3860281.97	1.19E-02	1.88E-06	6.53E-07	1.21E-02	1.91E-06	6.67E-07	1.21E-02	1.91E-06	6.66E-07
611	491043.5, 3860281.97	1.29E-02	2.03E-06	7.06E-07	1.31E-02	2.07E-06	7.20E-07	1.31E-02	2.06E-06	7.19E-07
612	491093.5, 3860281.97	1.40E-02	2.20E-06	7.67E-07	1.43E-02	2.25E-06	7.83E-07	1.42E-02	2.24E-06	7.82E-07
613	490943.5, 3860331.97	9.74E-03	1.53E-06	5.34E-07	9.94E-03	1.57E-06	5.45E-07	9.92E-03	1.56E-06	5.45E-07
614	490993.5, 3860331.97	1.04E-02	1.63E-06	5.68E-07	1.06E-02	1.67E-06	5.80E-07	1.06E-02	1.66E-06	5.79E-07
615	491043.5, 3860331.97	1.11E-02	1.75E-06	6.09E-07	1.13E-02	1.78E-06	6.21E-07	1.13E-02	1.78E-06	6.21E-07
616	491093.5, 3860331.97	1.20E-02	1.89E-06	6.57E-07	1.22E-02	1.92E-06	6.70E-07	1.22E-02	1.92E-06	6.70E-07

617	490086.72, 3859935.12	1.04E-02	1.63E-06	5.69E-07	1.06E-02	1.67E-06	5.80E-07	1.06E-02	1.66E-06	5.80E-07
618	490136.72, 3859935.12	1.09E-02	1.72E-06	6.01E-07	1.12E-02	1.76E-06	6.13E-07	1.12E-02	1.76E-06	6.12E-07
619	490186.72, 3859935.12	1.16E-02	1.83E-06	6.37E-07	1.18E-02	1.86E-06	6.50E-07	1.18E-02	1.86E-06	6.49E-07
620	490236.72, 3859935.12	1.23E-02	1.94E-06	6.76E-07	1.26E-02	1.98E-06	6.90E-07	1.25E-02	1.98E-06	6.89E-07
621	490286.72, 3859935.12	1.31E-02	2.06E-06	7.17E-07	1.33E-02	2.10E-06	7.31E-07	1.33E-02	2.10E-06	7.30E-07
622	490336.72, 3859935.12	1.39E-02	2.19E-06	7.62E-07	1.42E-02	2.23E-06	7.77E-07	1.41E-02	2.23E-06	7.76E-07
623	490386.72, 3859935.12	1.48E-02	2.34E-06	8.15E-07	1.52E-02	2.39E-06	8.32E-07	1.51E-02	2.38E-06	8.31E-07
624	490436.72, 3859935.12	1.59E-02	2.51E-06	8.74E-07	1.63E-02	2.56E-06	8.92E-07	1.62E-02	2.56E-06	8.91E-07
625	490486.72, 3859935.12	1.72E-02	2.71E-06	9.46E-07	1.76E-02	2.77E-06	9.65E-07	1.76E-02	2.77E-06	9.64E-07
626	490536.72, 3859935.12	1.91E-02	3.01E-06	1.05E-06	1.95E-02	3.07E-06	1.07E-06	1.95E-02	3.07E-06	1.07E-06
627	490586.72, 3859935.12	2.16E-02	3.40E-06	1.18E-06	2.20E-02	3.46E-06	1.21E-06	2.20E-02	3.46E-06	1.21E-06
628	490636.72, 3859935.12	2.42E-02	3.81E-06	1.33E-06	2.47E-02	3.88E-06	1.35E-06	2.46E-02	3.88E-06	1.35E-06
629	490686.72, 3859935.12	2.83E-02	4.46E-06	1.55E-06	2.89E-02	4.55E-06	1.59E-06	2.89E-02	4.55E-06	1.58E-06
630	490736.72, 3859935.12	3.33E-02	5.24E-06	1.83E-06	3.39E-02	5.35E-06	1.86E-06	3.39E-02	5.34E-06	1.86E-06
631	490086.72, 3859985.12	9.19E-03	1.45E-06	5.04E-07	9.38E-03	1.48E-06	5.15E-07	9.37E-03	1.48E-06	5.14E-07
632	490136.72, 3859985.12	9.64E-03	1.52E-06	5.29E-07	9.84E-03	1.55E-06	5.40E-07	9.83E-03	1.55E-06	5.39E-07
633	490186.72, 3859985.12	1.02E-02	1.60E-06	5.58E-07	1.04E-02	1.63E-06	5.69E-07	1.04E-02	1.63E-06	5.69E-07
634	490236.72, 3859985.12	1.08E-02	1.70E-06	5.91E-07	1.10E-02	1.73E-06	6.03E-07	1.10E-02	1.73E-06	6.02E-07
635	490286.72, 3859985.12	1.13E-02	1.79E-06	6.23E-07	1.16E-02	1.82E-06	6.35E-07	1.16E-02	1.82E-06	6.35E-07
636	490336.72, 3859985.12	1.20E-02	1.88E-06	6.57E-07	1.22E-02	1.92E-06	6.70E-07	1.22E-02	1.92E-06	6.69E-07
637	490386.72, 3859985.12	1.26E-02	1.98E-06	6.90E-07	1.28E-02	2.02E-06	7.04E-07	1.28E-02	2.02E-06	7.03E-07
638	490436.72, 3859985.12	1.33E-02	2.10E-06	7.31E-07	1.36E-02	2.14E-06	7.45E-07	1.36E-02	2.14E-06	7.45E-07
639	490486.72, 3859985.12	1.42E-02	2.24E-06	7.80E-07	1.45E-02	2.28E-06	7.96E-07	1.45E-02	2.28E-06	7.95E-07
640	490536.72, 3859985.12	1.53E-02	2.42E-06	8.42E-07	1.57E-02	2.47E-06	8.60E-07	1.56E-02	2.46E-06	8.59E-07
641	490586.72, 3859985.12	1.68E-02	2.64E-06	9.21E-07	1.71E-02	2.70E-06	9.40E-07	1.71E-02	2.69E-06	9.39E-07
642	490636.72, 3859985.12	1.86E-02	2.93E-06	1.02E-06	1.90E-02	2.99E-06	1.04E-06	1.89E-02	2.98E-06	1.04E-06
643	490686.72, 3859985.12	2.11E-02	3.32E-06	1.16E-06	2.15E-02	3.38E-06	1.18E-06	2.15E-02	3.38E-06	1.18E-06
644	490736.72, 3859985.12	2.34E-02	3.69E-06	1.29E-06	2.39E-02	3.76E-06	1.31E-06	2.39E-02	3.76E-06	1.31E-06
645	490786.72, 3859985.12	2.64E-02	4.15E-06	1.45E-06	2.69E-02	4.24E-06	1.48E-06	2.69E-02	4.23E-06	1.47E-06
646	490086.72, 3860035.12	8.25E-03	1.30E-06	4.53E-07	8.42E-03	1.33E-06	4.62E-07	8.41E-03	1.32E-06	4.61E-07
647	490136.72, 3860035.12	8.62E-03	1.36E-06	4.73E-07	8.80E-03	1.39E-06	4.83E-07	8.79E-03	1.38E-06	4.82E-07
648	490186.72, 3860035.12	9.03E-03	1.42E-06	4.95E-07	9.21E-03	1.45E-06	5.06E-07	9.20E-03	1.45E-06	5.05E-07
649	490236.72, 3860035.12	9.47E-03	1.49E-06	5.20E-07	9.66E-03	1.52E-06	5.30E-07	9.65E-03	1.52E-06	5.30E-07
650	490286.72, 3860035.12	9.92E-03	1.56E-06	5.45E-07	1.01E-02	1.60E-06	5.56E-07	1.01E-02	1.59E-06	5.55E-07
651	490336.72, 3860035.12	1.05E-02	1.65E-06	5.74E-07	1.07E-02	1.68E-06	5.86E-07	1.07E-02	1.68E-06	5.85E-07
652	490386.72, 3860035.12	1.09E-02	1.72E-06	6.00E-07	1.12E-02	1.76E-06	6.12E-07	1.11E-02	1.76E-06	6.12E-07
653	490436.72, 3860035.12	1.15E-02	1.81E-06	6.30E-07	1.17E-02	1.85E-06	6.43E-07	1.17E-02	1.84E-06	6.42E-07
654	490486.72, 3860035.12	1.21E-02	1.91E-06	6.66E-07	1.24E-02	1.95E-06	6.79E-07	1.24E-02	1.95E-06	6.78E-07
655	490536.72, 3860035.12	1.29E-02	2.04E-06	7.10E-07	1.32E-02	2.08E-06	7.24E-07	1.32E-02	2.08E-06	7.23E-07
656	490586.72, 3860035.12	1.38E-02	2.18E-06	7.59E-07	1.41E-02	2.22E-06	7.75E-07	1.41E-02	2.22E-06	7.74E-07
657	490636.72, 3860035.12	1.48E-02	2.33E-06	8.12E-07	1.51E-02	2.38E-06	8.28E-07	1.51E-02	2.37E-06	8.27E-07
658	490686.72, 3860035.12	1.62E-02	2.54E-06	8.86E-07	1.65E-02	2.60E-06	9.05E-07	1.65E-02	2.59E-06	9.03E-07
659	490736.72, 3860035.12	1.81E-02	2.85E-06	9.93E-07	1.85E-02	2.91E-06	1.01E-06	1.84E-02	2.90E-06	1.01E-06
660	490786.72, 3860035.12	1.99E-02	3.13E-06	1.09E-06	2.03E-02	3.19E-06	1.11E-06	2.02E-02	3.19E-06	1.11E-06
661	490836.72, 3860035.12	2.20E-02	3.46E-06	1.21E-06	2.24E-02	3.53E-06	1.23E-06	2.24E-02	3.53E-06	1.23E-06
662	490086.72, 3860085.12	7.54E-03	1.19E-06	4.14E-07	7.69E-03	1.21E-06	4.22E-07	7.69E-03	1.21E-06	4.22E-07
663	490136.72, 3860085.12	7.78E-03	1.23E-06	4.27E-07	7.94E-03	1.25E-06	4.36E-07	7.93E-03	1.25E-06	4.35E-07
664	490186.72, 3860085.12	8.15E-03	1.28E-06	4.47E-07	8.31E-03	1.31E-06	4.56E-07	8.30E-03	1.31E-06	4.56E-07
665	490236.72, 3860085.12	8.50E-03	1.34E-06	4.66E-07	8.67E-03	1.37E-06	4.76E-07	8.66E-03	1.36E-06	4.75E-07
666	490286.72, 3860085.12	8.87E-03	1.40E-06	4.87E-07	9.05E-03	1.43E-06	4.97E-07	9.04E-03	1.42E-06	4.96E-07
667	490336.72, 3860085.12	9.25E-03	1.46E-06	5.07E-07	9.44E-03	1.49E-06	5.18E-07	9.42E-03	1.48E-06	5.17E-07
668	490386.72, 3860085.12	9.66E-03	1.52E-06	5.30E-07	9.85E-03	1.55E-06	5.41E-07	9.84E-03	1.55E-06	5.40E-07
669	490436.72, 3860085.12	1.01E-02	1.59E-06	5.54E-07	1.03E-02	1.62E-06	5.66E-07	1.03E-02	1.62E-06	5.65E-07
670	490486.72, 3860085.12	1.06E-02	1.66E-06	5.80E-07	1.08E-02	1.70E-06	5.92E-07	1.08E-02	1.70E-06	5.91E-07
671	490536.72, 3860085.12	1.12E-02	1.76E-06	6.13E-07	1.14E-02	1.79E-06	6.25E-07	1.14E-02	1.79E-06	6.24E-07
672	490586.72, 3860085.12	1.18E-02	1.86E-06	6.50E-07	1.21E-02	1.90E-06	6.63E-07	1.21E-02	1.90E-06	6.62E-07
673	490636.72, 3860085.12	1.25E-02	1.98E-06	6.88E-07	1.28E-02	2.02E-06	7.03E-07	1.28E-02	2.01E-06	7.02E-07
674	490686.72, 3860085.12	1.35E-02	2.12E-06	7.39E-07	1.37E-02	2.17E-06	7.54E-07	1.37E-02	2.16E-06	7.53E-07
675	490736.72, 3860085.12	1.46E-02	2.30E-06	8.02E-07	1.49E-02	2.35E-06	8.18E-07	1.49E-02	2.35E-06	8.18E-07
676	490786.72, 3860085.12	1.60E-02	2.51E-06	8.76E-07	1.63E-02	2.57E-06	8.94E-07	1.63E-02	2.56E-06	8.93E-07
677	490836.72, 3860085.12	1.74E-02	2.74E-06	9.53E-07	1.77E-02	2.79E-06	9.73E-07	1.77E-02	2.79E-06	9.72E-07
678	490086.72, 3860135.12	6.77E-03	1.07E-06	3.72E-07	6.91E-03	1.09E-06	3.79E-07	6.90E-03	1.09E-06	3.79E-07

679	490136.72, 3860135.12	7.06E-03	1.11E-06	3.87E-07	7.20E-03	1.13E-06	3.95E-07	7.19E-03	1.13E-06	3.95E-07
680	490186.72, 3860135.12	7.37E-03	1.16E-06	4.04E-07	7.52E-03	1.18E-06	4.13E-07	7.51E-03	1.18E-06	4.12E-07
681	490236.72, 3860135.12	7.66E-03	1.21E-06	4.20E-07	7.81E-03	1.23E-06	4.29E-07	7.80E-03	1.23E-06	4.28E-07
682	490286.72, 3860135.12	7.98E-03	1.26E-06	4.38E-07	8.14E-03	1.28E-06	4.47E-07	8.13E-03	1.28E-06	4.46E-07
683	490336.72, 3860135.12	8.31E-03	1.31E-06	4.56E-07	8.48E-03	1.34E-06	4.65E-07	8.47E-03	1.33E-06	4.65E-07
684	490386.72, 3860135.12	8.64E-03	1.36E-06	4.74E-07	8.82E-03	1.39E-06	4.84E-07	8.81E-03	1.39E-06	4.84E-07
685	490436.72, 3860135.12	8.99E-03	1.42E-06	4.93E-07	9.17E-03	1.44E-06	5.03E-07	9.16E-03	1.44E-06	5.03E-07
686	490486.72, 3860135.12	9.38E-03	1.48E-06	5.15E-07	9.57E-03	1.51E-06	5.25E-07	9.56E-03	1.51E-06	5.25E-07
687	490536.72, 3860135.12	9.86E-03	1.55E-06	5.41E-07	1.01E-02	1.58E-06	5.52E-07	1.00E-02	1.58E-06	5.51E-07
688	490586.72, 3860135.12	1.04E-02	1.63E-06	5.69E-07	1.06E-02	1.67E-06	5.80E-07	1.06E-02	1.66E-06	5.80E-07
689	490636.72, 3860135.12	1.09E-02	1.72E-06	5.99E-07	1.11E-02	1.76E-06	6.12E-07	1.11E-02	1.75E-06	6.11E-07
690	490686.72, 3860135.12	1.16E-02	1.82E-06	6.34E-07	1.18E-02	1.86E-06	6.47E-07	1.18E-02	1.85E-06	6.46E-07
691	490736.72, 3860135.12	1.23E-02	1.94E-06	6.77E-07	1.26E-02	1.98E-06	6.90E-07	1.26E-02	1.98E-06	6.90E-07
692	490786.72, 3860135.12	1.33E-02	2.10E-06	7.32E-07	1.36E-02	2.14E-06	7.47E-07	1.36E-02	2.14E-06	7.46E-07
693	490836.72, 3860135.12	1.44E-02	2.26E-06	7.88E-07	1.47E-02	2.31E-06	8.04E-07	1.46E-02	2.31E-06	8.03E-07
694	490086.72, 3860185.12	6.19E-03	9.75E-07	3.40E-07	6.32E-03	9.95E-07	3.47E-07	6.31E-03	9.94E-07	3.46E-07
695	490136.72, 3860185.12	6.46E-03	1.02E-06	3.54E-07	6.59E-03	1.04E-06	3.62E-07	6.58E-03	1.04E-06	3.61E-07
696	490186.72, 3860185.12	6.72E-03	1.06E-06	3.69E-07	6.85E-03	1.08E-06	3.76E-07	6.85E-03	1.08E-06	3.76E-07
697	490236.72, 3860185.12	6.97E-03	1.10E-06	3.82E-07	7.11E-03	1.12E-06	3.90E-07	7.10E-03	1.12E-06	3.90E-07
698	490286.72, 3860185.12	7.23E-03	1.14E-06	3.97E-07	7.38E-03	1.16E-06	4.05E-07	7.37E-03	1.16E-06	4.04E-07
699	490336.72, 3860185.12	7.50E-03	1.18E-06	4.12E-07	7.66E-03	1.21E-06	4.20E-07	7.65E-03	1.20E-06	4.20E-07
700	490386.72, 3860185.12	7.79E-03	1.23E-06	4.28E-07	7.95E-03	1.25E-06	4.37E-07	7.94E-03	1.25E-06	4.36E-07
701	490436.72, 3860185.12	8.10E-03	1.28E-06	4.45E-07	8.27E-03	1.30E-06	4.54E-07	8.26E-03	1.30E-06	4.53E-07
702	490486.72, 3860185.12	8.42E-03	1.33E-06	4.62E-07	8.59E-03	1.35E-06	4.72E-07	8.58E-03	1.35E-06	4.71E-07
703	490536.72, 3860185.12	8.80E-03	1.39E-06	4.83E-07	8.98E-03	1.41E-06	4.93E-07	8.96E-03	1.41E-06	4.92E-07
704	490586.72, 3860185.12	9.24E-03	1.46E-06	5.07E-07	9.43E-03	1.49E-06	5.17E-07	9.42E-03	1.48E-06	5.17E-07
705	490636.72, 3860185.12	9.67E-03	1.52E-06	5.31E-07	9.87E-03	1.55E-06	5.41E-07	9.85E-03	1.55E-06	5.41E-07
706	490686.72, 3860185.12	1.02E-02	1.61E-06	5.60E-07	1.04E-02	1.64E-06	5.71E-07	1.04E-02	1.64E-06	5.71E-07
707	490736.72, 3860185.12	1.07E-02	1.69E-06	5.90E-07	1.10E-02	1.73E-06	6.02E-07	1.09E-02	1.72E-06	6.01E-07
708	490786.72, 3860185.12	1.15E-02	1.80E-06	6.29E-07	1.17E-02	1.84E-06	6.41E-07	1.17E-02	1.84E-06	6.41E-07
709	490836.72, 3860185.12	1.23E-02	1.93E-06	6.73E-07	1.25E-02	1.97E-06	6.87E-07	1.25E-02	1.97E-06	6.86E-07
710	490086.72, 3860235.12	5.71E-03	9.00E-07	3.13E-07	5.83E-03	9.18E-07	3.20E-07	5.82E-03	9.17E-07	3.19E-07
711	490136.72, 3860235.12	5.93E-03	9.34E-07	3.25E-07	6.05E-03	9.53E-07	3.32E-07	6.04E-03	9.52E-07	3.32E-07
712	490186.72, 3860235.12	6.15E-03	9.70E-07	3.38E-07	6.28E-03	9.89E-07	3.45E-07	6.27E-03	9.88E-07	3.44E-07
713	490236.72, 3860235.12	6.38E-03	1.00E-06	3.50E-07	6.51E-03	1.03E-06	3.57E-07	6.50E-03	1.02E-06	3.57E-07
714	490286.72, 3860235.12	6.60E-03	1.04E-06	3.62E-07	6.74E-03	1.06E-06	3.70E-07	6.73E-03	1.06E-06	3.69E-07
715	490336.72, 3860235.12	6.85E-03	1.08E-06	3.76E-07	6.98E-03	1.10E-06	3.83E-07	6.98E-03	1.10E-06	3.83E-07
716	490386.72, 3860235.12	7.10E-03	1.12E-06	3.89E-07	7.24E-03	1.14E-06	3.97E-07	7.23E-03	1.14E-06	3.97E-07
717	490436.72, 3860235.12	7.37E-03	1.16E-06	4.04E-07	7.52E-03	1.18E-06	4.12E-07	7.51E-03	1.18E-06	4.12E-07
718	490486.72, 3860235.12	7.64E-03	1.20E-06	4.19E-07	7.79E-03	1.23E-06	4.28E-07	7.79E-03	1.23E-06	4.27E-07
719	490536.72, 3860235.12	7.95E-03	1.25E-06	4.36E-07	8.12E-03	1.28E-06	4.45E-07	8.11E-03	1.28E-06	4.45E-07
720	490586.72, 3860235.12	8.31E-03	1.31E-06	4.56E-07	8.48E-03	1.34E-06	4.65E-07	8.47E-03	1.33E-06	4.65E-07
721	490636.72, 3860235.12	8.69E-03	1.37E-06	4.77E-07	8.87E-03	1.40E-06	4.87E-07	8.86E-03	1.40E-06	4.86E-07
722	490686.72, 3860235.12	9.12E-03	1.44E-06	5.01E-07	9.31E-03	1.47E-06	5.11E-07	9.30E-03	1.46E-06	5.10E-07
723	490736.72, 3860235.12	9.59E-03	1.51E-06	5.26E-07	9.78E-03	1.54E-06	5.37E-07	9.77E-03	1.54E-06	5.36E-07
724	490786.72, 3860235.12	1.01E-02	1.59E-06	5.55E-07	1.03E-02	1.63E-06	5.66E-07	1.03E-02	1.62E-06	5.66E-07
725	490086.72, 3860285.12	5.29E-03	8.33E-07	2.90E-07	5.39E-03	8.50E-07	2.96E-07	5.39E-03	8.49E-07	2.96E-07
726	490136.72, 3860285.12	5.48E-03	8.63E-07	3.01E-07	5.59E-03	8.80E-07	3.07E-07	5.58E-03	8.79E-07	3.06E-07
727	490186.72, 3860285.12	5.67E-03	8.93E-07	3.11E-07	5.78E-03	9.11E-07	3.17E-07	5.77E-03	9.10E-07	3.17E-07
728	490236.72, 3860285.12	5.87E-03	9.25E-07	3.22E-07	5.99E-03	9.44E-07	3.29E-07	5.98E-03	9.43E-07	3.28E-07
729	490286.72, 3860285.12	6.07E-03	9.56E-07	3.33E-07	6.19E-03	9.75E-07	3.40E-07	6.18E-03	9.74E-07	3.39E-07
730	490336.72, 3860285.12	6.27E-03	9.88E-07	3.44E-07	6.40E-03	1.01E-06	3.51E-07	6.39E-03	1.01E-06	3.51E-07
731	490386.72, 3860285.12	6.50E-03	1.02E-06	3.57E-07	6.63E-03	1.04E-06	3.64E-07	6.62E-03	1.04E-06	3.64E-07
732	490436.72, 3860285.12	6.73E-03	1.06E-06	3.69E-07	6.87E-03	1.08E-06	3.77E-07	6.86E-03	1.08E-06	3.76E-07
733	490486.72, 3860285.12	6.98E-03	1.10E-06	3.83E-07	7.12E-03	1.12E-06	3.91E-07	7.11E-03	1.12E-06	3.90E-07
734	490536.72, 3860285.12	7.23E-03	1.14E-06	3.97E-07	7.38E-03	1.16E-06	4.05E-07	7.37E-03	1.16E-06	4.05E-07
735	490586.72, 3860285.12	7.52E-03	1.18E-06	4.13E-07	7.67E-03	1.21E-06	4.21E-07	7.66E-03	1.21E-06	4.21E-07
736	490636.72, 3860285.12	7.85E-03	1.24E-06	4.31E-07	8.01E-03	1.26E-06	4.39E-07	8.00E-03	1.26E-06	4.39E-07
737	490686.72, 3860285.12	8.22E-03	1.29E-06	4.51E-07	8.39E-03	1.32E-06	4.60E-07	8.38E-03	1.32E-06	4.60E-07
738	490736.72, 3860285.12	8.62E-03	1.36E-06	4.73E-07	8.79E-03	1.39E-06	4.83E-07	8.78E-03	1.38E-06	4.82E-07
739	490786.72, 3860285.12	9.07E-03	1.43E-06	4.98E-07	9.26E-03	1.46E-06	5.08E-07	9.25E-03	1.46E-06	5.08E-07
740	490086.72, 3860335.12	4.91E-03	7.74E-07	2.70E-07	5.01E-03	7.89E-07	2.75E-07	5.01E-03	7.88E-07	2.75E-07

741	490136.72, 3860335.12	5.08E-03	8.01E-07	2.79E-07	5.19E-03	8.17E-07	2.85E-07	5.18E-03	8.16E-07	2.84E-07
742	490186.72, 3860335.12	5.25E-03	8.27E-07	2.88E-07	5.36E-03	8.44E-07	2.94E-07	5.35E-03	8.43E-07	2.94E-07
743	490236.72, 3860335.12	5.43E-03	8.56E-07	2.98E-07	5.54E-03	8.73E-07	3.04E-07	5.54E-03	8.72E-07	3.04E-07
744	490286.72, 3860335.12	5.60E-03	8.83E-07	3.08E-07	5.72E-03	9.01E-07	3.14E-07	5.71E-03	9.00E-07	3.14E-07
745	490336.72, 3860335.12	5.78E-03	9.11E-07	3.17E-07	5.90E-03	9.29E-07	3.24E-07	5.89E-03	9.28E-07	3.23E-07
746	490386.72, 3860335.12	5.98E-03	9.41E-07	3.28E-07	6.10E-03	9.61E-07	3.35E-07	6.09E-03	9.60E-07	3.34E-07
747	490436.72, 3860335.12	6.18E-03	9.74E-07	3.39E-07	6.31E-03	9.94E-07	3.46E-07	6.30E-03	9.93E-07	3.46E-07
748	490486.72, 3860335.12	6.40E-03	1.01E-06	3.51E-07	6.53E-03	1.03E-06	3.58E-07	6.52E-03	1.03E-06	3.58E-07
749	490536.72, 3860335.12	6.64E-03	1.05E-06	3.64E-07	6.78E-03	1.07E-06	3.72E-07	6.77E-03	1.07E-06	3.71E-07
750	490586.72, 3860335.12	6.88E-03	1.08E-06	3.78E-07	7.02E-03	1.11E-06	3.85E-07	7.01E-03	1.10E-06	3.85E-07
751	490636.72, 3860335.12	7.16E-03	1.13E-06	3.93E-07	7.30E-03	1.15E-06	4.01E-07	7.29E-03	1.15E-06	4.00E-07
752	490686.72, 3860335.12	7.46E-03	1.18E-06	4.10E-07	7.61E-03	1.20E-06	4.18E-07	7.61E-03	1.20E-06	4.17E-07
753	490736.72, 3860335.12	7.80E-03	1.23E-06	4.28E-07	7.96E-03	1.25E-06	4.37E-07	7.95E-03	1.25E-06	4.36E-07
754	490786.72, 3860335.12	8.22E-03	1.29E-06	4.51E-07	8.38E-03	1.32E-06	4.60E-07	8.37E-03	1.32E-06	4.60E-07
755	490086.72, 3860385.12	4.58E-03	7.22E-07	2.52E-07	4.68E-03	7.37E-07	2.57E-07	4.67E-03	7.36E-07	2.56E-07
756	490136.72, 3860385.12	4.74E-03	7.47E-07	2.60E-07	4.84E-03	7.62E-07	2.65E-07	4.83E-03	7.61E-07	2.65E-07
757	490186.72, 3860385.12	4.88E-03	7.69E-07	2.68E-07	4.98E-03	7.84E-07	2.73E-07	4.97E-03	7.83E-07	2.73E-07
758	490236.72, 3860385.12	5.04E-03	7.94E-07	2.76E-07	5.14E-03	8.10E-07	2.82E-07	5.13E-03	8.09E-07	2.82E-07
759	490286.72, 3860385.12	5.19E-03	8.18E-07	2.85E-07	5.30E-03	8.35E-07	2.91E-07	5.29E-03	8.34E-07	2.90E-07
760	490336.72, 3860385.12	5.36E-03	8.44E-07	2.94E-07	5.46E-03	8.61E-07	3.00E-07	5.46E-03	8.60E-07	3.00E-07
761	490386.72, 3860385.12	5.52E-03	8.70E-07	3.03E-07	5.64E-03	8.88E-07	3.09E-07	5.63E-03	8.87E-07	3.09E-07
762	490436.72, 3860385.12	5.71E-03	8.99E-07	3.13E-07	5.82E-03	9.17E-07	3.20E-07	5.81E-03	9.16E-07	3.19E-07
763	490486.72, 3860385.12	5.90E-03	9.30E-07	3.24E-07	6.03E-03	9.49E-07	3.31E-07	6.02E-03	9.48E-07	3.30E-07
764	490536.72, 3860385.12	6.11E-03	9.63E-07	3.35E-07	6.24E-03	9.82E-07	3.42E-07	6.23E-03	9.81E-07	3.42E-07
765	490586.72, 3860385.12	6.33E-03	9.98E-07	3.48E-07	6.46E-03	1.02E-06	3.55E-07	6.45E-03	1.02E-06	3.54E-07
766	490636.72, 3860385.12	6.56E-03	1.03E-06	3.60E-07	6.70E-03	1.05E-06	3.67E-07	6.69E-03	1.05E-06	3.67E-07
767	490686.72, 3860385.12	6.83E-03	1.08E-06	3.75E-07	6.97E-03	1.10E-06	3.83E-07	6.96E-03	1.10E-06	3.82E-07
768	490736.72, 3860385.12	7.11E-03	1.12E-06	3.90E-07	7.25E-03	1.14E-06	3.98E-07	7.24E-03	1.14E-06	3.98E-07
769	490786.72, 3860385.12	7.43E-03	1.17E-06	4.08E-07	7.58E-03	1.19E-06	4.16E-07	7.57E-03	1.19E-06	4.15E-07
770	490136.72, 3860435.12	4.42E-03	6.96E-07	2.43E-07	4.51E-03	7.11E-07	2.48E-07	4.51E-03	7.10E-07	2.47E-07
771	490186.72, 3860435.12	4.56E-03	7.18E-07	2.50E-07	4.65E-03	7.33E-07	2.55E-07	4.65E-03	7.32E-07	2.55E-07
772	490236.72, 3860435.12	4.69E-03	7.40E-07	2.58E-07	4.79E-03	7.55E-07	2.63E-07	4.78E-03	7.54E-07	2.63E-07
773	490286.72, 3860435.12	4.83E-03	7.61E-07	2.65E-07	4.93E-03	7.77E-07	2.71E-07	4.93E-03	7.76E-07	2.70E-07
774	490336.72, 3860435.12	4.97E-03	7.83E-07	2.73E-07	5.07E-03	7.99E-07	2.78E-07	5.07E-03	7.98E-07	2.78E-07
775	490386.72, 3860435.12	5.13E-03	8.07E-07	2.81E-07	5.23E-03	8.24E-07	2.87E-07	5.22E-03	8.23E-07	2.87E-07
776	490436.72, 3860435.12	5.29E-03	8.33E-07	2.90E-07	5.39E-03	8.50E-07	2.96E-07	5.39E-03	8.49E-07	2.96E-07
777	490486.72, 3860435.12	5.46E-03	8.60E-07	3.00E-07	5.57E-03	8.77E-07	3.06E-07	5.56E-03	8.76E-07	3.05E-07
778	490536.72, 3860435.12	5.64E-03	8.89E-07	3.10E-07	5.76E-03	9.07E-07	3.16E-07	5.75E-03	9.06E-07	3.16E-07
779	490586.72, 3860435.12	5.83E-03	9.19E-07	3.20E-07	5.95E-03	9.38E-07	3.27E-07	5.95E-03	9.37E-07	3.26E-07
780	490636.72, 3860435.12	6.03E-03	9.51E-07	3.31E-07	6.16E-03	9.70E-07	3.38E-07	6.15E-03	9.69E-07	3.38E-07
781	490686.72, 3860435.12	6.26E-03	9.87E-07	3.44E-07	6.39E-03	1.01E-06	3.51E-07	6.38E-03	1.01E-06	3.50E-07
782	490736.72, 3860435.12	6.52E-03	1.03E-06	3.58E-07	6.65E-03	1.05E-06	3.65E-07	6.65E-03	1.05E-06	3.65E-07
783	490786.72, 3860435.12	6.78E-03	1.07E-06	3.72E-07	6.92E-03	1.09E-06	3.80E-07	6.91E-03	1.09E-06	3.79E-07
784	490136.72, 3860485.12	4.16E-03	6.55E-07	2.28E-07	4.24E-03	6.68E-07	2.33E-07	4.24E-03	6.67E-07	2.32E-07
785	490186.72, 3860485.12	4.27E-03	6.73E-07	2.34E-07	4.36E-03	6.87E-07	2.39E-07	4.35E-03	6.86E-07	2.39E-07
786	490236.72, 3860485.12	4.39E-03	6.91E-07	2.41E-07	4.48E-03	7.05E-07	2.46E-07	4.47E-03	7.04E-07	2.45E-07
787	490286.72, 3860485.12	4.52E-03	7.11E-07	2.48E-07	4.61E-03	7.26E-07	2.53E-07	4.60E-03	7.25E-07	2.53E-07
788	490336.72, 3860485.12	4.64E-03	7.31E-07	2.55E-07	4.73E-03	7.46E-07	2.60E-07	4.73E-03	7.45E-07	2.60E-07
789	490386.72, 3860485.12	4.78E-03	7.53E-07	2.62E-07	4.88E-03	7.68E-07	2.68E-07	4.87E-03	7.67E-07	2.67E-07
790	490436.72, 3860485.12	4.93E-03	7.77E-07	2.71E-07	5.03E-03	7.93E-07	2.76E-07	5.03E-03	7.92E-07	2.76E-07
791	490486.72, 3860485.12	5.08E-03	8.00E-07	2.79E-07	5.18E-03	8.16E-07	2.84E-07	5.18E-03	8.15E-07	2.84E-07
792	490536.72, 3860485.12	5.23E-03	8.24E-07	2.87E-07	5.33E-03	8.40E-07	2.93E-07	5.33E-03	8.39E-07	2.92E-07
793	490586.72, 3860485.12	5.39E-03	8.49E-07	2.96E-07	5.50E-03	8.67E-07	3.02E-07	5.49E-03	8.66E-07	3.02E-07
794	490636.72, 3860485.12	5.58E-03	8.79E-07	3.06E-07	5.69E-03	8.97E-07	3.12E-07	5.69E-03	8.96E-07	3.12E-07
795	490686.72, 3860485.12	5.76E-03	9.08E-07	3.16E-07	5.88E-03	9.26E-07	3.23E-07	5.87E-03	9.25E-07	3.22E-07
796	490736.72, 3860485.12	5.98E-03	9.42E-07	3.28E-07	6.10E-03	9.61E-07	3.35E-07	6.10E-03	9.60E-07	3.35E-07
797	490786.72, 3860485.12	6.21E-03	9.79E-07	3.41E-07	6.34E-03	9.99E-07	3.48E-07	6.33E-03	9.98E-07	3.48E-07
798	490136.72, 3860535.12	3.91E-03	6.16E-07	2.15E-07	3.99E-03	6.29E-07	2.19E-07	3.99E-03	6.28E-07	2.19E-07
799	490186.72, 3860535.12	4.04E-03	6.36E-07	2.21E-07	4.12E-03	6.49E-07	2.26E-07	4.11E-03	6.48E-07	2.26E-07
800	490236.72, 3860535.12	4.12E-03	6.49E-07	2.26E-07	4.21E-03	6.62E-07	2.31E-07	4.20E-03	6.62E-07	2.31E-07
801	490286.72, 3860535.12	4.23E-03	6.66E-07	2.32E-07	4.31E-03	6.79E-07	2.37E-07	4.31E-03	6.78E-07	2.36E-07
802	490336.72, 3860535.12	4.34E-03	6.84E-07	2.38E-07	4.43E-03	6.98E-07	2.43E-07	4.43E-03	6.97E-07	2.43E-07

803	490386.72, 3860535.12	4.48E-03	7.05E-07	2.46E-07	4.57E-03	7.19E-07	2.51E-07	4.56E-03	7.19E-07	2.50E-07
804	490436.72, 3860535.12	4.61E-03	7.26E-07	2.53E-07	4.70E-03	7.41E-07	2.58E-07	4.70E-03	7.40E-07	2.58E-07
805	490486.72, 3860535.12	4.75E-03	7.48E-07	2.61E-07	4.84E-03	7.63E-07	2.66E-07	4.84E-03	7.62E-07	2.66E-07
806	490536.72, 3860535.12	4.92E-03	7.75E-07	2.70E-07	5.02E-03	7.91E-07	2.76E-07	5.02E-03	7.90E-07	2.75E-07
807	490586.72, 3860535.12	5.02E-03	7.91E-07	2.75E-07	5.12E-03	8.07E-07	2.81E-07	5.12E-03	8.06E-07	2.81E-07
808	490636.72, 3860535.12	5.17E-03	8.14E-07	2.84E-07	5.27E-03	8.31E-07	2.89E-07	5.27E-03	8.30E-07	2.89E-07
809	490686.72, 3860535.12	5.34E-03	8.41E-07	2.93E-07	5.45E-03	8.58E-07	2.99E-07	5.44E-03	8.57E-07	2.99E-07
810	490736.72, 3860535.12	5.51E-03	8.68E-07	3.02E-07	5.62E-03	8.86E-07	3.09E-07	5.62E-03	8.85E-07	3.08E-07
811	490786.72, 3860535.12	5.71E-03	9.00E-07	3.14E-07	5.83E-03	9.19E-07	3.20E-07	5.82E-03	9.18E-07	3.20E-07
812	490136.72, 3860585.12	3.71E-03	5.84E-07	2.03E-07	3.78E-03	5.96E-07	2.08E-07	3.78E-03	5.95E-07	2.07E-07
813	490186.72, 3860585.12	3.75E-03	5.91E-07	2.06E-07	3.83E-03	6.03E-07	2.10E-07	3.83E-03	6.03E-07	2.10E-07
814	490236.72, 3860585.12	3.86E-03	6.09E-07	2.12E-07	3.94E-03	6.21E-07	2.16E-07	3.94E-03	6.20E-07	2.16E-07
815	490286.72, 3860585.12	3.97E-03	6.26E-07	2.18E-07	4.05E-03	6.39E-07	2.22E-07	4.05E-03	6.38E-07	2.22E-07
816	490336.72, 3860585.12	4.08E-03	6.42E-07	2.24E-07	4.16E-03	6.55E-07	2.28E-07	4.15E-03	6.54E-07	2.28E-07
817	490386.72, 3860585.12	4.18E-03	6.59E-07	2.30E-07	4.27E-03	6.72E-07	2.34E-07	4.26E-03	6.71E-07	2.34E-07
818	490436.72, 3860585.12	4.33E-03	6.82E-07	2.38E-07	4.42E-03	6.96E-07	2.42E-07	4.41E-03	6.95E-07	2.42E-07
819	490486.72, 3860585.12	4.48E-03	7.05E-07	2.46E-07	4.57E-03	7.20E-07	2.51E-07	4.56E-03	7.19E-07	2.50E-07
820	490536.72, 3860585.12	4.59E-03	7.24E-07	2.52E-07	4.69E-03	7.38E-07	2.57E-07	4.68E-03	7.38E-07	2.57E-07
821	490586.72, 3860585.12	4.66E-03	7.34E-07	2.56E-07	4.76E-03	7.49E-07	2.61E-07	4.75E-03	7.49E-07	2.61E-07
822	490636.72, 3860585.12	4.80E-03	7.56E-07	2.64E-07	4.90E-03	7.72E-07	2.69E-07	4.89E-03	7.71E-07	2.69E-07
823	490686.72, 3860585.12	4.95E-03	7.79E-07	2.71E-07	5.05E-03	7.95E-07	2.77E-07	5.04E-03	7.94E-07	2.77E-07
824	490736.72, 3860585.12	5.10E-03	8.04E-07	2.80E-07	5.21E-03	8.20E-07	2.86E-07	5.20E-03	8.19E-07	2.85E-07
825	490786.72, 3860585.12	5.26E-03	8.29E-07	2.89E-07	5.37E-03	8.46E-07	2.95E-07	5.36E-03	8.45E-07	2.94E-07
826	490136.72, 3860635.12	3.53E-03	5.56E-07	1.94E-07	3.60E-03	5.68E-07	1.98E-07	3.60E-03	5.67E-07	1.98E-07
827	490186.72, 3860635.12	3.59E-03	5.66E-07	1.97E-07	3.66E-03	5.77E-07	2.01E-07	3.66E-03	5.77E-07	2.01E-07
828	490236.72, 3860635.12	3.65E-03	5.75E-07	2.00E-07	3.72E-03	5.86E-07	2.04E-07	3.72E-03	5.86E-07	2.04E-07
829	490286.72, 3860635.12	3.73E-03	5.88E-07	2.05E-07	3.81E-03	6.00E-07	2.09E-07	3.80E-03	5.99E-07	2.09E-07
830	490336.72, 3860635.12	3.83E-03	6.03E-07	2.10E-07	3.91E-03	6.16E-07	2.14E-07	3.90E-03	6.15E-07	2.14E-07
831	490386.72, 3860635.12	3.93E-03	6.19E-07	2.16E-07	4.01E-03	6.32E-07	2.20E-07	4.01E-03	6.31E-07	2.20E-07
832	490436.72, 3860635.12	4.03E-03	6.35E-07	2.21E-07	4.11E-03	6.48E-07	2.26E-07	4.11E-03	6.47E-07	2.25E-07
833	490486.72, 3860635.12	4.14E-03	6.52E-07	2.27E-07	4.22E-03	6.65E-07	2.32E-07	4.22E-03	6.64E-07	2.31E-07
834	490536.72, 3860635.12	4.27E-03	6.72E-07	2.34E-07	4.35E-03	6.86E-07	2.39E-07	4.35E-03	6.85E-07	2.39E-07
835	490586.72, 3860635.12	4.36E-03	6.87E-07	2.39E-07	4.45E-03	7.01E-07	2.44E-07	4.44E-03	7.00E-07	2.44E-07
836	490636.72, 3860635.12	4.48E-03	7.06E-07	2.46E-07	4.58E-03	7.21E-07	2.51E-07	4.57E-03	7.20E-07	2.51E-07
837	490686.72, 3860635.12	4.61E-03	7.26E-07	2.53E-07	4.70E-03	7.41E-07	2.58E-07	4.70E-03	7.40E-07	2.58E-07
838	490736.72, 3860635.12	4.73E-03	7.45E-07	2.59E-07	4.82E-03	7.60E-07	2.65E-07	4.82E-03	7.59E-07	2.64E-07
839	490786.72, 3860635.12	4.87E-03	7.67E-07	2.67E-07	4.97E-03	7.83E-07	2.73E-07	4.96E-03	7.82E-07	2.72E-07
840	490136.72, 3860685.12	3.33E-03	5.25E-07	1.83E-07	3.40E-03	5.36E-07	1.87E-07	3.40E-03	5.35E-07	1.86E-07
841	490186.72, 3860685.12	3.43E-03	5.41E-07	1.88E-07	3.50E-03	5.52E-07	1.92E-07	3.50E-03	5.51E-07	1.92E-07
842	490236.72, 3860685.12	3.48E-03	5.49E-07	1.91E-07	3.55E-03	5.60E-07	1.95E-07	3.55E-03	5.59E-07	1.95E-07
843	490286.72, 3860685.12	3.51E-03	5.53E-07	1.93E-07	3.58E-03	5.65E-07	1.97E-07	3.58E-03	5.64E-07	1.96E-07
844	490336.72, 3860685.12	3.61E-03	5.69E-07	1.98E-07	3.68E-03	5.80E-07	2.02E-07	3.68E-03	5.80E-07	2.02E-07
845	490386.72, 3860685.12	3.70E-03	5.83E-07	2.03E-07	3.77E-03	5.95E-07	2.07E-07	3.77E-03	5.94E-07	2.07E-07
846	490436.72, 3860685.12	3.78E-03	5.95E-07	2.07E-07	3.86E-03	6.07E-07	2.12E-07	3.85E-03	6.07E-07	2.11E-07
847	490486.72, 3860685.12	3.86E-03	6.08E-07	2.12E-07	3.94E-03	6.21E-07	2.16E-07	3.94E-03	6.20E-07	2.16E-07
848	490536.72, 3860685.12	3.96E-03	6.24E-07	2.18E-07	4.04E-03	6.37E-07	2.22E-07	4.04E-03	6.36E-07	2.22E-07
849	490586.72, 3860685.12	4.07E-03	6.41E-07	2.23E-07	4.15E-03	6.54E-07	2.28E-07	4.15E-03	6.53E-07	2.28E-07
850	490636.72, 3860685.12	4.18E-03	6.59E-07	2.30E-07	4.27E-03	6.73E-07	2.34E-07	4.26E-03	6.72E-07	2.34E-07
851	490686.72, 3860685.12	4.31E-03	6.78E-07	2.36E-07	4.39E-03	6.92E-07	2.41E-07	4.39E-03	6.92E-07	2.41E-07
852	490736.72, 3860685.12	4.42E-03	6.96E-07	2.42E-07	4.51E-03	7.10E-07	2.47E-07	4.50E-03	7.09E-07	2.47E-07
853	490786.72, 3860685.12	4.56E-03	7.18E-07	2.50E-07	4.65E-03	7.33E-07	2.55E-07	4.65E-03	7.32E-07	2.55E-07
854	490136.72, 3860735.12	3.12E-03	4.92E-07	1.71E-07	3.19E-03	5.02E-07	1.75E-07	3.18E-03	5.01E-07	1.75E-07
855	490186.72, 3860735.12	3.18E-03	5.01E-07	1.74E-07	3.24E-03	5.11E-07	1.78E-07	3.24E-03	5.10E-07	1.78E-07
856	490236.72, 3860735.12	3.25E-03	5.11E-07	1.78E-07	3.31E-03	5.22E-07	1.82E-07	3.31E-03	5.21E-07	1.82E-07
857	490286.72, 3860735.12	3.32E-03	5.23E-07	1.82E-07	3.39E-03	5.34E-07	1.86E-07	3.38E-03	5.33E-07	1.86E-07
858	490336.72, 3860735.12	3.39E-03	5.35E-07	1.86E-07	3.46E-03	5.46E-07	1.90E-07	3.46E-03	5.45E-07	1.90E-07
859	490386.72, 3860735.12	3.48E-03	5.48E-07	1.91E-07	3.55E-03	5.59E-07	1.95E-07	3.55E-03	5.59E-07	1.95E-07
860	490436.72, 3860735.12	3.59E-03	5.65E-07	1.97E-07	3.66E-03	5.77E-07	2.01E-07	3.66E-03	5.76E-07	2.01E-07
861	490486.72, 3860735.12	3.65E-03	5.76E-07	2.01E-07	3.73E-03	5.87E-07	2.05E-07	3.72E-03	5.87E-07	2.04E-07
862	490536.72, 3860735.12	3.71E-03	5.84E-07	2.04E-07	3.78E-03	5.96E-07	2.08E-07	3.78E-03	5.95E-07	2.07E-07
863	490586.72, 3860735.12	3.79E-03	5.97E-07	2.08E-07	3.87E-03	6.10E-07	2.12E-07	3.87E-03	6.09E-07	2.12E-07
864	490636.72, 3860735.12	3.89E-03	6.12E-07	2.13E-07	3.97E-03	6.25E-07	2.18E-07	3.96E-03	6.24E-07	2.17E-07

865	490686.72, 3860735.12	4.01E-03	6.31E-07	2.20E-07	4.09E-03	6.44E-07	2.24E-07	4.08E-03	6.43E-07	2.24E-07
866	490736.72, 3860735.12	4.13E-03	6.50E-07	2.27E-07	4.21E-03	6.63E-07	2.31E-07	4.21E-03	6.63E-07	2.31E-07
867	490136.72, 3860785.12	2.94E-03	4.63E-07	1.61E-07	3.00E-03	4.72E-07	1.65E-07	2.99E-03	4.72E-07	1.64E-07
868	490186.72, 3860785.12	3.00E-03	4.73E-07	1.65E-07	3.06E-03	4.82E-07	1.68E-07	3.06E-03	4.82E-07	1.68E-07
869	490236.72, 3860785.12	3.06E-03	4.82E-07	1.68E-07	3.12E-03	4.92E-07	1.71E-07	3.12E-03	4.92E-07	1.71E-07
870	490286.72, 3860785.12	3.13E-03	4.93E-07	1.72E-07	3.19E-03	5.03E-07	1.75E-07	3.19E-03	5.02E-07	1.75E-07
871	490336.72, 3860785.12	3.19E-03	5.03E-07	1.75E-07	3.26E-03	5.13E-07	1.79E-07	3.25E-03	5.12E-07	1.79E-07
872	490386.72, 3860785.12	3.28E-03	5.16E-07	1.80E-07	3.34E-03	5.27E-07	1.84E-07	3.34E-03	5.26E-07	1.83E-07
873	490436.72, 3860785.12	3.35E-03	5.28E-07	1.84E-07	3.42E-03	5.38E-07	1.88E-07	3.41E-03	5.38E-07	1.87E-07
874	490486.72, 3860785.12	3.44E-03	5.42E-07	1.89E-07	3.51E-03	5.53E-07	1.93E-07	3.50E-03	5.52E-07	1.92E-07
875	490536.72, 3860785.12	3.50E-03	5.52E-07	1.92E-07	3.57E-03	5.63E-07	1.96E-07	3.57E-03	5.62E-07	1.96E-07
876	490586.72, 3860785.12	3.55E-03	5.59E-07	1.95E-07	3.62E-03	5.71E-07	1.99E-07	3.62E-03	5.70E-07	1.99E-07
877	490636.72, 3860785.12	3.63E-03	5.71E-07	1.99E-07	3.70E-03	5.83E-07	2.03E-07	3.70E-03	5.82E-07	2.03E-07
878	490686.72, 3860785.12	3.72E-03	5.86E-07	2.04E-07	3.80E-03	5.98E-07	2.08E-07	3.79E-03	5.97E-07	2.08E-07
879	490736.72, 3860785.12	3.83E-03	6.03E-07	2.10E-07	3.91E-03	6.16E-07	2.15E-07	3.90E-03	6.15E-07	2.14E-07
880	490086.72, 3860835.12	2.73E-03	4.30E-07	1.50E-07	2.79E-03	4.39E-07	1.53E-07	2.78E-03	4.39E-07	1.53E-07
881	490136.72, 3860835.12	2.79E-03	4.40E-07	1.53E-07	2.85E-03	4.49E-07	1.56E-07	2.85E-03	4.49E-07	1.56E-07
882	490186.72, 3860835.12	2.84E-03	4.48E-07	1.56E-07	2.90E-03	4.57E-07	1.59E-07	2.90E-03	4.56E-07	1.59E-07
883	490236.72, 3860835.12	2.90E-03	4.56E-07	1.59E-07	2.95E-03	4.65E-07	1.62E-07	2.95E-03	4.65E-07	1.62E-07
884	490286.72, 3860835.12	2.96E-03	4.66E-07	1.62E-07	3.02E-03	4.75E-07	1.66E-07	3.01E-03	4.75E-07	1.65E-07
885	490336.72, 3860835.12	3.01E-03	4.75E-07	1.65E-07	3.07E-03	4.84E-07	1.69E-07	3.07E-03	4.84E-07	1.69E-07
886	490386.72, 3860835.12	3.07E-03	4.84E-07	1.69E-07	3.14E-03	4.94E-07	1.72E-07	3.13E-03	4.93E-07	1.72E-07
887	490436.72, 3860835.12	3.15E-03	4.96E-07	1.73E-07	3.21E-03	5.06E-07	1.76E-07	3.21E-03	5.05E-07	1.76E-07
888	490486.72, 3860835.12	3.22E-03	5.07E-07	1.77E-07	3.29E-03	5.18E-07	1.80E-07	3.28E-03	5.17E-07	1.80E-07
889	490536.72, 3860835.12	3.29E-03	5.18E-07	1.80E-07	3.35E-03	5.28E-07	1.84E-07	3.35E-03	5.28E-07	1.84E-07
890	490586.72, 3860835.12	3.34E-03	5.27E-07	1.83E-07	3.41E-03	5.37E-07	1.87E-07	3.41E-03	5.37E-07	1.87E-07
891	490636.72, 3860835.12	3.40E-03	5.36E-07	1.87E-07	3.47E-03	5.47E-07	1.91E-07	3.47E-03	5.46E-07	1.90E-07
892	490686.72, 3860835.12	3.48E-03	5.48E-07	1.91E-07	3.55E-03	5.59E-07	1.95E-07	3.55E-03	5.59E-07	1.95E-07
893	490736.72, 3860835.12	3.57E-03	5.63E-07	1.96E-07	3.65E-03	5.75E-07	2.00E-07	3.64E-03	5.74E-07	2.00E-07
894	490086.72, 3860885.12	2.61E-03	4.11E-07	1.43E-07	2.66E-03	4.19E-07	1.46E-07	2.66E-03	4.18E-07	1.46E-07
895	490136.72, 3860885.12	2.65E-03	4.18E-07	1.46E-07	2.71E-03	4.27E-07	1.49E-07	2.71E-03	4.26E-07	1.48E-07
896	490186.72, 3860885.12	2.70E-03	4.25E-07	1.48E-07	2.76E-03	4.34E-07	1.51E-07	2.75E-03	4.34E-07	1.51E-07
897	490236.72, 3860885.12	2.75E-03	4.33E-07	1.51E-07	2.81E-03	4.42E-07	1.54E-07	2.80E-03	4.42E-07	1.54E-07
898	490286.72, 3860885.12	2.80E-03	4.41E-07	1.54E-07	2.86E-03	4.50E-07	1.57E-07	2.85E-03	4.50E-07	1.57E-07
899	490336.72, 3860885.12	2.85E-03	4.49E-07	1.56E-07	2.91E-03	4.58E-07	1.60E-07	2.90E-03	4.57E-07	1.59E-07
900	490386.72, 3860885.12	2.91E-03	4.58E-07	1.60E-07	2.97E-03	4.67E-07	1.63E-07	2.96E-03	4.67E-07	1.63E-07
901	490436.72, 3860885.12	2.97E-03	4.68E-07	1.63E-07	3.03E-03	4.78E-07	1.66E-07	3.03E-03	4.77E-07	1.66E-07
902	490486.72, 3860885.12	3.03E-03	4.78E-07	1.66E-07	3.09E-03	4.88E-07	1.70E-07	3.09E-03	4.87E-07	1.70E-07
903	490536.72, 3860885.12	3.09E-03	4.87E-07	1.70E-07	3.15E-03	4.97E-07	1.73E-07	3.15E-03	4.96E-07	1.73E-07
904	490586.72, 3860885.12	3.14E-03	4.95E-07	1.73E-07	3.21E-03	5.06E-07	1.76E-07	3.21E-03	5.05E-07	1.76E-07
905	490636.72, 3860885.12	3.20E-03	5.04E-07	1.76E-07	3.26E-03	5.14E-07	1.79E-07	3.26E-03	5.13E-07	1.79E-07
906	490686.72, 3860885.12	3.26E-03	5.13E-07	1.79E-07	3.33E-03	5.24E-07	1.83E-07	3.32E-03	5.23E-07	1.82E-07
907	490736.72, 3860885.12	3.33E-03	5.24E-07	1.83E-07	3.39E-03	5.35E-07	1.86E-07	3.39E-03	5.34E-07	1.86E-07
908	490086.72, 3860935.12	2.48E-03	3.91E-07	1.36E-07	2.53E-03	3.99E-07	1.39E-07	2.53E-03	3.98E-07	1.39E-07
909	490136.72, 3860935.12	2.51E-03	3.96E-07	1.38E-07	2.57E-03	4.04E-07	1.41E-07	2.56E-03	4.04E-07	1.41E-07
910	490186.72, 3860935.12	2.56E-03	4.04E-07	1.41E-07	2.62E-03	4.12E-07	1.44E-07	2.61E-03	4.12E-07	1.43E-07
911	490236.72, 3860935.12	2.61E-03	4.11E-07	1.43E-07	2.66E-03	4.20E-07	1.46E-07	2.66E-03	4.19E-07	1.46E-07
912	490286.72, 3860935.12	2.66E-03	4.19E-07	1.46E-07	2.71E-03	4.28E-07	1.49E-07	2.71E-03	4.27E-07	1.49E-07
913	490336.72, 3860935.12	2.70E-03	4.26E-07	1.48E-07	2.76E-03	4.34E-07	1.51E-07	2.75E-03	4.34E-07	1.51E-07
914	490386.72, 3860935.12	2.76E-03	4.34E-07	1.51E-07	2.81E-03	4.43E-07	1.54E-07	2.81E-03	4.43E-07	1.54E-07
915	490436.72, 3860935.12	2.81E-03	4.43E-07	1.54E-07	2.87E-03	4.52E-07	1.58E-07	2.87E-03	4.52E-07	1.57E-07
916	490486.72, 3860935.12	2.86E-03	4.51E-07	1.57E-07	2.92E-03	4.60E-07	1.60E-07	2.92E-03	4.60E-07	1.60E-07
917	490536.72, 3860935.12	2.92E-03	4.59E-07	1.60E-07	2.98E-03	4.69E-07	1.63E-07	2.97E-03	4.68E-07	1.63E-07
918	490586.72, 3860935.12	2.96E-03	4.67E-07	1.63E-07	3.02E-03	4.76E-07	1.66E-07	3.02E-03	4.76E-07	1.66E-07
919	490636.72, 3860935.12	3.01E-03	4.74E-07	1.65E-07	3.07E-03	4.84E-07	1.69E-07	3.07E-03	4.83E-07	1.68E-07
920	490686.72, 3860935.12	3.06E-03	4.82E-07	1.68E-07	3.12E-03	4.92E-07	1.71E-07	3.12E-03	4.92E-07	1.71E-07
921	490736.72, 3860935.12	3.11E-03	4.91E-07	1.71E-07	3.18E-03	5.01E-07	1.74E-07	3.17E-03	5.00E-07	1.74E-07
922	490786.72, 3860935.12	3.17E-03	5.00E-07	1.74E-07	3.24E-03	5.10E-07	1.78E-07	3.23E-03	5.09E-07	1.77E-07
923	490836.72, 3860935.12	3.24E-03	5.11E-07	1.78E-07	3.31E-03	5.21E-07	1.82E-07	3.30E-03	5.21E-07	1.81E-07
924	490086.72, 3860985.12	2.37E-03	3.73E-07	1.30E-07	2.42E-03	3.81E-07	1.33E-07	2.41E-03	3.80E-07	1.32E-07
925	490136.72, 3860985.12	2.41E-03	3.79E-07	1.32E-07	2.45E-03	3.87E-07	1.35E-07	2.45E-03	3.86E-07	1.35E-07
926	490186.72, 3860985.12	2.45E-03	3.86E-07	1.34E-07	2.50E-03	3.94E-07	1.37E-07	2.50E-03	3.93E-07	1.37E-07

927	490236.72, 3860985.12	2.48E-03	3.91E-07	1.36E-07	2.53E-03	3.99E-07	1.39E-07	2.53E-03	3.99E-07	1.39E-07
928	490286.72, 3860985.12	2.52E-03	3.97E-07	1.38E-07	2.57E-03	4.06E-07	1.41E-07	2.57E-03	4.05E-07	1.41E-07
929	490336.72, 3860985.12	2.57E-03	4.04E-07	1.41E-07	2.62E-03	4.12E-07	1.44E-07	2.61E-03	4.12E-07	1.43E-07
930	490386.72, 3860985.12	2.61E-03	4.11E-07	1.43E-07	2.66E-03	4.20E-07	1.46E-07	2.66E-03	4.19E-07	1.46E-07
931	490436.72, 3860985.12	2.67E-03	4.20E-07	1.46E-07	2.72E-03	4.29E-07	1.49E-07	2.72E-03	4.28E-07	1.49E-07
932	490486.72, 3860985.12	2.71E-03	4.27E-07	1.49E-07	2.76E-03	4.35E-07	1.52E-07	2.76E-03	4.35E-07	1.52E-07
933	490536.72, 3860985.12	2.75E-03	4.33E-07	1.51E-07	2.81E-03	4.42E-07	1.54E-07	2.80E-03	4.41E-07	1.54E-07
934	490586.72, 3860985.12	2.79E-03	4.40E-07	1.53E-07	2.85E-03	4.49E-07	1.56E-07	2.84E-03	4.48E-07	1.56E-07
935	490636.72, 3860985.12	2.84E-03	4.47E-07	1.56E-07	2.90E-03	4.56E-07	1.59E-07	2.89E-03	4.56E-07	1.59E-07
936	490686.72, 3860985.12	2.88E-03	4.53E-07	1.58E-07	2.94E-03	4.63E-07	1.61E-07	2.93E-03	4.62E-07	1.61E-07
937	490736.72, 3860985.12	2.92E-03	4.60E-07	1.60E-07	2.98E-03	4.69E-07	1.63E-07	2.97E-03	4.69E-07	1.63E-07
938	490786.72, 3860985.12	2.97E-03	4.67E-07	1.63E-07	3.03E-03	4.77E-07	1.66E-07	3.02E-03	4.76E-07	1.66E-07
939	490836.72, 3860985.12	3.02E-03	4.76E-07	1.66E-07	3.08E-03	4.86E-07	1.69E-07	3.08E-03	4.85E-07	1.69E-07
940	490086.72, 3861035.12	2.26E-03	3.56E-07	1.24E-07	2.31E-03	3.64E-07	1.27E-07	2.31E-03	3.63E-07	1.27E-07
941	490136.72, 3861035.12	2.30E-03	3.62E-07	1.26E-07	2.34E-03	3.69E-07	1.29E-07	2.34E-03	3.69E-07	1.28E-07
942	490186.72, 3861035.12	2.33E-03	3.67E-07	1.28E-07	2.38E-03	3.75E-07	1.31E-07	2.38E-03	3.74E-07	1.30E-07
943	490236.72, 3861035.12	2.37E-03	3.73E-07	1.30E-07	2.42E-03	3.81E-07	1.33E-07	2.41E-03	3.80E-07	1.33E-07
944	490286.72, 3861035.12	2.40E-03	3.78E-07	1.32E-07	2.45E-03	3.86E-07	1.34E-07	2.45E-03	3.85E-07	1.34E-07
945	490336.72, 3861035.12	2.43E-03	3.84E-07	1.34E-07	2.48E-03	3.91E-07	1.36E-07	2.48E-03	3.91E-07	1.36E-07
946	490386.72, 3861035.12	2.48E-03	3.91E-07	1.36E-07	2.53E-03	3.99E-07	1.39E-07	2.53E-03	3.98E-07	1.39E-07
947	490436.72, 3861035.12	2.53E-03	3.98E-07	1.39E-07	2.58E-03	4.06E-07	1.42E-07	2.58E-03	4.06E-07	1.41E-07
948	490486.72, 3861035.12	2.57E-03	4.04E-07	1.41E-07	2.62E-03	4.13E-07	1.44E-07	2.62E-03	4.12E-07	1.44E-07
949	490536.72, 3861035.12	2.60E-03	4.10E-07	1.43E-07	2.66E-03	4.18E-07	1.46E-07	2.65E-03	4.18E-07	1.46E-07
950	490586.72, 3861035.12	2.64E-03	4.16E-07	1.45E-07	2.69E-03	4.24E-07	1.48E-07	2.69E-03	4.23E-07	1.48E-07
951	490636.72, 3861035.12	2.67E-03	4.21E-07	1.47E-07	2.73E-03	4.29E-07	1.50E-07	2.72E-03	4.29E-07	1.49E-07
952	490686.72, 3861035.12	2.71E-03	4.26E-07	1.48E-07	2.76E-03	4.35E-07	1.52E-07	2.76E-03	4.34E-07	1.51E-07
953	490736.72, 3861035.12	2.74E-03	4.32E-07	1.50E-07	2.80E-03	4.40E-07	1.53E-07	2.79E-03	4.40E-07	1.53E-07
954	490786.72, 3861035.12	2.78E-03	4.38E-07	1.53E-07	2.84E-03	4.47E-07	1.56E-07	2.83E-03	4.46E-07	1.56E-07
955	490836.72, 3861035.12	2.82E-03	4.45E-07	1.55E-07	2.88E-03	4.54E-07	1.58E-07	2.88E-03	4.53E-07	1.58E-07
956	490086.72, 3861085.12	2.16E-03	3.41E-07	1.19E-07	2.21E-03	3.48E-07	1.21E-07	2.20E-03	3.47E-07	1.21E-07
957	490136.72, 3861085.12	2.20E-03	3.47E-07	1.21E-07	2.24E-03	3.54E-07	1.23E-07	2.24E-03	3.53E-07	1.23E-07
958	490186.72, 3861085.12	2.24E-03	3.53E-07	1.23E-07	2.28E-03	3.60E-07	1.25E-07	2.28E-03	3.59E-07	1.25E-07
959	490236.72, 3861085.12	2.26E-03	3.57E-07	1.24E-07	2.31E-03	3.64E-07	1.27E-07	2.31E-03	3.64E-07	1.27E-07
960	490286.72, 3861085.12	2.29E-03	3.61E-07	1.26E-07	2.34E-03	3.68E-07	1.28E-07	2.34E-03	3.68E-07	1.28E-07
961	490336.72, 3861085.12	2.32E-03	3.66E-07	1.27E-07	2.37E-03	3.73E-07	1.30E-07	2.37E-03	3.73E-07	1.30E-07
962	490386.72, 3861085.12	2.36E-03	3.72E-07	1.30E-07	2.41E-03	3.79E-07	1.32E-07	2.41E-03	3.79E-07	1.32E-07
963	490436.72, 3861085.12	2.39E-03	3.77E-07	1.31E-07	2.44E-03	3.85E-07	1.34E-07	2.44E-03	3.85E-07	1.34E-07
964	490486.72, 3861085.12	2.43E-03	3.83E-07	1.33E-07	2.48E-03	3.90E-07	1.36E-07	2.48E-03	3.90E-07	1.36E-07
965	490536.72, 3861085.12	2.47E-03	3.89E-07	1.35E-07	2.52E-03	3.97E-07	1.38E-07	2.51E-03	3.96E-07	1.38E-07
966	490586.72, 3861085.12	2.50E-03	3.93E-07	1.37E-07	2.55E-03	4.01E-07	1.40E-07	2.54E-03	4.01E-07	1.40E-07
967	490636.72, 3861085.12	2.52E-03	3.97E-07	1.38E-07	2.57E-03	4.05E-07	1.41E-07	2.57E-03	4.04E-07	1.41E-07
968	490686.72, 3861085.12	2.55E-03	4.01E-07	1.40E-07	2.60E-03	4.09E-07	1.43E-07	2.59E-03	4.09E-07	1.42E-07
969	490736.72, 3861085.12	2.58E-03	4.06E-07	1.41E-07	2.63E-03	4.14E-07	1.44E-07	2.63E-03	4.14E-07	1.44E-07
970	490786.72, 3861085.12	2.61E-03	4.11E-07	1.43E-07	2.66E-03	4.19E-07	1.46E-07	2.66E-03	4.19E-07	1.46E-07
971	490836.72, 3861085.12	2.64E-03	4.16E-07	1.45E-07	2.70E-03	4.25E-07	1.48E-07	2.69E-03	4.24E-07	1.48E-07
972	490086.72, 3861135.12	2.07E-03	3.26E-07	1.14E-07	2.11E-03	3.33E-07	1.16E-07	2.11E-03	3.32E-07	1.16E-07
973	490136.72, 3861135.12	2.10E-03	3.31E-07	1.15E-07	2.14E-03	3.38E-07	1.18E-07	2.14E-03	3.37E-07	1.17E-07
974	490186.72, 3861135.12	2.13E-03	3.36E-07	1.17E-07	2.18E-03	3.43E-07	1.19E-07	2.17E-03	3.42E-07	1.19E-07
975	490236.72, 3861135.12	2.16E-03	3.41E-07	1.19E-07	2.21E-03	3.48E-07	1.21E-07	2.20E-03	3.47E-07	1.21E-07
976	490286.72, 3861135.12	2.19E-03	3.45E-07	1.20E-07	2.24E-03	3.52E-07	1.23E-07	2.23E-03	3.52E-07	1.23E-07
977	490336.72, 3861135.12	2.22E-03	3.49E-07	1.22E-07	2.26E-03	3.56E-07	1.24E-07	2.26E-03	3.56E-07	1.24E-07
978	490386.72, 3861135.12	2.25E-03	3.54E-07	1.23E-07	2.29E-03	3.61E-07	1.26E-07	2.29E-03	3.61E-07	1.26E-07
979	490436.72, 3861135.12	2.27E-03	3.58E-07	1.25E-07	2.32E-03	3.66E-07	1.27E-07	2.32E-03	3.65E-07	1.27E-07
980	490486.72, 3861135.12	2.30E-03	3.63E-07	1.26E-07	2.35E-03	3.70E-07	1.29E-07	2.35E-03	3.70E-07	1.29E-07
981	490536.72, 3861135.12	2.33E-03	3.68E-07	1.28E-07	2.38E-03	3.75E-07	1.31E-07	2.38E-03	3.75E-07	1.31E-07
982	490586.72, 3861135.12	2.36E-03	3.72E-07	1.29E-07	2.41E-03	3.79E-07	1.32E-07	2.40E-03	3.79E-07	1.32E-07
983	490636.72, 3861135.12	2.38E-03	3.75E-07	1.31E-07	2.43E-03	3.82E-07	1.33E-07	2.42E-03	3.82E-07	1.33E-07
984	490686.72, 3861135.12	2.40E-03	3.79E-07	1.32E-07	2.45E-03	3.87E-07	1.35E-07	2.45E-03	3.86E-07	1.34E-07
985	490736.72, 3861135.12	2.43E-03	3.83E-07	1.33E-07	2.48E-03	3.91E-07	1.36E-07	2.48E-03	3.91E-07	1.36E-07
986	490786.72, 3861135.12	2.46E-03	3.88E-07	1.35E-07	2.51E-03	3.95E-07	1.38E-07	2.51E-03	3.95E-07	1.38E-07
987	490836.72, 3861135.12	2.49E-03	3.92E-07	1.36E-07	2.54E-03	4.00E-07	1.39E-07	2.53E-03	3.99E-07	1.39E-07
988	490086.72, 3861185.12	1.98E-03	3.12E-07	1.09E-07	2.02E-03	3.18E-07	1.11E-07	2.02E-03	3.18E-07	1.11E-07

989	490136.72, 3861185.12	2.00E-03	3.15E-07	1.10E-07	2.04E-03	3.22E-07	1.12E-07	2.04E-03	3.21E-07	1.12E-07
990	490186.72, 3861185.12	2.03E-03	3.20E-07	1.11E-07	2.07E-03	3.26E-07	1.14E-07	2.07E-03	3.26E-07	1.13E-07
991	490236.72, 3861185.12	2.06E-03	3.24E-07	1.13E-07	2.10E-03	3.31E-07	1.15E-07	2.10E-03	3.30E-07	1.15E-07
992	490286.72, 3861185.12	2.09E-03	3.29E-07	1.15E-07	2.13E-03	3.36E-07	1.17E-07	2.13E-03	3.35E-07	1.17E-07
993	490336.72, 3861185.12	2.10E-03	3.31E-07	1.15E-07	2.15E-03	3.38E-07	1.18E-07	2.14E-03	3.38E-07	1.18E-07
994	490386.72, 3861185.12	2.13E-03	3.36E-07	1.17E-07	2.17E-03	3.42E-07	1.19E-07	2.17E-03	3.42E-07	1.19E-07
995	490436.72, 3861185.12	2.16E-03	3.40E-07	1.19E-07	2.20E-03	3.47E-07	1.21E-07	2.20E-03	3.47E-07	1.21E-07
996	490486.72, 3861185.12	2.18E-03	3.44E-07	1.20E-07	2.23E-03	3.51E-07	1.22E-07	2.23E-03	3.51E-07	1.22E-07
997	490536.72, 3861185.12	2.22E-03	3.50E-07	1.22E-07	2.26E-03	3.57E-07	1.24E-07	2.26E-03	3.56E-07	1.24E-07
998	490586.72, 3861185.12	2.24E-03	3.53E-07	1.23E-07	2.28E-03	3.60E-07	1.25E-07	2.28E-03	3.59E-07	1.25E-07
999	490636.72, 3861185.12	2.25E-03	3.54E-07	1.23E-07	2.30E-03	3.62E-07	1.26E-07	2.29E-03	3.61E-07	1.26E-07
1000	490686.72, 3861185.12	2.27E-03	3.58E-07	1.25E-07	2.32E-03	3.65E-07	1.27E-07	2.32E-03	3.65E-07	1.27E-07
1001	490736.72, 3861185.12	2.30E-03	3.63E-07	1.26E-07	2.35E-03	3.70E-07	1.29E-07	2.35E-03	3.70E-07	1.29E-07
1002	490786.72, 3861185.12	2.33E-03	3.67E-07	1.28E-07	2.38E-03	3.74E-07	1.30E-07	2.37E-03	3.74E-07	1.30E-07
1003	490836.72, 3861185.12	2.35E-03	3.71E-07	1.29E-07	2.40E-03	3.78E-07	1.32E-07	2.40E-03	3.78E-07	1.32E-07
1004	490086.72, 3861235.12	1.90E-03	2.99E-07	1.04E-07	1.94E-03	3.05E-07	1.06E-07	1.93E-03	3.04E-07	1.06E-07
1005	490136.72, 3861235.12	1.92E-03	3.02E-07	1.05E-07	1.96E-03	3.08E-07	1.07E-07	1.95E-03	3.08E-07	1.07E-07
1006	490186.72, 3861235.12	1.94E-03	3.06E-07	1.06E-07	1.98E-03	3.12E-07	1.09E-07	1.98E-03	3.11E-07	1.09E-07
1007	490236.72, 3861235.12	1.96E-03	3.09E-07	1.07E-07	2.00E-03	3.15E-07	1.10E-07	2.00E-03	3.14E-07	1.10E-07
1008	490386.72, 3861235.12	2.02E-03	3.19E-07	1.11E-07	2.06E-03	3.25E-07	1.13E-07	2.06E-03	3.25E-07	1.13E-07
1009	490436.72, 3861235.12	2.04E-03	3.22E-07	1.12E-07	2.08E-03	3.28E-07	1.14E-07	2.08E-03	3.28E-07	1.14E-07
1010	490486.72, 3861235.12	2.06E-03	3.25E-07	1.13E-07	2.11E-03	3.32E-07	1.16E-07	2.10E-03	3.31E-07	1.15E-07
1011	490536.72, 3861235.12	2.10E-03	3.31E-07	1.15E-07	2.14E-03	3.38E-07	1.18E-07	2.14E-03	3.37E-07	1.18E-07
1012	490586.72, 3861235.12	2.13E-03	3.36E-07	1.17E-07	2.18E-03	3.43E-07	1.19E-07	2.17E-03	3.42E-07	1.19E-07
1013	490636.72, 3861235.12	2.13E-03	3.36E-07	1.17E-07	2.18E-03	3.43E-07	1.19E-07	2.17E-03	3.42E-07	1.19E-07
1014	490686.72, 3861235.12	2.15E-03	3.39E-07	1.18E-07	2.20E-03	3.46E-07	1.21E-07	2.20E-03	3.46E-07	1.21E-07
1015	490736.72, 3861235.12	2.18E-03	3.44E-07	1.20E-07	2.23E-03	3.51E-07	1.22E-07	2.22E-03	3.50E-07	1.22E-07
1016	490786.72, 3861235.12	2.21E-03	3.48E-07	1.21E-07	2.26E-03	3.55E-07	1.24E-07	2.25E-03	3.55E-07	1.24E-07
1017	490836.72, 3861235.12	2.23E-03	3.52E-07	1.23E-07	2.28E-03	3.59E-07	1.25E-07	2.28E-03	3.59E-07	1.25E-07
1018	490086.72, 3861285.12	1.82E-03	2.87E-07	1.00E-07	1.86E-03	2.93E-07	1.02E-07	1.86E-03	2.93E-07	1.02E-07
1019	490136.72, 3861285.12	1.85E-03	2.91E-07	1.01E-07	1.88E-03	2.97E-07	1.03E-07	1.88E-03	2.96E-07	1.03E-07
1020	490186.72, 3861285.12	1.86E-03	2.93E-07	1.02E-07	1.90E-03	2.99E-07	1.04E-07	1.89E-03	2.98E-07	1.04E-07
1021	490236.72, 3861285.12	1.87E-03	2.95E-07	1.03E-07	1.91E-03	3.01E-07	1.05E-07	1.91E-03	3.01E-07	1.05E-07
1022	490386.72, 3861285.12	1.93E-03	3.04E-07	1.06E-07	1.97E-03	3.10E-07	1.08E-07	1.97E-03	3.10E-07	1.08E-07
1023	490436.72, 3861285.12	1.95E-03	3.07E-07	1.07E-07	1.99E-03	3.13E-07	1.09E-07	1.99E-03	3.13E-07	1.09E-07
1024	490486.72, 3861285.12	1.97E-03	3.10E-07	1.08E-07	2.01E-03	3.16E-07	1.10E-07	2.00E-03	3.16E-07	1.10E-07
1025	490536.72, 3861285.12	1.99E-03	3.13E-07	1.09E-07	2.03E-03	3.20E-07	1.11E-07	2.03E-03	3.19E-07	1.11E-07
1026	490586.72, 3861285.12	2.01E-03	3.17E-07	1.10E-07	2.05E-03	3.23E-07	1.13E-07	2.05E-03	3.23E-07	1.13E-07
1027	490636.72, 3861285.12	2.02E-03	3.19E-07	1.11E-07	2.06E-03	3.25E-07	1.13E-07	2.06E-03	3.25E-07	1.13E-07
1028	490686.72, 3861285.12	2.04E-03	3.22E-07	1.12E-07	2.09E-03	3.29E-07	1.15E-07	2.08E-03	3.28E-07	1.14E-07
1029	490736.72, 3861285.12	2.08E-03	3.27E-07	1.14E-07	2.12E-03	3.34E-07	1.16E-07	2.12E-03	3.34E-07	1.16E-07
1030	490786.72, 3861285.12	2.10E-03	3.31E-07	1.15E-07	2.14E-03	3.37E-07	1.18E-07	2.14E-03	3.37E-07	1.17E-07
1031	490836.72, 3861285.12	2.11E-03	3.33E-07	1.16E-07	2.16E-03	3.40E-07	1.18E-07	2.16E-03	3.40E-07	1.18E-07
1032	490061.24, 3859716.13	2.21E-02	3.49E-06	1.21E-06	2.26E-02	3.56E-06	1.24E-06	2.26E-02	3.55E-06	1.24E-06
1033	490111.24, 3859716.13	2.53E-02	3.98E-06	1.39E-06	2.58E-02	4.07E-06	1.42E-06	2.58E-02	4.06E-06	1.41E-06
1034	490161.24, 3859716.13	2.93E-02	4.61E-06	1.61E-06	2.99E-02	4.71E-06	1.64E-06	2.98E-02	4.70E-06	1.64E-06
1035	490211.24, 3859716.13	3.44E-02	5.42E-06	1.89E-06	3.51E-02	5.54E-06	1.93E-06	3.51E-02	5.53E-06	1.93E-06
1036	490061.24, 3859766.13	1.74E-02	2.75E-06	9.57E-07	1.78E-02	2.80E-06	9.77E-07	1.78E-02	2.80E-06	9.76E-07
1037	490111.24, 3859766.13	1.92E-02	3.03E-06	1.05E-06	1.96E-02	3.09E-06	1.08E-06	1.96E-02	3.09E-06	1.08E-06
1038	490161.24, 3859766.13	2.13E-02	3.35E-06	1.17E-06	2.17E-02	3.42E-06	1.19E-06	2.17E-02	3.42E-06	1.19E-06
1039	490211.24, 3859766.13	2.39E-02	3.76E-06	1.31E-06	2.43E-02	3.84E-06	1.34E-06	2.43E-02	3.83E-06	1.33E-06
1040	490061.24, 3859816.13	1.44E-02	2.26E-06	7.88E-07	1.47E-02	2.31E-06	8.05E-07	1.46E-02	2.31E-06	8.04E-07
1041	490111.24, 3859816.13	1.55E-02	2.44E-06	8.51E-07	1.58E-02	2.49E-06	8.68E-07	1.58E-02	2.49E-06	8.67E-07
1042	490161.24, 3859816.13	1.68E-02	2.65E-06	9.23E-07	1.72E-02	2.70E-06	9.42E-07	1.71E-02	2.70E-06	9.41E-07
1043	490211.24, 3859816.13	1.83E-02	2.89E-06	1.01E-06	1.87E-02	2.95E-06	1.03E-06	1.87E-02	2.94E-06	1.03E-06
1044	490061.24, 3859866.13	1.22E-02	1.92E-06	6.69E-07	1.24E-02	1.96E-06	6.83E-07	1.24E-02	1.96E-06	6.82E-07
1045	490111.24, 3859866.13	1.30E-02	2.05E-06	7.15E-07	1.33E-02	2.09E-06	7.29E-07	1.33E-02	2.09E-06	7.28E-07
1046	490161.24, 3859866.13	1.40E-02	2.20E-06	7.66E-07	1.42E-02	2.24E-06	7.82E-07	1.42E-02	2.24E-06	7.81E-07
1047	490211.24, 3859866.13	1.50E-02	2.36E-06	8.24E-07	1.53E-02	2.41E-06	8.41E-07	1.53E-02	2.41E-06	8.40E-07
1048	490061.24, 3859916.13	1.06E-02	1.66E-06	5.80E-07	1.08E-02	1.70E-06	5.92E-07	1.08E-02	1.70E-06	5.91E-07
1049	490111.24, 3859916.13	1.12E-02	1.77E-06	6.15E-07	1.14E-02	1.80E-06	6.28E-07	1.14E-02	1.80E-06	6.27E-07
1050	490161.24, 3859916.13	1.19E-02	1.88E-06	6.53E-07	1.21E-02	1.91E-06	6.67E-07	1.21E-02	1.91E-06	6.66E-07

1051	490211.24, 3859916.13	1.26E-02	1.99E-06	6.94E-07	1.29E-02	2.03E-06	7.08E-07	1.29E-02	2.03E-06	7.07E-07
1052	490229.25, 3859815.26	1.91E-02	3.01E-06	1.05E-06	1.95E-02	3.07E-06	1.07E-06	1.95E-02	3.07E-06	1.07E-06
1053	490279.25, 3859815.26	2.10E-02	3.30E-06	1.15E-06	2.14E-02	3.37E-06	1.17E-06	2.14E-02	3.36E-06	1.17E-06
1054	490329.25, 3859815.26	2.32E-02	3.65E-06	1.27E-06	2.37E-02	3.73E-06	1.30E-06	2.36E-02	3.72E-06	1.30E-06
1055	490379.25, 3859815.26	2.64E-02	4.15E-06	1.45E-06	2.69E-02	4.24E-06	1.48E-06	2.69E-02	4.23E-06	1.48E-06
1056	490429.25, 3859815.26	3.10E-02	4.88E-06	1.70E-06	3.16E-02	4.98E-06	1.73E-06	3.15E-02	4.97E-06	1.73E-06
1057	490229.25, 3859865.26	1.55E-02	2.44E-06	8.49E-07	1.58E-02	2.49E-06	8.66E-07	1.58E-02	2.48E-06	8.65E-07
1058	490279.25, 3859865.26	1.67E-02	2.62E-06	9.14E-07	1.70E-02	2.68E-06	9.33E-07	1.70E-02	2.67E-06	9.32E-07
1059	490329.25, 3859865.26	1.80E-02	2.84E-06	9.89E-07	1.84E-02	2.90E-06	1.01E-06	1.84E-02	2.89E-06	1.01E-06
1060	490379.25, 3859865.26	1.97E-02	3.11E-06	1.08E-06	2.01E-02	3.17E-06	1.10E-06	2.01E-02	3.17E-06	1.10E-06
1061	490429.25, 3859865.26	2.19E-02	3.45E-06	1.20E-06	2.23E-02	3.52E-06	1.23E-06	2.23E-02	3.51E-06	1.22E-06
1062	490229.25, 3859915.26	1.30E-02	2.05E-06	7.12E-07	1.32E-02	2.09E-06	7.27E-07	1.32E-02	2.08E-06	7.26E-07
1063	490279.25, 3859915.26	1.38E-02	2.17E-06	7.57E-07	1.41E-02	2.22E-06	7.72E-07	1.40E-02	2.21E-06	7.71E-07
1064	490329.25, 3859915.26	1.47E-02	2.32E-06	8.08E-07	1.50E-02	2.37E-06	8.25E-07	1.50E-02	2.36E-06	8.24E-07
1065	490379.25, 3859915.26	1.58E-02	2.49E-06	8.69E-07	1.62E-02	2.54E-06	8.87E-07	1.61E-02	2.54E-06	8.86E-07
1066	490429.25, 3859915.26	1.71E-02	2.69E-06	9.38E-07	1.74E-02	2.75E-06	9.57E-07	1.74E-02	2.74E-06	9.56E-07
1067	490451.43, 3859872.59	2.20E-02	3.46E-06	1.21E-06	2.24E-02	3.53E-06	1.23E-06	2.24E-02	3.53E-06	1.23E-06
1068	490501.43, 3859872.59	2.50E-02	3.93E-06	1.37E-06	2.55E-02	4.01E-06	1.40E-06	2.54E-02	4.01E-06	1.40E-06
1069	490551.43, 3859872.59	2.93E-02	4.62E-06	1.61E-06	2.99E-02	4.71E-06	1.64E-06	2.99E-02	4.71E-06	1.64E-06
1070	490601.43, 3859872.59	3.53E-02	5.56E-06	1.94E-06	3.60E-02	5.67E-06	1.98E-06	3.60E-02	5.67E-06	1.97E-06
1071	490451.43, 3859922.59	1.72E-02	2.70E-06	9.42E-07	1.75E-02	2.76E-06	9.61E-07	1.75E-02	2.76E-06	9.60E-07
1072	490501.43, 3859922.59	1.88E-02	2.96E-06	1.03E-06	1.92E-02	3.02E-06	1.05E-06	1.92E-02	3.02E-06	1.05E-06
1073	490551.43, 3859922.59	2.11E-02	3.32E-06	1.16E-06	2.15E-02	3.39E-06	1.18E-06	2.15E-02	3.38E-06	1.18E-06
1074	490601.43, 3859922.59	2.41E-02	3.79E-06	1.32E-06	2.46E-02	3.87E-06	1.35E-06	2.45E-02	3.86E-06	1.35E-06
1075	482129.67, 3852241.07	3.62E-02	5.70E-06	1.99E-06	3.69E-02	5.82E-06	2.03E-06	3.69E-02	5.81E-06	2.02E-06
1076	482029.67, 3852291.07	5.89E-02	9.27E-06	3.23E-06	6.01E-02	9.46E-06	3.30E-06	6.00E-02	9.45E-06	3.29E-06
1077	482079.67, 3852291.07	4.84E-02	7.63E-06	2.66E-06	4.94E-02	7.78E-06	2.71E-06	4.93E-02	7.77E-06	2.71E-06
1078	482129.67, 3852291.07	4.11E-02	6.48E-06	2.26E-06	4.19E-02	6.61E-06	2.30E-06	4.19E-02	6.60E-06	2.30E-06
1079	482179.67, 3852291.07	3.54E-02	5.58E-06	1.94E-06	3.61E-02	5.69E-06	1.98E-06	3.61E-02	5.69E-06	1.98E-06
1080	482229.67, 3852291.07	3.05E-02	4.80E-06	1.67E-06	3.11E-02	4.90E-06	1.71E-06	3.10E-02	4.89E-06	1.70E-06
1081	482029.67, 3852341.07	7.40E-02	1.17E-05	4.06E-06	7.55E-02	1.19E-05	4.15E-06	7.55E-02	1.19E-05	4.14E-06
1082	482079.67, 3852341.07	5.83E-02	9.18E-06	3.20E-06	5.95E-02	9.37E-06	3.27E-06	5.94E-02	9.36E-06	3.26E-06
1083	482129.67, 3852341.07	4.80E-02	7.56E-06	2.63E-06	4.90E-02	7.71E-06	2.69E-06	4.89E-02	7.70E-06	2.68E-06
1084	482179.67, 3852341.07	4.06E-02	6.40E-06	2.23E-06	4.15E-02	6.53E-06	2.28E-06	4.14E-02	6.53E-06	2.27E-06
1085	482259.06, 3852400.14	3.85E-02	6.06E-06	2.11E-06	3.93E-02	6.18E-06	2.15E-06	3.92E-02	6.18E-06	2.15E-06
1086	482309.06, 3852400.14	3.29E-02	5.18E-06	1.81E-06	3.36E-02	5.29E-06	1.84E-06	3.35E-02	5.28E-06	1.84E-06
1087	482209.06, 3852450.14	5.20E-02	8.19E-06	2.85E-06	5.31E-02	8.36E-06	2.91E-06	5.30E-02	8.35E-06	2.91E-06
1088	482259.06, 3852450.14	4.42E-02	6.96E-06	2.42E-06	4.51E-02	7.10E-06	2.47E-06	4.50E-02	7.09E-06	2.47E-06
1089	482309.06, 3852450.14	3.79E-02	5.96E-06	2.08E-06	3.86E-02	6.09E-06	2.12E-06	3.86E-02	6.08E-06	2.12E-06
1090	482209.06, 3852500.14	6.30E-02	9.92E-06	3.46E-06	6.43E-02	1.01E-05	3.53E-06	6.42E-02	1.01E-05	3.52E-06
1091	482259.06, 3852500.14	5.21E-02	8.21E-06	2.86E-06	5.32E-02	8.38E-06	2.92E-06	5.31E-02	8.37E-06	2.92E-06
1092	482309.06, 3852500.14	4.37E-02	6.89E-06	2.40E-06	4.46E-02	7.03E-06	2.45E-06	4.45E-02	7.02E-06	2.44E-06
1093	482283.91, 3852513.62	4.99E-02	7.87E-06	2.74E-06	5.10E-02	8.03E-06	2.80E-06	5.09E-02	8.02E-06	2.79E-06
1094	482333.91, 3852513.62	4.21E-02	6.63E-06	2.31E-06	4.30E-02	6.77E-06	2.36E-06	4.29E-02	6.76E-06	2.35E-06
1095	482283.91, 3852563.62	5.98E-02	9.42E-06	3.28E-06	6.10E-02	9.61E-06	3.35E-06	6.09E-02	9.60E-06	3.34E-06
1096	482333.91, 3852563.62	4.95E-02	7.80E-06	2.72E-06	5.05E-02	7.96E-06	2.77E-06	5.04E-02	7.95E-06	2.77E-06
1097	482383.91, 3852563.62	4.19E-02	6.60E-06	2.30E-06	4.28E-02	6.74E-06	2.35E-06	4.27E-02	6.73E-06	2.34E-06
1098	482283.91, 3852613.62	7.70E-02	1.21E-05	4.22E-06	7.85E-02	1.24E-05	4.31E-06	7.84E-02	1.24E-05	4.30E-06
1099	482333.91, 3852613.62	5.97E-02	9.40E-06	3.28E-06	6.09E-02	9.59E-06	3.34E-06	6.08E-02	9.58E-06	3.34E-06
1100	482383.91, 3852613.62	4.89E-02	7.71E-06	2.69E-06	4.99E-02	7.87E-06	2.74E-06	4.99E-02	7.86E-06	2.74E-06
1101	482602.38, 3852600.87	2.54E-02	4.01E-06	1.40E-06	2.60E-02	4.09E-06	1.43E-06	2.59E-02	4.09E-06	1.42E-06
1102	482652.38, 3852600.87	2.32E-02	3.65E-06	1.27E-06	2.37E-02	3.73E-06	1.30E-06	2.36E-02	3.72E-06	1.30E-06
1103	482702.38, 3852600.87	2.04E-02	3.22E-06	1.12E-06	2.09E-02	3.28E-06	1.14E-06	2.08E-02	3.28E-06	1.14E-06
1104	482552.38, 3852650.87	3.28E-02	5.16E-06	1.80E-06	3.35E-02	5.27E-06	1.84E-06	3.34E-02	5.26E-06	1.83E-06
1105	482602.38, 3852650.87	2.84E-02	4.47E-06	1.56E-06	2.90E-02	4.57E-06	1.59E-06	2.89E-02	4.56E-06	1.59E-06
1106	482652.38, 3852650.87	2.57E-02	4.05E-06	1.41E-06	2.62E-02	4.13E-06	1.44E-06	2.62E-02	4.13E-06	1.44E-06
1107	482702.38, 3852650.87	2.35E-02	3.70E-06	1.29E-06	2.40E-02	3.77E-06	1.31E-06	2.39E-02	3.77E-06	1.31E-06
1108	482552.38, 3852700.87	3.71E-02	5.85E-06	2.04E-06	3.79E-02	5.97E-06	2.08E-06	3.78E-02	5.96E-06	2.08E-06
1109	482602.38, 3852700.87	3.27E-02	5.16E-06	1.80E-06	3.34E-02	5.26E-06	1.83E-06	3.34E-02	5.26E-06	1.83E-06
1110	482652.38, 3852700.87	2.96E-02	4.67E-06	1.63E-06	3.02E-02	4.76E-06	1.66E-06	3.02E-02	4.76E-06	1.66E-06
1111	482702.38, 3852700.87	2.66E-02	4.20E-06	1.46E-06	2.72E-02	4.28E-06	1.49E-06	2.72E-02	4.28E-06	1.49E-06
1112	482452.38, 3852750.87	6.41E-02	1.01E-05	3.52E-06	6.54E-02	1.03E-05	3.59E-06	6.54E-02	1.03E-05	3.59E-06

1113	482521.29, 3852749.74	4.77E-02	7.51E-06	2.62E-06	4.86E-02	7.66E-06	2.67E-06	4.86E-02	7.65E-06	2.67E-06
1114	482571.29, 3852749.74	4.04E-02	6.36E-06	2.22E-06	4.12E-02	6.49E-06	2.26E-06	4.12E-02	6.48E-06	2.26E-06
1115	482521.29, 3852799.74	5.77E-02	9.09E-06	3.17E-06	5.89E-02	9.27E-06	3.23E-06	5.88E-02	9.26E-06	3.23E-06
1116	482571.29, 3852799.74	4.73E-02	7.45E-06	2.60E-06	4.83E-02	7.60E-06	2.65E-06	4.82E-02	7.59E-06	2.65E-06
1117	482621.29, 3852799.74	4.01E-02	6.32E-06	2.20E-06	4.09E-02	6.45E-06	2.25E-06	4.09E-02	6.44E-06	2.24E-06
1118	482571.29, 3852849.74	5.70E-02	8.97E-06	3.13E-06	5.81E-02	9.16E-06	3.19E-06	5.80E-02	9.14E-06	3.19E-06
1119	482621.29, 3852849.74	4.67E-02	7.36E-06	2.56E-06	4.77E-02	7.51E-06	2.62E-06	4.76E-02	7.50E-06	2.61E-06
1120	482577.42, 3852901.55	7.00E-02	1.10E-05	3.84E-06	7.15E-02	1.13E-05	3.92E-06	7.14E-02	1.12E-05	3.92E-06
1121	482627.42, 3852901.55	5.51E-02	8.67E-06	3.02E-06	5.62E-02	8.85E-06	3.08E-06	5.61E-02	8.84E-06	3.08E-06
1122	482629.96, 3852955.85	6.83E-02	1.08E-05	3.75E-06	6.96E-02	1.10E-05	3.82E-06	6.96E-02	1.10E-05	3.82E-06
1123	482679.96, 3852955.85	5.32E-02	8.39E-06	2.92E-06	5.43E-02	8.56E-06	2.98E-06	5.43E-02	8.55E-06	2.98E-06
1124	482781.63, 3853034.48	4.31E-02	6.79E-06	2.37E-06	4.40E-02	6.93E-06	2.41E-06	4.40E-02	6.92E-06	2.41E-06
1125	482831.63, 3853034.48	3.60E-02	5.67E-06	1.98E-06	3.67E-02	5.79E-06	2.02E-06	3.67E-02	5.78E-06	2.01E-06
1126	482881.63, 3853034.48	3.07E-02	4.83E-06	1.68E-06	3.13E-02	4.93E-06	1.72E-06	3.13E-02	4.92E-06	1.72E-06
1127	482781.63, 3853084.48	4.75E-02	7.48E-06	2.61E-06	4.85E-02	7.64E-06	2.66E-06	4.84E-02	7.63E-06	2.66E-06
1128	482831.63, 3853084.48	3.90E-02	6.14E-06	2.14E-06	3.98E-02	6.27E-06	2.18E-06	3.97E-02	6.26E-06	2.18E-06
1129	482881.63, 3853084.48	3.31E-02	5.22E-06	1.82E-06	3.38E-02	5.32E-06	1.85E-06	3.37E-02	5.32E-06	1.85E-06
1130	482781.63, 3853134.48	5.31E-02	8.36E-06	2.91E-06	5.42E-02	8.53E-06	2.97E-06	5.41E-02	8.52E-06	2.97E-06
1131	482831.63, 3853134.48	4.26E-02	6.71E-06	2.34E-06	4.34E-02	6.84E-06	2.38E-06	4.34E-02	6.84E-06	2.38E-06
1132	482881.63, 3853134.48	3.58E-02	5.64E-06	1.97E-06	3.65E-02	5.76E-06	2.01E-06	3.65E-02	5.75E-06	2.00E-06
1133	482831.63, 3853184.48	4.72E-02	7.43E-06	2.59E-06	4.82E-02	7.59E-06	2.64E-06	4.81E-02	7.58E-06	2.64E-06
1134	482881.63, 3853184.48	3.88E-02	6.11E-06	2.13E-06	3.95E-02	6.23E-06	2.17E-06	3.95E-02	6.22E-06	2.17E-06
1135	484154.84, 3854250.98	1.91E-03	3.00E-07	1.05E-07	1.95E-03	3.06E-07	1.07E-07	1.94E-03	3.06E-07	1.07E-07
1136	484204.84, 3854250.98	1.89E-03	2.97E-07	1.04E-07	1.93E-03	3.03E-07	1.06E-07	1.92E-03	3.03E-07	1.06E-07
1137	484154.84, 3854300.98	1.80E-03	2.84E-07	9.89E-08	1.84E-03	2.90E-07	1.01E-07	1.84E-03	2.89E-07	1.01E-07
1138	484204.84, 3854300.98	1.80E-03	2.83E-07	9.85E-08	1.83E-03	2.89E-07	1.01E-07	1.83E-03	2.88E-07	1.00E-07
1139	484074.19, 3854519.8	1.51E-03	2.38E-07	8.28E-08	1.54E-03	2.42E-07	8.44E-08	1.54E-03	2.42E-07	8.43E-08
1140	484124.19, 3854519.8	1.50E-03	2.36E-07	8.21E-08	1.53E-03	2.40E-07	8.37E-08	1.52E-03	2.40E-07	8.36E-08
1141	484074.19, 3854569.8	1.45E-03	2.29E-07	7.97E-08	1.48E-03	2.33E-07	8.13E-08	1.48E-03	2.33E-07	8.12E-08
1142	484124.19, 3854569.8	1.43E-03	2.25E-07	7.84E-08	1.46E-03	2.30E-07	8.01E-08	1.46E-03	2.30E-07	8.00E-08
1143	485205.11, 3855188.89	1.21E-03	1.90E-07	6.63E-08	1.23E-03	1.94E-07	6.76E-08	1.23E-03	1.94E-07	6.76E-08
1144	485255.11, 3855188.89	1.19E-03	1.88E-07	6.54E-08	1.22E-03	1.92E-07	6.67E-08	1.21E-03	1.91E-07	6.67E-08
1145	485205.11, 3855238.89	1.19E-03	1.87E-07	6.52E-08	1.21E-03	1.91E-07	6.65E-08	1.21E-03	1.91E-07	6.64E-08
1146	485255.11, 3855238.89	1.18E-03	1.86E-07	6.48E-08	1.20E-03	1.90E-07	6.61E-08	1.20E-03	1.90E-07	6.60E-08
1147	485205.11, 3855288.89	1.19E-03	1.88E-07	6.54E-08	1.22E-03	1.92E-07	6.67E-08	1.21E-03	1.91E-07	6.66E-08
1148	485255.11, 3855288.89	1.18E-03	1.86E-07	6.48E-08	1.20E-03	1.90E-07	6.61E-08	1.20E-03	1.90E-07	6.60E-08
1149	485255.11, 3855338.89	1.18E-03	1.86E-07	6.47E-08	1.20E-03	1.89E-07	6.60E-08	1.20E-03	1.89E-07	6.59E-08
1150	485305.11, 3855338.89	1.17E-03	1.84E-07	6.41E-08	1.19E-03	1.88E-07	6.54E-08	1.19E-03	1.87E-07	6.53E-08
1151	485852.5, 3855635.28	1.05E-03	1.66E-07	5.78E-08	1.08E-03	1.69E-07	5.90E-08	1.07E-03	1.69E-07	5.89E-08
1152	485902.5, 3855635.28	1.04E-03	1.64E-07	5.73E-08	1.07E-03	1.68E-07	5.85E-08	1.06E-03	1.68E-07	5.84E-08
1153	485852.5, 3855685.28	1.05E-03	1.65E-07	5.74E-08	1.07E-03	1.68E-07	5.86E-08	1.07E-03	1.68E-07	5.85E-08
1154	485902.5, 3855685.28	1.04E-03	1.63E-07	5.69E-08	1.06E-03	1.67E-07	5.81E-08	1.06E-03	1.66E-07	5.80E-08
1155	485852.5, 3855735.28	1.04E-03	1.64E-07	5.70E-08	1.06E-03	1.67E-07	5.82E-08	1.06E-03	1.67E-07	5.81E-08
1156	485902.5, 3855735.28	1.03E-03	1.63E-07	5.67E-08	1.05E-03	1.66E-07	5.78E-08	1.05E-03	1.66E-07	5.77E-08
1157	485852.5, 3855785.28	1.03E-03	1.63E-07	5.67E-08	1.05E-03	1.66E-07	5.79E-08	1.05E-03	1.66E-07	5.78E-08
1158	485902.5, 3855785.28	1.02E-03	1.61E-07	5.62E-08	1.05E-03	1.65E-07	5.74E-08	1.04E-03	1.65E-07	5.73E-08
1159	486809.46, 3856465.28	8.94E-04	1.41E-07	4.90E-08	9.12E-04	1.44E-07	5.01E-08	9.11E-04	1.43E-07	5.00E-08
1160	486859.46, 3856465.28	8.92E-04	1.41E-07	4.90E-08	9.10E-04	1.43E-07	5.00E-08	9.09E-04	1.43E-07	4.99E-08
1161	486909.46, 3856465.28	8.89E-04	1.40E-07	4.88E-08	9.07E-04	1.43E-07	4.98E-08	9.06E-04	1.43E-07	4.97E-08
1162	486809.46, 3856515.28	8.95E-04	1.41E-07	4.91E-08	9.13E-04	1.44E-07	5.01E-08	9.12E-04	1.44E-07	5.00E-08
1163	486859.46, 3856515.28	8.94E-04	1.41E-07	4.91E-08	9.13E-04	1.44E-07	5.01E-08	9.11E-04	1.44E-07	5.00E-08
1164	486909.46, 3856515.28	8.93E-04	1.41E-07	4.90E-08	9.11E-04	1.43E-07	5.00E-08	9.10E-04	1.43E-07	4.99E-08
1165	486980.94, 3856357.95	8.85E-04	1.39E-07	4.86E-08	9.03E-04	1.42E-07	4.96E-08	9.02E-04	1.42E-07	4.95E-08
1166	487030.94, 3856357.95	8.85E-04	1.39E-07	4.85E-08	9.03E-04	1.42E-07	4.95E-08	9.02E-04	1.42E-07	4.95E-08
1167	486980.94, 3856407.95	8.86E-04	1.40E-07	4.86E-08	9.04E-04	1.42E-07	4.96E-08	9.03E-04	1.42E-07	4.95E-08
1168	487030.94, 3856407.95	8.84E-04	1.39E-07	4.85E-08	9.02E-04	1.42E-07	4.95E-08	9.01E-04	1.42E-07	4.95E-08
1169	487447.18, 3856437.45	8.88E-04	1.40E-07	4.87E-08	9.06E-04	1.43E-07	4.97E-08	9.05E-04	1.43E-07	4.97E-08
1170	487497.18, 3856437.45	8.90E-04	1.40E-07	4.89E-08	9.08E-04	1.43E-07	4.99E-08	9.07E-04	1.43E-07	4.98E-08
1171	487547.18, 3856437.45	8.92E-04	1.41E-07	4.90E-08	9.10E-04	1.43E-07	5.00E-08	9.09E-04	1.43E-07	4.99E-08
1172	487447.18, 3856487.45	8.87E-04	1.40E-07	4.87E-08	9.05E-04	1.43E-07	4.97E-08	9.04E-04	1.42E-07	4.96E-08
1173	487497.18, 3856487.45	8.88E-04	1.40E-07	4.88E-08	9.07E-04	1.43E-07	4.98E-08	9.05E-04	1.43E-07	4.97E-08
1174	487547.18, 3856487.45	8.91E-04	1.40E-07	4.89E-08	9.09E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.98E-08

1175	487447.18, 3856537.45	8.86E-04	1.40E-07	4.86E-08	9.04E-04	1.42E-07	4.96E-08	9.03E-04	1.42E-07	4.96E-08
1176	487497.18, 3856537.45	8.88E-04	1.40E-07	4.87E-08	9.06E-04	1.43E-07	4.97E-08	9.05E-04	1.43E-07	4.96E-08
1177	487547.18, 3856537.45	8.90E-04	1.40E-07	4.89E-08	9.09E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.98E-08
1178	489285.89, 3858826.54	1.16E-02	1.83E-06	6.38E-07	1.19E-02	1.87E-06	6.51E-07	1.18E-02	1.87E-06	6.50E-07
1179	489335.89, 3858826.54	1.13E-02	1.78E-06	6.19E-07	1.15E-02	1.81E-06	6.32E-07	1.15E-02	1.81E-06	6.31E-07
1180	489385.89, 3858826.54	1.09E-02	1.72E-06	6.00E-07	1.11E-02	1.76E-06	6.12E-07	1.11E-02	1.75E-06	6.11E-07
1181	489435.89, 3858826.54	1.06E-02	1.67E-06	5.81E-07	1.08E-02	1.70E-06	5.93E-07	1.08E-02	1.70E-06	5.92E-07
1182	489485.89, 3858826.54	1.03E-02	1.62E-06	5.63E-07	1.05E-02	1.65E-06	5.74E-07	1.04E-02	1.65E-06	5.73E-07
1183	489535.89, 3858826.54	9.93E-03	1.56E-06	5.45E-07	1.01E-02	1.60E-06	5.56E-07	1.01E-02	1.59E-06	5.56E-07
1184	489585.89, 3858826.54	9.63E-03	1.52E-06	5.29E-07	9.83E-03	1.55E-06	5.39E-07	9.82E-03	1.55E-06	5.39E-07
1185	489635.89, 3858826.54	9.34E-03	1.47E-06	5.13E-07	9.53E-03	1.50E-06	5.23E-07	9.52E-03	1.50E-06	5.22E-07
1186	489685.89, 3858826.54	9.06E-03	1.43E-06	4.97E-07	9.25E-03	1.46E-06	5.07E-07	9.23E-03	1.45E-06	5.07E-07
1187	489735.89, 3858826.54	8.80E-03	1.39E-06	4.83E-07	8.98E-03	1.41E-06	4.93E-07	8.97E-03	1.41E-06	4.92E-07
1188	489785.89, 3858826.54	8.57E-03	1.35E-06	4.70E-07	8.75E-03	1.38E-06	4.80E-07	8.74E-03	1.38E-06	4.79E-07
1189	489835.89, 3858826.54	8.33E-03	1.31E-06	4.57E-07	8.51E-03	1.34E-06	4.67E-07	8.50E-03	1.34E-06	4.66E-07
1190	489885.89, 3858826.54	8.14E-03	1.28E-06	4.47E-07	8.30E-03	1.31E-06	4.56E-07	8.29E-03	1.31E-06	4.55E-07
1191	489935.89, 3858826.54	7.93E-03	1.25E-06	4.35E-07	8.09E-03	1.28E-06	4.44E-07	8.08E-03	1.27E-06	4.44E-07
1192	489985.89, 3858826.54	7.72E-03	1.22E-06	4.24E-07	7.88E-03	1.24E-06	4.32E-07	7.87E-03	1.24E-06	4.32E-07
1193	490035.89, 3858826.54	7.43E-03	1.17E-06	4.08E-07	7.59E-03	1.20E-06	4.16E-07	7.58E-03	1.19E-06	4.16E-07
1194	489285.89, 3858876.54	1.66E-02	2.61E-06	9.09E-07	1.69E-02	2.66E-06	9.27E-07	1.69E-02	2.66E-06	9.26E-07
1195	489335.89, 3858876.54	1.55E-02	2.45E-06	8.53E-07	1.59E-02	2.50E-06	8.70E-07	1.58E-02	2.50E-06	8.69E-07
1196	489385.89, 3858876.54	1.47E-02	2.31E-06	8.05E-07	1.50E-02	2.36E-06	8.21E-07	1.49E-02	2.35E-06	8.20E-07
1197	489435.89, 3858876.54	1.39E-02	2.19E-06	7.62E-07	1.42E-02	2.23E-06	7.77E-07	1.41E-02	2.23E-06	7.76E-07
1198	489485.89, 3858876.54	1.32E-02	2.08E-06	7.24E-07	1.35E-02	2.12E-06	7.39E-07	1.34E-02	2.12E-06	7.38E-07
1199	489535.89, 3858876.54	1.26E-02	1.98E-06	6.89E-07	1.28E-02	2.02E-06	7.03E-07	1.28E-02	2.02E-06	7.03E-07
1200	489585.89, 3858876.54	1.20E-02	1.89E-06	6.58E-07	1.22E-02	1.93E-06	6.71E-07	1.22E-02	1.92E-06	6.70E-07
1201	489635.89, 3858876.54	1.15E-02	1.81E-06	6.30E-07	1.17E-02	1.85E-06	6.43E-07	1.17E-02	1.84E-06	6.42E-07
1202	489685.89, 3858876.54	1.10E-02	1.74E-06	6.05E-07	1.12E-02	1.77E-06	6.17E-07	1.12E-02	1.77E-06	6.16E-07
1203	489735.89, 3858876.54	1.06E-02	1.67E-06	5.81E-07	1.08E-02	1.70E-06	5.93E-07	1.08E-02	1.70E-06	5.92E-07
1204	489785.89, 3858876.54	1.02E-02	1.61E-06	5.61E-07	1.04E-02	1.64E-06	5.72E-07	1.04E-02	1.64E-06	5.72E-07
1205	489835.89, 3858876.54	9.87E-03	1.55E-06	5.42E-07	1.01E-02	1.59E-06	5.53E-07	1.01E-02	1.58E-06	5.52E-07
1206	489885.89, 3858876.54	9.57E-03	1.51E-06	5.25E-07	9.77E-03	1.54E-06	5.36E-07	9.76E-03	1.54E-06	5.35E-07
1207	489935.89, 3858876.54	9.26E-03	1.46E-06	5.08E-07	9.45E-03	1.49E-06	5.19E-07	9.44E-03	1.49E-06	5.18E-07
1208	489985.89, 3858876.54	8.94E-03	1.41E-06	4.91E-07	9.13E-03	1.44E-06	5.01E-07	9.12E-03	1.44E-06	5.00E-07
1209	490035.89, 3858876.54	8.59E-03	1.35E-06	4.72E-07	8.77E-03	1.38E-06	4.81E-07	8.76E-03	1.38E-06	4.81E-07
1210	489285.89, 3858926.54	2.32E-02	3.66E-06	1.27E-06	2.37E-02	3.73E-06	1.30E-06	2.37E-02	3.73E-06	1.30E-06
1211	489335.89, 3858926.54	2.11E-02	3.33E-06	1.16E-06	2.16E-02	3.40E-06	1.18E-06	2.15E-02	3.39E-06	1.18E-06
1212	489385.89, 3858926.54	1.94E-02	3.06E-06	1.07E-06	1.98E-02	3.12E-06	1.09E-06	1.98E-02	3.12E-06	1.09E-06
1213	489435.89, 3858926.54	1.80E-02	2.83E-06	9.87E-07	1.84E-02	2.89E-06	1.01E-06	1.83E-02	2.89E-06	1.01E-06
1214	489485.89, 3858926.54	1.68E-02	2.64E-06	9.21E-07	1.71E-02	2.70E-06	9.39E-07	1.71E-02	2.69E-06	9.38E-07
1215	489535.89, 3858926.54	1.57E-02	2.48E-06	8.63E-07	1.61E-02	2.53E-06	8.81E-07	1.60E-02	2.53E-06	8.80E-07
1216	489585.89, 3858926.54	1.48E-02	2.33E-06	8.13E-07	1.51E-02	2.38E-06	8.30E-07	1.51E-02	2.38E-06	8.29E-07
1217	489635.89, 3858926.54	1.40E-02	2.21E-06	7.69E-07	1.43E-02	2.25E-06	7.85E-07	1.43E-02	2.25E-06	7.84E-07
1218	489685.89, 3858926.54	1.33E-02	2.10E-06	7.30E-07	1.36E-02	2.14E-06	7.45E-07	1.36E-02	2.14E-06	7.44E-07
1219	489735.89, 3858926.54	1.27E-02	2.00E-06	6.96E-07	1.29E-02	2.04E-06	7.11E-07	1.29E-02	2.04E-06	7.10E-07
1220	489785.89, 3858926.54	1.21E-02	1.91E-06	6.66E-07	1.24E-02	1.95E-06	6.79E-07	1.24E-02	1.95E-06	6.79E-07
1221	489835.89, 3858926.54	1.16E-02	1.83E-06	6.38E-07	1.19E-02	1.87E-06	6.51E-07	1.18E-02	1.87E-06	6.50E-07
1222	489885.89, 3858926.54	1.12E-02	1.76E-06	6.13E-07	1.14E-02	1.80E-06	6.26E-07	1.14E-02	1.79E-06	6.25E-07
1223	489935.89, 3858926.54	1.08E-02	1.69E-06	5.90E-07	1.10E-02	1.73E-06	6.03E-07	1.10E-02	1.73E-06	6.02E-07
1224	489985.89, 3858926.54	1.03E-02	1.63E-06	5.68E-07	1.06E-02	1.66E-06	5.80E-07	1.05E-02	1.66E-06	5.79E-07
1225	490035.89, 3858926.54	9.82E-03	1.55E-06	5.39E-07	1.00E-02	1.58E-06	5.50E-07	1.00E-02	1.58E-06	5.49E-07
1226	489335.89, 3858976.54	2.83E-02	4.46E-06	1.55E-06	2.89E-02	4.55E-06	1.58E-06	2.88E-02	4.54E-06	1.58E-06
1227	489385.89, 3858976.54	2.54E-02	4.00E-06	1.39E-06	2.59E-02	4.08E-06	1.42E-06	2.59E-02	4.07E-06	1.42E-06
1228	489435.89, 3858976.54	2.31E-02	3.63E-06	1.27E-06	2.35E-02	3.71E-06	1.29E-06	2.35E-02	3.70E-06	1.29E-06
1229	489485.89, 3858976.54	2.11E-02	3.33E-06	1.16E-06	2.16E-02	3.40E-06	1.18E-06	2.16E-02	3.39E-06	1.18E-06
1230	489535.89, 3858976.54	1.95E-02	3.08E-06	1.07E-06	1.99E-02	3.14E-06	1.09E-06	1.99E-02	3.14E-06	1.09E-06
1231	489585.89, 3858976.54	1.82E-02	2.87E-06	9.98E-07	1.86E-02	2.92E-06	1.02E-06	1.85E-02	2.92E-06	1.02E-06
1232	489635.89, 3858976.54	1.70E-02	2.68E-06	9.34E-07	1.74E-02	2.74E-06	9.53E-07	1.74E-02	2.73E-06	9.52E-07
1233	489685.89, 3858976.54	1.60E-02	2.52E-06	8.78E-07	1.63E-02	2.57E-06	8.96E-07	1.63E-02	2.57E-06	8.95E-07
1234	489735.89, 3858976.54	1.51E-02	2.38E-06	8.29E-07	1.54E-02	2.43E-06	8.46E-07	1.54E-02	2.43E-06	8.45E-07
1235	489785.89, 3858976.54	1.43E-02	2.26E-06	7.88E-07	1.46E-02	2.31E-06	8.04E-07	1.46E-02	2.30E-06	8.03E-07
1236	489835.89, 3858976.54	1.37E-02	2.15E-06	7.50E-07	1.39E-02	2.20E-06	7.65E-07	1.39E-02	2.19E-06	7.64E-07

1237	489885.89, 3858976.54	1.30E-02	2.05E-06	7.13E-07	1.33E-02	2.09E-06	7.28E-07	1.32E-02	2.09E-06	7.27E-07
1238	489935.89, 3858976.54	1.24E-02	1.96E-06	6.82E-07	1.27E-02	2.00E-06	6.96E-07	1.27E-02	1.99E-06	6.95E-07
1239	489985.89, 3858976.54	1.19E-02	1.87E-06	6.53E-07	1.21E-02	1.91E-06	6.66E-07	1.21E-02	1.91E-06	6.66E-07
1240	490035.89, 3858976.54	1.11E-02	1.75E-06	6.08E-07	1.13E-02	1.78E-06	6.21E-07	1.13E-02	1.78E-06	6.20E-07
1241	489385.89, 3859026.54	3.30E-02	5.21E-06	1.81E-06	3.37E-02	5.31E-06	1.85E-06	3.37E-02	5.31E-06	1.85E-06
1242	489435.89, 3859026.54	2.94E-02	4.63E-06	1.61E-06	3.00E-02	4.73E-06	1.65E-06	3.00E-02	4.72E-06	1.65E-06
1243	489485.89, 3859026.54	2.65E-02	4.18E-06	1.46E-06	2.71E-02	4.27E-06	1.49E-06	2.70E-02	4.26E-06	1.48E-06
1244	489535.89, 3859026.54	2.42E-02	3.81E-06	1.33E-06	2.47E-02	3.89E-06	1.35E-06	2.47E-02	3.88E-06	1.35E-06
1245	489585.89, 3859026.54	2.22E-02	3.50E-06	1.22E-06	2.27E-02	3.57E-06	1.24E-06	2.27E-02	3.57E-06	1.24E-06
1246	489635.89, 3859026.54	2.06E-02	3.24E-06	1.13E-06	2.10E-02	3.31E-06	1.15E-06	2.10E-02	3.31E-06	1.15E-06
1247	489685.89, 3859026.54	1.92E-02	3.02E-06	1.05E-06	1.96E-02	3.09E-06	1.08E-06	1.96E-02	3.08E-06	1.07E-06
1248	489735.89, 3859026.54	1.80E-02	2.84E-06	9.88E-07	1.84E-02	2.89E-06	1.01E-06	1.83E-02	2.89E-06	1.01E-06
1249	489785.89, 3859026.54	1.69E-02	2.67E-06	9.30E-07	1.73E-02	2.72E-06	9.49E-07	1.73E-02	2.72E-06	9.48E-07
1250	489835.89, 3859026.54	1.60E-02	2.52E-06	8.77E-07	1.63E-02	2.57E-06	8.95E-07	1.63E-02	2.56E-06	8.94E-07
1251	489885.89, 3859026.54	1.51E-02	2.38E-06	8.30E-07	1.54E-02	2.43E-06	8.47E-07	1.54E-02	2.43E-06	8.46E-07
1252	489935.89, 3859026.54	1.43E-02	2.26E-06	7.87E-07	1.46E-02	2.31E-06	8.03E-07	1.46E-02	2.30E-06	8.02E-07
1253	489985.89, 3859026.54	1.36E-02	2.15E-06	7.48E-07	1.39E-02	2.19E-06	7.64E-07	1.39E-02	2.19E-06	7.63E-07
1254	490035.89, 3859026.54	1.26E-02	1.98E-06	6.90E-07	1.28E-02	2.02E-06	7.04E-07	1.28E-02	2.02E-06	7.03E-07
1255	489485.89, 3859076.54	3.36E-02	5.29E-06	1.84E-06	3.43E-02	5.40E-06	1.88E-06	3.42E-02	5.39E-06	1.88E-06
1256	489535.89, 3859076.54	3.01E-02	4.74E-06	1.65E-06	3.07E-02	4.84E-06	1.69E-06	3.07E-02	4.83E-06	1.68E-06
1257	489585.89, 3859076.54	2.73E-02	4.30E-06	1.50E-06	2.79E-02	4.39E-06	1.53E-06	2.78E-02	4.38E-06	1.53E-06
1258	489635.89, 3859076.54	2.50E-02	3.94E-06	1.37E-06	2.55E-02	4.02E-06	1.40E-06	2.55E-02	4.02E-06	1.40E-06
1259	489685.89, 3859076.54	2.31E-02	3.64E-06	1.27E-06	2.36E-02	3.71E-06	1.29E-06	2.35E-02	3.71E-06	1.29E-06
1260	489735.89, 3859076.54	2.15E-02	3.38E-06	1.18E-06	2.19E-02	3.45E-06	1.20E-06	2.19E-02	3.45E-06	1.20E-06
1261	489785.89, 3859076.54	2.00E-02	3.16E-06	1.10E-06	2.04E-02	3.22E-06	1.12E-06	2.04E-02	3.22E-06	1.12E-06
1262	489835.89, 3859076.54	1.88E-02	2.95E-06	1.03E-06	1.91E-02	3.01E-06	1.05E-06	1.91E-02	3.01E-06	1.05E-06
1263	489885.89, 3859076.54	1.76E-02	2.78E-06	9.67E-07	1.80E-02	2.83E-06	9.87E-07	1.80E-02	2.83E-06	9.86E-07
1264	489935.89, 3859076.54	1.66E-02	2.62E-06	9.13E-07	1.70E-02	2.67E-06	9.32E-07	1.70E-02	2.67E-06	9.31E-07
1265	489985.89, 3859076.54	1.57E-02	2.47E-06	8.61E-07	1.60E-02	2.52E-06	8.79E-07	1.60E-02	2.52E-06	8.78E-07
1266	490035.89, 3859076.54	1.44E-02	2.28E-06	7.93E-07	1.47E-02	2.32E-06	8.09E-07	1.47E-02	2.32E-06	8.08E-07
1267	489585.89, 3859126.54	3.41E-02	5.37E-06	1.87E-06	3.48E-02	5.48E-06	1.91E-06	3.48E-02	5.48E-06	1.91E-06
1268	489635.89, 3859126.54	3.08E-02	4.85E-06	1.69E-06	3.14E-02	4.95E-06	1.72E-06	3.14E-02	4.94E-06	1.72E-06
1269	489685.89, 3859126.54	2.80E-02	4.42E-06	1.54E-06	2.86E-02	4.51E-06	1.57E-06	2.86E-02	4.50E-06	1.57E-06
1270	489735.89, 3859126.54	2.57E-02	4.05E-06	1.41E-06	2.63E-02	4.14E-06	1.44E-06	2.62E-02	4.13E-06	1.44E-06
1271	489785.89, 3859126.54	2.38E-02	3.75E-06	1.31E-06	2.43E-02	3.83E-06	1.33E-06	2.43E-02	3.82E-06	1.33E-06
1272	489835.89, 3859126.54	2.21E-02	3.48E-06	1.21E-06	2.25E-02	3.55E-06	1.24E-06	2.25E-02	3.55E-06	1.24E-06
1273	489885.89, 3859126.54	2.06E-02	3.24E-06	1.13E-06	2.10E-02	3.31E-06	1.15E-06	2.10E-02	3.31E-06	1.15E-06
1274	489935.89, 3859126.54	1.93E-02	3.04E-06	1.06E-06	1.97E-02	3.10E-06	1.08E-06	1.97E-02	3.10E-06	1.08E-06
1275	489985.89, 3859126.54	1.80E-02	2.83E-06	9.87E-07	1.84E-02	2.89E-06	1.01E-06	1.83E-02	2.89E-06	1.01E-06
1276	490035.89, 3859126.54	1.67E-02	2.62E-06	9.14E-07	1.70E-02	2.68E-06	9.33E-07	1.70E-02	2.67E-06	9.32E-07
1277	489585.89, 3859176.54	4.39E-02	6.92E-06	2.41E-06	4.48E-02	7.06E-06	2.46E-06	4.48E-02	7.06E-06	2.46E-06
1278	489635.89, 3859176.54	3.87E-02	6.10E-06	2.12E-06	3.95E-02	6.22E-06	2.17E-06	3.95E-02	6.22E-06	2.17E-06
1279	489685.89, 3859176.54	3.46E-02	5.45E-06	1.90E-06	3.53E-02	5.56E-06	1.94E-06	3.53E-02	5.56E-06	1.94E-06
1280	489735.89, 3859176.54	3.13E-02	4.93E-06	1.72E-06	3.19E-02	5.03E-06	1.75E-06	3.19E-02	5.03E-06	1.75E-06
1281	489785.89, 3859176.54	2.85E-02	4.50E-06	1.57E-06	2.91E-02	4.59E-06	1.60E-06	2.91E-02	4.58E-06	1.60E-06
1282	489835.89, 3859176.54	2.62E-02	4.13E-06	1.44E-06	2.68E-02	4.22E-06	1.47E-06	2.67E-02	4.21E-06	1.47E-06
1283	489885.89, 3859176.54	2.42E-02	3.82E-06	1.33E-06	2.47E-02	3.90E-06	1.36E-06	2.47E-02	3.89E-06	1.36E-06
1284	489935.89, 3859176.54	2.25E-02	3.55E-06	1.24E-06	2.30E-02	3.62E-06	1.26E-06	2.29E-02	3.62E-06	1.26E-06
1285	489985.89, 3859176.54	2.08E-02	3.28E-06	1.14E-06	2.13E-02	3.35E-06	1.17E-06	2.12E-02	3.35E-06	1.17E-06
1286	490035.89, 3859176.54	1.95E-02	3.08E-06	1.07E-06	1.99E-02	3.14E-06	1.09E-06	1.99E-02	3.14E-06	1.09E-06
1287	489685.89, 3859226.54	4.40E-02	6.94E-06	2.42E-06	4.49E-02	7.08E-06	2.47E-06	4.49E-02	7.07E-06	2.46E-06
1288	489735.89, 3859226.54	3.89E-02	6.13E-06	2.14E-06	3.97E-02	6.26E-06	2.18E-06	3.97E-02	6.25E-06	2.18E-06
1289	489785.89, 3859226.54	3.49E-02	5.49E-06	1.91E-06	3.56E-02	5.61E-06	1.95E-06	3.55E-02	5.60E-06	1.95E-06
1290	489835.89, 3859226.54	3.15E-02	4.97E-06	1.73E-06	3.22E-02	5.07E-06	1.77E-06	3.21E-02	5.06E-06	1.76E-06
1291	489885.89, 3859226.54	2.88E-02	4.54E-06	1.58E-06	2.94E-02	4.63E-06	1.61E-06	2.93E-02	4.62E-06	1.61E-06
1292	489935.89, 3859226.54	2.65E-02	4.17E-06	1.45E-06	2.70E-02	4.25E-06	1.48E-06	2.70E-02	4.25E-06	1.48E-06
1293	489985.89, 3859226.54	2.42E-02	3.81E-06	1.33E-06	2.47E-02	3.88E-06	1.35E-06	2.46E-02	3.88E-06	1.35E-06
1294	490035.89, 3859226.54	2.25E-02	3.55E-06	1.24E-06	2.30E-02	3.62E-06	1.26E-06	2.30E-02	3.62E-06	1.26E-06
1295	489735.89, 3859276.54	5.04E-02	7.95E-06	2.77E-06	5.15E-02	8.11E-06	2.82E-06	5.14E-02	8.10E-06	2.82E-06
1296	489785.89, 3859276.54	4.39E-02	6.92E-06	2.41E-06	4.48E-02	7.06E-06	2.46E-06	4.48E-02	7.05E-06	2.46E-06
1297	489835.89, 3859276.54	3.89E-02	6.12E-06	2.13E-06	3.96E-02	6.25E-06	2.18E-06	3.96E-02	6.24E-06	2.17E-06
1298	489885.89, 3859276.54	3.49E-02	5.49E-06	1.91E-06	3.56E-02	5.61E-06	1.95E-06	3.55E-02	5.60E-06	1.95E-06

1299	489935.89, 3859276.54	3.16E-02	4.97E-06	1.73E-06	3.22E-02	5.07E-06	1.77E-06	3.22E-02	5.07E-06	1.77E-06
1300	489985.89, 3859276.54	2.83E-02	4.46E-06	1.56E-06	2.89E-02	4.56E-06	1.59E-06	2.89E-02	4.55E-06	1.59E-06
1301	490035.89, 3859276.54	2.64E-02	4.16E-06	1.45E-06	2.69E-02	4.24E-06	1.48E-06	2.69E-02	4.24E-06	1.48E-06
1302	490458.06, 3859590.74	4.46E-02	7.03E-06	2.45E-06	4.55E-02	7.17E-06	2.50E-06	4.55E-02	7.17E-06	2.50E-06
1303	490508.06, 3859590.74	3.99E-02	6.28E-06	2.19E-06	4.07E-02	6.41E-06	2.23E-06	4.07E-02	6.41E-06	2.23E-06
1304	490558.06, 3859590.74	3.54E-02	5.58E-06	1.94E-06	3.61E-02	5.69E-06	1.98E-06	3.61E-02	5.68E-06	1.98E-06
1305	490608.06, 3859590.74	3.19E-02	5.02E-06	1.75E-06	3.25E-02	5.12E-06	1.78E-06	3.25E-02	5.12E-06	1.78E-06
1306	490658.06, 3859590.74	2.88E-02	4.54E-06	1.58E-06	2.94E-02	4.63E-06	1.61E-06	2.94E-02	4.63E-06	1.61E-06
1307	490708.06, 3859590.74	2.62E-02	4.13E-06	1.44E-06	2.68E-02	4.21E-06	1.47E-06	2.67E-02	4.21E-06	1.47E-06
1308	490758.06, 3859590.74	2.38E-02	3.75E-06	1.31E-06	2.43E-02	3.82E-06	1.33E-06	2.42E-02	3.82E-06	1.33E-06
1309	490808.06, 3859590.74	2.19E-02	3.45E-06	1.20E-06	2.24E-02	3.52E-06	1.23E-06	2.23E-02	3.52E-06	1.23E-06
1310	490858.06, 3859590.74	2.02E-02	3.18E-06	1.11E-06	2.06E-02	3.24E-06	1.13E-06	2.06E-02	3.24E-06	1.13E-06
1311	490458.06, 3859640.74	6.23E-02	9.82E-06	3.42E-06	6.36E-02	1.00E-05	3.49E-06	6.35E-02	1.00E-05	3.49E-06
1312	490508.06, 3859640.74	5.41E-02	8.52E-06	2.97E-06	5.52E-02	8.69E-06	3.03E-06	5.51E-02	8.68E-06	3.02E-06
1313	490558.06, 3859640.74	4.74E-02	7.47E-06	2.60E-06	4.84E-02	7.62E-06	2.66E-06	4.83E-02	7.62E-06	2.65E-06
1314	490608.06, 3859640.74	4.14E-02	6.53E-06	2.27E-06	4.23E-02	6.66E-06	2.32E-06	4.22E-02	6.65E-06	2.32E-06
1315	490658.06, 3859640.74	3.61E-02	5.69E-06	1.98E-06	3.68E-02	5.80E-06	2.02E-06	3.68E-02	5.80E-06	2.02E-06
1316	490708.06, 3859640.74	3.23E-02	5.08E-06	1.77E-06	3.29E-02	5.19E-06	1.81E-06	3.29E-02	5.18E-06	1.80E-06
1317	490758.06, 3859640.74	2.89E-02	4.55E-06	1.59E-06	2.95E-02	4.65E-06	1.62E-06	2.95E-02	4.64E-06	1.62E-06
1318	490808.06, 3859640.74	2.65E-02	4.18E-06	1.45E-06	2.70E-02	4.26E-06	1.48E-06	2.70E-02	4.26E-06	1.48E-06
1319	490858.06, 3859640.74	2.44E-02	3.85E-06	1.34E-06	2.49E-02	3.93E-06	1.37E-06	2.49E-02	3.92E-06	1.37E-06
1320	490608.06, 3859690.74	5.76E-02	9.07E-06	3.16E-06	5.88E-02	9.26E-06	3.23E-06	5.87E-02	9.25E-06	3.22E-06
1321	490658.06, 3859690.74	4.83E-02	7.61E-06	2.65E-06	4.93E-02	7.77E-06	2.71E-06	4.93E-02	7.76E-06	2.70E-06
1322	490708.06, 3859690.74	4.17E-02	6.57E-06	2.29E-06	4.26E-02	6.70E-06	2.34E-06	4.25E-02	6.70E-06	2.33E-06
1323	490758.06, 3859690.74	3.64E-02	5.74E-06	2.00E-06	3.72E-02	5.86E-06	2.04E-06	3.71E-02	5.85E-06	2.04E-06
1324	490808.06, 3859690.74	3.26E-02	5.14E-06	1.79E-06	3.33E-02	5.25E-06	1.83E-06	3.33E-02	5.24E-06	1.83E-06
1325	490858.06, 3859690.74	3.03E-02	4.77E-06	1.66E-06	3.09E-02	4.86E-06	1.69E-06	3.08E-02	4.86E-06	1.69E-06
1326	490708.06, 3859740.74	6.04E-02	9.51E-06	3.31E-06	6.16E-02	9.71E-06	3.38E-06	6.15E-02	9.70E-06	3.38E-06
1327	490758.06, 3859740.74	5.15E-02	8.11E-06	2.83E-06	5.26E-02	8.28E-06	2.88E-06	5.25E-02	8.27E-06	2.88E-06
1328	490808.06, 3859740.74	4.45E-02	7.01E-06	2.44E-06	4.54E-02	7.15E-06	2.49E-06	4.54E-02	7.14E-06	2.49E-06
1329	490858.06, 3859740.74	3.96E-02	6.24E-06	2.17E-06	4.04E-02	6.37E-06	2.22E-06	4.04E-02	6.36E-06	2.22E-06
1330	490786.56, 3859749.39	5.07E-02	7.99E-06	2.78E-06	5.18E-02	8.16E-06	2.84E-06	5.17E-02	8.15E-06	2.84E-06
1331	490836.56, 3859749.39	4.38E-02	6.90E-06	2.41E-06	4.47E-02	7.05E-06	2.45E-06	4.47E-02	7.04E-06	2.45E-06
1332	490786.56, 3859799.39	7.95E-02	1.25E-05	4.37E-06	8.12E-02	1.28E-05	4.45E-06	8.11E-02	1.28E-05	4.45E-06
1333	490836.56, 3859799.39	6.54E-02	1.03E-05	3.59E-06	6.67E-02	1.05E-05	3.66E-06	6.66E-02	1.05E-05	3.66E-06
1334	492307.84, 3854508.36	9.82E-04	1.55E-07	5.39E-08	1.00E-03	1.58E-07	5.50E-08	1.00E-03	1.58E-07	5.50E-08
1335	486445.7, 3854753.6	1.22E-03	1.93E-07	6.72E-08	1.25E-03	1.97E-07	6.86E-08	1.25E-03	1.97E-07	6.85E-08
1336	472599.75, 3877830.11	7.87E-05	1.24E-08	4.32E-09	8.03E-05	1.26E-08	4.41E-09	8.02E-05	1.26E-08	4.40E-09
1337	493107.48, 3866840.19	2.02E-04	3.18E-08	1.11E-08	2.06E-04	3.25E-08	1.13E-08	2.06E-04	3.25E-08	1.13E-08
1338	495815.8, 3861662.87	1.24E-03	1.96E-07	6.83E-08	1.27E-03	2.00E-07	6.97E-08	1.27E-03	2.00E-07	6.96E-08
1339	480272.33, 3841389.2	4.48E-05	7.06E-09	2.46E-09	4.57E-05	7.20E-09	2.51E-09	4.56E-05	7.19E-09	2.51E-09
1340	497005.18, 3862813.64	6.96E-04	1.10E-07	3.82E-08	7.10E-04	1.12E-07	3.90E-08	7.09E-04	1.12E-07	3.89E-08
1341	493677.33, 3860302.55	5.30E-03	8.34E-07	2.91E-07	5.40E-03	8.51E-07	2.97E-07	5.40E-03	8.50E-07	2.96E-07
1342	493727.33, 3860302.55	5.16E-03	8.13E-07	2.83E-07	5.26E-03	8.29E-07	2.89E-07	5.26E-03	8.28E-07	2.89E-07
1343	493777.33, 3860302.55	5.02E-03	7.91E-07	2.76E-07	5.13E-03	8.07E-07	2.81E-07	5.12E-03	8.06E-07	2.81E-07
1344	493827.33, 3860302.55	4.89E-03	7.71E-07	2.69E-07	4.99E-03	7.87E-07	2.74E-07	4.99E-03	7.86E-07	2.74E-07
1345	493877.33, 3860302.55	4.78E-03	7.53E-07	2.62E-07	4.88E-03	7.68E-07	2.68E-07	4.87E-03	7.67E-07	2.67E-07
1346	493927.33, 3860302.55	4.67E-03	7.36E-07	2.56E-07	4.77E-03	7.51E-07	2.62E-07	4.76E-03	7.50E-07	2.61E-07
1347	493977.33, 3860302.55	4.53E-03	7.14E-07	2.49E-07	4.63E-03	7.29E-07	2.54E-07	4.62E-03	7.28E-07	2.54E-07
1348	494027.33, 3860302.55	4.41E-03	6.96E-07	2.42E-07	4.51E-03	7.10E-07	2.47E-07	4.50E-03	7.09E-07	2.47E-07
1349	493677.33, 3860352.55	5.22E-03	8.22E-07	2.86E-07	5.33E-03	8.39E-07	2.92E-07	5.32E-03	8.38E-07	2.92E-07
1350	493727.33, 3860352.55	5.09E-03	8.02E-07	2.79E-07	5.19E-03	8.18E-07	2.85E-07	5.19E-03	8.17E-07	2.85E-07
1351	493777.33, 3860352.55	4.96E-03	7.82E-07	2.72E-07	5.07E-03	7.98E-07	2.78E-07	5.06E-03	7.97E-07	2.78E-07
1352	493827.33, 3860352.55	4.84E-03	7.63E-07	2.66E-07	4.94E-03	7.79E-07	2.71E-07	4.94E-03	7.78E-07	2.71E-07
1353	493877.33, 3860352.55	4.72E-03	7.44E-07	2.59E-07	4.82E-03	7.59E-07	2.64E-07	4.81E-03	7.58E-07	2.64E-07
1354	493927.33, 3860352.55	4.60E-03	7.25E-07	2.53E-07	4.70E-03	7.40E-07	2.58E-07	4.69E-03	7.39E-07	2.57E-07
1355	493977.33, 3860352.55	4.48E-03	7.06E-07	2.46E-07	4.57E-03	7.20E-07	2.51E-07	4.57E-03	7.19E-07	2.51E-07
1356	494027.33, 3860352.55	4.38E-03	6.90E-07	2.40E-07	4.47E-03	7.04E-07	2.45E-07	4.46E-03	7.03E-07	2.45E-07
1357	493677.33, 3860402.55	5.13E-03	8.08E-07	2.82E-07	5.24E-03	8.25E-07	2.87E-07	5.23E-03	8.24E-07	2.87E-07
1358	493727.33, 3860402.55	5.00E-03	7.88E-07	2.75E-07	5.10E-03	8.04E-07	2.80E-07	5.10E-03	8.03E-07	2.80E-07
1359	493777.33, 3860402.55	4.86E-03	7.66E-07	2.67E-07	4.96E-03	7.82E-07	2.72E-07	4.96E-03	7.81E-07	2.72E-07
1360	493827.33, 3860402.55	4.75E-03	7.49E-07	2.61E-07	4.85E-03	7.64E-07	2.66E-07	4.84E-03	7.63E-07	2.66E-07

1361	493877.33, 3860402.55	4.64E-03	7.31E-07	2.55E-07	4.73E-03	7.46E-07	2.60E-07	4.73E-03	7.45E-07	2.60E-07
1362	493927.33, 3860402.55	4.52E-03	7.12E-07	2.48E-07	4.61E-03	7.27E-07	2.53E-07	4.61E-03	7.26E-07	2.53E-07
1363	493977.33, 3860402.55	4.40E-03	6.94E-07	2.42E-07	4.49E-03	7.08E-07	2.47E-07	4.49E-03	7.07E-07	2.46E-07
1364	494027.33, 3860402.55	4.31E-03	6.79E-07	2.37E-07	4.40E-03	6.93E-07	2.41E-07	4.39E-03	6.92E-07	2.41E-07
1365	493677.33, 3860452.55	5.01E-03	7.89E-07	2.75E-07	5.11E-03	8.05E-07	2.80E-07	5.10E-03	8.04E-07	2.80E-07
1366	493727.33, 3860452.55	4.89E-03	7.71E-07	2.69E-07	4.99E-03	7.87E-07	2.74E-07	4.99E-03	7.86E-07	2.74E-07
1367	493777.33, 3860452.55	4.77E-03	7.52E-07	2.62E-07	4.87E-03	7.67E-07	2.67E-07	4.86E-03	7.66E-07	2.67E-07
1368	493827.33, 3860452.55	4.65E-03	7.33E-07	2.55E-07	4.75E-03	7.48E-07	2.61E-07	4.74E-03	7.47E-07	2.60E-07
1369	493877.33, 3860452.55	4.54E-03	7.15E-07	2.49E-07	4.63E-03	7.29E-07	2.54E-07	4.62E-03	7.28E-07	2.54E-07
1370	493927.33, 3860452.55	4.42E-03	6.96E-07	2.42E-07	4.51E-03	7.10E-07	2.47E-07	4.50E-03	7.09E-07	2.47E-07
1371	493977.33, 3860452.55	4.32E-03	6.80E-07	2.37E-07	4.41E-03	6.94E-07	2.42E-07	4.40E-03	6.93E-07	2.42E-07
1372	494027.33, 3860452.55	4.22E-03	6.65E-07	2.32E-07	4.31E-03	6.79E-07	2.36E-07	4.30E-03	6.78E-07	2.36E-07
1373	493677.33, 3860502.55	4.87E-03	7.67E-07	2.67E-07	4.97E-03	7.83E-07	2.73E-07	4.96E-03	7.82E-07	2.72E-07
1374	493727.33, 3860502.55	4.75E-03	7.49E-07	2.61E-07	4.85E-03	7.64E-07	2.66E-07	4.84E-03	7.63E-07	2.66E-07
1375	493777.33, 3860502.55	4.64E-03	7.31E-07	2.55E-07	4.73E-03	7.46E-07	2.60E-07	4.73E-03	7.45E-07	2.60E-07
1376	493827.33, 3860502.55	4.53E-03	7.14E-07	2.49E-07	4.62E-03	7.28E-07	2.54E-07	4.62E-03	7.27E-07	2.53E-07
1377	493877.33, 3860502.55	4.42E-03	6.97E-07	2.43E-07	4.51E-03	7.11E-07	2.48E-07	4.51E-03	7.10E-07	2.47E-07
1378	493927.33, 3860502.55	4.32E-03	6.80E-07	2.37E-07	4.40E-03	6.94E-07	2.42E-07	4.40E-03	6.93E-07	2.41E-07
1379	493977.33, 3860502.55	4.22E-03	6.65E-07	2.32E-07	4.31E-03	6.79E-07	2.36E-07	4.30E-03	6.78E-07	2.36E-07
1380	494027.33, 3860502.55	4.13E-03	6.50E-07	2.27E-07	4.21E-03	6.64E-07	2.31E-07	4.21E-03	6.63E-07	2.31E-07
1381	493627.33, 3860552.55	4.83E-03	7.61E-07	2.65E-07	4.93E-03	7.76E-07	2.70E-07	4.92E-03	7.75E-07	2.70E-07
1382	493677.33, 3860552.55	4.71E-03	7.42E-07	2.59E-07	4.81E-03	7.57E-07	2.64E-07	4.80E-03	7.56E-07	2.63E-07
1383	493727.33, 3860552.55	4.60E-03	7.24E-07	2.52E-07	4.69E-03	7.39E-07	2.58E-07	4.69E-03	7.38E-07	2.57E-07
1384	493777.33, 3860552.55	4.49E-03	7.08E-07	2.47E-07	4.58E-03	7.22E-07	2.52E-07	4.58E-03	7.21E-07	2.51E-07
1385	493827.33, 3860552.55	4.39E-03	6.92E-07	2.41E-07	4.48E-03	7.06E-07	2.46E-07	4.48E-03	7.05E-07	2.46E-07
1386	493877.33, 3860552.55	4.29E-03	6.76E-07	2.36E-07	4.38E-03	6.90E-07	2.40E-07	4.38E-03	6.89E-07	2.40E-07
1387	493927.33, 3860552.55	4.20E-03	6.62E-07	2.30E-07	4.28E-03	6.75E-07	2.35E-07	4.28E-03	6.74E-07	2.35E-07
1388	493977.33, 3860552.55	4.11E-03	6.47E-07	2.25E-07	4.19E-03	6.60E-07	2.30E-07	4.19E-03	6.59E-07	2.30E-07
1389	494027.33, 3860552.55	4.02E-03	6.33E-07	2.21E-07	4.10E-03	6.46E-07	2.25E-07	4.10E-03	6.46E-07	2.25E-07
1390	493627.33, 3860602.55	4.64E-03	7.32E-07	2.55E-07	4.74E-03	7.47E-07	2.60E-07	4.73E-03	7.46E-07	2.60E-07
1391	493727.33, 3860602.55	4.42E-03	6.96E-07	2.43E-07	4.51E-03	7.10E-07	2.47E-07	4.50E-03	7.10E-07	2.47E-07
1392	493777.33, 3860602.55	4.33E-03	6.82E-07	2.38E-07	4.42E-03	6.96E-07	2.42E-07	4.41E-03	6.95E-07	2.42E-07
1393	493827.33, 3860602.55	4.24E-03	6.67E-07	2.32E-07	4.32E-03	6.81E-07	2.37E-07	4.32E-03	6.80E-07	2.37E-07
1394	493877.33, 3860602.55	4.15E-03	6.54E-07	2.28E-07	4.24E-03	6.67E-07	2.32E-07	4.23E-03	6.66E-07	2.32E-07
1395	493927.33, 3860602.55	4.06E-03	6.40E-07	2.23E-07	4.15E-03	6.53E-07	2.28E-07	4.14E-03	6.53E-07	2.27E-07
1396	493977.33, 3860602.55	3.98E-03	6.27E-07	2.18E-07	4.06E-03	6.40E-07	2.23E-07	4.06E-03	6.39E-07	2.23E-07
1397	494027.33, 3860602.55	3.90E-03	6.15E-07	2.14E-07	3.98E-03	6.27E-07	2.18E-07	3.98E-03	6.26E-07	2.18E-07
1398	493627.33, 3860652.55	4.45E-03	7.01E-07	2.44E-07	4.54E-03	7.15E-07	2.49E-07	4.53E-03	7.14E-07	2.49E-07
1399	493727.33, 3860652.55	4.24E-03	6.68E-07	2.33E-07	4.32E-03	6.81E-07	2.37E-07	4.32E-03	6.81E-07	2.37E-07
1400	493777.33, 3860652.55	4.15E-03	6.54E-07	2.28E-07	4.24E-03	6.67E-07	2.33E-07	4.23E-03	6.67E-07	2.32E-07
1401	493827.33, 3860652.55	4.07E-03	6.42E-07	2.24E-07	4.16E-03	6.55E-07	2.28E-07	4.15E-03	6.54E-07	2.28E-07
1402	493877.33, 3860652.55	3.99E-03	6.29E-07	2.19E-07	4.08E-03	6.42E-07	2.24E-07	4.07E-03	6.41E-07	2.23E-07
1403	493927.33, 3860652.55	3.92E-03	6.17E-07	2.15E-07	4.00E-03	6.30E-07	2.19E-07	3.99E-03	6.29E-07	2.19E-07
1404	493977.33, 3860652.55	3.84E-03	6.05E-07	2.11E-07	3.92E-03	6.17E-07	2.15E-07	3.91E-03	6.17E-07	2.15E-07
1405	494027.33, 3860652.55	3.77E-03	5.94E-07	2.07E-07	3.85E-03	6.06E-07	2.11E-07	3.84E-03	6.06E-07	2.11E-07
1406	494311.06, 3858401.99	9.74E-04	1.53E-07	5.34E-08	9.94E-04	1.57E-07	5.45E-08	9.93E-04	1.56E-07	5.45E-08
1407	494361.06, 3858401.99	9.63E-04	1.52E-07	5.28E-08	9.82E-04	1.55E-07	5.39E-08	9.81E-04	1.55E-07	5.38E-08
1408	494411.06, 3858401.99	9.56E-04	1.51E-07	5.24E-08	9.75E-04	1.54E-07	5.35E-08	9.74E-04	1.53E-07	5.35E-08
1409	494461.06, 3858401.99	9.54E-04	1.50E-07	5.23E-08	9.73E-04	1.53E-07	5.34E-08	9.72E-04	1.53E-07	5.33E-08
1410	494511.06, 3858401.99	9.46E-04	1.49E-07	5.19E-08	9.65E-04	1.52E-07	5.30E-08	9.64E-04	1.52E-07	5.29E-08
1411	494561.06, 3858401.99	9.43E-04	1.49E-07	5.18E-08	9.62E-04	1.52E-07	5.28E-08	9.61E-04	1.51E-07	5.28E-08
1412	494611.06, 3858401.99	9.35E-04	1.47E-07	5.13E-08	9.54E-04	1.50E-07	5.23E-08	9.53E-04	1.50E-07	5.23E-08
1413	494661.06, 3858401.99	9.28E-04	1.46E-07	5.09E-08	9.47E-04	1.49E-07	5.20E-08	9.46E-04	1.49E-07	5.19E-08
1414	494711.06, 3858401.99	9.16E-04	1.44E-07	5.03E-08	9.35E-04	1.47E-07	5.13E-08	9.34E-04	1.47E-07	5.13E-08
1415	494761.06, 3858401.99	9.11E-04	1.44E-07	5.00E-08	9.30E-04	1.47E-07	5.10E-08	9.29E-04	1.46E-07	5.10E-08
1416	494811.06, 3858401.99	9.03E-04	1.42E-07	4.95E-08	9.21E-04	1.45E-07	5.05E-08	9.20E-04	1.45E-07	5.05E-08
1417	494861.06, 3858401.99	8.95E-04	1.41E-07	4.91E-08	9.13E-04	1.44E-07	5.01E-08	9.12E-04	1.44E-07	5.01E-08
1418	494911.06, 3858401.99	8.87E-04	1.40E-07	4.87E-08	9.05E-04	1.43E-07	4.97E-08	9.04E-04	1.42E-07	4.96E-08
1419	494961.06, 3858401.99	8.79E-04	1.38E-07	4.82E-08	8.97E-04	1.41E-07	4.92E-08	8.96E-04	1.41E-07	4.92E-08
1420	495011.06, 3858401.99	8.67E-04	1.37E-07	4.76E-08	8.85E-04	1.39E-07	4.86E-08	8.84E-04	1.39E-07	4.85E-08
1421	495061.06, 3858401.99	8.59E-04	1.35E-07	4.71E-08	8.76E-04	1.38E-07	4.81E-08	8.75E-04	1.38E-07	4.80E-08
1422	495111.06, 3858401.99	8.42E-04	1.33E-07	4.62E-08	8.59E-04	1.35E-07	4.71E-08	8.58E-04	1.35E-07	4.71E-08

1423	495161.06, 3858401.99	8.39E-04	1.32E-07	4.61E-08	8.56E-04	1.35E-07	4.70E-08	8.55E-04	1.35E-07	4.69E-08
1424	495211.06, 3858401.99	8.24E-04	1.30E-07	4.52E-08	8.41E-04	1.32E-07	4.61E-08	8.40E-04	1.32E-07	4.61E-08
1425	495261.06, 3858401.99	8.16E-04	1.29E-07	4.48E-08	8.33E-04	1.31E-07	4.57E-08	8.32E-04	1.31E-07	4.56E-08
1426	495311.06, 3858401.99	8.07E-04	1.27E-07	4.43E-08	8.24E-04	1.30E-07	4.52E-08	8.23E-04	1.30E-07	4.52E-08
1427	495361.06, 3858401.99	8.01E-04	1.26E-07	4.40E-08	8.18E-04	1.29E-07	4.49E-08	8.17E-04	1.29E-07	4.48E-08
1428	495411.06, 3858401.99	7.98E-04	1.26E-07	4.38E-08	8.15E-04	1.28E-07	4.47E-08	8.14E-04	1.28E-07	4.47E-08
1429	495461.06, 3858401.99	7.96E-04	1.25E-07	4.37E-08	8.12E-04	1.28E-07	4.46E-08	8.11E-04	1.28E-07	4.45E-08
1430	495511.06, 3858401.99	7.93E-04	1.25E-07	4.35E-08	8.09E-04	1.27E-07	4.44E-08	8.08E-04	1.27E-07	4.43E-08
1431	495561.06, 3858401.99	7.83E-04	1.23E-07	4.30E-08	7.99E-04	1.26E-07	4.38E-08	7.98E-04	1.26E-07	4.38E-08
1432	495611.06, 3858401.99	7.79E-04	1.23E-07	4.28E-08	7.95E-04	1.25E-07	4.36E-08	7.94E-04	1.25E-07	4.36E-08
1433	495661.06, 3858401.99	7.85E-04	1.24E-07	4.31E-08	8.01E-04	1.26E-07	4.40E-08	8.00E-04	1.26E-07	4.39E-08
1434	494311.06, 3858451.99	1.03E-03	1.62E-07	5.64E-08	1.05E-03	1.65E-07	5.75E-08	1.05E-03	1.65E-07	5.75E-08
1435	494361.06, 3858451.99	1.02E-03	1.60E-07	5.59E-08	1.04E-03	1.64E-07	5.70E-08	1.04E-03	1.63E-07	5.69E-08
1436	494411.06, 3858451.99	1.01E-03	1.59E-07	5.55E-08	1.03E-03	1.62E-07	5.66E-08	1.03E-03	1.62E-07	5.65E-08
1437	494461.06, 3858451.99	1.00E-03	1.58E-07	5.51E-08	1.02E-03	1.61E-07	5.62E-08	1.02E-03	1.61E-07	5.62E-08
1438	494511.06, 3858451.99	1.00E-03	1.58E-07	5.49E-08	1.02E-03	1.61E-07	5.60E-08	1.02E-03	1.61E-07	5.60E-08
1439	494561.06, 3858451.99	9.92E-04	1.56E-07	5.44E-08	1.01E-03	1.59E-07	5.55E-08	1.01E-03	1.59E-07	5.55E-08
1440	494611.06, 3858451.99	9.85E-04	1.55E-07	5.40E-08	1.00E-03	1.58E-07	5.52E-08	1.00E-03	1.58E-07	5.51E-08
1441	494661.06, 3858451.99	9.78E-04	1.54E-07	5.37E-08	9.98E-04	1.57E-07	5.48E-08	9.96E-04	1.57E-07	5.47E-08
1442	494711.06, 3858451.99	9.67E-04	1.52E-07	5.31E-08	9.87E-04	1.56E-07	5.42E-08	9.86E-04	1.55E-07	5.41E-08
1443	494761.06, 3858451.99	9.57E-04	1.51E-07	5.25E-08	9.76E-04	1.54E-07	5.36E-08	9.75E-04	1.54E-07	5.35E-08
1444	494811.06, 3858451.99	9.49E-04	1.49E-07	5.21E-08	9.68E-04	1.52E-07	5.31E-08	9.67E-04	1.52E-07	5.31E-08
1445	494861.06, 3858451.99	9.39E-04	1.48E-07	5.15E-08	9.58E-04	1.51E-07	5.26E-08	9.57E-04	1.51E-07	5.25E-08
1446	494911.06, 3858451.99	9.25E-04	1.46E-07	5.08E-08	9.44E-04	1.49E-07	5.18E-08	9.43E-04	1.49E-07	5.17E-08
1447	494961.06, 3858451.99	9.16E-04	1.44E-07	5.03E-08	9.35E-04	1.47E-07	5.13E-08	9.34E-04	1.47E-07	5.12E-08
1448	495011.06, 3858451.99	9.03E-04	1.42E-07	4.96E-08	9.22E-04	1.45E-07	5.06E-08	9.21E-04	1.45E-07	5.05E-08
1449	495061.06, 3858451.99	8.98E-04	1.41E-07	4.93E-08	9.16E-04	1.44E-07	5.03E-08	9.15E-04	1.44E-07	5.02E-08
1450	495111.06, 3858451.99	8.85E-04	1.39E-07	4.86E-08	9.04E-04	1.42E-07	4.96E-08	9.02E-04	1.42E-07	4.95E-08
1451	495161.06, 3858451.99	8.71E-04	1.37E-07	4.78E-08	8.89E-04	1.40E-07	4.88E-08	8.88E-04	1.40E-07	4.87E-08
1452	495211.06, 3858451.99	8.59E-04	1.35E-07	4.71E-08	8.76E-04	1.38E-07	4.81E-08	8.75E-04	1.38E-07	4.80E-08
1453	495261.06, 3858451.99	8.50E-04	1.34E-07	4.67E-08	8.67E-04	1.37E-07	4.76E-08	8.66E-04	1.36E-07	4.76E-08
1454	495311.06, 3858451.99	8.43E-04	1.33E-07	4.63E-08	8.61E-04	1.36E-07	4.72E-08	8.60E-04	1.35E-07	4.72E-08
1455	495361.06, 3858451.99	8.37E-04	1.32E-07	4.60E-08	8.55E-04	1.35E-07	4.69E-08	8.54E-04	1.34E-07	4.68E-08
1456	495411.06, 3858451.99	8.34E-04	1.31E-07	4.58E-08	8.52E-04	1.34E-07	4.67E-08	8.51E-04	1.34E-07	4.67E-08
1457	495461.06, 3858451.99	8.32E-04	1.31E-07	4.57E-08	8.49E-04	1.34E-07	4.66E-08	8.48E-04	1.34E-07	4.66E-08
1458	495511.06, 3858451.99	8.25E-04	1.30E-07	4.53E-08	8.42E-04	1.33E-07	4.62E-08	8.41E-04	1.32E-07	4.62E-08
1459	495561.06, 3858451.99	8.26E-04	1.30E-07	4.53E-08	8.43E-04	1.33E-07	4.62E-08	8.42E-04	1.33E-07	4.62E-08
1460	495611.06, 3858451.99	8.17E-04	1.29E-07	4.48E-08	8.33E-04	1.31E-07	4.57E-08	8.33E-04	1.31E-07	4.57E-08
1461	495661.06, 3858451.99	8.15E-04	1.28E-07	4.47E-08	8.32E-04	1.31E-07	4.57E-08	8.31E-04	1.31E-07	4.56E-08
1462	494311.06, 3858501.99	1.07E-03	1.68E-07	5.87E-08	1.09E-03	1.72E-07	5.99E-08	1.09E-03	1.72E-07	5.98E-08
1463	494361.06, 3858501.99	1.06E-03	1.67E-07	5.83E-08	1.08E-03	1.71E-07	5.95E-08	1.08E-03	1.71E-07	5.95E-08
1464	494411.06, 3858501.99	1.06E-03	1.66E-07	5.79E-08	1.08E-03	1.70E-07	5.91E-08	1.08E-03	1.69E-07	5.90E-08
1465	494461.06, 3858501.99	1.05E-03	1.66E-07	5.77E-08	1.07E-03	1.69E-07	5.89E-08	1.07E-03	1.69E-07	5.88E-08
1466	494511.06, 3858501.99	1.04E-03	1.64E-07	5.71E-08	1.06E-03	1.67E-07	5.83E-08	1.06E-03	1.67E-07	5.82E-08
1467	494561.06, 3858501.99	1.04E-03	1.64E-07	5.73E-08	1.06E-03	1.68E-07	5.84E-08	1.06E-03	1.68E-07	5.84E-08
1468	494611.06, 3858501.99	1.03E-03	1.63E-07	5.68E-08	1.06E-03	1.66E-07	5.79E-08	1.05E-03	1.66E-07	5.79E-08
1469	494661.06, 3858501.99	1.03E-03	1.62E-07	5.65E-08	1.05E-03	1.65E-07	5.76E-08	1.05E-03	1.65E-07	5.75E-08
1470	494711.06, 3858501.99	1.02E-03	1.60E-07	5.58E-08	1.04E-03	1.64E-07	5.70E-08	1.04E-03	1.63E-07	5.69E-08
1471	494761.06, 3858501.99	1.00E-03	1.58E-07	5.51E-08	1.03E-03	1.61E-07	5.63E-08	1.02E-03	1.61E-07	5.62E-08
1472	494811.06, 3858501.99	9.92E-04	1.56E-07	5.45E-08	1.01E-03	1.60E-07	5.56E-08	1.01E-03	1.59E-07	5.55E-08
1473	494861.06, 3858501.99	9.84E-04	1.55E-07	5.40E-08	1.00E-03	1.58E-07	5.51E-08	1.00E-03	1.58E-07	5.51E-08
1474	494911.06, 3858501.99	9.67E-04	1.52E-07	5.31E-08	9.87E-04	1.55E-07	5.42E-08	9.86E-04	1.55E-07	5.41E-08
1475	494961.06, 3858501.99	9.59E-04	1.51E-07	5.26E-08	9.78E-04	1.54E-07	5.37E-08	9.77E-04	1.54E-07	5.36E-08
1476	495011.06, 3858501.99	9.44E-04	1.49E-07	5.18E-08	9.63E-04	1.52E-07	5.28E-08	9.62E-04	1.51E-07	5.28E-08
1477	495061.06, 3858501.99	9.38E-04	1.48E-07	5.15E-08	9.57E-04	1.51E-07	5.25E-08	9.56E-04	1.51E-07	5.24E-08
1478	495111.06, 3858501.99	9.18E-04	1.45E-07	5.04E-08	9.37E-04	1.48E-07	5.14E-08	9.36E-04	1.47E-07	5.14E-08
1479	495161.06, 3858501.99	9.06E-04	1.43E-07	4.97E-08	9.25E-04	1.46E-07	5.08E-08	9.24E-04	1.46E-07	5.07E-08
1480	495211.06, 3858501.99	8.95E-04	1.41E-07	4.91E-08	9.13E-04	1.44E-07	5.01E-08	9.12E-04	1.44E-07	5.00E-08
1481	495261.06, 3858501.99	8.86E-04	1.40E-07	4.86E-08	9.04E-04	1.42E-07	4.96E-08	9.03E-04	1.42E-07	4.96E-08
1482	495311.06, 3858501.99	8.81E-04	1.39E-07	4.83E-08	8.99E-04	1.42E-07	4.93E-08	8.98E-04	1.41E-07	4.93E-08
1483	495361.06, 3858501.99	8.76E-04	1.38E-07	4.81E-08	8.94E-04	1.41E-07	4.91E-08	8.93E-04	1.41E-07	4.90E-08
1484	495411.06, 3858501.99	8.72E-04	1.37E-07	4.79E-08	8.90E-04	1.40E-07	4.89E-08	8.89E-04	1.40E-07	4.88E-08

1485	495461.06, 3858501.99	8.69E-04	1.37E-07	4.77E-08	8.87E-04	1.40E-07	4.87E-08	8.86E-04	1.40E-07	4.86E-08
1486	495511.06, 3858501.99	8.64E-04	1.36E-07	4.74E-08	8.82E-04	1.39E-07	4.84E-08	8.81E-04	1.39E-07	4.83E-08
1487	495561.06, 3858501.99	8.64E-04	1.36E-07	4.74E-08	8.82E-04	1.39E-07	4.84E-08	8.81E-04	1.39E-07	4.83E-08
1488	495611.06, 3858501.99	8.52E-04	1.34E-07	4.68E-08	8.70E-04	1.37E-07	4.77E-08	8.69E-04	1.37E-07	4.77E-08
1489	495661.06, 3858501.99	8.54E-04	1.35E-07	4.69E-08	8.72E-04	1.37E-07	4.78E-08	8.71E-04	1.37E-07	4.78E-08
1490	494311.06, 3858551.99	1.09E-03	1.72E-07	5.98E-08	1.11E-03	1.75E-07	6.10E-08	1.11E-03	1.75E-07	6.09E-08
1491	494361.06, 3858551.99	1.10E-03	1.73E-07	6.02E-08	1.12E-03	1.76E-07	6.14E-08	1.12E-03	1.76E-07	6.13E-08
1492	494411.06, 3858551.99	1.11E-03	1.75E-07	6.08E-08	1.13E-03	1.78E-07	6.21E-08	1.13E-03	1.78E-07	6.20E-08
1493	494461.06, 3858551.99	1.11E-03	1.74E-07	6.08E-08	1.13E-03	1.78E-07	6.20E-08	1.13E-03	1.78E-07	6.19E-08
1494	494511.06, 3858551.99	1.10E-03	1.74E-07	6.05E-08	1.12E-03	1.77E-07	6.17E-08	1.12E-03	1.77E-07	6.16E-08
1495	494561.06, 3858551.99	1.10E-03	1.73E-07	6.02E-08	1.12E-03	1.76E-07	6.14E-08	1.12E-03	1.76E-07	6.14E-08
1496	494611.06, 3858551.99	1.09E-03	1.72E-07	5.98E-08	1.11E-03	1.75E-07	6.10E-08	1.11E-03	1.75E-07	6.09E-08
1497	494661.06, 3858551.99	1.08E-03	1.71E-07	5.94E-08	1.10E-03	1.74E-07	6.06E-08	1.10E-03	1.74E-07	6.06E-08
1498	494711.06, 3858551.99	1.07E-03	1.68E-07	5.87E-08	1.09E-03	1.72E-07	5.99E-08	1.09E-03	1.72E-07	5.98E-08
1499	494761.06, 3858551.99	1.06E-03	1.66E-07	5.79E-08	1.08E-03	1.70E-07	5.91E-08	1.08E-03	1.69E-07	5.90E-08
1500	494811.06, 3858551.99	1.05E-03	1.65E-07	5.74E-08	1.07E-03	1.68E-07	5.85E-08	1.07E-03	1.68E-07	5.85E-08
1501	494861.06, 3858551.99	1.03E-03	1.62E-07	5.66E-08	1.05E-03	1.66E-07	5.78E-08	1.05E-03	1.66E-07	5.77E-08
1502	494911.06, 3858551.99	1.02E-03	1.60E-07	5.57E-08	1.04E-03	1.63E-07	5.69E-08	1.03E-03	1.63E-07	5.68E-08
1503	494961.06, 3858551.99	1.00E-03	1.58E-07	5.50E-08	1.02E-03	1.61E-07	5.62E-08	1.02E-03	1.61E-07	5.61E-08
1504	495011.06, 3858551.99	9.87E-04	1.55E-07	5.41E-08	1.01E-03	1.59E-07	5.52E-08	1.01E-03	1.58E-07	5.52E-08
1505	495061.06, 3858551.99	9.77E-04	1.54E-07	5.36E-08	9.96E-04	1.57E-07	5.47E-08	9.95E-04	1.57E-07	5.46E-08
1506	495111.06, 3858551.99	9.57E-04	1.51E-07	5.25E-08	9.76E-04	1.54E-07	5.36E-08	9.75E-04	1.54E-07	5.35E-08
1507	495161.06, 3858551.99	9.44E-04	1.49E-07	5.18E-08	9.63E-04	1.52E-07	5.29E-08	9.62E-04	1.52E-07	5.28E-08
1508	495211.06, 3858551.99	9.33E-04	1.47E-07	5.12E-08	9.52E-04	1.50E-07	5.22E-08	9.51E-04	1.50E-07	5.22E-08
1509	495261.06, 3858551.99	9.24E-04	1.46E-07	5.07E-08	9.43E-04	1.49E-07	5.18E-08	9.42E-04	1.48E-07	5.17E-08
1510	495311.06, 3858551.99	9.20E-04	1.45E-07	5.05E-08	9.39E-04	1.48E-07	5.15E-08	9.38E-04	1.48E-07	5.15E-08
1511	495361.06, 3858551.99	9.15E-04	1.44E-07	5.02E-08	9.34E-04	1.47E-07	5.12E-08	9.33E-04	1.47E-07	5.12E-08
1512	495411.06, 3858551.99	9.12E-04	1.44E-07	5.01E-08	9.31E-04	1.47E-07	5.11E-08	9.30E-04	1.46E-07	5.10E-08
1513	495461.06, 3858551.99	9.08E-04	1.43E-07	4.98E-08	9.26E-04	1.46E-07	5.08E-08	9.25E-04	1.46E-07	5.08E-08
1514	495511.06, 3858551.99	9.05E-04	1.43E-07	4.97E-08	9.24E-04	1.46E-07	5.07E-08	9.23E-04	1.45E-07	5.06E-08
1515	495561.06, 3858551.99	9.00E-04	1.42E-07	4.94E-08	9.19E-04	1.45E-07	5.04E-08	9.18E-04	1.45E-07	5.04E-08
1516	495611.06, 3858551.99	8.95E-04	1.41E-07	4.91E-08	9.13E-04	1.44E-07	5.01E-08	9.12E-04	1.44E-07	5.01E-08
1517	495661.06, 3858551.99	8.88E-04	1.40E-07	4.88E-08	9.07E-04	1.43E-07	4.98E-08	9.05E-04	1.43E-07	4.97E-08
1518	494311.06, 3858601.99	1.09E-03	1.72E-07	5.99E-08	1.11E-03	1.76E-07	6.12E-08	1.11E-03	1.75E-07	6.11E-08
1519	494361.06, 3858601.99	1.13E-03	1.78E-07	6.21E-08	1.15E-03	1.82E-07	6.33E-08	1.15E-03	1.82E-07	6.32E-08
1520	494411.06, 3858601.99	1.17E-03	1.84E-07	6.42E-08	1.19E-03	1.88E-07	6.55E-08	1.19E-03	1.88E-07	6.54E-08
1521	494461.06, 3858601.99	1.17E-03	1.84E-07	6.41E-08	1.19E-03	1.88E-07	6.54E-08	1.19E-03	1.87E-07	6.53E-08
1522	494511.06, 3858601.99	1.15E-03	1.82E-07	6.33E-08	1.18E-03	1.85E-07	6.46E-08	1.18E-03	1.85E-07	6.45E-08
1523	494561.06, 3858601.99	1.16E-03	1.82E-07	6.35E-08	1.18E-03	1.86E-07	6.48E-08	1.18E-03	1.86E-07	6.47E-08
1524	494611.06, 3858601.99	1.15E-03	1.81E-07	6.29E-08	1.17E-03	1.84E-07	6.42E-08	1.17E-03	1.84E-07	6.41E-08
1525	494661.06, 3858601.99	1.14E-03	1.79E-07	6.24E-08	1.16E-03	1.83E-07	6.37E-08	1.16E-03	1.83E-07	6.36E-08
1526	494711.06, 3858601.99	1.12E-03	1.77E-07	6.17E-08	1.15E-03	1.81E-07	6.29E-08	1.15E-03	1.80E-07	6.29E-08
1527	494761.06, 3858601.99	1.11E-03	1.75E-07	6.09E-08	1.13E-03	1.78E-07	6.22E-08	1.13E-03	1.78E-07	6.21E-08
1528	494811.06, 3858601.99	1.09E-03	1.72E-07	5.98E-08	1.11E-03	1.75E-07	6.10E-08	1.11E-03	1.75E-07	6.10E-08
1529	494861.06, 3858601.99	1.08E-03	1.70E-07	5.92E-08	1.10E-03	1.73E-07	6.04E-08	1.10E-03	1.73E-07	6.03E-08
1530	494911.06, 3858601.99	1.06E-03	1.67E-07	5.82E-08	1.08E-03	1.70E-07	5.93E-08	1.08E-03	1.70E-07	5.93E-08
1531	494961.06, 3858601.99	1.05E-03	1.65E-07	5.74E-08	1.07E-03	1.68E-07	5.86E-08	1.07E-03	1.68E-07	5.85E-08
1532	495011.06, 3858601.99	1.03E-03	1.63E-07	5.66E-08	1.05E-03	1.66E-07	5.78E-08	1.05E-03	1.66E-07	5.77E-08
1533	495061.06, 3858601.99	1.02E-03	1.60E-07	5.58E-08	1.04E-03	1.63E-07	5.69E-08	1.04E-03	1.63E-07	5.69E-08
1534	495111.06, 3858601.99	9.95E-04	1.57E-07	5.46E-08	1.02E-03	1.60E-07	5.57E-08	1.01E-03	1.60E-07	5.56E-08
1535	495161.06, 3858601.99	9.83E-04	1.55E-07	5.39E-08	1.00E-03	1.58E-07	5.50E-08	1.00E-03	1.58E-07	5.50E-08
1536	495211.06, 3858601.99	9.75E-04	1.54E-07	5.35E-08	9.95E-04	1.57E-07	5.46E-08	9.93E-04	1.57E-07	5.45E-08
1537	495261.06, 3858601.99	9.66E-04	1.52E-07	5.30E-08	9.85E-04	1.55E-07	5.41E-08	9.84E-04	1.55E-07	5.40E-08
1538	495311.06, 3858601.99	9.59E-04	1.51E-07	5.26E-08	9.78E-04	1.54E-07	5.37E-08	9.77E-04	1.54E-07	5.36E-08
1539	495361.06, 3858601.99	9.54E-04	1.50E-07	5.24E-08	9.74E-04	1.53E-07	5.35E-08	9.73E-04	1.53E-07	5.34E-08
1540	495411.06, 3858601.99	9.50E-04	1.50E-07	5.22E-08	9.70E-04	1.53E-07	5.32E-08	9.69E-04	1.53E-07	5.32E-08
1541	495461.06, 3858601.99	9.47E-04	1.49E-07	5.20E-08	9.66E-04	1.52E-07	5.30E-08	9.65E-04	1.52E-07	5.30E-08
1542	495511.06, 3858601.99	9.39E-04	1.48E-07	5.15E-08	9.58E-04	1.51E-07	5.26E-08	9.57E-04	1.51E-07	5.25E-08
1543	495561.06, 3858601.99	9.37E-04	1.48E-07	5.14E-08	9.56E-04	1.51E-07	5.25E-08	9.55E-04	1.50E-07	5.24E-08
1544	495611.06, 3858601.99	9.28E-04	1.46E-07	5.09E-08	9.47E-04	1.49E-07	5.20E-08	9.46E-04	1.49E-07	5.19E-08
1545	495661.06, 3858601.99	9.25E-04	1.46E-07	5.08E-08	9.44E-04	1.49E-07	5.18E-08	9.43E-04	1.49E-07	5.17E-08
1546	494311.06, 3858651.99	1.13E-03	1.77E-07	6.18E-08	1.15E-03	1.81E-07	6.30E-08	1.15E-03	1.81E-07	6.30E-08

1547	494361.06, 3858651.99	1.16E-03	1.83E-07	6.38E-08	1.19E-03	1.87E-07	6.52E-08	1.19E-03	1.87E-07	6.51E-08
1548	494411.06, 3858651.99	1.21E-03	1.91E-07	6.66E-08	1.24E-03	1.95E-07	6.80E-08	1.24E-03	1.95E-07	6.79E-08
1549	494461.06, 3858651.99	1.23E-03	1.93E-07	6.73E-08	1.25E-03	1.97E-07	6.87E-08	1.25E-03	1.97E-07	6.86E-08
1550	494511.06, 3858651.99	1.22E-03	1.92E-07	6.69E-08	1.24E-03	1.96E-07	6.83E-08	1.24E-03	1.96E-07	6.82E-08
1551	494561.06, 3858651.99	1.21E-03	1.91E-07	6.66E-08	1.24E-03	1.95E-07	6.80E-08	1.24E-03	1.95E-07	6.79E-08
1552	494611.06, 3858651.99	1.21E-03	1.90E-07	6.62E-08	1.23E-03	1.94E-07	6.76E-08	1.23E-03	1.94E-07	6.75E-08
1553	494661.06, 3858651.99	1.19E-03	1.88E-07	6.56E-08	1.22E-03	1.92E-07	6.69E-08	1.22E-03	1.92E-07	6.68E-08
1554	494711.06, 3858651.99	1.18E-03	1.86E-07	6.47E-08	1.20E-03	1.89E-07	6.60E-08	1.20E-03	1.89E-07	6.59E-08
1555	494761.06, 3858651.99	1.17E-03	1.84E-07	6.39E-08	1.19E-03	1.87E-07	6.52E-08	1.19E-03	1.87E-07	6.52E-08
1556	494811.06, 3858651.99	1.15E-03	1.80E-07	6.29E-08	1.17E-03	1.84E-07	6.42E-08	1.17E-03	1.84E-07	6.41E-08
1557	494861.06, 3858651.99	1.13E-03	1.78E-07	6.19E-08	1.15E-03	1.81E-07	6.32E-08	1.15E-03	1.81E-07	6.31E-08
1558	494911.06, 3858651.99	1.11E-03	1.75E-07	6.08E-08	1.13E-03	1.78E-07	6.20E-08	1.13E-03	1.78E-07	6.20E-08
1559	494961.06, 3858651.99	1.09E-03	1.72E-07	5.98E-08	1.11E-03	1.75E-07	6.10E-08	1.11E-03	1.75E-07	6.10E-08
1560	495011.06, 3858651.99	1.08E-03	1.69E-07	5.90E-08	1.10E-03	1.73E-07	6.02E-08	1.10E-03	1.73E-07	6.02E-08
1561	495061.06, 3858651.99	1.06E-03	1.67E-07	5.82E-08	1.08E-03	1.70E-07	5.93E-08	1.08E-03	1.70E-07	5.93E-08
1562	495111.06, 3858651.99	1.04E-03	1.64E-07	5.71E-08	1.06E-03	1.67E-07	5.83E-08	1.06E-03	1.67E-07	5.82E-08
1563	495161.06, 3858651.99	1.03E-03	1.62E-07	5.65E-08	1.05E-03	1.65E-07	5.76E-08	1.05E-03	1.65E-07	5.76E-08
1564	495211.06, 3858651.99	1.01E-03	1.60E-07	5.57E-08	1.04E-03	1.63E-07	5.68E-08	1.03E-03	1.63E-07	5.67E-08
1565	495261.06, 3858651.99	1.01E-03	1.59E-07	5.54E-08	1.03E-03	1.62E-07	5.66E-08	1.03E-03	1.62E-07	5.65E-08
1566	495311.06, 3858651.99	1.00E-03	1.58E-07	5.50E-08	1.02E-03	1.61E-07	5.61E-08	1.02E-03	1.61E-07	5.61E-08
1567	495361.06, 3858651.99	9.97E-04	1.57E-07	5.47E-08	1.02E-03	1.60E-07	5.58E-08	1.02E-03	1.60E-07	5.58E-08
1568	495411.06, 3858651.99	9.93E-04	1.56E-07	5.45E-08	1.01E-03	1.60E-07	5.56E-08	1.01E-03	1.59E-07	5.56E-08
1569	495461.06, 3858651.99	9.92E-04	1.56E-07	5.44E-08	1.01E-03	1.59E-07	5.55E-08	1.01E-03	1.59E-07	5.55E-08
1570	495511.06, 3858651.99	9.82E-04	1.55E-07	5.39E-08	1.00E-03	1.58E-07	5.50E-08	1.00E-03	1.58E-07	5.50E-08
1571	495561.06, 3858651.99	9.75E-04	1.54E-07	5.35E-08	9.95E-04	1.57E-07	5.46E-08	9.94E-04	1.57E-07	5.46E-08
1572	495611.06, 3858651.99	9.65E-04	1.52E-07	5.29E-08	9.84E-04	1.55E-07	5.40E-08	9.83E-04	1.55E-07	5.40E-08
1573	495661.06, 3858651.99	9.61E-04	1.51E-07	5.27E-08	9.81E-04	1.54E-07	5.38E-08	9.79E-04	1.54E-07	5.37E-08
1574	494311.06, 3858701.99	1.18E-03	1.86E-07	6.48E-08	1.21E-03	1.90E-07	6.62E-08	1.20E-03	1.90E-07	6.61E-08
1575	494361.06, 3858701.99	1.24E-03	1.95E-07	6.79E-08	1.26E-03	1.99E-07	6.93E-08	1.26E-03	1.99E-07	6.92E-08
1576	494411.06, 3858701.99	1.27E-03	2.01E-07	7.00E-08	1.30E-03	2.05E-07	7.14E-08	1.30E-03	2.05E-07	7.13E-08
1577	494461.06, 3858701.99	1.27E-03	2.01E-07	6.99E-08	1.30E-03	2.05E-07	7.14E-08	1.30E-03	2.05E-07	7.13E-08
1578	494511.06, 3858701.99	1.28E-03	2.02E-07	7.03E-08	1.31E-03	2.06E-07	7.17E-08	1.31E-03	2.06E-07	7.16E-08
1579	494561.06, 3858701.99	1.27E-03	2.01E-07	6.99E-08	1.30E-03	2.05E-07	7.13E-08	1.30E-03	2.04E-07	7.12E-08
1580	494611.06, 3858701.99	1.25E-03	1.97E-07	6.87E-08	1.28E-03	2.01E-07	7.01E-08	1.28E-03	2.01E-07	7.00E-08
1581	494661.06, 3858701.99	1.25E-03	1.97E-07	6.86E-08	1.28E-03	2.01E-07	7.00E-08	1.27E-03	2.01E-07	6.99E-08
1582	494711.06, 3858701.99	1.20E-03	1.90E-07	6.61E-08	1.23E-03	1.94E-07	6.75E-08	1.23E-03	1.93E-07	6.74E-08
1583	494761.06, 3858701.99	1.21E-03	1.91E-07	6.66E-08	1.24E-03	1.95E-07	6.79E-08	1.24E-03	1.95E-07	6.78E-08
1584	494811.06, 3858701.99	1.19E-03	1.88E-07	6.54E-08	1.22E-03	1.92E-07	6.68E-08	1.22E-03	1.91E-07	6.67E-08
1585	494861.06, 3858701.99	1.18E-03	1.85E-07	6.45E-08	1.20E-03	1.89E-07	6.58E-08	1.20E-03	1.89E-07	6.57E-08
1586	494911.06, 3858701.99	1.16E-03	1.83E-07	6.37E-08	1.18E-03	1.87E-07	6.50E-08	1.18E-03	1.86E-07	6.49E-08
1587	494961.06, 3858701.99	1.13E-03	1.78E-07	6.21E-08	1.16E-03	1.82E-07	6.34E-08	1.15E-03	1.82E-07	6.33E-08
1588	495011.06, 3858701.99	1.11E-03	1.76E-07	6.11E-08	1.14E-03	1.79E-07	6.24E-08	1.14E-03	1.79E-07	6.23E-08
1589	495061.06, 3858701.99	1.11E-03	1.74E-07	6.07E-08	1.13E-03	1.78E-07	6.19E-08	1.13E-03	1.77E-07	6.18E-08
1590	495111.06, 3858701.99	1.08E-03	1.71E-07	5.95E-08	1.11E-03	1.74E-07	6.07E-08	1.11E-03	1.74E-07	6.07E-08
1591	495161.06, 3858701.99	1.07E-03	1.69E-07	5.89E-08	1.10E-03	1.73E-07	6.01E-08	1.09E-03	1.72E-07	6.00E-08
1592	495211.06, 3858701.99	1.06E-03	1.67E-07	5.81E-08	1.08E-03	1.70E-07	5.93E-08	1.08E-03	1.70E-07	5.92E-08
1593	495261.06, 3858701.99	1.05E-03	1.66E-07	5.78E-08	1.08E-03	1.69E-07	5.90E-08	1.07E-03	1.69E-07	5.89E-08
1594	495311.06, 3858701.99	1.05E-03	1.65E-07	5.76E-08	1.07E-03	1.69E-07	5.87E-08	1.07E-03	1.68E-07	5.87E-08
1595	495361.06, 3858701.99	1.04E-03	1.64E-07	5.72E-08	1.06E-03	1.68E-07	5.84E-08	1.06E-03	1.67E-07	5.83E-08
1596	495411.06, 3858701.99	1.04E-03	1.64E-07	5.70E-08	1.06E-03	1.67E-07	5.82E-08	1.06E-03	1.67E-07	5.81E-08
1597	495461.06, 3858701.99	1.03E-03	1.63E-07	5.67E-08	1.05E-03	1.66E-07	5.79E-08	1.05E-03	1.66E-07	5.78E-08
1598	495511.06, 3858701.99	1.03E-03	1.62E-07	5.63E-08	1.05E-03	1.65E-07	5.74E-08	1.05E-03	1.65E-07	5.74E-08
1599	495561.06, 3858701.99	1.02E-03	1.60E-07	5.58E-08	1.04E-03	1.63E-07	5.69E-08	1.04E-03	1.63E-07	5.68E-08
1600	495611.06, 3858701.99	1.01E-03	1.59E-07	5.52E-08	1.03E-03	1.62E-07	5.64E-08	1.03E-03	1.62E-07	5.63E-08
1601	495661.06, 3858701.99	1.00E-03	1.58E-07	5.49E-08	1.02E-03	1.61E-07	5.60E-08	1.02E-03	1.61E-07	5.59E-08
1602	494311.06, 3858751.99	1.24E-03	1.95E-07	6.80E-08	1.26E-03	1.99E-07	6.94E-08	1.26E-03	1.99E-07	6.93E-08
1603	494361.06, 3858751.99	1.31E-03	2.07E-07	7.20E-08	1.34E-03	2.11E-07	7.35E-08	1.34E-03	2.11E-07	7.34E-08
1604	494411.06, 3858751.99	1.34E-03	2.11E-07	7.36E-08	1.37E-03	2.16E-07	7.51E-08	1.37E-03	2.15E-07	7.50E-08
1605	494461.06, 3858751.99	1.34E-03	2.11E-07	7.35E-08	1.37E-03	2.15E-07	7.50E-08	1.37E-03	2.15E-07	7.49E-08
1606	494511.06, 3858751.99	1.35E-03	2.13E-07	7.41E-08	1.38E-03	2.17E-07	7.56E-08	1.38E-03	2.17E-07	7.55E-08
1607	494561.06, 3858751.99	1.33E-03	2.09E-07	7.30E-08	1.36E-03	2.14E-07	7.44E-08	1.35E-03	2.13E-07	7.44E-08
1608	494611.06, 3858751.99	1.31E-03	2.07E-07	7.20E-08	1.34E-03	2.11E-07	7.35E-08	1.34E-03	2.11E-07	7.34E-08

1609	494661.06, 3858751.99	1.30E-03	2.04E-07	7.12E-08	1.32E-03	2.09E-07	7.26E-08	1.32E-03	2.08E-07	7.26E-08
1610	494711.06, 3858751.99	1.27E-03	2.00E-07	6.97E-08	1.30E-03	2.04E-07	7.11E-08	1.29E-03	2.04E-07	7.10E-08
1611	494761.06, 3858751.99	1.27E-03	2.00E-07	6.96E-08	1.29E-03	2.04E-07	7.10E-08	1.29E-03	2.04E-07	7.09E-08
1612	494811.06, 3858751.99	1.24E-03	1.96E-07	6.83E-08	1.27E-03	2.00E-07	6.97E-08	1.27E-03	2.00E-07	6.96E-08
1613	494861.06, 3858751.99	1.22E-03	1.93E-07	6.71E-08	1.25E-03	1.97E-07	6.85E-08	1.25E-03	1.96E-07	6.84E-08
1614	494911.06, 3858751.99	1.20E-03	1.89E-07	6.58E-08	1.22E-03	1.93E-07	6.72E-08	1.22E-03	1.93E-07	6.71E-08
1615	494961.06, 3858751.99	1.18E-03	1.86E-07	6.49E-08	1.21E-03	1.90E-07	6.62E-08	1.21E-03	1.90E-07	6.61E-08
1616	495011.06, 3858751.99	1.17E-03	1.84E-07	6.42E-08	1.19E-03	1.88E-07	6.55E-08	1.19E-03	1.88E-07	6.55E-08
1617	495061.06, 3858751.99	1.15E-03	1.82E-07	6.33E-08	1.18E-03	1.85E-07	6.46E-08	1.17E-03	1.85E-07	6.45E-08
1618	495111.06, 3858751.99	1.13E-03	1.78E-07	6.21E-08	1.16E-03	1.82E-07	6.34E-08	1.15E-03	1.82E-07	6.33E-08
1619	495161.06, 3858751.99	1.12E-03	1.76E-07	6.15E-08	1.14E-03	1.80E-07	6.27E-08	1.14E-03	1.80E-07	6.26E-08
1620	495211.06, 3858751.99	1.10E-03	1.74E-07	6.06E-08	1.13E-03	1.77E-07	6.18E-08	1.13E-03	1.77E-07	6.18E-08
1621	495261.06, 3858751.99	1.10E-03	1.73E-07	6.03E-08	1.12E-03	1.77E-07	6.15E-08	1.12E-03	1.76E-07	6.14E-08
1622	495311.06, 3858751.99	1.09E-03	1.72E-07	6.00E-08	1.12E-03	1.76E-07	6.12E-08	1.11E-03	1.76E-07	6.12E-08
1623	495361.06, 3858751.99	1.09E-03	1.71E-07	5.96E-08	1.11E-03	1.75E-07	6.08E-08	1.11E-03	1.74E-07	6.08E-08
1624	495411.06, 3858751.99	1.08E-03	1.71E-07	5.95E-08	1.11E-03	1.74E-07	6.07E-08	1.11E-03	1.74E-07	6.07E-08
1625	495461.06, 3858751.99	1.08E-03	1.70E-07	5.92E-08	1.10E-03	1.73E-07	6.04E-08	1.10E-03	1.73E-07	6.03E-08
1626	495511.06, 3858751.99	1.07E-03	1.68E-07	5.87E-08	1.09E-03	1.72E-07	5.99E-08	1.09E-03	1.72E-07	5.98E-08
1627	495561.06, 3858751.99	1.06E-03	1.67E-07	5.82E-08	1.08E-03	1.70E-07	5.93E-08	1.08E-03	1.70E-07	5.93E-08
1628	495611.06, 3858751.99	1.05E-03	1.65E-07	5.76E-08	1.07E-03	1.69E-07	5.88E-08	1.07E-03	1.69E-07	5.87E-08
1629	495661.06, 3858751.99	1.04E-03	1.64E-07	5.72E-08	1.06E-03	1.67E-07	5.83E-08	1.06E-03	1.67E-07	5.82E-08
1630	494311.06, 3858801.99	1.32E-03	2.07E-07	7.22E-08	1.34E-03	2.11E-07	7.37E-08	1.34E-03	2.11E-07	7.36E-08
1631	494361.06, 3858801.99	1.38E-03	2.18E-07	7.60E-08	1.41E-03	2.22E-07	7.75E-08	1.41E-03	2.22E-07	7.74E-08
1632	494411.06, 3858801.99	1.40E-03	2.20E-07	7.68E-08	1.43E-03	2.25E-07	7.84E-08	1.43E-03	2.25E-07	7.83E-08
1633	494461.06, 3858801.99	1.41E-03	2.21E-07	7.72E-08	1.43E-03	2.26E-07	7.87E-08	1.43E-03	2.26E-07	7.86E-08
1634	494511.06, 3858801.99	1.42E-03	2.23E-07	7.78E-08	1.45E-03	2.28E-07	7.94E-08	1.44E-03	2.28E-07	7.93E-08
1635	494561.06, 3858801.99	1.41E-03	2.22E-07	7.74E-08	1.44E-03	2.27E-07	7.90E-08	1.44E-03	2.26E-07	7.89E-08
1636	494611.06, 3858801.99	1.40E-03	2.20E-07	7.67E-08	1.43E-03	2.25E-07	7.83E-08	1.42E-03	2.24E-07	7.82E-08
1637	494661.06, 3858801.99	1.38E-03	2.17E-07	7.55E-08	1.40E-03	2.21E-07	7.70E-08	1.40E-03	2.21E-07	7.69E-08
1638	494711.06, 3858801.99	1.35E-03	2.13E-07	7.41E-08	1.38E-03	2.17E-07	7.56E-08	1.38E-03	2.17E-07	7.55E-08
1639	494761.06, 3858801.99	1.32E-03	2.08E-07	7.25E-08	1.35E-03	2.12E-07	7.40E-08	1.35E-03	2.12E-07	7.39E-08
1640	494811.06, 3858801.99	1.29E-03	2.04E-07	7.09E-08	1.32E-03	2.08E-07	7.23E-08	1.32E-03	2.07E-07	7.23E-08
1641	494861.06, 3858801.99	1.28E-03	2.01E-07	7.00E-08	1.30E-03	2.05E-07	7.14E-08	1.30E-03	2.05E-07	7.13E-08
1642	494911.06, 3858801.99	1.25E-03	1.97E-07	6.87E-08	1.28E-03	2.01E-07	7.01E-08	1.28E-03	2.01E-07	7.00E-08
1643	494961.06, 3858801.99	1.23E-03	1.94E-07	6.77E-08	1.26E-03	1.98E-07	6.91E-08	1.26E-03	1.98E-07	6.90E-08
1644	495011.06, 3858801.99	1.21E-03	1.91E-07	6.67E-08	1.24E-03	1.95E-07	6.80E-08	1.24E-03	1.95E-07	6.79E-08
1645	495061.06, 3858801.99	1.20E-03	1.89E-07	6.60E-08	1.23E-03	1.93E-07	6.73E-08	1.23E-03	1.93E-07	6.72E-08
1646	495111.06, 3858801.99	1.18E-03	1.86E-07	6.47E-08	1.20E-03	1.89E-07	6.60E-08	1.20E-03	1.89E-07	6.59E-08
1647	495161.06, 3858801.99	1.16E-03	1.83E-07	6.37E-08	1.18E-03	1.87E-07	6.50E-08	1.18E-03	1.86E-07	6.49E-08
1648	495211.06, 3858801.99	1.15E-03	1.81E-07	6.31E-08	1.17E-03	1.85E-07	6.44E-08	1.17E-03	1.85E-07	6.43E-08
1649	495261.06, 3858801.99	1.14E-03	1.80E-07	6.28E-08	1.17E-03	1.84E-07	6.41E-08	1.17E-03	1.84E-07	6.40E-08
1650	495311.06, 3858801.99	1.14E-03	1.80E-07	6.25E-08	1.16E-03	1.83E-07	6.38E-08	1.16E-03	1.83E-07	6.37E-08
1651	495361.06, 3858801.99	1.13E-03	1.78E-07	6.21E-08	1.16E-03	1.82E-07	6.34E-08	1.15E-03	1.82E-07	6.33E-08
1652	495411.06, 3858801.99	1.13E-03	1.78E-07	6.21E-08	1.16E-03	1.82E-07	6.34E-08	1.15E-03	1.82E-07	6.33E-08
1653	495461.06, 3858801.99	1.12E-03	1.77E-07	6.17E-08	1.15E-03	1.81E-07	6.30E-08	1.15E-03	1.81E-07	6.29E-08
1654	495511.06, 3858801.99	1.11E-03	1.75E-07	6.11E-08	1.14E-03	1.79E-07	6.24E-08	1.14E-03	1.79E-07	6.23E-08
1655	495561.06, 3858801.99	1.10E-03	1.74E-07	6.06E-08	1.13E-03	1.78E-07	6.19E-08	1.13E-03	1.77E-07	6.18E-08
1656	495611.06, 3858801.99	1.09E-03	1.72E-07	5.99E-08	1.11E-03	1.76E-07	6.12E-08	1.11E-03	1.75E-07	6.11E-08
1657	495661.06, 3858801.99	1.08E-03	1.71E-07	5.95E-08	1.11E-03	1.74E-07	6.08E-08	1.11E-03	1.74E-07	6.07E-08
1658	494311.06, 3858851.99	1.44E-03	2.27E-07	7.92E-08	1.47E-03	2.32E-07	8.08E-08	1.47E-03	2.32E-07	8.07E-08
1659	494361.06, 3858851.99	1.48E-03	2.34E-07	8.15E-08	1.52E-03	2.39E-07	8.32E-08	1.51E-03	2.38E-07	8.31E-08
1660	494411.06, 3858851.99	1.48E-03	2.33E-07	8.12E-08	1.51E-03	2.38E-07	8.28E-08	1.51E-03	2.37E-07	8.27E-08
1661	494461.06, 3858851.99	1.48E-03	2.33E-07	8.12E-08	1.51E-03	2.38E-07	8.29E-08	1.51E-03	2.38E-07	8.28E-08
1662	494511.06, 3858851.99	1.49E-03	2.34E-07	8.15E-08	1.52E-03	2.39E-07	8.32E-08	1.51E-03	2.39E-07	8.31E-08
1663	494561.06, 3858851.99	1.48E-03	2.32E-07	8.10E-08	1.51E-03	2.37E-07	8.26E-08	1.50E-03	2.37E-07	8.25E-08
1664	494611.06, 3858851.99	1.46E-03	2.30E-07	8.00E-08	1.49E-03	2.34E-07	8.16E-08	1.49E-03	2.34E-07	8.15E-08
1665	494661.06, 3858851.99	1.44E-03	2.26E-07	7.88E-08	1.46E-03	2.31E-07	8.04E-08	1.46E-03	2.30E-07	8.03E-08
1666	494711.06, 3858851.99	1.40E-03	2.21E-07	7.70E-08	1.43E-03	2.26E-07	7.86E-08	1.43E-03	2.25E-07	7.85E-08
1667	494761.06, 3858851.99	1.37E-03	2.16E-07	7.54E-08	1.40E-03	2.21E-07	7.69E-08	1.40E-03	2.21E-07	7.68E-08
1668	494811.06, 3858851.99	1.35E-03	2.12E-07	7.40E-08	1.38E-03	2.17E-07	7.55E-08	1.37E-03	2.17E-07	7.54E-08
1669	494861.06, 3858851.99	1.33E-03	2.10E-07	7.31E-08	1.36E-03	2.14E-07	7.46E-08	1.36E-03	2.14E-07	7.45E-08
1670	494911.06, 3858851.99	1.31E-03	2.06E-07	7.18E-08	1.34E-03	2.10E-07	7.33E-08	1.33E-03	2.10E-07	7.32E-08

1671	494961.06, 3858851.99	1.29E-03	2.03E-07	7.07E-08	1.31E-03	2.07E-07	7.21E-08	1.31E-03	2.07E-07	7.21E-08
1672	495011.06, 3858851.99	1.27E-03	2.00E-07	6.98E-08	1.30E-03	2.04E-07	7.12E-08	1.30E-03	2.04E-07	7.11E-08
1673	495061.06, 3858851.99	1.25E-03	1.97E-07	6.87E-08	1.28E-03	2.01E-07	7.01E-08	1.28E-03	2.01E-07	7.00E-08
1674	495111.06, 3858851.99	1.22E-03	1.92E-07	6.69E-08	1.24E-03	1.96E-07	6.83E-08	1.24E-03	1.96E-07	6.82E-08
1675	495161.06, 3858851.99	1.20E-03	1.89E-07	6.59E-08	1.23E-03	1.93E-07	6.72E-08	1.22E-03	1.93E-07	6.72E-08
1676	495211.06, 3858851.99	1.20E-03	1.89E-07	6.58E-08	1.22E-03	1.93E-07	6.71E-08	1.22E-03	1.93E-07	6.71E-08
1677	495261.06, 3858851.99	1.19E-03	1.88E-07	6.54E-08	1.22E-03	1.92E-07	6.68E-08	1.21E-03	1.91E-07	6.67E-08
1678	495311.06, 3858851.99	1.19E-03	1.87E-07	6.52E-08	1.21E-03	1.91E-07	6.66E-08	1.21E-03	1.91E-07	6.65E-08
1679	495361.06, 3858851.99	1.18E-03	1.86E-07	6.49E-08	1.21E-03	1.90E-07	6.62E-08	1.20E-03	1.90E-07	6.61E-08
1680	495411.06, 3858851.99	1.18E-03	1.85E-07	6.46E-08	1.20E-03	1.89E-07	6.59E-08	1.20E-03	1.89E-07	6.58E-08
1681	495461.06, 3858851.99	1.17E-03	1.84E-07	6.43E-08	1.19E-03	1.88E-07	6.56E-08	1.19E-03	1.88E-07	6.55E-08
1682	495511.06, 3858851.99	1.16E-03	1.83E-07	6.36E-08	1.18E-03	1.86E-07	6.49E-08	1.18E-03	1.86E-07	6.49E-08
1683	495561.06, 3858851.99	1.15E-03	1.80E-07	6.29E-08	1.17E-03	1.84E-07	6.41E-08	1.17E-03	1.84E-07	6.41E-08
1684	495611.06, 3858851.99	1.13E-03	1.78E-07	6.21E-08	1.15E-03	1.82E-07	6.34E-08	1.15E-03	1.82E-07	6.33E-08
1685	495661.06, 3858851.99	1.13E-03	1.77E-07	6.18E-08	1.15E-03	1.81E-07	6.31E-08	1.15E-03	1.81E-07	6.30E-08
1686	494311.06, 3858901.99	1.53E-03	2.41E-07	8.40E-08	1.56E-03	2.46E-07	8.58E-08	1.56E-03	2.46E-07	8.57E-08
1687	494361.06, 3858901.99	1.56E-03	2.46E-07	8.58E-08	1.59E-03	2.51E-07	8.75E-08	1.59E-03	2.51E-07	8.74E-08
1688	494411.06, 3858901.99	1.56E-03	2.46E-07	8.57E-08	1.59E-03	2.51E-07	8.75E-08	1.59E-03	2.51E-07	8.74E-08
1689	494461.06, 3858901.99	1.57E-03	2.48E-07	8.64E-08	1.61E-03	2.53E-07	8.81E-08	1.60E-03	2.53E-07	8.80E-08
1690	494511.06, 3858901.99	1.57E-03	2.47E-07	8.61E-08	1.60E-03	2.52E-07	8.79E-08	1.60E-03	2.52E-07	8.78E-08
1691	494561.06, 3858901.99	1.55E-03	2.44E-07	8.50E-08	1.58E-03	2.49E-07	8.67E-08	1.58E-03	2.49E-07	8.66E-08
1692	494611.06, 3858901.99	1.52E-03	2.39E-07	8.32E-08	1.55E-03	2.44E-07	8.49E-08	1.54E-03	2.43E-07	8.48E-08
1693	494661.06, 3858901.99	1.50E-03	2.36E-07	8.21E-08	1.53E-03	2.40E-07	8.38E-08	1.52E-03	2.40E-07	8.37E-08
1694	494711.06, 3858901.99	1.47E-03	2.31E-07	8.04E-08	1.49E-03	2.36E-07	8.20E-08	1.49E-03	2.35E-07	8.20E-08
1695	494761.06, 3858901.99	1.43E-03	2.25E-07	7.85E-08	1.46E-03	2.30E-07	8.01E-08	1.46E-03	2.30E-07	8.00E-08
1696	494811.06, 3858901.99	1.41E-03	2.22E-07	7.73E-08	1.44E-03	2.26E-07	7.88E-08	1.43E-03	2.26E-07	7.88E-08
1697	494861.06, 3858901.99	1.39E-03	2.19E-07	7.63E-08	1.42E-03	2.24E-07	7.79E-08	1.42E-03	2.23E-07	7.78E-08
1698	494911.06, 3858901.99	1.36E-03	2.14E-07	7.45E-08	1.39E-03	2.18E-07	7.60E-08	1.38E-03	2.18E-07	7.59E-08
1699	494961.06, 3858901.99	1.34E-03	2.11E-07	7.34E-08	1.37E-03	2.15E-07	7.49E-08	1.36E-03	2.15E-07	7.48E-08
1700	495011.06, 3858901.99	1.32E-03	2.08E-07	7.24E-08	1.35E-03	2.12E-07	7.39E-08	1.34E-03	2.12E-07	7.38E-08
1701	495061.06, 3858901.99	1.29E-03	2.04E-07	7.10E-08	1.32E-03	2.08E-07	7.24E-08	1.32E-03	2.08E-07	7.24E-08
1702	495111.06, 3858901.99	1.26E-03	1.98E-07	6.91E-08	1.28E-03	2.02E-07	7.05E-08	1.28E-03	2.02E-07	7.04E-08
1703	495161.06, 3858901.99	1.25E-03	1.96E-07	6.84E-08	1.27E-03	2.00E-07	6.98E-08	1.27E-03	2.00E-07	6.97E-08
1704	495211.06, 3858901.99	1.25E-03	1.97E-07	6.85E-08	1.27E-03	2.01E-07	6.99E-08	1.27E-03	2.01E-07	6.99E-08
1705	495261.06, 3858901.99	1.24E-03	1.96E-07	6.82E-08	1.27E-03	2.00E-07	6.96E-08	1.27E-03	2.00E-07	6.96E-08
1706	495311.06, 3858901.99	1.24E-03	1.95E-07	6.78E-08	1.26E-03	1.99E-07	6.92E-08	1.26E-03	1.98E-07	6.91E-08
1707	495361.06, 3858901.99	1.23E-03	1.94E-07	6.74E-08	1.25E-03	1.97E-07	6.88E-08	1.25E-03	1.97E-07	6.87E-08
1708	495411.06, 3858901.99	1.23E-03	1.93E-07	6.73E-08	1.25E-03	1.97E-07	6.86E-08	1.25E-03	1.97E-07	6.86E-08
1709	495461.06, 3858901.99	1.22E-03	1.92E-07	6.67E-08	1.24E-03	1.95E-07	6.81E-08	1.24E-03	1.95E-07	6.80E-08
1710	495511.06, 3858901.99	1.20E-03	1.89E-07	6.60E-08	1.23E-03	1.93E-07	6.73E-08	1.23E-03	1.93E-07	6.72E-08
1711	495561.06, 3858901.99	1.19E-03	1.88E-07	6.53E-08	1.21E-03	1.91E-07	6.67E-08	1.21E-03	1.91E-07	6.66E-08
1712	495611.06, 3858901.99	1.18E-03	1.85E-07	6.45E-08	1.20E-03	1.89E-07	6.58E-08	1.20E-03	1.89E-07	6.58E-08
1713	495661.06, 3858901.99	1.17E-03	1.84E-07	6.43E-08	1.19E-03	1.88E-07	6.56E-08	1.19E-03	1.88E-07	6.55E-08
1714	494311.06, 3858951.99	1.65E-03	2.59E-07	9.03E-08	1.68E-03	2.64E-07	9.21E-08	1.68E-03	2.64E-07	9.20E-08
1715	494361.06, 3858951.99	1.66E-03	2.61E-07	9.09E-08	1.69E-03	2.66E-07	9.27E-08	1.69E-03	2.66E-07	9.26E-08
1716	494411.06, 3858951.99	1.64E-03	2.58E-07	9.00E-08	1.67E-03	2.64E-07	9.18E-08	1.67E-03	2.63E-07	9.17E-08
1717	494461.06, 3858951.99	1.65E-03	2.60E-07	9.07E-08	1.69E-03	2.66E-07	9.26E-08	1.68E-03	2.65E-07	9.25E-08
1718	494511.06, 3858951.99	1.64E-03	2.58E-07	9.00E-08	1.67E-03	2.64E-07	9.19E-08	1.67E-03	2.63E-07	9.17E-08
1719	494561.06, 3858951.99	1.62E-03	2.55E-07	8.88E-08	1.65E-03	2.60E-07	9.06E-08	1.65E-03	2.60E-07	9.05E-08
1720	494611.06, 3858951.99	1.59E-03	2.50E-07	8.72E-08	1.62E-03	2.55E-07	8.89E-08	1.62E-03	2.55E-07	8.88E-08
1721	494661.06, 3858951.99	1.56E-03	2.46E-07	8.56E-08	1.59E-03	2.51E-07	8.73E-08	1.59E-03	2.50E-07	8.72E-08
1722	494711.06, 3858951.99	1.52E-03	2.40E-07	8.35E-08	1.55E-03	2.45E-07	8.52E-08	1.55E-03	2.44E-07	8.51E-08
1723	494761.06, 3858951.99	1.49E-03	2.35E-07	8.19E-08	1.52E-03	2.40E-07	8.36E-08	1.52E-03	2.40E-07	8.35E-08
1724	494811.06, 3858951.99	1.47E-03	2.32E-07	8.08E-08	1.50E-03	2.37E-07	8.24E-08	1.50E-03	2.36E-07	8.23E-08
1725	494861.06, 3858951.99	1.45E-03	2.29E-07	7.97E-08	1.48E-03	2.33E-07	8.13E-08	1.48E-03	2.33E-07	8.12E-08
1726	494911.06, 3858951.99	1.42E-03	2.24E-07	7.81E-08	1.45E-03	2.29E-07	7.97E-08	1.45E-03	2.29E-07	7.96E-08
1727	494961.06, 3858951.99	1.41E-03	2.22E-07	7.72E-08	1.44E-03	2.26E-07	7.88E-08	1.43E-03	2.26E-07	7.87E-08
1728	495011.06, 3858951.99	1.37E-03	2.15E-07	7.50E-08	1.39E-03	2.20E-07	7.65E-08	1.39E-03	2.19E-07	7.64E-08
1729	495061.06, 3858951.99	1.33E-03	2.09E-07	7.29E-08	1.36E-03	2.13E-07	7.44E-08	1.35E-03	2.13E-07	7.43E-08
1730	495111.06, 3858951.99	1.30E-03	2.05E-07	7.13E-08	1.33E-03	2.09E-07	7.27E-08	1.32E-03	2.09E-07	7.26E-08
1731	495161.06, 3858951.99	1.31E-03	2.06E-07	7.17E-08	1.33E-03	2.10E-07	7.31E-08	1.33E-03	2.10E-07	7.31E-08
1732	495211.06, 3858951.99	1.30E-03	2.05E-07	7.14E-08	1.33E-03	2.09E-07	7.28E-08	1.33E-03	2.09E-07	7.28E-08

1733	495261.06, 3858951.99	1.30E-03	2.04E-07	7.11E-08	1.32E-03	2.08E-07	7.25E-08	1.32E-03	2.08E-07	7.24E-08
1734	495311.06, 3858951.99	1.28E-03	2.01E-07	7.02E-08	1.30E-03	2.06E-07	7.16E-08	1.30E-03	2.05E-07	7.15E-08
1735	495361.06, 3858951.99	1.27E-03	2.01E-07	7.00E-08	1.30E-03	2.05E-07	7.14E-08	1.30E-03	2.05E-07	7.13E-08
1736	495411.06, 3858951.99	1.27E-03	2.00E-07	6.98E-08	1.30E-03	2.05E-07	7.13E-08	1.30E-03	2.04E-07	7.12E-08
1737	495461.06, 3858951.99	1.26E-03	1.99E-07	6.93E-08	1.29E-03	2.03E-07	7.08E-08	1.29E-03	2.03E-07	7.07E-08
1738	495511.06, 3858951.99	1.26E-03	1.98E-07	6.91E-08	1.28E-03	2.02E-07	7.05E-08	1.28E-03	2.02E-07	7.04E-08
1739	495561.06, 3858951.99	1.24E-03	1.95E-07	6.79E-08	1.26E-03	1.99E-07	6.92E-08	1.26E-03	1.99E-07	6.92E-08
1740	495611.06, 3858951.99	1.22E-03	1.93E-07	6.71E-08	1.25E-03	1.96E-07	6.85E-08	1.25E-03	1.96E-07	6.84E-08
1741	495661.06, 3858951.99	1.22E-03	1.92E-07	6.68E-08	1.24E-03	1.96E-07	6.82E-08	1.24E-03	1.95E-07	6.81E-08
1742	494311.06, 3859001.99	1.75E-03	2.76E-07	9.60E-08	1.78E-03	2.81E-07	9.79E-08	1.78E-03	2.81E-07	9.78E-08
1743	494361.06, 3859001.99	1.74E-03	2.74E-07	9.56E-08	1.78E-03	2.80E-07	9.76E-08	1.78E-03	2.80E-07	9.75E-08
1744	494411.06, 3859001.99	1.75E-03	2.75E-07	9.59E-08	1.78E-03	2.81E-07	9.79E-08	1.78E-03	2.81E-07	9.77E-08
1745	494461.06, 3859001.99	1.73E-03	2.73E-07	9.52E-08	1.77E-03	2.79E-07	9.71E-08	1.77E-03	2.78E-07	9.70E-08
1746	494511.06, 3859001.99	1.72E-03	2.71E-07	9.44E-08	1.76E-03	2.77E-07	9.64E-08	1.75E-03	2.76E-07	9.62E-08
1747	494561.06, 3859001.99	1.69E-03	2.66E-07	9.26E-08	1.72E-03	2.71E-07	9.45E-08	1.72E-03	2.71E-07	9.44E-08
1748	494611.06, 3859001.99	1.66E-03	2.61E-07	9.10E-08	1.69E-03	2.67E-07	9.29E-08	1.69E-03	2.66E-07	9.28E-08
1749	494661.06, 3859001.99	1.62E-03	2.56E-07	8.91E-08	1.66E-03	2.61E-07	9.09E-08	1.65E-03	2.61E-07	9.08E-08
1750	494711.06, 3859001.99	1.58E-03	2.49E-07	8.69E-08	1.61E-03	2.54E-07	8.86E-08	1.61E-03	2.54E-07	8.85E-08
1751	494761.06, 3859001.99	1.56E-03	2.45E-07	8.55E-08	1.59E-03	2.50E-07	8.72E-08	1.59E-03	2.50E-07	8.71E-08
1752	494811.06, 3859001.99	1.54E-03	2.43E-07	8.46E-08	1.57E-03	2.48E-07	8.63E-08	1.57E-03	2.47E-07	8.62E-08
1753	494861.06, 3859001.99	1.51E-03	2.39E-07	8.31E-08	1.54E-03	2.43E-07	8.48E-08	1.54E-03	2.43E-07	8.47E-08
1754	494911.06, 3859001.99	1.49E-03	2.34E-07	8.15E-08	1.52E-03	2.39E-07	8.32E-08	1.51E-03	2.39E-07	8.31E-08
1755	494961.06, 3859001.99	1.46E-03	2.30E-07	8.00E-08	1.49E-03	2.34E-07	8.16E-08	1.49E-03	2.34E-07	8.15E-08
1756	495011.06, 3859001.99	1.39E-03	2.19E-07	7.63E-08	1.42E-03	2.24E-07	7.79E-08	1.42E-03	2.23E-07	7.78E-08
1757	495061.06, 3859001.99	1.37E-03	2.17E-07	7.54E-08	1.40E-03	2.21E-07	7.70E-08	1.40E-03	2.21E-07	7.69E-08
1758	495111.06, 3859001.99	1.34E-03	2.12E-07	7.38E-08	1.37E-03	2.16E-07	7.53E-08	1.37E-03	2.16E-07	7.52E-08
1759	495161.06, 3859001.99	1.36E-03	2.14E-07	7.46E-08	1.39E-03	2.19E-07	7.62E-08	1.39E-03	2.18E-07	7.61E-08
1760	495211.06, 3859001.99	1.35E-03	2.13E-07	7.41E-08	1.38E-03	2.17E-07	7.56E-08	1.38E-03	2.17E-07	7.55E-08
1761	495261.06, 3859001.99	1.35E-03	2.12E-07	7.38E-08	1.37E-03	2.16E-07	7.53E-08	1.37E-03	2.16E-07	7.53E-08
1762	495311.06, 3859001.99	1.33E-03	2.10E-07	7.32E-08	1.36E-03	2.15E-07	7.47E-08	1.36E-03	2.14E-07	7.47E-08
1763	495361.06, 3859001.99	1.33E-03	2.09E-07	7.30E-08	1.36E-03	2.14E-07	7.44E-08	1.35E-03	2.13E-07	7.44E-08
1764	495411.06, 3859001.99	1.32E-03	2.08E-07	7.25E-08	1.35E-03	2.12E-07	7.40E-08	1.35E-03	2.12E-07	7.39E-08
1765	495461.06, 3859001.99	1.31E-03	2.07E-07	7.21E-08	1.34E-03	2.11E-07	7.36E-08	1.34E-03	2.11E-07	7.35E-08
1766	495511.06, 3859001.99	1.30E-03	2.04E-07	7.11E-08	1.32E-03	2.08E-07	7.25E-08	1.32E-03	2.08E-07	7.25E-08
1767	495561.06, 3859001.99	1.28E-03	2.02E-07	7.04E-08	1.31E-03	2.06E-07	7.19E-08	1.31E-03	2.06E-07	7.18E-08
1768	495611.06, 3859001.99	1.27E-03	2.00E-07	6.97E-08	1.30E-03	2.04E-07	7.11E-08	1.29E-03	2.04E-07	7.10E-08
1769	495661.06, 3859001.99	1.27E-03	2.00E-07	6.98E-08	1.30E-03	2.04E-07	7.12E-08	1.30E-03	2.04E-07	7.11E-08
1770	494311.06, 3859051.99	1.85E-03	2.91E-07	1.01E-07	1.89E-03	2.97E-07	1.04E-07	1.88E-03	2.97E-07	1.03E-07
1771	494361.06, 3859051.99	1.86E-03	2.93E-07	1.02E-07	1.90E-03	2.99E-07	1.04E-07	1.89E-03	2.98E-07	1.04E-07
1772	494411.06, 3859051.99	1.84E-03	2.89E-07	1.01E-07	1.88E-03	2.95E-07	1.03E-07	1.87E-03	2.95E-07	1.03E-07
1773	494461.06, 3859051.99	1.81E-03	2.86E-07	9.96E-08	1.85E-03	2.92E-07	1.02E-07	1.85E-03	2.91E-07	1.01E-07
1774	494511.06, 3859051.99	1.78E-03	2.81E-07	9.79E-08	1.82E-03	2.87E-07	9.99E-08	1.82E-03	2.86E-07	9.98E-08
1775	494561.06, 3859051.99	1.76E-03	2.77E-07	9.65E-08	1.80E-03	2.83E-07	9.85E-08	1.79E-03	2.82E-07	9.84E-08
1776	494611.06, 3859051.99	1.73E-03	2.72E-07	9.47E-08	1.76E-03	2.77E-07	9.67E-08	1.76E-03	2.77E-07	9.66E-08
1777	494661.06, 3859051.99	1.69E-03	2.66E-07	9.28E-08	1.73E-03	2.72E-07	9.47E-08	1.72E-03	2.72E-07	9.46E-08
1778	494711.06, 3859051.99	1.66E-03	2.61E-07	9.11E-08	1.69E-03	2.67E-07	9.29E-08	1.69E-03	2.66E-07	9.28E-08
1779	494761.06, 3859051.99	1.63E-03	2.56E-07	8.93E-08	1.66E-03	2.61E-07	9.11E-08	1.66E-03	2.61E-07	9.10E-08
1780	494811.06, 3859051.99	1.60E-03	2.52E-07	8.79E-08	1.64E-03	2.58E-07	8.97E-08	1.63E-03	2.57E-07	8.96E-08
1781	494861.06, 3859051.99	1.58E-03	2.49E-07	8.66E-08	1.61E-03	2.54E-07	8.84E-08	1.61E-03	2.53E-07	8.83E-08
1782	494911.06, 3859051.99	1.54E-03	2.43E-07	8.47E-08	1.57E-03	2.48E-07	8.64E-08	1.57E-03	2.48E-07	8.63E-08
1783	494961.06, 3859051.99	1.49E-03	2.35E-07	8.20E-08	1.52E-03	2.40E-07	8.36E-08	1.52E-03	2.40E-07	8.35E-08
1784	495011.06, 3859051.99	1.46E-03	2.29E-07	7.99E-08	1.49E-03	2.34E-07	8.16E-08	1.48E-03	2.34E-07	8.15E-08
1785	495061.06, 3859051.99	1.43E-03	2.25E-07	7.85E-08	1.46E-03	2.30E-07	8.01E-08	1.46E-03	2.30E-07	8.00E-08
1786	495111.06, 3859051.99	1.41E-03	2.23E-07	7.76E-08	1.44E-03	2.27E-07	7.92E-08	1.44E-03	2.27E-07	7.91E-08
1787	495161.06, 3859051.99	1.42E-03	2.24E-07	7.79E-08	1.45E-03	2.28E-07	7.95E-08	1.45E-03	2.28E-07	7.94E-08
1788	495211.06, 3859051.99	1.40E-03	2.21E-07	7.69E-08	1.43E-03	2.25E-07	7.85E-08	1.43E-03	2.25E-07	7.84E-08
1789	495261.06, 3859051.99	1.40E-03	2.21E-07	7.69E-08	1.43E-03	2.25E-07	7.85E-08	1.43E-03	2.25E-07	7.84E-08
1790	495311.06, 3859051.99	1.39E-03	2.19E-07	7.61E-08	1.42E-03	2.23E-07	7.77E-08	1.41E-03	2.23E-07	7.76E-08
1791	495361.06, 3859051.99	1.38E-03	2.17E-07	7.57E-08	1.41E-03	2.22E-07	7.72E-08	1.41E-03	2.21E-07	7.71E-08
1792	495411.06, 3859051.99	1.37E-03	2.17E-07	7.54E-08	1.40E-03	2.21E-07	7.70E-08	1.40E-03	2.21E-07	7.69E-08
1793	495461.06, 3859051.99	1.37E-03	2.16E-07	7.52E-08	1.40E-03	2.20E-07	7.67E-08	1.40E-03	2.20E-07	7.66E-08
1794	495511.06, 3859051.99	1.35E-03	2.12E-07	7.40E-08	1.38E-03	2.17E-07	7.55E-08	1.37E-03	2.16E-07	7.54E-08

1795	495561.06, 3859051.99	1.33E-03	2.10E-07	7.31E-08	1.36E-03	2.14E-07	7.46E-08	1.36E-03	2.14E-07	7.45E-08
1796	495611.06, 3859051.99	1.32E-03	2.07E-07	7.23E-08	1.34E-03	2.12E-07	7.37E-08	1.34E-03	2.11E-07	7.37E-08
1797	495661.06, 3859051.99	1.32E-03	2.07E-07	7.23E-08	1.34E-03	2.12E-07	7.38E-08	1.34E-03	2.11E-07	7.37E-08
1798	494311.06, 3859101.99	1.97E-03	3.10E-07	1.08E-07	2.01E-03	3.17E-07	1.10E-07	2.01E-03	3.16E-07	1.10E-07
1799	494361.06, 3859101.99	1.95E-03	3.07E-07	1.07E-07	1.99E-03	3.13E-07	1.09E-07	1.99E-03	3.13E-07	1.09E-07
1800	494411.06, 3859101.99	1.93E-03	3.04E-07	1.06E-07	1.97E-03	3.11E-07	1.08E-07	1.97E-03	3.10E-07	1.08E-07
1801	494461.06, 3859101.99	1.91E-03	3.00E-07	1.05E-07	1.94E-03	3.06E-07	1.07E-07	1.94E-03	3.06E-07	1.07E-07
1802	494511.06, 3859101.99	1.87E-03	2.94E-07	1.02E-07	1.91E-03	3.00E-07	1.05E-07	1.90E-03	3.00E-07	1.04E-07
1803	494561.06, 3859101.99	1.84E-03	2.89E-07	1.01E-07	1.87E-03	2.95E-07	1.03E-07	1.87E-03	2.95E-07	1.03E-07
1804	494611.06, 3859101.99	1.79E-03	2.83E-07	9.84E-08	1.83E-03	2.88E-07	1.00E-07	1.83E-03	2.88E-07	1.00E-07
1805	494661.06, 3859101.99	1.77E-03	2.78E-07	9.69E-08	1.80E-03	2.84E-07	9.88E-08	1.80E-03	2.83E-07	9.87E-08
1806	494711.06, 3859101.99	1.72E-03	2.71E-07	9.43E-08	1.75E-03	2.76E-07	9.62E-08	1.75E-03	2.76E-07	9.61E-08
1807	494761.06, 3859101.99	1.70E-03	2.68E-07	9.35E-08	1.74E-03	2.74E-07	9.54E-08	1.74E-03	2.73E-07	9.53E-08
1808	494811.06, 3859101.99	1.67E-03	2.63E-07	9.17E-08	1.71E-03	2.69E-07	9.36E-08	1.70E-03	2.68E-07	9.35E-08
1809	494861.06, 3859101.99	1.64E-03	2.59E-07	9.02E-08	1.68E-03	2.64E-07	9.20E-08	1.67E-03	2.64E-07	9.19E-08
1810	494911.06, 3859101.99	1.60E-03	2.53E-07	8.81E-08	1.64E-03	2.58E-07	8.99E-08	1.64E-03	2.58E-07	8.97E-08
1811	494961.06, 3859101.99	1.55E-03	2.44E-07	8.50E-08	1.58E-03	2.49E-07	8.68E-08	1.58E-03	2.49E-07	8.67E-08
1812	495011.06, 3859101.99	1.49E-03	2.35E-07	8.20E-08	1.52E-03	2.40E-07	8.37E-08	1.52E-03	2.40E-07	8.36E-08
1813	495061.06, 3859101.99	1.49E-03	2.35E-07	8.17E-08	1.52E-03	2.39E-07	8.34E-08	1.52E-03	2.39E-07	8.33E-08
1814	495111.06, 3859101.99	1.47E-03	2.32E-07	8.07E-08	1.50E-03	2.36E-07	8.24E-08	1.50E-03	2.36E-07	8.23E-08
1815	495161.06, 3859101.99	1.47E-03	2.32E-07	8.09E-08	1.50E-03	2.37E-07	8.26E-08	1.50E-03	2.37E-07	8.25E-08
1816	495211.06, 3859101.99	1.46E-03	2.30E-07	8.00E-08	1.49E-03	2.34E-07	8.16E-08	1.49E-03	2.34E-07	8.15E-08
1817	495261.06, 3859101.99	1.45E-03	2.29E-07	7.97E-08	1.48E-03	2.34E-07	8.14E-08	1.48E-03	2.33E-07	8.13E-08
1818	495311.06, 3859101.99	1.44E-03	2.27E-07	7.90E-08	1.47E-03	2.31E-07	8.06E-08	1.47E-03	2.31E-07	8.05E-08
1819	495361.06, 3859101.99	1.44E-03	2.27E-07	7.90E-08	1.47E-03	2.31E-07	8.06E-08	1.47E-03	2.31E-07	8.05E-08
1820	495411.06, 3859101.99	1.43E-03	2.25E-07	7.85E-08	1.46E-03	2.30E-07	8.02E-08	1.46E-03	2.30E-07	8.01E-08
1821	495461.06, 3859101.99	1.41E-03	2.22E-07	7.73E-08	1.44E-03	2.26E-07	7.89E-08	1.44E-03	2.26E-07	7.88E-08
1822	495511.06, 3859101.99	1.40E-03	2.20E-07	7.67E-08	1.43E-03	2.25E-07	7.83E-08	1.42E-03	2.24E-07	7.82E-08
1823	495561.06, 3859101.99	1.39E-03	2.19E-07	7.62E-08	1.42E-03	2.23E-07	7.77E-08	1.41E-03	2.23E-07	7.76E-08
1824	495611.06, 3859101.99	1.37E-03	2.16E-07	7.52E-08	1.40E-03	2.20E-07	7.67E-08	1.40E-03	2.20E-07	7.66E-08
1825	495661.06, 3859101.99	1.36E-03	2.15E-07	7.48E-08	1.39E-03	2.19E-07	7.64E-08	1.39E-03	2.19E-07	7.63E-08
1826	494311.06, 3859151.99	2.07E-03	3.26E-07	1.14E-07	2.11E-03	3.33E-07	1.16E-07	2.11E-03	3.33E-07	1.16E-07
1827	494361.06, 3859151.99	2.06E-03	3.24E-07	1.13E-07	2.10E-03	3.31E-07	1.15E-07	2.10E-03	3.30E-07	1.15E-07
1828	494411.06, 3859151.99	2.02E-03	3.19E-07	1.11E-07	2.06E-03	3.25E-07	1.13E-07	2.06E-03	3.25E-07	1.13E-07
1829	494461.06, 3859151.99	1.99E-03	3.13E-07	1.09E-07	2.03E-03	3.19E-07	1.11E-07	2.03E-03	3.19E-07	1.11E-07
1830	494511.06, 3859151.99	1.94E-03	3.06E-07	1.07E-07	1.98E-03	3.12E-07	1.09E-07	1.98E-03	3.12E-07	1.09E-07
1831	494561.06, 3859151.99	1.92E-03	3.02E-07	1.05E-07	1.96E-03	3.08E-07	1.07E-07	1.95E-03	3.08E-07	1.07E-07
1832	494611.06, 3859151.99	1.87E-03	2.95E-07	1.03E-07	1.91E-03	3.01E-07	1.05E-07	1.91E-03	3.01E-07	1.05E-07
1833	494661.06, 3859151.99	1.85E-03	2.91E-07	1.01E-07	1.88E-03	2.97E-07	1.03E-07	1.88E-03	2.96E-07	1.03E-07
1834	494711.06, 3859151.99	1.82E-03	2.87E-07	9.99E-08	1.86E-03	2.93E-07	1.02E-07	1.86E-03	2.92E-07	1.02E-07
1835	494761.06, 3859151.99	1.77E-03	2.79E-07	9.74E-08	1.81E-03	2.85E-07	9.94E-08	1.81E-03	2.85E-07	9.92E-08
1836	494811.06, 3859151.99	1.74E-03	2.73E-07	9.53E-08	1.77E-03	2.79E-07	9.72E-08	1.77E-03	2.79E-07	9.71E-08
1837	494861.06, 3859151.99	1.71E-03	2.69E-07	9.38E-08	1.74E-03	2.75E-07	9.57E-08	1.74E-03	2.74E-07	9.56E-08
1838	494911.06, 3859151.99	1.66E-03	2.62E-07	9.13E-08	1.70E-03	2.68E-07	9.32E-08	1.70E-03	2.67E-07	9.31E-08
1839	494961.06, 3859151.99	1.60E-03	2.52E-07	8.79E-08	1.63E-03	2.57E-07	8.97E-08	1.63E-03	2.57E-07	8.96E-08
1840	495011.06, 3859151.99	1.55E-03	2.45E-07	8.53E-08	1.59E-03	2.50E-07	8.70E-08	1.58E-03	2.50E-07	8.69E-08
1841	495061.06, 3859151.99	1.54E-03	2.43E-07	8.48E-08	1.58E-03	2.48E-07	8.65E-08	1.57E-03	2.48E-07	8.64E-08
1842	495111.06, 3859151.99	1.53E-03	2.41E-07	8.40E-08	1.56E-03	2.46E-07	8.57E-08	1.56E-03	2.46E-07	8.56E-08
1843	495161.06, 3859151.99	1.53E-03	2.42E-07	8.42E-08	1.57E-03	2.47E-07	8.59E-08	1.56E-03	2.46E-07	8.58E-08
1844	495211.06, 3859151.99	1.52E-03	2.40E-07	8.35E-08	1.55E-03	2.45E-07	8.52E-08	1.55E-03	2.44E-07	8.51E-08
1845	495261.06, 3859151.99	1.51E-03	2.38E-07	8.28E-08	1.54E-03	2.43E-07	8.45E-08	1.54E-03	2.42E-07	8.44E-08
1846	495311.06, 3859151.99	1.50E-03	2.36E-07	8.23E-08	1.53E-03	2.41E-07	8.40E-08	1.53E-03	2.41E-07	8.39E-08
1847	495361.06, 3859151.99	1.49E-03	2.35E-07	8.17E-08	1.52E-03	2.39E-07	8.34E-08	1.52E-03	2.39E-07	8.33E-08
1848	495411.06, 3859151.99	1.49E-03	2.35E-07	8.18E-08	1.52E-03	2.40E-07	8.35E-08	1.52E-03	2.39E-07	8.34E-08
1849	495461.06, 3859151.99	1.48E-03	2.33E-07	8.13E-08	1.51E-03	2.38E-07	8.29E-08	1.51E-03	2.38E-07	8.28E-08
1850	495511.06, 3859151.99	1.46E-03	2.30E-07	8.01E-08	1.49E-03	2.35E-07	8.17E-08	1.49E-03	2.34E-07	8.16E-08
1851	495561.06, 3859151.99	1.44E-03	2.27E-07	7.91E-08	1.47E-03	2.32E-07	8.08E-08	1.47E-03	2.32E-07	8.07E-08
1852	495611.06, 3859151.99	1.43E-03	2.25E-07	7.83E-08	1.46E-03	2.29E-07	7.99E-08	1.45E-03	2.29E-07	7.98E-08
1853	495661.06, 3859151.99	1.41E-03	2.23E-07	7.76E-08	1.44E-03	2.27E-07	7.92E-08	1.44E-03	2.27E-07	7.91E-08
1854	494311.06, 3859201.99	2.18E-03	3.43E-07	1.20E-07	2.22E-03	3.50E-07	1.22E-07	2.22E-03	3.50E-07	1.22E-07
1855	494361.06, 3859201.99	2.15E-03	3.39E-07	1.18E-07	2.20E-03	3.46E-07	1.21E-07	2.19E-03	3.46E-07	1.20E-07
1856	494411.06, 3859201.99	2.12E-03	3.34E-07	1.16E-07	2.16E-03	3.41E-07	1.19E-07	2.16E-03	3.40E-07	1.19E-07

1857	494461.06, 3859201.99	2.07E-03	3.27E-07	1.14E-07	2.12E-03	3.33E-07	1.16E-07	2.11E-03	3.33E-07	1.16E-07
1858	494511.06, 3859201.99	2.04E-03	3.22E-07	1.12E-07	2.08E-03	3.28E-07	1.14E-07	2.08E-03	3.28E-07	1.14E-07
1859	494561.06, 3859201.99	1.99E-03	3.14E-07	1.09E-07	2.03E-03	3.20E-07	1.12E-07	2.03E-03	3.20E-07	1.11E-07
1860	494611.06, 3859201.99	1.95E-03	3.08E-07	1.07E-07	1.99E-03	3.14E-07	1.09E-07	1.99E-03	3.14E-07	1.09E-07
1861	494661.06, 3859201.99	1.92E-03	3.03E-07	1.06E-07	1.96E-03	3.09E-07	1.08E-07	1.96E-03	3.09E-07	1.08E-07
1862	494711.06, 3859201.99	1.89E-03	2.98E-07	1.04E-07	1.93E-03	3.04E-07	1.06E-07	1.93E-03	3.04E-07	1.06E-07
1863	494761.06, 3859201.99	1.85E-03	2.91E-07	1.01E-07	1.88E-03	2.97E-07	1.03E-07	1.88E-03	2.96E-07	1.03E-07
1864	494811.06, 3859201.99	1.81E-03	2.85E-07	9.92E-08	1.84E-03	2.91E-07	1.01E-07	1.84E-03	2.90E-07	1.01E-07
1865	494861.06, 3859201.99	1.76E-03	2.77E-07	9.65E-08	1.79E-03	2.83E-07	9.85E-08	1.79E-03	2.82E-07	9.84E-08
1866	494911.06, 3859201.99	1.71E-03	2.70E-07	9.40E-08	1.75E-03	2.75E-07	9.59E-08	1.75E-03	2.75E-07	9.58E-08
1867	494961.06, 3859201.99	1.66E-03	2.61E-07	9.11E-08	1.69E-03	2.67E-07	9.29E-08	1.69E-03	2.66E-07	9.28E-08
1868	495011.06, 3859201.99	1.59E-03	2.51E-07	8.74E-08	1.63E-03	2.56E-07	8.92E-08	1.62E-03	2.56E-07	8.91E-08
1869	495061.06, 3859201.99	1.61E-03	2.53E-07	8.83E-08	1.64E-03	2.59E-07	9.01E-08	1.64E-03	2.58E-07	9.00E-08
1870	495111.06, 3859201.99	1.60E-03	2.52E-07	8.79E-08	1.63E-03	2.57E-07	8.97E-08	1.63E-03	2.57E-07	8.96E-08
1871	495161.06, 3859201.99	1.59E-03	2.51E-07	8.74E-08	1.62E-03	2.56E-07	8.91E-08	1.62E-03	2.56E-07	8.90E-08
1872	495211.06, 3859201.99	1.57E-03	2.48E-07	8.63E-08	1.61E-03	2.53E-07	8.81E-08	1.60E-03	2.53E-07	8.80E-08
1873	495261.06, 3859201.99	1.57E-03	2.47E-07	8.60E-08	1.60E-03	2.52E-07	8.78E-08	1.60E-03	2.52E-07	8.77E-08
1874	495311.06, 3859201.99	1.56E-03	2.45E-07	8.54E-08	1.59E-03	2.50E-07	8.72E-08	1.59E-03	2.50E-07	8.71E-08
1875	495361.06, 3859201.99	1.55E-03	2.44E-07	8.50E-08	1.58E-03	2.49E-07	8.67E-08	1.58E-03	2.49E-07	8.66E-08
1876	495411.06, 3859201.99	1.55E-03	2.44E-07	8.49E-08	1.58E-03	2.49E-07	8.67E-08	1.58E-03	2.48E-07	8.66E-08
1877	495461.06, 3859201.99	1.53E-03	2.42E-07	8.42E-08	1.56E-03	2.47E-07	8.59E-08	1.56E-03	2.46E-07	8.58E-08
1878	495511.06, 3859201.99	1.52E-03	2.39E-07	8.34E-08	1.55E-03	2.44E-07	8.51E-08	1.55E-03	2.44E-07	8.50E-08
1879	495561.06, 3859201.99	1.50E-03	2.36E-07	8.21E-08	1.53E-03	2.40E-07	8.37E-08	1.52E-03	2.40E-07	8.36E-08
1880	495611.06, 3859201.99	1.48E-03	2.33E-07	8.11E-08	1.51E-03	2.37E-07	8.27E-08	1.51E-03	2.37E-07	8.26E-08
1881	495661.06, 3859201.99	1.46E-03	2.31E-07	8.03E-08	1.49E-03	2.35E-07	8.19E-08	1.49E-03	2.35E-07	8.19E-08
1882	494311.06, 3859251.99	2.29E-03	3.61E-07	1.26E-07	2.34E-03	3.68E-07	1.28E-07	2.33E-03	3.68E-07	1.28E-07
1883	494361.06, 3859251.99	2.25E-03	3.54E-07	1.23E-07	2.30E-03	3.62E-07	1.26E-07	2.29E-03	3.61E-07	1.26E-07
1884	494411.06, 3859251.99	2.20E-03	3.46E-07	1.21E-07	2.24E-03	3.53E-07	1.23E-07	2.24E-03	3.53E-07	1.23E-07
1885	494461.06, 3859251.99	2.16E-03	3.41E-07	1.19E-07	2.21E-03	3.48E-07	1.21E-07	2.20E-03	3.47E-07	1.21E-07
1886	494511.06, 3859251.99	2.11E-03	3.32E-07	1.16E-07	2.15E-03	3.39E-07	1.18E-07	2.15E-03	3.39E-07	1.18E-07
1887	494561.06, 3859251.99	2.07E-03	3.27E-07	1.14E-07	2.12E-03	3.33E-07	1.16E-07	2.11E-03	3.33E-07	1.16E-07
1888	494611.06, 3859251.99	2.03E-03	3.20E-07	1.11E-07	2.07E-03	3.26E-07	1.14E-07	2.07E-03	3.26E-07	1.14E-07
1889	494661.06, 3859251.99	2.00E-03	3.16E-07	1.10E-07	2.04E-03	3.22E-07	1.12E-07	2.04E-03	3.22E-07	1.12E-07
1890	494711.06, 3859251.99	1.97E-03	3.10E-07	1.08E-07	2.01E-03	3.17E-07	1.10E-07	2.01E-03	3.16E-07	1.10E-07
1891	494761.06, 3859251.99	1.89E-03	2.98E-07	1.04E-07	1.93E-03	3.04E-07	1.06E-07	1.93E-03	3.03E-07	1.06E-07
1892	494811.06, 3859251.99	1.88E-03	2.96E-07	1.03E-07	1.92E-03	3.02E-07	1.05E-07	1.92E-03	3.02E-07	1.05E-07
1893	494861.06, 3859251.99	1.81E-03	2.85E-07	9.92E-08	1.84E-03	2.90E-07	1.01E-07	1.84E-03	2.90E-07	1.01E-07
1894	494911.06, 3859251.99	1.76E-03	2.77E-07	9.66E-08	1.80E-03	2.83E-07	9.86E-08	1.79E-03	2.83E-07	9.85E-08
1895	494961.06, 3859251.99	1.73E-03	2.72E-07	9.49E-08	1.76E-03	2.78E-07	9.69E-08	1.76E-03	2.78E-07	9.67E-08
1896	495011.06, 3859251.99	1.69E-03	2.67E-07	9.30E-08	1.73E-03	2.72E-07	9.49E-08	1.73E-03	2.72E-07	9.47E-08
1897	495061.06, 3859251.99	1.69E-03	2.66E-07	9.27E-08	1.72E-03	2.71E-07	9.46E-08	1.72E-03	2.71E-07	9.44E-08
1898	495111.06, 3859251.99	1.67E-03	2.63E-07	9.17E-08	1.70E-03	2.69E-07	9.36E-08	1.70E-03	2.68E-07	9.34E-08
1899	495161.06, 3859251.99	1.66E-03	2.61E-07	9.10E-08	1.69E-03	2.67E-07	9.29E-08	1.69E-03	2.66E-07	9.28E-08
1900	495211.06, 3859251.99	1.64E-03	2.58E-07	9.00E-08	1.67E-03	2.64E-07	9.18E-08	1.67E-03	2.63E-07	9.17E-08
1901	495261.06, 3859251.99	1.62E-03	2.56E-07	8.91E-08	1.66E-03	2.61E-07	9.09E-08	1.65E-03	2.61E-07	9.08E-08
1902	495311.06, 3859251.99	1.62E-03	2.56E-07	8.91E-08	1.66E-03	2.61E-07	9.09E-08	1.65E-03	2.61E-07	9.08E-08
1903	495361.06, 3859251.99	1.61E-03	2.54E-07	8.83E-08	1.64E-03	2.59E-07	9.01E-08	1.64E-03	2.58E-07	9.00E-08
1904	495411.06, 3859251.99	1.61E-03	2.53E-07	8.82E-08	1.64E-03	2.58E-07	9.00E-08	1.64E-03	2.58E-07	8.98E-08
1905	495461.06, 3859251.99	1.59E-03	2.51E-07	8.74E-08	1.62E-03	2.56E-07	8.92E-08	1.62E-03	2.56E-07	8.91E-08
1906	495511.06, 3859251.99	1.57E-03	2.47E-07	8.59E-08	1.60E-03	2.52E-07	8.77E-08	1.60E-03	2.51E-07	8.76E-08
1907	495561.06, 3859251.99	1.55E-03	2.44E-07	8.50E-08	1.58E-03	2.49E-07	8.68E-08	1.58E-03	2.49E-07	8.66E-08
1908	495611.06, 3859251.99	1.53E-03	2.40E-07	8.38E-08	1.56E-03	2.45E-07	8.55E-08	1.56E-03	2.45E-07	8.54E-08
1909	495661.06, 3859251.99	1.51E-03	2.38E-07	8.28E-08	1.54E-03	2.43E-07	8.45E-08	1.54E-03	2.42E-07	8.44E-08
1910	494311.06, 3859301.99	2.40E-03	3.78E-07	1.32E-07	2.45E-03	3.86E-07	1.34E-07	2.45E-03	3.86E-07	1.34E-07
1911	494361.06, 3859301.99	2.36E-03	3.71E-07	1.29E-07	2.40E-03	3.79E-07	1.32E-07	2.40E-03	3.78E-07	1.32E-07
1912	494411.06, 3859301.99	2.30E-03	3.62E-07	1.26E-07	2.35E-03	3.70E-07	1.29E-07	2.34E-03	3.69E-07	1.29E-07
1913	494461.06, 3859301.99	2.24E-03	3.54E-07	1.23E-07	2.29E-03	3.61E-07	1.26E-07	2.29E-03	3.60E-07	1.26E-07
1914	494511.06, 3859301.99	2.20E-03	3.46E-07	1.21E-07	2.24E-03	3.53E-07	1.23E-07	2.24E-03	3.53E-07	1.23E-07
1915	494561.06, 3859301.99	2.16E-03	3.40E-07	1.19E-07	2.20E-03	3.47E-07	1.21E-07	2.20E-03	3.47E-07	1.21E-07
1916	494611.06, 3859301.99	2.12E-03	3.34E-07	1.16E-07	2.16E-03	3.40E-07	1.19E-07	2.16E-03	3.40E-07	1.18E-07
1917	494661.06, 3859301.99	2.08E-03	3.27E-07	1.14E-07	2.12E-03	3.34E-07	1.16E-07	2.12E-03	3.34E-07	1.16E-07
1918	494711.06, 3859301.99	2.03E-03	3.20E-07	1.12E-07	2.07E-03	3.27E-07	1.14E-07	2.07E-03	3.26E-07	1.14E-07

1919	494761.06, 3859301.99	1.99E-03	3.14E-07	1.09E-07	2.03E-03	3.20E-07	1.12E-07	2.03E-03	3.20E-07	1.11E-07
1920	494811.06, 3859301.99	1.94E-03	3.06E-07	1.06E-07	1.98E-03	3.12E-07	1.09E-07	1.98E-03	3.11E-07	1.09E-07
1921	494861.06, 3859301.99	1.87E-03	2.95E-07	1.03E-07	1.91E-03	3.01E-07	1.05E-07	1.91E-03	3.00E-07	1.05E-07
1922	494911.06, 3859301.99	1.83E-03	2.89E-07	1.01E-07	1.87E-03	2.95E-07	1.03E-07	1.87E-03	2.95E-07	1.03E-07
1923	494961.06, 3859301.99	1.77E-03	2.78E-07	9.70E-08	1.80E-03	2.84E-07	9.90E-08	1.80E-03	2.84E-07	9.88E-08
1924	495011.06, 3859301.99	1.74E-03	2.74E-07	9.55E-08	1.78E-03	2.80E-07	9.74E-08	1.77E-03	2.79E-07	9.73E-08
1925	495061.06, 3859301.99	1.75E-03	2.76E-07	9.61E-08	1.79E-03	2.82E-07	9.81E-08	1.79E-03	2.81E-07	9.80E-08
1926	495111.06, 3859301.99	1.72E-03	2.71E-07	9.44E-08	1.76E-03	2.77E-07	9.64E-08	1.75E-03	2.76E-07	9.62E-08
1927	495161.06, 3859301.99	1.71E-03	2.70E-07	9.39E-08	1.75E-03	2.75E-07	9.59E-08	1.74E-03	2.75E-07	9.57E-08
1928	495211.06, 3859301.99	1.71E-03	2.70E-07	9.39E-08	1.75E-03	2.75E-07	9.58E-08	1.74E-03	2.75E-07	9.57E-08
1929	495261.06, 3859301.99	1.70E-03	2.68E-07	9.34E-08	1.74E-03	2.74E-07	9.53E-08	1.73E-03	2.73E-07	9.52E-08
1930	495311.06, 3859301.99	1.68E-03	2.64E-07	9.20E-08	1.71E-03	2.70E-07	9.39E-08	1.71E-03	2.69E-07	9.38E-08
1931	495361.06, 3859301.99	1.67E-03	2.63E-07	9.17E-08	1.70E-03	2.69E-07	9.36E-08	1.70E-03	2.68E-07	9.35E-08
1932	495411.06, 3859301.99	1.66E-03	2.61E-07	9.10E-08	1.69E-03	2.67E-07	9.29E-08	1.69E-03	2.66E-07	9.28E-08
1933	495461.06, 3859301.99	1.65E-03	2.60E-07	9.05E-08	1.68E-03	2.65E-07	9.23E-08	1.68E-03	2.65E-07	9.22E-08
1934	495511.06, 3859301.99	1.63E-03	2.56E-07	8.92E-08	1.66E-03	2.61E-07	9.10E-08	1.66E-03	2.61E-07	9.09E-08
1935	495561.06, 3859301.99	1.59E-03	2.51E-07	8.74E-08	1.62E-03	2.56E-07	8.91E-08	1.62E-03	2.56E-07	8.90E-08
1936	495611.06, 3859301.99	1.57E-03	2.48E-07	8.64E-08	1.61E-03	2.53E-07	8.82E-08	1.60E-03	2.53E-07	8.81E-08
1937	495661.06, 3859301.99	1.56E-03	2.45E-07	8.54E-08	1.59E-03	2.50E-07	8.72E-08	1.59E-03	2.50E-07	8.71E-08
1938	494311.06, 3859351.99	2.50E-03	3.94E-07	1.37E-07	2.55E-03	4.02E-07	1.40E-07	2.55E-03	4.02E-07	1.40E-07
1939	494361.06, 3859351.99	2.45E-03	3.86E-07	1.35E-07	2.50E-03	3.94E-07	1.37E-07	2.50E-03	3.94E-07	1.37E-07
1940	494411.06, 3859351.99	2.39E-03	3.76E-07	1.31E-07	2.44E-03	3.84E-07	1.34E-07	2.43E-03	3.83E-07	1.34E-07
1941	494461.06, 3859351.99	2.33E-03	3.67E-07	1.28E-07	2.38E-03	3.75E-07	1.31E-07	2.38E-03	3.74E-07	1.30E-07
1942	494511.06, 3859351.99	2.28E-03	3.60E-07	1.25E-07	2.33E-03	3.67E-07	1.28E-07	2.33E-03	3.67E-07	1.28E-07
1943	494561.06, 3859351.99	2.25E-03	3.54E-07	1.23E-07	2.29E-03	3.61E-07	1.26E-07	2.29E-03	3.61E-07	1.26E-07
1944	494611.06, 3859351.99	2.20E-03	3.47E-07	1.21E-07	2.25E-03	3.54E-07	1.23E-07	2.25E-03	3.54E-07	1.23E-07
1945	494661.06, 3859351.99	2.16E-03	3.40E-07	1.19E-07	2.20E-03	3.47E-07	1.21E-07	2.20E-03	3.47E-07	1.21E-07
1946	494711.06, 3859351.99	2.11E-03	3.32E-07	1.16E-07	2.15E-03	3.39E-07	1.18E-07	2.15E-03	3.38E-07	1.18E-07
1947	494761.06, 3859351.99	2.04E-03	3.21E-07	1.12E-07	2.08E-03	3.27E-07	1.14E-07	2.08E-03	3.27E-07	1.14E-07
1948	494811.06, 3859351.99	1.97E-03	3.10E-07	1.08E-07	2.01E-03	3.16E-07	1.10E-07	2.01E-03	3.16E-07	1.10E-07
1949	494861.06, 3859351.99	1.93E-03	3.05E-07	1.06E-07	1.97E-03	3.11E-07	1.08E-07	1.97E-03	3.11E-07	1.08E-07
1950	494911.06, 3859351.99	1.91E-03	3.01E-07	1.05E-07	1.95E-03	3.07E-07	1.07E-07	1.95E-03	3.07E-07	1.07E-07
1951	494961.06, 3859351.99	1.87E-03	2.95E-07	1.03E-07	1.91E-03	3.01E-07	1.05E-07	1.91E-03	3.01E-07	1.05E-07
1952	495011.06, 3859351.99	1.84E-03	2.91E-07	1.01E-07	1.88E-03	2.97E-07	1.03E-07	1.88E-03	2.96E-07	1.03E-07
1953	495061.06, 3859351.99	1.85E-03	2.91E-07	1.01E-07	1.89E-03	2.97E-07	1.04E-07	1.88E-03	2.97E-07	1.03E-07
1954	495111.06, 3859351.99	1.82E-03	2.87E-07	9.98E-08	1.86E-03	2.92E-07	1.02E-07	1.85E-03	2.92E-07	1.02E-07
1955	495161.06, 3859351.99	1.80E-03	2.84E-07	9.89E-08	1.84E-03	2.90E-07	1.01E-07	1.84E-03	2.89E-07	1.01E-07
1956	495211.06, 3859351.99	1.78E-03	2.81E-07	9.78E-08	1.82E-03	2.87E-07	9.98E-08	1.82E-03	2.86E-07	9.97E-08
1957	495261.06, 3859351.99	1.77E-03	2.79E-07	9.72E-08	1.81E-03	2.85E-07	9.92E-08	1.81E-03	2.84E-07	9.91E-08
1958	495311.06, 3859351.99	1.75E-03	2.75E-07	9.59E-08	1.78E-03	2.81E-07	9.78E-08	1.78E-03	2.80E-07	9.77E-08
1959	495361.06, 3859351.99	1.73E-03	2.73E-07	9.49E-08	1.77E-03	2.78E-07	9.69E-08	1.76E-03	2.78E-07	9.68E-08
1960	495411.06, 3859351.99	1.72E-03	2.71E-07	9.43E-08	1.75E-03	2.76E-07	9.63E-08	1.75E-03	2.76E-07	9.61E-08
1961	495461.06, 3859351.99	1.71E-03	2.70E-07	9.39E-08	1.75E-03	2.75E-07	9.58E-08	1.74E-03	2.75E-07	9.57E-08
1962	495511.06, 3859351.99	1.68E-03	2.65E-07	9.22E-08	1.71E-03	2.70E-07	9.41E-08	1.71E-03	2.70E-07	9.40E-08
1963	495561.06, 3859351.99	1.66E-03	2.61E-07	9.09E-08	1.69E-03	2.66E-07	9.27E-08	1.69E-03	2.66E-07	9.26E-08
1964	495611.06, 3859351.99	1.64E-03	2.58E-07	8.98E-08	1.67E-03	2.63E-07	9.17E-08	1.67E-03	2.63E-07	9.15E-08
1965	495661.06, 3859351.99	1.61E-03	2.53E-07	8.82E-08	1.64E-03	2.58E-07	9.00E-08	1.64E-03	2.58E-07	8.99E-08
1966	494311.06, 3859401.99	2.62E-03	4.13E-07	1.44E-07	2.67E-03	4.21E-07	1.47E-07	2.67E-03	4.21E-07	1.47E-07
1967	494361.06, 3859401.99	2.55E-03	4.01E-07	1.40E-07	2.60E-03	4.10E-07	1.43E-07	2.60E-03	4.09E-07	1.43E-07
1968	494411.06, 3859401.99	2.48E-03	3.90E-07	1.36E-07	2.53E-03	3.98E-07	1.39E-07	2.52E-03	3.98E-07	1.39E-07
1969	494461.06, 3859401.99	2.42E-03	3.82E-07	1.33E-07	2.47E-03	3.89E-07	1.36E-07	2.47E-03	3.89E-07	1.35E-07
1970	494511.06, 3859401.99	2.38E-03	3.76E-07	1.31E-07	2.43E-03	3.83E-07	1.34E-07	2.43E-03	3.83E-07	1.33E-07
1971	494561.06, 3859401.99	2.34E-03	3.69E-07	1.28E-07	2.39E-03	3.76E-07	1.31E-07	2.39E-03	3.76E-07	1.31E-07
1972	494611.06, 3859401.99	2.29E-03	3.61E-07	1.26E-07	2.34E-03	3.68E-07	1.28E-07	2.33E-03	3.68E-07	1.28E-07
1973	494661.06, 3859401.99	2.25E-03	3.55E-07	1.24E-07	2.30E-03	3.62E-07	1.26E-07	2.29E-03	3.62E-07	1.26E-07
1974	494711.06, 3859401.99	2.21E-03	3.48E-07	1.21E-07	2.25E-03	3.55E-07	1.24E-07	2.25E-03	3.55E-07	1.24E-07
1975	494761.06, 3859401.99	2.12E-03	3.34E-07	1.17E-07	2.17E-03	3.41E-07	1.19E-07	2.16E-03	3.41E-07	1.19E-07
1976	494811.06, 3859401.99	2.08E-03	3.28E-07	1.14E-07	2.12E-03	3.35E-07	1.17E-07	2.12E-03	3.34E-07	1.16E-07
1977	494861.06, 3859401.99	2.02E-03	3.18E-07	1.11E-07	2.06E-03	3.24E-07	1.13E-07	2.06E-03	3.24E-07	1.13E-07
1978	494911.06, 3859401.99	1.97E-03	3.10E-07	1.08E-07	2.01E-03	3.17E-07	1.10E-07	2.01E-03	3.16E-07	1.10E-07
1979	494961.06, 3859401.99	1.95E-03	3.07E-07	1.07E-07	1.99E-03	3.14E-07	1.09E-07	1.99E-03	3.13E-07	1.09E-07
1980	495011.06, 3859401.99	1.93E-03	3.04E-07	1.06E-07	1.97E-03	3.10E-07	1.08E-07	1.97E-03	3.10E-07	1.08E-07

1981	495061.06, 3859401.99	1.91E-03	3.00E-07	1.05E-07	1.95E-03	3.07E-07	1.07E-07	1.94E-03	3.06E-07	1.07E-07
1982	495111.06, 3859401.99	1.87E-03	2.95E-07	1.03E-07	1.91E-03	3.01E-07	1.05E-07	1.91E-03	3.01E-07	1.05E-07
1983	495161.06, 3859401.99	1.87E-03	2.94E-07	1.02E-07	1.90E-03	3.00E-07	1.05E-07	1.90E-03	3.00E-07	1.04E-07
1984	495211.06, 3859401.99	1.86E-03	2.92E-07	1.02E-07	1.89E-03	2.98E-07	1.04E-07	1.89E-03	2.98E-07	1.04E-07
1985	495261.06, 3859401.99	1.84E-03	2.89E-07	1.01E-07	1.87E-03	2.95E-07	1.03E-07	1.87E-03	2.95E-07	1.03E-07
1986	495311.06, 3859401.99	1.82E-03	2.86E-07	9.96E-08	1.85E-03	2.92E-07	1.02E-07	1.85E-03	2.91E-07	1.02E-07
1987	495361.06, 3859401.99	1.81E-03	2.85E-07	9.92E-08	1.84E-03	2.91E-07	1.01E-07	1.84E-03	2.90E-07	1.01E-07
1988	495411.06, 3859401.99	1.79E-03	2.82E-07	9.83E-08	1.83E-03	2.88E-07	1.00E-07	1.83E-03	2.88E-07	1.00E-07
1989	495461.06, 3859401.99	1.77E-03	2.79E-07	9.70E-08	1.80E-03	2.84E-07	9.90E-08	1.80E-03	2.84E-07	9.89E-08
1990	495511.06, 3859401.99	1.74E-03	2.73E-07	9.53E-08	1.77E-03	2.79E-07	9.72E-08	1.77E-03	2.79E-07	9.71E-08
1991	495561.06, 3859401.99	1.70E-03	2.68E-07	9.33E-08	1.73E-03	2.73E-07	9.52E-08	1.73E-03	2.73E-07	9.51E-08
1992	495611.06, 3859401.99	1.68E-03	2.64E-07	9.21E-08	1.71E-03	2.70E-07	9.40E-08	1.71E-03	2.69E-07	9.39E-08
1993	495661.06, 3859401.99	1.66E-03	2.61E-07	9.11E-08	1.69E-03	2.67E-07	9.29E-08	1.69E-03	2.66E-07	9.28E-08
1994	494311.06, 3859451.99	2.71E-03	4.27E-07	1.49E-07	2.77E-03	4.36E-07	1.52E-07	2.76E-03	4.35E-07	1.52E-07
1995	494361.06, 3859451.99	2.64E-03	4.16E-07	1.45E-07	2.70E-03	4.25E-07	1.48E-07	2.69E-03	4.24E-07	1.48E-07
1996	494411.06, 3859451.99	2.55E-03	4.02E-07	1.40E-07	2.60E-03	4.10E-07	1.43E-07	2.60E-03	4.09E-07	1.43E-07
1997	494461.06, 3859451.99	2.51E-03	3.96E-07	1.38E-07	2.57E-03	4.04E-07	1.41E-07	2.56E-03	4.04E-07	1.41E-07
1998	494511.06, 3859451.99	2.46E-03	3.87E-07	1.35E-07	2.51E-03	3.95E-07	1.38E-07	2.51E-03	3.95E-07	1.38E-07
1999	494561.06, 3859451.99	2.41E-03	3.80E-07	1.33E-07	2.46E-03	3.88E-07	1.35E-07	2.46E-03	3.88E-07	1.35E-07
2000	494611.06, 3859451.99	2.39E-03	3.76E-07	1.31E-07	2.43E-03	3.84E-07	1.34E-07	2.43E-03	3.83E-07	1.33E-07
2001	494661.06, 3859451.99	2.33E-03	3.67E-07	1.28E-07	2.38E-03	3.75E-07	1.31E-07	2.38E-03	3.74E-07	1.30E-07
2002	494711.06, 3859451.99	2.28E-03	3.59E-07	1.25E-07	2.32E-03	3.66E-07	1.28E-07	2.32E-03	3.66E-07	1.27E-07
2003	494761.06, 3859451.99	2.23E-03	3.52E-07	1.23E-07	2.28E-03	3.59E-07	1.25E-07	2.27E-03	3.58E-07	1.25E-07
2004	494811.06, 3859451.99	2.17E-03	3.42E-07	1.19E-07	2.21E-03	3.49E-07	1.21E-07	2.21E-03	3.48E-07	1.21E-07
2005	494861.06, 3859451.99	2.12E-03	3.34E-07	1.16E-07	2.16E-03	3.40E-07	1.19E-07	2.16E-03	3.40E-07	1.18E-07
2006	494911.06, 3859451.99	2.08E-03	3.27E-07	1.14E-07	2.12E-03	3.34E-07	1.16E-07	2.12E-03	3.34E-07	1.16E-07
2007	494961.06, 3859451.99	2.05E-03	3.23E-07	1.13E-07	2.09E-03	3.30E-07	1.15E-07	2.09E-03	3.29E-07	1.15E-07
2008	495011.06, 3859451.99	2.02E-03	3.18E-07	1.11E-07	2.06E-03	3.25E-07	1.13E-07	2.06E-03	3.25E-07	1.13E-07
2009	495061.06, 3859451.99	1.99E-03	3.14E-07	1.09E-07	2.03E-03	3.20E-07	1.12E-07	2.03E-03	3.20E-07	1.11E-07
2010	495111.06, 3859451.99	1.96E-03	3.09E-07	1.08E-07	2.00E-03	3.15E-07	1.10E-07	2.00E-03	3.15E-07	1.10E-07
2011	495161.06, 3859451.99	1.94E-03	3.06E-07	1.07E-07	1.98E-03	3.13E-07	1.09E-07	1.98E-03	3.12E-07	1.09E-07
2012	495211.06, 3859451.99	1.93E-03	3.04E-07	1.06E-07	1.97E-03	3.10E-07	1.08E-07	1.97E-03	3.10E-07	1.08E-07
2013	495261.06, 3859451.99	1.92E-03	3.02E-07	1.05E-07	1.96E-03	3.08E-07	1.07E-07	1.95E-03	3.08E-07	1.07E-07
2014	495311.06, 3859451.99	1.89E-03	2.98E-07	1.04E-07	1.93E-03	3.04E-07	1.06E-07	1.93E-03	3.04E-07	1.06E-07
2015	495361.06, 3859451.99	1.87E-03	2.95E-07	1.03E-07	1.91E-03	3.01E-07	1.05E-07	1.91E-03	3.01E-07	1.05E-07
2016	495411.06, 3859451.99	1.85E-03	2.91E-07	1.01E-07	1.89E-03	2.97E-07	1.04E-07	1.88E-03	2.97E-07	1.03E-07
2017	495461.06, 3859451.99	1.83E-03	2.88E-07	1.00E-07	1.87E-03	2.94E-07	1.02E-07	1.86E-03	2.94E-07	1.02E-07
2018	495511.06, 3859451.99	1.79E-03	2.82E-07	9.82E-08	1.83E-03	2.88E-07	1.00E-07	1.82E-03	2.87E-07	1.00E-07
2019	495561.06, 3859451.99	1.76E-03	2.78E-07	9.68E-08	1.80E-03	2.84E-07	9.88E-08	1.80E-03	2.83E-07	9.87E-08
2020	495611.06, 3859451.99	1.74E-03	2.74E-07	9.55E-08	1.77E-03	2.80E-07	9.74E-08	1.77E-03	2.79E-07	9.73E-08
2021	495661.06, 3859451.99	1.72E-03	2.70E-07	9.42E-08	1.75E-03	2.76E-07	9.61E-08	1.75E-03	2.76E-07	9.60E-08
2022	494311.06, 3859501.99	2.82E-03	4.44E-07	1.55E-07	2.87E-03	4.53E-07	1.58E-07	2.87E-03	4.52E-07	1.58E-07
2023	494361.06, 3859501.99	2.74E-03	4.32E-07	1.50E-07	2.80E-03	4.41E-07	1.54E-07	2.79E-03	4.40E-07	1.53E-07
2024	494411.06, 3859501.99	2.62E-03	4.13E-07	1.44E-07	2.68E-03	4.22E-07	1.47E-07	2.67E-03	4.21E-07	1.47E-07
2025	494461.06, 3859501.99	2.61E-03	4.12E-07	1.43E-07	2.67E-03	4.20E-07	1.46E-07	2.66E-03	4.20E-07	1.46E-07
2026	494511.06, 3859501.99	2.55E-03	4.02E-07	1.40E-07	2.60E-03	4.10E-07	1.43E-07	2.60E-03	4.09E-07	1.43E-07
2027	494561.06, 3859501.99	2.49E-03	3.93E-07	1.37E-07	2.55E-03	4.01E-07	1.40E-07	2.54E-03	4.00E-07	1.40E-07
2028	494611.06, 3859501.99	2.49E-03	3.92E-07	1.37E-07	2.54E-03	4.00E-07	1.39E-07	2.54E-03	3.99E-07	1.39E-07
2029	494661.06, 3859501.99	2.42E-03	3.81E-07	1.33E-07	2.47E-03	3.89E-07	1.36E-07	2.47E-03	3.89E-07	1.35E-07
2030	494711.06, 3859501.99	2.35E-03	3.69E-07	1.29E-07	2.39E-03	3.77E-07	1.31E-07	2.39E-03	3.77E-07	1.31E-07
2031	494761.06, 3859501.99	2.32E-03	3.66E-07	1.28E-07	2.37E-03	3.74E-07	1.30E-07	2.37E-03	3.73E-07	1.30E-07
2032	494811.06, 3859501.99	2.24E-03	3.52E-07	1.23E-07	2.28E-03	3.59E-07	1.25E-07	2.28E-03	3.59E-07	1.25E-07
2033	494861.06, 3859501.99	2.20E-03	3.46E-07	1.21E-07	2.24E-03	3.53E-07	1.23E-07	2.24E-03	3.53E-07	1.23E-07
2034	494911.06, 3859501.99	2.17E-03	3.42E-07	1.19E-07	2.21E-03	3.49E-07	1.22E-07	2.21E-03	3.48E-07	1.21E-07
2035	494961.06, 3859501.99	2.12E-03	3.35E-07	1.17E-07	2.17E-03	3.42E-07	1.19E-07	2.17E-03	3.41E-07	1.19E-07
2036	495011.06, 3859501.99	2.10E-03	3.31E-07	1.15E-07	2.14E-03	3.38E-07	1.18E-07	2.14E-03	3.37E-07	1.17E-07
2037	495061.06, 3859501.99	2.08E-03	3.27E-07	1.14E-07	2.12E-03	3.34E-07	1.16E-07	2.12E-03	3.33E-07	1.16E-07
2038	495111.06, 3859501.99	2.04E-03	3.21E-07	1.12E-07	2.08E-03	3.27E-07	1.14E-07	2.07E-03	3.27E-07	1.14E-07
2039	495161.06, 3859501.99	2.01E-03	3.17E-07	1.11E-07	2.06E-03	3.24E-07	1.13E-07	2.05E-03	3.23E-07	1.13E-07
2040	495211.06, 3859501.99	2.00E-03	3.15E-07	1.10E-07	2.04E-03	3.22E-07	1.12E-07	2.04E-03	3.21E-07	1.12E-07
2041	495261.06, 3859501.99	1.98E-03	3.12E-07	1.09E-07	2.02E-03	3.18E-07	1.11E-07	2.02E-03	3.18E-07	1.11E-07
2042	495311.06, 3859501.99	1.96E-03	3.09E-07	1.08E-07	2.00E-03	3.15E-07	1.10E-07	2.00E-03	3.15E-07	1.10E-07

2043	495361.06, 3859501.99	1.94E-03	3.05E-07	1.06E-07	1.98E-03	3.12E-07	1.09E-07	1.98E-03	3.11E-07	1.08E-07
2044	495411.06, 3859501.99	1.92E-03	3.02E-07	1.05E-07	1.96E-03	3.08E-07	1.07E-07	1.95E-03	3.08E-07	1.07E-07
2045	495461.06, 3859501.99	1.89E-03	2.98E-07	1.04E-07	1.93E-03	3.04E-07	1.06E-07	1.93E-03	3.04E-07	1.06E-07
2046	495511.06, 3859501.99	1.84E-03	2.89E-07	1.01E-07	1.87E-03	2.95E-07	1.03E-07	1.87E-03	2.95E-07	1.03E-07
2047	495561.06, 3859501.99	1.83E-03	2.88E-07	1.00E-07	1.87E-03	2.94E-07	1.02E-07	1.86E-03	2.93E-07	1.02E-07
2048	495611.06, 3859501.99	1.80E-03	2.84E-07	9.88E-08	1.84E-03	2.89E-07	1.01E-07	1.83E-03	2.89E-07	1.01E-07
2049	495661.06, 3859501.99	1.77E-03	2.79E-07	9.71E-08	1.81E-03	2.84E-07	9.91E-08	1.80E-03	2.84E-07	9.90E-08
2050	494311.06, 3859551.99	2.92E-03	4.59E-07	1.60E-07	2.98E-03	4.69E-07	1.63E-07	2.97E-03	4.68E-07	1.63E-07
2051	494361.06, 3859551.99	2.81E-03	4.43E-07	1.54E-07	2.87E-03	4.52E-07	1.57E-07	2.87E-03	4.51E-07	1.57E-07
2052	494411.06, 3859551.99	2.69E-03	4.24E-07	1.48E-07	2.75E-03	4.33E-07	1.51E-07	2.74E-03	4.32E-07	1.51E-07
2053	494461.06, 3859551.99	2.70E-03	4.26E-07	1.48E-07	2.76E-03	4.34E-07	1.51E-07	2.75E-03	4.34E-07	1.51E-07
2054	494511.06, 3859551.99	2.64E-03	4.15E-07	1.45E-07	2.69E-03	4.24E-07	1.48E-07	2.69E-03	4.23E-07	1.47E-07
2055	494561.06, 3859551.99	2.58E-03	4.07E-07	1.42E-07	2.64E-03	4.16E-07	1.45E-07	2.63E-03	4.15E-07	1.45E-07
2056	494611.06, 3859551.99	2.55E-03	4.02E-07	1.40E-07	2.60E-03	4.10E-07	1.43E-07	2.60E-03	4.10E-07	1.43E-07
2057	494661.06, 3859551.99	2.51E-03	3.95E-07	1.38E-07	2.56E-03	4.03E-07	1.41E-07	2.56E-03	4.03E-07	1.40E-07
2058	494711.06, 3859551.99	2.40E-03	3.77E-07	1.32E-07	2.45E-03	3.85E-07	1.34E-07	2.44E-03	3.85E-07	1.34E-07
2059	494761.06, 3859551.99	2.41E-03	3.79E-07	1.32E-07	2.45E-03	3.87E-07	1.35E-07	2.45E-03	3.86E-07	1.35E-07
2060	494811.06, 3859551.99	2.32E-03	3.66E-07	1.28E-07	2.37E-03	3.74E-07	1.30E-07	2.37E-03	3.73E-07	1.30E-07
2061	494861.06, 3859551.99	2.29E-03	3.60E-07	1.25E-07	2.33E-03	3.67E-07	1.28E-07	2.33E-03	3.67E-07	1.28E-07
2062	494911.06, 3859551.99	2.24E-03	3.53E-07	1.23E-07	2.29E-03	3.60E-07	1.25E-07	2.28E-03	3.60E-07	1.25E-07
2063	494961.06, 3859551.99	2.21E-03	3.49E-07	1.21E-07	2.26E-03	3.56E-07	1.24E-07	2.26E-03	3.55E-07	1.24E-07
2064	495011.06, 3859551.99	2.19E-03	3.45E-07	1.20E-07	2.24E-03	3.52E-07	1.23E-07	2.23E-03	3.52E-07	1.23E-07
2065	495061.06, 3859551.99	2.16E-03	3.40E-07	1.18E-07	2.20E-03	3.47E-07	1.21E-07	2.20E-03	3.46E-07	1.21E-07
2066	495111.06, 3859551.99	2.12E-03	3.33E-07	1.16E-07	2.16E-03	3.40E-07	1.18E-07	2.16E-03	3.40E-07	1.18E-07
2067	495161.06, 3859551.99	2.10E-03	3.30E-07	1.15E-07	2.14E-03	3.37E-07	1.17E-07	2.14E-03	3.36E-07	1.17E-07
2068	495211.06, 3859551.99	2.08E-03	3.28E-07	1.14E-07	2.12E-03	3.35E-07	1.17E-07	2.12E-03	3.34E-07	1.16E-07
2069	495261.06, 3859551.99	2.05E-03	3.23E-07	1.12E-07	2.09E-03	3.29E-07	1.15E-07	2.09E-03	3.29E-07	1.15E-07
2070	495311.06, 3859551.99	2.02E-03	3.18E-07	1.11E-07	2.06E-03	3.25E-07	1.13E-07	2.06E-03	3.25E-07	1.13E-07
2071	495361.06, 3859551.99	2.00E-03	3.15E-07	1.10E-07	2.04E-03	3.21E-07	1.12E-07	2.04E-03	3.21E-07	1.12E-07
2072	495411.06, 3859551.99	1.98E-03	3.12E-07	1.09E-07	2.02E-03	3.18E-07	1.11E-07	2.02E-03	3.18E-07	1.11E-07
2073	495461.06, 3859551.99	1.94E-03	3.06E-07	1.07E-07	1.98E-03	3.12E-07	1.09E-07	1.98E-03	3.12E-07	1.09E-07
2074	495511.06, 3859551.99	1.90E-03	3.00E-07	1.04E-07	1.94E-03	3.06E-07	1.07E-07	1.94E-03	3.06E-07	1.06E-07
2075	495561.06, 3859551.99	1.88E-03	2.96E-07	1.03E-07	1.92E-03	3.02E-07	1.05E-07	1.91E-03	3.02E-07	1.05E-07
2076	495611.06, 3859551.99	1.85E-03	2.92E-07	1.02E-07	1.89E-03	2.98E-07	1.04E-07	1.89E-03	2.98E-07	1.04E-07
2077	495661.06, 3859551.99	1.82E-03	2.87E-07	1.00E-07	1.86E-03	2.93E-07	1.02E-07	1.86E-03	2.93E-07	1.02E-07
2078	494311.06, 3859601.99	3.03E-03	4.77E-07	1.66E-07	3.09E-03	4.87E-07	1.70E-07	3.09E-03	4.86E-07	1.69E-07
2079	494361.06, 3859601.99	2.88E-03	4.53E-07	1.58E-07	2.94E-03	4.63E-07	1.61E-07	2.93E-03	4.62E-07	1.61E-07
2080	494411.06, 3859601.99	2.80E-03	4.41E-07	1.53E-07	2.85E-03	4.50E-07	1.57E-07	2.85E-03	4.49E-07	1.56E-07
2081	494461.06, 3859601.99	2.79E-03	4.40E-07	1.53E-07	2.85E-03	4.49E-07	1.57E-07	2.85E-03	4.49E-07	1.56E-07
2082	494511.06, 3859601.99	2.70E-03	4.26E-07	1.48E-07	2.76E-03	4.34E-07	1.51E-07	2.75E-03	4.34E-07	1.51E-07
2083	494561.06, 3859601.99	2.69E-03	4.23E-07	1.48E-07	2.74E-03	4.32E-07	1.51E-07	2.74E-03	4.32E-07	1.50E-07
2084	494611.06, 3859601.99	2.66E-03	4.19E-07	1.46E-07	2.71E-03	4.27E-07	1.49E-07	2.71E-03	4.27E-07	1.49E-07
2085	494661.06, 3859601.99	2.56E-03	4.03E-07	1.40E-07	2.61E-03	4.11E-07	1.43E-07	2.60E-03	4.10E-07	1.43E-07
2086	494711.06, 3859601.99	2.48E-03	3.90E-07	1.36E-07	2.53E-03	3.98E-07	1.39E-07	2.53E-03	3.98E-07	1.39E-07
2087	494761.06, 3859601.99	2.51E-03	3.95E-07	1.38E-07	2.56E-03	4.03E-07	1.40E-07	2.55E-03	4.02E-07	1.40E-07
2088	494811.06, 3859601.99	2.42E-03	3.81E-07	1.33E-07	2.47E-03	3.89E-07	1.35E-07	2.46E-03	3.88E-07	1.35E-07
2089	494861.06, 3859601.99	2.38E-03	3.75E-07	1.31E-07	2.43E-03	3.83E-07	1.33E-07	2.43E-03	3.82E-07	1.33E-07
2090	494911.06, 3859601.99	2.32E-03	3.65E-07	1.27E-07	2.36E-03	3.72E-07	1.30E-07	2.36E-03	3.72E-07	1.30E-07
2091	494961.06, 3859601.99	2.31E-03	3.65E-07	1.27E-07	2.36E-03	3.72E-07	1.30E-07	2.36E-03	3.72E-07	1.29E-07
2092	495011.06, 3859601.99	2.25E-03	3.54E-07	1.23E-07	2.30E-03	3.62E-07	1.26E-07	2.29E-03	3.61E-07	1.26E-07
2093	495061.06, 3859601.99	2.24E-03	3.52E-07	1.23E-07	2.28E-03	3.59E-07	1.25E-07	2.28E-03	3.59E-07	1.25E-07
2094	495111.06, 3859601.99	2.19E-03	3.45E-07	1.20E-07	2.23E-03	3.52E-07	1.23E-07	2.23E-03	3.51E-07	1.22E-07
2095	495161.06, 3859601.99	2.17E-03	3.42E-07	1.19E-07	2.21E-03	3.49E-07	1.22E-07	2.21E-03	3.48E-07	1.21E-07
2096	495211.06, 3859601.99	2.14E-03	3.37E-07	1.18E-07	2.19E-03	3.44E-07	1.20E-07	2.18E-03	3.44E-07	1.20E-07
2097	495261.06, 3859601.99	2.12E-03	3.34E-07	1.16E-07	2.16E-03	3.41E-07	1.19E-07	2.16E-03	3.40E-07	1.19E-07
2098	495311.06, 3859601.99	2.10E-03	3.31E-07	1.15E-07	2.14E-03	3.37E-07	1.17E-07	2.14E-03	3.37E-07	1.17E-07
2099	495361.06, 3859601.99	2.07E-03	3.26E-07	1.14E-07	2.11E-03	3.32E-07	1.16E-07	2.11E-03	3.32E-07	1.16E-07
2100	495411.06, 3859601.99	2.05E-03	3.22E-07	1.12E-07	2.09E-03	3.29E-07	1.15E-07	2.09E-03	3.29E-07	1.15E-07
2101	495461.06, 3859601.99	2.00E-03	3.15E-07	1.10E-07	2.04E-03	3.21E-07	1.12E-07	2.04E-03	3.21E-07	1.12E-07
2102	495511.06, 3859601.99	1.96E-03	3.08E-07	1.07E-07	2.00E-03	3.14E-07	1.10E-07	1.99E-03	3.14E-07	1.09E-07
2103	495561.06, 3859601.99	1.94E-03	3.06E-07	1.07E-07	1.98E-03	3.12E-07	1.09E-07	1.98E-03	3.12E-07	1.09E-07
2104	495611.06, 3859601.99	1.90E-03	2.99E-07	1.04E-07	1.93E-03	3.05E-07	1.06E-07	1.93E-03	3.04E-07	1.06E-07

2105	495661.06, 3859601.99	1.88E-03	2.96E-07	1.03E-07	1.92E-03	3.02E-07	1.05E-07	1.91E-03	3.01E-07	1.05E-07
2106	494311.06, 3859651.99	3.10E-03	4.88E-07	1.70E-07	3.16E-03	4.98E-07	1.74E-07	3.16E-03	4.98E-07	1.73E-07
2107	494361.06, 3859651.99	2.96E-03	4.66E-07	1.62E-07	3.02E-03	4.75E-07	1.66E-07	3.01E-03	4.75E-07	1.65E-07
2108	494411.06, 3859651.99	2.90E-03	4.57E-07	1.59E-07	2.96E-03	4.66E-07	1.62E-07	2.95E-03	4.65E-07	1.62E-07
2109	494461.06, 3859651.99	2.89E-03	4.56E-07	1.59E-07	2.95E-03	4.65E-07	1.62E-07	2.95E-03	4.64E-07	1.62E-07
2110	494511.06, 3859651.99	2.83E-03	4.46E-07	1.55E-07	2.89E-03	4.55E-07	1.58E-07	2.88E-03	4.54E-07	1.58E-07
2111	494561.06, 3859651.99	2.79E-03	4.39E-07	1.53E-07	2.85E-03	4.48E-07	1.56E-07	2.84E-03	4.48E-07	1.56E-07
2112	494611.06, 3859651.99	2.74E-03	4.32E-07	1.51E-07	2.80E-03	4.41E-07	1.54E-07	2.80E-03	4.41E-07	1.54E-07
2113	494661.06, 3859651.99	2.62E-03	4.13E-07	1.44E-07	2.68E-03	4.22E-07	1.47E-07	2.67E-03	4.21E-07	1.47E-07
2114	494711.06, 3859651.99	2.59E-03	4.07E-07	1.42E-07	2.64E-03	4.16E-07	1.45E-07	2.64E-03	4.15E-07	1.45E-07
2115	494761.06, 3859651.99	2.57E-03	4.05E-07	1.41E-07	2.62E-03	4.13E-07	1.44E-07	2.62E-03	4.12E-07	1.44E-07
2116	494811.06, 3859651.99	2.50E-03	3.95E-07	1.37E-07	2.56E-03	4.03E-07	1.40E-07	2.55E-03	4.02E-07	1.40E-07
2117	494861.06, 3859651.99	2.47E-03	3.89E-07	1.36E-07	2.52E-03	3.97E-07	1.38E-07	2.52E-03	3.97E-07	1.38E-07
2118	494911.06, 3859651.99	2.42E-03	3.82E-07	1.33E-07	2.47E-03	3.90E-07	1.36E-07	2.47E-03	3.89E-07	1.36E-07
2119	494961.06, 3859651.99	2.39E-03	3.76E-07	1.31E-07	2.44E-03	3.84E-07	1.34E-07	2.43E-03	3.84E-07	1.34E-07
2120	495011.06, 3859651.99	2.35E-03	3.70E-07	1.29E-07	2.40E-03	3.77E-07	1.31E-07	2.39E-03	3.77E-07	1.31E-07
2121	495061.06, 3859651.99	2.32E-03	3.66E-07	1.27E-07	2.37E-03	3.73E-07	1.30E-07	2.37E-03	3.73E-07	1.30E-07
2122	495111.06, 3859651.99	2.28E-03	3.59E-07	1.25E-07	2.32E-03	3.66E-07	1.28E-07	2.32E-03	3.66E-07	1.27E-07
2123	495161.06, 3859651.99	2.25E-03	3.54E-07	1.23E-07	2.29E-03	3.61E-07	1.26E-07	2.29E-03	3.61E-07	1.26E-07
2124	495211.06, 3859651.99	2.22E-03	3.50E-07	1.22E-07	2.27E-03	3.57E-07	1.24E-07	2.26E-03	3.56E-07	1.24E-07
2125	495261.06, 3859651.99	2.19E-03	3.45E-07	1.20E-07	2.23E-03	3.52E-07	1.23E-07	2.23E-03	3.51E-07	1.22E-07
2126	495311.06, 3859651.99	2.16E-03	3.40E-07	1.19E-07	2.20E-03	3.47E-07	1.21E-07	2.20E-03	3.47E-07	1.21E-07
2127	495361.06, 3859651.99	2.14E-03	3.36E-07	1.17E-07	2.18E-03	3.43E-07	1.20E-07	2.18E-03	3.43E-07	1.19E-07
2128	495411.06, 3859651.99	2.11E-03	3.32E-07	1.16E-07	2.15E-03	3.38E-07	1.18E-07	2.15E-03	3.38E-07	1.18E-07
2129	495461.06, 3859651.99	2.06E-03	3.24E-07	1.13E-07	2.10E-03	3.31E-07	1.15E-07	2.10E-03	3.30E-07	1.15E-07
2130	495511.06, 3859651.99	2.01E-03	3.17E-07	1.11E-07	2.06E-03	3.24E-07	1.13E-07	2.05E-03	3.24E-07	1.13E-07
2131	495561.06, 3859651.99	1.99E-03	3.14E-07	1.09E-07	2.03E-03	3.20E-07	1.12E-07	2.03E-03	3.20E-07	1.11E-07
2132	495611.06, 3859651.99	1.96E-03	3.09E-07	1.08E-07	2.00E-03	3.15E-07	1.10E-07	2.00E-03	3.15E-07	1.10E-07
2133	495661.06, 3859651.99	1.93E-03	3.04E-07	1.06E-07	1.97E-03	3.10E-07	1.08E-07	1.96E-03	3.10E-07	1.08E-07
2134	494311.06, 3859701.99	3.08E-03	4.85E-07	1.69E-07	3.14E-03	4.95E-07	1.72E-07	3.14E-03	4.94E-07	1.72E-07
2135	494361.06, 3859701.99	3.01E-03	4.75E-07	1.65E-07	3.07E-03	4.84E-07	1.69E-07	3.07E-03	4.84E-07	1.69E-07
2136	494411.06, 3859701.99	2.97E-03	4.69E-07	1.63E-07	3.04E-03	4.78E-07	1.67E-07	3.03E-03	4.78E-07	1.66E-07
2137	494461.06, 3859701.99	2.99E-03	4.70E-07	1.64E-07	3.05E-03	4.80E-07	1.67E-07	3.04E-03	4.79E-07	1.67E-07
2138	494511.06, 3859701.99	2.93E-03	4.61E-07	1.61E-07	2.99E-03	4.71E-07	1.64E-07	2.98E-03	4.70E-07	1.64E-07
2139	494561.06, 3859701.99	2.89E-03	4.55E-07	1.58E-07	2.95E-03	4.64E-07	1.62E-07	2.94E-03	4.64E-07	1.62E-07
2140	494611.06, 3859701.99	2.84E-03	4.48E-07	1.56E-07	2.90E-03	4.57E-07	1.59E-07	2.90E-03	4.57E-07	1.59E-07
2141	494661.06, 3859701.99	2.72E-03	4.28E-07	1.49E-07	2.77E-03	4.36E-07	1.52E-07	2.77E-03	4.36E-07	1.52E-07
2142	494711.06, 3859701.99	2.70E-03	4.25E-07	1.48E-07	2.75E-03	4.33E-07	1.51E-07	2.75E-03	4.33E-07	1.51E-07
2143	494761.06, 3859701.99	2.63E-03	4.15E-07	1.45E-07	2.69E-03	4.24E-07	1.48E-07	2.69E-03	4.23E-07	1.47E-07
2144	494811.06, 3859701.99	2.57E-03	4.06E-07	1.41E-07	2.63E-03	4.14E-07	1.44E-07	2.62E-03	4.13E-07	1.44E-07
2145	494861.06, 3859701.99	2.56E-03	4.03E-07	1.41E-07	2.61E-03	4.12E-07	1.43E-07	2.61E-03	4.11E-07	1.43E-07
2146	494911.06, 3859701.99	2.51E-03	3.96E-07	1.38E-07	2.56E-03	4.04E-07	1.41E-07	2.56E-03	4.03E-07	1.40E-07
2147	494961.06, 3859701.99	2.46E-03	3.88E-07	1.35E-07	2.51E-03	3.96E-07	1.38E-07	2.51E-03	3.96E-07	1.38E-07
2148	495011.06, 3859701.99	2.44E-03	3.84E-07	1.34E-07	2.48E-03	3.91E-07	1.36E-07	2.48E-03	3.91E-07	1.36E-07
2149	495061.06, 3859701.99	2.40E-03	3.78E-07	1.32E-07	2.45E-03	3.85E-07	1.34E-07	2.44E-03	3.85E-07	1.34E-07
2150	495111.06, 3859701.99	2.36E-03	3.71E-07	1.29E-07	2.41E-03	3.79E-07	1.32E-07	2.40E-03	3.79E-07	1.32E-07
2151	495161.06, 3859701.99	2.32E-03	3.65E-07	1.27E-07	2.36E-03	3.72E-07	1.30E-07	2.36E-03	3.72E-07	1.30E-07
2152	495211.06, 3859701.99	2.27E-03	3.58E-07	1.25E-07	2.32E-03	3.66E-07	1.27E-07	2.32E-03	3.65E-07	1.27E-07
2153	495261.06, 3859701.99	2.26E-03	3.56E-07	1.24E-07	2.31E-03	3.63E-07	1.27E-07	2.30E-03	3.63E-07	1.26E-07
2154	495311.06, 3859701.99	2.22E-03	3.50E-07	1.22E-07	2.27E-03	3.57E-07	1.24E-07	2.26E-03	3.57E-07	1.24E-07
2155	495361.06, 3859701.99	2.19E-03	3.45E-07	1.20E-07	2.23E-03	3.52E-07	1.23E-07	2.23E-03	3.51E-07	1.22E-07
2156	495411.06, 3859701.99	2.14E-03	3.38E-07	1.18E-07	2.19E-03	3.45E-07	1.20E-07	2.18E-03	3.44E-07	1.20E-07
2157	495461.06, 3859701.99	2.11E-03	3.32E-07	1.16E-07	2.15E-03	3.39E-07	1.18E-07	2.15E-03	3.39E-07	1.18E-07
2158	495511.06, 3859701.99	2.05E-03	3.23E-07	1.13E-07	2.09E-03	3.30E-07	1.15E-07	2.09E-03	3.29E-07	1.15E-07
2159	495561.06, 3859701.99	2.04E-03	3.22E-07	1.12E-07	2.09E-03	3.29E-07	1.14E-07	2.08E-03	3.28E-07	1.14E-07
2160	495611.06, 3859701.99	2.01E-03	3.17E-07	1.11E-07	2.05E-03	3.24E-07	1.13E-07	2.05E-03	3.23E-07	1.13E-07
2161	495661.06, 3859701.99	1.98E-03	3.12E-07	1.09E-07	2.02E-03	3.18E-07	1.11E-07	2.02E-03	3.18E-07	1.11E-07
2162	494311.06, 3859751.99	3.20E-03	5.05E-07	1.76E-07	3.27E-03	5.15E-07	1.79E-07	3.27E-03	5.14E-07	1.79E-07
2163	494361.06, 3859751.99	3.14E-03	4.95E-07	1.72E-07	3.20E-03	5.05E-07	1.76E-07	3.20E-03	5.04E-07	1.76E-07
2164	494411.06, 3859751.99	3.07E-03	4.83E-07	1.68E-07	3.13E-03	4.93E-07	1.72E-07	3.13E-03	4.92E-07	1.72E-07
2165	494461.06, 3859751.99	3.06E-03	4.82E-07	1.68E-07	3.12E-03	4.92E-07	1.71E-07	3.12E-03	4.92E-07	1.71E-07
2166	494511.06, 3859751.99	3.04E-03	4.78E-07	1.67E-07	3.10E-03	4.88E-07	1.70E-07	3.09E-03	4.88E-07	1.70E-07

2167	494561.06, 3859751.99	2.98E-03	4.69E-07	1.64E-07	3.04E-03	4.79E-07	1.67E-07	3.04E-03	4.78E-07	1.67E-07
2168	494611.06, 3859751.99	2.91E-03	4.58E-07	1.60E-07	2.97E-03	4.68E-07	1.63E-07	2.97E-03	4.67E-07	1.63E-07
2169	494661.06, 3859751.99	2.80E-03	4.41E-07	1.54E-07	2.85E-03	4.50E-07	1.57E-07	2.85E-03	4.49E-07	1.56E-07
2170	494711.06, 3859751.99	2.79E-03	4.39E-07	1.53E-07	2.84E-03	4.48E-07	1.56E-07	2.84E-03	4.47E-07	1.56E-07
2171	494761.06, 3859751.99	2.75E-03	4.33E-07	1.51E-07	2.80E-03	4.42E-07	1.54E-07	2.80E-03	4.41E-07	1.54E-07
2172	494811.06, 3859751.99	2.69E-03	4.24E-07	1.48E-07	2.74E-03	4.32E-07	1.51E-07	2.74E-03	4.32E-07	1.50E-07
2173	494861.06, 3859751.99	2.65E-03	4.17E-07	1.45E-07	2.70E-03	4.25E-07	1.48E-07	2.70E-03	4.25E-07	1.48E-07
2174	494911.06, 3859751.99	2.60E-03	4.10E-07	1.43E-07	2.66E-03	4.19E-07	1.46E-07	2.65E-03	4.18E-07	1.46E-07
2175	494961.06, 3859751.99	2.56E-03	4.04E-07	1.41E-07	2.61E-03	4.12E-07	1.43E-07	2.61E-03	4.11E-07	1.43E-07
2176	495011.06, 3859751.99	2.52E-03	3.97E-07	1.38E-07	2.57E-03	4.05E-07	1.41E-07	2.57E-03	4.04E-07	1.41E-07
2177	495061.06, 3859751.99	2.49E-03	3.92E-07	1.36E-07	2.54E-03	4.00E-07	1.39E-07	2.53E-03	3.99E-07	1.39E-07
2178	495111.06, 3859751.99	2.44E-03	3.85E-07	1.34E-07	2.49E-03	3.93E-07	1.37E-07	2.49E-03	3.93E-07	1.37E-07
2179	495161.06, 3859751.99	2.40E-03	3.78E-07	1.32E-07	2.45E-03	3.86E-07	1.34E-07	2.45E-03	3.85E-07	1.34E-07
2180	495211.06, 3859751.99	2.35E-03	3.71E-07	1.29E-07	2.40E-03	3.79E-07	1.32E-07	2.40E-03	3.78E-07	1.32E-07
2181	495261.06, 3859751.99	2.32E-03	3.66E-07	1.28E-07	2.37E-03	3.74E-07	1.30E-07	2.37E-03	3.73E-07	1.30E-07
2182	495311.06, 3859751.99	2.29E-03	3.60E-07	1.25E-07	2.33E-03	3.67E-07	1.28E-07	2.33E-03	3.67E-07	1.28E-07
2183	495361.06, 3859751.99	2.25E-03	3.54E-07	1.23E-07	2.30E-03	3.62E-07	1.26E-07	2.29E-03	3.61E-07	1.26E-07
2184	495411.06, 3859751.99	2.22E-03	3.49E-07	1.22E-07	2.26E-03	3.56E-07	1.24E-07	2.26E-03	3.56E-07	1.24E-07
2185	495461.06, 3859751.99	2.17E-03	3.42E-07	1.19E-07	2.21E-03	3.49E-07	1.21E-07	2.21E-03	3.48E-07	1.21E-07
2186	495511.06, 3859751.99	2.12E-03	3.35E-07	1.17E-07	2.17E-03	3.41E-07	1.19E-07	2.16E-03	3.41E-07	1.19E-07
2187	495561.06, 3859751.99	2.09E-03	3.29E-07	1.15E-07	2.13E-03	3.36E-07	1.17E-07	2.13E-03	3.36E-07	1.17E-07
2188	495611.06, 3859751.99	2.06E-03	3.25E-07	1.13E-07	2.10E-03	3.31E-07	1.15E-07	2.10E-03	3.31E-07	1.15E-07
2189	495661.06, 3859751.99	2.04E-03	3.21E-07	1.12E-07	2.08E-03	3.27E-07	1.14E-07	2.08E-03	3.27E-07	1.14E-07
2190	494311.06, 3859801.99	3.32E-03	5.24E-07	1.82E-07	3.39E-03	5.34E-07	1.86E-07	3.39E-03	5.34E-07	1.86E-07
2191	494361.06, 3859801.99	3.23E-03	5.10E-07	1.78E-07	3.30E-03	5.20E-07	1.81E-07	3.30E-03	5.19E-07	1.81E-07
2192	494411.06, 3859801.99	3.14E-03	4.95E-07	1.72E-07	3.21E-03	5.05E-07	1.76E-07	3.20E-03	5.04E-07	1.76E-07
2193	494461.06, 3859801.99	3.13E-03	4.93E-07	1.72E-07	3.20E-03	5.03E-07	1.75E-07	3.19E-03	5.03E-07	1.75E-07
2194	494511.06, 3859801.99	3.13E-03	4.93E-07	1.72E-07	3.19E-03	5.03E-07	1.75E-07	3.19E-03	5.02E-07	1.75E-07
2195	494561.06, 3859801.99	3.07E-03	4.84E-07	1.68E-07	3.13E-03	4.93E-07	1.72E-07	3.13E-03	4.93E-07	1.72E-07
2196	494611.06, 3859801.99	2.97E-03	4.67E-07	1.63E-07	3.03E-03	4.77E-07	1.66E-07	3.02E-03	4.76E-07	1.66E-07
2197	494661.06, 3859801.99	2.91E-03	4.58E-07	1.60E-07	2.97E-03	4.67E-07	1.63E-07	2.96E-03	4.67E-07	1.63E-07
2198	494711.06, 3859801.99	2.84E-03	4.47E-07	1.56E-07	2.89E-03	4.56E-07	1.59E-07	2.89E-03	4.55E-07	1.59E-07
2199	494761.06, 3859801.99	2.83E-03	4.46E-07	1.55E-07	2.89E-03	4.55E-07	1.58E-07	2.88E-03	4.54E-07	1.58E-07
2200	494811.06, 3859801.99	2.77E-03	4.37E-07	1.52E-07	2.83E-03	4.46E-07	1.55E-07	2.83E-03	4.45E-07	1.55E-07
2201	494861.06, 3859801.99	2.73E-03	4.31E-07	1.50E-07	2.79E-03	4.40E-07	1.53E-07	2.79E-03	4.39E-07	1.53E-07
2202	494911.06, 3859801.99	2.68E-03	4.22E-07	1.47E-07	2.73E-03	4.30E-07	1.50E-07	2.73E-03	4.30E-07	1.50E-07
2203	494961.06, 3859801.99	2.63E-03	4.15E-07	1.44E-07	2.69E-03	4.23E-07	1.47E-07	2.68E-03	4.23E-07	1.47E-07
2204	495011.06, 3859801.99	2.59E-03	4.08E-07	1.42E-07	2.64E-03	4.16E-07	1.45E-07	2.64E-03	4.15E-07	1.45E-07
2205	495061.06, 3859801.99	2.55E-03	4.02E-07	1.40E-07	2.60E-03	4.10E-07	1.43E-07	2.60E-03	4.10E-07	1.43E-07
2206	495111.06, 3859801.99	2.50E-03	3.94E-07	1.37E-07	2.55E-03	4.02E-07	1.40E-07	2.55E-03	4.02E-07	1.40E-07
2207	495161.06, 3859801.99	2.46E-03	3.87E-07	1.35E-07	2.51E-03	3.95E-07	1.38E-07	2.50E-03	3.94E-07	1.37E-07
2208	495211.06, 3859801.99	2.42E-03	3.82E-07	1.33E-07	2.47E-03	3.89E-07	1.36E-07	2.47E-03	3.89E-07	1.35E-07
2209	495261.06, 3859801.99	2.38E-03	3.74E-07	1.30E-07	2.42E-03	3.82E-07	1.33E-07	2.42E-03	3.82E-07	1.33E-07
2210	495311.06, 3859801.99	2.35E-03	3.70E-07	1.29E-07	2.39E-03	3.77E-07	1.31E-07	2.39E-03	3.77E-07	1.31E-07
2211	495361.06, 3859801.99	2.31E-03	3.63E-07	1.27E-07	2.35E-03	3.71E-07	1.29E-07	2.35E-03	3.70E-07	1.29E-07
2212	495411.06, 3859801.99	2.26E-03	3.56E-07	1.24E-07	2.31E-03	3.64E-07	1.27E-07	2.31E-03	3.63E-07	1.27E-07
2213	495461.06, 3859801.99	2.23E-03	3.51E-07	1.22E-07	2.27E-03	3.58E-07	1.25E-07	2.27E-03	3.57E-07	1.25E-07
2214	495511.06, 3859801.99	2.18E-03	3.43E-07	1.19E-07	2.22E-03	3.50E-07	1.22E-07	2.22E-03	3.49E-07	1.22E-07
2215	495561.06, 3859801.99	2.15E-03	3.38E-07	1.18E-07	2.19E-03	3.45E-07	1.20E-07	2.19E-03	3.45E-07	1.20E-07
2216	495611.06, 3859801.99	2.13E-03	3.35E-07	1.17E-07	2.17E-03	3.42E-07	1.19E-07	2.17E-03	3.42E-07	1.19E-07
2217	495661.06, 3859801.99	2.09E-03	3.29E-07	1.15E-07	2.13E-03	3.35E-07	1.17E-07	2.13E-03	3.35E-07	1.17E-07
2218	494311.06, 3859851.99	3.41E-03	5.37E-07	1.87E-07	3.48E-03	5.48E-07	1.91E-07	3.48E-03	5.48E-07	1.91E-07
2219	494361.06, 3859851.99	3.33E-03	5.25E-07	1.83E-07	3.40E-03	5.36E-07	1.87E-07	3.40E-03	5.35E-07	1.86E-07
2220	494411.06, 3859851.99	3.25E-03	5.12E-07	1.78E-07	3.31E-03	5.22E-07	1.82E-07	3.31E-03	5.21E-07	1.82E-07
2221	494461.06, 3859851.99	3.18E-03	5.01E-07	1.75E-07	3.25E-03	5.12E-07	1.78E-07	3.24E-03	5.11E-07	1.78E-07
2222	494511.06, 3859851.99	3.16E-03	4.97E-07	1.73E-07	3.22E-03	5.08E-07	1.77E-07	3.22E-03	5.07E-07	1.77E-07
2223	494561.06, 3859851.99	3.14E-03	4.95E-07	1.72E-07	3.21E-03	5.05E-07	1.76E-07	3.20E-03	5.04E-07	1.76E-07
2224	494611.06, 3859851.99	3.03E-03	4.77E-07	1.66E-07	3.09E-03	4.87E-07	1.70E-07	3.09E-03	4.87E-07	1.70E-07
2225	494661.06, 3859851.99	3.00E-03	4.72E-07	1.65E-07	3.06E-03	4.82E-07	1.68E-07	3.06E-03	4.81E-07	1.68E-07
2226	494711.06, 3859851.99	2.92E-03	4.60E-07	1.60E-07	2.98E-03	4.69E-07	1.63E-07	2.97E-03	4.68E-07	1.63E-07
2227	494761.06, 3859851.99	2.90E-03	4.57E-07	1.59E-07	2.96E-03	4.67E-07	1.63E-07	2.96E-03	4.66E-07	1.62E-07
2228	494811.06, 3859851.99	2.85E-03	4.49E-07	1.56E-07	2.91E-03	4.58E-07	1.60E-07	2.90E-03	4.57E-07	1.59E-07

2229	494861.06, 3859851.99	2.81E-03	4.43E-07	1.54E-07	2.87E-03	4.52E-07	1.58E-07	2.87E-03	4.52E-07	1.57E-07
2230	494911.06, 3859851.99	2.75E-03	4.34E-07	1.51E-07	2.81E-03	4.43E-07	1.54E-07	2.81E-03	4.42E-07	1.54E-07
2231	494961.06, 3859851.99	2.71E-03	4.27E-07	1.49E-07	2.76E-03	4.35E-07	1.52E-07	2.76E-03	4.35E-07	1.51E-07
2232	495011.06, 3859851.99	2.66E-03	4.19E-07	1.46E-07	2.72E-03	4.28E-07	1.49E-07	2.71E-03	4.28E-07	1.49E-07
2233	495061.06, 3859851.99	2.62E-03	4.14E-07	1.44E-07	2.68E-03	4.22E-07	1.47E-07	2.68E-03	4.21E-07	1.47E-07
2234	495111.06, 3859851.99	2.57E-03	4.05E-07	1.41E-07	2.62E-03	4.13E-07	1.44E-07	2.62E-03	4.13E-07	1.44E-07
2235	495161.06, 3859851.99	2.52E-03	3.98E-07	1.39E-07	2.58E-03	4.06E-07	1.41E-07	2.57E-03	4.05E-07	1.41E-07
2236	495211.06, 3859851.99	2.48E-03	3.91E-07	1.36E-07	2.53E-03	3.99E-07	1.39E-07	2.53E-03	3.99E-07	1.39E-07
2237	495261.06, 3859851.99	2.44E-03	3.84E-07	1.34E-07	2.49E-03	3.92E-07	1.37E-07	2.49E-03	3.92E-07	1.36E-07
2238	495311.06, 3859851.99	2.41E-03	3.79E-07	1.32E-07	2.45E-03	3.87E-07	1.35E-07	2.45E-03	3.86E-07	1.35E-07
2239	495361.06, 3859851.99	2.37E-03	3.73E-07	1.30E-07	2.42E-03	3.81E-07	1.33E-07	2.41E-03	3.80E-07	1.32E-07
2240	495411.06, 3859851.99	2.32E-03	3.66E-07	1.27E-07	2.37E-03	3.73E-07	1.30E-07	2.37E-03	3.73E-07	1.30E-07
2241	495461.06, 3859851.99	2.28E-03	3.59E-07	1.25E-07	2.33E-03	3.66E-07	1.28E-07	2.32E-03	3.66E-07	1.28E-07
2242	495511.06, 3859851.99	2.23E-03	3.52E-07	1.23E-07	2.28E-03	3.59E-07	1.25E-07	2.28E-03	3.59E-07	1.25E-07
2243	495561.06, 3859851.99	2.21E-03	3.48E-07	1.21E-07	2.25E-03	3.55E-07	1.24E-07	2.25E-03	3.54E-07	1.23E-07
2244	495611.06, 3859851.99	2.18E-03	3.43E-07	1.20E-07	2.22E-03	3.50E-07	1.22E-07	2.22E-03	3.50E-07	1.22E-07
2245	495661.06, 3859851.99	2.14E-03	3.36E-07	1.17E-07	2.18E-03	3.43E-07	1.20E-07	2.18E-03	3.43E-07	1.19E-07
2246	494311.06, 3859901.99	3.48E-03	5.49E-07	1.91E-07	3.55E-03	5.60E-07	1.95E-07	3.55E-03	5.59E-07	1.95E-07
2247	494361.06, 3859901.99	3.37E-03	5.31E-07	1.85E-07	3.44E-03	5.42E-07	1.89E-07	3.44E-03	5.41E-07	1.89E-07
2248	494411.06, 3859901.99	3.33E-03	5.24E-07	1.83E-07	3.40E-03	5.35E-07	1.86E-07	3.39E-03	5.35E-07	1.86E-07
2249	494461.06, 3859901.99	3.27E-03	5.14E-07	1.79E-07	3.33E-03	5.25E-07	1.83E-07	3.33E-03	5.24E-07	1.83E-07
2250	494511.06, 3859901.99	3.22E-03	5.07E-07	1.77E-07	3.29E-03	5.18E-07	1.80E-07	3.28E-03	5.17E-07	1.80E-07
2251	494561.06, 3859901.99	3.22E-03	5.07E-07	1.77E-07	3.28E-03	5.17E-07	1.80E-07	3.28E-03	5.17E-07	1.80E-07
2252	494611.06, 3859901.99	3.10E-03	4.88E-07	1.70E-07	3.16E-03	4.98E-07	1.74E-07	3.16E-03	4.98E-07	1.73E-07
2253	494661.06, 3859901.99	3.09E-03	4.86E-07	1.69E-07	3.15E-03	4.96E-07	1.73E-07	3.15E-03	4.96E-07	1.73E-07
2254	494711.06, 3859901.99	2.98E-03	4.69E-07	1.63E-07	3.04E-03	4.79E-07	1.67E-07	3.03E-03	4.78E-07	1.67E-07
2255	494761.06, 3859901.99	2.95E-03	4.65E-07	1.62E-07	3.01E-03	4.74E-07	1.65E-07	3.01E-03	4.74E-07	1.65E-07
2256	494811.06, 3859901.99	2.93E-03	4.61E-07	1.61E-07	2.99E-03	4.71E-07	1.64E-07	2.98E-03	4.70E-07	1.64E-07
2257	494861.06, 3859901.99	2.89E-03	4.55E-07	1.58E-07	2.95E-03	4.64E-07	1.62E-07	2.94E-03	4.64E-07	1.61E-07
2258	494911.06, 3859901.99	2.82E-03	4.45E-07	1.55E-07	2.88E-03	4.54E-07	1.58E-07	2.88E-03	4.54E-07	1.58E-07
2259	494961.06, 3859901.99	2.78E-03	4.39E-07	1.53E-07	2.84E-03	4.47E-07	1.56E-07	2.84E-03	4.47E-07	1.56E-07
2260	495011.06, 3859901.99	2.73E-03	4.30E-07	1.50E-07	2.79E-03	4.39E-07	1.53E-07	2.78E-03	4.38E-07	1.53E-07
2261	495061.06, 3859901.99	2.68E-03	4.23E-07	1.47E-07	2.74E-03	4.31E-07	1.50E-07	2.73E-03	4.31E-07	1.50E-07
2262	495111.06, 3859901.99	2.63E-03	4.14E-07	1.44E-07	2.68E-03	4.22E-07	1.47E-07	2.68E-03	4.21E-07	1.47E-07
2263	495161.06, 3859901.99	2.57E-03	4.05E-07	1.41E-07	2.63E-03	4.14E-07	1.44E-07	2.62E-03	4.13E-07	1.44E-07
2264	495211.06, 3859901.99	2.54E-03	4.00E-07	1.39E-07	2.59E-03	4.08E-07	1.42E-07	2.59E-03	4.08E-07	1.42E-07
2265	495261.06, 3859901.99	2.48E-03	3.91E-07	1.36E-07	2.53E-03	3.99E-07	1.39E-07	2.53E-03	3.99E-07	1.39E-07
2266	495311.06, 3859901.99	2.45E-03	3.86E-07	1.35E-07	2.50E-03	3.94E-07	1.37E-07	2.50E-03	3.94E-07	1.37E-07
2267	495361.06, 3859901.99	2.41E-03	3.80E-07	1.32E-07	2.46E-03	3.87E-07	1.35E-07	2.46E-03	3.87E-07	1.35E-07
2268	495411.06, 3859901.99	2.36E-03	3.72E-07	1.30E-07	2.41E-03	3.80E-07	1.32E-07	2.41E-03	3.79E-07	1.32E-07
2269	495461.06, 3859901.99	2.32E-03	3.66E-07	1.27E-07	2.37E-03	3.73E-07	1.30E-07	2.37E-03	3.73E-07	1.30E-07
2270	495511.06, 3859901.99	2.29E-03	3.61E-07	1.26E-07	2.34E-03	3.68E-07	1.28E-07	2.33E-03	3.68E-07	1.28E-07
2271	495561.06, 3859901.99	2.26E-03	3.56E-07	1.24E-07	2.31E-03	3.63E-07	1.27E-07	2.30E-03	3.63E-07	1.26E-07
2272	495611.06, 3859901.99	2.22E-03	3.50E-07	1.22E-07	2.26E-03	3.57E-07	1.24E-07	2.26E-03	3.56E-07	1.24E-07
2273	495661.06, 3859901.99	2.18E-03	3.43E-07	1.19E-07	2.22E-03	3.50E-07	1.22E-07	2.22E-03	3.49E-07	1.22E-07
2274	494311.06, 3859951.99	3.56E-03	5.61E-07	1.96E-07	3.64E-03	5.73E-07	2.00E-07	3.63E-03	5.72E-07	1.99E-07
2275	494361.06, 3859951.99	3.48E-03	5.48E-07	1.91E-07	3.55E-03	5.59E-07	1.95E-07	3.54E-03	5.58E-07	1.95E-07
2276	494411.06, 3859951.99	3.40E-03	5.36E-07	1.87E-07	3.47E-03	5.47E-07	1.90E-07	3.47E-03	5.46E-07	1.90E-07
2277	494461.06, 3859951.99	3.34E-03	5.25E-07	1.83E-07	3.40E-03	5.36E-07	1.87E-07	3.40E-03	5.36E-07	1.87E-07
2278	494511.06, 3859951.99	3.29E-03	5.18E-07	1.81E-07	3.36E-03	5.29E-07	1.84E-07	3.35E-03	5.28E-07	1.84E-07
2279	494561.06, 3859951.99	3.30E-03	5.20E-07	1.81E-07	3.37E-03	5.30E-07	1.85E-07	3.36E-03	5.30E-07	1.85E-07
2280	494611.06, 3859951.99	3.19E-03	5.02E-07	1.75E-07	3.25E-03	5.13E-07	1.79E-07	3.25E-03	5.12E-07	1.78E-07
2281	494661.06, 3859951.99	3.17E-03	4.99E-07	1.74E-07	3.23E-03	5.09E-07	1.77E-07	3.23E-03	5.09E-07	1.77E-07
2282	494711.06, 3859951.99	3.07E-03	4.84E-07	1.69E-07	3.13E-03	4.94E-07	1.72E-07	3.13E-03	4.93E-07	1.72E-07
2283	494761.06, 3859951.99	3.03E-03	4.77E-07	1.66E-07	3.09E-03	4.87E-07	1.70E-07	3.09E-03	4.87E-07	1.70E-07
2284	494811.06, 3859951.99	2.98E-03	4.70E-07	1.64E-07	3.05E-03	4.80E-07	1.67E-07	3.04E-03	4.79E-07	1.67E-07
2285	494861.06, 3859951.99	2.95E-03	4.65E-07	1.62E-07	3.01E-03	4.75E-07	1.65E-07	3.01E-03	4.74E-07	1.65E-07
2286	494911.06, 3859951.99	2.89E-03	4.55E-07	1.59E-07	2.95E-03	4.64E-07	1.62E-07	2.94E-03	4.64E-07	1.62E-07
2287	494961.06, 3859951.99	2.83E-03	4.46E-07	1.55E-07	2.89E-03	4.55E-07	1.59E-07	2.89E-03	4.55E-07	1.58E-07
2288	495011.06, 3859951.99	2.78E-03	4.38E-07	1.52E-07	2.83E-03	4.47E-07	1.56E-07	2.83E-03	4.46E-07	1.55E-07
2289	495061.06, 3859951.99	2.73E-03	4.31E-07	1.50E-07	2.79E-03	4.40E-07	1.53E-07	2.79E-03	4.39E-07	1.53E-07
2290	495111.06, 3859951.99	2.68E-03	4.22E-07	1.47E-07	2.73E-03	4.30E-07	1.50E-07	2.73E-03	4.30E-07	1.50E-07

2291	495161.06, 3859951.99	2.62E-03	4.13E-07	1.44E-07	2.68E-03	4.21E-07	1.47E-07	2.67E-03	4.21E-07	1.47E-07
2292	495211.06, 3859951.99	2.57E-03	4.05E-07	1.41E-07	2.62E-03	4.13E-07	1.44E-07	2.62E-03	4.13E-07	1.44E-07
2293	495261.06, 3859951.99	2.53E-03	3.98E-07	1.39E-07	2.58E-03	4.06E-07	1.41E-07	2.57E-03	4.06E-07	1.41E-07
2294	495311.06, 3859951.99	2.50E-03	3.94E-07	1.37E-07	2.55E-03	4.02E-07	1.40E-07	2.55E-03	4.01E-07	1.40E-07
2295	495361.06, 3859951.99	2.46E-03	3.88E-07	1.35E-07	2.51E-03	3.96E-07	1.38E-07	2.51E-03	3.95E-07	1.38E-07
2296	495411.06, 3859951.99	2.41E-03	3.80E-07	1.32E-07	2.46E-03	3.88E-07	1.35E-07	2.46E-03	3.87E-07	1.35E-07
2297	495461.06, 3859951.99	2.37E-03	3.73E-07	1.30E-07	2.42E-03	3.81E-07	1.33E-07	2.42E-03	3.81E-07	1.33E-07
2298	495511.06, 3859951.99	2.33E-03	3.67E-07	1.28E-07	2.38E-03	3.74E-07	1.30E-07	2.37E-03	3.74E-07	1.30E-07
2299	495561.06, 3859951.99	2.31E-03	3.63E-07	1.27E-07	2.35E-03	3.71E-07	1.29E-07	2.35E-03	3.70E-07	1.29E-07
2300	495611.06, 3859951.99	2.26E-03	3.57E-07	1.24E-07	2.31E-03	3.64E-07	1.27E-07	2.31E-03	3.63E-07	1.27E-07
2301	495661.06, 3859951.99	2.22E-03	3.49E-07	1.22E-07	2.26E-03	3.56E-07	1.24E-07	2.26E-03	3.56E-07	1.24E-07
2302	494311.06, 3860001.99	3.63E-03	5.72E-07	1.99E-07	3.71E-03	5.84E-07	2.03E-07	3.70E-03	5.83E-07	2.03E-07
2303	494361.06, 3860001.99	3.56E-03	5.61E-07	1.95E-07	3.63E-03	5.72E-07	1.99E-07	3.63E-03	5.71E-07	1.99E-07
2304	494411.06, 3860001.99	3.46E-03	5.45E-07	1.90E-07	3.53E-03	5.56E-07	1.94E-07	3.52E-03	5.55E-07	1.93E-07
2305	494461.06, 3860001.99	3.41E-03	5.37E-07	1.87E-07	3.48E-03	5.48E-07	1.91E-07	3.47E-03	5.47E-07	1.91E-07
2306	494511.06, 3860001.99	3.33E-03	5.25E-07	1.83E-07	3.40E-03	5.35E-07	1.87E-07	3.39E-03	5.35E-07	1.86E-07
2307	494561.06, 3860001.99	3.36E-03	5.30E-07	1.85E-07	3.43E-03	5.40E-07	1.88E-07	3.43E-03	5.40E-07	1.88E-07
2308	494611.06, 3860001.99	3.28E-03	5.17E-07	1.80E-07	3.35E-03	5.28E-07	1.84E-07	3.34E-03	5.27E-07	1.84E-07
2309	494661.06, 3860001.99	3.23E-03	5.09E-07	1.77E-07	3.30E-03	5.19E-07	1.81E-07	3.29E-03	5.19E-07	1.81E-07
2310	494711.06, 3860001.99	3.10E-03	4.88E-07	1.70E-07	3.16E-03	4.98E-07	1.74E-07	3.16E-03	4.98E-07	1.73E-07
2311	494761.06, 3860001.99	3.09E-03	4.87E-07	1.70E-07	3.16E-03	4.97E-07	1.73E-07	3.15E-03	4.97E-07	1.73E-07
2312	494811.06, 3860001.99	3.05E-03	4.81E-07	1.68E-07	3.12E-03	4.91E-07	1.71E-07	3.11E-03	4.90E-07	1.71E-07
2313	494861.06, 3860001.99	3.02E-03	4.76E-07	1.66E-07	3.08E-03	4.85E-07	1.69E-07	3.08E-03	4.85E-07	1.69E-07
2314	494911.06, 3860001.99	2.91E-03	4.58E-07	1.60E-07	2.97E-03	4.67E-07	1.63E-07	2.96E-03	4.67E-07	1.63E-07
2315	494961.06, 3860001.99	2.87E-03	4.53E-07	1.58E-07	2.93E-03	4.62E-07	1.61E-07	2.93E-03	4.61E-07	1.61E-07
2316	495011.06, 3860001.99	2.81E-03	4.43E-07	1.54E-07	2.87E-03	4.52E-07	1.58E-07	2.87E-03	4.52E-07	1.57E-07
2317	495061.06, 3860001.99	2.78E-03	4.38E-07	1.53E-07	2.84E-03	4.47E-07	1.56E-07	2.84E-03	4.47E-07	1.56E-07
2318	495111.06, 3860001.99	2.73E-03	4.29E-07	1.50E-07	2.78E-03	4.38E-07	1.53E-07	2.78E-03	4.38E-07	1.52E-07
2319	495161.06, 3860001.99	2.67E-03	4.20E-07	1.46E-07	2.72E-03	4.29E-07	1.49E-07	2.72E-03	4.29E-07	1.49E-07
2320	495211.06, 3860001.99	2.64E-03	4.16E-07	1.45E-07	2.69E-03	4.24E-07	1.48E-07	2.69E-03	4.24E-07	1.48E-07
2321	495261.06, 3860001.99	2.59E-03	4.08E-07	1.42E-07	2.64E-03	4.16E-07	1.45E-07	2.64E-03	4.15E-07	1.45E-07
2322	495311.06, 3860001.99	2.55E-03	4.01E-07	1.40E-07	2.60E-03	4.10E-07	1.43E-07	2.60E-03	4.09E-07	1.43E-07
2323	495361.06, 3860001.99	2.48E-03	3.91E-07	1.36E-07	2.53E-03	3.99E-07	1.39E-07	2.53E-03	3.99E-07	1.39E-07
2324	495411.06, 3860001.99	2.46E-03	3.88E-07	1.35E-07	2.51E-03	3.96E-07	1.38E-07	2.51E-03	3.95E-07	1.38E-07
2325	495461.06, 3860001.99	2.42E-03	3.81E-07	1.33E-07	2.47E-03	3.89E-07	1.35E-07	2.47E-03	3.88E-07	1.35E-07
2326	495511.06, 3860001.99	2.38E-03	3.75E-07	1.31E-07	2.43E-03	3.83E-07	1.33E-07	2.43E-03	3.82E-07	1.33E-07
2327	495561.06, 3860001.99	2.35E-03	3.71E-07	1.29E-07	2.40E-03	3.78E-07	1.32E-07	2.40E-03	3.78E-07	1.32E-07
2328	495611.06, 3860001.99	2.31E-03	3.63E-07	1.27E-07	2.35E-03	3.71E-07	1.29E-07	2.35E-03	3.70E-07	1.29E-07
2329	495661.06, 3860001.99	2.26E-03	3.56E-07	1.24E-07	2.31E-03	3.64E-07	1.27E-07	2.31E-03	3.63E-07	1.27E-07
2330	494411.06, 3860051.99	3.53E-03	5.56E-07	1.94E-07	3.60E-03	5.68E-07	1.98E-07	3.60E-03	5.67E-07	1.98E-07
2331	494461.06, 3860051.99	3.46E-03	5.45E-07	1.90E-07	3.53E-03	5.56E-07	1.94E-07	3.53E-03	5.56E-07	1.94E-07
2332	494511.06, 3860051.99	3.40E-03	5.35E-07	1.86E-07	3.47E-03	5.46E-07	1.90E-07	3.46E-03	5.45E-07	1.90E-07
2333	494561.06, 3860051.99	3.38E-03	5.33E-07	1.86E-07	3.45E-03	5.44E-07	1.89E-07	3.45E-03	5.43E-07	1.89E-07
2334	494611.06, 3860051.99	3.34E-03	5.26E-07	1.83E-07	3.41E-03	5.37E-07	1.87E-07	3.40E-03	5.36E-07	1.87E-07
2335	494661.06, 3860051.99	3.29E-03	5.18E-07	1.81E-07	3.36E-03	5.29E-07	1.84E-07	3.35E-03	5.28E-07	1.84E-07
2336	494711.06, 3860051.99	3.19E-03	5.03E-07	1.75E-07	3.26E-03	5.13E-07	1.79E-07	3.25E-03	5.13E-07	1.79E-07
2337	494761.06, 3860051.99	3.15E-03	4.96E-07	1.73E-07	3.21E-03	5.06E-07	1.76E-07	3.21E-03	5.06E-07	1.76E-07
2338	494811.06, 3860051.99	3.12E-03	4.92E-07	1.71E-07	3.19E-03	5.02E-07	1.75E-07	3.18E-03	5.01E-07	1.75E-07
2339	494861.06, 3860051.99	3.09E-03	4.87E-07	1.70E-07	3.16E-03	4.97E-07	1.73E-07	3.15E-03	4.96E-07	1.73E-07
2340	494911.06, 3860051.99	3.02E-03	4.75E-07	1.66E-07	3.08E-03	4.85E-07	1.69E-07	3.08E-03	4.85E-07	1.69E-07
2341	494961.06, 3860051.99	2.94E-03	4.64E-07	1.61E-07	3.00E-03	4.73E-07	1.65E-07	3.00E-03	4.72E-07	1.65E-07
2342	495011.06, 3860051.99	2.88E-03	4.53E-07	1.58E-07	2.94E-03	4.63E-07	1.61E-07	2.93E-03	4.62E-07	1.61E-07
2343	495061.06, 3860051.99	2.83E-03	4.45E-07	1.55E-07	2.88E-03	4.54E-07	1.58E-07	2.88E-03	4.54E-07	1.58E-07
2344	495111.06, 3860051.99	2.76E-03	4.35E-07	1.51E-07	2.82E-03	4.44E-07	1.55E-07	2.81E-03	4.43E-07	1.54E-07
2345	495161.06, 3860051.99	2.71E-03	4.27E-07	1.49E-07	2.77E-03	4.36E-07	1.52E-07	2.76E-03	4.35E-07	1.52E-07
2346	495211.06, 3860051.99	2.66E-03	4.19E-07	1.46E-07	2.71E-03	4.27E-07	1.49E-07	2.71E-03	4.27E-07	1.49E-07
2347	495261.06, 3860051.99	2.62E-03	4.13E-07	1.44E-07	2.67E-03	4.21E-07	1.47E-07	2.67E-03	4.21E-07	1.47E-07
2348	495311.06, 3860051.99	2.59E-03	4.07E-07	1.42E-07	2.64E-03	4.16E-07	1.45E-07	2.64E-03	4.15E-07	1.45E-07
2349	495361.06, 3860051.99	2.55E-03	4.01E-07	1.40E-07	2.60E-03	4.09E-07	1.43E-07	2.60E-03	4.09E-07	1.42E-07
2350	495411.06, 3860051.99	2.51E-03	3.95E-07	1.38E-07	2.56E-03	4.03E-07	1.40E-07	2.55E-03	4.02E-07	1.40E-07
2351	495461.06, 3860051.99	2.46E-03	3.88E-07	1.35E-07	2.51E-03	3.96E-07	1.38E-07	2.51E-03	3.95E-07	1.38E-07
2352	495511.06, 3860051.99	2.43E-03	3.82E-07	1.33E-07	2.48E-03	3.90E-07	1.36E-07	2.47E-03	3.90E-07	1.36E-07

2353	495561.06, 3860051.99	2.39E-03	3.76E-07	1.31E-07	2.44E-03	3.84E-07	1.34E-07	2.44E-03	3.84E-07	1.34E-07
2354	495611.06, 3860051.99	2.35E-03	3.70E-07	1.29E-07	2.39E-03	3.77E-07	1.31E-07	2.39E-03	3.77E-07	1.31E-07
2355	495661.06, 3860051.99	2.30E-03	3.62E-07	1.26E-07	2.34E-03	3.69E-07	1.29E-07	2.34E-03	3.69E-07	1.28E-07
2356	494411.06, 3860101.99	3.54E-03	5.58E-07	1.94E-07	3.61E-03	5.69E-07	1.98E-07	3.61E-03	5.68E-07	1.98E-07
2357	494461.06, 3860101.99	3.52E-03	5.54E-07	1.93E-07	3.59E-03	5.66E-07	1.97E-07	3.59E-03	5.65E-07	1.97E-07
2358	494511.06, 3860101.99	3.42E-03	5.39E-07	1.88E-07	3.49E-03	5.50E-07	1.92E-07	3.49E-03	5.50E-07	1.92E-07
2359	494561.06, 3860101.99	3.38E-03	5.33E-07	1.86E-07	3.45E-03	5.44E-07	1.90E-07	3.45E-03	5.43E-07	1.89E-07
2360	494611.06, 3860101.99	3.37E-03	5.31E-07	1.85E-07	3.44E-03	5.42E-07	1.89E-07	3.43E-03	5.41E-07	1.88E-07
2361	494661.06, 3860101.99	3.32E-03	5.24E-07	1.82E-07	3.39E-03	5.34E-07	1.86E-07	3.39E-03	5.34E-07	1.86E-07
2362	494711.06, 3860101.99	3.24E-03	5.10E-07	1.78E-07	3.30E-03	5.21E-07	1.81E-07	3.30E-03	5.20E-07	1.81E-07
2363	494761.06, 3860101.99	3.19E-03	5.03E-07	1.75E-07	3.26E-03	5.13E-07	1.79E-07	3.25E-03	5.12E-07	1.79E-07
2364	494811.06, 3860101.99	3.15E-03	4.96E-07	1.73E-07	3.21E-03	5.06E-07	1.76E-07	3.21E-03	5.05E-07	1.76E-07
2365	494861.06, 3860101.99	3.16E-03	4.97E-07	1.73E-07	3.22E-03	5.08E-07	1.77E-07	3.22E-03	5.07E-07	1.77E-07
2366	494911.06, 3860101.99	3.02E-03	4.76E-07	1.66E-07	3.09E-03	4.86E-07	1.69E-07	3.08E-03	4.86E-07	1.69E-07
2367	494961.06, 3860101.99	2.98E-03	4.69E-07	1.63E-07	3.04E-03	4.78E-07	1.67E-07	3.03E-03	4.78E-07	1.66E-07
2368	495011.06, 3860101.99	2.91E-03	4.59E-07	1.60E-07	2.97E-03	4.68E-07	1.63E-07	2.97E-03	4.68E-07	1.63E-07
2369	495061.06, 3860101.99	2.85E-03	4.50E-07	1.57E-07	2.91E-03	4.59E-07	1.60E-07	2.91E-03	4.58E-07	1.60E-07
2370	495111.06, 3860101.99	2.79E-03	4.39E-07	1.53E-07	2.84E-03	4.48E-07	1.56E-07	2.84E-03	4.47E-07	1.56E-07
2371	495161.06, 3860101.99	2.75E-03	4.33E-07	1.51E-07	2.80E-03	4.42E-07	1.54E-07	2.80E-03	4.41E-07	1.54E-07
2372	495211.06, 3860101.99	2.70E-03	4.25E-07	1.48E-07	2.75E-03	4.34E-07	1.51E-07	2.75E-03	4.33E-07	1.51E-07
2373	495261.06, 3860101.99	2.65E-03	4.18E-07	1.46E-07	2.71E-03	4.26E-07	1.49E-07	2.70E-03	4.26E-07	1.48E-07
2374	495311.06, 3860101.99	2.61E-03	4.12E-07	1.43E-07	2.67E-03	4.20E-07	1.46E-07	2.66E-03	4.19E-07	1.46E-07
2375	495361.06, 3860101.99	2.58E-03	4.07E-07	1.42E-07	2.63E-03	4.15E-07	1.45E-07	2.63E-03	4.14E-07	1.44E-07
2376	495411.06, 3860101.99	2.54E-03	4.00E-07	1.39E-07	2.59E-03	4.08E-07	1.42E-07	2.59E-03	4.07E-07	1.42E-07
2377	495461.06, 3860101.99	2.48E-03	3.91E-07	1.36E-07	2.53E-03	3.99E-07	1.39E-07	2.53E-03	3.98E-07	1.39E-07
2378	495511.06, 3860101.99	2.45E-03	3.86E-07	1.35E-07	2.50E-03	3.94E-07	1.37E-07	2.50E-03	3.94E-07	1.37E-07
2379	495561.06, 3860101.99	2.42E-03	3.82E-07	1.33E-07	2.47E-03	3.90E-07	1.36E-07	2.47E-03	3.89E-07	1.36E-07
2380	495611.06, 3860101.99	2.37E-03	3.74E-07	1.30E-07	2.42E-03	3.81E-07	1.33E-07	2.42E-03	3.81E-07	1.33E-07
2381	495661.06, 3860101.99	2.33E-03	3.68E-07	1.28E-07	2.38E-03	3.75E-07	1.31E-07	2.38E-03	3.75E-07	1.31E-07
2382	494861.06, 3860151.99	3.21E-03	5.05E-07	1.76E-07	3.27E-03	5.16E-07	1.80E-07	3.27E-03	5.15E-07	1.79E-07
2383	494911.06, 3860151.99	3.07E-03	4.83E-07	1.68E-07	3.13E-03	4.93E-07	1.72E-07	3.13E-03	4.93E-07	1.72E-07
2384	494961.06, 3860151.99	3.01E-03	4.74E-07	1.65E-07	3.07E-03	4.83E-07	1.68E-07	3.06E-03	4.83E-07	1.68E-07
2385	495011.06, 3860151.99	2.94E-03	4.63E-07	1.61E-07	3.00E-03	4.73E-07	1.65E-07	3.00E-03	4.72E-07	1.65E-07
2386	495061.06, 3860151.99	2.88E-03	4.54E-07	1.58E-07	2.94E-03	4.63E-07	1.61E-07	2.94E-03	4.63E-07	1.61E-07
2387	495111.06, 3860151.99	2.83E-03	4.46E-07	1.55E-07	2.89E-03	4.55E-07	1.58E-07	2.88E-03	4.54E-07	1.58E-07
2388	495161.06, 3860151.99	2.78E-03	4.38E-07	1.53E-07	2.84E-03	4.47E-07	1.56E-07	2.84E-03	4.47E-07	1.56E-07
2389	495211.06, 3860151.99	2.73E-03	4.30E-07	1.50E-07	2.79E-03	4.39E-07	1.53E-07	2.78E-03	4.39E-07	1.53E-07
2390	495261.06, 3860151.99	2.69E-03	4.24E-07	1.48E-07	2.74E-03	4.32E-07	1.51E-07	2.74E-03	4.32E-07	1.50E-07
2391	495311.06, 3860151.99	2.65E-03	4.17E-07	1.45E-07	2.70E-03	4.26E-07	1.48E-07	2.70E-03	4.25E-07	1.48E-07
2392	495361.06, 3860151.99	2.61E-03	4.11E-07	1.43E-07	2.66E-03	4.19E-07	1.46E-07	2.66E-03	4.19E-07	1.46E-07
2393	495411.06, 3860151.99	2.57E-03	4.04E-07	1.41E-07	2.62E-03	4.12E-07	1.44E-07	2.61E-03	4.12E-07	1.44E-07
2394	495461.06, 3860151.99	2.52E-03	3.98E-07	1.39E-07	2.58E-03	4.06E-07	1.41E-07	2.57E-03	4.05E-07	1.41E-07
2395	495511.06, 3860151.99	2.48E-03	3.91E-07	1.36E-07	2.53E-03	3.99E-07	1.39E-07	2.53E-03	3.98E-07	1.39E-07
2396	495561.06, 3860151.99	2.44E-03	3.85E-07	1.34E-07	2.49E-03	3.93E-07	1.37E-07	2.49E-03	3.92E-07	1.37E-07
2397	495611.06, 3860151.99	2.40E-03	3.78E-07	1.32E-07	2.45E-03	3.86E-07	1.35E-07	2.45E-03	3.86E-07	1.34E-07
2398	495661.06, 3860151.99	2.36E-03	3.71E-07	1.29E-07	2.41E-03	3.79E-07	1.32E-07	2.40E-03	3.79E-07	1.32E-07
2399	495718.25, 3859442.96	1.68E-03	2.64E-07	9.21E-08	1.71E-03	2.70E-07	9.40E-08	1.71E-03	2.69E-07	9.39E-08
2400	495818.25, 3859442.96	1.63E-03	2.57E-07	8.94E-08	1.66E-03	2.62E-07	9.12E-08	1.66E-03	2.62E-07	9.11E-08
2401	495918.25, 3859442.96	1.59E-03	2.51E-07	8.73E-08	1.62E-03	2.56E-07	8.91E-08	1.62E-03	2.55E-07	8.90E-08
2402	496018.25, 3859442.96	1.56E-03	2.45E-07	8.55E-08	1.59E-03	2.50E-07	8.73E-08	1.59E-03	2.50E-07	8.72E-08
2403	496118.25, 3859442.96	1.56E-03	2.45E-07	8.54E-08	1.59E-03	2.50E-07	8.72E-08	1.59E-03	2.50E-07	8.71E-08
2404	496218.25, 3859442.96	1.55E-03	2.44E-07	8.51E-08	1.58E-03	2.49E-07	8.69E-08	1.58E-03	2.49E-07	8.67E-08
2405	496318.25, 3859442.96	1.52E-03	2.40E-07	8.35E-08	1.55E-03	2.45E-07	8.52E-08	1.55E-03	2.44E-07	8.51E-08
2406	496418.25, 3859442.96	1.49E-03	2.35E-07	8.18E-08	1.52E-03	2.40E-07	8.35E-08	1.52E-03	2.39E-07	8.34E-08
2407	495718.25, 3859542.96	1.78E-03	2.81E-07	9.79E-08	1.82E-03	2.87E-07	9.99E-08	1.82E-03	2.86E-07	9.98E-08
2408	495818.25, 3859542.96	1.74E-03	2.74E-07	9.55E-08	1.78E-03	2.80E-07	9.74E-08	1.77E-03	2.79E-07	9.73E-08
2409	495918.25, 3859542.96	1.69E-03	2.66E-07	9.27E-08	1.72E-03	2.72E-07	9.46E-08	1.72E-03	2.71E-07	9.45E-08
2410	496018.25, 3859542.96	1.65E-03	2.60E-07	9.04E-08	1.68E-03	2.65E-07	9.23E-08	1.68E-03	2.65E-07	9.22E-08
2411	496118.25, 3859542.96	1.64E-03	2.59E-07	9.02E-08	1.68E-03	2.64E-07	9.20E-08	1.68E-03	2.64E-07	9.19E-08
2412	496218.25, 3859542.96	1.63E-03	2.57E-07	8.94E-08	1.66E-03	2.62E-07	9.13E-08	1.66E-03	2.62E-07	9.12E-08
2413	496318.25, 3859542.96	1.61E-03	2.54E-07	8.83E-08	1.64E-03	2.59E-07	9.02E-08	1.64E-03	2.58E-07	9.00E-08
2414	496418.25, 3859542.96	1.57E-03	2.47E-07	8.61E-08	1.60E-03	2.52E-07	8.79E-08	1.60E-03	2.52E-07	8.78E-08

2415	495718.25, 3859642.96	1.88E-03	2.96E-07	1.03E-07	1.92E-03	3.02E-07	1.05E-07	1.91E-03	3.02E-07	1.05E-07
2416	495818.25, 3859642.96	1.82E-03	2.87E-07	1.00E-07	1.86E-03	2.93E-07	1.02E-07	1.86E-03	2.93E-07	1.02E-07
2417	495918.25, 3859642.96	1.78E-03	2.81E-07	9.79E-08	1.82E-03	2.87E-07	9.99E-08	1.82E-03	2.86E-07	9.98E-08
2418	496018.25, 3859642.96	1.74E-03	2.74E-07	9.53E-08	1.77E-03	2.79E-07	9.72E-08	1.77E-03	2.79E-07	9.71E-08
2419	496118.25, 3859642.96	1.74E-03	2.74E-07	9.53E-08	1.77E-03	2.79E-07	9.73E-08	1.77E-03	2.79E-07	9.72E-08
2420	496218.25, 3859642.96	1.73E-03	2.72E-07	9.47E-08	1.76E-03	2.77E-07	9.67E-08	1.76E-03	2.77E-07	9.66E-08
2421	496318.25, 3859642.96	1.69E-03	2.66E-07	9.26E-08	1.72E-03	2.71E-07	9.44E-08	1.72E-03	2.71E-07	9.43E-08
2422	496418.25, 3859642.96	1.59E-03	2.50E-07	8.71E-08	1.62E-03	2.55E-07	8.89E-08	1.62E-03	2.55E-07	8.88E-08
2423	495718.25, 3859742.96	1.99E-03	3.14E-07	1.09E-07	2.03E-03	3.20E-07	1.12E-07	2.03E-03	3.20E-07	1.12E-07
2424	495818.25, 3859742.96	1.93E-03	3.03E-07	1.06E-07	1.96E-03	3.09E-07	1.08E-07	1.96E-03	3.09E-07	1.08E-07
2425	495918.25, 3859742.96	1.87E-03	2.95E-07	1.03E-07	1.91E-03	3.01E-07	1.05E-07	1.91E-03	3.01E-07	1.05E-07
2426	496018.25, 3859742.96	1.82E-03	2.87E-07	9.98E-08	1.86E-03	2.92E-07	1.02E-07	1.85E-03	2.92E-07	1.02E-07
2427	496118.25, 3859742.96	1.81E-03	2.86E-07	9.95E-08	1.85E-03	2.91E-07	1.02E-07	1.85E-03	2.91E-07	1.01E-07
2428	496218.25, 3859742.96	1.82E-03	2.86E-07	9.96E-08	1.85E-03	2.92E-07	1.02E-07	1.85E-03	2.91E-07	1.02E-07
2429	496318.25, 3859742.96	1.72E-03	2.70E-07	9.42E-08	1.75E-03	2.76E-07	9.61E-08	1.75E-03	2.76E-07	9.60E-08
2430	496418.25, 3859742.96	1.63E-03	2.56E-07	8.93E-08	1.66E-03	2.62E-07	9.11E-08	1.66E-03	2.61E-07	9.10E-08
2431	495718.25, 3859842.96	2.09E-03	3.30E-07	1.15E-07	2.13E-03	3.36E-07	1.17E-07	2.13E-03	3.36E-07	1.17E-07
2432	495818.25, 3859842.96	2.03E-03	3.20E-07	1.11E-07	2.07E-03	3.26E-07	1.14E-07	2.07E-03	3.26E-07	1.14E-07
2433	495918.25, 3859842.96	1.97E-03	3.10E-07	1.08E-07	2.01E-03	3.17E-07	1.10E-07	2.01E-03	3.16E-07	1.10E-07
2434	496018.25, 3859842.96	1.93E-03	3.04E-07	1.06E-07	1.97E-03	3.10E-07	1.08E-07	1.97E-03	3.10E-07	1.08E-07
2435	496118.25, 3859842.96	1.93E-03	3.04E-07	1.06E-07	1.97E-03	3.11E-07	1.08E-07	1.97E-03	3.10E-07	1.08E-07
2436	496218.25, 3859842.96	1.83E-03	2.89E-07	1.01E-07	1.87E-03	2.95E-07	1.03E-07	1.87E-03	2.94E-07	1.03E-07
2437	496318.25, 3859842.96	1.67E-03	2.63E-07	9.16E-08	1.70E-03	2.68E-07	9.35E-08	1.70E-03	2.68E-07	9.34E-08
2438	496418.25, 3859842.96	1.57E-03	2.47E-07	8.62E-08	1.60E-03	2.52E-07	8.80E-08	1.60E-03	2.52E-07	8.79E-08
2439	495718.25, 3859942.96	2.18E-03	3.43E-07	1.19E-07	2.22E-03	3.50E-07	1.22E-07	2.22E-03	3.49E-07	1.22E-07
2440	495818.25, 3859942.96	2.11E-03	3.32E-07	1.16E-07	2.15E-03	3.39E-07	1.18E-07	2.15E-03	3.38E-07	1.18E-07
2441	495918.25, 3859942.96	2.05E-03	3.24E-07	1.13E-07	2.10E-03	3.30E-07	1.15E-07	2.09E-03	3.30E-07	1.15E-07
2442	496018.25, 3859942.96	2.04E-03	3.21E-07	1.12E-07	2.08E-03	3.28E-07	1.14E-07	2.08E-03	3.27E-07	1.14E-07
2443	496118.25, 3859942.96	1.95E-03	3.07E-07	1.07E-07	1.99E-03	3.13E-07	1.09E-07	1.99E-03	3.13E-07	1.09E-07
2444	496218.25, 3859942.96	1.82E-03	2.87E-07	9.99E-08	1.86E-03	2.93E-07	1.02E-07	1.86E-03	2.92E-07	1.02E-07
2445	496318.25, 3859942.96	1.70E-03	2.68E-07	9.34E-08	1.74E-03	2.74E-07	9.53E-08	1.74E-03	2.73E-07	9.52E-08
2446	496418.25, 3859942.96	1.57E-03	2.47E-07	8.60E-08	1.60E-03	2.52E-07	8.77E-08	1.60E-03	2.52E-07	8.76E-08
2447	496856.82, 3858864.83	9.90E-04	1.56E-07	5.43E-08	1.01E-03	1.59E-07	5.54E-08	1.01E-03	1.59E-07	5.54E-08
2448	496956.82, 3858864.83	9.72E-04	1.53E-07	5.34E-08	9.92E-04	1.56E-07	5.45E-08	9.91E-04	1.56E-07	5.44E-08
2449	497056.82, 3858864.83	9.56E-04	1.51E-07	5.25E-08	9.75E-04	1.54E-07	5.35E-08	9.74E-04	1.53E-07	5.35E-08
2450	497156.82, 3858864.83	9.36E-04	1.48E-07	5.14E-08	9.56E-04	1.51E-07	5.24E-08	9.54E-04	1.50E-07	5.24E-08
2451	497256.82, 3858864.83	9.28E-04	1.46E-07	5.09E-08	9.47E-04	1.49E-07	5.20E-08	9.46E-04	1.49E-07	5.19E-08
2452	496856.82, 3858964.83	1.05E-03	1.66E-07	5.77E-08	1.07E-03	1.69E-07	5.89E-08	1.07E-03	1.69E-07	5.88E-08
2453	496956.82, 3858964.83	1.03E-03	1.62E-07	5.63E-08	1.05E-03	1.65E-07	5.75E-08	1.05E-03	1.65E-07	5.74E-08
2454	497056.82, 3858964.83	1.01E-03	1.58E-07	5.52E-08	1.03E-03	1.62E-07	5.63E-08	1.03E-03	1.62E-07	5.63E-08
2455	497156.82, 3858964.83	9.86E-04	1.55E-07	5.41E-08	1.01E-03	1.58E-07	5.52E-08	1.00E-03	1.58E-07	5.51E-08
2456	497256.82, 3858964.83	9.88E-04	1.56E-07	5.42E-08	1.01E-03	1.59E-07	5.53E-08	1.01E-03	1.59E-07	5.52E-08
2457	496856.82, 3859064.83	1.10E-03	1.74E-07	6.05E-08	1.12E-03	1.77E-07	6.17E-08	1.12E-03	1.77E-07	6.16E-08
2458	496956.82, 3859064.83	1.08E-03	1.70E-07	5.92E-08	1.10E-03	1.73E-07	6.04E-08	1.10E-03	1.73E-07	6.03E-08
2459	497056.82, 3859064.83	1.06E-03	1.67E-07	5.80E-08	1.08E-03	1.70E-07	5.92E-08	1.08E-03	1.70E-07	5.92E-08
2460	497156.82, 3859064.83	1.04E-03	1.64E-07	5.70E-08	1.06E-03	1.67E-07	5.82E-08	1.06E-03	1.67E-07	5.81E-08
2461	497256.82, 3859064.83	1.05E-03	1.65E-07	5.76E-08	1.07E-03	1.69E-07	5.87E-08	1.07E-03	1.68E-07	5.87E-08
2462	496856.82, 3859164.83	1.14E-03	1.80E-07	6.26E-08	1.16E-03	1.83E-07	6.39E-08	1.16E-03	1.83E-07	6.38E-08
2463	496956.82, 3859164.83	1.11E-03	1.76E-07	6.11E-08	1.14E-03	1.79E-07	6.24E-08	1.14E-03	1.79E-07	6.23E-08
2464	497056.82, 3859164.83	1.10E-03	1.73E-07	6.03E-08	1.12E-03	1.77E-07	6.15E-08	1.12E-03	1.76E-07	6.15E-08
2465	497156.82, 3859164.83	1.10E-03	1.73E-07	6.02E-08	1.12E-03	1.76E-07	6.14E-08	1.12E-03	1.76E-07	6.13E-08
2466	497256.82, 3859164.83	1.11E-03	1.75E-07	6.10E-08	1.13E-03	1.79E-07	6.22E-08	1.13E-03	1.78E-07	6.22E-08
2467	496856.82, 3859264.83	1.17E-03	1.85E-07	6.43E-08	1.20E-03	1.88E-07	6.56E-08	1.19E-03	1.88E-07	6.56E-08
2468	496956.82, 3859264.83	1.16E-03	1.83E-07	6.37E-08	1.18E-03	1.86E-07	6.50E-08	1.18E-03	1.86E-07	6.49E-08
2469	497056.82, 3859264.83	1.16E-03	1.83E-07	6.36E-08	1.18E-03	1.86E-07	6.49E-08	1.18E-03	1.86E-07	6.48E-08
2470	497156.82, 3859264.83	1.16E-03	1.82E-07	6.34E-08	1.18E-03	1.86E-07	6.47E-08	1.18E-03	1.86E-07	6.46E-08
2471	497256.82, 3859264.83	1.17E-03	1.84E-07	6.40E-08	1.19E-03	1.87E-07	6.53E-08	1.19E-03	1.87E-07	6.52E-08
2472	497088.92, 3858620.93	8.21E-04	1.29E-07	4.50E-08	8.37E-04	1.32E-07	4.60E-08	8.36E-04	1.32E-07	4.59E-08
2473	497138.92, 3858620.93	8.19E-04	1.29E-07	4.49E-08	8.36E-04	1.32E-07	4.59E-08	8.35E-04	1.31E-07	4.58E-08
2474	497188.92, 3858620.93	8.16E-04	1.28E-07	4.48E-08	8.32E-04	1.31E-07	4.57E-08	8.31E-04	1.31E-07	4.56E-08
2475	497238.92, 3858620.93	8.11E-04	1.28E-07	4.45E-08	8.28E-04	1.30E-07	4.54E-08	8.27E-04	1.30E-07	4.54E-08
2476	497088.92, 3858670.93	8.40E-04	1.32E-07	4.61E-08	8.57E-04	1.35E-07	4.70E-08	8.56E-04	1.35E-07	4.70E-08

2477	497138.92, 3858670.93	8.42E-04	1.33E-07	4.62E-08	8.59E-04	1.35E-07	4.71E-08	8.58E-04	1.35E-07	4.71E-08
2478	497188.92, 3858670.93	8.34E-04	1.31E-07	4.58E-08	8.52E-04	1.34E-07	4.67E-08	8.51E-04	1.34E-07	4.67E-08
2479	497238.92, 3858670.93	8.32E-04	1.31E-07	4.57E-08	8.49E-04	1.34E-07	4.66E-08	8.48E-04	1.34E-07	4.65E-08
2480	497088.92, 3858720.93	8.72E-04	1.37E-07	4.78E-08	8.89E-04	1.40E-07	4.88E-08	8.88E-04	1.40E-07	4.88E-08
2481	497138.92, 3858720.93	8.53E-04	1.34E-07	4.68E-08	8.70E-04	1.37E-07	4.78E-08	8.69E-04	1.37E-07	4.77E-08
2482	497188.92, 3858720.93	8.48E-04	1.34E-07	4.65E-08	8.65E-04	1.36E-07	4.75E-08	8.64E-04	1.36E-07	4.74E-08
2483	497238.92, 3858720.93	8.55E-04	1.35E-07	4.69E-08	8.73E-04	1.38E-07	4.79E-08	8.72E-04	1.37E-07	4.78E-08
2484	497088.92, 3858770.93	8.93E-04	1.41E-07	4.90E-08	9.11E-04	1.43E-07	5.00E-08	9.10E-04	1.43E-07	4.99E-08
2485	497138.92, 3858770.93	8.83E-04	1.39E-07	4.85E-08	9.01E-04	1.42E-07	4.95E-08	9.00E-04	1.42E-07	4.94E-08
2486	497188.92, 3858770.93	8.74E-04	1.38E-07	4.80E-08	8.92E-04	1.40E-07	4.89E-08	8.91E-04	1.40E-07	4.89E-08
2487	497238.92, 3858770.93	8.79E-04	1.39E-07	4.83E-08	8.97E-04	1.41E-07	4.92E-08	8.96E-04	1.41E-07	4.92E-08
2488	497396.65, 3858622.63	8.36E-04	1.32E-07	4.59E-08	8.53E-04	1.34E-07	4.68E-08	8.52E-04	1.34E-07	4.68E-08
2489	497496.65, 3858622.63	8.49E-04	1.34E-07	4.66E-08	8.67E-04	1.37E-07	4.76E-08	8.66E-04	1.36E-07	4.75E-08
2490	497596.65, 3858622.63	8.74E-04	1.38E-07	4.80E-08	8.92E-04	1.41E-07	4.90E-08	8.91E-04	1.40E-07	4.89E-08
2491	497696.65, 3858622.63	8.83E-04	1.39E-07	4.85E-08	9.01E-04	1.42E-07	4.95E-08	9.00E-04	1.42E-07	4.94E-08
2492	497796.65, 3858622.63	9.00E-04	1.42E-07	4.94E-08	9.19E-04	1.45E-07	5.04E-08	9.17E-04	1.45E-07	5.04E-08
2493	497896.65, 3858622.63	9.18E-04	1.45E-07	5.04E-08	9.36E-04	1.48E-07	5.14E-08	9.35E-04	1.47E-07	5.13E-08
2494	497396.65, 3858722.63	8.85E-04	1.39E-07	4.86E-08	9.03E-04	1.42E-07	4.96E-08	9.02E-04	1.42E-07	4.95E-08
2495	497496.65, 3858722.63	8.98E-04	1.41E-07	4.93E-08	9.16E-04	1.44E-07	5.03E-08	9.15E-04	1.44E-07	5.02E-08
2496	497596.65, 3858722.63	9.24E-04	1.46E-07	5.07E-08	9.43E-04	1.48E-07	5.17E-08	9.42E-04	1.48E-07	5.17E-08
2497	497696.65, 3858722.63	9.37E-04	1.48E-07	5.14E-08	9.56E-04	1.51E-07	5.25E-08	9.55E-04	1.50E-07	5.24E-08
2498	497796.65, 3858722.63	9.44E-04	1.49E-07	5.18E-08	9.63E-04	1.52E-07	5.28E-08	9.62E-04	1.51E-07	5.28E-08
2499	497896.65, 3858722.63	9.55E-04	1.50E-07	5.24E-08	9.75E-04	1.54E-07	5.35E-08	9.73E-04	1.53E-07	5.34E-08
2500	497396.65, 3858822.63	9.28E-04	1.46E-07	5.09E-08	9.47E-04	1.49E-07	5.20E-08	9.46E-04	1.49E-07	5.19E-08
2501	497496.65, 3858822.63	9.38E-04	1.48E-07	5.15E-08	9.57E-04	1.51E-07	5.25E-08	9.56E-04	1.51E-07	5.25E-08
2502	497596.65, 3858822.63	9.66E-04	1.52E-07	5.30E-08	9.85E-04	1.55E-07	5.41E-08	9.84E-04	1.55E-07	5.40E-08
2503	497696.65, 3858822.63	9.78E-04	1.54E-07	5.37E-08	9.98E-04	1.57E-07	5.48E-08	9.97E-04	1.57E-07	5.47E-08
2504	497796.65, 3858822.63	9.81E-04	1.55E-07	5.39E-08	1.00E-03	1.58E-07	5.50E-08	1.00E-03	1.58E-07	5.49E-08
2505	497896.65, 3858822.63	1.01E-03	1.58E-07	5.52E-08	1.03E-03	1.62E-07	5.63E-08	1.02E-03	1.61E-07	5.62E-08
2506	497396.65, 3858922.63	9.74E-04	1.53E-07	5.34E-08	9.94E-04	1.57E-07	5.45E-08	9.93E-04	1.56E-07	5.45E-08
2507	497496.65, 3858922.63	9.99E-04	1.57E-07	5.49E-08	1.02E-03	1.61E-07	5.60E-08	1.02E-03	1.60E-07	5.59E-08
2508	497596.65, 3858922.63	9.94E-04	1.57E-07	5.46E-08	1.01E-03	1.60E-07	5.57E-08	1.01E-03	1.60E-07	5.56E-08
2509	497696.65, 3858922.63	1.02E-03	1.61E-07	5.61E-08	1.04E-03	1.64E-07	5.73E-08	1.04E-03	1.64E-07	5.72E-08
2510	497796.65, 3858922.63	1.04E-03	1.64E-07	5.72E-08	1.06E-03	1.67E-07	5.83E-08	1.06E-03	1.67E-07	5.82E-08
2511	497896.65, 3858922.63	1.07E-03	1.68E-07	5.86E-08	1.09E-03	1.72E-07	5.98E-08	1.09E-03	1.72E-07	5.97E-08
2512	497364.44, 3858201.52	6.93E-04	1.09E-07	3.80E-08	7.07E-04	1.11E-07	3.88E-08	7.06E-04	1.11E-07	3.88E-08
2513	497414.44, 3858201.52	6.98E-04	1.10E-07	3.83E-08	7.13E-04	1.12E-07	3.91E-08	7.12E-04	1.12E-07	3.91E-08
2514	497464.44, 3858201.52	7.05E-04	1.11E-07	3.87E-08	7.19E-04	1.13E-07	3.95E-08	7.18E-04	1.13E-07	3.94E-08
2515	497514.44, 3858201.52	7.09E-04	1.12E-07	3.89E-08	7.24E-04	1.14E-07	3.97E-08	7.23E-04	1.14E-07	3.97E-08
2516	497564.44, 3858201.52	7.08E-04	1.11E-07	3.88E-08	7.22E-04	1.14E-07	3.96E-08	7.21E-04	1.14E-07	3.96E-08
2517	497614.44, 3858201.52	7.10E-04	1.12E-07	3.89E-08	7.24E-04	1.14E-07	3.97E-08	7.23E-04	1.14E-07	3.97E-08
2518	497364.44, 3858251.52	7.15E-04	1.13E-07	3.92E-08	7.29E-04	1.15E-07	4.00E-08	7.28E-04	1.15E-07	4.00E-08
2519	497414.44, 3858251.52	7.24E-04	1.14E-07	3.97E-08	7.39E-04	1.16E-07	4.05E-08	7.38E-04	1.16E-07	4.05E-08
2520	497464.44, 3858251.52	7.20E-04	1.13E-07	3.95E-08	7.34E-04	1.16E-07	4.03E-08	7.33E-04	1.16E-07	4.03E-08
2521	497514.44, 3858251.52	7.14E-04	1.12E-07	3.92E-08	7.29E-04	1.15E-07	4.00E-08	7.28E-04	1.15E-07	3.99E-08
2522	497564.44, 3858251.52	7.13E-04	1.12E-07	3.91E-08	7.27E-04	1.15E-07	3.99E-08	7.26E-04	1.14E-07	3.99E-08
2523	497614.44, 3858251.52	7.12E-04	1.12E-07	3.91E-08	7.26E-04	1.14E-07	3.99E-08	7.25E-04	1.14E-07	3.98E-08
2524	497364.44, 3858301.52	7.28E-04	1.15E-07	4.00E-08	7.43E-04	1.17E-07	4.08E-08	7.42E-04	1.17E-07	4.07E-08
2525	497414.44, 3858301.52	7.35E-04	1.16E-07	4.03E-08	7.50E-04	1.18E-07	4.11E-08	7.49E-04	1.18E-07	4.11E-08
2526	497464.44, 3858301.52	7.28E-04	1.15E-07	4.00E-08	7.43E-04	1.17E-07	4.08E-08	7.42E-04	1.17E-07	4.07E-08
2527	497514.44, 3858301.52	7.25E-04	1.14E-07	3.98E-08	7.39E-04	1.16E-07	4.06E-08	7.39E-04	1.16E-07	4.05E-08
2528	497564.44, 3858301.52	7.18E-04	1.13E-07	3.94E-08	7.33E-04	1.15E-07	4.02E-08	7.32E-04	1.15E-07	4.02E-08
2529	497614.44, 3858301.52	7.17E-04	1.13E-07	3.93E-08	7.31E-04	1.15E-07	4.01E-08	7.30E-04	1.15E-07	4.01E-08
2530	497364.44, 3858351.52	7.45E-04	1.17E-07	4.09E-08	7.60E-04	1.20E-07	4.17E-08	7.59E-04	1.20E-07	4.17E-08
2531	497414.44, 3858351.52	7.41E-04	1.17E-07	4.07E-08	7.56E-04	1.19E-07	4.15E-08	7.55E-04	1.19E-07	4.15E-08
2532	497464.44, 3858351.52	7.40E-04	1.17E-07	4.06E-08	7.55E-04	1.19E-07	4.14E-08	7.54E-04	1.19E-07	4.14E-08
2533	497514.44, 3858351.52	7.37E-04	1.16E-07	4.04E-08	7.52E-04	1.18E-07	4.13E-08	7.51E-04	1.18E-07	4.12E-08
2534	497564.44, 3858351.52	7.28E-04	1.15E-07	4.00E-08	7.43E-04	1.17E-07	4.08E-08	7.42E-04	1.17E-07	4.07E-08
2535	497614.44, 3858351.52	7.27E-04	1.15E-07	3.99E-08	7.42E-04	1.17E-07	4.07E-08	7.41E-04	1.17E-07	4.07E-08
2536	497364.44, 3858401.52	7.49E-04	1.18E-07	4.11E-08	7.65E-04	1.20E-07	4.20E-08	7.64E-04	1.20E-07	4.19E-08
2537	497414.44, 3858401.52	7.51E-04	1.18E-07	4.12E-08	7.66E-04	1.21E-07	4.20E-08	7.65E-04	1.21E-07	4.20E-08
2538	497464.44, 3858401.52	7.46E-04	1.18E-07	4.10E-08	7.62E-04	1.20E-07	4.18E-08	7.61E-04	1.20E-07	4.18E-08

2539	497514.44, 3858401.52	7.44E-04	1.17E-07	4.08E-08	7.59E-04	1.20E-07	4.17E-08	7.58E-04	1.19E-07	4.16E-08
2540	497564.44, 3858401.52	7.51E-04	1.18E-07	4.12E-08	7.66E-04	1.21E-07	4.20E-08	7.65E-04	1.21E-07	4.20E-08
2541	497614.44, 3858401.52	7.55E-04	1.19E-07	4.14E-08	7.71E-04	1.21E-07	4.23E-08	7.70E-04	1.21E-07	4.22E-08
2542	493478.11, 3860497.94	5.42E-03	8.54E-07	2.97E-07	5.53E-03	8.71E-07	3.04E-07	5.52E-03	8.70E-07	3.03E-07
2543	493528.11, 3860497.94	5.28E-03	8.31E-07	2.90E-07	5.38E-03	8.48E-07	2.96E-07	5.38E-03	8.47E-07	2.95E-07
2544	493478.11, 3860547.94	5.23E-03	8.24E-07	2.87E-07	5.34E-03	8.41E-07	2.93E-07	5.33E-03	8.40E-07	2.93E-07
2545	493528.11, 3860547.94	5.10E-03	8.03E-07	2.80E-07	5.20E-03	8.19E-07	2.85E-07	5.19E-03	8.18E-07	2.85E-07
2546	493478.11, 3860597.94	5.02E-03	7.91E-07	2.75E-07	5.12E-03	8.07E-07	2.81E-07	5.12E-03	8.06E-07	2.81E-07
2547	493528.11, 3860597.94	4.89E-03	7.71E-07	2.68E-07	4.99E-03	7.86E-07	2.74E-07	4.99E-03	7.85E-07	2.74E-07
2548	493561.88, 3860524.64	5.09E-03	8.02E-07	2.79E-07	5.20E-03	8.18E-07	2.85E-07	5.19E-03	8.17E-07	2.85E-07
2549	493591.88, 3860524.64	5.01E-03	7.90E-07	2.75E-07	5.11E-03	8.06E-07	2.81E-07	5.11E-03	8.05E-07	2.80E-07
2550	493561.88, 3860554.64	4.98E-03	7.85E-07	2.73E-07	5.08E-03	8.01E-07	2.79E-07	5.08E-03	8.00E-07	2.79E-07
2551	493591.88, 3860554.64	4.91E-03	7.73E-07	2.69E-07	5.01E-03	7.89E-07	2.75E-07	5.00E-03	7.88E-07	2.74E-07
2552	492880.5, 3860293.11	9.01E-03	1.42E-06	4.94E-07	9.19E-03	1.45E-06	5.05E-07	9.18E-03	1.45E-06	5.04E-07
2553	492930.5, 3860293.11	8.62E-03	1.36E-06	4.73E-07	8.80E-03	1.39E-06	4.83E-07	8.79E-03	1.38E-06	4.82E-07
2554	492980.5, 3860293.11	8.25E-03	1.30E-06	4.53E-07	8.42E-03	1.33E-06	4.62E-07	8.41E-03	1.32E-06	4.61E-07
2555	493030.5, 3860293.11	7.75E-03	1.22E-06	4.26E-07	7.91E-03	1.25E-06	4.34E-07	7.90E-03	1.25E-06	4.34E-07
2556	493080.5, 3860293.11	7.18E-03	1.13E-06	3.94E-07	7.33E-03	1.15E-06	4.02E-07	7.32E-03	1.15E-06	4.02E-07
2557	493130.5, 3860293.11	7.16E-03	1.13E-06	3.93E-07	7.31E-03	1.15E-06	4.01E-07	7.30E-03	1.15E-06	4.01E-07
2558	493180.5, 3860293.11	7.06E-03	1.11E-06	3.87E-07	7.20E-03	1.13E-06	3.95E-07	7.19E-03	1.13E-06	3.95E-07
2559	493230.5, 3860293.11	6.85E-03	1.08E-06	3.76E-07	6.99E-03	1.10E-06	3.84E-07	6.98E-03	1.10E-06	3.83E-07
2560	493280.5, 3860293.11	6.56E-03	1.03E-06	3.60E-07	6.69E-03	1.05E-06	3.67E-07	6.69E-03	1.05E-06	3.67E-07
2561	493330.5, 3860293.11	6.32E-03	9.96E-07	3.47E-07	6.45E-03	1.02E-06	3.54E-07	6.45E-03	1.02E-06	3.54E-07
2562	493380.5, 3860293.11	6.12E-03	9.65E-07	3.36E-07	6.25E-03	9.84E-07	3.43E-07	6.24E-03	9.83E-07	3.42E-07
2563	492880.5, 3860343.11	8.95E-03	1.41E-06	4.91E-07	9.13E-03	1.44E-06	5.01E-07	9.12E-03	1.44E-06	5.01E-07
2564	492930.5, 3860343.11	8.58E-03	1.35E-06	4.71E-07	8.75E-03	1.38E-06	4.80E-07	8.74E-03	1.38E-06	4.80E-07
2565	492980.5, 3860343.11	8.08E-03	1.27E-06	4.43E-07	8.24E-03	1.30E-06	4.52E-07	8.23E-03	1.30E-06	4.52E-07
2566	493030.5, 3860343.11	7.77E-03	1.22E-06	4.26E-07	7.93E-03	1.25E-06	4.35E-07	7.92E-03	1.25E-06	4.34E-07
2567	493080.5, 3860343.11	7.29E-03	1.15E-06	4.00E-07	7.44E-03	1.17E-06	4.08E-07	7.43E-03	1.17E-06	4.08E-07
2568	493130.5, 3860343.11	7.11E-03	1.12E-06	3.90E-07	7.25E-03	1.14E-06	3.98E-07	7.25E-03	1.14E-06	3.98E-07
2569	493180.5, 3860343.11	7.00E-03	1.10E-06	3.84E-07	7.14E-03	1.12E-06	3.92E-07	7.13E-03	1.12E-06	3.91E-07
2570	493230.5, 3860343.11	6.78E-03	1.07E-06	3.72E-07	6.92E-03	1.09E-06	3.80E-07	6.91E-03	1.09E-06	3.79E-07
2571	493280.5, 3860343.11	6.51E-03	1.03E-06	3.57E-07	6.64E-03	1.05E-06	3.64E-07	6.63E-03	1.04E-06	3.64E-07
2572	493330.5, 3860343.11	6.26E-03	9.87E-07	3.44E-07	6.39E-03	1.01E-06	3.51E-07	6.38E-03	1.01E-06	3.50E-07
2573	493380.5, 3860343.11	6.07E-03	9.57E-07	3.33E-07	6.20E-03	9.76E-07	3.40E-07	6.19E-03	9.75E-07	3.40E-07
2574	492880.5, 3860393.11	8.78E-03	1.38E-06	4.82E-07	8.96E-03	1.41E-06	4.92E-07	8.95E-03	1.41E-06	4.91E-07
2575	492930.5, 3860393.11	8.41E-03	1.33E-06	4.62E-07	8.59E-03	1.35E-06	4.71E-07	8.58E-03	1.35E-06	4.71E-07
2576	492980.5, 3860393.11	8.03E-03	1.26E-06	4.41E-07	8.19E-03	1.29E-06	4.50E-07	8.18E-03	1.29E-06	4.49E-07
2577	493030.5, 3860393.11	7.67E-03	1.21E-06	4.21E-07	7.83E-03	1.23E-06	4.30E-07	7.82E-03	1.23E-06	4.29E-07
2578	493080.5, 3860393.11	7.23E-03	1.14E-06	3.97E-07	7.38E-03	1.16E-06	4.05E-07	7.37E-03	1.16E-06	4.05E-07
2579	493130.5, 3860393.11	7.06E-03	1.11E-06	3.87E-07	7.20E-03	1.13E-06	3.95E-07	7.19E-03	1.13E-06	3.95E-07
2580	493180.5, 3860393.11	6.91E-03	1.09E-06	3.79E-07	7.05E-03	1.11E-06	3.87E-07	7.04E-03	1.11E-06	3.86E-07
2581	493230.5, 3860393.11	6.67E-03	1.05E-06	3.66E-07	6.81E-03	1.07E-06	3.74E-07	6.80E-03	1.07E-06	3.73E-07
2582	493280.5, 3860393.11	6.40E-03	1.01E-06	3.51E-07	6.53E-03	1.03E-06	3.58E-07	6.52E-03	1.03E-06	3.58E-07
2583	493330.5, 3860393.11	6.17E-03	9.72E-07	3.39E-07	6.30E-03	9.92E-07	3.46E-07	6.29E-03	9.91E-07	3.45E-07
2584	493380.5, 3860393.11	5.98E-03	9.42E-07	3.28E-07	6.10E-03	9.61E-07	3.35E-07	6.09E-03	9.60E-07	3.34E-07
2585	492880.5, 3860443.11	8.50E-03	1.34E-06	4.66E-07	8.67E-03	1.37E-06	4.76E-07	8.66E-03	1.36E-06	4.75E-07
2586	492930.5, 3860443.11	8.15E-03	1.28E-06	4.47E-07	8.32E-03	1.31E-06	4.57E-07	8.31E-03	1.31E-06	4.56E-07
2587	492980.5, 3860443.11	7.83E-03	1.23E-06	4.30E-07	7.99E-03	1.26E-06	4.39E-07	7.98E-03	1.26E-06	4.38E-07
2588	493030.5, 3860443.11	7.51E-03	1.18E-06	4.12E-07	7.66E-03	1.21E-06	4.21E-07	7.65E-03	1.21E-06	4.20E-07
2589	493080.5, 3860443.11	7.23E-03	1.14E-06	3.97E-07	7.37E-03	1.16E-06	4.05E-07	7.36E-03	1.16E-06	4.04E-07
2590	493130.5, 3860443.11	6.96E-03	1.10E-06	3.82E-07	7.10E-03	1.12E-06	3.90E-07	7.10E-03	1.12E-06	3.89E-07
2591	493180.5, 3860443.11	6.76E-03	1.07E-06	3.71E-07	6.90E-03	1.09E-06	3.79E-07	6.89E-03	1.09E-06	3.78E-07
2592	493230.5, 3860443.11	6.50E-03	1.02E-06	3.57E-07	6.63E-03	1.04E-06	3.64E-07	6.62E-03	1.04E-06	3.64E-07
2593	493280.5, 3860443.11	6.27E-03	9.87E-07	3.44E-07	6.40E-03	1.01E-06	3.51E-07	6.39E-03	1.01E-06	3.51E-07
2594	493330.5, 3860443.11	6.03E-03	9.49E-07	3.31E-07	6.15E-03	9.69E-07	3.37E-07	6.14E-03	9.67E-07	3.37E-07
2595	493380.5, 3860443.11	5.86E-03	9.23E-07	3.22E-07	5.98E-03	9.42E-07	3.28E-07	5.97E-03	9.41E-07	3.28E-07
2596	493180.5, 3860493.11	6.52E-03	1.03E-06	3.58E-07	6.65E-03	1.05E-06	3.65E-07	6.65E-03	1.05E-06	3.65E-07
2597	493230.5, 3860493.11	6.30E-03	9.92E-07	3.46E-07	6.43E-03	1.01E-06	3.53E-07	6.42E-03	1.01E-06	3.52E-07
2598	493280.5, 3860493.11	6.08E-03	9.58E-07	3.34E-07	6.21E-03	9.78E-07	3.41E-07	6.20E-03	9.77E-07	3.40E-07
2599	493330.5, 3860493.11	5.88E-03	9.27E-07	3.23E-07	6.00E-03	9.46E-07	3.30E-07	6.00E-03	9.45E-07	3.29E-07
2600	493380.5, 3860493.11	5.72E-03	9.01E-07	3.14E-07	5.84E-03	9.20E-07	3.20E-07	5.83E-03	9.19E-07	3.20E-07

2601 493330.5, 3860543.11	5.68E-03	8.95E-07	3.12E-07	5.80E-03	9.13E-07	3.18E-07	5.79E-03	9.12E-07	3.18E-07
2602 493380.5, 3860543.11	5.53E-03	8.71E-07	3.03E-07	5.64E-03	8.89E-07	3.10E-07	5.63E-03	8.87E-07	3.09E-07
2603 494135.94, 3860876.85	3.04E-03	4.78E-07	1.67E-07	3.10E-03	4.88E-07	1.70E-07	3.09E-03	4.87E-07	1.70E-07
2604 494185.94, 3860876.85	2.99E-03	4.71E-07	1.64E-07	3.05E-03	4.81E-07	1.67E-07	3.05E-03	4.80E-07	1.67E-07
2605 494135.94, 3860926.85	2.90E-03	4.57E-07	1.59E-07	2.96E-03	4.67E-07	1.63E-07	2.96E-03	4.66E-07	1.62E-07
2606 494185.94, 3860926.85	2.86E-03	4.51E-07	1.57E-07	2.92E-03	4.60E-07	1.60E-07	2.92E-03	4.60E-07	1.60E-07
2607 494135.94, 3860976.85	2.77E-03	4.37E-07	1.52E-07	2.83E-03	4.46E-07	1.55E-07	2.83E-03	4.45E-07	1.55E-07
2608 494185.94, 3860976.85	2.74E-03	4.32E-07	1.50E-07	2.80E-03	4.40E-07	1.53E-07	2.79E-03	4.40E-07	1.53E-07
2609 494135.94, 3861026.85	2.64E-03	4.17E-07	1.45E-07	2.70E-03	4.25E-07	1.48E-07	2.70E-03	4.25E-07	1.48E-07
2610 494185.94, 3861026.85	2.62E-03	4.12E-07	1.44E-07	2.67E-03	4.20E-07	1.46E-07	2.67E-03	4.20E-07	1.46E-07
2611 494135.94, 3861076.85	2.52E-03	3.97E-07	1.38E-07	2.57E-03	4.05E-07	1.41E-07	2.57E-03	4.05E-07	1.41E-07
2612 494185.94, 3861076.85	2.49E-03	3.93E-07	1.37E-07	2.55E-03	4.01E-07	1.40E-07	2.54E-03	4.01E-07	1.40E-07
2613 490360.04, 3858710.04	4.73E-03	7.45E-07	2.60E-07	4.83E-03	7.61E-07	2.65E-07	4.82E-03	7.60E-07	2.65E-07
2614 490410.04, 3858710.04	4.62E-03	7.27E-07	2.53E-07	4.71E-03	7.42E-07	2.59E-07	4.71E-03	7.41E-07	2.58E-07
2615 490460.04, 3858710.04	4.45E-03	7.02E-07	2.44E-07	4.55E-03	7.16E-07	2.49E-07	4.54E-03	7.15E-07	2.49E-07
2616 490510.04, 3858710.04	4.35E-03	6.85E-07	2.39E-07	4.43E-03	6.99E-07	2.43E-07	4.43E-03	6.98E-07	2.43E-07
2617 490560.04, 3858710.04	4.26E-03	6.71E-07	2.34E-07	4.34E-03	6.84E-07	2.38E-07	4.34E-03	6.84E-07	2.38E-07
2618 490610.04, 3858710.04	4.16E-03	6.56E-07	2.28E-07	4.25E-03	6.69E-07	2.33E-07	4.24E-03	6.68E-07	2.33E-07
2619 490660.04, 3858710.04	4.12E-03	6.48E-07	2.26E-07	4.20E-03	6.62E-07	2.31E-07	4.19E-03	6.61E-07	2.30E-07
2620 490710.04, 3858710.04	3.99E-03	6.29E-07	2.19E-07	4.08E-03	6.42E-07	2.24E-07	4.07E-03	6.41E-07	2.23E-07
2621 490760.04, 3858710.04	3.89E-03	6.14E-07	2.14E-07	3.97E-03	6.26E-07	2.18E-07	3.97E-03	6.25E-07	2.18E-07
2622 490810.04, 3858710.04	3.80E-03	5.98E-07	2.08E-07	3.87E-03	6.10E-07	2.13E-07	3.87E-03	6.10E-07	2.12E-07
2623 490860.04, 3858710.04	3.67E-03	5.78E-07	2.02E-07	3.75E-03	5.90E-07	2.06E-07	3.74E-03	5.90E-07	2.05E-07
2624 490360.04, 3858760.04	5.33E-03	8.39E-07	2.92E-07	5.44E-03	8.56E-07	2.98E-07	5.43E-03	8.55E-07	2.98E-07
2625 490410.04, 3858760.04	5.17E-03	8.14E-07	2.84E-07	5.27E-03	8.30E-07	2.89E-07	5.27E-03	8.29E-07	2.89E-07
2626 490460.04, 3858760.04	4.99E-03	7.86E-07	2.74E-07	5.09E-03	8.02E-07	2.80E-07	5.09E-03	8.02E-07	2.79E-07
2627 490510.04, 3858760.04	4.82E-03	7.59E-07	2.64E-07	4.91E-03	7.74E-07	2.70E-07	4.91E-03	7.73E-07	2.69E-07
2628 490560.04, 3858760.04	4.68E-03	7.37E-07	2.57E-07	4.78E-03	7.52E-07	2.62E-07	4.77E-03	7.52E-07	2.62E-07
2629 490610.04, 3858760.04	4.54E-03	7.15E-07	2.49E-07	4.63E-03	7.30E-07	2.54E-07	4.63E-03	7.29E-07	2.54E-07
2630 490660.04, 3858760.04	4.42E-03	6.96E-07	2.42E-07	4.51E-03	7.10E-07	2.47E-07	4.50E-03	7.09E-07	2.47E-07
2631 490710.04, 3858760.04	4.30E-03	6.77E-07	2.36E-07	4.39E-03	6.91E-07	2.41E-07	4.38E-03	6.90E-07	2.40E-07
2632 490760.04, 3858760.04	4.16E-03	6.55E-07	2.28E-07	4.24E-03	6.68E-07	2.33E-07	4.24E-03	6.68E-07	2.33E-07
2633 490810.04, 3858760.04	4.03E-03	6.35E-07	2.21E-07	4.11E-03	6.48E-07	2.26E-07	4.11E-03	6.47E-07	2.26E-07
2634 490860.04, 3858760.04	3.93E-03	6.19E-07	2.15E-07	4.01E-03	6.31E-07	2.20E-07	4.00E-03	6.30E-07	2.20E-07
2635 490360.04, 3858810.04	5.95E-03	9.37E-07	3.26E-07	6.07E-03	9.56E-07	3.33E-07	6.06E-03	9.55E-07	3.33E-07
2636 490410.04, 3858810.04	5.73E-03	9.03E-07	3.15E-07	5.85E-03	9.21E-07	3.21E-07	5.84E-03	9.20E-07	3.21E-07
2637 490460.04, 3858810.04	5.52E-03	8.69E-07	3.03E-07	5.63E-03	8.87E-07	3.09E-07	5.62E-03	8.86E-07	3.09E-07
2638 490510.04, 3858810.04	5.36E-03	8.44E-07	2.94E-07	5.47E-03	8.61E-07	3.00E-07	5.46E-03	8.60E-07	3.00E-07
2639 490560.04, 3858810.04	5.19E-03	8.17E-07	2.85E-07	5.29E-03	8.34E-07	2.91E-07	5.29E-03	8.33E-07	2.90E-07
2640 490610.04, 3858810.04	4.98E-03	7.84E-07	2.73E-07	5.08E-03	8.00E-07	2.79E-07	5.07E-03	7.99E-07	2.78E-07
2641 490660.04, 3858810.04	4.81E-03	7.58E-07	2.64E-07	4.91E-03	7.74E-07	2.69E-07	4.90E-03	7.73E-07	2.69E-07
2642 490710.04, 3858810.04	4.64E-03	7.31E-07	2.55E-07	4.73E-03	7.46E-07	2.60E-07	4.73E-03	7.45E-07	2.59E-07
2643 490760.04, 3858810.04	4.43E-03	6.98E-07	2.43E-07	4.52E-03	7.12E-07	2.48E-07	4.52E-03	7.11E-07	2.48E-07
2644 490810.04, 3858810.04	4.34E-03	6.84E-07	2.38E-07	4.43E-03	6.98E-07	2.43E-07	4.43E-03	6.97E-07	2.43E-07
2645 490860.04, 3858810.04	4.19E-03	6.59E-07	2.30E-07	4.27E-03	6.73E-07	2.34E-07	4.27E-03	6.72E-07	2.34E-07
2646 490360.04, 3858860.04	6.56E-03	1.03E-06	3.60E-07	6.70E-03	1.06E-06	3.68E-07	6.69E-03	1.05E-06	3.67E-07
2647 490410.04, 3858860.04	6.39E-03	1.01E-06	3.50E-07	6.52E-03	1.03E-06	3.58E-07	6.51E-03	1.03E-06	3.57E-07
2648 490460.04, 3858860.04	6.10E-03	9.61E-07	3.35E-07	6.22E-03	9.80E-07	3.42E-07	6.22E-03	9.79E-07	3.41E-07
2649 490510.04, 3858860.04	5.95E-03	9.37E-07	3.26E-07	6.07E-03	9.56E-07	3.33E-07	6.06E-03	9.55E-07	3.33E-07
2650 490560.04, 3858860.04	5.70E-03	8.99E-07	3.13E-07	5.82E-03	9.17E-07	3.19E-07	5.81E-03	9.16E-07	3.19E-07
2651 490610.04, 3858860.04	5.41E-03	8.51E-07	2.97E-07	5.52E-03	8.69E-07	3.03E-07	5.51E-03	8.68E-07	3.02E-07
2652 490660.04, 3858860.04	5.21E-03	8.21E-07	2.86E-07	5.32E-03	8.38E-07	2.92E-07	5.31E-03	8.37E-07	2.92E-07
2653 490710.04, 3858860.04	5.07E-03	7.99E-07	2.78E-07	5.17E-03	8.15E-07	2.84E-07	5.17E-03	8.14E-07	2.84E-07
2654 490760.04, 3858860.04	4.83E-03	7.61E-07	2.65E-07	4.93E-03	7.77E-07	2.71E-07	4.93E-03	7.76E-07	2.70E-07
2655 490810.04, 3858860.04	4.63E-03	7.29E-07	2.54E-07	4.72E-03	7.44E-07	2.59E-07	4.71E-03	7.43E-07	2.59E-07
2656 490860.04, 3858860.04	4.42E-03	6.97E-07	2.43E-07	4.52E-03	7.11E-07	2.48E-07	4.51E-03	7.10E-07	2.48E-07
2657 490360.04, 3858910.04	7.42E-03	1.17E-06	4.07E-07	7.57E-03	1.19E-06	4.16E-07	7.56E-03	1.19E-06	4.15E-07
2658 490410.04, 3858910.04	7.12E-03	1.12E-06	3.91E-07	7.27E-03	1.15E-06	3.99E-07	7.26E-03	1.14E-06	3.98E-07
2659 490460.04, 3858910.04	6.82E-03	1.07E-06	3.74E-07	6.96E-03	1.10E-06	3.82E-07	6.95E-03	1.09E-06	3.81E-07
2660 490510.04, 3858910.04	6.51E-03	1.03E-06	3.57E-07	6.64E-03	1.05E-06	3.64E-07	6.63E-03	1.04E-06	3.64E-07
2661 490560.04, 3858910.04	6.19E-03	9.76E-07	3.40E-07	6.32E-03	9.96E-07	3.47E-07	6.31E-03	9.94E-07	3.46E-07
2662 490610.04, 3858910.04	5.89E-03	9.28E-07	3.23E-07	6.01E-03	9.47E-07	3.30E-07	6.00E-03	9.46E-07	3.29E-07

2663	490660.04, 3858910.04	5.65E-03	8.91E-07	3.10E-07	5.77E-03	9.09E-07	3.17E-07	5.76E-03	9.08E-07	3.16E-07
2664	490710.04, 3858910.04	5.40E-03	8.50E-07	2.96E-07	5.51E-03	8.68E-07	3.02E-07	5.50E-03	8.67E-07	3.02E-07
2665	490760.04, 3858910.04	5.12E-03	8.06E-07	2.81E-07	5.22E-03	8.22E-07	2.87E-07	5.21E-03	8.22E-07	2.86E-07
2666	490810.04, 3858910.04	4.92E-03	7.76E-07	2.70E-07	5.02E-03	7.92E-07	2.76E-07	5.02E-03	7.91E-07	2.75E-07
2667	490860.04, 3858910.04	4.67E-03	7.36E-07	2.57E-07	4.77E-03	7.51E-07	2.62E-07	4.76E-03	7.50E-07	2.61E-07
2668	490360.04, 3858960.04	8.23E-03	1.30E-06	4.52E-07	8.40E-03	1.32E-06	4.61E-07	8.39E-03	1.32E-06	4.60E-07
2669	490410.04, 3858960.04	7.82E-03	1.23E-06	4.29E-07	7.98E-03	1.26E-06	4.38E-07	7.97E-03	1.26E-06	4.38E-07
2670	490460.04, 3858960.04	7.41E-03	1.17E-06	4.07E-07	7.56E-03	1.19E-06	4.15E-07	7.55E-03	1.19E-06	4.15E-07
2671	490510.04, 3858960.04	7.05E-03	1.11E-06	3.87E-07	7.20E-03	1.13E-06	3.95E-07	7.19E-03	1.13E-06	3.95E-07
2672	490560.04, 3858960.04	6.72E-03	1.06E-06	3.69E-07	6.86E-03	1.08E-06	3.76E-07	6.85E-03	1.08E-06	3.76E-07
2673	490610.04, 3858960.04	6.32E-03	9.96E-07	3.47E-07	6.45E-03	1.02E-06	3.54E-07	6.45E-03	1.02E-06	3.54E-07
2674	490660.04, 3858960.04	6.12E-03	9.65E-07	3.36E-07	6.25E-03	9.85E-07	3.43E-07	6.24E-03	9.83E-07	3.43E-07
2675	490710.04, 3858960.04	5.78E-03	9.10E-07	3.17E-07	5.89E-03	9.28E-07	3.23E-07	5.89E-03	9.27E-07	3.23E-07
2676	490760.04, 3858960.04	5.49E-03	8.65E-07	3.01E-07	5.60E-03	8.82E-07	3.07E-07	5.59E-03	8.81E-07	3.07E-07
2677	490810.04, 3858960.04	5.22E-03	8.22E-07	2.86E-07	5.32E-03	8.39E-07	2.92E-07	5.32E-03	8.38E-07	2.92E-07
2678	490860.04, 3858960.04	4.93E-03	7.76E-07	2.70E-07	5.03E-03	7.92E-07	2.76E-07	5.02E-03	7.91E-07	2.76E-07
2679	490360.04, 3859010.04	9.10E-03	1.43E-06	5.00E-07	9.29E-03	1.46E-06	5.10E-07	9.28E-03	1.46E-06	5.09E-07
2680	490410.04, 3859010.04	8.58E-03	1.35E-06	4.71E-07	8.75E-03	1.38E-06	4.80E-07	8.74E-03	1.38E-06	4.80E-07
2681	490460.04, 3859010.04	8.01E-03	1.26E-06	4.40E-07	8.17E-03	1.29E-06	4.49E-07	8.16E-03	1.29E-06	4.48E-07
2682	490510.04, 3859010.04	7.50E-03	1.18E-06	4.11E-07	7.65E-03	1.21E-06	4.20E-07	7.64E-03	1.20E-06	4.19E-07
2683	490560.04, 3859010.04	7.20E-03	1.13E-06	3.95E-07	7.35E-03	1.16E-06	4.03E-07	7.34E-03	1.16E-06	4.03E-07
2684	490610.04, 3859010.04	6.76E-03	1.07E-06	3.71E-07	6.90E-03	1.09E-06	3.79E-07	6.89E-03	1.09E-06	3.78E-07
2685	490660.04, 3859010.04	6.54E-03	1.03E-06	3.59E-07	6.68E-03	1.05E-06	3.66E-07	6.67E-03	1.05E-06	3.66E-07
2686	490710.04, 3859010.04	6.14E-03	9.67E-07	3.37E-07	6.27E-03	9.87E-07	3.44E-07	6.26E-03	9.86E-07	3.43E-07
2687	490760.04, 3859010.04	5.80E-03	9.14E-07	3.18E-07	5.92E-03	9.33E-07	3.25E-07	5.91E-03	9.32E-07	3.25E-07
2688	490810.04, 3859010.04	5.49E-03	8.64E-07	3.01E-07	5.60E-03	8.82E-07	3.07E-07	5.59E-03	8.81E-07	3.07E-07
2689	490860.04, 3859010.04	5.22E-03	8.22E-07	2.86E-07	5.32E-03	8.39E-07	2.92E-07	5.32E-03	8.38E-07	2.92E-07
2690	490360.04, 3859060.04	1.00E-02	1.57E-06	5.49E-07	1.02E-02	1.61E-06	5.60E-07	1.02E-02	1.61E-06	5.59E-07
2691	490410.04, 3859060.04	9.23E-03	1.45E-06	5.06E-07	9.41E-03	1.48E-06	5.17E-07	9.40E-03	1.48E-06	5.16E-07
2692	490460.04, 3859060.04	8.63E-03	1.36E-06	4.73E-07	8.80E-03	1.39E-06	4.83E-07	8.79E-03	1.38E-06	4.82E-07
2693	490510.04, 3859060.04	8.12E-03	1.28E-06	4.46E-07	8.29E-03	1.31E-06	4.55E-07	8.28E-03	1.30E-06	4.54E-07
2694	490560.04, 3859060.04	7.59E-03	1.19E-06	4.16E-07	7.74E-03	1.22E-06	4.25E-07	7.73E-03	1.22E-06	4.24E-07
2695	490610.04, 3859060.04	7.23E-03	1.14E-06	3.97E-07	7.38E-03	1.16E-06	4.05E-07	7.37E-03	1.16E-06	4.04E-07
2696	490660.04, 3859060.04	6.91E-03	1.09E-06	3.79E-07	7.05E-03	1.11E-06	3.87E-07	7.04E-03	1.11E-06	3.87E-07
2697	490710.04, 3859060.04	6.46E-03	1.02E-06	3.55E-07	6.60E-03	1.04E-06	3.62E-07	6.59E-03	1.04E-06	3.62E-07
2698	490760.04, 3859060.04	6.09E-03	9.60E-07	3.34E-07	6.22E-03	9.79E-07	3.41E-07	6.21E-03	9.78E-07	3.41E-07
2699	490810.04, 3859060.04	5.74E-03	9.05E-07	3.15E-07	5.86E-03	9.23E-07	3.22E-07	5.85E-03	9.22E-07	3.21E-07
2700	490860.04, 3859060.04	5.45E-03	8.58E-07	2.99E-07	5.56E-03	8.76E-07	3.05E-07	5.55E-03	8.75E-07	3.05E-07
2701	490360.04, 3859110.04	1.11E-02	1.75E-06	6.09E-07	1.13E-02	1.78E-06	6.21E-07	1.13E-02	1.78E-06	6.20E-07
2702	490410.04, 3859110.04	1.02E-02	1.60E-06	5.59E-07	1.04E-02	1.64E-06	5.70E-07	1.04E-02	1.63E-06	5.69E-07
2703	490460.04, 3859110.04	9.55E-03	1.50E-06	5.24E-07	9.74E-03	1.54E-06	5.35E-07	9.73E-03	1.53E-06	5.34E-07
2704	490510.04, 3859110.04	8.66E-03	1.36E-06	4.75E-07	8.84E-03	1.39E-06	4.85E-07	8.83E-03	1.39E-06	4.85E-07
2705	490560.04, 3859110.04	8.12E-03	1.28E-06	4.46E-07	8.29E-03	1.31E-06	4.55E-07	8.28E-03	1.30E-06	4.54E-07
2706	490610.04, 3859110.04	7.58E-03	1.19E-06	4.16E-07	7.74E-03	1.22E-06	4.25E-07	7.73E-03	1.22E-06	4.24E-07
2707	490660.04, 3859110.04	7.06E-03	1.11E-06	3.87E-07	7.20E-03	1.13E-06	3.95E-07	7.19E-03	1.13E-06	3.95E-07
2708	490710.04, 3859110.04	6.73E-03	1.06E-06	3.69E-07	6.87E-03	1.08E-06	3.77E-07	6.86E-03	1.08E-06	3.76E-07
2709	490760.04, 3859110.04	6.36E-03	1.00E-06	3.49E-07	6.49E-03	1.02E-06	3.56E-07	6.48E-03	1.02E-06	3.56E-07
2710	490810.04, 3859110.04	5.97E-03	9.40E-07	3.27E-07	6.09E-03	9.59E-07	3.34E-07	6.08E-03	9.58E-07	3.34E-07
2711	490860.04, 3859110.04	5.62E-03	8.85E-07	3.08E-07	5.73E-03	9.03E-07	3.15E-07	5.73E-03	9.02E-07	3.14E-07
2712	490360.04, 3859160.04	1.24E-02	1.95E-06	6.80E-07	1.26E-02	1.99E-06	6.94E-07	1.26E-02	1.99E-06	6.93E-07
2713	490410.04, 3859160.04	1.14E-02	1.79E-06	6.23E-07	1.16E-02	1.83E-06	6.36E-07	1.16E-02	1.82E-06	6.35E-07
2714	490460.04, 3859160.04	1.05E-02	1.65E-06	5.75E-07	1.07E-02	1.68E-06	5.87E-07	1.07E-02	1.68E-06	5.86E-07
2715	490510.04, 3859160.04	9.66E-03	1.52E-06	5.30E-07	9.86E-03	1.55E-06	5.41E-07	9.85E-03	1.55E-06	5.40E-07
2716	490560.04, 3859160.04	8.82E-03	1.39E-06	4.84E-07	9.00E-03	1.42E-06	4.94E-07	8.99E-03	1.42E-06	4.93E-07
2717	490610.04, 3859160.04	8.27E-03	1.30E-06	4.54E-07	8.44E-03	1.33E-06	4.63E-07	8.43E-03	1.33E-06	4.63E-07
2718	490660.04, 3859160.04	7.41E-03	1.17E-06	4.07E-07	7.56E-03	1.19E-06	4.15E-07	7.55E-03	1.19E-06	4.15E-07
2719	490710.04, 3859160.04	7.03E-03	1.11E-06	3.86E-07	7.17E-03	1.13E-06	3.94E-07	7.17E-03	1.13E-06	3.93E-07
2720	490760.04, 3859160.04	6.50E-03	1.02E-06	3.57E-07	6.63E-03	1.04E-06	3.64E-07	6.62E-03	1.04E-06	3.63E-07
2721	490810.04, 3859160.04	6.19E-03	9.74E-07	3.39E-07	6.31E-03	9.94E-07	3.46E-07	6.30E-03	9.93E-07	3.46E-07
2722	490860.04, 3859160.04	5.88E-03	9.26E-07	3.23E-07	6.00E-03	9.45E-07	3.29E-07	5.99E-03	9.44E-07	3.29E-07
2723	490360.04, 3859210.04	1.39E-02	2.18E-06	7.61E-07	1.41E-02	2.23E-06	7.76E-07	1.41E-02	2.22E-06	7.75E-07
2724	490410.04, 3859210.04	1.30E-02	2.04E-06	7.12E-07	1.32E-02	2.09E-06	7.27E-07	1.32E-02	2.08E-06	7.26E-07

2725	490460.04, 3859210.04	1.15E-02	1.82E-06	6.33E-07	1.18E-02	1.85E-06	6.46E-07	1.18E-02	1.85E-06	6.45E-07
2726	490510.04, 3859210.04	1.05E-02	1.66E-06	5.79E-07	1.08E-02	1.70E-06	5.91E-07	1.07E-02	1.69E-06	5.90E-07
2727	490560.04, 3859210.04	9.86E-03	1.55E-06	5.41E-07	1.01E-02	1.58E-06	5.52E-07	1.00E-02	1.58E-06	5.51E-07
2728	490610.04, 3859210.04	9.07E-03	1.43E-06	4.98E-07	9.26E-03	1.46E-06	5.08E-07	9.25E-03	1.46E-06	5.07E-07
2729	490660.04, 3859210.04	8.14E-03	1.28E-06	4.47E-07	8.30E-03	1.31E-06	4.56E-07	8.29E-03	1.31E-06	4.55E-07
2730	490710.04, 3859210.04	7.57E-03	1.19E-06	4.15E-07	7.72E-03	1.22E-06	4.24E-07	7.72E-03	1.22E-06	4.23E-07
2731	490760.04, 3859210.04	7.01E-03	1.10E-06	3.85E-07	7.16E-03	1.13E-06	3.93E-07	7.15E-03	1.13E-06	3.92E-07
2732	490810.04, 3859210.04	6.81E-03	1.07E-06	3.74E-07	6.95E-03	1.09E-06	3.81E-07	6.94E-03	1.09E-06	3.81E-07
2733	490860.04, 3859210.04	6.60E-03	1.04E-06	3.62E-07	6.74E-03	1.06E-06	3.70E-07	6.73E-03	1.06E-06	3.69E-07
2734	490360.04, 3859260.04	1.54E-02	2.42E-06	8.43E-07	1.57E-02	2.47E-06	8.60E-07	1.56E-02	2.47E-06	8.59E-07
2735	490410.04, 3859260.04	1.42E-02	2.24E-06	7.79E-07	1.45E-02	2.28E-06	7.95E-07	1.45E-02	2.28E-06	7.94E-07
2736	490460.04, 3859260.04	1.33E-02	2.09E-06	7.28E-07	1.35E-02	2.13E-06	7.43E-07	1.35E-02	2.13E-06	7.42E-07
2737	490510.04, 3859260.04	1.24E-02	1.95E-06	6.78E-07	1.26E-02	1.99E-06	6.92E-07	1.26E-02	1.98E-06	6.91E-07
2738	490560.04, 3859260.04	1.13E-02	1.78E-06	6.21E-07	1.16E-02	1.82E-06	6.34E-07	1.15E-02	1.82E-06	6.33E-07
2739	490610.04, 3859260.04	1.01E-02	1.59E-06	5.55E-07	1.03E-02	1.63E-06	5.67E-07	1.03E-02	1.63E-06	5.66E-07
2740	490660.04, 3859260.04	9.70E-03	1.53E-06	5.33E-07	9.90E-03	1.56E-06	5.43E-07	9.89E-03	1.56E-06	5.43E-07
2741	490710.04, 3859260.04	9.01E-03	1.42E-06	4.95E-07	9.20E-03	1.45E-06	5.05E-07	9.19E-03	1.45E-06	5.04E-07
2742	490760.04, 3859260.04	8.22E-03	1.30E-06	4.51E-07	8.39E-03	1.32E-06	4.61E-07	8.38E-03	1.32E-06	4.60E-07
2743	490810.04, 3859260.04	7.89E-03	1.24E-06	4.33E-07	8.05E-03	1.27E-06	4.42E-07	8.04E-03	1.27E-06	4.41E-07
2744	490860.04, 3859260.04	7.57E-03	1.19E-06	4.15E-07	7.72E-03	1.22E-06	4.24E-07	7.71E-03	1.22E-06	4.23E-07
2745	490360.04, 3859310.04	1.76E-02	2.78E-06	9.67E-07	1.80E-02	2.83E-06	9.87E-07	1.80E-02	2.83E-06	9.86E-07
2746	490410.04, 3859310.04	1.62E-02	2.55E-06	8.89E-07	1.65E-02	2.60E-06	9.07E-07	1.65E-02	2.60E-06	9.06E-07
2747	490460.04, 3859310.04	1.50E-02	2.36E-06	8.24E-07	1.53E-02	2.41E-06	8.41E-07	1.53E-02	2.41E-06	8.40E-07
2748	490510.04, 3859310.04	1.41E-02	2.22E-06	7.73E-07	1.44E-02	2.26E-06	7.89E-07	1.44E-02	2.26E-06	7.88E-07
2749	490560.04, 3859310.04	1.32E-02	2.07E-06	7.22E-07	1.34E-02	2.11E-06	7.37E-07	1.34E-02	2.11E-06	7.36E-07
2750	490610.04, 3859310.04	1.24E-02	1.95E-06	6.80E-07	1.26E-02	1.99E-06	6.94E-07	1.26E-02	1.99E-06	6.93E-07
2751	490660.04, 3859310.04	1.15E-02	1.82E-06	6.33E-07	1.18E-02	1.85E-06	6.46E-07	1.18E-02	1.85E-06	6.45E-07
2752	490710.04, 3859310.04	1.03E-02	1.62E-06	5.66E-07	1.05E-02	1.66E-06	5.78E-07	1.05E-02	1.66E-06	5.77E-07
2753	490760.04, 3859310.04	9.60E-03	1.51E-06	5.27E-07	9.80E-03	1.54E-06	5.38E-07	9.79E-03	1.54E-06	5.37E-07
2754	490810.04, 3859310.04	9.14E-03	1.44E-06	5.02E-07	9.33E-03	1.47E-06	5.12E-07	9.32E-03	1.47E-06	5.12E-07
2755	490860.04, 3859310.04	8.59E-03	1.35E-06	4.71E-07	8.76E-03	1.38E-06	4.81E-07	8.75E-03	1.38E-06	4.80E-07
2756	490360.04, 3859360.04	2.04E-02	3.22E-06	1.12E-06	2.09E-02	3.29E-06	1.15E-06	2.08E-02	3.28E-06	1.14E-06
2757	490410.04, 3859360.04	1.90E-02	2.99E-06	1.04E-06	1.94E-02	3.05E-06	1.06E-06	1.94E-02	3.05E-06	1.06E-06
2758	490460.04, 3859360.04	1.77E-02	2.79E-06	9.73E-07	1.81E-02	2.85E-06	9.93E-07	1.81E-02	2.85E-06	9.92E-07
2759	490510.04, 3859360.04	1.66E-02	2.61E-06	9.09E-07	1.69E-02	2.66E-06	9.27E-07	1.69E-02	2.66E-06	9.26E-07
2760	490560.04, 3859360.04	1.52E-02	2.40E-06	8.36E-07	1.55E-02	2.45E-06	8.53E-07	1.55E-02	2.45E-06	8.52E-07
2761	490610.04, 3859360.04	1.41E-02	2.22E-06	7.72E-07	1.44E-02	2.26E-06	7.88E-07	1.43E-02	2.26E-06	7.87E-07
2762	490660.04, 3859360.04	1.31E-02	2.07E-06	7.20E-07	1.34E-02	2.11E-06	7.35E-07	1.34E-02	2.11E-06	7.34E-07
2763	490710.04, 3859360.04	1.20E-02	1.90E-06	6.60E-07	1.23E-02	1.93E-06	6.74E-07	1.23E-02	1.93E-06	6.73E-07
2764	490760.04, 3859360.04	1.10E-02	1.73E-06	6.04E-07	1.12E-02	1.77E-06	6.17E-07	1.12E-02	1.77E-06	6.16E-07
2765	490810.04, 3859360.04	1.06E-02	1.67E-06	5.82E-07	1.08E-02	1.70E-06	5.93E-07	1.08E-02	1.70E-06	5.93E-07
2766	490860.04, 3859360.04	9.97E-03	1.57E-06	5.47E-07	1.02E-02	1.60E-06	5.59E-07	1.02E-02	1.60E-06	5.58E-07
2767	490360.04, 3859410.04	2.40E-02	3.78E-06	1.32E-06	2.45E-02	3.86E-06	1.35E-06	2.45E-02	3.86E-06	1.34E-06
2768	490410.04, 3859410.04	2.23E-02	3.51E-06	1.22E-06	2.28E-02	3.58E-06	1.25E-06	2.27E-02	3.58E-06	1.25E-06
2769	490460.04, 3859410.04	2.07E-02	3.27E-06	1.14E-06	2.12E-02	3.33E-06	1.16E-06	2.11E-02	3.33E-06	1.16E-06
2770	490510.04, 3859410.04	1.93E-02	3.04E-06	1.06E-06	1.97E-02	3.10E-06	1.08E-06	1.96E-02	3.10E-06	1.08E-06
2771	490560.04, 3859410.04	1.80E-02	2.83E-06	9.86E-07	1.83E-02	2.89E-06	1.01E-06	1.83E-02	2.88E-06	1.00E-06
2772	490610.04, 3859410.04	1.67E-02	2.63E-06	9.17E-07	1.71E-02	2.69E-06	9.36E-07	1.70E-02	2.68E-06	9.35E-07
2773	490660.04, 3859410.04	1.52E-02	2.39E-06	8.34E-07	1.55E-02	2.44E-06	8.51E-07	1.55E-02	2.44E-06	8.50E-07
2774	490710.04, 3859410.04	1.40E-02	2.20E-06	7.67E-07	1.43E-02	2.25E-06	7.82E-07	1.42E-02	2.24E-06	7.81E-07
2775	490760.04, 3859410.04	1.27E-02	2.00E-06	6.97E-07	1.30E-02	2.04E-06	7.11E-07	1.29E-02	2.04E-06	7.10E-07
2776	490810.04, 3859410.04	1.22E-02	1.91E-06	6.67E-07	1.24E-02	1.95E-06	6.81E-07	1.24E-02	1.95E-06	6.80E-07
2777	490860.04, 3859410.04	1.18E-02	1.85E-06	6.45E-07	1.20E-02	1.89E-06	6.58E-07	1.20E-02	1.89E-06	6.57E-07
2778	490360.04, 3859460.04	2.88E-02	4.54E-06	1.58E-06	2.94E-02	4.63E-06	1.61E-06	2.94E-02	4.63E-06	1.61E-06
2779	490410.04, 3859460.04	2.63E-02	4.14E-06	1.44E-06	2.68E-02	4.22E-06	1.47E-06	2.68E-02	4.22E-06	1.47E-06
2780	490460.04, 3859460.04	2.43E-02	3.83E-06	1.33E-06	2.48E-02	3.91E-06	1.36E-06	2.48E-02	3.90E-06	1.36E-06
2781	490510.04, 3859460.04	2.25E-02	3.55E-06	1.24E-06	2.30E-02	3.62E-06	1.26E-06	2.30E-02	3.62E-06	1.26E-06
2782	490560.04, 3859460.04	2.10E-02	3.31E-06	1.15E-06	2.14E-02	3.37E-06	1.18E-06	2.14E-02	3.37E-06	1.17E-06
2783	490610.04, 3859460.04	1.94E-02	3.06E-06	1.06E-06	1.98E-02	3.12E-06	1.09E-06	1.98E-02	3.12E-06	1.09E-06
2784	490660.04, 3859460.04	1.79E-02	2.81E-06	9.80E-07	1.82E-02	2.87E-06	1.00E-06	1.82E-02	2.87E-06	9.99E-07
2785	490710.04, 3859460.04	1.66E-02	2.62E-06	9.12E-07	1.70E-02	2.67E-06	9.31E-07	1.69E-02	2.67E-06	9.30E-07
2786	490760.04, 3859460.04	1.54E-02	2.43E-06	8.45E-07	1.57E-02	2.48E-06	8.63E-07	1.57E-02	2.47E-06	8.61E-07

2787	490810.04, 3859460.04	1.43E-02	2.25E-06	7.85E-07	1.46E-02	2.30E-06	8.01E-07	1.46E-02	2.30E-06	8.00E-07
2788	490860.04, 3859460.04	1.37E-02	2.15E-06	7.50E-07	1.39E-02	2.20E-06	7.65E-07	1.39E-02	2.19E-06	7.64E-07
2789	490360.04, 3859510.04	3.59E-02	5.65E-06	1.97E-06	3.66E-02	5.77E-06	2.01E-06	3.66E-02	5.76E-06	2.01E-06
2790	490410.04, 3859510.04	3.24E-02	5.11E-06	1.78E-06	3.31E-02	5.21E-06	1.82E-06	3.30E-02	5.21E-06	1.81E-06
2791	490460.04, 3859510.04	2.94E-02	4.63E-06	1.61E-06	3.00E-02	4.72E-06	1.64E-06	2.99E-02	4.71E-06	1.64E-06
2792	490510.04, 3859510.04	2.70E-02	4.25E-06	1.48E-06	2.75E-02	4.34E-06	1.51E-06	2.75E-02	4.33E-06	1.51E-06
2793	490560.04, 3859510.04	2.49E-02	3.93E-06	1.37E-06	2.54E-02	4.01E-06	1.40E-06	2.54E-02	4.00E-06	1.39E-06
2794	490610.04, 3859510.04	2.30E-02	3.62E-06	1.26E-06	2.34E-02	3.69E-06	1.29E-06	2.34E-02	3.69E-06	1.28E-06
2795	490660.04, 3859510.04	2.12E-02	3.34E-06	1.16E-06	2.16E-02	3.40E-06	1.19E-06	2.16E-02	3.40E-06	1.18E-06
2796	490710.04, 3859510.04	1.95E-02	3.07E-06	1.07E-06	1.99E-02	3.14E-06	1.09E-06	1.99E-02	3.13E-06	1.09E-06
2797	490760.04, 3859510.04	1.81E-02	2.85E-06	9.92E-07	1.84E-02	2.91E-06	1.01E-06	1.84E-02	2.90E-06	1.01E-06
2798	490810.04, 3859510.04	1.69E-02	2.67E-06	9.30E-07	1.73E-02	2.72E-06	9.49E-07	1.73E-02	2.72E-06	9.48E-07
2799	490860.04, 3859510.04	1.58E-02	2.49E-06	8.68E-07	1.61E-02	2.54E-06	8.86E-07	1.61E-02	2.54E-06	8.85E-07
2800	490360.04, 3859560.04	4.66E-02	7.34E-06	2.56E-06	4.76E-02	7.49E-06	2.61E-06	4.75E-02	7.48E-06	2.61E-06
2801	490410.04, 3859560.04	4.16E-02	6.55E-06	2.28E-06	4.24E-02	6.69E-06	2.33E-06	4.24E-02	6.68E-06	2.33E-06
2802	490460.04, 3859560.04	3.75E-02	5.90E-06	2.06E-06	3.82E-02	6.02E-06	2.10E-06	3.82E-02	6.02E-06	2.10E-06
2803	490510.04, 3859560.04	3.33E-02	5.25E-06	1.83E-06	3.40E-02	5.35E-06	1.86E-06	3.39E-02	5.35E-06	1.86E-06
2804	490560.04, 3859560.04	3.05E-02	4.80E-06	1.67E-06	3.11E-02	4.90E-06	1.71E-06	3.11E-02	4.90E-06	1.71E-06
2805	490610.04, 3859560.04	2.78E-02	4.38E-06	1.53E-06	2.84E-02	4.47E-06	1.56E-06	2.83E-02	4.46E-06	1.56E-06
2806	490660.04, 3859560.04	2.55E-02	4.02E-06	1.40E-06	2.60E-02	4.10E-06	1.43E-06	2.60E-02	4.10E-06	1.43E-06
2807	490710.04, 3859560.04	2.34E-02	3.69E-06	1.28E-06	2.39E-02	3.76E-06	1.31E-06	2.38E-02	3.76E-06	1.31E-06
2808	490760.04, 3859560.04	2.13E-02	3.35E-06	1.17E-06	2.17E-02	3.42E-06	1.19E-06	2.17E-02	3.42E-06	1.19E-06
2809	490810.04, 3859560.04	1.96E-02	3.10E-06	1.08E-06	2.00E-02	3.16E-06	1.10E-06	2.00E-02	3.15E-06	1.10E-06
2810	490860.04, 3859560.04	1.82E-02	2.86E-06	9.96E-07	1.85E-02	2.92E-06	1.02E-06	1.85E-02	2.92E-06	1.02E-06
2811	490187.25, 3859422.08	3.44E-02	5.42E-06	1.89E-06	3.51E-02	5.53E-06	1.93E-06	3.51E-02	5.53E-06	1.93E-06
2812	490237.25, 3859422.08	3.13E-02	4.93E-06	1.72E-06	3.19E-02	5.03E-06	1.75E-06	3.19E-02	5.02E-06	1.75E-06
2813	490287.25, 3859422.08	2.85E-02	4.49E-06	1.56E-06	2.91E-02	4.58E-06	1.60E-06	2.90E-02	4.57E-06	1.59E-06
2814	490337.25, 3859422.08	2.59E-02	4.08E-06	1.42E-06	2.64E-02	4.16E-06	1.45E-06	2.64E-02	4.16E-06	1.45E-06
2815	490187.25, 3859472.08	4.25E-02	6.70E-06	2.33E-06	4.34E-02	6.83E-06	2.38E-06	4.33E-02	6.82E-06	2.38E-06
2816	490237.25, 3859472.08	3.83E-02	6.04E-06	2.10E-06	3.91E-02	6.16E-06	2.15E-06	3.91E-02	6.16E-06	2.14E-06
2817	490287.25, 3859472.08	3.46E-02	5.45E-06	1.90E-06	3.53E-02	5.56E-06	1.94E-06	3.53E-02	5.55E-06	1.93E-06
2818	490337.25, 3859472.08	3.15E-02	4.97E-06	1.73E-06	3.22E-02	5.07E-06	1.77E-06	3.21E-02	5.06E-06	1.76E-06
2819	490297.07, 3859500.42	3.86E-02	6.08E-06	2.12E-06	3.94E-02	6.21E-06	2.16E-06	3.94E-02	6.20E-06	2.16E-06
2820	490327.07, 3859500.42	3.66E-02	5.76E-06	2.01E-06	3.73E-02	5.88E-06	2.05E-06	3.73E-02	5.88E-06	2.05E-06
2821	490297.07, 3859530.42	4.53E-02	7.13E-06	2.48E-06	4.62E-02	7.28E-06	2.54E-06	4.61E-02	7.27E-06	2.53E-06
2822	490327.07, 3859530.42	4.25E-02	6.69E-06	2.33E-06	4.34E-02	6.83E-06	2.38E-06	4.33E-02	6.82E-06	2.38E-06
2823	490319.73, 3859055.34	1.05E-02	1.66E-06	5.79E-07	1.08E-02	1.70E-06	5.91E-07	1.07E-02	1.69E-06	5.90E-07
2824	490319.73, 3859105.34	1.17E-02	1.84E-06	6.41E-07	1.19E-02	1.88E-06	6.54E-07	1.19E-02	1.88E-06	6.54E-07
2825	490069.73, 3859155.34	1.76E-02	2.77E-06	9.66E-07	1.80E-02	2.83E-06	9.86E-07	1.79E-02	2.83E-06	9.85E-07
2826	490119.73, 3859155.34	1.66E-02	2.61E-06	9.10E-07	1.69E-02	2.66E-06	9.28E-07	1.69E-02	2.66E-06	9.27E-07
2827	490269.73, 3859155.34	1.41E-02	2.22E-06	7.73E-07	1.44E-02	2.26E-06	7.88E-07	1.43E-02	2.26E-06	7.87E-07
2828	490319.73, 3859155.34	1.31E-02	2.06E-06	7.19E-07	1.34E-02	2.11E-06	7.34E-07	1.33E-02	2.10E-06	7.33E-07
2829	490069.73, 3859205.34	2.04E-02	3.22E-06	1.12E-06	2.09E-02	3.29E-06	1.15E-06	2.08E-02	3.28E-06	1.14E-06
2830	490119.73, 3859205.34	1.93E-02	3.04E-06	1.06E-06	1.97E-02	3.11E-06	1.08E-06	1.97E-02	3.10E-06	1.08E-06
2831	490169.73, 3859205.34	1.81E-02	2.86E-06	9.95E-07	1.85E-02	2.91E-06	1.02E-06	1.85E-02	2.91E-06	1.01E-06
2832	490219.73, 3859205.34	1.68E-02	2.65E-06	9.24E-07	1.72E-02	2.71E-06	9.43E-07	1.72E-02	2.70E-06	9.42E-07
2833	490269.73, 3859205.34	1.56E-02	2.45E-06	8.54E-07	1.59E-02	2.50E-06	8.71E-07	1.59E-02	2.50E-06	8.70E-07
2834	490319.73, 3859205.34	1.46E-02	2.30E-06	8.00E-07	1.49E-02	2.34E-06	8.17E-07	1.49E-02	2.34E-06	8.16E-07
2835	490069.73, 3859255.34	2.37E-02	3.73E-06	1.30E-06	2.42E-02	3.81E-06	1.33E-06	2.41E-02	3.80E-06	1.33E-06
2836	490119.73, 3859255.34	2.22E-02	3.49E-06	1.22E-06	2.26E-02	3.56E-06	1.24E-06	2.26E-02	3.56E-06	1.24E-06
2837	490169.73, 3859255.34	2.07E-02	3.26E-06	1.14E-06	2.11E-02	3.33E-06	1.16E-06	2.11E-02	3.32E-06	1.16E-06
2838	490219.73, 3859255.34	1.91E-02	3.01E-06	1.05E-06	1.95E-02	3.07E-06	1.07E-06	1.95E-02	3.07E-06	1.07E-06
2839	490269.73, 3859255.34	1.77E-02	2.79E-06	9.71E-07	1.80E-02	2.84E-06	9.90E-07	1.80E-02	2.84E-06	9.89E-07
2840	490319.73, 3859255.34	1.65E-02	2.60E-06	9.05E-07	1.68E-02	2.65E-06	9.24E-07	1.68E-02	2.65E-06	9.22E-07
2841	490069.73, 3859305.34	2.77E-02	4.37E-06	1.52E-06	2.83E-02	4.46E-06	1.55E-06	2.83E-02	4.45E-06	1.55E-06
2842	490119.73, 3859305.34	2.58E-02	4.06E-06	1.41E-06	2.63E-02	4.14E-06	1.44E-06	2.63E-02	4.14E-06	1.44E-06
2843	490169.73, 3859305.34	2.39E-02	3.76E-06	1.31E-06	2.44E-02	3.84E-06	1.34E-06	2.44E-02	3.84E-06	1.34E-06
2844	490219.73, 3859305.34	2.20E-02	3.47E-06	1.21E-06	2.25E-02	3.54E-06	1.23E-06	2.24E-02	3.53E-06	1.23E-06
2845	490269.73, 3859305.34	2.03E-02	3.20E-06	1.11E-06	2.07E-02	3.27E-06	1.14E-06	2.07E-02	3.26E-06	1.14E-06
2846	490319.73, 3859305.34	1.87E-02	2.94E-06	1.03E-06	1.91E-02	3.00E-06	1.05E-06	1.90E-02	3.00E-06	1.05E-06
2847	490069.73, 3859355.34	3.33E-02	5.24E-06	1.83E-06	3.40E-02	5.35E-06	1.86E-06	3.39E-02	5.34E-06	1.86E-06
2848	490119.73, 3859355.34	3.05E-02	4.81E-06	1.68E-06	3.12E-02	4.91E-06	1.71E-06	3.11E-02	4.90E-06	1.71E-06

2849	490169.73, 3859355.34	2.81E-02	4.42E-06	1.54E-06	2.86E-02	4.51E-06	1.57E-06	2.86E-02	4.50E-06	1.57E-06
2850	490219.73, 3859355.34	2.57E-02	4.05E-06	1.41E-06	2.62E-02	4.13E-06	1.44E-06	2.62E-02	4.12E-06	1.44E-06
2851	490269.73, 3859355.34	2.35E-02	3.71E-06	1.29E-06	2.40E-02	3.79E-06	1.32E-06	2.40E-02	3.78E-06	1.32E-06
2852	490319.73, 3859355.34	2.16E-02	3.41E-06	1.19E-06	2.21E-02	3.48E-06	1.21E-06	2.20E-02	3.47E-06	1.21E-06
2853	490069.73, 3859405.34	4.08E-02	6.43E-06	2.24E-06	4.17E-02	6.56E-06	2.29E-06	4.16E-02	6.56E-06	2.28E-06
2854	490119.73, 3859405.34	3.68E-02	5.80E-06	2.02E-06	3.75E-02	5.91E-06	2.06E-06	3.75E-02	5.91E-06	2.06E-06
2855	490169.73, 3859405.34	3.34E-02	5.26E-06	1.83E-06	3.41E-02	5.37E-06	1.87E-06	3.40E-02	5.36E-06	1.87E-06
2856	490219.73, 3859405.34	3.04E-02	4.80E-06	1.67E-06	3.11E-02	4.89E-06	1.71E-06	3.10E-02	4.89E-06	1.70E-06
2857	490269.73, 3859405.34	2.77E-02	4.36E-06	1.52E-06	2.83E-02	4.45E-06	1.55E-06	2.82E-02	4.45E-06	1.55E-06
2858	490319.73, 3859405.34	2.51E-02	3.96E-06	1.38E-06	2.57E-02	4.04E-06	1.41E-06	2.56E-02	4.04E-06	1.41E-06
2859	490161.89, 3859541.83	6.95E-02	1.09E-05	3.81E-06	7.09E-02	1.12E-05	3.89E-06	7.08E-02	1.12E-05	3.89E-06
2860	490171.89, 3859541.83	6.74E-02	1.06E-05	3.70E-06	6.88E-02	1.08E-05	3.77E-06	6.87E-02	1.08E-05	3.77E-06
2861	490161.89, 3859551.83	7.60E-02	1.20E-05	4.17E-06	7.76E-02	1.22E-05	4.26E-06	7.75E-02	1.22E-05	4.25E-06
2862	490171.89, 3859551.83	7.35E-02	1.16E-05	4.03E-06	7.50E-02	1.18E-05	4.11E-06	7.49E-02	1.18E-05	4.11E-06
2863	489799.72, 3859348.21	6.44E-02	1.01E-05	3.54E-06	6.57E-02	1.04E-05	3.61E-06	6.57E-02	1.03E-05	3.60E-06
2864	489819.72, 3859348.21	5.99E-02	9.44E-06	3.29E-06	6.11E-02	9.63E-06	3.36E-06	6.11E-02	9.62E-06	3.35E-06
2865	489799.72, 3859368.21	7.52E-02	1.18E-05	4.13E-06	7.67E-02	1.21E-05	4.21E-06	7.66E-02	1.21E-05	4.21E-06
2866	489819.72, 3859368.21	6.91E-02	1.09E-05	3.79E-06	7.05E-02	1.11E-05	3.87E-06	7.04E-02	1.11E-05	3.86E-06
2867	489775.41, 3859329.72	6.19E-02	9.76E-06	3.40E-06	6.32E-02	9.96E-06	3.47E-06	6.31E-02	9.95E-06	3.47E-06
2868	489795.41, 3859329.72	5.77E-02	9.10E-06	3.17E-06	5.89E-02	9.28E-06	3.23E-06	5.89E-02	9.27E-06	3.23E-06
2869	489775.41, 3859349.72	7.19E-02	1.13E-05	3.94E-06	7.33E-02	1.16E-05	4.02E-06	7.32E-02	1.15E-05	4.02E-06
2870	489795.41, 3859349.72	6.62E-02	1.04E-05	3.63E-06	6.76E-02	1.06E-05	3.71E-06	6.75E-02	1.06E-05	3.70E-06
2871	489595.05, 3859219.43	5.55E-02	8.74E-06	3.04E-06	5.66E-02	8.92E-06	3.11E-06	5.65E-02	8.90E-06	3.10E-06
2872	489615.05, 3859219.43	5.19E-02	8.18E-06	2.85E-06	5.30E-02	8.34E-06	2.91E-06	5.29E-02	8.33E-06	2.90E-06
2873	489595.05, 3859239.43	6.39E-02	1.01E-05	3.50E-06	6.52E-02	1.03E-05	3.58E-06	6.51E-02	1.03E-05	3.57E-06
2874	489615.05, 3859239.43	5.92E-02	9.33E-06	3.25E-06	6.04E-02	9.52E-06	3.32E-06	6.04E-02	9.51E-06	3.31E-06
2875	489372.4, 3859092.58	5.04E-02	7.93E-06	2.76E-06	5.14E-02	8.09E-06	2.82E-06	5.13E-02	8.08E-06	2.82E-06
2876	489422.4, 3859092.58	4.31E-02	6.78E-06	2.36E-06	4.39E-02	6.92E-06	2.41E-06	4.39E-02	6.91E-06	2.41E-06
2877	489372.4, 3859142.58	7.36E-02	1.16E-05	4.04E-06	7.51E-02	1.18E-05	4.12E-06	7.50E-02	1.18E-05	4.12E-06
2878	489422.4, 3859142.58	5.98E-02	9.42E-06	3.28E-06	6.10E-02	9.61E-06	3.35E-06	6.10E-02	9.60E-06	3.35E-06
2879	488870.84, 3858666.64	4.20E-03	6.62E-07	2.31E-07	4.29E-03	6.75E-07	2.35E-07	4.28E-03	6.75E-07	2.35E-07
2880	488900.84, 3858666.64	4.20E-03	6.62E-07	2.31E-07	4.29E-03	6.75E-07	2.35E-07	4.28E-03	6.75E-07	2.35E-07
2881	488870.84, 3858696.64	4.67E-03	7.36E-07	2.56E-07	4.77E-03	7.51E-07	2.62E-07	4.76E-03	7.50E-07	2.61E-07
2882	488900.84, 3858696.64	4.67E-03	7.36E-07	2.56E-07	4.77E-03	7.51E-07	2.62E-07	4.76E-03	7.50E-07	2.61E-07
2883	488889.67, 3858683.97	4.46E-03	7.03E-07	2.45E-07	4.55E-03	7.17E-07	2.50E-07	4.55E-03	7.16E-07	2.50E-07
2884	488919.67, 3858683.97	4.46E-03	7.02E-07	2.45E-07	4.55E-03	7.17E-07	2.50E-07	4.54E-03	7.16E-07	2.49E-07
2885	488889.67, 3858713.97	5.01E-03	7.89E-07	2.75E-07	5.11E-03	8.05E-07	2.80E-07	5.10E-03	8.04E-07	2.80E-07
2886	488919.67, 3858713.97	5.00E-03	7.88E-07	2.75E-07	5.11E-03	8.04E-07	2.80E-07	5.10E-03	8.03E-07	2.80E-07
2887	488906.61, 3858703.33	4.79E-03	7.55E-07	2.63E-07	4.89E-03	7.71E-07	2.69E-07	4.89E-03	7.70E-07	2.68E-07
2888	488936.61, 3858703.33	4.79E-03	7.55E-07	2.63E-07	4.89E-03	7.70E-07	2.68E-07	4.88E-03	7.69E-07	2.68E-07
2889	488906.61, 3858733.33	5.45E-03	8.58E-07	2.99E-07	5.56E-03	8.76E-07	3.05E-07	5.55E-03	8.75E-07	3.05E-07
2890	488936.61, 3858733.33	5.45E-03	8.58E-07	2.99E-07	5.56E-03	8.76E-07	3.05E-07	5.55E-03	8.75E-07	3.05E-07
2891	488637.63, 3858467.85	2.53E-03	3.98E-07	1.39E-07	2.58E-03	4.06E-07	1.42E-07	2.58E-03	4.06E-07	1.41E-07
2892	488662.63, 3858467.85	2.54E-03	4.00E-07	1.39E-07	2.59E-03	4.08E-07	1.42E-07	2.59E-03	4.08E-07	1.42E-07
2893	488637.63, 3858492.85	2.64E-03	4.15E-07	1.45E-07	2.69E-03	4.24E-07	1.48E-07	2.69E-03	4.23E-07	1.47E-07
2894	488662.63, 3858492.85	2.65E-03	4.18E-07	1.45E-07	2.71E-03	4.26E-07	1.48E-07	2.70E-03	4.26E-07	1.48E-07
2895	488687.63, 3858492.85	2.66E-03	4.19E-07	1.46E-07	2.72E-03	4.28E-07	1.49E-07	2.71E-03	4.28E-07	1.49E-07
2896	488637.63, 3858517.85	2.75E-03	4.34E-07	1.51E-07	2.81E-03	4.43E-07	1.54E-07	2.81E-03	4.42E-07	1.54E-07
2897	488662.63, 3858517.85	2.77E-03	4.37E-07	1.52E-07	2.83E-03	4.46E-07	1.55E-07	2.83E-03	4.45E-07	1.55E-07
2898	488687.63, 3858517.85	2.79E-03	4.39E-07	1.53E-07	2.85E-03	4.48E-07	1.56E-07	2.84E-03	4.48E-07	1.56E-07
2899	488194.42, 3857168.98	9.63E-04	1.52E-07	5.28E-08	9.82E-04	1.55E-07	5.39E-08	9.81E-04	1.55E-07	5.38E-08
2900	488244.42, 3857168.98	9.67E-04	1.52E-07	5.31E-08	9.87E-04	1.56E-07	5.42E-08	9.86E-04	1.55E-07	5.41E-08
2901	488294.42, 3857168.98	9.70E-04	1.53E-07	5.32E-08	9.90E-04	1.56E-07	5.43E-08	9.88E-04	1.56E-07	5.42E-08
2902	488244.42, 3857218.98	9.75E-04	1.54E-07	5.35E-08	9.95E-04	1.57E-07	5.46E-08	9.94E-04	1.57E-07	5.46E-08
2903	488294.42, 3857218.98	9.79E-04	1.54E-07	5.38E-08	9.99E-04	1.57E-07	5.49E-08	9.98E-04	1.57E-07	5.48E-08
2904	488294.42, 3857268.98	9.91E-04	1.56E-07	5.44E-08	1.01E-03	1.59E-07	5.55E-08	1.01E-03	1.59E-07	5.54E-08
2905	488139.13, 3857111.68	9.51E-04	1.50E-07	5.22E-08	9.71E-04	1.53E-07	5.33E-08	9.69E-04	1.53E-07	5.32E-08
2906	488189.13, 3857111.68	9.56E-04	1.51E-07	5.25E-08	9.76E-04	1.54E-07	5.36E-08	9.75E-04	1.54E-07	5.35E-08
2907	488189.13, 3857161.68	9.61E-04	1.51E-07	5.28E-08	9.81E-04	1.55E-07	5.38E-08	9.80E-04	1.54E-07	5.38E-08
2908	487951.04, 3856961.26	9.28E-04	1.46E-07	5.09E-08	9.47E-04	1.49E-07	5.20E-08	9.46E-04	1.49E-07	5.19E-08
2909	488001.04, 3856961.26	9.31E-04	1.47E-07	5.11E-08	9.50E-04	1.50E-07	5.21E-08	9.48E-04	1.49E-07	5.21E-08
2910	488051.04, 3856961.26	9.29E-04	1.46E-07	5.10E-08	9.48E-04	1.49E-07	5.20E-08	9.47E-04	1.49E-07	5.20E-08

2911	488101.04, 3856961.26	9.34E-04	1.47E-07	5.13E-08	9.53E-04	1.50E-07	5.23E-08	9.52E-04	1.50E-07	5.23E-08
2912	487951.04, 3857011.26	9.35E-04	1.47E-07	5.13E-08	9.54E-04	1.50E-07	5.23E-08	9.53E-04	1.50E-07	5.23E-08
2913	488001.04, 3857011.26	9.34E-04	1.47E-07	5.13E-08	9.53E-04	1.50E-07	5.23E-08	9.52E-04	1.50E-07	5.23E-08
2914	488051.04, 3857011.26	9.34E-04	1.47E-07	5.12E-08	9.53E-04	1.50E-07	5.23E-08	9.52E-04	1.50E-07	5.22E-08
2915	488101.04, 3857011.26	9.39E-04	1.48E-07	5.16E-08	9.59E-04	1.51E-07	5.26E-08	9.57E-04	1.51E-07	5.25E-08
2916	488001.04, 3857061.26	9.40E-04	1.48E-07	5.16E-08	9.59E-04	1.51E-07	5.26E-08	9.58E-04	1.51E-07	5.26E-08
2917	488051.04, 3857061.26	9.42E-04	1.48E-07	5.17E-08	9.62E-04	1.51E-07	5.28E-08	9.60E-04	1.51E-07	5.27E-08
2918	488101.04, 3857061.26	9.46E-04	1.49E-07	5.19E-08	9.65E-04	1.52E-07	5.30E-08	9.64E-04	1.52E-07	5.29E-08
2919	487638.98, 3856673.79	8.95E-04	1.41E-07	4.91E-08	9.13E-04	1.44E-07	5.01E-08	9.12E-04	1.44E-07	5.01E-08
2920	487688.98, 3856673.79	8.98E-04	1.42E-07	4.93E-08	9.17E-04	1.44E-07	5.03E-08	9.16E-04	1.44E-07	5.03E-08
2921	487638.98, 3856723.79	8.97E-04	1.41E-07	4.92E-08	9.15E-04	1.44E-07	5.02E-08	9.14E-04	1.44E-07	5.02E-08
2922	487688.98, 3856723.79	9.00E-04	1.42E-07	4.94E-08	9.18E-04	1.45E-07	5.04E-08	9.17E-04	1.44E-07	5.03E-08
2923	486324.61, 3855740.57	9.74E-04	1.53E-07	5.34E-08	9.94E-04	1.57E-07	5.45E-08	9.93E-04	1.56E-07	5.45E-08
2924	486374.61, 3855740.57	9.61E-04	1.51E-07	5.28E-08	9.81E-04	1.55E-07	5.38E-08	9.80E-04	1.54E-07	5.38E-08
2925	486424.61, 3855740.57	9.57E-04	1.51E-07	5.25E-08	9.77E-04	1.54E-07	5.36E-08	9.75E-04	1.54E-07	5.35E-08
2926	486324.61, 3855790.57	9.64E-04	1.52E-07	5.29E-08	9.84E-04	1.55E-07	5.40E-08	9.83E-04	1.55E-07	5.39E-08
2927	486374.61, 3855790.57	9.53E-04	1.50E-07	5.23E-08	9.72E-04	1.53E-07	5.34E-08	9.71E-04	1.53E-07	5.33E-08
2928	486424.61, 3855790.57	9.51E-04	1.50E-07	5.22E-08	9.71E-04	1.53E-07	5.33E-08	9.69E-04	1.53E-07	5.32E-08
2929	486324.61, 3855840.57	9.55E-04	1.50E-07	5.24E-08	9.75E-04	1.54E-07	5.35E-08	9.74E-04	1.53E-07	5.34E-08
2930	486374.61, 3855840.57	9.52E-04	1.50E-07	5.22E-08	9.71E-04	1.53E-07	5.33E-08	9.70E-04	1.53E-07	5.32E-08
2931	486424.61, 3855840.57	9.46E-04	1.49E-07	5.19E-08	9.65E-04	1.52E-07	5.30E-08	9.64E-04	1.52E-07	5.29E-08
2932	486324.61, 3855890.57	9.55E-04	1.50E-07	5.24E-08	9.74E-04	1.53E-07	5.35E-08	9.73E-04	1.53E-07	5.34E-08
2933	486374.61, 3855890.57	9.50E-04	1.50E-07	5.21E-08	9.69E-04	1.53E-07	5.32E-08	9.68E-04	1.52E-07	5.31E-08
2934	486424.61, 3855890.57	9.43E-04	1.49E-07	5.18E-08	9.62E-04	1.52E-07	5.28E-08	9.61E-04	1.51E-07	5.27E-08
2935	488735.69, 3858285.64	1.96E-03	3.09E-07	1.08E-07	2.00E-03	3.16E-07	1.10E-07	2.00E-03	3.15E-07	1.10E-07
2936	488765.69, 3858285.64	1.97E-03	3.10E-07	1.08E-07	2.01E-03	3.17E-07	1.10E-07	2.01E-03	3.16E-07	1.10E-07
2937	488735.69, 3858315.64	2.04E-03	3.21E-07	1.12E-07	2.08E-03	3.28E-07	1.14E-07	2.08E-03	3.27E-07	1.14E-07
2938	488765.69, 3858315.64	2.05E-03	3.22E-07	1.12E-07	2.09E-03	3.29E-07	1.15E-07	2.09E-03	3.28E-07	1.14E-07
2939	478676.63, 3849871.93	2.13E-02	3.35E-06	1.17E-06	2.17E-02	3.42E-06	1.19E-06	2.17E-02	3.41E-06	1.19E-06
2940	479326.63, 3849871.93	1.31E-02	2.06E-06	7.19E-07	1.34E-02	2.11E-06	7.34E-07	1.34E-02	2.10E-06	7.33E-07
2941	479376.63, 3849871.93	1.27E-02	2.00E-06	6.98E-07	1.30E-02	2.04E-06	7.12E-07	1.30E-02	2.04E-06	7.12E-07
2942	479426.63, 3849871.93	1.24E-02	1.96E-06	6.83E-07	1.27E-02	2.00E-06	6.97E-07	1.27E-02	2.00E-06	6.96E-07
2943	478726.63, 3849921.93	2.22E-02	3.50E-06	1.22E-06	2.27E-02	3.58E-06	1.25E-06	2.27E-02	3.57E-06	1.24E-06
2944	478776.63, 3849921.93	2.13E-02	3.36E-06	1.17E-06	2.17E-02	3.42E-06	1.19E-06	2.17E-02	3.42E-06	1.19E-06
2945	478826.63, 3849921.93	2.04E-02	3.22E-06	1.12E-06	2.08E-02	3.28E-06	1.14E-06	2.08E-02	3.28E-06	1.14E-06
2946	478976.63, 3849921.93	1.81E-02	2.85E-06	9.94E-07	1.85E-02	2.91E-06	1.01E-06	1.85E-02	2.91E-06	1.01E-06
2947	479026.63, 3849921.93	1.75E-02	2.76E-06	9.63E-07	1.79E-02	2.82E-06	9.82E-07	1.79E-02	2.82E-06	9.81E-07
2948	479076.63, 3849921.93	1.69E-02	2.67E-06	9.29E-07	1.73E-02	2.72E-06	9.48E-07	1.73E-02	2.72E-06	9.47E-07
2949	479126.63, 3849921.93	1.63E-02	2.57E-06	8.97E-07	1.67E-02	2.63E-06	9.15E-07	1.67E-02	2.62E-06	9.14E-07
2950	479176.63, 3849921.93	1.58E-02	2.49E-06	8.69E-07	1.62E-02	2.55E-06	8.87E-07	1.61E-02	2.54E-06	8.86E-07
2951	479226.63, 3849921.93	1.52E-02	2.39E-06	8.33E-07	1.55E-02	2.44E-06	8.50E-07	1.55E-02	2.44E-06	8.49E-07
2952	479276.63, 3849921.93	1.43E-02	2.26E-06	7.86E-07	1.46E-02	2.30E-06	8.02E-07	1.46E-02	2.30E-06	8.01E-07
2953	479326.63, 3849921.93	1.43E-02	2.25E-06	7.86E-07	1.46E-02	2.30E-06	8.02E-07	1.46E-02	2.30E-06	8.01E-07
2954	479376.63, 3849921.93	1.35E-02	2.13E-06	7.42E-07	1.38E-02	2.17E-06	7.58E-07	1.38E-02	2.17E-06	7.57E-07
2955	479426.63, 3849921.93	1.34E-02	2.11E-06	7.36E-07	1.37E-02	2.15E-06	7.51E-07	1.37E-02	2.15E-06	7.50E-07
2956	478726.63, 3849971.93	2.44E-02	3.85E-06	1.34E-06	2.49E-02	3.92E-06	1.37E-06	2.49E-02	3.92E-06	1.37E-06
2957	478776.63, 3849971.93	2.33E-02	3.67E-06	1.28E-06	2.38E-02	3.74E-06	1.30E-06	2.37E-02	3.74E-06	1.30E-06
2958	478826.63, 3849971.93	2.23E-02	3.51E-06	1.22E-06	2.27E-02	3.58E-06	1.25E-06	2.27E-02	3.57E-06	1.24E-06
2959	478976.63, 3849971.93	1.97E-02	3.10E-06	1.08E-06	2.01E-02	3.17E-06	1.10E-06	2.01E-02	3.16E-06	1.10E-06
2960	479026.63, 3849971.93	1.89E-02	2.98E-06	1.04E-06	1.93E-02	3.04E-06	1.06E-06	1.93E-02	3.04E-06	1.06E-06
2961	479076.63, 3849971.93	1.82E-02	2.86E-06	9.97E-07	1.85E-02	2.92E-06	1.02E-06	1.85E-02	2.92E-06	1.02E-06
2962	479126.63, 3849971.93	1.75E-02	2.76E-06	9.61E-07	1.79E-02	2.82E-06	9.81E-07	1.79E-02	2.81E-06	9.80E-07
2963	479176.63, 3849971.93	1.69E-02	2.67E-06	9.29E-07	1.73E-02	2.72E-06	9.48E-07	1.73E-02	2.72E-06	9.47E-07
2964	479226.63, 3849971.93	1.59E-02	2.50E-06	8.70E-07	1.62E-02	2.55E-06	8.88E-07	1.62E-02	2.55E-06	8.87E-07
2965	479276.63, 3849971.93	1.57E-02	2.47E-06	8.60E-07	1.60E-02	2.52E-06	8.77E-07	1.60E-02	2.52E-06	8.76E-07
2966	479326.63, 3849971.93	1.54E-02	2.42E-06	8.44E-07	1.57E-02	2.47E-06	8.61E-07	1.57E-02	2.47E-06	8.60E-07
2967	479376.63, 3849971.93	1.46E-02	2.30E-06	8.02E-07	1.49E-02	2.35E-06	8.18E-07	1.49E-02	2.35E-06	8.17E-07
2968	479426.63, 3849971.93	1.43E-02	2.25E-06	7.83E-07	1.46E-02	2.29E-06	7.99E-07	1.45E-02	2.29E-06	7.98E-07
2969	478726.63, 3850021.93	2.71E-02	4.26E-06	1.48E-06	2.76E-02	4.35E-06	1.52E-06	2.76E-02	4.34E-06	1.51E-06
2970	478776.63, 3850021.93	2.57E-02	4.04E-06	1.41E-06	2.62E-02	4.13E-06	1.44E-06	2.62E-02	4.12E-06	1.44E-06
2971	478826.63, 3850021.93	2.44E-02	3.85E-06	1.34E-06	2.49E-02	3.93E-06	1.37E-06	2.49E-02	3.92E-06	1.37E-06
2972	478976.63, 3850021.93	2.14E-02	3.37E-06	1.17E-06	2.18E-02	3.44E-06	1.20E-06	2.18E-02	3.43E-06	1.20E-06

2973	478726.63, 3850071.93	3.04E-02	4.79E-06	1.67E-06	3.10E-02	4.88E-06	1.70E-06	3.10E-02	4.88E-06	1.70E-06
2974	478776.63, 3850071.93	2.86E-02	4.51E-06	1.57E-06	2.92E-02	4.60E-06	1.60E-06	2.92E-02	4.60E-06	1.60E-06
2975	478826.63, 3850071.93	2.71E-02	4.27E-06	1.49E-06	2.77E-02	4.36E-06	1.52E-06	2.76E-02	4.35E-06	1.52E-06
2976	478876.63, 3850071.93	2.57E-02	4.06E-06	1.41E-06	2.63E-02	4.14E-06	1.44E-06	2.62E-02	4.13E-06	1.44E-06
2977	478976.63, 3850071.93	2.34E-02	3.68E-06	1.28E-06	2.39E-02	3.76E-06	1.31E-06	2.38E-02	3.76E-06	1.31E-06
2978	478726.63, 3850121.93	3.47E-02	5.47E-06	1.91E-06	3.54E-02	5.58E-06	1.94E-06	3.54E-02	5.58E-06	1.94E-06
2979	478776.63, 3850121.93	3.24E-02	5.11E-06	1.78E-06	3.31E-02	5.21E-06	1.82E-06	3.30E-02	5.20E-06	1.81E-06
2980	478826.63, 3850121.93	3.04E-02	4.80E-06	1.67E-06	3.11E-02	4.89E-06	1.70E-06	3.10E-02	4.89E-06	1.70E-06
2981	478876.63, 3850121.93	2.87E-02	4.52E-06	1.58E-06	2.93E-02	4.62E-06	1.61E-06	2.93E-02	4.61E-06	1.61E-06
2982	478976.63, 3850121.93	2.58E-02	4.06E-06	1.42E-06	2.63E-02	4.14E-06	1.44E-06	2.63E-02	4.14E-06	1.44E-06
2983	479026.63, 3850121.93	2.46E-02	3.87E-06	1.35E-06	2.51E-02	3.95E-06	1.38E-06	2.50E-02	3.94E-06	1.37E-06
2984	479076.63, 3850121.93	2.34E-02	3.69E-06	1.29E-06	2.39E-02	3.77E-06	1.31E-06	2.39E-02	3.76E-06	1.31E-06
2985	479126.63, 3850121.93	2.24E-02	3.53E-06	1.23E-06	2.28E-02	3.60E-06	1.25E-06	2.28E-02	3.59E-06	1.25E-06
2986	478776.63, 3850171.93	3.75E-02	5.91E-06	2.06E-06	3.83E-02	6.03E-06	2.10E-06	3.82E-02	6.02E-06	2.10E-06
2987	478826.63, 3850171.93	3.48E-02	5.49E-06	1.91E-06	3.56E-02	5.60E-06	1.95E-06	3.55E-02	5.59E-06	1.95E-06
2988	478876.63, 3850171.93	3.25E-02	5.13E-06	1.79E-06	3.32E-02	5.23E-06	1.82E-06	3.32E-02	5.22E-06	1.82E-06
2989	478976.63, 3850171.93	2.88E-02	4.54E-06	1.58E-06	2.94E-02	4.63E-06	1.61E-06	2.93E-02	4.62E-06	1.61E-06
2990	479026.63, 3850171.93	2.72E-02	4.29E-06	1.50E-06	2.78E-02	4.38E-06	1.53E-06	2.78E-02	4.37E-06	1.52E-06
2991	479076.63, 3850171.93	2.59E-02	4.08E-06	1.42E-06	2.64E-02	4.16E-06	1.45E-06	2.64E-02	4.16E-06	1.45E-06
2992	479126.63, 3850171.93	2.46E-02	3.88E-06	1.35E-06	2.51E-02	3.96E-06	1.38E-06	2.51E-02	3.95E-06	1.38E-06
2993	479176.63, 3850171.93	2.35E-02	3.70E-06	1.29E-06	2.40E-02	3.78E-06	1.32E-06	2.40E-02	3.77E-06	1.31E-06
2994	479226.63, 3850171.93	2.25E-02	3.55E-06	1.24E-06	2.30E-02	3.62E-06	1.26E-06	2.30E-02	3.62E-06	1.26E-06
2995	479276.63, 3850171.93	2.16E-02	3.41E-06	1.19E-06	2.21E-02	3.47E-06	1.21E-06	2.20E-02	3.47E-06	1.21E-06
2996	479326.63, 3850171.93	2.08E-02	3.28E-06	1.14E-06	2.12E-02	3.34E-06	1.16E-06	2.12E-02	3.34E-06	1.16E-06
2997	479376.63, 3850171.93	1.99E-02	3.14E-06	1.09E-06	2.03E-02	3.21E-06	1.12E-06	2.03E-02	3.20E-06	1.12E-06
2998	478676.63, 3850221.93	5.67E-02	8.94E-06	3.11E-06	5.79E-02	9.12E-06	3.18E-06	5.78E-02	9.11E-06	3.17E-06
2999	478726.63, 3850221.93	5.00E-02	7.87E-06	2.74E-06	5.10E-02	8.04E-06	2.80E-06	5.09E-02	8.03E-06	2.80E-06
3000	478976.63, 3850221.93	3.26E-02	5.14E-06	1.79E-06	3.33E-02	5.24E-06	1.83E-06	3.32E-02	5.24E-06	1.82E-06
3001	479026.63, 3850221.93	3.06E-02	4.82E-06	1.68E-06	3.12E-02	4.92E-06	1.71E-06	3.12E-02	4.91E-06	1.71E-06
3002	479076.63, 3850221.93	2.89E-02	4.55E-06	1.58E-06	2.95E-02	4.64E-06	1.62E-06	2.94E-02	4.64E-06	1.62E-06
3003	479126.63, 3850221.93	2.74E-02	4.31E-06	1.50E-06	2.79E-02	4.40E-06	1.53E-06	2.79E-02	4.39E-06	1.53E-06
3004	479176.63, 3850221.93	2.60E-02	4.09E-06	1.42E-06	2.65E-02	4.17E-06	1.45E-06	2.65E-02	4.17E-06	1.45E-06
3005	479226.63, 3850221.93	2.47E-02	3.89E-06	1.36E-06	2.52E-02	3.97E-06	1.38E-06	2.52E-02	3.97E-06	1.38E-06
3006	479276.63, 3850221.93	2.36E-02	3.71E-06	1.29E-06	2.40E-02	3.79E-06	1.32E-06	2.40E-02	3.78E-06	1.32E-06
3007	479326.63, 3850221.93	2.26E-02	3.56E-06	1.24E-06	2.31E-02	3.63E-06	1.27E-06	2.30E-02	3.63E-06	1.26E-06
3008	479376.63, 3850221.93	2.17E-02	3.42E-06	1.19E-06	2.21E-02	3.49E-06	1.22E-06	2.21E-02	3.48E-06	1.21E-06
3009	478676.63, 3850271.93	7.91E-02	1.25E-05	4.34E-06	8.08E-02	1.27E-05	4.43E-06	8.07E-02	1.27E-05	4.43E-06
3010	478726.63, 3850271.93	6.58E-02	1.04E-05	3.61E-06	6.72E-02	1.06E-05	3.69E-06	6.71E-02	1.06E-05	3.68E-06
3011	478976.63, 3850271.93	3.78E-02	5.96E-06	2.08E-06	3.86E-02	6.08E-06	2.12E-06	3.86E-02	6.08E-06	2.12E-06
3012	479026.63, 3850271.93	3.50E-02	5.51E-06	1.92E-06	3.57E-02	5.63E-06	1.96E-06	3.57E-02	5.62E-06	1.96E-06
3013	479076.63, 3850271.93	3.27E-02	5.15E-06	1.79E-06	3.34E-02	5.26E-06	1.83E-06	3.33E-02	5.25E-06	1.83E-06
3014	479126.63, 3850271.93	3.07E-02	4.84E-06	1.68E-06	3.13E-02	4.93E-06	1.72E-06	3.13E-02	4.93E-06	1.72E-06
3015	479176.63, 3850271.93	2.89E-02	4.56E-06	1.59E-06	2.95E-02	4.65E-06	1.62E-06	2.95E-02	4.64E-06	1.62E-06
3016	479226.63, 3850271.93	2.73E-02	4.31E-06	1.50E-06	2.79E-02	4.39E-06	1.53E-06	2.79E-02	4.39E-06	1.53E-06
3017	479276.63, 3850271.93	2.60E-02	4.09E-06	1.43E-06	2.65E-02	4.17E-06	1.45E-06	2.65E-02	4.17E-06	1.45E-06
3018	479326.63, 3850271.93	2.48E-02	3.91E-06	1.36E-06	2.53E-02	3.99E-06	1.39E-06	2.53E-02	3.98E-06	1.39E-06
3019	479376.63, 3850271.93	2.37E-02	3.74E-06	1.30E-06	2.42E-02	3.81E-06	1.33E-06	2.42E-02	3.81E-06	1.33E-06
3020	479053.24, 3850293.52	3.59E-02	5.65E-06	1.97E-06	3.66E-02	5.77E-06	2.01E-06	3.66E-02	5.76E-06	2.01E-06
3021	479103.24, 3850293.52	3.34E-02	5.26E-06	1.83E-06	3.41E-02	5.37E-06	1.87E-06	3.41E-02	5.37E-06	1.87E-06
3022	479153.24, 3850293.52	3.14E-02	4.94E-06	1.72E-06	3.20E-02	5.04E-06	1.76E-06	3.20E-02	5.03E-06	1.75E-06
3023	479203.24, 3850293.52	2.95E-02	4.64E-06	1.62E-06	3.01E-02	4.74E-06	1.65E-06	3.00E-02	4.73E-06	1.65E-06
3024	479253.24, 3850293.52	2.79E-02	4.39E-06	1.53E-06	2.84E-02	4.48E-06	1.56E-06	2.84E-02	4.47E-06	1.56E-06
3025	479303.24, 3850293.52	2.65E-02	4.17E-06	1.45E-06	2.70E-02	4.26E-06	1.48E-06	2.70E-02	4.25E-06	1.48E-06
3026	479353.24, 3850293.52	2.53E-02	3.98E-06	1.39E-06	2.58E-02	4.06E-06	1.42E-06	2.58E-02	4.06E-06	1.41E-06
3027	479153.24, 3850343.52	3.60E-02	5.66E-06	1.97E-06	3.67E-02	5.78E-06	2.01E-06	3.66E-02	5.77E-06	2.01E-06
3028	479203.24, 3850343.52	3.35E-02	5.27E-06	1.84E-06	3.41E-02	5.38E-06	1.87E-06	3.41E-02	5.37E-06	1.87E-06
3029	479253.24, 3850343.52	3.14E-02	4.95E-06	1.73E-06	3.21E-02	5.05E-06	1.76E-06	3.20E-02	5.05E-06	1.76E-06
3030	479303.24, 3850343.52	2.97E-02	4.68E-06	1.63E-06	3.03E-02	4.77E-06	1.66E-06	3.03E-02	4.77E-06	1.66E-06
3031	479353.24, 3850343.52	2.81E-02	4.43E-06	1.54E-06	2.87E-02	4.52E-06	1.58E-06	2.87E-02	4.52E-06	1.57E-06
3032	479203.24, 3850393.52	3.90E-02	6.15E-06	2.14E-06	3.98E-02	6.28E-06	2.19E-06	3.98E-02	6.27E-06	2.18E-06
3033	479253.24, 3850393.52	3.62E-02	5.71E-06	1.99E-06	3.70E-02	5.82E-06	2.03E-06	3.69E-02	5.82E-06	2.03E-06
3034	479303.24, 3850393.52	3.39E-02	5.34E-06	1.86E-06	3.46E-02	5.45E-06	1.90E-06	3.45E-02	5.44E-06	1.89E-06

3035	479353.24, 3850393.52	3.18E-02	5.01E-06	1.75E-06	3.25E-02	5.11E-06	1.78E-06	3.24E-02	5.11E-06	1.78E-06
3036	479403.24, 3850393.52	3.00E-02	4.72E-06	1.64E-06	3.06E-02	4.82E-06	1.68E-06	3.05E-02	4.81E-06	1.68E-06
3037	479453.24, 3850393.52	2.83E-02	4.46E-06	1.55E-06	2.89E-02	4.55E-06	1.58E-06	2.88E-02	4.54E-06	1.58E-06
3038	479503.24, 3850393.52	2.67E-02	4.20E-06	1.46E-06	2.72E-02	4.29E-06	1.49E-06	2.72E-02	4.28E-06	1.49E-06
3039	479303.24, 3850443.52	3.97E-02	6.26E-06	2.18E-06	4.06E-02	6.39E-06	2.23E-06	4.05E-02	6.38E-06	2.22E-06
3040	479353.24, 3850443.52	3.69E-02	5.81E-06	2.02E-06	3.76E-02	5.92E-06	2.06E-06	3.76E-02	5.92E-06	2.06E-06
3041	479403.24, 3850443.52	3.43E-02	5.41E-06	1.88E-06	3.50E-02	5.52E-06	1.92E-06	3.50E-02	5.51E-06	1.92E-06
3042	479453.24, 3850443.52	3.20E-02	5.05E-06	1.76E-06	3.27E-02	5.15E-06	1.79E-06	3.27E-02	5.14E-06	1.79E-06
3043	479503.24, 3850443.52	2.99E-02	4.71E-06	1.64E-06	3.05E-02	4.81E-06	1.68E-06	3.05E-02	4.80E-06	1.67E-06
3044	480327.18, 3850987.04	4.77E-02	7.51E-06	2.62E-06	4.86E-02	7.66E-06	2.67E-06	4.86E-02	7.65E-06	2.67E-06
3045	480377.18, 3850987.04	4.34E-02	6.84E-06	2.38E-06	4.43E-02	6.98E-06	2.43E-06	4.42E-02	6.97E-06	2.43E-06
3046	480427.18, 3850987.04	3.98E-02	6.27E-06	2.19E-06	4.06E-02	6.40E-06	2.23E-06	4.06E-02	6.39E-06	2.23E-06
3047	480477.18, 3850987.04	3.67E-02	5.78E-06	2.01E-06	3.74E-02	5.90E-06	2.05E-06	3.74E-02	5.89E-06	2.05E-06
3048	480327.18, 3851037.04	6.14E-02	9.67E-06	3.37E-06	6.27E-02	9.87E-06	3.44E-06	6.26E-02	9.86E-06	3.43E-06
3049	480377.18, 3851037.04	5.43E-02	8.56E-06	2.98E-06	5.54E-02	8.73E-06	3.04E-06	5.54E-02	8.72E-06	3.04E-06
3050	480427.18, 3851037.04	4.86E-02	7.66E-06	2.67E-06	4.96E-02	7.81E-06	2.72E-06	4.95E-02	7.80E-06	2.72E-06
3051	480477.18, 3851037.04	4.39E-02	6.91E-06	2.41E-06	4.48E-02	7.06E-06	2.46E-06	4.47E-02	7.05E-06	2.46E-06
3052	480622.06, 3851087.39	4.06E-02	6.40E-06	2.23E-06	4.15E-02	6.53E-06	2.28E-06	4.14E-02	6.52E-06	2.27E-06
3053	480672.06, 3851087.39	3.74E-02	5.89E-06	2.05E-06	3.81E-02	6.01E-06	2.09E-06	3.81E-02	6.00E-06	2.09E-06
3054	480622.06, 3851137.39	5.01E-02	7.88E-06	2.75E-06	5.11E-02	8.05E-06	2.80E-06	5.10E-02	8.04E-06	2.80E-06
3055	480672.06, 3851137.39	4.50E-02	7.09E-06	2.47E-06	4.59E-02	7.23E-06	2.52E-06	4.58E-02	7.22E-06	2.52E-06
3056	480722.06, 3851137.39	4.10E-02	6.45E-06	2.25E-06	4.18E-02	6.59E-06	2.29E-06	4.18E-02	6.58E-06	2.29E-06
3057	480622.06, 3851187.39	6.61E-02	1.04E-05	3.63E-06	6.74E-02	1.06E-05	3.70E-06	6.74E-02	1.06E-05	3.70E-06
3058	480672.06, 3851187.39	5.71E-02	9.00E-06	3.14E-06	5.83E-02	9.19E-06	3.20E-06	5.82E-02	9.18E-06	3.20E-06
3059	480722.06, 3851187.39	5.05E-02	7.96E-06	2.77E-06	5.16E-02	8.12E-06	2.83E-06	5.15E-02	8.11E-06	2.83E-06
3060	471363.09, 3845877.25	2.60E-04	4.09E-08	1.43E-08	2.65E-04	4.18E-08	1.46E-08	2.65E-04	4.17E-08	1.45E-08
3061	471863.09, 3845877.25	2.52E-04	3.96E-08	1.38E-08	2.57E-04	4.05E-08	1.41E-08	2.56E-04	4.04E-08	1.41E-08
3062	472363.09, 3845877.25	3.26E-04	5.13E-08	1.79E-08	3.33E-04	5.24E-08	1.83E-08	3.32E-04	5.23E-08	1.82E-08
3063	472863.09, 3845877.25	2.45E-04	3.87E-08	1.35E-08	2.50E-04	3.95E-08	1.37E-08	2.50E-04	3.94E-08	1.37E-08
3064	473363.09, 3845877.25	2.58E-04	4.06E-08	1.42E-08	2.63E-04	4.14E-08	1.44E-08	2.63E-04	4.14E-08	1.44E-08
3065	473863.09, 3845877.25	2.70E-04	4.25E-08	1.48E-08	2.75E-04	4.34E-08	1.51E-08	2.75E-04	4.33E-08	1.51E-08
3066	474363.09, 3845877.25	3.14E-04	4.95E-08	1.72E-08	3.21E-04	5.05E-08	1.76E-08	3.20E-04	5.04E-08	1.76E-08
3067	474863.09, 3845877.25	3.66E-04	5.76E-08	2.01E-08	3.73E-04	5.88E-08	2.05E-08	3.73E-04	5.87E-08	2.05E-08
3068	475363.09, 3845877.25	4.23E-04	6.66E-08	2.32E-08	4.31E-04	6.80E-08	2.37E-08	4.31E-04	6.79E-08	2.37E-08
3069	475863.09, 3845877.25	4.36E-04	6.87E-08	2.39E-08	4.45E-04	7.01E-08	2.44E-08	4.44E-04	7.00E-08	2.44E-08
3070	476363.09, 3845877.25	4.08E-04	6.43E-08	2.24E-08	4.16E-04	6.56E-08	2.29E-08	4.16E-04	6.55E-08	2.28E-08
3071	476863.09, 3845877.25	3.81E-04	6.00E-08	2.09E-08	3.88E-04	6.12E-08	2.13E-08	3.88E-04	6.11E-08	2.13E-08
3072	477363.09, 3845877.25	3.80E-04	5.98E-08	2.08E-08	3.88E-04	6.11E-08	2.13E-08	3.87E-04	6.10E-08	2.12E-08
3073	477863.09, 3845877.25	3.60E-04	5.68E-08	1.98E-08	3.68E-04	5.79E-08	2.02E-08	3.67E-04	5.79E-08	2.02E-08
3074	478363.09, 3845877.25	3.69E-04	5.81E-08	2.02E-08	3.76E-04	5.93E-08	2.06E-08	3.76E-04	5.92E-08	2.06E-08
3075	478863.09, 3845877.25	3.75E-04	5.91E-08	2.06E-08	3.83E-04	6.03E-08	2.10E-08	3.83E-04	6.03E-08	2.10E-08
3076	479363.09, 3845877.25	4.00E-04	6.30E-08	2.20E-08	4.08E-04	6.43E-08	2.24E-08	4.08E-04	6.42E-08	2.24E-08
3077	479863.09, 3845877.25	4.03E-04	6.34E-08	2.21E-08	4.11E-04	6.47E-08	2.25E-08	4.10E-04	6.46E-08	2.25E-08
3078	480363.09, 3845877.25	3.74E-04	5.89E-08	2.05E-08	3.81E-04	6.01E-08	2.09E-08	3.81E-04	6.00E-08	2.09E-08
3079	480863.09, 3845877.25	3.67E-04	5.78E-08	2.02E-08	3.75E-04	5.90E-08	2.06E-08	3.74E-04	5.90E-08	2.05E-08
3080	481363.09, 3845877.25	3.64E-04	5.73E-08	2.00E-08	3.71E-04	5.85E-08	2.04E-08	3.71E-04	5.84E-08	2.03E-08
3081	481863.09, 3845877.25	3.49E-04	5.50E-08	1.91E-08	3.56E-04	5.61E-08	1.95E-08	3.56E-04	5.60E-08	1.95E-08
3082	482363.09, 3845877.25	3.28E-04	5.17E-08	1.80E-08	3.35E-04	5.28E-08	1.84E-08	3.35E-04	5.27E-08	1.84E-08
3083	482863.09, 3845877.25	2.65E-04	4.18E-08	1.46E-08	2.71E-04	4.26E-08	1.49E-08	2.70E-04	4.26E-08	1.48E-08
3084	483363.09, 3845877.25	2.40E-04	3.78E-08	1.32E-08	2.45E-04	3.86E-08	1.34E-08	2.44E-04	3.85E-08	1.34E-08
3085	483863.09, 3845877.25	3.04E-04	4.80E-08	1.67E-08	3.11E-04	4.89E-08	1.70E-08	3.10E-04	4.89E-08	1.70E-08
3086	484363.09, 3845877.25	3.10E-04	4.88E-08	1.70E-08	3.16E-04	4.98E-08	1.74E-08	3.16E-04	4.98E-08	1.73E-08
3087	484863.09, 3845877.25	3.04E-04	4.79E-08	1.67E-08	3.10E-04	4.89E-08	1.70E-08	3.10E-04	4.88E-08	1.70E-08
3088	485363.09, 3845877.25	2.91E-04	4.59E-08	1.60E-08	2.97E-04	4.68E-08	1.63E-08	2.97E-04	4.67E-08	1.63E-08
3089	485863.09, 3845877.25	3.01E-04	4.73E-08	1.65E-08	3.07E-04	4.83E-08	1.68E-08	3.06E-04	4.83E-08	1.68E-08
3090	486363.09, 3845877.25	2.97E-04	4.68E-08	1.63E-08	3.03E-04	4.78E-08	1.67E-08	3.03E-04	4.77E-08	1.66E-08
3091	486863.09, 3845877.25	2.78E-04	4.37E-08	1.52E-08	2.83E-04	4.46E-08	1.55E-08	2.83E-04	4.46E-08	1.55E-08
3092	487363.09, 3845877.25	2.74E-04	4.32E-08	1.51E-08	2.80E-04	4.41E-08	1.54E-08	2.80E-04	4.40E-08	1.53E-08
3093	487863.09, 3845877.25	2.56E-04	4.04E-08	1.41E-08	2.62E-04	4.12E-08	1.44E-08	2.61E-04	4.12E-08	1.43E-08
3094	488363.09, 3845877.25	2.49E-04	3.92E-08	1.37E-08	2.54E-04	4.00E-08	1.39E-08	2.54E-04	4.00E-08	1.39E-08
3095	488863.09, 3845877.25	2.88E-04	4.53E-08	1.58E-08	2.93E-04	4.62E-08	1.61E-08	2.93E-04	4.62E-08	1.61E-08
3096	489363.09, 3845877.25	2.86E-04	4.51E-08	1.57E-08	2.92E-04	4.60E-08	1.60E-08	2.92E-04	4.59E-08	1.60E-08

3097	489863.09, 3845877.25	2.67E-04	4.20E-08	1.46E-08	2.72E-04	4.29E-08	1.49E-08	2.72E-04	4.28E-08	1.49E-08
3098	490363.09, 3845877.25	2.40E-04	3.78E-08	1.32E-08	2.45E-04	3.86E-08	1.34E-08	2.44E-04	3.85E-08	1.34E-08
3099	490863.09, 3845877.25	1.93E-04	3.04E-08	1.06E-08	1.97E-04	3.10E-08	1.08E-08	1.96E-04	3.09E-08	1.08E-08
3100	491363.09, 3845877.25	2.17E-04	3.42E-08	1.19E-08	2.21E-04	3.49E-08	1.21E-08	2.21E-04	3.48E-08	1.21E-08
3101	491863.09, 3845877.25	2.31E-04	3.64E-08	1.27E-08	2.36E-04	3.71E-08	1.29E-08	2.35E-04	3.71E-08	1.29E-08
3102	492363.09, 3845877.25	1.96E-04	3.09E-08	1.08E-08	2.00E-04	3.15E-08	1.10E-08	2.00E-04	3.15E-08	1.10E-08
3103	492863.09, 3845877.25	2.39E-04	3.76E-08	1.31E-08	2.44E-04	3.84E-08	1.34E-08	2.43E-04	3.83E-08	1.34E-08
3104	493363.09, 3845877.25	2.53E-04	3.98E-08	1.39E-08	2.58E-04	4.06E-08	1.41E-08	2.57E-04	4.05E-08	1.41E-08
3105	493863.09, 3845877.25	2.66E-04	4.19E-08	1.46E-08	2.71E-04	4.27E-08	1.49E-08	2.71E-04	4.27E-08	1.49E-08
3106	494363.09, 3845877.25	2.74E-04	4.31E-08	1.50E-08	2.79E-04	4.40E-08	1.53E-08	2.79E-04	4.40E-08	1.53E-08
3107	494863.09, 3845877.25	2.76E-04	4.35E-08	1.52E-08	2.82E-04	4.44E-08	1.55E-08	2.81E-04	4.43E-08	1.54E-08
3108	495363.09, 3845877.25	2.84E-04	4.47E-08	1.56E-08	2.90E-04	4.56E-08	1.59E-08	2.89E-04	4.56E-08	1.59E-08
3109	495863.09, 3845877.25	2.92E-04	4.60E-08	1.60E-08	2.98E-04	4.69E-08	1.63E-08	2.97E-04	4.68E-08	1.63E-08
3110	496363.09, 3845877.25	2.99E-04	4.71E-08	1.64E-08	3.05E-04	4.80E-08	1.67E-08	3.05E-04	4.80E-08	1.67E-08
3111	496863.09, 3845877.25	2.98E-04	4.70E-08	1.64E-08	3.05E-04	4.80E-08	1.67E-08	3.04E-04	4.79E-08	1.67E-08
3112	497363.09, 3845877.25	2.98E-04	4.70E-08	1.64E-08	3.04E-04	4.79E-08	1.67E-08	3.04E-04	4.79E-08	1.67E-08
3113	497863.09, 3845877.25	2.99E-04	4.72E-08	1.64E-08	3.05E-04	4.81E-08	1.68E-08	3.05E-04	4.81E-08	1.67E-08
3114	498363.09, 3845877.25	2.97E-04	4.68E-08	1.63E-08	3.03E-04	4.78E-08	1.67E-08	3.03E-04	4.77E-08	1.66E-08
3115	471363.09, 3846377.25	6.55E-04	1.03E-07	3.59E-08	6.68E-04	1.05E-07	3.67E-08	6.67E-04	1.05E-07	3.66E-08
3116	471863.09, 3846377.25	5.87E-04	9.24E-08	3.22E-08	5.99E-04	9.43E-08	3.29E-08	5.98E-04	9.42E-08	3.28E-08
3117	472363.09, 3846377.25	3.08E-04	4.86E-08	1.69E-08	3.15E-04	4.95E-08	1.73E-08	3.14E-04	4.95E-08	1.72E-08
3118	472863.09, 3846377.25	3.46E-04	5.45E-08	1.90E-08	3.53E-04	5.56E-08	1.94E-08	3.53E-04	5.55E-08	1.94E-08
3119	473363.09, 3846377.25	3.46E-04	5.45E-08	1.90E-08	3.53E-04	5.57E-08	1.94E-08	3.53E-04	5.56E-08	1.94E-08
3120	473863.09, 3846377.25	3.98E-04	6.27E-08	2.18E-08	4.06E-04	6.40E-08	2.23E-08	4.06E-04	6.39E-08	2.23E-08
3121	474363.09, 3846377.25	4.19E-04	6.61E-08	2.30E-08	4.28E-04	6.74E-08	2.35E-08	4.27E-04	6.73E-08	2.35E-08
3122	474863.09, 3846377.25	4.77E-04	7.52E-08	2.62E-08	4.87E-04	7.67E-08	2.67E-08	4.86E-04	7.66E-08	2.67E-08
3123	475363.09, 3846377.25	5.45E-04	8.58E-08	2.99E-08	5.56E-04	8.76E-08	3.05E-08	5.55E-04	8.75E-08	3.05E-08
3124	475863.09, 3846377.25	6.29E-04	9.91E-08	3.45E-08	6.42E-04	1.01E-07	3.52E-08	6.41E-04	1.01E-07	3.52E-08
3125	476363.09, 3846377.25	6.18E-04	9.74E-08	3.39E-08	6.31E-04	9.94E-08	3.46E-08	6.30E-04	9.93E-08	3.46E-08
3126	476863.09, 3846377.25	6.12E-04	9.64E-08	3.36E-08	6.24E-04	9.83E-08	3.43E-08	6.23E-04	9.82E-08	3.42E-08
3127	477363.09, 3846377.25	6.15E-04	9.69E-08	3.38E-08	6.28E-04	9.89E-08	3.44E-08	6.27E-04	9.87E-08	3.44E-08
3128	477863.09, 3846377.25	5.95E-04	9.37E-08	3.26E-08	6.07E-04	9.56E-08	3.33E-08	6.06E-04	9.55E-08	3.33E-08
3129	478363.09, 3846377.25	5.87E-04	9.25E-08	3.22E-08	5.99E-04	9.44E-08	3.29E-08	5.99E-04	9.43E-08	3.28E-08
3130	478863.09, 3846377.25	6.14E-04	9.67E-08	3.37E-08	6.27E-04	9.87E-08	3.44E-08	6.26E-04	9.86E-08	3.43E-08
3131	479363.09, 3846377.25	6.21E-04	9.78E-08	3.41E-08	6.33E-04	9.98E-08	3.48E-08	6.32E-04	9.96E-08	3.47E-08
3132	479863.09, 3846377.25	6.04E-04	9.51E-08	3.31E-08	6.16E-04	9.71E-08	3.38E-08	6.15E-04	9.69E-08	3.38E-08
3133	480363.09, 3846377.25	6.12E-04	9.64E-08	3.36E-08	6.24E-04	9.83E-08	3.43E-08	6.23E-04	9.82E-08	3.42E-08
3134	480863.09, 3846377.25	5.51E-04	8.68E-08	3.02E-08	5.62E-04	8.85E-08	3.08E-08	5.61E-04	8.84E-08	3.08E-08
3135	481363.09, 3846377.25	5.45E-04	8.59E-08	2.99E-08	5.56E-04	8.76E-08	3.05E-08	5.56E-04	8.75E-08	3.05E-08
3136	481863.09, 3846377.25	5.14E-04	8.10E-08	2.82E-08	5.24E-04	8.26E-08	2.88E-08	5.24E-04	8.25E-08	2.87E-08
3137	482363.09, 3846377.25	4.69E-04	7.38E-08	2.57E-08	4.78E-04	7.53E-08	2.62E-08	4.78E-04	7.52E-08	2.62E-08
3138	482863.09, 3846377.25	4.00E-04	6.30E-08	2.20E-08	4.08E-04	6.43E-08	2.24E-08	4.08E-04	6.42E-08	2.24E-08
3139	483363.09, 3846377.25	4.25E-04	6.70E-08	2.33E-08	4.34E-04	6.84E-08	2.38E-08	4.33E-04	6.83E-08	2.38E-08
3140	483863.09, 3846377.25	4.22E-04	6.65E-08	2.32E-08	4.31E-04	6.78E-08	2.36E-08	4.30E-04	6.78E-08	2.36E-08
3141	484363.09, 3846377.25	3.87E-04	6.09E-08	2.12E-08	3.94E-04	6.21E-08	2.17E-08	3.94E-04	6.21E-08	2.16E-08
3142	484863.09, 3846377.25	4.28E-04	6.74E-08	2.35E-08	4.37E-04	6.88E-08	2.40E-08	4.36E-04	6.87E-08	2.39E-08
3143	485363.09, 3846377.25	4.28E-04	6.75E-08	2.35E-08	4.37E-04	6.89E-08	2.40E-08	4.37E-04	6.88E-08	2.40E-08
3144	485863.09, 3846377.25	3.99E-04	6.29E-08	2.19E-08	4.07E-04	6.42E-08	2.24E-08	4.07E-04	6.41E-08	2.23E-08
3145	486363.09, 3846377.25	3.37E-04	5.30E-08	1.85E-08	3.43E-04	5.41E-08	1.88E-08	3.43E-04	5.40E-08	1.88E-08
3146	486863.09, 3846377.25	3.20E-04	5.04E-08	1.76E-08	3.27E-04	5.14E-08	1.79E-08	3.26E-04	5.14E-08	1.79E-08
3147	487363.09, 3846377.25	3.31E-04	5.21E-08	1.82E-08	3.38E-04	5.32E-08	1.85E-08	3.37E-04	5.31E-08	1.85E-08
3148	487863.09, 3846377.25	3.69E-04	5.82E-08	2.03E-08	3.77E-04	5.94E-08	2.07E-08	3.76E-04	5.93E-08	2.07E-08
3149	488363.09, 3846377.25	3.60E-04	5.68E-08	1.98E-08	3.68E-04	5.79E-08	2.02E-08	3.67E-04	5.79E-08	2.02E-08
3150	488863.09, 3846377.25	3.56E-04	5.61E-08	1.95E-08	3.63E-04	5.72E-08	1.99E-08	3.63E-04	5.72E-08	1.99E-08
3151	489363.09, 3846377.25	3.49E-04	5.50E-08	1.92E-08	3.56E-04	5.61E-08	1.96E-08	3.56E-04	5.61E-08	1.95E-08
3152	489863.09, 3846377.25	3.26E-04	5.13E-08	1.79E-08	3.33E-04	5.24E-08	1.83E-08	3.32E-04	5.23E-08	1.82E-08
3153	490363.09, 3846377.25	2.64E-04	4.16E-08	1.45E-08	2.69E-04	4.24E-08	1.48E-08	2.69E-04	4.24E-08	1.48E-08
3154	490863.09, 3846377.25	2.40E-04	3.78E-08	1.32E-08	2.45E-04	3.86E-08	1.34E-08	2.45E-04	3.86E-08	1.34E-08
3155	491363.09, 3846377.25	2.35E-04	3.69E-08	1.29E-08	2.39E-04	3.77E-08	1.31E-08	2.39E-04	3.77E-08	1.31E-08
3156	491863.09, 3846377.25	2.73E-04	4.29E-08	1.50E-08	2.78E-04	4.38E-08	1.53E-08	2.78E-04	4.38E-08	1.52E-08
3157	492363.09, 3846377.25	2.61E-04	4.11E-08	1.43E-08	2.66E-04	4.19E-08	1.46E-08	2.66E-04	4.19E-08	1.46E-08
3158	492863.09, 3846377.25	2.63E-04	4.14E-08	1.44E-08	2.68E-04	4.23E-08	1.47E-08	2.68E-04	4.22E-08	1.47E-08

3159	493363.09, 3846377.25	2.90E-04	4.56E-08	1.59E-08	2.96E-04	4.66E-08	1.62E-08	2.95E-04	4.65E-08	1.62E-08
3160	493863.09, 3846377.25	3.01E-04	4.74E-08	1.65E-08	3.07E-04	4.84E-08	1.68E-08	3.07E-04	4.83E-08	1.68E-08
3161	494363.09, 3846377.25	3.09E-04	4.86E-08	1.69E-08	3.15E-04	4.96E-08	1.73E-08	3.15E-04	4.96E-08	1.73E-08
3162	494863.09, 3846377.25	3.14E-04	4.94E-08	1.72E-08	3.20E-04	5.04E-08	1.76E-08	3.20E-04	5.04E-08	1.76E-08
3163	495363.09, 3846377.25	3.17E-04	5.00E-08	1.74E-08	3.24E-04	5.10E-08	1.78E-08	3.23E-04	5.10E-08	1.78E-08
3164	495863.09, 3846377.25	3.25E-04	5.12E-08	1.79E-08	3.32E-04	5.23E-08	1.82E-08	3.32E-04	5.22E-08	1.82E-08
3165	496363.09, 3846377.25	3.32E-04	5.23E-08	1.82E-08	3.39E-04	5.33E-08	1.86E-08	3.38E-04	5.33E-08	1.86E-08
3166	496863.09, 3846377.25	3.35E-04	5.28E-08	1.84E-08	3.42E-04	5.39E-08	1.88E-08	3.41E-04	5.38E-08	1.87E-08
3167	497363.09, 3846377.25	3.36E-04	5.29E-08	1.84E-08	3.43E-04	5.40E-08	1.88E-08	3.42E-04	5.39E-08	1.88E-08
3168	497863.09, 3846377.25	3.33E-04	5.25E-08	1.83E-08	3.40E-04	5.35E-08	1.86E-08	3.39E-04	5.35E-08	1.86E-08
3169	498363.09, 3846377.25	3.27E-04	5.16E-08	1.80E-08	3.34E-04	5.26E-08	1.83E-08	3.34E-04	5.26E-08	1.83E-08
3170	471363.09, 3846877.25	7.12E-04	1.12E-07	3.91E-08	7.26E-04	1.14E-07	3.99E-08	7.26E-04	1.14E-07	3.98E-08
3171	471863.09, 3846877.25	8.41E-04	1.32E-07	4.62E-08	8.58E-04	1.35E-07	4.71E-08	8.57E-04	1.35E-07	4.70E-08
3172	472363.09, 3846877.25	9.14E-04	1.44E-07	5.02E-08	9.33E-04	1.47E-07	5.12E-08	9.32E-04	1.47E-07	5.11E-08
3173	472863.09, 3846877.25	4.05E-04	6.39E-08	2.23E-08	4.14E-04	6.52E-08	2.27E-08	4.13E-04	6.51E-08	2.27E-08
3174	473363.09, 3846877.25	5.11E-04	8.05E-08	2.80E-08	5.21E-04	8.21E-08	2.86E-08	5.21E-04	8.20E-08	2.86E-08
3175	473863.09, 3846877.25	6.15E-04	9.68E-08	3.37E-08	6.27E-04	9.88E-08	3.44E-08	6.26E-04	9.87E-08	3.44E-08
3176	474363.09, 3846877.25	6.07E-04	9.56E-08	3.33E-08	6.19E-04	9.76E-08	3.40E-08	6.19E-04	9.75E-08	3.40E-08
3177	474863.09, 3846877.25	6.35E-04	1.00E-07	3.49E-08	6.48E-04	1.02E-07	3.56E-08	6.47E-04	1.02E-07	3.55E-08
3178	475363.09, 3846877.25	6.76E-04	1.07E-07	3.71E-08	6.90E-04	1.09E-07	3.79E-08	6.89E-04	1.09E-07	3.78E-08
3179	475863.09, 3846877.25	9.27E-04	1.46E-07	5.09E-08	9.46E-04	1.49E-07	5.19E-08	9.45E-04	1.49E-07	5.19E-08
3180	476363.09, 3846877.25	1.08E-03	1.69E-07	5.90E-08	1.10E-03	1.73E-07	6.02E-08	1.10E-03	1.73E-07	6.01E-08
3181	476863.09, 3846877.25	1.08E-03	1.70E-07	5.93E-08	1.10E-03	1.74E-07	6.05E-08	1.10E-03	1.73E-07	6.04E-08
3182	477363.09, 3846877.25	1.08E-03	1.70E-07	5.94E-08	1.10E-03	1.74E-07	6.06E-08	1.10E-03	1.74E-07	6.05E-08
3183	477863.09, 3846877.25	1.04E-03	1.63E-07	5.70E-08	1.06E-03	1.67E-07	5.81E-08	1.06E-03	1.67E-07	5.81E-08
3184	478363.09, 3846877.25	1.02E-03	1.60E-07	5.59E-08	1.04E-03	1.64E-07	5.70E-08	1.04E-03	1.63E-07	5.69E-08
3185	478863.09, 3846877.25	1.03E-03	1.62E-07	5.64E-08	1.05E-03	1.65E-07	5.75E-08	1.05E-03	1.65E-07	5.75E-08
3186	479363.09, 3846877.25	9.87E-04	1.56E-07	5.42E-08	1.01E-03	1.59E-07	5.53E-08	1.01E-03	1.58E-07	5.52E-08
3187	479863.09, 3846877.25	8.30E-04	1.31E-07	4.56E-08	8.47E-04	1.33E-07	4.65E-08	8.46E-04	1.33E-07	4.64E-08
3188	480363.09, 3846877.25	7.39E-04	1.16E-07	4.06E-08	7.54E-04	1.19E-07	4.14E-08	7.54E-04	1.19E-07	4.14E-08
3189	480863.09, 3846877.25	7.01E-04	1.10E-07	3.85E-08	7.16E-04	1.13E-07	3.93E-08	7.15E-04	1.13E-07	3.92E-08
3190	481363.09, 3846877.25	7.30E-04	1.15E-07	4.01E-08	7.45E-04	1.17E-07	4.09E-08	7.44E-04	1.17E-07	4.08E-08
3191	481863.09, 3846877.25	7.13E-04	1.12E-07	3.91E-08	7.27E-04	1.15E-07	3.99E-08	7.26E-04	1.14E-07	3.99E-08
3192	482363.09, 3846877.25	6.25E-04	9.85E-08	3.43E-08	6.38E-04	1.01E-07	3.50E-08	6.37E-04	1.00E-07	3.50E-08
3193	482863.09, 3846877.25	6.09E-04	9.59E-08	3.34E-08	6.21E-04	9.79E-08	3.41E-08	6.20E-04	9.77E-08	3.41E-08
3194	483363.09, 3846877.25	5.91E-04	9.31E-08	3.24E-08	6.03E-04	9.50E-08	3.31E-08	6.02E-04	9.49E-08	3.30E-08
3195	483863.09, 3846877.25	5.77E-04	9.09E-08	3.17E-08	5.89E-04	9.28E-08	3.23E-08	5.88E-04	9.27E-08	3.23E-08
3196	484363.09, 3846877.25	5.77E-04	9.09E-08	3.17E-08	5.89E-04	9.28E-08	3.23E-08	5.88E-04	9.27E-08	3.23E-08
3197	484863.09, 3846877.25	5.58E-04	8.79E-08	3.06E-08	5.69E-04	8.97E-08	3.13E-08	5.69E-04	8.96E-08	3.12E-08
3198	485363.09, 3846877.25	5.58E-04	8.79E-08	3.06E-08	5.69E-04	8.97E-08	3.12E-08	5.69E-04	8.96E-08	3.12E-08
3199	485863.09, 3846877.25	5.25E-04	8.27E-08	2.88E-08	5.36E-04	8.44E-08	2.94E-08	5.35E-04	8.43E-08	2.94E-08
3200	486363.09, 3846877.25	5.47E-04	8.61E-08	3.00E-08	5.58E-04	8.79E-08	3.06E-08	5.57E-04	8.78E-08	3.06E-08
3201	486863.09, 3846877.25	4.64E-04	7.31E-08	2.55E-08	4.74E-04	7.46E-08	2.60E-08	4.73E-04	7.45E-08	2.60E-08
3202	487363.09, 3846877.25	4.71E-04	7.42E-08	2.59E-08	4.81E-04	7.57E-08	2.64E-08	4.80E-04	7.57E-08	2.64E-08
3203	487863.09, 3846877.25	4.62E-04	7.28E-08	2.54E-08	4.72E-04	7.43E-08	2.59E-08	4.71E-04	7.42E-08	2.59E-08
3204	488363.09, 3846877.25	4.43E-04	6.97E-08	2.43E-08	4.52E-04	7.11E-08	2.48E-08	4.51E-04	7.11E-08	2.48E-08
3205	488863.09, 3846877.25	4.36E-04	6.87E-08	2.40E-08	4.45E-04	7.02E-08	2.44E-08	4.45E-04	7.01E-08	2.44E-08
3206	489363.09, 3846877.25	4.29E-04	6.75E-08	2.35E-08	4.37E-04	6.89E-08	2.40E-08	4.37E-04	6.88E-08	2.40E-08
3207	489863.09, 3846877.25	4.02E-04	6.34E-08	2.21E-08	4.10E-04	6.47E-08	2.25E-08	4.10E-04	6.46E-08	2.25E-08
3208	490363.09, 3846877.25	3.37E-04	5.30E-08	1.85E-08	3.43E-04	5.41E-08	1.88E-08	3.43E-04	5.40E-08	1.88E-08
3209	490863.09, 3846877.25	3.17E-04	4.99E-08	1.74E-08	3.24E-04	5.10E-08	1.78E-08	3.23E-04	5.09E-08	1.77E-08
3210	491363.09, 3846877.25	3.12E-04	4.91E-08	1.71E-08	3.18E-04	5.01E-08	1.75E-08	3.18E-04	5.01E-08	1.74E-08
3211	491863.09, 3846877.25	2.88E-04	4.54E-08	1.58E-08	2.94E-04	4.64E-08	1.62E-08	2.94E-04	4.63E-08	1.61E-08
3212	492363.09, 3846877.25	3.31E-04	5.21E-08	1.82E-08	3.38E-04	5.32E-08	1.85E-08	3.37E-04	5.31E-08	1.85E-08
3213	492863.09, 3846877.25	3.31E-04	5.21E-08	1.81E-08	3.37E-04	5.31E-08	1.85E-08	3.37E-04	5.31E-08	1.85E-08
3214	493363.09, 3846877.25	3.42E-04	5.38E-08	1.87E-08	3.48E-04	5.49E-08	1.91E-08	3.48E-04	5.48E-08	1.91E-08
3215	493863.09, 3846877.25	3.46E-04	5.45E-08	1.90E-08	3.53E-04	5.56E-08	1.94E-08	3.52E-04	5.55E-08	1.93E-08
3216	494363.09, 3846877.25	3.43E-04	5.41E-08	1.88E-08	3.50E-04	5.52E-08	1.92E-08	3.50E-04	5.51E-08	1.92E-08
3217	494863.09, 3846877.25	3.44E-04	5.43E-08	1.89E-08	3.51E-04	5.54E-08	1.93E-08	3.51E-04	5.53E-08	1.93E-08
3218	495363.09, 3846877.25	3.44E-04	5.42E-08	1.89E-08	3.51E-04	5.53E-08	1.93E-08	3.51E-04	5.53E-08	1.93E-08
3219	495863.09, 3846877.25	3.44E-04	5.42E-08	1.89E-08	3.51E-04	5.53E-08	1.93E-08	3.50E-04	5.52E-08	1.92E-08
3220	496363.09, 3846877.25	3.45E-04	5.44E-08	1.90E-08	3.52E-04	5.55E-08	1.93E-08	3.52E-04	5.54E-08	1.93E-08

3221	496863.09, 3846877.25	3.52E-04	5.54E-08	1.93E-08	3.59E-04	5.66E-08	1.97E-08	3.59E-04	5.65E-08	1.97E-08
3222	497363.09, 3846877.25	3.63E-04	5.72E-08	1.99E-08	3.70E-04	5.84E-08	2.03E-08	3.70E-04	5.83E-08	2.03E-08
3223	497863.09, 3846877.25	3.69E-04	5.81E-08	2.02E-08	3.76E-04	5.93E-08	2.06E-08	3.76E-04	5.92E-08	2.06E-08
3224	498363.09, 3846877.25	3.58E-04	5.64E-08	1.97E-08	3.66E-04	5.76E-08	2.01E-08	3.65E-04	5.75E-08	2.00E-08
3225	471363.09, 3847377.25	8.48E-04	1.34E-07	4.65E-08	8.65E-04	1.36E-07	4.75E-08	8.64E-04	1.36E-07	4.74E-08
3226	471863.09, 3847377.25	9.72E-04	1.53E-07	5.33E-08	9.92E-04	1.56E-07	5.44E-08	9.90E-04	1.56E-07	5.44E-08
3227	472363.09, 3847377.25	1.17E-03	1.84E-07	6.41E-08	1.19E-03	1.88E-07	6.54E-08	1.19E-03	1.87E-07	6.53E-08
3228	472863.09, 3847377.25	1.47E-03	2.32E-07	8.09E-08	1.50E-03	2.37E-07	8.26E-08	1.50E-03	2.37E-07	8.25E-08
3229	473363.09, 3847377.25	1.01E-03	1.59E-07	5.56E-08	1.03E-03	1.63E-07	5.67E-08	1.03E-03	1.63E-07	5.66E-08
3230	473863.09, 3847377.25	1.03E-03	1.62E-07	5.63E-08	1.05E-03	1.65E-07	5.75E-08	1.05E-03	1.65E-07	5.74E-08
3231	474363.09, 3847377.25	1.18E-03	1.86E-07	6.49E-08	1.21E-03	1.90E-07	6.62E-08	1.20E-03	1.90E-07	6.61E-08
3232	474863.09, 3847377.25	1.26E-03	1.99E-07	6.94E-08	1.29E-03	2.03E-07	7.08E-08	1.29E-03	2.03E-07	7.07E-08
3233	475363.09, 3847377.25	1.40E-03	2.21E-07	7.70E-08	1.43E-03	2.26E-07	7.86E-08	1.43E-03	2.25E-07	7.85E-08
3234	475863.09, 3847377.25	1.88E-03	2.97E-07	1.03E-07	1.92E-03	3.03E-07	1.05E-07	1.92E-03	3.02E-07	1.05E-07
3235	476363.09, 3847377.25	2.25E-03	3.54E-07	1.23E-07	2.29E-03	3.61E-07	1.26E-07	2.29E-03	3.61E-07	1.26E-07
3236	476863.09, 3847377.25	2.10E-03	3.31E-07	1.15E-07	2.14E-03	3.38E-07	1.18E-07	2.14E-03	3.37E-07	1.17E-07
3237	477363.09, 3847377.25	2.01E-03	3.17E-07	1.10E-07	2.05E-03	3.23E-07	1.13E-07	2.05E-03	3.23E-07	1.12E-07
3238	477863.09, 3847377.25	1.84E-03	2.91E-07	1.01E-07	1.88E-03	2.97E-07	1.03E-07	1.88E-03	2.96E-07	1.03E-07
3239	478363.09, 3847377.25	1.75E-03	2.75E-07	9.59E-08	1.78E-03	2.81E-07	9.79E-08	1.78E-03	2.81E-07	9.77E-08
3240	478863.09, 3847377.25	1.69E-03	2.66E-07	9.26E-08	1.72E-03	2.71E-07	9.45E-08	1.72E-03	2.71E-07	9.43E-08
3241	479363.09, 3847377.25	1.40E-03	2.21E-07	7.70E-08	1.43E-03	2.25E-07	7.85E-08	1.43E-03	2.25E-07	7.84E-08
3242	479863.09, 3847377.25	1.09E-03	1.72E-07	5.98E-08	1.11E-03	1.75E-07	6.11E-08	1.11E-03	1.75E-07	6.10E-08
3243	480363.09, 3847377.25	8.19E-04	1.29E-07	4.50E-08	8.36E-04	1.32E-07	4.59E-08	8.35E-04	1.32E-07	4.58E-08
3244	480863.09, 3847377.25	7.37E-04	1.16E-07	4.04E-08	7.52E-04	1.18E-07	4.13E-08	7.51E-04	1.18E-07	4.12E-08
3245	481363.09, 3847377.25	8.05E-04	1.27E-07	4.42E-08	8.22E-04	1.29E-07	4.51E-08	8.21E-04	1.29E-07	4.50E-08
3246	481863.09, 3847377.25	9.65E-04	1.52E-07	5.30E-08	9.85E-04	1.55E-07	5.41E-08	9.84E-04	1.55E-07	5.40E-08
3247	482363.09, 3847377.25	9.24E-04	1.46E-07	5.07E-08	9.43E-04	1.48E-07	5.17E-08	9.42E-04	1.48E-07	5.17E-08
3248	482863.09, 3847377.25	8.57E-04	1.35E-07	4.71E-08	8.75E-04	1.38E-07	4.80E-08	8.74E-04	1.38E-07	4.80E-08
3249	483363.09, 3847377.25	7.95E-04	1.25E-07	4.36E-08	8.11E-04	1.28E-07	4.45E-08	8.10E-04	1.28E-07	4.45E-08
3250	483863.09, 3847377.25	7.73E-04	1.22E-07	4.24E-08	7.89E-04	1.24E-07	4.33E-08	7.88E-04	1.24E-07	4.32E-08
3251	484363.09, 3847377.25	7.95E-04	1.25E-07	4.36E-08	8.12E-04	1.28E-07	4.45E-08	8.11E-04	1.28E-07	4.45E-08
3252	484863.09, 3847377.25	7.56E-04	1.19E-07	4.15E-08	7.71E-04	1.21E-07	4.23E-08	7.70E-04	1.21E-07	4.23E-08
3253	485363.09, 3847377.25	7.35E-04	1.16E-07	4.03E-08	7.50E-04	1.18E-07	4.12E-08	7.49E-04	1.18E-07	4.11E-08
3254	485863.09, 3847377.25	7.31E-04	1.15E-07	4.01E-08	7.46E-04	1.18E-07	4.10E-08	7.45E-04	1.17E-07	4.09E-08
3255	486363.09, 3847377.25	7.24E-04	1.14E-07	3.97E-08	7.39E-04	1.16E-07	4.05E-08	7.38E-04	1.16E-07	4.05E-08
3256	486863.09, 3847377.25	6.42E-04	1.01E-07	3.52E-08	6.55E-04	1.03E-07	3.59E-08	6.54E-04	1.03E-07	3.59E-08
3257	487363.09, 3847377.25	6.38E-04	1.00E-07	3.50E-08	6.51E-04	1.03E-07	3.57E-08	6.50E-04	1.02E-07	3.57E-08
3258	487863.09, 3847377.25	5.80E-04	9.14E-08	3.19E-08	5.92E-04	9.33E-08	3.25E-08	5.92E-04	9.32E-08	3.25E-08
3259	488363.09, 3847377.25	5.55E-04	8.75E-08	3.05E-08	5.66E-04	8.92E-08	3.11E-08	5.66E-04	8.91E-08	3.11E-08
3260	488863.09, 3847377.25	5.40E-04	8.50E-08	2.96E-08	5.51E-04	8.67E-08	3.02E-08	5.50E-04	8.66E-08	3.02E-08
3261	489363.09, 3847377.25	5.25E-04	8.28E-08	2.88E-08	5.36E-04	8.45E-08	2.94E-08	5.35E-04	8.44E-08	2.94E-08
3262	489863.09, 3847377.25	4.77E-04	7.51E-08	2.62E-08	4.87E-04	7.66E-08	2.67E-08	4.86E-04	7.66E-08	2.67E-08
3263	490363.09, 3847377.25	4.32E-04	6.81E-08	2.37E-08	4.41E-04	6.94E-08	2.42E-08	4.40E-04	6.94E-08	2.42E-08
3264	490863.09, 3847377.25	4.17E-04	6.57E-08	2.29E-08	4.26E-04	6.71E-08	2.34E-08	4.25E-04	6.70E-08	2.33E-08
3265	491363.09, 3847377.25	3.97E-04	6.25E-08	2.18E-08	4.05E-04	6.38E-08	2.22E-08	4.05E-04	6.37E-08	2.22E-08
3266	491863.09, 3847377.25	4.14E-04	6.52E-08	2.27E-08	4.22E-04	6.66E-08	2.32E-08	4.22E-04	6.65E-08	2.32E-08
3267	492363.09, 3847377.25	3.94E-04	6.21E-08	2.16E-08	4.02E-04	6.34E-08	2.21E-08	4.02E-04	6.33E-08	2.21E-08
3268	492863.09, 3847377.25	3.98E-04	6.27E-08	2.18E-08	4.06E-04	6.40E-08	2.23E-08	4.06E-04	6.39E-08	2.23E-08
3269	493363.09, 3847377.25	3.95E-04	6.22E-08	2.17E-08	4.03E-04	6.34E-08	2.21E-08	4.02E-04	6.34E-08	2.21E-08
3270	493863.09, 3847377.25	3.77E-04	5.94E-08	2.07E-08	3.85E-04	6.06E-08	2.11E-08	3.84E-04	6.05E-08	2.11E-08
3271	494363.09, 3847377.25	3.62E-04	5.70E-08	1.99E-08	3.70E-04	5.82E-08	2.03E-08	3.69E-04	5.81E-08	2.03E-08
3272	494863.09, 3847377.25	3.55E-04	5.60E-08	1.95E-08	3.63E-04	5.71E-08	1.99E-08	3.62E-04	5.71E-08	1.99E-08
3273	495363.09, 3847377.25	3.49E-04	5.50E-08	1.91E-08	3.56E-04	5.61E-08	1.95E-08	3.56E-04	5.60E-08	1.95E-08
3274	495863.09, 3847377.25	3.49E-04	5.49E-08	1.91E-08	3.56E-04	5.60E-08	1.95E-08	3.55E-04	5.60E-08	1.95E-08
3275	496363.09, 3847377.25	3.46E-04	5.45E-08	1.90E-08	3.53E-04	5.56E-08	1.94E-08	3.53E-04	5.55E-08	1.94E-08
3276	496863.09, 3847377.25	3.56E-04	5.61E-08	1.96E-08	3.64E-04	5.73E-08	2.00E-08	3.63E-04	5.72E-08	1.99E-08
3277	497363.09, 3847377.25	3.74E-04	5.90E-08	2.05E-08	3.82E-04	6.02E-08	2.10E-08	3.81E-04	6.01E-08	2.09E-08
3278	497863.09, 3847377.25	3.97E-04	6.25E-08	2.18E-08	4.05E-04	6.38E-08	2.22E-08	4.05E-04	6.37E-08	2.22E-08
3279	498363.09, 3847377.25	3.93E-04	6.19E-08	2.16E-08	4.01E-04	6.32E-08	2.20E-08	4.01E-04	6.31E-08	2.20E-08
3280	471363.09, 3847877.25	1.01E-03	1.60E-07	5.57E-08	1.04E-03	1.63E-07	5.68E-08	1.03E-03	1.63E-07	5.68E-08
3281	471863.09, 3847877.25	1.20E-03	1.90E-07	6.61E-08	1.23E-03	1.94E-07	6.75E-08	1.23E-03	1.93E-07	6.74E-08
3282	472363.09, 3847877.25	1.47E-03	2.32E-07	8.09E-08	1.50E-03	2.37E-07	8.25E-08	1.50E-03	2.37E-07	8.24E-08

3283	472863.09, 3847877.25	1.96E-03	3.09E-07	1.08E-07	2.00E-03	3.15E-07	1.10E-07	2.00E-03	3.15E-07	1.10E-07
3284	473363.09, 3847877.25	3.21E-03	5.05E-07	1.76E-07	3.27E-03	5.16E-07	1.80E-07	3.27E-03	5.15E-07	1.79E-07
3285	473863.09, 3847877.25	1.97E-02	3.10E-06	1.08E-06	2.01E-02	3.17E-06	1.10E-06	2.01E-02	3.16E-06	1.10E-06
3286	474363.09, 3847877.25	8.70E-03	1.37E-06	4.78E-07	8.88E-03	1.40E-06	4.87E-07	8.87E-03	1.40E-06	4.87E-07
3287	474863.09, 3847877.25	7.15E-03	1.13E-06	3.92E-07	7.30E-03	1.15E-06	4.00E-07	7.29E-03	1.15E-06	4.00E-07
3288	475363.09, 3847877.25	4.94E-03	7.79E-07	2.71E-07	5.04E-03	7.94E-07	2.77E-07	5.04E-03	7.94E-07	2.76E-07
3289	475863.09, 3847877.25	3.87E-03	6.10E-07	2.12E-07	3.95E-03	6.22E-07	2.17E-07	3.94E-03	6.21E-07	2.16E-07
3290	476363.09, 3847877.25	4.38E-03	6.90E-07	2.40E-07	4.47E-03	7.04E-07	2.45E-07	4.46E-03	7.03E-07	2.45E-07
3291	476863.09, 3847877.25	3.96E-03	6.23E-07	2.17E-07	4.04E-03	6.36E-07	2.22E-07	4.03E-03	6.35E-07	2.21E-07
3292	477363.09, 3847877.25	3.53E-03	5.56E-07	1.94E-07	3.60E-03	5.68E-07	1.98E-07	3.60E-03	5.67E-07	1.98E-07
3293	477863.09, 3847877.25	3.17E-03	4.99E-07	1.74E-07	3.23E-03	5.09E-07	1.77E-07	3.23E-03	5.08E-07	1.77E-07
3294	478363.09, 3847877.25	2.83E-03	4.46E-07	1.55E-07	2.89E-03	4.55E-07	1.59E-07	2.88E-03	4.54E-07	1.58E-07
3295	478863.09, 3847877.25	2.59E-03	4.08E-07	1.42E-07	2.64E-03	4.17E-07	1.45E-07	2.64E-03	4.16E-07	1.45E-07
3296	479363.09, 3847877.25	1.92E-03	3.03E-07	1.05E-07	1.96E-03	3.09E-07	1.08E-07	1.96E-03	3.08E-07	1.07E-07
3297	479863.09, 3847877.25	1.23E-03	1.94E-07	6.77E-08	1.26E-03	1.98E-07	6.91E-08	1.26E-03	1.98E-07	6.90E-08
3298	480363.09, 3847877.25	1.26E-03	1.98E-07	6.90E-08	1.28E-03	2.02E-07	7.04E-08	1.28E-03	2.02E-07	7.03E-08
3299	480863.09, 3847877.25	1.11E-03	1.74E-07	6.07E-08	1.13E-03	1.78E-07	6.20E-08	1.13E-03	1.78E-07	6.19E-08
3300	481363.09, 3847877.25	1.09E-03	1.72E-07	5.99E-08	1.11E-03	1.75E-07	6.11E-08	1.11E-03	1.75E-07	6.10E-08
3301	481863.09, 3847877.25	1.36E-03	2.15E-07	7.49E-08	1.39E-03	2.19E-07	7.64E-08	1.39E-03	2.19E-07	7.63E-08
3302	482363.09, 3847877.25	1.27E-03	1.99E-07	6.95E-08	1.29E-03	2.04E-07	7.09E-08	1.29E-03	2.03E-07	7.08E-08
3303	482863.09, 3847877.25	1.14E-03	1.80E-07	6.28E-08	1.17E-03	1.84E-07	6.41E-08	1.17E-03	1.84E-07	6.40E-08
3304	483363.09, 3847877.25	1.06E-03	1.68E-07	5.84E-08	1.09E-03	1.71E-07	5.96E-08	1.09E-03	1.71E-07	5.96E-08
3305	483863.09, 3847877.25	1.03E-03	1.63E-07	5.67E-08	1.05E-03	1.66E-07	5.78E-08	1.05E-03	1.66E-07	5.77E-08
3306	484363.09, 3847877.25	1.04E-03	1.64E-07	5.70E-08	1.06E-03	1.67E-07	5.81E-08	1.06E-03	1.67E-07	5.81E-08
3307	484863.09, 3847877.25	9.96E-04	1.57E-07	5.46E-08	1.02E-03	1.60E-07	5.58E-08	1.01E-03	1.60E-07	5.57E-08
3308	485363.09, 3847877.25	9.83E-04	1.55E-07	5.40E-08	1.00E-03	1.58E-07	5.51E-08	1.00E-03	1.58E-07	5.50E-08
3309	485863.09, 3847877.25	9.70E-04	1.53E-07	5.32E-08	9.90E-04	1.56E-07	5.43E-08	9.88E-04	1.56E-07	5.42E-08
3310	486363.09, 3847877.25	8.92E-04	1.40E-07	4.89E-08	9.10E-04	1.43E-07	4.99E-08	9.09E-04	1.43E-07	4.99E-08
3311	486863.09, 3847877.25	8.30E-04	1.31E-07	4.55E-08	8.47E-04	1.33E-07	4.65E-08	8.46E-04	1.33E-07	4.64E-08
3312	487363.09, 3847877.25	7.85E-04	1.24E-07	4.31E-08	8.01E-04	1.26E-07	4.40E-08	8.00E-04	1.26E-07	4.39E-08
3313	487863.09, 3847877.25	7.20E-04	1.13E-07	3.95E-08	7.35E-04	1.16E-07	4.03E-08	7.34E-04	1.16E-07	4.03E-08
3314	488363.09, 3847877.25	6.84E-04	1.08E-07	3.75E-08	6.98E-04	1.10E-07	3.83E-08	6.97E-04	1.10E-07	3.82E-08
3315	488863.09, 3847877.25	6.62E-04	1.04E-07	3.63E-08	6.75E-04	1.06E-07	3.70E-08	6.74E-04	1.06E-07	3.70E-08
3316	489363.09, 3847877.25	6.40E-04	1.01E-07	3.51E-08	6.53E-04	1.03E-07	3.59E-08	6.53E-04	1.03E-07	3.58E-08
3317	489863.09, 3847877.25	6.43E-04	1.01E-07	3.53E-08	6.56E-04	1.03E-07	3.60E-08	6.56E-04	1.03E-07	3.60E-08
3318	490363.09, 3847877.25	6.12E-04	9.64E-08	3.36E-08	6.25E-04	9.84E-08	3.43E-08	6.24E-04	9.83E-08	3.42E-08
3319	490863.09, 3847877.25	5.70E-04	8.97E-08	3.13E-08	5.81E-04	9.16E-08	3.19E-08	5.81E-04	9.15E-08	3.19E-08
3320	491363.09, 3847877.25	5.10E-04	8.03E-08	2.80E-08	5.20E-04	8.19E-08	2.85E-08	5.20E-04	8.18E-08	2.85E-08
3321	491863.09, 3847877.25	4.90E-04	7.72E-08	2.69E-08	5.00E-04	7.88E-08	2.75E-08	5.00E-04	7.87E-08	2.74E-08
3322	492363.09, 3847877.25	4.78E-04	7.53E-08	2.62E-08	4.88E-04	7.69E-08	2.68E-08	4.87E-04	7.68E-08	2.68E-08
3323	492863.09, 3847877.25	4.59E-04	7.24E-08	2.52E-08	4.69E-04	7.38E-08	2.57E-08	4.68E-04	7.38E-08	2.57E-08
3324	493363.09, 3847877.25	4.15E-04	6.55E-08	2.28E-08	4.24E-04	6.68E-08	2.33E-08	4.23E-04	6.67E-08	2.32E-08
3325	493863.09, 3847877.25	3.86E-04	6.08E-08	2.12E-08	3.94E-04	6.21E-08	2.16E-08	3.93E-04	6.20E-08	2.16E-08
3326	494363.09, 3847877.25	3.71E-04	5.84E-08	2.03E-08	3.78E-04	5.96E-08	2.08E-08	3.78E-04	5.95E-08	2.07E-08
3327	494863.09, 3847877.25	3.62E-04	5.71E-08	1.99E-08	3.70E-04	5.83E-08	2.03E-08	3.69E-04	5.82E-08	2.03E-08
3328	495363.09, 3847877.25	3.44E-04	5.42E-08	1.89E-08	3.51E-04	5.53E-08	1.93E-08	3.51E-04	5.53E-08	1.93E-08
3329	495863.09, 3847877.25	2.90E-04	4.57E-08	1.59E-08	2.96E-04	4.67E-08	1.63E-08	2.96E-04	4.66E-08	1.62E-08
3330	496363.09, 3847877.25	3.40E-04	5.35E-08	1.86E-08	3.47E-04	5.46E-08	1.90E-08	3.46E-04	5.46E-08	1.90E-08
3331	496863.09, 3847877.25	3.49E-04	5.51E-08	1.92E-08	3.57E-04	5.62E-08	1.96E-08	3.56E-04	5.61E-08	1.95E-08
3332	497363.09, 3847877.25	3.68E-04	5.80E-08	2.02E-08	3.76E-04	5.92E-08	2.06E-08	3.75E-04	5.91E-08	2.06E-08
3333	497863.09, 3847877.25	4.19E-04	6.60E-08	2.30E-08	4.28E-04	6.74E-08	2.35E-08	4.27E-04	6.73E-08	2.34E-08
3334	498363.09, 3847877.25	4.26E-04	6.72E-08	2.34E-08	4.35E-04	6.85E-08	2.39E-08	4.35E-04	6.85E-08	2.39E-08
3335	471363.09, 3848377.25	1.08E-03	1.70E-07	5.93E-08	1.10E-03	1.74E-07	6.05E-08	1.10E-03	1.73E-07	6.04E-08
3336	471863.09, 3848377.25	1.31E-03	2.07E-07	7.21E-08	1.34E-03	2.11E-07	7.36E-08	1.34E-03	2.11E-07	7.35E-08
3337	472363.09, 3848377.25	1.67E-03	2.63E-07	9.17E-08	1.71E-03	2.69E-07	9.36E-08	1.70E-03	2.68E-07	9.35E-08
3338	472863.09, 3848377.25	2.27E-03	3.58E-07	1.25E-07	2.32E-03	3.65E-07	1.27E-07	2.32E-03	3.65E-07	1.27E-07
3339	473363.09, 3848377.25	3.41E-03	5.37E-07	1.87E-07	3.48E-03	5.48E-07	1.91E-07	3.48E-03	5.48E-07	1.91E-07
3340	473863.09, 3848377.25	6.27E-03	9.88E-07	3.44E-07	6.40E-03	1.01E-06	3.51E-07	6.39E-03	1.01E-06	3.51E-07
3341	474363.09, 3848377.25	2.27E-02	3.58E-06	1.25E-06	2.32E-02	3.65E-06	1.27E-06	2.32E-02	3.65E-06	1.27E-06
3342	474863.09, 3848377.25	2.11E-02	3.32E-06	1.16E-06	2.15E-02	3.39E-06	1.18E-06	2.15E-02	3.39E-06	1.18E-06
3343	475363.09, 3848377.25	1.44E-02	2.28E-06	7.93E-07	1.47E-02	2.32E-06	8.09E-07	1.47E-02	2.32E-06	8.08E-07
3344	475863.09, 3848377.25	8.79E-03	1.38E-06	4.82E-07	8.97E-03	1.41E-06	4.92E-07	8.96E-03	1.41E-06	4.91E-07

3345	476363.09, 3848377.25	6.12E-03	9.64E-07	3.36E-07	6.24E-03	9.83E-07	3.43E-07	6.24E-03	9.82E-07	3.42E-07
3346	476863.09, 3848377.25	6.56E-03	1.03E-06	3.60E-07	6.70E-03	1.06E-06	3.68E-07	6.69E-03	1.05E-06	3.67E-07
3347	477363.09, 3848377.25	5.66E-03	8.91E-07	3.10E-07	5.77E-03	9.09E-07	3.17E-07	5.77E-03	9.08E-07	3.16E-07
3348	477863.09, 3848377.25	5.10E-03	8.04E-07	2.80E-07	5.21E-03	8.20E-07	2.86E-07	5.20E-03	8.19E-07	2.85E-07
3349	478363.09, 3848377.25	4.49E-03	7.07E-07	2.46E-07	4.58E-03	7.21E-07	2.51E-07	4.57E-03	7.20E-07	2.51E-07
3350	478863.09, 3848377.25	3.81E-03	6.00E-07	2.09E-07	3.88E-03	6.12E-07	2.13E-07	3.88E-03	6.11E-07	2.13E-07
3351	479363.09, 3848377.25	2.85E-03	4.49E-07	1.56E-07	2.91E-03	4.58E-07	1.60E-07	2.90E-03	4.57E-07	1.59E-07
3352	479863.09, 3848377.25	1.21E-03	1.91E-07	6.64E-08	1.24E-03	1.95E-07	6.78E-08	1.23E-03	1.94E-07	6.77E-08
3353	480363.09, 3848377.25	1.60E-03	2.52E-07	8.78E-08	1.63E-03	2.57E-07	8.96E-08	1.63E-03	2.57E-07	8.95E-08
3354	480863.09, 3848377.25	1.97E-03	3.11E-07	1.08E-07	2.01E-03	3.17E-07	1.10E-07	2.01E-03	3.17E-07	1.10E-07
3355	481363.09, 3848377.25	1.88E-03	2.97E-07	1.03E-07	1.92E-03	3.03E-07	1.05E-07	1.92E-03	3.02E-07	1.05E-07
3356	481863.09, 3848377.25	1.85E-03	2.91E-07	1.01E-07	1.88E-03	2.97E-07	1.03E-07	1.88E-03	2.96E-07	1.03E-07
3357	482363.09, 3848377.25	1.76E-03	2.77E-07	9.65E-08	1.80E-03	2.83E-07	9.85E-08	1.79E-03	2.82E-07	9.84E-08
3358	482863.09, 3848377.25	1.55E-03	2.44E-07	8.48E-08	1.58E-03	2.48E-07	8.66E-08	1.58E-03	2.48E-07	8.65E-08
3359	483363.09, 3848377.25	1.44E-03	2.27E-07	7.92E-08	1.47E-03	2.32E-07	8.09E-08	1.47E-03	2.32E-07	8.08E-08
3360	483863.09, 3848377.25	1.31E-03	2.06E-07	7.17E-08	1.33E-03	2.10E-07	7.32E-08	1.33E-03	2.10E-07	7.31E-08
3361	484363.09, 3848377.25	1.27E-03	2.00E-07	6.97E-08	1.30E-03	2.04E-07	7.11E-08	1.29E-03	2.04E-07	7.10E-08
3362	484863.09, 3848377.25	1.30E-03	2.05E-07	7.14E-08	1.33E-03	2.09E-07	7.29E-08	1.33E-03	2.09E-07	7.28E-08
3363	485363.09, 3848377.25	1.25E-03	1.96E-07	6.84E-08	1.27E-03	2.00E-07	6.98E-08	1.27E-03	2.00E-07	6.97E-08
3364	485863.09, 3848377.25	1.20E-03	1.89E-07	6.59E-08	1.23E-03	1.93E-07	6.72E-08	1.22E-03	1.93E-07	6.72E-08
3365	486363.09, 3848377.25	1.12E-03	1.77E-07	6.16E-08	1.14E-03	1.80E-07	6.28E-08	1.14E-03	1.80E-07	6.27E-08
3366	486863.09, 3848377.25	1.03E-03	1.62E-07	5.65E-08	1.05E-03	1.66E-07	5.77E-08	1.05E-03	1.65E-07	5.76E-08
3367	487363.09, 3848377.25	9.22E-04	1.45E-07	5.06E-08	9.41E-04	1.48E-07	5.16E-08	9.40E-04	1.48E-07	5.16E-08
3368	487863.09, 3848377.25	8.80E-04	1.39E-07	4.83E-08	8.98E-04	1.41E-07	4.93E-08	8.97E-04	1.41E-07	4.92E-08
3369	488363.09, 3848377.25	8.34E-04	1.31E-07	4.58E-08	8.51E-04	1.34E-07	4.67E-08	8.50E-04	1.34E-07	4.67E-08
3370	488863.09, 3848377.25	7.99E-04	1.26E-07	4.38E-08	8.15E-04	1.28E-07	4.47E-08	8.14E-04	1.28E-07	4.47E-08
3371	489363.09, 3848377.25	7.76E-04	1.22E-07	4.26E-08	7.91E-04	1.25E-07	4.34E-08	7.90E-04	1.25E-07	4.34E-08
3372	489863.09, 3848377.25	7.77E-04	1.22E-07	4.27E-08	7.93E-04	1.25E-07	4.35E-08	7.92E-04	1.25E-07	4.35E-08
3373	490363.09, 3848377.25	7.33E-04	1.15E-07	4.02E-08	7.48E-04	1.18E-07	4.10E-08	7.47E-04	1.18E-07	4.10E-08
3374	490863.09, 3848377.25	6.67E-04	1.05E-07	3.66E-08	6.81E-04	1.07E-07	3.74E-08	6.80E-04	1.07E-07	3.73E-08
3375	491363.09, 3848377.25	6.15E-04	9.69E-08	3.38E-08	6.28E-04	9.89E-08	3.44E-08	6.27E-04	9.87E-08	3.44E-08
3376	491863.09, 3848377.25	5.76E-04	9.08E-08	3.16E-08	5.88E-04	9.27E-08	3.23E-08	5.87E-04	9.25E-08	3.22E-08
3377	492363.09, 3848377.25	5.14E-04	8.09E-08	2.82E-08	5.24E-04	8.26E-08	2.88E-08	5.23E-04	8.25E-08	2.87E-08
3378	492863.09, 3848377.25	4.51E-04	7.10E-08	2.47E-08	4.60E-04	7.25E-08	2.52E-08	4.59E-04	7.24E-08	2.52E-08
3379	493363.09, 3848377.25	4.19E-04	6.60E-08	2.30E-08	4.28E-04	6.74E-08	2.35E-08	4.27E-04	6.73E-08	2.34E-08
3380	493863.09, 3848377.25	3.91E-04	6.16E-08	2.14E-08	3.99E-04	6.28E-08	2.19E-08	3.98E-04	6.27E-08	2.19E-08
3381	494363.09, 3848377.25	3.65E-04	5.76E-08	2.01E-08	3.73E-04	5.87E-08	2.05E-08	3.72E-04	5.87E-08	2.04E-08
3382	494863.09, 3848377.25	3.60E-04	5.67E-08	1.98E-08	3.67E-04	5.79E-08	2.02E-08	3.67E-04	5.78E-08	2.01E-08
3383	495363.09, 3848377.25	3.19E-04	5.02E-08	1.75E-08	3.25E-04	5.13E-08	1.79E-08	3.25E-04	5.12E-08	1.78E-08
3384	495863.09, 3848377.25	3.06E-04	4.82E-08	1.68E-08	3.12E-04	4.92E-08	1.71E-08	3.12E-04	4.92E-08	1.71E-08
3385	496363.09, 3848377.25	3.24E-04	5.10E-08	1.78E-08	3.30E-04	5.20E-08	1.81E-08	3.30E-04	5.19E-08	1.81E-08
3386	496863.09, 3848377.25	3.06E-04	4.82E-08	1.68E-08	3.12E-04	4.92E-08	1.71E-08	3.12E-04	4.91E-08	1.71E-08
3387	497363.09, 3848377.25	3.39E-04	5.35E-08	1.86E-08	3.46E-04	5.46E-08	1.90E-08	3.46E-04	5.45E-08	1.90E-08
3388	497863.09, 3848377.25	4.53E-04	7.14E-08	2.49E-08	4.63E-04	7.29E-08	2.54E-08	4.62E-04	7.28E-08	2.54E-08
3389	498363.09, 3848377.25	4.50E-04	7.09E-08	2.47E-08	4.59E-04	7.24E-08	2.52E-08	4.59E-04	7.23E-08	2.52E-08
3390	471363.09, 3848877.25	1.09E-03	1.72E-07	5.98E-08	1.11E-03	1.75E-07	6.11E-08	1.11E-03	1.75E-07	6.10E-08
3391	471863.09, 3848877.25	1.33E-03	2.09E-07	7.28E-08	1.35E-03	2.13E-07	7.43E-08	1.35E-03	2.13E-07	7.42E-08
3392	472363.09, 3848877.25	1.65E-03	2.61E-07	9.08E-08	1.69E-03	2.66E-07	9.27E-08	1.69E-03	2.66E-07	9.26E-08
3393	472863.09, 3848877.25	2.14E-03	3.37E-07	1.17E-07	2.18E-03	3.44E-07	1.20E-07	2.18E-03	3.43E-07	1.20E-07
3394	473363.09, 3848877.25	2.92E-03	4.60E-07	1.60E-07	2.98E-03	4.70E-07	1.64E-07	2.98E-03	4.69E-07	1.63E-07
3395	473863.09, 3848877.25	4.27E-03	6.73E-07	2.35E-07	4.36E-03	6.87E-07	2.39E-07	4.36E-03	6.86E-07	2.39E-07
3396	474363.09, 3848877.25	6.79E-03	1.07E-06	3.72E-07	6.93E-03	1.09E-06	3.80E-07	6.92E-03	1.09E-06	3.80E-07
3397	474863.09, 3848877.25	1.92E-02	3.03E-06	1.06E-06	1.96E-02	3.09E-06	1.08E-06	1.96E-02	3.09E-06	1.08E-06
3398	475363.09, 3848877.25	3.79E-02	5.98E-06	2.08E-06	3.87E-02	6.10E-06	2.13E-06	3.87E-02	6.09E-06	2.12E-06
3399	475863.09, 3848877.25	2.10E-02	3.31E-06	1.15E-06	2.14E-02	3.38E-06	1.18E-06	2.14E-02	3.37E-06	1.17E-06
3400	476363.09, 3848877.25	1.46E-02	2.30E-06	8.00E-07	1.49E-02	2.34E-06	8.16E-07	1.49E-02	2.34E-06	8.15E-07
3401	476863.09, 3848877.25	1.11E-02	1.74E-06	6.07E-07	1.13E-02	1.78E-06	6.20E-07	1.13E-02	1.78E-06	6.19E-07
3402	477363.09, 3848877.25	1.10E-02	1.74E-06	6.05E-07	1.13E-02	1.77E-06	6.18E-07	1.12E-02	1.77E-06	6.17E-07
3403	477863.09, 3848877.25	8.94E-03	1.41E-06	4.91E-07	9.12E-03	1.44E-06	5.01E-07	9.11E-03	1.44E-06	5.00E-07
3404	478363.09, 3848877.25	7.58E-03	1.19E-06	4.16E-07	7.73E-03	1.22E-06	4.24E-07	7.72E-03	1.22E-06	4.24E-07
3405	478863.09, 3848877.25	6.14E-03	9.68E-07	3.37E-07	6.27E-03	9.88E-07	3.44E-07	6.26E-03	9.86E-07	3.44E-07
3406	479363.09, 3848877.25	4.77E-03	7.52E-07	2.62E-07	4.87E-03	7.67E-07	2.67E-07	4.86E-03	7.66E-07	2.67E-07

3407	479863.09, 3848877.25	3.67E-03	5.78E-07	2.01E-07	3.74E-03	5.89E-07	2.05E-07	3.74E-03	5.89E-07	2.05E-07
3408	480363.09, 3848877.25	3.43E-03	5.40E-07	1.88E-07	3.50E-03	5.51E-07	1.92E-07	3.49E-03	5.50E-07	1.92E-07
3409	480863.09, 3848877.25	3.21E-03	5.06E-07	1.76E-07	3.28E-03	5.16E-07	1.80E-07	3.27E-03	5.16E-07	1.80E-07
3410	481363.09, 3848877.25	2.85E-03	4.49E-07	1.56E-07	2.91E-03	4.58E-07	1.60E-07	2.90E-03	4.58E-07	1.59E-07
3411	481863.09, 3848877.25	2.42E-03	3.82E-07	1.33E-07	2.47E-03	3.90E-07	1.36E-07	2.47E-03	3.89E-07	1.36E-07
3412	482363.09, 3848877.25	2.01E-03	3.16E-07	1.10E-07	2.05E-03	3.23E-07	1.12E-07	2.05E-03	3.22E-07	1.12E-07
3413	482863.09, 3848877.25	1.69E-03	2.67E-07	9.29E-08	1.73E-03	2.72E-07	9.48E-08	1.73E-03	2.72E-07	9.47E-08
3414	483363.09, 3848877.25	1.47E-03	2.31E-07	8.06E-08	1.50E-03	2.36E-07	8.23E-08	1.50E-03	2.36E-07	8.22E-08
3415	483863.09, 3848877.25	1.39E-03	2.19E-07	7.62E-08	1.42E-03	2.23E-07	7.78E-08	1.42E-03	2.23E-07	7.77E-08
3416	484363.09, 3848877.25	1.53E-03	2.42E-07	8.42E-08	1.57E-03	2.47E-07	8.59E-08	1.56E-03	2.46E-07	8.58E-08
3417	484863.09, 3848877.25	1.65E-03	2.59E-07	9.03E-08	1.68E-03	2.65E-07	9.22E-08	1.68E-03	2.64E-07	9.21E-08
3418	485363.09, 3848877.25	1.55E-03	2.45E-07	8.53E-08	1.59E-03	2.50E-07	8.70E-08	1.58E-03	2.49E-07	8.69E-08
3419	485863.09, 3848877.25	1.47E-03	2.31E-07	8.06E-08	1.50E-03	2.36E-07	8.22E-08	1.50E-03	2.36E-07	8.21E-08
3420	486363.09, 3848877.25	1.33E-03	2.10E-07	7.30E-08	1.36E-03	2.14E-07	7.45E-08	1.36E-03	2.14E-07	7.44E-08
3421	486863.09, 3848877.25	1.19E-03	1.87E-07	6.52E-08	1.21E-03	1.91E-07	6.65E-08	1.21E-03	1.91E-07	6.64E-08
3422	487363.09, 3848877.25	1.14E-03	1.80E-07	6.27E-08	1.17E-03	1.84E-07	6.40E-08	1.16E-03	1.83E-07	6.39E-08
3423	487863.09, 3848877.25	1.06E-03	1.67E-07	5.83E-08	1.08E-03	1.71E-07	5.95E-08	1.08E-03	1.71E-07	5.94E-08
3424	488363.09, 3848877.25	1.01E-03	1.59E-07	5.55E-08	1.03E-03	1.63E-07	5.66E-08	1.03E-03	1.62E-07	5.66E-08
3425	488863.09, 3848877.25	9.50E-04	1.50E-07	5.21E-08	9.69E-04	1.53E-07	5.32E-08	9.68E-04	1.53E-07	5.31E-08
3426	489363.09, 3848877.25	9.22E-04	1.45E-07	5.06E-08	9.41E-04	1.48E-07	5.17E-08	9.40E-04	1.48E-07	5.16E-08
3427	489863.09, 3848877.25	8.97E-04	1.41E-07	4.92E-08	9.15E-04	1.44E-07	5.02E-08	9.14E-04	1.44E-07	5.02E-08
3428	490363.09, 3848877.25	8.17E-04	1.29E-07	4.48E-08	8.34E-04	1.31E-07	4.58E-08	8.33E-04	1.31E-07	4.57E-08
3429	490863.09, 3848877.25	7.40E-04	1.17E-07	4.06E-08	7.56E-04	1.19E-07	4.15E-08	7.55E-04	1.19E-07	4.14E-08
3430	491363.09, 3848877.25	6.90E-04	1.09E-07	3.78E-08	7.04E-04	1.11E-07	3.86E-08	7.03E-04	1.11E-07	3.86E-08
3431	491863.09, 3848877.25	6.06E-04	9.55E-08	3.33E-08	6.18E-04	9.74E-08	3.39E-08	6.18E-04	9.73E-08	3.39E-08
3432	492363.09, 3848877.25	5.27E-04	8.30E-08	2.89E-08	5.38E-04	8.47E-08	2.95E-08	5.37E-04	8.46E-08	2.95E-08
3433	492863.09, 3848877.25	4.47E-04	7.04E-08	2.45E-08	4.56E-04	7.18E-08	2.50E-08	4.55E-04	7.17E-08	2.50E-08
3434	493363.09, 3848877.25	3.77E-04	5.93E-08	2.07E-08	3.84E-04	6.05E-08	2.11E-08	3.84E-04	6.05E-08	2.11E-08
3435	493863.09, 3848877.25	3.72E-04	5.85E-08	2.04E-08	3.79E-04	5.97E-08	2.08E-08	3.79E-04	5.97E-08	2.08E-08
3436	494363.09, 3848877.25	3.54E-04	5.57E-08	1.94E-08	3.61E-04	5.69E-08	1.98E-08	3.61E-04	5.68E-08	1.98E-08
3437	494863.09, 3848877.25	3.57E-04	5.63E-08	1.96E-08	3.65E-04	5.75E-08	2.00E-08	3.64E-04	5.74E-08	2.00E-08
3438	495363.09, 3848877.25	3.52E-04	5.55E-08	1.93E-08	3.60E-04	5.67E-08	1.97E-08	3.59E-04	5.66E-08	1.97E-08
3439	495863.09, 3848877.25	3.06E-04	4.81E-08	1.68E-08	3.12E-04	4.91E-08	1.71E-08	3.11E-04	4.91E-08	1.71E-08
3440	496363.09, 3848877.25	3.02E-04	4.75E-08	1.66E-08	3.08E-04	4.85E-08	1.69E-08	3.08E-04	4.84E-08	1.69E-08
3441	496863.09, 3848877.25	3.35E-04	5.28E-08	1.84E-08	3.42E-04	5.39E-08	1.88E-08	3.42E-04	5.38E-08	1.88E-08
3442	497363.09, 3848877.25	4.25E-04	6.69E-08	2.33E-08	4.34E-04	6.83E-08	2.38E-08	4.33E-04	6.82E-08	2.38E-08
3443	497863.09, 3848877.25	4.55E-04	7.17E-08	2.50E-08	4.65E-04	7.32E-08	2.55E-08	4.64E-04	7.31E-08	2.55E-08
3444	498363.09, 3848877.25	4.72E-04	7.43E-08	2.59E-08	4.81E-04	7.58E-08	2.64E-08	4.81E-04	7.57E-08	2.64E-08
3445	471363.09, 3849377.25	1.06E-03	1.67E-07	5.81E-08	1.08E-03	1.70E-07	5.93E-08	1.08E-03	1.70E-07	5.92E-08
3446	471863.09, 3849377.25	1.28E-03	2.01E-07	7.01E-08	1.30E-03	2.05E-07	7.15E-08	1.30E-03	2.05E-07	7.14E-08
3447	472363.09, 3849377.25	1.54E-03	2.42E-07	8.43E-08	1.57E-03	2.47E-07	8.61E-08	1.57E-03	2.47E-07	8.60E-08
3448	472863.09, 3849377.25	1.91E-03	3.00E-07	1.05E-07	1.94E-03	3.06E-07	1.07E-07	1.94E-03	3.06E-07	1.07E-07
3449	473363.09, 3849377.25	2.44E-03	3.85E-07	1.34E-07	2.49E-03	3.93E-07	1.37E-07	2.49E-03	3.92E-07	1.37E-07
3450	473863.09, 3849377.25	3.20E-03	5.04E-07	1.75E-07	3.26E-03	5.14E-07	1.79E-07	3.26E-03	5.13E-07	1.79E-07
3451	474363.09, 3849377.25	4.30E-03	6.78E-07	2.36E-07	4.39E-03	6.92E-07	2.41E-07	4.39E-03	6.91E-07	2.41E-07
3452	474863.09, 3849377.25	6.16E-03	9.71E-07	3.38E-07	6.29E-03	9.91E-07	3.45E-07	6.28E-03	9.90E-07	3.45E-07
3453	475363.09, 3849377.25	1.02E-02	1.61E-06	5.62E-07	1.04E-02	1.65E-06	5.73E-07	1.04E-02	1.64E-06	5.72E-07
3454	475863.09, 3849377.25	1.77E-02	2.79E-06	9.73E-07	1.81E-02	2.85E-06	9.93E-07	1.81E-02	2.85E-06	9.92E-07
3455	476363.09, 3849377.25	3.29E-02	5.19E-06	1.81E-06	3.36E-02	5.30E-06	1.85E-06	3.36E-02	5.29E-06	1.84E-06
3456	476863.09, 3849377.25	7.30E-02	1.15E-05	4.01E-06	7.45E-02	1.17E-05	4.09E-06	7.44E-02	1.17E-05	4.09E-06
3457	477363.09, 3849377.25	2.63E-02	4.14E-06	1.44E-06	2.68E-02	4.23E-06	1.47E-06	2.68E-02	4.22E-06	1.47E-06
3458	477863.09, 3849377.25	1.69E-02	2.67E-06	9.29E-07	1.73E-02	2.72E-06	9.48E-07	1.72E-02	2.72E-06	9.46E-07
3459	478363.09, 3849377.25	1.28E-02	2.01E-06	7.00E-07	1.30E-02	2.05E-06	7.14E-07	1.30E-02	2.05E-06	7.14E-07
3460	478863.09, 3849377.25	9.49E-03	1.50E-06	5.21E-07	9.68E-03	1.53E-06	5.31E-07	9.67E-03	1.52E-06	5.31E-07
3461	479363.09, 3849377.25	7.58E-03	1.19E-06	4.16E-07	7.73E-03	1.22E-06	4.24E-07	7.72E-03	1.22E-06	4.24E-07
3462	479863.09, 3849377.25	5.60E-03	8.82E-07	3.07E-07	5.72E-03	9.00E-07	3.14E-07	5.71E-03	8.99E-07	3.13E-07
3463	480363.09, 3849377.25	5.42E-03	8.53E-07	2.97E-07	5.53E-03	8.71E-07	3.03E-07	5.52E-03	8.70E-07	3.03E-07
3464	480863.09, 3849377.25	4.60E-03	7.24E-07	2.52E-07	4.69E-03	7.39E-07	2.58E-07	4.69E-03	7.38E-07	2.57E-07
3465	481363.09, 3849377.25	3.66E-03	5.77E-07	2.01E-07	3.74E-03	5.89E-07	2.05E-07	3.73E-03	5.88E-07	2.05E-07
3466	481863.09, 3849377.25	2.71E-03	4.26E-07	1.49E-07	2.76E-03	4.35E-07	1.52E-07	2.76E-03	4.35E-07	1.51E-07
3467	482363.09, 3849377.25	2.29E-03	3.61E-07	1.26E-07	2.34E-03	3.69E-07	1.28E-07	2.34E-03	3.68E-07	1.28E-07
3468	482863.09, 3849377.25	1.86E-03	2.94E-07	1.02E-07	1.90E-03	3.00E-07	1.04E-07	1.90E-03	2.99E-07	1.04E-07

3469	483363.09, 3849377.25	1.64E-03	2.58E-07	9.00E-08	1.67E-03	2.64E-07	9.18E-08	1.67E-03	2.63E-07	9.17E-08
3470	483863.09, 3849377.25	1.36E-03	2.14E-07	7.45E-08	1.38E-03	2.18E-07	7.60E-08	1.38E-03	2.18E-07	7.59E-08
3471	484363.09, 3849377.25	1.81E-03	2.86E-07	9.95E-08	1.85E-03	2.91E-07	1.02E-07	1.85E-03	2.91E-07	1.01E-07
3472	484863.09, 3849377.25	2.00E-03	3.15E-07	1.10E-07	2.04E-03	3.21E-07	1.12E-07	2.04E-03	3.21E-07	1.12E-07
3473	485363.09, 3849377.25	1.89E-03	2.97E-07	1.04E-07	1.92E-03	3.03E-07	1.06E-07	1.92E-03	3.03E-07	1.06E-07
3474	485863.09, 3849377.25	1.52E-03	2.40E-07	8.36E-08	1.55E-03	2.45E-07	8.53E-08	1.55E-03	2.44E-07	8.52E-08
3475	486363.09, 3849377.25	1.24E-03	1.96E-07	6.82E-08	1.27E-03	2.00E-07	6.96E-08	1.27E-03	2.00E-07	6.96E-08
3476	486863.09, 3849377.25	1.38E-03	2.17E-07	7.56E-08	1.41E-03	2.21E-07	7.72E-08	1.40E-03	2.21E-07	7.71E-08
3477	487363.09, 3849377.25	1.35E-03	2.13E-07	7.41E-08	1.38E-03	2.17E-07	7.56E-08	1.38E-03	2.17E-07	7.56E-08
3478	487863.09, 3849377.25	1.26E-03	1.99E-07	6.92E-08	1.29E-03	2.03E-07	7.06E-08	1.29E-03	2.03E-07	7.06E-08
3479	488363.09, 3849377.25	1.19E-03	1.87E-07	6.51E-08	1.21E-03	1.91E-07	6.65E-08	1.21E-03	1.91E-07	6.64E-08
3480	488863.09, 3849377.25	1.13E-03	1.78E-07	6.20E-08	1.15E-03	1.82E-07	6.32E-08	1.15E-03	1.81E-07	6.32E-08
3481	489363.09, 3849377.25	1.07E-03	1.69E-07	5.90E-08	1.10E-03	1.73E-07	6.02E-08	1.09E-03	1.72E-07	6.01E-08
3482	489863.09, 3849377.25	1.00E-03	1.58E-07	5.51E-08	1.02E-03	1.61E-07	5.62E-08	1.02E-03	1.61E-07	5.62E-08
3483	490363.09, 3849377.25	9.02E-04	1.42E-07	4.95E-08	9.21E-04	1.45E-07	5.05E-08	9.20E-04	1.45E-07	5.05E-08
3484	490863.09, 3849377.25	8.23E-04	1.30E-07	4.52E-08	8.40E-04	1.32E-07	4.61E-08	8.39E-04	1.32E-07	4.60E-08
3485	491363.09, 3849377.25	7.56E-04	1.19E-07	4.15E-08	7.71E-04	1.21E-07	4.23E-08	7.70E-04	1.21E-07	4.23E-08
3486	491863.09, 3849377.25	6.59E-04	1.04E-07	3.61E-08	6.72E-04	1.06E-07	3.69E-08	6.71E-04	1.06E-07	3.68E-08
3487	492363.09, 3849377.25	5.72E-04	9.01E-08	3.14E-08	5.83E-04	9.19E-08	3.20E-08	5.83E-04	9.18E-08	3.20E-08
3488	492863.09, 3849377.25	4.61E-04	7.26E-08	2.53E-08	4.71E-04	7.41E-08	2.58E-08	4.70E-04	7.40E-08	2.58E-08
3489	493363.09, 3849377.25	4.14E-04	6.52E-08	2.27E-08	4.22E-04	6.65E-08	2.32E-08	4.22E-04	6.64E-08	2.31E-08
3490	493863.09, 3849377.25	3.85E-04	6.07E-08	2.12E-08	3.93E-04	6.20E-08	2.16E-08	3.93E-04	6.19E-08	2.16E-08
3491	494363.09, 3849377.25	3.84E-04	6.05E-08	2.11E-08	3.92E-04	6.18E-08	2.15E-08	3.92E-04	6.17E-08	2.15E-08
3492	494863.09, 3849377.25	4.33E-04	6.83E-08	2.38E-08	4.42E-04	6.97E-08	2.43E-08	4.42E-04	6.96E-08	2.42E-08
3493	495363.09, 3849377.25	4.37E-04	6.89E-08	2.40E-08	4.46E-04	7.03E-08	2.45E-08	4.46E-04	7.02E-08	2.45E-08
3494	495863.09, 3849377.25	3.15E-04	4.96E-08	1.73E-08	3.21E-04	5.06E-08	1.76E-08	3.21E-04	5.05E-08	1.76E-08
3495	496363.09, 3849377.25	2.91E-04	4.59E-08	1.60E-08	2.97E-04	4.68E-08	1.63E-08	2.97E-04	4.67E-08	1.63E-08
3496	496863.09, 3849377.25	4.02E-04	6.33E-08	2.20E-08	4.10E-04	6.46E-08	2.25E-08	4.09E-04	6.45E-08	2.25E-08
3497	497363.09, 3849377.25	4.25E-04	6.70E-08	2.34E-08	4.34E-04	6.84E-08	2.38E-08	4.34E-04	6.83E-08	2.38E-08
3498	497863.09, 3849377.25	5.35E-04	8.43E-08	2.94E-08	5.46E-04	8.60E-08	3.00E-08	5.45E-04	8.59E-08	2.99E-08
3499	498363.09, 3849377.25	4.97E-04	7.83E-08	2.73E-08	5.07E-04	7.99E-08	2.78E-08	5.07E-04	7.98E-08	2.78E-08
3500	471363.09, 3849877.25	8.30E-04	1.31E-07	4.55E-08	8.47E-04	1.33E-07	4.65E-08	8.46E-04	1.33E-07	4.64E-08
3501	471863.09, 3849877.25	1.12E-03	1.77E-07	6.17E-08	1.15E-03	1.81E-07	6.30E-08	1.15E-03	1.81E-07	6.29E-08
3502	472363.09, 3849877.25	1.40E-03	2.21E-07	7.69E-08	1.43E-03	2.25E-07	7.85E-08	1.43E-03	2.25E-07	7.84E-08
3503	472863.09, 3849877.25	1.69E-03	2.67E-07	9.29E-08	1.73E-03	2.72E-07	9.48E-08	1.72E-03	2.72E-07	9.46E-08
3504	473363.09, 3849877.25	2.06E-03	3.25E-07	1.13E-07	2.11E-03	3.32E-07	1.16E-07	2.10E-03	3.31E-07	1.15E-07
3505	473863.09, 3849877.25	2.54E-03	3.99E-07	1.39E-07	2.59E-03	4.08E-07	1.42E-07	2.58E-03	4.07E-07	1.42E-07
3506	474363.09, 3849877.25	3.12E-03	4.92E-07	1.71E-07	3.19E-03	5.02E-07	1.75E-07	3.18E-03	5.01E-07	1.75E-07
3507	474863.09, 3849877.25	3.87E-03	6.09E-07	2.12E-07	3.94E-03	6.21E-07	2.16E-07	3.94E-03	6.21E-07	2.16E-07
3508	475363.09, 3849877.25	4.86E-03	7.66E-07	2.67E-07	4.96E-03	7.81E-07	2.72E-07	4.95E-03	7.80E-07	2.72E-07
3509	475863.09, 3849877.25	6.17E-03	9.73E-07	3.39E-07	6.30E-03	9.93E-07	3.46E-07	6.29E-03	9.91E-07	3.45E-07
3510	476363.09, 3849877.25	8.07E-03	1.27E-06	4.43E-07	8.23E-03	1.30E-06	4.52E-07	8.22E-03	1.29E-06	4.51E-07
3511	476863.09, 3849877.25	1.14E-02	1.80E-06	6.28E-07	1.17E-02	1.84E-06	6.41E-07	1.17E-02	1.84E-06	6.40E-07
3512	477363.09, 3849877.25	2.15E-02	3.39E-06	1.18E-06	2.20E-02	3.46E-06	1.21E-06	2.19E-02	3.46E-06	1.20E-06
3513	477863.09, 3849877.25	7.94E-02	1.25E-05	4.36E-06	8.10E-02	1.28E-05	4.45E-06	8.09E-02	1.28E-05	4.44E-06
3514	478363.09, 3849877.25	2.87E-02	4.52E-06	1.57E-06	2.93E-02	4.61E-06	1.61E-06	2.92E-02	4.61E-06	1.60E-06
3515	478863.09, 3849877.25	1.85E-02	2.92E-06	1.02E-06	1.89E-02	2.98E-06	1.04E-06	1.89E-02	2.98E-06	1.04E-06
3516	479363.09, 3849877.25	1.29E-02	2.03E-06	7.07E-07	1.31E-02	2.07E-06	7.22E-07	1.31E-02	2.07E-06	7.21E-07
3517	479863.09, 3849877.25	1.03E-02	1.62E-06	5.64E-07	1.05E-02	1.65E-06	5.76E-07	1.05E-02	1.65E-06	5.75E-07
3518	480363.09, 3849877.25	7.53E-03	1.19E-06	4.13E-07	7.69E-03	1.21E-06	4.22E-07	7.68E-03	1.21E-06	4.21E-07
3519	480863.09, 3849877.25	5.82E-03	9.17E-07	3.19E-07	5.94E-03	9.36E-07	3.26E-07	5.93E-03	9.34E-07	3.26E-07
3520	481363.09, 3849877.25	4.79E-03	7.54E-07	2.63E-07	4.88E-03	7.69E-07	2.68E-07	4.88E-03	7.68E-07	2.68E-07
3521	481863.09, 3849877.25	3.25E-03	5.12E-07	1.78E-07	3.32E-03	5.23E-07	1.82E-07	3.31E-03	5.22E-07	1.82E-07
3522	482363.09, 3849877.25	2.61E-03	4.10E-07	1.43E-07	2.66E-03	4.19E-07	1.46E-07	2.66E-03	4.18E-07	1.46E-07
3523	482863.09, 3849877.25	2.17E-03	3.42E-07	1.19E-07	2.22E-03	3.49E-07	1.22E-07	2.21E-03	3.49E-07	1.21E-07
3524	483363.09, 3849877.25	1.81E-03	2.85E-07	9.92E-08	1.84E-03	2.91E-07	1.01E-07	1.84E-03	2.90E-07	1.01E-07
3525	483863.09, 3849877.25	1.71E-03	2.69E-07	9.36E-08	1.74E-03	2.74E-07	9.55E-08	1.74E-03	2.74E-07	9.54E-08
3526	484363.09, 3849877.25	2.11E-03	3.32E-07	1.16E-07	2.15E-03	3.39E-07	1.18E-07	2.15E-03	3.39E-07	1.18E-07
3527	484863.09, 3849877.25	2.44E-03	3.84E-07	1.34E-07	2.49E-03	3.92E-07	1.37E-07	2.48E-03	3.91E-07	1.36E-07
3528	485363.09, 3849877.25	2.19E-03	3.46E-07	1.20E-07	2.24E-03	3.53E-07	1.23E-07	2.24E-03	3.52E-07	1.23E-07
3529	485863.09, 3849877.25	1.86E-03	2.94E-07	1.02E-07	1.90E-03	3.00E-07	1.04E-07	1.90E-03	2.99E-07	1.04E-07
3530	486363.09, 3849877.25	1.67E-03	2.63E-07	9.18E-08	1.71E-03	2.69E-07	9.37E-08	1.70E-03	2.69E-07	9.36E-08

3531	486863.09, 3849877.25	1.70E-03	2.67E-07	9.31E-08	1.73E-03	2.73E-07	9.50E-08	1.73E-03	2.72E-07	9.49E-08
3532	487363.09, 3849877.25	1.60E-03	2.52E-07	8.77E-08	1.63E-03	2.57E-07	8.95E-08	1.63E-03	2.57E-07	8.94E-08
3533	487863.09, 3849877.25	1.48E-03	2.33E-07	8.13E-08	1.51E-03	2.38E-07	8.29E-08	1.51E-03	2.38E-07	8.28E-08
3534	488363.09, 3849877.25	1.39E-03	2.18E-07	7.61E-08	1.41E-03	2.23E-07	7.76E-08	1.41E-03	2.23E-07	7.75E-08
3535	488863.09, 3849877.25	1.31E-03	2.06E-07	7.17E-08	1.33E-03	2.10E-07	7.32E-08	1.33E-03	2.10E-07	7.31E-08
3536	489363.09, 3849877.25	1.22E-03	1.92E-07	6.68E-08	1.24E-03	1.96E-07	6.81E-08	1.24E-03	1.95E-07	6.81E-08
3537	489863.09, 3849877.25	1.11E-03	1.75E-07	6.10E-08	1.13E-03	1.79E-07	6.22E-08	1.13E-03	1.78E-07	6.22E-08
3538	490363.09, 3849877.25	9.98E-04	1.57E-07	5.48E-08	1.02E-03	1.60E-07	5.59E-08	1.02E-03	1.60E-07	5.58E-08
3539	490863.09, 3849877.25	9.15E-04	1.44E-07	5.02E-08	9.34E-04	1.47E-07	5.12E-08	9.33E-04	1.47E-07	5.12E-08
3540	491363.09, 3849877.25	8.34E-04	1.31E-07	4.58E-08	8.51E-04	1.34E-07	4.67E-08	8.50E-04	1.34E-07	4.66E-08
3541	491863.09, 3849877.25	7.28E-04	1.15E-07	3.99E-08	7.43E-04	1.17E-07	4.08E-08	7.42E-04	1.17E-07	4.07E-08
3542	492363.09, 3849877.25	6.39E-04	1.01E-07	3.51E-08	6.52E-04	1.03E-07	3.58E-08	6.51E-04	1.03E-07	3.58E-08
3543	492863.09, 3849877.25	5.38E-04	8.48E-08	2.95E-08	5.49E-04	8.65E-08	3.01E-08	5.49E-04	8.64E-08	3.01E-08
3544	493363.09, 3849877.25	4.54E-04	7.16E-08	2.49E-08	4.64E-04	7.30E-08	2.54E-08	4.63E-04	7.30E-08	2.54E-08
3545	493863.09, 3849877.25	4.03E-04	6.35E-08	2.21E-08	4.11E-04	6.48E-08	2.26E-08	4.11E-04	6.47E-08	2.25E-08
3546	494363.09, 3849877.25	4.82E-04	7.59E-08	2.64E-08	4.92E-04	7.74E-08	2.70E-08	4.91E-04	7.74E-08	2.69E-08
3547	494863.09, 3849877.25	5.25E-04	8.27E-08	2.88E-08	5.36E-04	8.44E-08	2.94E-08	5.35E-04	8.43E-08	2.94E-08
3548	495363.09, 3849877.25	4.27E-04	6.73E-08	2.34E-08	4.36E-04	6.86E-08	2.39E-08	4.35E-04	6.86E-08	2.39E-08
3549	495863.09, 3849877.25	4.78E-04	7.53E-08	2.62E-08	4.88E-04	7.68E-08	2.68E-08	4.87E-04	7.67E-08	2.67E-08
3550	496363.09, 3849877.25	4.81E-04	7.58E-08	2.64E-08	4.91E-04	7.74E-08	2.70E-08	4.91E-04	7.73E-08	2.69E-08
3551	496863.09, 3849877.25	4.77E-04	7.52E-08	2.62E-08	4.87E-04	7.67E-08	2.67E-08	4.87E-04	7.66E-08	2.67E-08
3552	497363.09, 3849877.25	5.47E-04	8.62E-08	3.00E-08	5.59E-04	8.80E-08	3.07E-08	5.58E-04	8.79E-08	3.06E-08
3553	497863.09, 3849877.25	5.56E-04	8.75E-08	3.05E-08	5.67E-04	8.93E-08	3.11E-08	5.66E-04	8.92E-08	3.11E-08
3554	498363.09, 3849877.25	5.17E-04	8.14E-08	2.83E-08	5.27E-04	8.30E-08	2.89E-08	5.26E-04	8.29E-08	2.89E-08
3555	471363.09, 3850377.25	4.38E-04	6.89E-08	2.40E-08	4.47E-04	7.03E-08	2.45E-08	4.46E-04	7.03E-08	2.45E-08
3556	471863.09, 3850377.25	8.31E-04	1.31E-07	4.56E-08	8.48E-04	1.34E-07	4.66E-08	8.47E-04	1.33E-07	4.65E-08
3557	472363.09, 3850377.25	1.11E-03	1.75E-07	6.08E-08	1.13E-03	1.78E-07	6.21E-08	1.13E-03	1.78E-07	6.20E-08
3558	472863.09, 3850377.25	1.49E-03	2.34E-07	8.16E-08	1.52E-03	2.39E-07	8.33E-08	1.52E-03	2.39E-07	8.32E-08
3559	473363.09, 3850377.25	1.76E-03	2.77E-07	9.65E-08	1.79E-03	2.83E-07	9.84E-08	1.79E-03	2.82E-07	9.83E-08
3560	473863.09, 3850377.25	2.07E-03	3.26E-07	1.14E-07	2.11E-03	3.33E-07	1.16E-07	2.11E-03	3.32E-07	1.16E-07
3561	474363.09, 3850377.25	2.40E-03	3.79E-07	1.32E-07	2.45E-03	3.86E-07	1.35E-07	2.45E-03	3.86E-07	1.34E-07
3562	474863.09, 3850377.25	2.81E-03	4.43E-07	1.54E-07	2.87E-03	4.52E-07	1.58E-07	2.87E-03	4.52E-07	1.57E-07
3563	475363.09, 3850377.25	3.28E-03	5.17E-07	1.80E-07	3.35E-03	5.28E-07	1.84E-07	3.35E-03	5.27E-07	1.84E-07
3564	475863.09, 3850377.25	3.90E-03	6.15E-07	2.14E-07	3.98E-03	6.27E-07	2.19E-07	3.98E-03	6.26E-07	2.18E-07
3565	476363.09, 3850377.25	4.76E-03	7.50E-07	2.61E-07	4.86E-03	7.65E-07	2.66E-07	4.85E-03	7.64E-07	2.66E-07
3566	476863.09, 3850377.25	5.90E-03	9.29E-07	3.24E-07	6.02E-03	9.48E-07	3.30E-07	6.01E-03	9.47E-07	3.30E-07
3567	477363.09, 3850377.25	7.51E-03	1.18E-06	4.12E-07	7.67E-03	1.21E-06	4.21E-07	7.66E-03	1.21E-06	4.20E-07
3568	477863.09, 3850377.25	1.08E-02	1.71E-06	5.94E-07	1.11E-02	1.74E-06	6.06E-07	1.10E-02	1.74E-06	6.06E-07
3569	478363.09, 3850377.25	2.14E-02	3.36E-06	1.17E-06	2.18E-02	3.43E-06	1.20E-06	2.18E-02	3.43E-06	1.19E-06
3570	478863.09, 3850377.25	8.73E-02	1.38E-05	4.79E-06	8.91E-02	1.40E-05	4.89E-06	8.90E-02	1.40E-05	4.89E-06
3571	479363.09, 3850377.25	3.02E-02	4.75E-06	1.66E-06	3.08E-02	4.85E-06	1.69E-06	3.07E-02	4.84E-06	1.69E-06
3572	479863.09, 3850377.25	1.80E-02	2.84E-06	9.89E-07	1.84E-02	2.90E-06	1.01E-06	1.84E-02	2.89E-06	1.01E-06
3573	480363.09, 3850377.25	1.26E-02	1.98E-06	6.89E-07	1.28E-02	2.02E-06	7.03E-07	1.28E-02	2.02E-06	7.02E-07
3574	480863.09, 3850377.25	1.00E-02	1.58E-06	5.50E-07	1.02E-02	1.61E-06	5.61E-07	1.02E-02	1.61E-06	5.61E-07
3575	481363.09, 3850377.25	6.30E-03	9.93E-07	3.46E-07	6.43E-03	1.01E-06	3.53E-07	6.43E-03	1.01E-06	3.53E-07
3576	481863.09, 3850377.25	5.32E-03	8.38E-07	2.92E-07	5.43E-03	8.55E-07	2.98E-07	5.42E-03	8.54E-07	2.98E-07
3577	482363.09, 3850377.25	4.49E-03	7.08E-07	2.47E-07	4.58E-03	7.22E-07	2.52E-07	4.58E-03	7.21E-07	2.51E-07
3578	482863.09, 3850377.25	3.22E-03	5.08E-07	1.77E-07	3.29E-03	5.18E-07	1.81E-07	3.29E-03	5.18E-07	1.80E-07
3579	483363.09, 3850377.25	2.55E-03	4.01E-07	1.40E-07	2.60E-03	4.09E-07	1.43E-07	2.60E-03	4.09E-07	1.42E-07
3580	483863.09, 3850377.25	2.56E-03	4.03E-07	1.40E-07	2.61E-03	4.11E-07	1.43E-07	2.61E-03	4.10E-07	1.43E-07
3581	484363.09, 3850377.25	2.74E-03	4.31E-07	1.50E-07	2.79E-03	4.40E-07	1.53E-07	2.79E-03	4.39E-07	1.53E-07
3582	484863.09, 3850377.25	2.86E-03	4.51E-07	1.57E-07	2.92E-03	4.60E-07	1.60E-07	2.92E-03	4.59E-07	1.60E-07
3583	485363.09, 3850377.25	2.65E-03	4.17E-07	1.45E-07	2.70E-03	4.26E-07	1.48E-07	2.70E-03	4.25E-07	1.48E-07
3584	485863.09, 3850377.25	2.33E-03	3.67E-07	1.28E-07	2.38E-03	3.75E-07	1.31E-07	2.38E-03	3.74E-07	1.30E-07
3585	486363.09, 3850377.25	2.17E-03	3.41E-07	1.19E-07	2.21E-03	3.48E-07	1.21E-07	2.21E-03	3.48E-07	1.21E-07
3586	486863.09, 3850377.25	2.02E-03	3.19E-07	1.11E-07	2.06E-03	3.25E-07	1.13E-07	2.06E-03	3.25E-07	1.13E-07
3587	487363.09, 3850377.25	1.83E-03	2.88E-07	1.00E-07	1.87E-03	2.94E-07	1.03E-07	1.87E-03	2.94E-07	1.02E-07
3588	487863.09, 3850377.25	1.71E-03	2.69E-07	9.37E-08	1.74E-03	2.75E-07	9.57E-08	1.74E-03	2.74E-07	9.56E-08
3589	488363.09, 3850377.25	1.58E-03	2.49E-07	8.66E-08	1.61E-03	2.54E-07	8.84E-08	1.61E-03	2.53E-07	8.83E-08
3590	488863.09, 3850377.25	1.47E-03	2.31E-07	8.04E-08	1.50E-03	2.36E-07	8.21E-08	1.49E-03	2.35E-07	8.20E-08
3591	489363.09, 3850377.25	1.35E-03	2.13E-07	7.42E-08	1.38E-03	2.17E-07	7.57E-08	1.38E-03	2.17E-07	7.56E-08
3592	489863.09, 3850377.25	1.22E-03	1.92E-07	6.68E-08	1.24E-03	1.96E-07	6.82E-08	1.24E-03	1.96E-07	6.81E-08

3593	490363.09, 3850377.25	1.10E-03	1.74E-07	6.05E-08	1.13E-03	1.77E-07	6.18E-08	1.12E-03	1.77E-07	6.17E-08
3594	490863.09, 3850377.25	1.01E-03	1.58E-07	5.52E-08	1.03E-03	1.62E-07	5.63E-08	1.03E-03	1.62E-07	5.63E-08
3595	491363.09, 3850377.25	9.12E-04	1.44E-07	5.00E-08	9.30E-04	1.47E-07	5.11E-08	9.29E-04	1.46E-07	5.10E-08
3596	491863.09, 3850377.25	7.92E-04	1.25E-07	4.35E-08	8.08E-04	1.27E-07	4.44E-08	8.07E-04	1.27E-07	4.43E-08
3597	492363.09, 3850377.25	6.75E-04	1.06E-07	3.71E-08	6.89E-04	1.09E-07	3.78E-08	6.88E-04	1.08E-07	3.78E-08
3598	492863.09, 3850377.25	5.98E-04	9.42E-08	3.28E-08	6.10E-04	9.61E-08	3.35E-08	6.09E-04	9.60E-08	3.34E-08
3599	493363.09, 3850377.25	5.11E-04	8.05E-08	2.81E-08	5.22E-04	8.22E-08	2.86E-08	5.21E-04	8.21E-08	2.86E-08
3600	493863.09, 3850377.25	5.29E-04	8.33E-08	2.90E-08	5.39E-04	8.50E-08	2.96E-08	5.39E-04	8.49E-08	2.96E-08
3601	494363.09, 3850377.25	5.33E-04	8.40E-08	2.93E-08	5.44E-04	8.57E-08	2.99E-08	5.44E-04	8.56E-08	2.98E-08
3602	494863.09, 3850377.25	5.66E-04	8.92E-08	3.11E-08	5.78E-04	9.10E-08	3.17E-08	5.77E-04	9.09E-08	3.17E-08
3603	495363.09, 3850377.25	6.08E-04	9.57E-08	3.33E-08	6.20E-04	9.77E-08	3.40E-08	6.19E-04	9.76E-08	3.40E-08
3604	495863.09, 3850377.25	5.46E-04	8.60E-08	3.00E-08	5.57E-04	8.77E-08	3.06E-08	5.56E-04	8.76E-08	3.05E-08
3605	496363.09, 3850377.25	5.83E-04	9.18E-08	3.20E-08	5.94E-04	9.36E-08	3.26E-08	5.94E-04	9.35E-08	3.26E-08
3606	496863.09, 3850377.25	6.08E-04	9.59E-08	3.34E-08	6.21E-04	9.78E-08	3.41E-08	6.20E-04	9.77E-08	3.40E-08
3607	497363.09, 3850377.25	6.02E-04	9.48E-08	3.30E-08	6.14E-04	9.68E-08	3.37E-08	6.14E-04	9.67E-08	3.37E-08
3608	497863.09, 3850377.25	5.72E-04	9.01E-08	3.14E-08	5.84E-04	9.19E-08	3.20E-08	5.83E-04	9.18E-08	3.20E-08
3609	498363.09, 3850377.25	5.43E-04	8.55E-08	2.98E-08	5.54E-04	8.73E-08	3.04E-08	5.53E-04	8.71E-08	3.04E-08
3610	471363.09, 3850877.25	5.37E-04	8.45E-08	2.94E-08	5.48E-04	8.63E-08	3.01E-08	5.47E-04	8.62E-08	3.00E-08
3611	471863.09, 3850877.25	7.13E-04	1.12E-07	3.92E-08	7.28E-04	1.15E-07	4.00E-08	7.27E-04	1.15E-07	3.99E-08
3612	472363.09, 3850877.25	9.85E-04	1.55E-07	5.40E-08	1.00E-03	1.58E-07	5.52E-08	1.00E-03	1.58E-07	5.51E-08
3613	472863.09, 3850877.25	1.25E-03	1.97E-07	6.86E-08	1.28E-03	2.01E-07	7.00E-08	1.27E-03	2.01E-07	6.99E-08
3614	473363.09, 3850877.25	1.34E-03	2.12E-07	7.37E-08	1.37E-03	2.16E-07	7.52E-08	1.37E-03	2.16E-07	7.51E-08
3615	473863.09, 3850877.25	1.67E-03	2.63E-07	9.17E-08	1.71E-03	2.69E-07	9.36E-08	1.70E-03	2.68E-07	9.35E-08
3616	474363.09, 3850877.25	1.96E-03	3.08E-07	1.07E-07	2.00E-03	3.15E-07	1.10E-07	1.99E-03	3.14E-07	1.09E-07
3617	474863.09, 3850877.25	2.22E-03	3.50E-07	1.22E-07	2.27E-03	3.57E-07	1.24E-07	2.26E-03	3.57E-07	1.24E-07
3618	475363.09, 3850877.25	2.52E-03	3.97E-07	1.38E-07	2.57E-03	4.06E-07	1.41E-07	2.57E-03	4.05E-07	1.41E-07
3619	475863.09, 3850877.25	2.87E-03	4.53E-07	1.58E-07	2.93E-03	4.62E-07	1.61E-07	2.93E-03	4.61E-07	1.61E-07
3620	476363.09, 3850877.25	3.33E-03	5.25E-07	1.83E-07	3.40E-03	5.36E-07	1.87E-07	3.40E-03	5.35E-07	1.86E-07
3621	476863.09, 3850877.25	3.93E-03	6.19E-07	2.15E-07	4.01E-03	6.31E-07	2.20E-07	4.00E-03	6.30E-07	2.20E-07
3622	477363.09, 3850877.25	4.68E-03	7.38E-07	2.57E-07	4.78E-03	7.53E-07	2.62E-07	4.77E-03	7.52E-07	2.62E-07
3623	477863.09, 3850877.25	5.67E-03	8.94E-07	3.11E-07	5.79E-03	9.12E-07	3.18E-07	5.78E-03	9.11E-07	3.17E-07
3624	478363.09, 3850877.25	7.36E-03	1.16E-06	4.04E-07	7.51E-03	1.18E-06	4.12E-07	7.50E-03	1.18E-06	4.12E-07
3625	478863.09, 3850877.25	1.04E-02	1.63E-06	5.69E-07	1.06E-02	1.67E-06	5.81E-07	1.06E-02	1.67E-06	5.80E-07
3626	479363.09, 3850877.25	1.88E-02	2.97E-06	1.03E-06	1.92E-02	3.03E-06	1.06E-06	1.92E-02	3.03E-06	1.05E-06
3627	479863.09, 3850877.25	1.09E-01	1.71E-05	5.97E-06	1.11E-01	1.75E-05	6.09E-06	1.11E-01	1.75E-05	6.08E-06
3628	480363.09, 3850877.25	3.14E-02	4.94E-06	1.72E-06	3.20E-02	5.04E-06	1.76E-06	3.20E-02	5.04E-06	1.76E-06
3629	480863.09, 3850877.25	1.85E-02	2.91E-06	1.02E-06	1.89E-02	2.97E-06	1.04E-06	1.89E-02	2.97E-06	1.03E-06
3630	481363.09, 3850877.25	1.27E-02	2.00E-06	6.98E-07	1.30E-02	2.05E-06	7.13E-07	1.30E-02	2.04E-06	7.12E-07
3631	481863.09, 3850877.25	8.97E-03	1.41E-06	4.92E-07	9.15E-03	1.44E-06	5.02E-07	9.14E-03	1.44E-06	5.02E-07
3632	482363.09, 3850877.25	6.25E-03	9.84E-07	3.43E-07	6.38E-03	1.00E-06	3.50E-07	6.37E-03	1.00E-06	3.50E-07
3633	482863.09, 3850877.25	4.87E-03	7.67E-07	2.67E-07	4.97E-03	7.83E-07	2.73E-07	4.96E-03	7.82E-07	2.72E-07
3634	483363.09, 3850877.25	3.75E-03	5.91E-07	2.06E-07	3.83E-03	6.03E-07	2.10E-07	3.82E-03	6.03E-07	2.10E-07
3635	483863.09, 3850877.25	3.39E-03	5.35E-07	1.86E-07	3.46E-03	5.45E-07	1.90E-07	3.46E-03	5.45E-07	1.90E-07
3636	484363.09, 3850877.25	3.47E-03	5.47E-07	1.90E-07	3.54E-03	5.58E-07	1.94E-07	3.54E-03	5.57E-07	1.94E-07
3637	484863.09, 3850877.25	3.22E-03	5.08E-07	1.77E-07	3.29E-03	5.18E-07	1.81E-07	3.29E-03	5.18E-07	1.80E-07
3638	485363.09, 3850877.25	3.05E-03	4.80E-07	1.67E-07	3.11E-03	4.90E-07	1.71E-07	3.11E-03	4.90E-07	1.71E-07
3639	485863.09, 3850877.25	2.62E-03	4.13E-07	1.44E-07	2.67E-03	4.21E-07	1.47E-07	2.67E-03	4.21E-07	1.47E-07
3640	486363.09, 3850877.25	2.50E-03	3.94E-07	1.37E-07	2.55E-03	4.02E-07	1.40E-07	2.55E-03	4.02E-07	1.40E-07
3641	486863.09, 3850877.25	2.30E-03	3.62E-07	1.26E-07	2.34E-03	3.69E-07	1.29E-07	2.34E-03	3.69E-07	1.28E-07
3642	487363.09, 3850877.25	2.06E-03	3.24E-07	1.13E-07	2.10E-03	3.31E-07	1.15E-07	2.10E-03	3.30E-07	1.15E-07
3643	487863.09, 3850877.25	1.89E-03	2.98E-07	1.04E-07	1.93E-03	3.04E-07	1.06E-07	1.93E-03	3.04E-07	1.06E-07
3644	488363.09, 3850877.25	1.75E-03	2.75E-07	9.59E-08	1.78E-03	2.81E-07	9.79E-08	1.78E-03	2.81E-07	9.78E-08
3645	488863.09, 3850877.25	1.60E-03	2.52E-07	8.78E-08	1.63E-03	2.57E-07	8.96E-08	1.63E-03	2.57E-07	8.95E-08
3646	489363.09, 3850877.25	1.47E-03	2.31E-07	8.06E-08	1.50E-03	2.36E-07	8.23E-08	1.50E-03	2.36E-07	8.22E-08
3647	489863.09, 3850877.25	1.33E-03	2.10E-07	7.31E-08	1.36E-03	2.14E-07	7.46E-08	1.36E-03	2.14E-07	7.45E-08
3648	490363.09, 3850877.25	1.22E-03	1.92E-07	6.70E-08	1.25E-03	1.96E-07	6.84E-08	1.24E-03	1.96E-07	6.83E-08
3649	490863.09, 3850877.25	1.11E-03	1.75E-07	6.10E-08	1.13E-03	1.79E-07	6.22E-08	1.13E-03	1.78E-07	6.22E-08
3650	491363.09, 3850877.25	9.88E-04	1.56E-07	5.42E-08	1.01E-03	1.59E-07	5.53E-08	1.01E-03	1.59E-07	5.53E-08
3651	491863.09, 3850877.25	8.68E-04	1.37E-07	4.77E-08	8.86E-04	1.40E-07	4.86E-08	8.85E-04	1.39E-07	4.86E-08
3652	492363.09, 3850877.25	7.64E-04	1.20E-07	4.19E-08	7.80E-04	1.23E-07	4.28E-08	7.79E-04	1.23E-07	4.27E-08
3653	492863.09, 3850877.25	6.85E-04	1.08E-07	3.76E-08	6.99E-04	1.10E-07	3.84E-08	6.99E-04	1.10E-07	3.83E-08
3654	493363.09, 3850877.25	6.36E-04	1.00E-07	3.49E-08	6.49E-04	1.02E-07	3.56E-08	6.48E-04	1.02E-07	3.56E-08

3655	493863.09, 3850877.25	6.52E-04	1.03E-07	3.58E-08	6.65E-04	1.05E-07	3.65E-08	6.64E-04	1.05E-07	3.65E-08
3656	494363.09, 3850877.25	6.33E-04	9.98E-08	3.48E-08	6.46E-04	1.02E-07	3.55E-08	6.45E-04	1.02E-07	3.54E-08
3657	494863.09, 3850877.25	6.54E-04	1.03E-07	3.59E-08	6.67E-04	1.05E-07	3.66E-08	6.66E-04	1.05E-07	3.66E-08
3658	495363.09, 3850877.25	6.75E-04	1.06E-07	3.71E-08	6.89E-04	1.09E-07	3.78E-08	6.88E-04	1.08E-07	3.78E-08
3659	495863.09, 3850877.25	6.48E-04	1.02E-07	3.55E-08	6.61E-04	1.04E-07	3.63E-08	6.60E-04	1.04E-07	3.62E-08
3660	496363.09, 3850877.25	6.42E-04	1.01E-07	3.52E-08	6.55E-04	1.03E-07	3.59E-08	6.54E-04	1.03E-07	3.59E-08
3661	496863.09, 3850877.25	6.54E-04	1.03E-07	3.59E-08	6.67E-04	1.05E-07	3.66E-08	6.66E-04	1.05E-07	3.66E-08
3662	497363.09, 3850877.25	6.26E-04	9.85E-08	3.43E-08	6.38E-04	1.01E-07	3.50E-08	6.38E-04	1.00E-07	3.50E-08
3663	497863.09, 3850877.25	5.89E-04	9.28E-08	3.23E-08	6.01E-04	9.47E-08	3.30E-08	6.00E-04	9.46E-08	3.29E-08
3664	498363.09, 3850877.25	5.54E-04	8.72E-08	3.04E-08	5.65E-04	8.90E-08	3.10E-08	5.64E-04	8.89E-08	3.10E-08
3665	471363.09, 3851377.25	5.25E-04	8.27E-08	2.88E-08	5.36E-04	8.44E-08	2.94E-08	5.35E-04	8.43E-08	2.94E-08
3666	471863.09, 3851377.25	7.67E-04	1.21E-07	4.21E-08	7.82E-04	1.23E-07	4.29E-08	7.81E-04	1.23E-07	4.29E-08
3667	472363.09, 3851377.25	8.50E-04	1.34E-07	4.66E-08	8.67E-04	1.37E-07	4.76E-08	8.66E-04	1.36E-07	4.75E-08
3668	472863.09, 3851377.25	9.47E-04	1.49E-07	5.20E-08	9.66E-04	1.52E-07	5.30E-08	9.65E-04	1.52E-07	5.30E-08
3669	473363.09, 3851377.25	8.96E-04	1.41E-07	4.92E-08	9.14E-04	1.44E-07	5.02E-08	9.13E-04	1.44E-07	5.01E-08
3670	473863.09, 3851377.25	1.07E-03	1.68E-07	5.86E-08	1.09E-03	1.72E-07	5.98E-08	1.09E-03	1.71E-07	5.97E-08
3671	474363.09, 3851377.25	1.47E-03	2.32E-07	8.09E-08	1.50E-03	2.37E-07	8.25E-08	1.50E-03	2.37E-07	8.24E-08
3672	474863.09, 3851377.25	1.79E-03	2.83E-07	9.84E-08	1.83E-03	2.88E-07	1.00E-07	1.83E-03	2.88E-07	1.00E-07
3673	475363.09, 3851377.25	2.04E-03	3.22E-07	1.12E-07	2.08E-03	3.28E-07	1.14E-07	2.08E-03	3.28E-07	1.14E-07
3674	475863.09, 3851377.25	2.29E-03	3.60E-07	1.25E-07	2.33E-03	3.68E-07	1.28E-07	2.33E-03	3.67E-07	1.28E-07
3675	476363.09, 3851377.25	2.59E-03	4.07E-07	1.42E-07	2.64E-03	4.16E-07	1.45E-07	2.64E-03	4.15E-07	1.45E-07
3676	476863.09, 3851377.25	2.96E-03	4.66E-07	1.62E-07	3.02E-03	4.75E-07	1.66E-07	3.01E-03	4.75E-07	1.65E-07
3677	477363.09, 3851377.25	3.38E-03	5.33E-07	1.86E-07	3.45E-03	5.44E-07	1.90E-07	3.45E-03	5.43E-07	1.89E-07
3678	477863.09, 3851377.25	3.94E-03	6.20E-07	2.16E-07	4.02E-03	6.33E-07	2.21E-07	4.01E-03	6.32E-07	2.20E-07
3679	478363.09, 3851377.25	4.67E-03	7.36E-07	2.57E-07	4.77E-03	7.51E-07	2.62E-07	4.76E-03	7.50E-07	2.61E-07
3680	478863.09, 3851377.25	5.68E-03	8.95E-07	3.12E-07	5.80E-03	9.13E-07	3.18E-07	5.79E-03	9.12E-07	3.18E-07
3681	479363.09, 3851377.25	7.31E-03	1.15E-06	4.01E-07	7.46E-03	1.17E-06	4.09E-07	7.45E-03	1.17E-06	4.09E-07
3682	479863.09, 3851377.25	1.02E-02	1.61E-06	5.60E-07	1.04E-02	1.64E-06	5.72E-07	1.04E-02	1.64E-06	5.71E-07
3683	480363.09, 3851377.25	1.83E-02	2.88E-06	1.00E-06	1.87E-02	2.94E-06	1.03E-06	1.87E-02	2.94E-06	1.02E-06
3684	480863.09, 3851377.25	9.06E-02	1.43E-05	4.97E-06	9.24E-02	1.46E-05	5.07E-06	9.23E-02	1.45E-05	5.07E-06
3685	481363.09, 3851377.25	2.95E-02	4.64E-06	1.62E-06	3.01E-02	4.73E-06	1.65E-06	3.00E-02	4.73E-06	1.65E-06
3686	481863.09, 3851377.25	1.51E-02	2.38E-06	8.28E-07	1.54E-02	2.43E-06	8.45E-07	1.54E-02	2.42E-06	8.44E-07
3687	482363.09, 3851377.25	9.97E-03	1.57E-06	5.47E-07	1.02E-02	1.60E-06	5.59E-07	1.02E-02	1.60E-06	5.58E-07
3688	482863.09, 3851377.25	6.66E-03	1.05E-06	3.66E-07	6.80E-03	1.07E-06	3.73E-07	6.79E-03	1.07E-06	3.73E-07
3689	483363.09, 3851377.25	4.81E-03	7.58E-07	2.64E-07	4.91E-03	7.74E-07	2.70E-07	4.91E-03	7.73E-07	2.69E-07
3690	483863.09, 3851377.25	4.02E-03	6.33E-07	2.20E-07	4.10E-03	6.46E-07	2.25E-07	4.09E-03	6.45E-07	2.25E-07
3691	484363.09, 3851377.25	4.21E-03	6.63E-07	2.31E-07	4.30E-03	6.77E-07	2.36E-07	4.29E-03	6.76E-07	2.35E-07
3692	484863.09, 3851377.25	3.26E-03	5.14E-07	1.79E-07	3.33E-03	5.25E-07	1.83E-07	3.33E-03	5.24E-07	1.83E-07
3693	485363.09, 3851377.25	3.46E-03	5.45E-07	1.90E-07	3.53E-03	5.56E-07	1.94E-07	3.53E-03	5.56E-07	1.94E-07
3694	485863.09, 3851377.25	2.92E-03	4.60E-07	1.60E-07	2.98E-03	4.69E-07	1.63E-07	2.97E-03	4.69E-07	1.63E-07
3695	486363.09, 3851377.25	2.80E-03	4.42E-07	1.54E-07	2.86E-03	4.51E-07	1.57E-07	2.86E-03	4.50E-07	1.57E-07
3696	486863.09, 3851377.25	2.51E-03	3.96E-07	1.38E-07	2.56E-03	4.04E-07	1.41E-07	2.56E-03	4.04E-07	1.41E-07
3697	487363.09, 3851377.25	2.12E-03	3.34E-07	1.16E-07	2.16E-03	3.41E-07	1.19E-07	2.16E-03	3.40E-07	1.19E-07
3698	487863.09, 3851377.25	2.04E-03	3.21E-07	1.12E-07	2.08E-03	3.28E-07	1.14E-07	2.08E-03	3.27E-07	1.14E-07
3699	488363.09, 3851377.25	1.89E-03	2.97E-07	1.04E-07	1.92E-03	3.03E-07	1.06E-07	1.92E-03	3.03E-07	1.06E-07
3700	488863.09, 3851377.25	1.72E-03	2.71E-07	9.43E-08	1.75E-03	2.76E-07	9.62E-08	1.75E-03	2.76E-07	9.61E-08
3701	489363.09, 3851377.25	1.57E-03	2.47E-07	8.60E-08	1.60E-03	2.52E-07	8.77E-08	1.60E-03	2.52E-07	8.76E-08
3702	489863.09, 3851377.25	1.42E-03	2.24E-07	7.79E-08	1.45E-03	2.28E-07	7.95E-08	1.45E-03	2.28E-07	7.94E-08
3703	490363.09, 3851377.25	1.29E-03	2.04E-07	7.10E-08	1.32E-03	2.08E-07	7.25E-08	1.32E-03	2.08E-07	7.24E-08
3704	490863.09, 3851377.25	1.17E-03	1.84E-07	6.43E-08	1.19E-03	1.88E-07	6.56E-08	1.19E-03	1.88E-07	6.55E-08
3705	491363.09, 3851377.25	1.04E-03	1.64E-07	5.70E-08	1.06E-03	1.67E-07	5.81E-08	1.06E-03	1.67E-07	5.81E-08
3706	491863.09, 3851377.25	9.28E-04	1.46E-07	5.09E-08	9.47E-04	1.49E-07	5.19E-08	9.45E-04	1.49E-07	5.19E-08
3707	492363.09, 3851377.25	8.44E-04	1.33E-07	4.63E-08	8.61E-04	1.36E-07	4.73E-08	8.60E-04	1.36E-07	4.72E-08
3708	492863.09, 3851377.25	7.56E-04	1.19E-07	4.15E-08	7.72E-04	1.22E-07	4.23E-08	7.71E-04	1.21E-07	4.23E-08
3709	493363.09, 3851377.25	6.19E-04	9.76E-08	3.40E-08	6.32E-04	9.96E-08	3.47E-08	6.31E-04	9.94E-08	3.46E-08
3710	493863.09, 3851377.25	6.34E-04	9.98E-08	3.48E-08	6.46E-04	1.02E-07	3.55E-08	6.46E-04	1.02E-07	3.54E-08
3711	494363.09, 3851377.25	7.06E-04	1.11E-07	3.88E-08	7.21E-04	1.14E-07	3.96E-08	7.20E-04	1.13E-07	3.95E-08
3712	494863.09, 3851377.25	6.86E-04	1.08E-07	3.77E-08	7.00E-04	1.10E-07	3.84E-08	6.99E-04	1.10E-07	3.84E-08
3713	495363.09, 3851377.25	7.38E-04	1.16E-07	4.05E-08	7.53E-04	1.19E-07	4.13E-08	7.52E-04	1.18E-07	4.13E-08
3714	495863.09, 3851377.25	7.28E-04	1.15E-07	3.99E-08	7.42E-04	1.17E-07	4.07E-08	7.42E-04	1.17E-07	4.07E-08
3715	496363.09, 3851377.25	7.04E-04	1.11E-07	3.86E-08	7.18E-04	1.13E-07	3.94E-08	7.17E-04	1.13E-07	3.94E-08
3716	496863.09, 3851377.25	6.73E-04	1.06E-07	3.69E-08	6.87E-04	1.08E-07	3.77E-08	6.86E-04	1.08E-07	3.76E-08

3717	497363.09, 3851377.25	6.42E-04	1.01E-07	3.52E-08	6.55E-04	1.03E-07	3.59E-08	6.54E-04	1.03E-07	3.59E-08
3718	497863.09, 3851377.25	6.05E-04	9.53E-08	3.32E-08	6.18E-04	9.73E-08	3.39E-08	6.17E-04	9.72E-08	3.39E-08
3719	498363.09, 3851377.25	5.53E-04	8.72E-08	3.04E-08	5.65E-04	8.90E-08	3.10E-08	5.64E-04	8.89E-08	3.10E-08
3720	471363.09, 3851877.25	5.32E-04	8.38E-08	2.92E-08	5.43E-04	8.55E-08	2.98E-08	5.42E-04	8.54E-08	2.98E-08
3721	471863.09, 3851877.25	5.35E-04	8.43E-08	2.94E-08	5.46E-04	8.61E-08	3.00E-08	5.46E-04	8.60E-08	2.99E-08
3722	472363.09, 3851877.25	6.75E-04	1.06E-07	3.70E-08	6.89E-04	1.08E-07	3.78E-08	6.88E-04	1.08E-07	3.77E-08
3723	472863.09, 3851877.25	8.16E-04	1.29E-07	4.48E-08	8.33E-04	1.31E-07	4.57E-08	8.32E-04	1.31E-07	4.57E-08
3724	473363.09, 3851877.25	7.85E-04	1.24E-07	4.31E-08	8.01E-04	1.26E-07	4.40E-08	8.00E-04	1.26E-07	4.39E-08
3725	473863.09, 3851877.25	8.52E-04	1.34E-07	4.68E-08	8.70E-04	1.37E-07	4.77E-08	8.69E-04	1.37E-07	4.77E-08
3726	474363.09, 3851877.25	1.12E-03	1.76E-07	6.13E-08	1.14E-03	1.79E-07	6.25E-08	1.14E-03	1.79E-07	6.24E-08
3727	474863.09, 3851877.25	1.40E-03	2.20E-07	7.68E-08	1.43E-03	2.25E-07	7.83E-08	1.43E-03	2.25E-07	7.82E-08
3728	475363.09, 3851877.25	1.62E-03	2.55E-07	8.88E-08	1.65E-03	2.60E-07	9.06E-08	1.65E-03	2.60E-07	9.05E-08
3729	475863.09, 3851877.25	1.81E-03	2.86E-07	9.96E-08	1.85E-03	2.92E-07	1.02E-07	1.85E-03	2.91E-07	1.02E-07
3730	476363.09, 3851877.25	1.91E-03	3.01E-07	1.05E-07	1.95E-03	3.07E-07	1.07E-07	1.95E-03	3.07E-07	1.07E-07
3731	476863.09, 3851877.25	2.22E-03	3.49E-07	1.22E-07	2.26E-03	3.56E-07	1.24E-07	2.26E-03	3.56E-07	1.24E-07
3732	477363.09, 3851877.25	2.55E-03	4.02E-07	1.40E-07	2.61E-03	4.11E-07	1.43E-07	2.60E-03	4.10E-07	1.43E-07
3733	477863.09, 3851877.25	2.91E-03	4.59E-07	1.60E-07	2.97E-03	4.68E-07	1.63E-07	2.97E-03	4.67E-07	1.63E-07
3734	478363.09, 3851877.25	3.27E-03	5.14E-07	1.79E-07	3.33E-03	5.25E-07	1.83E-07	3.33E-03	5.24E-07	1.83E-07
3735	478863.09, 3851877.25	3.90E-03	6.15E-07	2.14E-07	3.98E-03	6.28E-07	2.19E-07	3.98E-03	6.27E-07	2.18E-07
3736	479363.09, 3851877.25	4.69E-03	7.39E-07	2.58E-07	4.79E-03	7.54E-07	2.63E-07	4.78E-03	7.53E-07	2.62E-07
3737	479863.09, 3851877.25	5.67E-03	8.94E-07	3.11E-07	5.79E-03	9.12E-07	3.18E-07	5.78E-03	9.11E-07	3.17E-07
3738	480363.09, 3851877.25	7.39E-03	1.16E-06	4.06E-07	7.54E-03	1.19E-06	4.14E-07	7.53E-03	1.19E-06	4.13E-07
3739	480863.09, 3851877.25	1.08E-02	1.69E-06	5.90E-07	1.10E-02	1.73E-06	6.02E-07	1.10E-02	1.73E-06	6.02E-07
3740	481363.09, 3851877.25	2.61E-02	4.11E-06	1.43E-06	2.66E-02	4.19E-06	1.46E-06	2.66E-02	4.19E-06	1.46E-06
3741	481863.09, 3851877.25	2.88E-02	4.54E-06	1.58E-06	2.94E-02	4.63E-06	1.61E-06	2.94E-02	4.63E-06	1.61E-06
3742	482363.09, 3851877.25	1.13E-02	1.79E-06	6.22E-07	1.16E-02	1.82E-06	6.35E-07	1.16E-02	1.82E-06	6.34E-07
3743	482863.09, 3851877.25	6.89E-03	1.08E-06	3.78E-07	7.03E-03	1.11E-06	3.86E-07	7.02E-03	1.11E-06	3.85E-07
3744	483363.09, 3851877.25	6.06E-03	9.54E-07	3.32E-07	6.18E-03	9.74E-07	3.39E-07	6.17E-03	9.72E-07	3.39E-07
3745	483863.09, 3851877.25	5.05E-03	7.96E-07	2.77E-07	5.16E-03	8.12E-07	2.83E-07	5.15E-03	8.11E-07	2.83E-07
3746	484363.09, 3851877.25	4.79E-03	7.54E-07	2.63E-07	4.88E-03	7.70E-07	2.68E-07	4.88E-03	7.69E-07	2.68E-07
3747	484863.09, 3851877.25	4.08E-03	6.43E-07	2.24E-07	4.17E-03	6.56E-07	2.29E-07	4.16E-03	6.55E-07	2.28E-07
3748	485363.09, 3851877.25	3.74E-03	5.89E-07	2.05E-07	3.82E-03	6.01E-07	2.09E-07	3.81E-03	6.00E-07	2.09E-07
3749	485863.09, 3851877.25	3.40E-03	5.36E-07	1.87E-07	3.47E-03	5.47E-07	1.91E-07	3.47E-03	5.47E-07	1.90E-07
3750	486363.09, 3851877.25	2.91E-03	4.59E-07	1.60E-07	2.97E-03	4.68E-07	1.63E-07	2.97E-03	4.68E-07	1.63E-07
3751	486863.09, 3851877.25	2.63E-03	4.14E-07	1.44E-07	2.68E-03	4.22E-07	1.47E-07	2.68E-03	4.22E-07	1.47E-07
3752	487363.09, 3851877.25	2.36E-03	3.72E-07	1.30E-07	2.41E-03	3.80E-07	1.32E-07	2.41E-03	3.80E-07	1.32E-07
3753	487863.09, 3851877.25	1.99E-03	3.14E-07	1.09E-07	2.04E-03	3.21E-07	1.12E-07	2.03E-03	3.20E-07	1.12E-07
3754	488363.09, 3851877.25	1.82E-03	2.87E-07	1.00E-07	1.86E-03	2.93E-07	1.02E-07	1.86E-03	2.93E-07	1.02E-07
3755	488863.09, 3851877.25	1.60E-03	2.52E-07	8.78E-08	1.63E-03	2.57E-07	8.96E-08	1.63E-03	2.57E-07	8.95E-08
3756	489363.09, 3851877.25	1.42E-03	2.23E-07	7.78E-08	1.45E-03	2.28E-07	7.94E-08	1.44E-03	2.28E-07	7.93E-08
3757	489863.09, 3851877.25	1.28E-03	2.02E-07	7.03E-08	1.31E-03	2.06E-07	7.18E-08	1.31E-03	2.06E-07	7.17E-08
3758	490363.09, 3851877.25	1.19E-03	1.87E-07	6.53E-08	1.21E-03	1.91E-07	6.67E-08	1.21E-03	1.91E-07	6.66E-08
3759	490863.09, 3851877.25	1.12E-03	1.76E-07	6.13E-08	1.14E-03	1.80E-07	6.26E-08	1.14E-03	1.79E-07	6.25E-08
3760	491363.09, 3851877.25	1.06E-03	1.67E-07	5.82E-08	1.08E-03	1.70E-07	5.93E-08	1.08E-03	1.70E-07	5.93E-08
3761	491863.09, 3851877.25	9.95E-04	1.57E-07	5.46E-08	1.02E-03	1.60E-07	5.57E-08	1.01E-03	1.60E-07	5.57E-08
3762	492363.09, 3851877.25	8.96E-04	1.41E-07	4.92E-08	9.14E-04	1.44E-07	5.02E-08	9.13E-04	1.44E-07	5.01E-08
3763	492863.09, 3851877.25	7.15E-04	1.13E-07	3.92E-08	7.29E-04	1.15E-07	4.00E-08	7.29E-04	1.15E-07	4.00E-08
3764	493363.09, 3851877.25	7.94E-04	1.25E-07	4.36E-08	8.11E-04	1.28E-07	4.45E-08	8.10E-04	1.28E-07	4.44E-08
3765	493863.09, 3851877.25	8.62E-04	1.36E-07	4.73E-08	8.79E-04	1.39E-07	4.83E-08	8.78E-04	1.38E-07	4.82E-08
3766	494363.09, 3851877.25	7.88E-04	1.24E-07	4.32E-08	8.04E-04	1.27E-07	4.41E-08	8.03E-04	1.27E-07	4.41E-08
3767	494863.09, 3851877.25	8.06E-04	1.27E-07	4.42E-08	8.23E-04	1.30E-07	4.51E-08	8.22E-04	1.29E-07	4.51E-08
3768	495363.09, 3851877.25	7.96E-04	1.25E-07	4.37E-08	8.12E-04	1.28E-07	4.46E-08	8.11E-04	1.28E-07	4.45E-08
3769	495863.09, 3851877.25	7.76E-04	1.22E-07	4.26E-08	7.91E-04	1.25E-07	4.34E-08	7.90E-04	1.25E-07	4.34E-08
3770	496363.09, 3851877.25	7.33E-04	1.15E-07	4.02E-08	7.48E-04	1.18E-07	4.10E-08	7.47E-04	1.18E-07	4.10E-08
3771	496863.09, 3851877.25	6.90E-04	1.09E-07	3.78E-08	7.04E-04	1.11E-07	3.86E-08	7.03E-04	1.11E-07	3.86E-08
3772	497363.09, 3851877.25	6.46E-04	1.02E-07	3.55E-08	6.60E-04	1.04E-07	3.62E-08	6.59E-04	1.04E-07	3.62E-08
3773	497863.09, 3851877.25	5.87E-04	9.25E-08	3.22E-08	5.99E-04	9.44E-08	3.29E-08	5.98E-04	9.42E-08	3.28E-08
3774	498363.09, 3851877.25	5.34E-04	8.42E-08	2.93E-08	5.45E-04	8.59E-08	2.99E-08	5.44E-04	8.58E-08	2.99E-08
3775	471363.09, 3852377.25	4.11E-04	6.48E-08	2.26E-08	4.19E-04	6.61E-08	2.30E-08	4.19E-04	6.60E-08	2.30E-08
3776	471863.09, 3852377.25	5.12E-04	8.06E-08	2.81E-08	5.22E-04	8.23E-08	2.87E-08	5.22E-04	8.22E-08	2.86E-08
3777	472363.09, 3852377.25	5.91E-04	9.30E-08	3.24E-08	6.03E-04	9.49E-08	3.31E-08	6.02E-04	9.48E-08	3.30E-08
3778	472863.09, 3852377.25	6.72E-04	1.06E-07	3.69E-08	6.86E-04	1.08E-07	3.76E-08	6.85E-04	1.08E-07	3.76E-08

3779	473363.09, 3852377.25	7.33E-04	1.15E-07	4.02E-08	7.48E-04	1.18E-07	4.10E-08	7.47E-04	1.18E-07	4.10E-08
3780	473863.09, 3852377.25	7.75E-04	1.22E-07	4.25E-08	7.90E-04	1.25E-07	4.34E-08	7.90E-04	1.24E-07	4.33E-08
3781	474363.09, 3852377.25	8.24E-04	1.30E-07	4.52E-08	8.41E-04	1.33E-07	4.62E-08	8.40E-04	1.32E-07	4.61E-08
3782	474863.09, 3852377.25	1.16E-03	1.83E-07	6.36E-08	1.18E-03	1.86E-07	6.49E-08	1.18E-03	1.86E-07	6.49E-08
3783	475363.09, 3852377.25	1.25E-03	1.97E-07	6.85E-08	1.27E-03	2.01E-07	6.99E-08	1.27E-03	2.01E-07	6.99E-08
3784	475863.09, 3852377.25	1.33E-03	2.09E-07	7.29E-08	1.36E-03	2.14E-07	7.44E-08	1.35E-03	2.13E-07	7.43E-08
3785	476363.09, 3852377.25	1.36E-03	2.14E-07	7.46E-08	1.39E-03	2.19E-07	7.61E-08	1.39E-03	2.18E-07	7.60E-08
3786	476863.09, 3852377.25	1.52E-03	2.40E-07	8.36E-08	1.55E-03	2.45E-07	8.53E-08	1.55E-03	2.45E-07	8.52E-08
3787	477363.09, 3852377.25	1.62E-03	2.56E-07	8.91E-08	1.66E-03	2.61E-07	9.09E-08	1.66E-03	2.61E-07	9.08E-08
3788	477863.09, 3852377.25	1.38E-03	2.17E-07	7.56E-08	1.41E-03	2.21E-07	7.71E-08	1.40E-03	2.21E-07	7.70E-08
3789	478363.09, 3852377.25	1.24E-03	1.96E-07	6.83E-08	1.27E-03	2.00E-07	6.97E-08	1.27E-03	2.00E-07	6.96E-08
3790	478863.09, 3852377.25	1.87E-03	2.94E-07	1.02E-07	1.90E-03	3.00E-07	1.04E-07	1.90E-03	3.00E-07	1.04E-07
3791	479363.09, 3852377.25	2.40E-03	3.79E-07	1.32E-07	2.45E-03	3.86E-07	1.35E-07	2.45E-03	3.86E-07	1.34E-07
3792	479863.09, 3852377.25	3.67E-03	5.78E-07	2.02E-07	3.75E-03	5.90E-07	2.06E-07	3.74E-03	5.90E-07	2.05E-07
3793	480363.09, 3852377.25	4.76E-03	7.50E-07	2.61E-07	4.86E-03	7.66E-07	2.67E-07	4.85E-03	7.65E-07	2.66E-07
3794	480863.09, 3852377.25	6.15E-03	9.69E-07	3.38E-07	6.28E-03	9.89E-07	3.44E-07	6.27E-03	9.87E-07	3.44E-07
3795	481363.09, 3852377.25	9.26E-03	1.46E-06	5.08E-07	9.45E-03	1.49E-06	5.19E-07	9.44E-03	1.49E-06	5.18E-07
3796	481863.09, 3852377.25	2.62E-02	4.12E-06	1.44E-06	2.67E-02	4.21E-06	1.47E-06	2.67E-02	4.20E-06	1.46E-06
3797	482363.09, 3852377.25	2.60E-02	4.09E-06	1.42E-06	2.65E-02	4.17E-06	1.45E-06	2.65E-02	4.17E-06	1.45E-06
3798	482863.09, 3852377.25	1.23E-02	1.93E-06	6.73E-07	1.25E-02	1.97E-06	6.87E-07	1.25E-02	1.97E-06	6.86E-07
3799	483363.09, 3852377.25	7.20E-03	1.13E-06	3.95E-07	7.35E-03	1.16E-06	4.03E-07	7.34E-03	1.16E-06	4.03E-07
3800	483863.09, 3852377.25	5.44E-03	8.58E-07	2.99E-07	5.56E-03	8.75E-07	3.05E-07	5.55E-03	8.74E-07	3.05E-07
3801	484363.09, 3852377.25	5.16E-03	8.12E-07	2.83E-07	5.26E-03	8.29E-07	2.89E-07	5.26E-03	8.28E-07	2.88E-07
3802	484863.09, 3852377.25	4.68E-03	7.37E-07	2.57E-07	4.78E-03	7.52E-07	2.62E-07	4.77E-03	7.51E-07	2.62E-07
3803	485363.09, 3852377.25	4.21E-03	6.63E-07	2.31E-07	4.30E-03	6.77E-07	2.36E-07	4.29E-03	6.76E-07	2.36E-07
3804	485863.09, 3852377.25	3.55E-03	5.59E-07	1.95E-07	3.62E-03	5.70E-07	1.99E-07	3.61E-03	5.69E-07	1.98E-07
3805	486363.09, 3852377.25	2.90E-03	4.58E-07	1.59E-07	2.96E-03	4.67E-07	1.63E-07	2.96E-03	4.66E-07	1.62E-07
3806	486863.09, 3852377.25	2.54E-03	4.00E-07	1.39E-07	2.59E-03	4.08E-07	1.42E-07	2.59E-03	4.08E-07	1.42E-07
3807	487363.09, 3852377.25	2.18E-03	3.44E-07	1.20E-07	2.23E-03	3.51E-07	1.22E-07	2.22E-03	3.50E-07	1.22E-07
3808	487863.09, 3852377.25	1.88E-03	2.96E-07	1.03E-07	1.92E-03	3.02E-07	1.05E-07	1.92E-03	3.02E-07	1.05E-07
3809	488363.09, 3852377.25	1.63E-03	2.56E-07	8.92E-08	1.66E-03	2.61E-07	9.10E-08	1.66E-03	2.61E-07	9.09E-08
3810	488863.09, 3852377.25	1.39E-03	2.19E-07	7.64E-08	1.42E-03	2.24E-07	7.79E-08	1.42E-03	2.23E-07	7.78E-08
3811	489363.09, 3852377.25	1.22E-03	1.93E-07	6.71E-08	1.25E-03	1.96E-07	6.85E-08	1.25E-03	1.96E-07	6.84E-08
3812	489863.09, 3852377.25	1.04E-03	1.64E-07	5.70E-08	1.06E-03	1.67E-07	5.82E-08	1.06E-03	1.67E-07	5.81E-08
3813	490363.09, 3852377.25	1.05E-03	1.65E-07	5.74E-08	1.07E-03	1.68E-07	5.86E-08	1.07E-03	1.68E-07	5.85E-08
3814	490863.09, 3852377.25	1.03E-03	1.62E-07	5.66E-08	1.05E-03	1.66E-07	5.77E-08	1.05E-03	1.66E-07	5.77E-08
3815	491363.09, 3852377.25	1.10E-03	1.73E-07	6.02E-08	1.12E-03	1.76E-07	6.14E-08	1.12E-03	1.76E-07	6.13E-08
3816	491863.09, 3852377.25	1.04E-03	1.64E-07	5.71E-08	1.06E-03	1.67E-07	5.83E-08	1.06E-03	1.67E-07	5.82E-08
3817	492363.09, 3852377.25	9.83E-04	1.55E-07	5.39E-08	1.00E-03	1.58E-07	5.51E-08	1.00E-03	1.58E-07	5.50E-08
3818	492863.09, 3852377.25	9.67E-04	1.52E-07	5.31E-08	9.87E-04	1.55E-07	5.41E-08	9.85E-04	1.55E-07	5.41E-08
3819	493363.09, 3852377.25	9.81E-04	1.55E-07	5.39E-08	1.00E-03	1.58E-07	5.50E-08	1.00E-03	1.58E-07	5.49E-08
3820	493863.09, 3852377.25	9.20E-04	1.45E-07	5.05E-08	9.39E-04	1.48E-07	5.15E-08	9.38E-04	1.48E-07	5.15E-08
3821	494363.09, 3852377.25	8.65E-04	1.36E-07	4.75E-08	8.82E-04	1.39E-07	4.84E-08	8.81E-04	1.39E-07	4.84E-08
3822	494863.09, 3852377.25	8.55E-04	1.35E-07	4.69E-08	8.72E-04	1.37E-07	4.79E-08	8.71E-04	1.37E-07	4.78E-08
3823	495363.09, 3852377.25	8.44E-04	1.33E-07	4.63E-08	8.61E-04	1.36E-07	4.73E-08	8.60E-04	1.36E-07	4.72E-08
3824	495863.09, 3852377.25	7.88E-04	1.24E-07	4.32E-08	8.04E-04	1.27E-07	4.41E-08	8.03E-04	1.27E-07	4.41E-08
3825	496363.09, 3852377.25	7.33E-04	1.15E-07	4.02E-08	7.48E-04	1.18E-07	4.11E-08	7.47E-04	1.18E-07	4.10E-08
3826	496863.09, 3852377.25	6.91E-04	1.09E-07	3.79E-08	7.05E-04	1.11E-07	3.87E-08	7.05E-04	1.11E-07	3.87E-08
3827	497363.09, 3852377.25	6.20E-04	9.77E-08	3.40E-08	6.33E-04	9.97E-08	3.47E-08	6.32E-04	9.95E-08	3.47E-08
3828	497863.09, 3852377.25	5.50E-04	8.66E-08	3.02E-08	5.61E-04	8.83E-08	3.08E-08	5.60E-04	8.82E-08	3.07E-08
3829	498363.09, 3852377.25	4.86E-04	7.66E-08	2.67E-08	4.96E-04	7.82E-08	2.72E-08	4.96E-04	7.81E-08	2.72E-08
3830	471363.09, 3852877.25	4.14E-04	6.53E-08	2.27E-08	4.23E-04	6.66E-08	2.32E-08	4.22E-04	6.65E-08	2.32E-08
3831	471863.09, 3852877.25	4.81E-04	7.58E-08	2.64E-08	4.91E-04	7.74E-08	2.69E-08	4.90E-04	7.73E-08	2.69E-08
3832	472363.09, 3852877.25	5.49E-04	8.65E-08	3.01E-08	5.60E-04	8.82E-08	3.07E-08	5.60E-04	8.81E-08	3.07E-08
3833	472863.09, 3852877.25	6.16E-04	9.70E-08	3.38E-08	6.28E-04	9.90E-08	3.45E-08	6.28E-04	9.89E-08	3.44E-08
3834	473363.09, 3852877.25	6.86E-04	1.08E-07	3.76E-08	7.00E-04	1.10E-07	3.84E-08	6.99E-04	1.10E-07	3.84E-08
3835	473863.09, 3852877.25	7.76E-04	1.22E-07	4.26E-08	7.92E-04	1.25E-07	4.35E-08	7.91E-04	1.25E-07	4.34E-08
3836	474363.09, 3852877.25	8.70E-04	1.37E-07	4.77E-08	8.88E-04	1.40E-07	4.87E-08	8.87E-04	1.40E-07	4.87E-08
3837	474863.09, 3852877.25	8.17E-04	1.29E-07	4.49E-08	8.34E-04	1.31E-07	4.58E-08	8.33E-04	1.31E-07	4.57E-08
3838	475363.09, 3852877.25	9.48E-04	1.49E-07	5.20E-08	9.68E-04	1.52E-07	5.31E-08	9.66E-04	1.52E-07	5.30E-08
3839	475863.09, 3852877.25	1.01E-03	1.59E-07	5.56E-08	1.03E-03	1.63E-07	5.67E-08	1.03E-03	1.63E-07	5.66E-08
3840	476363.09, 3852877.25	9.52E-04	1.50E-07	5.22E-08	9.71E-04	1.53E-07	5.33E-08	9.70E-04	1.53E-07	5.32E-08

3841	476863.09, 3852877.25	7.98E-04	1.26E-07	4.38E-08	8.15E-04	1.28E-07	4.47E-08	8.14E-04	1.28E-07	4.47E-08
3842	477363.09, 3852877.25	7.03E-04	1.11E-07	3.86E-08	7.17E-04	1.13E-07	3.94E-08	7.16E-04	1.13E-07	3.93E-08
3843	477863.09, 3852877.25	5.94E-04	9.35E-08	3.26E-08	6.06E-04	9.54E-08	3.33E-08	6.05E-04	9.53E-08	3.32E-08
3844	478363.09, 3852877.25	4.22E-04	6.65E-08	2.32E-08	4.31E-04	6.79E-08	2.36E-08	4.30E-04	6.78E-08	2.36E-08
3845	478863.09, 3852877.25	5.77E-04	9.09E-08	3.17E-08	5.89E-04	9.27E-08	3.23E-08	5.88E-04	9.26E-08	3.23E-08
3846	479363.09, 3852877.25	9.63E-04	1.52E-07	5.28E-08	9.83E-04	1.55E-07	5.39E-08	9.81E-04	1.55E-07	5.39E-08
3847	479863.09, 3852877.25	2.02E-03	3.18E-07	1.11E-07	2.06E-03	3.25E-07	1.13E-07	2.06E-03	3.24E-07	1.13E-07
3848	480363.09, 3852877.25	3.35E-03	5.27E-07	1.84E-07	3.41E-03	5.38E-07	1.87E-07	3.41E-03	5.37E-07	1.87E-07
3849	480863.09, 3852877.25	4.18E-03	6.58E-07	2.29E-07	4.27E-03	6.72E-07	2.34E-07	4.26E-03	6.71E-07	2.34E-07
3850	481363.09, 3852877.25	5.53E-03	8.71E-07	3.03E-07	5.64E-03	8.89E-07	3.10E-07	5.64E-03	8.88E-07	3.09E-07
3851	481863.09, 3852877.25	8.70E-03	1.37E-06	4.78E-07	8.88E-03	1.40E-06	4.87E-07	8.87E-03	1.40E-06	4.87E-07
3852	482363.09, 3852877.25	2.89E-02	4.55E-06	1.59E-06	2.95E-02	4.64E-06	1.62E-06	2.94E-02	4.64E-06	1.62E-06
3853	482863.09, 3852877.25	2.41E-02	3.79E-06	1.32E-06	2.46E-02	3.87E-06	1.35E-06	2.45E-02	3.87E-06	1.35E-06
3854	483363.09, 3852877.25	1.09E-02	1.72E-06	5.99E-07	1.11E-02	1.75E-06	6.11E-07	1.11E-02	1.75E-06	6.10E-07
3855	483863.09, 3852877.25	6.26E-03	9.86E-07	3.44E-07	6.39E-03	1.01E-06	3.51E-07	6.38E-03	1.01E-06	3.50E-07
3856	484363.09, 3852877.25	5.64E-03	8.89E-07	3.10E-07	5.76E-03	9.07E-07	3.16E-07	5.75E-03	9.06E-07	3.16E-07
3857	484863.09, 3852877.25	4.87E-03	7.67E-07	2.67E-07	4.97E-03	7.83E-07	2.73E-07	4.96E-03	7.82E-07	2.72E-07
3858	485363.09, 3852877.25	3.51E-03	5.52E-07	1.92E-07	3.58E-03	5.64E-07	1.96E-07	3.57E-03	5.63E-07	1.96E-07
3859	485863.09, 3852877.25	2.90E-03	4.57E-07	1.59E-07	2.96E-03	4.67E-07	1.63E-07	2.96E-03	4.66E-07	1.62E-07
3860	486363.09, 3852877.25	2.41E-03	3.79E-07	1.32E-07	2.46E-03	3.87E-07	1.35E-07	2.45E-03	3.87E-07	1.35E-07
3861	486863.09, 3852877.25	2.12E-03	3.35E-07	1.17E-07	2.17E-03	3.41E-07	1.19E-07	2.16E-03	3.41E-07	1.19E-07
3862	487363.09, 3852877.25	1.82E-03	2.86E-07	9.98E-08	1.86E-03	2.92E-07	1.02E-07	1.85E-03	2.92E-07	1.02E-07
3863	487863.09, 3852877.25	1.59E-03	2.51E-07	8.74E-08	1.63E-03	2.56E-07	8.92E-08	1.62E-03	2.56E-07	8.91E-08
3864	488363.09, 3852877.25	1.12E-03	1.77E-07	6.16E-08	1.15E-03	1.81E-07	6.29E-08	1.14E-03	1.80E-07	6.28E-08
3865	488863.09, 3852877.25	1.12E-03	1.76E-07	6.13E-08	1.14E-03	1.79E-07	6.25E-08	1.14E-03	1.79E-07	6.24E-08
3866	489363.09, 3852877.25	1.05E-03	1.66E-07	5.79E-08	1.08E-03	1.70E-07	5.91E-08	1.07E-03	1.69E-07	5.90E-08
3867	489863.09, 3852877.25	9.95E-04	1.57E-07	5.46E-08	1.02E-03	1.60E-07	5.57E-08	1.01E-03	1.60E-07	5.57E-08
3868	490363.09, 3852877.25	1.14E-03	1.80E-07	6.26E-08	1.16E-03	1.83E-07	6.39E-08	1.16E-03	1.83E-07	6.38E-08
3869	490863.09, 3852877.25	1.14E-03	1.80E-07	6.26E-08	1.16E-03	1.83E-07	6.39E-08	1.16E-03	1.83E-07	6.38E-08
3870	491363.09, 3852877.25	1.13E-03	1.78E-07	6.19E-08	1.15E-03	1.81E-07	6.31E-08	1.15E-03	1.81E-07	6.31E-08
3871	491863.09, 3852877.25	1.08E-03	1.70E-07	5.91E-08	1.10E-03	1.73E-07	6.03E-08	1.10E-03	1.73E-07	6.03E-08
3872	492363.09, 3852877.25	1.04E-03	1.64E-07	5.71E-08	1.06E-03	1.67E-07	5.82E-08	1.06E-03	1.67E-07	5.82E-08
3873	492863.09, 3852877.25	1.04E-03	1.63E-07	5.69E-08	1.06E-03	1.67E-07	5.80E-08	1.06E-03	1.66E-07	5.80E-08
3874	493363.09, 3852877.25	1.01E-03	1.59E-07	5.55E-08	1.03E-03	1.63E-07	5.67E-08	1.03E-03	1.62E-07	5.66E-08
3875	493863.09, 3852877.25	9.56E-04	1.51E-07	5.25E-08	9.76E-04	1.54E-07	5.35E-08	9.75E-04	1.54E-07	5.35E-08
3876	494363.09, 3852877.25	9.11E-04	1.43E-07	5.00E-08	9.29E-04	1.46E-07	5.10E-08	9.28E-04	1.46E-07	5.09E-08
3877	494863.09, 3852877.25	8.79E-04	1.39E-07	4.83E-08	8.97E-04	1.41E-07	4.92E-08	8.96E-04	1.41E-07	4.92E-08
3878	495363.09, 3852877.25	8.17E-04	1.29E-07	4.48E-08	8.33E-04	1.31E-07	4.57E-08	8.33E-04	1.31E-07	4.57E-08
3879	495863.09, 3852877.25	7.59E-04	1.20E-07	4.16E-08	7.74E-04	1.22E-07	4.25E-08	7.73E-04	1.22E-07	4.24E-08
3880	496363.09, 3852877.25	7.25E-04	1.14E-07	3.98E-08	7.40E-04	1.17E-07	4.06E-08	7.39E-04	1.16E-07	4.06E-08
3881	496863.09, 3852877.25	6.81E-04	1.07E-07	3.74E-08	6.95E-04	1.09E-07	3.81E-08	6.94E-04	1.09E-07	3.81E-08
3882	497363.09, 3852877.25	5.89E-04	9.28E-08	3.23E-08	6.01E-04	9.47E-08	3.30E-08	6.00E-04	9.46E-08	3.29E-08
3883	497863.09, 3852877.25	4.47E-04	7.04E-08	2.45E-08	4.56E-04	7.18E-08	2.50E-08	4.55E-04	7.17E-08	2.50E-08
3884	498363.09, 3852877.25	4.13E-04	6.50E-08	2.27E-08	4.21E-04	6.64E-08	2.31E-08	4.21E-04	6.63E-08	2.31E-08
3885	471363.09, 3853377.25	4.13E-04	6.51E-08	2.27E-08	4.22E-04	6.65E-08	2.32E-08	4.21E-04	6.64E-08	2.31E-08
3886	471863.09, 3853377.25	4.64E-04	7.31E-08	2.55E-08	4.73E-04	7.46E-08	2.60E-08	4.73E-04	7.45E-08	2.59E-08
3887	472363.09, 3853377.25	5.14E-04	8.09E-08	2.82E-08	5.24E-04	8.26E-08	2.88E-08	5.23E-04	8.25E-08	2.87E-08
3888	472863.09, 3853377.25	5.70E-04	8.97E-08	3.13E-08	5.81E-04	9.16E-08	3.19E-08	5.81E-04	9.15E-08	3.19E-08
3889	473363.09, 3853377.25	6.09E-04	9.59E-08	3.34E-08	6.22E-04	9.79E-08	3.41E-08	6.21E-04	9.78E-08	3.41E-08
3890	473863.09, 3853377.25	6.56E-04	1.03E-07	3.60E-08	6.69E-04	1.05E-07	3.67E-08	6.68E-04	1.05E-07	3.67E-08
3891	474363.09, 3853377.25	6.94E-04	1.09E-07	3.81E-08	7.08E-04	1.12E-07	3.89E-08	7.07E-04	1.11E-07	3.88E-08
3892	474863.09, 3853377.25	6.76E-04	1.07E-07	3.71E-08	6.90E-04	1.09E-07	3.79E-08	6.89E-04	1.09E-07	3.78E-08
3893	475363.09, 3853377.25	6.80E-04	1.07E-07	3.73E-08	6.94E-04	1.09E-07	3.81E-08	6.93E-04	1.09E-07	3.80E-08
3894	475863.09, 3853377.25	6.81E-04	1.07E-07	3.74E-08	6.95E-04	1.09E-07	3.81E-08	6.94E-04	1.09E-07	3.81E-08
3895	476363.09, 3853377.25	6.06E-04	9.55E-08	3.33E-08	6.19E-04	9.75E-08	3.40E-08	6.18E-04	9.74E-08	3.39E-08
3896	476863.09, 3853377.25	4.66E-04	7.34E-08	2.56E-08	4.75E-04	7.49E-08	2.61E-08	4.75E-04	7.48E-08	2.61E-08
3897	477363.09, 3853377.25	4.49E-04	7.07E-08	2.46E-08	4.58E-04	7.22E-08	2.51E-08	4.58E-04	7.21E-08	2.51E-08
3898	477863.09, 3853377.25	4.66E-04	7.33E-08	2.56E-08	4.75E-04	7.48E-08	2.61E-08	4.75E-04	7.48E-08	2.60E-08
3899	478363.09, 3853377.25	3.66E-04	5.77E-08	2.01E-08	3.74E-04	5.89E-08	2.05E-08	3.73E-04	5.88E-08	2.05E-08
3900	478863.09, 3853377.25	2.44E-04	3.84E-08	1.34E-08	2.49E-04	3.92E-08	1.36E-08	2.48E-04	3.91E-08	1.36E-08
3901	479363.09, 3853377.25	5.45E-04	8.58E-08	2.99E-08	5.56E-04	8.76E-08	3.05E-08	5.55E-04	8.75E-08	3.05E-08
3902	479863.09, 3853377.25	9.86E-04	1.55E-07	5.41E-08	1.01E-03	1.58E-07	5.52E-08	1.00E-03	1.58E-07	5.52E-08

3903	480363.09, 3853377.25	1.92E-03	3.02E-07	1.05E-07	1.96E-03	3.09E-07	1.08E-07	1.96E-03	3.08E-07	1.07E-07
3904	480863.09, 3853377.25	1.93E-03	3.04E-07	1.06E-07	1.97E-03	3.10E-07	1.08E-07	1.97E-03	3.10E-07	1.08E-07
3905	481363.09, 3853377.25	3.19E-03	5.02E-07	1.75E-07	3.25E-03	5.13E-07	1.79E-07	3.25E-03	5.12E-07	1.78E-07
3906	481863.09, 3853377.25	4.84E-03	7.63E-07	2.66E-07	4.94E-03	7.79E-07	2.71E-07	4.94E-03	7.78E-07	2.71E-07
3907	482363.09, 3853377.25	7.97E-03	1.25E-06	4.37E-07	8.13E-03	1.28E-06	4.46E-07	8.12E-03	1.28E-06	4.46E-07
3908	482863.09, 3853377.25	5.63E-02	8.87E-06	3.09E-06	5.74E-02	9.05E-06	3.15E-06	5.74E-02	9.04E-06	3.15E-06
3909	483363.09, 3853377.25	1.08E-02	1.70E-06	5.93E-07	1.10E-02	1.74E-06	6.05E-07	1.10E-02	1.73E-06	6.04E-07
3910	483863.09, 3853377.25	6.37E-03	1.00E-06	3.50E-07	6.50E-03	1.02E-06	3.57E-07	6.49E-03	1.02E-06	3.56E-07
3911	484363.09, 3853377.25	5.10E-03	8.03E-07	2.80E-07	5.20E-03	8.19E-07	2.85E-07	5.19E-03	8.18E-07	2.85E-07
3912	484863.09, 3853377.25	3.73E-03	5.87E-07	2.05E-07	3.80E-03	5.99E-07	2.09E-07	3.80E-03	5.99E-07	2.09E-07
3913	485363.09, 3853377.25	2.59E-03	4.07E-07	1.42E-07	2.64E-03	4.16E-07	1.45E-07	2.63E-03	4.15E-07	1.45E-07
3914	485863.09, 3853377.25	1.92E-03	3.02E-07	1.05E-07	1.96E-03	3.08E-07	1.07E-07	1.95E-03	3.08E-07	1.07E-07
3915	486363.09, 3853377.25	1.80E-03	2.84E-07	9.89E-08	1.84E-03	2.90E-07	1.01E-07	1.84E-03	2.89E-07	1.01E-07
3916	486863.09, 3853377.25	1.66E-03	2.62E-07	9.13E-08	1.70E-03	2.67E-07	9.32E-08	1.70E-03	2.67E-07	9.31E-08
3917	487363.09, 3853377.25	1.61E-03	2.53E-07	8.81E-08	1.64E-03	2.58E-07	8.99E-08	1.64E-03	2.58E-07	8.98E-08
3918	487863.09, 3853377.25	1.52E-03	2.40E-07	8.36E-08	1.55E-03	2.45E-07	8.53E-08	1.55E-03	2.45E-07	8.52E-08
3919	488363.09, 3853377.25	1.47E-03	2.32E-07	8.09E-08	1.50E-03	2.37E-07	8.25E-08	1.50E-03	2.37E-07	8.24E-08
3920	488863.09, 3853377.25	1.38E-03	2.18E-07	7.59E-08	1.41E-03	2.22E-07	7.74E-08	1.41E-03	2.22E-07	7.74E-08
3921	489363.09, 3853377.25	1.30E-03	2.04E-07	7.11E-08	1.32E-03	2.08E-07	7.26E-08	1.32E-03	2.08E-07	7.25E-08
3922	489863.09, 3853377.25	1.19E-03	1.88E-07	6.55E-08	1.22E-03	1.92E-07	6.68E-08	1.22E-03	1.92E-07	6.67E-08
3923	490363.09, 3853377.25	1.17E-03	1.85E-07	6.44E-08	1.20E-03	1.89E-07	6.58E-08	1.20E-03	1.89E-07	6.57E-08
3924	490863.09, 3853377.25	1.14E-03	1.80E-07	6.28E-08	1.17E-03	1.84E-07	6.41E-08	1.17E-03	1.84E-07	6.40E-08
3925	491363.09, 3853377.25	1.11E-03	1.75E-07	6.10E-08	1.13E-03	1.79E-07	6.22E-08	1.13E-03	1.78E-07	6.22E-08
3926	491863.09, 3853377.25	1.08E-03	1.69E-07	5.90E-08	1.10E-03	1.73E-07	6.02E-08	1.10E-03	1.73E-07	6.01E-08
3927	492363.09, 3853377.25	1.06E-03	1.67E-07	5.82E-08	1.08E-03	1.71E-07	5.94E-08	1.08E-03	1.70E-07	5.94E-08
3928	492863.09, 3853377.25	1.05E-03	1.65E-07	5.74E-08	1.07E-03	1.68E-07	5.85E-08	1.07E-03	1.68E-07	5.85E-08
3929	493363.09, 3853377.25	1.01E-03	1.58E-07	5.52E-08	1.03E-03	1.62E-07	5.63E-08	1.02E-03	1.61E-07	5.62E-08
3930	493863.09, 3853377.25	9.64E-04	1.52E-07	5.29E-08	9.83E-04	1.55E-07	5.40E-08	9.82E-04	1.55E-07	5.39E-08
3931	494363.09, 3853377.25	9.06E-04	1.43E-07	4.97E-08	9.25E-04	1.46E-07	5.08E-08	9.24E-04	1.46E-07	5.07E-08
3932	494863.09, 3853377.25	8.46E-04	1.33E-07	4.64E-08	8.63E-04	1.36E-07	4.74E-08	8.62E-04	1.36E-07	4.73E-08
3933	495363.09, 3853377.25	8.05E-04	1.27E-07	4.42E-08	8.21E-04	1.29E-07	4.51E-08	8.20E-04	1.29E-07	4.50E-08
3934	495863.09, 3853377.25	7.55E-04	1.19E-07	4.14E-08	7.70E-04	1.21E-07	4.23E-08	7.69E-04	1.21E-07	4.22E-08
3935	496363.09, 3853377.25	6.96E-04	1.10E-07	3.82E-08	7.10E-04	1.12E-07	3.90E-08	7.09E-04	1.12E-07	3.89E-08
3936	496863.09, 3853377.25	6.18E-04	9.73E-08	3.39E-08	6.31E-04	9.93E-08	3.46E-08	6.30E-04	9.92E-08	3.46E-08
3937	497363.09, 3853377.25	5.21E-04	8.21E-08	2.86E-08	5.32E-04	8.37E-08	2.92E-08	5.31E-04	8.36E-08	2.91E-08
3938	497863.09, 3853377.25	3.47E-04	5.47E-08	1.91E-08	3.55E-04	5.58E-08	1.95E-08	3.54E-04	5.58E-08	1.94E-08
3939	498363.09, 3853377.25	2.69E-04	4.24E-08	1.48E-08	2.75E-04	4.32E-08	1.51E-08	2.74E-04	4.32E-08	1.50E-08
3940	471363.09, 3853877.25	4.03E-04	6.34E-08	2.21E-08	4.11E-04	6.47E-08	2.25E-08	4.10E-04	6.46E-08	2.25E-08
3941	471863.09, 3853877.25	4.51E-04	7.11E-08	2.48E-08	4.60E-04	7.25E-08	2.53E-08	4.60E-04	7.24E-08	2.52E-08
3942	472363.09, 3853877.25	4.84E-04	7.63E-08	2.66E-08	4.94E-04	7.78E-08	2.71E-08	4.93E-04	7.77E-08	2.71E-08
3943	472863.09, 3853877.25	5.28E-04	8.31E-08	2.90E-08	5.39E-04	8.48E-08	2.96E-08	5.38E-04	8.47E-08	2.95E-08
3944	473363.09, 3853877.25	5.52E-04	8.70E-08	3.03E-08	5.64E-04	8.88E-08	3.09E-08	5.63E-04	8.87E-08	3.09E-08
3945	473863.09, 3853877.25	5.78E-04	9.11E-08	3.17E-08	5.90E-04	9.30E-08	3.24E-08	5.90E-04	9.29E-08	3.24E-08
3946	474363.09, 3853877.25	6.10E-04	9.61E-08	3.35E-08	6.23E-04	9.81E-08	3.42E-08	6.22E-04	9.80E-08	3.41E-08
3947	474863.09, 3853877.25	6.29E-04	9.91E-08	3.45E-08	6.42E-04	1.01E-07	3.52E-08	6.41E-04	1.01E-07	3.52E-08
3948	475363.09, 3853877.25	5.90E-04	9.30E-08	3.24E-08	6.02E-04	9.49E-08	3.31E-08	6.02E-04	9.48E-08	3.30E-08
3949	475863.09, 3853877.25	4.73E-04	7.45E-08	2.60E-08	4.83E-04	7.60E-08	2.65E-08	4.82E-04	7.59E-08	2.65E-08
3950	476363.09, 3853877.25	3.58E-04	5.64E-08	1.96E-08	3.65E-04	5.75E-08	2.00E-08	3.65E-04	5.74E-08	2.00E-08
3951	476863.09, 3853877.25	2.35E-04	3.70E-08	1.29E-08	2.40E-04	3.78E-08	1.32E-08	2.40E-04	3.78E-08	1.32E-08
3952	477363.09, 3853877.25	2.61E-04	4.12E-08	1.43E-08	2.67E-04	4.20E-08	1.46E-08	2.66E-04	4.20E-08	1.46E-08
3953	477863.09, 3853877.25	3.22E-04	5.08E-08	1.77E-08	3.29E-04	5.18E-08	1.81E-08	3.29E-04	5.18E-08	1.80E-08
3954	478363.09, 3853877.25	3.41E-04	5.37E-08	1.87E-08	3.48E-04	5.48E-08	1.91E-08	3.47E-04	5.47E-08	1.91E-08
3955	478863.09, 3853877.25	1.94E-04	3.05E-08	1.06E-08	1.98E-04	3.11E-08	1.08E-08	1.97E-04	3.11E-08	1.08E-08
3956	479363.09, 3853877.25	3.15E-04	4.97E-08	1.73E-08	3.22E-04	5.07E-08	1.77E-08	3.21E-04	5.06E-08	1.76E-08
3957	479863.09, 3853877.25	7.25E-04	1.14E-07	3.98E-08	7.40E-04	1.17E-07	4.06E-08	7.39E-04	1.16E-07	4.05E-08
3958	480363.09, 3853877.25	1.10E-03	1.73E-07	6.04E-08	1.12E-03	1.77E-07	6.16E-08	1.12E-03	1.77E-07	6.16E-08
3959	480863.09, 3853877.25	1.81E-03	2.85E-07	9.93E-08	1.85E-03	2.91E-07	1.01E-07	1.84E-03	2.90E-07	1.01E-07
3960	481363.09, 3853877.25	2.34E-03	3.69E-07	1.29E-07	2.39E-03	3.77E-07	1.31E-07	2.39E-03	3.76E-07	1.31E-07
3961	481863.09, 3853877.25	2.95E-03	4.65E-07	1.62E-07	3.01E-03	4.75E-07	1.65E-07	3.01E-03	4.74E-07	1.65E-07
3962	482363.09, 3853877.25	3.42E-03	5.39E-07	1.88E-07	3.49E-03	5.50E-07	1.91E-07	3.48E-03	5.49E-07	1.91E-07
3963	482863.09, 3853877.25	3.59E-03	5.65E-07	1.97E-07	3.66E-03	5.77E-07	2.01E-07	3.66E-03	5.76E-07	2.01E-07
3964	483363.09, 3853877.25	3.46E-03	5.45E-07	1.90E-07	3.53E-03	5.57E-07	1.94E-07	3.53E-03	5.56E-07	1.94E-07

3965	483863.09, 3853877.25	3.28E-03	5.17E-07	1.80E-07	3.35E-03	5.28E-07	1.84E-07	3.35E-03	5.27E-07	1.84E-07
3966	484363.09, 3853877.25	2.77E-03	4.37E-07	1.52E-07	2.83E-03	4.46E-07	1.55E-07	2.83E-03	4.45E-07	1.55E-07
3967	484863.09, 3853877.25	2.26E-03	3.56E-07	1.24E-07	2.30E-03	3.63E-07	1.26E-07	2.30E-03	3.63E-07	1.26E-07
3968	485363.09, 3853877.25	1.69E-03	2.67E-07	9.30E-08	1.73E-03	2.72E-07	9.49E-08	1.73E-03	2.72E-07	9.48E-08
3969	485863.09, 3853877.25	1.72E-03	2.71E-07	9.45E-08	1.76E-03	2.77E-07	9.64E-08	1.75E-03	2.76E-07	9.63E-08
3970	486363.09, 3853877.25	1.56E-03	2.46E-07	8.57E-08	1.59E-03	2.51E-07	8.74E-08	1.59E-03	2.51E-07	8.73E-08
3971	486863.09, 3853877.25	1.42E-03	2.24E-07	7.80E-08	1.45E-03	2.29E-07	7.96E-08	1.45E-03	2.28E-07	7.95E-08
3972	487363.09, 3853877.25	1.40E-03	2.20E-07	7.68E-08	1.43E-03	2.25E-07	7.83E-08	1.43E-03	2.25E-07	7.82E-08
3973	487863.09, 3853877.25	1.44E-03	2.26E-07	7.89E-08	1.47E-03	2.31E-07	8.05E-08	1.46E-03	2.31E-07	8.04E-08
3974	488363.09, 3853877.25	1.40E-03	2.21E-07	7.68E-08	1.43E-03	2.25E-07	7.84E-08	1.43E-03	2.25E-07	7.83E-08
3975	488863.09, 3853877.25	1.39E-03	2.19E-07	7.61E-08	1.42E-03	2.23E-07	7.77E-08	1.41E-03	2.23E-07	7.76E-08
3976	489363.09, 3853877.25	1.28E-03	2.02E-07	7.03E-08	1.31E-03	2.06E-07	7.17E-08	1.30E-03	2.06E-07	7.16E-08
3977	489863.09, 3853877.25	1.24E-03	1.95E-07	6.79E-08	1.26E-03	1.99E-07	6.92E-08	1.26E-03	1.99E-07	6.92E-08
3978	490363.09, 3853877.25	1.17E-03	1.84E-07	6.42E-08	1.19E-03	1.88E-07	6.55E-08	1.19E-03	1.88E-07	6.55E-08
3979	490863.09, 3853877.25	1.13E-03	1.77E-07	6.18E-08	1.15E-03	1.81E-07	6.31E-08	1.15E-03	1.81E-07	6.30E-08
3980	491363.09, 3853877.25	1.09E-03	1.72E-07	5.98E-08	1.11E-03	1.75E-07	6.10E-08	1.11E-03	1.75E-07	6.09E-08
3981	491863.09, 3853877.25	1.05E-03	1.66E-07	5.78E-08	1.07E-03	1.69E-07	5.90E-08	1.07E-03	1.69E-07	5.89E-08
3982	492363.09, 3853877.25	1.04E-03	1.64E-07	5.71E-08	1.06E-03	1.67E-07	5.83E-08	1.06E-03	1.67E-07	5.82E-08
3983	492863.09, 3853877.25	1.01E-03	1.60E-07	5.56E-08	1.03E-03	1.63E-07	5.68E-08	1.03E-03	1.63E-07	5.67E-08
3984	493363.09, 3853877.25	9.72E-04	1.53E-07	5.34E-08	9.92E-04	1.56E-07	5.44E-08	9.91E-04	1.56E-07	5.44E-08
3985	493863.09, 3853877.25	9.25E-04	1.46E-07	5.07E-08	9.44E-04	1.49E-07	5.18E-08	9.42E-04	1.48E-07	5.17E-08
3986	494363.09, 3853877.25	8.85E-04	1.39E-07	4.86E-08	9.03E-04	1.42E-07	4.96E-08	9.02E-04	1.42E-07	4.95E-08
3987	494863.09, 3853877.25	8.36E-04	1.32E-07	4.59E-08	8.53E-04	1.34E-07	4.68E-08	8.52E-04	1.34E-07	4.68E-08
3988	495363.09, 3853877.25	7.49E-04	1.18E-07	4.11E-08	7.65E-04	1.20E-07	4.20E-08	7.64E-04	1.20E-07	4.19E-08
3989	495863.09, 3853877.25	6.76E-04	1.06E-07	3.71E-08	6.90E-04	1.09E-07	3.79E-08	6.89E-04	1.09E-07	3.78E-08
3990	496363.09, 3853877.25	6.26E-04	9.85E-08	3.43E-08	6.38E-04	1.01E-07	3.50E-08	6.38E-04	1.00E-07	3.50E-08
3991	496863.09, 3853877.25	5.40E-04	8.51E-08	2.97E-08	5.51E-04	8.69E-08	3.03E-08	5.51E-04	8.68E-08	3.02E-08
3992	497363.09, 3853877.25	4.67E-04	7.36E-08	2.56E-08	4.77E-04	7.51E-08	2.62E-08	4.76E-04	7.50E-08	2.61E-08
3993	497863.09, 3853877.25	3.70E-04	5.82E-08	2.03E-08	3.77E-04	5.94E-08	2.07E-08	3.77E-04	5.93E-08	2.07E-08
3994	498363.09, 3853877.25	3.14E-04	4.95E-08	1.73E-08	3.21E-04	5.05E-08	1.76E-08	3.20E-04	5.05E-08	1.76E-08
3995	471363.09, 3854377.25	3.90E-04	6.15E-08	2.14E-08	3.98E-04	6.27E-08	2.18E-08	3.98E-04	6.26E-08	2.18E-08
3996	471863.09, 3854377.25	4.31E-04	6.79E-08	2.37E-08	4.40E-04	6.93E-08	2.41E-08	4.39E-04	6.92E-08	2.41E-08
3997	472363.09, 3854377.25	4.65E-04	7.32E-08	2.55E-08	4.74E-04	7.47E-08	2.60E-08	4.74E-04	7.46E-08	2.60E-08
3998	472863.09, 3854377.25	4.89E-04	7.70E-08	2.68E-08	4.99E-04	7.85E-08	2.74E-08	4.98E-04	7.84E-08	2.73E-08
3999	473363.09, 3854377.25	5.20E-04	8.20E-08	2.86E-08	5.31E-04	8.37E-08	2.91E-08	5.30E-04	8.36E-08	2.91E-08
4000	473863.09, 3854377.25	5.59E-04	8.81E-08	3.07E-08	5.70E-04	8.99E-08	3.13E-08	5.70E-04	8.98E-08	3.13E-08
4001	474363.09, 3854377.25	5.91E-04	9.32E-08	3.25E-08	6.03E-04	9.51E-08	3.31E-08	6.03E-04	9.50E-08	3.31E-08
4002	474863.09, 3854377.25	5.55E-04	8.75E-08	3.05E-08	5.67E-04	8.93E-08	3.11E-08	5.66E-04	8.92E-08	3.11E-08
4003	475363.09, 3854377.25	4.56E-04	7.19E-08	2.51E-08	4.66E-04	7.34E-08	2.56E-08	4.65E-04	7.33E-08	2.55E-08
4004	475863.09, 3854377.25	2.68E-04	4.21E-08	1.47E-08	2.73E-04	4.30E-08	1.50E-08	2.73E-04	4.30E-08	1.50E-08
4005	476363.09, 3854377.25	2.17E-04	3.43E-08	1.19E-08	2.22E-04	3.50E-08	1.22E-08	2.22E-04	3.49E-08	1.22E-08
4006	476863.09, 3854377.25	1.93E-04	3.05E-08	1.06E-08	1.97E-04	3.11E-08	1.08E-08	1.97E-04	3.10E-08	1.08E-08
4007	477363.09, 3854377.25	1.79E-04	2.83E-08	9.85E-09	1.83E-04	2.88E-08	1.00E-08	1.83E-04	2.88E-08	1.00E-08
4008	477863.09, 3854377.25	1.75E-04	2.76E-08	9.62E-09	1.79E-04	2.82E-08	9.82E-09	1.79E-04	2.82E-08	9.81E-09
4009	478363.09, 3854377.25	2.18E-04	3.43E-08	1.20E-08	2.22E-04	3.50E-08	1.22E-08	2.22E-04	3.50E-08	1.22E-08
4010	478863.09, 3854377.25	2.38E-04	3.76E-08	1.31E-08	2.43E-04	3.83E-08	1.34E-08	2.43E-04	3.83E-08	1.33E-08
4011	479363.09, 3854377.25	4.42E-04	6.96E-08	2.43E-08	4.51E-04	7.11E-08	2.48E-08	4.50E-04	7.10E-08	2.47E-08
4012	479863.09, 3854377.25	5.88E-04	9.27E-08	3.23E-08	6.00E-04	9.45E-08	3.29E-08	5.99E-04	9.44E-08	3.29E-08
4013	480363.09, 3854377.25	8.19E-04	1.29E-07	4.49E-08	8.36E-04	1.32E-07	4.59E-08	8.35E-04	1.31E-07	4.58E-08
4014	480863.09, 3854377.25	1.21E-03	1.91E-07	6.65E-08	1.24E-03	1.95E-07	6.79E-08	1.24E-03	1.95E-07	6.78E-08
4015	481363.09, 3854377.25	1.61E-03	2.53E-07	8.81E-08	1.64E-03	2.58E-07	8.99E-08	1.64E-03	2.58E-07	8.98E-08
4016	481863.09, 3854377.25	2.00E-03	3.15E-07	1.10E-07	2.04E-03	3.22E-07	1.12E-07	2.04E-03	3.22E-07	1.12E-07
4017	482363.09, 3854377.25	2.07E-03	3.25E-07	1.13E-07	2.11E-03	3.32E-07	1.16E-07	2.11E-03	3.32E-07	1.16E-07
4018	482863.09, 3854377.25	2.06E-03	3.24E-07	1.13E-07	2.10E-03	3.31E-07	1.15E-07	2.10E-03	3.30E-07	1.15E-07
4019	483363.09, 3854377.25	2.02E-03	3.18E-07	1.11E-07	2.06E-03	3.24E-07	1.13E-07	2.06E-03	3.24E-07	1.13E-07
4020	483863.09, 3854377.25	1.83E-03	2.88E-07	1.00E-07	1.87E-03	2.94E-07	1.02E-07	1.86E-03	2.94E-07	1.02E-07
4021	484363.09, 3854377.25	1.55E-03	2.44E-07	8.50E-08	1.58E-03	2.49E-07	8.67E-08	1.58E-03	2.49E-07	8.66E-08
4022	484863.09, 3854377.25	1.28E-03	2.02E-07	7.05E-08	1.31E-03	2.06E-07	7.19E-08	1.31E-03	2.06E-07	7.18E-08
4023	485363.09, 3854377.25	1.47E-03	2.32E-07	8.07E-08	1.50E-03	2.37E-07	8.24E-08	1.50E-03	2.36E-07	8.23E-08
4024	485863.09, 3854377.25	1.31E-03	2.07E-07	7.19E-08	1.34E-03	2.11E-07	7.34E-08	1.34E-03	2.10E-07	7.33E-08
4025	486363.09, 3854377.25	1.37E-03	2.16E-07	7.52E-08	1.40E-03	2.20E-07	7.67E-08	1.40E-03	2.20E-07	7.66E-08
4026	486863.09, 3854377.25	1.29E-03	2.03E-07	7.07E-08	1.31E-03	2.07E-07	7.21E-08	1.31E-03	2.07E-07	7.20E-08

4027	487363.09, 3854377.25	1.27E-03	2.00E-07	6.97E-08	1.30E-03	2.04E-07	7.11E-08	1.29E-03	2.04E-07	7.11E-08
4028	487863.09, 3854377.25	1.30E-03	2.04E-07	7.11E-08	1.32E-03	2.08E-07	7.26E-08	1.32E-03	2.08E-07	7.25E-08
4029	488363.09, 3854377.25	1.29E-03	2.04E-07	7.10E-08	1.32E-03	2.08E-07	7.24E-08	1.32E-03	2.08E-07	7.23E-08
4030	488863.09, 3854377.25	1.27E-03	2.00E-07	6.96E-08	1.29E-03	2.04E-07	7.10E-08	1.29E-03	2.04E-07	7.09E-08
4031	489363.09, 3854377.25	1.23E-03	1.94E-07	6.75E-08	1.26E-03	1.98E-07	6.89E-08	1.25E-03	1.98E-07	6.88E-08
4032	489863.09, 3854377.25	1.18E-03	1.86E-07	6.49E-08	1.21E-03	1.90E-07	6.62E-08	1.21E-03	1.90E-07	6.62E-08
4033	490363.09, 3854377.25	1.13E-03	1.78E-07	6.20E-08	1.15E-03	1.82E-07	6.32E-08	1.15E-03	1.81E-07	6.32E-08
4034	490863.09, 3854377.25	9.87E-04	1.55E-07	5.42E-08	1.01E-03	1.59E-07	5.53E-08	1.01E-03	1.58E-07	5.52E-08
4035	491363.09, 3854377.25	1.01E-03	1.59E-07	5.55E-08	1.03E-03	1.63E-07	5.67E-08	1.03E-03	1.62E-07	5.66E-08
4036	491863.09, 3854377.25	1.01E-03	1.60E-07	5.57E-08	1.04E-03	1.63E-07	5.68E-08	1.03E-03	1.63E-07	5.68E-08
4037	492363.09, 3854377.25	9.94E-04	1.57E-07	5.46E-08	1.01E-03	1.60E-07	5.57E-08	1.01E-03	1.60E-07	5.56E-08
4038	492863.09, 3854377.25	9.59E-04	1.51E-07	5.26E-08	9.79E-04	1.54E-07	5.37E-08	9.78E-04	1.54E-07	5.37E-08
4039	493363.09, 3854377.25	9.17E-04	1.44E-07	5.03E-08	9.35E-04	1.47E-07	5.13E-08	9.34E-04	1.47E-07	5.13E-08
4040	493863.09, 3854377.25	8.73E-04	1.38E-07	4.79E-08	8.91E-04	1.40E-07	4.89E-08	8.90E-04	1.40E-07	4.88E-08
4041	494363.09, 3854377.25	8.33E-04	1.31E-07	4.57E-08	8.50E-04	1.34E-07	4.67E-08	8.49E-04	1.34E-07	4.66E-08
4042	494863.09, 3854377.25	7.28E-04	1.15E-07	3.99E-08	7.42E-04	1.17E-07	4.07E-08	7.42E-04	1.17E-07	4.07E-08
4043	495363.09, 3854377.25	6.10E-04	9.60E-08	3.35E-08	6.22E-04	9.80E-08	3.41E-08	6.21E-04	9.79E-08	3.41E-08
4044	495863.09, 3854377.25	5.27E-04	8.31E-08	2.89E-08	5.38E-04	8.48E-08	2.95E-08	5.38E-04	8.47E-08	2.95E-08
4045	496363.09, 3854377.25	4.88E-04	7.69E-08	2.68E-08	4.98E-04	7.85E-08	2.73E-08	4.98E-04	7.84E-08	2.73E-08
4046	496863.09, 3854377.25	4.35E-04	6.85E-08	2.39E-08	4.44E-04	6.99E-08	2.44E-08	4.43E-04	6.98E-08	2.43E-08
4047	497363.09, 3854377.25	3.48E-04	5.49E-08	1.91E-08	3.55E-04	5.60E-08	1.95E-08	3.55E-04	5.59E-08	1.95E-08
4048	497863.09, 3854377.25	3.64E-04	5.74E-08	2.00E-08	3.72E-04	5.85E-08	2.04E-08	3.71E-04	5.85E-08	2.04E-08
4049	498363.09, 3854377.25	3.19E-04	5.03E-08	1.75E-08	3.26E-04	5.13E-08	1.79E-08	3.25E-04	5.12E-08	1.79E-08
4050	471363.09, 3854877.25	3.84E-04	6.05E-08	2.11E-08	3.92E-04	6.17E-08	2.15E-08	3.91E-04	6.16E-08	2.15E-08
4051	471863.09, 3854877.25	4.13E-04	6.50E-08	2.26E-08	4.21E-04	6.63E-08	2.31E-08	4.20E-04	6.62E-08	2.31E-08
4052	472363.09, 3854877.25	4.39E-04	6.92E-08	2.41E-08	4.48E-04	7.06E-08	2.46E-08	4.48E-04	7.05E-08	2.46E-08
4053	472863.09, 3854877.25	4.48E-04	7.06E-08	2.46E-08	4.57E-04	7.20E-08	2.51E-08	4.56E-04	7.19E-08	2.51E-08
4054	473363.09, 3854877.25	4.85E-04	7.65E-08	2.66E-08	4.95E-04	7.80E-08	2.72E-08	4.95E-04	7.79E-08	2.71E-08
4055	473863.09, 3854877.25	5.20E-04	8.19E-08	2.85E-08	5.30E-04	8.36E-08	2.91E-08	5.30E-04	8.35E-08	2.91E-08
4056	474363.09, 3854877.25	5.63E-04	8.87E-08	3.09E-08	5.75E-04	9.05E-08	3.15E-08	5.74E-04	9.04E-08	3.15E-08
4057	474863.09, 3854877.25	4.64E-04	7.31E-08	2.55E-08	4.73E-04	7.46E-08	2.60E-08	4.73E-04	7.45E-08	2.59E-08
4058	475363.09, 3854877.25	3.34E-04	5.26E-08	1.83E-08	3.41E-04	5.37E-08	1.87E-08	3.40E-04	5.36E-08	1.87E-08
4059	475863.09, 3854877.25	2.16E-04	3.40E-08	1.19E-08	2.20E-04	3.47E-08	1.21E-08	2.20E-04	3.47E-08	1.21E-08
4060	476363.09, 3854877.25	1.00E-04	1.58E-08	5.50E-09	1.02E-04	1.61E-08	5.61E-09	1.02E-04	1.61E-08	5.60E-09
4061	476863.09, 3854877.25	9.16E-05	1.44E-08	5.03E-09	9.35E-05	1.47E-08	5.13E-09	9.34E-05	1.47E-08	5.13E-09
4062	477363.09, 3854877.25	1.20E-04	1.89E-08	6.60E-09	1.23E-04	1.93E-08	6.73E-09	1.23E-04	1.93E-08	6.72E-09
4063	477863.09, 3854877.25	1.48E-04	2.33E-08	8.10E-09	1.51E-04	2.37E-08	8.27E-09	1.50E-04	2.37E-08	8.26E-09
4064	478363.09, 3854877.25	2.26E-04	3.57E-08	1.24E-08	2.31E-04	3.64E-08	1.27E-08	2.31E-04	3.63E-08	1.27E-08
4065	478863.09, 3854877.25	3.57E-04	5.62E-08	1.96E-08	3.64E-04	5.74E-08	2.00E-08	3.64E-04	5.73E-08	2.00E-08
4066	479363.09, 3854877.25	5.24E-04	8.25E-08	2.88E-08	5.35E-04	8.42E-08	2.93E-08	5.34E-04	8.41E-08	2.93E-08
4067	479863.09, 3854877.25	7.13E-04	1.12E-07	3.91E-08	7.28E-04	1.15E-07	3.99E-08	7.27E-04	1.14E-07	3.99E-08
4068	480363.09, 3854877.25	8.59E-04	1.35E-07	4.71E-08	8.76E-04	1.38E-07	4.81E-08	8.75E-04	1.38E-07	4.80E-08
4069	480863.09, 3854877.25	1.12E-03	1.76E-07	6.13E-08	1.14E-03	1.80E-07	6.26E-08	1.14E-03	1.79E-07	6.25E-08
4070	481363.09, 3854877.25	1.27E-03	2.00E-07	6.96E-08	1.29E-03	2.04E-07	7.10E-08	1.29E-03	2.04E-07	7.09E-08
4071	481863.09, 3854877.25	1.20E-03	1.89E-07	6.58E-08	1.22E-03	1.93E-07	6.72E-08	1.22E-03	1.93E-07	6.71E-08
4072	482363.09, 3854877.25	1.50E-03	2.37E-07	8.26E-08	1.54E-03	2.42E-07	8.43E-08	1.53E-03	2.42E-07	8.42E-08
4073	482863.09, 3854877.25	1.49E-03	2.35E-07	8.18E-08	1.52E-03	2.40E-07	8.35E-08	1.52E-03	2.39E-07	8.34E-08
4074	483363.09, 3854877.25	1.49E-03	2.35E-07	8.20E-08	1.52E-03	2.40E-07	8.37E-08	1.52E-03	2.40E-07	8.36E-08
4075	483863.09, 3854877.25	1.46E-03	2.30E-07	8.02E-08	1.49E-03	2.35E-07	8.19E-08	1.49E-03	2.35E-07	8.18E-08
4076	484363.09, 3854877.25	1.34E-03	2.11E-07	7.35E-08	1.37E-03	2.15E-07	7.51E-08	1.37E-03	2.15E-07	7.50E-08
4077	484863.09, 3854877.25	1.30E-03	2.05E-07	7.13E-08	1.33E-03	2.09E-07	7.28E-08	1.32E-03	2.09E-07	7.27E-08
4078	485363.09, 3854877.25	1.23E-03	1.95E-07	6.78E-08	1.26E-03	1.99E-07	6.92E-08	1.26E-03	1.98E-07	6.91E-08
4079	485863.09, 3854877.25	1.20E-03	1.90E-07	6.60E-08	1.23E-03	1.93E-07	6.74E-08	1.23E-03	1.93E-07	6.73E-08
4080	486363.09, 3854877.25	1.17E-03	1.84E-07	6.42E-08	1.19E-03	1.88E-07	6.55E-08	1.19E-03	1.88E-07	6.54E-08
4081	486863.09, 3854877.25	1.16E-03	1.83E-07	6.37E-08	1.18E-03	1.87E-07	6.50E-08	1.18E-03	1.86E-07	6.49E-08
4082	487363.09, 3854877.25	1.20E-03	1.89E-07	6.59E-08	1.23E-03	1.93E-07	6.72E-08	1.22E-03	1.93E-07	6.72E-08
4083	487863.09, 3854877.25	1.20E-03	1.88E-07	6.56E-08	1.22E-03	1.92E-07	6.70E-08	1.22E-03	1.92E-07	6.69E-08
4084	488363.09, 3854877.25	1.17E-03	1.85E-07	6.43E-08	1.20E-03	1.88E-07	6.56E-08	1.19E-03	1.88E-07	6.56E-08
4085	488863.09, 3854877.25	1.16E-03	1.83E-07	6.36E-08	1.18E-03	1.86E-07	6.49E-08	1.18E-03	1.86E-07	6.48E-08
4086	489363.09, 3854877.25	1.13E-03	1.78E-07	6.21E-08	1.15E-03	1.82E-07	6.33E-08	1.15E-03	1.82E-07	6.33E-08
4087	489863.09, 3854877.25	1.07E-03	1.69E-07	5.89E-08	1.10E-03	1.73E-07	6.01E-08	1.09E-03	1.72E-07	6.00E-08
4088	490363.09, 3854877.25	9.11E-04	1.44E-07	5.00E-08	9.30E-04	1.47E-07	5.10E-08	9.29E-04	1.46E-07	5.10E-08

4089	490863.09, 3854877.25	7.15E-04	1.13E-07	3.92E-08	7.29E-04	1.15E-07	4.00E-08	7.28E-04	1.15E-07	4.00E-08
4090	491363.09, 3854877.25	7.61E-04	1.20E-07	4.18E-08	7.76E-04	1.22E-07	4.26E-08	7.75E-04	1.22E-07	4.26E-08
4091	491863.09, 3854877.25	9.46E-04	1.49E-07	5.19E-08	9.65E-04	1.52E-07	5.30E-08	9.64E-04	1.52E-07	5.29E-08
4092	492363.09, 3854877.25	9.33E-04	1.47E-07	5.12E-08	9.53E-04	1.50E-07	5.23E-08	9.51E-04	1.50E-07	5.22E-08
4093	492863.09, 3854877.25	9.00E-04	1.42E-07	4.94E-08	9.18E-04	1.45E-07	5.04E-08	9.17E-04	1.44E-07	5.03E-08
4094	493363.09, 3854877.25	8.57E-04	1.35E-07	4.70E-08	8.75E-04	1.38E-07	4.80E-08	8.74E-04	1.38E-07	4.79E-08
4095	493863.09, 3854877.25	8.20E-04	1.29E-07	4.50E-08	8.37E-04	1.32E-07	4.59E-08	8.36E-04	1.32E-07	4.59E-08
4096	494363.09, 3854877.25	6.98E-04	1.10E-07	3.83E-08	7.12E-04	1.12E-07	3.91E-08	7.11E-04	1.12E-07	3.90E-08
4097	494863.09, 3854877.25	5.52E-04	8.69E-08	3.03E-08	5.63E-04	8.87E-08	3.09E-08	5.62E-04	8.86E-08	3.09E-08
4098	495363.09, 3854877.25	4.55E-04	7.17E-08	2.50E-08	4.64E-04	7.31E-08	2.55E-08	4.64E-04	7.30E-08	2.54E-08
4099	495863.09, 3854877.25	4.03E-04	6.35E-08	2.21E-08	4.11E-04	6.48E-08	2.26E-08	4.11E-04	6.47E-08	2.25E-08
4100	496363.09, 3854877.25	3.31E-04	5.22E-08	1.82E-08	3.38E-04	5.32E-08	1.85E-08	3.38E-04	5.32E-08	1.85E-08
4101	496863.09, 3854877.25	2.91E-04	4.59E-08	1.60E-08	2.97E-04	4.68E-08	1.63E-08	2.97E-04	4.68E-08	1.63E-08
4102	497363.09, 3854877.25	2.85E-04	4.48E-08	1.56E-08	2.90E-04	4.58E-08	1.59E-08	2.90E-04	4.57E-08	1.59E-08
4103	497863.09, 3854877.25	3.20E-04	5.04E-08	1.76E-08	3.27E-04	5.14E-08	1.79E-08	3.26E-04	5.14E-08	1.79E-08
4104	498363.09, 3854877.25	3.19E-04	5.03E-08	1.75E-08	3.26E-04	5.13E-08	1.79E-08	3.25E-04	5.12E-08	1.79E-08
4105	471363.09, 3855377.25	3.81E-04	6.00E-08	2.09E-08	3.89E-04	6.12E-08	2.13E-08	3.88E-04	6.12E-08	2.13E-08
4106	471863.09, 3855377.25	3.97E-04	6.26E-08	2.18E-08	4.05E-04	6.39E-08	2.22E-08	4.05E-04	6.38E-08	2.22E-08
4107	472363.09, 3855377.25	4.28E-04	6.75E-08	2.35E-08	4.37E-04	6.89E-08	2.40E-08	4.37E-04	6.88E-08	2.40E-08
4108	472863.09, 3855377.25	4.42E-04	6.96E-08	2.43E-08	4.51E-04	7.11E-08	2.48E-08	4.50E-04	7.10E-08	2.47E-08
4109	473363.09, 3855377.25	4.79E-04	7.55E-08	2.63E-08	4.89E-04	7.70E-08	2.68E-08	4.88E-04	7.69E-08	2.68E-08
4110	473863.09, 3855377.25	5.09E-04	8.01E-08	2.79E-08	5.19E-04	8.18E-08	2.85E-08	5.18E-04	8.17E-08	2.84E-08
4111	474363.09, 3855377.25	5.32E-04	8.37E-08	2.92E-08	5.42E-04	8.55E-08	2.98E-08	5.42E-04	8.54E-08	2.97E-08
4112	474863.09, 3855377.25	4.51E-04	7.11E-08	2.48E-08	4.60E-04	7.25E-08	2.53E-08	4.60E-04	7.24E-08	2.52E-08
4113	475363.09, 3855377.25	1.74E-04	2.75E-08	9.57E-09	1.78E-04	2.80E-08	9.77E-09	1.78E-04	2.80E-08	9.76E-09
4114	475863.09, 3855377.25	1.06E-04	1.68E-08	5.84E-09	1.09E-04	1.71E-08	5.96E-09	1.08E-04	1.71E-08	5.95E-09
4115	476363.09, 3855377.25	1.32E-04	2.08E-08	7.26E-09	1.35E-04	2.13E-08	7.41E-09	1.35E-04	2.12E-08	7.40E-09
4116	476863.09, 3855377.25	1.19E-04	1.88E-08	6.55E-09	1.22E-04	1.92E-08	6.68E-09	1.22E-04	1.92E-08	6.68E-09
4117	477363.09, 3855377.25	1.33E-04	2.10E-08	7.33E-09	1.36E-04	2.15E-08	7.48E-09	1.36E-04	2.14E-08	7.47E-09
4118	477863.09, 3855377.25	1.93E-04	3.05E-08	1.06E-08	1.97E-04	3.11E-08	1.08E-08	1.97E-04	3.10E-08	1.08E-08
4119	478363.09, 3855377.25	2.69E-04	4.24E-08	1.48E-08	2.75E-04	4.32E-08	1.51E-08	2.74E-04	4.32E-08	1.50E-08
4120	478863.09, 3855377.25	3.50E-04	5.51E-08	1.92E-08	3.57E-04	5.62E-08	1.96E-08	3.56E-04	5.62E-08	1.96E-08
4121	479363.09, 3855377.25	4.60E-04	7.25E-08	2.53E-08	4.70E-04	7.40E-08	2.58E-08	4.69E-04	7.39E-08	2.57E-08
4122	479863.09, 3855377.25	5.63E-04	8.88E-08	3.09E-08	5.75E-04	9.06E-08	3.16E-08	5.74E-04	9.05E-08	3.15E-08
4123	480363.09, 3855377.25	7.53E-04	1.19E-07	4.13E-08	7.69E-04	1.21E-07	4.22E-08	7.68E-04	1.21E-07	4.21E-08
4124	480863.09, 3855377.25	9.77E-04	1.54E-07	5.36E-08	9.97E-04	1.57E-07	5.47E-08	9.96E-04	1.57E-07	5.47E-08
4125	481363.09, 3855377.25	1.14E-03	1.80E-07	6.26E-08	1.16E-03	1.83E-07	6.38E-08	1.16E-03	1.83E-07	6.38E-08
4126	481863.09, 3855377.25	1.20E-03	1.89E-07	6.57E-08	1.22E-03	1.93E-07	6.71E-08	1.22E-03	1.92E-07	6.70E-08
4127	482363.09, 3855377.25	1.19E-03	1.88E-07	6.54E-08	1.22E-03	1.92E-07	6.68E-08	1.22E-03	1.91E-07	6.67E-08
4128	482863.09, 3855377.25	1.19E-03	1.87E-07	6.50E-08	1.21E-03	1.91E-07	6.64E-08	1.21E-03	1.90E-07	6.63E-08
4129	483363.09, 3855377.25	1.19E-03	1.87E-07	6.53E-08	1.21E-03	1.91E-07	6.66E-08	1.21E-03	1.91E-07	6.65E-08
4130	483863.09, 3855377.25	1.20E-03	1.89E-07	6.57E-08	1.22E-03	1.92E-07	6.70E-08	1.22E-03	1.92E-07	6.70E-08
4131	484363.09, 3855377.25	1.19E-03	1.88E-07	6.55E-08	1.22E-03	1.92E-07	6.69E-08	1.22E-03	1.92E-07	6.68E-08
4132	484863.09, 3855377.25	1.17E-03	1.85E-07	6.44E-08	1.20E-03	1.89E-07	6.57E-08	1.20E-03	1.88E-07	6.56E-08
4133	485363.09, 3855377.25	1.16E-03	1.82E-07	6.34E-08	1.18E-03	1.86E-07	6.47E-08	1.18E-03	1.86E-07	6.46E-08
4134	485863.09, 3855377.25	1.09E-03	1.72E-07	6.00E-08	1.12E-03	1.76E-07	6.13E-08	1.12E-03	1.76E-07	6.12E-08
4135	486363.09, 3855377.25	1.05E-03	1.66E-07	5.77E-08	1.07E-03	1.69E-07	5.89E-08	1.07E-03	1.69E-07	5.88E-08
4136	486863.09, 3855377.25	1.02E-03	1.60E-07	5.58E-08	1.04E-03	1.64E-07	5.70E-08	1.04E-03	1.63E-07	5.69E-08
4137	487363.09, 3855377.25	1.06E-03	1.66E-07	5.80E-08	1.08E-03	1.70E-07	5.92E-08	1.08E-03	1.70E-07	5.91E-08
4138	487863.09, 3855377.25	1.09E-03	1.72E-07	5.98E-08	1.11E-03	1.75E-07	6.10E-08	1.11E-03	1.75E-07	6.10E-08
4139	488363.09, 3855377.25	1.10E-03	1.73E-07	6.03E-08	1.12E-03	1.77E-07	6.16E-08	1.12E-03	1.77E-07	6.15E-08
4140	488863.09, 3855377.25	1.08E-03	1.70E-07	5.93E-08	1.10E-03	1.74E-07	6.05E-08	1.10E-03	1.73E-07	6.04E-08
4141	489363.09, 3855377.25	1.04E-03	1.63E-07	5.69E-08	1.06E-03	1.67E-07	5.81E-08	1.06E-03	1.67E-07	5.80E-08
4142	489863.09, 3855377.25	9.89E-04	1.56E-07	5.43E-08	1.01E-03	1.59E-07	5.54E-08	1.01E-03	1.59E-07	5.53E-08
4143	490363.09, 3855377.25	9.72E-04	1.53E-07	5.33E-08	9.91E-04	1.56E-07	5.44E-08	9.90E-04	1.56E-07	5.43E-08
4144	490863.09, 3855377.25	7.69E-04	1.21E-07	4.22E-08	7.85E-04	1.24E-07	4.31E-08	7.84E-04	1.23E-07	4.30E-08
4145	491363.09, 3855377.25	6.94E-04	1.09E-07	3.81E-08	7.08E-04	1.12E-07	3.88E-08	7.07E-04	1.11E-07	3.88E-08
4146	491863.09, 3855377.25	8.69E-04	1.37E-07	4.77E-08	8.87E-04	1.40E-07	4.87E-08	8.86E-04	1.40E-07	4.86E-08
4147	492363.09, 3855377.25	8.60E-04	1.35E-07	4.72E-08	8.78E-04	1.38E-07	4.82E-08	8.77E-04	1.38E-07	4.81E-08
4148	492863.09, 3855377.25	8.32E-04	1.31E-07	4.57E-08	8.49E-04	1.34E-07	4.66E-08	8.48E-04	1.34E-07	4.66E-08
4149	493363.09, 3855377.25	7.79E-04	1.23E-07	4.28E-08	7.95E-04	1.25E-07	4.36E-08	7.94E-04	1.25E-07	4.36E-08
4150	493863.09, 3855377.25	6.73E-04	1.06E-07	3.70E-08	6.87E-04	1.08E-07	3.77E-08	6.86E-04	1.08E-07	3.77E-08

4151	494363.09, 3855377.25	5.45E-04	8.59E-08	2.99E-08	5.57E-04	8.77E-08	3.05E-08	5.56E-04	8.76E-08	3.05E-08
4152	494863.09, 3855377.25	4.19E-04	6.60E-08	2.30E-08	4.27E-04	6.73E-08	2.34E-08	4.27E-04	6.72E-08	2.34E-08
4153	495363.09, 3855377.25	3.33E-04	5.25E-08	1.83E-08	3.40E-04	5.36E-08	1.87E-08	3.40E-04	5.35E-08	1.86E-08
4154	495863.09, 3855377.25	2.81E-04	4.42E-08	1.54E-08	2.86E-04	4.51E-08	1.57E-08	2.86E-04	4.50E-08	1.57E-08
4155	496363.09, 3855377.25	2.77E-04	4.36E-08	1.52E-08	2.82E-04	4.45E-08	1.55E-08	2.82E-04	4.44E-08	1.55E-08
4156	496863.09, 3855377.25	2.76E-04	4.34E-08	1.51E-08	2.81E-04	4.43E-08	1.54E-08	2.81E-04	4.43E-08	1.54E-08
4157	497363.09, 3855377.25	2.87E-04	4.53E-08	1.58E-08	2.93E-04	4.62E-08	1.61E-08	2.93E-04	4.61E-08	1.61E-08
4158	497863.09, 3855377.25	3.10E-04	4.88E-08	1.70E-08	3.16E-04	4.98E-08	1.74E-08	3.16E-04	4.98E-08	1.73E-08
4159	498363.09, 3855377.25	3.39E-04	5.33E-08	1.86E-08	3.45E-04	5.44E-08	1.90E-08	3.45E-04	5.44E-08	1.89E-08
4160	471363.09, 3855877.25	3.72E-04	5.86E-08	2.04E-08	3.80E-04	5.98E-08	2.08E-08	3.79E-04	5.98E-08	2.08E-08
4161	471863.09, 3855877.25	3.89E-04	6.13E-08	2.13E-08	3.97E-04	6.25E-08	2.18E-08	3.96E-04	6.25E-08	2.18E-08
4162	472363.09, 3855877.25	4.24E-04	6.68E-08	2.33E-08	4.33E-04	6.82E-08	2.37E-08	4.32E-04	6.81E-08	2.37E-08
4163	472863.09, 3855877.25	4.30E-04	6.77E-08	2.36E-08	4.39E-04	6.91E-08	2.41E-08	4.38E-04	6.90E-08	2.40E-08
4164	473363.09, 3855877.25	4.71E-04	7.42E-08	2.58E-08	4.80E-04	7.57E-08	2.64E-08	4.80E-04	7.56E-08	2.63E-08
4165	473863.09, 3855877.25	4.99E-04	7.86E-08	2.74E-08	5.09E-04	8.02E-08	2.79E-08	5.08E-04	8.01E-08	2.79E-08
4166	474363.09, 3855877.25	5.14E-04	8.09E-08	2.82E-08	5.24E-04	8.26E-08	2.88E-08	5.23E-04	8.25E-08	2.87E-08
4167	474863.09, 3855877.25	4.11E-04	6.48E-08	2.26E-08	4.19E-04	6.61E-08	2.30E-08	4.19E-04	6.60E-08	2.30E-08
4168	475363.09, 3855877.25	2.36E-04	3.71E-08	1.29E-08	2.41E-04	3.79E-08	1.32E-08	2.40E-04	3.78E-08	1.32E-08
4169	475863.09, 3855877.25	6.84E-05	1.08E-08	3.75E-09	6.98E-05	1.10E-08	3.83E-09	6.97E-05	1.10E-08	3.82E-09
4170	476363.09, 3855877.25	7.19E-05	1.13E-08	3.95E-09	7.34E-05	1.16E-08	4.03E-09	7.33E-05	1.15E-08	4.02E-09
4171	476863.09, 3855877.25	1.29E-04	2.03E-08	7.07E-09	1.31E-04	2.07E-08	7.21E-09	1.31E-04	2.07E-08	7.20E-09
4172	477363.09, 3855877.25	1.64E-04	2.59E-08	9.01E-09	1.67E-04	2.64E-08	9.19E-09	1.67E-04	2.64E-08	9.18E-09
4173	477863.09, 3855877.25	2.10E-04	3.31E-08	1.15E-08	2.15E-04	3.38E-08	1.18E-08	2.14E-04	3.38E-08	1.18E-08
4174	478363.09, 3855877.25	2.79E-04	4.40E-08	1.53E-08	2.85E-04	4.49E-08	1.56E-08	2.85E-04	4.49E-08	1.56E-08
4175	478863.09, 3855877.25	3.70E-04	5.83E-08	2.03E-08	3.77E-04	5.94E-08	2.07E-08	3.77E-04	5.94E-08	2.07E-08
4176	479363.09, 3855877.25	4.83E-04	7.61E-08	2.65E-08	4.93E-04	7.77E-08	2.71E-08	4.93E-04	7.76E-08	2.70E-08
4177	479863.09, 3855877.25	5.78E-04	9.10E-08	3.17E-08	5.89E-04	9.28E-08	3.23E-08	5.89E-04	9.27E-08	3.23E-08
4178	480363.09, 3855877.25	7.01E-04	1.10E-07	3.85E-08	7.15E-04	1.13E-07	3.92E-08	7.14E-04	1.13E-07	3.92E-08
4179	480863.09, 3855877.25	8.31E-04	1.31E-07	4.56E-08	8.48E-04	1.34E-07	4.66E-08	8.47E-04	1.33E-07	4.65E-08
4180	481363.09, 3855877.25	8.27E-04	1.30E-07	4.54E-08	8.44E-04	1.33E-07	4.63E-08	8.43E-04	1.33E-07	4.63E-08
4181	481863.09, 3855877.25	9.80E-04	1.54E-07	5.38E-08	1.00E-03	1.57E-07	5.49E-08	9.99E-04	1.57E-07	5.48E-08
4182	482363.09, 3855877.25	9.82E-04	1.55E-07	5.39E-08	1.00E-03	1.58E-07	5.50E-08	1.00E-03	1.58E-07	5.49E-08
4183	482863.09, 3855877.25	9.89E-04	1.56E-07	5.43E-08	1.01E-03	1.59E-07	5.54E-08	1.01E-03	1.59E-07	5.53E-08
4184	483363.09, 3855877.25	1.01E-03	1.59E-07	5.53E-08	1.03E-03	1.62E-07	5.64E-08	1.03E-03	1.62E-07	5.63E-08
4185	483863.09, 3855877.25	1.01E-03	1.58E-07	5.52E-08	1.03E-03	1.62E-07	5.63E-08	1.02E-03	1.61E-07	5.62E-08
4186	484363.09, 3855877.25	1.03E-03	1.63E-07	5.67E-08	1.05E-03	1.66E-07	5.78E-08	1.05E-03	1.66E-07	5.78E-08
4187	484863.09, 3855877.25	1.03E-03	1.63E-07	5.67E-08	1.05E-03	1.66E-07	5.78E-08	1.05E-03	1.66E-07	5.78E-08
4188	485363.09, 3855877.25	1.02E-03	1.60E-07	5.58E-08	1.04E-03	1.63E-07	5.69E-08	1.04E-03	1.63E-07	5.68E-08
4189	485863.09, 3855877.25	1.02E-03	1.60E-07	5.58E-08	1.04E-03	1.64E-07	5.70E-08	1.04E-03	1.63E-07	5.69E-08
4190	486363.09, 3855877.25	9.51E-04	1.50E-07	5.22E-08	9.71E-04	1.53E-07	5.33E-08	9.69E-04	1.53E-07	5.32E-08
4191	486863.09, 3855877.25	9.22E-04	1.45E-07	5.06E-08	9.41E-04	1.48E-07	5.16E-08	9.40E-04	1.48E-07	5.16E-08
4192	487363.09, 3855877.25	9.45E-04	1.49E-07	5.18E-08	9.64E-04	1.52E-07	5.29E-08	9.63E-04	1.52E-07	5.28E-08
4193	487863.09, 3855877.25	9.60E-04	1.51E-07	5.27E-08	9.80E-04	1.54E-07	5.38E-08	9.79E-04	1.54E-07	5.37E-08
4194	488363.09, 3855877.25	9.82E-04	1.55E-07	5.39E-08	1.00E-03	1.58E-07	5.50E-08	1.00E-03	1.58E-07	5.50E-08
4195	488863.09, 3855877.25	9.96E-04	1.57E-07	5.46E-08	1.02E-03	1.60E-07	5.58E-08	1.01E-03	1.60E-07	5.57E-08
4196	489363.09, 3855877.25	9.78E-04	1.54E-07	5.37E-08	9.98E-04	1.57E-07	5.48E-08	9.97E-04	1.57E-07	5.47E-08
4197	489863.09, 3855877.25	9.47E-04	1.49E-07	5.20E-08	9.66E-04	1.52E-07	5.30E-08	9.65E-04	1.52E-07	5.30E-08
4198	490363.09, 3855877.25	9.18E-04	1.45E-07	5.04E-08	9.37E-04	1.48E-07	5.14E-08	9.36E-04	1.47E-07	5.14E-08
4199	490863.09, 3855877.25	8.70E-04	1.37E-07	4.77E-08	8.88E-04	1.40E-07	4.87E-08	8.87E-04	1.40E-07	4.87E-08
4200	491363.09, 3855877.25	7.95E-04	1.25E-07	4.36E-08	8.12E-04	1.28E-07	4.45E-08	8.11E-04	1.28E-07	4.45E-08
4201	491863.09, 3855877.25	8.29E-04	1.31E-07	4.55E-08	8.46E-04	1.33E-07	4.64E-08	8.45E-04	1.33E-07	4.64E-08
4202	492363.09, 3855877.25	7.96E-04	1.25E-07	4.37E-08	8.13E-04	1.28E-07	4.46E-08	8.12E-04	1.28E-07	4.46E-08
4203	492863.09, 3855877.25	7.69E-04	1.21E-07	4.22E-08	7.85E-04	1.24E-07	4.31E-08	7.84E-04	1.23E-07	4.30E-08
4204	493363.09, 3855877.25	6.70E-04	1.06E-07	3.68E-08	6.84E-04	1.08E-07	3.75E-08	6.83E-04	1.08E-07	3.75E-08
4205	493863.09, 3855877.25	5.39E-04	8.49E-08	2.96E-08	5.50E-04	8.66E-08	3.02E-08	5.49E-04	8.65E-08	3.01E-08
4206	494363.09, 3855877.25	4.10E-04	6.46E-08	2.25E-08	4.19E-04	6.59E-08	2.30E-08	4.18E-04	6.59E-08	2.29E-08
4207	494863.09, 3855877.25	3.24E-04	5.11E-08	1.78E-08	3.31E-04	5.22E-08	1.82E-08	3.31E-04	5.21E-08	1.81E-08
4208	495363.09, 3855877.25	2.44E-04	3.84E-08	1.34E-08	2.49E-04	3.92E-08	1.36E-08	2.48E-04	3.91E-08	1.36E-08
4209	495863.09, 3855877.25	2.47E-04	3.89E-08	1.35E-08	2.52E-04	3.96E-08	1.38E-08	2.51E-04	3.96E-08	1.38E-08
4210	496363.09, 3855877.25	2.53E-04	3.99E-08	1.39E-08	2.59E-04	4.07E-08	1.42E-08	2.58E-04	4.07E-08	1.42E-08
4211	496863.09, 3855877.25	2.73E-04	4.29E-08	1.50E-08	2.78E-04	4.38E-08	1.53E-08	2.78E-04	4.38E-08	1.52E-08
4212	497363.09, 3855877.25	2.95E-04	4.64E-08	1.62E-08	3.01E-04	4.74E-08	1.65E-08	3.00E-04	4.73E-08	1.65E-08

4213	497863.09, 3855877.25	3.23E-04	5.09E-08	1.77E-08	3.30E-04	5.20E-08	1.81E-08	3.29E-04	5.19E-08	1.81E-08
4214	498363.09, 3855877.25	3.77E-04	5.95E-08	2.07E-08	3.85E-04	6.07E-08	2.11E-08	3.85E-04	6.06E-08	2.11E-08
4215	471363.09, 3856377.25	3.58E-04	5.64E-08	1.97E-08	3.66E-04	5.76E-08	2.01E-08	3.65E-04	5.75E-08	2.00E-08
4216	471863.09, 3856377.25	3.72E-04	5.86E-08	2.04E-08	3.80E-04	5.98E-08	2.08E-08	3.79E-04	5.98E-08	2.08E-08
4217	472363.09, 3856377.25	3.96E-04	6.24E-08	2.18E-08	4.04E-04	6.37E-08	2.22E-08	4.04E-04	6.36E-08	2.22E-08
4218	472863.09, 3856377.25	4.23E-04	6.67E-08	2.32E-08	4.32E-04	6.80E-08	2.37E-08	4.31E-04	6.79E-08	2.37E-08
4219	473363.09, 3856377.25	4.46E-04	7.02E-08	2.45E-08	4.55E-04	7.16E-08	2.50E-08	4.54E-04	7.15E-08	2.49E-08
4220	473863.09, 3856377.25	4.84E-04	7.62E-08	2.65E-08	4.93E-04	7.77E-08	2.71E-08	4.93E-04	7.76E-08	2.70E-08
4221	474363.09, 3856377.25	4.74E-04	7.46E-08	2.60E-08	4.83E-04	7.61E-08	2.65E-08	4.83E-04	7.60E-08	2.65E-08
4222	474863.09, 3856377.25	4.42E-04	6.97E-08	2.43E-08	4.51E-04	7.11E-08	2.48E-08	4.51E-04	7.10E-08	2.47E-08
4223	475363.09, 3856377.25	3.52E-04	5.54E-08	1.93E-08	3.59E-04	5.66E-08	1.97E-08	3.59E-04	5.65E-08	1.97E-08
4224	475863.09, 3856377.25	2.22E-04	3.49E-08	1.22E-08	2.26E-04	3.56E-08	1.24E-08	2.26E-04	3.56E-08	1.24E-08
4225	476363.09, 3856377.25	1.98E-04	3.12E-08	1.09E-08	2.02E-04	3.19E-08	1.11E-08	2.02E-04	3.18E-08	1.11E-08
4226	476863.09, 3856377.25	1.97E-04	3.10E-08	1.08E-08	2.01E-04	3.16E-08	1.10E-08	2.01E-04	3.16E-08	1.10E-08
4227	477363.09, 3856377.25	2.05E-04	3.24E-08	1.13E-08	2.10E-04	3.30E-08	1.15E-08	2.09E-04	3.30E-08	1.15E-08
4228	477863.09, 3856377.25	1.44E-04	2.27E-08	7.89E-09	1.47E-04	2.31E-08	8.05E-09	1.47E-04	2.31E-08	8.04E-09
4229	478363.09, 3856377.25	1.15E-04	1.81E-08	6.31E-09	1.17E-04	1.85E-08	6.44E-09	1.17E-04	1.85E-08	6.43E-09
4230	478863.09, 3856377.25	2.75E-04	4.33E-08	1.51E-08	2.81E-04	4.42E-08	1.54E-08	2.80E-04	4.41E-08	1.54E-08
4231	479363.09, 3856377.25	3.56E-04	5.60E-08	1.95E-08	3.63E-04	5.72E-08	1.99E-08	3.62E-04	5.71E-08	1.99E-08
4232	479863.09, 3856377.25	5.30E-04	8.35E-08	2.91E-08	5.41E-04	8.52E-08	2.97E-08	5.40E-04	8.51E-08	2.97E-08
4233	480363.09, 3856377.25	6.80E-04	1.07E-07	3.73E-08	6.94E-04	1.09E-07	3.81E-08	6.93E-04	1.09E-07	3.80E-08
4234	480863.09, 3856377.25	7.66E-04	1.21E-07	4.20E-08	7.81E-04	1.23E-07	4.29E-08	7.81E-04	1.23E-07	4.28E-08
4235	481363.09, 3856377.25	8.22E-04	1.29E-07	4.51E-08	8.39E-04	1.32E-07	4.60E-08	8.38E-04	1.32E-07	4.60E-08
4236	481863.09, 3856377.25	8.55E-04	1.35E-07	4.69E-08	8.72E-04	1.37E-07	4.79E-08	8.71E-04	1.37E-07	4.78E-08
4237	482363.09, 3856377.25	8.48E-04	1.34E-07	4.65E-08	8.65E-04	1.36E-07	4.75E-08	8.64E-04	1.36E-07	4.74E-08
4238	482863.09, 3856377.25	8.50E-04	1.34E-07	4.67E-08	8.68E-04	1.37E-07	4.76E-08	8.67E-04	1.37E-07	4.76E-08
4239	483363.09, 3856377.25	8.68E-04	1.37E-07	4.76E-08	8.86E-04	1.40E-07	4.86E-08	8.85E-04	1.39E-07	4.86E-08
4240	483863.09, 3856377.25	8.83E-04	1.39E-07	4.84E-08	9.01E-04	1.42E-07	4.94E-08	8.99E-04	1.42E-07	4.94E-08
4241	484363.09, 3856377.25	9.04E-04	1.42E-07	4.96E-08	9.22E-04	1.45E-07	5.06E-08	9.21E-04	1.45E-07	5.06E-08
4242	484863.09, 3856377.25	9.30E-04	1.47E-07	5.10E-08	9.49E-04	1.49E-07	5.21E-08	9.48E-04	1.49E-07	5.20E-08
4243	485363.09, 3856377.25	9.36E-04	1.47E-07	5.13E-08	9.55E-04	1.50E-07	5.24E-08	9.54E-04	1.50E-07	5.23E-08
4244	485863.09, 3856377.25	9.21E-04	1.45E-07	5.06E-08	9.40E-04	1.48E-07	5.16E-08	9.39E-04	1.48E-07	5.15E-08
4245	486363.09, 3856377.25	9.04E-04	1.42E-07	4.96E-08	9.23E-04	1.45E-07	5.06E-08	9.22E-04	1.45E-07	5.06E-08
4246	486863.09, 3856377.25	8.89E-04	1.40E-07	4.88E-08	9.07E-04	1.43E-07	4.98E-08	9.06E-04	1.43E-07	4.97E-08
4247	487363.09, 3856377.25	8.88E-04	1.40E-07	4.87E-08	9.06E-04	1.43E-07	4.97E-08	9.05E-04	1.43E-07	4.97E-08
4248	487863.09, 3856377.25	8.98E-04	1.41E-07	4.93E-08	9.16E-04	1.44E-07	5.03E-08	9.15E-04	1.44E-07	5.02E-08
4249	488363.09, 3856377.25	8.94E-04	1.41E-07	4.91E-08	9.12E-04	1.44E-07	5.01E-08	9.11E-04	1.44E-07	5.00E-08
4250	488863.09, 3856377.25	9.16E-04	1.44E-07	5.03E-08	9.35E-04	1.47E-07	5.13E-08	9.34E-04	1.47E-07	5.12E-08
4251	489363.09, 3856377.25	9.20E-04	1.45E-07	5.05E-08	9.39E-04	1.48E-07	5.15E-08	9.38E-04	1.48E-07	5.15E-08
4252	489863.09, 3856377.25	9.09E-04	1.43E-07	4.99E-08	9.28E-04	1.46E-07	5.09E-08	9.27E-04	1.46E-07	5.09E-08
4253	490363.09, 3856377.25	8.86E-04	1.40E-07	4.86E-08	9.04E-04	1.42E-07	4.96E-08	9.03E-04	1.42E-07	4.96E-08
4254	490863.09, 3856377.25	8.53E-04	1.34E-07	4.68E-08	8.70E-04	1.37E-07	4.78E-08	8.69E-04	1.37E-07	4.77E-08
4255	491363.09, 3856377.25	8.24E-04	1.30E-07	4.52E-08	8.41E-04	1.32E-07	4.62E-08	8.40E-04	1.32E-07	4.61E-08
4256	491863.09, 3856377.25	7.93E-04	1.25E-07	4.35E-08	8.09E-04	1.27E-07	4.44E-08	8.08E-04	1.27E-07	4.43E-08
4257	492363.09, 3856377.25	7.53E-04	1.19E-07	4.13E-08	7.68E-04	1.21E-07	4.21E-08	7.67E-04	1.21E-07	4.21E-08
4258	492863.09, 3856377.25	6.86E-04	1.08E-07	3.76E-08	7.00E-04	1.10E-07	3.84E-08	6.99E-04	1.10E-07	3.84E-08
4259	493363.09, 3856377.25	5.27E-04	8.30E-08	2.89E-08	5.37E-04	8.46E-08	2.95E-08	5.37E-04	8.45E-08	2.95E-08
4260	493863.09, 3856377.25	4.44E-04	6.99E-08	2.44E-08	4.53E-04	7.13E-08	2.49E-08	4.52E-04	7.13E-08	2.48E-08
4261	494363.09, 3856377.25	3.43E-04	5.40E-08	1.88E-08	3.50E-04	5.51E-08	1.92E-08	3.49E-04	5.50E-08	1.92E-08
4262	494863.09, 3856377.25	2.75E-04	4.33E-08	1.51E-08	2.80E-04	4.41E-08	1.54E-08	2.80E-04	4.41E-08	1.54E-08
4263	495363.09, 3856377.25	2.40E-04	3.78E-08	1.32E-08	2.45E-04	3.86E-08	1.34E-08	2.44E-04	3.85E-08	1.34E-08
4264	495863.09, 3856377.25	2.44E-04	3.84E-08	1.34E-08	2.49E-04	3.92E-08	1.36E-08	2.48E-04	3.91E-08	1.36E-08
4265	496363.09, 3856377.25	2.59E-04	4.08E-08	1.42E-08	2.64E-04	4.16E-08	1.45E-08	2.64E-04	4.15E-08	1.45E-08
4266	496863.09, 3856377.25	2.91E-04	4.59E-08	1.60E-08	2.97E-04	4.68E-08	1.63E-08	2.97E-04	4.67E-08	1.63E-08
4267	497363.09, 3856377.25	3.23E-04	5.08E-08	1.77E-08	3.29E-04	5.19E-08	1.81E-08	3.29E-04	5.18E-08	1.80E-08
4268	497863.09, 3856377.25	3.67E-04	5.77E-08	2.01E-08	3.74E-04	5.89E-08	2.05E-08	3.74E-04	5.89E-08	2.05E-08
4269	498363.09, 3856377.25	4.21E-04	6.64E-08	2.31E-08	4.30E-04	6.77E-08	2.36E-08	4.29E-04	6.77E-08	2.36E-08
4270	471363.09, 3856877.25	3.50E-04	5.51E-08	1.92E-08	3.57E-04	5.62E-08	1.96E-08	3.56E-04	5.62E-08	1.96E-08
4271	471863.09, 3856877.25	3.59E-04	5.66E-08	1.97E-08	3.67E-04	5.78E-08	2.01E-08	3.66E-04	5.77E-08	2.01E-08
4272	472363.09, 3856877.25	3.79E-04	5.97E-08	2.08E-08	3.87E-04	6.09E-08	2.12E-08	3.86E-04	6.08E-08	2.12E-08
4273	472863.09, 3856877.25	3.97E-04	6.25E-08	2.18E-08	4.05E-04	6.38E-08	2.22E-08	4.04E-04	6.37E-08	2.22E-08
4274	473363.09, 3856877.25	4.30E-04	6.77E-08	2.36E-08	4.39E-04	6.91E-08	2.41E-08	4.38E-04	6.90E-08	2.40E-08

4275	473863.09, 3856877.25	4.49E-04	7.07E-08	2.46E-08	4.58E-04	7.21E-08	2.51E-08	4.57E-04	7.21E-08	2.51E-08
4276	474363.09, 3856877.25	4.38E-04	6.90E-08	2.40E-08	4.47E-04	7.04E-08	2.45E-08	4.46E-04	7.03E-08	2.45E-08
4277	474863.09, 3856877.25	4.10E-04	6.46E-08	2.25E-08	4.18E-04	6.59E-08	2.30E-08	4.18E-04	6.58E-08	2.29E-08
4278	475363.09, 3856877.25	3.49E-04	5.51E-08	1.92E-08	3.57E-04	5.62E-08	1.96E-08	3.56E-04	5.61E-08	1.95E-08
4279	475863.09, 3856877.25	3.41E-04	5.38E-08	1.87E-08	3.48E-04	5.49E-08	1.91E-08	3.48E-04	5.48E-08	1.91E-08
4280	476363.09, 3856877.25	2.89E-04	4.56E-08	1.59E-08	2.95E-04	4.65E-08	1.62E-08	2.95E-04	4.65E-08	1.62E-08
4281	476863.09, 3856877.25	2.71E-04	4.26E-08	1.48E-08	2.76E-04	4.35E-08	1.51E-08	2.76E-04	4.34E-08	1.51E-08
4282	477363.09, 3856877.25	2.25E-04	3.55E-08	1.24E-08	2.30E-04	3.62E-08	1.26E-08	2.29E-04	3.61E-08	1.26E-08
4283	477863.09, 3856877.25	1.29E-04	2.04E-08	7.10E-09	1.32E-04	2.08E-08	7.24E-09	1.32E-04	2.08E-08	7.24E-09
4284	478363.09, 3856877.25	1.03E-04	1.62E-08	5.64E-09	1.05E-04	1.65E-08	5.76E-09	1.05E-04	1.65E-08	5.75E-09
4285	478863.09, 3856877.25	1.37E-04	2.16E-08	7.54E-09	1.40E-04	2.21E-08	7.69E-09	1.40E-04	2.20E-08	7.68E-09
4286	479363.09, 3856877.25	1.96E-04	3.09E-08	1.08E-08	2.00E-04	3.15E-08	1.10E-08	2.00E-04	3.15E-08	1.10E-08
4287	479863.09, 3856877.25	4.62E-04	7.28E-08	2.54E-08	4.71E-04	7.43E-08	2.59E-08	4.71E-04	7.42E-08	2.58E-08
4288	480363.09, 3856877.25	6.06E-04	9.55E-08	3.33E-08	6.19E-04	9.75E-08	3.40E-08	6.18E-04	9.74E-08	3.39E-08
4289	480863.09, 3856877.25	7.05E-04	1.11E-07	3.87E-08	7.19E-04	1.13E-07	3.95E-08	7.18E-04	1.13E-07	3.94E-08
4290	481363.09, 3856877.25	7.50E-04	1.18E-07	4.12E-08	7.65E-04	1.21E-07	4.20E-08	7.64E-04	1.20E-07	4.19E-08
4291	481863.09, 3856877.25	7.75E-04	1.22E-07	4.25E-08	7.91E-04	1.25E-07	4.34E-08	7.90E-04	1.24E-07	4.34E-08
4292	482363.09, 3856877.25	7.73E-04	1.22E-07	4.24E-08	7.89E-04	1.24E-07	4.33E-08	7.88E-04	1.24E-07	4.33E-08
4293	482863.09, 3856877.25	7.70E-04	1.21E-07	4.23E-08	7.86E-04	1.24E-07	4.31E-08	7.85E-04	1.24E-07	4.31E-08
4294	483363.09, 3856877.25	7.81E-04	1.23E-07	4.29E-08	7.97E-04	1.26E-07	4.37E-08	7.96E-04	1.25E-07	4.37E-08
4295	483863.09, 3856877.25	7.91E-04	1.25E-07	4.34E-08	8.07E-04	1.27E-07	4.43E-08	8.06E-04	1.27E-07	4.42E-08
4296	484363.09, 3856877.25	8.05E-04	1.27E-07	4.42E-08	8.22E-04	1.29E-07	4.51E-08	8.21E-04	1.29E-07	4.50E-08
4297	484863.09, 3856877.25	8.42E-04	1.33E-07	4.62E-08	8.59E-04	1.35E-07	4.71E-08	8.58E-04	1.35E-07	4.71E-08
4298	485363.09, 3856877.25	8.83E-04	1.39E-07	4.85E-08	9.01E-04	1.42E-07	4.95E-08	9.00E-04	1.42E-07	4.94E-08
4299	485863.09, 3856877.25	9.00E-04	1.42E-07	4.94E-08	9.19E-04	1.45E-07	5.04E-08	9.17E-04	1.45E-07	5.04E-08
4300	486363.09, 3856877.25	8.43E-04	1.33E-07	4.63E-08	8.60E-04	1.35E-07	4.72E-08	8.59E-04	1.35E-07	4.71E-08
4301	486863.09, 3856877.25	8.81E-04	1.39E-07	4.84E-08	8.99E-04	1.42E-07	4.93E-08	8.98E-04	1.41E-07	4.93E-08
4302	487363.09, 3856877.25	9.05E-04	1.43E-07	4.97E-08	9.23E-04	1.45E-07	5.07E-08	9.22E-04	1.45E-07	5.06E-08
4303	487863.09, 3856877.25	9.18E-04	1.45E-07	5.04E-08	9.37E-04	1.48E-07	5.14E-08	9.36E-04	1.47E-07	5.14E-08
4304	488363.09, 3856877.25	9.10E-04	1.43E-07	5.00E-08	9.29E-04	1.46E-07	5.10E-08	9.28E-04	1.46E-07	5.09E-08
4305	488863.09, 3856877.25	8.97E-04	1.41E-07	4.92E-08	9.15E-04	1.44E-07	5.02E-08	9.14E-04	1.44E-07	5.02E-08
4306	489363.09, 3856877.25	8.95E-04	1.41E-07	4.91E-08	9.14E-04	1.44E-07	5.02E-08	9.13E-04	1.44E-07	5.01E-08
4307	489863.09, 3856877.25	8.89E-04	1.40E-07	4.88E-08	9.07E-04	1.43E-07	4.98E-08	9.06E-04	1.43E-07	4.97E-08
4308	490363.09, 3856877.25	8.69E-04	1.37E-07	4.77E-08	8.87E-04	1.40E-07	4.87E-08	8.86E-04	1.40E-07	4.86E-08
4309	490863.09, 3856877.25	8.56E-04	1.35E-07	4.70E-08	8.74E-04	1.38E-07	4.80E-08	8.73E-04	1.37E-07	4.79E-08
4310	491363.09, 3856877.25	8.30E-04	1.31E-07	4.56E-08	8.47E-04	1.33E-07	4.65E-08	8.46E-04	1.33E-07	4.64E-08
4311	491863.09, 3856877.25	8.02E-04	1.26E-07	4.40E-08	8.19E-04	1.29E-07	4.49E-08	8.18E-04	1.29E-07	4.49E-08
4312	492363.09, 3856877.25	7.11E-04	1.12E-07	3.90E-08	7.26E-04	1.14E-07	3.98E-08	7.25E-04	1.14E-07	3.98E-08
4313	492863.09, 3856877.25	6.31E-04	9.95E-08	3.47E-08	6.44E-04	1.02E-07	3.54E-08	6.44E-04	1.01E-07	3.53E-08
4314	493363.09, 3856877.25	5.29E-04	8.33E-08	2.90E-08	5.39E-04	8.50E-08	2.96E-08	5.39E-04	8.49E-08	2.96E-08
4315	493863.09, 3856877.25	4.06E-04	6.40E-08	2.23E-08	4.15E-04	6.53E-08	2.28E-08	4.14E-04	6.52E-08	2.27E-08
4316	494363.09, 3856877.25	3.17E-04	5.00E-08	1.74E-08	3.24E-04	5.10E-08	1.78E-08	3.23E-04	5.10E-08	1.78E-08
4317	494863.09, 3856877.25	2.89E-04	4.55E-08	1.59E-08	2.95E-04	4.65E-08	1.62E-08	2.95E-04	4.64E-08	1.62E-08
4318	495363.09, 3856877.25	2.80E-04	4.41E-08	1.54E-08	2.86E-04	4.50E-08	1.57E-08	2.85E-04	4.49E-08	1.57E-08
4319	495863.09, 3856877.25	2.91E-04	4.58E-08	1.60E-08	2.97E-04	4.68E-08	1.63E-08	2.96E-04	4.67E-08	1.63E-08
4320	496363.09, 3856877.25	3.05E-04	4.80E-08	1.67E-08	3.11E-04	4.90E-08	1.71E-08	3.11E-04	4.90E-08	1.71E-08
4321	496863.09, 3856877.25	3.29E-04	5.18E-08	1.80E-08	3.36E-04	5.29E-08	1.84E-08	3.35E-04	5.28E-08	1.84E-08
4322	497363.09, 3856877.25	3.64E-04	5.73E-08	2.00E-08	3.71E-04	5.85E-08	2.04E-08	3.71E-04	5.84E-08	2.04E-08
4323	497863.09, 3856877.25	4.26E-04	6.71E-08	2.34E-08	4.35E-04	6.85E-08	2.39E-08	4.34E-04	6.84E-08	2.38E-08
4324	498363.09, 3856877.25	4.99E-04	7.86E-08	2.74E-08	5.09E-04	8.02E-08	2.80E-08	5.09E-04	8.01E-08	2.79E-08
4325	471363.09, 3857377.25	3.42E-04	5.38E-08	1.88E-08	3.49E-04	5.49E-08	1.91E-08	3.48E-04	5.49E-08	1.91E-08
4326	471863.09, 3857377.25	3.49E-04	5.51E-08	1.92E-08	3.57E-04	5.62E-08	1.96E-08	3.56E-04	5.61E-08	1.95E-08
4327	472363.09, 3857377.25	3.63E-04	5.72E-08	1.99E-08	3.70E-04	5.84E-08	2.03E-08	3.70E-04	5.83E-08	2.03E-08
4328	472863.09, 3857377.25	3.80E-04	5.98E-08	2.08E-08	3.87E-04	6.10E-08	2.13E-08	3.87E-04	6.09E-08	2.12E-08
4329	473363.09, 3857377.25	4.02E-04	6.33E-08	2.20E-08	4.10E-04	6.46E-08	2.25E-08	4.09E-04	6.45E-08	2.25E-08
4330	473863.09, 3857377.25	4.29E-04	6.75E-08	2.35E-08	4.37E-04	6.89E-08	2.40E-08	4.37E-04	6.88E-08	2.40E-08
4331	474363.09, 3857377.25	4.08E-04	6.43E-08	2.24E-08	4.17E-04	6.57E-08	2.29E-08	4.16E-04	6.56E-08	2.28E-08
4332	474863.09, 3857377.25	3.25E-04	5.12E-08	1.78E-08	3.31E-04	5.22E-08	1.82E-08	3.31E-04	5.21E-08	1.82E-08
4333	475363.09, 3857377.25	2.17E-04	3.42E-08	1.19E-08	2.21E-04	3.49E-08	1.21E-08	2.21E-04	3.48E-08	1.21E-08
4334	475863.09, 3857377.25	1.92E-04	3.03E-08	1.06E-08	1.96E-04	3.09E-08	1.08E-08	1.96E-04	3.09E-08	1.08E-08
4335	476363.09, 3857377.25	2.55E-04	4.02E-08	1.40E-08	2.60E-04	4.10E-08	1.43E-08	2.60E-04	4.09E-08	1.43E-08
4336	476863.09, 3857377.25	2.66E-04	4.19E-08	1.46E-08	2.71E-04	4.27E-08	1.49E-08	2.71E-04	4.27E-08	1.49E-08

4337	477363.09, 3857377.25	2.23E-04	3.52E-08	1.23E-08	2.28E-04	3.59E-08	1.25E-08	2.28E-04	3.59E-08	1.25E-08
4338	477863.09, 3857377.25	1.51E-04	2.38E-08	8.28E-09	1.54E-04	2.43E-08	8.45E-09	1.54E-04	2.42E-08	8.44E-09
4339	478363.09, 3857377.25	9.96E-05	1.57E-08	5.47E-09	1.02E-04	1.60E-08	5.58E-09	1.02E-04	1.60E-08	5.57E-09
4340	478863.09, 3857377.25	7.75E-05	1.22E-08	4.25E-09	7.91E-05	1.25E-08	4.34E-09	7.90E-05	1.24E-08	4.33E-09
4341	479363.09, 3857377.25	1.41E-04	2.22E-08	7.75E-09	1.44E-04	2.27E-08	7.90E-09	1.44E-04	2.27E-08	7.90E-09
4342	479863.09, 3857377.25	3.84E-04	6.04E-08	2.11E-08	3.91E-04	6.17E-08	2.15E-08	3.91E-04	6.16E-08	2.15E-08
4343	480363.09, 3857377.25	3.14E-04	4.95E-08	1.73E-08	3.21E-04	5.05E-08	1.76E-08	3.20E-04	5.05E-08	1.76E-08
4344	480863.09, 3857377.25	6.44E-04	1.01E-07	3.54E-08	6.57E-04	1.04E-07	3.61E-08	6.57E-04	1.03E-07	3.60E-08
4345	481363.09, 3857377.25	6.44E-04	1.01E-07	3.53E-08	6.57E-04	1.03E-07	3.61E-08	6.56E-04	1.03E-07	3.60E-08
4346	481863.09, 3857377.25	6.82E-04	1.08E-07	3.75E-08	6.96E-04	1.10E-07	3.82E-08	6.96E-04	1.10E-07	3.82E-08
4347	482363.09, 3857377.25	7.15E-04	1.13E-07	3.92E-08	7.29E-04	1.15E-07	4.00E-08	7.29E-04	1.15E-07	4.00E-08
4348	482863.09, 3857377.25	7.23E-04	1.14E-07	3.97E-08	7.38E-04	1.16E-07	4.05E-08	7.37E-04	1.16E-07	4.04E-08
4349	483363.09, 3857377.25	7.38E-04	1.16E-07	4.05E-08	7.53E-04	1.19E-07	4.13E-08	7.52E-04	1.19E-07	4.13E-08
4350	483863.09, 3857377.25	7.55E-04	1.19E-07	4.14E-08	7.70E-04	1.21E-07	4.23E-08	7.69E-04	1.21E-07	4.22E-08
4351	484363.09, 3857377.25	7.61E-04	1.20E-07	4.18E-08	7.77E-04	1.22E-07	4.26E-08	7.76E-04	1.22E-07	4.26E-08
4352	484863.09, 3857377.25	7.79E-04	1.23E-07	4.28E-08	7.95E-04	1.25E-07	4.36E-08	7.94E-04	1.25E-07	4.36E-08
4353	485363.09, 3857377.25	8.12E-04	1.28E-07	4.46E-08	8.29E-04	1.31E-07	4.55E-08	8.28E-04	1.30E-07	4.54E-08
4354	485863.09, 3857377.25	8.63E-04	1.36E-07	4.74E-08	8.80E-04	1.39E-07	4.83E-08	8.79E-04	1.39E-07	4.83E-08
4355	486363.09, 3857377.25	9.18E-04	1.45E-07	5.04E-08	9.37E-04	1.48E-07	5.14E-08	9.36E-04	1.47E-07	5.14E-08
4356	486863.09, 3857377.25	8.86E-04	1.40E-07	4.86E-08	9.04E-04	1.42E-07	4.96E-08	9.03E-04	1.42E-07	4.96E-08
4357	487363.09, 3857377.25	9.46E-04	1.49E-07	5.19E-08	9.65E-04	1.52E-07	5.30E-08	9.64E-04	1.52E-07	5.29E-08
4358	487863.09, 3857377.25	1.01E-03	1.59E-07	5.54E-08	1.03E-03	1.62E-07	5.65E-08	1.03E-03	1.62E-07	5.65E-08
4359	488363.09, 3857377.25	1.03E-03	1.62E-07	5.63E-08	1.05E-03	1.65E-07	5.75E-08	1.05E-03	1.65E-07	5.74E-08
4360	488863.09, 3857377.25	1.02E-03	1.61E-07	5.62E-08	1.04E-03	1.65E-07	5.73E-08	1.04E-03	1.64E-07	5.72E-08
4361	489363.09, 3857377.25	9.73E-04	1.53E-07	5.34E-08	9.93E-04	1.56E-07	5.45E-08	9.92E-04	1.56E-07	5.44E-08
4362	489863.09, 3857377.25	9.31E-04	1.47E-07	5.11E-08	9.50E-04	1.50E-07	5.21E-08	9.48E-04	1.49E-07	5.21E-08
4363	490363.09, 3857377.25	9.08E-04	1.43E-07	4.98E-08	9.27E-04	1.46E-07	5.09E-08	9.26E-04	1.46E-07	5.08E-08
4364	490863.09, 3857377.25	9.03E-04	1.42E-07	4.96E-08	9.22E-04	1.45E-07	5.06E-08	9.20E-04	1.45E-07	5.05E-08
4365	491363.09, 3857377.25	9.11E-04	1.43E-07	5.00E-08	9.29E-04	1.46E-07	5.10E-08	9.28E-04	1.46E-07	5.09E-08
4366	491863.09, 3857377.25	8.79E-04	1.38E-07	4.82E-08	8.97E-04	1.41E-07	4.92E-08	8.96E-04	1.41E-07	4.92E-08
4367	492363.09, 3857377.25	7.48E-04	1.18E-07	4.11E-08	7.64E-04	1.20E-07	4.19E-08	7.63E-04	1.20E-07	4.19E-08
4368	492863.09, 3857377.25	6.24E-04	9.83E-08	3.42E-08	6.37E-04	1.00E-07	3.49E-08	6.36E-04	1.00E-07	3.49E-08
4369	493363.09, 3857377.25	4.86E-04	7.65E-08	2.67E-08	4.96E-04	7.81E-08	2.72E-08	4.95E-04	7.80E-08	2.72E-08
4370	493863.09, 3857377.25	4.39E-04	6.92E-08	2.41E-08	4.48E-04	7.06E-08	2.46E-08	4.48E-04	7.05E-08	2.46E-08
4371	494363.09, 3857377.25	3.93E-04	6.19E-08	2.16E-08	4.01E-04	6.31E-08	2.20E-08	4.00E-04	6.31E-08	2.20E-08
4372	494863.09, 3857377.25	3.81E-04	6.00E-08	2.09E-08	3.89E-04	6.12E-08	2.13E-08	3.88E-04	6.12E-08	2.13E-08
4373	495363.09, 3857377.25	3.73E-04	5.87E-08	2.05E-08	3.80E-04	5.99E-08	2.09E-08	3.80E-04	5.98E-08	2.09E-08
4374	495863.09, 3857377.25	3.84E-04	6.04E-08	2.11E-08	3.91E-04	6.17E-08	2.15E-08	3.91E-04	6.16E-08	2.15E-08
4375	496363.09, 3857377.25	3.98E-04	6.27E-08	2.18E-08	4.06E-04	6.39E-08	2.23E-08	4.05E-04	6.39E-08	2.23E-08
4376	496863.09, 3857377.25	4.15E-04	6.54E-08	2.28E-08	4.23E-04	6.67E-08	2.32E-08	4.23E-04	6.66E-08	2.32E-08
4377	497363.09, 3857377.25	4.48E-04	7.06E-08	2.46E-08	4.57E-04	7.20E-08	2.51E-08	4.56E-04	7.19E-08	2.51E-08
4378	497863.09, 3857377.25	4.98E-04	7.84E-08	2.73E-08	5.08E-04	8.01E-08	2.79E-08	5.08E-04	8.00E-08	2.79E-08
4379	498363.09, 3857377.25	6.10E-04	9.60E-08	3.35E-08	6.22E-04	9.80E-08	3.41E-08	6.21E-04	9.79E-08	3.41E-08
4380	471363.09, 3857877.25	3.28E-04	5.16E-08	1.80E-08	3.34E-04	5.27E-08	1.84E-08	3.34E-04	5.26E-08	1.83E-08
4381	471863.09, 3857877.25	3.37E-04	5.31E-08	1.85E-08	3.44E-04	5.41E-08	1.89E-08	3.43E-04	5.41E-08	1.88E-08
4382	472363.09, 3857877.25	3.49E-04	5.50E-08	1.92E-08	3.56E-04	5.61E-08	1.96E-08	3.56E-04	5.61E-08	1.95E-08
4383	472863.09, 3857877.25	3.69E-04	5.82E-08	2.03E-08	3.77E-04	5.94E-08	2.07E-08	3.76E-04	5.93E-08	2.07E-08
4384	473363.09, 3857877.25	3.82E-04	6.02E-08	2.10E-08	3.90E-04	6.14E-08	2.14E-08	3.90E-04	6.14E-08	2.14E-08
4385	473863.09, 3857877.25	4.01E-04	6.31E-08	2.20E-08	4.09E-04	6.44E-08	2.24E-08	4.08E-04	6.43E-08	2.24E-08
4386	474363.09, 3857877.25	3.74E-04	5.90E-08	2.05E-08	3.82E-04	6.02E-08	2.10E-08	3.81E-04	6.01E-08	2.09E-08
4387	474863.09, 3857877.25	2.89E-04	4.56E-08	1.59E-08	2.95E-04	4.65E-08	1.62E-08	2.95E-04	4.65E-08	1.62E-08
4388	475363.09, 3857877.25	1.52E-04	2.40E-08	8.34E-09	1.55E-04	2.44E-08	8.52E-09	1.55E-04	2.44E-08	8.51E-09
4389	475863.09, 3857877.25	5.30E-05	8.36E-09	2.91E-09	5.41E-05	8.53E-09	2.97E-09	5.41E-05	8.52E-09	2.97E-09
4390	476363.09, 3857877.25	1.68E-04	2.64E-08	9.20E-09	1.71E-04	2.70E-08	9.39E-09	1.71E-04	2.69E-08	9.38E-09
4391	476863.09, 3857877.25	2.09E-04	3.29E-08	1.14E-08	2.13E-04	3.35E-08	1.17E-08	2.13E-04	3.35E-08	1.17E-08
4392	477363.09, 3857877.25	1.99E-04	3.14E-08	1.09E-08	2.03E-04	3.20E-08	1.12E-08	2.03E-04	3.20E-08	1.11E-08
4393	477863.09, 3857877.25	1.84E-04	2.89E-08	1.01E-08	1.87E-04	2.95E-08	1.03E-08	1.87E-04	2.95E-08	1.03E-08
4394	478363.09, 3857877.25	8.25E-05	1.30E-08	4.53E-09	8.42E-05	1.33E-08	4.62E-09	8.41E-05	1.32E-08	4.62E-09
4395	478863.09, 3857877.25	6.22E-05	9.79E-09	3.41E-09	6.34E-05	9.99E-09	3.48E-09	6.34E-05	9.98E-09	3.48E-09
4396	479363.09, 3857877.25	3.54E-04	5.57E-08	1.94E-08	3.61E-04	5.68E-08	1.98E-08	3.60E-04	5.68E-08	1.98E-08
4397	479863.09, 3857877.25	5.27E-04	8.31E-08	2.89E-08	5.38E-04	8.48E-08	2.95E-08	5.38E-04	8.47E-08	2.95E-08
4398	480363.09, 3857877.25	5.79E-04	9.12E-08	3.18E-08	5.91E-04	9.30E-08	3.24E-08	5.90E-04	9.29E-08	3.24E-08

4399	480863.09, 3857877.25	5.90E-04	9.29E-08	3.24E-08	6.02E-04	9.48E-08	3.30E-08	6.01E-04	9.47E-08	3.30E-08
4400	481363.09, 3857877.25	6.08E-04	9.59E-08	3.34E-08	6.21E-04	9.78E-08	3.41E-08	6.20E-04	9.77E-08	3.40E-08
4401	481863.09, 3857877.25	6.28E-04	9.90E-08	3.45E-08	6.41E-04	1.01E-07	3.52E-08	6.40E-04	1.01E-07	3.51E-08
4402	482363.09, 3857877.25	6.64E-04	1.05E-07	3.64E-08	6.77E-04	1.07E-07	3.72E-08	6.76E-04	1.07E-07	3.71E-08
4403	482863.09, 3857877.25	6.79E-04	1.07E-07	3.73E-08	6.93E-04	1.09E-07	3.81E-08	6.93E-04	1.09E-07	3.80E-08
4404	483363.09, 3857877.25	7.02E-04	1.11E-07	3.85E-08	7.16E-04	1.13E-07	3.93E-08	7.15E-04	1.13E-07	3.92E-08
4405	483863.09, 3857877.25	7.30E-04	1.15E-07	4.01E-08	7.45E-04	1.17E-07	4.09E-08	7.44E-04	1.17E-07	4.08E-08
4406	484363.09, 3857877.25	7.53E-04	1.19E-07	4.14E-08	7.69E-04	1.21E-07	4.22E-08	7.68E-04	1.21E-07	4.21E-08
4407	484863.09, 3857877.25	7.83E-04	1.23E-07	4.30E-08	7.99E-04	1.26E-07	4.39E-08	7.98E-04	1.26E-07	4.38E-08
4408	485363.09, 3857877.25	8.20E-04	1.29E-07	4.50E-08	8.37E-04	1.32E-07	4.59E-08	8.36E-04	1.32E-07	4.59E-08
4409	485863.09, 3857877.25	8.55E-04	1.35E-07	4.69E-08	8.72E-04	1.37E-07	4.79E-08	8.71E-04	1.37E-07	4.78E-08
4410	486363.09, 3857877.25	9.04E-04	1.42E-07	4.96E-08	9.22E-04	1.45E-07	5.06E-08	9.21E-04	1.45E-07	5.06E-08
4411	486863.09, 3857877.25	1.01E-03	1.58E-07	5.52E-08	1.03E-03	1.62E-07	5.63E-08	1.03E-03	1.62E-07	5.63E-08
4412	487363.09, 3857877.25	1.12E-03	1.77E-07	6.16E-08	1.15E-03	1.80E-07	6.29E-08	1.14E-03	1.80E-07	6.28E-08
4413	487863.09, 3857877.25	1.20E-03	1.88E-07	6.56E-08	1.22E-03	1.92E-07	6.69E-08	1.22E-03	1.92E-07	6.69E-08
4414	488363.09, 3857877.25	1.32E-03	2.08E-07	7.23E-08	1.34E-03	2.12E-07	7.38E-08	1.34E-03	2.12E-07	7.37E-08
4415	488863.09, 3857877.25	1.36E-03	2.15E-07	7.49E-08	1.39E-03	2.19E-07	7.64E-08	1.39E-03	2.19E-07	7.63E-08
4416	489363.09, 3857877.25	1.25E-03	1.97E-07	6.85E-08	1.27E-03	2.01E-07	6.99E-08	1.27E-03	2.01E-07	6.99E-08
4417	489863.09, 3857877.25	1.15E-03	1.82E-07	6.33E-08	1.18E-03	1.85E-07	6.46E-08	1.18E-03	1.85E-07	6.45E-08
4418	490363.09, 3857877.25	1.14E-03	1.79E-07	6.25E-08	1.16E-03	1.83E-07	6.38E-08	1.16E-03	1.83E-07	6.37E-08
4419	490863.09, 3857877.25	1.18E-03	1.85E-07	6.46E-08	1.20E-03	1.89E-07	6.59E-08	1.20E-03	1.89E-07	6.58E-08
4420	491363.09, 3857877.25	1.12E-03	1.76E-07	6.14E-08	1.14E-03	1.80E-07	6.26E-08	1.14E-03	1.80E-07	6.25E-08
4421	491863.09, 3857877.25	1.02E-03	1.60E-07	5.59E-08	1.04E-03	1.64E-07	5.70E-08	1.04E-03	1.64E-07	5.70E-08
4422	492363.09, 3857877.25	8.37E-04	1.32E-07	4.59E-08	8.54E-04	1.35E-07	4.69E-08	8.53E-04	1.34E-07	4.68E-08
4423	492863.09, 3857877.25	6.87E-04	1.08E-07	3.77E-08	7.01E-04	1.10E-07	3.85E-08	7.00E-04	1.10E-07	3.84E-08
4424	493363.09, 3857877.25	6.33E-04	9.98E-08	3.48E-08	6.46E-04	1.02E-07	3.55E-08	6.45E-04	1.02E-07	3.54E-08
4425	493863.09, 3857877.25	6.12E-04	9.65E-08	3.36E-08	6.25E-04	9.84E-08	3.43E-08	6.24E-04	9.83E-08	3.43E-08
4426	494363.09, 3857877.25	5.94E-04	9.35E-08	3.26E-08	6.06E-04	9.54E-08	3.33E-08	6.05E-04	9.53E-08	3.32E-08
4427	494863.09, 3857877.25	5.42E-04	8.54E-08	2.98E-08	5.53E-04	8.72E-08	3.04E-08	5.53E-04	8.71E-08	3.03E-08
4428	495363.09, 3857877.25	5.35E-04	8.43E-08	2.94E-08	5.46E-04	8.60E-08	3.00E-08	5.45E-04	8.59E-08	2.99E-08
4429	495863.09, 3857877.25	5.27E-04	8.30E-08	2.89E-08	5.37E-04	8.46E-08	2.95E-08	5.37E-04	8.45E-08	2.95E-08
4430	496363.09, 3857877.25	5.41E-04	8.52E-08	2.97E-08	5.52E-04	8.70E-08	3.03E-08	5.51E-04	8.69E-08	3.03E-08
4431	496863.09, 3857877.25	5.57E-04	8.78E-08	3.06E-08	5.69E-04	8.96E-08	3.12E-08	5.68E-04	8.95E-08	3.12E-08
4432	497363.09, 3857877.25	5.61E-04	8.83E-08	3.08E-08	5.72E-04	9.01E-08	3.14E-08	5.72E-04	9.00E-08	3.14E-08
4433	497863.09, 3857877.25	6.35E-04	1.00E-07	3.49E-08	6.48E-04	1.02E-07	3.56E-08	6.48E-04	1.02E-07	3.55E-08
4434	498363.09, 3857877.25	7.06E-04	1.11E-07	3.88E-08	7.21E-04	1.14E-07	3.96E-08	7.20E-04	1.13E-07	3.95E-08
4435	471363.09, 3858377.25	3.20E-04	5.05E-08	1.76E-08	3.27E-04	5.15E-08	1.79E-08	3.26E-04	5.14E-08	1.79E-08
4436	471863.09, 3858377.25	3.29E-04	5.18E-08	1.80E-08	3.36E-04	5.29E-08	1.84E-08	3.35E-04	5.28E-08	1.84E-08
4437	472363.09, 3858377.25	3.36E-04	5.30E-08	1.85E-08	3.43E-04	5.40E-08	1.88E-08	3.43E-04	5.40E-08	1.88E-08
4438	472863.09, 3858377.25	3.49E-04	5.50E-08	1.92E-08	3.56E-04	5.61E-08	1.96E-08	3.56E-04	5.61E-08	1.95E-08
4439	473363.09, 3858377.25	3.72E-04	5.85E-08	2.04E-08	3.79E-04	5.97E-08	2.08E-08	3.79E-04	5.97E-08	2.08E-08
4440	473863.09, 3858377.25	3.72E-04	5.86E-08	2.04E-08	3.79E-04	5.98E-08	2.08E-08	3.79E-04	5.97E-08	2.08E-08
4441	474363.09, 3858377.25	3.41E-04	5.38E-08	1.87E-08	3.48E-04	5.49E-08	1.91E-08	3.48E-04	5.48E-08	1.91E-08
4442	474863.09, 3858377.25	2.84E-04	4.48E-08	1.56E-08	2.90E-04	4.57E-08	1.59E-08	2.90E-04	4.57E-08	1.59E-08
4443	475363.09, 3858377.25	1.90E-04	2.99E-08	1.04E-08	1.94E-04	3.05E-08	1.06E-08	1.93E-04	3.05E-08	1.06E-08
4444	475863.09, 3858377.25	1.26E-04	1.98E-08	6.91E-09	1.28E-04	2.02E-08	7.05E-09	1.28E-04	2.02E-08	7.04E-09
4445	476363.09, 3858377.25	1.36E-04	2.14E-08	7.47E-09	1.39E-04	2.19E-08	7.62E-09	1.39E-04	2.19E-08	7.61E-09
4446	476863.09, 3858377.25	1.48E-04	2.33E-08	8.12E-09	1.51E-04	2.38E-08	8.28E-09	1.51E-04	2.38E-08	8.27E-09
4447	477363.09, 3858377.25	1.36E-04	2.14E-08	7.44E-09	1.38E-04	2.18E-08	7.59E-09	1.38E-04	2.18E-08	7.58E-09
4448	477863.09, 3858377.25	1.85E-04	2.92E-08	1.02E-08	1.89E-04	2.97E-08	1.04E-08	1.89E-04	2.97E-08	1.04E-08
4449	478363.09, 3858377.25	1.95E-04	3.07E-08	1.07E-08	1.99E-04	3.13E-08	1.09E-08	1.99E-04	3.13E-08	1.09E-08
4450	478863.09, 3858377.25	1.20E-04	1.89E-08	6.58E-09	1.22E-04	1.93E-08	6.72E-09	1.22E-04	1.93E-08	6.71E-09
4451	479363.09, 3858377.25	3.49E-04	5.51E-08	1.92E-08	3.57E-04	5.62E-08	1.96E-08	3.56E-04	5.61E-08	1.95E-08
4452	479863.09, 3858377.25	5.00E-04	7.88E-08	2.75E-08	5.11E-04	8.04E-08	2.80E-08	5.10E-04	8.03E-08	2.80E-08
4453	480363.09, 3858377.25	5.35E-04	8.43E-08	2.94E-08	5.46E-04	8.61E-08	3.00E-08	5.46E-04	8.60E-08	2.99E-08
4454	480863.09, 3858377.25	5.44E-04	8.56E-08	2.98E-08	5.55E-04	8.74E-08	3.04E-08	5.54E-04	8.73E-08	3.04E-08
4455	481363.09, 3858377.25	5.63E-04	8.88E-08	3.09E-08	5.75E-04	9.06E-08	3.16E-08	5.74E-04	9.05E-08	3.15E-08
4456	481863.09, 3858377.25	5.69E-04	8.97E-08	3.12E-08	5.81E-04	9.15E-08	3.19E-08	5.80E-04	9.14E-08	3.18E-08
4457	482363.09, 3858377.25	5.93E-04	9.33E-08	3.25E-08	6.05E-04	9.53E-08	3.32E-08	6.04E-04	9.51E-08	3.31E-08
4458	482863.09, 3858377.25	6.34E-04	9.98E-08	3.48E-08	6.47E-04	1.02E-07	3.55E-08	6.46E-04	1.02E-07	3.55E-08
4459	483363.09, 3858377.25	6.63E-04	1.04E-07	3.64E-08	6.77E-04	1.07E-07	3.71E-08	6.76E-04	1.06E-07	3.71E-08
4460	483863.09, 3858377.25	6.94E-04	1.09E-07	3.81E-08	7.08E-04	1.12E-07	3.89E-08	7.08E-04	1.11E-07	3.88E-08

4461	484363.09, 3858377.25	7.32E-04	1.15E-07	4.02E-08	7.47E-04	1.18E-07	4.10E-08	7.46E-04	1.18E-07	4.10E-08
4462	484863.09, 3858377.25	7.77E-04	1.22E-07	4.27E-08	7.93E-04	1.25E-07	4.35E-08	7.92E-04	1.25E-07	4.35E-08
4463	485363.09, 3858377.25	8.38E-04	1.32E-07	4.60E-08	8.55E-04	1.35E-07	4.69E-08	8.54E-04	1.35E-07	4.69E-08
4464	485863.09, 3858377.25	9.15E-04	1.44E-07	5.02E-08	9.33E-04	1.47E-07	5.12E-08	9.32E-04	1.47E-07	5.12E-08
4465	486363.09, 3858377.25	1.00E-03	1.58E-07	5.50E-08	1.02E-03	1.61E-07	5.61E-08	1.02E-03	1.61E-07	5.61E-08
4466	486863.09, 3858377.25	1.10E-03	1.74E-07	6.05E-08	1.12E-03	1.77E-07	6.17E-08	1.12E-03	1.77E-07	6.17E-08
4467	487363.09, 3858377.25	1.24E-03	1.95E-07	6.79E-08	1.26E-03	1.99E-07	6.93E-08	1.26E-03	1.99E-07	6.92E-08
4468	487863.09, 3858377.25	1.54E-03	2.43E-07	8.47E-08	1.58E-03	2.48E-07	8.65E-08	1.57E-03	2.48E-07	8.64E-08
4469	488363.09, 3858377.25	1.99E-03	3.13E-07	1.09E-07	2.03E-03	3.20E-07	1.11E-07	2.03E-03	3.19E-07	1.11E-07
4470	488863.09, 3858377.25	2.24E-03	3.53E-07	1.23E-07	2.29E-03	3.60E-07	1.26E-07	2.29E-03	3.60E-07	1.25E-07
4471	489363.09, 3858377.25	2.15E-03	3.38E-07	1.18E-07	2.19E-03	3.45E-07	1.20E-07	2.19E-03	3.45E-07	1.20E-07
4472	489863.09, 3858377.25	2.14E-03	3.37E-07	1.17E-07	2.18E-03	3.43E-07	1.20E-07	2.18E-03	3.43E-07	1.20E-07
4473	490363.09, 3858377.25	2.21E-03	3.48E-07	1.21E-07	2.25E-03	3.55E-07	1.24E-07	2.25E-03	3.55E-07	1.24E-07
4474	490863.09, 3858377.25	2.22E-03	3.49E-07	1.22E-07	2.26E-03	3.56E-07	1.24E-07	2.26E-03	3.56E-07	1.24E-07
4475	491363.09, 3858377.25	1.91E-03	3.00E-07	1.05E-07	1.95E-03	3.07E-07	1.07E-07	1.94E-03	3.06E-07	1.07E-07
4476	491863.09, 3858377.25	1.40E-03	2.20E-07	7.67E-08	1.43E-03	2.25E-07	7.83E-08	1.43E-03	2.24E-07	7.82E-08
4477	492363.09, 3858377.25	1.05E-03	1.65E-07	5.74E-08	1.07E-03	1.68E-07	5.86E-08	1.07E-03	1.68E-07	5.85E-08
4478	492863.09, 3858377.25	1.14E-03	1.80E-07	6.28E-08	1.17E-03	1.84E-07	6.41E-08	1.17E-03	1.84E-07	6.40E-08
4479	493363.09, 3858377.25	1.06E-03	1.67E-07	5.82E-08	1.08E-03	1.71E-07	5.94E-08	1.08E-03	1.70E-07	5.94E-08
4480	493863.09, 3858377.25	1.01E-03	1.60E-07	5.56E-08	1.03E-03	1.63E-07	5.68E-08	1.03E-03	1.63E-07	5.67E-08
4481	494363.09, 3858377.25	9.41E-04	1.48E-07	5.17E-08	9.60E-04	1.51E-07	5.27E-08	9.59E-04	1.51E-07	5.26E-08
4482	494863.09, 3858377.25	8.73E-04	1.38E-07	4.79E-08	8.91E-04	1.40E-07	4.89E-08	8.90E-04	1.40E-07	4.88E-08
4483	495363.09, 3858377.25	7.84E-04	1.23E-07	4.30E-08	8.00E-04	1.26E-07	4.39E-08	7.99E-04	1.26E-07	4.38E-08
4484	495863.09, 3858377.25	7.59E-04	1.20E-07	4.17E-08	7.75E-04	1.22E-07	4.25E-08	7.74E-04	1.22E-07	4.25E-08
4485	496363.09, 3858377.25	7.31E-04	1.15E-07	4.01E-08	7.46E-04	1.18E-07	4.09E-08	7.45E-04	1.17E-07	4.09E-08
4486	496863.09, 3858377.25	7.51E-04	1.18E-07	4.12E-08	7.66E-04	1.21E-07	4.20E-08	7.65E-04	1.21E-07	4.20E-08
4487	497363.09, 3858377.25	7.44E-04	1.17E-07	4.08E-08	7.59E-04	1.20E-07	4.17E-08	7.58E-04	1.19E-07	4.16E-08
4488	497863.09, 3858377.25	8.06E-04	1.27E-07	4.42E-08	8.22E-04	1.30E-07	4.51E-08	8.21E-04	1.29E-07	4.51E-08
4489	498363.09, 3858377.25	8.90E-04	1.40E-07	4.88E-08	9.08E-04	1.43E-07	4.98E-08	9.07E-04	1.43E-07	4.98E-08
4490	471363.09, 3858877.25	3.09E-04	4.86E-08	1.69E-08	3.15E-04	4.96E-08	1.73E-08	3.15E-04	4.96E-08	1.73E-08
4491	471863.09, 3858877.25	3.14E-04	4.95E-08	1.72E-08	3.21E-04	5.05E-08	1.76E-08	3.20E-04	5.04E-08	1.76E-08
4492	472363.09, 3858877.25	3.26E-04	5.14E-08	1.79E-08	3.33E-04	5.25E-08	1.83E-08	3.33E-04	5.24E-08	1.83E-08
4493	472863.09, 3858877.25	3.37E-04	5.31E-08	1.85E-08	3.44E-04	5.42E-08	1.89E-08	3.44E-04	5.41E-08	1.89E-08
4494	473363.09, 3858877.25	3.54E-04	5.58E-08	1.94E-08	3.61E-04	5.69E-08	1.98E-08	3.61E-04	5.69E-08	1.98E-08
4495	473863.09, 3858877.25	3.58E-04	5.64E-08	1.96E-08	3.65E-04	5.76E-08	2.01E-08	3.65E-04	5.75E-08	2.00E-08
4496	474363.09, 3858877.25	3.39E-04	5.34E-08	1.86E-08	3.46E-04	5.45E-08	1.90E-08	3.45E-04	5.44E-08	1.90E-08
4497	474863.09, 3858877.25	1.87E-04	2.94E-08	1.03E-08	1.91E-04	3.00E-08	1.05E-08	1.90E-04	3.00E-08	1.05E-08
4498	475363.09, 3858877.25	1.29E-04	2.03E-08	7.08E-09	1.32E-04	2.07E-08	7.23E-09	1.32E-04	2.07E-08	7.22E-09
4499	475863.09, 3858877.25	1.47E-04	2.31E-08	8.05E-09	1.50E-04	2.36E-08	8.22E-09	1.50E-04	2.36E-08	8.21E-09
4500	476363.09, 3858877.25	7.96E-05	1.25E-08	4.37E-09	8.12E-05	1.28E-08	4.46E-09	8.11E-05	1.28E-08	4.45E-09
4501	476863.09, 3858877.25	1.05E-04	1.65E-08	5.76E-09	1.07E-04	1.69E-08	5.87E-09	1.07E-04	1.68E-08	5.87E-09
4502	477363.09, 3858877.25	1.08E-04	1.69E-08	5.90E-09	1.10E-04	1.73E-08	6.02E-09	1.10E-04	1.73E-08	6.02E-09
4503	477863.09, 3858877.25	1.38E-04	2.17E-08	7.55E-09	1.40E-04	2.21E-08	7.71E-09	1.40E-04	2.21E-08	7.70E-09
4504	478363.09, 3858877.25	2.73E-04	4.30E-08	1.50E-08	2.78E-04	4.39E-08	1.53E-08	2.78E-04	4.38E-08	1.53E-08
4505	478863.09, 3858877.25	2.30E-04	3.62E-08	1.26E-08	2.35E-04	3.69E-08	1.29E-08	2.34E-04	3.69E-08	1.29E-08
4506	479363.09, 3858877.25	1.82E-04	2.87E-08	1.00E-08	1.86E-04	2.93E-08	1.02E-08	1.86E-04	2.93E-08	1.02E-08
4507	479863.09, 3858877.25	4.80E-04	7.56E-08	2.63E-08	4.90E-04	7.71E-08	2.69E-08	4.89E-04	7.70E-08	2.68E-08
4508	480363.09, 3858877.25	5.00E-04	7.87E-08	2.74E-08	5.10E-04	8.03E-08	2.80E-08	5.09E-04	8.02E-08	2.80E-08
4509	480863.09, 3858877.25	5.16E-04	8.13E-08	2.83E-08	5.26E-04	8.29E-08	2.89E-08	5.26E-04	8.28E-08	2.89E-08
4510	481363.09, 3858877.25	5.29E-04	8.34E-08	2.90E-08	5.40E-04	8.51E-08	2.96E-08	5.39E-04	8.50E-08	2.96E-08
4511	481863.09, 3858877.25	5.38E-04	8.48E-08	2.95E-08	5.49E-04	8.65E-08	3.01E-08	5.48E-04	8.64E-08	3.01E-08
4512	482363.09, 3858877.25	5.50E-04	8.67E-08	3.02E-08	5.61E-04	8.84E-08	3.08E-08	5.61E-04	8.83E-08	3.08E-08
4513	482863.09, 3858877.25	5.72E-04	9.01E-08	3.14E-08	5.83E-04	9.19E-08	3.20E-08	5.83E-04	9.18E-08	3.20E-08
4514	483363.09, 3858877.25	6.18E-04	9.73E-08	3.39E-08	6.31E-04	9.93E-08	3.46E-08	6.30E-04	9.92E-08	3.46E-08
4515	483863.09, 3858877.25	6.51E-04	1.02E-07	3.57E-08	6.64E-04	1.05E-07	3.64E-08	6.63E-04	1.04E-07	3.64E-08
4516	484363.09, 3858877.25	6.92E-04	1.09E-07	3.80E-08	7.06E-04	1.11E-07	3.87E-08	7.05E-04	1.11E-07	3.87E-08
4517	484863.09, 3858877.25	7.41E-04	1.17E-07	4.07E-08	7.56E-04	1.19E-07	4.15E-08	7.55E-04	1.19E-07	4.15E-08
4518	485363.09, 3858877.25	8.10E-04	1.28E-07	4.44E-08	8.26E-04	1.30E-07	4.53E-08	8.25E-04	1.30E-07	4.53E-08
4519	485863.09, 3858877.25	9.08E-04	1.43E-07	4.98E-08	9.27E-04	1.46E-07	5.09E-08	9.26E-04	1.46E-07	5.08E-08
4520	486363.09, 3858877.25	1.03E-03	1.63E-07	5.67E-08	1.05E-03	1.66E-07	5.79E-08	1.05E-03	1.66E-07	5.78E-08
4521	486863.09, 3858877.25	1.22E-03	1.91E-07	6.67E-08	1.24E-03	1.95E-07	6.81E-08	1.24E-03	1.95E-07	6.80E-08
4522	487363.09, 3858877.25	1.52E-03	2.40E-07	8.35E-08	1.55E-03	2.45E-07	8.52E-08	1.55E-03	2.44E-07	8.51E-08

4523	487863.09, 3858877.25	2.04E-03	3.21E-07	1.12E-07	2.08E-03	3.28E-07	1.14E-07	2.08E-03	3.27E-07	1.14E-07
4524	488363.09, 3858877.25	3.42E-03	5.38E-07	1.88E-07	3.49E-03	5.49E-07	1.91E-07	3.48E-03	5.49E-07	1.91E-07
4525	488863.09, 3858877.25	1.60E-02	2.52E-06	8.77E-07	1.63E-02	2.57E-06	8.95E-07	1.63E-02	2.57E-06	8.94E-07
4526	489363.09, 3858877.25	1.51E-02	2.38E-06	8.30E-07	1.54E-02	2.43E-06	8.47E-07	1.54E-02	2.43E-06	8.46E-07
4527	489863.09, 3858877.25	9.73E-03	1.53E-06	5.34E-07	9.93E-03	1.56E-06	5.45E-07	9.92E-03	1.56E-06	5.44E-07
4528	490363.09, 3858877.25	6.83E-03	1.08E-06	3.75E-07	6.97E-03	1.10E-06	3.83E-07	6.97E-03	1.10E-06	3.82E-07
4529	490863.09, 3858877.25	4.50E-03	7.08E-07	2.47E-07	4.59E-03	7.23E-07	2.52E-07	4.58E-03	7.22E-07	2.51E-07
4530	491363.09, 3858877.25	2.87E-03	4.53E-07	1.58E-07	2.93E-03	4.62E-07	1.61E-07	2.93E-03	4.61E-07	1.61E-07
4531	491863.09, 3858877.25	2.01E-03	3.17E-07	1.10E-07	2.05E-03	3.23E-07	1.13E-07	2.05E-03	3.23E-07	1.12E-07
4532	492363.09, 3858877.25	2.15E-03	3.39E-07	1.18E-07	2.20E-03	3.46E-07	1.21E-07	2.19E-03	3.46E-07	1.20E-07
4533	492863.09, 3858877.25	2.40E-03	3.78E-07	1.32E-07	2.45E-03	3.85E-07	1.34E-07	2.44E-03	3.85E-07	1.34E-07
4534	493363.09, 3858877.25	2.07E-03	3.26E-07	1.14E-07	2.11E-03	3.33E-07	1.16E-07	2.11E-03	3.33E-07	1.16E-07
4535	493863.09, 3858877.25	1.68E-03	2.65E-07	9.22E-08	1.71E-03	2.70E-07	9.41E-08	1.71E-03	2.70E-07	9.40E-08
4536	494363.09, 3858877.25	1.52E-03	2.40E-07	8.36E-08	1.55E-03	2.45E-07	8.53E-08	1.55E-03	2.44E-07	8.52E-08
4537	494863.09, 3858877.25	1.36E-03	2.14E-07	7.47E-08	1.39E-03	2.19E-07	7.62E-08	1.39E-03	2.18E-07	7.61E-08
4538	495363.09, 3858877.25	1.21E-03	1.90E-07	6.62E-08	1.23E-03	1.94E-07	6.75E-08	1.23E-03	1.94E-07	6.74E-08
4539	495863.09, 3858877.25	1.11E-03	1.75E-07	6.09E-08	1.13E-03	1.78E-07	6.22E-08	1.13E-03	1.78E-07	6.21E-08
4540	496363.09, 3858877.25	1.05E-03	1.66E-07	5.77E-08	1.07E-03	1.69E-07	5.89E-08	1.07E-03	1.69E-07	5.88E-08
4541	496863.09, 3858877.25	9.98E-04	1.57E-07	5.48E-08	1.02E-03	1.60E-07	5.59E-08	1.02E-03	1.60E-07	5.58E-08
4542	497363.09, 3858877.25	9.49E-04	1.49E-07	5.21E-08	9.68E-04	1.53E-07	5.31E-08	9.67E-04	1.52E-07	5.31E-08
4543	497863.09, 3858877.25	1.01E-03	1.60E-07	5.57E-08	1.03E-03	1.63E-07	5.68E-08	1.03E-03	1.63E-07	5.67E-08
4544	498363.09, 3858877.25	1.09E-03	1.71E-07	5.97E-08	1.11E-03	1.75E-07	6.09E-08	1.11E-03	1.75E-07	6.08E-08
4545	471363.09, 3859377.25	2.93E-04	4.61E-08	1.61E-08	2.99E-04	4.70E-08	1.64E-08	2.98E-04	4.70E-08	1.64E-08
4546	471863.09, 3859377.25	3.00E-04	4.73E-08	1.65E-08	3.06E-04	4.83E-08	1.68E-08	3.06E-04	4.82E-08	1.68E-08
4547	472363.09, 3859377.25	3.12E-04	4.92E-08	1.71E-08	3.19E-04	5.02E-08	1.75E-08	3.18E-04	5.02E-08	1.75E-08
4548	472863.09, 3859377.25	3.23E-04	5.09E-08	1.77E-08	3.30E-04	5.20E-08	1.81E-08	3.29E-04	5.19E-08	1.81E-08
4549	473363.09, 3859377.25	3.36E-04	5.29E-08	1.84E-08	3.43E-04	5.40E-08	1.88E-08	3.42E-04	5.39E-08	1.88E-08
4550	473863.09, 3859377.25	3.44E-04	5.42E-08	1.89E-08	3.51E-04	5.53E-08	1.93E-08	3.50E-04	5.52E-08	1.92E-08
4551	474363.09, 3859377.25	3.25E-04	5.12E-08	1.78E-08	3.31E-04	5.22E-08	1.82E-08	3.31E-04	5.21E-08	1.82E-08
4552	474863.09, 3859377.25	2.63E-04	4.14E-08	1.44E-08	2.68E-04	4.22E-08	1.47E-08	2.68E-04	4.22E-08	1.47E-08
4553	475363.09, 3859377.25	1.79E-04	2.82E-08	9.82E-09	1.83E-04	2.88E-08	1.00E-08	1.82E-04	2.87E-08	1.00E-08
4554	475863.09, 3859377.25	1.08E-04	1.69E-08	5.90E-09	1.10E-04	1.73E-08	6.02E-09	1.10E-04	1.73E-08	6.02E-09
4555	476363.09, 3859377.25	9.13E-05	1.44E-08	5.01E-09	9.32E-05	1.47E-08	5.12E-09	9.31E-05	1.47E-08	5.11E-09
4556	476863.09, 3859377.25	6.87E-05	1.08E-08	3.77E-09	7.01E-05	1.10E-08	3.84E-09	7.00E-05	1.10E-08	3.84E-09
4557	477363.09, 3859377.25	7.54E-05	1.19E-08	4.14E-09	7.70E-05	1.21E-08	4.22E-09	7.69E-05	1.21E-08	4.22E-09
4558	477863.09, 3859377.25	1.57E-04	2.48E-08	8.64E-09	1.61E-04	2.53E-08	8.81E-09	1.60E-04	2.53E-08	8.80E-09
4559	478363.09, 3859377.25	2.37E-04	3.74E-08	1.30E-08	2.42E-04	3.81E-08	1.33E-08	2.42E-04	3.81E-08	1.33E-08
4560	478863.09, 3859377.25	3.25E-04	5.12E-08	1.79E-08	3.32E-04	5.23E-08	1.82E-08	3.32E-04	5.22E-08	1.82E-08
4561	479363.09, 3859377.25	3.88E-04	6.11E-08	2.13E-08	3.96E-04	6.24E-08	2.17E-08	3.96E-04	6.23E-08	2.17E-08
4562	479863.09, 3859377.25	4.29E-04	6.75E-08	2.35E-08	4.37E-04	6.89E-08	2.40E-08	4.37E-04	6.88E-08	2.40E-08
4563	480363.09, 3859377.25	4.59E-04	7.24E-08	2.52E-08	4.69E-04	7.38E-08	2.57E-08	4.68E-04	7.38E-08	2.57E-08
4564	480863.09, 3859377.25	4.81E-04	7.58E-08	2.64E-08	4.91E-04	7.74E-08	2.69E-08	4.90E-04	7.73E-08	2.69E-08
4565	481363.09, 3859377.25	4.95E-04	7.80E-08	2.72E-08	5.05E-04	7.96E-08	2.77E-08	5.05E-04	7.95E-08	2.77E-08
4566	481863.09, 3859377.25	5.06E-04	7.97E-08	2.78E-08	5.16E-04	8.13E-08	2.83E-08	5.16E-04	8.12E-08	2.83E-08
4567	482363.09, 3859377.25	5.19E-04	8.18E-08	2.85E-08	5.30E-04	8.35E-08	2.91E-08	5.29E-04	8.34E-08	2.90E-08
4568	482863.09, 3859377.25	5.40E-04	8.51E-08	2.97E-08	5.51E-04	8.69E-08	3.03E-08	5.51E-04	8.68E-08	3.02E-08
4569	483363.09, 3859377.25	5.78E-04	9.10E-08	3.17E-08	5.89E-04	9.28E-08	3.23E-08	5.89E-04	9.27E-08	3.23E-08
4570	483863.09, 3859377.25	6.11E-04	9.63E-08	3.35E-08	6.24E-04	9.82E-08	3.42E-08	6.23E-04	9.81E-08	3.42E-08
4571	484363.09, 3859377.25	6.52E-04	1.03E-07	3.58E-08	6.66E-04	1.05E-07	3.65E-08	6.65E-04	1.05E-07	3.65E-08
4572	484863.09, 3859377.25	7.02E-04	1.11E-07	3.86E-08	7.17E-04	1.13E-07	3.93E-08	7.16E-04	1.13E-07	3.93E-08
4573	485363.09, 3859377.25	7.68E-04	1.21E-07	4.22E-08	7.84E-04	1.24E-07	4.30E-08	7.83E-04	1.23E-07	4.30E-08
4574	485863.09, 3859377.25	8.62E-04	1.36E-07	4.73E-08	8.79E-04	1.39E-07	4.83E-08	8.78E-04	1.38E-07	4.82E-08
4575	486363.09, 3859377.25	9.94E-04	1.57E-07	5.45E-08	1.01E-03	1.60E-07	5.57E-08	1.01E-03	1.60E-07	5.56E-08
4576	486863.09, 3859377.25	1.18E-03	1.86E-07	6.48E-08	1.20E-03	1.90E-07	6.61E-08	1.20E-03	1.89E-07	6.60E-08
4577	487363.09, 3859377.25	1.49E-03	2.34E-07	8.15E-08	1.52E-03	2.39E-07	8.32E-08	1.51E-03	2.39E-07	8.31E-08
4578	487863.09, 3859377.25	2.10E-03	3.30E-07	1.15E-07	2.14E-03	3.37E-07	1.17E-07	2.14E-03	3.36E-07	1.17E-07
4579	488363.09, 3859377.25	3.30E-03	5.20E-07	1.81E-07	3.37E-03	5.30E-07	1.85E-07	3.36E-03	5.30E-07	1.85E-07
4580	488863.09, 3859377.25	6.65E-03	1.05E-06	3.65E-07	6.79E-03	1.07E-06	3.72E-07	6.78E-03	1.07E-06	3.72E-07
4581	489363.09, 3859377.25	1.79E-02	2.83E-06	9.85E-07	1.83E-02	2.88E-06	1.00E-06	1.83E-02	2.88E-06	1.00E-06
4582	489863.09, 3859377.25	6.24E-02	9.84E-06	3.43E-06	6.37E-02	1.00E-05	3.50E-06	6.36E-02	1.00E-05	3.49E-06
4583	490363.09, 3859377.25	2.15E-02	3.39E-06	1.18E-06	2.19E-02	3.46E-06	1.20E-06	2.19E-02	3.45E-06	1.20E-06
4584	490863.09, 3859377.25	1.06E-02	1.66E-06	5.79E-07	1.08E-02	1.70E-06	5.91E-07	1.08E-02	1.69E-06	5.91E-07

4585	491363.09, 3859377.25	5.24E-03	8.26E-07	2.88E-07	5.35E-03	8.43E-07	2.94E-07	5.34E-03	8.42E-07	2.93E-07
4586	491863.09, 3859377.25	5.56E-03	8.77E-07	3.05E-07	5.68E-03	8.94E-07	3.12E-07	5.67E-03	8.93E-07	3.11E-07
4587	492363.09, 3859377.25	4.74E-03	7.47E-07	2.60E-07	4.84E-03	7.62E-07	2.66E-07	4.83E-03	7.61E-07	2.65E-07
4588	492863.09, 3859377.25	4.24E-03	6.68E-07	2.33E-07	4.33E-03	6.81E-07	2.37E-07	4.32E-03	6.81E-07	2.37E-07
4589	493363.09, 3859377.25	3.35E-03	5.28E-07	1.84E-07	3.42E-03	5.39E-07	1.88E-07	3.42E-03	5.39E-07	1.88E-07
4590	493863.09, 3859377.25	2.95E-03	4.65E-07	1.62E-07	3.01E-03	4.74E-07	1.65E-07	3.01E-03	4.74E-07	1.65E-07
4591	494363.09, 3859377.25	2.50E-03	3.94E-07	1.37E-07	2.55E-03	4.02E-07	1.40E-07	2.55E-03	4.02E-07	1.40E-07
4592	494863.09, 3859377.25	1.97E-03	3.10E-07	1.08E-07	2.01E-03	3.16E-07	1.10E-07	2.01E-03	3.16E-07	1.10E-07
4593	495363.09, 3859377.25	1.77E-03	2.79E-07	9.72E-08	1.81E-03	2.85E-07	9.92E-08	1.80E-03	2.84E-07	9.90E-08
4594	495863.09, 3859377.25	1.55E-03	2.45E-07	8.52E-08	1.58E-03	2.50E-07	8.69E-08	1.58E-03	2.49E-07	8.68E-08
4595	496363.09, 3859377.25	1.46E-03	2.29E-07	7.99E-08	1.49E-03	2.34E-07	8.16E-08	1.48E-03	2.34E-07	8.15E-08
4596	496863.09, 3859377.25	1.25E-03	1.97E-07	6.87E-08	1.28E-03	2.01E-07	7.01E-08	1.28E-03	2.01E-07	7.01E-08
4597	497363.09, 3859377.25	1.23E-03	1.94E-07	6.76E-08	1.26E-03	1.98E-07	6.89E-08	1.25E-03	1.98E-07	6.88E-08
4598	497863.09, 3859377.25	1.28E-03	2.02E-07	7.02E-08	1.31E-03	2.06E-07	7.17E-08	1.30E-03	2.05E-07	7.16E-08
4599	498363.09, 3859377.25	1.30E-03	2.05E-07	7.15E-08	1.33E-03	2.10E-07	7.30E-08	1.33E-03	2.09E-07	7.29E-08
4600	471363.09, 3859877.25	2.78E-04	4.39E-08	1.53E-08	2.84E-04	4.48E-08	1.56E-08	2.84E-04	4.47E-08	1.56E-08
4601	471863.09, 3859877.25	2.88E-04	4.53E-08	1.58E-08	2.93E-04	4.62E-08	1.61E-08	2.93E-04	4.62E-08	1.61E-08
4602	472363.09, 3859877.25	2.96E-04	4.66E-08	1.62E-08	3.02E-04	4.75E-08	1.66E-08	3.01E-04	4.75E-08	1.65E-08
4603	472863.09, 3859877.25	3.07E-04	4.84E-08	1.69E-08	3.13E-04	4.94E-08	1.72E-08	3.13E-04	4.93E-08	1.72E-08
4604	473363.09, 3859877.25	3.18E-04	5.00E-08	1.74E-08	3.24E-04	5.11E-08	1.78E-08	3.24E-04	5.10E-08	1.78E-08
4605	473863.09, 3859877.25	3.26E-04	5.14E-08	1.79E-08	3.33E-04	5.25E-08	1.83E-08	3.33E-04	5.24E-08	1.83E-08
4606	474363.09, 3859877.25	3.17E-04	4.99E-08	1.74E-08	3.24E-04	5.10E-08	1.78E-08	3.23E-04	5.09E-08	1.77E-08
4607	474863.09, 3859877.25	2.88E-04	4.54E-08	1.58E-08	2.94E-04	4.64E-08	1.62E-08	2.94E-04	4.63E-08	1.61E-08
4608	475363.09, 3859877.25	2.04E-04	3.21E-08	1.12E-08	2.08E-04	3.28E-08	1.14E-08	2.08E-04	3.27E-08	1.14E-08
4609	475863.09, 3859877.25	1.03E-04	1.62E-08	5.64E-09	1.05E-04	1.65E-08	5.76E-09	1.05E-04	1.65E-08	5.75E-09
4610	476363.09, 3859877.25	5.48E-05	8.63E-09	3.01E-09	5.59E-05	8.81E-09	3.07E-09	5.59E-05	8.80E-09	3.07E-09
4611	476863.09, 3859877.25	6.54E-05	1.03E-08	3.59E-09	6.68E-05	1.05E-08	3.66E-09	6.67E-05	1.05E-08	3.66E-09
4612	477363.09, 3859877.25	7.04E-05	1.11E-08	3.87E-09	7.19E-05	1.13E-08	3.94E-09	7.18E-05	1.13E-08	3.94E-09
4613	477863.09, 3859877.25	1.39E-04	2.20E-08	7.65E-09	1.42E-04	2.24E-08	7.81E-09	1.42E-04	2.24E-08	7.80E-09
4614	478363.09, 3859877.25	2.27E-04	3.58E-08	1.25E-08	2.32E-04	3.66E-08	1.27E-08	2.32E-04	3.65E-08	1.27E-08
4615	478863.09, 3859877.25	3.08E-04	4.86E-08	1.69E-08	3.15E-04	4.95E-08	1.73E-08	3.14E-04	4.95E-08	1.72E-08
4616	479363.09, 3859877.25	3.74E-04	5.89E-08	2.05E-08	3.81E-04	6.01E-08	2.09E-08	3.81E-04	6.00E-08	2.09E-08
4617	479863.09, 3859877.25	4.08E-04	6.43E-08	2.24E-08	4.17E-04	6.57E-08	2.29E-08	4.16E-04	6.56E-08	2.28E-08
4618	480363.09, 3859877.25	4.35E-04	6.85E-08	2.39E-08	4.44E-04	6.99E-08	2.43E-08	4.43E-04	6.98E-08	2.43E-08
4619	480863.09, 3859877.25	4.54E-04	7.15E-08	2.49E-08	4.63E-04	7.29E-08	2.54E-08	4.63E-04	7.29E-08	2.54E-08
4620	481363.09, 3859877.25	4.67E-04	7.36E-08	2.56E-08	4.77E-04	7.51E-08	2.62E-08	4.76E-04	7.50E-08	2.61E-08
4621	481863.09, 3859877.25	4.79E-04	7.54E-08	2.63E-08	4.89E-04	7.70E-08	2.68E-08	4.88E-04	7.69E-08	2.68E-08
4622	482363.09, 3859877.25	4.96E-04	7.81E-08	2.72E-08	5.06E-04	7.97E-08	2.78E-08	5.05E-04	7.96E-08	2.77E-08
4623	482863.09, 3859877.25	5.15E-04	8.11E-08	2.83E-08	5.26E-04	8.28E-08	2.88E-08	5.25E-04	8.27E-08	2.88E-08
4624	483363.09, 3859877.25	5.43E-04	8.56E-08	2.98E-08	5.54E-04	8.73E-08	3.04E-08	5.54E-04	8.72E-08	3.04E-08
4625	483863.09, 3859877.25	5.82E-04	9.17E-08	3.20E-08	5.94E-04	9.36E-08	3.26E-08	5.93E-04	9.35E-08	3.26E-08
4626	484363.09, 3859877.25	6.19E-04	9.76E-08	3.40E-08	6.32E-04	9.96E-08	3.47E-08	6.31E-04	9.94E-08	3.46E-08
4627	484863.09, 3859877.25	6.67E-04	1.05E-07	3.66E-08	6.80E-04	1.07E-07	3.73E-08	6.80E-04	1.07E-07	3.73E-08
4628	485363.09, 3859877.25	7.29E-04	1.15E-07	4.00E-08	7.44E-04	1.17E-07	4.08E-08	7.43E-04	1.17E-07	4.08E-08
4629	485863.09, 3859877.25	8.17E-04	1.29E-07	4.49E-08	8.34E-04	1.31E-07	4.58E-08	8.33E-04	1.31E-07	4.57E-08
4630	486363.09, 3859877.25	9.45E-04	1.49E-07	5.19E-08	9.64E-04	1.52E-07	5.29E-08	9.63E-04	1.52E-07	5.29E-08
4631	486863.09, 3859877.25	1.14E-03	1.80E-07	6.26E-08	1.16E-03	1.83E-07	6.39E-08	1.16E-03	1.83E-07	6.38E-08
4632	487363.09, 3859877.25	1.39E-03	2.20E-07	7.65E-08	1.42E-03	2.24E-07	7.80E-08	1.42E-03	2.24E-07	7.79E-08
4633	487863.09, 3859877.25	1.83E-03	2.88E-07	1.00E-07	1.86E-03	2.94E-07	1.02E-07	1.86E-03	2.93E-07	1.02E-07
4634	488363.09, 3859877.25	2.49E-03	3.92E-07	1.37E-07	2.54E-03	4.00E-07	1.39E-07	2.54E-03	4.00E-07	1.39E-07
4635	488863.09, 3859877.25	3.66E-03	5.76E-07	2.01E-07	3.73E-03	5.88E-07	2.05E-07	3.73E-03	5.87E-07	2.05E-07
4636	489363.09, 3859877.25	5.57E-03	8.78E-07	3.06E-07	5.69E-03	8.96E-07	3.12E-07	5.68E-03	8.95E-07	3.12E-07
4637	489863.09, 3859877.25	9.34E-03	1.47E-06	5.13E-07	9.53E-03	1.50E-06	5.23E-07	9.52E-03	1.50E-06	5.23E-07
4638	490363.09, 3859877.25	1.82E-02	2.87E-06	1.00E-06	1.86E-02	2.93E-06	1.02E-06	1.86E-02	2.93E-06	1.02E-06
4639	490863.09, 3859877.25	8.99E-02	1.42E-05	4.93E-06	9.17E-02	1.45E-05	5.03E-06	9.16E-02	1.44E-05	5.03E-06
4640	491363.09, 3859877.25	2.88E-02	4.54E-06	1.58E-06	2.94E-02	4.63E-06	1.61E-06	2.93E-02	4.62E-06	1.61E-06
4641	491863.09, 3859877.25	1.49E-02	2.35E-06	8.20E-07	1.53E-02	2.40E-06	8.37E-07	1.52E-02	2.40E-06	8.36E-07
4642	492363.09, 3859877.25	1.00E-02	1.58E-06	5.51E-07	1.02E-02	1.61E-06	5.62E-07	1.02E-02	1.61E-06	5.61E-07
4643	492863.09, 3859877.25	6.95E-03	1.10E-06	3.82E-07	7.09E-03	1.12E-06	3.89E-07	7.09E-03	1.12E-06	3.89E-07
4644	493363.09, 3859877.25	5.36E-03	8.44E-07	2.94E-07	5.47E-03	8.61E-07	3.00E-07	5.46E-03	8.60E-07	3.00E-07
4645	493863.09, 3859877.25	4.25E-03	6.70E-07	2.33E-07	4.34E-03	6.84E-07	2.38E-07	4.34E-03	6.83E-07	2.38E-07
4646	494363.09, 3859877.25	3.34E-03	5.26E-07	1.83E-07	3.41E-03	5.37E-07	1.87E-07	3.41E-03	5.37E-07	1.87E-07

4647	494863.09, 3859877.25	2.85E-03	4.49E-07	1.56E-07	2.91E-03	4.58E-07	1.59E-07	2.90E-03	4.57E-07	1.59E-07
4648	495363.09, 3859877.25	2.39E-03	3.76E-07	1.31E-07	2.43E-03	3.84E-07	1.34E-07	2.43E-03	3.83E-07	1.33E-07
4649	495863.09, 3859877.25	2.02E-03	3.18E-07	1.11E-07	2.06E-03	3.24E-07	1.13E-07	2.06E-03	3.24E-07	1.13E-07
4650	496363.09, 3859877.25	1.64E-03	2.59E-07	9.01E-08	1.68E-03	2.64E-07	9.20E-08	1.67E-03	2.64E-07	9.19E-08
4651	496863.09, 3859877.25	1.18E-03	1.86E-07	6.50E-08	1.21E-03	1.90E-07	6.63E-08	1.21E-03	1.90E-07	6.62E-08
4652	497363.09, 3859877.25	1.31E-03	2.06E-07	7.17E-08	1.33E-03	2.10E-07	7.32E-08	1.33E-03	2.10E-07	7.31E-08
4653	497863.09, 3859877.25	1.42E-03	2.24E-07	7.82E-08	1.45E-03	2.29E-07	7.98E-08	1.45E-03	2.29E-07	7.97E-08
4654	498363.09, 3859877.25	1.42E-03	2.23E-07	7.78E-08	1.45E-03	2.28E-07	7.94E-08	1.44E-03	2.28E-07	7.93E-08
4655	471363.09, 3860377.25	2.67E-04	4.20E-08	1.46E-08	2.72E-04	4.29E-08	1.49E-08	2.72E-04	4.28E-08	1.49E-08
4656	471863.09, 3860377.25	2.75E-04	4.33E-08	1.51E-08	2.81E-04	4.42E-08	1.54E-08	2.80E-04	4.41E-08	1.54E-08
4657	472363.09, 3860377.25	2.84E-04	4.47E-08	1.56E-08	2.90E-04	4.57E-08	1.59E-08	2.90E-04	4.56E-08	1.59E-08
4658	472863.09, 3860377.25	2.94E-04	4.63E-08	1.61E-08	3.00E-04	4.72E-08	1.65E-08	2.99E-04	4.72E-08	1.64E-08
4659	473363.09, 3860377.25	3.03E-04	4.77E-08	1.66E-08	3.09E-04	4.86E-08	1.69E-08	3.08E-04	4.86E-08	1.69E-08
4660	473863.09, 3860377.25	3.10E-04	4.88E-08	1.70E-08	3.16E-04	4.98E-08	1.74E-08	3.16E-04	4.98E-08	1.73E-08
4661	474363.09, 3860377.25	3.12E-04	4.92E-08	1.71E-08	3.19E-04	5.02E-08	1.75E-08	3.18E-04	5.02E-08	1.75E-08
4662	474863.09, 3860377.25	3.07E-04	4.84E-08	1.69E-08	3.13E-04	4.94E-08	1.72E-08	3.13E-04	4.93E-08	1.72E-08
4663	475363.09, 3860377.25	2.83E-04	4.47E-08	1.56E-08	2.89E-04	4.56E-08	1.59E-08	2.89E-04	4.55E-08	1.59E-08
4664	475863.09, 3860377.25	2.51E-04	3.95E-08	1.38E-08	2.56E-04	4.03E-08	1.40E-08	2.56E-04	4.03E-08	1.40E-08
4665	476363.09, 3860377.25	2.07E-04	3.26E-08	1.14E-08	2.11E-04	3.33E-08	1.16E-08	2.11E-04	3.33E-08	1.16E-08
4666	476863.09, 3860377.25	1.88E-04	2.96E-08	1.03E-08	1.92E-04	3.02E-08	1.05E-08	1.92E-04	3.02E-08	1.05E-08
4667	477363.09, 3860377.25	1.15E-04	1.81E-08	6.31E-09	1.17E-04	1.85E-08	6.44E-09	1.17E-04	1.85E-08	6.43E-09
4668	477863.09, 3860377.25	1.45E-04	2.28E-08	7.94E-09	1.48E-04	2.33E-08	8.10E-09	1.47E-04	2.32E-08	8.09E-09
4669	478363.09, 3860377.25	2.37E-04	3.74E-08	1.30E-08	2.42E-04	3.82E-08	1.33E-08	2.42E-04	3.81E-08	1.33E-08
4670	478863.09, 3860377.25	2.99E-04	4.72E-08	1.64E-08	3.05E-04	4.81E-08	1.68E-08	3.05E-04	4.81E-08	1.67E-08
4671	479363.09, 3860377.25	3.53E-04	5.56E-08	1.94E-08	3.60E-04	5.67E-08	1.98E-08	3.60E-04	5.67E-08	1.97E-08
4672	479863.09, 3860377.25	3.90E-04	6.14E-08	2.14E-08	3.97E-04	6.26E-08	2.18E-08	3.97E-04	6.25E-08	2.18E-08
4673	480363.09, 3860377.25	4.13E-04	6.51E-08	2.27E-08	4.22E-04	6.65E-08	2.32E-08	4.21E-04	6.64E-08	2.31E-08
4674	480863.09, 3860377.25	4.30E-04	6.78E-08	2.36E-08	4.39E-04	6.92E-08	2.41E-08	4.38E-04	6.91E-08	2.41E-08
4675	481363.09, 3860377.25	4.40E-04	6.94E-08	2.42E-08	4.49E-04	7.08E-08	2.47E-08	4.49E-04	7.07E-08	2.46E-08
4676	481863.09, 3860377.25	4.55E-04	7.16E-08	2.50E-08	4.64E-04	7.31E-08	2.55E-08	4.63E-04	7.30E-08	2.54E-08
4677	482363.09, 3860377.25	4.70E-04	7.40E-08	2.58E-08	4.79E-04	7.55E-08	2.63E-08	4.79E-04	7.54E-08	2.63E-08
4678	482863.09, 3860377.25	4.86E-04	7.66E-08	2.67E-08	4.96E-04	7.82E-08	2.72E-08	4.96E-04	7.81E-08	2.72E-08
4679	483363.09, 3860377.25	5.14E-04	8.10E-08	2.82E-08	5.25E-04	8.27E-08	2.88E-08	5.24E-04	8.26E-08	2.88E-08
4680	483863.09, 3860377.25	5.50E-04	8.67E-08	3.02E-08	5.61E-04	8.84E-08	3.08E-08	5.61E-04	8.83E-08	3.08E-08
4681	484363.09, 3860377.25	5.91E-04	9.32E-08	3.25E-08	6.03E-04	9.51E-08	3.31E-08	6.03E-04	9.50E-08	3.31E-08
4682	484863.09, 3860377.25	6.40E-04	1.01E-07	3.51E-08	6.53E-04	1.03E-07	3.58E-08	6.52E-04	1.03E-07	3.58E-08
4683	485363.09, 3860377.25	7.00E-04	1.10E-07	3.84E-08	7.14E-04	1.13E-07	3.92E-08	7.14E-04	1.12E-07	3.92E-08
4684	485863.09, 3860377.25	7.87E-04	1.24E-07	4.32E-08	8.03E-04	1.26E-07	4.41E-08	8.02E-04	1.26E-07	4.40E-08
4685	486363.09, 3860377.25	8.96E-04	1.41E-07	4.92E-08	9.15E-04	1.44E-07	5.02E-08	9.14E-04	1.44E-07	5.01E-08
4686	486863.09, 3860377.25	1.03E-03	1.63E-07	5.66E-08	1.05E-03	1.66E-07	5.78E-08	1.05E-03	1.66E-07	5.77E-08
4687	487363.09, 3860377.25	1.21E-03	1.91E-07	6.65E-08	1.24E-03	1.95E-07	6.79E-08	1.24E-03	1.95E-07	6.78E-08
4688	487863.09, 3860377.25	1.50E-03	2.37E-07	8.26E-08	1.54E-03	2.42E-07	8.43E-08	1.53E-03	2.42E-07	8.42E-08
4689	488363.09, 3860377.25	1.90E-03	3.00E-07	1.04E-07	1.94E-03	3.06E-07	1.06E-07	1.94E-03	3.05E-07	1.06E-07
4690	488863.09, 3860377.25	2.43E-03	3.83E-07	1.33E-07	2.48E-03	3.91E-07	1.36E-07	2.48E-03	3.91E-07	1.36E-07
4691	489363.09, 3860377.25	3.11E-03	4.90E-07	1.71E-07	3.17E-03	5.00E-07	1.74E-07	3.17E-03	4.99E-07	1.74E-07
4692	489863.09, 3860377.25	4.12E-03	6.50E-07	2.26E-07	4.21E-03	6.63E-07	2.31E-07	4.20E-03	6.62E-07	2.31E-07
4693	490363.09, 3860377.25	5.51E-03	8.67E-07	3.02E-07	5.62E-03	8.85E-07	3.08E-07	5.61E-03	8.84E-07	3.08E-07
4694	490863.09, 3860377.25	8.12E-03	1.28E-06	4.46E-07	8.29E-03	1.31E-06	4.55E-07	8.28E-03	1.30E-06	4.54E-07
4695	491363.09, 3860377.25	1.80E-02	2.84E-06	9.89E-07	1.84E-02	2.90E-06	1.01E-06	1.84E-02	2.89E-06	1.01E-06
4696	491863.09, 3860377.25	3.61E-02	5.69E-06	1.98E-06	3.69E-02	5.81E-06	2.02E-06	3.68E-02	5.80E-06	2.02E-06
4697	492363.09, 3860377.25	1.52E-02	2.40E-06	8.36E-07	1.55E-02	2.45E-06	8.53E-07	1.55E-02	2.45E-06	8.52E-07
4698	492863.09, 3860377.25	8.99E-03	1.42E-06	4.93E-07	9.17E-03	1.44E-06	5.03E-07	9.16E-03	1.44E-06	5.03E-07
4699	493363.09, 3860377.25	6.07E-03	9.57E-07	3.33E-07	6.20E-03	9.76E-07	3.40E-07	6.19E-03	9.75E-07	3.40E-07
4700	493863.09, 3860377.25	4.71E-03	7.43E-07	2.59E-07	4.81E-03	7.58E-07	2.64E-07	4.81E-03	7.57E-07	2.64E-07
4701	494363.09, 3860377.25	3.72E-03	5.86E-07	2.04E-07	3.80E-03	5.98E-07	2.08E-07	3.79E-03	5.98E-07	2.08E-07
4702	494863.09, 3860377.25	3.15E-03	4.96E-07	1.73E-07	3.21E-03	5.06E-07	1.76E-07	3.21E-03	5.05E-07	1.76E-07
4703	495363.09, 3860377.25	2.64E-03	4.15E-07	1.45E-07	2.69E-03	4.24E-07	1.48E-07	2.69E-03	4.23E-07	1.47E-07
4704	495863.09, 3860377.25	2.11E-03	3.32E-07	1.16E-07	2.15E-03	3.39E-07	1.18E-07	2.15E-03	3.39E-07	1.18E-07
4705	496363.09, 3860377.25	1.70E-03	2.68E-07	9.32E-08	1.73E-03	2.73E-07	9.51E-08	1.73E-03	2.73E-07	9.50E-08
4706	496863.09, 3860377.25	1.43E-03	2.26E-07	7.86E-08	1.46E-03	2.30E-07	8.02E-08	1.46E-03	2.30E-07	8.02E-08
4707	497363.09, 3860377.25	1.19E-03	1.88E-07	6.54E-08	1.22E-03	1.91E-07	6.67E-08	1.21E-03	1.91E-07	6.66E-08
4708	497863.09, 3860377.25	1.30E-03	2.05E-07	7.14E-08	1.33E-03	2.09E-07	7.29E-08	1.33E-03	2.09E-07	7.28E-08

4709	498363.09, 3860377.25	1.34E-03	2.11E-07	7.36E-08	1.37E-03	2.16E-07	7.51E-08	1.37E-03	2.15E-07	7.50E-08
4710	471363.09, 3860877.25	2.59E-04	4.08E-08	1.42E-08	2.64E-04	4.16E-08	1.45E-08	2.64E-04	4.16E-08	1.45E-08
4711	471863.09, 3860877.25	2.67E-04	4.21E-08	1.47E-08	2.72E-04	4.29E-08	1.50E-08	2.72E-04	4.29E-08	1.49E-08
4712	472363.09, 3860877.25	2.75E-04	4.33E-08	1.51E-08	2.80E-04	4.41E-08	1.54E-08	2.80E-04	4.41E-08	1.54E-08
4713	472863.09, 3860877.25	2.83E-04	4.46E-08	1.55E-08	2.89E-04	4.55E-08	1.59E-08	2.89E-04	4.55E-08	1.58E-08
4714	473363.09, 3860877.25	2.91E-04	4.58E-08	1.59E-08	2.96E-04	4.67E-08	1.63E-08	2.96E-04	4.66E-08	1.63E-08
4715	473863.09, 3860877.25	2.98E-04	4.69E-08	1.63E-08	3.04E-04	4.78E-08	1.67E-08	3.03E-04	4.78E-08	1.66E-08
4716	474363.09, 3860877.25	3.04E-04	4.79E-08	1.67E-08	3.10E-04	4.89E-08	1.70E-08	3.10E-04	4.88E-08	1.70E-08
4717	474863.09, 3860877.25	3.10E-04	4.88E-08	1.70E-08	3.16E-04	4.98E-08	1.74E-08	3.16E-04	4.98E-08	1.73E-08
4718	475363.09, 3860877.25	3.09E-04	4.87E-08	1.70E-08	3.15E-04	4.97E-08	1.73E-08	3.15E-04	4.96E-08	1.73E-08
4719	475863.09, 3860877.25	3.01E-04	4.73E-08	1.65E-08	3.07E-04	4.83E-08	1.68E-08	3.06E-04	4.83E-08	1.68E-08
4720	476363.09, 3860877.25	2.79E-04	4.40E-08	1.53E-08	2.85E-04	4.49E-08	1.56E-08	2.85E-04	4.49E-08	1.56E-08
4721	476863.09, 3860877.25	2.69E-04	4.24E-08	1.48E-08	2.75E-04	4.32E-08	1.51E-08	2.74E-04	4.32E-08	1.50E-08
4722	477363.09, 3860877.25	2.71E-04	4.26E-08	1.48E-08	2.76E-04	4.35E-08	1.51E-08	2.76E-04	4.34E-08	1.51E-08
4723	477863.09, 3860877.25	2.44E-04	3.84E-08	1.34E-08	2.49E-04	3.92E-08	1.37E-08	2.49E-04	3.92E-08	1.36E-08
4724	478363.09, 3860877.25	1.64E-04	2.58E-08	8.99E-09	1.67E-04	2.63E-08	9.18E-09	1.67E-04	2.63E-08	9.16E-09
4725	478863.09, 3860877.25	2.79E-04	4.39E-08	1.53E-08	2.84E-04	4.48E-08	1.56E-08	2.84E-04	4.48E-08	1.56E-08
4726	479363.09, 3860877.25	3.37E-04	5.30E-08	1.85E-08	3.43E-04	5.41E-08	1.88E-08	3.43E-04	5.40E-08	1.88E-08
4727	479863.09, 3860877.25	3.71E-04	5.85E-08	2.04E-08	3.79E-04	5.97E-08	2.08E-08	3.78E-04	5.96E-08	2.08E-08
4728	480363.09, 3860877.25	3.94E-04	6.20E-08	2.16E-08	4.02E-04	6.33E-08	2.20E-08	4.01E-04	6.32E-08	2.20E-08
4729	480863.09, 3860877.25	4.06E-04	6.40E-08	2.23E-08	4.14E-04	6.53E-08	2.27E-08	4.14E-04	6.52E-08	2.27E-08
4730	481363.09, 3860877.25	4.17E-04	6.57E-08	2.29E-08	4.26E-04	6.71E-08	2.34E-08	4.25E-04	6.70E-08	2.33E-08
4731	481863.09, 3860877.25	4.30E-04	6.78E-08	2.36E-08	4.39E-04	6.92E-08	2.41E-08	4.38E-04	6.91E-08	2.41E-08
4732	482363.09, 3860877.25	4.47E-04	7.04E-08	2.45E-08	4.56E-04	7.19E-08	2.50E-08	4.56E-04	7.18E-08	2.50E-08
4733	482863.09, 3860877.25	4.66E-04	7.34E-08	2.56E-08	4.76E-04	7.49E-08	2.61E-08	4.75E-04	7.48E-08	2.61E-08
4734	483363.09, 3860877.25	4.93E-04	7.76E-08	2.70E-08	5.03E-04	7.92E-08	2.76E-08	5.02E-04	7.91E-08	2.76E-08
4735	483863.09, 3860877.25	5.28E-04	8.32E-08	2.90E-08	5.39E-04	8.49E-08	2.96E-08	5.38E-04	8.48E-08	2.96E-08
4736	484363.09, 3860877.25	5.71E-04	9.00E-08	3.14E-08	5.83E-04	9.18E-08	3.20E-08	5.82E-04	9.17E-08	3.20E-08
4737	484863.09, 3860877.25	6.13E-04	9.66E-08	3.37E-08	6.26E-04	9.86E-08	3.43E-08	6.25E-04	9.85E-08	3.43E-08
4738	485363.09, 3860877.25	6.72E-04	1.06E-07	3.69E-08	6.86E-04	1.08E-07	3.76E-08	6.85E-04	1.08E-07	3.76E-08
4739	485863.09, 3860877.25	7.43E-04	1.17E-07	4.08E-08	7.58E-04	1.19E-07	4.16E-08	7.57E-04	1.19E-07	4.16E-08
4740	486363.09, 3860877.25	8.17E-04	1.29E-07	4.48E-08	8.33E-04	1.31E-07	4.57E-08	8.33E-04	1.31E-07	4.57E-08
4741	486863.09, 3860877.25	9.20E-04	1.45E-07	5.05E-08	9.38E-04	1.48E-07	5.15E-08	9.37E-04	1.48E-07	5.14E-08
4742	487363.09, 3860877.25	1.06E-03	1.67E-07	5.81E-08	1.08E-03	1.70E-07	5.93E-08	1.08E-03	1.70E-07	5.92E-08
4743	487863.09, 3860877.25	1.24E-03	1.95E-07	6.79E-08	1.26E-03	1.99E-07	6.93E-08	1.26E-03	1.99E-07	6.92E-08
4744	488363.09, 3860877.25	1.51E-03	2.38E-07	8.28E-08	1.54E-03	2.43E-07	8.45E-08	1.54E-03	2.42E-07	8.44E-08
4745	488863.09, 3860877.25	1.75E-03	2.76E-07	9.61E-08	1.79E-03	2.82E-07	9.81E-08	1.79E-03	2.81E-07	9.80E-08
4746	489363.09, 3860877.25	2.11E-03	3.32E-07	1.16E-07	2.15E-03	3.39E-07	1.18E-07	2.15E-03	3.39E-07	1.18E-07
4747	489863.09, 3860877.25	2.40E-03	3.79E-07	1.32E-07	2.45E-03	3.86E-07	1.35E-07	2.45E-03	3.86E-07	1.34E-07
4748	490363.09, 3860877.25	2.90E-03	4.57E-07	1.59E-07	2.96E-03	4.67E-07	1.63E-07	2.96E-03	4.66E-07	1.62E-07
4749	490863.09, 3860877.25	3.56E-03	5.61E-07	1.95E-07	3.63E-03	5.72E-07	1.99E-07	3.63E-03	5.72E-07	1.99E-07
4750	491363.09, 3860877.25	4.28E-03	6.74E-07	2.35E-07	4.36E-03	6.88E-07	2.40E-07	4.36E-03	6.87E-07	2.39E-07
4751	491863.09, 3860877.25	4.65E-03	7.32E-07	2.55E-07	4.74E-03	7.47E-07	2.60E-07	4.74E-03	7.46E-07	2.60E-07
4752	492363.09, 3860877.25	4.50E-03	7.09E-07	2.47E-07	4.59E-03	7.23E-07	2.52E-07	4.59E-03	7.23E-07	2.52E-07
4753	492863.09, 3860877.25	4.37E-03	6.88E-07	2.40E-07	4.46E-03	7.02E-07	2.45E-07	4.45E-03	7.01E-07	2.44E-07
4754	493363.09, 3860877.25	3.88E-03	6.11E-07	2.13E-07	3.96E-03	6.24E-07	2.17E-07	3.96E-03	6.23E-07	2.17E-07
4755	493863.09, 3860877.25	3.29E-03	5.18E-07	1.81E-07	3.36E-03	5.29E-07	1.84E-07	3.35E-03	5.28E-07	1.84E-07
4756	494363.09, 3860877.25	2.84E-03	4.47E-07	1.56E-07	2.90E-03	4.56E-07	1.59E-07	2.89E-03	4.56E-07	1.59E-07
4757	494863.09, 3860877.25	2.49E-03	3.92E-07	1.37E-07	2.54E-03	4.00E-07	1.39E-07	2.54E-03	4.00E-07	1.39E-07
4758	495363.09, 3860877.25	2.22E-03	3.49E-07	1.22E-07	2.26E-03	3.56E-07	1.24E-07	2.26E-03	3.56E-07	1.24E-07
4759	495863.09, 3860877.25	1.98E-03	3.12E-07	1.09E-07	2.02E-03	3.18E-07	1.11E-07	2.02E-03	3.18E-07	1.11E-07
4760	496363.09, 3860877.25	1.79E-03	2.83E-07	9.85E-08	1.83E-03	2.88E-07	1.00E-07	1.83E-03	2.88E-07	1.00E-07
4761	496863.09, 3860877.25	1.52E-03	2.39E-07	8.34E-08	1.55E-03	2.44E-07	8.51E-08	1.55E-03	2.44E-07	8.50E-08
4762	497363.09, 3860877.25	1.40E-03	2.21E-07	7.70E-08	1.43E-03	2.25E-07	7.86E-08	1.43E-03	2.25E-07	7.85E-08
4763	497863.09, 3860877.25	1.27E-03	2.00E-07	6.97E-08	1.30E-03	2.04E-07	7.11E-08	1.29E-03	2.04E-07	7.10E-08
4764	498363.09, 3860877.25	1.25E-03	1.96E-07	6.84E-08	1.27E-03	2.00E-07	6.98E-08	1.27E-03	2.00E-07	6.97E-08
4765	471363.09, 3861377.25	2.52E-04	3.97E-08	1.38E-08	2.57E-04	4.05E-08	1.41E-08	2.57E-04	4.05E-08	1.41E-08
4766	471863.09, 3861377.25	2.59E-04	4.08E-08	1.42E-08	2.65E-04	4.17E-08	1.45E-08	2.64E-04	4.16E-08	1.45E-08
4767	472363.09, 3861377.25	2.66E-04	4.19E-08	1.46E-08	2.72E-04	4.28E-08	1.49E-08	2.71E-04	4.27E-08	1.49E-08
4768	472863.09, 3861377.25	2.73E-04	4.31E-08	1.50E-08	2.79E-04	4.40E-08	1.53E-08	2.79E-04	4.39E-08	1.53E-08
4769	473363.09, 3861377.25	2.80E-04	4.41E-08	1.54E-08	2.86E-04	4.50E-08	1.57E-08	2.86E-04	4.50E-08	1.57E-08
4770	473863.09, 3861377.25	2.87E-04	4.52E-08	1.57E-08	2.93E-04	4.61E-08	1.61E-08	2.92E-04	4.60E-08	1.60E-08

4771	474363.09, 3861377.25	2.94E-04	4.63E-08	1.61E-08	3.00E-04	4.73E-08	1.65E-08	3.00E-04	4.72E-08	1.64E-08
4772	474863.09, 3861377.25	2.99E-04	4.72E-08	1.64E-08	3.05E-04	4.81E-08	1.68E-08	3.05E-04	4.81E-08	1.67E-08
4773	475363.09, 3861377.25	3.07E-04	4.83E-08	1.68E-08	3.13E-04	4.93E-08	1.72E-08	3.13E-04	4.93E-08	1.72E-08
4774	475863.09, 3861377.25	3.09E-04	4.87E-08	1.70E-08	3.15E-04	4.97E-08	1.73E-08	3.15E-04	4.96E-08	1.73E-08
4775	476363.09, 3861377.25	3.07E-04	4.83E-08	1.68E-08	3.13E-04	4.93E-08	1.72E-08	3.13E-04	4.93E-08	1.72E-08
4776	476863.09, 3861377.25	3.04E-04	4.79E-08	1.67E-08	3.10E-04	4.88E-08	1.70E-08	3.10E-04	4.88E-08	1.70E-08
4777	477363.09, 3861377.25	3.03E-04	4.77E-08	1.66E-08	3.09E-04	4.86E-08	1.69E-08	3.08E-04	4.86E-08	1.69E-08
4778	477863.09, 3861377.25	2.69E-04	4.24E-08	1.48E-08	2.75E-04	4.33E-08	1.51E-08	2.74E-04	4.32E-08	1.51E-08
4779	478363.09, 3861377.25	1.88E-04	2.96E-08	1.03E-08	1.92E-04	3.02E-08	1.05E-08	1.92E-04	3.02E-08	1.05E-08
4780	478863.09, 3861377.25	2.16E-04	3.40E-08	1.19E-08	2.20E-04	3.47E-08	1.21E-08	2.20E-04	3.47E-08	1.21E-08
4781	479363.09, 3861377.25	3.11E-04	4.90E-08	1.71E-08	3.18E-04	5.00E-08	1.74E-08	3.17E-04	5.00E-08	1.74E-08
4782	479863.09, 3861377.25	3.51E-04	5.53E-08	1.93E-08	3.58E-04	5.64E-08	1.97E-08	3.58E-04	5.63E-08	1.96E-08
4783	480363.09, 3861377.25	3.76E-04	5.92E-08	2.06E-08	3.84E-04	6.04E-08	2.11E-08	3.83E-04	6.04E-08	2.10E-08
4784	480863.09, 3861377.25	3.87E-04	6.10E-08	2.13E-08	3.95E-04	6.23E-08	2.17E-08	3.95E-04	6.22E-08	2.17E-08
4785	481363.09, 3861377.25	3.99E-04	6.29E-08	2.19E-08	4.07E-04	6.42E-08	2.24E-08	4.07E-04	6.41E-08	2.23E-08
4786	481863.09, 3861377.25	4.14E-04	6.52E-08	2.27E-08	4.22E-04	6.66E-08	2.32E-08	4.22E-04	6.65E-08	2.32E-08
4787	482363.09, 3861377.25	4.31E-04	6.78E-08	2.36E-08	4.39E-04	6.92E-08	2.41E-08	4.39E-04	6.91E-08	2.41E-08
4788	482863.09, 3861377.25	4.49E-04	7.07E-08	2.46E-08	4.58E-04	7.22E-08	2.51E-08	4.58E-04	7.21E-08	2.51E-08
4789	483363.09, 3861377.25	4.74E-04	7.47E-08	2.60E-08	4.84E-04	7.62E-08	2.66E-08	4.83E-04	7.61E-08	2.65E-08
4790	483863.09, 3861377.25	5.10E-04	8.04E-08	2.80E-08	5.20E-04	8.20E-08	2.86E-08	5.20E-04	8.19E-08	2.85E-08
4791	484363.09, 3861377.25	5.49E-04	8.65E-08	3.01E-08	5.60E-04	8.83E-08	3.08E-08	5.60E-04	8.82E-08	3.07E-08
4792	484863.09, 3861377.25	5.87E-04	9.25E-08	3.22E-08	5.99E-04	9.44E-08	3.29E-08	5.99E-04	9.43E-08	3.28E-08
4793	485363.09, 3861377.25	6.22E-04	9.80E-08	3.42E-08	6.35E-04	1.00E-07	3.49E-08	6.34E-04	9.99E-08	3.48E-08
4794	485863.09, 3861377.25	6.75E-04	1.06E-07	3.70E-08	6.89E-04	1.08E-07	3.78E-08	6.88E-04	1.08E-07	3.77E-08
4795	486363.09, 3861377.25	7.36E-04	1.16E-07	4.04E-08	7.51E-04	1.18E-07	4.12E-08	7.50E-04	1.18E-07	4.12E-08
4796	486863.09, 3861377.25	8.17E-04	1.29E-07	4.48E-08	8.33E-04	1.31E-07	4.57E-08	8.33E-04	1.31E-07	4.57E-08
4797	487363.09, 3861377.25	9.18E-04	1.45E-07	5.04E-08	9.37E-04	1.48E-07	5.14E-08	9.36E-04	1.47E-07	5.13E-08
4798	487863.09, 3861377.25	1.04E-03	1.64E-07	5.70E-08	1.06E-03	1.67E-07	5.81E-08	1.06E-03	1.67E-07	5.81E-08
4799	488363.09, 3861377.25	1.16E-03	1.83E-07	6.39E-08	1.19E-03	1.87E-07	6.52E-08	1.19E-03	1.87E-07	6.51E-08
4800	488863.09, 3861377.25	1.33E-03	2.09E-07	7.28E-08	1.35E-03	2.13E-07	7.43E-08	1.35E-03	2.13E-07	7.42E-08
4801	489363.09, 3861377.25	1.47E-03	2.31E-07	8.06E-08	1.50E-03	2.36E-07	8.22E-08	1.50E-03	2.36E-07	8.21E-08
4802	489863.09, 3861377.25	1.64E-03	2.58E-07	8.98E-08	1.67E-03	2.63E-07	9.17E-08	1.67E-03	2.63E-07	9.16E-08
4803	490363.09, 3861377.25	1.77E-03	2.79E-07	9.72E-08	1.81E-03	2.85E-07	9.92E-08	1.80E-03	2.84E-07	9.90E-08
4804	490863.09, 3861377.25	1.94E-03	3.06E-07	1.07E-07	1.98E-03	3.12E-07	1.09E-07	1.98E-03	3.12E-07	1.09E-07
4805	491363.09, 3861377.25	2.04E-03	3.21E-07	1.12E-07	2.08E-03	3.28E-07	1.14E-07	2.08E-03	3.28E-07	1.14E-07
4806	491863.09, 3861377.25	2.01E-03	3.17E-07	1.10E-07	2.05E-03	3.23E-07	1.13E-07	2.05E-03	3.23E-07	1.12E-07
4807	492363.09, 3861377.25	2.03E-03	3.20E-07	1.11E-07	2.07E-03	3.26E-07	1.14E-07	2.07E-03	3.26E-07	1.14E-07
4808	492863.09, 3861377.25	1.96E-03	3.09E-07	1.08E-07	2.00E-03	3.15E-07	1.10E-07	2.00E-03	3.15E-07	1.10E-07
4809	493363.09, 3861377.25	2.02E-03	3.18E-07	1.11E-07	2.06E-03	3.25E-07	1.13E-07	2.06E-03	3.25E-07	1.13E-07
4810	493863.09, 3861377.25	1.97E-03	3.11E-07	1.08E-07	2.01E-03	3.17E-07	1.11E-07	2.01E-03	3.17E-07	1.10E-07
4811	494363.09, 3861377.25	1.84E-03	2.90E-07	1.01E-07	1.88E-03	2.96E-07	1.03E-07	1.88E-03	2.95E-07	1.03E-07
4812	494863.09, 3861377.25	1.72E-03	2.71E-07	9.43E-08	1.75E-03	2.76E-07	9.63E-08	1.75E-03	2.76E-07	9.62E-08
4813	495363.09, 3861377.25	1.60E-03	2.52E-07	8.80E-08	1.64E-03	2.58E-07	8.98E-08	1.63E-03	2.57E-07	8.96E-08
4814	495863.09, 3861377.25	1.49E-03	2.35E-07	8.17E-08	1.52E-03	2.39E-07	8.34E-08	1.52E-03	2.39E-07	8.33E-08
4815	496363.09, 3861377.25	1.41E-03	2.23E-07	7.76E-08	1.44E-03	2.27E-07	7.92E-08	1.44E-03	2.27E-07	7.91E-08
4816	496863.09, 3861377.25	1.35E-03	2.13E-07	7.41E-08	1.38E-03	2.17E-07	7.56E-08	1.38E-03	2.17E-07	7.55E-08
4817	497363.09, 3861377.25	1.27E-03	2.00E-07	6.96E-08	1.29E-03	2.04E-07	7.11E-08	1.29E-03	2.04E-07	7.10E-08
4818	497863.09, 3861377.25	1.19E-03	1.88E-07	6.56E-08	1.22E-03	1.92E-07	6.69E-08	1.22E-03	1.92E-07	6.68E-08
4819	498363.09, 3861377.25	1.13E-03	1.78E-07	6.21E-08	1.16E-03	1.82E-07	6.34E-08	1.15E-03	1.82E-07	6.33E-08
4820	471363.09, 3861877.25	2.43E-04	3.83E-08	1.34E-08	2.48E-04	3.91E-08	1.36E-08	2.48E-04	3.91E-08	1.36E-08
4821	471863.09, 3861877.25	2.49E-04	3.93E-08	1.37E-08	2.54E-04	4.01E-08	1.40E-08	2.54E-04	4.00E-08	1.39E-08
4822	472363.09, 3861877.25	2.55E-04	4.02E-08	1.40E-08	2.61E-04	4.11E-08	1.43E-08	2.60E-04	4.10E-08	1.43E-08
4823	472863.09, 3861877.25	2.62E-04	4.13E-08	1.44E-08	2.68E-04	4.22E-08	1.47E-08	2.67E-04	4.21E-08	1.47E-08
4824	473363.09, 3861877.25	2.69E-04	4.23E-08	1.47E-08	2.74E-04	4.32E-08	1.50E-08	2.74E-04	4.31E-08	1.50E-08
4825	473863.09, 3861877.25	2.75E-04	4.33E-08	1.51E-08	2.81E-04	4.42E-08	1.54E-08	2.80E-04	4.41E-08	1.54E-08
4826	474363.09, 3861877.25	2.81E-04	4.43E-08	1.54E-08	2.87E-04	4.52E-08	1.58E-08	2.87E-04	4.52E-08	1.57E-08
4827	474863.09, 3861877.25	2.87E-04	4.52E-08	1.58E-08	2.93E-04	4.61E-08	1.61E-08	2.93E-04	4.61E-08	1.61E-08
4828	475363.09, 3861877.25	2.92E-04	4.60E-08	1.60E-08	2.98E-04	4.70E-08	1.64E-08	2.98E-04	4.69E-08	1.64E-08
4829	475863.09, 3861877.25	2.97E-04	4.68E-08	1.63E-08	3.03E-04	4.78E-08	1.67E-08	3.03E-04	4.77E-08	1.66E-08
4830	476363.09, 3861877.25	3.01E-04	4.75E-08	1.65E-08	3.08E-04	4.85E-08	1.69E-08	3.07E-04	4.84E-08	1.69E-08
4831	476863.09, 3861877.25	3.03E-04	4.77E-08	1.66E-08	3.09E-04	4.87E-08	1.70E-08	3.09E-04	4.86E-08	1.69E-08
4832	477363.09, 3861877.25	3.02E-04	4.75E-08	1.66E-08	3.08E-04	4.85E-08	1.69E-08	3.08E-04	4.84E-08	1.69E-08

4833	477863.09, 3861877.25	2.61E-04	4.11E-08	1.43E-08	2.66E-04	4.19E-08	1.46E-08	2.66E-04	4.19E-08	1.46E-08
4834	478363.09, 3861877.25	1.59E-04	2.51E-08	8.73E-09	1.62E-04	2.56E-08	8.91E-09	1.62E-04	2.55E-08	8.90E-09
4835	478863.09, 3861877.25	2.27E-04	3.57E-08	1.24E-08	2.31E-04	3.64E-08	1.27E-08	2.31E-04	3.64E-08	1.27E-08
4836	479363.09, 3861877.25	2.10E-04	3.31E-08	1.15E-08	2.14E-04	3.38E-08	1.18E-08	2.14E-04	3.37E-08	1.18E-08
4837	479863.09, 3861877.25	3.32E-04	5.24E-08	1.82E-08	3.39E-04	5.34E-08	1.86E-08	3.39E-04	5.34E-08	1.86E-08
4838	480363.09, 3861877.25	3.59E-04	5.66E-08	1.97E-08	3.67E-04	5.78E-08	2.01E-08	3.66E-04	5.77E-08	2.01E-08
4839	480863.09, 3861877.25	3.70E-04	5.83E-08	2.03E-08	3.77E-04	5.94E-08	2.07E-08	3.77E-04	5.94E-08	2.07E-08
4840	481363.09, 3861877.25	3.81E-04	6.00E-08	2.09E-08	3.88E-04	6.12E-08	2.13E-08	3.88E-04	6.11E-08	2.13E-08
4841	481863.09, 3861877.25	3.94E-04	6.21E-08	2.16E-08	4.02E-04	6.34E-08	2.21E-08	4.02E-04	6.33E-08	2.21E-08
4842	482363.09, 3861877.25	4.10E-04	6.47E-08	2.25E-08	4.19E-04	6.60E-08	2.30E-08	4.18E-04	6.59E-08	2.30E-08
4843	482863.09, 3861877.25	4.31E-04	6.79E-08	2.36E-08	4.40E-04	6.93E-08	2.41E-08	4.39E-04	6.92E-08	2.41E-08
4844	483363.09, 3861877.25	4.56E-04	7.18E-08	2.50E-08	4.65E-04	7.32E-08	2.55E-08	4.64E-04	7.31E-08	2.55E-08
4845	483863.09, 3861877.25	4.84E-04	7.62E-08	2.65E-08	4.93E-04	7.77E-08	2.71E-08	4.93E-04	7.76E-08	2.70E-08
4846	484363.09, 3861877.25	5.12E-04	8.06E-08	2.81E-08	5.22E-04	8.23E-08	2.87E-08	5.22E-04	8.22E-08	2.86E-08
4847	484863.09, 3861877.25	5.44E-04	8.56E-08	2.98E-08	5.55E-04	8.74E-08	3.04E-08	5.54E-04	8.73E-08	3.04E-08
4848	485363.09, 3861877.25	5.78E-04	9.10E-08	3.17E-08	5.90E-04	9.29E-08	3.24E-08	5.89E-04	9.28E-08	3.23E-08
4849	485863.09, 3861877.25	6.12E-04	9.64E-08	3.36E-08	6.24E-04	9.83E-08	3.43E-08	6.23E-04	9.82E-08	3.42E-08
4850	486363.09, 3861877.25	6.61E-04	1.04E-07	3.63E-08	6.75E-04	1.06E-07	3.70E-08	6.74E-04	1.06E-07	3.70E-08
4851	486863.09, 3861877.25	7.23E-04	1.14E-07	3.97E-08	7.38E-04	1.16E-07	4.05E-08	7.37E-04	1.16E-07	4.05E-08
4852	487363.09, 3861877.25	7.98E-04	1.26E-07	4.38E-08	8.15E-04	1.28E-07	4.47E-08	8.14E-04	1.28E-07	4.47E-08
4853	487863.09, 3861877.25	8.74E-04	1.38E-07	4.80E-08	8.92E-04	1.40E-07	4.89E-08	8.91E-04	1.40E-07	4.89E-08
4854	488363.09, 3861877.25	9.54E-04	1.50E-07	5.23E-08	9.73E-04	1.53E-07	5.34E-08	9.72E-04	1.53E-07	5.33E-08
4855	488863.09, 3861877.25	1.03E-03	1.63E-07	5.67E-08	1.05E-03	1.66E-07	5.79E-08	1.05E-03	1.66E-07	5.78E-08
4856	489363.09, 3861877.25	1.09E-03	1.72E-07	5.99E-08	1.11E-03	1.75E-07	6.11E-08	1.11E-03	1.75E-07	6.10E-08
4857	489863.09, 3861877.25	1.17E-03	1.84E-07	6.40E-08	1.19E-03	1.88E-07	6.53E-08	1.19E-03	1.87E-07	6.53E-08
4858	490363.09, 3861877.25	1.22E-03	1.92E-07	6.70E-08	1.25E-03	1.96E-07	6.84E-08	1.24E-03	1.96E-07	6.83E-08
4859	490863.09, 3861877.25	1.27E-03	1.99E-07	6.95E-08	1.29E-03	2.03E-07	7.09E-08	1.29E-03	2.03E-07	7.08E-08
4860	491363.09, 3861877.25	1.28E-03	2.01E-07	7.01E-08	1.30E-03	2.05E-07	7.15E-08	1.30E-03	2.05E-07	7.14E-08
4861	491863.09, 3861877.25	1.28E-03	2.01E-07	7.01E-08	1.30E-03	2.05E-07	7.16E-08	1.30E-03	2.05E-07	7.15E-08
4862	492363.09, 3861877.25	1.26E-03	1.99E-07	6.94E-08	1.29E-03	2.03E-07	7.08E-08	1.29E-03	2.03E-07	7.08E-08
4863	492863.09, 3861877.25	1.27E-03	2.00E-07	6.97E-08	1.30E-03	2.04E-07	7.12E-08	1.30E-03	2.04E-07	7.11E-08
4864	493363.09, 3861877.25	1.23E-03	1.94E-07	6.75E-08	1.26E-03	1.98E-07	6.89E-08	1.25E-03	1.97E-07	6.88E-08
4865	493863.09, 3861877.25	1.21E-03	1.91E-07	6.64E-08	1.23E-03	1.94E-07	6.77E-08	1.23E-03	1.94E-07	6.77E-08
4866	494363.09, 3861877.25	1.25E-03	1.98E-07	6.88E-08	1.28E-03	2.02E-07	7.02E-08	1.28E-03	2.01E-07	7.02E-08
4867	494863.09, 3861877.25	1.24E-03	1.95E-07	6.81E-08	1.27E-03	1.99E-07	6.95E-08	1.26E-03	1.99E-07	6.94E-08
4868	495363.09, 3861877.25	1.18E-03	1.86E-07	6.48E-08	1.21E-03	1.90E-07	6.62E-08	1.20E-03	1.90E-07	6.61E-08
4869	495863.09, 3861877.25	1.12E-03	1.77E-07	6.16E-08	1.15E-03	1.81E-07	6.29E-08	1.14E-03	1.80E-07	6.28E-08
4870	496363.09, 3861877.25	1.08E-03	1.70E-07	5.91E-08	1.10E-03	1.73E-07	6.03E-08	1.10E-03	1.73E-07	6.03E-08
4871	496863.09, 3861877.25	1.08E-03	1.70E-07	5.91E-08	1.10E-03	1.73E-07	6.03E-08	1.10E-03	1.73E-07	6.02E-08
4872	497363.09, 3861877.25	1.01E-03	1.60E-07	5.56E-08	1.03E-03	1.63E-07	5.68E-08	1.03E-03	1.63E-07	5.67E-08
4873	497863.09, 3861877.25	9.63E-04	1.52E-07	5.28E-08	9.83E-04	1.55E-07	5.39E-08	9.81E-04	1.55E-07	5.39E-08
4874	498363.09, 3861877.25	9.24E-04	1.46E-07	5.07E-08	9.43E-04	1.49E-07	5.18E-08	9.42E-04	1.48E-07	5.17E-08
4875	471363.09, 3862377.25	2.33E-04	3.67E-08	1.28E-08	2.38E-04	3.74E-08	1.30E-08	2.37E-04	3.74E-08	1.30E-08
4876	471863.09, 3862377.25	2.38E-04	3.75E-08	1.31E-08	2.43E-04	3.83E-08	1.33E-08	2.43E-04	3.82E-08	1.33E-08
4877	472363.09, 3862377.25	2.44E-04	3.84E-08	1.34E-08	2.49E-04	3.92E-08	1.37E-08	2.49E-04	3.92E-08	1.36E-08
4878	472863.09, 3862377.25	2.50E-04	3.94E-08	1.37E-08	2.55E-04	4.02E-08	1.40E-08	2.55E-04	4.01E-08	1.40E-08
4879	473363.09, 3862377.25	2.56E-04	4.03E-08	1.41E-08	2.61E-04	4.12E-08	1.43E-08	2.61E-04	4.11E-08	1.43E-08
4880	473863.09, 3862377.25	2.62E-04	4.13E-08	1.44E-08	2.68E-04	4.22E-08	1.47E-08	2.67E-04	4.21E-08	1.47E-08
4881	474363.09, 3862377.25	2.68E-04	4.22E-08	1.47E-08	2.74E-04	4.31E-08	1.50E-08	2.73E-04	4.31E-08	1.50E-08
4882	474863.09, 3862377.25	2.72E-04	4.28E-08	1.49E-08	2.78E-04	4.37E-08	1.52E-08	2.77E-04	4.37E-08	1.52E-08
4883	475363.09, 3862377.25	2.77E-04	4.36E-08	1.52E-08	2.82E-04	4.45E-08	1.55E-08	2.82E-04	4.44E-08	1.55E-08
4884	475863.09, 3862377.25	2.81E-04	4.43E-08	1.54E-08	2.87E-04	4.52E-08	1.57E-08	2.87E-04	4.51E-08	1.57E-08
4885	476363.09, 3862377.25	2.86E-04	4.50E-08	1.57E-08	2.92E-04	4.59E-08	1.60E-08	2.91E-04	4.59E-08	1.60E-08
4886	476863.09, 3862377.25	2.91E-04	4.59E-08	1.60E-08	2.97E-04	4.68E-08	1.63E-08	2.97E-04	4.67E-08	1.63E-08
4887	477363.09, 3862377.25	2.93E-04	4.61E-08	1.61E-08	2.99E-04	4.70E-08	1.64E-08	2.98E-04	4.70E-08	1.64E-08
4888	477863.09, 3862377.25	2.67E-04	4.20E-08	1.46E-08	2.72E-04	4.29E-08	1.49E-08	2.72E-04	4.28E-08	1.49E-08
4889	478363.09, 3862377.25	2.31E-04	3.64E-08	1.27E-08	2.36E-04	3.72E-08	1.30E-08	2.36E-04	3.71E-08	1.29E-08
4890	478863.09, 3862377.25	2.37E-04	3.74E-08	1.30E-08	2.42E-04	3.82E-08	1.33E-08	2.42E-04	3.81E-08	1.33E-08
4891	479363.09, 3862377.25	2.63E-04	4.14E-08	1.44E-08	2.68E-04	4.23E-08	1.47E-08	2.68E-04	4.22E-08	1.47E-08
4892	479863.09, 3862377.25	3.25E-04	5.12E-08	1.78E-08	3.32E-04	5.22E-08	1.82E-08	3.31E-04	5.22E-08	1.82E-08
4893	480363.09, 3862377.25	3.44E-04	5.42E-08	1.89E-08	3.51E-04	5.53E-08	1.93E-08	3.50E-04	5.52E-08	1.92E-08
4894	480863.09, 3862377.25	3.53E-04	5.56E-08	1.94E-08	3.60E-04	5.67E-08	1.98E-08	3.60E-04	5.67E-08	1.97E-08

4895	481363.09, 3862377.25	3.65E-04	5.75E-08	2.00E-08	3.73E-04	5.87E-08	2.04E-08	3.72E-04	5.86E-08	2.04E-08
4896	481863.09, 3862377.25	3.80E-04	5.98E-08	2.08E-08	3.88E-04	6.11E-08	2.13E-08	3.87E-04	6.10E-08	2.12E-08
4897	482363.09, 3862377.25	3.96E-04	6.24E-08	2.17E-08	4.04E-04	6.37E-08	2.22E-08	4.04E-04	6.36E-08	2.22E-08
4898	482863.09, 3862377.25	4.13E-04	6.50E-08	2.26E-08	4.21E-04	6.63E-08	2.31E-08	4.20E-04	6.62E-08	2.31E-08
4899	483363.09, 3862377.25	4.30E-04	6.78E-08	2.36E-08	4.39E-04	6.92E-08	2.41E-08	4.38E-04	6.91E-08	2.41E-08
4900	483863.09, 3862377.25	4.51E-04	7.10E-08	2.47E-08	4.60E-04	7.25E-08	2.52E-08	4.59E-04	7.24E-08	2.52E-08
4901	484363.09, 3862377.25	4.76E-04	7.50E-08	2.61E-08	4.86E-04	7.65E-08	2.67E-08	4.85E-04	7.64E-08	2.66E-08
4902	484863.09, 3862377.25	5.01E-04	7.89E-08	2.75E-08	5.11E-04	8.05E-08	2.81E-08	5.11E-04	8.04E-08	2.80E-08
4903	485363.09, 3862377.25	5.25E-04	8.27E-08	2.88E-08	5.36E-04	8.44E-08	2.94E-08	5.35E-04	8.43E-08	2.94E-08
4904	485863.09, 3862377.25	5.56E-04	8.76E-08	3.05E-08	5.67E-04	8.94E-08	3.11E-08	5.67E-04	8.93E-08	3.11E-08
4905	486363.09, 3862377.25	5.91E-04	9.31E-08	3.24E-08	6.03E-04	9.50E-08	3.31E-08	6.02E-04	9.49E-08	3.30E-08
4906	486863.09, 3862377.25	6.35E-04	1.00E-07	3.49E-08	6.48E-04	1.02E-07	3.56E-08	6.48E-04	1.02E-07	3.55E-08
4907	487363.09, 3862377.25	6.86E-04	1.08E-07	3.77E-08	7.00E-04	1.10E-07	3.84E-08	6.99E-04	1.10E-07	3.84E-08
4908	487863.09, 3862377.25	7.36E-04	1.16E-07	4.04E-08	7.51E-04	1.18E-07	4.12E-08	7.50E-04	1.18E-07	4.12E-08
4909	488363.09, 3862377.25	7.83E-04	1.23E-07	4.30E-08	7.99E-04	1.26E-07	4.38E-08	7.98E-04	1.26E-07	4.38E-08
4910	488863.09, 3862377.25	8.31E-04	1.31E-07	4.56E-08	8.48E-04	1.34E-07	4.66E-08	8.47E-04	1.33E-07	4.65E-08
4911	489363.09, 3862377.25	8.77E-04	1.38E-07	4.81E-08	8.95E-04	1.41E-07	4.91E-08	8.94E-04	1.41E-07	4.91E-08
4912	489863.09, 3862377.25	9.21E-04	1.45E-07	5.05E-08	9.40E-04	1.48E-07	5.16E-08	9.39E-04	1.48E-07	5.15E-08
4913	490363.09, 3862377.25	9.54E-04	1.50E-07	5.24E-08	9.74E-04	1.53E-07	5.34E-08	9.72E-04	1.53E-07	5.34E-08
4914	490863.09, 3862377.25	9.53E-04	1.50E-07	5.23E-08	9.72E-04	1.53E-07	5.34E-08	9.71E-04	1.53E-07	5.33E-08
4915	491363.09, 3862377.25	9.43E-04	1.49E-07	5.18E-08	9.62E-04	1.52E-07	5.28E-08	9.61E-04	1.51E-07	5.27E-08
4916	491863.09, 3862377.25	9.23E-04	1.45E-07	5.07E-08	9.42E-04	1.48E-07	5.17E-08	9.41E-04	1.48E-07	5.16E-08
4917	492363.09, 3862377.25	9.32E-04	1.47E-07	5.12E-08	9.51E-04	1.50E-07	5.22E-08	9.50E-04	1.50E-07	5.22E-08
4918	492863.09, 3862377.25	9.46E-04	1.49E-07	5.19E-08	9.65E-04	1.52E-07	5.30E-08	9.64E-04	1.52E-07	5.29E-08
4919	493363.09, 3862377.25	9.39E-04	1.48E-07	5.15E-08	9.58E-04	1.51E-07	5.26E-08	9.57E-04	1.51E-07	5.25E-08
4920	493863.09, 3862377.25	9.07E-04	1.43E-07	4.98E-08	9.25E-04	1.46E-07	5.08E-08	9.24E-04	1.46E-07	5.07E-08
4921	494363.09, 3862377.25	8.71E-04	1.37E-07	4.78E-08	8.89E-04	1.40E-07	4.88E-08	8.87E-04	1.40E-07	4.87E-08
4922	494863.09, 3862377.25	8.90E-04	1.40E-07	4.89E-08	9.08E-04	1.43E-07	4.99E-08	9.07E-04	1.43E-07	4.98E-08
4923	495363.09, 3862377.25	9.04E-04	1.42E-07	4.96E-08	9.23E-04	1.45E-07	5.06E-08	9.22E-04	1.45E-07	5.06E-08
4924	495863.09, 3862377.25	8.87E-04	1.40E-07	4.87E-08	9.05E-04	1.43E-07	4.97E-08	9.04E-04	1.42E-07	4.96E-08
4925	496363.09, 3862377.25	8.51E-04	1.34E-07	4.67E-08	8.69E-04	1.37E-07	4.77E-08	8.68E-04	1.37E-07	4.76E-08
4926	496863.09, 3862377.25	8.31E-04	1.31E-07	4.56E-08	8.48E-04	1.34E-07	4.65E-08	8.47E-04	1.33E-07	4.65E-08
4927	497363.09, 3862377.25	7.96E-04	1.25E-07	4.37E-08	8.12E-04	1.28E-07	4.46E-08	8.11E-04	1.28E-07	4.45E-08
4928	497863.09, 3862377.25	7.69E-04	1.21E-07	4.22E-08	7.85E-04	1.24E-07	4.31E-08	7.84E-04	1.23E-07	4.30E-08
4929	498363.09, 3862377.25	7.42E-04	1.17E-07	4.07E-08	7.57E-04	1.19E-07	4.15E-08	7.56E-04	1.19E-07	4.15E-08
4930	471363.09, 3862877.25	2.22E-04	3.50E-08	1.22E-08	2.27E-04	3.57E-08	1.24E-08	2.26E-04	3.57E-08	1.24E-08
4931	471863.09, 3862877.25	2.27E-04	3.57E-08	1.25E-08	2.32E-04	3.65E-08	1.27E-08	2.31E-04	3.64E-08	1.27E-08
4932	472363.09, 3862877.25	2.32E-04	3.66E-08	1.27E-08	2.37E-04	3.73E-08	1.30E-08	2.37E-04	3.73E-08	1.30E-08
4933	472863.09, 3862877.25	2.38E-04	3.75E-08	1.31E-08	2.43E-04	3.82E-08	1.33E-08	2.42E-04	3.82E-08	1.33E-08
4934	473363.09, 3862877.25	2.44E-04	3.84E-08	1.34E-08	2.49E-04	3.92E-08	1.37E-08	2.49E-04	3.92E-08	1.36E-08
4935	473863.09, 3862877.25	2.50E-04	3.93E-08	1.37E-08	2.55E-04	4.01E-08	1.40E-08	2.54E-04	4.01E-08	1.40E-08
4936	474363.09, 3862877.25	2.55E-04	4.02E-08	1.40E-08	2.60E-04	4.10E-08	1.43E-08	2.60E-04	4.09E-08	1.43E-08
4937	474863.09, 3862877.25	2.59E-04	4.08E-08	1.42E-08	2.64E-04	4.16E-08	1.45E-08	2.64E-04	4.16E-08	1.45E-08
4938	475363.09, 3862877.25	2.63E-04	4.15E-08	1.45E-08	2.69E-04	4.23E-08	1.48E-08	2.68E-04	4.23E-08	1.47E-08
4939	475863.09, 3862877.25	2.68E-04	4.22E-08	1.47E-08	2.73E-04	4.31E-08	1.50E-08	2.73E-04	4.30E-08	1.50E-08
4940	476363.09, 3862877.25	2.73E-04	4.30E-08	1.50E-08	2.78E-04	4.39E-08	1.53E-08	2.78E-04	4.38E-08	1.53E-08
4941	476863.09, 3862877.25	2.78E-04	4.39E-08	1.53E-08	2.84E-04	4.48E-08	1.56E-08	2.84E-04	4.47E-08	1.56E-08
4942	477363.09, 3862877.25	2.83E-04	4.46E-08	1.55E-08	2.89E-04	4.55E-08	1.58E-08	2.88E-04	4.54E-08	1.58E-08
4943	477863.09, 3862877.25	2.78E-04	4.39E-08	1.53E-08	2.84E-04	4.48E-08	1.56E-08	2.84E-04	4.47E-08	1.56E-08
4944	478363.09, 3862877.25	2.48E-04	3.91E-08	1.36E-08	2.53E-04	3.99E-08	1.39E-08	2.53E-04	3.99E-08	1.39E-08
4945	478863.09, 3862877.25	2.53E-04	3.99E-08	1.39E-08	2.59E-04	4.07E-08	1.42E-08	2.58E-04	4.07E-08	1.42E-08
4946	479363.09, 3862877.25	2.63E-04	4.15E-08	1.45E-08	2.69E-04	4.23E-08	1.48E-08	2.68E-04	4.23E-08	1.47E-08
4947	479863.09, 3862877.25	3.20E-04	5.04E-08	1.76E-08	3.27E-04	5.14E-08	1.79E-08	3.26E-04	5.14E-08	1.79E-08
4948	480363.09, 3862877.25	3.31E-04	5.21E-08	1.82E-08	3.38E-04	5.32E-08	1.85E-08	3.37E-04	5.31E-08	1.85E-08
4949	480863.09, 3862877.25	3.41E-04	5.38E-08	1.87E-08	3.48E-04	5.49E-08	1.91E-08	3.48E-04	5.48E-08	1.91E-08
4950	481363.09, 3862877.25	3.52E-04	5.55E-08	1.93E-08	3.60E-04	5.67E-08	1.97E-08	3.59E-04	5.66E-08	1.97E-08
4951	481863.09, 3862877.25	3.65E-04	5.75E-08	2.00E-08	3.72E-04	5.86E-08	2.04E-08	3.72E-04	5.86E-08	2.04E-08
4952	482363.09, 3862877.25	3.76E-04	5.92E-08	2.06E-08	3.84E-04	6.04E-08	2.11E-08	3.83E-04	6.04E-08	2.10E-08
4953	482863.09, 3862877.25	3.88E-04	6.12E-08	2.13E-08	3.96E-04	6.24E-08	2.17E-08	3.96E-04	6.24E-08	2.17E-08
4954	483363.09, 3862877.25	4.03E-04	6.35E-08	2.21E-08	4.11E-04	6.48E-08	2.26E-08	4.11E-04	6.47E-08	2.25E-08
4955	483863.09, 3862877.25	4.20E-04	6.62E-08	2.31E-08	4.29E-04	6.75E-08	2.35E-08	4.28E-04	6.75E-08	2.35E-08
4956	484363.09, 3862877.25	4.39E-04	6.92E-08	2.41E-08	4.48E-04	7.06E-08	2.46E-08	4.48E-04	7.05E-08	2.46E-08

4957	484863.09, 3862877.25	4.56E-04	7.18E-08	2.50E-08	4.65E-04	7.32E-08	2.55E-08	4.64E-04	7.31E-08	2.55E-08
4958	485363.09, 3862877.25	4.76E-04	7.49E-08	2.61E-08	4.85E-04	7.65E-08	2.66E-08	4.85E-04	7.64E-08	2.66E-08
4959	485863.09, 3862877.25	4.99E-04	7.86E-08	2.74E-08	5.09E-04	8.02E-08	2.79E-08	5.08E-04	8.01E-08	2.79E-08
4960	486363.09, 3862877.25	5.29E-04	8.33E-08	2.90E-08	5.40E-04	8.50E-08	2.96E-08	5.39E-04	8.49E-08	2.96E-08
4961	486863.09, 3862877.25	5.59E-04	8.80E-08	3.07E-08	5.70E-04	8.98E-08	3.13E-08	5.69E-04	8.97E-08	3.13E-08
4962	487363.09, 3862877.25	5.90E-04	9.29E-08	3.24E-08	6.02E-04	9.48E-08	3.30E-08	6.01E-04	9.47E-08	3.30E-08
4963	487863.09, 3862877.25	6.24E-04	9.82E-08	3.42E-08	6.36E-04	1.00E-07	3.49E-08	6.35E-04	1.00E-07	3.49E-08
4964	488363.09, 3862877.25	6.62E-04	1.04E-07	3.63E-08	6.76E-04	1.06E-07	3.71E-08	6.75E-04	1.06E-07	3.70E-08
4965	488863.09, 3862877.25	6.97E-04	1.10E-07	3.83E-08	7.11E-04	1.12E-07	3.90E-08	7.11E-04	1.12E-07	3.90E-08
4966	489363.09, 3862877.25	7.23E-04	1.14E-07	3.97E-08	7.38E-04	1.16E-07	4.05E-08	7.37E-04	1.16E-07	4.05E-08
4967	489863.09, 3862877.25	7.46E-04	1.18E-07	4.09E-08	7.61E-04	1.20E-07	4.18E-08	7.60E-04	1.20E-07	4.17E-08
4968	490363.09, 3862877.25	7.56E-04	1.19E-07	4.15E-08	7.72E-04	1.22E-07	4.23E-08	7.71E-04	1.21E-07	4.23E-08
4969	490863.09, 3862877.25	7.50E-04	1.18E-07	4.12E-08	7.66E-04	1.21E-07	4.20E-08	7.65E-04	1.20E-07	4.20E-08
4970	491363.09, 3862877.25	7.50E-04	1.18E-07	4.11E-08	7.65E-04	1.21E-07	4.20E-08	7.64E-04	1.20E-07	4.19E-08
4971	491863.09, 3862877.25	7.29E-04	1.15E-07	4.00E-08	7.44E-04	1.17E-07	4.08E-08	7.43E-04	1.17E-07	4.08E-08
4972	492363.09, 3862877.25	7.35E-04	1.16E-07	4.03E-08	7.50E-04	1.18E-07	4.11E-08	7.49E-04	1.18E-07	4.11E-08
4973	492863.09, 3862877.25	7.33E-04	1.15E-07	4.02E-08	7.47E-04	1.18E-07	4.10E-08	7.47E-04	1.18E-07	4.10E-08
4974	493363.09, 3862877.25	7.48E-04	1.18E-07	4.10E-08	7.63E-04	1.20E-07	4.19E-08	7.62E-04	1.20E-07	4.18E-08
4975	493863.09, 3862877.25	7.45E-04	1.17E-07	4.09E-08	7.61E-04	1.20E-07	4.18E-08	7.60E-04	1.20E-07	4.17E-08
4976	494363.09, 3862877.25	7.22E-04	1.14E-07	3.96E-08	7.37E-04	1.16E-07	4.04E-08	7.36E-04	1.16E-07	4.04E-08
4977	494863.09, 3862877.25	6.83E-04	1.08E-07	3.75E-08	6.97E-04	1.10E-07	3.82E-08	6.96E-04	1.10E-07	3.82E-08
4978	495363.09, 3862877.25	6.75E-04	1.06E-07	3.71E-08	6.89E-04	1.09E-07	3.78E-08	6.88E-04	1.08E-07	3.78E-08
4979	495863.09, 3862877.25	6.95E-04	1.09E-07	3.81E-08	7.09E-04	1.12E-07	3.89E-08	7.08E-04	1.12E-07	3.89E-08
4980	496363.09, 3862877.25	7.05E-04	1.11E-07	3.87E-08	7.20E-04	1.13E-07	3.95E-08	7.19E-04	1.13E-07	3.94E-08
4981	496863.09, 3862877.25	6.91E-04	1.09E-07	3.79E-08	7.05E-04	1.11E-07	3.87E-08	7.05E-04	1.11E-07	3.87E-08
4982	497363.09, 3862877.25	6.66E-04	1.05E-07	3.65E-08	6.79E-04	1.07E-07	3.73E-08	6.78E-04	1.07E-07	3.72E-08
4983	497863.09, 3862877.25	6.44E-04	1.01E-07	3.53E-08	6.57E-04	1.03E-07	3.61E-08	6.56E-04	1.03E-07	3.60E-08
4984	498363.09, 3862877.25	6.28E-04	9.90E-08	3.45E-08	6.41E-04	1.01E-07	3.52E-08	6.40E-04	1.01E-07	3.51E-08
4985	471363.09, 3863377.25	2.12E-04	3.34E-08	1.16E-08	2.16E-04	3.41E-08	1.19E-08	2.16E-04	3.41E-08	1.19E-08
4986	471863.09, 3863377.25	2.17E-04	3.42E-08	1.19E-08	2.21E-04	3.49E-08	1.21E-08	2.21E-04	3.48E-08	1.21E-08
4987	472363.09, 3863377.25	2.22E-04	3.50E-08	1.22E-08	2.27E-04	3.57E-08	1.24E-08	2.26E-04	3.57E-08	1.24E-08
4988	472863.09, 3863377.25	2.28E-04	3.59E-08	1.25E-08	2.32E-04	3.66E-08	1.28E-08	2.32E-04	3.66E-08	1.27E-08
4989	473363.09, 3863377.25	2.33E-04	3.68E-08	1.28E-08	2.38E-04	3.75E-08	1.31E-08	2.38E-04	3.75E-08	1.31E-08
4990	473863.09, 3863377.25	2.39E-04	3.76E-08	1.31E-08	2.44E-04	3.84E-08	1.34E-08	2.44E-04	3.84E-08	1.34E-08
4991	474363.09, 3863377.25	2.44E-04	3.84E-08	1.34E-08	2.49E-04	3.92E-08	1.37E-08	2.49E-04	3.92E-08	1.36E-08
4992	474863.09, 3863377.25	2.48E-04	3.91E-08	1.36E-08	2.53E-04	3.99E-08	1.39E-08	2.53E-04	3.99E-08	1.39E-08
4993	475363.09, 3863377.25	2.53E-04	3.98E-08	1.39E-08	2.58E-04	4.06E-08	1.42E-08	2.58E-04	4.06E-08	1.41E-08
4994	475863.09, 3863377.25	2.58E-04	4.06E-08	1.42E-08	2.63E-04	4.14E-08	1.44E-08	2.63E-04	4.14E-08	1.44E-08
4995	476363.09, 3863377.25	2.63E-04	4.15E-08	1.44E-08	2.69E-04	4.23E-08	1.47E-08	2.68E-04	4.22E-08	1.47E-08
4996	476863.09, 3863377.25	2.68E-04	4.22E-08	1.47E-08	2.74E-04	4.31E-08	1.50E-08	2.73E-04	4.31E-08	1.50E-08
4997	477363.09, 3863377.25	2.73E-04	4.31E-08	1.50E-08	2.79E-04	4.40E-08	1.53E-08	2.79E-04	4.39E-08	1.53E-08
4998	477863.09, 3863377.25	2.76E-04	4.35E-08	1.52E-08	2.82E-04	4.44E-08	1.55E-08	2.81E-04	4.43E-08	1.54E-08
4999	478363.09, 3863377.25	2.68E-04	4.21E-08	1.47E-08	2.73E-04	4.30E-08	1.50E-08	2.73E-04	4.30E-08	1.50E-08
5000	478863.09, 3863377.25	2.78E-04	4.37E-08	1.52E-08	2.83E-04	4.46E-08	1.55E-08	2.83E-04	4.46E-08	1.55E-08
5001	479363.09, 3863377.25	2.98E-04	4.69E-08	1.63E-08	3.04E-04	4.78E-08	1.67E-08	3.03E-04	4.78E-08	1.66E-08
5002	479863.09, 3863377.25	3.11E-04	4.90E-08	1.71E-08	3.17E-04	5.00E-08	1.74E-08	3.17E-04	4.99E-08	1.74E-08
5003	480363.09, 3863377.25	3.19E-04	5.03E-08	1.75E-08	3.26E-04	5.13E-08	1.79E-08	3.25E-04	5.12E-08	1.79E-08
5004	480863.09, 3863377.25	3.28E-04	5.17E-08	1.80E-08	3.35E-04	5.27E-08	1.84E-08	3.34E-04	5.27E-08	1.83E-08
5005	481363.09, 3863377.25	3.36E-04	5.29E-08	1.84E-08	3.43E-04	5.40E-08	1.88E-08	3.42E-04	5.39E-08	1.88E-08
5006	481863.09, 3863377.25	3.44E-04	5.42E-08	1.89E-08	3.51E-04	5.53E-08	1.93E-08	3.50E-04	5.52E-08	1.92E-08
5007	482363.09, 3863377.25	3.52E-04	5.55E-08	1.93E-08	3.60E-04	5.67E-08	1.97E-08	3.59E-04	5.66E-08	1.97E-08
5008	482863.09, 3863377.25	3.62E-04	5.70E-08	1.98E-08	3.69E-04	5.81E-08	2.02E-08	3.68E-04	5.81E-08	2.02E-08
5009	483363.09, 3863377.25	3.73E-04	5.88E-08	2.05E-08	3.81E-04	6.00E-08	2.09E-08	3.80E-04	5.99E-08	2.09E-08
5010	483863.09, 3863377.25	3.86E-04	6.08E-08	2.12E-08	3.94E-04	6.21E-08	2.16E-08	3.93E-04	6.20E-08	2.16E-08
5011	484363.09, 3863377.25	3.99E-04	6.29E-08	2.19E-08	4.07E-04	6.41E-08	2.23E-08	4.07E-04	6.41E-08	2.23E-08
5012	484863.09, 3863377.25	4.15E-04	6.53E-08	2.28E-08	4.23E-04	6.66E-08	2.32E-08	4.23E-04	6.66E-08	2.32E-08
5013	485363.09, 3863377.25	4.31E-04	6.79E-08	2.36E-08	4.40E-04	6.93E-08	2.41E-08	4.39E-04	6.92E-08	2.41E-08
5014	485863.09, 3863377.25	4.49E-04	7.07E-08	2.46E-08	4.58E-04	7.22E-08	2.51E-08	4.58E-04	7.21E-08	2.51E-08
5015	486363.09, 3863377.25	4.70E-04	7.40E-08	2.58E-08	4.79E-04	7.55E-08	2.63E-08	4.79E-04	7.54E-08	2.63E-08
5016	486863.09, 3863377.25	4.92E-04	7.76E-08	2.70E-08	5.02E-04	7.92E-08	2.76E-08	5.02E-04	7.91E-08	2.75E-08
5017	487363.09, 3863377.25	5.16E-04	8.13E-08	2.83E-08	5.27E-04	8.30E-08	2.89E-08	5.26E-04	8.29E-08	2.89E-08
5018	487863.09, 3863377.25	5.45E-04	8.58E-08	2.99E-08	5.56E-04	8.76E-08	3.05E-08	5.55E-04	8.75E-08	3.05E-08

5019	488363.09, 3863377.25	5.72E-04	9.01E-08	3.14E-08	5.84E-04	9.19E-08	3.20E-08	5.83E-04	9.18E-08	3.20E-08
5020	488863.09, 3863377.25	5.96E-04	9.40E-08	3.27E-08	6.09E-04	9.59E-08	3.34E-08	6.08E-04	9.58E-08	3.34E-08
5021	489363.09, 3863377.25	6.11E-04	9.62E-08	3.35E-08	6.23E-04	9.81E-08	3.42E-08	6.22E-04	9.80E-08	3.42E-08
5022	489863.09, 3863377.25	6.17E-04	9.72E-08	3.39E-08	6.30E-04	9.92E-08	3.46E-08	6.29E-04	9.91E-08	3.45E-08
5023	490363.09, 3863377.25	6.19E-04	9.76E-08	3.40E-08	6.32E-04	9.96E-08	3.47E-08	6.31E-04	9.94E-08	3.46E-08
5024	490863.09, 3863377.25	6.20E-04	9.76E-08	3.40E-08	6.32E-04	9.96E-08	3.47E-08	6.32E-04	9.95E-08	3.47E-08
5025	491363.09, 3863377.25	6.06E-04	9.54E-08	3.32E-08	6.18E-04	9.74E-08	3.39E-08	6.17E-04	9.73E-08	3.39E-08
5026	491863.09, 3863377.25	5.98E-04	9.43E-08	3.28E-08	6.11E-04	9.62E-08	3.35E-08	6.10E-04	9.61E-08	3.35E-08
5027	492363.09, 3863377.25	6.13E-04	9.65E-08	3.36E-08	6.25E-04	9.85E-08	3.43E-08	6.24E-04	9.84E-08	3.43E-08
5028	492863.09, 3863377.25	6.22E-04	9.79E-08	3.41E-08	6.34E-04	9.99E-08	3.48E-08	6.34E-04	9.98E-08	3.48E-08
5029	493363.09, 3863377.25	6.30E-04	9.92E-08	3.46E-08	6.43E-04	1.01E-07	3.53E-08	6.42E-04	1.01E-07	3.52E-08
5030	493863.09, 3863377.25	6.33E-04	9.97E-08	3.47E-08	6.46E-04	1.02E-07	3.54E-08	6.45E-04	1.02E-07	3.54E-08
5031	494363.09, 3863377.25	6.26E-04	9.86E-08	3.44E-08	6.39E-04	1.01E-07	3.51E-08	6.38E-04	1.01E-07	3.50E-08
5032	494863.09, 3863377.25	6.11E-04	9.62E-08	3.35E-08	6.23E-04	9.82E-08	3.42E-08	6.23E-04	9.81E-08	3.42E-08
5033	495363.09, 3863377.25	5.86E-04	9.23E-08	3.22E-08	5.98E-04	9.42E-08	3.28E-08	5.97E-04	9.41E-08	3.28E-08
5034	495863.09, 3863377.25	5.75E-04	9.05E-08	3.15E-08	5.86E-04	9.24E-08	3.22E-08	5.86E-04	9.23E-08	3.21E-08
5035	496363.09, 3863377.25	5.65E-04	8.91E-08	3.10E-08	5.77E-04	9.09E-08	3.17E-08	5.76E-04	9.08E-08	3.16E-08
5036	496863.09, 3863377.25	5.66E-04	8.92E-08	3.11E-08	5.78E-04	9.10E-08	3.17E-08	5.77E-04	9.09E-08	3.17E-08
5037	497363.09, 3863377.25	5.70E-04	8.98E-08	3.13E-08	5.82E-04	9.17E-08	3.19E-08	5.81E-04	9.15E-08	3.19E-08
5038	497863.09, 3863377.25	5.62E-04	8.85E-08	3.08E-08	5.73E-04	9.03E-08	3.15E-08	5.72E-04	9.02E-08	3.14E-08
5039	498363.09, 3863377.25	5.45E-04	8.59E-08	2.99E-08	5.56E-04	8.76E-08	3.05E-08	5.56E-04	8.75E-08	3.05E-08
5040	471363.09, 3863877.25	2.04E-04	3.21E-08	1.12E-08	2.08E-04	3.28E-08	1.14E-08	2.08E-04	3.27E-08	1.14E-08
5041	471863.09, 3863877.25	2.09E-04	3.29E-08	1.14E-08	2.13E-04	3.35E-08	1.17E-08	2.13E-04	3.35E-08	1.17E-08
5042	472363.09, 3863877.25	2.14E-04	3.37E-08	1.18E-08	2.19E-04	3.44E-08	1.20E-08	2.18E-04	3.44E-08	1.20E-08
5043	472863.09, 3863877.25	2.20E-04	3.46E-08	1.21E-08	2.24E-04	3.53E-08	1.23E-08	2.24E-04	3.53E-08	1.23E-08
5044	473363.09, 3863877.25	2.25E-04	3.55E-08	1.24E-08	2.30E-04	3.62E-08	1.26E-08	2.29E-04	3.61E-08	1.26E-08
5045	473863.09, 3863877.25	2.30E-04	3.63E-08	1.26E-08	2.35E-04	3.70E-08	1.29E-08	2.35E-04	3.70E-08	1.29E-08
5046	474363.09, 3863877.25	2.35E-04	3.70E-08	1.29E-08	2.40E-04	3.78E-08	1.32E-08	2.40E-04	3.78E-08	1.32E-08
5047	474863.09, 3863877.25	2.39E-04	3.77E-08	1.31E-08	2.44E-04	3.85E-08	1.34E-08	2.44E-04	3.84E-08	1.34E-08
5048	475363.09, 3863877.25	2.44E-04	3.84E-08	1.34E-08	2.49E-04	3.92E-08	1.36E-08	2.48E-04	3.91E-08	1.36E-08
5049	475863.09, 3863877.25	2.48E-04	3.91E-08	1.36E-08	2.53E-04	3.99E-08	1.39E-08	2.53E-04	3.98E-08	1.39E-08
5050	476363.09, 3863877.25	2.53E-04	3.98E-08	1.39E-08	2.58E-04	4.06E-08	1.42E-08	2.58E-04	4.06E-08	1.41E-08
5051	476863.09, 3863877.25	2.57E-04	4.05E-08	1.41E-08	2.62E-04	4.14E-08	1.44E-08	2.62E-04	4.13E-08	1.44E-08
5052	477363.09, 3863877.25	2.62E-04	4.13E-08	1.44E-08	2.68E-04	4.22E-08	1.47E-08	2.67E-04	4.21E-08	1.47E-08
5053	477863.09, 3863877.25	2.68E-04	4.21E-08	1.47E-08	2.73E-04	4.30E-08	1.50E-08	2.73E-04	4.30E-08	1.50E-08
5054	478363.09, 3863877.25	2.67E-04	4.20E-08	1.46E-08	2.72E-04	4.29E-08	1.49E-08	2.72E-04	4.28E-08	1.49E-08
5055	478863.09, 3863877.25	2.82E-04	4.44E-08	1.55E-08	2.88E-04	4.53E-08	1.58E-08	2.87E-04	4.53E-08	1.58E-08
5056	479363.09, 3863877.25	2.92E-04	4.60E-08	1.60E-08	2.98E-04	4.69E-08	1.64E-08	2.98E-04	4.69E-08	1.63E-08
5057	479863.09, 3863877.25	2.99E-04	4.71E-08	1.64E-08	3.05E-04	4.81E-08	1.67E-08	3.05E-04	4.80E-08	1.67E-08
5058	480363.09, 3863877.25	3.04E-04	4.80E-08	1.67E-08	3.11E-04	4.89E-08	1.70E-08	3.10E-04	4.89E-08	1.70E-08
5059	480863.09, 3863877.25	3.10E-04	4.88E-08	1.70E-08	3.16E-04	4.98E-08	1.74E-08	3.16E-04	4.98E-08	1.73E-08
5060	481363.09, 3863877.25	3.15E-04	4.97E-08	1.73E-08	3.22E-04	5.07E-08	1.77E-08	3.21E-04	5.06E-08	1.76E-08
5061	481863.09, 3863877.25	3.21E-04	5.06E-08	1.76E-08	3.28E-04	5.16E-08	1.80E-08	3.27E-04	5.16E-08	1.80E-08
5062	482363.09, 3863877.25	3.28E-04	5.17E-08	1.80E-08	3.35E-04	5.27E-08	1.84E-08	3.34E-04	5.27E-08	1.83E-08
5063	482863.09, 3863877.25	3.34E-04	5.27E-08	1.84E-08	3.41E-04	5.38E-08	1.87E-08	3.41E-04	5.37E-08	1.87E-08
5064	483363.09, 3863877.25	3.43E-04	5.40E-08	1.88E-08	3.50E-04	5.51E-08	1.92E-08	3.49E-04	5.50E-08	1.92E-08
5065	483863.09, 3863877.25	3.53E-04	5.57E-08	1.94E-08	3.61E-04	5.68E-08	1.98E-08	3.60E-04	5.67E-08	1.98E-08
5066	484363.09, 3863877.25	3.64E-04	5.74E-08	2.00E-08	3.72E-04	5.85E-08	2.04E-08	3.71E-04	5.85E-08	2.04E-08
5067	484863.09, 3863877.25	3.78E-04	5.95E-08	2.07E-08	3.85E-04	6.07E-08	2.12E-08	3.85E-04	6.07E-08	2.11E-08
5068	485363.09, 3863877.25	3.90E-04	6.15E-08	2.14E-08	3.98E-04	6.27E-08	2.18E-08	3.98E-04	6.26E-08	2.18E-08
5069	485863.09, 3863877.25	4.05E-04	6.38E-08	2.22E-08	4.13E-04	6.51E-08	2.27E-08	4.13E-04	6.51E-08	2.27E-08
5070	486363.09, 3863877.25	4.22E-04	6.65E-08	2.32E-08	4.31E-04	6.78E-08	2.36E-08	4.30E-04	6.78E-08	2.36E-08
5071	486863.09, 3863877.25	4.41E-04	6.95E-08	2.42E-08	4.50E-04	7.10E-08	2.47E-08	4.50E-04	7.09E-08	2.47E-08
5072	487363.09, 3863877.25	4.60E-04	7.25E-08	2.53E-08	4.70E-04	7.40E-08	2.58E-08	4.69E-04	7.39E-08	2.57E-08
5073	487863.09, 3863877.25	4.81E-04	7.58E-08	2.64E-08	4.91E-04	7.74E-08	2.69E-08	4.90E-04	7.73E-08	2.69E-08
5074	488363.09, 3863877.25	5.01E-04	7.90E-08	2.75E-08	5.11E-04	8.06E-08	2.81E-08	5.11E-04	8.05E-08	2.80E-08
5075	488863.09, 3863877.25	5.18E-04	8.17E-08	2.84E-08	5.29E-04	8.33E-08	2.90E-08	5.28E-04	8.32E-08	2.90E-08
5076	489363.09, 3863877.25	5.24E-04	8.26E-08	2.88E-08	5.35E-04	8.43E-08	2.94E-08	5.34E-04	8.42E-08	2.93E-08
5077	489863.09, 3863877.25	5.24E-04	8.26E-08	2.88E-08	5.35E-04	8.43E-08	2.94E-08	5.34E-04	8.42E-08	2.93E-08
5078	490363.09, 3863877.25	5.23E-04	8.24E-08	2.87E-08	5.34E-04	8.41E-08	2.93E-08	5.33E-04	8.40E-08	2.93E-08
5079	490863.09, 3863877.25	5.23E-04	8.23E-08	2.87E-08	5.33E-04	8.40E-08	2.93E-08	5.33E-04	8.39E-08	2.92E-08
5080	491363.09, 3863877.25	5.14E-04	8.10E-08	2.82E-08	5.24E-04	8.26E-08	2.88E-08	5.24E-04	8.25E-08	2.87E-08

5081	491863.09, 3863877.25	5.21E-04	8.20E-08	2.86E-08	5.31E-04	8.37E-08	2.92E-08	5.31E-04	8.36E-08	2.91E-08
5082	492363.09, 3863877.25	5.18E-04	8.16E-08	2.84E-08	5.28E-04	8.32E-08	2.90E-08	5.28E-04	8.31E-08	2.90E-08
5083	492863.09, 3863877.25	4.83E-04	7.61E-08	2.65E-08	4.93E-04	7.77E-08	2.71E-08	4.93E-04	7.76E-08	2.70E-08
5084	493363.09, 3863877.25	4.91E-04	7.74E-08	2.70E-08	5.02E-04	7.90E-08	2.75E-08	5.01E-04	7.89E-08	2.75E-08
5085	493863.09, 3863877.25	5.09E-04	8.02E-08	2.79E-08	5.20E-04	8.19E-08	2.85E-08	5.19E-04	8.18E-08	2.85E-08
5086	494363.09, 3863877.25	5.29E-04	8.34E-08	2.90E-08	5.40E-04	8.51E-08	2.96E-08	5.39E-04	8.50E-08	2.96E-08
5087	494863.09, 3863877.25	5.27E-04	8.30E-08	2.89E-08	5.38E-04	8.47E-08	2.95E-08	5.37E-04	8.46E-08	2.95E-08
5088	495363.09, 3863877.25	5.22E-04	8.22E-08	2.86E-08	5.33E-04	8.39E-08	2.92E-08	5.32E-04	8.38E-08	2.92E-08
5089	495863.09, 3863877.25	4.97E-04	7.82E-08	2.72E-08	5.07E-04	7.98E-08	2.78E-08	5.06E-04	7.97E-08	2.78E-08
5090	496363.09, 3863877.25	4.81E-04	7.58E-08	2.64E-08	4.91E-04	7.74E-08	2.69E-08	4.90E-04	7.73E-08	2.69E-08
5091	496863.09, 3863877.25	4.74E-04	7.47E-08	2.60E-08	4.84E-04	7.62E-08	2.66E-08	4.83E-04	7.61E-08	2.65E-08
5092	497363.09, 3863877.25	4.77E-04	7.52E-08	2.62E-08	4.87E-04	7.67E-08	2.67E-08	4.86E-04	7.66E-08	2.67E-08
5093	497863.09, 3863877.25	4.85E-04	7.64E-08	2.66E-08	4.95E-04	7.80E-08	2.72E-08	4.94E-04	7.79E-08	2.71E-08
5094	498363.09, 3863877.25	4.83E-04	7.60E-08	2.65E-08	4.93E-04	7.76E-08	2.70E-08	4.92E-04	7.75E-08	2.70E-08
5095	471363.09, 3864377.25	1.97E-04	3.11E-08	1.08E-08	2.01E-04	3.17E-08	1.11E-08	2.01E-04	3.17E-08	1.10E-08
5096	471863.09, 3864377.25	2.02E-04	3.19E-08	1.11E-08	2.07E-04	3.25E-08	1.13E-08	2.06E-04	3.25E-08	1.13E-08
5097	472363.09, 3864377.25	2.08E-04	3.27E-08	1.14E-08	2.12E-04	3.34E-08	1.16E-08	2.12E-04	3.34E-08	1.16E-08
5098	472863.09, 3864377.25	2.13E-04	3.36E-08	1.17E-08	2.17E-04	3.42E-08	1.19E-08	2.17E-04	3.42E-08	1.19E-08
5099	473363.09, 3864377.25	2.18E-04	3.43E-08	1.20E-08	2.22E-04	3.50E-08	1.22E-08	2.22E-04	3.50E-08	1.22E-08
5100	473863.09, 3864377.25	2.22E-04	3.50E-08	1.22E-08	2.27E-04	3.58E-08	1.25E-08	2.27E-04	3.57E-08	1.24E-08
5101	474363.09, 3864377.25	2.27E-04	3.57E-08	1.24E-08	2.31E-04	3.64E-08	1.27E-08	2.31E-04	3.64E-08	1.27E-08
5102	474863.09, 3864377.25	2.31E-04	3.63E-08	1.27E-08	2.35E-04	3.71E-08	1.29E-08	2.35E-04	3.70E-08	1.29E-08
5103	475363.09, 3864377.25	2.35E-04	3.70E-08	1.29E-08	2.40E-04	3.78E-08	1.32E-08	2.39E-04	3.77E-08	1.31E-08
5104	475863.09, 3864377.25	2.39E-04	3.76E-08	1.31E-08	2.44E-04	3.84E-08	1.34E-08	2.44E-04	3.84E-08	1.34E-08
5105	476363.09, 3864377.25	2.43E-04	3.83E-08	1.33E-08	2.48E-04	3.91E-08	1.36E-08	2.48E-04	3.90E-08	1.36E-08
5106	476863.09, 3864377.25	2.48E-04	3.90E-08	1.36E-08	2.53E-04	3.98E-08	1.39E-08	2.53E-04	3.98E-08	1.39E-08
5107	477363.09, 3864377.25	2.53E-04	3.98E-08	1.39E-08	2.58E-04	4.06E-08	1.41E-08	2.57E-04	4.05E-08	1.41E-08
5108	477863.09, 3864377.25	2.58E-04	4.07E-08	1.42E-08	2.63E-04	4.15E-08	1.45E-08	2.63E-04	4.14E-08	1.44E-08
5109	478363.09, 3864377.25	2.65E-04	4.17E-08	1.45E-08	2.70E-04	4.26E-08	1.48E-08	2.70E-04	4.25E-08	1.48E-08
5110	478863.09, 3864377.25	2.72E-04	4.29E-08	1.49E-08	2.78E-04	4.38E-08	1.52E-08	2.78E-04	4.37E-08	1.52E-08
5111	479363.09, 3864377.25	2.78E-04	4.38E-08	1.53E-08	2.84E-04	4.47E-08	1.56E-08	2.84E-04	4.47E-08	1.56E-08
5112	479863.09, 3864377.25	2.83E-04	4.45E-08	1.55E-08	2.88E-04	4.54E-08	1.58E-08	2.88E-04	4.54E-08	1.58E-08
5113	480363.09, 3864377.25	2.86E-04	4.51E-08	1.57E-08	2.92E-04	4.60E-08	1.60E-08	2.92E-04	4.60E-08	1.60E-08
5114	480863.09, 3864377.25	2.89E-04	4.56E-08	1.59E-08	2.95E-04	4.65E-08	1.62E-08	2.95E-04	4.65E-08	1.62E-08
5115	481363.09, 3864377.25	2.94E-04	4.63E-08	1.61E-08	3.00E-04	4.73E-08	1.65E-08	3.00E-04	4.72E-08	1.64E-08
5116	481863.09, 3864377.25	2.99E-04	4.71E-08	1.64E-08	3.05E-04	4.81E-08	1.67E-08	3.05E-04	4.80E-08	1.67E-08
5117	482363.09, 3864377.25	3.04E-04	4.79E-08	1.67E-08	3.10E-04	4.88E-08	1.70E-08	3.10E-04	4.88E-08	1.70E-08
5118	482863.09, 3864377.25	3.09E-04	4.86E-08	1.69E-08	3.15E-04	4.96E-08	1.73E-08	3.15E-04	4.96E-08	1.73E-08
5119	483363.09, 3864377.25	3.15E-04	4.96E-08	1.73E-08	3.21E-04	5.06E-08	1.76E-08	3.21E-04	5.05E-08	1.76E-08
5120	483863.09, 3864377.25	3.23E-04	5.08E-08	1.77E-08	3.29E-04	5.19E-08	1.81E-08	3.29E-04	5.18E-08	1.80E-08
5121	484363.09, 3864377.25	3.33E-04	5.24E-08	1.83E-08	3.39E-04	5.35E-08	1.86E-08	3.39E-04	5.34E-08	1.86E-08
5122	484863.09, 3864377.25	3.43E-04	5.40E-08	1.88E-08	3.50E-04	5.51E-08	1.92E-08	3.49E-04	5.50E-08	1.92E-08
5123	485363.09, 3864377.25	3.55E-04	5.59E-08	1.95E-08	3.62E-04	5.70E-08	1.99E-08	3.62E-04	5.70E-08	1.98E-08
5124	485863.09, 3864377.25	3.70E-04	5.83E-08	2.03E-08	3.77E-04	5.94E-08	2.07E-08	3.77E-04	5.94E-08	2.07E-08
5125	486363.09, 3864377.25	3.86E-04	6.08E-08	2.12E-08	3.94E-04	6.20E-08	2.16E-08	3.93E-04	6.19E-08	2.16E-08
5126	486863.09, 3864377.25	3.99E-04	6.29E-08	2.19E-08	4.07E-04	6.42E-08	2.24E-08	4.07E-04	6.41E-08	2.23E-08
5127	487363.09, 3864377.25	4.14E-04	6.52E-08	2.27E-08	4.22E-04	6.66E-08	2.32E-08	4.22E-04	6.65E-08	2.32E-08
5128	487863.09, 3864377.25	4.30E-04	6.78E-08	2.36E-08	4.39E-04	6.92E-08	2.41E-08	4.38E-04	6.91E-08	2.41E-08
5129	488363.09, 3864377.25	4.44E-04	6.99E-08	2.44E-08	4.53E-04	7.13E-08	2.49E-08	4.52E-04	7.13E-08	2.48E-08
5130	488863.09, 3864377.25	4.55E-04	7.16E-08	2.50E-08	4.64E-04	7.31E-08	2.55E-08	4.63E-04	7.30E-08	2.54E-08
5131	489363.09, 3864377.25	4.57E-04	7.20E-08	2.51E-08	4.67E-04	7.35E-08	2.56E-08	4.66E-04	7.34E-08	2.56E-08
5132	489863.09, 3864377.25	4.54E-04	7.16E-08	2.49E-08	4.64E-04	7.30E-08	2.54E-08	4.63E-04	7.30E-08	2.54E-08
5133	490363.09, 3864377.25	4.54E-04	7.15E-08	2.49E-08	4.63E-04	7.29E-08	2.54E-08	4.63E-04	7.29E-08	2.54E-08
5134	490863.09, 3864377.25	4.55E-04	7.17E-08	2.50E-08	4.65E-04	7.32E-08	2.55E-08	4.64E-04	7.31E-08	2.55E-08
5135	491363.09, 3864377.25	4.56E-04	7.19E-08	2.50E-08	4.65E-04	7.33E-08	2.55E-08	4.65E-04	7.32E-08	2.55E-08
5136	491863.09, 3864377.25	2.12E-04	3.34E-08	1.16E-08	2.16E-04	3.41E-08	1.19E-08	2.16E-04	3.41E-08	1.19E-08
5137	492363.09, 3864377.25	3.49E-04	5.51E-08	1.92E-08	3.57E-04	5.62E-08	1.96E-08	3.56E-04	5.61E-08	1.95E-08
5138	492863.09, 3864377.25	2.41E-04	3.79E-08	1.32E-08	2.46E-04	3.87E-08	1.35E-08	2.45E-04	3.87E-08	1.35E-08
5139	493363.09, 3864377.25	3.25E-04	5.12E-08	1.78E-08	3.31E-04	5.22E-08	1.82E-08	3.31E-04	5.21E-08	1.82E-08
5140	493863.09, 3864377.25	3.95E-04	6.23E-08	2.17E-08	4.04E-04	6.36E-08	2.21E-08	4.03E-04	6.35E-08	2.21E-08
5141	494363.09, 3864377.25	4.28E-04	6.74E-08	2.35E-08	4.37E-04	6.88E-08	2.40E-08	4.36E-04	6.87E-08	2.39E-08
5142	494863.09, 3864377.25	4.54E-04	7.15E-08	2.49E-08	4.63E-04	7.29E-08	2.54E-08	4.63E-04	7.29E-08	2.54E-08

5143	495363.09, 3864377.25	4.55E-04	7.17E-08	2.50E-08	4.65E-04	7.32E-08	2.55E-08	4.64E-04	7.31E-08	2.55E-08
5144	495863.09, 3864377.25	4.52E-04	7.13E-08	2.48E-08	4.62E-04	7.27E-08	2.53E-08	4.61E-04	7.26E-08	2.53E-08
5145	496363.09, 3864377.25	4.32E-04	6.81E-08	2.37E-08	4.41E-04	6.95E-08	2.42E-08	4.41E-04	6.94E-08	2.42E-08
5146	496863.09, 3864377.25	4.17E-04	6.57E-08	2.29E-08	4.26E-04	6.71E-08	2.34E-08	4.25E-04	6.70E-08	2.33E-08
5147	497363.09, 3864377.25	4.10E-04	6.45E-08	2.25E-08	4.18E-04	6.58E-08	2.29E-08	4.17E-04	6.58E-08	2.29E-08
5148	497863.09, 3864377.25	4.13E-04	6.51E-08	2.27E-08	4.22E-04	6.64E-08	2.31E-08	4.21E-04	6.63E-08	2.31E-08
5149	498363.09, 3864377.25	4.15E-04	6.55E-08	2.28E-08	4.24E-04	6.68E-08	2.33E-08	4.23E-04	6.67E-08	2.32E-08
5150	471363.09, 3864877.25	1.92E-04	3.03E-08	1.05E-08	1.96E-04	3.09E-08	1.08E-08	1.96E-04	3.08E-08	1.07E-08
5151	471863.09, 3864877.25	1.97E-04	3.10E-08	1.08E-08	2.01E-04	3.16E-08	1.10E-08	2.01E-04	3.16E-08	1.10E-08
5152	472363.09, 3864877.25	2.02E-04	3.18E-08	1.11E-08	2.06E-04	3.24E-08	1.13E-08	2.06E-04	3.24E-08	1.13E-08
5153	472863.09, 3864877.25	2.07E-04	3.25E-08	1.13E-08	2.11E-04	3.32E-08	1.16E-08	2.11E-04	3.32E-08	1.16E-08
5154	473363.09, 3864877.25	2.11E-04	3.32E-08	1.16E-08	2.15E-04	3.39E-08	1.18E-08	2.15E-04	3.38E-08	1.18E-08
5155	473863.09, 3864877.25	2.15E-04	3.38E-08	1.18E-08	2.19E-04	3.45E-08	1.20E-08	2.19E-04	3.44E-08	1.20E-08
5156	474363.09, 3864877.25	2.19E-04	3.44E-08	1.20E-08	2.23E-04	3.51E-08	1.22E-08	2.23E-04	3.51E-08	1.22E-08
5157	474863.09, 3864877.25	2.22E-04	3.50E-08	1.22E-08	2.27E-04	3.57E-08	1.24E-08	2.26E-04	3.57E-08	1.24E-08
5158	475363.09, 3864877.25	2.26E-04	3.56E-08	1.24E-08	2.31E-04	3.63E-08	1.27E-08	2.30E-04	3.63E-08	1.26E-08
5159	475863.09, 3864877.25	2.30E-04	3.62E-08	1.26E-08	2.34E-04	3.69E-08	1.29E-08	2.34E-04	3.69E-08	1.28E-08
5160	476363.09, 3864877.25	2.33E-04	3.68E-08	1.28E-08	2.38E-04	3.75E-08	1.31E-08	2.38E-04	3.75E-08	1.31E-08
5161	476863.09, 3864877.25	2.39E-04	3.76E-08	1.31E-08	2.44E-04	3.84E-08	1.34E-08	2.43E-04	3.83E-08	1.34E-08
5162	477363.09, 3864877.25	2.43E-04	3.83E-08	1.33E-08	2.48E-04	3.91E-08	1.36E-08	2.48E-04	3.90E-08	1.36E-08
5163	477863.09, 3864877.25	2.48E-04	3.90E-08	1.36E-08	2.53E-04	3.98E-08	1.39E-08	2.53E-04	3.98E-08	1.39E-08
5164	478363.09, 3864877.25	2.53E-04	3.98E-08	1.39E-08	2.58E-04	4.06E-08	1.42E-08	2.58E-04	4.06E-08	1.41E-08
5165	478863.09, 3864877.25	2.58E-04	4.06E-08	1.41E-08	2.63E-04	4.14E-08	1.44E-08	2.62E-04	4.14E-08	1.44E-08
5166	479363.09, 3864877.25	2.62E-04	4.12E-08	1.44E-08	2.67E-04	4.21E-08	1.47E-08	2.67E-04	4.20E-08	1.46E-08
5167	479863.09, 3864877.25	2.64E-04	4.16E-08	1.45E-08	2.70E-04	4.25E-08	1.48E-08	2.69E-04	4.24E-08	1.48E-08
5168	480363.09, 3864877.25	2.68E-04	4.21E-08	1.47E-08	2.73E-04	4.30E-08	1.50E-08	2.73E-04	4.30E-08	1.50E-08
5169	480863.09, 3864877.25	2.71E-04	4.26E-08	1.48E-08	2.76E-04	4.35E-08	1.51E-08	2.76E-04	4.34E-08	1.51E-08
5170	481363.09, 3864877.25	2.75E-04	4.33E-08	1.51E-08	2.80E-04	4.41E-08	1.54E-08	2.80E-04	4.41E-08	1.54E-08
5171	481863.09, 3864877.25	2.78E-04	4.38E-08	1.53E-08	2.84E-04	4.47E-08	1.56E-08	2.83E-04	4.46E-08	1.55E-08
5172	482363.09, 3864877.25	2.81E-04	4.43E-08	1.54E-08	2.87E-04	4.52E-08	1.58E-08	2.87E-04	4.52E-08	1.57E-08
5173	482863.09, 3864877.25	2.85E-04	4.48E-08	1.56E-08	2.90E-04	4.58E-08	1.59E-08	2.90E-04	4.57E-08	1.59E-08
5174	483363.09, 3864877.25	2.89E-04	4.55E-08	1.58E-08	2.95E-04	4.64E-08	1.62E-08	2.94E-04	4.64E-08	1.62E-08
5175	483863.09, 3864877.25	2.95E-04	4.65E-08	1.62E-08	3.01E-04	4.75E-08	1.65E-08	3.01E-04	4.74E-08	1.65E-08
5176	484363.09, 3864877.25	3.05E-04	4.80E-08	1.67E-08	3.11E-04	4.90E-08	1.71E-08	3.11E-04	4.90E-08	1.71E-08
5177	484863.09, 3864877.25	3.16E-04	4.98E-08	1.74E-08	3.23E-04	5.08E-08	1.77E-08	3.22E-04	5.08E-08	1.77E-08
5178	485363.09, 3864877.25	3.29E-04	5.19E-08	1.81E-08	3.36E-04	5.30E-08	1.84E-08	3.36E-04	5.29E-08	1.84E-08
5179	485863.09, 3864877.25	3.42E-04	5.38E-08	1.88E-08	3.49E-04	5.49E-08	1.91E-08	3.48E-04	5.49E-08	1.91E-08
5180	486363.09, 3864877.25	3.53E-04	5.56E-08	1.94E-08	3.60E-04	5.67E-08	1.98E-08	3.60E-04	5.67E-08	1.97E-08
5181	486863.09, 3864877.25	3.63E-04	5.71E-08	1.99E-08	3.70E-04	5.83E-08	2.03E-08	3.70E-04	5.82E-08	2.03E-08
5182	487363.09, 3864877.25	3.75E-04	5.90E-08	2.06E-08	3.82E-04	6.03E-08	2.10E-08	3.82E-04	6.02E-08	2.10E-08
5183	487863.09, 3864877.25	3.87E-04	6.09E-08	2.12E-08	3.95E-04	6.22E-08	2.17E-08	3.94E-04	6.21E-08	2.16E-08
5184	488363.09, 3864877.25	3.96E-04	6.23E-08	2.17E-08	4.04E-04	6.36E-08	2.22E-08	4.03E-04	6.35E-08	2.21E-08
5185	488863.09, 3864877.25	4.03E-04	6.35E-08	2.21E-08	4.11E-04	6.48E-08	2.26E-08	4.11E-04	6.47E-08	2.25E-08
5186	489363.09, 3864877.25	4.04E-04	6.36E-08	2.22E-08	4.12E-04	6.49E-08	2.26E-08	4.11E-04	6.48E-08	2.26E-08
5187	489863.09, 3864877.25	4.00E-04	6.30E-08	2.20E-08	4.08E-04	6.43E-08	2.24E-08	4.08E-04	6.42E-08	2.24E-08
5188	490363.09, 3864877.25	4.01E-04	6.31E-08	2.20E-08	4.09E-04	6.44E-08	2.24E-08	4.08E-04	6.43E-08	2.24E-08
5189	490863.09, 3864877.25	3.80E-04	5.99E-08	2.09E-08	3.88E-04	6.11E-08	2.13E-08	3.87E-04	6.10E-08	2.13E-08
5190	491363.09, 3864877.25	4.00E-04	6.31E-08	2.20E-08	4.09E-04	6.44E-08	2.24E-08	4.08E-04	6.43E-08	2.24E-08
5191	491863.09, 3864877.25	3.61E-04	5.68E-08	1.98E-08	3.68E-04	5.80E-08	2.02E-08	3.68E-04	5.79E-08	2.02E-08
5192	492363.09, 3864877.25	1.50E-04	2.37E-08	8.25E-09	1.53E-04	2.42E-08	8.42E-09	1.53E-04	2.41E-08	8.41E-09
5193	492863.09, 3864877.25	1.82E-04	2.87E-08	1.00E-08	1.86E-04	2.93E-08	1.02E-08	1.86E-04	2.93E-08	1.02E-08
5194	493363.09, 3864877.25	1.78E-04	2.80E-08	9.77E-09	1.82E-04	2.86E-08	9.97E-09	1.81E-04	2.86E-08	9.96E-09
5195	493863.09, 3864877.25	3.11E-04	4.90E-08	1.71E-08	3.18E-04	5.00E-08	1.74E-08	3.17E-04	5.00E-08	1.74E-08
5196	494363.09, 3864877.25	3.67E-04	5.78E-08	2.01E-08	3.74E-04	5.90E-08	2.05E-08	3.74E-04	5.89E-08	2.05E-08
5197	494863.09, 3864877.25	3.81E-04	6.00E-08	2.09E-08	3.89E-04	6.12E-08	2.13E-08	3.88E-04	6.12E-08	2.13E-08
5198	495363.09, 3864877.25	3.98E-04	6.26E-08	2.18E-08	4.06E-04	6.39E-08	2.23E-08	4.05E-04	6.38E-08	2.22E-08
5199	495863.09, 3864877.25	3.99E-04	6.29E-08	2.19E-08	4.07E-04	6.42E-08	2.24E-08	4.07E-04	6.41E-08	2.23E-08
5200	496363.09, 3864877.25	3.98E-04	6.28E-08	2.19E-08	4.07E-04	6.40E-08	2.23E-08	4.06E-04	6.40E-08	2.23E-08
5201	496863.09, 3864877.25	3.82E-04	6.02E-08	2.10E-08	3.90E-04	6.14E-08	2.14E-08	3.90E-04	6.14E-08	2.14E-08
5202	497363.09, 3864877.25	3.68E-04	5.79E-08	2.02E-08	3.75E-04	5.91E-08	2.06E-08	3.75E-04	5.90E-08	2.06E-08
5203	497863.09, 3864877.25	3.62E-04	5.70E-08	1.99E-08	3.69E-04	5.82E-08	2.03E-08	3.69E-04	5.81E-08	2.02E-08
5204	498363.09, 3864877.25	3.58E-04	5.64E-08	1.97E-08	3.66E-04	5.76E-08	2.01E-08	3.65E-04	5.75E-08	2.00E-08

5205	471363.09, 3865377.25	1.87E-04	2.94E-08	1.03E-08	1.91E-04	3.00E-08	1.05E-08	1.90E-04	3.00E-08	1.05E-08
5206	471863.09, 3865377.25	1.91E-04	3.01E-08	1.05E-08	1.95E-04	3.07E-08	1.07E-08	1.95E-04	3.07E-08	1.07E-08
5207	472363.09, 3865377.25	1.95E-04	3.08E-08	1.07E-08	1.99E-04	3.14E-08	1.09E-08	1.99E-04	3.14E-08	1.09E-08
5208	472863.09, 3865377.25	2.00E-04	3.15E-08	1.10E-08	2.04E-04	3.21E-08	1.12E-08	2.04E-04	3.21E-08	1.12E-08
5209	473363.09, 3865377.25	2.03E-04	3.20E-08	1.11E-08	2.07E-04	3.26E-08	1.14E-08	2.07E-04	3.26E-08	1.14E-08
5210	473863.09, 3865377.25	2.07E-04	3.25E-08	1.13E-08	2.11E-04	3.32E-08	1.16E-08	2.11E-04	3.32E-08	1.16E-08
5211	474363.09, 3865377.25	2.10E-04	3.31E-08	1.15E-08	2.14E-04	3.38E-08	1.18E-08	2.14E-04	3.37E-08	1.18E-08
5212	474863.09, 3865377.25	2.14E-04	3.37E-08	1.17E-08	2.18E-04	3.44E-08	1.20E-08	2.18E-04	3.43E-08	1.20E-08
5213	475363.09, 3865377.25	2.17E-04	3.42E-08	1.19E-08	2.22E-04	3.49E-08	1.22E-08	2.21E-04	3.49E-08	1.21E-08
5214	475863.09, 3865377.25	2.21E-04	3.48E-08	1.21E-08	2.25E-04	3.55E-08	1.24E-08	2.25E-04	3.54E-08	1.23E-08
5215	476363.09, 3865377.25	2.26E-04	3.57E-08	1.24E-08	2.31E-04	3.64E-08	1.27E-08	2.31E-04	3.63E-08	1.27E-08
5216	476863.09, 3865377.25	2.26E-04	3.56E-08	1.24E-08	2.31E-04	3.63E-08	1.27E-08	2.30E-04	3.63E-08	1.26E-08
5217	477363.09, 3865377.25	2.33E-04	3.68E-08	1.28E-08	2.38E-04	3.75E-08	1.31E-08	2.38E-04	3.75E-08	1.31E-08
5218	477863.09, 3865377.25	2.36E-04	3.71E-08	1.29E-08	2.41E-04	3.79E-08	1.32E-08	2.40E-04	3.78E-08	1.32E-08
5219	478363.09, 3865377.25	2.40E-04	3.77E-08	1.31E-08	2.44E-04	3.85E-08	1.34E-08	2.44E-04	3.85E-08	1.34E-08
5220	478863.09, 3865377.25	2.43E-04	3.82E-08	1.33E-08	2.47E-04	3.90E-08	1.36E-08	2.47E-04	3.89E-08	1.36E-08
5221	479363.09, 3865377.25	2.45E-04	3.87E-08	1.35E-08	2.50E-04	3.95E-08	1.37E-08	2.50E-04	3.94E-08	1.37E-08
5222	479863.09, 3865377.25	2.48E-04	3.91E-08	1.36E-08	2.53E-04	3.99E-08	1.39E-08	2.53E-04	3.99E-08	1.39E-08
5223	480363.09, 3865377.25	2.50E-04	3.94E-08	1.37E-08	2.55E-04	4.02E-08	1.40E-08	2.55E-04	4.02E-08	1.40E-08
5224	480863.09, 3865377.25	2.53E-04	3.98E-08	1.39E-08	2.58E-04	4.06E-08	1.41E-08	2.57E-04	4.05E-08	1.41E-08
5225	481363.09, 3865377.25	2.56E-04	4.03E-08	1.40E-08	2.61E-04	4.11E-08	1.43E-08	2.61E-04	4.11E-08	1.43E-08
5226	481863.09, 3865377.25	2.58E-04	4.06E-08	1.42E-08	2.63E-04	4.14E-08	1.44E-08	2.63E-04	4.14E-08	1.44E-08
5227	482363.09, 3865377.25	2.60E-04	4.09E-08	1.42E-08	2.65E-04	4.17E-08	1.45E-08	2.65E-04	4.17E-08	1.45E-08
5228	482863.09, 3865377.25	2.62E-04	4.12E-08	1.44E-08	2.67E-04	4.21E-08	1.47E-08	2.67E-04	4.20E-08	1.46E-08
5229	483363.09, 3865377.25	2.67E-04	4.20E-08	1.46E-08	2.72E-04	4.29E-08	1.49E-08	2.72E-04	4.28E-08	1.49E-08
5230	483863.09, 3865377.25	2.74E-04	4.32E-08	1.51E-08	2.80E-04	4.41E-08	1.54E-08	2.80E-04	4.40E-08	1.53E-08
5231	484363.09, 3865377.25	2.84E-04	4.47E-08	1.56E-08	2.90E-04	4.57E-08	1.59E-08	2.90E-04	4.56E-08	1.59E-08
5232	484863.09, 3865377.25	2.95E-04	4.65E-08	1.62E-08	3.01E-04	4.75E-08	1.65E-08	3.01E-04	4.74E-08	1.65E-08
5233	485363.09, 3865377.25	3.07E-04	4.83E-08	1.68E-08	3.13E-04	4.93E-08	1.72E-08	3.13E-04	4.93E-08	1.72E-08
5234	485863.09, 3865377.25	3.16E-04	4.99E-08	1.74E-08	3.23E-04	5.09E-08	1.77E-08	3.23E-04	5.08E-08	1.77E-08
5235	486363.09, 3865377.25	3.25E-04	5.12E-08	1.78E-08	3.31E-04	5.22E-08	1.82E-08	3.31E-04	5.21E-08	1.82E-08
5236	486863.09, 3865377.25	3.33E-04	5.24E-08	1.83E-08	3.39E-04	5.35E-08	1.86E-08	3.39E-04	5.34E-08	1.86E-08
5237	487363.09, 3865377.25	3.42E-04	5.39E-08	1.88E-08	3.49E-04	5.50E-08	1.92E-08	3.49E-04	5.50E-08	1.92E-08
5238	487863.09, 3865377.25	3.50E-04	5.51E-08	1.92E-08	3.57E-04	5.62E-08	1.96E-08	3.56E-04	5.62E-08	1.96E-08
5239	488363.09, 3865377.25	3.56E-04	5.61E-08	1.95E-08	3.63E-04	5.72E-08	1.99E-08	3.63E-04	5.72E-08	1.99E-08
5240	488863.09, 3865377.25	3.61E-04	5.68E-08	1.98E-08	3.68E-04	5.80E-08	2.02E-08	3.68E-04	5.79E-08	2.02E-08
5241	489363.09, 3865377.25	3.61E-04	5.69E-08	1.98E-08	3.69E-04	5.81E-08	2.02E-08	3.68E-04	5.80E-08	2.02E-08
5242	489863.09, 3865377.25	3.61E-04	5.69E-08	1.98E-08	3.69E-04	5.81E-08	2.02E-08	3.68E-04	5.80E-08	2.02E-08
5243	490363.09, 3865377.25	3.50E-04	5.52E-08	1.92E-08	3.58E-04	5.63E-08	1.96E-08	3.57E-04	5.63E-08	1.96E-08
5244	490863.09, 3865377.25	3.34E-04	5.26E-08	1.83E-08	3.41E-04	5.37E-08	1.87E-08	3.41E-04	5.37E-08	1.87E-08
5245	491363.09, 3865377.25	3.24E-04	5.10E-08	1.78E-08	3.30E-04	5.21E-08	1.81E-08	3.30E-04	5.20E-08	1.81E-08
5246	491863.09, 3865377.25	3.21E-04	5.06E-08	1.76E-08	3.28E-04	5.16E-08	1.80E-08	3.27E-04	5.16E-08	1.80E-08
5247	492363.09, 3865377.25	2.56E-04	4.03E-08	1.40E-08	2.61E-04	4.11E-08	1.43E-08	2.61E-04	4.11E-08	1.43E-08
5248	492863.09, 3865377.25	1.99E-04	3.13E-08	1.09E-08	2.03E-04	3.20E-08	1.11E-08	2.03E-04	3.19E-08	1.11E-08
5249	493363.09, 3865377.25	1.67E-04	2.63E-08	9.17E-09	1.70E-04	2.69E-08	9.36E-09	1.70E-04	2.68E-08	9.35E-09
5250	493863.09, 3865377.25	2.26E-04	3.56E-08	1.24E-08	2.30E-04	3.63E-08	1.26E-08	2.30E-04	3.62E-08	1.26E-08
5251	494363.09, 3865377.25	2.96E-04	4.66E-08	1.62E-08	3.02E-04	4.76E-08	1.66E-08	3.02E-04	4.75E-08	1.65E-08
5252	494863.09, 3865377.25	3.26E-04	5.13E-08	1.79E-08	3.32E-04	5.23E-08	1.82E-08	3.32E-04	5.23E-08	1.82E-08
5253	495363.09, 3865377.25	3.40E-04	5.35E-08	1.86E-08	3.47E-04	5.46E-08	1.90E-08	3.46E-04	5.46E-08	1.90E-08
5254	495863.09, 3865377.25	3.55E-04	5.59E-08	1.95E-08	3.62E-04	5.71E-08	1.99E-08	3.62E-04	5.70E-08	1.99E-08
5255	496363.09, 3865377.25	3.53E-04	5.56E-08	1.94E-08	3.60E-04	5.67E-08	1.98E-08	3.59E-04	5.66E-08	1.97E-08
5256	496863.09, 3865377.25	3.52E-04	5.54E-08	1.93E-08	3.59E-04	5.65E-08	1.97E-08	3.58E-04	5.64E-08	1.97E-08
5257	497363.09, 3865377.25	3.42E-04	5.39E-08	1.88E-08	3.49E-04	5.50E-08	1.92E-08	3.49E-04	5.49E-08	1.91E-08
5258	497863.09, 3865377.25	3.29E-04	5.18E-08	1.80E-08	3.36E-04	5.29E-08	1.84E-08	3.35E-04	5.28E-08	1.84E-08
5259	498363.09, 3865377.25	3.23E-04	5.09E-08	1.77E-08	3.30E-04	5.20E-08	1.81E-08	3.29E-04	5.19E-08	1.81E-08
5260	471363.09, 3865877.25	1.81E-04	2.85E-08	9.95E-09	1.85E-04	2.91E-08	1.01E-08	1.85E-04	2.91E-08	1.01E-08
5261	471863.09, 3865877.25	1.85E-04	2.92E-08	1.02E-08	1.89E-04	2.97E-08	1.04E-08	1.89E-04	2.97E-08	1.04E-08
5262	472363.09, 3865877.25	1.89E-04	2.98E-08	1.04E-08	1.93E-04	3.04E-08	1.06E-08	1.93E-04	3.04E-08	1.06E-08
5263	472863.09, 3865877.25	1.92E-04	3.03E-08	1.05E-08	1.96E-04	3.09E-08	1.08E-08	1.96E-04	3.08E-08	1.07E-08
5264	473363.09, 3865877.25	1.95E-04	3.07E-08	1.07E-08	1.99E-04	3.14E-08	1.09E-08	1.99E-04	3.13E-08	1.09E-08
5265	473863.09, 3865877.25	1.99E-04	3.13E-08	1.09E-08	2.03E-04	3.20E-08	1.11E-08	2.03E-04	3.19E-08	1.11E-08
5266	474363.09, 3865877.25	2.02E-04	3.19E-08	1.11E-08	2.07E-04	3.25E-08	1.13E-08	2.06E-04	3.25E-08	1.13E-08

5267	474863.09, 3865877.25	2.06E-04	3.25E-08	1.13E-08	2.10E-04	3.32E-08	1.16E-08	2.10E-04	3.31E-08	1.15E-08
5268	475363.09, 3865877.25	2.09E-04	3.30E-08	1.15E-08	2.13E-04	3.36E-08	1.17E-08	2.13E-04	3.36E-08	1.17E-08
5269	475863.09, 3865877.25	2.13E-04	3.35E-08	1.17E-08	2.17E-04	3.42E-08	1.19E-08	2.17E-04	3.42E-08	1.19E-08
5270	476363.09, 3865877.25	2.17E-04	3.43E-08	1.19E-08	2.22E-04	3.50E-08	1.22E-08	2.22E-04	3.49E-08	1.22E-08
5271	476863.09, 3865877.25	2.15E-04	3.38E-08	1.18E-08	2.19E-04	3.45E-08	1.20E-08	2.19E-04	3.45E-08	1.20E-08
5272	477363.09, 3865877.25	2.22E-04	3.50E-08	1.22E-08	2.27E-04	3.57E-08	1.24E-08	2.26E-04	3.57E-08	1.24E-08
5273	477863.09, 3865877.25	2.24E-04	3.52E-08	1.23E-08	2.28E-04	3.60E-08	1.25E-08	2.28E-04	3.59E-08	1.25E-08
5274	478363.09, 3865877.25	2.26E-04	3.56E-08	1.24E-08	2.31E-04	3.63E-08	1.27E-08	2.30E-04	3.63E-08	1.26E-08
5275	478863.09, 3865877.25	2.29E-04	3.60E-08	1.25E-08	2.33E-04	3.68E-08	1.28E-08	2.33E-04	3.67E-08	1.28E-08
5276	479363.09, 3865877.25	2.31E-04	3.64E-08	1.27E-08	2.36E-04	3.72E-08	1.30E-08	2.36E-04	3.71E-08	1.29E-08
5277	479863.09, 3865877.25	2.33E-04	3.67E-08	1.28E-08	2.38E-04	3.74E-08	1.30E-08	2.37E-04	3.74E-08	1.30E-08
5278	480363.09, 3865877.25	2.34E-04	3.69E-08	1.29E-08	2.39E-04	3.77E-08	1.31E-08	2.39E-04	3.76E-08	1.31E-08
5279	480863.09, 3865877.25	2.36E-04	3.72E-08	1.30E-08	2.41E-04	3.80E-08	1.32E-08	2.41E-04	3.79E-08	1.32E-08
5280	481363.09, 3865877.25	2.37E-04	3.74E-08	1.30E-08	2.42E-04	3.82E-08	1.33E-08	2.42E-04	3.81E-08	1.33E-08
5281	481863.09, 3865877.25	2.39E-04	3.76E-08	1.31E-08	2.44E-04	3.84E-08	1.34E-08	2.43E-04	3.83E-08	1.34E-08
5282	482363.09, 3865877.25	2.41E-04	3.79E-08	1.32E-08	2.46E-04	3.87E-08	1.35E-08	2.45E-04	3.87E-08	1.35E-08
5283	482863.09, 3865877.25	2.44E-04	3.85E-08	1.34E-08	2.49E-04	3.93E-08	1.37E-08	2.49E-04	3.92E-08	1.37E-08
5284	483363.09, 3865877.25	2.50E-04	3.94E-08	1.37E-08	2.55E-04	4.02E-08	1.40E-08	2.55E-04	4.02E-08	1.40E-08
5285	483863.09, 3865877.25	2.58E-04	4.06E-08	1.42E-08	2.63E-04	4.14E-08	1.44E-08	2.63E-04	4.14E-08	1.44E-08
5286	484363.09, 3865877.25	2.67E-04	4.21E-08	1.47E-08	2.72E-04	4.29E-08	1.50E-08	2.72E-04	4.29E-08	1.49E-08
5287	484863.09, 3865877.25	2.76E-04	4.35E-08	1.52E-08	2.82E-04	4.44E-08	1.55E-08	2.81E-04	4.43E-08	1.54E-08
5288	485363.09, 3865877.25	2.85E-04	4.49E-08	1.57E-08	2.91E-04	4.59E-08	1.60E-08	2.91E-04	4.58E-08	1.60E-08
5289	485863.09, 3865877.25	2.93E-04	4.62E-08	1.61E-08	2.99E-04	4.72E-08	1.64E-08	2.99E-04	4.71E-08	1.64E-08
5290	486363.09, 3865877.25	3.00E-04	4.73E-08	1.65E-08	3.06E-04	4.83E-08	1.68E-08	3.06E-04	4.82E-08	1.68E-08
5291	486863.09, 3865877.25	3.06E-04	4.83E-08	1.68E-08	3.13E-04	4.93E-08	1.72E-08	3.12E-04	4.92E-08	1.71E-08
5292	487363.09, 3865877.25	3.13E-04	4.93E-08	1.72E-08	3.20E-04	5.04E-08	1.75E-08	3.19E-04	5.03E-08	1.75E-08
5293	487863.09, 3865877.25	3.19E-04	5.02E-08	1.75E-08	3.25E-04	5.13E-08	1.79E-08	3.25E-04	5.12E-08	1.78E-08
5294	488363.09, 3865877.25	3.23E-04	5.08E-08	1.77E-08	3.29E-04	5.19E-08	1.81E-08	3.29E-04	5.18E-08	1.80E-08
5295	488863.09, 3865877.25	3.26E-04	5.13E-08	1.79E-08	3.33E-04	5.24E-08	1.83E-08	3.32E-04	5.23E-08	1.82E-08
5296	489363.09, 3865877.25	3.27E-04	5.15E-08	1.80E-08	3.34E-04	5.26E-08	1.83E-08	3.33E-04	5.25E-08	1.83E-08
5297	489863.09, 3865877.25	3.28E-04	5.16E-08	1.80E-08	3.34E-04	5.27E-08	1.84E-08	3.34E-04	5.26E-08	1.83E-08
5298	490363.09, 3865877.25	3.27E-04	5.16E-08	1.80E-08	3.34E-04	5.26E-08	1.83E-08	3.34E-04	5.26E-08	1.83E-08
5299	490863.09, 3865877.25	3.10E-04	4.88E-08	1.70E-08	3.16E-04	4.98E-08	1.74E-08	3.16E-04	4.98E-08	1.73E-08
5300	491363.09, 3865877.25	2.88E-04	4.54E-08	1.58E-08	2.94E-04	4.63E-08	1.61E-08	2.93E-04	4.62E-08	1.61E-08
5301	491863.09, 3865877.25	2.79E-04	4.40E-08	1.53E-08	2.85E-04	4.49E-08	1.56E-08	2.85E-04	4.49E-08	1.56E-08
5302	492363.09, 3865877.25	2.64E-04	4.16E-08	1.45E-08	2.70E-04	4.25E-08	1.48E-08	2.69E-04	4.24E-08	1.48E-08
5303	492863.09, 3865877.25	2.00E-04	3.16E-08	1.10E-08	2.04E-04	3.22E-08	1.12E-08	2.04E-04	3.22E-08	1.12E-08
5304	493363.09, 3865877.25	1.96E-04	3.08E-08	1.07E-08	2.00E-04	3.15E-08	1.10E-08	1.99E-04	3.14E-08	1.09E-08
5305	493863.09, 3865877.25	2.23E-04	3.51E-08	1.22E-08	2.28E-04	3.59E-08	1.25E-08	2.27E-04	3.58E-08	1.25E-08
5306	494363.09, 3865877.25	2.58E-04	4.06E-08	1.42E-08	2.63E-04	4.14E-08	1.44E-08	2.63E-04	4.14E-08	1.44E-08
5307	494863.09, 3865877.25	3.01E-04	4.75E-08	1.65E-08	3.08E-04	4.85E-08	1.69E-08	3.07E-04	4.84E-08	1.69E-08
5308	495363.09, 3865877.25	3.04E-04	4.79E-08	1.67E-08	3.10E-04	4.88E-08	1.70E-08	3.10E-04	4.88E-08	1.70E-08
5309	495863.09, 3865877.25	3.06E-04	4.82E-08	1.68E-08	3.12E-04	4.92E-08	1.71E-08	3.12E-04	4.92E-08	1.71E-08
5310	496363.09, 3865877.25	3.07E-04	4.84E-08	1.69E-08	3.14E-04	4.94E-08	1.72E-08	3.13E-04	4.93E-08	1.72E-08
5311	496863.09, 3865877.25	3.04E-04	4.79E-08	1.67E-08	3.10E-04	4.88E-08	1.70E-08	3.10E-04	4.88E-08	1.70E-08
5312	497363.09, 3865877.25	3.14E-04	4.94E-08	1.72E-08	3.20E-04	5.04E-08	1.76E-08	3.20E-04	5.04E-08	1.76E-08
5313	497863.09, 3865877.25	3.06E-04	4.81E-08	1.68E-08	3.12E-04	4.91E-08	1.71E-08	3.11E-04	4.91E-08	1.71E-08
5314	498363.09, 3865877.25	2.85E-04	4.49E-08	1.57E-08	2.91E-04	4.59E-08	1.60E-08	2.91E-04	4.58E-08	1.60E-08
5315	471363.09, 3866377.25	1.75E-04	2.76E-08	9.62E-09	1.79E-04	2.82E-08	9.82E-09	1.79E-04	2.82E-08	9.81E-09
5316	471863.09, 3866377.25	1.79E-04	2.82E-08	9.82E-09	1.83E-04	2.88E-08	1.00E-08	1.82E-04	2.87E-08	1.00E-08
5317	472363.09, 3866377.25	1.82E-04	2.87E-08	1.00E-08	1.86E-04	2.93E-08	1.02E-08	1.86E-04	2.93E-08	1.02E-08
5318	472863.09, 3866377.25	1.85E-04	2.91E-08	1.01E-08	1.89E-04	2.97E-08	1.03E-08	1.88E-04	2.97E-08	1.03E-08
5319	473363.09, 3866377.25	1.88E-04	2.97E-08	1.03E-08	1.92E-04	3.03E-08	1.05E-08	1.92E-04	3.02E-08	1.05E-08
5320	473863.09, 3866377.25	1.92E-04	3.02E-08	1.05E-08	1.96E-04	3.08E-08	1.07E-08	1.96E-04	3.08E-08	1.07E-08
5321	474363.09, 3866377.25	1.95E-04	3.08E-08	1.07E-08	1.99E-04	3.14E-08	1.09E-08	1.99E-04	3.14E-08	1.09E-08
5322	474863.09, 3866377.25	1.99E-04	3.13E-08	1.09E-08	2.03E-04	3.19E-08	1.11E-08	2.02E-04	3.19E-08	1.11E-08
5323	475363.09, 3866377.25	2.01E-04	3.17E-08	1.10E-08	2.05E-04	3.23E-08	1.13E-08	2.05E-04	3.23E-08	1.12E-08
5324	475863.09, 3866377.25	2.03E-04	3.20E-08	1.11E-08	2.07E-04	3.26E-08	1.14E-08	2.07E-04	3.26E-08	1.14E-08
5325	476363.09, 3866377.25	2.07E-04	3.26E-08	1.14E-08	2.11E-04	3.33E-08	1.16E-08	2.11E-04	3.33E-08	1.16E-08
5326	476863.09, 3866377.25	2.01E-04	3.17E-08	1.10E-08	2.05E-04	3.24E-08	1.13E-08	2.05E-04	3.23E-08	1.13E-08
5327	477363.09, 3866377.25	2.09E-04	3.30E-08	1.15E-08	2.13E-04	3.36E-08	1.17E-08	2.13E-04	3.36E-08	1.17E-08
5328	477863.09, 3866377.25	2.12E-04	3.34E-08	1.16E-08	2.16E-04	3.41E-08	1.19E-08	2.16E-04	3.41E-08	1.19E-08

5329	478363.09, 3866377.25	2.14E-04	3.37E-08	1.17E-08	2.18E-04	3.43E-08	1.20E-08	2.18E-04	3.43E-08	1.19E-08
5330	478863.09, 3866377.25	2.16E-04	3.40E-08	1.19E-08	2.20E-04	3.47E-08	1.21E-08	2.20E-04	3.47E-08	1.21E-08
5331	479363.09, 3866377.25	2.18E-04	3.44E-08	1.20E-08	2.23E-04	3.51E-08	1.22E-08	2.22E-04	3.50E-08	1.22E-08
5332	479863.09, 3866377.25	2.20E-04	3.46E-08	1.20E-08	2.24E-04	3.53E-08	1.23E-08	2.24E-04	3.52E-08	1.23E-08
5333	480363.09, 3866377.25	2.21E-04	3.48E-08	1.21E-08	2.25E-04	3.55E-08	1.24E-08	2.25E-04	3.54E-08	1.23E-08
5334	480863.09, 3866377.25	2.21E-04	3.49E-08	1.21E-08	2.26E-04	3.56E-08	1.24E-08	2.26E-04	3.55E-08	1.24E-08
5335	481363.09, 3866377.25	2.22E-04	3.50E-08	1.22E-08	2.27E-04	3.58E-08	1.25E-08	2.27E-04	3.57E-08	1.24E-08
5336	481863.09, 3866377.25	2.24E-04	3.52E-08	1.23E-08	2.28E-04	3.60E-08	1.25E-08	2.28E-04	3.59E-08	1.25E-08
5337	482363.09, 3866377.25	2.27E-04	3.57E-08	1.24E-08	2.31E-04	3.64E-08	1.27E-08	2.31E-04	3.64E-08	1.27E-08
5338	482863.09, 3866377.25	2.31E-04	3.64E-08	1.27E-08	2.36E-04	3.72E-08	1.30E-08	2.36E-04	3.71E-08	1.29E-08
5339	483363.09, 3866377.25	2.36E-04	3.72E-08	1.30E-08	2.41E-04	3.80E-08	1.32E-08	2.41E-04	3.79E-08	1.32E-08
5340	483863.09, 3866377.25	2.43E-04	3.82E-08	1.33E-08	2.48E-04	3.90E-08	1.36E-08	2.47E-04	3.90E-08	1.36E-08
5341	484363.09, 3866377.25	2.50E-04	3.94E-08	1.37E-08	2.55E-04	4.02E-08	1.40E-08	2.55E-04	4.02E-08	1.40E-08
5342	484863.09, 3866377.25	2.59E-04	4.08E-08	1.42E-08	2.64E-04	4.16E-08	1.45E-08	2.64E-04	4.16E-08	1.45E-08
5343	485363.09, 3866377.25	2.66E-04	4.20E-08	1.46E-08	2.72E-04	4.28E-08	1.49E-08	2.71E-04	4.28E-08	1.49E-08
5344	485863.09, 3866377.25	2.73E-04	4.30E-08	1.50E-08	2.78E-04	4.39E-08	1.53E-08	2.78E-04	4.38E-08	1.53E-08
5345	486363.09, 3866377.25	2.78E-04	4.39E-08	1.53E-08	2.84E-04	4.48E-08	1.56E-08	2.84E-04	4.47E-08	1.56E-08
5346	486863.09, 3866377.25	2.84E-04	4.47E-08	1.56E-08	2.90E-04	4.56E-08	1.59E-08	2.89E-04	4.56E-08	1.59E-08
5347	487363.09, 3866377.25	2.92E-04	4.60E-08	1.60E-08	2.98E-04	4.70E-08	1.64E-08	2.98E-04	4.69E-08	1.64E-08
5348	487863.09, 3866377.25	2.97E-04	4.68E-08	1.63E-08	3.03E-04	4.77E-08	1.66E-08	3.03E-04	4.77E-08	1.66E-08
5349	488363.09, 3866377.25	3.00E-04	4.72E-08	1.64E-08	3.06E-04	4.82E-08	1.68E-08	3.05E-04	4.81E-08	1.68E-08
5350	488863.09, 3866377.25	2.97E-04	4.68E-08	1.63E-08	3.03E-04	4.77E-08	1.66E-08	3.03E-04	4.77E-08	1.66E-08
5351	489363.09, 3866377.25	2.91E-04	4.59E-08	1.60E-08	2.97E-04	4.68E-08	1.63E-08	2.97E-04	4.68E-08	1.63E-08
5352	489863.09, 3866377.25	2.80E-04	4.41E-08	1.53E-08	2.85E-04	4.50E-08	1.57E-08	2.85E-04	4.49E-08	1.56E-08
5353	490363.09, 3866377.25	2.97E-04	4.67E-08	1.63E-08	3.03E-04	4.77E-08	1.66E-08	3.02E-04	4.76E-08	1.66E-08
5354	490863.09, 3866377.25	2.94E-04	4.63E-08	1.61E-08	3.00E-04	4.72E-08	1.65E-08	2.99E-04	4.72E-08	1.64E-08
5355	491363.09, 3866377.25	2.88E-04	4.54E-08	1.58E-08	2.94E-04	4.63E-08	1.61E-08	2.93E-04	4.62E-08	1.61E-08
5356	491863.09, 3866377.25	2.43E-04	3.82E-08	1.33E-08	2.47E-04	3.90E-08	1.36E-08	2.47E-04	3.89E-08	1.36E-08
5357	492363.09, 3866377.25	2.46E-04	3.88E-08	1.35E-08	2.51E-04	3.96E-08	1.38E-08	2.51E-04	3.96E-08	1.38E-08
5358	492863.09, 3866377.25	2.17E-04	3.43E-08	1.19E-08	2.22E-04	3.50E-08	1.22E-08	2.22E-04	3.49E-08	1.22E-08
5359	493363.09, 3866377.25	2.27E-04	3.58E-08	1.25E-08	2.32E-04	3.65E-08	1.27E-08	2.32E-04	3.65E-08	1.27E-08
5360	493863.09, 3866377.25	2.41E-04	3.80E-08	1.32E-08	2.46E-04	3.88E-08	1.35E-08	2.46E-04	3.87E-08	1.35E-08
5361	494363.09, 3866377.25	2.62E-04	4.13E-08	1.44E-08	2.68E-04	4.22E-08	1.47E-08	2.67E-04	4.21E-08	1.47E-08
5362	494863.09, 3866377.25	2.61E-04	4.11E-08	1.43E-08	2.66E-04	4.19E-08	1.46E-08	2.66E-04	4.19E-08	1.46E-08
5363	495363.09, 3866377.25	2.59E-04	4.08E-08	1.42E-08	2.64E-04	4.16E-08	1.45E-08	2.64E-04	4.15E-08	1.45E-08
5364	495863.09, 3866377.25	2.56E-04	4.03E-08	1.40E-08	2.61E-04	4.11E-08	1.43E-08	2.61E-04	4.11E-08	1.43E-08
5365	496363.09, 3866377.25	2.60E-04	4.10E-08	1.43E-08	2.66E-04	4.18E-08	1.46E-08	2.65E-04	4.18E-08	1.46E-08
5366	496863.09, 3866377.25	2.57E-04	4.05E-08	1.41E-08	2.62E-04	4.13E-08	1.44E-08	2.62E-04	4.13E-08	1.44E-08
5367	497363.09, 3866377.25	2.63E-04	4.14E-08	1.44E-08	2.68E-04	4.23E-08	1.47E-08	2.68E-04	4.22E-08	1.47E-08
5368	497863.09, 3866377.25	2.74E-04	4.31E-08	1.50E-08	2.79E-04	4.40E-08	1.53E-08	2.79E-04	4.40E-08	1.53E-08
5369	498363.09, 3866377.25	2.39E-04	3.76E-08	1.31E-08	2.44E-04	3.84E-08	1.34E-08	2.44E-04	3.84E-08	1.34E-08
5370	474494.92, 3848334.16	8.93E-02	1.41E-05	4.90E-06	9.12E-02	1.44E-05	5.00E-06	9.10E-02	1.43E-05	5.00E-06
5371	475167.27, 3848920.79	9.91E-02	1.56E-05	5.44E-06	1.01E-01	1.59E-05	5.55E-06	1.01E-01	1.59E-05	5.54E-06
5372	475297.89, 3848997.96	1.02E-01	1.60E-05	5.58E-06	1.04E-01	1.63E-05	5.69E-06	1.04E-01	1.63E-05	5.69E-06
5373	475439.05, 3849062	1.01E-01	1.59E-05	5.55E-06	1.03E-01	1.63E-05	5.66E-06	1.03E-01	1.62E-05	5.66E-06
5374	475486.86, 3849061.09	7.90E-02	1.25E-05	4.34E-06	8.07E-02	1.27E-05	4.43E-06	8.06E-02	1.27E-05	4.42E-06
5375	475538.46, 3849075.56	7.82E-02	1.23E-05	4.29E-06	7.98E-02	1.26E-05	4.38E-06	7.97E-02	1.25E-05	4.37E-06
5376	475751.79, 3849137.15	1.05E-01	1.65E-05	5.74E-06	1.07E-01	1.68E-05	5.86E-06	1.07E-01	1.68E-05	5.85E-06
5377	476303.62, 3849223.38	1.19E-01	1.88E-05	6.55E-06	1.22E-01	1.92E-05	6.69E-06	1.22E-01	1.92E-05	6.68E-06
5378	476304.51, 3849238.92	1.14E-01	1.79E-05	6.25E-06	1.16E-01	1.83E-05	6.38E-06	1.16E-01	1.83E-05	6.37E-06
5379	476365.04, 3849247.98	1.11E-01	1.76E-05	6.11E-06	1.14E-01	1.79E-05	6.24E-06	1.14E-01	1.79E-05	6.23E-06
5380	476444.86, 3849267.13	1.15E-01	1.80E-05	6.29E-06	1.17E-01	1.84E-05	6.42E-06	1.17E-01	1.84E-05	6.41E-06
5381	476550.75, 3849300.66	1.22E-01	1.93E-05	6.72E-06	1.25E-01	1.97E-05	6.85E-06	1.25E-01	1.97E-05	6.85E-06
5382	476656.71, 3849346.88	1.25E-01	1.97E-05	6.88E-06	1.28E-01	2.01E-05	7.02E-06	1.28E-01	2.01E-05	7.01E-06
5383	476873.55, 3849454.53	1.14E-01	1.80E-05	6.28E-06	1.17E-01	1.84E-05	6.41E-06	1.17E-01	1.84E-05	6.40E-06
5384	477700, 3849859.7	8.08E-02	1.27E-05	4.44E-06	8.25E-02	1.30E-05	4.53E-06	8.24E-02	1.30E-05	4.52E-06
5385	477743.16, 3849856.38	1.13E-01	1.79E-05	6.22E-06	1.16E-01	1.82E-05	6.35E-06	1.16E-01	1.82E-05	6.34E-06
5386	478477.35, 3850216.33	1.05E-01	1.66E-05	5.78E-06	1.07E-01	1.69E-05	5.90E-06	1.07E-01	1.69E-05	5.89E-06
5387	478485.8, 3850201.6	9.78E-02	1.54E-05	5.37E-06	9.98E-02	1.57E-05	5.47E-06	9.96E-02	1.57E-05	5.47E-06
5388	479113.21, 3850501.53	9.09E-02	1.43E-05	4.99E-06	9.28E-02	1.46E-05	5.09E-06	9.27E-02	1.46E-05	5.09E-06
5389	479108.11, 3850382.28	4.46E-02	7.02E-06	2.45E-06	4.55E-02	7.17E-06	2.50E-06	4.54E-02	7.16E-06	2.49E-06
5390	479689.85, 3850674.28	4.73E-02	7.45E-06	2.60E-06	4.83E-02	7.60E-06	2.65E-06	4.82E-02	7.60E-06	2.65E-06

5391	479952.42, 3850774.28	4.22E-02	6.65E-06	2.32E-06	4.31E-02	6.79E-06	2.37E-06	4.31E-02	6.78E-06	2.36E-06
5392	479911.32, 3850884.85	9.20E-02	1.45E-05	5.05E-06	9.39E-02	1.48E-05	5.15E-06	9.38E-02	1.48E-05	5.15E-06
5393	480500.92, 3851178.12	9.87E-02	1.55E-05	5.42E-06	1.01E-01	1.59E-05	5.53E-06	1.01E-01	1.58E-05	5.52E-06
5394	480738.01, 3851289.27	9.46E-02	1.49E-05	5.19E-06	9.65E-02	1.52E-05	5.30E-06	9.64E-02	1.52E-05	5.29E-06
5395	481055.42, 3851443.58	9.45E-02	1.49E-05	5.19E-06	9.65E-02	1.52E-05	5.29E-06	9.63E-02	1.52E-05	5.29E-06
5396	481110.22, 3851443.15	7.32E-02	1.15E-05	4.02E-06	7.47E-02	1.18E-05	4.10E-06	7.46E-02	1.18E-05	4.09E-06
5397	481111.1, 3851417.45	6.17E-02	9.73E-06	3.39E-06	6.30E-02	9.92E-06	3.46E-06	6.29E-02	9.91E-06	3.45E-06
5398	482248.44, 3852605.09	9.02E-02	1.42E-05	4.95E-06	9.21E-02	1.45E-05	5.05E-06	9.20E-02	1.45E-05	5.05E-06
5399	482273.34, 3852632.31	9.33E-02	1.47E-05	5.12E-06	9.52E-02	1.50E-05	5.22E-06	9.50E-02	1.50E-05	5.22E-06
5400	482665.46, 3853038.72	7.72E-02	1.22E-05	4.23E-06	7.87E-02	1.24E-05	4.32E-06	7.86E-02	1.24E-05	4.32E-06
5401	483077.95, 3853844.31	3.79E-03	5.97E-07	2.08E-07	3.87E-03	6.09E-07	2.12E-07	3.86E-03	6.08E-07	2.12E-07
5402	483121.38, 3853909.38	3.37E-03	5.31E-07	1.85E-07	3.44E-03	5.42E-07	1.89E-07	3.44E-03	5.42E-07	1.89E-07
5403	483492.64, 3853911.49	3.33E-03	5.25E-07	1.83E-07	3.40E-03	5.36E-07	1.87E-07	3.40E-03	5.35E-07	1.86E-07
5404	483498.29, 3854204.73	2.35E-03	3.70E-07	1.29E-07	2.39E-03	3.77E-07	1.31E-07	2.39E-03	3.77E-07	1.31E-07
5405	484132.44, 3854662.55	1.38E-03	2.18E-07	7.60E-08	1.41E-03	2.23E-07	7.75E-08	1.41E-03	2.22E-07	7.75E-08
5406	484627.62, 3854876.13	1.33E-03	2.10E-07	7.32E-08	1.36E-03	2.14E-07	7.47E-08	1.36E-03	2.14E-07	7.46E-08
5407	484756.14, 3854949.04	1.32E-03	2.08E-07	7.24E-08	1.35E-03	2.12E-07	7.38E-08	1.34E-03	2.12E-07	7.37E-08
5408	486697.51, 3856599.17	8.89E-04	1.40E-07	4.88E-08	9.07E-04	1.43E-07	4.98E-08	9.06E-04	1.43E-07	4.97E-08
5409	487105.31, 3856962.27	9.10E-04	1.43E-07	5.00E-08	9.29E-04	1.46E-07	5.10E-08	9.28E-04	1.46E-07	5.09E-08
5410	487157.57, 3856901.7	9.12E-04	1.44E-07	5.01E-08	9.31E-04	1.47E-07	5.11E-08	9.30E-04	1.46E-07	5.10E-08
5411	487173.5, 3856853.74	9.09E-04	1.43E-07	4.99E-08	9.27E-04	1.46E-07	5.09E-08	9.26E-04	1.46E-07	5.08E-08
5412	487564.41, 3856860.83	9.03E-04	1.42E-07	4.96E-08	9.21E-04	1.45E-07	5.06E-08	9.20E-04	1.45E-07	5.05E-08
5413	487563.31, 3856931.58	9.11E-04	1.43E-07	5.00E-08	9.29E-04	1.46E-07	5.10E-08	9.28E-04	1.46E-07	5.09E-08
5414	487782.7, 3856926.85	9.18E-04	1.45E-07	5.04E-08	9.37E-04	1.48E-07	5.14E-08	9.36E-04	1.47E-07	5.13E-08
5415	487782.39, 3856757.07	9.06E-04	1.43E-07	4.97E-08	9.25E-04	1.46E-07	5.08E-08	9.24E-04	1.46E-07	5.07E-08
5416	487917.26, 3856752.41	9.11E-04	1.43E-07	5.00E-08	9.29E-04	1.46E-07	5.10E-08	9.28E-04	1.46E-07	5.09E-08
5417	487919.57, 3856953.35	9.29E-04	1.46E-07	5.10E-08	9.48E-04	1.49E-07	5.20E-08	9.47E-04	1.49E-07	5.20E-08
5418	487932.76, 3857000.32	9.32E-04	1.47E-07	5.12E-08	9.51E-04	1.50E-07	5.22E-08	9.50E-04	1.50E-07	5.22E-08
5419	487960.5, 3857044.75	9.37E-04	1.48E-07	5.14E-08	9.56E-04	1.51E-07	5.25E-08	9.55E-04	1.50E-07	5.24E-08
5420	488016.54, 3857089.54	9.44E-04	1.49E-07	5.18E-08	9.64E-04	1.52E-07	5.29E-08	9.63E-04	1.52E-07	5.28E-08
5421	488114.39, 3857165.47	9.60E-04	1.51E-07	5.27E-08	9.80E-04	1.54E-07	5.38E-08	9.78E-04	1.54E-07	5.37E-08
5422	488171.49, 3857234.24	9.78E-04	1.54E-07	5.37E-08	9.98E-04	1.57E-07	5.48E-08	9.96E-04	1.57E-07	5.47E-08
5423	488193.16, 3857297.8	9.97E-04	1.57E-07	5.47E-08	1.02E-03	1.60E-07	5.59E-08	1.02E-03	1.60E-07	5.58E-08
5424	488189.27, 3857649.94	1.14E-03	1.79E-07	6.25E-08	1.16E-03	1.83E-07	6.37E-08	1.16E-03	1.83E-07	6.37E-08
5425	488127.43, 3857732.32	1.17E-03	1.85E-07	6.44E-08	1.20E-03	1.89E-07	6.57E-08	1.20E-03	1.88E-07	6.56E-08
5426	488149.93, 3857752.94	1.19E-03	1.87E-07	6.50E-08	1.21E-03	1.91E-07	6.64E-08	1.21E-03	1.90E-07	6.63E-08
5427	488144.76, 3857758.71	1.19E-03	1.87E-07	6.52E-08	1.21E-03	1.91E-07	6.65E-08	1.21E-03	1.91E-07	6.64E-08
5428	488335.58, 3857932.55	1.36E-03	2.15E-07	7.47E-08	1.39E-03	2.19E-07	7.63E-08	1.39E-03	2.19E-07	7.62E-08
5429	488372.29, 3857943.79	1.38E-03	2.18E-07	7.58E-08	1.41E-03	2.22E-07	7.73E-08	1.41E-03	2.22E-07	7.72E-08
5430	488828.64, 3857936.4	1.42E-03	2.24E-07	7.82E-08	1.45E-03	2.29E-07	7.98E-08	1.45E-03	2.29E-07	7.97E-08
5431	488829.08, 3857959.58	1.45E-03	2.28E-07	7.94E-08	1.48E-03	2.32E-07	8.10E-08	1.47E-03	2.32E-07	8.09E-08
5432	488351.61, 3857964.55	1.40E-03	2.20E-07	7.67E-08	1.43E-03	2.25E-07	7.83E-08	1.42E-03	2.24E-07	7.82E-08
5433	488316.87, 3857947.65	1.37E-03	2.16E-07	7.53E-08	1.40E-03	2.20E-07	7.68E-08	1.40E-03	2.20E-07	7.67E-08
5434	488129.1, 3857775.77	1.19E-03	1.88E-07	6.55E-08	1.22E-03	1.92E-07	6.69E-08	1.22E-03	1.92E-07	6.68E-08
5435	488062.53, 3857846.13	1.23E-03	1.94E-07	6.74E-08	1.25E-03	1.98E-07	6.88E-08	1.25E-03	1.97E-07	6.87E-08
5436	488330.41, 3858091.34	1.51E-03	2.38E-07	8.30E-08	1.54E-03	2.43E-07	8.47E-08	1.54E-03	2.43E-07	8.46E-08
5437	488470.87, 3858174.45	1.69E-03	2.67E-07	9.29E-08	1.73E-03	2.72E-07	9.48E-08	1.73E-03	2.72E-07	9.47E-08
5438	488568.9, 3858262.31	1.89E-03	2.98E-07	1.04E-07	1.93E-03	3.04E-07	1.06E-07	1.93E-03	3.04E-07	1.06E-07
5439	488964.27, 3858025.71	1.52E-03	2.40E-07	8.36E-08	1.55E-03	2.45E-07	8.53E-08	1.55E-03	2.44E-07	8.52E-08
5440	489147.25, 3857956.64	1.41E-03	2.22E-07	7.75E-08	1.44E-03	2.27E-07	7.90E-08	1.44E-03	2.27E-07	7.90E-08
5441	489343.52, 3857932.45	1.31E-03	2.06E-07	7.17E-08	1.33E-03	2.10E-07	7.32E-08	1.33E-03	2.10E-07	7.31E-08
5442	489866.19, 3857923.19	1.19E-03	1.88E-07	6.56E-08	1.22E-03	1.92E-07	6.69E-08	1.22E-03	1.92E-07	6.68E-08
5443	489955.65, 3857902.27	1.16E-03	1.83E-07	6.36E-08	1.18E-03	1.86E-07	6.49E-08	1.18E-03	1.86E-07	6.48E-08
5444	490079.44, 3857847.9	1.13E-03	1.78E-07	6.20E-08	1.15E-03	1.82E-07	6.33E-08	1.15E-03	1.81E-07	6.32E-08
5445	490108.49, 3857934.13	1.19E-03	1.88E-07	6.54E-08	1.22E-03	1.91E-07	6.67E-08	1.21E-03	1.91E-07	6.66E-08
5446	489884.48, 3858014.17	1.28E-03	2.02E-07	7.05E-08	1.31E-03	2.06E-07	7.19E-08	1.31E-03	2.06E-07	7.18E-08
5447	489326.56, 3858025.86	1.42E-03	2.24E-07	7.80E-08	1.45E-03	2.29E-07	7.96E-08	1.45E-03	2.28E-07	7.95E-08
5448	489130.38, 3858056.71	1.52E-03	2.39E-07	8.32E-08	1.55E-03	2.44E-07	8.49E-08	1.54E-03	2.43E-07	8.48E-08
5449	488936.49, 3858143.93	1.69E-03	2.66E-07	9.25E-08	1.72E-03	2.71E-07	9.44E-08	1.72E-03	2.71E-07	9.43E-08
5450	488638.08, 3858327.45	2.06E-03	3.24E-07	1.13E-07	2.10E-03	3.31E-07	1.15E-07	2.10E-03	3.30E-07	1.15E-07
5451	488663.79, 3858349.57	2.12E-03	3.34E-07	1.16E-07	2.17E-03	3.41E-07	1.19E-07	2.16E-03	3.41E-07	1.19E-07
5452	488694.56, 3858349.5	2.13E-03	3.35E-07	1.17E-07	2.17E-03	3.42E-07	1.19E-07	2.17E-03	3.42E-07	1.19E-07

5453	488694.35, 3858336.75	2.09E-03	3.29E-07	1.15E-07	2.13E-03	3.36E-07	1.17E-07	2.13E-03	3.36E-07	1.17E-07
5454	488712.81, 3858336.38	2.09E-03	3.30E-07	1.15E-07	2.14E-03	3.37E-07	1.17E-07	2.13E-03	3.36E-07	1.17E-07
5455	488713.23, 3858367.46	2.18E-03	3.44E-07	1.20E-07	2.23E-03	3.51E-07	1.22E-07	2.23E-03	3.51E-07	1.22E-07
5456	488704.63, 3858384.05	2.24E-03	3.52E-07	1.23E-07	2.28E-03	3.59E-07	1.25E-07	2.28E-03	3.59E-07	1.25E-07
5457	488604.15, 3858488.29	2.59E-03	4.08E-07	1.42E-07	2.64E-03	4.16E-07	1.45E-07	2.64E-03	4.16E-07	1.45E-07
5458	488605.66, 3858550.47	2.87E-03	4.52E-07	1.58E-07	2.93E-03	4.62E-07	1.61E-07	2.93E-03	4.61E-07	1.61E-07
5459	488692.68, 3858548.71	2.97E-03	4.67E-07	1.63E-07	3.03E-03	4.77E-07	1.66E-07	3.02E-03	4.76E-07	1.66E-07
5460	488759.93, 3858461.81	2.55E-03	4.01E-07	1.40E-07	2.60E-03	4.09E-07	1.43E-07	2.60E-03	4.09E-07	1.42E-07
5461	488816.57, 3858541.79	3.00E-03	4.73E-07	1.65E-07	3.06E-03	4.82E-07	1.68E-07	3.06E-03	4.82E-07	1.68E-07
5462	488944.63, 3858656.77	4.06E-03	6.40E-07	2.23E-07	4.15E-03	6.53E-07	2.28E-07	4.14E-03	6.53E-07	2.27E-07
5463	489134.91, 3858830.7	1.30E-02	2.04E-06	7.11E-07	1.32E-02	2.08E-06	7.26E-07	1.32E-02	2.08E-06	7.25E-07
5464	489193.99, 3858886.05	2.05E-02	3.22E-06	1.12E-06	2.09E-02	3.29E-06	1.15E-06	2.09E-02	3.29E-06	1.14E-06
5465	489295.2, 3858954.34	2.72E-02	4.28E-06	1.49E-06	2.77E-02	4.37E-06	1.52E-06	2.77E-02	4.36E-06	1.52E-06
5466	489295.64, 3858992.74	3.45E-02	5.43E-06	1.89E-06	3.52E-02	5.54E-06	1.93E-06	3.51E-02	5.54E-06	1.93E-06
5467	489183.74, 3858911.72	2.60E-02	4.09E-06	1.42E-06	2.65E-02	4.17E-06	1.45E-06	2.65E-02	4.17E-06	1.45E-06
5468	488873.37, 3858625.59	3.71E-03	5.84E-07	2.03E-07	3.78E-03	5.96E-07	2.08E-07	3.78E-03	5.95E-07	2.07E-07
5469	488842.84, 3858658.69	4.08E-03	6.43E-07	2.24E-07	4.16E-03	6.56E-07	2.29E-07	4.16E-03	6.55E-07	2.28E-07
5470	488856.39, 3858670.93	4.26E-03	6.71E-07	2.34E-07	4.34E-03	6.84E-07	2.38E-07	4.34E-03	6.84E-07	2.38E-07
5471	488805.7, 3858724.5	5.14E-03	8.10E-07	2.82E-07	5.25E-03	8.26E-07	2.88E-07	5.24E-03	8.25E-07	2.88E-07
5472	488805.87, 3858804.16	7.97E-03	1.25E-06	4.37E-07	8.13E-03	1.28E-06	4.46E-07	8.12E-03	1.28E-06	4.46E-07
5473	488995.78, 3858936.96	7.31E-02	1.15E-05	4.01E-06	7.46E-02	1.18E-05	4.09E-06	7.45E-02	1.17E-05	4.09E-06
5474	489130.76, 3859017.38	8.20E-02	1.29E-05	4.50E-06	8.37E-02	1.32E-05	4.59E-06	8.36E-02	1.32E-05	4.59E-06
5475	489130.92, 3859052.24	7.25E-02	1.14E-05	3.98E-06	7.40E-02	1.17E-05	4.06E-06	7.39E-02	1.16E-05	4.05E-06
5476	489200.33, 3859090.6	9.23E-02	1.45E-05	5.06E-06	9.41E-02	1.48E-05	5.17E-06	9.40E-02	1.48E-05	5.16E-06
5477	489296.07, 3859143.7	9.94E-02	1.57E-05	5.45E-06	1.01E-01	1.60E-05	5.57E-06	1.01E-01	1.60E-05	5.56E-06
5478	489296.43, 3858954.74	2.72E-02	4.28E-06	1.49E-06	2.77E-02	4.37E-06	1.52E-06	2.77E-02	4.36E-06	1.52E-06
5479	489410.33, 3859033.19	3.22E-02	5.08E-06	1.77E-06	3.29E-02	5.18E-06	1.81E-06	3.29E-02	5.18E-06	1.80E-06
5480	489371.37, 3859089.8	4.96E-02	7.82E-06	2.72E-06	5.06E-02	7.98E-06	2.78E-06	5.06E-02	7.97E-06	2.78E-06
5481	489390.52, 3859102.82	5.06E-02	7.98E-06	2.78E-06	5.17E-02	8.14E-06	2.84E-06	5.16E-02	8.13E-06	2.83E-06
5482	489382.3, 3859114.53	5.65E-02	8.90E-06	3.10E-06	5.76E-02	9.08E-06	3.16E-06	5.76E-02	9.07E-06	3.16E-06
5483	489363.04, 3859102.45	5.57E-02	8.77E-06	3.05E-06	5.68E-02	8.95E-06	3.12E-06	5.67E-02	8.94E-06	3.11E-06
5484	489337.52, 3859140.71	8.58E-02	1.35E-05	4.71E-06	8.75E-02	1.38E-05	4.80E-06	8.74E-02	1.38E-05	4.80E-06
5485	489375.14, 3859164.55	9.05E-02	1.43E-05	4.97E-06	9.24E-02	1.46E-05	5.07E-06	9.23E-02	1.45E-05	5.06E-06
5486	489409.3, 3859114.5	5.14E-02	8.09E-06	2.82E-06	5.24E-02	8.26E-06	2.88E-06	5.23E-02	8.25E-06	2.87E-06
5487	489434.87, 3859131.81	5.30E-02	8.34E-06	2.91E-06	5.40E-02	8.51E-06	2.97E-06	5.40E-02	8.50E-06	2.96E-06
5488	489471.87, 3859075.75	3.45E-02	5.44E-06	1.90E-06	3.52E-02	5.55E-06	1.93E-06	3.52E-02	5.54E-06	1.93E-06
5489	489602.62, 3859164.69	3.95E-02	6.23E-06	2.17E-06	4.04E-02	6.36E-06	2.21E-06	4.03E-02	6.35E-06	2.21E-06
5490	489558.29, 3859232.45	7.02E-02	1.11E-05	3.85E-06	7.17E-02	1.13E-05	3.93E-06	7.16E-02	1.13E-05	3.93E-06
5491	489620.11, 3859273.56	7.55E-02	1.19E-05	4.14E-06	7.71E-02	1.21E-05	4.23E-06	7.70E-02	1.21E-05	4.22E-06
5492	489666.06, 3859206.42	4.18E-02	6.58E-06	2.29E-06	4.26E-02	6.72E-06	2.34E-06	4.26E-02	6.71E-06	2.34E-06
5493	489787.9, 3859285.65	4.58E-02	7.21E-06	2.51E-06	4.67E-02	7.36E-06	2.56E-06	4.67E-02	7.35E-06	2.56E-06
5494	489752.17, 3859343.13	7.53E-02	1.19E-05	4.13E-06	7.68E-02	1.21E-05	4.22E-06	7.68E-02	1.21E-05	4.21E-06
5495	489814.94, 3859385.33	8.12E-02	1.28E-05	4.46E-06	8.29E-02	1.31E-05	4.55E-06	8.28E-02	1.30E-05	4.54E-06
5496	489853.42, 3859330.74	4.86E-02	7.66E-06	2.67E-06	4.96E-02	7.81E-06	2.72E-06	4.95E-02	7.81E-06	2.72E-06
5497	489969.5, 3859401.91	5.16E-02	8.13E-06	2.83E-06	5.26E-02	8.29E-06	2.89E-06	5.26E-02	8.28E-06	2.89E-06
5498	490166.91, 3859486.96	4.79E-02	7.54E-06	2.63E-06	4.89E-02	7.70E-06	2.68E-06	4.88E-02	7.69E-06	2.68E-06
5499	490128.86, 3859571.46	1.11E-01	1.75E-05	6.11E-06	1.14E-01	1.79E-05	6.23E-06	1.13E-01	1.79E-05	6.22E-06
5500	490186.65, 3859593.65	1.13E-01	1.78E-05	6.21E-06	1.15E-01	1.82E-05	6.34E-06	1.15E-01	1.82E-05	6.33E-06
5501	490223.74, 3859517.48	4.96E-02	7.81E-06	2.72E-06	5.06E-02	7.97E-06	2.78E-06	5.05E-02	7.96E-06	2.77E-06
5502	490846.34, 3859817.22	7.34E-02	1.16E-05	4.03E-06	7.49E-02	1.18E-05	4.11E-06	7.48E-02	1.18E-05	4.11E-06
5503	490925.65, 3859844.59	6.81E-02	1.07E-05	3.74E-06	6.95E-02	1.09E-05	3.81E-06	6.94E-02	1.09E-05	3.81E-06
5504	491159.29, 3859896.28	4.94E-02	7.79E-06	2.71E-06	5.05E-02	7.95E-06	2.77E-06	5.04E-02	7.94E-06	2.77E-06
5505	491370.69, 3859960.89	3.71E-02	5.84E-06	2.03E-06	3.78E-02	5.96E-06	2.08E-06	3.78E-02	5.95E-06	2.07E-06
5506	491330.28, 3860063.17	5.85E-02	9.22E-06	3.21E-06	5.97E-02	9.41E-06	3.28E-06	5.96E-02	9.40E-06	3.27E-06
5507	491636.45, 3860180.75	3.72E-02	5.86E-06	2.04E-06	3.79E-02	5.98E-06	2.08E-06	3.79E-02	5.97E-06	2.08E-06
5508	491617.94, 3860203.93	4.20E-02	6.62E-06	2.30E-06	4.29E-02	6.75E-06	2.35E-06	4.28E-02	6.74E-06	2.35E-06
5509	491805.68, 3860271.59	3.27E-02	5.16E-06	1.80E-06	3.34E-02	5.26E-06	1.83E-06	3.34E-02	5.26E-06	1.83E-06
5510	491654.23, 3860414.02	5.70E-02	8.97E-06	3.13E-06	5.81E-02	9.16E-06	3.19E-06	5.81E-02	9.15E-06	3.19E-06
5511	491592.62, 3860510.76	1.94E-02	3.06E-06	1.07E-06	1.98E-02	3.13E-06	1.09E-06	1.98E-02	3.12E-06	1.09E-06
5512	491475.41, 3860368.93	2.99E-02	4.71E-06	1.64E-06	3.05E-02	4.81E-06	1.68E-06	3.05E-02	4.80E-06	1.67E-06
5513	491445.61, 3860337.28	3.28E-02	5.16E-06	1.80E-06	3.35E-02	5.27E-06	1.84E-06	3.34E-02	5.26E-06	1.83E-06
5514	491399.05, 3860300.37	3.44E-02	5.42E-06	1.89E-06	3.51E-02	5.53E-06	1.93E-06	3.50E-02	5.52E-06	1.92E-06

5515	491228.84, 3860235.98	2.32E-02	3.66E-06	1.28E-06	2.37E-02	3.74E-06	1.30E-06	2.37E-02	3.73E-06	1.30E-06
5516	491228.47, 3860174.57	3.66E-02	5.77E-06	2.01E-06	3.74E-02	5.89E-06	2.05E-06	3.73E-02	5.88E-06	2.05E-06
5517	491145.77, 3860112.55	3.77E-02	5.93E-06	2.07E-06	3.84E-02	6.05E-06	2.11E-06	3.84E-02	6.05E-06	2.11E-06
5518	490844.41, 3859966.22	3.59E-02	5.66E-06	1.97E-06	3.66E-02	5.77E-06	2.01E-06	3.66E-02	5.77E-06	2.01E-06
5519	490845.55, 3859928.15	5.71E-02	9.00E-06	3.13E-06	5.83E-02	9.18E-06	3.20E-06	5.82E-02	9.17E-06	3.19E-06
5520	490046.91, 3859625.6	4.40E-02	6.93E-06	2.42E-06	4.49E-02	7.08E-06	2.47E-06	4.49E-02	7.07E-06	2.46E-06
5521	489970.48, 3859589.4	4.40E-02	6.93E-06	2.42E-06	4.49E-02	7.08E-06	2.47E-06	4.49E-02	7.07E-06	2.46E-06
5522	489865.89, 3859529.06	4.68E-02	7.37E-06	2.57E-06	4.78E-02	7.52E-06	2.62E-06	4.77E-02	7.51E-06	2.62E-06
5523	489826.89, 3859531.74	3.61E-02	5.68E-06	1.98E-06	3.68E-02	5.80E-06	2.02E-06	3.68E-02	5.79E-06	2.02E-06
5524	489410.47, 3859303.06	3.47E-02	5.47E-06	1.91E-06	3.54E-02	5.58E-06	1.95E-06	3.54E-02	5.58E-06	1.94E-06
5525	489407.15, 3859286.09	4.09E-02	6.45E-06	2.25E-06	4.18E-02	6.58E-06	2.29E-06	4.17E-02	6.57E-06	2.29E-06
5526	488806.07, 3858963.62	1.64E-02	2.58E-06	8.99E-07	1.67E-02	2.63E-06	9.17E-07	1.67E-02	2.63E-06	9.16E-07
5527	488817.64, 3859546.3	4.97E-03	7.82E-07	2.73E-07	5.07E-03	7.98E-07	2.78E-07	5.06E-03	7.97E-07	2.78E-07
5528	489187.25, 3859549.52	7.76E-03	1.22E-06	4.26E-07	7.92E-03	1.25E-06	4.35E-07	7.91E-03	1.25E-06	4.34E-07
5529	489187.66, 3859523.74	8.18E-03	1.29E-06	4.49E-07	8.35E-03	1.32E-06	4.58E-07	8.34E-03	1.31E-06	4.58E-07
5530	489232.59, 3859522.85	8.80E-03	1.39E-06	4.83E-07	8.98E-03	1.41E-06	4.93E-07	8.96E-03	1.41E-06	4.92E-07
5531	489224.98, 3859759.91	5.70E-03	8.98E-07	3.13E-07	5.81E-03	9.16E-07	3.19E-07	5.81E-03	9.15E-07	3.19E-07
5532	488401.39, 3859763.34	2.74E-03	4.31E-07	1.50E-07	2.79E-03	4.40E-07	1.53E-07	2.79E-03	4.39E-07	1.53E-07
5533	488405.51, 3859966.16	2.44E-03	3.84E-07	1.34E-07	2.49E-03	3.92E-07	1.36E-07	2.48E-03	3.91E-07	1.36E-07
5534	489202.85, 3859956.57	4.37E-03	6.89E-07	2.40E-07	4.46E-03	7.03E-07	2.45E-07	4.46E-03	7.02E-07	2.45E-07
5535	489191.9, 3860676.74	2.25E-03	3.54E-07	1.23E-07	2.29E-03	3.61E-07	1.26E-07	2.29E-03	3.61E-07	1.26E-07
5536	488392.82, 3860687.88	1.66E-03	2.61E-07	9.10E-08	1.69E-03	2.67E-07	9.29E-08	1.69E-03	2.66E-07	9.28E-08
5537	488392.82, 3860760.27	1.61E-03	2.54E-07	8.84E-08	1.64E-03	2.59E-07	9.02E-08	1.64E-03	2.59E-07	9.01E-08
5538	487549.05, 3860777.45	1.16E-03	1.83E-07	6.37E-08	1.18E-03	1.86E-07	6.50E-08	1.18E-03	1.86E-07	6.49E-08
5539	487554.62, 3859571.83	1.65E-03	2.59E-07	9.04E-08	1.68E-03	2.65E-07	9.22E-08	1.68E-03	2.64E-07	9.21E-08
5540	485949.46, 3859558.54	8.62E-04	1.36E-07	4.73E-08	8.80E-04	1.39E-07	4.83E-08	8.79E-04	1.38E-07	4.82E-08
5541	485947.55, 3857943.61	8.71E-04	1.37E-07	4.78E-08	8.89E-04	1.40E-07	4.88E-08	8.88E-04	1.40E-07	4.87E-08
5542	484738.38, 3857940.21	7.75E-04	1.22E-07	4.25E-08	7.91E-04	1.25E-07	4.34E-08	7.90E-04	1.24E-07	4.34E-08
5543	484737.06, 3857535.68	7.71E-04	1.22E-07	4.23E-08	7.87E-04	1.24E-07	4.32E-08	7.86E-04	1.24E-07	4.32E-08
5544	483730.2, 3857530.13	7.44E-04	1.17E-07	4.08E-08	7.59E-04	1.20E-07	4.17E-08	7.58E-04	1.19E-07	4.16E-08
5545	483727.27, 3857130.01	7.66E-04	1.21E-07	4.21E-08	7.82E-04	1.23E-07	4.29E-08	7.81E-04	1.23E-07	4.29E-08
5546	483124.42, 3857123.45	7.51E-04	1.18E-07	4.12E-08	7.66E-04	1.21E-07	4.21E-08	7.66E-04	1.21E-07	4.20E-08
5547	483111.13, 3855921.03	9.82E-04	1.55E-07	5.39E-08	1.00E-03	1.58E-07	5.50E-08	1.00E-03	1.58E-07	5.50E-08
5548	482701.73, 3855918.24	9.74E-04	1.53E-07	5.34E-08	9.94E-04	1.57E-07	5.45E-08	9.93E-04	1.56E-07	5.45E-08
5549	482668.02, 3853521.78	9.81E-03	1.55E-06	5.38E-07	1.00E-02	1.58E-06	5.49E-07	1.00E-02	1.57E-06	5.49E-07
5550	482579.91, 3853219.19	1.97E-02	3.10E-06	1.08E-06	2.01E-02	3.16E-06	1.10E-06	2.00E-02	3.16E-06	1.10E-06
5551	482434.06, 3852961.94	2.69E-02	4.24E-06	1.48E-06	2.75E-02	4.33E-06	1.51E-06	2.74E-02	4.32E-06	1.51E-06
5552	482332.11, 3852832.85	3.11E-02	4.90E-06	1.71E-06	3.17E-02	5.00E-06	1.74E-06	3.17E-02	4.99E-06	1.74E-06
5553	481334.99, 3851818.96	3.12E-02	4.91E-06	1.71E-06	3.18E-02	5.01E-06	1.75E-06	3.18E-02	5.00E-06	1.74E-06
5554	481127.62, 3851646.36	3.28E-02	5.17E-06	1.80E-06	3.35E-02	5.28E-06	1.84E-06	3.35E-02	5.27E-06	1.84E-06
5555	481025.04, 3851591.73	3.07E-02	4.84E-06	1.68E-06	3.13E-02	4.93E-06	1.72E-06	3.13E-02	4.93E-06	1.72E-06
5556	480513.6, 3851335.76	3.08E-02	4.84E-06	1.69E-06	3.14E-02	4.94E-06	1.72E-06	3.13E-02	4.94E-06	1.72E-06
5557	480523.56, 3851317.66	3.61E-02	5.69E-06	1.98E-06	3.69E-02	5.81E-06	2.02E-06	3.68E-02	5.80E-06	2.02E-06
5558	476921.56, 3849569.11	3.82E-02	6.02E-06	2.10E-06	3.90E-02	6.15E-06	2.14E-06	3.90E-02	6.14E-06	2.14E-06
5559	476521.19, 3849373.96	5.09E-02	8.02E-06	2.79E-06	5.20E-02	8.19E-06	2.85E-06	5.19E-02	8.18E-06	2.85E-06
5560	476391.45, 3849333.38	5.22E-02	8.22E-06	2.86E-06	5.32E-02	8.39E-06	2.92E-06	5.32E-02	8.38E-06	2.92E-06
5561	476219.41, 3849304.29	4.98E-02	7.85E-06	2.73E-06	5.08E-02	8.01E-06	2.79E-06	5.08E-02	8.00E-06	2.79E-06
5562	475679.11, 3849218.47	4.39E-02	6.91E-06	2.41E-06	4.48E-02	7.05E-06	2.46E-06	4.47E-02	7.04E-06	2.45E-06
5563	475677.71, 3849233.88	3.62E-02	5.70E-06	1.99E-06	3.69E-02	5.82E-06	2.03E-06	3.69E-02	5.81E-06	2.02E-06
5564	475492.74, 3849204.66	2.30E-02	3.63E-06	1.26E-06	2.35E-02	3.70E-06	1.29E-06	2.35E-02	3.70E-06	1.29E-06
5565	475497.64, 3849158.75	5.62E-02	8.85E-06	3.08E-06	5.73E-02	9.03E-06	3.15E-06	5.73E-02	9.02E-06	3.14E-06
5566	475391.35, 3849141.94	3.84E-02	6.05E-06	2.11E-06	3.92E-02	6.17E-06	2.15E-06	3.91E-02	6.16E-06	2.15E-06
5567	475277, 3849095.47	3.31E-02	5.21E-06	1.82E-06	3.38E-02	5.32E-06	1.85E-06	3.37E-02	5.31E-06	1.85E-06
5568	475183.93, 3849025.66	3.81E-02	6.00E-06	2.09E-06	3.89E-02	6.13E-06	2.13E-06	3.88E-02	6.12E-06	2.13E-06
5569	474453.23, 3848378.77	4.34E-02	6.84E-06	2.38E-06	4.43E-02	6.98E-06	2.43E-06	4.43E-02	6.97E-06	2.43E-06
5570	474569.63, 3848399.34	8.30E-02	1.31E-05	4.55E-06	8.47E-02	1.33E-05	4.65E-06	8.46E-02	1.33E-05	4.64E-06
5571	474644.33, 3848464.52	7.67E-02	1.21E-05	4.21E-06	7.82E-02	1.23E-05	4.29E-06	7.81E-02	1.23E-05	4.29E-06
5572	474719.04, 3848529.7	9.98E-02	1.57E-05	5.48E-06	1.02E-01	1.60E-05	5.59E-06	1.02E-01	1.60E-05	5.58E-06
5573	474793.74, 3848594.88	8.53E-02	1.34E-05	4.68E-06	8.71E-02	1.37E-05	4.78E-06	8.70E-02	1.37E-05	4.77E-06
5574	474868.45, 3848660.07	9.88E-02	1.56E-05	5.42E-06	1.01E-01	1.59E-05	5.53E-06	1.01E-01	1.59E-05	5.53E-06
5575	474943.15, 3848725.25	9.85E-02	1.55E-05	5.41E-06	1.00E-01	1.58E-05	5.52E-06	1.00E-01	1.58E-05	5.51E-06
5576	475017.86, 3848790.43	9.92E-02	1.56E-05	5.45E-06	1.01E-01	1.60E-05	5.56E-06	1.01E-01	1.59E-05	5.55E-06

5577 475092.56, 3848855.61	9.92E-02	1.56E-05	5.45E-06	1.01E-01	1.59E-05	5.56E-06	1.01E-01	1.59E-05	5.55E-06
5578 475232.58, 3848959.38	9.56E-02	1.51E-05	5.25E-06	9.76E-02	1.54E-05	5.35E-06	9.74E-02	1.54E-05	5.35E-06
5579 475368.47, 3849029.98	9.78E-02	1.54E-05	5.37E-06	9.98E-02	1.57E-05	5.48E-06	9.96E-02	1.57E-05	5.47E-06
5580 475609.57, 3849096.09	8.23E-02	1.30E-05	4.52E-06	8.40E-02	1.32E-05	4.61E-06	8.39E-02	1.32E-05	4.61E-06
5581 475680.68, 3849116.62	9.12E-02	1.44E-05	5.00E-06	9.30E-02	1.47E-05	5.11E-06	9.29E-02	1.46E-05	5.10E-06
5582 475843.76, 3849151.52	1.09E-01	1.72E-05	5.99E-06	1.11E-01	1.75E-05	6.11E-06	1.11E-01	1.75E-05	6.10E-06
5583 475935.73, 3849165.89	1.05E-01	1.65E-05	5.74E-06	1.07E-01	1.68E-05	5.85E-06	1.07E-01	1.68E-05	5.85E-06
5584 476027.71, 3849180.27	1.06E-01	1.67E-05	5.82E-06	1.08E-01	1.70E-05	5.93E-06	1.08E-01	1.70E-05	5.93E-06
5585 476119.68, 3849194.64	1.19E-01	1.88E-05	6.56E-06	1.22E-01	1.92E-05	6.69E-06	1.22E-01	1.92E-05	6.68E-06
5586 476211.65, 3849209.01	1.24E-01	1.96E-05	6.82E-06	1.27E-01	2.00E-05	6.96E-06	1.27E-01	2.00E-05	6.95E-06
5587 476497.81, 3849283.9	1.16E-01	1.82E-05	6.36E-06	1.18E-01	1.86E-05	6.49E-06	1.18E-01	1.86E-05	6.48E-06
5588 476603.73, 3849323.77	1.24E-01	1.95E-05	6.78E-06	1.26E-01	1.99E-05	6.92E-06	1.26E-01	1.98E-05	6.91E-06
5589 476728.99, 3849382.76	9.63E-02	1.52E-05	5.28E-06	9.83E-02	1.55E-05	5.39E-06	9.81E-02	1.55E-05	5.39E-06
5590 476801.27, 3849418.65	1.01E-01	1.59E-05	5.55E-06	1.03E-01	1.63E-05	5.66E-06	1.03E-01	1.62E-05	5.66E-06
5591 476956.2, 3849495.05	1.10E-01	1.73E-05	6.03E-06	1.12E-01	1.77E-05	6.15E-06	1.12E-01	1.76E-05	6.14E-06
5592 477038.84, 3849535.56	1.03E-01	1.62E-05	5.66E-06	1.05E-01	1.66E-05	5.77E-06	1.05E-01	1.66E-05	5.77E-06
5593 477121.49, 3849576.08	1.01E-01	1.59E-05	5.55E-06	1.03E-01	1.63E-05	5.67E-06	1.03E-01	1.62E-05	5.66E-06
5594 477204.13, 3849616.6	9.85E-02	1.55E-05	5.40E-06	1.00E-01	1.58E-05	5.51E-06	1.00E-01	1.58E-05	5.51E-06
5595 477286.78, 3849657.12	9.20E-02	1.45E-05	5.05E-06	9.38E-02	1.48E-05	5.15E-06	9.37E-02	1.48E-05	5.14E-06
5596 477369.42, 3849697.63	8.94E-02	1.41E-05	4.90E-06	9.12E-02	1.44E-05	5.00E-06	9.11E-02	1.43E-05	5.00E-06
5597 477452.07, 3849738.15	9.10E-02	1.43E-05	4.99E-06	9.28E-02	1.46E-05	5.10E-06	9.27E-02	1.46E-05	5.09E-06
5598 477534.71, 3849778.67	8.71E-02	1.37E-05	4.78E-06	8.89E-02	1.40E-05	4.88E-06	8.88E-02	1.40E-05	4.87E-06
5599 477617.36, 3849819.18	8.67E-02	1.37E-05	4.76E-06	8.84E-02	1.39E-05	4.85E-06	8.83E-02	1.39E-05	4.85E-06
5600 477824.74, 3849896.37	1.09E-01	1.72E-05	5.99E-06	1.11E-01	1.75E-05	6.11E-06	1.11E-01	1.75E-05	6.10E-06
5601 477906.31, 3849936.37	1.17E-01	1.84E-05	6.41E-06	1.19E-01	1.88E-05	6.54E-06	1.19E-01	1.88E-05	6.53E-06
5602 477987.89, 3849976.36	1.14E-01	1.79E-05	6.23E-06	1.16E-01	1.82E-05	6.36E-06	1.16E-01	1.82E-05	6.35E-06
5603 478069.47, 3850016.36	1.18E-01	1.86E-05	6.48E-06	1.20E-01	1.90E-05	6.61E-06	1.20E-01	1.90E-05	6.60E-06
5604 478151.04, 3850056.35	1.06E-01	1.66E-05	5.79E-06	1.08E-01	1.70E-05	5.91E-06	1.08E-01	1.69E-05	5.90E-06
5605 478232.62, 3850096.35	1.06E-01	1.67E-05	5.82E-06	1.08E-01	1.70E-05	5.94E-06	1.08E-01	1.70E-05	5.93E-06
5606 478314.2, 3850136.34	1.06E-01	1.67E-05	5.80E-06	1.08E-01	1.70E-05	5.92E-06	1.08E-01	1.70E-05	5.91E-06
5607 478395.77, 3850176.34	1.05E-01	1.65E-05	5.77E-06	1.07E-01	1.69E-05	5.88E-06	1.07E-01	1.69E-05	5.88E-06
5608 478575.43, 3850244.45	9.63E-02	1.52E-05	5.28E-06	9.83E-02	1.55E-05	5.39E-06	9.81E-02	1.55E-05	5.39E-06
5609 478665.06, 3850287.29	9.56E-02	1.51E-05	5.25E-06	9.76E-02	1.54E-05	5.36E-06	9.75E-02	1.54E-05	5.35E-06
5610 478754.69, 3850330.14	9.47E-02	1.49E-05	5.20E-06	9.66E-02	1.52E-05	5.30E-06	9.65E-02	1.52E-05	5.30E-06
5611 478844.32, 3850372.99	9.25E-02	1.46E-05	5.08E-06	9.44E-02	1.49E-05	5.18E-06	9.43E-02	1.49E-05	5.18E-06
5612 478933.95, 3850415.84	8.95E-02	1.41E-05	4.91E-06	9.13E-02	1.44E-05	5.01E-06	9.12E-02	1.44E-05	5.00E-06
5613 479023.58, 3850458.68	9.27E-02	1.46E-05	5.09E-06	9.46E-02	1.49E-05	5.19E-06	9.45E-02	1.49E-05	5.19E-06
5614 479110.66, 3850441.91	5.87E-02	9.25E-06	3.22E-06	5.99E-02	9.43E-06	3.29E-06	5.98E-02	9.42E-06	3.28E-06
5615 479191.22, 3850423.99	4.47E-02	7.04E-06	2.45E-06	4.56E-02	7.19E-06	2.50E-06	4.56E-02	7.18E-06	2.50E-06
5616 479274.32, 3850465.71	4.54E-02	7.16E-06	2.49E-06	4.64E-02	7.30E-06	2.54E-06	4.63E-02	7.29E-06	2.54E-06
5617 479357.43, 3850507.42	4.64E-02	7.31E-06	2.55E-06	4.73E-02	7.46E-06	2.60E-06	4.73E-02	7.45E-06	2.59E-06
5618 479440.53, 3850549.14	4.66E-02	7.34E-06	2.56E-06	4.76E-02	7.49E-06	2.61E-06	4.75E-02	7.48E-06	2.61E-06
5619 479523.64, 3850590.85	4.67E-02	7.36E-06	2.56E-06	4.77E-02	7.51E-06	2.62E-06	4.76E-02	7.50E-06	2.61E-06
5620 479606.74, 3850632.57	4.71E-02	7.42E-06	2.58E-06	4.80E-02	7.57E-06	2.64E-06	4.80E-02	7.56E-06	2.63E-06
5621 479777.37, 3850707.61	4.53E-02	7.14E-06	2.49E-06	4.63E-02	7.29E-06	2.54E-06	4.62E-02	7.28E-06	2.54E-06
5622 479864.9, 3850740.95	4.38E-02	6.90E-06	2.40E-06	4.47E-02	7.04E-06	2.45E-06	4.46E-02	7.03E-06	2.45E-06
5623 479931.87, 3850829.57	5.72E-02	9.01E-06	3.14E-06	5.83E-02	9.19E-06	3.20E-06	5.83E-02	9.18E-06	3.20E-06
5624 479995.55, 3850926.75	9.13E-02	1.44E-05	5.01E-06	9.32E-02	1.47E-05	5.11E-06	9.30E-02	1.47E-05	5.11E-06
5625 480079.78, 3850968.64	9.11E-02	1.44E-05	5.00E-06	9.30E-02	1.46E-05	5.10E-06	9.29E-02	1.46E-05	5.10E-06
5626 480164.01, 3851010.54	9.07E-02	1.43E-05	4.98E-06	9.26E-02	1.46E-05	5.08E-06	9.25E-02	1.46E-05	5.08E-06
5627 480248.23, 3851052.43	8.98E-02	1.41E-05	4.93E-06	9.16E-02	1.44E-05	5.03E-06	9.15E-02	1.44E-05	5.02E-06
5628 480332.46, 3851094.33	9.09E-02	1.43E-05	4.99E-06	9.27E-02	1.46E-05	5.09E-06	9.26E-02	1.46E-05	5.08E-06
5629 480416.69, 3851136.22	9.55E-02	1.50E-05	5.24E-06	9.75E-02	1.54E-05	5.35E-06	9.74E-02	1.53E-05	5.34E-06
5630 480579.95, 3851215.17	9.76E-02	1.54E-05	5.35E-06	9.95E-02	1.57E-05	5.46E-06	9.94E-02	1.57E-05	5.46E-06
5631 480658.98, 3851252.22	9.66E-02	1.52E-05	5.30E-06	9.85E-02	1.55E-05	5.41E-06	9.84E-02	1.55E-05	5.40E-06
5632 480817.36, 3851327.85	9.54E-02	1.50E-05	5.24E-06	9.74E-02	1.53E-05	5.34E-06	9.73E-02	1.53E-05	5.34E-06
5633 480896.72, 3851366.43	9.59E-02	1.51E-05	5.26E-06	9.79E-02	1.54E-05	5.37E-06	9.78E-02	1.54E-05	5.37E-06
5634 480976.07, 3851405	9.57E-02	1.51E-05	5.25E-06	9.77E-02	1.54E-05	5.36E-06	9.76E-02	1.54E-05	5.36E-06
5635 481178, 3851487.31	7.20E-02	1.13E-05	3.95E-06	7.34E-02	1.16E-05	4.03E-06	7.33E-02	1.16E-05	4.03E-06
5636 481244.9, 3851557.17	7.96E-02	1.25E-05	4.37E-06	8.13E-02	1.28E-05	4.46E-06	8.12E-02	1.28E-05	4.45E-06
5637 481311.81, 3851627.03	8.82E-02	1.39E-05	4.84E-06	9.00E-02	1.42E-05	4.94E-06	8.99E-02	1.42E-05	4.94E-06
5638 481378.71, 3851696.89	8.99E-02	1.42E-05	4.93E-06	9.18E-02	1.45E-05	5.04E-06	9.16E-02	1.44E-05	5.03E-06

5639	481445.61, 3851766.76	9.40E-02	1.48E-05	5.16E-06	9.59E-02	1.51E-05	5.27E-06	9.58E-02	1.51E-05	5.26E-06
5640	481512.51, 3851836.62	9.45E-02	1.49E-05	5.19E-06	9.64E-02	1.52E-05	5.29E-06	9.63E-02	1.52E-05	5.29E-06
5641	481579.42, 3851906.48	9.35E-02	1.47E-05	5.13E-06	9.54E-02	1.50E-05	5.24E-06	9.53E-02	1.50E-05	5.23E-06
5642	481646.32, 3851976.34	9.34E-02	1.47E-05	5.13E-06	9.53E-02	1.50E-05	5.23E-06	9.52E-02	1.50E-05	5.23E-06
5643	481713.22, 3852046.2	9.27E-02	1.46E-05	5.09E-06	9.46E-02	1.49E-05	5.19E-06	9.45E-02	1.49E-05	5.19E-06
5644	481780.12, 3852116.06	9.31E-02	1.47E-05	5.11E-06	9.50E-02	1.50E-05	5.21E-06	9.49E-02	1.49E-05	5.21E-06
5645	481847.03, 3852185.92	9.31E-02	1.47E-05	5.11E-06	9.50E-02	1.50E-05	5.22E-06	9.49E-02	1.50E-05	5.21E-06
5646	481913.93, 3852255.78	9.25E-02	1.46E-05	5.08E-06	9.44E-02	1.49E-05	5.18E-06	9.43E-02	1.49E-05	5.18E-06
5647	481980.83, 3852325.65	8.78E-02	1.38E-05	4.82E-06	8.96E-02	1.41E-05	4.92E-06	8.95E-02	1.41E-05	4.91E-06
5648	482047.73, 3852395.51	8.95E-02	1.41E-05	4.91E-06	9.13E-02	1.44E-05	5.01E-06	9.12E-02	1.44E-05	5.00E-06
5649	482114.64, 3852465.37	8.61E-02	1.36E-05	4.73E-06	8.79E-02	1.38E-05	4.82E-06	8.78E-02	1.38E-05	4.82E-06
5650	482181.54, 3852535.23	8.92E-02	1.41E-05	4.90E-06	9.10E-02	1.43E-05	5.00E-06	9.09E-02	1.43E-05	4.99E-06
5651	482338.69, 3852700.05	9.07E-02	1.43E-05	4.98E-06	9.26E-02	1.46E-05	5.08E-06	9.25E-02	1.46E-05	5.07E-06
5652	482404.05, 3852767.78	9.02E-02	1.42E-05	4.95E-06	9.20E-02	1.45E-05	5.05E-06	9.19E-02	1.45E-05	5.04E-06
5653	482469.4, 3852835.52	9.12E-02	1.44E-05	5.00E-06	9.31E-02	1.47E-05	5.11E-06	9.29E-02	1.46E-05	5.10E-06
5654	482534.75, 3852903.25	9.05E-02	1.43E-05	4.97E-06	9.23E-02	1.45E-05	5.07E-06	9.22E-02	1.45E-05	5.06E-06
5655	482600.11, 3852970.99	8.41E-02	1.32E-05	4.62E-06	8.58E-02	1.35E-05	4.71E-06	8.57E-02	1.35E-05	4.70E-06
5656	482706.71, 3853119.28	7.85E-02	1.24E-05	4.31E-06	8.02E-02	1.26E-05	4.40E-06	8.01E-02	1.26E-05	4.39E-06
5657	482747.96, 3853199.84	7.95E-02	1.25E-05	4.36E-06	8.11E-02	1.28E-05	4.45E-06	8.10E-02	1.28E-05	4.45E-06
5658	482789.21, 3853280.4	7.36E-02	1.16E-05	4.04E-06	7.51E-02	1.18E-05	4.12E-06	7.50E-02	1.18E-05	4.12E-06
5659	482830.46, 3853360.96	6.63E-02	1.04E-05	3.64E-06	6.77E-02	1.07E-05	3.71E-06	6.76E-02	1.07E-05	3.71E-06
5660	482871.71, 3853441.52	5.54E-02	8.72E-06	3.04E-06	5.65E-02	8.90E-06	3.10E-06	5.64E-02	8.89E-06	3.10E-06
5661	482912.95, 3853522.07	1.54E-02	2.42E-06	8.44E-07	1.57E-02	2.47E-06	8.62E-07	1.57E-02	2.47E-06	8.61E-07
5662	482954.2, 3853602.63	7.93E-03	1.25E-06	4.35E-07	8.09E-03	1.27E-06	4.44E-07	8.08E-03	1.27E-06	4.43E-07
5663	482995.45, 3853683.19	5.71E-03	8.99E-07	3.13E-07	5.82E-03	9.17E-07	3.20E-07	5.82E-03	9.16E-07	3.19E-07
5664	483036.7, 3853763.75	4.56E-03	7.18E-07	2.50E-07	4.65E-03	7.33E-07	2.55E-07	4.65E-03	7.32E-07	2.55E-07
5665	483214.2, 3853909.91	3.31E-03	5.21E-07	1.81E-07	3.37E-03	5.32E-07	1.85E-07	3.37E-03	5.31E-07	1.85E-07
5666	483307.01, 3853910.44	3.35E-03	5.28E-07	1.84E-07	3.42E-03	5.39E-07	1.88E-07	3.42E-03	5.38E-07	1.87E-07
5667	483399.83, 3853910.96	3.34E-03	5.26E-07	1.83E-07	3.41E-03	5.37E-07	1.87E-07	3.40E-03	5.36E-07	1.87E-07
5668	483494.52, 3854009.24	2.93E-03	4.62E-07	1.61E-07	2.99E-03	4.72E-07	1.64E-07	2.99E-03	4.71E-07	1.64E-07
5669	483496.41, 3854106.98	2.63E-03	4.14E-07	1.44E-07	2.68E-03	4.22E-07	1.47E-07	2.68E-03	4.22E-07	1.47E-07
5670	483577.56, 3854261.96	2.19E-03	3.44E-07	1.20E-07	2.23E-03	3.52E-07	1.22E-07	2.23E-03	3.51E-07	1.22E-07
5671	483656.83, 3854319.19	2.04E-03	3.21E-07	1.12E-07	2.08E-03	3.27E-07	1.14E-07	2.08E-03	3.27E-07	1.14E-07
5672	483736.1, 3854376.41	1.90E-03	2.99E-07	1.04E-07	1.94E-03	3.05E-07	1.06E-07	1.93E-03	3.05E-07	1.06E-07
5673	483815.37, 3854433.64	1.77E-03	2.79E-07	9.71E-08	1.81E-03	2.84E-07	9.91E-08	1.80E-03	2.84E-07	9.90E-08
5674	483894.63, 3854490.87	1.65E-03	2.60E-07	9.04E-08	1.68E-03	2.65E-07	9.23E-08	1.68E-03	2.65E-07	9.22E-08
5675	483973.9, 3854548.1	1.54E-03	2.42E-07	8.45E-08	1.57E-03	2.47E-07	8.62E-08	1.57E-03	2.47E-07	8.61E-08
5676	484053.17, 3854605.32	1.46E-03	2.30E-07	8.02E-08	1.49E-03	2.35E-07	8.18E-08	1.49E-03	2.35E-07	8.17E-08
5677	484214.97, 3854698.15	1.37E-03	2.16E-07	7.53E-08	1.40E-03	2.21E-07	7.69E-08	1.40E-03	2.20E-07	7.68E-08
5678	484297.5, 3854733.74	1.38E-03	2.17E-07	7.56E-08	1.41E-03	2.21E-07	7.71E-08	1.40E-03	2.21E-07	7.71E-08
5679	484380.03, 3854769.34	1.36E-03	2.14E-07	7.45E-08	1.38E-03	2.18E-07	7.60E-08	1.38E-03	2.18E-07	7.59E-08
5680	484462.56, 3854804.94	1.36E-03	2.14E-07	7.44E-08	1.38E-03	2.18E-07	7.60E-08	1.38E-03	2.18E-07	7.59E-08
5681	484545.09, 3854840.53	1.33E-03	2.10E-07	7.30E-08	1.36E-03	2.14E-07	7.45E-08	1.36E-03	2.14E-07	7.44E-08
5682	484691.88, 3854912.59	1.33E-03	2.09E-07	7.29E-08	1.36E-03	2.13E-07	7.44E-08	1.35E-03	2.13E-07	7.43E-08
5683	484830.81, 3855012.51	1.30E-03	2.05E-07	7.13E-08	1.33E-03	2.09E-07	7.28E-08	1.32E-03	2.09E-07	7.27E-08
5684	484905.48, 3855075.97	1.29E-03	2.03E-07	7.09E-08	1.32E-03	2.08E-07	7.23E-08	1.32E-03	2.07E-07	7.22E-08
5685	484980.14, 3855139.44	1.27E-03	2.00E-07	6.98E-08	1.30E-03	2.04E-07	7.12E-08	1.30E-03	2.04E-07	7.11E-08
5686	485054.81, 3855202.91	1.24E-03	1.96E-07	6.82E-08	1.27E-03	2.00E-07	6.96E-08	1.27E-03	2.00E-07	6.95E-08
5687	485129.48, 3855266.37	1.21E-03	1.90E-07	6.61E-08	1.23E-03	1.94E-07	6.75E-08	1.23E-03	1.94E-07	6.74E-08
5688	485204.15, 3855329.84	1.19E-03	1.87E-07	6.52E-08	1.21E-03	1.91E-07	6.65E-08	1.21E-03	1.91E-07	6.65E-08
5689	485278.82, 3855393.31	1.16E-03	1.83E-07	6.38E-08	1.19E-03	1.87E-07	6.51E-08	1.18E-03	1.87E-07	6.50E-08
5690	485353.48, 3855456.77	1.14E-03	1.80E-07	6.27E-08	1.17E-03	1.84E-07	6.39E-08	1.16E-03	1.83E-07	6.39E-08
5691	485428.15, 3855520.24	1.12E-03	1.76E-07	6.14E-08	1.14E-03	1.80E-07	6.26E-08	1.14E-03	1.80E-07	6.26E-08
5692	485502.82, 3855583.71	1.10E-03	1.73E-07	6.02E-08	1.12E-03	1.76E-07	6.14E-08	1.12E-03	1.76E-07	6.13E-08
5693	485577.49, 3855647.17	1.08E-03	1.70E-07	5.94E-08	1.10E-03	1.74E-07	6.06E-08	1.10E-03	1.74E-07	6.05E-08
5694	485652.16, 3855710.64	1.07E-03	1.68E-07	5.85E-08	1.09E-03	1.71E-07	5.97E-08	1.09E-03	1.71E-07	5.97E-08
5695	485726.83, 3855774.11	1.05E-03	1.65E-07	5.76E-08	1.07E-03	1.69E-07	5.87E-08	1.07E-03	1.68E-07	5.87E-08
5696	485801.49, 3855837.57	1.03E-03	1.62E-07	5.65E-08	1.05E-03	1.66E-07	5.77E-08	1.05E-03	1.65E-07	5.76E-08
5697	485876.16, 3855901.04	1.01E-03	1.60E-07	5.56E-08	1.03E-03	1.63E-07	5.68E-08	1.03E-03	1.63E-07	5.67E-08
5698	485950.83, 3855964.5	9.98E-04	1.57E-07	5.48E-08	1.02E-03	1.60E-07	5.59E-08	1.02E-03	1.60E-07	5.58E-08
5699	486025.5, 3856027.97	9.80E-04	1.54E-07	5.38E-08	1.00E-03	1.58E-07	5.49E-08	9.99E-04	1.57E-07	5.48E-08
5700	486100.17, 3856091.44	9.74E-04	1.53E-07	5.34E-08	9.93E-04	1.57E-07	5.45E-08	9.92E-04	1.56E-07	5.45E-08

5701	486174.83, 3856154.9	9.57E-04	1.51E-07	5.25E-08	9.76E-04	1.54E-07	5.36E-08	9.75E-04	1.54E-07	5.35E-08
5702	486249.5, 3856218.37	9.33E-04	1.47E-07	5.12E-08	9.52E-04	1.50E-07	5.22E-08	9.51E-04	1.50E-07	5.22E-08
5703	486324.17, 3856281.84	9.11E-04	1.43E-07	5.00E-08	9.29E-04	1.46E-07	5.10E-08	9.28E-04	1.46E-07	5.09E-08
5704	486398.84, 3856345.3	9.04E-04	1.42E-07	4.96E-08	9.23E-04	1.45E-07	5.06E-08	9.22E-04	1.45E-07	5.06E-08
5705	486473.51, 3856408.77	8.95E-04	1.41E-07	4.91E-08	9.13E-04	1.44E-07	5.01E-08	9.12E-04	1.44E-07	5.01E-08
5706	486548.17, 3856472.24	8.91E-04	1.40E-07	4.89E-08	9.10E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.99E-08
5707	486622.84, 3856535.7	8.89E-04	1.40E-07	4.88E-08	9.07E-04	1.43E-07	4.98E-08	9.06E-04	1.43E-07	4.97E-08
5708	486765.48, 3856659.69	8.92E-04	1.40E-07	4.89E-08	9.10E-04	1.43E-07	4.99E-08	9.09E-04	1.43E-07	4.99E-08
5709	486833.44, 3856720.2	8.93E-04	1.41E-07	4.90E-08	9.11E-04	1.43E-07	5.00E-08	9.10E-04	1.43E-07	4.99E-08
5710	486901.41, 3856780.72	8.96E-04	1.41E-07	4.92E-08	9.15E-04	1.44E-07	5.02E-08	9.14E-04	1.44E-07	5.01E-08
5711	486969.38, 3856841.24	9.00E-04	1.42E-07	4.94E-08	9.18E-04	1.45E-07	5.04E-08	9.17E-04	1.44E-07	5.03E-08
5712	487037.34, 3856901.75	9.05E-04	1.43E-07	4.96E-08	9.23E-04	1.45E-07	5.07E-08	9.22E-04	1.45E-07	5.06E-08
5713	487271.23, 3856855.51	9.06E-04	1.43E-07	4.97E-08	9.24E-04	1.46E-07	5.07E-08	9.23E-04	1.45E-07	5.07E-08
5714	487368.96, 3856857.29	9.03E-04	1.42E-07	4.96E-08	9.22E-04	1.45E-07	5.06E-08	9.20E-04	1.45E-07	5.05E-08
5715	487466.68, 3856859.06	9.03E-04	1.42E-07	4.96E-08	9.22E-04	1.45E-07	5.06E-08	9.20E-04	1.45E-07	5.05E-08
5716	487636.44, 3856930	9.10E-04	1.43E-07	5.00E-08	9.29E-04	1.46E-07	5.10E-08	9.28E-04	1.46E-07	5.09E-08
5717	487709.57, 3856928.43	9.14E-04	1.44E-07	5.02E-08	9.33E-04	1.47E-07	5.12E-08	9.32E-04	1.47E-07	5.11E-08
5718	487782.55, 3856841.96	9.11E-04	1.43E-07	5.00E-08	9.29E-04	1.46E-07	5.10E-08	9.28E-04	1.46E-07	5.09E-08
5719	487849.83, 3856754.74	9.08E-04	1.43E-07	4.99E-08	9.27E-04	1.46E-07	5.09E-08	9.26E-04	1.46E-07	5.08E-08
5720	487918.03, 3856819.39	9.17E-04	1.44E-07	5.03E-08	9.35E-04	1.47E-07	5.13E-08	9.34E-04	1.47E-07	5.13E-08
5721	487918.8, 3856886.37	9.24E-04	1.46E-07	5.07E-08	9.43E-04	1.49E-07	5.18E-08	9.42E-04	1.48E-07	5.17E-08
5722	488065.47, 3857127.51	9.53E-04	1.50E-07	5.23E-08	9.72E-04	1.53E-07	5.34E-08	9.71E-04	1.53E-07	5.33E-08
5723	488192.19, 3857385.84	1.02E-03	1.61E-07	5.61E-08	1.04E-03	1.64E-07	5.73E-08	1.04E-03	1.64E-07	5.72E-08
5724	488191.22, 3857473.87	1.06E-03	1.66E-07	5.79E-08	1.08E-03	1.70E-07	5.91E-08	1.08E-03	1.69E-07	5.90E-08
5725	488190.24, 3857561.91	1.09E-03	1.72E-07	6.00E-08	1.12E-03	1.76E-07	6.13E-08	1.12E-03	1.76E-07	6.12E-08
5726	488158.35, 3857691.13	1.16E-03	1.82E-07	6.35E-08	1.18E-03	1.86E-07	6.48E-08	1.18E-03	1.86E-07	6.47E-08
5727	488208.37, 3857816.66	1.24E-03	1.95E-07	6.79E-08	1.26E-03	1.99E-07	6.93E-08	1.26E-03	1.99E-07	6.92E-08
5728	488271.97, 3857874.6	1.29E-03	2.03E-07	7.07E-08	1.31E-03	2.07E-07	7.21E-08	1.31E-03	2.07E-07	7.21E-08
5729	488463.56, 3857942.31	1.39E-03	2.19E-07	7.64E-08	1.42E-03	2.24E-07	7.79E-08	1.42E-03	2.23E-07	7.78E-08
5730	488554.83, 3857940.83	1.40E-03	2.20E-07	7.68E-08	1.43E-03	2.25E-07	7.83E-08	1.43E-03	2.25E-07	7.82E-08
5731	488646.1, 3857939.36	1.41E-03	2.22E-07	7.72E-08	1.43E-03	2.26E-07	7.87E-08	1.43E-03	2.26E-07	7.87E-08
5732	488737.37, 3857937.88	1.42E-03	2.23E-07	7.77E-08	1.44E-03	2.28E-07	7.93E-08	1.44E-03	2.27E-07	7.92E-08
5733	488733.59, 3857960.57	1.44E-03	2.26E-07	7.89E-08	1.47E-03	2.31E-07	8.05E-08	1.46E-03	2.31E-07	8.04E-08
5734	488638.09, 3857961.57	1.43E-03	2.25E-07	7.83E-08	1.46E-03	2.29E-07	7.99E-08	1.45E-03	2.29E-07	7.98E-08
5735	488542.6, 3857962.56	1.42E-03	2.24E-07	7.81E-08	1.45E-03	2.29E-07	7.97E-08	1.45E-03	2.28E-07	7.96E-08
5736	488447.1, 3857963.56	1.41E-03	2.22E-07	7.75E-08	1.44E-03	2.27E-07	7.91E-08	1.44E-03	2.27E-07	7.90E-08
5737	488254.28, 3857890.36	1.30E-03	2.05E-07	7.14E-08	1.33E-03	2.09E-07	7.28E-08	1.33E-03	2.09E-07	7.27E-08
5738	488191.69, 3857833.06	1.25E-03	1.96E-07	6.84E-08	1.27E-03	2.00E-07	6.98E-08	1.27E-03	2.00E-07	6.97E-08
5739	488129.5, 3857907.43	1.29E-03	2.03E-07	7.08E-08	1.32E-03	2.08E-07	7.23E-08	1.32E-03	2.07E-07	7.22E-08
5740	488196.47, 3857968.74	1.36E-03	2.14E-07	7.44E-08	1.38E-03	2.18E-07	7.59E-08	1.38E-03	2.18E-07	7.59E-08
5741	488263.44, 3858030.04	1.43E-03	2.26E-07	7.86E-08	1.46E-03	2.30E-07	8.02E-08	1.46E-03	2.30E-07	8.01E-08
5742	488400.64, 3858132.9	1.60E-03	2.52E-07	8.77E-08	1.63E-03	2.57E-07	8.95E-08	1.63E-03	2.57E-07	8.94E-08
5743	488519.89, 3858218.38	1.80E-03	2.83E-07	9.85E-08	1.83E-03	2.89E-07	1.01E-07	1.83E-03	2.88E-07	1.00E-07
5744	488647.97, 3858214.99	1.80E-03	2.84E-07	9.88E-08	1.84E-03	2.89E-07	1.01E-07	1.84E-03	2.89E-07	1.01E-07
5745	488727.05, 3858167.67	1.72E-03	2.71E-07	9.45E-08	1.76E-03	2.77E-07	9.64E-08	1.76E-03	2.76E-07	9.63E-08
5746	488806.12, 3858120.35	1.65E-03	2.60E-07	9.06E-08	1.69E-03	2.65E-07	9.25E-08	1.68E-03	2.65E-07	9.24E-08
5747	488885.2, 3858073.03	1.58E-03	2.50E-07	8.69E-08	1.62E-03	2.55E-07	8.87E-08	1.61E-03	2.54E-07	8.86E-08
5748	489055.76, 3857991.18	1.46E-03	2.31E-07	8.04E-08	1.49E-03	2.35E-07	8.20E-08	1.49E-03	2.35E-07	8.19E-08
5749	489245.39, 3857944.55	1.34E-03	2.11E-07	7.36E-08	1.37E-03	2.16E-07	7.52E-08	1.37E-03	2.15E-07	7.51E-08
5750	489430.63, 3857930.91	1.28E-03	2.01E-07	7.00E-08	1.30E-03	2.05E-07	7.15E-08	1.30E-03	2.05E-07	7.14E-08
5751	489517.74, 3857929.36	1.25E-03	1.97E-07	6.87E-08	1.28E-03	2.01E-07	7.01E-08	1.28E-03	2.01E-07	7.00E-08
5752	489604.86, 3857927.82	1.23E-03	1.93E-07	6.74E-08	1.25E-03	1.97E-07	6.88E-08	1.25E-03	1.97E-07	6.87E-08
5753	489691.97, 3857926.28	1.22E-03	1.92E-07	6.68E-08	1.24E-03	1.96E-07	6.81E-08	1.24E-03	1.95E-07	6.80E-08
5754	489779.08, 3857924.73	1.20E-03	1.90E-07	6.61E-08	1.23E-03	1.94E-07	6.75E-08	1.23E-03	1.93E-07	6.74E-08
5755	490017.55, 3857875.09	1.13E-03	1.78E-07	6.22E-08	1.16E-03	1.82E-07	6.35E-08	1.15E-03	1.82E-07	6.34E-08
5756	490033.82, 3857960.81	1.22E-03	1.92E-07	6.69E-08	1.24E-03	1.96E-07	6.83E-08	1.24E-03	1.96E-07	6.82E-08
5757	489959.15, 3857987.49	1.27E-03	1.99E-07	6.94E-08	1.29E-03	2.03E-07	7.09E-08	1.29E-03	2.03E-07	7.08E-08
5758	489791.49, 3858016.12	1.29E-03	2.04E-07	7.10E-08	1.32E-03	2.08E-07	7.25E-08	1.32E-03	2.08E-07	7.24E-08
5759	489698.51, 3858018.07	1.31E-03	2.07E-07	7.20E-08	1.34E-03	2.11E-07	7.35E-08	1.34E-03	2.11E-07	7.34E-08
5760	489605.52, 3858020.02	1.33E-03	2.10E-07	7.32E-08	1.36E-03	2.14E-07	7.47E-08	1.36E-03	2.14E-07	7.46E-08
5761	489512.53, 3858021.96	1.36E-03	2.14E-07	7.46E-08	1.39E-03	2.19E-07	7.62E-08	1.39E-03	2.18E-07	7.61E-08
5762	489419.55, 3858023.91	1.39E-03	2.20E-07	7.65E-08	1.42E-03	2.24E-07	7.81E-08	1.42E-03	2.24E-07	7.80E-08

5763	489228.47, 3858041.29	1.45E-03	2.28E-07	7.96E-08	1.48E-03	2.33E-07	8.12E-08	1.48E-03	2.33E-07	8.11E-08
5764	489065.75, 3858085.78	1.58E-03	2.48E-07	8.65E-08	1.61E-03	2.53E-07	8.82E-08	1.61E-03	2.53E-07	8.81E-08
5765	489001.12, 3858114.86	1.63E-03	2.57E-07	8.97E-08	1.67E-03	2.63E-07	9.15E-08	1.67E-03	2.62E-07	9.14E-08
5766	488861.89, 3858189.81	1.76E-03	2.78E-07	9.69E-08	1.80E-03	2.84E-07	9.88E-08	1.80E-03	2.83E-07	9.87E-08
5767	488787.29, 3858235.69	1.86E-03	2.93E-07	1.02E-07	1.90E-03	2.99E-07	1.04E-07	1.89E-03	2.98E-07	1.04E-07
5768	488712.68, 3858281.57	1.95E-03	3.07E-07	1.07E-07	1.99E-03	3.13E-07	1.09E-07	1.99E-03	3.13E-07	1.09E-07
5769	488654.39, 3858436.17	2.41E-03	3.79E-07	1.32E-07	2.46E-03	3.87E-07	1.35E-07	2.45E-03	3.87E-07	1.35E-07
5770	488726.31, 3858505.26	2.74E-03	4.32E-07	1.50E-07	2.80E-03	4.41E-07	1.53E-07	2.79E-03	4.40E-07	1.53E-07
5771	488880.6, 3858599.28	3.45E-03	5.44E-07	1.90E-07	3.52E-03	5.55E-07	1.93E-07	3.52E-03	5.54E-07	1.93E-07
5772	489008.06, 3858714.75	5.06E-03	7.97E-07	2.78E-07	5.16E-03	8.13E-07	2.83E-07	5.16E-03	8.13E-07	2.83E-07
5773	489071.48, 3858772.72	7.34E-03	1.16E-06	4.03E-07	7.49E-03	1.18E-06	4.11E-07	7.48E-03	1.18E-06	4.10E-07
5774	489244.6, 3858920.2	2.42E-02	3.81E-06	1.33E-06	2.47E-02	3.89E-06	1.35E-06	2.47E-02	3.88E-06	1.35E-06
5775	489239.69, 3858952.23	3.07E-02	4.84E-06	1.69E-06	3.13E-02	4.94E-06	1.72E-06	3.13E-02	4.93E-06	1.72E-06
5776	489121.67, 3858854.49	1.68E-02	2.64E-06	9.19E-07	1.71E-02	2.69E-06	9.38E-07	1.71E-02	2.69E-06	9.37E-07
5777	489059.59, 3858797.27	9.00E-03	1.42E-06	4.94E-07	9.19E-03	1.45E-06	5.04E-07	9.18E-03	1.45E-06	5.04E-07
5778	488997.52, 3858740.04	5.69E-03	8.97E-07	3.12E-07	5.81E-03	9.15E-07	3.19E-07	5.80E-03	9.14E-07	3.18E-07
5779	488935.44, 3858682.82	4.44E-03	6.99E-07	2.44E-07	4.53E-03	7.13E-07	2.49E-07	4.52E-03	7.12E-07	2.48E-07
5780	488869.17, 3858848.43	1.35E-02	2.13E-06	7.42E-07	1.38E-02	2.17E-06	7.57E-07	1.38E-02	2.17E-06	7.56E-07
5781	488932.48, 3858892.69	4.67E-02	7.35E-06	2.56E-06	4.76E-02	7.50E-06	2.61E-06	4.76E-02	7.49E-06	2.61E-06
5782	489063.27, 3858977.17	7.95E-02	1.25E-05	4.36E-06	8.11E-02	1.28E-05	4.45E-06	8.10E-02	1.28E-05	4.44E-06
5783	489248.2, 3859117.15	9.59E-02	1.51E-05	5.26E-06	9.79E-02	1.54E-05	5.37E-06	9.77E-02	1.54E-05	5.36E-06
5784	489296.25, 3859049.22	4.94E-02	7.78E-06	2.71E-06	5.04E-02	7.94E-06	2.77E-06	5.04E-02	7.93E-06	2.76E-06
5785	489353.38, 3858993.97	2.99E-02	4.72E-06	1.64E-06	3.06E-02	4.81E-06	1.68E-06	3.05E-02	4.81E-06	1.67E-06
5786	489537.25, 3859120.22	3.69E-02	5.82E-06	2.03E-06	3.77E-02	5.94E-06	2.07E-06	3.77E-02	5.93E-06	2.07E-06
5787	489726.98, 3859246.04	4.38E-02	6.90E-06	2.40E-06	4.47E-02	7.04E-06	2.45E-06	4.46E-02	7.03E-06	2.45E-06
5788	489911.46, 3859366.33	4.97E-02	7.84E-06	2.73E-06	5.08E-02	8.00E-06	2.79E-06	5.07E-02	7.99E-06	2.78E-06
5789	490035.3, 3859430.26	5.00E-02	7.87E-06	2.74E-06	5.10E-02	8.03E-06	2.80E-06	5.09E-02	8.02E-06	2.79E-06
5790	490101.11, 3859458.61	4.87E-02	7.67E-06	2.67E-06	4.97E-02	7.83E-06	2.73E-06	4.96E-02	7.82E-06	2.72E-06
5791	490312.68, 3859560.3	5.23E-02	8.24E-06	2.87E-06	5.34E-02	8.41E-06	2.93E-06	5.33E-02	8.40E-06	2.93E-06
5792	490401.63, 3859603.12	5.55E-02	8.75E-06	3.05E-06	5.67E-02	8.93E-06	3.11E-06	5.66E-02	8.92E-06	3.11E-06
5793	490490.57, 3859645.94	5.89E-02	9.28E-06	3.23E-06	6.01E-02	9.47E-06	3.30E-06	6.01E-02	9.46E-06	3.30E-06
5794	490579.51, 3859688.76	6.23E-02	9.81E-06	3.42E-06	6.36E-02	1.00E-05	3.49E-06	6.35E-02	1.00E-05	3.49E-06
5795	490668.45, 3859731.58	6.42E-02	1.01E-05	3.52E-06	6.55E-02	1.03E-05	3.59E-06	6.54E-02	1.03E-05	3.59E-06
5796	490757.4, 3859774.4	7.01E-02	1.10E-05	3.85E-06	7.15E-02	1.13E-05	3.92E-06	7.14E-02	1.13E-05	3.92E-06
5797	491003.53, 3859861.82	6.31E-02	9.95E-06	3.47E-06	6.44E-02	1.02E-05	3.54E-06	6.44E-02	1.01E-05	3.53E-06
5798	491081.41, 3859879.05	5.63E-02	8.87E-06	3.09E-06	5.75E-02	9.05E-06	3.15E-06	5.74E-02	9.04E-06	3.15E-06
5799	491229.76, 3859917.82	4.54E-02	7.16E-06	2.49E-06	4.64E-02	7.30E-06	2.54E-06	4.63E-02	7.29E-06	2.54E-06
5800	491300.22, 3859939.35	4.10E-02	6.45E-06	2.25E-06	4.18E-02	6.59E-06	2.29E-06	4.18E-02	6.58E-06	2.29E-06
5801	491350.49, 3860012.03	4.55E-02	7.17E-06	2.50E-06	4.64E-02	7.31E-06	2.55E-06	4.64E-02	7.31E-06	2.54E-06
5802	491406.82, 3860092.57	5.13E-02	8.08E-06	2.81E-06	5.23E-02	8.24E-06	2.87E-06	5.23E-02	8.23E-06	2.87E-06
5803	491483.37, 3860121.96	4.57E-02	7.20E-06	2.51E-06	4.66E-02	7.34E-06	2.56E-06	4.66E-02	7.33E-06	2.56E-06
5804	491559.91, 3860151.36	4.11E-02	6.47E-06	2.25E-06	4.19E-02	6.60E-06	2.30E-06	4.18E-02	6.59E-06	2.30E-06
5805	491711.81, 3860237.76	2.83E-02	4.46E-06	1.55E-06	2.89E-02	4.55E-06	1.59E-06	2.89E-02	4.55E-06	1.58E-06
5806	491755.2, 3860319.07	4.09E-02	6.44E-06	2.24E-06	4.17E-02	6.57E-06	2.29E-06	4.17E-02	6.56E-06	2.29E-06
5807	491704.71, 3860366.54	5.85E-02	9.21E-06	3.21E-06	5.97E-02	9.40E-06	3.27E-06	5.96E-02	9.39E-06	3.27E-06
5808	491623.43, 3860462.39	3.46E-02	5.45E-06	1.90E-06	3.53E-02	5.56E-06	1.94E-06	3.53E-02	5.56E-06	1.94E-06
5809	491534.02, 3860439.85	1.98E-02	3.12E-06	1.09E-06	2.02E-02	3.18E-06	1.11E-06	2.02E-02	3.18E-06	1.11E-06
5810	491313.95, 3860268.18	2.68E-02	4.22E-06	1.47E-06	2.73E-02	4.31E-06	1.50E-06	2.73E-02	4.30E-06	1.50E-06
5811	491187.12, 3860143.56	3.73E-02	5.87E-06	2.05E-06	3.81E-02	5.99E-06	2.09E-06	3.80E-02	5.99E-06	2.09E-06
5812	491070.43, 3860075.97	3.46E-02	5.45E-06	1.90E-06	3.53E-02	5.56E-06	1.94E-06	3.53E-02	5.56E-06	1.94E-06
5813	490995.09, 3860039.39	3.24E-02	5.11E-06	1.78E-06	3.31E-02	5.21E-06	1.82E-06	3.31E-02	5.21E-06	1.81E-06
5814	490919.75, 3860002.8	3.26E-02	5.14E-06	1.79E-06	3.33E-02	5.24E-06	1.83E-06	3.32E-02	5.23E-06	1.82E-06
5815	490756.81, 3859894.53	5.60E-02	8.82E-06	3.07E-06	5.72E-02	9.00E-06	3.14E-06	5.71E-02	8.99E-06	3.13E-06
5816	490668.07, 3859860.92	5.36E-02	8.44E-06	2.94E-06	5.47E-02	8.61E-06	3.00E-06	5.46E-02	8.60E-06	3.00E-06
5817	490579.34, 3859827.3	5.35E-02	8.43E-06	2.94E-06	5.46E-02	8.60E-06	3.00E-06	5.45E-02	8.59E-06	2.99E-06
5818	490490.6, 3859793.68	5.09E-02	8.02E-06	2.80E-06	5.20E-02	8.19E-06	2.85E-06	5.19E-02	8.18E-06	2.85E-06
5819	490401.86, 3859760.07	4.92E-02	7.75E-06	2.70E-06	5.02E-02	7.90E-06	2.75E-06	5.01E-02	7.89E-06	2.75E-06
5820	490313.12, 3859726.45	4.88E-02	7.68E-06	2.68E-06	4.98E-02	7.84E-06	2.73E-06	4.97E-02	7.83E-06	2.73E-06
5821	490224.39, 3859692.83	4.81E-02	7.57E-06	2.64E-06	4.91E-02	7.73E-06	2.69E-06	4.90E-02	7.72E-06	2.69E-06
5822	490135.65, 3859659.22	4.70E-02	7.41E-06	2.58E-06	4.80E-02	7.56E-06	2.63E-06	4.80E-02	7.55E-06	2.63E-06
5823	489918.19, 3859559.23	4.60E-02	7.24E-06	2.52E-06	4.69E-02	7.39E-06	2.57E-06	4.69E-02	7.38E-06	2.57E-06
5824	489743.61, 3859486	3.58E-02	5.64E-06	1.97E-06	3.66E-02	5.76E-06	2.01E-06	3.65E-02	5.75E-06	2.00E-06

5825	489660.32, 3859440.27	3.55E-02	5.59E-06	1.95E-06	3.62E-02	5.70E-06	1.99E-06	3.62E-02	5.70E-06	1.98E-06
5826	489577.04, 3859394.53	3.53E-02	5.56E-06	1.94E-06	3.60E-02	5.68E-06	1.98E-06	3.60E-02	5.67E-06	1.98E-06
5827	489493.75, 3859348.8	3.49E-02	5.49E-06	1.91E-06	3.56E-02	5.61E-06	1.95E-06	3.55E-02	5.60E-06	1.95E-06
5828	489321.28, 3859240.02	3.96E-02	6.24E-06	2.17E-06	4.04E-02	6.37E-06	2.22E-06	4.04E-02	6.36E-06	2.22E-06
5829	489235.41, 3859193.96	3.86E-02	6.08E-06	2.12E-06	3.94E-02	6.21E-06	2.16E-06	3.93E-02	6.20E-06	2.16E-06
5830	489149.54, 3859147.89	3.39E-02	5.35E-06	1.86E-06	3.46E-02	5.46E-06	1.90E-06	3.46E-02	5.45E-06	1.90E-06
5831	489063.68, 3859101.82	3.10E-02	4.89E-06	1.70E-06	3.17E-02	4.99E-06	1.74E-06	3.16E-02	4.98E-06	1.74E-06
5832	488977.81, 3859055.75	2.78E-02	4.38E-06	1.53E-06	2.84E-02	4.47E-06	1.56E-06	2.84E-02	4.47E-06	1.56E-06
5833	488891.94, 3859009.69	2.27E-02	3.57E-06	1.25E-06	2.32E-02	3.65E-06	1.27E-06	2.31E-02	3.64E-06	1.27E-06
5834	488808, 3859060.73	1.17E-02	1.84E-06	6.42E-07	1.19E-02	1.88E-06	6.55E-07	1.19E-02	1.88E-06	6.54E-07
5835	488809.93, 3859157.85	9.13E-03	1.44E-06	5.01E-07	9.32E-03	1.47E-06	5.11E-07	9.31E-03	1.47E-06	5.11E-07
5836	488811.86, 3859254.96	7.51E-03	1.18E-06	4.12E-07	7.66E-03	1.21E-06	4.20E-07	7.65E-03	1.21E-06	4.20E-07
5837	488813.78, 3859352.07	6.38E-03	1.01E-06	3.50E-07	6.52E-03	1.03E-06	3.58E-07	6.51E-03	1.03E-06	3.57E-07
5838	488815.71, 3859449.19	5.59E-03	8.81E-07	3.07E-07	5.70E-03	8.99E-07	3.13E-07	5.70E-03	8.98E-07	3.13E-07
5839	488910.04, 3859547.11	5.49E-03	8.64E-07	3.01E-07	5.60E-03	8.82E-07	3.07E-07	5.59E-03	8.81E-07	3.07E-07
5840	489002.45, 3859547.91	6.12E-03	9.64E-07	3.36E-07	6.24E-03	9.84E-07	3.43E-07	6.24E-03	9.83E-07	3.42E-07
5841	489094.85, 3859548.72	6.89E-03	1.08E-06	3.78E-07	7.03E-03	1.11E-06	3.86E-07	7.02E-03	1.11E-06	3.85E-07
5842	489230.05, 3859601.87	7.41E-03	1.17E-06	4.07E-07	7.56E-03	1.19E-06	4.15E-07	7.55E-03	1.19E-06	4.15E-07
5843	489227.52, 3859680.89	6.45E-03	1.02E-06	3.54E-07	6.58E-03	1.04E-06	3.61E-07	6.57E-03	1.04E-06	3.61E-07
5844	489133.47, 3859760.29	5.22E-03	8.22E-07	2.86E-07	5.33E-03	8.39E-07	2.92E-07	5.32E-03	8.38E-07	2.92E-07
5845	489041.96, 3859760.67	4.79E-03	7.55E-07	2.63E-07	4.89E-03	7.70E-07	2.68E-07	4.88E-03	7.69E-07	2.68E-07
5846	488950.45, 3859761.05	4.41E-03	6.94E-07	2.42E-07	4.50E-03	7.08E-07	2.47E-07	4.49E-03	7.07E-07	2.46E-07
5847	488858.94, 3859761.43	4.07E-03	6.42E-07	2.24E-07	4.16E-03	6.55E-07	2.28E-07	4.15E-03	6.54E-07	2.28E-07
5848	488767.43, 3859761.82	3.74E-03	5.90E-07	2.06E-07	3.82E-03	6.02E-07	2.10E-07	3.82E-03	6.01E-07	2.09E-07
5849	488675.92, 3859762.2	3.46E-03	5.46E-07	1.90E-07	3.54E-03	5.57E-07	1.94E-07	3.53E-03	5.56E-07	1.94E-07
5850	488584.41, 3859762.58	3.19E-03	5.03E-07	1.75E-07	3.26E-03	5.14E-07	1.79E-07	3.26E-03	5.13E-07	1.79E-07
5851	488492.9, 3859762.96	2.96E-03	4.66E-07	1.62E-07	3.02E-03	4.76E-07	1.66E-07	3.02E-03	4.75E-07	1.66E-07
5852	488402.76, 3859830.95	2.64E-03	4.17E-07	1.45E-07	2.70E-03	4.25E-07	1.48E-07	2.70E-03	4.25E-07	1.48E-07
5853	488404.14, 3859898.55	2.53E-03	3.99E-07	1.39E-07	2.58E-03	4.07E-07	1.42E-07	2.58E-03	4.06E-07	1.42E-07
5854	488505.18, 3859964.96	2.61E-03	4.11E-07	1.43E-07	2.66E-03	4.19E-07	1.46E-07	2.66E-03	4.19E-07	1.46E-07
5855	488604.85, 3859963.76	2.80E-03	4.41E-07	1.54E-07	2.86E-03	4.50E-07	1.57E-07	2.85E-03	4.49E-07	1.57E-07
5856	488704.51, 3859962.56	3.01E-03	4.74E-07	1.65E-07	3.07E-03	4.84E-07	1.69E-07	3.07E-03	4.83E-07	1.68E-07
5857	488804.18, 3859961.37	3.24E-03	5.11E-07	1.78E-07	3.31E-03	5.21E-07	1.82E-07	3.30E-03	5.21E-07	1.81E-07
5858	488903.85, 3859960.17	3.49E-03	5.50E-07	1.92E-07	3.56E-03	5.61E-07	1.96E-07	3.56E-03	5.61E-07	1.95E-07
5859	489003.52, 3859958.97	3.75E-03	5.91E-07	2.06E-07	3.83E-03	6.03E-07	2.10E-07	3.82E-03	6.02E-07	2.10E-07
5860	489103.18, 3859957.77	4.04E-03	6.36E-07	2.22E-07	4.12E-03	6.49E-07	2.26E-07	4.12E-03	6.48E-07	2.26E-07
5861	489201.48, 3860046.59	3.96E-03	6.24E-07	2.17E-07	4.04E-03	6.37E-07	2.22E-07	4.04E-03	6.36E-07	2.22E-07
5862	489200.11, 3860136.61	3.60E-03	5.67E-07	1.98E-07	3.67E-03	5.79E-07	2.02E-07	3.67E-03	5.78E-07	2.01E-07
5863	489198.74, 3860226.63	3.29E-03	5.19E-07	1.81E-07	3.36E-03	5.29E-07	1.84E-07	3.36E-03	5.29E-07	1.84E-07
5864	489197.38, 3860316.66	3.02E-03	4.76E-07	1.66E-07	3.09E-03	4.86E-07	1.69E-07	3.08E-03	4.85E-07	1.69E-07
5865	489196.01, 3860406.68	2.80E-03	4.41E-07	1.54E-07	2.86E-03	4.50E-07	1.57E-07	2.85E-03	4.49E-07	1.57E-07
5866	489194.64, 3860496.7	2.58E-03	4.07E-07	1.42E-07	2.63E-03	4.15E-07	1.45E-07	2.63E-03	4.14E-07	1.44E-07
5867	489193.27, 3860586.72	2.41E-03	3.79E-07	1.32E-07	2.46E-03	3.87E-07	1.35E-07	2.45E-03	3.86E-07	1.35E-07
5868	489092.02, 3860678.13	2.16E-03	3.40E-07	1.18E-07	2.20E-03	3.46E-07	1.21E-07	2.20E-03	3.46E-07	1.21E-07
5869	488992.13, 3860679.53	2.07E-03	3.26E-07	1.14E-07	2.11E-03	3.33E-07	1.16E-07	2.11E-03	3.32E-07	1.16E-07
5870	488892.25, 3860680.92	1.99E-03	3.14E-07	1.09E-07	2.03E-03	3.20E-07	1.12E-07	2.03E-03	3.20E-07	1.11E-07
5871	488792.36, 3860682.31	1.91E-03	3.02E-07	1.05E-07	1.95E-03	3.08E-07	1.07E-07	1.95E-03	3.07E-07	1.07E-07
5872	488692.48, 3860683.7	1.84E-03	2.90E-07	1.01E-07	1.88E-03	2.96E-07	1.03E-07	1.88E-03	2.96E-07	1.03E-07
5873	488592.59, 3860685.1	1.76E-03	2.78E-07	9.68E-08	1.80E-03	2.84E-07	9.88E-08	1.80E-03	2.83E-07	9.87E-08
5874	488492.71, 3860686.49	1.71E-03	2.69E-07	9.37E-08	1.74E-03	2.74E-07	9.56E-08	1.74E-03	2.74E-07	9.55E-08
5875	488299.07, 3860762.18	1.56E-03	2.46E-07	8.55E-08	1.59E-03	2.51E-07	8.73E-08	1.59E-03	2.50E-07	8.72E-08
5876	488205.32, 3860764.09	1.50E-03	2.36E-07	8.21E-08	1.53E-03	2.41E-07	8.38E-08	1.53E-03	2.40E-07	8.37E-08
5877	488111.56, 3860766	1.43E-03	2.26E-07	7.87E-08	1.46E-03	2.30E-07	8.03E-08	1.46E-03	2.30E-07	8.02E-08
5878	488017.81, 3860767.91	1.37E-03	2.16E-07	7.54E-08	1.40E-03	2.21E-07	7.69E-08	1.40E-03	2.20E-07	7.68E-08
5879	487924.06, 3860769.81	1.32E-03	2.08E-07	7.24E-08	1.35E-03	2.12E-07	7.39E-08	1.34E-03	2.12E-07	7.38E-08
5880	487830.31, 3860771.72	1.27E-03	2.00E-07	6.97E-08	1.30E-03	2.04E-07	7.12E-08	1.30E-03	2.04E-07	7.11E-08
5881	487736.55, 3860773.63	1.23E-03	1.93E-07	6.73E-08	1.25E-03	1.97E-07	6.87E-08	1.25E-03	1.97E-07	6.86E-08
5882	487642.8, 3860775.54	1.19E-03	1.87E-07	6.53E-08	1.21E-03	1.91E-07	6.66E-08	1.21E-03	1.91E-07	6.65E-08
5883	487549.48, 3860684.71	1.19E-03	1.87E-07	6.53E-08	1.21E-03	1.91E-07	6.66E-08	1.21E-03	1.91E-07	6.65E-08
5884	487549.91, 3860591.97	1.22E-03	1.92E-07	6.67E-08	1.24E-03	1.95E-07	6.81E-08	1.24E-03	1.95E-07	6.80E-08
5885	487550.34, 3860499.23	1.25E-03	1.97E-07	6.86E-08	1.28E-03	2.01E-07	7.00E-08	1.27E-03	2.01E-07	7.00E-08
5886	487550.76, 3860406.49	1.29E-03	2.03E-07	7.08E-08	1.32E-03	2.07E-07	7.22E-08	1.31E-03	2.07E-07	7.21E-08

5887	487551.19, 3860313.75	1.32E-03	2.09E-07	7.27E-08	1.35E-03	2.13E-07	7.42E-08	1.35E-03	2.13E-07	7.41E-08
5888	487551.62, 3860221.01	1.36E-03	2.15E-07	7.48E-08	1.39E-03	2.19E-07	7.63E-08	1.39E-03	2.19E-07	7.62E-08
5889	487552.05, 3860128.27	1.41E-03	2.22E-07	7.74E-08	1.44E-03	2.27E-07	7.90E-08	1.44E-03	2.27E-07	7.89E-08
5890	487552.48, 3860035.53	1.46E-03	2.29E-07	7.99E-08	1.49E-03	2.34E-07	8.16E-08	1.48E-03	2.34E-07	8.15E-08
5891	487552.91, 3859942.79	1.49E-03	2.35E-07	8.17E-08	1.52E-03	2.39E-07	8.34E-08	1.52E-03	2.39E-07	8.33E-08
5892	487553.33, 3859850.05	1.54E-03	2.42E-07	8.44E-08	1.57E-03	2.47E-07	8.61E-08	1.57E-03	2.47E-07	8.60E-08
5893	487553.76, 3859757.31	1.58E-03	2.48E-07	8.65E-08	1.61E-03	2.53E-07	8.83E-08	1.61E-03	2.53E-07	8.82E-08
5894	487554.19, 3859664.57	1.61E-03	2.54E-07	8.84E-08	1.64E-03	2.59E-07	9.02E-08	1.64E-03	2.59E-07	9.01E-08
5895	487460.2, 3859571.05	1.55E-03	2.43E-07	8.48E-08	1.58E-03	2.48E-07	8.66E-08	1.58E-03	2.48E-07	8.65E-08
5896	487365.78, 3859570.27	1.47E-03	2.31E-07	8.06E-08	1.50E-03	2.36E-07	8.22E-08	1.50E-03	2.36E-07	8.21E-08
5897	487271.36, 3859569.48	1.40E-03	2.20E-07	7.67E-08	1.43E-03	2.25E-07	7.83E-08	1.42E-03	2.24E-07	7.82E-08
5898	487176.94, 3859568.7	1.33E-03	2.10E-07	7.32E-08	1.36E-03	2.14E-07	7.47E-08	1.36E-03	2.14E-07	7.46E-08
5899	487082.51, 3859567.92	1.28E-03	2.01E-07	7.01E-08	1.30E-03	2.05E-07	7.15E-08	1.30E-03	2.05E-07	7.14E-08
5900	486988.09, 3859567.14	1.22E-03	1.93E-07	6.72E-08	1.25E-03	1.97E-07	6.86E-08	1.25E-03	1.97E-07	6.85E-08
5901	486893.67, 3859566.36	1.18E-03	1.85E-07	6.46E-08	1.20E-03	1.89E-07	6.59E-08	1.20E-03	1.89E-07	6.58E-08
5902	486799.25, 3859565.58	1.13E-03	1.79E-07	6.22E-08	1.16E-03	1.82E-07	6.35E-08	1.16E-03	1.82E-07	6.34E-08
5903	486704.83, 3859564.79	1.09E-03	1.72E-07	6.00E-08	1.12E-03	1.76E-07	6.13E-08	1.12E-03	1.76E-07	6.12E-08
5904	486610.41, 3859564.01	1.06E-03	1.67E-07	5.81E-08	1.08E-03	1.70E-07	5.92E-08	1.08E-03	1.70E-07	5.92E-08
5905	486515.99, 3859563.23	1.02E-03	1.61E-07	5.61E-08	1.04E-03	1.64E-07	5.72E-08	1.04E-03	1.64E-07	5.72E-08
5906	486421.57, 3859562.45	9.91E-04	1.56E-07	5.44E-08	1.01E-03	1.59E-07	5.55E-08	1.01E-03	1.59E-07	5.54E-08
5907	486327.14, 3859561.67	9.62E-04	1.52E-07	5.28E-08	9.82E-04	1.55E-07	5.39E-08	9.81E-04	1.55E-07	5.38E-08
5908	486232.72, 3859560.89	9.34E-04	1.47E-07	5.13E-08	9.53E-04	1.50E-07	5.23E-08	9.52E-04	1.50E-07	5.23E-08
5909	486138.3, 3859560.1	9.09E-04	1.43E-07	4.99E-08	9.28E-04	1.46E-07	5.09E-08	9.27E-04	1.46E-07	5.08E-08
5910	486043.88, 3859559.32	8.85E-04	1.39E-07	4.86E-08	9.03E-04	1.42E-07	4.96E-08	9.02E-04	1.42E-07	4.95E-08
5911	485949.35, 3859463.54	8.72E-04	1.37E-07	4.79E-08	8.90E-04	1.40E-07	4.88E-08	8.89E-04	1.40E-07	4.88E-08
5912	485949.24, 3859368.55	8.81E-04	1.39E-07	4.84E-08	8.99E-04	1.42E-07	4.94E-08	8.98E-04	1.42E-07	4.93E-08
5913	485949.12, 3859273.55	8.90E-04	1.40E-07	4.89E-08	9.09E-04	1.43E-07	4.99E-08	9.08E-04	1.43E-07	4.98E-08
5914	485949.01, 3859178.56	8.99E-04	1.42E-07	4.93E-08	9.17E-04	1.45E-07	5.03E-08	9.16E-04	1.44E-07	5.03E-08
5915	485948.9, 3859083.56	9.09E-04	1.43E-07	4.99E-08	9.27E-04	1.46E-07	5.09E-08	9.26E-04	1.46E-07	5.08E-08
5916	485948.79, 3858988.56	9.17E-04	1.45E-07	5.03E-08	9.36E-04	1.47E-07	5.14E-08	9.35E-04	1.47E-07	5.13E-08
5917	485948.67, 3858893.57	9.25E-04	1.46E-07	5.07E-08	9.44E-04	1.49E-07	5.18E-08	9.42E-04	1.48E-07	5.17E-08
5918	485948.56, 3858798.57	9.32E-04	1.47E-07	5.11E-08	9.51E-04	1.50E-07	5.22E-08	9.50E-04	1.50E-07	5.21E-08
5919	485948.45, 3858703.58	9.33E-04	1.47E-07	5.12E-08	9.53E-04	1.50E-07	5.23E-08	9.51E-04	1.50E-07	5.22E-08
5920	485948.34, 3858608.58	9.36E-04	1.47E-07	5.13E-08	9.55E-04	1.50E-07	5.24E-08	9.54E-04	1.50E-07	5.23E-08
5921	485948.22, 3858513.59	9.35E-04	1.47E-07	5.13E-08	9.54E-04	1.50E-07	5.24E-08	9.53E-04	1.50E-07	5.23E-08
5922	485948.11, 3858418.59	9.31E-04	1.47E-07	5.11E-08	9.50E-04	1.50E-07	5.21E-08	9.48E-04	1.49E-07	5.21E-08
5923	485948, 3858323.59	9.24E-04	1.46E-07	5.07E-08	9.43E-04	1.48E-07	5.17E-08	9.42E-04	1.48E-07	5.17E-08
5924	485947.89, 3858228.6	9.12E-04	1.44E-07	5.00E-08	9.30E-04	1.47E-07	5.11E-08	9.29E-04	1.46E-07	5.10E-08
5925	485947.77, 3858133.6	8.97E-04	1.41E-07	4.92E-08	9.16E-04	1.44E-07	5.02E-08	9.14E-04	1.44E-07	5.02E-08
5926	485947.66, 3858038.61	8.84E-04	1.39E-07	4.85E-08	9.02E-04	1.42E-07	4.95E-08	9.01E-04	1.42E-07	4.95E-08
5927	485854.54, 3857943.35	8.62E-04	1.36E-07	4.73E-08	8.79E-04	1.39E-07	4.83E-08	8.78E-04	1.38E-07	4.82E-08
5928	485761.52, 3857943.09	8.55E-04	1.35E-07	4.69E-08	8.72E-04	1.37E-07	4.79E-08	8.71E-04	1.37E-07	4.78E-08
5929	485668.51, 3857942.83	8.48E-04	1.34E-07	4.65E-08	8.65E-04	1.36E-07	4.75E-08	8.64E-04	1.36E-07	4.74E-08
5930	485575.5, 3857942.56	8.40E-04	1.32E-07	4.61E-08	8.58E-04	1.35E-07	4.71E-08	8.57E-04	1.35E-07	4.70E-08
5931	485482.48, 3857942.3	8.34E-04	1.31E-07	4.58E-08	8.51E-04	1.34E-07	4.67E-08	8.50E-04	1.34E-07	4.66E-08
5932	485389.47, 3857942.04	8.26E-04	1.30E-07	4.53E-08	8.43E-04	1.33E-07	4.63E-08	8.42E-04	1.33E-07	4.62E-08
5933	485296.46, 3857941.78	8.19E-04	1.29E-07	4.49E-08	8.36E-04	1.32E-07	4.59E-08	8.35E-04	1.31E-07	4.58E-08
5934	485203.45, 3857941.52	8.12E-04	1.28E-07	4.46E-08	8.28E-04	1.30E-07	4.55E-08	8.27E-04	1.30E-07	4.54E-08
5935	485110.43, 3857941.26	8.04E-04	1.27E-07	4.41E-08	8.20E-04	1.29E-07	4.50E-08	8.19E-04	1.29E-07	4.50E-08
5936	485017.42, 3857940.99	7.96E-04	1.25E-07	4.37E-08	8.12E-04	1.28E-07	4.46E-08	8.11E-04	1.28E-07	4.45E-08
5937	484924.41, 3857940.73	7.88E-04	1.24E-07	4.33E-08	8.04E-04	1.27E-07	4.41E-08	8.03E-04	1.27E-07	4.41E-08
5938	484831.39, 3857940.47	7.81E-04	1.23E-07	4.29E-08	7.97E-04	1.26E-07	4.37E-08	7.96E-04	1.25E-07	4.37E-08
5939	484738.12, 3857859.3	7.74E-04	1.22E-07	4.25E-08	7.90E-04	1.24E-07	4.34E-08	7.89E-04	1.24E-07	4.33E-08
5940	484737.85, 3857778.4	7.74E-04	1.22E-07	4.25E-08	7.90E-04	1.24E-07	4.34E-08	7.89E-04	1.24E-07	4.33E-08
5941	484737.59, 3857697.49	7.73E-04	1.22E-07	4.24E-08	7.89E-04	1.24E-07	4.33E-08	7.88E-04	1.24E-07	4.33E-08
5942	484737.32, 3857616.59	7.72E-04	1.22E-07	4.24E-08	7.88E-04	1.24E-07	4.33E-08	7.87E-04	1.24E-07	4.32E-08
5943	484645.53, 3857535.18	7.68E-04	1.21E-07	4.21E-08	7.84E-04	1.23E-07	4.30E-08	7.83E-04	1.23E-07	4.30E-08
5944	484553.99, 3857534.67	7.65E-04	1.20E-07	4.20E-08	7.80E-04	1.23E-07	4.28E-08	7.79E-04	1.23E-07	4.28E-08
5945	484462.46, 3857534.17	7.62E-04	1.20E-07	4.18E-08	7.78E-04	1.22E-07	4.27E-08	7.77E-04	1.22E-07	4.26E-08
5946	484370.93, 3857533.66	7.60E-04	1.20E-07	4.17E-08	7.75E-04	1.22E-07	4.25E-08	7.74E-04	1.22E-07	4.25E-08
5947	484279.4, 3857533.16	7.58E-04	1.19E-07	4.16E-08	7.73E-04	1.22E-07	4.24E-08	7.72E-04	1.22E-07	4.24E-08
5948	484187.86, 3857532.65	7.56E-04	1.19E-07	4.15E-08	7.71E-04	1.21E-07	4.23E-08	7.70E-04	1.21E-07	4.23E-08

5949	484096.33, 3857532.15	7.54E-04	1.19E-07	4.14E-08	7.69E-04	1.21E-07	4.22E-08	7.69E-04	1.21E-07	4.22E-08
5950	484004.8, 3857531.64	7.52E-04	1.18E-07	4.13E-08	7.67E-04	1.21E-07	4.21E-08	7.66E-04	1.21E-07	4.20E-08
5951	483913.27, 3857531.14	7.49E-04	1.18E-07	4.11E-08	7.64E-04	1.20E-07	4.19E-08	7.63E-04	1.20E-07	4.19E-08
5952	483821.73, 3857530.63	7.45E-04	1.17E-07	4.09E-08	7.61E-04	1.20E-07	4.18E-08	7.60E-04	1.20E-07	4.17E-08
5953	483729.61, 3857450.11	7.47E-04	1.18E-07	4.10E-08	7.62E-04	1.20E-07	4.18E-08	7.61E-04	1.20E-07	4.18E-08
5954	483729.03, 3857370.08	7.52E-04	1.19E-07	4.13E-08	7.68E-04	1.21E-07	4.21E-08	7.67E-04	1.21E-07	4.21E-08
5955	483728.44, 3857290.06	7.57E-04	1.19E-07	4.15E-08	7.72E-04	1.22E-07	4.24E-08	7.72E-04	1.22E-07	4.23E-08
5956	483727.86, 3857210.03	7.62E-04	1.20E-07	4.18E-08	7.77E-04	1.22E-07	4.27E-08	7.76E-04	1.22E-07	4.26E-08
5957	483641.15, 3857129.07	7.66E-04	1.21E-07	4.20E-08	7.81E-04	1.23E-07	4.29E-08	7.81E-04	1.23E-07	4.28E-08
5958	483555.03, 3857128.14	7.64E-04	1.20E-07	4.19E-08	7.79E-04	1.23E-07	4.28E-08	7.78E-04	1.23E-07	4.27E-08
5959	483468.91, 3857127.2	7.61E-04	1.20E-07	4.17E-08	7.76E-04	1.22E-07	4.26E-08	7.75E-04	1.22E-07	4.25E-08
5960	483382.78, 3857126.26	7.59E-04	1.20E-07	4.16E-08	7.74E-04	1.22E-07	4.25E-08	7.73E-04	1.22E-07	4.24E-08
5961	483296.66, 3857125.32	7.56E-04	1.19E-07	4.15E-08	7.71E-04	1.21E-07	4.23E-08	7.70E-04	1.21E-07	4.23E-08
5962	483210.54, 3857124.39	7.52E-04	1.19E-07	4.13E-08	7.68E-04	1.21E-07	4.21E-08	7.67E-04	1.21E-07	4.21E-08
5963	483123.4, 3857030.96	7.58E-04	1.19E-07	4.16E-08	7.74E-04	1.22E-07	4.25E-08	7.73E-04	1.22E-07	4.24E-08
5964	483122.38, 3856938.46	7.68E-04	1.21E-07	4.21E-08	7.84E-04	1.23E-07	4.30E-08	7.83E-04	1.23E-07	4.30E-08
5965	483121.35, 3856845.97	7.79E-04	1.23E-07	4.27E-08	7.95E-04	1.25E-07	4.36E-08	7.94E-04	1.25E-07	4.36E-08
5966	483120.33, 3856753.47	7.90E-04	1.24E-07	4.33E-08	8.06E-04	1.27E-07	4.42E-08	8.05E-04	1.27E-07	4.42E-08
5967	483119.31, 3856660.98	8.02E-04	1.26E-07	4.40E-08	8.19E-04	1.29E-07	4.49E-08	8.18E-04	1.29E-07	4.49E-08
5968	483118.29, 3856568.49	8.18E-04	1.29E-07	4.49E-08	8.35E-04	1.31E-07	4.58E-08	8.34E-04	1.31E-07	4.58E-08
5969	483117.26, 3856475.99	8.36E-04	1.32E-07	4.59E-08	8.53E-04	1.34E-07	4.68E-08	8.52E-04	1.34E-07	4.68E-08
5970	483116.24, 3856383.5	8.56E-04	1.35E-07	4.70E-08	8.73E-04	1.38E-07	4.79E-08	8.72E-04	1.37E-07	4.79E-08
5971	483115.22, 3856291.01	8.78E-04	1.38E-07	4.82E-08	8.95E-04	1.41E-07	4.91E-08	8.94E-04	1.41E-07	4.91E-08
5972	483114.2, 3856198.51	9.00E-04	1.42E-07	4.94E-08	9.19E-04	1.45E-07	5.04E-08	9.17E-04	1.45E-07	5.04E-08
5973	483113.17, 3856106.02	9.27E-04	1.46E-07	5.09E-08	9.46E-04	1.49E-07	5.19E-08	9.45E-04	1.49E-07	5.19E-08
5974	483112.15, 3856013.52	9.54E-04	1.50E-07	5.24E-08	9.74E-04	1.53E-07	5.34E-08	9.72E-04	1.53E-07	5.34E-08
5975	483029.25, 3855920.47	9.80E-04	1.54E-07	5.38E-08	1.00E-03	1.58E-07	5.49E-08	9.99E-04	1.57E-07	5.48E-08
5976	482947.37, 3855919.91	9.77E-04	1.54E-07	5.36E-08	9.97E-04	1.57E-07	5.47E-08	9.96E-04	1.57E-07	5.47E-08
5977	482865.49, 3855919.36	9.75E-04	1.54E-07	5.35E-08	9.95E-04	1.57E-07	5.46E-08	9.93E-04	1.57E-07	5.45E-08
5978	482783.61, 3855918.8	9.74E-04	1.54E-07	5.35E-08	9.94E-04	1.57E-07	5.46E-08	9.93E-04	1.56E-07	5.45E-08
5979	482700.33, 3855818.39	1.01E-03	1.59E-07	5.53E-08	1.03E-03	1.62E-07	5.64E-08	1.03E-03	1.62E-07	5.64E-08
5980	482698.92, 3855718.54	1.05E-03	1.65E-07	5.74E-08	1.07E-03	1.68E-07	5.85E-08	1.07E-03	1.68E-07	5.85E-08
5981	482697.52, 3855618.68	1.08E-03	1.71E-07	5.95E-08	1.11E-03	1.74E-07	6.07E-08	1.10E-03	1.74E-07	6.06E-08
5982	482696.11, 3855518.83	1.13E-03	1.78E-07	6.19E-08	1.15E-03	1.81E-07	6.31E-08	1.15E-03	1.81E-07	6.31E-08
5983	482694.71, 3855418.98	1.17E-03	1.84E-07	6.43E-08	1.19E-03	1.88E-07	6.56E-08	1.19E-03	1.88E-07	6.55E-08
5984	482693.3, 3855319.13	1.22E-03	1.92E-07	6.69E-08	1.24E-03	1.96E-07	6.82E-08	1.24E-03	1.96E-07	6.82E-08
5985	482691.9, 3855219.27	1.27E-03	2.00E-07	6.98E-08	1.30E-03	2.04E-07	7.12E-08	1.30E-03	2.04E-07	7.11E-08
5986	482690.49, 3855119.42	1.33E-03	2.09E-07	7.29E-08	1.35E-03	2.13E-07	7.43E-08	1.35E-03	2.13E-07	7.43E-08
5987	482689.09, 3855019.57	1.39E-03	2.20E-07	7.65E-08	1.42E-03	2.24E-07	7.81E-08	1.42E-03	2.24E-07	7.80E-08
5988	482687.68, 3854919.72	1.46E-03	2.31E-07	8.04E-08	1.49E-03	2.35E-07	8.20E-08	1.49E-03	2.35E-07	8.19E-08
5989	482686.28, 3854819.86	1.55E-03	2.44E-07	8.50E-08	1.58E-03	2.49E-07	8.67E-08	1.58E-03	2.49E-07	8.66E-08
5990	482684.88, 3854720.01	1.64E-03	2.58E-07	8.98E-08	1.67E-03	2.63E-07	9.17E-08	1.67E-03	2.63E-07	9.15E-08
5991	482683.47, 3854620.16	1.74E-03	2.75E-07	9.57E-08	1.78E-03	2.80E-07	9.77E-08	1.78E-03	2.80E-07	9.76E-08
5992	482682.07, 3854520.31	1.86E-03	2.94E-07	1.02E-07	1.90E-03	3.00E-07	1.04E-07	1.90E-03	2.99E-07	1.04E-07
5993	482680.66, 3854420.45	2.01E-03	3.16E-07	1.10E-07	2.05E-03	3.22E-07	1.12E-07	2.04E-03	3.22E-07	1.12E-07
5994	482679.26, 3854320.6	2.17E-03	3.42E-07	1.19E-07	2.22E-03	3.49E-07	1.22E-07	2.21E-03	3.49E-07	1.22E-07
5995	482677.85, 3854220.75	2.38E-03	3.75E-07	1.31E-07	2.43E-03	3.83E-07	1.33E-07	2.43E-03	3.82E-07	1.33E-07
5996	482676.45, 3854120.9	2.63E-03	4.14E-07	1.44E-07	2.68E-03	4.23E-07	1.47E-07	2.68E-03	4.22E-07	1.47E-07
5997	482675.04, 3854021.04	2.95E-03	4.64E-07	1.62E-07	3.01E-03	4.74E-07	1.65E-07	3.00E-03	4.73E-07	1.65E-07
5998	482673.64, 3853921.19	3.36E-03	5.29E-07	1.84E-07	3.43E-03	5.40E-07	1.88E-07	3.42E-03	5.39E-07	1.88E-07
5999	482672.23, 3853821.34	3.98E-03	6.26E-07	2.18E-07	4.06E-03	6.39E-07	2.23E-07	4.05E-03	6.38E-07	2.22E-07
6000	482670.83, 3853721.49	4.94E-03	7.78E-07	2.71E-07	5.04E-03	7.94E-07	2.77E-07	5.04E-03	7.93E-07	2.76E-07
6001	482669.42, 3853621.63	6.57E-03	1.03E-06	3.60E-07	6.70E-03	1.06E-06	3.68E-07	6.69E-03	1.05E-06	3.67E-07
6002	482645.99, 3853446.13	1.28E-02	2.02E-06	7.03E-07	1.31E-02	2.06E-06	7.17E-07	1.30E-02	2.06E-06	7.16E-07
6003	482623.97, 3853370.49	1.53E-02	2.40E-06	8.37E-07	1.56E-02	2.45E-06	8.54E-07	1.55E-02	2.45E-06	8.53E-07
6004	482601.94, 3853294.84	1.73E-02	2.73E-06	9.51E-07	1.77E-02	2.79E-06	9.70E-07	1.77E-02	2.78E-06	9.69E-07
6005	482531.29, 3853133.44	2.08E-02	3.28E-06	1.14E-06	2.12E-02	3.35E-06	1.17E-06	2.12E-02	3.34E-06	1.16E-06
6006	482482.68, 3853047.69	2.32E-02	3.65E-06	1.27E-06	2.37E-02	3.73E-06	1.30E-06	2.36E-02	3.72E-06	1.30E-06
6007	482383.09, 3852897.4	2.89E-02	4.55E-06	1.58E-06	2.95E-02	4.64E-06	1.62E-06	2.94E-02	4.64E-06	1.62E-06
6008	482265.64, 3852765.26	3.09E-02	4.86E-06	1.69E-06	3.15E-02	4.96E-06	1.73E-06	3.14E-02	4.95E-06	1.73E-06
6009	482199.16, 3852697.66	3.08E-02	4.86E-06	1.69E-06	3.15E-02	4.96E-06	1.73E-06	3.14E-02	4.95E-06	1.72E-06
6010	482132.69, 3852630.07	3.10E-02	4.88E-06	1.70E-06	3.16E-02	4.98E-06	1.74E-06	3.16E-02	4.98E-06	1.73E-06

6011 482066.21, 3852562.48	3.08E-02	4.85E-06	1.69E-06	3.14E-02	4.95E-06	1.72E-06	3.14E-02	4.94E-06	1.72E-06
6012 481999.74, 3852494.89	3.02E-02	4.76E-06	1.66E-06	3.08E-02	4.86E-06	1.69E-06	3.08E-02	4.85E-06	1.69E-06
6013 481933.26, 3852427.29	2.95E-02	4.65E-06	1.62E-06	3.01E-02	4.74E-06	1.65E-06	3.01E-02	4.74E-06	1.65E-06
6014 481866.79, 3852359.7	2.93E-02	4.62E-06	1.61E-06	2.99E-02	4.71E-06	1.64E-06	2.99E-02	4.71E-06	1.64E-06
6015 481800.31, 3852292.11	2.92E-02	4.60E-06	1.60E-06	2.98E-02	4.70E-06	1.64E-06	2.98E-02	4.69E-06	1.63E-06
6016 481733.84, 3852224.52	2.90E-02	4.57E-06	1.59E-06	2.96E-02	4.67E-06	1.63E-06	2.96E-02	4.66E-06	1.62E-06
6017 481667.36, 3852156.92	2.96E-02	4.67E-06	1.63E-06	3.02E-02	4.76E-06	1.66E-06	3.02E-02	4.75E-06	1.66E-06
6018 481600.89, 3852089.33	2.93E-02	4.62E-06	1.61E-06	2.99E-02	4.71E-06	1.64E-06	2.99E-02	4.71E-06	1.64E-06
6019 481534.41, 3852021.74	2.91E-02	4.58E-06	1.59E-06	2.97E-02	4.67E-06	1.63E-06	2.96E-02	4.67E-06	1.63E-06
6020 481467.94, 3851954.15	2.93E-02	4.61E-06	1.61E-06	2.98E-02	4.70E-06	1.64E-06	2.98E-02	4.70E-06	1.64E-06
6021 481401.46, 3851886.55	3.01E-02	4.75E-06	1.65E-06	3.08E-02	4.85E-06	1.69E-06	3.07E-02	4.84E-06	1.69E-06
6022 481265.87, 3851761.43	3.08E-02	4.85E-06	1.69E-06	3.14E-02	4.95E-06	1.72E-06	3.14E-02	4.94E-06	1.72E-06
6023 481196.74, 3851703.89	3.14E-02	4.94E-06	1.72E-06	3.20E-02	5.04E-06	1.76E-06	3.20E-02	5.04E-06	1.75E-06
6024 481076.33, 3851619.05	3.15E-02	4.96E-06	1.73E-06	3.21E-02	5.06E-06	1.76E-06	3.21E-02	5.05E-06	1.76E-06
6025 480939.8, 3851549.07	3.00E-02	4.73E-06	1.65E-06	3.06E-02	4.82E-06	1.68E-06	3.06E-02	4.82E-06	1.68E-06
6026 480854.56, 3851506.41	2.99E-02	4.71E-06	1.64E-06	3.05E-02	4.81E-06	1.68E-06	3.05E-02	4.80E-06	1.67E-06
6027 480769.32, 3851463.75	3.03E-02	4.78E-06	1.66E-06	3.09E-02	4.87E-06	1.70E-06	3.09E-02	4.87E-06	1.70E-06
6028 480684.08, 3851421.08	3.08E-02	4.86E-06	1.69E-06	3.15E-02	4.95E-06	1.73E-06	3.14E-02	4.95E-06	1.72E-06
6029 480598.84, 3851378.42	3.07E-02	4.84E-06	1.69E-06	3.14E-02	4.94E-06	1.72E-06	3.13E-02	4.94E-06	1.72E-06
6030 480435.71, 3851275.01	3.64E-02	5.73E-06	2.00E-06	3.71E-02	5.85E-06	2.04E-06	3.71E-02	5.84E-06	2.03E-06
6031 480347.85, 3851232.36	3.62E-02	5.70E-06	1.99E-06	3.69E-02	5.82E-06	2.03E-06	3.69E-02	5.81E-06	2.03E-06
6032 480260, 3851189.72	3.61E-02	5.69E-06	1.98E-06	3.69E-02	5.81E-06	2.02E-06	3.68E-02	5.80E-06	2.02E-06
6033 480172.15, 3851147.07	3.60E-02	5.68E-06	1.98E-06	3.68E-02	5.79E-06	2.02E-06	3.67E-02	5.78E-06	2.02E-06
6034 480084.29, 3851104.42	3.61E-02	5.69E-06	1.98E-06	3.69E-02	5.81E-06	2.02E-06	3.68E-02	5.80E-06	2.02E-06
6035 479996.44, 3851061.77	3.63E-02	5.71E-06	1.99E-06	3.70E-02	5.83E-06	2.03E-06	3.69E-02	5.82E-06	2.03E-06
6036 479908.58, 3851019.13	3.79E-02	5.97E-06	2.08E-06	3.87E-02	6.09E-06	2.12E-06	3.86E-02	6.09E-06	2.12E-06
6037 479820.73, 3850976.48	3.79E-02	5.96E-06	2.08E-06	3.86E-02	6.08E-06	2.12E-06	3.86E-02	6.08E-06	2.12E-06
6038 479732.88, 3850933.83	3.79E-02	5.97E-06	2.08E-06	3.87E-02	6.09E-06	2.12E-06	3.86E-02	6.09E-06	2.12E-06
6039 479645.02, 3850891.18	3.80E-02	5.98E-06	2.08E-06	3.87E-02	6.10E-06	2.13E-06	3.87E-02	6.09E-06	2.12E-06
6040 479557.17, 3850848.54	3.76E-02	5.93E-06	2.07E-06	3.84E-02	6.05E-06	2.11E-06	3.84E-02	6.04E-06	2.11E-06
6041 479469.32, 3850805.89	3.86E-02	6.07E-06	2.12E-06	3.93E-02	6.20E-06	2.16E-06	3.93E-02	6.19E-06	2.16E-06
6042 479381.46, 3850763.24	3.81E-02	6.01E-06	2.09E-06	3.89E-02	6.13E-06	2.14E-06	3.89E-02	6.13E-06	2.13E-06
6043 479293.61, 3850720.59	3.71E-02	5.84E-06	2.03E-06	3.78E-02	5.96E-06	2.08E-06	3.78E-02	5.95E-06	2.07E-06
6044 479205.76, 3850677.95	3.62E-02	5.71E-06	1.99E-06	3.70E-02	5.82E-06	2.03E-06	3.69E-02	5.82E-06	2.03E-06
6045 479117.9, 3850635.3	3.47E-02	5.47E-06	1.91E-06	3.54E-02	5.58E-06	1.94E-06	3.54E-02	5.57E-06	1.94E-06
6046 479030.05, 3850592.65	3.38E-02	5.33E-06	1.86E-06	3.45E-02	5.44E-06	1.90E-06	3.45E-02	5.43E-06	1.89E-06
6047 478942.19, 3850550	3.45E-02	5.44E-06	1.90E-06	3.53E-02	5.55E-06	1.93E-06	3.52E-02	5.55E-06	1.93E-06
6048 478854.34, 3850507.36	3.81E-02	6.01E-06	2.09E-06	3.89E-02	6.13E-06	2.14E-06	3.89E-02	6.12E-06	2.13E-06
6049 478766.49, 3850464.71	3.88E-02	6.11E-06	2.13E-06	3.96E-02	6.24E-06	2.17E-06	3.95E-02	6.23E-06	2.17E-06
6050 478678.63, 3850422.06	3.88E-02	6.11E-06	2.13E-06	3.96E-02	6.24E-06	2.17E-06	3.96E-02	6.23E-06	2.17E-06
6051 478590.78, 3850379.41	3.91E-02	6.16E-06	2.15E-06	3.99E-02	6.29E-06	2.19E-06	3.99E-02	6.28E-06	2.19E-06
6052 478502.93, 3850336.77	3.90E-02	6.14E-06	2.14E-06	3.98E-02	6.27E-06	2.18E-06	3.97E-02	6.26E-06	2.18E-06
6053 478415.07, 3850294.12	3.85E-02	6.07E-06	2.12E-06	3.93E-02	6.20E-06	2.16E-06	3.93E-02	6.19E-06	2.16E-06
6054 478327.22, 3850251.47	3.91E-02	6.16E-06	2.14E-06	3.99E-02	6.28E-06	2.19E-06	3.98E-02	6.28E-06	2.19E-06
6055 478239.36, 3850208.82	3.94E-02	6.20E-06	2.16E-06	4.02E-02	6.33E-06	2.21E-06	4.01E-02	6.32E-06	2.20E-06
6056 478151.51, 3850166.18	3.95E-02	6.23E-06	2.17E-06	4.03E-02	6.35E-06	2.21E-06	4.03E-02	6.35E-06	2.21E-06
6057 478063.66, 3850123.53	3.97E-02	6.25E-06	2.18E-06	4.05E-02	6.38E-06	2.22E-06	4.05E-02	6.38E-06	2.22E-06
6058 477975.8, 3850080.88	3.77E-02	5.94E-06	2.07E-06	3.85E-02	6.06E-06	2.11E-06	3.85E-02	6.06E-06	2.11E-06
6059 477887.95, 3850038.23	3.74E-02	5.89E-06	2.05E-06	3.82E-02	6.01E-06	2.09E-06	3.81E-02	6.00E-06	2.09E-06
6060 477800.1, 3849995.59	3.66E-02	5.77E-06	2.01E-06	3.73E-02	5.88E-06	2.05E-06	3.73E-02	5.88E-06	2.05E-06
6061 477712.24, 3849952.94	3.68E-02	5.79E-06	2.02E-06	3.75E-02	5.91E-06	2.06E-06	3.75E-02	5.90E-06	2.06E-06
6062 477624.39, 3849910.29	3.67E-02	5.77E-06	2.01E-06	3.74E-02	5.89E-06	2.05E-06	3.74E-02	5.89E-06	2.05E-06
6063 477536.54, 3849867.64	3.60E-02	5.67E-06	1.98E-06	3.67E-02	5.79E-06	2.02E-06	3.67E-02	5.78E-06	2.01E-06
6064 477448.68, 3849825	3.59E-02	5.66E-06	1.97E-06	3.66E-02	5.77E-06	2.01E-06	3.66E-02	5.76E-06	2.01E-06
6065 477360.83, 3849782.35	3.57E-02	5.63E-06	1.96E-06	3.64E-02	5.74E-06	2.00E-06	3.64E-02	5.73E-06	2.00E-06
6066 477272.97, 3849739.7	3.56E-02	5.61E-06	1.95E-06	3.63E-02	5.72E-06	1.99E-06	3.63E-02	5.72E-06	1.99E-06
6067 477185.12, 3849697.05	3.54E-02	5.58E-06	1.95E-06	3.62E-02	5.70E-06	1.99E-06	3.61E-02	5.69E-06	1.98E-06
6068 477097.27, 3849654.41	3.58E-02	5.65E-06	1.97E-06	3.66E-02	5.76E-06	2.01E-06	3.65E-02	5.75E-06	2.00E-06
6069 477009.41, 3849611.76	3.74E-02	5.90E-06	2.05E-06	3.82E-02	6.02E-06	2.10E-06	3.82E-02	6.01E-06	2.09E-06
6070 476841.49, 3849530.08	3.84E-02	6.06E-06	2.11E-06	3.92E-02	6.18E-06	2.15E-06	3.92E-02	6.17E-06	2.15E-06
6071 476761.41, 3849491.05	3.88E-02	6.11E-06	2.13E-06	3.96E-02	6.24E-06	2.17E-06	3.95E-02	6.23E-06	2.17E-06
6072 476681.34, 3849452.02	4.05E-02	6.38E-06	2.22E-06	4.13E-02	6.51E-06	2.27E-06	4.13E-02	6.50E-06	2.27E-06

6073	476601.26, 3849412.99	4.39E-02	6.92E-06	2.41E-06	4.48E-02	7.06E-06	2.46E-06	4.48E-02	7.05E-06	2.46E-06
6074	476456.32, 3849353.67	5.26E-02	8.28E-06	2.88E-06	5.36E-02	8.45E-06	2.94E-06	5.36E-02	8.44E-06	2.94E-06
6075	476305.43, 3849318.84	4.99E-02	7.86E-06	2.74E-06	5.09E-02	8.02E-06	2.80E-06	5.09E-02	8.01E-06	2.79E-06
6076	476129.36, 3849289.99	4.91E-02	7.74E-06	2.70E-06	5.02E-02	7.90E-06	2.75E-06	5.01E-02	7.89E-06	2.75E-06
6077	476039.31, 3849275.68	4.81E-02	7.58E-06	2.64E-06	4.91E-02	7.74E-06	2.70E-06	4.91E-02	7.73E-06	2.69E-06
6078	475949.26, 3849261.38	5.00E-02	7.88E-06	2.74E-06	5.10E-02	8.04E-06	2.80E-06	5.10E-02	8.03E-06	2.80E-06
6079	475859.21, 3849247.08	4.81E-02	7.58E-06	2.64E-06	4.91E-02	7.74E-06	2.69E-06	4.90E-02	7.73E-06	2.69E-06
6080	475769.16, 3849232.77	4.63E-02	7.30E-06	2.54E-06	4.73E-02	7.44E-06	2.59E-06	4.72E-02	7.44E-06	2.59E-06
6081	475585.23, 3849219.27	2.52E-02	3.98E-06	1.39E-06	2.58E-02	4.06E-06	1.41E-06	2.57E-02	4.05E-06	1.41E-06
6082	475444.5, 3849150.35	4.78E-02	7.53E-06	2.62E-06	4.88E-02	7.68E-06	2.68E-06	4.87E-02	7.67E-06	2.67E-06
6083	475334.18, 3849118.71	3.60E-02	5.68E-06	1.98E-06	3.68E-02	5.79E-06	2.02E-06	3.67E-02	5.79E-06	2.02E-06
6084	475230.47, 3849060.57	3.62E-02	5.70E-06	1.98E-06	3.69E-02	5.81E-06	2.02E-06	3.68E-02	5.81E-06	2.02E-06
6085	475110.86, 3848960.97	4.32E-02	6.81E-06	2.37E-06	4.41E-02	6.95E-06	2.42E-06	4.40E-02	6.94E-06	2.42E-06
6086	475037.79, 3848896.28	4.49E-02	7.08E-06	2.47E-06	4.59E-02	7.22E-06	2.52E-06	4.58E-02	7.22E-06	2.51E-06
6087	474964.72, 3848831.59	4.65E-02	7.32E-06	2.55E-06	4.74E-02	7.47E-06	2.60E-06	4.74E-02	7.46E-06	2.60E-06
6088	474891.65, 3848766.9	4.63E-02	7.30E-06	2.54E-06	4.73E-02	7.45E-06	2.60E-06	4.72E-02	7.44E-06	2.59E-06
6089	474818.58, 3848702.22	4.67E-02	7.36E-06	2.56E-06	4.77E-02	7.51E-06	2.62E-06	4.76E-02	7.50E-06	2.61E-06
6090	474745.51, 3848637.53	4.22E-02	6.65E-06	2.32E-06	4.31E-02	6.78E-06	2.36E-06	4.30E-02	6.78E-06	2.36E-06
6091	474672.44, 3848572.84	4.16E-02	6.55E-06	2.28E-06	4.24E-02	6.69E-06	2.33E-06	4.24E-02	6.68E-06	2.33E-06
6092	474599.37, 3848508.15	4.28E-02	6.74E-06	2.35E-06	4.37E-02	6.88E-06	2.40E-06	4.36E-02	6.87E-06	2.39E-06
6093	474526.3, 3848443.46	4.26E-02	6.71E-06	2.34E-06	4.35E-02	6.85E-06	2.39E-06	4.34E-02	6.84E-06	2.38E-06

Leads - Park Risk

		2028 RD			2033 RD			2048 RD		
Rec#	X, Y	Concentra	Dose	Risk	Concentra	Dose	Risk	Concentra	Dose	Risk
1	485973.61, 3854936.51	1.18E-03	3.74E-07	1.09E-07	1.21E-03	3.82E-07	1.11E-07	1.21E-03	3.81E-07	1.11E-07
2	486023.61, 3854936.51	1.18E-03	3.72E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.79E-07	1.10E-07
3	486073.61, 3854936.51	1.17E-03	3.71E-07	1.08E-07	1.20E-03	3.78E-07	1.10E-07	1.20E-03	3.78E-07	1.10E-07
4	486123.61, 3854936.51	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.73E-07	1.09E-07	1.18E-03	3.73E-07	1.08E-07
5	486173.61, 3854936.51	1.16E-03	3.67E-07	1.07E-07	1.19E-03	3.74E-07	1.09E-07	1.18E-03	3.74E-07	1.09E-07
6	486223.61, 3854936.51	1.15E-03	3.64E-07	1.06E-07	1.18E-03	3.72E-07	1.08E-07	1.18E-03	3.71E-07	1.08E-07
7	486273.61, 3854936.51	1.15E-03	3.63E-07	1.06E-07	1.17E-03	3.70E-07	1.08E-07	1.17E-03	3.70E-07	1.08E-07
8	486323.61, 3854936.51	1.15E-03	3.62E-07	1.05E-07	1.17E-03	3.69E-07	1.07E-07	1.17E-03	3.69E-07	1.07E-07
9	485973.61, 3854986.51	1.17E-03	3.70E-07	1.08E-07	1.20E-03	3.77E-07	1.10E-07	1.19E-03	3.77E-07	1.10E-07
10	486023.61, 3854986.51	1.17E-03	3.68E-07	1.07E-07	1.19E-03	3.76E-07	1.09E-07	1.19E-03	3.75E-07	1.09E-07
11	486073.61, 3854986.51	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.73E-07	1.09E-07	1.18E-03	3.73E-07	1.08E-07
12	486123.61, 3854986.51	1.15E-03	3.63E-07	1.06E-07	1.17E-03	3.71E-07	1.08E-07	1.17E-03	3.70E-07	1.08E-07
13	486173.61, 3854986.51	1.15E-03	3.63E-07	1.06E-07	1.17E-03	3.70E-07	1.08E-07	1.17E-03	3.70E-07	1.08E-07
14	486223.61, 3854986.51	1.14E-03	3.60E-07	1.05E-07	1.16E-03	3.68E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
15	486273.61, 3854986.51	1.13E-03	3.57E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
16	486323.61, 3854986.51	1.14E-03	3.59E-07	1.04E-07	1.16E-03	3.66E-07	1.06E-07	1.16E-03	3.66E-07	1.06E-07
17	485973.61, 3855036.51	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.74E-07	1.09E-07	1.18E-03	3.73E-07	1.09E-07
18	486023.61, 3855036.51	1.15E-03	3.64E-07	1.06E-07	1.18E-03	3.72E-07	1.08E-07	1.18E-03	3.71E-07	1.08E-07
19	486073.61, 3855036.51	1.14E-03	3.61E-07	1.05E-07	1.17E-03	3.68E-07	1.07E-07	1.16E-03	3.68E-07	1.07E-07
20	486123.61, 3855036.51	1.14E-03	3.59E-07	1.04E-07	1.16E-03	3.66E-07	1.06E-07	1.16E-03	3.66E-07	1.06E-07
21	486173.61, 3855036.51	1.14E-03	3.59E-07	1.04E-07	1.16E-03	3.66E-07	1.06E-07	1.16E-03	3.65E-07	1.06E-07
22	486223.61, 3855036.51	1.13E-03	3.55E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07
23	486273.61, 3855036.51	1.13E-03	3.55E-07	1.03E-07	1.15E-03	3.63E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07
24	486323.61, 3855036.51	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.60E-07	1.05E-07
25	485973.61, 3855086.51	1.15E-03	3.61E-07	1.05E-07	1.17E-03	3.69E-07	1.07E-07	1.17E-03	3.68E-07	1.07E-07
26	486023.61, 3855086.51	1.14E-03	3.60E-07	1.05E-07	1.17E-03	3.68E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
27	486073.61, 3855086.51	1.13E-03	3.57E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
28	486123.61, 3855086.51	1.13E-03	3.56E-07	1.04E-07	1.15E-03	3.63E-07	1.06E-07	1.15E-03	3.63E-07	1.06E-07
29	486173.61, 3855086.51	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.60E-07	1.05E-07
30	486223.61, 3855086.51	1.12E-03	3.52E-07	1.02E-07	1.14E-03	3.59E-07	1.05E-07	1.14E-03	3.59E-07	1.04E-07
31	485973.61, 3855136.51	1.13E-03	3.58E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.16E-03	3.65E-07	1.06E-07
32	486023.61, 3855136.51	1.13E-03	3.56E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.63E-07	1.06E-07
33	486073.61, 3855136.51	1.12E-03	3.54E-07	1.03E-07	1.14E-03	3.61E-07	1.05E-07	1.14E-03	3.61E-07	1.05E-07
34	486123.61, 3855136.51	1.12E-03	3.52E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.59E-07	1.04E-07
35	486173.61, 3855136.51	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
36	486223.61, 3855136.51	1.10E-03	3.48E-07	1.01E-07	1.13E-03	3.55E-07	1.03E-07	1.13E-03	3.55E-07	1.03E-07
37	485973.61, 3855186.51	1.12E-03	3.55E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07
38	486023.61, 3855186.51	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.60E-07	1.05E-07
39	486073.61, 3855186.51	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
40	486123.61, 3855186.51	1.10E-03	3.47E-07	1.01E-07	1.12E-03	3.54E-07	1.03E-07	1.12E-03	3.54E-07	1.03E-07
41	486173.61, 3855186.51	1.10E-03	3.46E-07	1.01E-07	1.12E-03	3.53E-07	1.03E-07	1.12E-03	3.52E-07	1.02E-07
42	486223.61, 3855186.51	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
43	486273.61, 3855186.51	1.08E-03	3.42E-07	9.94E-08	1.11E-03	3.49E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
44	486323.61, 3855186.51	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
45	485973.61, 3855236.51	1.11E-03	3.51E-07	1.02E-07	1.13E-03	3.58E-07	1.04E-07	1.13E-03	3.58E-07	1.04E-07
46	486023.61, 3855236.51	1.10E-03	3.48E-07	1.01E-07	1.13E-03	3.55E-07	1.03E-07	1.12E-03	3.55E-07	1.03E-07
47	486073.61, 3855236.51	1.09E-03	3.45E-07	1.00E-07	1.12E-03	3.52E-07	1.02E-07	1.11E-03	3.52E-07	1.02E-07
48	486123.61, 3855236.51	1.09E-03	3.43E-07	9.98E-08	1.11E-03	3.50E-07	1.02E-07	1.11E-03	3.50E-07	1.02E-07
49	486173.61, 3855236.51	1.08E-03	3.42E-07	9.94E-08	1.10E-03	3.49E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
50	486223.61, 3855236.51	1.08E-03	3.40E-07	9.88E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.46E-07	1.01E-07
51	486273.61, 3855236.51	1.06E-03	3.36E-07	9.76E-08	1.08E-03	3.42E-07	9.96E-08	1.08E-03	3.42E-07	9.95E-08
52	486323.61, 3855236.51	1.08E-03	3.40E-07	9.89E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
53	485973.61, 3855286.51	1.10E-03	3.47E-07	1.01E-07	1.12E-03	3.54E-07	1.03E-07	1.12E-03	3.54E-07	1.03E-07
54	486023.61, 3855286.51	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
55	486073.61, 3855286.51	1.08E-03	3.41E-07	9.93E-08	1.10E-03	3.48E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
56	486123.61, 3855286.51	1.07E-03	3.39E-07	9.85E-08	1.10E-03	3.46E-07	1.01E-07	1.09E-03	3.45E-07	1.00E-07
57	486173.61, 3855286.51	1.07E-03	3.36E-07	9.79E-08	1.09E-03	3.43E-07	9.99E-08	1.09E-03	3.43E-07	9.98E-08
58	486223.61, 3855286.51	1.06E-03	3.35E-07	9.75E-08	1.08E-03	3.42E-07	9.95E-08	1.08E-03	3.42E-07	9.94E-08

59	486123.61, 3855336.51	1.06E-03	3.34E-07	9.73E-08	1.08E-03	3.41E-07	9.93E-08	1.08E-03	3.41E-07	9.91E-08
60	486173.61, 3855336.51	1.05E-03	3.33E-07	9.68E-08	1.08E-03	3.40E-07	9.88E-08	1.07E-03	3.39E-07	9.87E-08
61	486223.61, 3855336.51	1.05E-03	3.31E-07	9.63E-08	1.07E-03	3.38E-07	9.82E-08	1.07E-03	3.37E-07	9.81E-08
62	486123.61, 3855386.51	1.05E-03	3.31E-07	9.62E-08	1.07E-03	3.37E-07	9.81E-08	1.07E-03	3.37E-07	9.80E-08
63	486173.61, 3855386.51	1.04E-03	3.29E-07	9.57E-08	1.06E-03	3.36E-07	9.76E-08	1.06E-03	3.35E-07	9.75E-08
64	486223.61, 3855386.51	1.04E-03	3.27E-07	9.52E-08	1.06E-03	3.34E-07	9.72E-08	1.06E-03	3.34E-07	9.71E-08
65	486533.18, 3855443.15	1.01E-03	3.18E-07	9.26E-08	1.03E-03	3.25E-07	9.45E-08	1.03E-03	3.24E-07	9.43E-08
66	486583.18, 3855443.15	1.00E-03	3.17E-07	9.22E-08	1.02E-03	3.23E-07	9.40E-08	1.02E-03	3.23E-07	9.39E-08
67	486633.18, 3855443.15	9.99E-04	3.15E-07	9.18E-08	1.02E-03	3.22E-07	9.36E-08	1.02E-03	3.22E-07	9.35E-08
68	486683.18, 3855443.15	9.98E-04	3.15E-07	9.16E-08	1.02E-03	3.21E-07	9.35E-08	1.02E-03	3.21E-07	9.34E-08
69	486533.18, 3855493.15	9.96E-04	3.14E-07	9.14E-08	1.02E-03	3.21E-07	9.33E-08	1.02E-03	3.20E-07	9.32E-08
70	486583.18, 3855493.15	9.93E-04	3.13E-07	9.12E-08	1.01E-03	3.20E-07	9.30E-08	1.01E-03	3.19E-07	9.29E-08
71	486633.18, 3855493.15	9.89E-04	3.12E-07	9.08E-08	1.01E-03	3.19E-07	9.27E-08	1.01E-03	3.18E-07	9.26E-08
72	486683.18, 3855493.15	9.85E-04	3.11E-07	9.05E-08	1.01E-03	3.17E-07	9.23E-08	1.00E-03	3.17E-07	9.22E-08
73	486533.18, 3855543.15	9.86E-04	3.11E-07	9.05E-08	1.01E-03	3.18E-07	9.24E-08	1.00E-03	3.17E-07	9.23E-08
74	486583.18, 3855543.15	9.80E-04	3.09E-07	8.99E-08	1.00E-03	3.16E-07	9.18E-08	9.99E-04	3.15E-07	9.17E-08
75	486633.18, 3855543.15	9.77E-04	3.08E-07	8.97E-08	9.97E-04	3.15E-07	9.15E-08	9.96E-04	3.14E-07	9.14E-08
76	486683.18, 3855543.15	9.70E-04	3.06E-07	8.90E-08	9.90E-04	3.12E-07	9.08E-08	9.88E-04	3.12E-07	9.07E-08
77	486533.18, 3855593.15	9.74E-04	3.07E-07	8.94E-08	9.94E-04	3.14E-07	9.12E-08	9.93E-04	3.13E-07	9.11E-08
78	486583.18, 3855593.15	9.69E-04	3.06E-07	8.90E-08	9.89E-04	3.12E-07	9.08E-08	9.88E-04	3.12E-07	9.07E-08
79	486633.18, 3855593.15	9.65E-04	3.05E-07	8.86E-08	9.85E-04	3.11E-07	9.04E-08	9.84E-04	3.11E-07	9.03E-08
80	486683.18, 3855593.15	9.63E-04	3.04E-07	8.84E-08	9.82E-04	3.10E-07	9.02E-08	9.81E-04	3.10E-07	9.01E-08
81	486533.18, 3855643.15	9.63E-04	3.04E-07	8.84E-08	9.83E-04	3.10E-07	9.02E-08	9.82E-04	3.10E-07	9.01E-08
82	486583.18, 3855643.15	9.59E-04	3.03E-07	8.81E-08	9.79E-04	3.09E-07	8.99E-08	9.78E-04	3.09E-07	8.98E-08
83	486633.18, 3855643.15	9.55E-04	3.02E-07	8.77E-08	9.75E-04	3.08E-07	8.95E-08	9.74E-04	3.07E-07	8.94E-08
84	486683.18, 3855643.15	9.52E-04	3.00E-07	8.74E-08	9.71E-04	3.07E-07	8.92E-08	9.70E-04	3.06E-07	8.91E-08
85	486533.18, 3855693.15	9.55E-04	3.02E-07	8.77E-08	9.75E-04	3.08E-07	8.95E-08	9.74E-04	3.07E-07	8.94E-08
86	486583.18, 3855693.15	9.48E-04	2.99E-07	8.71E-08	9.68E-04	3.05E-07	8.88E-08	9.66E-04	3.05E-07	8.87E-08
87	486633.18, 3855693.15	9.41E-04	2.97E-07	8.64E-08	9.60E-04	3.03E-07	8.81E-08	9.59E-04	3.03E-07	8.80E-08
88	486683.18, 3855693.15	9.41E-04	2.97E-07	8.64E-08	9.60E-04	3.03E-07	8.82E-08	9.59E-04	3.03E-07	8.81E-08
89	486733.18, 3855693.15	9.45E-04	2.98E-07	8.67E-08	9.64E-04	3.04E-07	8.85E-08	9.63E-04	3.04E-07	8.84E-08
90	486783.18, 3855693.15	9.50E-04	3.00E-07	8.72E-08	9.69E-04	3.06E-07	8.90E-08	9.68E-04	3.06E-07	8.89E-08
91	486533.18, 3855743.15	9.46E-04	2.99E-07	8.68E-08	9.65E-04	3.05E-07	8.86E-08	9.64E-04	3.04E-07	8.85E-08
92	486583.18, 3855743.15	9.36E-04	2.95E-07	8.59E-08	9.55E-04	3.01E-07	8.77E-08	9.54E-04	3.01E-07	8.76E-08
93	486633.18, 3855743.15	9.31E-04	2.94E-07	8.55E-08	9.50E-04	3.00E-07	8.73E-08	9.49E-04	3.00E-07	8.72E-08
94	486683.18, 3855743.15	9.34E-04	2.95E-07	8.57E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.00E-07	8.74E-08
95	486733.18, 3855743.15	9.33E-04	2.95E-07	8.57E-08	9.53E-04	3.01E-07	8.74E-08	9.51E-04	3.00E-07	8.73E-08
96	486783.18, 3855743.15	9.40E-04	2.97E-07	8.63E-08	9.59E-04	3.03E-07	8.81E-08	9.58E-04	3.02E-07	8.80E-08
97	486533.18, 3855793.15	9.38E-04	2.96E-07	8.61E-08	9.57E-04	3.02E-07	8.78E-08	9.56E-04	3.02E-07	8.77E-08
98	486583.18, 3855793.15	9.24E-04	2.92E-07	8.48E-08	9.43E-04	2.98E-07	8.65E-08	9.42E-04	2.97E-07	8.64E-08
99	486633.18, 3855793.15	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.67E-08	9.43E-04	2.98E-07	8.66E-08
100	486683.18, 3855793.15	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.69E-08	9.45E-04	2.98E-07	8.68E-08
101	486733.18, 3855793.15	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.70E-08	9.46E-04	2.99E-07	8.69E-08
102	486783.18, 3855793.15	9.30E-04	2.94E-07	8.54E-08	9.49E-04	3.00E-07	8.71E-08	9.48E-04	2.99E-07	8.70E-08
103	486533.18, 3855843.15	9.27E-04	2.93E-07	8.51E-08	9.46E-04	2.99E-07	8.68E-08	9.45E-04	2.98E-07	8.67E-08
104	486583.18, 3855843.15	9.17E-04	2.89E-07	8.42E-08	9.36E-04	2.95E-07	8.59E-08	9.35E-04	2.95E-07	8.58E-08
105	486633.18, 3855843.15	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
106	486683.18, 3855843.15	9.20E-04	2.90E-07	8.45E-08	9.39E-04	2.96E-07	8.62E-08	9.38E-04	2.96E-07	8.61E-08
107	486733.18, 3855843.15	9.22E-04	2.91E-07	8.46E-08	9.41E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08
108	486783.18, 3855843.15	9.23E-04	2.91E-07	8.47E-08	9.42E-04	2.97E-07	8.65E-08	9.41E-04	2.97E-07	8.64E-08
109	486533.18, 3855893.15	9.13E-04	2.88E-07	8.39E-08	9.32E-04	2.94E-07	8.56E-08	9.31E-04	2.94E-07	8.55E-08
110	486583.18, 3855893.15	9.13E-04	2.88E-07	8.38E-08	9.31E-04	2.94E-07	8.55E-08	9.30E-04	2.94E-07	8.54E-08
111	486633.18, 3855893.15	9.12E-04	2.88E-07	8.37E-08	9.30E-04	2.94E-07	8.54E-08	9.29E-04	2.93E-07	8.53E-08
112	486683.18, 3855893.15	9.13E-04	2.88E-07	8.38E-08	9.32E-04	2.94E-07	8.55E-08	9.30E-04	2.94E-07	8.54E-08
113	486733.18, 3855893.15	9.14E-04	2.89E-07	8.39E-08	9.33E-04	2.94E-07	8.57E-08	9.32E-04	2.94E-07	8.56E-08
114	486783.18, 3855893.15	9.17E-04	2.89E-07	8.42E-08	9.36E-04	2.95E-07	8.59E-08	9.35E-04	2.95E-07	8.58E-08
115	486533.18, 3855943.15	9.07E-04	2.86E-07	8.33E-08	9.26E-04	2.92E-07	8.50E-08	9.25E-04	2.92E-07	8.49E-08
116	486583.18, 3855943.15	9.09E-04	2.87E-07	8.34E-08	9.27E-04	2.93E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
117	486633.18, 3855943.15	9.06E-04	2.86E-07	8.32E-08	9.25E-04	2.92E-07	8.49E-08	9.24E-04	2.92E-07	8.48E-08
118	486683.18, 3855943.15	9.08E-04	2.87E-07	8.33E-08	9.26E-04	2.92E-07	8.50E-08	9.25E-04	2.92E-07	8.49E-08
119	486733.18, 3855943.15	9.08E-04	2.86E-07	8.33E-08	9.26E-04	2.92E-07	8.50E-08	9.25E-04	2.92E-07	8.49E-08
120	486783.18, 3855943.15	9.10E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08

121	486533.18, 3855993.15	9.05E-04	2.86E-07	8.30E-08	9.23E-04	2.91E-07	8.47E-08	9.22E-04	2.91E-07	8.46E-08
122	486583.18, 3855993.15	9.03E-04	2.85E-07	8.29E-08	9.22E-04	2.91E-07	8.46E-08	9.21E-04	2.91E-07	8.45E-08
123	486633.18, 3855993.15	9.02E-04	2.85E-07	8.28E-08	9.20E-04	2.90E-07	8.45E-08	9.19E-04	2.90E-07	8.44E-08
124	486683.18, 3855993.15	9.03E-04	2.85E-07	8.29E-08	9.21E-04	2.91E-07	8.45E-08	9.20E-04	2.90E-07	8.45E-08
125	486733.18, 3855993.15	9.02E-04	2.85E-07	8.28E-08	9.21E-04	2.91E-07	8.45E-08	9.20E-04	2.90E-07	8.44E-08
126	486783.18, 3855993.15	9.03E-04	2.85E-07	8.29E-08	9.22E-04	2.91E-07	8.46E-08	9.21E-04	2.91E-07	8.45E-08
127	486533.18, 3856043.15	9.02E-04	2.85E-07	8.28E-08	9.21E-04	2.91E-07	8.45E-08	9.20E-04	2.90E-07	8.44E-08
128	486583.18, 3856043.15	9.01E-04	2.84E-07	8.27E-08	9.20E-04	2.90E-07	8.44E-08	9.19E-04	2.90E-07	8.43E-08
129	486633.18, 3856043.15	8.98E-04	2.84E-07	8.25E-08	9.17E-04	2.89E-07	8.42E-08	9.16E-04	2.89E-07	8.41E-08
130	486683.18, 3856043.15	8.99E-04	2.84E-07	8.25E-08	9.17E-04	2.89E-07	8.42E-08	9.16E-04	2.89E-07	8.41E-08
131	486733.18, 3856043.15	8.97E-04	2.83E-07	8.24E-08	9.16E-04	2.89E-07	8.41E-08	9.14E-04	2.89E-07	8.40E-08
132	486783.18, 3856043.15	8.99E-04	2.84E-07	8.26E-08	9.18E-04	2.90E-07	8.42E-08	9.17E-04	2.89E-07	8.41E-08
133	486533.18, 3856093.15	9.02E-04	2.85E-07	8.28E-08	9.20E-04	2.90E-07	8.45E-08	9.19E-04	2.90E-07	8.44E-08
134	486583.18, 3856093.15	8.99E-04	2.84E-07	8.25E-08	9.17E-04	2.90E-07	8.42E-08	9.16E-04	2.89E-07	8.41E-08
135	486633.18, 3856093.15	8.96E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
136	486683.18, 3856093.15	8.95E-04	2.83E-07	8.22E-08	9.14E-04	2.88E-07	8.39E-08	9.13E-04	2.88E-07	8.38E-08
137	486733.18, 3856093.15	8.94E-04	2.82E-07	8.21E-08	9.12E-04	2.88E-07	8.37E-08	9.11E-04	2.88E-07	8.37E-08
138	486783.18, 3856093.15	8.94E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.11E-04	2.88E-07	8.37E-08
139	486533.18, 3856143.15	9.00E-04	2.84E-07	8.27E-08	9.19E-04	2.90E-07	8.44E-08	9.18E-04	2.90E-07	8.43E-08
140	486583.18, 3856143.15	8.97E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
141	486633.18, 3856143.15	8.95E-04	2.82E-07	8.22E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
142	486683.18, 3856143.15	8.93E-04	2.82E-07	8.20E-08	9.11E-04	2.88E-07	8.36E-08	9.10E-04	2.87E-07	8.35E-08
143	486733.18, 3856143.15	8.91E-04	2.81E-07	8.18E-08	9.10E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
144	486783.18, 3856143.15	8.93E-04	2.82E-07	8.20E-08	9.11E-04	2.88E-07	8.36E-08	9.10E-04	2.87E-07	8.35E-08
145	486533.18, 3856193.15	9.01E-04	2.84E-07	8.27E-08	9.19E-04	2.90E-07	8.44E-08	9.18E-04	2.90E-07	8.43E-08
146	486583.18, 3856193.15	8.96E-04	2.83E-07	8.22E-08	9.14E-04	2.88E-07	8.39E-08	9.13E-04	2.88E-07	8.38E-08
147	486633.18, 3856193.15	8.94E-04	2.82E-07	8.21E-08	9.12E-04	2.88E-07	8.37E-08	9.11E-04	2.88E-07	8.37E-08
148	486683.18, 3856193.15	8.93E-04	2.82E-07	8.20E-08	9.12E-04	2.88E-07	8.37E-08	9.11E-04	2.87E-07	8.36E-08
149	486733.18, 3856193.15	8.90E-04	2.81E-07	8.17E-08	9.09E-04	2.87E-07	8.34E-08	9.08E-04	2.86E-07	8.33E-08
150	486783.18, 3856193.15	8.91E-04	2.81E-07	8.18E-08	9.09E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
151	486533.18, 3856243.15	9.00E-04	2.84E-07	8.26E-08	9.18E-04	2.90E-07	8.43E-08	9.17E-04	2.89E-07	8.42E-08
152	486583.18, 3856243.15	8.97E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.89E-07	8.39E-08
153	486633.18, 3856243.15	8.94E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.11E-04	2.88E-07	8.37E-08
154	486683.18, 3856243.15	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
155	486733.18, 3856243.15	8.91E-04	2.81E-07	8.18E-08	9.10E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
156	486783.18, 3856243.15	8.90E-04	2.81E-07	8.17E-08	9.08E-04	2.87E-07	8.33E-08	9.07E-04	2.86E-07	8.32E-08
157	486533.18, 3856293.15	8.99E-04	2.84E-07	8.26E-08	9.18E-04	2.90E-07	8.42E-08	9.17E-04	2.89E-07	8.41E-08
158	486583.18, 3856293.15	8.97E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
159	486633.18, 3856293.15	8.95E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
160	486683.18, 3856293.15	8.93E-04	2.82E-07	8.19E-08	9.11E-04	2.87E-07	8.36E-08	9.10E-04	2.87E-07	8.35E-08
161	486733.18, 3856293.15	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
162	486783.18, 3856293.15	8.90E-04	2.81E-07	8.17E-08	9.08E-04	2.87E-07	8.34E-08	9.07E-04	2.86E-07	8.33E-08
163	486783.18, 3856343.15	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
164	486833.18, 3856343.15	8.90E-04	2.81E-07	8.17E-08	9.09E-04	2.87E-07	8.34E-08	9.08E-04	2.86E-07	8.33E-08
165	486883.18, 3856343.15	8.89E-04	2.81E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08
166	486783.18, 3856393.15	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
167	486833.18, 3856393.15	8.91E-04	2.81E-07	8.18E-08	9.09E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
168	486883.18, 3856393.15	8.88E-04	2.80E-07	8.16E-08	9.07E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
169	487208.74, 3856886.11	9.11E-04	2.88E-07	8.36E-08	9.30E-04	2.93E-07	8.54E-08	9.29E-04	2.93E-07	8.52E-08
170	487258.74, 3856886.11	9.10E-04	2.87E-07	8.35E-08	9.29E-04	2.93E-07	8.52E-08	9.27E-04	2.93E-07	8.51E-08
171	487308.74, 3856886.11	9.08E-04	2.87E-07	8.34E-08	9.27E-04	2.93E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
172	487358.74, 3856886.11	9.06E-04	2.86E-07	8.32E-08	9.25E-04	2.92E-07	8.49E-08	9.24E-04	2.92E-07	8.48E-08
173	487208.74, 3856936.11	9.16E-04	2.89E-07	8.40E-08	9.34E-04	2.95E-07	8.58E-08	9.33E-04	2.95E-07	8.57E-08
174	487258.74, 3856936.11	9.15E-04	2.89E-07	8.40E-08	9.34E-04	2.95E-07	8.57E-08	9.33E-04	2.94E-07	8.56E-08
175	487308.74, 3856936.11	9.15E-04	2.89E-07	8.40E-08	9.33E-04	2.95E-07	8.57E-08	9.32E-04	2.94E-07	8.56E-08
176	487358.74, 3856936.11	9.13E-04	2.88E-07	8.38E-08	9.32E-04	2.94E-07	8.55E-08	9.31E-04	2.94E-07	8.54E-08
177	487208.74, 3856986.11	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
178	487258.74, 3856986.11	9.21E-04	2.91E-07	8.46E-08	9.40E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08
179	487308.74, 3856986.11	9.21E-04	2.91E-07	8.45E-08	9.40E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08
180	487358.74, 3856986.11	9.21E-04	2.91E-07	8.45E-08	9.40E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08
181	487208.74, 3857036.11	9.21E-04	2.91E-07	8.46E-08	9.40E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08
182	487258.74, 3857036.11	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.66E-08	9.43E-04	2.98E-07	8.65E-08

183	487308.74, 3857036.11	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.69E-08	9.46E-04	2.98E-07	8.68E-08
184	487358.74, 3857036.11	9.29E-04	2.93E-07	8.53E-08	9.48E-04	2.99E-07	8.70E-08	9.47E-04	2.99E-07	8.69E-08
185	487427.14, 3856878.23	9.05E-04	2.86E-07	8.31E-08	9.24E-04	2.92E-07	8.48E-08	9.23E-04	2.91E-07	8.47E-08
186	487477.14, 3856878.23	9.05E-04	2.86E-07	8.31E-08	9.23E-04	2.91E-07	8.48E-08	9.22E-04	2.91E-07	8.47E-08
187	487527.14, 3856878.23	9.05E-04	2.86E-07	8.30E-08	9.23E-04	2.91E-07	8.47E-08	9.22E-04	2.91E-07	8.46E-08
188	487427.14, 3856928.23	9.11E-04	2.88E-07	8.37E-08	9.30E-04	2.94E-07	8.54E-08	9.29E-04	2.93E-07	8.53E-08
189	487477.14, 3856928.23	9.10E-04	2.87E-07	8.35E-08	9.29E-04	2.93E-07	8.52E-08	9.27E-04	2.93E-07	8.51E-08
190	487527.14, 3856928.23	9.10E-04	2.87E-07	8.35E-08	9.29E-04	2.93E-07	8.52E-08	9.27E-04	2.93E-07	8.51E-08
191	487577.14, 3856928.23	9.10E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
192	487627.14, 3856928.23	9.10E-04	2.87E-07	8.35E-08	9.28E-04	2.93E-07	8.52E-08	9.27E-04	2.93E-07	8.51E-08
193	487677.14, 3856928.23	9.12E-04	2.88E-07	8.37E-08	9.31E-04	2.94E-07	8.54E-08	9.30E-04	2.93E-07	8.53E-08
194	487727.14, 3856928.23	9.15E-04	2.89E-07	8.40E-08	9.34E-04	2.95E-07	8.57E-08	9.33E-04	2.94E-07	8.56E-08
195	487777.14, 3856928.23	9.18E-04	2.90E-07	8.42E-08	9.36E-04	2.96E-07	8.60E-08	9.35E-04	2.95E-07	8.59E-08
196	487427.14, 3856978.23	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
197	487477.14, 3856978.23	9.18E-04	2.90E-07	8.42E-08	9.36E-04	2.96E-07	8.60E-08	9.35E-04	2.95E-07	8.59E-08
198	487527.14, 3856978.23	9.17E-04	2.90E-07	8.42E-08	9.36E-04	2.95E-07	8.59E-08	9.35E-04	2.95E-07	8.58E-08
199	487577.14, 3856978.23	9.17E-04	2.89E-07	8.42E-08	9.36E-04	2.95E-07	8.59E-08	9.35E-04	2.95E-07	8.58E-08
200	487627.14, 3856978.23	9.16E-04	2.89E-07	8.41E-08	9.35E-04	2.95E-07	8.58E-08	9.33E-04	2.95E-07	8.57E-08
201	487677.14, 3856978.23	9.18E-04	2.90E-07	8.42E-08	9.36E-04	2.96E-07	8.60E-08	9.35E-04	2.95E-07	8.59E-08
202	487727.14, 3856978.23	9.16E-04	2.89E-07	8.41E-08	9.35E-04	2.95E-07	8.58E-08	9.34E-04	2.95E-07	8.57E-08
203	487777.14, 3856978.23	9.23E-04	2.91E-07	8.48E-08	9.42E-04	2.97E-07	8.65E-08	9.41E-04	2.97E-07	8.64E-08
204	487427.14, 3857028.23	9.27E-04	2.92E-07	8.51E-08	9.46E-04	2.98E-07	8.68E-08	9.45E-04	2.98E-07	8.67E-08
205	487477.14, 3857028.23	9.26E-04	2.92E-07	8.50E-08	9.45E-04	2.98E-07	8.68E-08	9.44E-04	2.98E-07	8.67E-08
206	487527.14, 3857028.23	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.66E-08	9.43E-04	2.98E-07	8.65E-08
207	487577.14, 3857028.23	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.66E-08	9.42E-04	2.97E-07	8.65E-08
208	487627.14, 3857028.23	9.23E-04	2.91E-07	8.48E-08	9.42E-04	2.97E-07	8.65E-08	9.41E-04	2.97E-07	8.64E-08
209	487677.14, 3857028.23	9.24E-04	2.92E-07	8.48E-08	9.43E-04	2.98E-07	8.65E-08	9.42E-04	2.97E-07	8.64E-08
210	487727.14, 3857028.23	9.26E-04	2.92E-07	8.50E-08	9.45E-04	2.98E-07	8.68E-08	9.44E-04	2.98E-07	8.67E-08
211	487777.14, 3857028.23	9.29E-04	2.93E-07	8.53E-08	9.48E-04	2.99E-07	8.70E-08	9.47E-04	2.99E-07	8.69E-08
212	487427.14, 3857078.23	9.35E-04	2.95E-07	8.59E-08	9.54E-04	3.01E-07	8.76E-08	9.53E-04	3.01E-07	8.75E-08
213	487477.14, 3857078.23	9.34E-04	2.95E-07	8.58E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.01E-07	8.74E-08
214	487527.14, 3857078.23	9.34E-04	2.95E-07	8.58E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.00E-07	8.74E-08
215	487577.14, 3857078.23	9.33E-04	2.95E-07	8.57E-08	9.52E-04	3.01E-07	8.74E-08	9.51E-04	3.00E-07	8.73E-08
216	487627.14, 3857078.23	9.32E-04	2.94E-07	8.56E-08	9.51E-04	3.00E-07	8.73E-08	9.50E-04	3.00E-07	8.72E-08
217	487677.14, 3857078.23	9.32E-04	2.94E-07	8.56E-08	9.51E-04	3.00E-07	8.73E-08	9.50E-04	3.00E-07	8.72E-08
218	487727.14, 3857078.23	9.34E-04	2.95E-07	8.57E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.00E-07	8.74E-08
219	487777.14, 3857078.23	9.35E-04	2.95E-07	8.58E-08	9.54E-04	3.01E-07	8.76E-08	9.53E-04	3.01E-07	8.75E-08
220	487427.14, 3857128.23	9.44E-04	2.98E-07	8.66E-08	9.63E-04	3.04E-07	8.84E-08	9.62E-04	3.04E-07	8.83E-08
221	487477.14, 3857128.23	9.44E-04	2.98E-07	8.66E-08	9.63E-04	3.04E-07	8.84E-08	9.62E-04	3.04E-07	8.83E-08
222	487527.14, 3857128.23	9.43E-04	2.98E-07	8.65E-08	9.62E-04	3.04E-07	8.83E-08	9.61E-04	3.03E-07	8.82E-08
223	487577.14, 3857128.23	9.42E-04	2.97E-07	8.65E-08	9.62E-04	3.03E-07	8.83E-08	9.60E-04	3.03E-07	8.82E-08
224	487627.14, 3857128.23	9.42E-04	2.97E-07	8.65E-08	9.61E-04	3.03E-07	8.82E-08	9.60E-04	3.03E-07	8.81E-08
225	487677.14, 3857128.23	9.41E-04	2.97E-07	8.64E-08	9.60E-04	3.03E-07	8.81E-08	9.59E-04	3.03E-07	8.80E-08
226	487727.14, 3857128.23	9.43E-04	2.98E-07	8.66E-08	9.62E-04	3.04E-07	8.83E-08	9.61E-04	3.03E-07	8.82E-08
227	487777.14, 3857128.23	9.43E-04	2.98E-07	8.66E-08	9.62E-04	3.04E-07	8.83E-08	9.61E-04	3.03E-07	8.82E-08
228	488049.44, 3856539.39	8.93E-04	2.82E-07	8.20E-08	9.11E-04	2.88E-07	8.37E-08	9.10E-04	2.87E-07	8.36E-08
229	488099.44, 3856539.39	8.90E-04	2.81E-07	8.17E-08	9.08E-04	2.87E-07	8.34E-08	9.07E-04	2.86E-07	8.33E-08
230	488149.44, 3856539.39	8.89E-04	2.81E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08
231	488049.44, 3856589.39	8.95E-04	2.82E-07	8.22E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
232	488099.44, 3856589.39	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
233	488149.44, 3856589.39	8.90E-04	2.81E-07	8.17E-08	9.08E-04	2.87E-07	8.34E-08	9.07E-04	2.86E-07	8.33E-08
234	488199.44, 3856589.39	8.87E-04	2.80E-07	8.15E-08	9.05E-04	2.86E-07	8.31E-08	9.04E-04	2.85E-07	8.30E-08
235	488249.44, 3856589.39	8.88E-04	2.80E-07	8.16E-08	9.07E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
236	488049.44, 3856639.39	8.97E-04	2.83E-07	8.24E-08	9.16E-04	2.89E-07	8.41E-08	9.14E-04	2.89E-07	8.40E-08
237	488099.44, 3856639.39	8.94E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.11E-04	2.88E-07	8.37E-08
238	488149.44, 3856639.39	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
239	488199.44, 3856639.39	8.91E-04	2.81E-07	8.18E-08	9.09E-04	2.87E-07	8.34E-08	9.08E-04	2.87E-07	8.33E-08
240	488249.44, 3856639.39	8.89E-04	2.81E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08
241	488299.44, 3856639.39	8.88E-04	2.80E-07	8.15E-08	9.06E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
242	488349.44, 3856639.39	8.86E-04	2.80E-07	8.13E-08	9.04E-04	2.85E-07	8.30E-08	9.03E-04	2.85E-07	8.29E-08
243	488399.44, 3856639.39	8.86E-04	2.80E-07	8.13E-08	9.04E-04	2.85E-07	8.30E-08	9.03E-04	2.85E-07	8.29E-08
244	488099.44, 3856689.39	8.98E-04	2.84E-07	8.25E-08	9.17E-04	2.89E-07	8.42E-08	9.16E-04	2.89E-07	8.41E-08

245	488149.44, 3856689.39	8.95E-04	2.83E-07	8.22E-08	9.13E-04	2.88E-07	8.39E-08	9.12E-04	2.88E-07	8.38E-08
246	488199.44, 3856689.39	8.94E-04	2.82E-07	8.20E-08	9.12E-04	2.88E-07	8.37E-08	9.11E-04	2.87E-07	8.36E-08
247	488249.44, 3856689.39	8.91E-04	2.81E-07	8.18E-08	9.09E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
248	488299.44, 3856689.39	8.91E-04	2.81E-07	8.18E-08	9.09E-04	2.87E-07	8.34E-08	9.08E-04	2.87E-07	8.33E-08
249	488349.44, 3856689.39	8.88E-04	2.80E-07	8.16E-08	9.07E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
250	488399.44, 3856689.39	8.85E-04	2.79E-07	8.12E-08	9.03E-04	2.85E-07	8.29E-08	9.02E-04	2.85E-07	8.28E-08
251	488099.44, 3856739.39	9.04E-04	2.85E-07	8.30E-08	9.22E-04	2.91E-07	8.47E-08	9.21E-04	2.91E-07	8.46E-08
252	488149.44, 3856739.39	9.00E-04	2.84E-07	8.26E-08	9.18E-04	2.90E-07	8.43E-08	9.17E-04	2.89E-07	8.42E-08
253	488199.44, 3856739.39	8.99E-04	2.84E-07	8.25E-08	9.17E-04	2.90E-07	8.42E-08	9.16E-04	2.89E-07	8.41E-08
254	488249.44, 3856739.39	8.96E-04	2.83E-07	8.23E-08	9.14E-04	2.89E-07	8.39E-08	9.13E-04	2.88E-07	8.38E-08
255	488299.44, 3856739.39	8.91E-04	2.81E-07	8.18E-08	9.10E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
256	488349.44, 3856739.39	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
257	488399.44, 3856739.39	8.93E-04	2.82E-07	8.20E-08	9.11E-04	2.88E-07	8.37E-08	9.10E-04	2.87E-07	8.36E-08
258	487999.44, 3856789.39	9.12E-04	2.88E-07	8.37E-08	9.30E-04	2.94E-07	8.54E-08	9.29E-04	2.93E-07	8.53E-08
259	488049.44, 3856789.39	9.10E-04	2.87E-07	8.35E-08	9.28E-04	2.93E-07	8.52E-08	9.27E-04	2.93E-07	8.51E-08
260	488099.44, 3856789.39	9.09E-04	2.87E-07	8.34E-08	9.27E-04	2.93E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
261	488149.44, 3856789.39	9.06E-04	2.86E-07	8.31E-08	9.24E-04	2.92E-07	8.48E-08	9.23E-04	2.91E-07	8.47E-08
262	488199.44, 3856789.39	9.04E-04	2.85E-07	8.30E-08	9.22E-04	2.91E-07	8.47E-08	9.21E-04	2.91E-07	8.46E-08
263	488249.44, 3856789.39	9.01E-04	2.84E-07	8.27E-08	9.19E-04	2.90E-07	8.44E-08	9.18E-04	2.90E-07	8.43E-08
264	488299.44, 3856789.39	8.97E-04	2.83E-07	8.24E-08	9.16E-04	2.89E-07	8.41E-08	9.14E-04	2.89E-07	8.40E-08
265	488349.44, 3856789.39	8.98E-04	2.83E-07	8.25E-08	9.16E-04	2.89E-07	8.41E-08	9.15E-04	2.89E-07	8.40E-08
266	488399.44, 3856789.39	8.98E-04	2.83E-07	8.24E-08	9.16E-04	2.89E-07	8.41E-08	9.15E-04	2.89E-07	8.40E-08
267	487949.44, 3856839.39	9.18E-04	2.90E-07	8.42E-08	9.36E-04	2.96E-07	8.60E-08	9.35E-04	2.95E-07	8.59E-08
268	487999.44, 3856839.39	9.17E-04	2.89E-07	8.42E-08	9.36E-04	2.95E-07	8.59E-08	9.35E-04	2.95E-07	8.58E-08
269	488049.44, 3856839.39	9.15E-04	2.89E-07	8.40E-08	9.34E-04	2.95E-07	8.57E-08	9.33E-04	2.94E-07	8.56E-08
270	488099.44, 3856839.39	9.13E-04	2.88E-07	8.39E-08	9.32E-04	2.94E-07	8.56E-08	9.31E-04	2.94E-07	8.55E-08
271	488149.44, 3856839.39	9.12E-04	2.88E-07	8.37E-08	9.31E-04	2.94E-07	8.54E-08	9.30E-04	2.93E-07	8.53E-08
272	488199.44, 3856839.39	9.10E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
273	487949.44, 3856889.39	9.21E-04	2.91E-07	8.46E-08	9.40E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08
274	487999.44, 3856889.39	9.23E-04	2.91E-07	8.48E-08	9.42E-04	2.97E-07	8.65E-08	9.41E-04	2.97E-07	8.64E-08
275	488049.44, 3856889.39	9.20E-04	2.90E-07	8.45E-08	9.39E-04	2.96E-07	8.62E-08	9.38E-04	2.96E-07	8.61E-08
276	488099.44, 3856889.39	9.20E-04	2.90E-07	8.45E-08	9.39E-04	2.96E-07	8.62E-08	9.38E-04	2.96E-07	8.61E-08
277	488635.86, 3857895.05	1.35E-03	4.27E-07	1.24E-07	1.38E-03	4.36E-07	1.27E-07	1.38E-03	4.35E-07	1.27E-07
278	489137.64, 3857804.15	1.25E-03	3.96E-07	1.15E-07	1.28E-03	4.04E-07	1.17E-07	1.28E-03	4.03E-07	1.17E-07
279	488617.32, 3857859.41	1.32E-03	4.16E-07	1.21E-07	1.34E-03	4.24E-07	1.23E-07	1.34E-03	4.24E-07	1.23E-07
280	488667.32, 3857859.41	1.32E-03	4.17E-07	1.21E-07	1.35E-03	4.25E-07	1.24E-07	1.35E-03	4.25E-07	1.23E-07
281	488717.32, 3857859.41	1.33E-03	4.18E-07	1.22E-07	1.35E-03	4.27E-07	1.24E-07	1.35E-03	4.26E-07	1.24E-07
282	488767.32, 3857859.41	1.34E-03	4.22E-07	1.23E-07	1.36E-03	4.30E-07	1.25E-07	1.36E-03	4.30E-07	1.25E-07
283	488617.32, 3857909.41	1.37E-03	4.31E-07	1.25E-07	1.39E-03	4.40E-07	1.28E-07	1.39E-03	4.39E-07	1.28E-07
284	488667.32, 3857909.41	1.38E-03	4.36E-07	1.27E-07	1.41E-03	4.45E-07	1.29E-07	1.41E-03	4.44E-07	1.29E-07
285	488717.32, 3857909.41	1.37E-03	4.34E-07	1.26E-07	1.40E-03	4.42E-07	1.29E-07	1.40E-03	4.42E-07	1.29E-07
286	488767.32, 3857909.41	1.39E-03	4.38E-07	1.27E-07	1.42E-03	4.47E-07	1.30E-07	1.41E-03	4.46E-07	1.30E-07
287	488417.32, 3857959.41	1.41E-03	4.44E-07	1.29E-07	1.43E-03	4.53E-07	1.32E-07	1.43E-03	4.52E-07	1.32E-07
288	488467.32, 3857959.41	1.41E-03	4.45E-07	1.30E-07	1.44E-03	4.54E-07	1.32E-07	1.44E-03	4.54E-07	1.32E-07
289	488517.32, 3857959.41	1.42E-03	4.47E-07	1.30E-07	1.45E-03	4.56E-07	1.33E-07	1.44E-03	4.56E-07	1.33E-07
290	488567.32, 3857959.41	1.42E-03	4.48E-07	1.30E-07	1.45E-03	4.57E-07	1.33E-07	1.45E-03	4.57E-07	1.33E-07
291	488617.32, 3857959.41	1.42E-03	4.49E-07	1.31E-07	1.45E-03	4.58E-07	1.33E-07	1.45E-03	4.58E-07	1.33E-07
292	488667.32, 3857959.41	1.43E-03	4.50E-07	1.31E-07	1.46E-03	4.60E-07	1.34E-07	1.45E-03	4.59E-07	1.34E-07
293	488717.32, 3857959.41	1.43E-03	4.53E-07	1.32E-07	1.46E-03	4.62E-07	1.34E-07	1.46E-03	4.61E-07	1.34E-07
294	488767.32, 3857959.41	1.44E-03	4.54E-07	1.32E-07	1.47E-03	4.64E-07	1.35E-07	1.47E-03	4.63E-07	1.35E-07
295	488417.32, 3858009.41	1.46E-03	4.62E-07	1.34E-07	1.49E-03	4.71E-07	1.37E-07	1.49E-03	4.71E-07	1.37E-07
296	488467.32, 3858009.41	1.47E-03	4.64E-07	1.35E-07	1.50E-03	4.74E-07	1.38E-07	1.50E-03	4.73E-07	1.38E-07
297	488517.32, 3858009.41	1.47E-03	4.65E-07	1.35E-07	1.50E-03	4.75E-07	1.38E-07	1.50E-03	4.74E-07	1.38E-07
298	488567.32, 3858009.41	1.48E-03	4.67E-07	1.36E-07	1.51E-03	4.76E-07	1.38E-07	1.51E-03	4.76E-07	1.38E-07
299	488617.32, 3858009.41	1.48E-03	4.67E-07	1.36E-07	1.51E-03	4.77E-07	1.39E-07	1.51E-03	4.76E-07	1.38E-07
300	488667.32, 3858009.41	1.48E-03	4.68E-07	1.36E-07	1.51E-03	4.78E-07	1.39E-07	1.51E-03	4.77E-07	1.39E-07
301	488717.32, 3858009.41	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.80E-07	1.39E-07	1.52E-03	4.79E-07	1.39E-07
302	488767.32, 3858009.41	1.50E-03	4.72E-07	1.37E-07	1.53E-03	4.82E-07	1.40E-07	1.52E-03	4.81E-07	1.40E-07
303	488417.32, 3858059.41	1.53E-03	4.82E-07	1.40E-07	1.56E-03	4.91E-07	1.43E-07	1.56E-03	4.91E-07	1.43E-07
304	488467.32, 3858059.41	1.53E-03	4.84E-07	1.41E-07	1.57E-03	4.94E-07	1.44E-07	1.56E-03	4.93E-07	1.44E-07
305	488517.32, 3858059.41	1.54E-03	4.86E-07	1.41E-07	1.57E-03	4.96E-07	1.44E-07	1.57E-03	4.95E-07	1.44E-07
306	488567.32, 3858059.41	1.54E-03	4.87E-07	1.42E-07	1.57E-03	4.97E-07	1.44E-07	1.57E-03	4.96E-07	1.44E-07

307	488617.32, 3858059.41	1.55E-03	4.88E-07	1.42E-07	1.58E-03	4.98E-07	1.45E-07	1.58E-03	4.97E-07	1.45E-07
308	488667.32, 3858059.41	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
309	488417.32, 3858109.41	1.59E-03	5.01E-07	1.46E-07	1.62E-03	5.11E-07	1.49E-07	1.62E-03	5.11E-07	1.49E-07
310	488467.32, 3858109.41	1.60E-03	5.05E-07	1.47E-07	1.63E-03	5.15E-07	1.50E-07	1.63E-03	5.15E-07	1.50E-07
311	488517.32, 3858109.41	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.18E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
312	488567.32, 3858109.41	1.61E-03	5.09E-07	1.48E-07	1.65E-03	5.19E-07	1.51E-07	1.64E-03	5.19E-07	1.51E-07
313	488617.32, 3858109.41	1.62E-03	5.10E-07	1.48E-07	1.65E-03	5.21E-07	1.51E-07	1.65E-03	5.20E-07	1.51E-07
314	488667.32, 3858109.41	1.62E-03	5.11E-07	1.49E-07	1.65E-03	5.22E-07	1.52E-07	1.65E-03	5.21E-07	1.52E-07
315	488769.93, 3858449.27	2.50E-03	7.88E-07	2.29E-07	2.55E-03	8.04E-07	2.34E-07	2.55E-03	8.03E-07	2.34E-07
316	488819.93, 3858449.27	2.51E-03	7.93E-07	2.31E-07	2.56E-03	8.09E-07	2.35E-07	2.56E-03	8.08E-07	2.35E-07
317	488819.93, 3858499.27	2.75E-03	8.69E-07	2.53E-07	2.81E-03	8.87E-07	2.58E-07	2.81E-03	8.86E-07	2.58E-07
318	488869.93, 3858499.27	2.76E-03	8.72E-07	2.54E-07	2.82E-03	8.90E-07	2.59E-07	2.82E-03	8.89E-07	2.58E-07
319	488869.93, 3858549.27	3.06E-03	9.67E-07	2.81E-07	3.13E-03	9.87E-07	2.87E-07	3.12E-03	9.86E-07	2.87E-07
320	489438.17, 3859571.48	1.08E-02	3.42E-06	9.95E-07	1.11E-02	3.49E-06	1.02E-06	1.10E-02	3.49E-06	1.01E-06
321	489488.17, 3859571.48	1.18E-02	3.73E-06	1.08E-06	1.20E-02	3.80E-06	1.11E-06	1.20E-02	3.80E-06	1.10E-06
322	489538.17, 3859571.48	1.29E-02	4.08E-06	1.19E-06	1.32E-02	4.16E-06	1.21E-06	1.32E-02	4.16E-06	1.21E-06
323	489588.17, 3859571.48	1.42E-02	4.47E-06	1.30E-06	1.44E-02	4.56E-06	1.33E-06	1.44E-02	4.55E-06	1.32E-06
324	489438.17, 3859621.48	9.53E-03	3.01E-06	8.75E-07	9.73E-03	3.07E-06	8.93E-07	9.71E-03	3.07E-06	8.92E-07
325	489488.17, 3859621.48	1.03E-02	3.24E-06	9.43E-07	1.05E-02	3.31E-06	9.62E-07	1.05E-02	3.30E-06	9.61E-07
326	489538.17, 3859621.48	1.11E-02	3.51E-06	1.02E-06	1.14E-02	3.58E-06	1.04E-06	1.13E-02	3.58E-06	1.04E-06
327	489588.17, 3859621.48	1.22E-02	3.84E-06	1.12E-06	1.24E-02	3.92E-06	1.14E-06	1.24E-02	3.91E-06	1.14E-06
328	489238.17, 3859671.48	6.63E-03	2.09E-06	6.09E-07	6.77E-03	2.14E-06	6.21E-07	6.76E-03	2.13E-06	6.21E-07
329	489288.17, 3859671.48	7.02E-03	2.22E-06	6.44E-07	7.16E-03	2.26E-06	6.58E-07	7.15E-03	2.26E-06	6.57E-07
330	489338.17, 3859671.48	7.47E-03	2.36E-06	6.86E-07	7.62E-03	2.41E-06	7.00E-07	7.61E-03	2.40E-06	6.99E-07
331	489388.17, 3859671.48	8.00E-03	2.52E-06	7.34E-07	8.16E-03	2.58E-06	7.49E-07	8.15E-03	2.57E-06	7.48E-07
332	489438.17, 3859671.48	8.52E-03	2.69E-06	7.82E-07	8.69E-03	2.74E-06	7.98E-07	8.68E-03	2.74E-06	7.97E-07
333	489488.17, 3859671.48	9.17E-03	2.89E-06	8.42E-07	9.35E-03	2.95E-06	8.59E-07	9.34E-03	2.95E-06	8.58E-07
334	489538.17, 3859671.48	9.86E-03	3.11E-06	9.05E-07	1.01E-02	3.18E-06	9.24E-07	1.01E-02	3.17E-06	9.23E-07
335	489588.17, 3859671.48	1.07E-02	3.36E-06	9.79E-07	1.09E-02	3.43E-06	9.99E-07	1.09E-02	3.43E-06	9.98E-07
336	489238.17, 3859721.48	6.13E-03	1.93E-06	5.63E-07	6.25E-03	1.97E-06	5.74E-07	6.25E-03	1.97E-06	5.74E-07
337	489288.17, 3859721.48	6.50E-03	2.05E-06	5.97E-07	6.63E-03	2.09E-06	6.09E-07	6.62E-03	2.09E-06	6.08E-07
338	489338.17, 3859721.48	6.87E-03	2.17E-06	6.31E-07	7.01E-03	2.21E-06	6.44E-07	7.01E-03	2.21E-06	6.43E-07
339	489388.17, 3859721.48	7.28E-03	2.30E-06	6.68E-07	7.43E-03	2.35E-06	6.82E-07	7.42E-03	2.34E-06	6.81E-07
340	489438.17, 3859721.48	7.72E-03	2.44E-06	7.09E-07	7.88E-03	2.49E-06	7.23E-07	7.87E-03	2.48E-06	7.22E-07
341	489488.17, 3859721.48	8.26E-03	2.61E-06	7.59E-07	8.43E-03	2.66E-06	7.74E-07	8.42E-03	2.66E-06	7.73E-07
342	489538.17, 3859721.48	8.84E-03	2.79E-06	8.12E-07	9.02E-03	2.85E-06	8.28E-07	9.01E-03	2.84E-06	8.27E-07
343	489588.17, 3859721.48	9.48E-03	2.99E-06	8.70E-07	9.67E-03	3.05E-06	8.88E-07	9.66E-03	3.05E-06	8.87E-07
344	489238.17, 3859771.48	5.70E-03	1.80E-06	5.24E-07	5.82E-03	1.84E-06	5.34E-07	5.81E-03	1.83E-06	5.34E-07
345	489288.17, 3859771.48	6.02E-03	1.90E-06	5.53E-07	6.14E-03	1.94E-06	5.64E-07	6.14E-03	1.94E-06	5.63E-07
346	489338.17, 3859771.48	6.33E-03	2.00E-06	5.81E-07	6.46E-03	2.04E-06	5.93E-07	6.45E-03	2.04E-06	5.92E-07
347	489388.17, 3859771.48	6.68E-03	2.11E-06	6.14E-07	6.82E-03	2.15E-06	6.26E-07	6.81E-03	2.15E-06	6.25E-07
348	489438.17, 3859771.48	7.05E-03	2.22E-06	6.47E-07	7.19E-03	2.27E-06	6.60E-07	7.18E-03	2.27E-06	6.60E-07
349	489488.17, 3859771.48	7.52E-03	2.37E-06	6.90E-07	7.67E-03	2.42E-06	7.05E-07	7.67E-03	2.42E-06	7.04E-07
350	489538.17, 3859771.48	8.01E-03	2.53E-06	7.35E-07	8.17E-03	2.58E-06	7.50E-07	8.16E-03	2.58E-06	7.49E-07
351	489588.17, 3859771.48	8.51E-03	2.69E-06	7.81E-07	8.69E-03	2.74E-06	7.97E-07	8.68E-03	2.74E-06	7.96E-07
352	489238.17, 3859821.48	5.32E-03	1.68E-06	4.89E-07	5.43E-03	1.71E-06	4.98E-07	5.42E-03	1.71E-06	4.98E-07
353	489288.17, 3859821.48	5.60E-03	1.77E-06	5.14E-07	5.72E-03	1.80E-06	5.25E-07	5.71E-03	1.80E-06	5.24E-07
354	489338.17, 3859821.48	5.88E-03	1.85E-06	5.39E-07	6.00E-03	1.89E-06	5.50E-07	5.99E-03	1.89E-06	5.50E-07
355	489388.17, 3859821.48	6.18E-03	1.95E-06	5.67E-07	6.30E-03	1.99E-06	5.79E-07	6.30E-03	1.99E-06	5.78E-07
356	489438.17, 3859821.48	6.53E-03	2.06E-06	6.00E-07	6.67E-03	2.10E-06	6.12E-07	6.66E-03	2.10E-06	6.11E-07
357	489488.17, 3859821.48	6.91E-03	2.18E-06	6.34E-07	7.05E-03	2.22E-06	6.47E-07	7.04E-03	2.22E-06	6.46E-07
358	489538.17, 3859821.48	7.31E-03	2.31E-06	6.71E-07	7.46E-03	2.35E-06	6.84E-07	7.45E-03	2.35E-06	6.84E-07
359	489588.17, 3859821.48	7.72E-03	2.44E-06	7.09E-07	7.88E-03	2.49E-06	7.23E-07	7.87E-03	2.48E-06	7.22E-07
360	489238.17, 3859871.48	5.00E-03	1.58E-06	4.59E-07	5.10E-03	1.61E-06	4.68E-07	5.09E-03	1.61E-06	4.67E-07
361	489288.17, 3859871.48	5.23E-03	1.65E-06	4.80E-07	5.34E-03	1.68E-06	4.90E-07	5.33E-03	1.68E-06	4.89E-07
362	489338.17, 3859871.48	5.48E-03	1.73E-06	5.03E-07	5.59E-03	1.76E-06	5.13E-07	5.58E-03	1.76E-06	5.13E-07
363	489388.17, 3859871.48	5.76E-03	1.82E-06	5.29E-07	5.88E-03	1.85E-06	5.39E-07	5.87E-03	1.85E-06	5.39E-07
364	489438.17, 3859871.48	6.07E-03	1.92E-06	5.57E-07	6.20E-03	1.96E-06	5.69E-07	6.19E-03	1.95E-06	5.68E-07
365	489488.17, 3859871.48	6.39E-03	2.02E-06	5.86E-07	6.52E-03	2.06E-06	5.98E-07	6.51E-03	2.05E-06	5.98E-07
366	489538.17, 3859871.48	6.71E-03	2.12E-06	6.16E-07	6.84E-03	2.16E-06	6.28E-07	6.83E-03	2.16E-06	6.27E-07
367	489588.17, 3859871.48	7.05E-03	2.22E-06	6.47E-07	7.19E-03	2.27E-06	6.60E-07	7.18E-03	2.27E-06	6.59E-07
368	489238.17, 3859921.48	4.71E-03	1.49E-06	4.33E-07	4.81E-03	1.52E-06	4.42E-07	4.81E-03	1.52E-06	4.41E-07

369	489288.17, 3859921.48	4.94E-03	1.56E-06	4.53E-07	5.04E-03	1.59E-06	4.62E-07	5.03E-03	1.59E-06	4.62E-07
370	489338.17, 3859921.48	5.16E-03	1.63E-06	4.73E-07	5.26E-03	1.66E-06	4.83E-07	5.26E-03	1.66E-06	4.82E-07
371	489388.17, 3859921.48	5.40E-03	1.71E-06	4.96E-07	5.51E-03	1.74E-06	5.06E-07	5.51E-03	1.74E-06	5.05E-07
372	489438.17, 3859921.48	5.66E-03	1.79E-06	5.19E-07	5.77E-03	1.82E-06	5.30E-07	5.77E-03	1.82E-06	5.29E-07
373	489488.17, 3859921.48	5.91E-03	1.86E-06	5.42E-07	6.03E-03	1.90E-06	5.53E-07	6.02E-03	1.90E-06	5.53E-07
374	489538.17, 3859921.48	6.17E-03	1.95E-06	5.66E-07	6.30E-03	1.99E-06	5.78E-07	6.29E-03	1.98E-06	5.77E-07
375	489588.17, 3859921.48	6.43E-03	2.03E-06	5.90E-07	6.56E-03	2.07E-06	6.02E-07	6.55E-03	2.07E-06	6.01E-07
376	489238.17, 3859971.48	4.46E-03	1.41E-06	4.10E-07	4.56E-03	1.44E-06	4.18E-07	4.55E-03	1.44E-06	4.18E-07
377	489288.17, 3859971.48	4.65E-03	1.47E-06	4.27E-07	4.75E-03	1.50E-06	4.36E-07	4.74E-03	1.50E-06	4.35E-07
378	489338.17, 3859971.48	4.85E-03	1.53E-06	4.46E-07	4.95E-03	1.56E-06	4.55E-07	4.95E-03	1.56E-06	4.54E-07
379	489388.17, 3859971.48	5.07E-03	1.60E-06	4.65E-07	5.17E-03	1.63E-06	4.75E-07	5.16E-03	1.63E-06	4.74E-07
380	489438.17, 3859971.48	5.25E-03	1.66E-06	4.82E-07	5.36E-03	1.69E-06	4.92E-07	5.35E-03	1.69E-06	4.91E-07
381	489488.17, 3859971.48	5.31E-03	1.68E-06	4.88E-07	5.42E-03	1.71E-06	4.98E-07	5.42E-03	1.71E-06	4.97E-07
382	489538.17, 3859971.48	5.40E-03	1.70E-06	4.95E-07	5.51E-03	1.74E-06	5.05E-07	5.50E-03	1.74E-06	5.05E-07
383	489588.17, 3859971.48	5.47E-03	1.73E-06	5.02E-07	5.58E-03	1.76E-06	5.13E-07	5.58E-03	1.76E-06	5.12E-07
384	483577.7, 3854071	2.72E-03	8.58E-07	2.50E-07	2.77E-03	8.75E-07	2.55E-07	2.77E-03	8.74E-07	2.54E-07
385	483627.7, 3854071	2.71E-03	8.54E-07	2.48E-07	2.76E-03	8.71E-07	2.53E-07	2.76E-03	8.70E-07	2.53E-07
386	483677.7, 3854071	2.69E-03	8.48E-07	2.47E-07	2.74E-03	8.65E-07	2.52E-07	2.74E-03	8.64E-07	2.51E-07
387	483727.7, 3854071	2.67E-03	8.42E-07	2.45E-07	2.72E-03	8.59E-07	2.50E-07	2.72E-03	8.58E-07	2.50E-07
388	483777.7, 3854071	2.63E-03	8.29E-07	2.41E-07	2.68E-03	8.46E-07	2.46E-07	2.68E-03	8.45E-07	2.46E-07
389	483577.7, 3854121	2.57E-03	8.12E-07	2.36E-07	2.62E-03	8.28E-07	2.41E-07	2.62E-03	8.27E-07	2.41E-07
390	483627.7, 3854121	2.55E-03	8.05E-07	2.34E-07	2.60E-03	8.22E-07	2.39E-07	2.60E-03	8.21E-07	2.39E-07
391	483677.7, 3854121	2.52E-03	7.96E-07	2.32E-07	2.57E-03	8.12E-07	2.36E-07	2.57E-03	8.11E-07	2.36E-07
392	483727.7, 3854121	2.49E-03	7.85E-07	2.28E-07	2.54E-03	8.01E-07	2.33E-07	2.53E-03	8.00E-07	2.33E-07
393	483777.7, 3854121	2.46E-03	7.78E-07	2.26E-07	2.51E-03	7.94E-07	2.31E-07	2.51E-03	7.93E-07	2.31E-07
394	483577.7, 3854171	2.42E-03	7.63E-07	2.22E-07	2.47E-03	7.78E-07	2.26E-07	2.46E-03	7.77E-07	2.26E-07
395	483627.7, 3854171	2.38E-03	7.52E-07	2.19E-07	2.43E-03	7.68E-07	2.23E-07	2.43E-03	7.67E-07	2.23E-07
396	483677.7, 3854171	2.36E-03	7.44E-07	2.17E-07	2.41E-03	7.60E-07	2.21E-07	2.40E-03	7.59E-07	2.21E-07
397	483727.7, 3854171	2.34E-03	7.38E-07	2.15E-07	2.39E-03	7.53E-07	2.19E-07	2.38E-03	7.53E-07	2.19E-07
398	483777.7, 3854171	2.32E-03	7.31E-07	2.13E-07	2.36E-03	7.46E-07	2.17E-07	2.36E-03	7.45E-07	2.17E-07
399	483827.7, 3854171	2.27E-03	7.16E-07	2.08E-07	2.32E-03	7.31E-07	2.13E-07	2.31E-03	7.30E-07	2.12E-07
400	483877.7, 3854171	2.24E-03	7.08E-07	2.06E-07	2.29E-03	7.23E-07	2.10E-07	2.29E-03	7.22E-07	2.10E-07
401	483727.7, 3854221	2.21E-03	6.97E-07	2.03E-07	2.25E-03	7.12E-07	2.07E-07	2.25E-03	7.11E-07	2.07E-07
402	483777.7, 3854221	2.18E-03	6.89E-07	2.00E-07	2.23E-03	7.03E-07	2.05E-07	2.23E-03	7.02E-07	2.04E-07
403	483827.7, 3854221	2.18E-03	6.89E-07	2.00E-07	2.23E-03	7.03E-07	2.05E-07	2.23E-03	7.02E-07	2.04E-07
404	483877.7, 3854221	2.15E-03	6.78E-07	1.97E-07	2.19E-03	6.92E-07	2.01E-07	2.19E-03	6.91E-07	2.01E-07
405	489150.19, 3858726.45	5.68E-03	1.79E-06	5.21E-07	5.80E-03	1.83E-06	5.32E-07	5.79E-03	1.83E-06	5.31E-07
406	489200.19, 3858726.45	5.84E-03	1.84E-06	5.36E-07	5.96E-03	1.88E-06	5.47E-07	5.95E-03	1.88E-06	5.46E-07
407	489150.19, 3858776.45	7.97E-03	2.52E-06	7.32E-07	8.13E-03	2.57E-06	7.47E-07	8.12E-03	2.56E-06	7.46E-07
408	489200.19, 3858776.45	8.11E-03	2.56E-06	7.45E-07	8.28E-03	2.61E-06	7.60E-07	8.27E-03	2.61E-06	7.59E-07
409	488919.6, 3856400.76	9.14E-04	2.89E-07	8.39E-08	9.33E-04	2.94E-07	8.57E-08	9.32E-04	2.94E-07	8.56E-08
410	488919.6, 3856450.76	9.09E-04	2.87E-07	8.34E-08	9.27E-04	2.93E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
411	488969.6, 3856450.76	9.09E-04	2.87E-07	8.35E-08	9.28E-04	2.93E-07	8.52E-08	9.27E-04	2.92E-07	8.51E-08
412	488919.6, 3856500.76	9.04E-04	2.85E-07	8.30E-08	9.22E-04	2.91E-07	8.47E-08	9.21E-04	2.91E-07	8.46E-08
413	488969.6, 3856500.76	9.05E-04	2.86E-07	8.31E-08	9.23E-04	2.91E-07	8.48E-08	9.22E-04	2.91E-07	8.47E-08
414	488919.6, 3856550.76	9.00E-04	2.84E-07	8.27E-08	9.19E-04	2.90E-07	8.44E-08	9.18E-04	2.90E-07	8.43E-08
415	488969.6, 3856550.76	9.01E-04	2.84E-07	8.27E-08	9.19E-04	2.90E-07	8.44E-08	9.18E-04	2.90E-07	8.43E-08
416	488819.6, 3856600.76	8.95E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
417	488869.6, 3856600.76	8.95E-04	2.83E-07	8.22E-08	9.14E-04	2.88E-07	8.39E-08	9.13E-04	2.88E-07	8.38E-08
418	488919.6, 3856600.76	8.97E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
419	488819.6, 3856650.76	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
420	488869.6, 3856650.76	8.93E-04	2.82E-07	8.20E-08	9.11E-04	2.88E-07	8.36E-08	9.10E-04	2.87E-07	8.35E-08
421	488819.6, 3856700.76	8.91E-04	2.81E-07	8.18E-08	9.09E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
422	488869.6, 3856700.76	8.92E-04	2.81E-07	8.19E-08	9.10E-04	2.87E-07	8.35E-08	9.09E-04	2.87E-07	8.34E-08
423	488819.6, 3856750.76	8.90E-04	2.81E-07	8.17E-08	9.09E-04	2.87E-07	8.34E-08	9.08E-04	2.86E-07	8.33E-08
424	488869.6, 3856750.76	8.92E-04	2.81E-07	8.19E-08	9.10E-04	2.87E-07	8.35E-08	9.09E-04	2.87E-07	8.34E-08
425	488819.6, 3857050.76	9.21E-04	2.91E-07	8.45E-08	9.39E-04	2.96E-07	8.62E-08	9.38E-04	2.96E-07	8.61E-08
426	488869.6, 3857050.76	9.19E-04	2.90E-07	8.44E-08	9.38E-04	2.96E-07	8.61E-08	9.37E-04	2.96E-07	8.60E-08
427	488919.6, 3857050.76	9.17E-04	2.90E-07	8.42E-08	9.36E-04	2.95E-07	8.59E-08	9.35E-04	2.95E-07	8.58E-08
428	488819.6, 3857100.76	9.32E-04	2.94E-07	8.55E-08	9.51E-04	3.00E-07	8.73E-08	9.50E-04	3.00E-07	8.72E-08
429	488869.6, 3857100.76	9.29E-04	2.93E-07	8.53E-08	9.48E-04	2.99E-07	8.70E-08	9.47E-04	2.99E-07	8.69E-08
430	488919.6, 3857100.76	9.27E-04	2.93E-07	8.51E-08	9.46E-04	2.99E-07	8.69E-08	9.45E-04	2.98E-07	8.68E-08

431	488819.6, 3857150.76	9.45E-04	2.98E-07	8.67E-08	9.64E-04	3.04E-07	8.85E-08	9.63E-04	3.04E-07	8.84E-08
432	488869.6, 3857150.76	9.42E-04	2.97E-07	8.65E-08	9.61E-04	3.03E-07	8.82E-08	9.60E-04	3.03E-07	8.81E-08
433	488919.6, 3857150.76	9.39E-04	2.96E-07	8.62E-08	9.58E-04	3.02E-07	8.79E-08	9.57E-04	3.02E-07	8.78E-08
434	488969.6, 3857150.76	9.36E-04	2.95E-07	8.59E-08	9.55E-04	3.01E-07	8.77E-08	9.54E-04	3.01E-07	8.76E-08
435	488819.6, 3857200.76	9.60E-04	3.03E-07	8.81E-08	9.80E-04	3.09E-07	8.99E-08	9.78E-04	3.09E-07	8.98E-08
436	488869.6, 3857200.76	9.57E-04	3.02E-07	8.78E-08	9.76E-04	3.08E-07	8.96E-08	9.75E-04	3.08E-07	8.95E-08
437	488919.6, 3857200.76	9.53E-04	3.01E-07	8.75E-08	9.72E-04	3.07E-07	8.93E-08	9.71E-04	3.07E-07	8.92E-08
438	488969.6, 3857200.76	9.49E-04	2.99E-07	8.71E-08	9.68E-04	3.05E-07	8.89E-08	9.67E-04	3.05E-07	8.88E-08
439	488819.6, 3857250.76	9.76E-04	3.08E-07	8.96E-08	9.96E-04	3.14E-07	9.15E-08	9.95E-04	3.14E-07	9.13E-08
440	488869.6, 3857250.76	9.72E-04	3.07E-07	8.93E-08	9.92E-04	3.13E-07	9.11E-08	9.91E-04	3.13E-07	9.10E-08
441	488919.6, 3857250.76	9.68E-04	3.06E-07	8.89E-08	9.88E-04	3.12E-07	9.07E-08	9.87E-04	3.11E-07	9.06E-08
442	488969.6, 3857250.76	9.64E-04	3.04E-07	8.85E-08	9.84E-04	3.10E-07	9.03E-08	9.82E-04	3.10E-07	9.02E-08
443	488819.6, 3857300.76	9.95E-04	3.14E-07	9.14E-08	1.02E-03	3.21E-07	9.32E-08	1.01E-03	3.20E-07	9.31E-08
444	488869.6, 3857300.76	9.91E-04	3.13E-07	9.10E-08	1.01E-03	3.19E-07	9.28E-08	1.01E-03	3.19E-07	9.27E-08
445	488919.6, 3857300.76	9.87E-04	3.11E-07	9.06E-08	1.01E-03	3.18E-07	9.24E-08	1.01E-03	3.17E-07	9.23E-08
446	488819.6, 3857450.76	1.06E-03	3.35E-07	9.74E-08	1.08E-03	3.42E-07	9.94E-08	1.08E-03	3.41E-07	9.93E-08
447	488869.6, 3857450.76	1.06E-03	3.34E-07	9.70E-08	1.08E-03	3.40E-07	9.90E-08	1.08E-03	3.40E-07	9.89E-08
448	488919.6, 3857450.76	1.05E-03	3.33E-07	9.67E-08	1.08E-03	3.39E-07	9.87E-08	1.07E-03	3.39E-07	9.86E-08
449	488819.6, 3857500.76	1.09E-03	3.43E-07	9.97E-08	1.11E-03	3.50E-07	1.02E-07	1.11E-03	3.49E-07	1.02E-07
450	488869.6, 3857500.76	1.08E-03	3.42E-07	9.94E-08	1.11E-03	3.49E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
451	488919.6, 3857500.76	1.08E-03	3.41E-07	9.91E-08	1.10E-03	3.48E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
452	488819.6, 3857550.76	1.11E-03	3.51E-07	1.02E-07	1.14E-03	3.58E-07	1.04E-07	1.13E-03	3.58E-07	1.04E-07
453	488869.6, 3857550.76	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.58E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
454	488919.6, 3857550.76	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.56E-07	1.04E-07
455	489663.71, 3860900.05	2.20E-03	6.96E-07	2.02E-07	2.25E-03	7.10E-07	2.06E-07	2.25E-03	7.09E-07	2.06E-07
456	489813.71, 3860900.05	2.32E-03	7.32E-07	2.13E-07	2.37E-03	7.47E-07	2.17E-07	2.37E-03	7.47E-07	2.17E-07
457	489863.71, 3860900.05	2.35E-03	7.43E-07	2.16E-07	2.40E-03	7.58E-07	2.21E-07	2.40E-03	7.57E-07	2.20E-07
458	489913.71, 3860900.05	2.40E-03	7.59E-07	2.21E-07	2.45E-03	7.74E-07	2.25E-07	2.45E-03	7.74E-07	2.25E-07
459	489963.71, 3860900.05	2.44E-03	7.71E-07	2.24E-07	2.49E-03	7.86E-07	2.29E-07	2.49E-03	7.85E-07	2.28E-07
460	490013.71, 3860900.05	2.50E-03	7.88E-07	2.29E-07	2.55E-03	8.04E-07	2.34E-07	2.54E-03	8.03E-07	2.34E-07
461	490063.71, 3860900.05	2.55E-03	8.03E-07	2.34E-07	2.60E-03	8.20E-07	2.38E-07	2.59E-03	8.19E-07	2.38E-07
462	489663.71, 3860950.05	2.12E-03	6.70E-07	1.95E-07	2.17E-03	6.84E-07	1.99E-07	2.16E-03	6.83E-07	1.99E-07
463	489813.71, 3860950.05	2.23E-03	7.04E-07	2.05E-07	2.27E-03	7.18E-07	2.09E-07	2.27E-03	7.17E-07	2.09E-07
464	489863.71, 3860950.05	2.26E-03	7.13E-07	2.07E-07	2.30E-03	7.27E-07	2.12E-07	2.30E-03	7.26E-07	2.11E-07
465	489913.71, 3860950.05	2.30E-03	7.26E-07	2.11E-07	2.35E-03	7.41E-07	2.16E-07	2.34E-03	7.40E-07	2.15E-07
466	489963.71, 3860950.05	2.34E-03	7.37E-07	2.15E-07	2.38E-03	7.53E-07	2.19E-07	2.38E-03	7.52E-07	2.19E-07
467	490013.71, 3860950.05	2.38E-03	7.51E-07	2.18E-07	2.43E-03	7.67E-07	2.23E-07	2.43E-03	7.66E-07	2.23E-07
468	490063.71, 3860950.05	2.43E-03	7.66E-07	2.23E-07	2.48E-03	7.81E-07	2.27E-07	2.47E-03	7.80E-07	2.27E-07
469	489513.71, 3861000.05	1.96E-03	6.19E-07	1.80E-07	2.00E-03	6.31E-07	1.84E-07	2.00E-03	6.30E-07	1.83E-07
470	489563.71, 3861000.05	1.99E-03	6.27E-07	1.82E-07	2.03E-03	6.40E-07	1.86E-07	2.02E-03	6.39E-07	1.86E-07
471	489613.71, 3861000.05	2.02E-03	6.37E-07	1.85E-07	2.06E-03	6.50E-07	1.89E-07	2.06E-03	6.49E-07	1.89E-07
472	489663.71, 3861000.05	2.05E-03	6.47E-07	1.88E-07	2.09E-03	6.60E-07	1.92E-07	2.09E-03	6.59E-07	1.92E-07
473	489713.71, 3861000.05	2.08E-03	6.55E-07	1.91E-07	2.12E-03	6.69E-07	1.94E-07	2.12E-03	6.68E-07	1.94E-07
474	489763.71, 3861000.05	2.11E-03	6.65E-07	1.93E-07	2.15E-03	6.78E-07	1.97E-07	2.15E-03	6.78E-07	1.97E-07
475	489813.71, 3861000.05	2.15E-03	6.77E-07	1.97E-07	2.19E-03	6.91E-07	2.01E-07	2.19E-03	6.90E-07	2.01E-07
476	489863.71, 3861000.05	2.17E-03	6.85E-07	1.99E-07	2.22E-03	6.99E-07	2.03E-07	2.21E-03	6.98E-07	2.03E-07
477	489913.71, 3861000.05	2.21E-03	6.97E-07	2.03E-07	2.25E-03	7.12E-07	2.07E-07	2.25E-03	7.11E-07	2.07E-07
478	489963.71, 3861000.05	2.24E-03	7.07E-07	2.06E-07	2.28E-03	7.21E-07	2.10E-07	2.28E-03	7.20E-07	2.09E-07
479	490013.71, 3861000.05	2.28E-03	7.19E-07	2.09E-07	2.32E-03	7.33E-07	2.13E-07	2.32E-03	7.33E-07	2.13E-07
480	490063.71, 3861000.05	2.32E-03	7.31E-07	2.13E-07	2.36E-03	7.46E-07	2.17E-07	2.36E-03	7.45E-07	2.17E-07
481	489513.71, 3861050.05	1.90E-03	5.99E-07	1.74E-07	1.94E-03	6.12E-07	1.78E-07	1.94E-03	6.11E-07	1.78E-07
482	489563.71, 3861050.05	1.92E-03	6.07E-07	1.77E-07	1.96E-03	6.19E-07	1.80E-07	1.96E-03	6.19E-07	1.80E-07
483	489613.71, 3861050.05	1.96E-03	6.18E-07	1.80E-07	2.00E-03	6.30E-07	1.83E-07	1.99E-03	6.29E-07	1.83E-07
484	489663.71, 3861050.05	1.98E-03	6.24E-07	1.82E-07	2.02E-03	6.37E-07	1.85E-07	2.02E-03	6.36E-07	1.85E-07
485	489713.71, 3861050.05	2.00E-03	6.32E-07	1.84E-07	2.04E-03	6.45E-07	1.88E-07	2.04E-03	6.44E-07	1.87E-07
486	489763.71, 3861050.05	2.03E-03	6.41E-07	1.86E-07	2.07E-03	6.54E-07	1.90E-07	2.07E-03	6.53E-07	1.90E-07
487	489813.71, 3861050.05	2.06E-03	6.51E-07	1.89E-07	2.10E-03	6.64E-07	1.93E-07	2.10E-03	6.63E-07	1.93E-07
488	489863.71, 3861050.05	2.09E-03	6.59E-07	1.92E-07	2.13E-03	6.73E-07	1.96E-07	2.13E-03	6.72E-07	1.96E-07
489	489913.71, 3861050.05	2.12E-03	6.69E-07	1.95E-07	2.16E-03	6.83E-07	1.99E-07	2.16E-03	6.82E-07	1.98E-07
490	489963.71, 3861050.05	2.15E-03	6.78E-07	1.97E-07	2.19E-03	6.92E-07	2.01E-07	2.19E-03	6.91E-07	2.01E-07
491	490013.71, 3861050.05	2.19E-03	6.90E-07	2.01E-07	2.23E-03	7.04E-07	2.05E-07	2.23E-03	7.03E-07	2.05E-07
492	490063.71, 3861050.05	2.22E-03	7.00E-07	2.04E-07	2.26E-03	7.14E-07	2.08E-07	2.26E-03	7.14E-07	2.08E-07

493	489513.71, 3861100.05	1.85E-03	5.83E-07	1.70E-07	1.88E-03	5.95E-07	1.73E-07	1.88E-03	5.94E-07	1.73E-07
494	489563.71, 3861100.05	1.86E-03	5.88E-07	1.71E-07	1.90E-03	6.00E-07	1.74E-07	1.90E-03	5.99E-07	1.74E-07
495	489613.71, 3861100.05	1.88E-03	5.92E-07	1.72E-07	1.91E-03	6.04E-07	1.76E-07	1.91E-03	6.04E-07	1.76E-07
496	489663.71, 3861100.05	1.90E-03	6.00E-07	1.75E-07	1.94E-03	6.13E-07	1.78E-07	1.94E-03	6.12E-07	1.78E-07
497	489713.71, 3861100.05	1.93E-03	6.09E-07	1.77E-07	1.97E-03	6.21E-07	1.81E-07	1.97E-03	6.20E-07	1.80E-07
498	489763.71, 3861100.05	1.95E-03	6.17E-07	1.79E-07	1.99E-03	6.29E-07	1.83E-07	1.99E-03	6.29E-07	1.83E-07
499	489813.71, 3861100.05	1.98E-03	6.26E-07	1.82E-07	2.02E-03	6.39E-07	1.86E-07	2.02E-03	6.38E-07	1.86E-07
500	489863.71, 3861100.05	2.02E-03	6.36E-07	1.85E-07	2.06E-03	6.49E-07	1.89E-07	2.05E-03	6.48E-07	1.89E-07
501	489913.71, 3861100.05	2.04E-03	6.43E-07	1.87E-07	2.08E-03	6.56E-07	1.91E-07	2.08E-03	6.55E-07	1.91E-07
502	489963.71, 3861100.05	2.06E-03	6.51E-07	1.89E-07	2.11E-03	6.65E-07	1.93E-07	2.10E-03	6.64E-07	1.93E-07
503	490013.71, 3861100.05	2.09E-03	6.59E-07	1.92E-07	2.13E-03	6.73E-07	1.96E-07	2.13E-03	6.72E-07	1.95E-07
504	490063.71, 3861100.05	2.12E-03	6.69E-07	1.94E-07	2.16E-03	6.82E-07	1.98E-07	2.16E-03	6.82E-07	1.98E-07
505	489713.71, 3861150.05	1.86E-03	5.87E-07	1.71E-07	1.90E-03	5.99E-07	1.74E-07	1.89E-03	5.98E-07	1.74E-07
506	489763.71, 3861150.05	1.88E-03	5.95E-07	1.73E-07	1.92E-03	6.07E-07	1.76E-07	1.92E-03	6.06E-07	1.76E-07
507	489813.71, 3861150.05	1.91E-03	6.03E-07	1.75E-07	1.95E-03	6.15E-07	1.79E-07	1.95E-03	6.15E-07	1.79E-07
508	489863.71, 3861150.05	1.93E-03	6.10E-07	1.78E-07	1.97E-03	6.23E-07	1.81E-07	1.97E-03	6.22E-07	1.81E-07
509	489913.71, 3861150.05	1.96E-03	6.18E-07	1.80E-07	2.00E-03	6.30E-07	1.83E-07	1.99E-03	6.29E-07	1.83E-07
510	489963.71, 3861150.05	1.98E-03	6.24E-07	1.82E-07	2.02E-03	6.37E-07	1.85E-07	2.02E-03	6.36E-07	1.85E-07
511	490013.71, 3861150.05	2.00E-03	6.31E-07	1.84E-07	2.04E-03	6.44E-07	1.87E-07	2.04E-03	6.44E-07	1.87E-07
512	490063.71, 3861150.05	2.03E-03	6.40E-07	1.86E-07	2.07E-03	6.53E-07	1.90E-07	2.07E-03	6.53E-07	1.90E-07
513	489613.71, 3861200.05	1.75E-03	5.52E-07	1.60E-07	1.78E-03	5.63E-07	1.64E-07	1.78E-03	5.62E-07	1.64E-07
514	489663.71, 3861200.05	1.77E-03	5.59E-07	1.63E-07	1.81E-03	5.70E-07	1.66E-07	1.80E-03	5.70E-07	1.66E-07
515	489713.71, 3861200.05	1.79E-03	5.66E-07	1.65E-07	1.83E-03	5.78E-07	1.68E-07	1.83E-03	5.77E-07	1.68E-07
516	489763.71, 3861200.05	1.82E-03	5.73E-07	1.67E-07	1.85E-03	5.85E-07	1.70E-07	1.85E-03	5.84E-07	1.70E-07
517	489813.71, 3861200.05	1.84E-03	5.81E-07	1.69E-07	1.88E-03	5.93E-07	1.72E-07	1.88E-03	5.92E-07	1.72E-07
518	489863.71, 3861200.05	1.87E-03	5.89E-07	1.71E-07	1.90E-03	6.01E-07	1.75E-07	1.90E-03	6.00E-07	1.75E-07
519	489913.71, 3861200.05	1.88E-03	5.95E-07	1.73E-07	1.92E-03	6.07E-07	1.77E-07	1.92E-03	6.06E-07	1.76E-07
520	489963.71, 3861200.05	1.90E-03	6.00E-07	1.75E-07	1.94E-03	6.13E-07	1.78E-07	1.94E-03	6.12E-07	1.78E-07
521	490013.71, 3861200.05	1.92E-03	6.07E-07	1.77E-07	1.96E-03	6.20E-07	1.80E-07	1.96E-03	6.19E-07	1.80E-07
522	490063.71, 3861200.05	1.94E-03	6.14E-07	1.79E-07	1.98E-03	6.26E-07	1.82E-07	1.98E-03	6.26E-07	1.82E-07
523	489513.71, 3861250.05	1.65E-03	5.20E-07	1.51E-07	1.68E-03	5.30E-07	1.54E-07	1.68E-03	5.30E-07	1.54E-07
524	489563.71, 3861250.05	1.67E-03	5.27E-07	1.53E-07	1.70E-03	5.38E-07	1.56E-07	1.70E-03	5.37E-07	1.56E-07
525	489613.71, 3861250.05	1.69E-03	5.34E-07	1.55E-07	1.73E-03	5.45E-07	1.59E-07	1.72E-03	5.44E-07	1.58E-07
526	489663.71, 3861250.05	1.71E-03	5.40E-07	1.57E-07	1.75E-03	5.51E-07	1.60E-07	1.74E-03	5.51E-07	1.60E-07
527	489713.71, 3861250.05	1.73E-03	5.47E-07	1.59E-07	1.77E-03	5.58E-07	1.62E-07	1.77E-03	5.57E-07	1.62E-07
528	489763.71, 3861250.05	1.75E-03	5.53E-07	1.61E-07	1.79E-03	5.65E-07	1.64E-07	1.79E-03	5.64E-07	1.64E-07
529	489813.71, 3861250.05	1.77E-03	5.60E-07	1.63E-07	1.81E-03	5.71E-07	1.66E-07	1.81E-03	5.71E-07	1.66E-07
530	489863.71, 3861250.05	1.79E-03	5.66E-07	1.65E-07	1.83E-03	5.78E-07	1.68E-07	1.83E-03	5.77E-07	1.68E-07
531	489913.71, 3861250.05	1.82E-03	5.73E-07	1.67E-07	1.85E-03	5.85E-07	1.70E-07	1.85E-03	5.84E-07	1.70E-07
532	489963.71, 3861250.05	1.83E-03	5.79E-07	1.68E-07	1.87E-03	5.91E-07	1.72E-07	1.87E-03	5.90E-07	1.72E-07
533	490013.71, 3861250.05	1.85E-03	5.85E-07	1.70E-07	1.89E-03	5.96E-07	1.73E-07	1.89E-03	5.96E-07	1.73E-07
534	490063.71, 3861250.05	1.87E-03	5.89E-07	1.71E-07	1.90E-03	6.01E-07	1.75E-07	1.90E-03	6.00E-07	1.75E-07
535	489528.13, 3861308.47	1.59E-03	5.02E-07	1.46E-07	1.62E-03	5.12E-07	1.49E-07	1.62E-03	5.12E-07	1.49E-07
536	489578.13, 3861308.47	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.19E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
537	489628.13, 3861308.47	1.63E-03	5.14E-07	1.50E-07	1.66E-03	5.25E-07	1.53E-07	1.66E-03	5.24E-07	1.52E-07
538	489678.13, 3861308.47	1.65E-03	5.21E-07	1.51E-07	1.68E-03	5.31E-07	1.55E-07	1.68E-03	5.31E-07	1.54E-07
539	489728.13, 3861308.47	1.67E-03	5.27E-07	1.53E-07	1.70E-03	5.37E-07	1.56E-07	1.70E-03	5.37E-07	1.56E-07
540	489778.13, 3861308.47	1.69E-03	5.32E-07	1.55E-07	1.72E-03	5.43E-07	1.58E-07	1.72E-03	5.42E-07	1.58E-07
541	489678.13, 3861358.47	1.59E-03	5.03E-07	1.46E-07	1.63E-03	5.13E-07	1.49E-07	1.62E-03	5.13E-07	1.49E-07
542	489728.13, 3861358.47	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.19E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
543	489528.13, 3861408.47	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.80E-07	1.40E-07	1.52E-03	4.79E-07	1.39E-07
544	489578.13, 3861408.47	1.51E-03	4.75E-07	1.38E-07	1.54E-03	4.85E-07	1.41E-07	1.54E-03	4.85E-07	1.41E-07
545	489628.13, 3861408.47	1.53E-03	4.82E-07	1.40E-07	1.56E-03	4.92E-07	1.43E-07	1.56E-03	4.91E-07	1.43E-07
546	489678.13, 3861408.47	1.54E-03	4.86E-07	1.41E-07	1.57E-03	4.96E-07	1.44E-07	1.57E-03	4.96E-07	1.44E-07
547	489728.13, 3861408.47	1.55E-03	4.91E-07	1.43E-07	1.59E-03	5.01E-07	1.46E-07	1.58E-03	5.00E-07	1.45E-07
548	489528.13, 3861458.47	1.44E-03	4.56E-07	1.33E-07	1.47E-03	4.65E-07	1.35E-07	1.47E-03	4.65E-07	1.35E-07
549	489578.13, 3861458.47	1.46E-03	4.61E-07	1.34E-07	1.49E-03	4.70E-07	1.37E-07	1.49E-03	4.70E-07	1.37E-07
550	489628.13, 3861458.47	1.48E-03	4.66E-07	1.35E-07	1.51E-03	4.75E-07	1.38E-07	1.50E-03	4.75E-07	1.38E-07
551	489678.13, 3861458.47	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.79E-07	1.39E-07	1.52E-03	4.79E-07	1.39E-07
552	489728.13, 3861458.47	1.50E-03	4.73E-07	1.38E-07	1.53E-03	4.83E-07	1.40E-07	1.53E-03	4.82E-07	1.40E-07
553	489528.13, 3861508.47	1.40E-03	4.42E-07	1.29E-07	1.43E-03	4.51E-07	1.31E-07	1.43E-03	4.50E-07	1.31E-07
554	489578.13, 3861508.47	1.41E-03	4.46E-07	1.30E-07	1.44E-03	4.55E-07	1.32E-07	1.44E-03	4.55E-07	1.32E-07

555	489628.13, 3861508.47	1.43E-03	4.50E-07	1.31E-07	1.45E-03	4.59E-07	1.34E-07	1.45E-03	4.59E-07	1.33E-07
556	489678.13, 3861508.47	1.44E-03	4.54E-07	1.32E-07	1.47E-03	4.63E-07	1.35E-07	1.46E-03	4.62E-07	1.34E-07
557	489728.13, 3861508.47	1.45E-03	4.57E-07	1.33E-07	1.48E-03	4.66E-07	1.36E-07	1.48E-03	4.66E-07	1.35E-07
558	489628.13, 3861558.47	1.38E-03	4.36E-07	1.27E-07	1.41E-03	4.45E-07	1.29E-07	1.41E-03	4.45E-07	1.29E-07
559	489678.13, 3861558.47	1.40E-03	4.40E-07	1.28E-07	1.42E-03	4.49E-07	1.31E-07	1.42E-03	4.49E-07	1.31E-07
560	489728.13, 3861558.47	1.41E-03	4.44E-07	1.29E-07	1.43E-03	4.53E-07	1.32E-07	1.43E-03	4.52E-07	1.32E-07
561	489357.08, 3861015.81	1.86E-03	5.86E-07	1.70E-07	1.89E-03	5.97E-07	1.74E-07	1.89E-03	5.97E-07	1.74E-07
562	489407.08, 3861015.81	1.88E-03	5.93E-07	1.72E-07	1.92E-03	6.05E-07	1.76E-07	1.91E-03	6.04E-07	1.76E-07
563	489457.08, 3861015.81	1.90E-03	6.01E-07	1.75E-07	1.94E-03	6.13E-07	1.78E-07	1.94E-03	6.12E-07	1.78E-07
564	489357.08, 3861065.81	1.80E-03	5.68E-07	1.65E-07	1.84E-03	5.79E-07	1.69E-07	1.83E-03	5.79E-07	1.68E-07
565	489407.08, 3861065.81	1.82E-03	5.74E-07	1.67E-07	1.86E-03	5.86E-07	1.70E-07	1.85E-03	5.85E-07	1.70E-07
566	489457.08, 3861065.81	1.84E-03	5.82E-07	1.69E-07	1.88E-03	5.94E-07	1.73E-07	1.88E-03	5.93E-07	1.73E-07
567	489357.08, 3861115.81	1.74E-03	5.50E-07	1.60E-07	1.78E-03	5.61E-07	1.63E-07	1.78E-03	5.61E-07	1.63E-07
568	489407.08, 3861115.81	1.77E-03	5.58E-07	1.62E-07	1.80E-03	5.69E-07	1.66E-07	1.80E-03	5.68E-07	1.65E-07
569	489457.08, 3861115.81	1.79E-03	5.65E-07	1.64E-07	1.83E-03	5.77E-07	1.68E-07	1.83E-03	5.76E-07	1.68E-07
570	489407.08, 3861165.81	1.72E-03	5.42E-07	1.58E-07	1.75E-03	5.53E-07	1.61E-07	1.75E-03	5.52E-07	1.61E-07
571	489457.08, 3861165.81	1.73E-03	5.48E-07	1.59E-07	1.77E-03	5.59E-07	1.63E-07	1.77E-03	5.58E-07	1.62E-07
572	489407.08, 3861215.81	1.65E-03	5.21E-07	1.52E-07	1.68E-03	5.32E-07	1.55E-07	1.68E-03	5.31E-07	1.54E-07
573	489457.08, 3861215.81	1.67E-03	5.27E-07	1.53E-07	1.70E-03	5.38E-07	1.56E-07	1.70E-03	5.37E-07	1.56E-07
574	489407.08, 3861265.81	1.59E-03	5.01E-07	1.46E-07	1.62E-03	5.11E-07	1.49E-07	1.62E-03	5.11E-07	1.49E-07
575	489457.08, 3861265.81	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.18E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
576	489309.86, 3861110.14	1.73E-03	5.45E-07	1.58E-07	1.76E-03	5.56E-07	1.62E-07	1.76E-03	5.55E-07	1.61E-07
577	489407.08, 3861315.81	1.54E-03	4.86E-07	1.41E-07	1.57E-03	4.96E-07	1.44E-07	1.57E-03	4.95E-07	1.44E-07
578	489457.08, 3861315.81	1.56E-03	4.92E-07	1.43E-07	1.59E-03	5.02E-07	1.46E-07	1.59E-03	5.01E-07	1.46E-07
579	488906.03, 3861006.75	1.66E-03	5.25E-07	1.53E-07	1.70E-03	5.36E-07	1.56E-07	1.70E-03	5.35E-07	1.56E-07
580	488956.03, 3861006.75	1.69E-03	5.35E-07	1.56E-07	1.73E-03	5.46E-07	1.59E-07	1.73E-03	5.45E-07	1.59E-07
581	488904.24, 3861051.87	1.65E-03	5.20E-07	1.51E-07	1.68E-03	5.30E-07	1.54E-07	1.68E-03	5.30E-07	1.54E-07
582	488954.24, 3861051.87	1.66E-03	5.24E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.34E-07	1.55E-07
583	489004.24, 3861051.87	1.69E-03	5.34E-07	1.55E-07	1.73E-03	5.45E-07	1.58E-07	1.72E-03	5.44E-07	1.58E-07
584	488804.24, 3861101.87	1.54E-03	4.87E-07	1.42E-07	1.58E-03	4.97E-07	1.45E-07	1.57E-03	4.97E-07	1.44E-07
585	488854.24, 3861101.87	1.57E-03	4.96E-07	1.44E-07	1.60E-03	5.06E-07	1.47E-07	1.60E-03	5.05E-07	1.47E-07
586	488904.24, 3861101.87	1.57E-03	4.96E-07	1.44E-07	1.60E-03	5.06E-07	1.47E-07	1.60E-03	5.06E-07	1.47E-07
587	488954.24, 3861101.87	1.59E-03	5.01E-07	1.46E-07	1.62E-03	5.11E-07	1.49E-07	1.62E-03	5.10E-07	1.48E-07
588	489004.24, 3861101.87	1.61E-03	5.07E-07	1.48E-07	1.64E-03	5.18E-07	1.51E-07	1.64E-03	5.17E-07	1.50E-07
589	488804.24, 3861151.87	1.48E-03	4.66E-07	1.35E-07	1.51E-03	4.75E-07	1.38E-07	1.50E-03	4.75E-07	1.38E-07
590	488854.24, 3861151.87	1.49E-03	4.71E-07	1.37E-07	1.52E-03	4.80E-07	1.40E-07	1.52E-03	4.80E-07	1.40E-07
591	489129.49, 3861187.55	1.56E-03	4.93E-07	1.44E-07	1.60E-03	5.04E-07	1.46E-07	1.59E-03	5.03E-07	1.46E-07
592	489179.49, 3861187.55	1.58E-03	4.99E-07	1.45E-07	1.61E-03	5.09E-07	1.48E-07	1.61E-03	5.09E-07	1.48E-07
593	488804.24, 3861201.87	1.44E-03	4.54E-07	1.32E-07	1.47E-03	4.63E-07	1.35E-07	1.47E-03	4.63E-07	1.35E-07
594	488854.24, 3861201.87	1.45E-03	4.57E-07	1.33E-07	1.48E-03	4.66E-07	1.36E-07	1.48E-03	4.66E-07	1.35E-07
595	489129.49, 3861237.55	1.53E-03	4.81E-07	1.40E-07	1.56E-03	4.91E-07	1.43E-07	1.55E-03	4.91E-07	1.43E-07
596	489179.49, 3861237.55	1.54E-03	4.85E-07	1.41E-07	1.57E-03	4.95E-07	1.44E-07	1.57E-03	4.94E-07	1.44E-07
597	488804.24, 3861251.87	1.40E-03	4.43E-07	1.29E-07	1.43E-03	4.52E-07	1.32E-07	1.43E-03	4.52E-07	1.31E-07
598	488854.24, 3861251.87	1.41E-03	4.45E-07	1.30E-07	1.44E-03	4.55E-07	1.32E-07	1.44E-03	4.54E-07	1.32E-07
599	488804.24, 3861301.87	1.37E-03	4.31E-07	1.25E-07	1.39E-03	4.40E-07	1.28E-07	1.39E-03	4.39E-07	1.28E-07
600	488854.24, 3861301.87	1.38E-03	4.34E-07	1.26E-07	1.40E-03	4.43E-07	1.29E-07	1.40E-03	4.43E-07	1.29E-07
601	490943.5, 3860181.97	1.44E-02	4.54E-06	1.32E-06	1.47E-02	4.64E-06	1.35E-06	1.47E-02	4.63E-06	1.35E-06
602	490993.5, 3860181.97	1.58E-02	4.98E-06	1.45E-06	1.61E-02	5.08E-06	1.48E-06	1.61E-02	5.08E-06	1.48E-06
603	491043.5, 3860181.97	1.76E-02	5.54E-06	1.61E-06	1.79E-02	5.65E-06	1.64E-06	1.79E-02	5.65E-06	1.64E-06
604	491093.5, 3860181.97	1.97E-02	6.23E-06	1.81E-06	2.01E-02	6.36E-06	1.85E-06	2.01E-02	6.35E-06	1.85E-06
605	490943.5, 3860231.97	1.25E-02	3.94E-06	1.15E-06	1.27E-02	4.02E-06	1.17E-06	1.27E-02	4.01E-06	1.17E-06
606	490993.5, 3860231.97	1.37E-02	4.32E-06	1.26E-06	1.40E-02	4.41E-06	1.28E-06	1.40E-02	4.41E-06	1.28E-06
607	491043.5, 3860231.97	1.49E-02	4.70E-06	1.37E-06	1.52E-02	4.80E-06	1.40E-06	1.52E-02	4.79E-06	1.39E-06
608	491093.5, 3860231.97	1.64E-02	5.17E-06	1.50E-06	1.67E-02	5.27E-06	1.53E-06	1.67E-02	5.27E-06	1.53E-06
609	490943.5, 3860281.97	1.10E-02	3.46E-06	1.01E-06	1.12E-02	3.54E-06	1.03E-06	1.12E-02	3.53E-06	1.03E-06
610	490993.5, 3860281.97	1.19E-02	3.76E-06	1.09E-06	1.21E-02	3.83E-06	1.12E-06	1.21E-02	3.83E-06	1.11E-06
611	491043.5, 3860281.97	1.29E-02	4.06E-06	1.18E-06	1.31E-02	4.14E-06	1.20E-06	1.31E-02	4.14E-06	1.20E-06
612	491093.5, 3860281.97	1.40E-02	4.41E-06	1.28E-06	1.43E-02	4.50E-06	1.31E-06	1.42E-02	4.50E-06	1.31E-06
613	490943.5, 3860331.97	9.74E-03	3.07E-06	8.94E-07	9.94E-03	3.14E-06	9.12E-07	9.92E-03	3.13E-06	9.11E-07
614	490993.5, 3860331.97	1.04E-02	3.27E-06	9.51E-07	1.06E-02	3.34E-06	9.70E-07	1.06E-02	3.33E-06	9.69E-07
615	491043.5, 3860331.97	1.11E-02	3.50E-06	1.02E-06	1.13E-02	3.57E-06	1.04E-06	1.13E-02	3.57E-06	1.04E-06
616	491093.5, 3860331.97	1.20E-02	3.78E-06	1.10E-06	1.22E-02	3.86E-06	1.12E-06	1.22E-02	3.85E-06	1.12E-06

617	490086.72, 3859935.12	1.04E-02	3.27E-06	9.51E-07	1.06E-02	3.34E-06	9.71E-07	1.06E-02	3.33E-06	9.70E-07
618	490136.72, 3859935.12	1.09E-02	3.46E-06	1.01E-06	1.12E-02	3.53E-06	1.03E-06	1.12E-02	3.52E-06	1.02E-06
619	490186.72, 3859935.12	1.16E-02	3.66E-06	1.06E-06	1.18E-02	3.74E-06	1.09E-06	1.18E-02	3.73E-06	1.09E-06
620	490236.72, 3859935.12	1.23E-02	3.89E-06	1.13E-06	1.26E-02	3.97E-06	1.15E-06	1.25E-02	3.96E-06	1.15E-06
621	490286.72, 3859935.12	1.31E-02	4.12E-06	1.20E-06	1.33E-02	4.21E-06	1.22E-06	1.33E-02	4.20E-06	1.22E-06
622	490336.72, 3859935.12	1.39E-02	4.38E-06	1.27E-06	1.42E-02	4.47E-06	1.30E-06	1.41E-02	4.46E-06	1.30E-06
623	490386.72, 3859935.12	1.48E-02	4.69E-06	1.36E-06	1.52E-02	4.78E-06	1.39E-06	1.51E-02	4.78E-06	1.39E-06
624	490436.72, 3859935.12	1.59E-02	5.03E-06	1.46E-06	1.63E-02	5.13E-06	1.49E-06	1.62E-02	5.12E-06	1.49E-06
625	490486.72, 3859935.12	1.72E-02	5.44E-06	1.58E-06	1.76E-02	5.55E-06	1.61E-06	1.76E-02	5.54E-06	1.61E-06
626	490536.72, 3859935.12	1.91E-02	6.04E-06	1.76E-06	1.95E-02	6.16E-06	1.79E-06	1.95E-02	6.15E-06	1.79E-06
627	490586.72, 3859935.12	2.16E-02	6.80E-06	1.98E-06	2.20E-02	6.94E-06	2.02E-06	2.20E-02	6.93E-06	2.02E-06
628	490636.72, 3859935.12	2.42E-02	7.63E-06	2.22E-06	2.47E-02	7.78E-06	2.26E-06	2.46E-02	7.77E-06	2.26E-06
629	490686.72, 3859935.12	2.83E-02	8.94E-06	2.60E-06	2.89E-02	9.12E-06	2.65E-06	2.89E-02	9.11E-06	2.65E-06
630	490736.72, 3859935.12	3.33E-02	1.05E-05	3.05E-06	3.39E-02	1.07E-05	3.12E-06	3.39E-02	1.07E-05	3.11E-06
631	490086.72, 3859985.12	9.19E-03	2.90E-06	8.44E-07	9.38E-03	2.96E-06	8.61E-07	9.37E-03	2.96E-06	8.60E-07
632	490136.72, 3859985.12	9.64E-03	3.04E-06	8.85E-07	9.84E-03	3.11E-06	9.03E-07	9.83E-03	3.10E-06	9.02E-07
633	490186.72, 3859985.12	1.02E-02	3.21E-06	9.34E-07	1.04E-02	3.27E-06	9.53E-07	1.04E-02	3.27E-06	9.51E-07
634	490236.72, 3859985.12	1.08E-02	3.40E-06	9.88E-07	1.10E-02	3.47E-06	1.01E-06	1.10E-02	3.46E-06	1.01E-06
635	490286.72, 3859985.12	1.13E-02	3.58E-06	1.04E-06	1.16E-02	3.65E-06	1.06E-06	1.16E-02	3.65E-06	1.06E-06
636	490336.72, 3859985.12	1.20E-02	3.78E-06	1.10E-06	1.22E-02	3.85E-06	1.12E-06	1.22E-02	3.85E-06	1.12E-06
637	490386.72, 3859985.12	1.26E-02	3.97E-06	1.15E-06	1.28E-02	4.05E-06	1.18E-06	1.28E-02	4.04E-06	1.18E-06
638	490436.72, 3859985.12	1.33E-02	4.20E-06	1.22E-06	1.36E-02	4.29E-06	1.25E-06	1.36E-02	4.28E-06	1.25E-06
639	490486.72, 3859985.12	1.42E-02	4.48E-06	1.30E-06	1.45E-02	4.57E-06	1.33E-06	1.45E-02	4.57E-06	1.33E-06
640	490536.72, 3859985.12	1.53E-02	4.84E-06	1.41E-06	1.57E-02	4.94E-06	1.44E-06	1.56E-02	4.94E-06	1.44E-06
641	490586.72, 3859985.12	1.68E-02	5.30E-06	1.54E-06	1.71E-02	5.41E-06	1.57E-06	1.71E-02	5.40E-06	1.57E-06
642	490636.72, 3859985.12	1.86E-02	5.86E-06	1.71E-06	1.90E-02	5.98E-06	1.74E-06	1.89E-02	5.97E-06	1.74E-06
643	490686.72, 3859985.12	2.11E-02	6.64E-06	1.93E-06	2.15E-02	6.78E-06	1.97E-06	2.15E-02	6.77E-06	1.97E-06
644	490736.72, 3859985.12	2.34E-02	7.39E-06	2.15E-06	2.39E-02	7.54E-06	2.19E-06	2.39E-02	7.53E-06	2.19E-06
645	490786.72, 3859985.12	2.64E-02	8.32E-06	2.42E-06	2.69E-02	8.49E-06	2.47E-06	2.69E-02	8.48E-06	2.47E-06
646	490086.72, 3860035.12	8.25E-03	2.60E-06	7.57E-07	8.42E-03	2.66E-06	7.73E-07	8.41E-03	2.65E-06	7.72E-07
647	490136.72, 3860035.12	8.62E-03	2.72E-06	7.91E-07	8.80E-03	2.78E-06	8.07E-07	8.79E-03	2.77E-06	8.07E-07
648	490186.72, 3860035.12	9.03E-03	2.85E-06	8.29E-07	9.21E-03	2.91E-06	8.46E-07	9.20E-03	2.90E-06	8.45E-07
649	490236.72, 3860035.12	9.47E-03	2.99E-06	8.69E-07	9.66E-03	3.05E-06	8.87E-07	9.65E-03	3.05E-06	8.86E-07
650	490286.72, 3860035.12	9.92E-03	3.13E-06	9.11E-07	1.01E-02	3.20E-06	9.29E-07	1.01E-02	3.19E-06	9.28E-07
651	490336.72, 3860035.12	1.05E-02	3.30E-06	9.61E-07	1.07E-02	3.37E-06	9.81E-07	1.07E-02	3.37E-06	9.79E-07
652	490386.72, 3860035.12	1.09E-02	3.45E-06	1.00E-06	1.12E-02	3.52E-06	1.02E-06	1.11E-02	3.52E-06	1.02E-06
653	490436.72, 3860035.12	1.15E-02	3.62E-06	1.05E-06	1.17E-02	3.70E-06	1.08E-06	1.17E-02	3.69E-06	1.07E-06
654	490486.72, 3860035.12	1.21E-02	3.83E-06	1.11E-06	1.24E-02	3.91E-06	1.14E-06	1.24E-02	3.90E-06	1.13E-06
655	490536.72, 3860035.12	1.29E-02	4.08E-06	1.19E-06	1.32E-02	4.16E-06	1.21E-06	1.32E-02	4.16E-06	1.21E-06
656	490586.72, 3860035.12	1.38E-02	4.37E-06	1.27E-06	1.41E-02	4.46E-06	1.30E-06	1.41E-02	4.45E-06	1.29E-06
657	490636.72, 3860035.12	1.48E-02	4.67E-06	1.36E-06	1.51E-02	4.76E-06	1.39E-06	1.51E-02	4.76E-06	1.38E-06
658	490686.72, 3860035.12	1.62E-02	5.10E-06	1.48E-06	1.65E-02	5.20E-06	1.51E-06	1.65E-02	5.20E-06	1.51E-06
659	490736.72, 3860035.12	1.81E-02	5.71E-06	1.66E-06	1.85E-02	5.83E-06	1.69E-06	1.84E-02	5.82E-06	1.69E-06
660	490786.72, 3860035.12	1.99E-02	6.27E-06	1.82E-06	2.03E-02	6.40E-06	1.86E-06	2.02E-02	6.39E-06	1.86E-06
661	490836.72, 3860035.12	2.20E-02	6.93E-06	2.02E-06	2.24E-02	7.08E-06	2.06E-06	2.24E-02	7.07E-06	2.06E-06
662	490086.72, 3860085.12	7.54E-03	2.38E-06	6.92E-07	7.69E-03	2.43E-06	7.06E-07	7.69E-03	2.43E-06	7.06E-07
663	490136.72, 3860085.12	7.78E-03	2.45E-06	7.14E-07	7.94E-03	2.51E-06	7.29E-07	7.93E-03	2.50E-06	7.28E-07
664	490186.72, 3860085.12	8.15E-03	2.57E-06	7.48E-07	8.31E-03	2.62E-06	7.63E-07	8.30E-03	2.62E-06	7.62E-07
665	490236.72, 3860085.12	8.50E-03	2.68E-06	7.80E-07	8.67E-03	2.74E-06	7.96E-07	8.66E-03	2.73E-06	7.95E-07
666	490286.72, 3860085.12	8.87E-03	2.80E-06	8.15E-07	9.05E-03	2.86E-06	8.31E-07	9.04E-03	2.85E-06	8.30E-07
667	490336.72, 3860085.12	9.25E-03	2.92E-06	8.49E-07	9.44E-03	2.98E-06	8.66E-07	9.42E-03	2.97E-06	8.65E-07
668	490386.72, 3860085.12	9.66E-03	3.05E-06	8.86E-07	9.85E-03	3.11E-06	9.05E-07	9.84E-03	3.11E-06	9.04E-07
669	490436.72, 3860085.12	1.01E-02	3.19E-06	9.27E-07	1.03E-02	3.25E-06	9.46E-07	1.03E-02	3.25E-06	9.45E-07
670	490486.72, 3860085.12	1.06E-02	3.33E-06	9.70E-07	1.08E-02	3.40E-06	9.90E-07	1.08E-02	3.40E-06	9.89E-07
671	490536.72, 3860085.12	1.12E-02	3.52E-06	1.02E-06	1.14E-02	3.59E-06	1.05E-06	1.14E-02	3.59E-06	1.04E-06
672	490586.72, 3860085.12	1.18E-02	3.74E-06	1.09E-06	1.21E-02	3.81E-06	1.11E-06	1.21E-02	3.81E-06	1.11E-06
673	490636.72, 3860085.12	1.25E-02	3.96E-06	1.15E-06	1.28E-02	4.04E-06	1.18E-06	1.28E-02	4.04E-06	1.17E-06
674	490686.72, 3860085.12	1.35E-02	4.25E-06	1.24E-06	1.37E-02	4.34E-06	1.26E-06	1.37E-02	4.33E-06	1.26E-06
675	490736.72, 3860085.12	1.46E-02	4.61E-06	1.34E-06	1.49E-02	4.71E-06	1.37E-06	1.49E-02	4.70E-06	1.37E-06
676	490786.72, 3860085.12	1.60E-02	5.04E-06	1.47E-06	1.63E-02	5.14E-06	1.50E-06	1.63E-02	5.14E-06	1.49E-06
677	490836.72, 3860085.12	1.74E-02	5.48E-06	1.59E-06	1.77E-02	5.60E-06	1.63E-06	1.77E-02	5.59E-06	1.63E-06
678	490086.72, 3860135.12	6.77E-03	2.14E-06	6.22E-07	6.91E-03	2.18E-06	6.34E-07	6.90E-03	2.18E-06	6.34E-07

679	490136.72, 3860135.12	7.06E-03	2.23E-06	6.48E-07	7.20E-03	2.27E-06	6.61E-07	7.19E-03	2.27E-06	6.60E-07
680	490186.72, 3860135.12	7.37E-03	2.32E-06	6.76E-07	7.52E-03	2.37E-06	6.90E-07	7.51E-03	2.37E-06	6.89E-07
681	490236.72, 3860135.12	7.66E-03	2.42E-06	7.03E-07	7.81E-03	2.47E-06	7.17E-07	7.80E-03	2.46E-06	7.16E-07
682	490286.72, 3860135.12	7.98E-03	2.52E-06	7.32E-07	8.14E-03	2.57E-06	7.47E-07	8.13E-03	2.57E-06	7.46E-07
683	490336.72, 3860135.12	8.31E-03	2.62E-06	7.63E-07	8.48E-03	2.68E-06	7.78E-07	8.47E-03	2.67E-06	7.77E-07
684	490386.72, 3860135.12	8.64E-03	2.73E-06	7.94E-07	8.82E-03	2.78E-06	8.10E-07	8.81E-03	2.78E-06	8.09E-07
685	490436.72, 3860135.12	8.99E-03	2.84E-06	8.25E-07	9.17E-03	2.89E-06	8.42E-07	9.16E-03	2.89E-06	8.41E-07
686	490486.72, 3860135.12	9.38E-03	2.96E-06	8.61E-07	9.57E-03	3.02E-06	8.79E-07	9.56E-03	3.02E-06	8.78E-07
687	490536.72, 3860135.12	9.86E-03	3.11E-06	9.05E-07	1.01E-02	3.17E-06	9.23E-07	1.00E-02	3.17E-06	9.22E-07
688	490586.72, 3860135.12	1.04E-02	3.27E-06	9.51E-07	1.06E-02	3.34E-06	9.71E-07	1.06E-02	3.33E-06	9.69E-07
689	490636.72, 3860135.12	1.09E-02	3.45E-06	1.00E-06	1.11E-02	3.52E-06	1.02E-06	1.11E-02	3.51E-06	1.02E-06
690	490686.72, 3860135.12	1.16E-02	3.65E-06	1.06E-06	1.18E-02	3.72E-06	1.08E-06	1.18E-02	3.72E-06	1.08E-06
691	490736.72, 3860135.12	1.23E-02	3.89E-06	1.13E-06	1.26E-02	3.97E-06	1.15E-06	1.26E-02	3.97E-06	1.15E-06
692	490786.72, 3860135.12	1.33E-02	4.21E-06	1.22E-06	1.36E-02	4.30E-06	1.25E-06	1.36E-02	4.29E-06	1.25E-06
693	490836.72, 3860135.12	1.44E-02	4.53E-06	1.32E-06	1.47E-02	4.62E-06	1.34E-06	1.46E-02	4.62E-06	1.34E-06
694	490086.72, 3860185.12	6.19E-03	1.95E-06	5.68E-07	6.32E-03	1.99E-06	5.80E-07	6.31E-03	1.99E-06	5.79E-07
695	490136.72, 3860185.12	6.46E-03	2.04E-06	5.93E-07	6.59E-03	2.08E-06	6.05E-07	6.58E-03	2.08E-06	6.04E-07
696	490186.72, 3860185.12	6.72E-03	2.12E-06	6.17E-07	6.85E-03	2.16E-06	6.29E-07	6.85E-03	2.16E-06	6.29E-07
697	490236.72, 3860185.12	6.97E-03	2.20E-06	6.40E-07	7.11E-03	2.24E-06	6.53E-07	7.10E-03	2.24E-06	6.52E-07
698	490286.72, 3860185.12	7.23E-03	2.28E-06	6.64E-07	7.38E-03	2.33E-06	6.77E-07	7.37E-03	2.33E-06	6.76E-07
699	490336.72, 3860185.12	7.50E-03	2.37E-06	6.89E-07	7.66E-03	2.42E-06	7.03E-07	7.65E-03	2.41E-06	7.02E-07
700	490386.72, 3860185.12	7.79E-03	2.46E-06	7.16E-07	7.95E-03	2.51E-06	7.30E-07	7.94E-03	2.51E-06	7.29E-07
701	490436.72, 3860185.12	8.10E-03	2.56E-06	7.44E-07	8.27E-03	2.61E-06	7.59E-07	8.26E-03	2.61E-06	7.58E-07
702	490486.72, 3860185.12	8.42E-03	2.66E-06	7.73E-07	8.59E-03	2.71E-06	7.89E-07	8.58E-03	2.71E-06	7.88E-07
703	490536.72, 3860185.12	8.80E-03	2.78E-06	8.07E-07	8.98E-03	2.83E-06	8.24E-07	8.96E-03	2.83E-06	8.23E-07
704	490586.72, 3860185.12	9.24E-03	2.92E-06	8.48E-07	9.43E-03	2.98E-06	8.66E-07	9.42E-03	2.97E-06	8.65E-07
705	490636.72, 3860185.12	9.67E-03	3.05E-06	8.88E-07	9.87E-03	3.11E-06	9.06E-07	9.85E-03	3.11E-06	9.05E-07
706	490686.72, 3860185.12	1.02E-02	3.22E-06	9.37E-07	1.04E-02	3.29E-06	9.56E-07	1.04E-02	3.28E-06	9.55E-07
707	490736.72, 3860185.12	1.07E-02	3.39E-06	9.86E-07	1.10E-02	3.46E-06	1.01E-06	1.09E-02	3.46E-06	1.01E-06
708	490786.72, 3860185.12	1.15E-02	3.61E-06	1.05E-06	1.17E-02	3.69E-06	1.07E-06	1.17E-02	3.68E-06	1.07E-06
709	490836.72, 3860185.12	1.23E-02	3.87E-06	1.13E-06	1.25E-02	3.95E-06	1.15E-06	1.25E-02	3.95E-06	1.15E-06
710	490086.72, 3860235.12	5.71E-03	1.80E-06	5.24E-07	5.83E-03	1.84E-06	5.35E-07	5.82E-03	1.84E-06	5.34E-07
711	490136.72, 3860235.12	5.93E-03	1.87E-06	5.44E-07	6.05E-03	1.91E-06	5.55E-07	6.04E-03	1.91E-06	5.55E-07
712	490186.72, 3860235.12	6.15E-03	1.94E-06	5.65E-07	6.28E-03	1.98E-06	5.77E-07	6.27E-03	1.98E-06	5.76E-07
713	490236.72, 3860235.12	6.38E-03	2.01E-06	5.85E-07	6.51E-03	2.05E-06	5.97E-07	6.50E-03	2.05E-06	5.97E-07
714	490286.72, 3860235.12	6.60E-03	2.08E-06	6.06E-07	6.74E-03	2.13E-06	6.19E-07	6.73E-03	2.12E-06	6.18E-07
715	490336.72, 3860235.12	6.85E-03	2.16E-06	6.28E-07	6.98E-03	2.20E-06	6.41E-07	6.98E-03	2.20E-06	6.40E-07
716	490386.72, 3860235.12	7.10E-03	2.24E-06	6.51E-07	7.24E-03	2.29E-06	6.65E-07	7.23E-03	2.28E-06	6.64E-07
717	490436.72, 3860235.12	7.37E-03	2.32E-06	6.76E-07	7.52E-03	2.37E-06	6.90E-07	7.51E-03	2.37E-06	6.89E-07
718	490486.72, 3860235.12	7.64E-03	2.41E-06	7.01E-07	7.79E-03	2.46E-06	7.16E-07	7.79E-03	2.46E-06	7.15E-07
719	490536.72, 3860235.12	7.95E-03	2.51E-06	7.30E-07	8.12E-03	2.56E-06	7.45E-07	8.11E-03	2.56E-06	7.44E-07
720	490586.72, 3860235.12	8.31E-03	2.62E-06	7.63E-07	8.48E-03	2.68E-06	7.78E-07	8.47E-03	2.67E-06	7.77E-07
721	490636.72, 3860235.12	8.69E-03	2.74E-06	7.98E-07	8.87E-03	2.80E-06	8.14E-07	8.86E-03	2.80E-06	8.13E-07
722	490686.72, 3860235.12	9.12E-03	2.88E-06	8.37E-07	9.31E-03	2.94E-06	8.54E-07	9.30E-03	2.93E-06	8.53E-07
723	490736.72, 3860235.12	9.59E-03	3.03E-06	8.80E-07	9.78E-03	3.09E-06	8.98E-07	9.77E-03	3.08E-06	8.97E-07
724	490786.72, 3860235.12	1.01E-02	3.19E-06	9.28E-07	1.03E-02	3.26E-06	9.47E-07	1.03E-02	3.25E-06	9.46E-07
725	490086.72, 3860285.12	5.29E-03	1.67E-06	4.85E-07	5.39E-03	1.70E-06	4.95E-07	5.39E-03	1.70E-06	4.95E-07
726	490136.72, 3860285.12	5.48E-03	1.73E-06	5.03E-07	5.59E-03	1.76E-06	5.13E-07	5.58E-03	1.76E-06	5.12E-07
727	490186.72, 3860285.12	5.67E-03	1.79E-06	5.20E-07	5.78E-03	1.82E-06	5.31E-07	5.77E-03	1.82E-06	5.30E-07
728	490236.72, 3860285.12	5.87E-03	1.85E-06	5.39E-07	5.99E-03	1.89E-06	5.50E-07	5.98E-03	1.89E-06	5.49E-07
729	490286.72, 3860285.12	6.07E-03	1.91E-06	5.57E-07	6.19E-03	1.95E-06	5.68E-07	6.18E-03	1.95E-06	5.68E-07
730	490336.72, 3860285.12	6.27E-03	1.98E-06	5.76E-07	6.40E-03	2.02E-06	5.87E-07	6.39E-03	2.02E-06	5.87E-07
731	490386.72, 3860285.12	6.50E-03	2.05E-06	5.97E-07	6.63E-03	2.09E-06	6.09E-07	6.62E-03	2.09E-06	6.08E-07
732	490436.72, 3860285.12	6.73E-03	2.12E-06	6.18E-07	6.87E-03	2.17E-06	6.30E-07	6.86E-03	2.16E-06	6.30E-07
733	490486.72, 3860285.12	6.98E-03	2.20E-06	6.41E-07	7.12E-03	2.25E-06	6.54E-07	7.11E-03	2.24E-06	6.53E-07
734	490536.72, 3860285.12	7.23E-03	2.28E-06	6.64E-07	7.38E-03	2.33E-06	6.78E-07	7.37E-03	2.33E-06	6.77E-07
735	490586.72, 3860285.12	7.52E-03	2.37E-06	6.90E-07	7.67E-03	2.42E-06	7.04E-07	7.66E-03	2.42E-06	7.04E-07
736	490636.72, 3860285.12	7.85E-03	2.48E-06	7.20E-07	8.01E-03	2.53E-06	7.35E-07	8.00E-03	2.52E-06	7.34E-07
737	490686.72, 3860285.12	8.22E-03	2.59E-06	7.55E-07	8.39E-03	2.65E-06	7.70E-07	8.38E-03	2.64E-06	7.69E-07
738	490736.72, 3860285.12	8.62E-03	2.72E-06	7.91E-07	8.79E-03	2.78E-06	8.07E-07	8.78E-03	2.77E-06	8.06E-07
739	490786.72, 3860285.12	9.07E-03	2.86E-06	8.33E-07	9.26E-03	2.92E-06	8.50E-07	9.25E-03	2.92E-06	8.49E-07
740	490086.72, 3860335.12	4.91E-03	1.55E-06	4.51E-07	5.01E-03	1.58E-06	4.60E-07	5.01E-03	1.58E-06	4.59E-07

741	490136.72, 3860335.12	5.08E-03	1.60E-06	4.67E-07	5.19E-03	1.64E-06	4.76E-07	5.18E-03	1.64E-06	4.76E-07
742	490186.72, 3860335.12	5.25E-03	1.66E-06	4.82E-07	5.36E-03	1.69E-06	4.92E-07	5.35E-03	1.69E-06	4.91E-07
743	490236.72, 3860335.12	5.43E-03	1.71E-06	4.99E-07	5.54E-03	1.75E-06	5.09E-07	5.54E-03	1.75E-06	5.08E-07
744	490286.72, 3860335.12	5.60E-03	1.77E-06	5.15E-07	5.72E-03	1.80E-06	5.25E-07	5.71E-03	1.80E-06	5.24E-07
745	490336.72, 3860335.12	5.78E-03	1.82E-06	5.31E-07	5.90E-03	1.86E-06	5.42E-07	5.89E-03	1.86E-06	5.41E-07
746	490386.72, 3860335.12	5.98E-03	1.89E-06	5.49E-07	6.10E-03	1.92E-06	5.60E-07	6.09E-03	1.92E-06	5.59E-07
747	490436.72, 3860335.12	6.18E-03	1.95E-06	5.68E-07	6.31E-03	1.99E-06	5.79E-07	6.30E-03	1.99E-06	5.78E-07
748	490486.72, 3860335.12	6.40E-03	2.02E-06	5.87E-07	6.53E-03	2.06E-06	5.99E-07	6.52E-03	2.06E-06	5.99E-07
749	490536.72, 3860335.12	6.64E-03	2.10E-06	6.10E-07	6.78E-03	2.14E-06	6.22E-07	6.77E-03	2.14E-06	6.21E-07
750	490586.72, 3860335.12	6.88E-03	2.17E-06	6.32E-07	7.02E-03	2.22E-06	6.44E-07	7.01E-03	2.21E-06	6.44E-07
751	490636.72, 3860335.12	7.16E-03	2.26E-06	6.57E-07	7.30E-03	2.30E-06	6.70E-07	7.29E-03	2.30E-06	6.70E-07
752	490686.72, 3860335.12	7.46E-03	2.36E-06	6.85E-07	7.61E-03	2.40E-06	6.99E-07	7.61E-03	2.40E-06	6.98E-07
753	490736.72, 3860335.12	7.80E-03	2.46E-06	7.16E-07	7.96E-03	2.51E-06	7.31E-07	7.95E-03	2.51E-06	7.30E-07
754	490786.72, 3860335.12	8.22E-03	2.59E-06	7.54E-07	8.38E-03	2.65E-06	7.70E-07	8.37E-03	2.64E-06	7.69E-07
755	490086.72, 3860385.12	4.58E-03	1.45E-06	4.21E-07	4.68E-03	1.48E-06	4.29E-07	4.67E-03	1.47E-06	4.29E-07
756	490136.72, 3860385.12	4.74E-03	1.50E-06	4.35E-07	4.84E-03	1.53E-06	4.44E-07	4.83E-03	1.52E-06	4.43E-07
757	490186.72, 3860385.12	4.88E-03	1.54E-06	4.48E-07	4.98E-03	1.57E-06	4.57E-07	4.97E-03	1.57E-06	4.56E-07
758	490236.72, 3860385.12	5.04E-03	1.59E-06	4.62E-07	5.14E-03	1.62E-06	4.72E-07	5.13E-03	1.62E-06	4.71E-07
759	490286.72, 3860385.12	5.19E-03	1.64E-06	4.77E-07	5.30E-03	1.67E-06	4.86E-07	5.29E-03	1.67E-06	4.86E-07
760	490336.72, 3860385.12	5.36E-03	1.69E-06	4.92E-07	5.46E-03	1.72E-06	5.02E-07	5.46E-03	1.72E-06	5.01E-07
761	490386.72, 3860385.12	5.52E-03	1.74E-06	5.07E-07	5.64E-03	1.78E-06	5.18E-07	5.63E-03	1.78E-06	5.17E-07
762	490436.72, 3860385.12	5.71E-03	1.80E-06	5.24E-07	5.82E-03	1.84E-06	5.34E-07	5.81E-03	1.84E-06	5.34E-07
763	490486.72, 3860385.12	5.90E-03	1.86E-06	5.42E-07	6.03E-03	1.90E-06	5.53E-07	6.02E-03	1.90E-06	5.52E-07
764	490536.72, 3860385.12	6.11E-03	1.93E-06	5.61E-07	6.24E-03	1.97E-06	5.73E-07	6.23E-03	1.97E-06	5.72E-07
765	490586.72, 3860385.12	6.33E-03	2.00E-06	5.81E-07	6.46E-03	2.04E-06	5.93E-07	6.45E-03	2.04E-06	5.92E-07
766	490636.72, 3860385.12	6.56E-03	2.07E-06	6.02E-07	6.70E-03	2.11E-06	6.15E-07	6.69E-03	2.11E-06	6.14E-07
767	490686.72, 3860385.12	6.83E-03	2.16E-06	6.27E-07	6.97E-03	2.20E-06	6.40E-07	6.96E-03	2.20E-06	6.39E-07
768	490736.72, 3860385.12	7.11E-03	2.24E-06	6.52E-07	7.25E-03	2.29E-06	6.66E-07	7.24E-03	2.29E-06	6.65E-07
769	490786.72, 3860385.12	7.43E-03	2.34E-06	6.82E-07	7.58E-03	2.39E-06	6.96E-07	7.57E-03	2.39E-06	6.95E-07
770	490136.72, 3860435.12	4.42E-03	1.40E-06	4.06E-07	4.51E-03	1.42E-06	4.14E-07	4.51E-03	1.42E-06	4.14E-07
771	490186.72, 3860435.12	4.56E-03	1.44E-06	4.18E-07	4.65E-03	1.47E-06	4.27E-07	4.65E-03	1.47E-06	4.26E-07
772	490236.72, 3860435.12	4.69E-03	1.48E-06	4.31E-07	4.79E-03	1.51E-06	4.40E-07	4.78E-03	1.51E-06	4.39E-07
773	490286.72, 3860435.12	4.83E-03	1.53E-06	4.44E-07	4.93E-03	1.56E-06	4.53E-07	4.93E-03	1.55E-06	4.52E-07
774	490336.72, 3860435.12	4.97E-03	1.57E-06	4.56E-07	5.07E-03	1.60E-06	4.66E-07	5.07E-03	1.60E-06	4.65E-07
775	490386.72, 3860435.12	5.13E-03	1.62E-06	4.71E-07	5.23E-03	1.65E-06	4.80E-07	5.22E-03	1.65E-06	4.80E-07
776	490436.72, 3860435.12	5.29E-03	1.67E-06	4.85E-07	5.39E-03	1.70E-06	4.95E-07	5.39E-03	1.70E-06	4.95E-07
777	490486.72, 3860435.12	5.46E-03	1.72E-06	5.01E-07	5.57E-03	1.76E-06	5.11E-07	5.56E-03	1.76E-06	5.11E-07
778	490536.72, 3860435.12	5.64E-03	1.78E-06	5.18E-07	5.76E-03	1.82E-06	5.29E-07	5.75E-03	1.82E-06	5.28E-07
779	490586.72, 3860435.12	5.83E-03	1.84E-06	5.36E-07	5.95E-03	1.88E-06	5.46E-07	5.95E-03	1.88E-06	5.46E-07
780	490636.72, 3860435.12	6.03E-03	1.90E-06	5.54E-07	6.16E-03	1.94E-06	5.65E-07	6.15E-03	1.94E-06	5.65E-07
781	490686.72, 3860435.12	6.26E-03	1.98E-06	5.75E-07	6.39E-03	2.02E-06	5.87E-07	6.38E-03	2.01E-06	5.86E-07
782	490736.72, 3860435.12	6.52E-03	2.06E-06	5.99E-07	6.65E-03	2.10E-06	6.11E-07	6.65E-03	2.10E-06	6.10E-07
783	490786.72, 3860435.12	6.78E-03	2.14E-06	6.23E-07	6.92E-03	2.18E-06	6.35E-07	6.91E-03	2.18E-06	6.35E-07
784	490136.72, 3860485.12	4.16E-03	1.31E-06	3.82E-07	4.24E-03	1.34E-06	3.89E-07	4.24E-03	1.34E-06	3.89E-07
785	490186.72, 3860485.12	4.27E-03	1.35E-06	3.92E-07	4.36E-03	1.38E-06	4.00E-07	4.35E-03	1.37E-06	4.00E-07
786	490236.72, 3860485.12	4.39E-03	1.38E-06	4.03E-07	4.48E-03	1.41E-06	4.11E-07	4.47E-03	1.41E-06	4.11E-07
787	490286.72, 3860485.12	4.52E-03	1.43E-06	4.15E-07	4.61E-03	1.45E-06	4.23E-07	4.60E-03	1.45E-06	4.23E-07
788	490336.72, 3860485.12	4.64E-03	1.46E-06	4.26E-07	4.73E-03	1.49E-06	4.35E-07	4.73E-03	1.49E-06	4.34E-07
789	490386.72, 3860485.12	4.78E-03	1.51E-06	4.39E-07	4.88E-03	1.54E-06	4.48E-07	4.87E-03	1.54E-06	4.47E-07
790	490436.72, 3860485.12	4.93E-03	1.56E-06	4.53E-07	5.03E-03	1.59E-06	4.62E-07	5.03E-03	1.59E-06	4.62E-07
791	490486.72, 3860485.12	5.08E-03	1.60E-06	4.66E-07	5.18E-03	1.64E-06	4.76E-07	5.18E-03	1.63E-06	4.75E-07
792	490536.72, 3860485.12	5.23E-03	1.65E-06	4.80E-07	5.33E-03	1.68E-06	4.90E-07	5.33E-03	1.68E-06	4.89E-07
793	490586.72, 3860485.12	5.39E-03	1.70E-06	4.95E-07	5.50E-03	1.74E-06	5.05E-07	5.49E-03	1.73E-06	5.04E-07
794	490636.72, 3860485.12	5.58E-03	1.76E-06	5.12E-07	5.69E-03	1.80E-06	5.23E-07	5.69E-03	1.79E-06	5.22E-07
795	490686.72, 3860485.12	5.76E-03	1.82E-06	5.29E-07	5.88E-03	1.86E-06	5.40E-07	5.87E-03	1.85E-06	5.39E-07
796	490736.72, 3860485.12	5.98E-03	1.89E-06	5.49E-07	6.10E-03	1.93E-06	5.60E-07	6.10E-03	1.92E-06	5.60E-07
797	490786.72, 3860485.12	6.21E-03	1.96E-06	5.70E-07	6.34E-03	2.00E-06	5.82E-07	6.33E-03	2.00E-06	5.81E-07
798	490136.72, 3860535.12	3.91E-03	1.23E-06	3.59E-07	3.99E-03	1.26E-06	3.67E-07	3.99E-03	1.26E-06	3.66E-07
799	490186.72, 3860535.12	4.04E-03	1.27E-06	3.70E-07	4.12E-03	1.30E-06	3.78E-07	4.11E-03	1.30E-06	3.78E-07
800	490236.72, 3860535.12	4.12E-03	1.30E-06	3.78E-07	4.21E-03	1.33E-06	3.86E-07	4.20E-03	1.33E-06	3.86E-07
801	490286.72, 3860535.12	4.23E-03	1.33E-06	3.88E-07	4.31E-03	1.36E-06	3.96E-07	4.31E-03	1.36E-06	3.95E-07
802	490336.72, 3860535.12	4.34E-03	1.37E-06	3.99E-07	4.43E-03	1.40E-06	4.07E-07	4.43E-03	1.40E-06	4.06E-07

803	490386.72, 3860535.12	4.48E-03	1.41E-06	4.11E-07	4.57E-03	1.44E-06	4.19E-07	4.56E-03	1.44E-06	4.19E-07
804	490436.72, 3860535.12	4.61E-03	1.45E-06	4.23E-07	4.70E-03	1.48E-06	4.32E-07	4.70E-03	1.48E-06	4.31E-07
805	490486.72, 3860535.12	4.75E-03	1.50E-06	4.36E-07	4.84E-03	1.53E-06	4.45E-07	4.84E-03	1.53E-06	4.44E-07
806	490536.72, 3860535.12	4.92E-03	1.55E-06	4.52E-07	5.02E-03	1.58E-06	4.61E-07	5.02E-03	1.58E-06	4.60E-07
807	490586.72, 3860535.12	5.02E-03	1.58E-06	4.61E-07	5.12E-03	1.62E-06	4.70E-07	5.12E-03	1.61E-06	4.70E-07
808	490636.72, 3860535.12	5.17E-03	1.63E-06	4.74E-07	5.27E-03	1.66E-06	4.84E-07	5.27E-03	1.66E-06	4.84E-07
809	490686.72, 3860535.12	5.34E-03	1.68E-06	4.90E-07	5.45E-03	1.72E-06	5.00E-07	5.44E-03	1.72E-06	4.99E-07
810	490736.72, 3860535.12	5.51E-03	1.74E-06	5.06E-07	5.62E-03	1.77E-06	5.16E-07	5.62E-03	1.77E-06	5.16E-07
811	490786.72, 3860535.12	5.71E-03	1.80E-06	5.25E-07	5.83E-03	1.84E-06	5.35E-07	5.82E-03	1.84E-06	5.35E-07
812	490136.72, 3860585.12	3.71E-03	1.17E-06	3.40E-07	3.78E-03	1.19E-06	3.47E-07	3.78E-03	1.19E-06	3.47E-07
813	490186.72, 3860585.12	3.75E-03	1.18E-06	3.45E-07	3.83E-03	1.21E-06	3.52E-07	3.83E-03	1.21E-06	3.51E-07
814	490236.72, 3860585.12	3.86E-03	1.22E-06	3.55E-07	3.94E-03	1.24E-06	3.62E-07	3.94E-03	1.24E-06	3.62E-07
815	490286.72, 3860585.12	3.97E-03	1.25E-06	3.65E-07	4.05E-03	1.28E-06	3.72E-07	4.05E-03	1.28E-06	3.72E-07
816	490336.72, 3860585.12	4.08E-03	1.29E-06	3.74E-07	4.16E-03	1.31E-06	3.82E-07	4.15E-03	1.31E-06	3.81E-07
817	490386.72, 3860585.12	4.18E-03	1.32E-06	3.84E-07	4.27E-03	1.35E-06	3.92E-07	4.26E-03	1.35E-06	3.91E-07
818	490436.72, 3860585.12	4.33E-03	1.37E-06	3.98E-07	4.42E-03	1.39E-06	4.06E-07	4.41E-03	1.39E-06	4.05E-07
819	490486.72, 3860585.12	4.48E-03	1.41E-06	4.11E-07	4.57E-03	1.44E-06	4.19E-07	4.56E-03	1.44E-06	4.19E-07
820	490536.72, 3860585.12	4.59E-03	1.45E-06	4.22E-07	4.69E-03	1.48E-06	4.30E-07	4.68E-03	1.48E-06	4.30E-07
821	490586.72, 3860585.12	4.66E-03	1.47E-06	4.28E-07	4.76E-03	1.50E-06	4.37E-07	4.75E-03	1.50E-06	4.36E-07
822	490636.72, 3860585.12	4.80E-03	1.52E-06	4.41E-07	4.90E-03	1.55E-06	4.50E-07	4.89E-03	1.54E-06	4.49E-07
823	490686.72, 3860585.12	4.95E-03	1.56E-06	4.54E-07	5.05E-03	1.59E-06	4.63E-07	5.04E-03	1.59E-06	4.63E-07
824	490736.72, 3860585.12	5.10E-03	1.61E-06	4.68E-07	5.21E-03	1.64E-06	4.78E-07	5.20E-03	1.64E-06	4.77E-07
825	490786.72, 3860585.12	5.26E-03	1.66E-06	4.83E-07	5.37E-03	1.69E-06	4.93E-07	5.36E-03	1.69E-06	4.92E-07
826	490136.72, 3860635.12	3.53E-03	1.11E-06	3.24E-07	3.60E-03	1.14E-06	3.31E-07	3.60E-03	1.14E-06	3.30E-07
827	490186.72, 3860635.12	3.59E-03	1.13E-06	3.30E-07	3.66E-03	1.16E-06	3.36E-07	3.66E-03	1.16E-06	3.36E-07
828	490236.72, 3860635.12	3.65E-03	1.15E-06	3.35E-07	3.72E-03	1.17E-06	3.42E-07	3.72E-03	1.17E-06	3.41E-07
829	490286.72, 3860635.12	3.73E-03	1.18E-06	3.43E-07	3.81E-03	1.20E-06	3.50E-07	3.80E-03	1.20E-06	3.49E-07
830	490336.72, 3860635.12	3.83E-03	1.21E-06	3.52E-07	3.91E-03	1.23E-06	3.59E-07	3.90E-03	1.23E-06	3.58E-07
831	490386.72, 3860635.12	3.93E-03	1.24E-06	3.61E-07	4.01E-03	1.27E-06	3.68E-07	4.01E-03	1.26E-06	3.68E-07
832	490436.72, 3860635.12	4.03E-03	1.27E-06	3.70E-07	4.11E-03	1.30E-06	3.77E-07	4.11E-03	1.30E-06	3.77E-07
833	490486.72, 3860635.12	4.14E-03	1.31E-06	3.80E-07	4.22E-03	1.33E-06	3.88E-07	4.22E-03	1.33E-06	3.87E-07
834	490536.72, 3860635.12	4.27E-03	1.35E-06	3.92E-07	4.35E-03	1.37E-06	4.00E-07	4.35E-03	1.37E-06	3.99E-07
835	490586.72, 3860635.12	4.36E-03	1.38E-06	4.00E-07	4.45E-03	1.40E-06	4.08E-07	4.44E-03	1.40E-06	4.08E-07
836	490636.72, 3860635.12	4.48E-03	1.42E-06	4.12E-07	4.58E-03	1.44E-06	4.20E-07	4.57E-03	1.44E-06	4.20E-07
837	490686.72, 3860635.12	4.61E-03	1.45E-06	4.23E-07	4.70E-03	1.48E-06	4.32E-07	4.70E-03	1.48E-06	4.31E-07
838	490736.72, 3860635.12	4.73E-03	1.49E-06	4.34E-07	4.82E-03	1.52E-06	4.43E-07	4.82E-03	1.52E-06	4.42E-07
839	490786.72, 3860635.12	4.87E-03	1.54E-06	4.47E-07	4.97E-03	1.57E-06	4.56E-07	4.96E-03	1.57E-06	4.56E-07
840	490136.72, 3860685.12	3.33E-03	1.05E-06	3.06E-07	3.40E-03	1.07E-06	3.12E-07	3.40E-03	1.07E-06	3.12E-07
841	490186.72, 3860685.12	3.43E-03	1.08E-06	3.15E-07	3.50E-03	1.11E-06	3.22E-07	3.50E-03	1.10E-06	3.21E-07
842	490236.72, 3860685.12	3.48E-03	1.10E-06	3.20E-07	3.55E-03	1.12E-06	3.26E-07	3.55E-03	1.12E-06	3.26E-07
843	490286.72, 3860685.12	3.51E-03	1.11E-06	3.22E-07	3.58E-03	1.13E-06	3.29E-07	3.58E-03	1.13E-06	3.29E-07
844	490336.72, 3860685.12	3.61E-03	1.14E-06	3.31E-07	3.68E-03	1.16E-06	3.38E-07	3.68E-03	1.16E-06	3.38E-07
845	490386.72, 3860685.12	3.70E-03	1.17E-06	3.40E-07	3.77E-03	1.19E-06	3.46E-07	3.77E-03	1.19E-06	3.46E-07
846	490436.72, 3860685.12	3.78E-03	1.19E-06	3.47E-07	3.86E-03	1.22E-06	3.54E-07	3.85E-03	1.22E-06	3.54E-07
847	490486.72, 3860685.12	3.86E-03	1.22E-06	3.54E-07	3.94E-03	1.24E-06	3.62E-07	3.94E-03	1.24E-06	3.61E-07
848	490536.72, 3860685.12	3.96E-03	1.25E-06	3.64E-07	4.04E-03	1.28E-06	3.71E-07	4.04E-03	1.27E-06	3.71E-07
849	490586.72, 3860685.12	4.07E-03	1.28E-06	3.73E-07	4.15E-03	1.31E-06	3.81E-07	4.15E-03	1.31E-06	3.81E-07
850	490636.72, 3860685.12	4.18E-03	1.32E-06	3.84E-07	4.27E-03	1.35E-06	3.92E-07	4.26E-03	1.35E-06	3.91E-07
851	490686.72, 3860685.12	4.31E-03	1.36E-06	3.95E-07	4.39E-03	1.39E-06	4.03E-07	4.39E-03	1.39E-06	4.03E-07
852	490736.72, 3860685.12	4.42E-03	1.39E-06	4.05E-07	4.51E-03	1.42E-06	4.14E-07	4.50E-03	1.42E-06	4.13E-07
853	490786.72, 3860685.12	4.56E-03	1.44E-06	4.18E-07	4.65E-03	1.47E-06	4.27E-07	4.65E-03	1.47E-06	4.26E-07
854	490136.72, 3860735.12	3.12E-03	9.85E-07	2.87E-07	3.19E-03	1.01E-06	2.92E-07	3.18E-03	1.00E-06	2.92E-07
855	490186.72, 3860735.12	3.18E-03	1.00E-06	2.92E-07	3.24E-03	1.02E-06	2.98E-07	3.24E-03	1.02E-06	2.97E-07
856	490236.72, 3860735.12	3.25E-03	1.02E-06	2.98E-07	3.31E-03	1.05E-06	3.04E-07	3.31E-03	1.04E-06	3.04E-07
857	490286.72, 3860735.12	3.32E-03	1.05E-06	3.05E-07	3.39E-03	1.07E-06	3.11E-07	3.38E-03	1.07E-06	3.11E-07
858	490336.72, 3860735.12	3.39E-03	1.07E-06	3.12E-07	3.46E-03	1.09E-06	3.18E-07	3.46E-03	1.09E-06	3.18E-07
859	490386.72, 3860735.12	3.48E-03	1.10E-06	3.19E-07	3.55E-03	1.12E-06	3.26E-07	3.55E-03	1.12E-06	3.26E-07
860	490436.72, 3860735.12	3.59E-03	1.13E-06	3.29E-07	3.66E-03	1.16E-06	3.36E-07	3.66E-03	1.15E-06	3.36E-07
861	490486.72, 3860735.12	3.65E-03	1.15E-06	3.35E-07	3.73E-03	1.18E-06	3.42E-07	3.72E-03	1.18E-06	3.42E-07
862	490536.72, 3860735.12	3.71E-03	1.17E-06	3.40E-07	3.78E-03	1.19E-06	3.47E-07	3.78E-03	1.19E-06	3.47E-07
863	490586.72, 3860735.12	3.79E-03	1.20E-06	3.48E-07	3.87E-03	1.22E-06	3.55E-07	3.87E-03	1.22E-06	3.55E-07
864	490636.72, 3860735.12	3.89E-03	1.23E-06	3.57E-07	3.97E-03	1.25E-06	3.64E-07	3.96E-03	1.25E-06	3.64E-07

865	490686.72, 3860735.12	4.01E-03	1.26E-06	3.68E-07	4.09E-03	1.29E-06	3.75E-07	4.08E-03	1.29E-06	3.75E-07
866	490736.72, 3860735.12	4.13E-03	1.30E-06	3.79E-07	4.21E-03	1.33E-06	3.87E-07	4.21E-03	1.33E-06	3.86E-07
867	490136.72, 3860785.12	2.94E-03	9.27E-07	2.70E-07	3.00E-03	9.46E-07	2.75E-07	2.99E-03	9.45E-07	2.75E-07
868	490186.72, 3860785.12	3.00E-03	9.47E-07	2.75E-07	3.06E-03	9.66E-07	2.81E-07	3.06E-03	9.65E-07	2.81E-07
869	490236.72, 3860785.12	3.06E-03	9.66E-07	2.81E-07	3.12E-03	9.86E-07	2.87E-07	3.12E-03	9.85E-07	2.86E-07
870	490286.72, 3860785.12	3.13E-03	9.87E-07	2.87E-07	3.19E-03	1.01E-06	2.93E-07	3.19E-03	1.01E-06	2.93E-07
871	490336.72, 3860785.12	3.19E-03	1.01E-06	2.93E-07	3.26E-03	1.03E-06	2.99E-07	3.25E-03	1.03E-06	2.99E-07
872	490386.72, 3860785.12	3.28E-03	1.03E-06	3.01E-07	3.34E-03	1.06E-06	3.07E-07	3.34E-03	1.05E-06	3.07E-07
873	490436.72, 3860785.12	3.35E-03	1.06E-06	3.07E-07	3.42E-03	1.08E-06	3.14E-07	3.41E-03	1.08E-06	3.13E-07
874	490486.72, 3860785.12	3.44E-03	1.09E-06	3.16E-07	3.51E-03	1.11E-06	3.22E-07	3.50E-03	1.11E-06	3.22E-07
875	490536.72, 3860785.12	3.50E-03	1.11E-06	3.21E-07	3.57E-03	1.13E-06	3.28E-07	3.57E-03	1.13E-06	3.28E-07
876	490586.72, 3860785.12	3.55E-03	1.12E-06	3.26E-07	3.62E-03	1.14E-06	3.33E-07	3.62E-03	1.14E-06	3.32E-07
877	490636.72, 3860785.12	3.63E-03	1.14E-06	3.33E-07	3.70E-03	1.17E-06	3.40E-07	3.70E-03	1.17E-06	3.39E-07
878	490686.72, 3860785.12	3.72E-03	1.17E-06	3.41E-07	3.80E-03	1.20E-06	3.48E-07	3.79E-03	1.20E-06	3.48E-07
879	490736.72, 3860785.12	3.83E-03	1.21E-06	3.52E-07	3.91E-03	1.23E-06	3.59E-07	3.90E-03	1.23E-06	3.58E-07
880	490086.72, 3860835.12	2.73E-03	8.62E-07	2.51E-07	2.79E-03	8.80E-07	2.56E-07	2.78E-03	8.79E-07	2.56E-07
881	490136.72, 3860835.12	2.79E-03	8.82E-07	2.57E-07	2.85E-03	9.00E-07	2.62E-07	2.85E-03	8.99E-07	2.61E-07
882	490186.72, 3860835.12	2.84E-03	8.97E-07	2.61E-07	2.90E-03	9.15E-07	2.66E-07	2.90E-03	9.14E-07	2.66E-07
883	490236.72, 3860835.12	2.90E-03	9.14E-07	2.66E-07	2.95E-03	9.32E-07	2.71E-07	2.95E-03	9.31E-07	2.71E-07
884	490286.72, 3860835.12	2.96E-03	9.33E-07	2.71E-07	3.02E-03	9.52E-07	2.77E-07	3.01E-03	9.51E-07	2.77E-07
885	490336.72, 3860835.12	3.01E-03	9.51E-07	2.77E-07	3.07E-03	9.70E-07	2.82E-07	3.07E-03	9.69E-07	2.82E-07
886	490386.72, 3860835.12	3.07E-03	9.70E-07	2.82E-07	3.14E-03	9.90E-07	2.88E-07	3.13E-03	9.89E-07	2.88E-07
887	490436.72, 3860835.12	3.15E-03	9.93E-07	2.89E-07	3.21E-03	1.01E-06	2.95E-07	3.21E-03	1.01E-06	2.94E-07
888	490486.72, 3860835.12	3.22E-03	1.02E-06	2.96E-07	3.29E-03	1.04E-06	3.02E-07	3.28E-03	1.04E-06	3.01E-07
889	490536.72, 3860835.12	3.29E-03	1.04E-06	3.02E-07	3.35E-03	1.06E-06	3.08E-07	3.35E-03	1.06E-06	3.07E-07
890	490586.72, 3860835.12	3.34E-03	1.06E-06	3.07E-07	3.41E-03	1.08E-06	3.13E-07	3.41E-03	1.08E-06	3.13E-07
891	490636.72, 3860835.12	3.40E-03	1.07E-06	3.12E-07	3.47E-03	1.10E-06	3.19E-07	3.47E-03	1.09E-06	3.18E-07
892	490686.72, 3860835.12	3.48E-03	1.10E-06	3.20E-07	3.55E-03	1.12E-06	3.26E-07	3.55E-03	1.12E-06	3.26E-07
893	490736.72, 3860835.12	3.57E-03	1.13E-06	3.28E-07	3.65E-03	1.15E-06	3.35E-07	3.64E-03	1.15E-06	3.34E-07
894	490086.72, 3860885.12	2.61E-03	8.22E-07	2.39E-07	2.66E-03	8.39E-07	2.44E-07	2.66E-03	8.38E-07	2.44E-07
895	490136.72, 3860885.12	2.65E-03	8.38E-07	2.44E-07	2.71E-03	8.55E-07	2.49E-07	2.71E-03	8.54E-07	2.48E-07
896	490186.72, 3860885.12	2.70E-03	8.52E-07	2.48E-07	2.76E-03	8.70E-07	2.53E-07	2.75E-03	8.69E-07	2.53E-07
897	490236.72, 3860885.12	2.75E-03	8.68E-07	2.52E-07	2.81E-03	8.86E-07	2.58E-07	2.80E-03	8.85E-07	2.57E-07
898	490286.72, 3860885.12	2.80E-03	8.84E-07	2.57E-07	2.86E-03	9.02E-07	2.62E-07	2.85E-03	9.01E-07	2.62E-07
899	490336.72, 3860885.12	2.85E-03	8.99E-07	2.62E-07	2.91E-03	9.17E-07	2.67E-07	2.90E-03	9.16E-07	2.67E-07
900	490386.72, 3860885.12	2.91E-03	9.18E-07	2.67E-07	2.97E-03	9.37E-07	2.72E-07	2.96E-03	9.35E-07	2.72E-07
901	490436.72, 3860885.12	2.97E-03	9.38E-07	2.73E-07	3.03E-03	9.57E-07	2.78E-07	3.03E-03	9.56E-07	2.78E-07
902	490486.72, 3860885.12	3.03E-03	9.57E-07	2.78E-07	3.09E-03	9.77E-07	2.84E-07	3.09E-03	9.76E-07	2.84E-07
903	490536.72, 3860885.12	3.09E-03	9.75E-07	2.84E-07	3.15E-03	9.95E-07	2.90E-07	3.15E-03	9.94E-07	2.89E-07
904	490586.72, 3860885.12	3.14E-03	9.93E-07	2.89E-07	3.21E-03	1.01E-06	2.95E-07	3.21E-03	1.01E-06	2.94E-07
905	490636.72, 3860885.12	3.20E-03	1.01E-06	2.94E-07	3.26E-03	1.03E-06	3.00E-07	3.26E-03	1.03E-06	2.99E-07
906	490686.72, 3860885.12	3.26E-03	1.03E-06	2.99E-07	3.33E-03	1.05E-06	3.05E-07	3.32E-03	1.05E-06	3.05E-07
907	490736.72, 3860885.12	3.33E-03	1.05E-06	3.05E-07	3.39E-03	1.07E-06	3.12E-07	3.39E-03	1.07E-06	3.11E-07
908	490086.72, 3860935.12	2.48E-03	7.82E-07	2.28E-07	2.53E-03	7.98E-07	2.32E-07	2.53E-03	7.97E-07	2.32E-07
909	490136.72, 3860935.12	2.51E-03	7.94E-07	2.31E-07	2.57E-03	8.10E-07	2.36E-07	2.56E-03	8.09E-07	2.35E-07
910	490186.72, 3860935.12	2.56E-03	8.09E-07	2.35E-07	2.62E-03	8.25E-07	2.40E-07	2.61E-03	8.24E-07	2.40E-07
911	490236.72, 3860935.12	2.61E-03	8.24E-07	2.40E-07	2.66E-03	8.41E-07	2.45E-07	2.66E-03	8.40E-07	2.44E-07
912	490286.72, 3860935.12	2.66E-03	8.39E-07	2.44E-07	2.71E-03	8.57E-07	2.49E-07	2.71E-03	8.56E-07	2.49E-07
913	490336.72, 3860935.12	2.70E-03	8.53E-07	2.48E-07	2.76E-03	8.70E-07	2.53E-07	2.75E-03	8.69E-07	2.53E-07
914	490386.72, 3860935.12	2.76E-03	8.70E-07	2.53E-07	2.81E-03	8.88E-07	2.58E-07	2.81E-03	8.87E-07	2.58E-07
915	490436.72, 3860935.12	2.81E-03	8.88E-07	2.58E-07	2.87E-03	9.06E-07	2.63E-07	2.87E-03	9.05E-07	2.63E-07
916	490486.72, 3860935.12	2.86E-03	9.04E-07	2.63E-07	2.92E-03	9.22E-07	2.68E-07	2.92E-03	9.21E-07	2.68E-07
917	490536.72, 3860935.12	2.92E-03	9.20E-07	2.68E-07	2.98E-03	9.39E-07	2.73E-07	2.97E-03	9.38E-07	2.73E-07
918	490586.72, 3860935.12	2.96E-03	9.35E-07	2.72E-07	3.02E-03	9.54E-07	2.78E-07	3.02E-03	9.53E-07	2.77E-07
919	490636.72, 3860935.12	3.01E-03	9.50E-07	2.76E-07	3.07E-03	9.69E-07	2.82E-07	3.07E-03	9.68E-07	2.82E-07
920	490686.72, 3860935.12	3.06E-03	9.66E-07	2.81E-07	3.12E-03	9.86E-07	2.87E-07	3.12E-03	9.85E-07	2.86E-07
921	490736.72, 3860935.12	3.11E-03	9.83E-07	2.86E-07	3.18E-03	1.00E-06	2.92E-07	3.17E-03	1.00E-06	2.91E-07
922	490786.72, 3860935.12	3.17E-03	1.00E-06	2.91E-07	3.24E-03	1.02E-06	2.97E-07	3.23E-03	1.02E-06	2.97E-07
923	490836.72, 3860935.12	3.24E-03	1.02E-06	2.98E-07	3.31E-03	1.04E-06	3.04E-07	3.30E-03	1.04E-06	3.03E-07
924	490086.72, 3860985.12	2.37E-03	7.47E-07	2.17E-07	2.42E-03	7.63E-07	2.22E-07	2.41E-03	7.62E-07	2.22E-07
925	490136.72, 3860985.12	2.41E-03	7.59E-07	2.21E-07	2.45E-03	7.75E-07	2.25E-07	2.45E-03	7.74E-07	2.25E-07
926	490186.72, 3860985.12	2.45E-03	7.73E-07	2.25E-07	2.50E-03	7.89E-07	2.29E-07	2.50E-03	7.88E-07	2.29E-07

927	490236.72, 3860985.12	2.48E-03	7.84E-07	2.28E-07	2.53E-03	8.00E-07	2.33E-07	2.53E-03	7.99E-07	2.32E-07
928	490286.72, 3860985.12	2.52E-03	7.96E-07	2.32E-07	2.57E-03	8.13E-07	2.36E-07	2.57E-03	8.12E-07	2.36E-07
929	490336.72, 3860985.12	2.57E-03	8.10E-07	2.36E-07	2.62E-03	8.26E-07	2.40E-07	2.61E-03	8.25E-07	2.40E-07
930	490386.72, 3860985.12	2.61E-03	8.24E-07	2.40E-07	2.66E-03	8.41E-07	2.45E-07	2.66E-03	8.40E-07	2.44E-07
931	490436.72, 3860985.12	2.67E-03	8.41E-07	2.45E-07	2.72E-03	8.59E-07	2.50E-07	2.72E-03	8.58E-07	2.49E-07
932	490486.72, 3860985.12	2.71E-03	8.55E-07	2.49E-07	2.76E-03	8.73E-07	2.54E-07	2.76E-03	8.71E-07	2.53E-07
933	490536.72, 3860985.12	2.75E-03	8.68E-07	2.52E-07	2.81E-03	8.86E-07	2.58E-07	2.80E-03	8.84E-07	2.57E-07
934	490586.72, 3860985.12	2.79E-03	8.81E-07	2.56E-07	2.85E-03	8.99E-07	2.61E-07	2.84E-03	8.98E-07	2.61E-07
935	490636.72, 3860985.12	2.84E-03	8.96E-07	2.61E-07	2.90E-03	9.14E-07	2.66E-07	2.89E-03	9.13E-07	2.66E-07
936	490686.72, 3860985.12	2.88E-03	9.08E-07	2.64E-07	2.94E-03	9.27E-07	2.70E-07	2.93E-03	9.26E-07	2.69E-07
937	490736.72, 3860985.12	2.92E-03	9.21E-07	2.68E-07	2.98E-03	9.40E-07	2.73E-07	2.97E-03	9.39E-07	2.73E-07
938	490786.72, 3860985.12	2.97E-03	9.36E-07	2.72E-07	3.03E-03	9.55E-07	2.78E-07	3.02E-03	9.54E-07	2.78E-07
939	490836.72, 3860985.12	3.02E-03	9.53E-07	2.77E-07	3.08E-03	9.73E-07	2.83E-07	3.08E-03	9.72E-07	2.83E-07
940	490086.72, 3861035.12	2.26E-03	7.14E-07	2.08E-07	2.31E-03	7.29E-07	2.12E-07	2.31E-03	7.28E-07	2.12E-07
941	490136.72, 3861035.12	2.30E-03	7.25E-07	2.11E-07	2.34E-03	7.40E-07	2.15E-07	2.34E-03	7.39E-07	2.15E-07
942	490186.72, 3861035.12	2.33E-03	7.36E-07	2.14E-07	2.38E-03	7.51E-07	2.18E-07	2.38E-03	7.50E-07	2.18E-07
943	490236.72, 3861035.12	2.37E-03	7.48E-07	2.17E-07	2.42E-03	7.63E-07	2.22E-07	2.41E-03	7.62E-07	2.22E-07
944	490286.72, 3861035.12	2.40E-03	7.58E-07	2.20E-07	2.45E-03	7.73E-07	2.25E-07	2.45E-03	7.72E-07	2.25E-07
945	490336.72, 3861035.12	2.43E-03	7.68E-07	2.24E-07	2.48E-03	7.84E-07	2.28E-07	2.48E-03	7.83E-07	2.28E-07
946	490386.72, 3861035.12	2.48E-03	7.83E-07	2.28E-07	2.53E-03	7.99E-07	2.32E-07	2.53E-03	7.98E-07	2.32E-07
947	490436.72, 3861035.12	2.53E-03	7.98E-07	2.32E-07	2.58E-03	8.14E-07	2.37E-07	2.58E-03	8.13E-07	2.37E-07
948	490486.72, 3861035.12	2.57E-03	8.10E-07	2.36E-07	2.62E-03	8.27E-07	2.41E-07	2.62E-03	8.26E-07	2.40E-07
949	490536.72, 3861035.12	2.60E-03	8.22E-07	2.39E-07	2.66E-03	8.38E-07	2.44E-07	2.65E-03	8.37E-07	2.44E-07
950	490586.72, 3861035.12	2.64E-03	8.32E-07	2.42E-07	2.69E-03	8.49E-07	2.47E-07	2.69E-03	8.48E-07	2.47E-07
951	490636.72, 3861035.12	2.67E-03	8.43E-07	2.45E-07	2.73E-03	8.60E-07	2.50E-07	2.72E-03	8.59E-07	2.50E-07
952	490686.72, 3861035.12	2.71E-03	8.54E-07	2.48E-07	2.76E-03	8.71E-07	2.53E-07	2.76E-03	8.70E-07	2.53E-07
953	490736.72, 3861035.12	2.74E-03	8.65E-07	2.52E-07	2.80E-03	8.82E-07	2.57E-07	2.79E-03	8.81E-07	2.56E-07
954	490786.72, 3861035.12	2.78E-03	8.77E-07	2.55E-07	2.84E-03	8.95E-07	2.60E-07	2.83E-03	8.94E-07	2.60E-07
955	490836.72, 3861035.12	2.82E-03	8.91E-07	2.59E-07	2.88E-03	9.09E-07	2.64E-07	2.88E-03	9.08E-07	2.64E-07
956	490086.72, 3861085.12	2.16E-03	6.83E-07	1.99E-07	2.21E-03	6.97E-07	2.03E-07	2.20E-03	6.96E-07	2.02E-07
957	490136.72, 3861085.12	2.20E-03	6.94E-07	2.02E-07	2.24E-03	7.09E-07	2.06E-07	2.24E-03	7.08E-07	2.06E-07
958	490186.72, 3861085.12	2.24E-03	7.06E-07	2.05E-07	2.28E-03	7.21E-07	2.10E-07	2.28E-03	7.20E-07	2.09E-07
959	490236.72, 3861085.12	2.26E-03	7.15E-07	2.08E-07	2.31E-03	7.29E-07	2.12E-07	2.31E-03	7.28E-07	2.12E-07
960	490286.72, 3861085.12	2.29E-03	7.23E-07	2.10E-07	2.34E-03	7.38E-07	2.15E-07	2.34E-03	7.37E-07	2.14E-07
961	490336.72, 3861085.12	2.32E-03	7.32E-07	2.13E-07	2.37E-03	7.47E-07	2.17E-07	2.37E-03	7.47E-07	2.17E-07
962	490386.72, 3861085.12	2.36E-03	7.45E-07	2.17E-07	2.41E-03	7.60E-07	2.21E-07	2.41E-03	7.59E-07	2.21E-07
963	490436.72, 3861085.12	2.39E-03	7.56E-07	2.20E-07	2.44E-03	7.71E-07	2.24E-07	2.44E-03	7.70E-07	2.24E-07
964	490486.72, 3861085.12	2.43E-03	7.67E-07	2.23E-07	2.48E-03	7.82E-07	2.28E-07	2.48E-03	7.81E-07	2.27E-07
965	490536.72, 3861085.12	2.47E-03	7.79E-07	2.27E-07	2.52E-03	7.95E-07	2.31E-07	2.51E-03	7.94E-07	2.31E-07
966	490586.72, 3861085.12	2.50E-03	7.88E-07	2.29E-07	2.55E-03	8.04E-07	2.34E-07	2.54E-03	8.03E-07	2.33E-07
967	490636.72, 3861085.12	2.52E-03	7.95E-07	2.31E-07	2.57E-03	8.11E-07	2.36E-07	2.57E-03	8.10E-07	2.36E-07
968	490686.72, 3861085.12	2.55E-03	8.03E-07	2.34E-07	2.60E-03	8.20E-07	2.38E-07	2.59E-03	8.19E-07	2.38E-07
969	490736.72, 3861085.12	2.58E-03	8.13E-07	2.37E-07	2.63E-03	8.30E-07	2.41E-07	2.63E-03	8.29E-07	2.41E-07
970	490786.72, 3861085.12	2.61E-03	8.24E-07	2.40E-07	2.66E-03	8.40E-07	2.44E-07	2.66E-03	8.39E-07	2.44E-07
971	490836.72, 3861085.12	2.64E-03	8.34E-07	2.43E-07	2.70E-03	8.51E-07	2.48E-07	2.69E-03	8.50E-07	2.47E-07
972	490086.72, 3861135.12	2.07E-03	6.53E-07	1.90E-07	2.11E-03	6.67E-07	1.94E-07	2.11E-03	6.66E-07	1.94E-07
973	490136.72, 3861135.12	2.10E-03	6.63E-07	1.93E-07	2.14E-03	6.76E-07	1.97E-07	2.14E-03	6.76E-07	1.97E-07
974	490186.72, 3861135.12	2.13E-03	6.73E-07	1.96E-07	2.18E-03	6.87E-07	2.00E-07	2.17E-03	6.86E-07	2.00E-07
975	490236.72, 3861135.12	2.16E-03	6.83E-07	1.99E-07	2.21E-03	6.97E-07	2.03E-07	2.20E-03	6.96E-07	2.02E-07
976	490286.72, 3861135.12	2.19E-03	6.91E-07	2.01E-07	2.24E-03	7.06E-07	2.05E-07	2.23E-03	7.05E-07	2.05E-07
977	490336.72, 3861135.12	2.22E-03	6.99E-07	2.03E-07	2.26E-03	7.14E-07	2.08E-07	2.26E-03	7.13E-07	2.07E-07
978	490386.72, 3861135.12	2.25E-03	7.09E-07	2.06E-07	2.29E-03	7.23E-07	2.10E-07	2.29E-03	7.22E-07	2.10E-07
979	490436.72, 3861135.12	2.27E-03	7.18E-07	2.09E-07	2.32E-03	7.32E-07	2.13E-07	2.32E-03	7.31E-07	2.13E-07
980	490486.72, 3861135.12	2.30E-03	7.27E-07	2.12E-07	2.35E-03	7.42E-07	2.16E-07	2.35E-03	7.41E-07	2.16E-07
981	490536.72, 3861135.12	2.33E-03	7.36E-07	2.14E-07	2.38E-03	7.52E-07	2.19E-07	2.38E-03	7.51E-07	2.18E-07
982	490586.72, 3861135.12	2.36E-03	7.45E-07	2.17E-07	2.41E-03	7.60E-07	2.21E-07	2.40E-03	7.59E-07	2.21E-07
983	490636.72, 3861135.12	2.38E-03	7.51E-07	2.18E-07	2.43E-03	7.66E-07	2.23E-07	2.42E-03	7.65E-07	2.23E-07
984	490686.72, 3861135.12	2.40E-03	7.59E-07	2.21E-07	2.45E-03	7.74E-07	2.25E-07	2.45E-03	7.73E-07	2.25E-07
985	490736.72, 3861135.12	2.43E-03	7.68E-07	2.23E-07	2.48E-03	7.83E-07	2.28E-07	2.48E-03	7.82E-07	2.28E-07
986	490786.72, 3861135.12	2.46E-03	7.76E-07	2.26E-07	2.51E-03	7.92E-07	2.30E-07	2.51E-03	7.91E-07	2.30E-07
987	490836.72, 3861135.12	2.49E-03	7.85E-07	2.28E-07	2.54E-03	8.01E-07	2.33E-07	2.53E-03	8.00E-07	2.33E-07
988	490086.72, 3861185.12	1.98E-03	6.25E-07	1.82E-07	2.02E-03	6.38E-07	1.86E-07	2.02E-03	6.37E-07	1.85E-07

989	490136.72, 3861185.12	2.00E-03	6.32E-07	1.84E-07	2.04E-03	6.45E-07	1.88E-07	2.04E-03	6.44E-07	1.87E-07
990	490186.72, 3861185.12	2.03E-03	6.40E-07	1.86E-07	2.07E-03	6.53E-07	1.90E-07	2.07E-03	6.53E-07	1.90E-07
991	490236.72, 3861185.12	2.06E-03	6.49E-07	1.89E-07	2.10E-03	6.62E-07	1.93E-07	2.10E-03	6.62E-07	1.92E-07
992	490286.72, 3861185.12	2.09E-03	6.59E-07	1.92E-07	2.13E-03	6.73E-07	1.96E-07	2.13E-03	6.72E-07	1.95E-07
993	490336.72, 3861185.12	2.10E-03	6.64E-07	1.93E-07	2.15E-03	6.77E-07	1.97E-07	2.14E-03	6.77E-07	1.97E-07
994	490386.72, 3861185.12	2.13E-03	6.72E-07	1.96E-07	2.17E-03	6.86E-07	2.00E-07	2.17E-03	6.85E-07	1.99E-07
995	490436.72, 3861185.12	2.16E-03	6.82E-07	1.98E-07	2.20E-03	6.96E-07	2.02E-07	2.20E-03	6.95E-07	2.02E-07
996	490486.72, 3861185.12	2.18E-03	6.90E-07	2.01E-07	2.23E-03	7.04E-07	2.05E-07	2.23E-03	7.03E-07	2.04E-07
997	490536.72, 3861185.12	2.22E-03	7.00E-07	2.04E-07	2.26E-03	7.15E-07	2.08E-07	2.26E-03	7.14E-07	2.08E-07
998	490586.72, 3861185.12	2.24E-03	7.07E-07	2.06E-07	2.28E-03	7.21E-07	2.10E-07	2.28E-03	7.20E-07	2.09E-07
999	490636.72, 3861185.12	2.25E-03	7.10E-07	2.07E-07	2.30E-03	7.25E-07	2.11E-07	2.29E-03	7.24E-07	2.11E-07
1000	490686.72, 3861185.12	2.27E-03	7.17E-07	2.09E-07	2.32E-03	7.32E-07	2.13E-07	2.32E-03	7.31E-07	2.13E-07
1001	490736.72, 3861185.12	2.30E-03	7.26E-07	2.11E-07	2.35E-03	7.41E-07	2.16E-07	2.35E-03	7.40E-07	2.15E-07
1002	490786.72, 3861185.12	2.33E-03	7.35E-07	2.14E-07	2.38E-03	7.50E-07	2.18E-07	2.37E-03	7.49E-07	2.18E-07
1003	490836.72, 3861185.12	2.35E-03	7.43E-07	2.16E-07	2.40E-03	7.58E-07	2.20E-07	2.40E-03	7.57E-07	2.20E-07
1004	490086.72, 3861235.12	1.90E-03	5.99E-07	1.74E-07	1.94E-03	6.11E-07	1.78E-07	1.93E-03	6.10E-07	1.77E-07
1005	490136.72, 3861235.12	1.92E-03	6.05E-07	1.76E-07	1.96E-03	6.17E-07	1.79E-07	1.95E-03	6.16E-07	1.79E-07
1006	490186.72, 3861235.12	1.94E-03	6.12E-07	1.78E-07	1.98E-03	6.25E-07	1.82E-07	1.98E-03	6.24E-07	1.82E-07
1007	490236.72, 3861235.12	1.96E-03	6.18E-07	1.80E-07	2.00E-03	6.31E-07	1.83E-07	2.00E-03	6.30E-07	1.83E-07
1008	490386.72, 3861235.12	2.02E-03	6.38E-07	1.86E-07	2.06E-03	6.51E-07	1.89E-07	2.06E-03	6.50E-07	1.89E-07
1009	490436.72, 3861235.12	2.04E-03	6.44E-07	1.87E-07	2.08E-03	6.58E-07	1.91E-07	2.08E-03	6.57E-07	1.91E-07
1010	490486.72, 3861235.12	2.06E-03	6.51E-07	1.89E-07	2.11E-03	6.65E-07	1.93E-07	2.10E-03	6.64E-07	1.93E-07
1011	490536.72, 3861235.12	2.10E-03	6.63E-07	1.93E-07	2.14E-03	6.77E-07	1.97E-07	2.14E-03	6.76E-07	1.97E-07
1012	490586.72, 3861235.12	2.13E-03	6.73E-07	1.96E-07	2.18E-03	6.87E-07	2.00E-07	2.17E-03	6.86E-07	1.99E-07
1013	490636.72, 3861235.12	2.13E-03	6.73E-07	1.96E-07	2.18E-03	6.87E-07	2.00E-07	2.17E-03	6.86E-07	2.00E-07
1014	490686.72, 3861235.12	2.15E-03	6.80E-07	1.98E-07	2.20E-03	6.94E-07	2.02E-07	2.20E-03	6.93E-07	2.02E-07
1015	490736.72, 3861235.12	2.18E-03	6.89E-07	2.00E-07	2.23E-03	7.03E-07	2.04E-07	2.22E-03	7.02E-07	2.04E-07
1016	490786.72, 3861235.12	2.21E-03	6.98E-07	2.03E-07	2.26E-03	7.12E-07	2.07E-07	2.25E-03	7.11E-07	2.07E-07
1017	490836.72, 3861235.12	2.23E-03	7.05E-07	2.05E-07	2.28E-03	7.19E-07	2.09E-07	2.28E-03	7.18E-07	2.09E-07
1018	490086.72, 3861285.12	1.82E-03	5.75E-07	1.67E-07	1.86E-03	5.87E-07	1.71E-07	1.86E-03	5.86E-07	1.71E-07
1019	490136.72, 3861285.12	1.85E-03	5.83E-07	1.69E-07	1.88E-03	5.95E-07	1.73E-07	1.88E-03	5.94E-07	1.73E-07
1020	490186.72, 3861285.12	1.86E-03	5.87E-07	1.71E-07	1.90E-03	5.99E-07	1.74E-07	1.89E-03	5.98E-07	1.74E-07
1021	490236.72, 3861285.12	1.87E-03	5.92E-07	1.72E-07	1.91E-03	6.04E-07	1.76E-07	1.91E-03	6.03E-07	1.75E-07
1022	490386.72, 3861285.12	1.93E-03	6.09E-07	1.77E-07	1.97E-03	6.21E-07	1.81E-07	1.97E-03	6.20E-07	1.80E-07
1023	490436.72, 3861285.12	1.95E-03	6.15E-07	1.79E-07	1.99E-03	6.28E-07	1.83E-07	1.99E-03	6.27E-07	1.82E-07
1024	490486.72, 3861285.12	1.97E-03	6.21E-07	1.81E-07	2.01E-03	6.33E-07	1.84E-07	2.00E-03	6.33E-07	1.84E-07
1025	490536.72, 3861285.12	1.99E-03	6.27E-07	1.82E-07	2.03E-03	6.40E-07	1.86E-07	2.03E-03	6.39E-07	1.86E-07
1026	490586.72, 3861285.12	2.01E-03	6.35E-07	1.85E-07	2.05E-03	6.48E-07	1.89E-07	2.05E-03	6.47E-07	1.88E-07
1027	490636.72, 3861285.12	2.02E-03	6.39E-07	1.86E-07	2.06E-03	6.52E-07	1.90E-07	2.06E-03	6.51E-07	1.89E-07
1028	490686.72, 3861285.12	2.04E-03	6.45E-07	1.88E-07	2.09E-03	6.59E-07	1.92E-07	2.08E-03	6.58E-07	1.91E-07
1029	490736.72, 3861285.12	2.08E-03	6.56E-07	1.91E-07	2.12E-03	6.69E-07	1.95E-07	2.12E-03	6.68E-07	1.94E-07
1030	490786.72, 3861285.12	2.10E-03	6.62E-07	1.93E-07	2.14E-03	6.76E-07	1.97E-07	2.14E-03	6.75E-07	1.96E-07
1031	490836.72, 3861285.12	2.11E-03	6.67E-07	1.94E-07	2.16E-03	6.81E-07	1.98E-07	2.16E-03	6.80E-07	1.98E-07
1032	490061.24, 3859716.13	2.21E-02	6.98E-06	2.03E-06	2.26E-02	7.13E-06	2.07E-06	2.26E-02	7.12E-06	2.07E-06
1033	490111.24, 3859716.13	2.53E-02	7.98E-06	2.32E-06	2.58E-02	8.15E-06	2.37E-06	2.58E-02	8.14E-06	2.37E-06
1034	490161.24, 3859716.13	2.93E-02	9.24E-06	2.69E-06	2.99E-02	9.43E-06	2.74E-06	2.98E-02	9.42E-06	2.74E-06
1035	490211.24, 3859716.13	3.44E-02	1.09E-05	3.16E-06	3.51E-02	1.11E-05	3.23E-06	3.51E-02	1.11E-05	3.22E-06
1036	490061.24, 3859766.13	1.74E-02	5.50E-06	1.60E-06	1.78E-02	5.62E-06	1.63E-06	1.78E-02	5.61E-06	1.63E-06
1037	490111.24, 3859766.13	1.92E-02	6.07E-06	1.76E-06	1.96E-02	6.19E-06	1.80E-06	1.96E-02	6.18E-06	1.80E-06
1038	490161.24, 3859766.13	2.13E-02	6.72E-06	1.95E-06	2.17E-02	6.85E-06	1.99E-06	2.17E-02	6.85E-06	1.99E-06
1039	490211.24, 3859766.13	2.39E-02	7.53E-06	2.19E-06	2.43E-02	7.68E-06	2.24E-06	2.43E-02	7.68E-06	2.23E-06
1040	490061.24, 3859816.13	1.44E-02	4.53E-06	1.32E-06	1.47E-02	4.63E-06	1.35E-06	1.46E-02	4.62E-06	1.34E-06
1041	490111.24, 3859816.13	1.55E-02	4.89E-06	1.42E-06	1.58E-02	4.99E-06	1.45E-06	1.58E-02	4.99E-06	1.45E-06
1042	490161.24, 3859816.13	1.68E-02	5.31E-06	1.54E-06	1.72E-02	5.42E-06	1.58E-06	1.71E-02	5.41E-06	1.57E-06
1043	490211.24, 3859816.13	1.83E-02	5.79E-06	1.68E-06	1.87E-02	5.90E-06	1.72E-06	1.87E-02	5.90E-06	1.72E-06
1044	490061.24, 3859866.13	1.22E-02	3.85E-06	1.12E-06	1.24E-02	3.93E-06	1.14E-06	1.24E-02	3.92E-06	1.14E-06
1045	490111.24, 3859866.13	1.30E-02	4.11E-06	1.20E-06	1.33E-02	4.19E-06	1.22E-06	1.33E-02	4.19E-06	1.22E-06
1046	490161.24, 3859866.13	1.40E-02	4.41E-06	1.28E-06	1.42E-02	4.50E-06	1.31E-06	1.42E-02	4.49E-06	1.31E-06
1047	490211.24, 3859866.13	1.50E-02	4.74E-06	1.38E-06	1.53E-02	4.83E-06	1.41E-06	1.53E-02	4.83E-06	1.40E-06
1048	490061.24, 3859916.13	1.06E-02	3.33E-06	9.70E-07	1.08E-02	3.40E-06	9.90E-07	1.08E-02	3.40E-06	9.88E-07
1049	490111.24, 3859916.13	1.12E-02	3.54E-06	1.03E-06	1.14E-02	3.61E-06	1.05E-06	1.14E-02	3.61E-06	1.05E-06
1050	490161.24, 3859916.13	1.19E-02	3.76E-06	1.09E-06	1.21E-02	3.83E-06	1.12E-06	1.21E-02	3.83E-06	1.11E-06

1051	490211.24, 3859916.13	1.26E-02	3.99E-06	1.16E-06	1.29E-02	4.07E-06	1.18E-06	1.29E-02	4.07E-06	1.18E-06
1052	490229.25, 3859815.26	1.91E-02	6.03E-06	1.75E-06	1.95E-02	6.15E-06	1.79E-06	1.95E-02	6.14E-06	1.79E-06
1053	490279.25, 3859815.26	2.10E-02	6.61E-06	1.92E-06	2.14E-02	6.75E-06	1.96E-06	2.14E-02	6.74E-06	1.96E-06
1054	490329.25, 3859815.26	2.32E-02	7.32E-06	2.13E-06	2.37E-02	7.47E-06	2.17E-06	2.36E-02	7.46E-06	2.17E-06
1055	490379.25, 3859815.26	2.64E-02	8.32E-06	2.42E-06	2.69E-02	8.49E-06	2.47E-06	2.69E-02	8.48E-06	2.47E-06
1056	490429.25, 3859815.26	3.10E-02	9.77E-06	2.84E-06	3.16E-02	9.97E-06	2.90E-06	3.15E-02	9.96E-06	2.90E-06
1057	490229.25, 3859865.26	1.55E-02	4.88E-06	1.42E-06	1.58E-02	4.98E-06	1.45E-06	1.58E-02	4.98E-06	1.45E-06
1058	490279.25, 3859865.26	1.67E-02	5.26E-06	1.53E-06	1.70E-02	5.37E-06	1.56E-06	1.70E-02	5.36E-06	1.56E-06
1059	490329.25, 3859865.26	1.80E-02	5.69E-06	1.65E-06	1.84E-02	5.80E-06	1.69E-06	1.84E-02	5.79E-06	1.69E-06
1060	490379.25, 3859865.26	1.97E-02	6.22E-06	1.81E-06	2.01E-02	6.35E-06	1.85E-06	2.01E-02	6.34E-06	1.85E-06
1061	490429.25, 3859865.26	2.19E-02	6.91E-06	2.01E-06	2.23E-02	7.05E-06	2.05E-06	2.23E-02	7.04E-06	2.05E-06
1062	490229.25, 3859915.26	1.30E-02	4.10E-06	1.19E-06	1.32E-02	4.18E-06	1.22E-06	1.32E-02	4.18E-06	1.21E-06
1063	490279.25, 3859915.26	1.38E-02	4.35E-06	1.27E-06	1.41E-02	4.44E-06	1.29E-06	1.40E-02	4.43E-06	1.29E-06
1064	490329.25, 3859915.26	1.47E-02	4.65E-06	1.35E-06	1.50E-02	4.74E-06	1.38E-06	1.50E-02	4.74E-06	1.38E-06
1065	490379.25, 3859915.26	1.58E-02	5.00E-06	1.45E-06	1.62E-02	5.10E-06	1.48E-06	1.61E-02	5.09E-06	1.48E-06
1066	490429.25, 3859915.26	1.71E-02	5.39E-06	1.57E-06	1.74E-02	5.50E-06	1.60E-06	1.74E-02	5.49E-06	1.60E-06
1067	490451.43, 3859872.59	2.20E-02	6.94E-06	2.02E-06	2.24E-02	7.08E-06	2.06E-06	2.24E-02	7.07E-06	2.06E-06
1068	490501.43, 3859872.59	2.50E-02	7.88E-06	2.29E-06	2.55E-02	8.04E-06	2.34E-06	2.54E-02	8.03E-06	2.34E-06
1069	490551.43, 3859872.59	2.93E-02	9.26E-06	2.69E-06	2.99E-02	9.45E-06	2.75E-06	2.99E-02	9.43E-06	2.74E-06
1070	490601.43, 3859872.59	3.53E-02	1.11E-05	3.24E-06	3.60E-02	1.14E-05	3.31E-06	3.60E-02	1.14E-05	3.30E-06
1071	490451.43, 3859922.59	1.72E-02	5.42E-06	1.58E-06	1.75E-02	5.53E-06	1.61E-06	1.75E-02	5.52E-06	1.61E-06
1072	490501.43, 3859922.59	1.88E-02	5.93E-06	1.73E-06	1.92E-02	6.05E-06	1.76E-06	1.92E-02	6.05E-06	1.76E-06
1073	490551.43, 3859922.59	2.11E-02	6.65E-06	1.93E-06	2.15E-02	6.78E-06	1.97E-06	2.15E-02	6.78E-06	1.97E-06
1074	490601.43, 3859922.59	2.41E-02	7.59E-06	2.21E-06	2.46E-02	7.75E-06	2.25E-06	2.45E-02	7.74E-06	2.25E-06
1075	482129.67, 3852241.07	3.62E-02	1.14E-05	3.32E-06	3.69E-02	1.17E-05	3.39E-06	3.69E-02	1.16E-05	3.39E-06
1076	482029.67, 3852291.07	5.89E-02	1.86E-05	5.40E-06	6.01E-02	1.90E-05	5.52E-06	6.00E-02	1.89E-05	5.51E-06
1077	482079.67, 3852291.07	4.84E-02	1.53E-05	4.44E-06	4.94E-02	1.56E-05	4.53E-06	4.93E-02	1.56E-05	4.53E-06
1078	482129.67, 3852291.07	4.11E-02	1.30E-05	3.77E-06	4.19E-02	1.32E-05	3.85E-06	4.19E-02	1.32E-05	3.85E-06
1079	482179.67, 3852291.07	3.54E-02	1.12E-05	3.25E-06	3.61E-02	1.14E-05	3.32E-06	3.61E-02	1.14E-05	3.31E-06
1080	482229.67, 3852291.07	3.05E-02	9.61E-06	2.80E-06	3.11E-02	9.81E-06	2.85E-06	3.10E-02	9.80E-06	2.85E-06
1081	482029.67, 3852341.07	7.40E-02	2.34E-05	6.80E-06	7.55E-02	2.38E-05	6.94E-06	7.55E-02	2.38E-05	6.93E-06
1082	482079.67, 3852341.07	5.83E-02	1.84E-05	5.35E-06	5.95E-02	1.88E-05	5.46E-06	5.94E-02	1.88E-05	5.46E-06
1083	482129.67, 3852341.07	4.80E-02	1.51E-05	4.40E-06	4.90E-02	1.54E-05	4.49E-06	4.89E-02	1.54E-05	4.49E-06
1084	482179.67, 3852341.07	4.06E-02	1.28E-05	3.73E-06	4.15E-02	1.31E-05	3.81E-06	4.14E-02	1.31E-05	3.80E-06
1085	482259.06, 3852400.14	3.85E-02	1.21E-05	3.53E-06	3.93E-02	1.24E-05	3.60E-06	3.92E-02	1.24E-05	3.60E-06
1086	482309.06, 3852400.14	3.29E-02	1.04E-05	3.02E-06	3.36E-02	1.06E-05	3.08E-06	3.35E-02	1.06E-05	3.08E-06
1087	482209.06, 3852450.14	5.20E-02	1.64E-05	4.78E-06	5.31E-02	1.68E-05	4.87E-06	5.30E-02	1.67E-05	4.87E-06
1088	482259.06, 3852450.14	4.42E-02	1.39E-05	4.05E-06	4.51E-02	1.42E-05	4.14E-06	4.50E-02	1.42E-05	4.13E-06
1089	482309.06, 3852450.14	3.79E-02	1.19E-05	3.48E-06	3.86E-02	1.22E-05	3.55E-06	3.86E-02	1.22E-05	3.54E-06
1090	482209.06, 3852500.14	6.30E-02	1.99E-05	5.78E-06	6.43E-02	2.03E-05	5.90E-06	6.42E-02	2.03E-05	5.89E-06
1091	482259.06, 3852500.14	5.21E-02	1.65E-05	4.79E-06	5.32E-02	1.68E-05	4.88E-06	5.31E-02	1.68E-05	4.88E-06
1092	482309.06, 3852500.14	4.37E-02	1.38E-05	4.01E-06	4.46E-02	1.41E-05	4.09E-06	4.45E-02	1.41E-05	4.09E-06
1093	482283.91, 3852513.62	4.99E-02	1.58E-05	4.58E-06	5.10E-02	1.61E-05	4.68E-06	5.09E-02	1.61E-05	4.67E-06
1094	482333.91, 3852513.62	4.21E-02	1.33E-05	3.86E-06	4.30E-02	1.36E-05	3.94E-06	4.29E-02	1.35E-05	3.94E-06
1095	482283.91, 3852563.62	5.98E-02	1.89E-05	5.49E-06	6.10E-02	1.93E-05	5.60E-06	6.09E-02	1.92E-05	5.59E-06
1096	482333.91, 3852563.62	4.95E-02	1.56E-05	4.54E-06	5.05E-02	1.59E-05	4.64E-06	5.04E-02	1.59E-05	4.63E-06
1097	482383.91, 3852563.62	4.19E-02	1.32E-05	3.85E-06	4.28E-02	1.35E-05	3.93E-06	4.27E-02	1.35E-05	3.92E-06
1098	482283.91, 3852613.62	7.70E-02	2.43E-05	7.07E-06	7.85E-02	2.48E-05	7.21E-06	7.84E-02	2.48E-05	7.20E-06
1099	482333.91, 3852613.62	5.97E-02	1.88E-05	5.48E-06	6.09E-02	1.92E-05	5.59E-06	6.08E-02	1.92E-05	5.58E-06
1100	482383.91, 3852613.62	4.89E-02	1.54E-05	4.49E-06	4.99E-02	1.58E-05	4.58E-06	4.99E-02	1.57E-05	4.58E-06
1101	482602.38, 3852600.87	2.54E-02	8.03E-06	2.34E-06	2.60E-02	8.20E-06	2.38E-06	2.59E-02	8.19E-06	2.38E-06
1102	482652.38, 3852600.87	2.32E-02	7.32E-06	2.13E-06	2.37E-02	7.47E-06	2.17E-06	2.36E-02	7.46E-06	2.17E-06
1103	482702.38, 3852600.87	2.04E-02	6.45E-06	1.88E-06	2.09E-02	6.58E-06	1.91E-06	2.08E-02	6.57E-06	1.91E-06
1104	482552.38, 3852650.87	3.28E-02	1.03E-05	3.01E-06	3.35E-02	1.06E-05	3.07E-06	3.34E-02	1.05E-05	3.07E-06
1105	482602.38, 3852650.87	2.84E-02	8.96E-06	2.61E-06	2.90E-02	9.15E-06	2.66E-06	2.89E-02	9.14E-06	2.66E-06
1106	482652.38, 3852650.87	2.57E-02	8.11E-06	2.36E-06	2.62E-02	8.28E-06	2.41E-06	2.62E-02	8.27E-06	2.40E-06
1107	482702.38, 3852650.87	2.35E-02	7.41E-06	2.16E-06	2.40E-02	7.56E-06	2.20E-06	2.39E-02	7.55E-06	2.20E-06
1108	482552.38, 3852700.87	3.71E-02	1.17E-05	3.41E-06	3.79E-02	1.20E-05	3.48E-06	3.78E-02	1.19E-05	3.47E-06
1109	482602.38, 3852700.87	3.27E-02	1.03E-05	3.01E-06	3.34E-02	1.05E-05	3.07E-06	3.34E-02	1.05E-05	3.06E-06
1110	482652.38, 3852700.87	2.96E-02	9.35E-06	2.72E-06	3.02E-02	9.54E-06	2.78E-06	3.02E-02	9.53E-06	2.77E-06
1111	482702.38, 3852700.87	2.66E-02	8.41E-06	2.45E-06	2.72E-02	8.58E-06	2.50E-06	2.72E-02	8.57E-06	2.49E-06
1112	482452.38, 3852750.87	6.41E-02	2.02E-05	5.89E-06	6.54E-02	2.07E-05	6.01E-06	6.54E-02	2.06E-05	6.00E-06

1113	482521.29, 3852749.74	4.77E-02	1.50E-05	4.38E-06	4.86E-02	1.54E-05	4.47E-06	4.86E-02	1.53E-05	4.46E-06
1114	482571.29, 3852749.74	4.04E-02	1.27E-05	3.71E-06	4.12E-02	1.30E-05	3.78E-06	4.12E-02	1.30E-05	3.78E-06
1115	482521.29, 3852799.74	5.77E-02	1.82E-05	5.30E-06	5.89E-02	1.86E-05	5.40E-06	5.88E-02	1.86E-05	5.40E-06
1116	482571.29, 3852799.74	4.73E-02	1.49E-05	4.34E-06	4.83E-02	1.52E-05	4.43E-06	4.82E-02	1.52E-05	4.42E-06
1117	482621.29, 3852799.74	4.01E-02	1.27E-05	3.68E-06	4.09E-02	1.29E-05	3.76E-06	4.09E-02	1.29E-05	3.75E-06
1118	482571.29, 3852849.74	5.70E-02	1.80E-05	5.23E-06	5.81E-02	1.83E-05	5.34E-06	5.80E-02	1.83E-05	5.33E-06
1119	482621.29, 3852849.74	4.67E-02	1.47E-05	4.29E-06	4.77E-02	1.50E-05	4.38E-06	4.76E-02	1.50E-05	4.37E-06
1120	482577.42, 3852901.55	7.00E-02	2.21E-05	6.43E-06	7.15E-02	2.26E-05	6.56E-06	7.14E-02	2.25E-05	6.55E-06
1121	482627.42, 3852901.55	5.51E-02	1.74E-05	5.05E-06	5.62E-02	1.77E-05	5.16E-06	5.61E-02	1.77E-05	5.15E-06
1122	482629.96, 3852955.85	6.83E-02	2.15E-05	6.27E-06	6.96E-02	2.20E-05	6.39E-06	6.96E-02	2.20E-05	6.39E-06
1123	482679.96, 3852955.85	5.32E-02	1.68E-05	4.89E-06	5.43E-02	1.71E-05	4.99E-06	5.43E-02	1.71E-05	4.98E-06
1124	482781.63, 3853034.48	4.31E-02	1.36E-05	3.96E-06	4.40E-02	1.39E-05	4.04E-06	4.40E-02	1.39E-05	4.03E-06
1125	482831.63, 3853034.48	3.60E-02	1.14E-05	3.31E-06	3.67E-02	1.16E-05	3.37E-06	3.67E-02	1.16E-05	3.37E-06
1126	482881.63, 3853034.48	3.07E-02	9.68E-06	2.82E-06	3.13E-02	9.88E-06	2.87E-06	3.13E-02	9.87E-06	2.87E-06
1127	482781.63, 3853084.48	4.75E-02	1.50E-05	4.36E-06	4.85E-02	1.53E-05	4.45E-06	4.84E-02	1.53E-05	4.44E-06
1128	482831.63, 3853084.48	3.90E-02	1.23E-05	3.58E-06	3.98E-02	1.26E-05	3.65E-06	3.97E-02	1.25E-05	3.65E-06
1129	482881.63, 3853084.48	3.31E-02	1.04E-05	3.04E-06	3.38E-02	1.07E-05	3.10E-06	3.37E-02	1.06E-05	3.10E-06
1130	482781.63, 3853134.48	5.31E-02	1.68E-05	4.87E-06	5.42E-02	1.71E-05	4.97E-06	5.41E-02	1.71E-05	4.97E-06
1131	482831.63, 3853134.48	4.26E-02	1.34E-05	3.91E-06	4.34E-02	1.37E-05	3.99E-06	4.34E-02	1.37E-05	3.98E-06
1132	482881.63, 3853134.48	3.58E-02	1.13E-05	3.29E-06	3.65E-02	1.15E-05	3.35E-06	3.65E-02	1.15E-05	3.35E-06
1133	482831.63, 3853184.48	4.72E-02	1.49E-05	4.33E-06	4.82E-02	1.52E-05	4.42E-06	4.81E-02	1.52E-05	4.42E-06
1134	482881.63, 3853184.48	3.88E-02	1.22E-05	3.56E-06	3.95E-02	1.25E-05	3.63E-06	3.95E-02	1.25E-05	3.63E-06
1135	484154.84, 3854250.98	1.91E-03	6.02E-07	1.75E-07	1.95E-03	6.14E-07	1.79E-07	1.94E-03	6.13E-07	1.78E-07
1136	484204.84, 3854250.98	1.89E-03	5.96E-07	1.73E-07	1.93E-03	6.08E-07	1.77E-07	1.92E-03	6.07E-07	1.77E-07
1137	484154.84, 3854300.98	1.80E-03	5.69E-07	1.65E-07	1.84E-03	5.80E-07	1.69E-07	1.84E-03	5.79E-07	1.69E-07
1138	484204.84, 3854300.98	1.80E-03	5.67E-07	1.65E-07	1.83E-03	5.78E-07	1.68E-07	1.83E-03	5.77E-07	1.68E-07
1139	484074.19, 3854519.8	1.51E-03	4.76E-07	1.38E-07	1.54E-03	4.86E-07	1.41E-07	1.54E-03	4.85E-07	1.41E-07
1140	484124.19, 3854519.8	1.50E-03	4.72E-07	1.37E-07	1.53E-03	4.82E-07	1.40E-07	1.52E-03	4.81E-07	1.40E-07
1141	484074.19, 3854569.8	1.45E-03	4.58E-07	1.33E-07	1.48E-03	4.67E-07	1.36E-07	1.48E-03	4.67E-07	1.36E-07
1142	484124.19, 3854569.8	1.43E-03	4.51E-07	1.31E-07	1.46E-03	4.60E-07	1.34E-07	1.46E-03	4.60E-07	1.34E-07
1143	485205.11, 3855188.89	1.21E-03	3.81E-07	1.11E-07	1.23E-03	3.89E-07	1.13E-07	1.23E-03	3.89E-07	1.13E-07
1144	485255.11, 3855188.89	1.19E-03	3.76E-07	1.09E-07	1.22E-03	3.84E-07	1.12E-07	1.21E-03	3.83E-07	1.11E-07
1145	485205.11, 3855238.89	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.83E-07	1.11E-07	1.21E-03	3.82E-07	1.11E-07
1146	485255.11, 3855238.89	1.18E-03	3.73E-07	1.08E-07	1.20E-03	3.80E-07	1.11E-07	1.20E-03	3.80E-07	1.10E-07
1147	485205.11, 3855288.89	1.19E-03	3.76E-07	1.09E-07	1.22E-03	3.84E-07	1.12E-07	1.21E-03	3.83E-07	1.11E-07
1148	485255.11, 3855288.89	1.18E-03	3.73E-07	1.08E-07	1.20E-03	3.80E-07	1.11E-07	1.20E-03	3.80E-07	1.10E-07
1149	485255.11, 3855338.89	1.18E-03	3.72E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.79E-07	1.10E-07
1150	485305.11, 3855338.89	1.17E-03	3.69E-07	1.07E-07	1.19E-03	3.76E-07	1.09E-07	1.19E-03	3.76E-07	1.09E-07
1151	485852.5, 3855635.28	1.05E-03	3.33E-07	9.67E-08	1.08E-03	3.39E-07	9.87E-08	1.07E-03	3.39E-07	9.86E-08
1152	485902.5, 3855635.28	1.04E-03	3.29E-07	9.58E-08	1.07E-03	3.36E-07	9.78E-08	1.06E-03	3.36E-07	9.77E-08
1153	485852.5, 3855685.28	1.05E-03	3.30E-07	9.61E-08	1.07E-03	3.37E-07	9.80E-08	1.07E-03	3.37E-07	9.79E-08
1154	485902.5, 3855685.28	1.04E-03	3.27E-07	9.52E-08	1.06E-03	3.34E-07	9.71E-08	1.06E-03	3.33E-07	9.70E-08
1155	485852.5, 3855735.28	1.04E-03	3.28E-07	9.54E-08	1.06E-03	3.35E-07	9.73E-08	1.06E-03	3.34E-07	9.72E-08
1156	485902.5, 3855735.28	1.03E-03	3.26E-07	9.48E-08	1.05E-03	3.32E-07	9.67E-08	1.05E-03	3.32E-07	9.66E-08
1157	485852.5, 3855785.28	1.03E-03	3.26E-07	9.49E-08	1.05E-03	3.33E-07	9.68E-08	1.05E-03	3.32E-07	9.67E-08
1158	485902.5, 3855785.28	1.02E-03	3.23E-07	9.41E-08	1.05E-03	3.30E-07	9.60E-08	1.04E-03	3.30E-07	9.59E-08
1159	486809.46, 3856465.28	8.94E-04	2.82E-07	8.20E-08	9.12E-04	2.88E-07	8.37E-08	9.11E-04	2.87E-07	8.36E-08
1160	486859.46, 3856465.28	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
1161	486909.46, 3856465.28	8.89E-04	2.81E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08
1162	486809.46, 3856515.28	8.95E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
1163	486859.46, 3856515.28	8.94E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.11E-04	2.88E-07	8.37E-08
1164	486909.46, 3856515.28	8.93E-04	2.82E-07	8.19E-08	9.11E-04	2.87E-07	8.36E-08	9.10E-04	2.87E-07	8.35E-08
1165	486980.94, 3856357.95	8.85E-04	2.79E-07	8.13E-08	9.03E-04	2.85E-07	8.29E-08	9.02E-04	2.85E-07	8.28E-08
1166	487030.94, 3856357.95	8.85E-04	2.79E-07	8.12E-08	9.03E-04	2.85E-07	8.29E-08	9.02E-04	2.85E-07	8.28E-08
1167	486980.94, 3856407.95	8.86E-04	2.80E-07	8.13E-08	9.04E-04	2.85E-07	8.30E-08	9.03E-04	2.85E-07	8.29E-08
1168	487030.94, 3856407.95	8.84E-04	2.79E-07	8.12E-08	9.02E-04	2.85E-07	8.28E-08	9.01E-04	2.84E-07	8.27E-08
1169	487447.18, 3856437.45	8.88E-04	2.80E-07	8.15E-08	9.06E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
1170	487497.18, 3856437.45	8.90E-04	2.81E-07	8.17E-08	9.08E-04	2.87E-07	8.34E-08	9.07E-04	2.86E-07	8.33E-08
1171	487547.18, 3856437.45	8.92E-04	2.82E-07	8.19E-08	9.10E-04	2.87E-07	8.36E-08	9.09E-04	2.87E-07	8.35E-08
1172	487447.18, 3856487.45	8.87E-04	2.80E-07	8.14E-08	9.05E-04	2.86E-07	8.31E-08	9.04E-04	2.85E-07	8.30E-08
1173	487497.18, 3856487.45	8.88E-04	2.80E-07	8.16E-08	9.07E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
1174	487547.18, 3856487.45	8.91E-04	2.81E-07	8.18E-08	9.09E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08

1175	487447.18, 3856537.45	8.86E-04	2.80E-07	8.14E-08	9.04E-04	2.85E-07	8.30E-08	9.03E-04	2.85E-07	8.29E-08
1176	487497.18, 3856537.45	8.88E-04	2.80E-07	8.15E-08	9.06E-04	2.86E-07	8.31E-08	9.05E-04	2.86E-07	8.30E-08
1177	487547.18, 3856537.45	8.90E-04	2.81E-07	8.17E-08	9.09E-04	2.87E-07	8.34E-08	9.08E-04	2.86E-07	8.33E-08
1178	489285.89, 3858826.54	1.16E-02	3.67E-06	1.07E-06	1.19E-02	3.74E-06	1.09E-06	1.18E-02	3.74E-06	1.09E-06
1179	489335.89, 3858826.54	1.13E-02	3.56E-06	1.04E-06	1.15E-02	3.63E-06	1.06E-06	1.15E-02	3.63E-06	1.06E-06
1180	489385.89, 3858826.54	1.09E-02	3.45E-06	1.00E-06	1.11E-02	3.52E-06	1.02E-06	1.11E-02	3.51E-06	1.02E-06
1181	489435.89, 3858826.54	1.06E-02	3.34E-06	9.72E-07	1.08E-02	3.41E-06	9.91E-07	1.08E-02	3.40E-06	9.90E-07
1182	489485.89, 3858826.54	1.03E-02	3.24E-06	9.41E-07	1.05E-02	3.30E-06	9.60E-07	1.04E-02	3.30E-06	9.59E-07
1183	489535.89, 3858826.54	9.93E-03	3.13E-06	9.12E-07	1.01E-02	3.20E-06	9.30E-07	1.01E-02	3.20E-06	9.29E-07
1184	489585.89, 3858826.54	9.63E-03	3.04E-06	8.84E-07	9.83E-03	3.10E-06	9.02E-07	9.82E-03	3.10E-06	9.01E-07
1185	489635.89, 3858826.54	9.34E-03	2.95E-06	8.57E-07	9.53E-03	3.01E-06	8.75E-07	9.52E-03	3.00E-06	8.74E-07
1186	489685.89, 3858826.54	9.06E-03	2.86E-06	8.32E-07	9.25E-03	2.92E-06	8.49E-07	9.23E-03	2.91E-06	8.48E-07
1187	489735.89, 3858826.54	8.80E-03	2.78E-06	8.08E-07	8.98E-03	2.83E-06	8.25E-07	8.97E-03	2.83E-06	8.24E-07
1188	489785.89, 3858826.54	8.57E-03	2.71E-06	7.87E-07	8.75E-03	2.76E-06	8.03E-07	8.74E-03	2.76E-06	8.02E-07
1189	489835.89, 3858826.54	8.33E-03	2.63E-06	7.65E-07	8.51E-03	2.68E-06	7.81E-07	8.50E-03	2.68E-06	7.80E-07
1190	489885.89, 3858826.54	8.14E-03	2.57E-06	7.47E-07	8.30E-03	2.62E-06	7.62E-07	8.29E-03	2.62E-06	7.61E-07
1191	489935.89, 3858826.54	7.93E-03	2.50E-06	7.28E-07	8.09E-03	2.55E-06	7.43E-07	8.08E-03	2.55E-06	7.42E-07
1192	489985.89, 3858826.54	7.72E-03	2.44E-06	7.09E-07	7.88E-03	2.49E-06	7.23E-07	7.87E-03	2.48E-06	7.22E-07
1193	490035.89, 3858826.54	7.43E-03	2.35E-06	6.83E-07	7.59E-03	2.39E-06	6.96E-07	7.58E-03	2.39E-06	6.96E-07
1194	489285.89, 3858876.54	1.66E-02	5.23E-06	1.52E-06	1.69E-02	5.33E-06	1.55E-06	1.69E-02	5.33E-06	1.55E-06
1195	489335.89, 3858876.54	1.55E-02	4.91E-06	1.43E-06	1.59E-02	5.01E-06	1.46E-06	1.58E-02	5.00E-06	1.45E-06
1196	489385.89, 3858876.54	1.47E-02	4.63E-06	1.35E-06	1.50E-02	4.72E-06	1.37E-06	1.49E-02	4.72E-06	1.37E-06
1197	489435.89, 3858876.54	1.39E-02	4.38E-06	1.27E-06	1.42E-02	4.47E-06	1.30E-06	1.41E-02	4.46E-06	1.30E-06
1198	489485.89, 3858876.54	1.32E-02	4.16E-06	1.21E-06	1.35E-02	4.25E-06	1.24E-06	1.34E-02	4.24E-06	1.23E-06
1199	489535.89, 3858876.54	1.26E-02	3.96E-06	1.15E-06	1.28E-02	4.05E-06	1.18E-06	1.28E-02	4.04E-06	1.18E-06
1200	489585.89, 3858876.54	1.20E-02	3.78E-06	1.10E-06	1.22E-02	3.86E-06	1.12E-06	1.22E-02	3.85E-06	1.12E-06
1201	489635.89, 3858876.54	1.15E-02	3.62E-06	1.05E-06	1.17E-02	3.70E-06	1.08E-06	1.17E-02	3.69E-06	1.07E-06
1202	489685.89, 3858876.54	1.10E-02	3.48E-06	1.01E-06	1.12E-02	3.55E-06	1.03E-06	1.12E-02	3.54E-06	1.03E-06
1203	489735.89, 3858876.54	1.06E-02	3.34E-06	9.72E-07	1.08E-02	3.41E-06	9.92E-07	1.08E-02	3.41E-06	9.91E-07
1204	489785.89, 3858876.54	1.02E-02	3.23E-06	9.38E-07	1.04E-02	3.29E-06	9.58E-07	1.04E-02	3.29E-06	9.56E-07
1205	489835.89, 3858876.54	9.87E-03	3.11E-06	9.06E-07	1.01E-02	3.18E-06	9.24E-07	1.01E-02	3.17E-06	9.23E-07
1206	489885.89, 3858876.54	9.57E-03	3.02E-06	8.79E-07	9.77E-03	3.08E-06	8.97E-07	9.76E-03	3.08E-06	8.96E-07
1207	489935.89, 3858876.54	9.26E-03	2.92E-06	8.50E-07	9.45E-03	2.98E-06	8.68E-07	9.44E-03	2.98E-06	8.67E-07
1208	489985.89, 3858876.54	8.94E-03	2.82E-06	8.21E-07	9.13E-03	2.88E-06	8.38E-07	9.12E-03	2.88E-06	8.37E-07
1209	490035.89, 3858876.54	8.59E-03	2.71E-06	7.89E-07	8.77E-03	2.77E-06	8.05E-07	8.76E-03	2.76E-06	8.04E-07
1210	489285.89, 3858926.54	2.32E-02	7.33E-06	2.13E-06	2.37E-02	7.48E-06	2.18E-06	2.37E-02	7.47E-06	2.17E-06
1211	489335.89, 3858926.54	2.11E-02	6.67E-06	1.94E-06	2.16E-02	6.81E-06	1.98E-06	2.15E-02	6.80E-06	1.98E-06
1212	489385.89, 3858926.54	1.94E-02	6.12E-06	1.78E-06	1.98E-02	6.25E-06	1.82E-06	1.98E-02	6.24E-06	1.82E-06
1213	489435.89, 3858926.54	1.80E-02	5.68E-06	1.65E-06	1.84E-02	5.79E-06	1.68E-06	1.83E-02	5.78E-06	1.68E-06
1214	489485.89, 3858926.54	1.68E-02	5.29E-06	1.54E-06	1.71E-02	5.40E-06	1.57E-06	1.71E-02	5.40E-06	1.57E-06
1215	489535.89, 3858926.54	1.57E-02	4.97E-06	1.44E-06	1.61E-02	5.07E-06	1.47E-06	1.60E-02	5.06E-06	1.47E-06
1216	489585.89, 3858926.54	1.48E-02	4.68E-06	1.36E-06	1.51E-02	4.77E-06	1.39E-06	1.51E-02	4.77E-06	1.39E-06
1217	489635.89, 3858926.54	1.40E-02	4.42E-06	1.29E-06	1.43E-02	4.52E-06	1.31E-06	1.43E-02	4.51E-06	1.31E-06
1218	489685.89, 3858926.54	1.33E-02	4.20E-06	1.22E-06	1.36E-02	4.28E-06	1.25E-06	1.36E-02	4.28E-06	1.24E-06
1219	489735.89, 3858926.54	1.27E-02	4.00E-06	1.16E-06	1.29E-02	4.09E-06	1.19E-06	1.29E-02	4.08E-06	1.19E-06
1220	489785.89, 3858926.54	1.21E-02	3.83E-06	1.11E-06	1.24E-02	3.91E-06	1.14E-06	1.24E-02	3.90E-06	1.14E-06
1221	489835.89, 3858926.54	1.16E-02	3.67E-06	1.07E-06	1.19E-02	3.74E-06	1.09E-06	1.18E-02	3.74E-06	1.09E-06
1222	489885.89, 3858926.54	1.12E-02	3.53E-06	1.03E-06	1.14E-02	3.60E-06	1.05E-06	1.14E-02	3.60E-06	1.05E-06
1223	489935.89, 3858926.54	1.08E-02	3.40E-06	9.88E-07	1.10E-02	3.46E-06	1.01E-06	1.10E-02	3.46E-06	1.01E-06
1224	489985.89, 3858926.54	1.03E-02	3.27E-06	9.50E-07	1.06E-02	3.33E-06	9.69E-07	1.05E-02	3.33E-06	9.68E-07
1225	490035.89, 3858926.54	9.82E-03	3.10E-06	9.02E-07	1.00E-02	3.16E-06	9.20E-07	1.00E-02	3.16E-06	9.19E-07
1226	489335.89, 3858976.54	2.83E-02	8.93E-06	2.60E-06	2.89E-02	9.11E-06	2.65E-06	2.88E-02	9.10E-06	2.65E-06
1227	489385.89, 3858976.54	2.54E-02	8.01E-06	2.33E-06	2.59E-02	8.17E-06	2.38E-06	2.59E-02	8.16E-06	2.37E-06
1228	489435.89, 3858976.54	2.31E-02	7.28E-06	2.12E-06	2.35E-02	7.43E-06	2.16E-06	2.35E-02	7.42E-06	2.16E-06
1229	489485.89, 3858976.54	2.11E-02	6.67E-06	1.94E-06	2.16E-02	6.81E-06	1.98E-06	2.16E-02	6.80E-06	1.98E-06
1230	489535.89, 3858976.54	1.95E-02	6.16E-06	1.79E-06	1.99E-02	6.29E-06	1.83E-06	1.99E-02	6.28E-06	1.83E-06
1231	489585.89, 3858976.54	1.82E-02	5.74E-06	1.67E-06	1.86E-02	5.86E-06	1.70E-06	1.85E-02	5.85E-06	1.70E-06
1232	489635.89, 3858976.54	1.70E-02	5.37E-06	1.56E-06	1.74E-02	5.48E-06	1.59E-06	1.74E-02	5.48E-06	1.59E-06
1233	489685.89, 3858976.54	1.60E-02	5.05E-06	1.47E-06	1.63E-02	5.15E-06	1.50E-06	1.63E-02	5.14E-06	1.50E-06
1234	489735.89, 3858976.54	1.51E-02	4.77E-06	1.39E-06	1.54E-02	4.87E-06	1.42E-06	1.54E-02	4.86E-06	1.41E-06
1235	489785.89, 3858976.54	1.43E-02	4.53E-06	1.32E-06	1.46E-02	4.62E-06	1.34E-06	1.46E-02	4.62E-06	1.34E-06
1236	489835.89, 3858976.54	1.37E-02	4.31E-06	1.25E-06	1.39E-02	4.40E-06	1.28E-06	1.39E-02	4.39E-06	1.28E-06

1237	489885.89, 3858976.54	1.30E-02	4.10E-06	1.19E-06	1.33E-02	4.19E-06	1.22E-06	1.32E-02	4.18E-06	1.22E-06
1238	489935.89, 3858976.54	1.24E-02	3.92E-06	1.14E-06	1.27E-02	4.00E-06	1.16E-06	1.27E-02	4.00E-06	1.16E-06
1239	489985.89, 3858976.54	1.19E-02	3.76E-06	1.09E-06	1.21E-02	3.83E-06	1.11E-06	1.21E-02	3.83E-06	1.11E-06
1240	490035.89, 3858976.54	1.11E-02	3.50E-06	1.02E-06	1.13E-02	3.57E-06	1.04E-06	1.13E-02	3.57E-06	1.04E-06
1241	489385.89, 3859026.54	3.30E-02	1.04E-05	3.03E-06	3.37E-02	1.06E-05	3.10E-06	3.37E-02	1.06E-05	3.09E-06
1242	489435.89, 3859026.54	2.94E-02	9.29E-06	2.70E-06	3.00E-02	9.48E-06	2.76E-06	3.00E-02	9.46E-06	2.75E-06
1243	489485.89, 3859026.54	2.65E-02	8.37E-06	2.44E-06	2.71E-02	8.55E-06	2.49E-06	2.70E-02	8.53E-06	2.48E-06
1244	489535.89, 3859026.54	2.42E-02	7.63E-06	2.22E-06	2.47E-02	7.79E-06	2.27E-06	2.47E-02	7.78E-06	2.26E-06
1245	489585.89, 3859026.54	2.22E-02	7.01E-06	2.04E-06	2.27E-02	7.16E-06	2.08E-06	2.27E-02	7.15E-06	2.08E-06
1246	489635.89, 3859026.54	2.06E-02	6.50E-06	1.89E-06	2.10E-02	6.63E-06	1.93E-06	2.10E-02	6.63E-06	1.93E-06
1247	489685.89, 3859026.54	1.92E-02	6.06E-06	1.76E-06	1.96E-02	6.18E-06	1.80E-06	1.96E-02	6.18E-06	1.80E-06
1248	489735.89, 3859026.54	1.80E-02	5.68E-06	1.65E-06	1.84E-02	5.80E-06	1.69E-06	1.83E-02	5.79E-06	1.68E-06
1249	489785.89, 3859026.54	1.69E-02	5.35E-06	1.56E-06	1.73E-02	5.46E-06	1.59E-06	1.73E-02	5.45E-06	1.59E-06
1250	489835.89, 3859026.54	1.60E-02	5.04E-06	1.47E-06	1.63E-02	5.14E-06	1.50E-06	1.63E-02	5.14E-06	1.49E-06
1251	489885.89, 3859026.54	1.51E-02	4.77E-06	1.39E-06	1.54E-02	4.87E-06	1.42E-06	1.54E-02	4.86E-06	1.41E-06
1252	489935.89, 3859026.54	1.43E-02	4.53E-06	1.32E-06	1.46E-02	4.62E-06	1.34E-06	1.46E-02	4.61E-06	1.34E-06
1253	489985.89, 3859026.54	1.36E-02	4.30E-06	1.25E-06	1.39E-02	4.39E-06	1.28E-06	1.39E-02	4.39E-06	1.28E-06
1254	490035.89, 3859026.54	1.26E-02	3.97E-06	1.15E-06	1.28E-02	4.05E-06	1.18E-06	1.28E-02	4.04E-06	1.18E-06
1255	489485.89, 3859076.54	3.36E-02	1.06E-05	3.08E-06	3.43E-02	1.08E-05	3.14E-06	3.42E-02	1.08E-05	3.14E-06
1256	489535.89, 3859076.54	3.01E-02	9.50E-06	2.76E-06	3.07E-02	9.70E-06	2.82E-06	3.07E-02	9.69E-06	2.82E-06
1257	489585.89, 3859076.54	2.73E-02	8.62E-06	2.51E-06	2.79E-02	8.79E-06	2.56E-06	2.78E-02	8.78E-06	2.55E-06
1258	489635.89, 3859076.54	2.50E-02	7.90E-06	2.30E-06	2.55E-02	8.06E-06	2.34E-06	2.55E-02	8.05E-06	2.34E-06
1259	489685.89, 3859076.54	2.31E-02	7.29E-06	2.12E-06	2.36E-02	7.44E-06	2.16E-06	2.35E-02	7.43E-06	2.16E-06
1260	489735.89, 3859076.54	2.15E-02	6.77E-06	1.97E-06	2.19E-02	6.91E-06	2.01E-06	2.19E-02	6.90E-06	2.01E-06
1261	489785.89, 3859076.54	2.00E-02	6.32E-06	1.84E-06	2.04E-02	6.45E-06	1.88E-06	2.04E-02	6.44E-06	1.87E-06
1262	489835.89, 3859076.54	1.88E-02	5.92E-06	1.72E-06	1.91E-02	6.04E-06	1.76E-06	1.91E-02	6.03E-06	1.75E-06
1263	489885.89, 3859076.54	1.76E-02	5.56E-06	1.62E-06	1.80E-02	5.68E-06	1.65E-06	1.80E-02	5.67E-06	1.65E-06
1264	489935.89, 3859076.54	1.66E-02	5.25E-06	1.53E-06	1.70E-02	5.36E-06	1.56E-06	1.70E-02	5.35E-06	1.56E-06
1265	489985.89, 3859076.54	1.57E-02	4.95E-06	1.44E-06	1.60E-02	5.05E-06	1.47E-06	1.60E-02	5.05E-06	1.47E-06
1266	490035.89, 3859076.54	1.44E-02	4.56E-06	1.33E-06	1.47E-02	4.65E-06	1.35E-06	1.47E-02	4.65E-06	1.35E-06
1267	489585.89, 3859126.54	3.41E-02	1.08E-05	3.13E-06	3.48E-02	1.10E-05	3.20E-06	3.48E-02	1.10E-05	3.19E-06
1268	489635.89, 3859126.54	3.08E-02	9.72E-06	2.83E-06	3.14E-02	9.91E-06	2.88E-06	3.14E-02	9.90E-06	2.88E-06
1269	489685.89, 3859126.54	2.80E-02	8.85E-06	2.57E-06	2.86E-02	9.03E-06	2.63E-06	2.86E-02	9.02E-06	2.62E-06
1270	489735.89, 3859126.54	2.57E-02	8.12E-06	2.36E-06	2.63E-02	8.29E-06	2.41E-06	2.62E-02	8.28E-06	2.41E-06
1271	489785.89, 3859126.54	2.38E-02	7.51E-06	2.18E-06	2.43E-02	7.66E-06	2.23E-06	2.43E-02	7.65E-06	2.23E-06
1272	489835.89, 3859126.54	2.21E-02	6.97E-06	2.03E-06	2.25E-02	7.12E-06	2.07E-06	2.25E-02	7.11E-06	2.07E-06
1273	489885.89, 3859126.54	2.06E-02	6.50E-06	1.89E-06	2.10E-02	6.63E-06	1.93E-06	2.10E-02	6.62E-06	1.93E-06
1274	489935.89, 3859126.54	1.93E-02	6.09E-06	1.77E-06	1.97E-02	6.22E-06	1.81E-06	1.97E-02	6.21E-06	1.81E-06
1275	489985.89, 3859126.54	1.80E-02	5.68E-06	1.65E-06	1.84E-02	5.79E-06	1.69E-06	1.83E-02	5.79E-06	1.68E-06
1276	490035.89, 3859126.54	1.67E-02	5.26E-06	1.53E-06	1.70E-02	5.36E-06	1.56E-06	1.70E-02	5.36E-06	1.56E-06
1277	489585.89, 3859176.54	4.39E-02	1.39E-05	4.03E-06	4.48E-02	1.42E-05	4.12E-06	4.48E-02	1.41E-05	4.11E-06
1278	489635.89, 3859176.54	3.87E-02	1.22E-05	3.55E-06	3.95E-02	1.25E-05	3.63E-06	3.95E-02	1.25E-05	3.62E-06
1279	489685.89, 3859176.54	3.46E-02	1.09E-05	3.18E-06	3.53E-02	1.11E-05	3.24E-06	3.53E-02	1.11E-05	3.24E-06
1280	489735.89, 3859176.54	3.13E-02	9.88E-06	2.87E-06	3.19E-02	1.01E-05	2.93E-06	3.19E-02	1.01E-05	2.93E-06
1281	489785.89, 3859176.54	2.85E-02	9.01E-06	2.62E-06	2.91E-02	9.19E-06	2.67E-06	2.91E-02	9.18E-06	2.67E-06
1282	489835.89, 3859176.54	2.62E-02	8.28E-06	2.41E-06	2.68E-02	8.45E-06	2.46E-06	2.67E-02	8.44E-06	2.45E-06
1283	489885.89, 3859176.54	2.42E-02	7.65E-06	2.22E-06	2.47E-02	7.80E-06	2.27E-06	2.47E-02	7.79E-06	2.27E-06
1284	489935.89, 3859176.54	2.25E-02	7.11E-06	2.07E-06	2.30E-02	7.25E-06	2.11E-06	2.29E-02	7.24E-06	2.11E-06
1285	489985.89, 3859176.54	2.08E-02	6.58E-06	1.91E-06	2.13E-02	6.71E-06	1.95E-06	2.12E-02	6.70E-06	1.95E-06
1286	490035.89, 3859176.54	1.95E-02	6.17E-06	1.79E-06	1.99E-02	6.29E-06	1.83E-06	1.99E-02	6.29E-06	1.83E-06
1287	489685.89, 3859226.54	4.40E-02	1.39E-05	4.04E-06	4.49E-02	1.42E-05	4.12E-06	4.49E-02	1.42E-05	4.12E-06
1288	489735.89, 3859226.54	3.89E-02	1.23E-05	3.57E-06	3.97E-02	1.25E-05	3.65E-06	3.97E-02	1.25E-05	3.64E-06
1289	489785.89, 3859226.54	3.49E-02	1.10E-05	3.20E-06	3.56E-02	1.12E-05	3.27E-06	3.55E-02	1.12E-05	3.26E-06
1290	489835.89, 3859226.54	3.15E-02	9.95E-06	2.89E-06	3.22E-02	1.02E-05	2.95E-06	3.21E-02	1.01E-05	2.95E-06
1291	489885.89, 3859226.54	2.88E-02	9.09E-06	2.64E-06	2.94E-02	9.27E-06	2.70E-06	2.93E-02	9.26E-06	2.69E-06
1292	489935.89, 3859226.54	2.65E-02	8.35E-06	2.43E-06	2.70E-02	8.52E-06	2.48E-06	2.70E-02	8.51E-06	2.48E-06
1293	489985.89, 3859226.54	2.42E-02	7.63E-06	2.22E-06	2.47E-02	7.78E-06	2.26E-06	2.46E-02	7.77E-06	2.26E-06
1294	490035.89, 3859226.54	2.25E-02	7.11E-06	2.07E-06	2.30E-02	7.26E-06	2.11E-06	2.30E-02	7.25E-06	2.11E-06
1295	489735.89, 3859276.54	5.04E-02	1.59E-05	4.63E-06	5.15E-02	1.62E-05	4.73E-06	5.14E-02	1.62E-05	4.72E-06
1296	489785.89, 3859276.54	4.39E-02	1.39E-05	4.03E-06	4.48E-02	1.41E-05	4.11E-06	4.48E-02	1.41E-05	4.11E-06
1297	489835.89, 3859276.54	3.89E-02	1.23E-05	3.57E-06	3.96E-02	1.25E-05	3.64E-06	3.96E-02	1.25E-05	3.64E-06
1298	489885.89, 3859276.54	3.49E-02	1.10E-05	3.20E-06	3.56E-02	1.12E-05	3.27E-06	3.55E-02	1.12E-05	3.26E-06

1299	489935.89, 3859276.54	3.16E-02	9.96E-06	2.90E-06	3.22E-02	1.02E-05	2.96E-06	3.22E-02	1.02E-05	2.95E-06
1300	489985.89, 3859276.54	2.83E-02	8.94E-06	2.60E-06	2.89E-02	9.13E-06	2.65E-06	2.89E-02	9.12E-06	2.65E-06
1301	490035.89, 3859276.54	2.64E-02	8.33E-06	2.42E-06	2.69E-02	8.50E-06	2.47E-06	2.69E-02	8.49E-06	2.47E-06
1302	490458.06, 3859590.74	4.46E-02	1.41E-05	4.10E-06	4.55E-02	1.44E-05	4.18E-06	4.55E-02	1.44E-05	4.18E-06
1303	490508.06, 3859590.74	3.99E-02	1.26E-05	3.66E-06	4.07E-02	1.28E-05	3.74E-06	4.07E-02	1.28E-05	3.73E-06
1304	490558.06, 3859590.74	3.54E-02	1.12E-05	3.25E-06	3.61E-02	1.14E-05	3.32E-06	3.61E-02	1.14E-05	3.31E-06
1305	490608.06, 3859590.74	3.19E-02	1.01E-05	2.92E-06	3.25E-02	1.03E-05	2.98E-06	3.25E-02	1.02E-05	2.98E-06
1306	490658.06, 3859590.74	2.88E-02	9.10E-06	2.65E-06	2.94E-02	9.28E-06	2.70E-06	2.94E-02	9.27E-06	2.70E-06
1307	490708.06, 3859590.74	2.62E-02	8.27E-06	2.41E-06	2.68E-02	8.44E-06	2.46E-06	2.67E-02	8.43E-06	2.45E-06
1308	490758.06, 3859590.74	2.38E-02	7.51E-06	2.18E-06	2.43E-02	7.66E-06	2.23E-06	2.42E-02	7.65E-06	2.23E-06
1309	490808.06, 3859590.74	2.19E-02	6.92E-06	2.01E-06	2.24E-02	7.06E-06	2.05E-06	2.23E-02	7.05E-06	2.05E-06
1310	490858.06, 3859590.74	2.02E-02	6.37E-06	1.85E-06	2.06E-02	6.50E-06	1.89E-06	2.06E-02	6.49E-06	1.89E-06
1311	490458.06, 3859640.74	6.23E-02	1.97E-05	5.72E-06	6.36E-02	2.01E-05	5.84E-06	6.35E-02	2.01E-05	5.83E-06
1312	490508.06, 3859640.74	5.41E-02	1.71E-05	4.96E-06	5.52E-02	1.74E-05	5.07E-06	5.51E-02	1.74E-05	5.06E-06
1313	490558.06, 3859640.74	4.74E-02	1.50E-05	4.35E-06	4.84E-02	1.53E-05	4.44E-06	4.83E-02	1.53E-05	4.44E-06
1314	490608.06, 3859640.74	4.14E-02	1.31E-05	3.80E-06	4.23E-02	1.33E-05	3.88E-06	4.22E-02	1.33E-05	3.88E-06
1315	490658.06, 3859640.74	3.61E-02	1.14E-05	3.31E-06	3.68E-02	1.16E-05	3.38E-06	3.68E-02	1.16E-05	3.38E-06
1316	490708.06, 3859640.74	3.23E-02	1.02E-05	2.96E-06	3.29E-02	1.04E-05	3.02E-06	3.29E-02	1.04E-05	3.02E-06
1317	490758.06, 3859640.74	2.89E-02	9.13E-06	2.65E-06	2.95E-02	9.31E-06	2.71E-06	2.95E-02	9.30E-06	2.71E-06
1318	490808.06, 3859640.74	2.65E-02	8.37E-06	2.43E-06	2.70E-02	8.54E-06	2.48E-06	2.70E-02	8.53E-06	2.48E-06
1319	490858.06, 3859640.74	2.44E-02	7.71E-06	2.24E-06	2.49E-02	7.87E-06	2.29E-06	2.49E-02	7.86E-06	2.29E-06
1320	490608.06, 3859690.74	5.76E-02	1.82E-05	5.29E-06	5.88E-02	1.86E-05	5.40E-06	5.87E-02	1.85E-05	5.39E-06
1321	490658.06, 3859690.74	4.83E-02	1.53E-05	4.44E-06	4.93E-02	1.56E-05	4.53E-06	4.93E-02	1.55E-05	4.52E-06
1322	490708.06, 3859690.74	4.17E-02	1.32E-05	3.83E-06	4.26E-02	1.34E-05	3.91E-06	4.25E-02	1.34E-05	3.90E-06
1323	490758.06, 3859690.74	3.64E-02	1.15E-05	3.34E-06	3.72E-02	1.17E-05	3.41E-06	3.71E-02	1.17E-05	3.41E-06
1324	490808.06, 3859690.74	3.26E-02	1.03E-05	3.00E-06	3.33E-02	1.05E-05	3.06E-06	3.33E-02	1.05E-05	3.05E-06
1325	490858.06, 3859690.74	3.03E-02	9.55E-06	2.78E-06	3.09E-02	9.75E-06	2.84E-06	3.08E-02	9.74E-06	2.83E-06
1326	490708.06, 3859740.74	6.04E-02	1.91E-05	5.54E-06	6.16E-02	1.94E-05	5.66E-06	6.15E-02	1.94E-05	5.65E-06
1327	490758.06, 3859740.74	5.15E-02	1.63E-05	4.73E-06	5.26E-02	1.66E-05	4.82E-06	5.25E-02	1.66E-05	4.82E-06
1328	490808.06, 3859740.74	4.45E-02	1.40E-05	4.09E-06	4.54E-02	1.43E-05	4.17E-06	4.54E-02	1.43E-05	4.16E-06
1329	490858.06, 3859740.74	3.96E-02	1.25E-05	3.64E-06	4.04E-02	1.28E-05	3.71E-06	4.04E-02	1.27E-05	3.71E-06
1330	490786.56, 3859749.39	5.07E-02	1.60E-05	4.66E-06	5.18E-02	1.63E-05	4.75E-06	5.17E-02	1.63E-05	4.75E-06
1331	490836.56, 3859749.39	4.38E-02	1.38E-05	4.02E-06	4.47E-02	1.41E-05	4.11E-06	4.47E-02	1.41E-05	4.10E-06
1332	490786.56, 3859799.39	7.95E-02	2.51E-05	7.30E-06	8.12E-02	2.56E-05	7.45E-06	8.11E-02	2.56E-05	7.44E-06
1333	490836.56, 3859799.39	6.54E-02	2.06E-05	6.00E-06	6.67E-02	2.11E-05	6.12E-06	6.66E-02	2.10E-05	6.12E-06
1334	492307.84, 3854508.36	9.82E-04	3.10E-07	9.02E-08	1.00E-03	3.16E-07	9.20E-08	1.00E-03	3.16E-07	9.19E-08
1335	486445.7, 3854753.6	1.22E-03	3.86E-07	1.12E-07	1.25E-03	3.94E-07	1.15E-07	1.25E-03	3.94E-07	1.15E-07
1336	472599.75, 3877830.11	7.87E-05	2.48E-08	7.22E-09	8.03E-05	2.53E-08	7.37E-09	8.02E-05	2.53E-08	7.36E-09
1337	493107.48, 3866840.19	2.02E-04	6.38E-08	1.86E-08	2.06E-04	6.51E-08	1.89E-08	2.06E-04	6.50E-08	1.89E-08
1338	495815.8, 3861662.87	1.24E-03	3.93E-07	1.14E-07	1.27E-03	4.01E-07	1.17E-07	1.27E-03	4.00E-07	1.16E-07
1339	480272.33, 3841389.2	4.48E-05	1.41E-08	4.11E-09	4.57E-05	1.44E-08	4.20E-09	4.56E-05	1.44E-08	4.19E-09
1340	497005.18, 3862813.64	6.96E-04	2.20E-07	6.39E-08	7.10E-04	2.24E-07	6.52E-08	7.09E-04	2.24E-07	6.51E-08
1341	493677.33, 3860302.55	5.30E-03	1.67E-06	4.86E-07	5.40E-03	1.71E-06	4.96E-07	5.40E-03	1.70E-06	4.95E-07
1342	493727.33, 3860302.55	5.16E-03	1.63E-06	4.74E-07	5.26E-03	1.66E-06	4.83E-07	5.26E-03	1.66E-06	4.83E-07
1343	493777.33, 3860302.55	5.02E-03	1.59E-06	4.61E-07	5.13E-03	1.62E-06	4.71E-07	5.12E-03	1.62E-06	4.70E-07
1344	493827.33, 3860302.55	4.89E-03	1.54E-06	4.49E-07	4.99E-03	1.58E-06	4.59E-07	4.99E-03	1.57E-06	4.58E-07
1345	493877.33, 3860302.55	4.78E-03	1.51E-06	4.39E-07	4.88E-03	1.54E-06	4.48E-07	4.87E-03	1.54E-06	4.47E-07
1346	493927.33, 3860302.55	4.67E-03	1.47E-06	4.29E-07	4.77E-03	1.50E-06	4.38E-07	4.76E-03	1.50E-06	4.37E-07
1347	493977.33, 3860302.55	4.53E-03	1.43E-06	4.16E-07	4.63E-03	1.46E-06	4.25E-07	4.62E-03	1.46E-06	4.24E-07
1348	494027.33, 3860302.55	4.41E-03	1.39E-06	4.05E-07	4.51E-03	1.42E-06	4.14E-07	4.50E-03	1.42E-06	4.13E-07
1349	493677.33, 3860352.55	5.22E-03	1.65E-06	4.79E-07	5.33E-03	1.68E-06	4.89E-07	5.32E-03	1.68E-06	4.88E-07
1350	493727.33, 3860352.55	5.09E-03	1.61E-06	4.67E-07	5.19E-03	1.64E-06	4.77E-07	5.19E-03	1.64E-06	4.76E-07
1351	493777.33, 3860352.55	4.96E-03	1.57E-06	4.56E-07	5.07E-03	1.60E-06	4.65E-07	5.06E-03	1.60E-06	4.64E-07
1352	493827.33, 3860352.55	4.84E-03	1.53E-06	4.45E-07	4.94E-03	1.56E-06	4.54E-07	4.94E-03	1.56E-06	4.53E-07
1353	493877.33, 3860352.55	4.72E-03	1.49E-06	4.33E-07	4.82E-03	1.52E-06	4.42E-07	4.81E-03	1.52E-06	4.42E-07
1354	493927.33, 3860352.55	4.60E-03	1.45E-06	4.23E-07	4.70E-03	1.48E-06	4.31E-07	4.69E-03	1.48E-06	4.31E-07
1355	493977.33, 3860352.55	4.48E-03	1.41E-06	4.11E-07	4.57E-03	1.44E-06	4.20E-07	4.57E-03	1.44E-06	4.19E-07
1356	494027.33, 3860352.55	4.38E-03	1.38E-06	4.02E-07	4.47E-03	1.41E-06	4.10E-07	4.46E-03	1.41E-06	4.10E-07
1357	493677.33, 3860402.55	5.13E-03	1.62E-06	4.71E-07	5.24E-03	1.65E-06	4.81E-07	5.23E-03	1.65E-06	4.80E-07
1358	493727.33, 3860402.55	5.00E-03	1.58E-06	4.59E-07	5.10E-03	1.61E-06	4.69E-07	5.10E-03	1.61E-06	4.68E-07
1359	493777.33, 3860402.55	4.86E-03	1.53E-06	4.46E-07	4.96E-03	1.57E-06	4.56E-07	4.96E-03	1.56E-06	4.55E-07
1360	493827.33, 3860402.55	4.75E-03	1.50E-06	4.36E-07	4.85E-03	1.53E-06	4.45E-07	4.84E-03	1.53E-06	4.45E-07

1361	493877.33, 3860402.55	4.64E-03	1.46E-06	4.26E-07	4.73E-03	1.49E-06	4.35E-07	4.73E-03	1.49E-06	4.34E-07
1362	493927.33, 3860402.55	4.52E-03	1.43E-06	4.15E-07	4.61E-03	1.46E-06	4.23E-07	4.61E-03	1.45E-06	4.23E-07
1363	493977.33, 3860402.55	4.40E-03	1.39E-06	4.04E-07	4.49E-03	1.42E-06	4.13E-07	4.49E-03	1.42E-06	4.12E-07
1364	494027.33, 3860402.55	4.31E-03	1.36E-06	3.96E-07	4.40E-03	1.39E-06	4.04E-07	4.39E-03	1.39E-06	4.03E-07
1365	493677.33, 3860452.55	5.01E-03	1.58E-06	4.60E-07	5.11E-03	1.61E-06	4.69E-07	5.10E-03	1.61E-06	4.69E-07
1366	493727.33, 3860452.55	4.89E-03	1.54E-06	4.49E-07	4.99E-03	1.58E-06	4.58E-07	4.99E-03	1.57E-06	4.58E-07
1367	493777.33, 3860452.55	4.77E-03	1.51E-06	4.38E-07	4.87E-03	1.54E-06	4.47E-07	4.86E-03	1.54E-06	4.47E-07
1368	493827.33, 3860452.55	4.65E-03	1.47E-06	4.27E-07	4.75E-03	1.50E-06	4.36E-07	4.74E-03	1.50E-06	4.35E-07
1369	493877.33, 3860452.55	4.54E-03	1.43E-06	4.17E-07	4.63E-03	1.46E-06	4.25E-07	4.62E-03	1.46E-06	4.25E-07
1370	493927.33, 3860452.55	4.42E-03	1.39E-06	4.05E-07	4.51E-03	1.42E-06	4.14E-07	4.50E-03	1.42E-06	4.13E-07
1371	493977.33, 3860452.55	4.32E-03	1.36E-06	3.96E-07	4.41E-03	1.39E-06	4.04E-07	4.40E-03	1.39E-06	4.04E-07
1372	494027.33, 3860452.55	4.22E-03	1.33E-06	3.88E-07	4.31E-03	1.36E-06	3.96E-07	4.30E-03	1.36E-06	3.95E-07
1373	493677.33, 3860502.55	4.87E-03	1.54E-06	4.47E-07	4.97E-03	1.57E-06	4.56E-07	4.96E-03	1.57E-06	4.56E-07
1374	493727.33, 3860502.55	4.75E-03	1.50E-06	4.36E-07	4.85E-03	1.53E-06	4.45E-07	4.84E-03	1.53E-06	4.45E-07
1375	493777.33, 3860502.55	4.64E-03	1.46E-06	4.26E-07	4.73E-03	1.49E-06	4.35E-07	4.73E-03	1.49E-06	4.34E-07
1376	493827.33, 3860502.55	4.53E-03	1.43E-06	4.16E-07	4.62E-03	1.46E-06	4.24E-07	4.62E-03	1.46E-06	4.24E-07
1377	493877.33, 3860502.55	4.42E-03	1.40E-06	4.06E-07	4.51E-03	1.42E-06	4.14E-07	4.51E-03	1.42E-06	4.14E-07
1378	493927.33, 3860502.55	4.32E-03	1.36E-06	3.96E-07	4.40E-03	1.39E-06	4.04E-07	4.40E-03	1.39E-06	4.04E-07
1379	493977.33, 3860502.55	4.22E-03	1.33E-06	3.88E-07	4.31E-03	1.36E-06	3.95E-07	4.30E-03	1.36E-06	3.95E-07
1380	494027.33, 3860502.55	4.13E-03	1.30E-06	3.79E-07	4.21E-03	1.33E-06	3.87E-07	4.21E-03	1.33E-06	3.86E-07
1381	493627.33, 3860552.55	4.83E-03	1.52E-06	4.43E-07	4.93E-03	1.55E-06	4.52E-07	4.92E-03	1.55E-06	4.52E-07
1382	493677.33, 3860552.55	4.71E-03	1.49E-06	4.32E-07	4.81E-03	1.52E-06	4.41E-07	4.80E-03	1.52E-06	4.41E-07
1383	493727.33, 3860552.55	4.60E-03	1.45E-06	4.22E-07	4.69E-03	1.48E-06	4.31E-07	4.69E-03	1.48E-06	4.30E-07
1384	493777.33, 3860552.55	4.49E-03	1.42E-06	4.12E-07	4.58E-03	1.45E-06	4.21E-07	4.58E-03	1.45E-06	4.20E-07
1385	493827.33, 3860552.55	4.39E-03	1.39E-06	4.03E-07	4.48E-03	1.41E-06	4.11E-07	4.48E-03	1.41E-06	4.11E-07
1386	493877.33, 3860552.55	4.29E-03	1.36E-06	3.94E-07	4.38E-03	1.38E-06	4.02E-07	4.38E-03	1.38E-06	4.02E-07
1387	493927.33, 3860552.55	4.20E-03	1.33E-06	3.86E-07	4.28E-03	1.35E-06	3.93E-07	4.28E-03	1.35E-06	3.93E-07
1388	493977.33, 3860552.55	4.11E-03	1.30E-06	3.77E-07	4.19E-03	1.32E-06	3.85E-07	4.19E-03	1.32E-06	3.84E-07
1389	494027.33, 3860552.55	4.02E-03	1.27E-06	3.69E-07	4.10E-03	1.30E-06	3.77E-07	4.10E-03	1.29E-06	3.76E-07
1390	493627.33, 3860602.55	4.64E-03	1.47E-06	4.26E-07	4.74E-03	1.50E-06	4.35E-07	4.73E-03	1.49E-06	4.35E-07
1391	493727.33, 3860602.55	4.42E-03	1.39E-06	4.06E-07	4.51E-03	1.42E-06	4.14E-07	4.50E-03	1.42E-06	4.13E-07
1392	493777.33, 3860602.55	4.33E-03	1.37E-06	3.97E-07	4.42E-03	1.39E-06	4.05E-07	4.41E-03	1.39E-06	4.05E-07
1393	493827.33, 3860602.55	4.24E-03	1.34E-06	3.89E-07	4.32E-03	1.36E-06	3.97E-07	4.32E-03	1.36E-06	3.96E-07
1394	493877.33, 3860602.55	4.15E-03	1.31E-06	3.81E-07	4.24E-03	1.34E-06	3.89E-07	4.23E-03	1.34E-06	3.88E-07
1395	493927.33, 3860602.55	4.06E-03	1.28E-06	3.73E-07	4.15E-03	1.31E-06	3.81E-07	4.14E-03	1.31E-06	3.80E-07
1396	493977.33, 3860602.55	3.98E-03	1.26E-06	3.65E-07	4.06E-03	1.28E-06	3.73E-07	4.06E-03	1.28E-06	3.73E-07
1397	494027.33, 3860602.55	3.90E-03	1.23E-06	3.58E-07	3.98E-03	1.26E-06	3.65E-07	3.98E-03	1.25E-06	3.65E-07
1398	493627.33, 3860652.55	4.45E-03	1.40E-06	4.08E-07	4.54E-03	1.43E-06	4.17E-07	4.53E-03	1.43E-06	4.16E-07
1399	493727.33, 3860652.55	4.24E-03	1.34E-06	3.89E-07	4.32E-03	1.37E-06	3.97E-07	4.32E-03	1.36E-06	3.97E-07
1400	493777.33, 3860652.55	4.15E-03	1.31E-06	3.81E-07	4.24E-03	1.34E-06	3.89E-07	4.23E-03	1.34E-06	3.88E-07
1401	493827.33, 3860652.55	4.07E-03	1.29E-06	3.74E-07	4.16E-03	1.31E-06	3.82E-07	4.15E-03	1.31E-06	3.81E-07
1402	493877.33, 3860652.55	3.99E-03	1.26E-06	3.67E-07	4.08E-03	1.29E-06	3.74E-07	4.07E-03	1.29E-06	3.74E-07
1403	493927.33, 3860652.55	3.92E-03	1.24E-06	3.60E-07	4.00E-03	1.26E-06	3.67E-07	3.99E-03	1.26E-06	3.67E-07
1404	493977.33, 3860652.55	3.84E-03	1.21E-06	3.53E-07	3.92E-03	1.24E-06	3.60E-07	3.91E-03	1.24E-06	3.59E-07
1405	494027.33, 3860652.55	3.77E-03	1.19E-06	3.46E-07	3.85E-03	1.21E-06	3.53E-07	3.84E-03	1.21E-06	3.53E-07
1406	494311.06, 3858401.99	9.74E-04	3.07E-07	8.94E-08	9.94E-04	3.14E-07	9.12E-08	9.93E-04	3.13E-07	9.11E-08
1407	494361.06, 3858401.99	9.63E-04	3.04E-07	8.84E-08	9.82E-04	3.10E-07	9.02E-08	9.81E-04	3.10E-07	9.01E-08
1408	494411.06, 3858401.99	9.56E-04	3.02E-07	8.77E-08	9.75E-04	3.08E-07	8.95E-08	9.74E-04	3.07E-07	8.94E-08
1409	494461.06, 3858401.99	9.54E-04	3.01E-07	8.75E-08	9.73E-04	3.07E-07	8.93E-08	9.72E-04	3.07E-07	8.92E-08
1410	494511.06, 3858401.99	9.46E-04	2.99E-07	8.68E-08	9.65E-04	3.05E-07	8.86E-08	9.64E-04	3.04E-07	8.85E-08
1411	494561.06, 3858401.99	9.43E-04	2.98E-07	8.66E-08	9.62E-04	3.04E-07	8.84E-08	9.61E-04	3.03E-07	8.83E-08
1412	494611.06, 3858401.99	9.35E-04	2.95E-07	8.58E-08	9.54E-04	3.01E-07	8.76E-08	9.53E-04	3.01E-07	8.75E-08
1413	494661.06, 3858401.99	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.69E-08	9.46E-04	2.98E-07	8.68E-08
1414	494711.06, 3858401.99	9.16E-04	2.89E-07	8.41E-08	9.35E-04	2.95E-07	8.58E-08	9.34E-04	2.95E-07	8.57E-08
1415	494761.06, 3858401.99	9.11E-04	2.88E-07	8.37E-08	9.30E-04	2.94E-07	8.54E-08	9.29E-04	2.93E-07	8.53E-08
1416	494811.06, 3858401.99	9.03E-04	2.85E-07	8.29E-08	9.21E-04	2.91E-07	8.45E-08	9.20E-04	2.90E-07	8.45E-08
1417	494861.06, 3858401.99	8.95E-04	2.82E-07	8.22E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
1418	494911.06, 3858401.99	8.87E-04	2.80E-07	8.15E-08	9.05E-04	2.86E-07	8.31E-08	9.04E-04	2.85E-07	8.30E-08
1419	494961.06, 3858401.99	8.79E-04	2.77E-07	8.07E-08	8.97E-04	2.83E-07	8.23E-08	8.96E-04	2.83E-07	8.22E-08
1420	495011.06, 3858401.99	8.67E-04	2.74E-07	7.96E-08	8.85E-04	2.79E-07	8.13E-08	8.84E-04	2.79E-07	8.12E-08
1421	495061.06, 3858401.99	8.59E-04	2.71E-07	7.89E-08	8.76E-04	2.77E-07	8.05E-08	8.75E-04	2.76E-07	8.04E-08
1422	495111.06, 3858401.99	8.42E-04	2.66E-07	7.73E-08	8.59E-04	2.71E-07	7.89E-08	8.58E-04	2.71E-07	7.88E-08

1423	495161.06, 3858401.99	8.39E-04	2.65E-07	7.70E-08	8.56E-04	2.70E-07	7.86E-08	8.55E-04	2.70E-07	7.85E-08
1424	495211.06, 3858401.99	8.24E-04	2.60E-07	7.56E-08	8.41E-04	2.65E-07	7.72E-08	8.40E-04	2.65E-07	7.71E-08
1425	495261.06, 3858401.99	8.16E-04	2.58E-07	7.49E-08	8.33E-04	2.63E-07	7.64E-08	8.32E-04	2.62E-07	7.63E-08
1426	495311.06, 3858401.99	8.07E-04	2.55E-07	7.41E-08	8.24E-04	2.60E-07	7.56E-08	8.23E-04	2.60E-07	7.55E-08
1427	495361.06, 3858401.99	8.01E-04	2.53E-07	7.36E-08	8.18E-04	2.58E-07	7.51E-08	8.17E-04	2.58E-07	7.50E-08
1428	495411.06, 3858401.99	7.98E-04	2.52E-07	7.33E-08	8.15E-04	2.57E-07	7.48E-08	8.14E-04	2.57E-07	7.47E-08
1429	495461.06, 3858401.99	7.96E-04	2.51E-07	7.31E-08	8.12E-04	2.56E-07	7.46E-08	8.11E-04	2.56E-07	7.45E-08
1430	495511.06, 3858401.99	7.93E-04	2.50E-07	7.28E-08	8.09E-04	2.55E-07	7.43E-08	8.08E-04	2.55E-07	7.42E-08
1431	495561.06, 3858401.99	7.83E-04	2.47E-07	7.18E-08	7.99E-04	2.52E-07	7.33E-08	7.98E-04	2.52E-07	7.32E-08
1432	495611.06, 3858401.99	7.79E-04	2.46E-07	7.16E-08	7.95E-04	2.51E-07	7.30E-08	7.94E-04	2.51E-07	7.29E-08
1433	495661.06, 3858401.99	7.85E-04	2.48E-07	7.21E-08	8.01E-04	2.53E-07	7.36E-08	8.00E-04	2.53E-07	7.35E-08
1434	494311.06, 3858451.99	1.03E-03	3.24E-07	9.43E-08	1.05E-03	3.31E-07	9.62E-08	1.05E-03	3.30E-07	9.61E-08
1435	494361.06, 3858451.99	1.02E-03	3.21E-07	9.34E-08	1.04E-03	3.28E-07	9.53E-08	1.04E-03	3.27E-07	9.52E-08
1436	494411.06, 3858451.99	1.01E-03	3.19E-07	9.28E-08	1.03E-03	3.25E-07	9.47E-08	1.03E-03	3.25E-07	9.45E-08
1437	494461.06, 3858451.99	1.00E-03	3.17E-07	9.22E-08	1.02E-03	3.23E-07	9.40E-08	1.02E-03	3.23E-07	9.39E-08
1438	494511.06, 3858451.99	1.00E-03	3.16E-07	9.19E-08	1.02E-03	3.22E-07	9.37E-08	1.02E-03	3.22E-07	9.36E-08
1439	494561.06, 3858451.99	9.92E-04	3.13E-07	9.10E-08	1.01E-03	3.19E-07	9.29E-08	1.01E-03	3.19E-07	9.28E-08
1440	494611.06, 3858451.99	9.85E-04	3.11E-07	9.04E-08	1.00E-03	3.17E-07	9.23E-08	1.00E-03	3.17E-07	9.21E-08
1441	494661.06, 3858451.99	9.78E-04	3.09E-07	8.98E-08	9.98E-04	3.15E-07	9.16E-08	9.96E-04	3.15E-07	9.15E-08
1442	494711.06, 3858451.99	9.67E-04	3.05E-07	8.88E-08	9.87E-04	3.12E-07	9.06E-08	9.86E-04	3.11E-07	9.05E-08
1443	494761.06, 3858451.99	9.57E-04	3.02E-07	8.78E-08	9.76E-04	3.08E-07	8.96E-08	9.75E-04	3.08E-07	8.95E-08
1444	494811.06, 3858451.99	9.49E-04	2.99E-07	8.71E-08	9.68E-04	3.05E-07	8.89E-08	9.67E-04	3.05E-07	8.88E-08
1445	494861.06, 3858451.99	9.39E-04	2.96E-07	8.62E-08	9.58E-04	3.02E-07	8.79E-08	9.57E-04	3.02E-07	8.78E-08
1446	494911.06, 3858451.99	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.66E-08	9.43E-04	2.98E-07	8.65E-08
1447	494961.06, 3858451.99	9.16E-04	2.89E-07	8.41E-08	9.35E-04	2.95E-07	8.58E-08	9.34E-04	2.95E-07	8.57E-08
1448	495011.06, 3858451.99	9.03E-04	2.85E-07	8.29E-08	9.22E-04	2.91E-07	8.46E-08	9.21E-04	2.91E-07	8.45E-08
1449	495061.06, 3858451.99	8.98E-04	2.83E-07	8.24E-08	9.16E-04	2.89E-07	8.41E-08	9.15E-04	2.89E-07	8.40E-08
1450	495111.06, 3858451.99	8.85E-04	2.79E-07	8.13E-08	9.04E-04	2.85E-07	8.29E-08	9.02E-04	2.85E-07	8.29E-08
1451	495161.06, 3858451.99	8.71E-04	2.75E-07	8.00E-08	8.89E-04	2.81E-07	8.16E-08	8.88E-04	2.80E-07	8.15E-08
1452	495211.06, 3858451.99	8.59E-04	2.71E-07	7.88E-08	8.76E-04	2.77E-07	8.04E-08	8.75E-04	2.76E-07	8.03E-08
1453	495261.06, 3858451.99	8.50E-04	2.68E-07	7.80E-08	8.67E-04	2.74E-07	7.96E-08	8.66E-04	2.73E-07	7.95E-08
1454	495311.06, 3858451.99	8.43E-04	2.66E-07	7.74E-08	8.61E-04	2.72E-07	7.90E-08	8.60E-04	2.71E-07	7.89E-08
1455	495361.06, 3858451.99	8.37E-04	2.64E-07	7.69E-08	8.55E-04	2.70E-07	7.84E-08	8.54E-04	2.69E-07	7.84E-08
1456	495411.06, 3858451.99	8.34E-04	2.63E-07	7.66E-08	8.52E-04	2.69E-07	7.82E-08	8.51E-04	2.68E-07	7.81E-08
1457	495461.06, 3858451.99	8.32E-04	2.63E-07	7.64E-08	8.49E-04	2.68E-07	7.80E-08	8.48E-04	2.68E-07	7.79E-08
1458	495511.06, 3858451.99	8.25E-04	2.60E-07	7.57E-08	8.42E-04	2.66E-07	7.73E-08	8.41E-04	2.65E-07	7.72E-08
1459	495561.06, 3858451.99	8.26E-04	2.61E-07	7.58E-08	8.43E-04	2.66E-07	7.73E-08	8.42E-04	2.66E-07	7.73E-08
1460	495611.06, 3858451.99	8.17E-04	2.58E-07	7.50E-08	8.33E-04	2.63E-07	7.65E-08	8.33E-04	2.63E-07	7.64E-08
1461	495661.06, 3858451.99	8.15E-04	2.57E-07	7.49E-08	8.32E-04	2.63E-07	7.64E-08	8.31E-04	2.62E-07	7.63E-08
1462	494311.06, 3858501.99	1.07E-03	3.37E-07	9.81E-08	1.09E-03	3.44E-07	1.00E-07	1.09E-03	3.44E-07	1.00E-07
1463	494361.06, 3858501.99	1.06E-03	3.35E-07	9.76E-08	1.08E-03	3.42E-07	9.96E-08	1.08E-03	3.42E-07	9.94E-08
1464	494411.06, 3858501.99	1.06E-03	3.33E-07	9.69E-08	1.08E-03	3.40E-07	9.89E-08	1.08E-03	3.40E-07	9.88E-08
1465	494461.06, 3858501.99	1.05E-03	3.32E-07	9.65E-08	1.07E-03	3.39E-07	9.85E-08	1.07E-03	3.38E-07	9.84E-08
1466	494511.06, 3858501.99	1.04E-03	3.28E-07	9.55E-08	1.06E-03	3.35E-07	9.75E-08	1.06E-03	3.35E-07	9.74E-08
1467	494561.06, 3858501.99	1.04E-03	3.29E-07	9.58E-08	1.06E-03	3.36E-07	9.77E-08	1.06E-03	3.36E-07	9.76E-08
1468	494611.06, 3858501.99	1.03E-03	3.26E-07	9.49E-08	1.06E-03	3.33E-07	9.69E-08	1.05E-03	3.33E-07	9.68E-08
1469	494661.06, 3858501.99	1.03E-03	3.25E-07	9.44E-08	1.05E-03	3.31E-07	9.64E-08	1.05E-03	3.31E-07	9.63E-08
1470	494711.06, 3858501.99	1.02E-03	3.21E-07	9.34E-08	1.04E-03	3.28E-07	9.53E-08	1.04E-03	3.27E-07	9.52E-08
1471	494761.06, 3858501.99	1.00E-03	3.17E-07	9.22E-08	1.03E-03	3.24E-07	9.41E-08	1.02E-03	3.23E-07	9.40E-08
1472	494811.06, 3858501.99	9.92E-04	3.13E-07	9.11E-08	1.01E-03	3.20E-07	9.30E-08	1.01E-03	3.19E-07	9.29E-08
1473	494861.06, 3858501.99	9.84E-04	3.11E-07	9.04E-08	1.00E-03	3.17E-07	9.22E-08	1.00E-03	3.17E-07	9.21E-08
1474	494911.06, 3858501.99	9.67E-04	3.05E-07	8.88E-08	9.87E-04	3.11E-07	9.06E-08	9.86E-04	3.11E-07	9.05E-08
1475	494961.06, 3858501.99	9.59E-04	3.03E-07	8.80E-08	9.78E-04	3.09E-07	8.98E-08	9.77E-04	3.08E-07	8.97E-08
1476	495011.06, 3858501.99	9.44E-04	2.98E-07	8.66E-08	9.63E-04	3.04E-07	8.84E-08	9.62E-04	3.04E-07	8.83E-08
1477	495061.06, 3858501.99	9.38E-04	2.96E-07	8.61E-08	9.57E-04	3.02E-07	8.78E-08	9.56E-04	3.02E-07	8.77E-08
1478	495111.06, 3858501.99	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
1479	495161.06, 3858501.99	9.06E-04	2.86E-07	8.32E-08	9.25E-04	2.92E-07	8.49E-08	9.24E-04	2.92E-07	8.48E-08
1480	495211.06, 3858501.99	8.95E-04	2.82E-07	8.21E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
1481	495261.06, 3858501.99	8.86E-04	2.80E-07	8.13E-08	9.04E-04	2.85E-07	8.30E-08	9.03E-04	2.85E-07	8.29E-08
1482	495311.06, 3858501.99	8.81E-04	2.78E-07	8.09E-08	8.99E-04	2.84E-07	8.25E-08	8.98E-04	2.83E-07	8.24E-08
1483	495361.06, 3858501.99	8.76E-04	2.76E-07	8.04E-08	8.94E-04	2.82E-07	8.21E-08	8.93E-04	2.82E-07	8.20E-08
1484	495411.06, 3858501.99	8.72E-04	2.75E-07	8.01E-08	8.90E-04	2.81E-07	8.17E-08	8.89E-04	2.81E-07	8.16E-08

1485	495461.06, 3858501.99	8.69E-04	2.74E-07	7.98E-08	8.87E-04	2.80E-07	8.14E-08	8.86E-04	2.80E-07	8.13E-08
1486	495511.06, 3858501.99	8.64E-04	2.73E-07	7.93E-08	8.82E-04	2.78E-07	8.09E-08	8.81E-04	2.78E-07	8.08E-08
1487	495561.06, 3858501.99	8.64E-04	2.73E-07	7.93E-08	8.82E-04	2.78E-07	8.09E-08	8.81E-04	2.78E-07	8.08E-08
1488	495611.06, 3858501.99	8.52E-04	2.69E-07	7.83E-08	8.70E-04	2.75E-07	7.99E-08	8.69E-04	2.74E-07	7.98E-08
1489	495661.06, 3858501.99	8.54E-04	2.70E-07	7.84E-08	8.72E-04	2.75E-07	8.00E-08	8.71E-04	2.75E-07	7.99E-08
1490	494311.06, 3858551.99	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.50E-07	1.02E-07
1491	494361.06, 3858551.99	1.10E-03	3.46E-07	1.01E-07	1.12E-03	3.53E-07	1.03E-07	1.12E-03	3.53E-07	1.03E-07
1492	494411.06, 3858551.99	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
1493	494461.06, 3858551.99	1.11E-03	3.49E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.56E-07	1.04E-07
1494	494511.06, 3858551.99	1.10E-03	3.48E-07	1.01E-07	1.12E-03	3.55E-07	1.03E-07	1.12E-03	3.54E-07	1.03E-07
1495	494561.06, 3858551.99	1.10E-03	3.46E-07	1.01E-07	1.12E-03	3.53E-07	1.03E-07	1.12E-03	3.53E-07	1.03E-07
1496	494611.06, 3858551.99	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.50E-07	1.02E-07
1497	494661.06, 3858551.99	1.08E-03	3.42E-07	9.94E-08	1.10E-03	3.49E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
1498	494711.06, 3858551.99	1.07E-03	3.37E-07	9.81E-08	1.09E-03	3.44E-07	1.00E-07	1.09E-03	3.44E-07	1.00E-07
1499	494761.06, 3858551.99	1.06E-03	3.33E-07	9.69E-08	1.08E-03	3.40E-07	9.89E-08	1.08E-03	3.40E-07	9.88E-08
1500	494811.06, 3858551.99	1.05E-03	3.30E-07	9.60E-08	1.07E-03	3.37E-07	9.79E-08	1.07E-03	3.36E-07	9.78E-08
1501	494861.06, 3858551.99	1.03E-03	3.26E-07	9.47E-08	1.05E-03	3.32E-07	9.66E-08	1.05E-03	3.32E-07	9.65E-08
1502	494911.06, 3858551.99	1.02E-03	3.20E-07	9.32E-08	1.04E-03	3.27E-07	9.51E-08	1.03E-03	3.27E-07	9.50E-08
1503	494961.06, 3858551.99	1.00E-03	3.16E-07	9.21E-08	1.02E-03	3.23E-07	9.39E-08	1.02E-03	3.23E-07	9.38E-08
1504	495011.06, 3858551.99	9.87E-04	3.11E-07	9.06E-08	1.01E-03	3.18E-07	9.24E-08	1.01E-03	3.17E-07	9.23E-08
1505	495061.06, 3858551.99	9.77E-04	3.08E-07	8.96E-08	9.96E-04	3.14E-07	9.15E-08	9.95E-04	3.14E-07	9.14E-08
1506	495111.06, 3858551.99	9.57E-04	3.02E-07	8.78E-08	9.76E-04	3.08E-07	8.96E-08	9.75E-04	3.08E-07	8.95E-08
1507	495161.06, 3858551.99	9.44E-04	2.98E-07	8.67E-08	9.63E-04	3.04E-07	8.84E-08	9.62E-04	3.04E-07	8.83E-08
1508	495211.06, 3858551.99	9.33E-04	2.94E-07	8.56E-08	9.52E-04	3.00E-07	8.74E-08	9.51E-04	3.00E-07	8.73E-08
1509	495261.06, 3858551.99	9.24E-04	2.92E-07	8.49E-08	9.43E-04	2.98E-07	8.66E-08	9.42E-04	2.97E-07	8.65E-08
1510	495311.06, 3858551.99	9.20E-04	2.90E-07	8.45E-08	9.39E-04	2.96E-07	8.62E-08	9.38E-04	2.96E-07	8.61E-08
1511	495361.06, 3858551.99	9.15E-04	2.89E-07	8.40E-08	9.34E-04	2.95E-07	8.57E-08	9.33E-04	2.94E-07	8.56E-08
1512	495411.06, 3858551.99	9.12E-04	2.88E-07	8.38E-08	9.31E-04	2.94E-07	8.55E-08	9.30E-04	2.93E-07	8.54E-08
1513	495461.06, 3858551.99	9.08E-04	2.87E-07	8.33E-08	9.26E-04	2.92E-07	8.50E-08	9.25E-04	2.92E-07	8.49E-08
1514	495511.06, 3858551.99	9.05E-04	2.86E-07	8.31E-08	9.24E-04	2.92E-07	8.48E-08	9.23E-04	2.91E-07	8.47E-08
1515	495561.06, 3858551.99	9.00E-04	2.84E-07	8.27E-08	9.19E-04	2.90E-07	8.44E-08	9.18E-04	2.90E-07	8.43E-08
1516	495611.06, 3858551.99	8.95E-04	2.82E-07	8.22E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
1517	495661.06, 3858551.99	8.88E-04	2.80E-07	8.16E-08	9.07E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
1518	494311.06, 3858601.99	1.09E-03	3.45E-07	1.00E-07	1.11E-03	3.52E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
1519	494361.06, 3858601.99	1.13E-03	3.57E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
1520	494411.06, 3858601.99	1.17E-03	3.69E-07	1.07E-07	1.19E-03	3.77E-07	1.10E-07	1.19E-03	3.76E-07	1.09E-07
1521	494461.06, 3858601.99	1.17E-03	3.68E-07	1.07E-07	1.19E-03	3.76E-07	1.09E-07	1.19E-03	3.75E-07	1.09E-07
1522	494511.06, 3858601.99	1.15E-03	3.64E-07	1.06E-07	1.18E-03	3.71E-07	1.08E-07	1.18E-03	3.71E-07	1.08E-07
1523	494561.06, 3858601.99	1.16E-03	3.65E-07	1.06E-07	1.18E-03	3.73E-07	1.08E-07	1.18E-03	3.72E-07	1.08E-07
1524	494611.06, 3858601.99	1.15E-03	3.62E-07	1.05E-07	1.17E-03	3.69E-07	1.07E-07	1.17E-03	3.69E-07	1.07E-07
1525	494661.06, 3858601.99	1.14E-03	3.59E-07	1.04E-07	1.16E-03	3.66E-07	1.07E-07	1.16E-03	3.66E-07	1.06E-07
1526	494711.06, 3858601.99	1.12E-03	3.55E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07
1527	494761.06, 3858601.99	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.58E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
1528	494811.06, 3858601.99	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
1529	494861.06, 3858601.99	1.08E-03	3.40E-07	9.90E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
1530	494911.06, 3858601.99	1.06E-03	3.34E-07	9.73E-08	1.08E-03	3.41E-07	9.93E-08	1.08E-03	3.41E-07	9.91E-08
1531	494961.06, 3858601.99	1.05E-03	3.30E-07	9.60E-08	1.07E-03	3.37E-07	9.80E-08	1.07E-03	3.36E-07	9.78E-08
1532	495011.06, 3858601.99	1.03E-03	3.26E-07	9.47E-08	1.05E-03	3.32E-07	9.66E-08	1.05E-03	3.32E-07	9.65E-08
1533	495061.06, 3858601.99	1.02E-03	3.21E-07	9.33E-08	1.04E-03	3.27E-07	9.52E-08	1.04E-03	3.27E-07	9.51E-08
1534	495111.06, 3858601.99	9.95E-04	3.14E-07	9.13E-08	1.02E-03	3.20E-07	9.32E-08	1.01E-03	3.20E-07	9.31E-08
1535	495161.06, 3858601.99	9.83E-04	3.10E-07	9.02E-08	1.00E-03	3.16E-07	9.21E-08	1.00E-03	3.16E-07	9.19E-08
1536	495211.06, 3858601.99	9.75E-04	3.08E-07	8.95E-08	9.95E-04	3.14E-07	9.13E-08	9.93E-04	3.14E-07	9.12E-08
1537	495261.06, 3858601.99	9.66E-04	3.05E-07	8.86E-08	9.85E-04	3.11E-07	9.05E-08	9.84E-04	3.11E-07	9.04E-08
1538	495311.06, 3858601.99	9.59E-04	3.03E-07	8.80E-08	9.78E-04	3.09E-07	8.98E-08	9.77E-04	3.08E-07	8.97E-08
1539	495361.06, 3858601.99	9.54E-04	3.01E-07	8.76E-08	9.74E-04	3.07E-07	8.94E-08	9.73E-04	3.07E-07	8.93E-08
1540	495411.06, 3858601.99	9.50E-04	3.00E-07	8.72E-08	9.70E-04	3.06E-07	8.90E-08	9.69E-04	3.06E-07	8.89E-08
1541	495461.06, 3858601.99	9.47E-04	2.99E-07	8.69E-08	9.66E-04	3.05E-07	8.87E-08	9.65E-04	3.05E-07	8.86E-08
1542	495511.06, 3858601.99	9.39E-04	2.96E-07	8.62E-08	9.58E-04	3.02E-07	8.80E-08	9.57E-04	3.02E-07	8.79E-08
1543	495561.06, 3858601.99	9.37E-04	2.96E-07	8.60E-08	9.56E-04	3.02E-07	8.78E-08	9.55E-04	3.01E-07	8.77E-08
1544	495611.06, 3858601.99	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.70E-08	9.46E-04	2.99E-07	8.68E-08
1545	495661.06, 3858601.99	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.66E-08	9.43E-04	2.98E-07	8.65E-08
1546	494311.06, 3858651.99	1.13E-03	3.55E-07	1.03E-07	1.15E-03	3.63E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07

1547	494361.06, 3858651.99	1.16E-03	3.67E-07	1.07E-07	1.19E-03	3.75E-07	1.09E-07	1.19E-03	3.74E-07	1.09E-07
1548	494411.06, 3858651.99	1.21E-03	3.83E-07	1.11E-07	1.24E-03	3.91E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
1549	494461.06, 3858651.99	1.23E-03	3.87E-07	1.13E-07	1.25E-03	3.95E-07	1.15E-07	1.25E-03	3.95E-07	1.15E-07
1550	494511.06, 3858651.99	1.22E-03	3.85E-07	1.12E-07	1.24E-03	3.93E-07	1.14E-07	1.24E-03	3.92E-07	1.14E-07
1551	494561.06, 3858651.99	1.21E-03	3.83E-07	1.11E-07	1.24E-03	3.91E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
1552	494611.06, 3858651.99	1.21E-03	3.81E-07	1.11E-07	1.23E-03	3.89E-07	1.13E-07	1.23E-03	3.88E-07	1.13E-07
1553	494661.06, 3858651.99	1.19E-03	3.77E-07	1.10E-07	1.22E-03	3.85E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
1554	494711.06, 3858651.99	1.18E-03	3.72E-07	1.08E-07	1.20E-03	3.80E-07	1.10E-07	1.20E-03	3.79E-07	1.10E-07
1555	494761.06, 3858651.99	1.17E-03	3.68E-07	1.07E-07	1.19E-03	3.75E-07	1.09E-07	1.19E-03	3.75E-07	1.09E-07
1556	494811.06, 3858651.99	1.15E-03	3.62E-07	1.05E-07	1.17E-03	3.69E-07	1.07E-07	1.17E-03	3.69E-07	1.07E-07
1557	494861.06, 3858651.99	1.13E-03	3.56E-07	1.04E-07	1.15E-03	3.63E-07	1.06E-07	1.15E-03	3.63E-07	1.06E-07
1558	494911.06, 3858651.99	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.56E-07	1.04E-07
1559	494961.06, 3858651.99	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
1560	495011.06, 3858651.99	1.08E-03	3.40E-07	9.88E-08	1.10E-03	3.46E-07	1.01E-07	1.10E-03	3.46E-07	1.01E-07
1561	495061.06, 3858651.99	1.06E-03	3.34E-07	9.73E-08	1.08E-03	3.41E-07	9.93E-08	1.08E-03	3.41E-07	9.91E-08
1562	495111.06, 3858651.99	1.04E-03	3.29E-07	9.56E-08	1.06E-03	3.35E-07	9.75E-08	1.06E-03	3.35E-07	9.74E-08
1563	495161.06, 3858651.99	1.03E-03	3.25E-07	9.45E-08	1.05E-03	3.31E-07	9.64E-08	1.05E-03	3.31E-07	9.63E-08
1564	495211.06, 3858651.99	1.01E-03	3.20E-07	9.31E-08	1.04E-03	3.27E-07	9.50E-08	1.03E-03	3.26E-07	9.49E-08
1565	495261.06, 3858651.99	1.01E-03	3.19E-07	9.27E-08	1.03E-03	3.25E-07	9.46E-08	1.03E-03	3.25E-07	9.45E-08
1566	495311.06, 3858651.99	1.00E-03	3.16E-07	9.20E-08	1.02E-03	3.23E-07	9.39E-08	1.02E-03	3.22E-07	9.38E-08
1567	495361.06, 3858651.99	9.97E-04	3.15E-07	9.15E-08	1.02E-03	3.21E-07	9.34E-08	1.02E-03	3.21E-07	9.33E-08
1568	495411.06, 3858651.99	9.93E-04	3.14E-07	9.12E-08	1.01E-03	3.20E-07	9.31E-08	1.01E-03	3.20E-07	9.29E-08
1569	495461.06, 3858651.99	9.92E-04	3.13E-07	9.10E-08	1.01E-03	3.19E-07	9.29E-08	1.01E-03	3.19E-07	9.28E-08
1570	495511.06, 3858651.99	9.82E-04	3.10E-07	9.02E-08	1.00E-03	3.16E-07	9.20E-08	1.00E-03	3.16E-07	9.19E-08
1571	495561.06, 3858651.99	9.75E-04	3.08E-07	8.95E-08	9.95E-04	3.14E-07	9.14E-08	9.94E-04	3.14E-07	9.13E-08
1572	495611.06, 3858651.99	9.65E-04	3.04E-07	8.86E-08	9.84E-04	3.11E-07	9.04E-08	9.83E-04	3.10E-07	9.03E-08
1573	495661.06, 3858651.99	9.61E-04	3.03E-07	8.82E-08	9.81E-04	3.09E-07	9.00E-08	9.79E-04	3.09E-07	8.99E-08
1574	494311.06, 3858701.99	1.18E-03	3.73E-07	1.08E-07	1.21E-03	3.80E-07	1.11E-07	1.20E-03	3.80E-07	1.11E-07
1575	494361.06, 3858701.99	1.24E-03	3.91E-07	1.14E-07	1.26E-03	3.99E-07	1.16E-07	1.26E-03	3.98E-07	1.16E-07
1576	494411.06, 3858701.99	1.27E-03	4.02E-07	1.17E-07	1.30E-03	4.11E-07	1.19E-07	1.30E-03	4.10E-07	1.19E-07
1577	494461.06, 3858701.99	1.27E-03	4.02E-07	1.17E-07	1.30E-03	4.10E-07	1.19E-07	1.30E-03	4.10E-07	1.19E-07
1578	494511.06, 3858701.99	1.28E-03	4.04E-07	1.18E-07	1.31E-03	4.12E-07	1.20E-07	1.31E-03	4.12E-07	1.20E-07
1579	494561.06, 3858701.99	1.27E-03	4.02E-07	1.17E-07	1.30E-03	4.10E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
1580	494611.06, 3858701.99	1.25E-03	3.95E-07	1.15E-07	1.28E-03	4.03E-07	1.17E-07	1.28E-03	4.03E-07	1.17E-07
1581	494661.06, 3858701.99	1.25E-03	3.94E-07	1.15E-07	1.28E-03	4.02E-07	1.17E-07	1.27E-03	4.02E-07	1.17E-07
1582	494711.06, 3858701.99	1.20E-03	3.80E-07	1.11E-07	1.23E-03	3.88E-07	1.13E-07	1.23E-03	3.88E-07	1.13E-07
1583	494761.06, 3858701.99	1.21E-03	3.83E-07	1.11E-07	1.24E-03	3.91E-07	1.14E-07	1.24E-03	3.90E-07	1.13E-07
1584	494811.06, 3858701.99	1.19E-03	3.76E-07	1.09E-07	1.22E-03	3.84E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
1585	494861.06, 3858701.99	1.18E-03	3.71E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.78E-07	1.10E-07
1586	494911.06, 3858701.99	1.16E-03	3.66E-07	1.07E-07	1.18E-03	3.74E-07	1.09E-07	1.18E-03	3.73E-07	1.09E-07
1587	494961.06, 3858701.99	1.13E-03	3.57E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
1588	495011.06, 3858701.99	1.11E-03	3.52E-07	1.02E-07	1.14E-03	3.59E-07	1.04E-07	1.14E-03	3.58E-07	1.04E-07
1589	495061.06, 3858701.99	1.11E-03	3.49E-07	1.01E-07	1.13E-03	3.56E-07	1.04E-07	1.13E-03	3.56E-07	1.03E-07
1590	495111.06, 3858701.99	1.08E-03	3.42E-07	9.95E-08	1.11E-03	3.49E-07	1.02E-07	1.11E-03	3.49E-07	1.01E-07
1591	495161.06, 3858701.99	1.07E-03	3.39E-07	9.85E-08	1.10E-03	3.46E-07	1.01E-07	1.09E-03	3.45E-07	1.00E-07
1592	495211.06, 3858701.99	1.06E-03	3.34E-07	9.71E-08	1.08E-03	3.41E-07	9.91E-08	1.08E-03	3.40E-07	9.90E-08
1593	495261.06, 3858701.99	1.05E-03	3.33E-07	9.67E-08	1.08E-03	3.39E-07	9.87E-08	1.07E-03	3.39E-07	9.86E-08
1594	495311.06, 3858701.99	1.05E-03	3.31E-07	9.63E-08	1.07E-03	3.38E-07	9.83E-08	1.07E-03	3.37E-07	9.82E-08
1595	495361.06, 3858701.99	1.04E-03	3.29E-07	9.57E-08	1.06E-03	3.36E-07	9.76E-08	1.06E-03	3.35E-07	9.75E-08
1596	495411.06, 3858701.99	1.04E-03	3.28E-07	9.54E-08	1.06E-03	3.35E-07	9.74E-08	1.06E-03	3.34E-07	9.72E-08
1597	495461.06, 3858701.99	1.03E-03	3.26E-07	9.49E-08	1.05E-03	3.33E-07	9.68E-08	1.05E-03	3.33E-07	9.67E-08
1598	495511.06, 3858701.99	1.03E-03	3.24E-07	9.42E-08	1.05E-03	3.30E-07	9.61E-08	1.05E-03	3.30E-07	9.60E-08
1599	495561.06, 3858701.99	1.02E-03	3.21E-07	9.33E-08	1.04E-03	3.27E-07	9.52E-08	1.04E-03	3.27E-07	9.51E-08
1600	495611.06, 3858701.99	1.01E-03	3.18E-07	9.24E-08	1.03E-03	3.24E-07	9.43E-08	1.03E-03	3.24E-07	9.42E-08
1601	495661.06, 3858701.99	1.00E-03	3.16E-07	9.18E-08	1.02E-03	3.22E-07	9.37E-08	1.02E-03	3.22E-07	9.35E-08
1602	494311.06, 3858751.99	1.24E-03	3.91E-07	1.14E-07	1.26E-03	3.99E-07	1.16E-07	1.26E-03	3.99E-07	1.16E-07
1603	494361.06, 3858751.99	1.31E-03	4.14E-07	1.20E-07	1.34E-03	4.22E-07	1.23E-07	1.34E-03	4.22E-07	1.23E-07
1604	494411.06, 3858751.99	1.34E-03	4.23E-07	1.23E-07	1.37E-03	4.32E-07	1.26E-07	1.37E-03	4.31E-07	1.25E-07
1605	494461.06, 3858751.99	1.34E-03	4.23E-07	1.23E-07	1.37E-03	4.32E-07	1.26E-07	1.37E-03	4.31E-07	1.25E-07
1606	494511.06, 3858751.99	1.35E-03	4.26E-07	1.24E-07	1.38E-03	4.35E-07	1.26E-07	1.38E-03	4.34E-07	1.26E-07
1607	494561.06, 3858751.99	1.33E-03	4.20E-07	1.22E-07	1.36E-03	4.28E-07	1.25E-07	1.35E-03	4.28E-07	1.24E-07
1608	494611.06, 3858751.99	1.31E-03	4.14E-07	1.21E-07	1.34E-03	4.23E-07	1.23E-07	1.34E-03	4.22E-07	1.23E-07

1609	494661.06, 3858751.99	1.30E-03	4.09E-07	1.19E-07	1.32E-03	4.18E-07	1.22E-07	1.32E-03	4.17E-07	1.21E-07
1610	494711.06, 3858751.99	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.29E-03	4.09E-07	1.19E-07
1611	494761.06, 3858751.99	1.27E-03	4.00E-07	1.16E-07	1.29E-03	4.08E-07	1.19E-07	1.29E-03	4.08E-07	1.19E-07
1612	494811.06, 3858751.99	1.24E-03	3.93E-07	1.14E-07	1.27E-03	4.01E-07	1.17E-07	1.27E-03	4.00E-07	1.16E-07
1613	494861.06, 3858751.99	1.22E-03	3.86E-07	1.12E-07	1.25E-03	3.94E-07	1.15E-07	1.25E-03	3.93E-07	1.14E-07
1614	494911.06, 3858751.99	1.20E-03	3.79E-07	1.10E-07	1.22E-03	3.86E-07	1.12E-07	1.22E-03	3.86E-07	1.12E-07
1615	494961.06, 3858751.99	1.18E-03	3.73E-07	1.09E-07	1.21E-03	3.81E-07	1.11E-07	1.21E-03	3.80E-07	1.11E-07
1616	495011.06, 3858751.99	1.17E-03	3.69E-07	1.07E-07	1.19E-03	3.77E-07	1.10E-07	1.19E-03	3.76E-07	1.10E-07
1617	495061.06, 3858751.99	1.15E-03	3.64E-07	1.06E-07	1.18E-03	3.71E-07	1.08E-07	1.17E-03	3.71E-07	1.08E-07
1618	495111.06, 3858751.99	1.13E-03	3.57E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
1619	495161.06, 3858751.99	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.61E-07	1.05E-07	1.14E-03	3.60E-07	1.05E-07
1620	495211.06, 3858751.99	1.10E-03	3.48E-07	1.01E-07	1.13E-03	3.56E-07	1.03E-07	1.13E-03	3.55E-07	1.03E-07
1621	495261.06, 3858751.99	1.10E-03	3.47E-07	1.01E-07	1.12E-03	3.54E-07	1.03E-07	1.12E-03	3.53E-07	1.03E-07
1622	495311.06, 3858751.99	1.09E-03	3.45E-07	1.00E-07	1.12E-03	3.52E-07	1.02E-07	1.11E-03	3.52E-07	1.02E-07
1623	495361.06, 3858751.99	1.09E-03	3.43E-07	9.97E-08	1.11E-03	3.50E-07	1.02E-07	1.11E-03	3.49E-07	1.02E-07
1624	495411.06, 3858751.99	1.08E-03	3.42E-07	9.95E-08	1.11E-03	3.49E-07	1.02E-07	1.11E-03	3.49E-07	1.01E-07
1625	495461.06, 3858751.99	1.08E-03	3.40E-07	9.90E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
1626	495511.06, 3858751.99	1.07E-03	3.37E-07	9.82E-08	1.09E-03	3.44E-07	1.00E-07	1.09E-03	3.44E-07	1.00E-07
1627	495561.06, 3858751.99	1.06E-03	3.34E-07	9.73E-08	1.08E-03	3.41E-07	9.93E-08	1.08E-03	3.41E-07	9.91E-08
1628	495611.06, 3858751.99	1.05E-03	3.31E-07	9.64E-08	1.07E-03	3.38E-07	9.83E-08	1.07E-03	3.38E-07	9.82E-08
1629	495661.06, 3858751.99	1.04E-03	3.29E-07	9.56E-08	1.06E-03	3.35E-07	9.76E-08	1.06E-03	3.35E-07	9.74E-08
1630	494311.06, 3858801.99	1.32E-03	4.15E-07	1.21E-07	1.34E-03	4.24E-07	1.23E-07	1.34E-03	4.23E-07	1.23E-07
1631	494361.06, 3858801.99	1.38E-03	4.37E-07	1.27E-07	1.41E-03	4.46E-07	1.30E-07	1.41E-03	4.45E-07	1.30E-07
1632	494411.06, 3858801.99	1.40E-03	4.42E-07	1.28E-07	1.43E-03	4.51E-07	1.31E-07	1.43E-03	4.50E-07	1.31E-07
1633	494461.06, 3858801.99	1.41E-03	4.44E-07	1.29E-07	1.43E-03	4.53E-07	1.32E-07	1.43E-03	4.52E-07	1.32E-07
1634	494511.06, 3858801.99	1.42E-03	4.47E-07	1.30E-07	1.45E-03	4.57E-07	1.33E-07	1.44E-03	4.56E-07	1.33E-07
1635	494561.06, 3858801.99	1.41E-03	4.45E-07	1.29E-07	1.44E-03	4.54E-07	1.32E-07	1.44E-03	4.54E-07	1.32E-07
1636	494611.06, 3858801.99	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.42E-03	4.49E-07	1.31E-07
1637	494661.06, 3858801.99	1.38E-03	4.34E-07	1.26E-07	1.40E-03	4.43E-07	1.29E-07	1.40E-03	4.42E-07	1.29E-07
1638	494711.06, 3858801.99	1.35E-03	4.26E-07	1.24E-07	1.38E-03	4.35E-07	1.26E-07	1.38E-03	4.34E-07	1.26E-07
1639	494761.06, 3858801.99	1.32E-03	4.17E-07	1.21E-07	1.35E-03	4.26E-07	1.24E-07	1.35E-03	4.25E-07	1.24E-07
1640	494811.06, 3858801.99	1.29E-03	4.08E-07	1.19E-07	1.32E-03	4.16E-07	1.21E-07	1.32E-03	4.16E-07	1.21E-07
1641	494861.06, 3858801.99	1.28E-03	4.03E-07	1.17E-07	1.30E-03	4.11E-07	1.19E-07	1.30E-03	4.10E-07	1.19E-07
1642	494911.06, 3858801.99	1.25E-03	3.95E-07	1.15E-07	1.28E-03	4.03E-07	1.17E-07	1.28E-03	4.03E-07	1.17E-07
1643	494961.06, 3858801.99	1.23E-03	3.89E-07	1.13E-07	1.26E-03	3.97E-07	1.16E-07	1.26E-03	3.97E-07	1.15E-07
1644	495011.06, 3858801.99	1.21E-03	3.83E-07	1.12E-07	1.24E-03	3.91E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
1645	495061.06, 3858801.99	1.20E-03	3.79E-07	1.10E-07	1.23E-03	3.87E-07	1.13E-07	1.23E-03	3.87E-07	1.12E-07
1646	495111.06, 3858801.99	1.18E-03	3.72E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.79E-07	1.10E-07
1647	495161.06, 3858801.99	1.16E-03	3.66E-07	1.07E-07	1.18E-03	3.74E-07	1.09E-07	1.18E-03	3.73E-07	1.09E-07
1648	495211.06, 3858801.99	1.15E-03	3.63E-07	1.06E-07	1.17E-03	3.70E-07	1.08E-07	1.17E-03	3.70E-07	1.08E-07
1649	495261.06, 3858801.99	1.14E-03	3.61E-07	1.05E-07	1.17E-03	3.68E-07	1.07E-07	1.17E-03	3.68E-07	1.07E-07
1650	495311.06, 3858801.99	1.14E-03	3.60E-07	1.05E-07	1.16E-03	3.67E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
1651	495361.06, 3858801.99	1.13E-03	3.57E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
1652	495411.06, 3858801.99	1.13E-03	3.57E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
1653	495461.06, 3858801.99	1.12E-03	3.55E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07
1654	495511.06, 3858801.99	1.11E-03	3.52E-07	1.02E-07	1.14E-03	3.59E-07	1.04E-07	1.14E-03	3.58E-07	1.04E-07
1655	495561.06, 3858801.99	1.10E-03	3.49E-07	1.01E-07	1.13E-03	3.56E-07	1.03E-07	1.13E-03	3.55E-07	1.03E-07
1656	495611.06, 3858801.99	1.09E-03	3.45E-07	1.00E-07	1.11E-03	3.52E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
1657	495661.06, 3858801.99	1.08E-03	3.42E-07	9.96E-08	1.11E-03	3.49E-07	1.02E-07	1.11E-03	3.49E-07	1.02E-07
1658	494311.06, 3858851.99	1.44E-03	4.56E-07	1.33E-07	1.47E-03	4.65E-07	1.35E-07	1.47E-03	4.64E-07	1.35E-07
1659	494361.06, 3858851.99	1.48E-03	4.69E-07	1.36E-07	1.52E-03	4.78E-07	1.39E-07	1.51E-03	4.78E-07	1.39E-07
1660	494411.06, 3858851.99	1.48E-03	4.67E-07	1.36E-07	1.51E-03	4.76E-07	1.39E-07	1.51E-03	4.76E-07	1.38E-07
1661	494461.06, 3858851.99	1.48E-03	4.67E-07	1.36E-07	1.51E-03	4.76E-07	1.39E-07	1.51E-03	4.76E-07	1.38E-07
1662	494511.06, 3858851.99	1.49E-03	4.69E-07	1.36E-07	1.52E-03	4.78E-07	1.39E-07	1.51E-03	4.78E-07	1.39E-07
1663	494561.06, 3858851.99	1.48E-03	4.66E-07	1.35E-07	1.51E-03	4.75E-07	1.38E-07	1.50E-03	4.75E-07	1.38E-07
1664	494611.06, 3858851.99	1.46E-03	4.60E-07	1.34E-07	1.49E-03	4.69E-07	1.37E-07	1.49E-03	4.69E-07	1.36E-07
1665	494661.06, 3858851.99	1.44E-03	4.53E-07	1.32E-07	1.46E-03	4.62E-07	1.34E-07	1.46E-03	4.62E-07	1.34E-07
1666	494711.06, 3858851.99	1.40E-03	4.43E-07	1.29E-07	1.43E-03	4.52E-07	1.31E-07	1.43E-03	4.51E-07	1.31E-07
1667	494761.06, 3858851.99	1.37E-03	4.33E-07	1.26E-07	1.40E-03	4.42E-07	1.29E-07	1.40E-03	4.42E-07	1.29E-07
1668	494811.06, 3858851.99	1.35E-03	4.26E-07	1.24E-07	1.38E-03	4.34E-07	1.26E-07	1.37E-03	4.34E-07	1.26E-07
1669	494861.06, 3858851.99	1.33E-03	4.20E-07	1.22E-07	1.36E-03	4.29E-07	1.25E-07	1.36E-03	4.28E-07	1.25E-07
1670	494911.06, 3858851.99	1.31E-03	4.13E-07	1.20E-07	1.34E-03	4.21E-07	1.23E-07	1.33E-03	4.21E-07	1.22E-07

1671	494961.06, 3858851.99	1.29E-03	4.07E-07	1.18E-07	1.31E-03	4.15E-07	1.21E-07	1.31E-03	4.14E-07	1.21E-07
1672	495011.06, 3858851.99	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
1673	495061.06, 3858851.99	1.25E-03	3.95E-07	1.15E-07	1.28E-03	4.03E-07	1.17E-07	1.28E-03	4.03E-07	1.17E-07
1674	495111.06, 3858851.99	1.22E-03	3.85E-07	1.12E-07	1.24E-03	3.93E-07	1.14E-07	1.24E-03	3.92E-07	1.14E-07
1675	495161.06, 3858851.99	1.20E-03	3.79E-07	1.10E-07	1.23E-03	3.87E-07	1.12E-07	1.22E-03	3.86E-07	1.12E-07
1676	495211.06, 3858851.99	1.20E-03	3.78E-07	1.10E-07	1.22E-03	3.86E-07	1.12E-07	1.22E-03	3.86E-07	1.12E-07
1677	495261.06, 3858851.99	1.19E-03	3.76E-07	1.09E-07	1.22E-03	3.84E-07	1.12E-07	1.21E-03	3.83E-07	1.12E-07
1678	495311.06, 3858851.99	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.83E-07	1.11E-07	1.21E-03	3.82E-07	1.11E-07
1679	495361.06, 3858851.99	1.18E-03	3.73E-07	1.09E-07	1.21E-03	3.81E-07	1.11E-07	1.20E-03	3.80E-07	1.11E-07
1680	495411.06, 3858851.99	1.18E-03	3.71E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.78E-07	1.10E-07
1681	495461.06, 3858851.99	1.17E-03	3.70E-07	1.08E-07	1.19E-03	3.77E-07	1.10E-07	1.19E-03	3.77E-07	1.10E-07
1682	495511.06, 3858851.99	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.73E-07	1.09E-07	1.18E-03	3.73E-07	1.08E-07
1683	495561.06, 3858851.99	1.15E-03	3.61E-07	1.05E-07	1.17E-03	3.69E-07	1.07E-07	1.17E-03	3.68E-07	1.07E-07
1684	495611.06, 3858851.99	1.13E-03	3.57E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
1685	495661.06, 3858851.99	1.13E-03	3.55E-07	1.03E-07	1.15E-03	3.63E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07
1686	494311.06, 3858901.99	1.53E-03	4.83E-07	1.41E-07	1.56E-03	4.93E-07	1.43E-07	1.56E-03	4.93E-07	1.43E-07
1687	494361.06, 3858901.99	1.56E-03	4.93E-07	1.43E-07	1.59E-03	5.03E-07	1.46E-07	1.59E-03	5.03E-07	1.46E-07
1688	494411.06, 3858901.99	1.56E-03	4.93E-07	1.43E-07	1.59E-03	5.03E-07	1.46E-07	1.59E-03	5.03E-07	1.46E-07
1689	494461.06, 3858901.99	1.57E-03	4.97E-07	1.44E-07	1.61E-03	5.07E-07	1.47E-07	1.60E-03	5.06E-07	1.47E-07
1690	494511.06, 3858901.99	1.57E-03	4.95E-07	1.44E-07	1.60E-03	5.05E-07	1.47E-07	1.60E-03	5.05E-07	1.47E-07
1691	494561.06, 3858901.99	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
1692	494611.06, 3858901.99	1.52E-03	4.78E-07	1.39E-07	1.55E-03	4.88E-07	1.42E-07	1.54E-03	4.87E-07	1.42E-07
1693	494661.06, 3858901.99	1.50E-03	4.72E-07	1.37E-07	1.53E-03	4.82E-07	1.40E-07	1.52E-03	4.81E-07	1.40E-07
1694	494711.06, 3858901.99	1.47E-03	4.62E-07	1.34E-07	1.49E-03	4.72E-07	1.37E-07	1.49E-03	4.71E-07	1.37E-07
1695	494761.06, 3858901.99	1.43E-03	4.51E-07	1.31E-07	1.46E-03	4.60E-07	1.34E-07	1.46E-03	4.60E-07	1.34E-07
1696	494811.06, 3858901.99	1.41E-03	4.44E-07	1.29E-07	1.44E-03	4.53E-07	1.32E-07	1.43E-03	4.53E-07	1.32E-07
1697	494861.06, 3858901.99	1.39E-03	4.39E-07	1.28E-07	1.42E-03	4.48E-07	1.30E-07	1.42E-03	4.47E-07	1.30E-07
1698	494911.06, 3858901.99	1.36E-03	4.28E-07	1.25E-07	1.39E-03	4.37E-07	1.27E-07	1.38E-03	4.37E-07	1.27E-07
1699	494961.06, 3858901.99	1.34E-03	4.22E-07	1.23E-07	1.37E-03	4.31E-07	1.25E-07	1.36E-03	4.30E-07	1.25E-07
1700	495011.06, 3858901.99	1.32E-03	4.16E-07	1.21E-07	1.35E-03	4.25E-07	1.24E-07	1.34E-03	4.24E-07	1.23E-07
1701	495061.06, 3858901.99	1.29E-03	4.08E-07	1.19E-07	1.32E-03	4.17E-07	1.21E-07	1.32E-03	4.16E-07	1.21E-07
1702	495111.06, 3858901.99	1.26E-03	3.97E-07	1.16E-07	1.28E-03	4.05E-07	1.18E-07	1.28E-03	4.05E-07	1.18E-07
1703	495161.06, 3858901.99	1.25E-03	3.93E-07	1.14E-07	1.27E-03	4.01E-07	1.17E-07	1.27E-03	4.01E-07	1.17E-07
1704	495211.06, 3858901.99	1.25E-03	3.94E-07	1.15E-07	1.27E-03	4.02E-07	1.17E-07	1.27E-03	4.02E-07	1.17E-07
1705	495261.06, 3858901.99	1.24E-03	3.92E-07	1.14E-07	1.27E-03	4.00E-07	1.16E-07	1.27E-03	4.00E-07	1.16E-07
1706	495311.06, 3858901.99	1.24E-03	3.90E-07	1.13E-07	1.26E-03	3.98E-07	1.16E-07	1.26E-03	3.97E-07	1.16E-07
1707	495361.06, 3858901.99	1.23E-03	3.88E-07	1.13E-07	1.25E-03	3.96E-07	1.15E-07	1.25E-03	3.95E-07	1.15E-07
1708	495411.06, 3858901.99	1.23E-03	3.87E-07	1.13E-07	1.25E-03	3.95E-07	1.15E-07	1.25E-03	3.94E-07	1.15E-07
1709	495461.06, 3858901.99	1.22E-03	3.84E-07	1.12E-07	1.24E-03	3.92E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
1710	495511.06, 3858901.99	1.20E-03	3.79E-07	1.10E-07	1.23E-03	3.87E-07	1.13E-07	1.23E-03	3.87E-07	1.12E-07
1711	495561.06, 3858901.99	1.19E-03	3.76E-07	1.09E-07	1.21E-03	3.83E-07	1.12E-07	1.21E-03	3.83E-07	1.11E-07
1712	495611.06, 3858901.99	1.18E-03	3.71E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.78E-07	1.10E-07
1713	495661.06, 3858901.99	1.17E-03	3.70E-07	1.08E-07	1.19E-03	3.77E-07	1.10E-07	1.19E-03	3.77E-07	1.10E-07
1714	494311.06, 3858951.99	1.65E-03	5.19E-07	1.51E-07	1.68E-03	5.30E-07	1.54E-07	1.68E-03	5.29E-07	1.54E-07
1715	494361.06, 3858951.99	1.66E-03	5.23E-07	1.52E-07	1.69E-03	5.33E-07	1.55E-07	1.69E-03	5.33E-07	1.55E-07
1716	494411.06, 3858951.99	1.64E-03	5.18E-07	1.51E-07	1.67E-03	5.28E-07	1.54E-07	1.67E-03	5.27E-07	1.53E-07
1717	494461.06, 3858951.99	1.65E-03	5.22E-07	1.52E-07	1.69E-03	5.32E-07	1.55E-07	1.68E-03	5.32E-07	1.55E-07
1718	494511.06, 3858951.99	1.64E-03	5.18E-07	1.51E-07	1.67E-03	5.28E-07	1.54E-07	1.67E-03	5.28E-07	1.53E-07
1719	494561.06, 3858951.99	1.62E-03	5.11E-07	1.49E-07	1.65E-03	5.21E-07	1.52E-07	1.65E-03	5.21E-07	1.51E-07
1720	494611.06, 3858951.99	1.59E-03	5.01E-07	1.46E-07	1.62E-03	5.11E-07	1.49E-07	1.62E-03	5.11E-07	1.49E-07
1721	494661.06, 3858951.99	1.56E-03	4.92E-07	1.43E-07	1.59E-03	5.02E-07	1.46E-07	1.59E-03	5.02E-07	1.46E-07
1722	494711.06, 3858951.99	1.52E-03	4.80E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.89E-07	1.42E-07
1723	494761.06, 3858951.99	1.49E-03	4.71E-07	1.37E-07	1.52E-03	4.81E-07	1.40E-07	1.52E-03	4.80E-07	1.40E-07
1724	494811.06, 3858951.99	1.47E-03	4.65E-07	1.35E-07	1.50E-03	4.74E-07	1.38E-07	1.50E-03	4.74E-07	1.38E-07
1725	494861.06, 3858951.99	1.45E-03	4.58E-07	1.33E-07	1.48E-03	4.68E-07	1.36E-07	1.48E-03	4.67E-07	1.36E-07
1726	494911.06, 3858951.99	1.42E-03	4.49E-07	1.31E-07	1.45E-03	4.58E-07	1.33E-07	1.45E-03	4.58E-07	1.33E-07
1727	494961.06, 3858951.99	1.41E-03	4.44E-07	1.29E-07	1.44E-03	4.53E-07	1.32E-07	1.43E-03	4.53E-07	1.32E-07
1728	495011.06, 3858951.99	1.37E-03	4.31E-07	1.25E-07	1.39E-03	4.40E-07	1.28E-07	1.39E-03	4.40E-07	1.28E-07
1729	495061.06, 3858951.99	1.33E-03	4.19E-07	1.22E-07	1.36E-03	4.28E-07	1.24E-07	1.35E-03	4.27E-07	1.24E-07
1730	495111.06, 3858951.99	1.30E-03	4.10E-07	1.19E-07	1.33E-03	4.18E-07	1.22E-07	1.32E-03	4.18E-07	1.22E-07
1731	495161.06, 3858951.99	1.31E-03	4.12E-07	1.20E-07	1.33E-03	4.21E-07	1.22E-07	1.33E-03	4.20E-07	1.22E-07
1732	495211.06, 3858951.99	1.30E-03	4.11E-07	1.19E-07	1.33E-03	4.19E-07	1.22E-07	1.33E-03	4.18E-07	1.22E-07

1733	495261.06, 3858951.99	1.30E-03	4.09E-07	1.19E-07	1.32E-03	4.17E-07	1.21E-07	1.32E-03	4.17E-07	1.21E-07
1734	495311.06, 3858951.99	1.28E-03	4.04E-07	1.17E-07	1.30E-03	4.12E-07	1.20E-07	1.30E-03	4.11E-07	1.20E-07
1735	495361.06, 3858951.99	1.27E-03	4.02E-07	1.17E-07	1.30E-03	4.11E-07	1.19E-07	1.30E-03	4.10E-07	1.19E-07
1736	495411.06, 3858951.99	1.27E-03	4.02E-07	1.17E-07	1.30E-03	4.10E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
1737	495461.06, 3858951.99	1.26E-03	3.99E-07	1.16E-07	1.29E-03	4.07E-07	1.18E-07	1.29E-03	4.06E-07	1.18E-07
1738	495511.06, 3858951.99	1.26E-03	3.97E-07	1.16E-07	1.28E-03	4.05E-07	1.18E-07	1.28E-03	4.05E-07	1.18E-07
1739	495561.06, 3858951.99	1.24E-03	3.90E-07	1.14E-07	1.26E-03	3.98E-07	1.16E-07	1.26E-03	3.98E-07	1.16E-07
1740	495611.06, 3858951.99	1.22E-03	3.86E-07	1.12E-07	1.25E-03	3.94E-07	1.14E-07	1.25E-03	3.93E-07	1.14E-07
1741	495661.06, 3858951.99	1.22E-03	3.84E-07	1.12E-07	1.24E-03	3.92E-07	1.14E-07	1.24E-03	3.92E-07	1.14E-07
1742	494311.06, 3859001.99	1.75E-03	5.52E-07	1.61E-07	1.78E-03	5.63E-07	1.64E-07	1.78E-03	5.63E-07	1.64E-07
1743	494361.06, 3859001.99	1.74E-03	5.50E-07	1.60E-07	1.78E-03	5.61E-07	1.63E-07	1.78E-03	5.60E-07	1.63E-07
1744	494411.06, 3859001.99	1.75E-03	5.51E-07	1.60E-07	1.78E-03	5.63E-07	1.64E-07	1.78E-03	5.62E-07	1.63E-07
1745	494461.06, 3859001.99	1.73E-03	5.47E-07	1.59E-07	1.77E-03	5.58E-07	1.62E-07	1.77E-03	5.58E-07	1.62E-07
1746	494511.06, 3859001.99	1.72E-03	5.43E-07	1.58E-07	1.76E-03	5.54E-07	1.61E-07	1.75E-03	5.53E-07	1.61E-07
1747	494561.06, 3859001.99	1.69E-03	5.33E-07	1.55E-07	1.72E-03	5.44E-07	1.58E-07	1.72E-03	5.43E-07	1.58E-07
1748	494611.06, 3859001.99	1.66E-03	5.23E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.33E-07	1.55E-07
1749	494661.06, 3859001.99	1.62E-03	5.12E-07	1.49E-07	1.66E-03	5.23E-07	1.52E-07	1.65E-03	5.22E-07	1.52E-07
1750	494711.06, 3859001.99	1.58E-03	5.00E-07	1.45E-07	1.61E-03	5.10E-07	1.48E-07	1.61E-03	5.09E-07	1.48E-07
1751	494761.06, 3859001.99	1.56E-03	4.92E-07	1.43E-07	1.59E-03	5.02E-07	1.46E-07	1.59E-03	5.01E-07	1.46E-07
1752	494811.06, 3859001.99	1.54E-03	4.86E-07	1.41E-07	1.57E-03	4.96E-07	1.44E-07	1.57E-03	4.96E-07	1.44E-07
1753	494861.06, 3859001.99	1.51E-03	4.78E-07	1.39E-07	1.54E-03	4.88E-07	1.42E-07	1.54E-03	4.87E-07	1.42E-07
1754	494911.06, 3859001.99	1.49E-03	4.69E-07	1.36E-07	1.52E-03	4.78E-07	1.39E-07	1.51E-03	4.78E-07	1.39E-07
1755	494961.06, 3859001.99	1.46E-03	4.60E-07	1.34E-07	1.49E-03	4.69E-07	1.37E-07	1.49E-03	4.69E-07	1.36E-07
1756	495011.06, 3859001.99	1.39E-03	4.39E-07	1.28E-07	1.42E-03	4.48E-07	1.30E-07	1.42E-03	4.47E-07	1.30E-07
1757	495061.06, 3859001.99	1.37E-03	4.34E-07	1.26E-07	1.40E-03	4.43E-07	1.29E-07	1.40E-03	4.42E-07	1.29E-07
1758	495111.06, 3859001.99	1.34E-03	4.24E-07	1.23E-07	1.37E-03	4.33E-07	1.26E-07	1.37E-03	4.33E-07	1.26E-07
1759	495161.06, 3859001.99	1.36E-03	4.29E-07	1.25E-07	1.39E-03	4.38E-07	1.27E-07	1.39E-03	4.37E-07	1.27E-07
1760	495211.06, 3859001.99	1.35E-03	4.26E-07	1.24E-07	1.38E-03	4.35E-07	1.26E-07	1.38E-03	4.34E-07	1.26E-07
1761	495261.06, 3859001.99	1.35E-03	4.25E-07	1.24E-07	1.37E-03	4.33E-07	1.26E-07	1.37E-03	4.33E-07	1.26E-07
1762	495311.06, 3859001.99	1.33E-03	4.21E-07	1.23E-07	1.36E-03	4.30E-07	1.25E-07	1.36E-03	4.29E-07	1.25E-07
1763	495361.06, 3859001.99	1.33E-03	4.20E-07	1.22E-07	1.36E-03	4.28E-07	1.25E-07	1.35E-03	4.28E-07	1.24E-07
1764	495411.06, 3859001.99	1.32E-03	4.17E-07	1.21E-07	1.35E-03	4.25E-07	1.24E-07	1.35E-03	4.25E-07	1.24E-07
1765	495461.06, 3859001.99	1.31E-03	4.15E-07	1.21E-07	1.34E-03	4.23E-07	1.23E-07	1.34E-03	4.23E-07	1.23E-07
1766	495511.06, 3859001.99	1.30E-03	4.09E-07	1.19E-07	1.32E-03	4.17E-07	1.21E-07	1.32E-03	4.17E-07	1.21E-07
1767	495561.06, 3859001.99	1.28E-03	4.05E-07	1.18E-07	1.31E-03	4.13E-07	1.20E-07	1.31E-03	4.13E-07	1.20E-07
1768	495611.06, 3859001.99	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.29E-03	4.08E-07	1.19E-07
1769	495661.06, 3859001.99	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
1770	494311.06, 3859051.99	1.85E-03	5.83E-07	1.70E-07	1.89E-03	5.95E-07	1.73E-07	1.88E-03	5.95E-07	1.73E-07
1771	494361.06, 3859051.99	1.86E-03	5.86E-07	1.71E-07	1.90E-03	5.98E-07	1.74E-07	1.89E-03	5.98E-07	1.74E-07
1772	494411.06, 3859051.99	1.84E-03	5.80E-07	1.69E-07	1.88E-03	5.92E-07	1.72E-07	1.87E-03	5.91E-07	1.72E-07
1773	494461.06, 3859051.99	1.81E-03	5.73E-07	1.67E-07	1.85E-03	5.84E-07	1.70E-07	1.85E-03	5.84E-07	1.70E-07
1774	494511.06, 3859051.99	1.78E-03	5.63E-07	1.64E-07	1.82E-03	5.75E-07	1.67E-07	1.82E-03	5.74E-07	1.67E-07
1775	494561.06, 3859051.99	1.76E-03	5.55E-07	1.61E-07	1.80E-03	5.67E-07	1.65E-07	1.79E-03	5.66E-07	1.65E-07
1776	494611.06, 3859051.99	1.73E-03	5.45E-07	1.58E-07	1.76E-03	5.56E-07	1.62E-07	1.76E-03	5.55E-07	1.62E-07
1777	494661.06, 3859051.99	1.69E-03	5.34E-07	1.55E-07	1.73E-03	5.45E-07	1.58E-07	1.72E-03	5.44E-07	1.58E-07
1778	494711.06, 3859051.99	1.66E-03	5.24E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.34E-07	1.55E-07
1779	494761.06, 3859051.99	1.63E-03	5.13E-07	1.49E-07	1.66E-03	5.24E-07	1.52E-07	1.66E-03	5.23E-07	1.52E-07
1780	494811.06, 3859051.99	1.60E-03	5.06E-07	1.47E-07	1.64E-03	5.16E-07	1.50E-07	1.63E-03	5.15E-07	1.50E-07
1781	494861.06, 3859051.99	1.58E-03	4.98E-07	1.45E-07	1.61E-03	5.08E-07	1.48E-07	1.61E-03	5.08E-07	1.48E-07
1782	494911.06, 3859051.99	1.54E-03	4.87E-07	1.42E-07	1.57E-03	4.97E-07	1.45E-07	1.57E-03	4.96E-07	1.44E-07
1783	494961.06, 3859051.99	1.49E-03	4.71E-07	1.37E-07	1.52E-03	4.81E-07	1.40E-07	1.52E-03	4.80E-07	1.40E-07
1784	495011.06, 3859051.99	1.46E-03	4.60E-07	1.34E-07	1.49E-03	4.69E-07	1.36E-07	1.48E-03	4.68E-07	1.36E-07
1785	495061.06, 3859051.99	1.43E-03	4.52E-07	1.31E-07	1.46E-03	4.61E-07	1.34E-07	1.46E-03	4.60E-07	1.34E-07
1786	495111.06, 3859051.99	1.41E-03	4.46E-07	1.30E-07	1.44E-03	4.56E-07	1.33E-07	1.44E-03	4.55E-07	1.32E-07
1787	495161.06, 3859051.99	1.42E-03	4.48E-07	1.30E-07	1.45E-03	4.57E-07	1.33E-07	1.45E-03	4.57E-07	1.33E-07
1788	495211.06, 3859051.99	1.40E-03	4.42E-07	1.29E-07	1.43E-03	4.51E-07	1.31E-07	1.43E-03	4.51E-07	1.31E-07
1789	495261.06, 3859051.99	1.40E-03	4.42E-07	1.29E-07	1.43E-03	4.51E-07	1.31E-07	1.43E-03	4.51E-07	1.31E-07
1790	495311.06, 3859051.99	1.39E-03	4.38E-07	1.27E-07	1.42E-03	4.47E-07	1.30E-07	1.41E-03	4.46E-07	1.30E-07
1791	495361.06, 3859051.99	1.38E-03	4.35E-07	1.27E-07	1.41E-03	4.44E-07	1.29E-07	1.41E-03	4.44E-07	1.29E-07
1792	495411.06, 3859051.99	1.37E-03	4.34E-07	1.26E-07	1.40E-03	4.43E-07	1.29E-07	1.40E-03	4.42E-07	1.29E-07
1793	495461.06, 3859051.99	1.37E-03	4.32E-07	1.26E-07	1.40E-03	4.41E-07	1.28E-07	1.40E-03	4.40E-07	1.28E-07
1794	495511.06, 3859051.99	1.35E-03	4.26E-07	1.24E-07	1.38E-03	4.34E-07	1.26E-07	1.37E-03	4.34E-07	1.26E-07

1795	495561.06, 3859051.99	1.33E-03	4.20E-07	1.22E-07	1.36E-03	4.29E-07	1.25E-07	1.36E-03	4.28E-07	1.25E-07
1796	495611.06, 3859051.99	1.32E-03	4.16E-07	1.21E-07	1.34E-03	4.24E-07	1.23E-07	1.34E-03	4.24E-07	1.23E-07
1797	495661.06, 3859051.99	1.32E-03	4.16E-07	1.21E-07	1.34E-03	4.24E-07	1.23E-07	1.34E-03	4.24E-07	1.23E-07
1798	494311.06, 3859101.99	1.97E-03	6.22E-07	1.81E-07	2.01E-03	6.34E-07	1.85E-07	2.01E-03	6.34E-07	1.84E-07
1799	494361.06, 3859101.99	1.95E-03	6.15E-07	1.79E-07	1.99E-03	6.28E-07	1.83E-07	1.99E-03	6.27E-07	1.82E-07
1800	494411.06, 3859101.99	1.93E-03	6.10E-07	1.77E-07	1.97E-03	6.22E-07	1.81E-07	1.97E-03	6.22E-07	1.81E-07
1801	494461.06, 3859101.99	1.91E-03	6.01E-07	1.75E-07	1.94E-03	6.14E-07	1.78E-07	1.94E-03	6.13E-07	1.78E-07
1802	494511.06, 3859101.99	1.87E-03	5.89E-07	1.71E-07	1.91E-03	6.01E-07	1.75E-07	1.90E-03	6.01E-07	1.75E-07
1803	494561.06, 3859101.99	1.84E-03	5.80E-07	1.69E-07	1.87E-03	5.92E-07	1.72E-07	1.87E-03	5.91E-07	1.72E-07
1804	494611.06, 3859101.99	1.79E-03	5.66E-07	1.65E-07	1.83E-03	5.78E-07	1.68E-07	1.83E-03	5.77E-07	1.68E-07
1805	494661.06, 3859101.99	1.77E-03	5.57E-07	1.62E-07	1.80E-03	5.68E-07	1.65E-07	1.80E-03	5.68E-07	1.65E-07
1806	494711.06, 3859101.99	1.72E-03	5.42E-07	1.58E-07	1.75E-03	5.53E-07	1.61E-07	1.75E-03	5.53E-07	1.61E-07
1807	494761.06, 3859101.99	1.70E-03	5.37E-07	1.56E-07	1.74E-03	5.48E-07	1.60E-07	1.74E-03	5.48E-07	1.59E-07
1808	494811.06, 3859101.99	1.67E-03	5.27E-07	1.53E-07	1.71E-03	5.38E-07	1.57E-07	1.70E-03	5.38E-07	1.56E-07
1809	494861.06, 3859101.99	1.64E-03	5.19E-07	1.51E-07	1.68E-03	5.29E-07	1.54E-07	1.67E-03	5.29E-07	1.54E-07
1810	494911.06, 3859101.99	1.60E-03	5.06E-07	1.47E-07	1.64E-03	5.17E-07	1.50E-07	1.64E-03	5.16E-07	1.50E-07
1811	494961.06, 3859101.99	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
1812	495011.06, 3859101.99	1.49E-03	4.72E-07	1.37E-07	1.52E-03	4.81E-07	1.40E-07	1.52E-03	4.81E-07	1.40E-07
1813	495061.06, 3859101.99	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.80E-07	1.40E-07	1.52E-03	4.79E-07	1.39E-07
1814	495111.06, 3859101.99	1.47E-03	4.64E-07	1.35E-07	1.50E-03	4.74E-07	1.38E-07	1.50E-03	4.73E-07	1.38E-07
1815	495161.06, 3859101.99	1.47E-03	4.65E-07	1.35E-07	1.50E-03	4.75E-07	1.38E-07	1.50E-03	4.74E-07	1.38E-07
1816	495211.06, 3859101.99	1.46E-03	4.60E-07	1.34E-07	1.49E-03	4.69E-07	1.37E-07	1.49E-03	4.69E-07	1.36E-07
1817	495261.06, 3859101.99	1.45E-03	4.58E-07	1.33E-07	1.48E-03	4.68E-07	1.36E-07	1.48E-03	4.67E-07	1.36E-07
1818	495311.06, 3859101.99	1.44E-03	4.54E-07	1.32E-07	1.47E-03	4.63E-07	1.35E-07	1.47E-03	4.63E-07	1.35E-07
1819	495361.06, 3859101.99	1.44E-03	4.54E-07	1.32E-07	1.47E-03	4.64E-07	1.35E-07	1.47E-03	4.63E-07	1.35E-07
1820	495411.06, 3859101.99	1.43E-03	4.52E-07	1.31E-07	1.46E-03	4.61E-07	1.34E-07	1.46E-03	4.60E-07	1.34E-07
1821	495461.06, 3859101.99	1.41E-03	4.45E-07	1.29E-07	1.44E-03	4.54E-07	1.32E-07	1.44E-03	4.53E-07	1.32E-07
1822	495511.06, 3859101.99	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.42E-03	4.49E-07	1.31E-07
1823	495561.06, 3859101.99	1.39E-03	4.38E-07	1.27E-07	1.42E-03	4.47E-07	1.30E-07	1.41E-03	4.46E-07	1.30E-07
1824	495611.06, 3859101.99	1.37E-03	4.32E-07	1.26E-07	1.40E-03	4.41E-07	1.28E-07	1.40E-03	4.40E-07	1.28E-07
1825	495661.06, 3859101.99	1.36E-03	4.30E-07	1.25E-07	1.39E-03	4.39E-07	1.28E-07	1.39E-03	4.39E-07	1.28E-07
1826	494311.06, 3859151.99	2.07E-03	6.54E-07	1.90E-07	2.11E-03	6.67E-07	1.94E-07	2.11E-03	6.67E-07	1.94E-07
1827	494361.06, 3859151.99	2.06E-03	6.49E-07	1.89E-07	2.10E-03	6.62E-07	1.93E-07	2.10E-03	6.62E-07	1.92E-07
1828	494411.06, 3859151.99	2.02E-03	6.38E-07	1.86E-07	2.06E-03	6.51E-07	1.89E-07	2.06E-03	6.50E-07	1.89E-07
1829	494461.06, 3859151.99	1.99E-03	6.27E-07	1.82E-07	2.03E-03	6.40E-07	1.86E-07	2.03E-03	6.39E-07	1.86E-07
1830	494511.06, 3859151.99	1.94E-03	6.13E-07	1.78E-07	1.98E-03	6.26E-07	1.82E-07	1.98E-03	6.25E-07	1.82E-07
1831	494561.06, 3859151.99	1.92E-03	6.05E-07	1.76E-07	1.96E-03	6.17E-07	1.79E-07	1.95E-03	6.16E-07	1.79E-07
1832	494611.06, 3859151.99	1.87E-03	5.91E-07	1.72E-07	1.91E-03	6.03E-07	1.76E-07	1.91E-03	6.03E-07	1.75E-07
1833	494661.06, 3859151.99	1.85E-03	5.82E-07	1.69E-07	1.88E-03	5.94E-07	1.73E-07	1.88E-03	5.94E-07	1.73E-07
1834	494711.06, 3859151.99	1.82E-03	5.75E-07	1.67E-07	1.86E-03	5.86E-07	1.71E-07	1.86E-03	5.86E-07	1.70E-07
1835	494761.06, 3859151.99	1.77E-03	5.60E-07	1.63E-07	1.81E-03	5.71E-07	1.66E-07	1.81E-03	5.71E-07	1.66E-07
1836	494811.06, 3859151.99	1.74E-03	5.48E-07	1.59E-07	1.77E-03	5.59E-07	1.63E-07	1.77E-03	5.58E-07	1.62E-07
1837	494861.06, 3859151.99	1.71E-03	5.39E-07	1.57E-07	1.74E-03	5.51E-07	1.60E-07	1.74E-03	5.50E-07	1.60E-07
1838	494911.06, 3859151.99	1.66E-03	5.25E-07	1.53E-07	1.70E-03	5.36E-07	1.56E-07	1.70E-03	5.35E-07	1.56E-07
1839	494961.06, 3859151.99	1.60E-03	5.05E-07	1.47E-07	1.63E-03	5.16E-07	1.50E-07	1.63E-03	5.15E-07	1.50E-07
1840	495011.06, 3859151.99	1.55E-03	4.90E-07	1.43E-07	1.59E-03	5.01E-07	1.46E-07	1.58E-03	5.00E-07	1.45E-07
1841	495061.06, 3859151.99	1.54E-03	4.87E-07	1.42E-07	1.58E-03	4.97E-07	1.45E-07	1.57E-03	4.97E-07	1.44E-07
1842	495111.06, 3859151.99	1.53E-03	4.83E-07	1.40E-07	1.56E-03	4.93E-07	1.43E-07	1.56E-03	4.92E-07	1.43E-07
1843	495161.06, 3859151.99	1.53E-03	4.84E-07	1.41E-07	1.57E-03	4.94E-07	1.44E-07	1.56E-03	4.93E-07	1.44E-07
1844	495211.06, 3859151.99	1.52E-03	4.80E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.89E-07	1.42E-07
1845	495261.06, 3859151.99	1.51E-03	4.76E-07	1.39E-07	1.54E-03	4.86E-07	1.41E-07	1.54E-03	4.86E-07	1.41E-07
1846	495311.06, 3859151.99	1.50E-03	4.73E-07	1.38E-07	1.53E-03	4.83E-07	1.41E-07	1.53E-03	4.82E-07	1.40E-07
1847	495361.06, 3859151.99	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.79E-07	1.39E-07	1.52E-03	4.79E-07	1.39E-07
1848	495411.06, 3859151.99	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.80E-07	1.40E-07	1.52E-03	4.80E-07	1.39E-07
1849	495461.06, 3859151.99	1.48E-03	4.67E-07	1.36E-07	1.51E-03	4.77E-07	1.39E-07	1.51E-03	4.76E-07	1.39E-07
1850	495511.06, 3859151.99	1.46E-03	4.60E-07	1.34E-07	1.49E-03	4.70E-07	1.37E-07	1.49E-03	4.69E-07	1.37E-07
1851	495561.06, 3859151.99	1.44E-03	4.55E-07	1.32E-07	1.47E-03	4.64E-07	1.35E-07	1.47E-03	4.64E-07	1.35E-07
1852	495611.06, 3859151.99	1.43E-03	4.50E-07	1.31E-07	1.46E-03	4.60E-07	1.34E-07	1.45E-03	4.59E-07	1.34E-07
1853	495661.06, 3859151.99	1.41E-03	4.46E-07	1.30E-07	1.44E-03	4.55E-07	1.32E-07	1.44E-03	4.55E-07	1.32E-07
1854	494311.06, 3859201.99	2.18E-03	6.87E-07	2.00E-07	2.22E-03	7.01E-07	2.04E-07	2.22E-03	7.01E-07	2.04E-07
1855	494361.06, 3859201.99	2.15E-03	6.79E-07	1.98E-07	2.20E-03	6.93E-07	2.02E-07	2.19E-03	6.92E-07	2.01E-07
1856	494411.06, 3859201.99	2.12E-03	6.69E-07	1.95E-07	2.16E-03	6.83E-07	1.99E-07	2.16E-03	6.82E-07	1.98E-07

1857	494461.06, 3859201.99	2.07E-03	6.54E-07	1.90E-07	2.12E-03	6.68E-07	1.94E-07	2.11E-03	6.67E-07	1.94E-07
1858	494511.06, 3859201.99	2.04E-03	6.44E-07	1.87E-07	2.08E-03	6.58E-07	1.91E-07	2.08E-03	6.57E-07	1.91E-07
1859	494561.06, 3859201.99	1.99E-03	6.29E-07	1.83E-07	2.03E-03	6.42E-07	1.87E-07	2.03E-03	6.41E-07	1.86E-07
1860	494611.06, 3859201.99	1.95E-03	6.17E-07	1.79E-07	1.99E-03	6.29E-07	1.83E-07	1.99E-03	6.29E-07	1.83E-07
1861	494661.06, 3859201.99	1.92E-03	6.07E-07	1.77E-07	1.96E-03	6.20E-07	1.80E-07	1.96E-03	6.19E-07	1.80E-07
1862	494711.06, 3859201.99	1.89E-03	5.97E-07	1.74E-07	1.93E-03	6.10E-07	1.77E-07	1.93E-03	6.09E-07	1.77E-07
1863	494761.06, 3859201.99	1.85E-03	5.83E-07	1.69E-07	1.88E-03	5.95E-07	1.73E-07	1.88E-03	5.94E-07	1.73E-07
1864	494811.06, 3859201.99	1.81E-03	5.70E-07	1.66E-07	1.84E-03	5.82E-07	1.69E-07	1.84E-03	5.81E-07	1.69E-07
1865	494861.06, 3859201.99	1.76E-03	5.55E-07	1.61E-07	1.79E-03	5.66E-07	1.65E-07	1.79E-03	5.66E-07	1.65E-07
1866	494911.06, 3859201.99	1.71E-03	5.40E-07	1.57E-07	1.75E-03	5.51E-07	1.60E-07	1.75E-03	5.51E-07	1.60E-07
1867	494961.06, 3859201.99	1.66E-03	5.24E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.34E-07	1.55E-07
1868	495011.06, 3859201.99	1.59E-03	5.03E-07	1.46E-07	1.63E-03	5.13E-07	1.49E-07	1.62E-03	5.13E-07	1.49E-07
1869	495061.06, 3859201.99	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.18E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
1870	495111.06, 3859201.99	1.60E-03	5.06E-07	1.47E-07	1.63E-03	5.16E-07	1.50E-07	1.63E-03	5.15E-07	1.50E-07
1871	495161.06, 3859201.99	1.59E-03	5.02E-07	1.46E-07	1.62E-03	5.13E-07	1.49E-07	1.62E-03	5.12E-07	1.49E-07
1872	495211.06, 3859201.99	1.57E-03	4.97E-07	1.44E-07	1.61E-03	5.07E-07	1.47E-07	1.60E-03	5.06E-07	1.47E-07
1873	495261.06, 3859201.99	1.57E-03	4.95E-07	1.44E-07	1.60E-03	5.05E-07	1.47E-07	1.60E-03	5.04E-07	1.47E-07
1874	495311.06, 3859201.99	1.56E-03	4.91E-07	1.43E-07	1.59E-03	5.01E-07	1.46E-07	1.59E-03	5.01E-07	1.46E-07
1875	495361.06, 3859201.99	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
1876	495411.06, 3859201.99	1.55E-03	4.88E-07	1.42E-07	1.58E-03	4.98E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
1877	495461.06, 3859201.99	1.53E-03	4.84E-07	1.41E-07	1.56E-03	4.94E-07	1.44E-07	1.56E-03	4.93E-07	1.43E-07
1878	495511.06, 3859201.99	1.52E-03	4.80E-07	1.40E-07	1.55E-03	4.89E-07	1.42E-07	1.55E-03	4.89E-07	1.42E-07
1879	495561.06, 3859201.99	1.50E-03	4.72E-07	1.37E-07	1.53E-03	4.82E-07	1.40E-07	1.52E-03	4.81E-07	1.40E-07
1880	495611.06, 3859201.99	1.48E-03	4.66E-07	1.36E-07	1.51E-03	4.76E-07	1.38E-07	1.51E-03	4.75E-07	1.38E-07
1881	495661.06, 3859201.99	1.46E-03	4.62E-07	1.34E-07	1.49E-03	4.71E-07	1.37E-07	1.49E-03	4.71E-07	1.37E-07
1882	494311.06, 3859251.99	2.29E-03	7.23E-07	2.10E-07	2.34E-03	7.37E-07	2.15E-07	2.33E-03	7.37E-07	2.14E-07
1883	494361.06, 3859251.99	2.25E-03	7.10E-07	2.07E-07	2.30E-03	7.25E-07	2.11E-07	2.29E-03	7.24E-07	2.11E-07
1884	494411.06, 3859251.99	2.20E-03	6.94E-07	2.02E-07	2.24E-03	7.08E-07	2.06E-07	2.24E-03	7.07E-07	2.06E-07
1885	494461.06, 3859251.99	2.16E-03	6.83E-07	1.99E-07	2.21E-03	6.97E-07	2.03E-07	2.20E-03	6.96E-07	2.02E-07
1886	494511.06, 3859251.99	2.11E-03	6.66E-07	1.94E-07	2.15E-03	6.79E-07	1.98E-07	2.15E-03	6.79E-07	1.97E-07
1887	494561.06, 3859251.99	2.07E-03	6.55E-07	1.90E-07	2.12E-03	6.68E-07	1.94E-07	2.11E-03	6.67E-07	1.94E-07
1888	494611.06, 3859251.99	2.03E-03	6.40E-07	1.86E-07	2.07E-03	6.54E-07	1.90E-07	2.07E-03	6.53E-07	1.90E-07
1889	494661.06, 3859251.99	2.00E-03	6.32E-07	1.84E-07	2.04E-03	6.45E-07	1.88E-07	2.04E-03	6.44E-07	1.87E-07
1890	494711.06, 3859251.99	1.97E-03	6.22E-07	1.81E-07	2.01E-03	6.34E-07	1.85E-07	2.01E-03	6.34E-07	1.84E-07
1891	494761.06, 3859251.99	1.89E-03	5.96E-07	1.73E-07	1.93E-03	6.08E-07	1.77E-07	1.93E-03	6.08E-07	1.77E-07
1892	494811.06, 3859251.99	1.88E-03	5.93E-07	1.73E-07	1.92E-03	6.05E-07	1.76E-07	1.92E-03	6.05E-07	1.76E-07
1893	494861.06, 3859251.99	1.81E-03	5.70E-07	1.66E-07	1.84E-03	5.82E-07	1.69E-07	1.84E-03	5.81E-07	1.69E-07
1894	494911.06, 3859251.99	1.76E-03	5.56E-07	1.62E-07	1.80E-03	5.67E-07	1.65E-07	1.79E-03	5.66E-07	1.65E-07
1895	494961.06, 3859251.99	1.73E-03	5.46E-07	1.59E-07	1.76E-03	5.57E-07	1.62E-07	1.76E-03	5.56E-07	1.62E-07
1896	495011.06, 3859251.99	1.69E-03	5.35E-07	1.55E-07	1.73E-03	5.45E-07	1.59E-07	1.73E-03	5.45E-07	1.58E-07
1897	495061.06, 3859251.99	1.69E-03	5.33E-07	1.55E-07	1.72E-03	5.44E-07	1.58E-07	1.72E-03	5.43E-07	1.58E-07
1898	495111.06, 3859251.99	1.67E-03	5.27E-07	1.53E-07	1.70E-03	5.38E-07	1.56E-07	1.70E-03	5.37E-07	1.56E-07
1899	495161.06, 3859251.99	1.66E-03	5.24E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.34E-07	1.55E-07
1900	495211.06, 3859251.99	1.64E-03	5.18E-07	1.51E-07	1.67E-03	5.28E-07	1.54E-07	1.67E-03	5.27E-07	1.53E-07
1901	495261.06, 3859251.99	1.62E-03	5.12E-07	1.49E-07	1.66E-03	5.23E-07	1.52E-07	1.65E-03	5.22E-07	1.52E-07
1902	495311.06, 3859251.99	1.62E-03	5.12E-07	1.49E-07	1.66E-03	5.23E-07	1.52E-07	1.65E-03	5.22E-07	1.52E-07
1903	495361.06, 3859251.99	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.18E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
1904	495411.06, 3859251.99	1.61E-03	5.07E-07	1.47E-07	1.64E-03	5.17E-07	1.50E-07	1.64E-03	5.17E-07	1.50E-07
1905	495461.06, 3859251.99	1.59E-03	5.02E-07	1.46E-07	1.62E-03	5.13E-07	1.49E-07	1.62E-03	5.12E-07	1.49E-07
1906	495511.06, 3859251.99	1.57E-03	4.94E-07	1.44E-07	1.60E-03	5.04E-07	1.47E-07	1.60E-03	5.04E-07	1.47E-07
1907	495561.06, 3859251.99	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
1908	495611.06, 3859251.99	1.53E-03	4.82E-07	1.40E-07	1.56E-03	4.91E-07	1.43E-07	1.56E-03	4.91E-07	1.43E-07
1909	495661.06, 3859251.99	1.51E-03	4.76E-07	1.39E-07	1.54E-03	4.86E-07	1.41E-07	1.54E-03	4.86E-07	1.41E-07
1910	494311.06, 3859301.99	2.40E-03	7.58E-07	2.20E-07	2.45E-03	7.73E-07	2.25E-07	2.45E-03	7.73E-07	2.25E-07
1911	494361.06, 3859301.99	2.36E-03	7.44E-07	2.16E-07	2.40E-03	7.59E-07	2.21E-07	2.40E-03	7.58E-07	2.20E-07
1912	494411.06, 3859301.99	2.30E-03	7.26E-07	2.11E-07	2.35E-03	7.41E-07	2.15E-07	2.34E-03	7.40E-07	2.15E-07
1913	494461.06, 3859301.99	2.24E-03	7.08E-07	2.06E-07	2.29E-03	7.23E-07	2.10E-07	2.29E-03	7.22E-07	2.10E-07
1914	494511.06, 3859301.99	2.20E-03	6.94E-07	2.02E-07	2.24E-03	7.08E-07	2.06E-07	2.24E-03	7.07E-07	2.06E-07
1915	494561.06, 3859301.99	2.16E-03	6.82E-07	1.98E-07	2.20E-03	6.95E-07	2.02E-07	2.20E-03	6.95E-07	2.02E-07
1916	494611.06, 3859301.99	2.12E-03	6.68E-07	1.94E-07	2.16E-03	6.82E-07	1.98E-07	2.16E-03	6.81E-07	1.98E-07
1917	494661.06, 3859301.99	2.08E-03	6.56E-07	1.91E-07	2.12E-03	6.70E-07	1.95E-07	2.12E-03	6.69E-07	1.95E-07
1918	494711.06, 3859301.99	2.03E-03	6.42E-07	1.87E-07	2.07E-03	6.55E-07	1.90E-07	2.07E-03	6.54E-07	1.90E-07

1919	494761.06, 3859301.99	1.99E-03	6.29E-07	1.83E-07	2.03E-03	6.42E-07	1.87E-07	2.03E-03	6.41E-07	1.86E-07
1920	494811.06, 3859301.99	1.94E-03	6.12E-07	1.78E-07	1.98E-03	6.25E-07	1.82E-07	1.98E-03	6.24E-07	1.82E-07
1921	494861.06, 3859301.99	1.87E-03	5.90E-07	1.72E-07	1.91E-03	6.03E-07	1.75E-07	1.91E-03	6.02E-07	1.75E-07
1922	494911.06, 3859301.99	1.83E-03	5.79E-07	1.68E-07	1.87E-03	5.91E-07	1.72E-07	1.87E-03	5.90E-07	1.72E-07
1923	494961.06, 3859301.99	1.77E-03	5.58E-07	1.62E-07	1.80E-03	5.69E-07	1.66E-07	1.80E-03	5.68E-07	1.65E-07
1924	495011.06, 3859301.99	1.74E-03	5.49E-07	1.60E-07	1.78E-03	5.60E-07	1.63E-07	1.77E-03	5.60E-07	1.63E-07
1925	495061.06, 3859301.99	1.75E-03	5.53E-07	1.61E-07	1.79E-03	5.64E-07	1.64E-07	1.79E-03	5.64E-07	1.64E-07
1926	495111.06, 3859301.99	1.72E-03	5.43E-07	1.58E-07	1.76E-03	5.54E-07	1.61E-07	1.75E-03	5.53E-07	1.61E-07
1927	495161.06, 3859301.99	1.71E-03	5.40E-07	1.57E-07	1.75E-03	5.51E-07	1.60E-07	1.74E-03	5.51E-07	1.60E-07
1928	495211.06, 3859301.99	1.71E-03	5.40E-07	1.57E-07	1.75E-03	5.51E-07	1.60E-07	1.74E-03	5.50E-07	1.60E-07
1929	495261.06, 3859301.99	1.70E-03	5.37E-07	1.56E-07	1.74E-03	5.48E-07	1.59E-07	1.73E-03	5.48E-07	1.59E-07
1930	495311.06, 3859301.99	1.68E-03	5.29E-07	1.54E-07	1.71E-03	5.40E-07	1.57E-07	1.71E-03	5.39E-07	1.57E-07
1931	495361.06, 3859301.99	1.67E-03	5.27E-07	1.53E-07	1.70E-03	5.38E-07	1.57E-07	1.70E-03	5.37E-07	1.56E-07
1932	495411.06, 3859301.99	1.66E-03	5.24E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.34E-07	1.55E-07
1933	495461.06, 3859301.99	1.65E-03	5.20E-07	1.51E-07	1.68E-03	5.31E-07	1.54E-07	1.68E-03	5.30E-07	1.54E-07
1934	495511.06, 3859301.99	1.63E-03	5.13E-07	1.49E-07	1.66E-03	5.23E-07	1.52E-07	1.66E-03	5.23E-07	1.52E-07
1935	495561.06, 3859301.99	1.59E-03	5.02E-07	1.46E-07	1.62E-03	5.13E-07	1.49E-07	1.62E-03	5.12E-07	1.49E-07
1936	495611.06, 3859301.99	1.57E-03	4.97E-07	1.45E-07	1.61E-03	5.07E-07	1.47E-07	1.60E-03	5.06E-07	1.47E-07
1937	495661.06, 3859301.99	1.56E-03	4.91E-07	1.43E-07	1.59E-03	5.01E-07	1.46E-07	1.59E-03	5.01E-07	1.46E-07
1938	494311.06, 3859351.99	2.50E-03	7.90E-07	2.30E-07	2.55E-03	8.06E-07	2.34E-07	2.55E-03	8.05E-07	2.34E-07
1939	494361.06, 3859351.99	2.45E-03	7.74E-07	2.25E-07	2.50E-03	7.90E-07	2.30E-07	2.50E-03	7.89E-07	2.29E-07
1940	494411.06, 3859351.99	2.39E-03	7.53E-07	2.19E-07	2.44E-03	7.69E-07	2.24E-07	2.43E-03	7.68E-07	2.23E-07
1941	494461.06, 3859351.99	2.33E-03	7.36E-07	2.14E-07	2.38E-03	7.51E-07	2.18E-07	2.38E-03	7.50E-07	2.18E-07
1942	494511.06, 3859351.99	2.28E-03	7.20E-07	2.10E-07	2.33E-03	7.35E-07	2.14E-07	2.33E-03	7.34E-07	2.14E-07
1943	494561.06, 3859351.99	2.25E-03	7.09E-07	2.06E-07	2.29E-03	7.23E-07	2.10E-07	2.29E-03	7.22E-07	2.10E-07
1944	494611.06, 3859351.99	2.20E-03	6.95E-07	2.02E-07	2.25E-03	7.10E-07	2.06E-07	2.25E-03	7.09E-07	2.06E-07
1945	494661.06, 3859351.99	2.16E-03	6.82E-07	1.98E-07	2.20E-03	6.96E-07	2.02E-07	2.20E-03	6.95E-07	2.02E-07
1946	494711.06, 3859351.99	2.11E-03	6.65E-07	1.93E-07	2.15E-03	6.79E-07	1.97E-07	2.15E-03	6.78E-07	1.97E-07
1947	494761.06, 3859351.99	2.04E-03	6.43E-07	1.87E-07	2.08E-03	6.56E-07	1.91E-07	2.08E-03	6.55E-07	1.91E-07
1948	494811.06, 3859351.99	1.97E-03	6.21E-07	1.81E-07	2.01E-03	6.34E-07	1.84E-07	2.01E-03	6.33E-07	1.84E-07
1949	494861.06, 3859351.99	1.93E-03	6.10E-07	1.78E-07	1.97E-03	6.23E-07	1.81E-07	1.97E-03	6.22E-07	1.81E-07
1950	494911.06, 3859351.99	1.91E-03	6.03E-07	1.75E-07	1.95E-03	6.15E-07	1.79E-07	1.95E-03	6.14E-07	1.79E-07
1951	494961.06, 3859351.99	1.87E-03	5.91E-07	1.72E-07	1.91E-03	6.03E-07	1.75E-07	1.91E-03	6.02E-07	1.75E-07
1952	495011.06, 3859351.99	1.84E-03	5.82E-07	1.69E-07	1.88E-03	5.94E-07	1.73E-07	1.88E-03	5.93E-07	1.73E-07
1953	495061.06, 3859351.99	1.85E-03	5.84E-07	1.70E-07	1.89E-03	5.95E-07	1.73E-07	1.88E-03	5.95E-07	1.73E-07
1954	495111.06, 3859351.99	1.82E-03	5.74E-07	1.67E-07	1.86E-03	5.86E-07	1.70E-07	1.85E-03	5.85E-07	1.70E-07
1955	495161.06, 3859351.99	1.80E-03	5.69E-07	1.65E-07	1.84E-03	5.80E-07	1.69E-07	1.84E-03	5.79E-07	1.69E-07
1956	495211.06, 3859351.99	1.78E-03	5.63E-07	1.64E-07	1.82E-03	5.74E-07	1.67E-07	1.82E-03	5.73E-07	1.67E-07
1957	495261.06, 3859351.99	1.77E-03	5.59E-07	1.63E-07	1.81E-03	5.71E-07	1.66E-07	1.81E-03	5.70E-07	1.66E-07
1958	495311.06, 3859351.99	1.75E-03	5.51E-07	1.60E-07	1.78E-03	5.63E-07	1.64E-07	1.78E-03	5.62E-07	1.63E-07
1959	495361.06, 3859351.99	1.73E-03	5.46E-07	1.59E-07	1.77E-03	5.57E-07	1.62E-07	1.76E-03	5.56E-07	1.62E-07
1960	495411.06, 3859351.99	1.72E-03	5.42E-07	1.58E-07	1.75E-03	5.54E-07	1.61E-07	1.75E-03	5.53E-07	1.61E-07
1961	495461.06, 3859351.99	1.71E-03	5.40E-07	1.57E-07	1.75E-03	5.51E-07	1.60E-07	1.74E-03	5.50E-07	1.60E-07
1962	495511.06, 3859351.99	1.68E-03	5.30E-07	1.54E-07	1.71E-03	5.41E-07	1.57E-07	1.71E-03	5.40E-07	1.57E-07
1963	495561.06, 3859351.99	1.66E-03	5.22E-07	1.52E-07	1.69E-03	5.33E-07	1.55E-07	1.69E-03	5.33E-07	1.55E-07
1964	495611.06, 3859351.99	1.64E-03	5.17E-07	1.50E-07	1.67E-03	5.27E-07	1.53E-07	1.67E-03	5.26E-07	1.53E-07
1965	495661.06, 3859351.99	1.61E-03	5.07E-07	1.47E-07	1.64E-03	5.17E-07	1.50E-07	1.64E-03	5.17E-07	1.50E-07
1966	494311.06, 3859401.99	2.62E-03	8.27E-07	2.41E-07	2.67E-03	8.44E-07	2.46E-07	2.67E-03	8.43E-07	2.45E-07
1967	494361.06, 3859401.99	2.55E-03	8.04E-07	2.34E-07	2.60E-03	8.21E-07	2.39E-07	2.60E-03	8.20E-07	2.38E-07
1968	494411.06, 3859401.99	2.48E-03	7.81E-07	2.27E-07	2.53E-03	7.97E-07	2.32E-07	2.52E-03	7.97E-07	2.32E-07
1969	494461.06, 3859401.99	2.42E-03	7.64E-07	2.22E-07	2.47E-03	7.80E-07	2.27E-07	2.47E-03	7.79E-07	2.27E-07
1970	494511.06, 3859401.99	2.38E-03	7.52E-07	2.19E-07	2.43E-03	7.68E-07	2.23E-07	2.43E-03	7.67E-07	2.23E-07
1971	494561.06, 3859401.99	2.34E-03	7.39E-07	2.15E-07	2.39E-03	7.54E-07	2.19E-07	2.39E-03	7.53E-07	2.19E-07
1972	494611.06, 3859401.99	2.29E-03	7.23E-07	2.10E-07	2.34E-03	7.37E-07	2.14E-07	2.33E-03	7.37E-07	2.14E-07
1973	494661.06, 3859401.99	2.25E-03	7.11E-07	2.07E-07	2.30E-03	7.25E-07	2.11E-07	2.29E-03	7.24E-07	2.11E-07
1974	494711.06, 3859401.99	2.21E-03	6.97E-07	2.03E-07	2.25E-03	7.11E-07	2.07E-07	2.25E-03	7.10E-07	2.07E-07
1975	494761.06, 3859401.99	2.12E-03	6.70E-07	1.95E-07	2.17E-03	6.84E-07	1.99E-07	2.16E-03	6.83E-07	1.99E-07
1976	494811.06, 3859401.99	2.08E-03	6.57E-07	1.91E-07	2.12E-03	6.70E-07	1.95E-07	2.12E-03	6.69E-07	1.95E-07
1977	494861.06, 3859401.99	2.02E-03	6.37E-07	1.85E-07	2.06E-03	6.50E-07	1.89E-07	2.06E-03	6.49E-07	1.89E-07
1978	494911.06, 3859401.99	1.97E-03	6.22E-07	1.81E-07	2.01E-03	6.35E-07	1.85E-07	2.01E-03	6.34E-07	1.84E-07
1979	494961.06, 3859401.99	1.95E-03	6.16E-07	1.79E-07	1.99E-03	6.28E-07	1.83E-07	1.99E-03	6.27E-07	1.82E-07
1980	495011.06, 3859401.99	1.93E-03	6.09E-07	1.77E-07	1.97E-03	6.22E-07	1.81E-07	1.97E-03	6.21E-07	1.81E-07

1981	495061.06, 3859401.99	1.91E-03	6.02E-07	1.75E-07	1.95E-03	6.14E-07	1.79E-07	1.94E-03	6.13E-07	1.78E-07
1982	495111.06, 3859401.99	1.87E-03	5.92E-07	1.72E-07	1.91E-03	6.04E-07	1.76E-07	1.91E-03	6.03E-07	1.75E-07
1983	495161.06, 3859401.99	1.87E-03	5.89E-07	1.71E-07	1.90E-03	6.01E-07	1.75E-07	1.90E-03	6.00E-07	1.75E-07
1984	495211.06, 3859401.99	1.86E-03	5.86E-07	1.70E-07	1.89E-03	5.98E-07	1.74E-07	1.89E-03	5.97E-07	1.74E-07
1985	495261.06, 3859401.99	1.84E-03	5.80E-07	1.69E-07	1.87E-03	5.91E-07	1.72E-07	1.87E-03	5.91E-07	1.72E-07
1986	495311.06, 3859401.99	1.82E-03	5.73E-07	1.67E-07	1.85E-03	5.85E-07	1.70E-07	1.85E-03	5.84E-07	1.70E-07
1987	495361.06, 3859401.99	1.81E-03	5.70E-07	1.66E-07	1.84E-03	5.82E-07	1.69E-07	1.84E-03	5.81E-07	1.69E-07
1988	495411.06, 3859401.99	1.79E-03	5.66E-07	1.64E-07	1.83E-03	5.77E-07	1.68E-07	1.83E-03	5.76E-07	1.68E-07
1989	495461.06, 3859401.99	1.77E-03	5.58E-07	1.62E-07	1.80E-03	5.69E-07	1.66E-07	1.80E-03	5.69E-07	1.65E-07
1990	495511.06, 3859401.99	1.74E-03	5.48E-07	1.59E-07	1.77E-03	5.59E-07	1.63E-07	1.77E-03	5.58E-07	1.62E-07
1991	495561.06, 3859401.99	1.70E-03	5.37E-07	1.56E-07	1.73E-03	5.48E-07	1.59E-07	1.73E-03	5.47E-07	1.59E-07
1992	495611.06, 3859401.99	1.68E-03	5.30E-07	1.54E-07	1.71E-03	5.41E-07	1.57E-07	1.71E-03	5.40E-07	1.57E-07
1993	495661.06, 3859401.99	1.66E-03	5.24E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.34E-07	1.55E-07
1994	494311.06, 3859451.99	2.71E-03	8.56E-07	2.49E-07	2.77E-03	8.73E-07	2.54E-07	2.76E-03	8.72E-07	2.54E-07
1995	494361.06, 3859451.99	2.64E-03	8.34E-07	2.43E-07	2.70E-03	8.51E-07	2.48E-07	2.69E-03	8.50E-07	2.47E-07
1996	494411.06, 3859451.99	2.55E-03	8.05E-07	2.34E-07	2.60E-03	8.21E-07	2.39E-07	2.60E-03	8.20E-07	2.39E-07
1997	494461.06, 3859451.99	2.51E-03	7.94E-07	2.31E-07	2.57E-03	8.10E-07	2.36E-07	2.56E-03	8.09E-07	2.35E-07
1998	494511.06, 3859451.99	2.46E-03	7.76E-07	2.26E-07	2.51E-03	7.92E-07	2.30E-07	2.51E-03	7.91E-07	2.30E-07
1999	494561.06, 3859451.99	2.41E-03	7.62E-07	2.22E-07	2.46E-03	7.78E-07	2.26E-07	2.46E-03	7.77E-07	2.26E-07
2000	494611.06, 3859451.99	2.39E-03	7.53E-07	2.19E-07	2.43E-03	7.68E-07	2.24E-07	2.43E-03	7.67E-07	2.23E-07
2001	494661.06, 3859451.99	2.33E-03	7.36E-07	2.14E-07	2.38E-03	7.51E-07	2.18E-07	2.38E-03	7.50E-07	2.18E-07
2002	494711.06, 3859451.99	2.28E-03	7.19E-07	2.09E-07	2.32E-03	7.33E-07	2.13E-07	2.32E-03	7.33E-07	2.13E-07
2003	494761.06, 3859451.99	2.23E-03	7.04E-07	2.05E-07	2.28E-03	7.19E-07	2.09E-07	2.27E-03	7.18E-07	2.09E-07
2004	494811.06, 3859451.99	2.17E-03	6.84E-07	1.99E-07	2.21E-03	6.98E-07	2.03E-07	2.21E-03	6.98E-07	2.03E-07
2005	494861.06, 3859451.99	2.12E-03	6.68E-07	1.94E-07	2.16E-03	6.82E-07	1.98E-07	2.16E-03	6.81E-07	1.98E-07
2006	494911.06, 3859451.99	2.08E-03	6.56E-07	1.91E-07	2.12E-03	6.69E-07	1.95E-07	2.12E-03	6.68E-07	1.94E-07
2007	494961.06, 3859451.99	2.05E-03	6.48E-07	1.88E-07	2.09E-03	6.61E-07	1.92E-07	2.09E-03	6.60E-07	1.92E-07
2008	495011.06, 3859451.99	2.02E-03	6.38E-07	1.86E-07	2.06E-03	6.51E-07	1.89E-07	2.06E-03	6.50E-07	1.89E-07
2009	495061.06, 3859451.99	1.99E-03	6.29E-07	1.83E-07	2.03E-03	6.41E-07	1.87E-07	2.03E-03	6.41E-07	1.86E-07
2010	495111.06, 3859451.99	1.96E-03	6.19E-07	1.80E-07	2.00E-03	6.32E-07	1.84E-07	2.00E-03	6.31E-07	1.84E-07
2011	495161.06, 3859451.99	1.94E-03	6.14E-07	1.78E-07	1.98E-03	6.26E-07	1.82E-07	1.98E-03	6.25E-07	1.82E-07
2012	495211.06, 3859451.99	1.93E-03	6.09E-07	1.77E-07	1.97E-03	6.22E-07	1.81E-07	1.97E-03	6.21E-07	1.81E-07
2013	495261.06, 3859451.99	1.92E-03	6.05E-07	1.76E-07	1.96E-03	6.17E-07	1.79E-07	1.95E-03	6.16E-07	1.79E-07
2014	495311.06, 3859451.99	1.89E-03	5.97E-07	1.74E-07	1.93E-03	6.09E-07	1.77E-07	1.93E-03	6.09E-07	1.77E-07
2015	495361.06, 3859451.99	1.87E-03	5.91E-07	1.72E-07	1.91E-03	6.03E-07	1.75E-07	1.91E-03	6.02E-07	1.75E-07
2016	495411.06, 3859451.99	1.85E-03	5.83E-07	1.70E-07	1.89E-03	5.95E-07	1.73E-07	1.88E-03	5.95E-07	1.73E-07
2017	495461.06, 3859451.99	1.83E-03	5.77E-07	1.68E-07	1.87E-03	5.89E-07	1.71E-07	1.86E-03	5.88E-07	1.71E-07
2018	495511.06, 3859451.99	1.79E-03	5.65E-07	1.64E-07	1.83E-03	5.77E-07	1.68E-07	1.82E-03	5.76E-07	1.67E-07
2019	495561.06, 3859451.99	1.76E-03	5.57E-07	1.62E-07	1.80E-03	5.68E-07	1.65E-07	1.80E-03	5.67E-07	1.65E-07
2020	495611.06, 3859451.99	1.74E-03	5.49E-07	1.60E-07	1.77E-03	5.60E-07	1.63E-07	1.77E-03	5.60E-07	1.63E-07
2021	495661.06, 3859451.99	1.72E-03	5.42E-07	1.58E-07	1.75E-03	5.53E-07	1.61E-07	1.75E-03	5.52E-07	1.61E-07
2022	494311.06, 3859501.99	2.82E-03	8.89E-07	2.59E-07	2.87E-03	9.07E-07	2.64E-07	2.87E-03	9.06E-07	2.64E-07
2023	494361.06, 3859501.99	2.74E-03	8.65E-07	2.52E-07	2.80E-03	8.83E-07	2.57E-07	2.79E-03	8.82E-07	2.57E-07
2024	494411.06, 3859501.99	2.62E-03	8.28E-07	2.41E-07	2.68E-03	8.45E-07	2.46E-07	2.67E-03	8.44E-07	2.46E-07
2025	494461.06, 3859501.99	2.61E-03	8.25E-07	2.40E-07	2.67E-03	8.42E-07	2.45E-07	2.66E-03	8.41E-07	2.45E-07
2026	494511.06, 3859501.99	2.55E-03	8.04E-07	2.34E-07	2.60E-03	8.21E-07	2.39E-07	2.60E-03	8.20E-07	2.38E-07
2027	494561.06, 3859501.99	2.49E-03	7.87E-07	2.29E-07	2.55E-03	8.03E-07	2.34E-07	2.54E-03	8.02E-07	2.33E-07
2028	494611.06, 3859501.99	2.49E-03	7.85E-07	2.28E-07	2.54E-03	8.01E-07	2.33E-07	2.54E-03	8.00E-07	2.33E-07
2029	494661.06, 3859501.99	2.42E-03	7.64E-07	2.22E-07	2.47E-03	7.80E-07	2.27E-07	2.47E-03	7.79E-07	2.26E-07
2030	494711.06, 3859501.99	2.35E-03	7.40E-07	2.15E-07	2.39E-03	7.55E-07	2.20E-07	2.39E-03	7.55E-07	2.19E-07
2031	494761.06, 3859501.99	2.32E-03	7.34E-07	2.13E-07	2.37E-03	7.49E-07	2.18E-07	2.37E-03	7.48E-07	2.18E-07
2032	494811.06, 3859501.99	2.24E-03	7.06E-07	2.05E-07	2.28E-03	7.20E-07	2.09E-07	2.28E-03	7.19E-07	2.09E-07
2033	494861.06, 3859501.99	2.20E-03	6.94E-07	2.02E-07	2.24E-03	7.08E-07	2.06E-07	2.24E-03	7.07E-07	2.06E-07
2034	494911.06, 3859501.99	2.17E-03	6.85E-07	1.99E-07	2.21E-03	6.99E-07	2.03E-07	2.21E-03	6.98E-07	2.03E-07
2035	494961.06, 3859501.99	2.12E-03	6.71E-07	1.95E-07	2.17E-03	6.84E-07	1.99E-07	2.17E-03	6.84E-07	1.99E-07
2036	495011.06, 3859501.99	2.10E-03	6.63E-07	1.93E-07	2.14E-03	6.76E-07	1.97E-07	2.14E-03	6.76E-07	1.96E-07
2037	495061.06, 3859501.99	2.08E-03	6.55E-07	1.91E-07	2.12E-03	6.69E-07	1.95E-07	2.12E-03	6.68E-07	1.94E-07
2038	495111.06, 3859501.99	2.04E-03	6.42E-07	1.87E-07	2.08E-03	6.55E-07	1.91E-07	2.07E-03	6.55E-07	1.90E-07
2039	495161.06, 3859501.99	2.01E-03	6.36E-07	1.85E-07	2.06E-03	6.49E-07	1.89E-07	2.05E-03	6.48E-07	1.88E-07
2040	495211.06, 3859501.99	2.00E-03	6.31E-07	1.84E-07	2.04E-03	6.44E-07	1.87E-07	2.04E-03	6.44E-07	1.87E-07
2041	495261.06, 3859501.99	1.98E-03	6.25E-07	1.82E-07	2.02E-03	6.38E-07	1.85E-07	2.02E-03	6.37E-07	1.85E-07
2042	495311.06, 3859501.99	1.96E-03	6.19E-07	1.80E-07	2.00E-03	6.32E-07	1.84E-07	2.00E-03	6.31E-07	1.84E-07

2043	495361.06, 3859501.99	1.94E-03	6.12E-07	1.78E-07	1.98E-03	6.24E-07	1.82E-07	1.98E-03	6.24E-07	1.81E-07
2044	495411.06, 3859501.99	1.92E-03	6.05E-07	1.76E-07	1.96E-03	6.17E-07	1.80E-07	1.95E-03	6.16E-07	1.79E-07
2045	495461.06, 3859501.99	1.89E-03	5.97E-07	1.74E-07	1.93E-03	6.09E-07	1.77E-07	1.93E-03	6.08E-07	1.77E-07
2046	495511.06, 3859501.99	1.84E-03	5.80E-07	1.69E-07	1.87E-03	5.91E-07	1.72E-07	1.87E-03	5.91E-07	1.72E-07
2047	495561.06, 3859501.99	1.83E-03	5.77E-07	1.68E-07	1.87E-03	5.89E-07	1.71E-07	1.86E-03	5.88E-07	1.71E-07
2048	495611.06, 3859501.99	1.80E-03	5.68E-07	1.65E-07	1.84E-03	5.80E-07	1.69E-07	1.83E-03	5.79E-07	1.68E-07
2049	495661.06, 3859501.99	1.77E-03	5.59E-07	1.62E-07	1.81E-03	5.70E-07	1.66E-07	1.80E-03	5.69E-07	1.66E-07
2050	494311.06, 3859551.99	2.92E-03	9.21E-07	2.68E-07	2.98E-03	9.39E-07	2.73E-07	2.97E-03	9.38E-07	2.73E-07
2051	494361.06, 3859551.99	2.81E-03	8.88E-07	2.58E-07	2.87E-03	9.06E-07	2.63E-07	2.87E-03	9.05E-07	2.63E-07
2052	494411.06, 3859551.99	2.69E-03	8.50E-07	2.47E-07	2.75E-03	8.67E-07	2.52E-07	2.74E-03	8.66E-07	2.52E-07
2053	494461.06, 3859551.99	2.70E-03	8.53E-07	2.48E-07	2.76E-03	8.70E-07	2.53E-07	2.75E-03	8.69E-07	2.53E-07
2054	494511.06, 3859551.99	2.64E-03	8.32E-07	2.42E-07	2.69E-03	8.49E-07	2.47E-07	2.69E-03	8.48E-07	2.47E-07
2055	494561.06, 3859551.99	2.58E-03	8.16E-07	2.37E-07	2.64E-03	8.32E-07	2.42E-07	2.63E-03	8.31E-07	2.42E-07
2056	494611.06, 3859551.99	2.55E-03	8.06E-07	2.34E-07	2.60E-03	8.22E-07	2.39E-07	2.60E-03	8.21E-07	2.39E-07
2057	494661.06, 3859551.99	2.51E-03	7.92E-07	2.30E-07	2.56E-03	8.08E-07	2.35E-07	2.56E-03	8.07E-07	2.35E-07
2058	494711.06, 3859551.99	2.40E-03	7.56E-07	2.20E-07	2.45E-03	7.72E-07	2.24E-07	2.44E-03	7.71E-07	2.24E-07
2059	494761.06, 3859551.99	2.41E-03	7.59E-07	2.21E-07	2.45E-03	7.75E-07	2.25E-07	2.45E-03	7.74E-07	2.25E-07
2060	494811.06, 3859551.99	2.32E-03	7.34E-07	2.13E-07	2.37E-03	7.49E-07	2.18E-07	2.37E-03	7.48E-07	2.18E-07
2061	494861.06, 3859551.99	2.29E-03	7.21E-07	2.10E-07	2.33E-03	7.36E-07	2.14E-07	2.33E-03	7.35E-07	2.14E-07
2062	494911.06, 3859551.99	2.24E-03	7.07E-07	2.06E-07	2.29E-03	7.21E-07	2.10E-07	2.28E-03	7.20E-07	2.10E-07
2063	494961.06, 3859551.99	2.21E-03	6.98E-07	2.03E-07	2.26E-03	7.13E-07	2.07E-07	2.26E-03	7.12E-07	2.07E-07
2064	495011.06, 3859551.99	2.19E-03	6.92E-07	2.01E-07	2.24E-03	7.06E-07	2.05E-07	2.23E-03	7.05E-07	2.05E-07
2065	495061.06, 3859551.99	2.16E-03	6.81E-07	1.98E-07	2.20E-03	6.95E-07	2.02E-07	2.20E-03	6.94E-07	2.02E-07
2066	495111.06, 3859551.99	2.12E-03	6.68E-07	1.94E-07	2.16E-03	6.81E-07	1.98E-07	2.16E-03	6.80E-07	1.98E-07
2067	495161.06, 3859551.99	2.10E-03	6.61E-07	1.92E-07	2.14E-03	6.75E-07	1.96E-07	2.14E-03	6.74E-07	1.96E-07
2068	495211.06, 3859551.99	2.08E-03	6.57E-07	1.91E-07	2.12E-03	6.70E-07	1.95E-07	2.12E-03	6.69E-07	1.95E-07
2069	495261.06, 3859551.99	2.05E-03	6.46E-07	1.88E-07	2.09E-03	6.60E-07	1.92E-07	2.09E-03	6.59E-07	1.92E-07
2070	495311.06, 3859551.99	2.02E-03	6.38E-07	1.86E-07	2.06E-03	6.51E-07	1.89E-07	2.06E-03	6.50E-07	1.89E-07
2071	495361.06, 3859551.99	2.00E-03	6.31E-07	1.84E-07	2.04E-03	6.44E-07	1.87E-07	2.04E-03	6.43E-07	1.87E-07
2072	495411.06, 3859551.99	1.98E-03	6.25E-07	1.82E-07	2.02E-03	6.38E-07	1.86E-07	2.02E-03	6.37E-07	1.85E-07
2073	495461.06, 3859551.99	1.94E-03	6.13E-07	1.78E-07	1.98E-03	6.26E-07	1.82E-07	1.98E-03	6.25E-07	1.82E-07
2074	495511.06, 3859551.99	1.90E-03	6.01E-07	1.75E-07	1.94E-03	6.13E-07	1.78E-07	1.94E-03	6.12E-07	1.78E-07
2075	495561.06, 3859551.99	1.88E-03	5.93E-07	1.72E-07	1.92E-03	6.05E-07	1.76E-07	1.91E-03	6.04E-07	1.76E-07
2076	495611.06, 3859551.99	1.85E-03	5.85E-07	1.70E-07	1.89E-03	5.97E-07	1.74E-07	1.89E-03	5.96E-07	1.73E-07
2077	495661.06, 3859551.99	1.82E-03	5.75E-07	1.67E-07	1.86E-03	5.87E-07	1.71E-07	1.86E-03	5.86E-07	1.71E-07
2078	494311.06, 3859601.99	3.03E-03	9.56E-07	2.78E-07	3.09E-03	9.76E-07	2.84E-07	3.09E-03	9.75E-07	2.83E-07
2079	494361.06, 3859601.99	2.88E-03	9.08E-07	2.64E-07	2.94E-03	9.27E-07	2.70E-07	2.93E-03	9.26E-07	2.69E-07
2080	494411.06, 3859601.99	2.80E-03	8.83E-07	2.57E-07	2.85E-03	9.01E-07	2.62E-07	2.85E-03	9.00E-07	2.62E-07
2081	494461.06, 3859601.99	2.79E-03	8.82E-07	2.57E-07	2.85E-03	9.00E-07	2.62E-07	2.85E-03	8.99E-07	2.61E-07
2082	494511.06, 3859601.99	2.70E-03	8.53E-07	2.48E-07	2.76E-03	8.70E-07	2.53E-07	2.75E-03	8.69E-07	2.53E-07
2083	494561.06, 3859601.99	2.69E-03	8.48E-07	2.47E-07	2.74E-03	8.66E-07	2.52E-07	2.74E-03	8.65E-07	2.51E-07
2084	494611.06, 3859601.99	2.66E-03	8.38E-07	2.44E-07	2.71E-03	8.56E-07	2.49E-07	2.71E-03	8.55E-07	2.49E-07
2085	494661.06, 3859601.99	2.56E-03	8.06E-07	2.35E-07	2.61E-03	8.23E-07	2.39E-07	2.60E-03	8.22E-07	2.39E-07
2086	494711.06, 3859601.99	2.48E-03	7.82E-07	2.28E-07	2.53E-03	7.98E-07	2.32E-07	2.53E-03	7.97E-07	2.32E-07
2087	494761.06, 3859601.99	2.51E-03	7.91E-07	2.30E-07	2.56E-03	8.07E-07	2.35E-07	2.55E-03	8.06E-07	2.35E-07
2088	494811.06, 3859601.99	2.42E-03	7.63E-07	2.22E-07	2.47E-03	7.79E-07	2.27E-07	2.46E-03	7.78E-07	2.26E-07
2089	494861.06, 3859601.99	2.38E-03	7.51E-07	2.18E-07	2.43E-03	7.67E-07	2.23E-07	2.43E-03	7.66E-07	2.23E-07
2090	494911.06, 3859601.99	2.32E-03	7.31E-07	2.13E-07	2.36E-03	7.46E-07	2.17E-07	2.36E-03	7.45E-07	2.17E-07
2091	494961.06, 3859601.99	2.31E-03	7.31E-07	2.13E-07	2.36E-03	7.46E-07	2.17E-07	2.36E-03	7.45E-07	2.17E-07
2092	495011.06, 3859601.99	2.25E-03	7.10E-07	2.07E-07	2.30E-03	7.25E-07	2.11E-07	2.29E-03	7.24E-07	2.11E-07
2093	495061.06, 3859601.99	2.24E-03	7.06E-07	2.05E-07	2.28E-03	7.20E-07	2.09E-07	2.28E-03	7.19E-07	2.09E-07
2094	495111.06, 3859601.99	2.19E-03	6.91E-07	2.01E-07	2.23E-03	7.05E-07	2.05E-07	2.23E-03	7.04E-07	2.05E-07
2095	495161.06, 3859601.99	2.17E-03	6.85E-07	1.99E-07	2.21E-03	6.99E-07	2.03E-07	2.21E-03	6.98E-07	2.03E-07
2096	495211.06, 3859601.99	2.14E-03	6.76E-07	1.97E-07	2.19E-03	6.90E-07	2.01E-07	2.18E-03	6.89E-07	2.00E-07
2097	495261.06, 3859601.99	2.12E-03	6.69E-07	1.94E-07	2.16E-03	6.82E-07	1.98E-07	2.16E-03	6.82E-07	1.98E-07
2098	495311.06, 3859601.99	2.10E-03	6.62E-07	1.93E-07	2.14E-03	6.76E-07	1.97E-07	2.14E-03	6.75E-07	1.96E-07
2099	495361.06, 3859601.99	2.07E-03	6.53E-07	1.90E-07	2.11E-03	6.66E-07	1.94E-07	2.11E-03	6.65E-07	1.94E-07
2100	495411.06, 3859601.99	2.05E-03	6.46E-07	1.88E-07	2.09E-03	6.59E-07	1.92E-07	2.09E-03	6.58E-07	1.92E-07
2101	495461.06, 3859601.99	2.00E-03	6.31E-07	1.83E-07	2.04E-03	6.44E-07	1.87E-07	2.04E-03	6.43E-07	1.87E-07
2102	495511.06, 3859601.99	1.96E-03	6.17E-07	1.80E-07	2.00E-03	6.30E-07	1.83E-07	1.99E-03	6.29E-07	1.83E-07
2103	495561.06, 3859601.99	1.94E-03	6.13E-07	1.78E-07	1.98E-03	6.26E-07	1.82E-07	1.98E-03	6.25E-07	1.82E-07
2104	495611.06, 3859601.99	1.90E-03	5.98E-07	1.74E-07	1.93E-03	6.11E-07	1.78E-07	1.93E-03	6.10E-07	1.77E-07

2105	495661.06, 3859601.99	1.88E-03	5.92E-07	1.72E-07	1.92E-03	6.04E-07	1.76E-07	1.91E-03	6.04E-07	1.76E-07
2106	494311.06, 3859651.99	3.10E-03	9.78E-07	2.84E-07	3.16E-03	9.98E-07	2.90E-07	3.16E-03	9.97E-07	2.90E-07
2107	494361.06, 3859651.99	2.96E-03	9.33E-07	2.71E-07	3.02E-03	9.52E-07	2.77E-07	3.01E-03	9.51E-07	2.77E-07
2108	494411.06, 3859651.99	2.90E-03	9.15E-07	2.66E-07	2.96E-03	9.34E-07	2.72E-07	2.95E-03	9.33E-07	2.71E-07
2109	494461.06, 3859651.99	2.89E-03	9.13E-07	2.66E-07	2.95E-03	9.31E-07	2.71E-07	2.95E-03	9.30E-07	2.71E-07
2110	494511.06, 3859651.99	2.83E-03	8.93E-07	2.60E-07	2.89E-03	9.11E-07	2.65E-07	2.88E-03	9.10E-07	2.65E-07
2111	494561.06, 3859651.99	2.79E-03	8.80E-07	2.56E-07	2.85E-03	8.98E-07	2.61E-07	2.84E-03	8.97E-07	2.61E-07
2112	494611.06, 3859651.99	2.74E-03	8.66E-07	2.52E-07	2.80E-03	8.84E-07	2.57E-07	2.80E-03	8.83E-07	2.57E-07
2113	494661.06, 3859651.99	2.62E-03	8.28E-07	2.41E-07	2.68E-03	8.45E-07	2.46E-07	2.67E-03	8.44E-07	2.45E-07
2114	494711.06, 3859651.99	2.59E-03	8.16E-07	2.37E-07	2.64E-03	8.33E-07	2.42E-07	2.64E-03	8.32E-07	2.42E-07
2115	494761.06, 3859651.99	2.57E-03	8.11E-07	2.36E-07	2.62E-03	8.27E-07	2.41E-07	2.62E-03	8.26E-07	2.40E-07
2116	494811.06, 3859651.99	2.50E-03	7.91E-07	2.30E-07	2.56E-03	8.07E-07	2.35E-07	2.55E-03	8.06E-07	2.34E-07
2117	494861.06, 3859651.99	2.47E-03	7.80E-07	2.27E-07	2.52E-03	7.96E-07	2.31E-07	2.52E-03	7.95E-07	2.31E-07
2118	494911.06, 3859651.99	2.42E-03	7.65E-07	2.23E-07	2.47E-03	7.81E-07	2.27E-07	2.47E-03	7.80E-07	2.27E-07
2119	494961.06, 3859651.99	2.39E-03	7.54E-07	2.19E-07	2.44E-03	7.69E-07	2.24E-07	2.43E-03	7.68E-07	2.23E-07
2120	495011.06, 3859651.99	2.35E-03	7.41E-07	2.16E-07	2.40E-03	7.56E-07	2.20E-07	2.39E-03	7.55E-07	2.20E-07
2121	495061.06, 3859651.99	2.32E-03	7.32E-07	2.13E-07	2.37E-03	7.47E-07	2.17E-07	2.37E-03	7.46E-07	2.17E-07
2122	495111.06, 3859651.99	2.28E-03	7.19E-07	2.09E-07	2.32E-03	7.33E-07	2.13E-07	2.32E-03	7.33E-07	2.13E-07
2123	495161.06, 3859651.99	2.25E-03	7.09E-07	2.06E-07	2.29E-03	7.23E-07	2.10E-07	2.29E-03	7.22E-07	2.10E-07
2124	495211.06, 3859651.99	2.22E-03	7.01E-07	2.04E-07	2.27E-03	7.15E-07	2.08E-07	2.26E-03	7.14E-07	2.08E-07
2125	495261.06, 3859651.99	2.19E-03	6.91E-07	2.01E-07	2.23E-03	7.05E-07	2.05E-07	2.23E-03	7.04E-07	2.05E-07
2126	495311.06, 3859651.99	2.16E-03	6.82E-07	1.98E-07	2.20E-03	6.96E-07	2.02E-07	2.20E-03	6.95E-07	2.02E-07
2127	495361.06, 3859651.99	2.14E-03	6.74E-07	1.96E-07	2.18E-03	6.88E-07	2.00E-07	2.18E-03	6.87E-07	2.00E-07
2128	495411.06, 3859651.99	2.11E-03	6.64E-07	1.93E-07	2.15E-03	6.78E-07	1.97E-07	2.15E-03	6.77E-07	1.97E-07
2129	495461.06, 3859651.99	2.06E-03	6.49E-07	1.89E-07	2.10E-03	6.62E-07	1.93E-07	2.10E-03	6.62E-07	1.92E-07
2130	495511.06, 3859651.99	2.01E-03	6.36E-07	1.85E-07	2.06E-03	6.49E-07	1.89E-07	2.05E-03	6.48E-07	1.89E-07
2131	495561.06, 3859651.99	1.99E-03	6.29E-07	1.83E-07	2.03E-03	6.42E-07	1.87E-07	2.03E-03	6.41E-07	1.86E-07
2132	495611.06, 3859651.99	1.96E-03	6.19E-07	1.80E-07	2.00E-03	6.32E-07	1.84E-07	2.00E-03	6.31E-07	1.83E-07
2133	495661.06, 3859651.99	1.93E-03	6.08E-07	1.77E-07	1.97E-03	6.21E-07	1.81E-07	1.96E-03	6.20E-07	1.80E-07
2134	494311.06, 3859701.99	3.08E-03	9.72E-07	2.83E-07	3.14E-03	9.92E-07	2.88E-07	3.14E-03	9.90E-07	2.88E-07
2135	494361.06, 3859701.99	3.01E-03	9.51E-07	2.77E-07	3.07E-03	9.70E-07	2.82E-07	3.07E-03	9.69E-07	2.82E-07
2136	494411.06, 3859701.99	2.97E-03	9.39E-07	2.73E-07	3.04E-03	9.58E-07	2.79E-07	3.03E-03	9.57E-07	2.78E-07
2137	494461.06, 3859701.99	2.99E-03	9.42E-07	2.74E-07	3.05E-03	9.62E-07	2.80E-07	3.04E-03	9.60E-07	2.79E-07
2138	494511.06, 3859701.99	2.93E-03	9.24E-07	2.69E-07	2.99E-03	9.43E-07	2.74E-07	2.98E-03	9.42E-07	2.74E-07
2139	494561.06, 3859701.99	2.89E-03	9.11E-07	2.65E-07	2.95E-03	9.30E-07	2.71E-07	2.94E-03	9.29E-07	2.70E-07
2140	494611.06, 3859701.99	2.84E-03	8.97E-07	2.61E-07	2.90E-03	9.16E-07	2.66E-07	2.90E-03	9.15E-07	2.66E-07
2141	494661.06, 3859701.99	2.72E-03	8.57E-07	2.49E-07	2.77E-03	8.74E-07	2.54E-07	2.77E-03	8.73E-07	2.54E-07
2142	494711.06, 3859701.99	2.70E-03	8.51E-07	2.47E-07	2.75E-03	8.68E-07	2.53E-07	2.75E-03	8.67E-07	2.52E-07
2143	494761.06, 3859701.99	2.63E-03	8.32E-07	2.42E-07	2.69E-03	8.49E-07	2.47E-07	2.69E-03	8.48E-07	2.47E-07
2144	494811.06, 3859701.99	2.57E-03	8.12E-07	2.36E-07	2.63E-03	8.29E-07	2.41E-07	2.62E-03	8.28E-07	2.41E-07
2145	494861.06, 3859701.99	2.56E-03	8.08E-07	2.35E-07	2.61E-03	8.25E-07	2.40E-07	2.61E-03	8.24E-07	2.40E-07
2146	494911.06, 3859701.99	2.51E-03	7.92E-07	2.31E-07	2.56E-03	8.09E-07	2.35E-07	2.56E-03	8.08E-07	2.35E-07
2147	494961.06, 3859701.99	2.46E-03	7.78E-07	2.26E-07	2.51E-03	7.94E-07	2.31E-07	2.51E-03	7.93E-07	2.31E-07
2148	495011.06, 3859701.99	2.44E-03	7.69E-07	2.24E-07	2.48E-03	7.84E-07	2.28E-07	2.48E-03	7.83E-07	2.28E-07
2149	495061.06, 3859701.99	2.40E-03	7.56E-07	2.20E-07	2.45E-03	7.72E-07	2.25E-07	2.44E-03	7.71E-07	2.24E-07
2150	495111.06, 3859701.99	2.36E-03	7.44E-07	2.16E-07	2.41E-03	7.59E-07	2.21E-07	2.40E-03	7.59E-07	2.21E-07
2151	495161.06, 3859701.99	2.32E-03	7.31E-07	2.13E-07	2.36E-03	7.46E-07	2.17E-07	2.36E-03	7.45E-07	2.17E-07
2152	495211.06, 3859701.99	2.27E-03	7.18E-07	2.09E-07	2.32E-03	7.33E-07	2.13E-07	2.32E-03	7.32E-07	2.13E-07
2153	495261.06, 3859701.99	2.26E-03	7.13E-07	2.07E-07	2.31E-03	7.28E-07	2.12E-07	2.30E-03	7.27E-07	2.11E-07
2154	495311.06, 3859701.99	2.22E-03	7.01E-07	2.04E-07	2.27E-03	7.16E-07	2.08E-07	2.26E-03	7.15E-07	2.08E-07
2155	495361.06, 3859701.99	2.19E-03	6.90E-07	2.01E-07	2.23E-03	7.05E-07	2.05E-07	2.23E-03	7.04E-07	2.05E-07
2156	495411.06, 3859701.99	2.14E-03	6.76E-07	1.97E-07	2.19E-03	6.90E-07	2.01E-07	2.18E-03	6.89E-07	2.01E-07
2157	495461.06, 3859701.99	2.11E-03	6.66E-07	1.94E-07	2.15E-03	6.79E-07	1.98E-07	2.15E-03	6.78E-07	1.97E-07
2158	495511.06, 3859701.99	2.05E-03	6.47E-07	1.88E-07	2.09E-03	6.61E-07	1.92E-07	2.09E-03	6.60E-07	1.92E-07
2159	495561.06, 3859701.99	2.04E-03	6.45E-07	1.88E-07	2.09E-03	6.58E-07	1.91E-07	2.08E-03	6.58E-07	1.91E-07
2160	495611.06, 3859701.99	2.01E-03	6.36E-07	1.85E-07	2.05E-03	6.49E-07	1.89E-07	2.05E-03	6.48E-07	1.88E-07
2161	495661.06, 3859701.99	1.98E-03	6.25E-07	1.82E-07	2.02E-03	6.38E-07	1.86E-07	2.02E-03	6.37E-07	1.85E-07
2162	494311.06, 3859751.99	3.20E-03	1.01E-06	2.94E-07	3.27E-03	1.03E-06	3.00E-07	3.27E-03	1.03E-06	3.00E-07
2163	494361.06, 3859751.99	3.14E-03	9.91E-07	2.88E-07	3.20E-03	1.01E-06	2.94E-07	3.20E-03	1.01E-06	2.94E-07
2164	494411.06, 3859751.99	3.07E-03	9.68E-07	2.81E-07	3.13E-03	9.88E-07	2.87E-07	3.13E-03	9.86E-07	2.87E-07
2165	494461.06, 3859751.99	3.06E-03	9.66E-07	2.81E-07	3.12E-03	9.86E-07	2.87E-07	3.12E-03	9.85E-07	2.86E-07
2166	494511.06, 3859751.99	3.04E-03	9.58E-07	2.79E-07	3.10E-03	9.78E-07	2.84E-07	3.09E-03	9.77E-07	2.84E-07

2167	494561.06, 3859751.99	2.98E-03	9.40E-07	2.74E-07	3.04E-03	9.60E-07	2.79E-07	3.04E-03	9.58E-07	2.79E-07
2168	494611.06, 3859751.99	2.91E-03	9.18E-07	2.67E-07	2.97E-03	9.37E-07	2.73E-07	2.97E-03	9.36E-07	2.72E-07
2169	494661.06, 3859751.99	2.80E-03	8.83E-07	2.57E-07	2.85E-03	9.01E-07	2.62E-07	2.85E-03	9.00E-07	2.62E-07
2170	494711.06, 3859751.99	2.79E-03	8.79E-07	2.56E-07	2.84E-03	8.97E-07	2.61E-07	2.84E-03	8.96E-07	2.61E-07
2171	494761.06, 3859751.99	2.75E-03	8.67E-07	2.52E-07	2.80E-03	8.85E-07	2.57E-07	2.80E-03	8.84E-07	2.57E-07
2172	494811.06, 3859751.99	2.69E-03	8.49E-07	2.47E-07	2.74E-03	8.66E-07	2.52E-07	2.74E-03	8.65E-07	2.52E-07
2173	494861.06, 3859751.99	2.65E-03	8.35E-07	2.43E-07	2.70E-03	8.52E-07	2.48E-07	2.70E-03	8.51E-07	2.48E-07
2174	494911.06, 3859751.99	2.60E-03	8.22E-07	2.39E-07	2.66E-03	8.39E-07	2.44E-07	2.65E-03	8.38E-07	2.44E-07
2175	494961.06, 3859751.99	2.56E-03	8.09E-07	2.35E-07	2.61E-03	8.25E-07	2.40E-07	2.61E-03	8.24E-07	2.40E-07
2176	495011.06, 3859751.99	2.52E-03	7.95E-07	2.31E-07	2.57E-03	8.11E-07	2.36E-07	2.57E-03	8.10E-07	2.36E-07
2177	495061.06, 3859751.99	2.49E-03	7.85E-07	2.28E-07	2.54E-03	8.01E-07	2.33E-07	2.53E-03	8.00E-07	2.33E-07
2178	495111.06, 3859751.99	2.44E-03	7.72E-07	2.24E-07	2.49E-03	7.87E-07	2.29E-07	2.49E-03	7.86E-07	2.29E-07
2179	495161.06, 3859751.99	2.40E-03	7.57E-07	2.20E-07	2.45E-03	7.73E-07	2.25E-07	2.45E-03	7.72E-07	2.25E-07
2180	495211.06, 3859751.99	2.35E-03	7.43E-07	2.16E-07	2.40E-03	7.58E-07	2.21E-07	2.40E-03	7.58E-07	2.20E-07
2181	495261.06, 3859751.99	2.32E-03	7.34E-07	2.13E-07	2.37E-03	7.49E-07	2.18E-07	2.37E-03	7.48E-07	2.17E-07
2182	495311.06, 3859751.99	2.29E-03	7.21E-07	2.10E-07	2.33E-03	7.36E-07	2.14E-07	2.33E-03	7.35E-07	2.14E-07
2183	495361.06, 3859751.99	2.25E-03	7.10E-07	2.07E-07	2.30E-03	7.25E-07	2.11E-07	2.29E-03	7.24E-07	2.11E-07
2184	495411.06, 3859751.99	2.22E-03	6.99E-07	2.03E-07	2.26E-03	7.14E-07	2.08E-07	2.26E-03	7.13E-07	2.07E-07
2185	495461.06, 3859751.99	2.17E-03	6.85E-07	1.99E-07	2.21E-03	6.99E-07	2.03E-07	2.21E-03	6.98E-07	2.03E-07
2186	495511.06, 3859751.99	2.12E-03	6.70E-07	1.95E-07	2.17E-03	6.84E-07	1.99E-07	2.16E-03	6.83E-07	1.99E-07
2187	495561.06, 3859751.99	2.09E-03	6.60E-07	1.92E-07	2.13E-03	6.74E-07	1.96E-07	2.13E-03	6.73E-07	1.96E-07
2188	495611.06, 3859751.99	2.06E-03	6.50E-07	1.89E-07	2.10E-03	6.64E-07	1.93E-07	2.10E-03	6.63E-07	1.93E-07
2189	495661.06, 3859751.99	2.04E-03	6.43E-07	1.87E-07	2.08E-03	6.56E-07	1.91E-07	2.08E-03	6.55E-07	1.91E-07
2190	494311.06, 3859801.99	3.32E-03	1.05E-06	3.05E-07	3.39E-03	1.07E-06	3.11E-07	3.39E-03	1.07E-06	3.11E-07
2191	494361.06, 3859801.99	3.23E-03	1.02E-06	2.97E-07	3.30E-03	1.04E-06	3.03E-07	3.30E-03	1.04E-06	3.03E-07
2192	494411.06, 3859801.99	3.14E-03	9.92E-07	2.88E-07	3.21E-03	1.01E-06	2.94E-07	3.20E-03	1.01E-06	2.94E-07
2193	494461.06, 3859801.99	3.13E-03	9.88E-07	2.87E-07	3.20E-03	1.01E-06	2.93E-07	3.19E-03	1.01E-06	2.93E-07
2194	494511.06, 3859801.99	3.13E-03	9.87E-07	2.87E-07	3.19E-03	1.01E-06	2.93E-07	3.19E-03	1.01E-06	2.93E-07
2195	494561.06, 3859801.99	3.07E-03	9.69E-07	2.82E-07	3.13E-03	9.89E-07	2.88E-07	3.13E-03	9.87E-07	2.87E-07
2196	494611.06, 3859801.99	2.97E-03	9.36E-07	2.72E-07	3.03E-03	9.56E-07	2.78E-07	3.02E-03	9.54E-07	2.78E-07
2197	494661.06, 3859801.99	2.91E-03	9.17E-07	2.67E-07	2.97E-03	9.36E-07	2.72E-07	2.96E-03	9.35E-07	2.72E-07
2198	494711.06, 3859801.99	2.84E-03	8.95E-07	2.60E-07	2.89E-03	9.13E-07	2.66E-07	2.89E-03	9.12E-07	2.65E-07
2199	494761.06, 3859801.99	2.83E-03	8.93E-07	2.60E-07	2.89E-03	9.11E-07	2.65E-07	2.88E-03	9.10E-07	2.65E-07
2200	494811.06, 3859801.99	2.77E-03	8.76E-07	2.55E-07	2.83E-03	8.93E-07	2.60E-07	2.83E-03	8.92E-07	2.60E-07
2201	494861.06, 3859801.99	2.73E-03	8.63E-07	2.51E-07	2.79E-03	8.81E-07	2.56E-07	2.79E-03	8.80E-07	2.56E-07
2202	494911.06, 3859801.99	2.68E-03	8.45E-07	2.46E-07	2.73E-03	8.62E-07	2.51E-07	2.73E-03	8.61E-07	2.50E-07
2203	494961.06, 3859801.99	2.63E-03	8.31E-07	2.42E-07	2.69E-03	8.48E-07	2.47E-07	2.68E-03	8.47E-07	2.46E-07
2204	495011.06, 3859801.99	2.59E-03	8.17E-07	2.38E-07	2.64E-03	8.33E-07	2.42E-07	2.64E-03	8.32E-07	2.42E-07
2205	495061.06, 3859801.99	2.55E-03	8.05E-07	2.34E-07	2.60E-03	8.22E-07	2.39E-07	2.60E-03	8.21E-07	2.39E-07
2206	495111.06, 3859801.99	2.50E-03	7.89E-07	2.30E-07	2.55E-03	8.06E-07	2.34E-07	2.55E-03	8.05E-07	2.34E-07
2207	495161.06, 3859801.99	2.46E-03	7.75E-07	2.25E-07	2.51E-03	7.91E-07	2.30E-07	2.50E-03	7.90E-07	2.30E-07
2208	495211.06, 3859801.99	2.42E-03	7.64E-07	2.22E-07	2.47E-03	7.80E-07	2.27E-07	2.47E-03	7.79E-07	2.27E-07
2209	495261.06, 3859801.99	2.38E-03	7.50E-07	2.18E-07	2.42E-03	7.65E-07	2.23E-07	2.42E-03	7.64E-07	2.22E-07
2210	495311.06, 3859801.99	2.35E-03	7.40E-07	2.15E-07	2.39E-03	7.56E-07	2.20E-07	2.39E-03	7.55E-07	2.20E-07
2211	495361.06, 3859801.99	2.31E-03	7.28E-07	2.12E-07	2.35E-03	7.43E-07	2.16E-07	2.35E-03	7.42E-07	2.16E-07
2212	495411.06, 3859801.99	2.26E-03	7.14E-07	2.08E-07	2.31E-03	7.28E-07	2.12E-07	2.31E-03	7.28E-07	2.12E-07
2213	495461.06, 3859801.99	2.23E-03	7.03E-07	2.04E-07	2.27E-03	7.17E-07	2.09E-07	2.27E-03	7.16E-07	2.08E-07
2214	495511.06, 3859801.99	2.18E-03	6.87E-07	2.00E-07	2.22E-03	7.01E-07	2.04E-07	2.22E-03	7.00E-07	2.04E-07
2215	495561.06, 3859801.99	2.15E-03	6.78E-07	1.97E-07	2.19E-03	6.91E-07	2.01E-07	2.19E-03	6.91E-07	2.01E-07
2216	495611.06, 3859801.99	2.13E-03	6.72E-07	1.95E-07	2.17E-03	6.86E-07	1.99E-07	2.17E-03	6.85E-07	1.99E-07
2217	495661.06, 3859801.99	2.09E-03	6.59E-07	1.92E-07	2.13E-03	6.72E-07	1.95E-07	2.13E-03	6.71E-07	1.95E-07
2218	494311.06, 3859851.99	3.41E-03	1.08E-06	3.13E-07	3.48E-03	1.10E-06	3.19E-07	3.48E-03	1.10E-06	3.19E-07
2219	494361.06, 3859851.99	3.33E-03	1.05E-06	3.06E-07	3.40E-03	1.07E-06	3.12E-07	3.40E-03	1.07E-06	3.12E-07
2220	494411.06, 3859851.99	3.25E-03	1.02E-06	2.98E-07	3.31E-03	1.05E-06	3.04E-07	3.31E-03	1.04E-06	3.04E-07
2221	494461.06, 3859851.99	3.18E-03	1.00E-06	2.92E-07	3.25E-03	1.03E-06	2.98E-07	3.24E-03	1.02E-06	2.98E-07
2222	494511.06, 3859851.99	3.16E-03	9.97E-07	2.90E-07	3.22E-03	1.02E-06	2.96E-07	3.22E-03	1.02E-06	2.95E-07
2223	494561.06, 3859851.99	3.14E-03	9.92E-07	2.88E-07	3.21E-03	1.01E-06	2.94E-07	3.20E-03	1.01E-06	2.94E-07
2224	494611.06, 3859851.99	3.03E-03	9.56E-07	2.78E-07	3.09E-03	9.76E-07	2.84E-07	3.09E-03	9.75E-07	2.84E-07
2225	494661.06, 3859851.99	3.00E-03	9.46E-07	2.75E-07	3.06E-03	9.66E-07	2.81E-07	3.06E-03	9.65E-07	2.81E-07
2226	494711.06, 3859851.99	2.92E-03	9.21E-07	2.68E-07	2.98E-03	9.39E-07	2.73E-07	2.97E-03	9.38E-07	2.73E-07
2227	494761.06, 3859851.99	2.90E-03	9.16E-07	2.67E-07	2.96E-03	9.35E-07	2.72E-07	2.96E-03	9.34E-07	2.72E-07
2228	494811.06, 3859851.99	2.85E-03	8.99E-07	2.62E-07	2.91E-03	9.18E-07	2.67E-07	2.90E-03	9.17E-07	2.67E-07

2229	494861.06, 3859851.99	2.81E-03	8.88E-07	2.58E-07	2.87E-03	9.06E-07	2.64E-07	2.87E-03	9.05E-07	2.63E-07
2230	494911.06, 3859851.99	2.75E-03	8.69E-07	2.53E-07	2.81E-03	8.87E-07	2.58E-07	2.81E-03	8.86E-07	2.58E-07
2231	494961.06, 3859851.99	2.71E-03	8.55E-07	2.49E-07	2.76E-03	8.72E-07	2.54E-07	2.76E-03	8.71E-07	2.53E-07
2232	495011.06, 3859851.99	2.66E-03	8.40E-07	2.44E-07	2.72E-03	8.58E-07	2.49E-07	2.71E-03	8.57E-07	2.49E-07
2233	495061.06, 3859851.99	2.62E-03	8.28E-07	2.41E-07	2.68E-03	8.45E-07	2.46E-07	2.68E-03	8.44E-07	2.46E-07
2234	495111.06, 3859851.99	2.57E-03	8.11E-07	2.36E-07	2.62E-03	8.28E-07	2.41E-07	2.62E-03	8.27E-07	2.40E-07
2235	495161.06, 3859851.99	2.52E-03	7.97E-07	2.32E-07	2.58E-03	8.13E-07	2.36E-07	2.57E-03	8.12E-07	2.36E-07
2236	495211.06, 3859851.99	2.48E-03	7.84E-07	2.28E-07	2.53E-03	8.00E-07	2.33E-07	2.53E-03	7.99E-07	2.32E-07
2237	495261.06, 3859851.99	2.44E-03	7.70E-07	2.24E-07	2.49E-03	7.86E-07	2.29E-07	2.49E-03	7.85E-07	2.28E-07
2238	495311.06, 3859851.99	2.41E-03	7.59E-07	2.21E-07	2.45E-03	7.75E-07	2.25E-07	2.45E-03	7.74E-07	2.25E-07
2239	495361.06, 3859851.99	2.37E-03	7.47E-07	2.17E-07	2.42E-03	7.63E-07	2.22E-07	2.41E-03	7.62E-07	2.22E-07
2240	495411.06, 3859851.99	2.32E-03	7.33E-07	2.13E-07	2.37E-03	7.48E-07	2.18E-07	2.37E-03	7.47E-07	2.17E-07
2241	495461.06, 3859851.99	2.28E-03	7.20E-07	2.09E-07	2.33E-03	7.34E-07	2.14E-07	2.32E-03	7.33E-07	2.13E-07
2242	495511.06, 3859851.99	2.23E-03	7.05E-07	2.05E-07	2.28E-03	7.19E-07	2.09E-07	2.28E-03	7.18E-07	2.09E-07
2243	495561.06, 3859851.99	2.21E-03	6.96E-07	2.03E-07	2.25E-03	7.11E-07	2.07E-07	2.25E-03	7.10E-07	2.06E-07
2244	495611.06, 3859851.99	2.18E-03	6.88E-07	2.00E-07	2.22E-03	7.02E-07	2.04E-07	2.22E-03	7.01E-07	2.04E-07
2245	495661.06, 3859851.99	2.14E-03	6.74E-07	1.96E-07	2.18E-03	6.88E-07	2.00E-07	2.18E-03	6.87E-07	2.00E-07
2246	494311.06, 3859901.99	3.48E-03	1.10E-06	3.20E-07	3.55E-03	1.12E-06	3.26E-07	3.55E-03	1.12E-06	3.26E-07
2247	494361.06, 3859901.99	3.37E-03	1.06E-06	3.09E-07	3.44E-03	1.09E-06	3.16E-07	3.44E-03	1.08E-06	3.15E-07
2248	494411.06, 3859901.99	3.33E-03	1.05E-06	3.06E-07	3.40E-03	1.07E-06	3.12E-07	3.39E-03	1.07E-06	3.12E-07
2249	494461.06, 3859901.99	3.27E-03	1.03E-06	3.00E-07	3.33E-03	1.05E-06	3.06E-07	3.33E-03	1.05E-06	3.06E-07
2250	494511.06, 3859901.99	3.22E-03	1.02E-06	2.96E-07	3.29E-03	1.04E-06	3.02E-07	3.28E-03	1.04E-06	3.01E-07
2251	494561.06, 3859901.99	3.22E-03	1.02E-06	2.95E-07	3.28E-03	1.04E-06	3.02E-07	3.28E-03	1.04E-06	3.01E-07
2252	494611.06, 3859901.99	3.10E-03	9.78E-07	2.85E-07	3.16E-03	9.98E-07	2.90E-07	3.16E-03	9.97E-07	2.90E-07
2253	494661.06, 3859901.99	3.09E-03	9.74E-07	2.83E-07	3.15E-03	9.94E-07	2.89E-07	3.15E-03	9.93E-07	2.89E-07
2254	494711.06, 3859901.99	2.98E-03	9.40E-07	2.73E-07	3.04E-03	9.59E-07	2.79E-07	3.03E-03	9.58E-07	2.79E-07
2255	494761.06, 3859901.99	2.95E-03	9.32E-07	2.71E-07	3.01E-03	9.51E-07	2.77E-07	3.01E-03	9.49E-07	2.76E-07
2256	494811.06, 3859901.99	2.93E-03	9.24E-07	2.69E-07	2.99E-03	9.43E-07	2.74E-07	2.98E-03	9.42E-07	2.74E-07
2257	494861.06, 3859901.99	2.89E-03	9.11E-07	2.65E-07	2.95E-03	9.30E-07	2.70E-07	2.94E-03	9.29E-07	2.70E-07
2258	494911.06, 3859901.99	2.82E-03	8.92E-07	2.59E-07	2.88E-03	9.10E-07	2.65E-07	2.88E-03	9.09E-07	2.64E-07
2259	494961.06, 3859901.99	2.78E-03	8.79E-07	2.56E-07	2.84E-03	8.97E-07	2.61E-07	2.84E-03	8.95E-07	2.60E-07
2260	495011.06, 3859901.99	2.73E-03	8.61E-07	2.51E-07	2.79E-03	8.79E-07	2.56E-07	2.78E-03	8.78E-07	2.55E-07
2261	495061.06, 3859901.99	2.68E-03	8.47E-07	2.46E-07	2.74E-03	8.64E-07	2.51E-07	2.73E-03	8.63E-07	2.51E-07
2262	495111.06, 3859901.99	2.63E-03	8.29E-07	2.41E-07	2.68E-03	8.45E-07	2.46E-07	2.68E-03	8.44E-07	2.46E-07
2263	495161.06, 3859901.99	2.57E-03	8.12E-07	2.36E-07	2.63E-03	8.29E-07	2.41E-07	2.62E-03	8.28E-07	2.41E-07
2264	495211.06, 3859901.99	2.54E-03	8.02E-07	2.33E-07	2.59E-03	8.18E-07	2.38E-07	2.59E-03	8.17E-07	2.38E-07
2265	495261.06, 3859901.99	2.48E-03	7.84E-07	2.28E-07	2.53E-03	8.00E-07	2.33E-07	2.53E-03	7.99E-07	2.32E-07
2266	495311.06, 3859901.99	2.45E-03	7.74E-07	2.25E-07	2.50E-03	7.90E-07	2.30E-07	2.50E-03	7.89E-07	2.30E-07
2267	495361.06, 3859901.99	2.41E-03	7.61E-07	2.21E-07	2.46E-03	7.76E-07	2.26E-07	2.46E-03	7.75E-07	2.26E-07
2268	495411.06, 3859901.99	2.36E-03	7.46E-07	2.17E-07	2.41E-03	7.61E-07	2.21E-07	2.41E-03	7.60E-07	2.21E-07
2269	495461.06, 3859901.99	2.32E-03	7.33E-07	2.13E-07	2.37E-03	7.48E-07	2.17E-07	2.37E-03	7.47E-07	2.17E-07
2270	495511.06, 3859901.99	2.29E-03	7.23E-07	2.10E-07	2.34E-03	7.38E-07	2.15E-07	2.33E-03	7.37E-07	2.14E-07
2271	495561.06, 3859901.99	2.26E-03	7.14E-07	2.08E-07	2.31E-03	7.28E-07	2.12E-07	2.30E-03	7.27E-07	2.12E-07
2272	495611.06, 3859901.99	2.22E-03	7.00E-07	2.04E-07	2.26E-03	7.15E-07	2.08E-07	2.26E-03	7.14E-07	2.08E-07
2273	495661.06, 3859901.99	2.18E-03	6.87E-07	2.00E-07	2.22E-03	7.01E-07	2.04E-07	2.22E-03	7.00E-07	2.04E-07
2274	494311.06, 3859951.99	3.56E-03	1.12E-06	3.27E-07	3.64E-03	1.15E-06	3.34E-07	3.63E-03	1.15E-06	3.33E-07
2275	494361.06, 3859951.99	3.48E-03	1.10E-06	3.19E-07	3.55E-03	1.12E-06	3.26E-07	3.54E-03	1.12E-06	3.25E-07
2276	494411.06, 3859951.99	3.40E-03	1.07E-06	3.12E-07	3.47E-03	1.10E-06	3.19E-07	3.47E-03	1.09E-06	3.18E-07
2277	494461.06, 3859951.99	3.34E-03	1.05E-06	3.06E-07	3.40E-03	1.07E-06	3.12E-07	3.40E-03	1.07E-06	3.12E-07
2278	494511.06, 3859951.99	3.29E-03	1.04E-06	3.02E-07	3.36E-03	1.06E-06	3.08E-07	3.35E-03	1.06E-06	3.08E-07
2279	494561.06, 3859951.99	3.30E-03	1.04E-06	3.03E-07	3.37E-03	1.06E-06	3.09E-07	3.36E-03	1.06E-06	3.09E-07
2280	494611.06, 3859951.99	3.19E-03	1.01E-06	2.93E-07	3.25E-03	1.03E-06	2.99E-07	3.25E-03	1.03E-06	2.98E-07
2281	494661.06, 3859951.99	3.17E-03	1.00E-06	2.91E-07	3.23E-03	1.02E-06	2.97E-07	3.23E-03	1.02E-06	2.97E-07
2282	494711.06, 3859951.99	3.07E-03	9.69E-07	2.82E-07	3.13E-03	9.89E-07	2.88E-07	3.13E-03	9.88E-07	2.87E-07
2283	494761.06, 3859951.99	3.03E-03	9.57E-07	2.78E-07	3.09E-03	9.76E-07	2.84E-07	3.09E-03	9.75E-07	2.84E-07
2284	494811.06, 3859951.99	2.98E-03	9.42E-07	2.74E-07	3.05E-03	9.61E-07	2.80E-07	3.04E-03	9.60E-07	2.79E-07
2285	494861.06, 3859951.99	2.95E-03	9.33E-07	2.71E-07	3.01E-03	9.52E-07	2.77E-07	3.01E-03	9.50E-07	2.76E-07
2286	494911.06, 3859951.99	2.89E-03	9.12E-07	2.65E-07	2.95E-03	9.31E-07	2.71E-07	2.94E-03	9.29E-07	2.70E-07
2287	494961.06, 3859951.99	2.83E-03	8.93E-07	2.60E-07	2.89E-03	9.12E-07	2.65E-07	2.89E-03	9.11E-07	2.65E-07
2288	495011.06, 3859951.99	2.78E-03	8.77E-07	2.55E-07	2.83E-03	8.95E-07	2.60E-07	2.83E-03	8.94E-07	2.60E-07
2289	495061.06, 3859951.99	2.73E-03	8.63E-07	2.51E-07	2.79E-03	8.81E-07	2.56E-07	2.79E-03	8.80E-07	2.56E-07
2290	495111.06, 3859951.99	2.68E-03	8.45E-07	2.46E-07	2.73E-03	8.62E-07	2.51E-07	2.73E-03	8.61E-07	2.50E-07

2291	495161.06, 3859951.99	2.62E-03	8.27E-07	2.41E-07	2.68E-03	8.44E-07	2.46E-07	2.67E-03	8.43E-07	2.45E-07
2292	495211.06, 3859951.99	2.57E-03	8.11E-07	2.36E-07	2.62E-03	8.28E-07	2.41E-07	2.62E-03	8.27E-07	2.40E-07
2293	495261.06, 3859951.99	2.53E-03	7.97E-07	2.32E-07	2.58E-03	8.14E-07	2.37E-07	2.57E-03	8.13E-07	2.36E-07
2294	495311.06, 3859951.99	2.50E-03	7.88E-07	2.29E-07	2.55E-03	8.05E-07	2.34E-07	2.55E-03	8.04E-07	2.34E-07
2295	495361.06, 3859951.99	2.46E-03	7.77E-07	2.26E-07	2.51E-03	7.92E-07	2.30E-07	2.51E-03	7.91E-07	2.30E-07
2296	495411.06, 3859951.99	2.41E-03	7.61E-07	2.21E-07	2.46E-03	7.77E-07	2.26E-07	2.46E-03	7.76E-07	2.26E-07
2297	495461.06, 3859951.99	2.37E-03	7.48E-07	2.18E-07	2.42E-03	7.63E-07	2.22E-07	2.42E-03	7.62E-07	2.22E-07
2298	495511.06, 3859951.99	2.33E-03	7.35E-07	2.14E-07	2.38E-03	7.50E-07	2.18E-07	2.37E-03	7.49E-07	2.18E-07
2299	495561.06, 3859951.99	2.31E-03	7.28E-07	2.12E-07	2.35E-03	7.43E-07	2.16E-07	2.35E-03	7.42E-07	2.16E-07
2300	495611.06, 3859951.99	2.26E-03	7.15E-07	2.08E-07	2.31E-03	7.29E-07	2.12E-07	2.31E-03	7.28E-07	2.12E-07
2301	495661.06, 3859951.99	2.22E-03	7.00E-07	2.03E-07	2.26E-03	7.14E-07	2.08E-07	2.26E-03	7.13E-07	2.07E-07
2302	494311.06, 3860001.99	3.63E-03	1.15E-06	3.33E-07	3.71E-03	1.17E-06	3.40E-07	3.70E-03	1.17E-06	3.40E-07
2303	494361.06, 3860001.99	3.56E-03	1.12E-06	3.27E-07	3.63E-03	1.15E-06	3.33E-07	3.63E-03	1.14E-06	3.33E-07
2304	494411.06, 3860001.99	3.46E-03	1.09E-06	3.18E-07	3.53E-03	1.11E-06	3.24E-07	3.52E-03	1.11E-06	3.24E-07
2305	494461.06, 3860001.99	3.41E-03	1.08E-06	3.13E-07	3.48E-03	1.10E-06	3.19E-07	3.47E-03	1.10E-06	3.19E-07
2306	494511.06, 3860001.99	3.33E-03	1.05E-06	3.06E-07	3.40E-03	1.07E-06	3.12E-07	3.39E-03	1.07E-06	3.12E-07
2307	494561.06, 3860001.99	3.36E-03	1.06E-06	3.09E-07	3.43E-03	1.08E-06	3.15E-07	3.43E-03	1.08E-06	3.15E-07
2308	494611.06, 3860001.99	3.28E-03	1.04E-06	3.01E-07	3.35E-03	1.06E-06	3.07E-07	3.34E-03	1.06E-06	3.07E-07
2309	494661.06, 3860001.99	3.23E-03	1.02E-06	2.97E-07	3.30E-03	1.04E-06	3.03E-07	3.29E-03	1.04E-06	3.02E-07
2310	494711.06, 3860001.99	3.10E-03	9.78E-07	2.85E-07	3.16E-03	9.98E-07	2.90E-07	3.16E-03	9.97E-07	2.90E-07
2311	494761.06, 3860001.99	3.09E-03	9.76E-07	2.84E-07	3.16E-03	9.96E-07	2.90E-07	3.15E-03	9.95E-07	2.89E-07
2312	494811.06, 3860001.99	3.05E-03	9.64E-07	2.80E-07	3.12E-03	9.83E-07	2.86E-07	3.11E-03	9.82E-07	2.86E-07
2313	494861.06, 3860001.99	3.02E-03	9.53E-07	2.77E-07	3.08E-03	9.73E-07	2.83E-07	3.08E-03	9.71E-07	2.83E-07
2314	494911.06, 3860001.99	2.91E-03	9.18E-07	2.67E-07	2.97E-03	9.36E-07	2.72E-07	2.96E-03	9.35E-07	2.72E-07
2315	494961.06, 3860001.99	2.87E-03	9.07E-07	2.64E-07	2.93E-03	9.25E-07	2.69E-07	2.93E-03	9.24E-07	2.69E-07
2316	495011.06, 3860001.99	2.81E-03	8.88E-07	2.58E-07	2.87E-03	9.06E-07	2.64E-07	2.87E-03	9.05E-07	2.63E-07
2317	495061.06, 3860001.99	2.78E-03	8.78E-07	2.56E-07	2.84E-03	8.96E-07	2.61E-07	2.84E-03	8.95E-07	2.60E-07
2318	495111.06, 3860001.99	2.73E-03	8.60E-07	2.50E-07	2.78E-03	8.78E-07	2.55E-07	2.78E-03	8.77E-07	2.55E-07
2319	495161.06, 3860001.99	2.67E-03	8.42E-07	2.45E-07	2.72E-03	8.60E-07	2.50E-07	2.72E-03	8.58E-07	2.50E-07
2320	495211.06, 3860001.99	2.64E-03	8.33E-07	2.42E-07	2.69E-03	8.50E-07	2.47E-07	2.69E-03	8.49E-07	2.47E-07
2321	495261.06, 3860001.99	2.59E-03	8.17E-07	2.38E-07	2.64E-03	8.33E-07	2.42E-07	2.64E-03	8.32E-07	2.42E-07
2322	495311.06, 3860001.99	2.55E-03	8.04E-07	2.34E-07	2.60E-03	8.21E-07	2.39E-07	2.60E-03	8.20E-07	2.38E-07
2323	495361.06, 3860001.99	2.48E-03	7.84E-07	2.28E-07	2.53E-03	8.00E-07	2.33E-07	2.53E-03	7.99E-07	2.32E-07
2324	495411.06, 3860001.99	2.46E-03	7.77E-07	2.26E-07	2.51E-03	7.93E-07	2.31E-07	2.51E-03	7.92E-07	2.30E-07
2325	495461.06, 3860001.99	2.42E-03	7.64E-07	2.22E-07	2.47E-03	7.79E-07	2.27E-07	2.47E-03	7.78E-07	2.26E-07
2326	495511.06, 3860001.99	2.38E-03	7.51E-07	2.19E-07	2.43E-03	7.67E-07	2.23E-07	2.43E-03	7.66E-07	2.23E-07
2327	495561.06, 3860001.99	2.35E-03	7.43E-07	2.16E-07	2.40E-03	7.58E-07	2.20E-07	2.40E-03	7.57E-07	2.20E-07
2328	495611.06, 3860001.99	2.31E-03	7.28E-07	2.12E-07	2.35E-03	7.43E-07	2.16E-07	2.35E-03	7.42E-07	2.16E-07
2329	495661.06, 3860001.99	2.26E-03	7.14E-07	2.08E-07	2.31E-03	7.28E-07	2.12E-07	2.31E-03	7.28E-07	2.12E-07
2330	494411.06, 3860051.99	3.53E-03	1.11E-06	3.24E-07	3.60E-03	1.14E-06	3.31E-07	3.60E-03	1.14E-06	3.31E-07
2331	494461.06, 3860051.99	3.46E-03	1.09E-06	3.18E-07	3.53E-03	1.11E-06	3.24E-07	3.53E-03	1.11E-06	3.24E-07
2332	494511.06, 3860051.99	3.40E-03	1.07E-06	3.12E-07	3.47E-03	1.09E-06	3.18E-07	3.46E-03	1.09E-06	3.18E-07
2333	494561.06, 3860051.99	3.38E-03	1.07E-06	3.11E-07	3.45E-03	1.09E-06	3.17E-07	3.45E-03	1.09E-06	3.17E-07
2334	494611.06, 3860051.99	3.34E-03	1.05E-06	3.07E-07	3.41E-03	1.08E-06	3.13E-07	3.40E-03	1.07E-06	3.13E-07
2335	494661.06, 3860051.99	3.29E-03	1.04E-06	3.02E-07	3.36E-03	1.06E-06	3.08E-07	3.35E-03	1.06E-06	3.08E-07
2336	494711.06, 3860051.99	3.19E-03	1.01E-06	2.93E-07	3.26E-03	1.03E-06	2.99E-07	3.25E-03	1.03E-06	2.99E-07
2337	494761.06, 3860051.99	3.15E-03	9.94E-07	2.89E-07	3.21E-03	1.01E-06	2.95E-07	3.21E-03	1.01E-06	2.95E-07
2338	494811.06, 3860051.99	3.12E-03	9.86E-07	2.87E-07	3.19E-03	1.01E-06	2.93E-07	3.18E-03	1.00E-06	2.92E-07
2339	494861.06, 3860051.99	3.09E-03	9.76E-07	2.84E-07	3.16E-03	9.96E-07	2.90E-07	3.15E-03	9.95E-07	2.89E-07
2340	494911.06, 3860051.99	3.02E-03	9.53E-07	2.77E-07	3.08E-03	9.72E-07	2.83E-07	3.08E-03	9.71E-07	2.82E-07
2341	494961.06, 3860051.99	2.94E-03	9.29E-07	2.70E-07	3.00E-03	9.48E-07	2.76E-07	3.00E-03	9.47E-07	2.75E-07
2342	495011.06, 3860051.99	2.88E-03	9.08E-07	2.64E-07	2.94E-03	9.27E-07	2.70E-07	2.93E-03	9.26E-07	2.69E-07
2343	495061.06, 3860051.99	2.83E-03	8.92E-07	2.59E-07	2.88E-03	9.10E-07	2.65E-07	2.88E-03	9.09E-07	2.64E-07
2344	495111.06, 3860051.99	2.76E-03	8.71E-07	2.53E-07	2.82E-03	8.89E-07	2.58E-07	2.81E-03	8.87E-07	2.58E-07
2345	495161.06, 3860051.99	2.71E-03	8.56E-07	2.49E-07	2.77E-03	8.73E-07	2.54E-07	2.76E-03	8.72E-07	2.54E-07
2346	495211.06, 3860051.99	2.66E-03	8.39E-07	2.44E-07	2.71E-03	8.56E-07	2.49E-07	2.71E-03	8.55E-07	2.49E-07
2347	495261.06, 3860051.99	2.62E-03	8.27E-07	2.40E-07	2.67E-03	8.44E-07	2.45E-07	2.67E-03	8.43E-07	2.45E-07
2348	495311.06, 3860051.99	2.59E-03	8.16E-07	2.37E-07	2.64E-03	8.33E-07	2.42E-07	2.64E-03	8.32E-07	2.42E-07
2349	495361.06, 3860051.99	2.55E-03	8.04E-07	2.34E-07	2.60E-03	8.20E-07	2.39E-07	2.60E-03	8.19E-07	2.38E-07
2350	495411.06, 3860051.99	2.51E-03	7.91E-07	2.30E-07	2.56E-03	8.07E-07	2.35E-07	2.55E-03	8.06E-07	2.34E-07
2351	495461.06, 3860051.99	2.46E-03	7.77E-07	2.26E-07	2.51E-03	7.93E-07	2.31E-07	2.51E-03	7.92E-07	2.30E-07
2352	495511.06, 3860051.99	2.43E-03	7.66E-07	2.23E-07	2.48E-03	7.82E-07	2.27E-07	2.47E-03	7.81E-07	2.27E-07

2353	495561.06, 3860051.99	2.39E-03	7.54E-07	2.19E-07	2.44E-03	7.70E-07	2.24E-07	2.44E-03	7.69E-07	2.24E-07
2354	495611.06, 3860051.99	2.35E-03	7.41E-07	2.15E-07	2.39E-03	7.56E-07	2.20E-07	2.39E-03	7.55E-07	2.20E-07
2355	495661.06, 3860051.99	2.30E-03	7.25E-07	2.11E-07	2.34E-03	7.40E-07	2.15E-07	2.34E-03	7.39E-07	2.15E-07
2356	494411.06, 3860101.99	3.54E-03	1.12E-06	3.25E-07	3.61E-03	1.14E-06	3.32E-07	3.61E-03	1.14E-06	3.31E-07
2357	494461.06, 3860101.99	3.52E-03	1.11E-06	3.23E-07	3.59E-03	1.13E-06	3.30E-07	3.59E-03	1.13E-06	3.29E-07
2358	494511.06, 3860101.99	3.42E-03	1.08E-06	3.14E-07	3.49E-03	1.10E-06	3.21E-07	3.49E-03	1.10E-06	3.20E-07
2359	494561.06, 3860101.99	3.38E-03	1.07E-06	3.11E-07	3.45E-03	1.09E-06	3.17E-07	3.45E-03	1.09E-06	3.17E-07
2360	494611.06, 3860101.99	3.37E-03	1.06E-06	3.09E-07	3.44E-03	1.09E-06	3.16E-07	3.43E-03	1.08E-06	3.15E-07
2361	494661.06, 3860101.99	3.32E-03	1.05E-06	3.05E-07	3.39E-03	1.07E-06	3.11E-07	3.39E-03	1.07E-06	3.11E-07
2362	494711.06, 3860101.99	3.24E-03	1.02E-06	2.97E-07	3.30E-03	1.04E-06	3.03E-07	3.30E-03	1.04E-06	3.03E-07
2363	494761.06, 3860101.99	3.19E-03	1.01E-06	2.93E-07	3.26E-03	1.03E-06	2.99E-07	3.25E-03	1.03E-06	2.99E-07
2364	494811.06, 3860101.99	3.15E-03	9.94E-07	2.89E-07	3.21E-03	1.01E-06	2.95E-07	3.21E-03	1.01E-06	2.95E-07
2365	494861.06, 3860101.99	3.16E-03	9.97E-07	2.90E-07	3.22E-03	1.02E-06	2.96E-07	3.22E-03	1.02E-06	2.95E-07
2366	494911.06, 3860101.99	3.02E-03	9.54E-07	2.78E-07	3.09E-03	9.74E-07	2.83E-07	3.08E-03	9.73E-07	2.83E-07
2367	494961.06, 3860101.99	2.98E-03	9.39E-07	2.73E-07	3.04E-03	9.59E-07	2.79E-07	3.03E-03	9.57E-07	2.78E-07
2368	495011.06, 3860101.99	2.91E-03	9.19E-07	2.67E-07	2.97E-03	9.38E-07	2.73E-07	2.97E-03	9.37E-07	2.73E-07
2369	495061.06, 3860101.99	2.85E-03	9.01E-07	2.62E-07	2.91E-03	9.19E-07	2.67E-07	2.91E-03	9.18E-07	2.67E-07
2370	495111.06, 3860101.99	2.79E-03	8.79E-07	2.56E-07	2.84E-03	8.97E-07	2.61E-07	2.84E-03	8.96E-07	2.61E-07
2371	495161.06, 3860101.99	2.75E-03	8.67E-07	2.52E-07	2.80E-03	8.85E-07	2.57E-07	2.80E-03	8.84E-07	2.57E-07
2372	495211.06, 3860101.99	2.70E-03	8.52E-07	2.48E-07	2.75E-03	8.69E-07	2.53E-07	2.75E-03	8.68E-07	2.53E-07
2373	495261.06, 3860101.99	2.65E-03	8.37E-07	2.44E-07	2.71E-03	8.54E-07	2.49E-07	2.70E-03	8.53E-07	2.48E-07
2374	495311.06, 3860101.99	2.61E-03	8.25E-07	2.40E-07	2.67E-03	8.41E-07	2.45E-07	2.66E-03	8.40E-07	2.44E-07
2375	495361.06, 3860101.99	2.58E-03	8.15E-07	2.37E-07	2.63E-03	8.31E-07	2.42E-07	2.63E-03	8.30E-07	2.41E-07
2376	495411.06, 3860101.99	2.54E-03	8.01E-07	2.33E-07	2.59E-03	8.17E-07	2.38E-07	2.59E-03	8.16E-07	2.37E-07
2377	495461.06, 3860101.99	2.48E-03	7.83E-07	2.28E-07	2.53E-03	7.99E-07	2.32E-07	2.53E-03	7.98E-07	2.32E-07
2378	495511.06, 3860101.99	2.45E-03	7.74E-07	2.25E-07	2.50E-03	7.90E-07	2.30E-07	2.50E-03	7.89E-07	2.29E-07
2379	495561.06, 3860101.99	2.42E-03	7.65E-07	2.22E-07	2.47E-03	7.81E-07	2.27E-07	2.47E-03	7.80E-07	2.27E-07
2380	495611.06, 3860101.99	2.37E-03	7.48E-07	2.18E-07	2.42E-03	7.64E-07	2.22E-07	2.42E-03	7.63E-07	2.22E-07
2381	495661.06, 3860101.99	2.33E-03	7.37E-07	2.14E-07	2.38E-03	7.52E-07	2.19E-07	2.38E-03	7.51E-07	2.18E-07
2382	494861.06, 3860151.99	3.21E-03	1.01E-06	2.94E-07	3.27E-03	1.03E-06	3.00E-07	3.27E-03	1.03E-06	3.00E-07
2383	494911.06, 3860151.99	3.07E-03	9.68E-07	2.82E-07	3.13E-03	9.88E-07	2.87E-07	3.13E-03	9.87E-07	2.87E-07
2384	494961.06, 3860151.99	3.01E-03	9.49E-07	2.76E-07	3.07E-03	9.68E-07	2.82E-07	3.06E-03	9.67E-07	2.81E-07
2385	495011.06, 3860151.99	2.94E-03	9.29E-07	2.70E-07	3.00E-03	9.48E-07	2.76E-07	3.00E-03	9.46E-07	2.75E-07
2386	495061.06, 3860151.99	2.88E-03	9.09E-07	2.64E-07	2.94E-03	9.28E-07	2.70E-07	2.94E-03	9.27E-07	2.70E-07
2387	495111.06, 3860151.99	2.83E-03	8.93E-07	2.60E-07	2.89E-03	9.11E-07	2.65E-07	2.88E-03	9.10E-07	2.65E-07
2388	495161.06, 3860151.99	2.78E-03	8.78E-07	2.55E-07	2.84E-03	8.96E-07	2.61E-07	2.84E-03	8.95E-07	2.60E-07
2389	495211.06, 3860151.99	2.73E-03	8.62E-07	2.51E-07	2.79E-03	8.80E-07	2.56E-07	2.78E-03	8.79E-07	2.56E-07
2390	495261.06, 3860151.99	2.69E-03	8.49E-07	2.47E-07	2.74E-03	8.66E-07	2.52E-07	2.74E-03	8.65E-07	2.52E-07
2391	495311.06, 3860151.99	2.65E-03	8.36E-07	2.43E-07	2.70E-03	8.53E-07	2.48E-07	2.70E-03	8.52E-07	2.48E-07
2392	495361.06, 3860151.99	2.61E-03	8.23E-07	2.40E-07	2.66E-03	8.40E-07	2.44E-07	2.66E-03	8.39E-07	2.44E-07
2393	495411.06, 3860151.99	2.57E-03	8.10E-07	2.36E-07	2.62E-03	8.26E-07	2.40E-07	2.61E-03	8.25E-07	2.40E-07
2394	495461.06, 3860151.99	2.52E-03	7.97E-07	2.32E-07	2.58E-03	8.13E-07	2.37E-07	2.57E-03	8.12E-07	2.36E-07
2395	495511.06, 3860151.99	2.48E-03	7.83E-07	2.28E-07	2.53E-03	7.98E-07	2.32E-07	2.53E-03	7.98E-07	2.32E-07
2396	495561.06, 3860151.99	2.44E-03	7.72E-07	2.24E-07	2.49E-03	7.87E-07	2.29E-07	2.49E-03	7.86E-07	2.29E-07
2397	495611.06, 3860151.99	2.40E-03	7.58E-07	2.21E-07	2.45E-03	7.74E-07	2.25E-07	2.45E-03	7.73E-07	2.25E-07
2398	495661.06, 3860151.99	2.36E-03	7.44E-07	2.16E-07	2.41E-03	7.59E-07	2.21E-07	2.40E-03	7.58E-07	2.21E-07
2399	495718.25, 3859442.96	1.68E-03	5.30E-07	1.54E-07	1.71E-03	5.40E-07	1.57E-07	1.71E-03	5.40E-07	1.57E-07
2400	495818.25, 3859442.96	1.63E-03	5.14E-07	1.50E-07	1.66E-03	5.25E-07	1.53E-07	1.66E-03	5.24E-07	1.52E-07
2401	495918.25, 3859442.96	1.59E-03	5.02E-07	1.46E-07	1.62E-03	5.12E-07	1.49E-07	1.62E-03	5.12E-07	1.49E-07
2402	496018.25, 3859442.96	1.56E-03	4.92E-07	1.43E-07	1.59E-03	5.02E-07	1.46E-07	1.59E-03	5.01E-07	1.46E-07
2403	496118.25, 3859442.96	1.56E-03	4.91E-07	1.43E-07	1.59E-03	5.01E-07	1.46E-07	1.59E-03	5.01E-07	1.46E-07
2404	496218.25, 3859442.96	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.99E-07	1.45E-07
2405	496318.25, 3859442.96	1.52E-03	4.80E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.89E-07	1.42E-07
2406	496418.25, 3859442.96	1.49E-03	4.71E-07	1.37E-07	1.52E-03	4.80E-07	1.40E-07	1.52E-03	4.80E-07	1.40E-07
2407	495718.25, 3859542.96	1.78E-03	5.63E-07	1.64E-07	1.82E-03	5.75E-07	1.67E-07	1.82E-03	5.74E-07	1.67E-07
2408	495818.25, 3859542.96	1.74E-03	5.49E-07	1.60E-07	1.78E-03	5.60E-07	1.63E-07	1.77E-03	5.60E-07	1.63E-07
2409	495918.25, 3859542.96	1.69E-03	5.33E-07	1.55E-07	1.72E-03	5.44E-07	1.58E-07	1.72E-03	5.44E-07	1.58E-07
2410	496018.25, 3859542.96	1.65E-03	5.20E-07	1.51E-07	1.68E-03	5.31E-07	1.54E-07	1.68E-03	5.30E-07	1.54E-07
2411	496118.25, 3859542.96	1.64E-03	5.19E-07	1.51E-07	1.68E-03	5.29E-07	1.54E-07	1.68E-03	5.29E-07	1.54E-07
2412	496218.25, 3859542.96	1.63E-03	5.14E-07	1.50E-07	1.66E-03	5.25E-07	1.53E-07	1.66E-03	5.24E-07	1.52E-07
2413	496318.25, 3859542.96	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.18E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
2414	496418.25, 3859542.96	1.57E-03	4.95E-07	1.44E-07	1.60E-03	5.05E-07	1.47E-07	1.60E-03	5.05E-07	1.47E-07

2415	495718.25, 3859642.96	1.88E-03	5.93E-07	1.72E-07	1.92E-03	6.05E-07	1.76E-07	1.91E-03	6.04E-07	1.76E-07
2416	495818.25, 3859642.96	1.82E-03	5.75E-07	1.67E-07	1.86E-03	5.87E-07	1.71E-07	1.86E-03	5.87E-07	1.71E-07
2417	495918.25, 3859642.96	1.78E-03	5.63E-07	1.64E-07	1.82E-03	5.74E-07	1.67E-07	1.82E-03	5.74E-07	1.67E-07
2418	496018.25, 3859642.96	1.74E-03	5.48E-07	1.59E-07	1.77E-03	5.59E-07	1.63E-07	1.77E-03	5.59E-07	1.62E-07
2419	496118.25, 3859642.96	1.74E-03	5.48E-07	1.59E-07	1.77E-03	5.60E-07	1.63E-07	1.77E-03	5.59E-07	1.63E-07
2420	496218.25, 3859642.96	1.73E-03	5.45E-07	1.58E-07	1.76E-03	5.56E-07	1.62E-07	1.76E-03	5.55E-07	1.62E-07
2421	496318.25, 3859642.96	1.69E-03	5.32E-07	1.55E-07	1.72E-03	5.43E-07	1.58E-07	1.72E-03	5.42E-07	1.58E-07
2422	496418.25, 3859642.96	1.59E-03	5.01E-07	1.46E-07	1.62E-03	5.11E-07	1.49E-07	1.62E-03	5.11E-07	1.48E-07
2423	495718.25, 3859742.96	1.99E-03	6.29E-07	1.83E-07	2.03E-03	6.42E-07	1.87E-07	2.03E-03	6.41E-07	1.87E-07
2424	495818.25, 3859742.96	1.93E-03	6.08E-07	1.77E-07	1.96E-03	6.20E-07	1.80E-07	1.96E-03	6.19E-07	1.80E-07
2425	495918.25, 3859742.96	1.87E-03	5.91E-07	1.72E-07	1.91E-03	6.03E-07	1.75E-07	1.91E-03	6.02E-07	1.75E-07
2426	496018.25, 3859742.96	1.82E-03	5.74E-07	1.67E-07	1.86E-03	5.86E-07	1.70E-07	1.85E-03	5.85E-07	1.70E-07
2427	496118.25, 3859742.96	1.81E-03	5.72E-07	1.66E-07	1.85E-03	5.84E-07	1.70E-07	1.85E-03	5.83E-07	1.70E-07
2428	496218.25, 3859742.96	1.82E-03	5.73E-07	1.67E-07	1.85E-03	5.85E-07	1.70E-07	1.85E-03	5.84E-07	1.70E-07
2429	496318.25, 3859742.96	1.72E-03	5.42E-07	1.58E-07	1.75E-03	5.53E-07	1.61E-07	1.75E-03	5.52E-07	1.61E-07
2430	496418.25, 3859742.96	1.63E-03	5.13E-07	1.49E-07	1.66E-03	5.24E-07	1.52E-07	1.66E-03	5.23E-07	1.52E-07
2431	495718.25, 3859842.96	2.09E-03	6.60E-07	1.92E-07	2.13E-03	6.74E-07	1.96E-07	2.13E-03	6.73E-07	1.96E-07
2432	495818.25, 3859842.96	2.03E-03	6.41E-07	1.86E-07	2.07E-03	6.54E-07	1.90E-07	2.07E-03	6.53E-07	1.90E-07
2433	495918.25, 3859842.96	1.97E-03	6.22E-07	1.81E-07	2.01E-03	6.34E-07	1.85E-07	2.01E-03	6.34E-07	1.84E-07
2434	496018.25, 3859842.96	1.93E-03	6.09E-07	1.77E-07	1.97E-03	6.21E-07	1.81E-07	1.97E-03	6.20E-07	1.80E-07
2435	496118.25, 3859842.96	1.93E-03	6.10E-07	1.77E-07	1.97E-03	6.22E-07	1.81E-07	1.97E-03	6.22E-07	1.81E-07
2436	496218.25, 3859842.96	1.83E-03	5.79E-07	1.68E-07	1.87E-03	5.91E-07	1.72E-07	1.87E-03	5.90E-07	1.72E-07
2437	496318.25, 3859842.96	1.67E-03	5.27E-07	1.53E-07	1.70E-03	5.38E-07	1.56E-07	1.70E-03	5.37E-07	1.56E-07
2438	496418.25, 3859842.96	1.57E-03	4.96E-07	1.44E-07	1.60E-03	5.06E-07	1.47E-07	1.60E-03	5.05E-07	1.47E-07
2439	495718.25, 3859942.96	2.18E-03	6.87E-07	2.00E-07	2.22E-03	7.01E-07	2.04E-07	2.22E-03	7.00E-07	2.04E-07
2440	495818.25, 3859942.96	2.11E-03	6.65E-07	1.93E-07	2.15E-03	6.78E-07	1.97E-07	2.15E-03	6.78E-07	1.97E-07
2441	495918.25, 3859942.96	2.05E-03	6.48E-07	1.89E-07	2.10E-03	6.61E-07	1.92E-07	2.09E-03	6.61E-07	1.92E-07
2442	496018.25, 3859942.96	2.04E-03	6.44E-07	1.87E-07	2.08E-03	6.57E-07	1.91E-07	2.08E-03	6.56E-07	1.91E-07
2443	496118.25, 3859942.96	1.95E-03	6.15E-07	1.79E-07	1.99E-03	6.27E-07	1.82E-07	1.99E-03	6.27E-07	1.82E-07
2444	496218.25, 3859942.96	1.82E-03	5.75E-07	1.67E-07	1.86E-03	5.86E-07	1.71E-07	1.86E-03	5.86E-07	1.70E-07
2445	496318.25, 3859942.96	1.70E-03	5.37E-07	1.56E-07	1.74E-03	5.48E-07	1.59E-07	1.74E-03	5.48E-07	1.59E-07
2446	496418.25, 3859942.96	1.57E-03	4.94E-07	1.44E-07	1.60E-03	5.05E-07	1.47E-07	1.60E-03	5.04E-07	1.47E-07
2447	496856.82, 3858864.83	9.90E-04	3.12E-07	9.09E-08	1.01E-03	3.19E-07	9.27E-08	1.01E-03	3.18E-07	9.26E-08
2448	496956.82, 3858864.83	9.72E-04	3.07E-07	8.93E-08	9.92E-04	3.13E-07	9.11E-08	9.91E-04	3.13E-07	9.10E-08
2449	497056.82, 3858864.83	9.56E-04	3.02E-07	8.78E-08	9.75E-04	3.08E-07	8.95E-08	9.74E-04	3.07E-07	8.94E-08
2450	497156.82, 3858864.83	9.36E-04	2.96E-07	8.60E-08	9.56E-04	3.02E-07	8.77E-08	9.54E-04	3.01E-07	8.76E-08
2451	497256.82, 3858864.83	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.69E-08	9.46E-04	2.98E-07	8.68E-08
2452	496856.82, 3858964.83	1.05E-03	3.32E-07	9.66E-08	1.07E-03	3.39E-07	9.85E-08	1.07E-03	3.38E-07	9.84E-08
2453	496956.82, 3858964.83	1.03E-03	3.24E-07	9.42E-08	1.05E-03	3.30E-07	9.61E-08	1.05E-03	3.30E-07	9.60E-08
2454	497056.82, 3858964.83	1.01E-03	3.18E-07	9.24E-08	1.03E-03	3.24E-07	9.42E-08	1.03E-03	3.24E-07	9.41E-08
2455	497156.82, 3858964.83	9.86E-04	3.11E-07	9.05E-08	1.01E-03	3.17E-07	9.23E-08	1.00E-03	3.17E-07	9.22E-08
2456	497256.82, 3858964.83	9.88E-04	3.12E-07	9.07E-08	1.01E-03	3.18E-07	9.25E-08	1.01E-03	3.18E-07	9.24E-08
2457	496856.82, 3859064.83	1.10E-03	3.48E-07	1.01E-07	1.12E-03	3.55E-07	1.03E-07	1.12E-03	3.54E-07	1.03E-07
2458	496956.82, 3859064.83	1.08E-03	3.40E-07	9.90E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
2459	497056.82, 3859064.83	1.06E-03	3.34E-07	9.71E-08	1.08E-03	3.41E-07	9.91E-08	1.08E-03	3.40E-07	9.90E-08
2460	497156.82, 3859064.83	1.04E-03	3.28E-07	9.54E-08	1.06E-03	3.35E-07	9.74E-08	1.06E-03	3.34E-07	9.72E-08
2461	497256.82, 3859064.83	1.05E-03	3.31E-07	9.63E-08	1.07E-03	3.38E-07	9.82E-08	1.07E-03	3.37E-07	9.81E-08
2462	496856.82, 3859164.83	1.14E-03	3.60E-07	1.05E-07	1.16E-03	3.68E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
2463	496956.82, 3859164.83	1.11E-03	3.52E-07	1.02E-07	1.14E-03	3.59E-07	1.04E-07	1.14E-03	3.58E-07	1.04E-07
2464	497056.82, 3859164.83	1.10E-03	3.47E-07	1.01E-07	1.12E-03	3.54E-07	1.03E-07	1.12E-03	3.53E-07	1.03E-07
2465	497156.82, 3859164.83	1.10E-03	3.46E-07	1.01E-07	1.12E-03	3.53E-07	1.03E-07	1.12E-03	3.53E-07	1.03E-07
2466	497256.82, 3859164.83	1.11E-03	3.51E-07	1.02E-07	1.13E-03	3.58E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
2467	496856.82, 3859264.83	1.17E-03	3.70E-07	1.08E-07	1.20E-03	3.77E-07	1.10E-07	1.19E-03	3.77E-07	1.10E-07
2468	496956.82, 3859264.83	1.16E-03	3.66E-07	1.07E-07	1.18E-03	3.74E-07	1.09E-07	1.18E-03	3.73E-07	1.09E-07
2469	497056.82, 3859264.83	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.73E-07	1.09E-07	1.18E-03	3.73E-07	1.08E-07
2470	497156.82, 3859264.83	1.16E-03	3.65E-07	1.06E-07	1.18E-03	3.72E-07	1.08E-07	1.18E-03	3.72E-07	1.08E-07
2471	497256.82, 3859264.83	1.17E-03	3.68E-07	1.07E-07	1.19E-03	3.75E-07	1.09E-07	1.19E-03	3.75E-07	1.09E-07
2472	497088.92, 3858620.93	8.21E-04	2.59E-07	7.53E-08	8.37E-04	2.64E-07	7.69E-08	8.36E-04	2.64E-07	7.68E-08
2473	497138.92, 3858620.93	8.19E-04	2.58E-07	7.52E-08	8.36E-04	2.64E-07	7.67E-08	8.35E-04	2.63E-07	7.66E-08
2474	497188.92, 3858620.93	8.16E-04	2.57E-07	7.49E-08	8.32E-04	2.63E-07	7.64E-08	8.31E-04	2.62E-07	7.63E-08
2475	497238.92, 3858620.93	8.11E-04	2.56E-07	7.45E-08	8.28E-04	2.61E-07	7.60E-08	8.27E-04	2.61E-07	7.59E-08
2476	497088.92, 3858670.93	8.40E-04	2.65E-07	7.71E-08	8.57E-04	2.70E-07	7.87E-08	8.56E-04	2.70E-07	7.86E-08

2477	497138.92, 3858670.93	8.42E-04	2.66E-07	7.73E-08	8.59E-04	2.71E-07	7.88E-08	8.58E-04	2.71E-07	7.87E-08
2478	497188.92, 3858670.93	8.34E-04	2.63E-07	7.66E-08	8.52E-04	2.69E-07	7.82E-08	8.51E-04	2.68E-07	7.81E-08
2479	497238.92, 3858670.93	8.32E-04	2.63E-07	7.64E-08	8.49E-04	2.68E-07	7.80E-08	8.48E-04	2.68E-07	7.79E-08
2480	497088.92, 3858720.93	8.72E-04	2.75E-07	8.00E-08	8.89E-04	2.81E-07	8.17E-08	8.88E-04	2.80E-07	8.16E-08
2481	497138.92, 3858720.93	8.53E-04	2.69E-07	7.83E-08	8.70E-04	2.75E-07	7.99E-08	8.69E-04	2.74E-07	7.98E-08
2482	497188.92, 3858720.93	8.48E-04	2.68E-07	7.79E-08	8.65E-04	2.73E-07	7.94E-08	8.64E-04	2.73E-07	7.93E-08
2483	497238.92, 3858720.93	8.55E-04	2.70E-07	7.85E-08	8.73E-04	2.75E-07	8.01E-08	8.72E-04	2.75E-07	8.00E-08
2484	497088.92, 3858770.93	8.93E-04	2.82E-07	8.19E-08	9.11E-04	2.87E-07	8.36E-08	9.10E-04	2.87E-07	8.35E-08
2485	497138.92, 3858770.93	8.83E-04	2.79E-07	8.11E-08	9.01E-04	2.85E-07	8.28E-08	9.00E-04	2.84E-07	8.27E-08
2486	497188.92, 3858770.93	8.74E-04	2.76E-07	8.02E-08	8.92E-04	2.81E-07	8.19E-08	8.91E-04	2.81E-07	8.18E-08
2487	497238.92, 3858770.93	8.79E-04	2.78E-07	8.07E-08	8.97E-04	2.83E-07	8.24E-08	8.96E-04	2.83E-07	8.23E-08
2488	497396.65, 3858622.63	8.36E-04	2.64E-07	7.67E-08	8.53E-04	2.69E-07	7.83E-08	8.52E-04	2.69E-07	7.82E-08
2489	497496.65, 3858622.63	8.49E-04	2.68E-07	7.80E-08	8.67E-04	2.74E-07	7.96E-08	8.66E-04	2.73E-07	7.95E-08
2490	497596.65, 3858622.63	8.74E-04	2.76E-07	8.03E-08	8.92E-04	2.82E-07	8.19E-08	8.91E-04	2.81E-07	8.18E-08
2491	497696.65, 3858622.63	8.83E-04	2.79E-07	8.11E-08	9.01E-04	2.85E-07	8.28E-08	9.00E-04	2.84E-07	8.27E-08
2492	497796.65, 3858622.63	9.00E-04	2.84E-07	8.26E-08	9.19E-04	2.90E-07	8.43E-08	9.17E-04	2.90E-07	8.42E-08
2493	497896.65, 3858622.63	9.18E-04	2.90E-07	8.42E-08	9.36E-04	2.96E-07	8.60E-08	9.35E-04	2.95E-07	8.59E-08
2494	497396.65, 3858722.63	8.85E-04	2.79E-07	8.12E-08	9.03E-04	2.85E-07	8.29E-08	9.02E-04	2.85E-07	8.28E-08
2495	497496.65, 3858722.63	8.98E-04	2.83E-07	8.25E-08	9.16E-04	2.89E-07	8.41E-08	9.15E-04	2.89E-07	8.40E-08
2496	497596.65, 3858722.63	9.24E-04	2.92E-07	8.48E-08	9.43E-04	2.98E-07	8.65E-08	9.42E-04	2.97E-07	8.64E-08
2497	497696.65, 3858722.63	9.37E-04	2.96E-07	8.60E-08	9.56E-04	3.02E-07	8.78E-08	9.55E-04	3.02E-07	8.77E-08
2498	497796.65, 3858722.63	9.44E-04	2.98E-07	8.66E-08	9.63E-04	3.04E-07	8.84E-08	9.62E-04	3.04E-07	8.83E-08
2499	497896.65, 3858722.63	9.55E-04	3.01E-07	8.77E-08	9.75E-04	3.08E-07	8.95E-08	9.73E-04	3.07E-07	8.94E-08
2500	497396.65, 3858822.63	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.69E-08	9.46E-04	2.98E-07	8.68E-08
2501	497496.65, 3858822.63	9.38E-04	2.96E-07	8.61E-08	9.57E-04	3.02E-07	8.79E-08	9.56E-04	3.02E-07	8.78E-08
2502	497596.65, 3858822.63	9.66E-04	3.05E-07	8.86E-08	9.85E-04	3.11E-07	9.05E-08	9.84E-04	3.11E-07	9.04E-08
2503	497696.65, 3858822.63	9.78E-04	3.09E-07	8.98E-08	9.98E-04	3.15E-07	9.16E-08	9.97E-04	3.15E-07	9.15E-08
2504	497796.65, 3858822.63	9.81E-04	3.10E-07	9.01E-08	1.00E-03	3.16E-07	9.19E-08	1.00E-03	3.16E-07	9.18E-08
2505	497896.65, 3858822.63	1.01E-03	3.17E-07	9.23E-08	1.03E-03	3.24E-07	9.42E-08	1.02E-03	3.23E-07	9.41E-08
2506	497396.65, 3858922.63	9.74E-04	3.07E-07	8.94E-08	9.94E-04	3.14E-07	9.12E-08	9.93E-04	3.13E-07	9.11E-08
2507	497496.65, 3858922.63	9.99E-04	3.15E-07	9.18E-08	1.02E-03	3.22E-07	9.36E-08	1.02E-03	3.22E-07	9.35E-08
2508	497596.65, 3858922.63	9.94E-04	3.14E-07	9.13E-08	1.01E-03	3.20E-07	9.31E-08	1.01E-03	3.20E-07	9.30E-08
2509	497696.65, 3858922.63	1.02E-03	3.23E-07	9.39E-08	1.04E-03	3.29E-07	9.58E-08	1.04E-03	3.29E-07	9.57E-08
2510	497796.65, 3858922.63	1.04E-03	3.29E-07	9.56E-08	1.06E-03	3.35E-07	9.76E-08	1.06E-03	3.35E-07	9.74E-08
2511	497896.65, 3858922.63	1.07E-03	3.37E-07	9.81E-08	1.09E-03	3.44E-07	1.00E-07	1.09E-03	3.44E-07	9.99E-08
2512	497364.44, 3858201.52	6.93E-04	2.19E-07	6.36E-08	7.07E-04	2.23E-07	6.49E-08	7.06E-04	2.23E-07	6.48E-08
2513	497414.44, 3858201.52	6.98E-04	2.20E-07	6.41E-08	7.13E-04	2.25E-07	6.54E-08	7.12E-04	2.25E-07	6.53E-08
2514	497464.44, 3858201.52	7.05E-04	2.22E-07	6.47E-08	7.19E-04	2.27E-07	6.60E-08	7.18E-04	2.27E-07	6.59E-08
2515	497514.44, 3858201.52	7.09E-04	2.24E-07	6.51E-08	7.24E-04	2.28E-07	6.64E-08	7.23E-04	2.28E-07	6.64E-08
2516	497564.44, 3858201.52	7.08E-04	2.23E-07	6.50E-08	7.22E-04	2.28E-07	6.63E-08	7.21E-04	2.28E-07	6.62E-08
2517	497614.44, 3858201.52	7.10E-04	2.24E-07	6.51E-08	7.24E-04	2.29E-07	6.65E-08	7.23E-04	2.28E-07	6.64E-08
2518	497364.44, 3858251.52	7.15E-04	2.26E-07	6.56E-08	7.29E-04	2.30E-07	6.69E-08	7.28E-04	2.30E-07	6.69E-08
2519	497414.44, 3858251.52	7.24E-04	2.29E-07	6.65E-08	7.39E-04	2.33E-07	6.78E-08	7.38E-04	2.33E-07	6.77E-08
2520	497464.44, 3858251.52	7.20E-04	2.27E-07	6.61E-08	7.34E-04	2.32E-07	6.74E-08	7.33E-04	2.31E-07	6.73E-08
2521	497514.44, 3858251.52	7.14E-04	2.25E-07	6.55E-08	7.29E-04	2.30E-07	6.69E-08	7.28E-04	2.30E-07	6.68E-08
2522	497564.44, 3858251.52	7.13E-04	2.25E-07	6.54E-08	7.27E-04	2.30E-07	6.68E-08	7.26E-04	2.29E-07	6.67E-08
2523	497614.44, 3858251.52	7.12E-04	2.25E-07	6.53E-08	7.26E-04	2.29E-07	6.67E-08	7.25E-04	2.29E-07	6.66E-08
2524	497364.44, 3858301.52	7.28E-04	2.30E-07	6.68E-08	7.43E-04	2.34E-07	6.82E-08	7.42E-04	2.34E-07	6.81E-08
2525	497414.44, 3858301.52	7.35E-04	2.32E-07	6.74E-08	7.50E-04	2.37E-07	6.88E-08	7.49E-04	2.36E-07	6.87E-08
2526	497464.44, 3858301.52	7.28E-04	2.30E-07	6.69E-08	7.43E-04	2.35E-07	6.82E-08	7.42E-04	2.34E-07	6.82E-08
2527	497514.44, 3858301.52	7.25E-04	2.29E-07	6.65E-08	7.39E-04	2.33E-07	6.79E-08	7.39E-04	2.33E-07	6.78E-08
2528	497564.44, 3858301.52	7.18E-04	2.27E-07	6.60E-08	7.33E-04	2.31E-07	6.73E-08	7.32E-04	2.31E-07	6.72E-08
2529	497614.44, 3858301.52	7.17E-04	2.26E-07	6.58E-08	7.31E-04	2.31E-07	6.71E-08	7.30E-04	2.31E-07	6.71E-08
2530	497364.44, 3858351.52	7.45E-04	2.35E-07	6.84E-08	7.60E-04	2.40E-07	6.98E-08	7.59E-04	2.40E-07	6.97E-08
2531	497414.44, 3858351.52	7.41E-04	2.34E-07	6.80E-08	7.56E-04	2.39E-07	6.94E-08	7.55E-04	2.38E-07	6.93E-08
2532	497464.44, 3858351.52	7.40E-04	2.34E-07	6.79E-08	7.55E-04	2.38E-07	6.93E-08	7.54E-04	2.38E-07	6.92E-08
2533	497514.44, 3858351.52	7.37E-04	2.33E-07	6.76E-08	7.52E-04	2.37E-07	6.90E-08	7.51E-04	2.37E-07	6.89E-08
2534	497564.44, 3858351.52	7.28E-04	2.30E-07	6.69E-08	7.43E-04	2.35E-07	6.82E-08	7.42E-04	2.34E-07	6.82E-08
2535	497614.44, 3858351.52	7.27E-04	2.29E-07	6.67E-08	7.42E-04	2.34E-07	6.81E-08	7.41E-04	2.34E-07	6.80E-08
2536	497364.44, 3858401.52	7.49E-04	2.37E-07	6.88E-08	7.65E-04	2.41E-07	7.02E-08	7.64E-04	2.41E-07	7.01E-08
2537	497414.44, 3858401.52	7.51E-04	2.37E-07	6.89E-08	7.66E-04	2.42E-07	7.03E-08	7.65E-04	2.42E-07	7.03E-08
2538	497464.44, 3858401.52	7.46E-04	2.36E-07	6.85E-08	7.62E-04	2.40E-07	6.99E-08	7.61E-04	2.40E-07	6.98E-08

2539	497514.44, 3858401.52	7.44E-04	2.35E-07	6.83E-08	7.59E-04	2.40E-07	6.97E-08	7.58E-04	2.39E-07	6.96E-08
2540	497564.44, 3858401.52	7.51E-04	2.37E-07	6.89E-08	7.66E-04	2.42E-07	7.03E-08	7.65E-04	2.42E-07	7.03E-08
2541	497614.44, 3858401.52	7.55E-04	2.38E-07	6.93E-08	7.71E-04	2.43E-07	7.07E-08	7.70E-04	2.43E-07	7.07E-08
2542	493478.11, 3860497.94	5.42E-03	1.71E-06	4.98E-07	5.53E-03	1.75E-06	5.08E-07	5.52E-03	1.74E-06	5.07E-07
2543	493528.11, 3860497.94	5.28E-03	1.67E-06	4.84E-07	5.38E-03	1.70E-06	4.94E-07	5.38E-03	1.70E-06	4.94E-07
2544	493478.11, 3860547.94	5.23E-03	1.65E-06	4.80E-07	5.34E-03	1.68E-06	4.90E-07	5.33E-03	1.68E-06	4.89E-07
2545	493528.11, 3860547.94	5.10E-03	1.61E-06	4.68E-07	5.20E-03	1.64E-06	4.77E-07	5.19E-03	1.64E-06	4.77E-07
2546	493478.11, 3860597.94	5.02E-03	1.58E-06	4.61E-07	5.12E-03	1.62E-06	4.70E-07	5.12E-03	1.61E-06	4.70E-07
2547	493528.11, 3860597.94	4.89E-03	1.54E-06	4.49E-07	4.99E-03	1.58E-06	4.58E-07	4.99E-03	1.57E-06	4.58E-07
2548	493561.88, 3860524.64	5.09E-03	1.61E-06	4.67E-07	5.20E-03	1.64E-06	4.77E-07	5.19E-03	1.64E-06	4.76E-07
2549	493591.88, 3860524.64	5.01E-03	1.58E-06	4.60E-07	5.11E-03	1.61E-06	4.70E-07	5.11E-03	1.61E-06	4.69E-07
2550	493561.88, 3860554.64	4.98E-03	1.57E-06	4.57E-07	5.08E-03	1.60E-06	4.67E-07	5.08E-03	1.60E-06	4.66E-07
2551	493591.88, 3860554.64	4.91E-03	1.55E-06	4.50E-07	5.01E-03	1.58E-06	4.60E-07	5.00E-03	1.58E-06	4.59E-07
2552	492880.5, 3860293.11	9.01E-03	2.84E-06	8.27E-07	9.19E-03	2.90E-06	8.44E-07	9.18E-03	2.90E-06	8.43E-07
2553	492930.5, 3860293.11	8.62E-03	2.72E-06	7.91E-07	8.80E-03	2.78E-06	8.07E-07	8.79E-03	2.77E-06	8.07E-07
2554	492980.5, 3860293.11	8.25E-03	2.60E-06	7.57E-07	8.42E-03	2.66E-06	7.73E-07	8.41E-03	2.65E-06	7.72E-07
2555	493030.5, 3860293.11	7.75E-03	2.45E-06	7.12E-07	7.91E-03	2.50E-06	7.26E-07	7.90E-03	2.49E-06	7.26E-07
2556	493080.5, 3860293.11	7.18E-03	2.27E-06	6.59E-07	7.33E-03	2.31E-06	6.73E-07	7.32E-03	2.31E-06	6.72E-07
2557	493130.5, 3860293.11	7.16E-03	2.26E-06	6.58E-07	7.31E-03	2.31E-06	6.71E-07	7.30E-03	2.30E-06	6.70E-07
2558	493180.5, 3860293.11	7.06E-03	2.23E-06	6.48E-07	7.20E-03	2.27E-06	6.61E-07	7.19E-03	2.27E-06	6.60E-07
2559	493230.5, 3860293.11	6.85E-03	2.16E-06	6.29E-07	6.99E-03	2.21E-06	6.42E-07	6.98E-03	2.20E-06	6.41E-07
2560	493280.5, 3860293.11	6.56E-03	2.07E-06	6.02E-07	6.69E-03	2.11E-06	6.15E-07	6.69E-03	2.11E-06	6.14E-07
2561	493330.5, 3860293.11	6.32E-03	2.00E-06	5.81E-07	6.45E-03	2.04E-06	5.92E-07	6.45E-03	2.03E-06	5.92E-07
2562	493380.5, 3860293.11	6.12E-03	1.93E-06	5.62E-07	6.25E-03	1.97E-06	5.74E-07	6.24E-03	1.97E-06	5.73E-07
2563	492880.5, 3860343.11	8.95E-03	2.83E-06	8.22E-07	9.13E-03	2.88E-06	8.39E-07	9.12E-03	2.88E-06	8.38E-07
2564	492930.5, 3860343.11	8.58E-03	2.71E-06	7.87E-07	8.75E-03	2.76E-06	8.04E-07	8.74E-03	2.76E-06	8.03E-07
2565	492980.5, 3860343.11	8.08E-03	2.55E-06	7.42E-07	8.24E-03	2.60E-06	7.57E-07	8.23E-03	2.60E-06	7.56E-07
2566	493030.5, 3860343.11	7.77E-03	2.45E-06	7.13E-07	7.93E-03	2.50E-06	7.28E-07	7.92E-03	2.50E-06	7.27E-07
2567	493080.5, 3860343.11	7.29E-03	2.30E-06	6.69E-07	7.44E-03	2.35E-06	6.83E-07	7.43E-03	2.35E-06	6.82E-07
2568	493130.5, 3860343.11	7.11E-03	2.24E-06	6.53E-07	7.25E-03	2.29E-06	6.66E-07	7.25E-03	2.29E-06	6.65E-07
2569	493180.5, 3860343.11	7.00E-03	2.21E-06	6.42E-07	7.14E-03	2.25E-06	6.55E-07	7.13E-03	2.25E-06	6.55E-07
2570	493230.5, 3860343.11	6.78E-03	2.14E-06	6.23E-07	6.92E-03	2.18E-06	6.35E-07	6.91E-03	2.18E-06	6.35E-07
2571	493280.5, 3860343.11	6.51E-03	2.05E-06	5.97E-07	6.64E-03	2.10E-06	6.10E-07	6.63E-03	2.09E-06	6.09E-07
2572	493330.5, 3860343.11	6.26E-03	1.98E-06	5.75E-07	6.39E-03	2.02E-06	5.87E-07	6.38E-03	2.02E-06	5.86E-07
2573	493380.5, 3860343.11	6.07E-03	1.92E-06	5.58E-07	6.20E-03	1.96E-06	5.69E-07	6.19E-03	1.95E-06	5.68E-07
2574	492880.5, 3860393.11	8.78E-03	2.77E-06	8.06E-07	8.96E-03	2.83E-06	8.23E-07	8.95E-03	2.83E-06	8.22E-07
2575	492930.5, 3860393.11	8.41E-03	2.66E-06	7.72E-07	8.59E-03	2.71E-06	7.88E-07	8.58E-03	2.71E-06	7.87E-07
2576	492980.5, 3860393.11	8.03E-03	2.53E-06	7.37E-07	8.19E-03	2.59E-06	7.52E-07	8.18E-03	2.58E-06	7.51E-07
2577	493030.5, 3860393.11	7.67E-03	2.42E-06	7.05E-07	7.83E-03	2.47E-06	7.19E-07	7.82E-03	2.47E-06	7.18E-07
2578	493080.5, 3860393.11	7.23E-03	2.28E-06	6.64E-07	7.38E-03	2.33E-06	6.78E-07	7.37E-03	2.33E-06	6.77E-07
2579	493130.5, 3860393.11	7.06E-03	2.23E-06	6.48E-07	7.20E-03	2.27E-06	6.61E-07	7.19E-03	2.27E-06	6.60E-07
2580	493180.5, 3860393.11	6.91E-03	2.18E-06	6.34E-07	7.05E-03	2.22E-06	6.47E-07	7.04E-03	2.22E-06	6.46E-07
2581	493230.5, 3860393.11	6.67E-03	2.11E-06	6.13E-07	6.81E-03	2.15E-06	6.25E-07	6.80E-03	2.15E-06	6.24E-07
2582	493280.5, 3860393.11	6.40E-03	2.02E-06	5.88E-07	6.53E-03	2.06E-06	6.00E-07	6.52E-03	2.06E-06	5.99E-07
2583	493330.5, 3860393.11	6.17E-03	1.95E-06	5.66E-07	6.30E-03	1.99E-06	5.78E-07	6.29E-03	1.98E-06	5.77E-07
2584	493380.5, 3860393.11	5.98E-03	1.89E-06	5.49E-07	6.10E-03	1.93E-06	5.60E-07	6.09E-03	1.92E-06	5.59E-07
2585	492880.5, 3860443.11	8.50E-03	2.68E-06	7.80E-07	8.67E-03	2.74E-06	7.96E-07	8.66E-03	2.73E-06	7.95E-07
2586	492930.5, 3860443.11	8.15E-03	2.57E-06	7.49E-07	8.32E-03	2.63E-06	7.64E-07	8.31E-03	2.62E-06	7.63E-07
2587	492980.5, 3860443.11	7.83E-03	2.47E-06	7.19E-07	7.99E-03	2.52E-06	7.34E-07	7.98E-03	2.52E-06	7.33E-07
2588	493030.5, 3860443.11	7.51E-03	2.37E-06	6.89E-07	7.66E-03	2.42E-06	7.03E-07	7.65E-03	2.42E-06	7.03E-07
2589	493080.5, 3860443.11	7.23E-03	2.28E-06	6.63E-07	7.37E-03	2.33E-06	6.77E-07	7.36E-03	2.32E-06	6.76E-07
2590	493130.5, 3860443.11	6.96E-03	2.20E-06	6.39E-07	7.10E-03	2.24E-06	6.52E-07	7.10E-03	2.24E-06	6.51E-07
2591	493180.5, 3860443.11	6.76E-03	2.13E-06	6.21E-07	6.90E-03	2.18E-06	6.33E-07	6.89E-03	2.17E-06	6.33E-07
2592	493230.5, 3860443.11	6.50E-03	2.05E-06	5.97E-07	6.63E-03	2.09E-06	6.09E-07	6.62E-03	2.09E-06	6.08E-07
2593	493280.5, 3860443.11	6.27E-03	1.98E-06	5.75E-07	6.40E-03	2.02E-06	5.87E-07	6.39E-03	2.02E-06	5.87E-07
2594	493330.5, 3860443.11	6.03E-03	1.90E-06	5.53E-07	6.15E-03	1.94E-06	5.64E-07	6.14E-03	1.94E-06	5.64E-07
2595	493380.5, 3860443.11	5.86E-03	1.85E-06	5.38E-07	5.98E-03	1.89E-06	5.49E-07	5.97E-03	1.89E-06	5.48E-07
2596	493180.5, 3860493.11	6.52E-03	2.06E-06	5.99E-07	6.65E-03	2.10E-06	6.11E-07	6.65E-03	2.10E-06	6.10E-07
2597	493230.5, 3860493.11	6.30E-03	1.99E-06	5.78E-07	6.43E-03	2.03E-06	5.90E-07	6.42E-03	2.03E-06	5.89E-07
2598	493280.5, 3860493.11	6.08E-03	1.92E-06	5.58E-07	6.21E-03	1.96E-06	5.70E-07	6.20E-03	1.96E-06	5.69E-07
2599	493330.5, 3860493.11	5.88E-03	1.86E-06	5.40E-07	6.00E-03	1.90E-06	5.51E-07	6.00E-03	1.89E-06	5.51E-07
2600	493380.5, 3860493.11	5.72E-03	1.81E-06	5.25E-07	5.84E-03	1.84E-06	5.36E-07	5.83E-03	1.84E-06	5.35E-07

2601 493330.5, 3860543.11	5.68E-03	1.79E-06	5.21E-07	5.80E-03	1.83E-06	5.32E-07	5.79E-03	1.83E-06	5.31E-07
2602 493380.5, 3860543.11	5.53E-03	1.74E-06	5.07E-07	5.64E-03	1.78E-06	5.18E-07	5.63E-03	1.78E-06	5.17E-07
2603 494135.94, 3860876.85	3.04E-03	9.58E-07	2.79E-07	3.10E-03	9.78E-07	2.84E-07	3.09E-03	9.77E-07	2.84E-07
2604 494185.94, 3860876.85	2.99E-03	9.44E-07	2.75E-07	3.05E-03	9.63E-07	2.80E-07	3.05E-03	9.62E-07	2.80E-07
2605 494135.94, 3860926.85	2.90E-03	9.16E-07	2.67E-07	2.96E-03	9.35E-07	2.72E-07	2.96E-03	9.34E-07	2.72E-07
2606 494185.94, 3860926.85	2.86E-03	9.04E-07	2.63E-07	2.92E-03	9.23E-07	2.68E-07	2.92E-03	9.21E-07	2.68E-07
2607 494135.94, 3860976.85	2.77E-03	8.75E-07	2.55E-07	2.83E-03	8.93E-07	2.60E-07	2.83E-03	8.92E-07	2.59E-07
2608 494185.94, 3860976.85	2.74E-03	8.65E-07	2.52E-07	2.80E-03	8.82E-07	2.57E-07	2.79E-03	8.81E-07	2.56E-07
2609 494135.94, 3861026.85	2.64E-03	8.35E-07	2.43E-07	2.70E-03	8.52E-07	2.48E-07	2.70E-03	8.51E-07	2.47E-07
2610 494185.94, 3861026.85	2.62E-03	8.26E-07	2.40E-07	2.67E-03	8.42E-07	2.45E-07	2.67E-03	8.41E-07	2.45E-07
2611 494135.94, 3861076.85	2.52E-03	7.96E-07	2.31E-07	2.57E-03	8.12E-07	2.36E-07	2.57E-03	8.11E-07	2.36E-07
2612 494185.94, 3861076.85	2.49E-03	7.87E-07	2.29E-07	2.55E-03	8.04E-07	2.34E-07	2.54E-03	8.03E-07	2.33E-07
2613 490360.04, 3858710.04	4.73E-03	1.49E-06	4.34E-07	4.83E-03	1.52E-06	4.43E-07	4.82E-03	1.52E-06	4.43E-07
2614 490410.04, 3858710.04	4.62E-03	1.46E-06	4.24E-07	4.71E-03	1.49E-06	4.33E-07	4.71E-03	1.49E-06	4.32E-07
2615 490460.04, 3858710.04	4.45E-03	1.41E-06	4.09E-07	4.55E-03	1.43E-06	4.17E-07	4.54E-03	1.43E-06	4.17E-07
2616 490510.04, 3858710.04	4.35E-03	1.37E-06	3.99E-07	4.43E-03	1.40E-06	4.07E-07	4.43E-03	1.40E-06	4.07E-07
2617 490560.04, 3858710.04	4.26E-03	1.34E-06	3.91E-07	4.34E-03	1.37E-06	3.99E-07	4.34E-03	1.37E-06	3.98E-07
2618 490610.04, 3858710.04	4.16E-03	1.31E-06	3.82E-07	4.25E-03	1.34E-06	3.90E-07	4.24E-03	1.34E-06	3.89E-07
2619 490660.04, 3858710.04	4.12E-03	1.30E-06	3.78E-07	4.20E-03	1.33E-06	3.86E-07	4.19E-03	1.32E-06	3.85E-07
2620 490710.04, 3858710.04	3.99E-03	1.26E-06	3.67E-07	4.08E-03	1.29E-06	3.74E-07	4.07E-03	1.29E-06	3.74E-07
2621 490760.04, 3858710.04	3.89E-03	1.23E-06	3.58E-07	3.97E-03	1.25E-06	3.65E-07	3.97E-03	1.25E-06	3.64E-07
2622 490810.04, 3858710.04	3.80E-03	1.20E-06	3.49E-07	3.87E-03	1.22E-06	3.56E-07	3.87E-03	1.22E-06	3.55E-07
2623 490860.04, 3858710.04	3.67E-03	1.16E-06	3.37E-07	3.75E-03	1.18E-06	3.44E-07	3.74E-03	1.18E-06	3.44E-07
2624 490360.04, 3858760.04	5.33E-03	1.68E-06	4.89E-07	5.44E-03	1.72E-06	4.99E-07	5.43E-03	1.71E-06	4.98E-07
2625 490410.04, 3858760.04	5.17E-03	1.63E-06	4.74E-07	5.27E-03	1.66E-06	4.84E-07	5.27E-03	1.66E-06	4.83E-07
2626 490460.04, 3858760.04	4.99E-03	1.58E-06	4.58E-07	5.09E-03	1.61E-06	4.68E-07	5.09E-03	1.61E-06	4.67E-07
2627 490510.04, 3858760.04	4.82E-03	1.52E-06	4.42E-07	4.91E-03	1.55E-06	4.51E-07	4.91E-03	1.55E-06	4.51E-07
2628 490560.04, 3858760.04	4.68E-03	1.48E-06	4.30E-07	4.78E-03	1.51E-06	4.39E-07	4.77E-03	1.51E-06	4.38E-07
2629 490610.04, 3858760.04	4.54E-03	1.43E-06	4.17E-07	4.63E-03	1.46E-06	4.25E-07	4.63E-03	1.46E-06	4.25E-07
2630 490660.04, 3858760.04	4.42E-03	1.39E-06	4.06E-07	4.51E-03	1.42E-06	4.14E-07	4.50E-03	1.42E-06	4.13E-07
2631 490710.04, 3858760.04	4.30E-03	1.36E-06	3.95E-07	4.39E-03	1.38E-06	4.03E-07	4.38E-03	1.38E-06	4.02E-07
2632 490760.04, 3858760.04	4.16E-03	1.31E-06	3.82E-07	4.24E-03	1.34E-06	3.90E-07	4.24E-03	1.34E-06	3.89E-07
2633 490810.04, 3858760.04	4.03E-03	1.27E-06	3.70E-07	4.11E-03	1.30E-06	3.78E-07	4.11E-03	1.30E-06	3.77E-07
2634 490860.04, 3858760.04	3.93E-03	1.24E-06	3.60E-07	4.01E-03	1.26E-06	3.68E-07	4.00E-03	1.26E-06	3.67E-07
2635 490360.04, 3858810.04	5.95E-03	1.88E-06	5.46E-07	6.07E-03	1.91E-06	5.57E-07	6.06E-03	1.91E-06	5.56E-07
2636 490410.04, 3858810.04	5.73E-03	1.81E-06	5.26E-07	5.85E-03	1.85E-06	5.37E-07	5.84E-03	1.84E-06	5.36E-07
2637 490460.04, 3858810.04	5.52E-03	1.74E-06	5.07E-07	5.63E-03	1.78E-06	5.17E-07	5.62E-03	1.78E-06	5.16E-07
2638 490510.04, 3858810.04	5.36E-03	1.69E-06	4.92E-07	5.47E-03	1.72E-06	5.02E-07	5.46E-03	1.72E-06	5.01E-07
2639 490560.04, 3858810.04	5.19E-03	1.64E-06	4.76E-07	5.29E-03	1.67E-06	4.86E-07	5.29E-03	1.67E-06	4.85E-07
2640 490610.04, 3858810.04	4.98E-03	1.57E-06	4.57E-07	5.08E-03	1.60E-06	4.66E-07	5.07E-03	1.60E-06	4.66E-07
2641 490660.04, 3858810.04	4.81E-03	1.52E-06	4.42E-07	4.91E-03	1.55E-06	4.51E-07	4.90E-03	1.55E-06	4.50E-07
2642 490710.04, 3858810.04	4.64E-03	1.46E-06	4.26E-07	4.73E-03	1.49E-06	4.35E-07	4.73E-03	1.49E-06	4.34E-07
2643 490760.04, 3858810.04	4.43E-03	1.40E-06	4.07E-07	4.52E-03	1.43E-06	4.15E-07	4.52E-03	1.43E-06	4.15E-07
2644 490810.04, 3858810.04	4.34E-03	1.37E-06	3.99E-07	4.43E-03	1.40E-06	4.07E-07	4.43E-03	1.40E-06	4.06E-07
2645 490860.04, 3858810.04	4.19E-03	1.32E-06	3.84E-07	4.27E-03	1.35E-06	3.92E-07	4.27E-03	1.35E-06	3.92E-07
2646 490360.04, 3858860.04	6.56E-03	2.07E-06	6.03E-07	6.70E-03	2.11E-06	6.15E-07	6.69E-03	2.11E-06	6.14E-07
2647 490410.04, 3858860.04	6.39E-03	2.02E-06	5.86E-07	6.52E-03	2.06E-06	5.98E-07	6.51E-03	2.05E-06	5.98E-07
2648 490460.04, 3858860.04	6.10E-03	1.92E-06	5.60E-07	6.22E-03	1.96E-06	5.71E-07	6.22E-03	1.96E-06	5.71E-07
2649 490510.04, 3858860.04	5.95E-03	1.88E-06	5.46E-07	6.07E-03	1.92E-06	5.57E-07	6.06E-03	1.91E-06	5.56E-07
2650 490560.04, 3858860.04	5.70E-03	1.80E-06	5.24E-07	5.82E-03	1.84E-06	5.34E-07	5.81E-03	1.84E-06	5.34E-07
2651 490610.04, 3858860.04	5.41E-03	1.71E-06	4.96E-07	5.52E-03	1.74E-06	5.06E-07	5.51E-03	1.74E-06	5.06E-07
2652 490660.04, 3858860.04	5.21E-03	1.65E-06	4.79E-07	5.32E-03	1.68E-06	4.88E-07	5.31E-03	1.68E-06	4.88E-07
2653 490710.04, 3858860.04	5.07E-03	1.60E-06	4.65E-07	5.17E-03	1.63E-06	4.75E-07	5.17E-03	1.63E-06	4.74E-07
2654 490760.04, 3858860.04	4.83E-03	1.53E-06	4.44E-07	4.93E-03	1.56E-06	4.53E-07	4.93E-03	1.55E-06	4.52E-07
2655 490810.04, 3858860.04	4.63E-03	1.46E-06	4.25E-07	4.72E-03	1.49E-06	4.33E-07	4.71E-03	1.49E-06	4.33E-07
2656 490860.04, 3858860.04	4.42E-03	1.40E-06	4.06E-07	4.52E-03	1.43E-06	4.14E-07	4.51E-03	1.42E-06	4.14E-07
2657 490360.04, 3858910.04	7.42E-03	2.34E-06	6.81E-07	7.57E-03	2.39E-06	6.95E-07	7.56E-03	2.39E-06	6.94E-07
2658 490410.04, 3858910.04	7.12E-03	2.25E-06	6.54E-07	7.27E-03	2.29E-06	6.67E-07	7.26E-03	2.29E-06	6.67E-07
2659 490460.04, 3858910.04	6.82E-03	2.15E-06	6.26E-07	6.96E-03	2.20E-06	6.39E-07	6.95E-03	2.19E-06	6.38E-07
2660 490510.04, 3858910.04	6.51E-03	2.05E-06	5.97E-07	6.64E-03	2.10E-06	6.10E-07	6.63E-03	2.09E-06	6.09E-07
2661 490560.04, 3858910.04	6.19E-03	1.95E-06	5.69E-07	6.32E-03	1.99E-06	5.80E-07	6.31E-03	1.99E-06	5.79E-07
2662 490610.04, 3858910.04	5.89E-03	1.86E-06	5.41E-07	6.01E-03	1.90E-06	5.52E-07	6.00E-03	1.89E-06	5.51E-07

2663	490660.04, 3858910.04	5.65E-03	1.78E-06	5.19E-07	5.77E-03	1.82E-06	5.30E-07	5.76E-03	1.82E-06	5.29E-07
2664	490710.04, 3858910.04	5.40E-03	1.70E-06	4.96E-07	5.51E-03	1.74E-06	5.06E-07	5.50E-03	1.74E-06	5.05E-07
2665	490760.04, 3858910.04	5.12E-03	1.61E-06	4.70E-07	5.22E-03	1.65E-06	4.79E-07	5.21E-03	1.65E-06	4.79E-07
2666	490810.04, 3858910.04	4.92E-03	1.55E-06	4.52E-07	5.02E-03	1.59E-06	4.61E-07	5.02E-03	1.58E-06	4.61E-07
2667	490860.04, 3858910.04	4.67E-03	1.48E-06	4.29E-07	4.77E-03	1.51E-06	4.38E-07	4.76E-03	1.50E-06	4.37E-07
2668	490360.04, 3858960.04	8.23E-03	2.60E-06	7.55E-07	8.40E-03	2.65E-06	7.71E-07	8.39E-03	2.65E-06	7.70E-07
2669	490410.04, 3858960.04	7.82E-03	2.47E-06	7.18E-07	7.98E-03	2.52E-06	7.33E-07	7.97E-03	2.52E-06	7.32E-07
2670	490460.04, 3858960.04	7.41E-03	2.34E-06	6.80E-07	7.56E-03	2.39E-06	6.94E-07	7.55E-03	2.38E-06	6.93E-07
2671	490510.04, 3858960.04	7.05E-03	2.23E-06	6.48E-07	7.20E-03	2.27E-06	6.61E-07	7.19E-03	2.27E-06	6.60E-07
2672	490560.04, 3858960.04	6.72E-03	2.12E-06	6.17E-07	6.86E-03	2.16E-06	6.29E-07	6.85E-03	2.16E-06	6.29E-07
2673	490610.04, 3858960.04	6.32E-03	2.00E-06	5.81E-07	6.45E-03	2.04E-06	5.92E-07	6.45E-03	2.03E-06	5.92E-07
2674	490660.04, 3858960.04	6.12E-03	1.93E-06	5.62E-07	6.25E-03	1.97E-06	5.74E-07	6.24E-03	1.97E-06	5.73E-07
2675	490710.04, 3858960.04	5.78E-03	1.82E-06	5.30E-07	5.89E-03	1.86E-06	5.41E-07	5.89E-03	1.86E-06	5.40E-07
2676	490760.04, 3858960.04	5.49E-03	1.73E-06	5.04E-07	5.60E-03	1.77E-06	5.14E-07	5.59E-03	1.77E-06	5.14E-07
2677	490810.04, 3858960.04	5.22E-03	1.65E-06	4.79E-07	5.32E-03	1.68E-06	4.89E-07	5.32E-03	1.68E-06	4.88E-07
2678	490860.04, 3858960.04	4.93E-03	1.55E-06	4.52E-07	5.03E-03	1.59E-06	4.62E-07	5.02E-03	1.58E-06	4.61E-07
2679	490360.04, 3859010.04	9.10E-03	2.87E-06	8.36E-07	9.29E-03	2.93E-06	8.53E-07	9.28E-03	2.93E-06	8.52E-07
2680	490410.04, 3859010.04	8.58E-03	2.71E-06	7.88E-07	8.75E-03	2.76E-06	8.04E-07	8.74E-03	2.76E-06	8.03E-07
2681	490460.04, 3859010.04	8.01E-03	2.53E-06	7.35E-07	8.17E-03	2.58E-06	7.50E-07	8.16E-03	2.58E-06	7.49E-07
2682	490510.04, 3859010.04	7.50E-03	2.37E-06	6.88E-07	7.65E-03	2.41E-06	7.02E-07	7.64E-03	2.41E-06	7.01E-07
2683	490560.04, 3859010.04	7.20E-03	2.27E-06	6.61E-07	7.35E-03	2.32E-06	6.74E-07	7.34E-03	2.32E-06	6.74E-07
2684	490610.04, 3859010.04	6.76E-03	2.13E-06	6.21E-07	6.90E-03	2.18E-06	6.33E-07	6.89E-03	2.17E-06	6.33E-07
2685	490660.04, 3859010.04	6.54E-03	2.07E-06	6.01E-07	6.68E-03	2.11E-06	6.13E-07	6.67E-03	2.11E-06	6.12E-07
2686	490710.04, 3859010.04	6.14E-03	1.94E-06	5.64E-07	6.27E-03	1.98E-06	5.75E-07	6.26E-03	1.98E-06	5.75E-07
2687	490760.04, 3859010.04	5.80E-03	1.83E-06	5.33E-07	5.92E-03	1.87E-06	5.44E-07	5.91E-03	1.87E-06	5.43E-07
2688	490810.04, 3859010.04	5.49E-03	1.73E-06	5.04E-07	5.60E-03	1.77E-06	5.14E-07	5.59E-03	1.76E-06	5.13E-07
2689	490860.04, 3859010.04	5.22E-03	1.65E-06	4.79E-07	5.32E-03	1.68E-06	4.89E-07	5.32E-03	1.68E-06	4.88E-07
2690	490360.04, 3859060.04	1.00E-02	3.16E-06	9.18E-07	1.02E-02	3.22E-06	9.36E-07	1.02E-02	3.22E-06	9.35E-07
2691	490410.04, 3859060.04	9.23E-03	2.91E-06	8.47E-07	9.41E-03	2.97E-06	8.64E-07	9.40E-03	2.97E-06	8.63E-07
2692	490460.04, 3859060.04	8.63E-03	2.72E-06	7.92E-07	8.80E-03	2.78E-06	8.08E-07	8.79E-03	2.77E-06	8.07E-07
2693	490510.04, 3859060.04	8.12E-03	2.56E-06	7.46E-07	8.29E-03	2.62E-06	7.61E-07	8.28E-03	2.61E-06	7.60E-07
2694	490560.04, 3859060.04	7.59E-03	2.39E-06	6.96E-07	7.74E-03	2.44E-06	7.11E-07	7.73E-03	2.44E-06	7.10E-07
2695	490610.04, 3859060.04	7.23E-03	2.28E-06	6.64E-07	7.38E-03	2.33E-06	6.77E-07	7.37E-03	2.33E-06	6.76E-07
2696	490660.04, 3859060.04	6.91E-03	2.18E-06	6.34E-07	7.05E-03	2.23E-06	6.47E-07	7.04E-03	2.22E-06	6.47E-07
2697	490710.04, 3859060.04	6.46E-03	2.04E-06	5.93E-07	6.60E-03	2.08E-06	6.06E-07	6.59E-03	2.08E-06	6.05E-07
2698	490760.04, 3859060.04	6.09E-03	1.92E-06	5.59E-07	6.22E-03	1.96E-06	5.71E-07	6.21E-03	1.96E-06	5.70E-07
2699	490810.04, 3859060.04	5.74E-03	1.81E-06	5.27E-07	5.86E-03	1.85E-06	5.38E-07	5.85E-03	1.85E-06	5.37E-07
2700	490860.04, 3859060.04	5.45E-03	1.72E-06	5.00E-07	5.56E-03	1.76E-06	5.11E-07	5.55E-03	1.75E-06	5.10E-07
2701	490360.04, 3859110.04	1.11E-02	3.50E-06	1.02E-06	1.13E-02	3.57E-06	1.04E-06	1.13E-02	3.57E-06	1.04E-06
2702	490410.04, 3859110.04	1.02E-02	3.21E-06	9.35E-07	1.04E-02	3.28E-06	9.54E-07	1.04E-02	3.27E-06	9.53E-07
2703	490460.04, 3859110.04	9.55E-03	3.01E-06	8.77E-07	9.74E-03	3.08E-06	8.95E-07	9.73E-03	3.07E-06	8.94E-07
2704	490510.04, 3859110.04	8.66E-03	2.73E-06	7.95E-07	8.84E-03	2.79E-06	8.12E-07	8.83E-03	2.79E-06	8.11E-07
2705	490560.04, 3859110.04	8.12E-03	2.56E-06	7.45E-07	8.29E-03	2.61E-06	7.61E-07	8.28E-03	2.61E-06	7.60E-07
2706	490610.04, 3859110.04	7.58E-03	2.39E-06	6.96E-07	7.74E-03	2.44E-06	7.11E-07	7.73E-03	2.44E-06	7.10E-07
2707	490660.04, 3859110.04	7.06E-03	2.23E-06	6.48E-07	7.20E-03	2.27E-06	6.61E-07	7.19E-03	2.27E-06	6.60E-07
2708	490710.04, 3859110.04	6.73E-03	2.12E-06	6.18E-07	6.87E-03	2.17E-06	6.30E-07	6.86E-03	2.16E-06	6.30E-07
2709	490760.04, 3859110.04	6.36E-03	2.01E-06	5.84E-07	6.49E-03	2.05E-06	5.96E-07	6.48E-03	2.05E-06	5.95E-07
2710	490810.04, 3859110.04	5.97E-03	1.88E-06	5.48E-07	6.09E-03	1.92E-06	5.59E-07	6.08E-03	1.92E-06	5.58E-07
2711	490860.04, 3859110.04	5.62E-03	1.77E-06	5.16E-07	5.73E-03	1.81E-06	5.26E-07	5.73E-03	1.81E-06	5.26E-07
2712	490360.04, 3859160.04	1.24E-02	3.91E-06	1.14E-06	1.26E-02	3.99E-06	1.16E-06	1.26E-02	3.99E-06	1.16E-06
2713	490410.04, 3859160.04	1.14E-02	3.58E-06	1.04E-06	1.16E-02	3.66E-06	1.06E-06	1.16E-02	3.65E-06	1.06E-06
2714	490460.04, 3859160.04	1.05E-02	3.31E-06	9.62E-07	1.07E-02	3.37E-06	9.81E-07	1.07E-02	3.37E-06	9.80E-07
2715	490510.04, 3859160.04	9.66E-03	3.05E-06	8.87E-07	9.86E-03	3.11E-06	9.05E-07	9.85E-03	3.11E-06	9.04E-07
2716	490560.04, 3859160.04	8.82E-03	2.78E-06	8.10E-07	9.00E-03	2.84E-06	8.26E-07	8.99E-03	2.84E-06	8.25E-07
2717	490610.04, 3859160.04	8.27E-03	2.61E-06	7.59E-07	8.44E-03	2.66E-06	7.75E-07	8.43E-03	2.66E-06	7.74E-07
2718	490660.04, 3859160.04	7.41E-03	2.34E-06	6.80E-07	7.56E-03	2.39E-06	6.94E-07	7.55E-03	2.38E-06	6.93E-07
2719	490710.04, 3859160.04	7.03E-03	2.22E-06	6.45E-07	7.17E-03	2.26E-06	6.59E-07	7.17E-03	2.26E-06	6.58E-07
2720	490760.04, 3859160.04	6.50E-03	2.05E-06	5.96E-07	6.63E-03	2.09E-06	6.09E-07	6.62E-03	2.09E-06	6.08E-07
2721	490810.04, 3859160.04	6.19E-03	1.95E-06	5.68E-07	6.31E-03	1.99E-06	5.79E-07	6.30E-03	1.99E-06	5.79E-07
2722	490860.04, 3859160.04	5.88E-03	1.85E-06	5.40E-07	6.00E-03	1.89E-06	5.51E-07	5.99E-03	1.89E-06	5.50E-07
2723	490360.04, 3859210.04	1.39E-02	4.37E-06	1.27E-06	1.41E-02	4.46E-06	1.30E-06	1.41E-02	4.46E-06	1.30E-06
2724	490410.04, 3859210.04	1.30E-02	4.10E-06	1.19E-06	1.32E-02	4.18E-06	1.22E-06	1.32E-02	4.18E-06	1.21E-06

2725	490460.04, 3859210.04	1.15E-02	3.64E-06	1.06E-06	1.18E-02	3.71E-06	1.08E-06	1.18E-02	3.71E-06	1.08E-06
2726	490510.04, 3859210.04	1.05E-02	3.33E-06	9.68E-07	1.08E-02	3.40E-06	9.88E-07	1.07E-02	3.39E-06	9.87E-07
2727	490560.04, 3859210.04	9.86E-03	3.11E-06	9.05E-07	1.01E-02	3.17E-06	9.23E-07	1.00E-02	3.17E-06	9.22E-07
2728	490610.04, 3859210.04	9.07E-03	2.86E-06	8.33E-07	9.26E-03	2.92E-06	8.50E-07	9.25E-03	2.92E-06	8.49E-07
2729	490660.04, 3859210.04	8.14E-03	2.57E-06	7.47E-07	8.30E-03	2.62E-06	7.62E-07	8.29E-03	2.62E-06	7.61E-07
2730	490710.04, 3859210.04	7.57E-03	2.39E-06	6.95E-07	7.72E-03	2.44E-06	7.09E-07	7.72E-03	2.44E-06	7.08E-07
2731	490760.04, 3859210.04	7.01E-03	2.21E-06	6.44E-07	7.16E-03	2.26E-06	6.57E-07	7.15E-03	2.26E-06	6.56E-07
2732	490810.04, 3859210.04	6.81E-03	2.15E-06	6.25E-07	6.95E-03	2.19E-06	6.38E-07	6.94E-03	2.19E-06	6.37E-07
2733	490860.04, 3859210.04	6.60E-03	2.08E-06	6.06E-07	6.74E-03	2.13E-06	6.18E-07	6.73E-03	2.12E-06	6.18E-07
2734	490360.04, 3859260.04	1.54E-02	4.85E-06	1.41E-06	1.57E-02	4.94E-06	1.44E-06	1.56E-02	4.94E-06	1.44E-06
2735	490410.04, 3859260.04	1.42E-02	4.48E-06	1.30E-06	1.45E-02	4.57E-06	1.33E-06	1.45E-02	4.57E-06	1.33E-06
2736	490460.04, 3859260.04	1.33E-02	4.19E-06	1.22E-06	1.35E-02	4.27E-06	1.24E-06	1.35E-02	4.27E-06	1.24E-06
2737	490510.04, 3859260.04	1.24E-02	3.90E-06	1.13E-06	1.26E-02	3.98E-06	1.16E-06	1.26E-02	3.97E-06	1.16E-06
2738	490560.04, 3859260.04	1.13E-02	3.57E-06	1.04E-06	1.16E-02	3.65E-06	1.06E-06	1.15E-02	3.64E-06	1.06E-06
2739	490610.04, 3859260.04	1.01E-02	3.19E-06	9.29E-07	1.03E-02	3.26E-06	9.48E-07	1.03E-02	3.26E-06	9.47E-07
2740	490660.04, 3859260.04	9.70E-03	3.06E-06	8.91E-07	9.90E-03	3.13E-06	9.09E-07	9.89E-03	3.12E-06	9.08E-07
2741	490710.04, 3859260.04	9.01E-03	2.85E-06	8.28E-07	9.20E-03	2.90E-06	8.44E-07	9.19E-03	2.90E-06	8.43E-07
2742	490760.04, 3859260.04	8.22E-03	2.60E-06	7.55E-07	8.39E-03	2.65E-06	7.70E-07	8.38E-03	2.65E-06	7.69E-07
2743	490810.04, 3859260.04	7.89E-03	2.49E-06	7.24E-07	8.05E-03	2.54E-06	7.39E-07	8.04E-03	2.54E-06	7.38E-07
2744	490860.04, 3859260.04	7.57E-03	2.39E-06	6.95E-07	7.72E-03	2.44E-06	7.09E-07	7.71E-03	2.43E-06	7.08E-07
2745	490360.04, 3859310.04	1.76E-02	5.56E-06	1.62E-06	1.80E-02	5.67E-06	1.65E-06	1.80E-02	5.67E-06	1.65E-06
2746	490410.04, 3859310.04	1.62E-02	5.11E-06	1.49E-06	1.65E-02	5.22E-06	1.52E-06	1.65E-02	5.21E-06	1.52E-06
2747	490460.04, 3859310.04	1.50E-02	4.74E-06	1.38E-06	1.53E-02	4.83E-06	1.41E-06	1.53E-02	4.83E-06	1.40E-06
2748	490510.04, 3859310.04	1.41E-02	4.44E-06	1.29E-06	1.44E-02	4.54E-06	1.32E-06	1.44E-02	4.53E-06	1.32E-06
2749	490560.04, 3859310.04	1.32E-02	4.15E-06	1.21E-06	1.34E-02	4.24E-06	1.23E-06	1.34E-02	4.23E-06	1.23E-06
2750	490610.04, 3859310.04	1.24E-02	3.91E-06	1.14E-06	1.26E-02	3.99E-06	1.16E-06	1.26E-02	3.99E-06	1.16E-06
2751	490660.04, 3859310.04	1.15E-02	3.64E-06	1.06E-06	1.18E-02	3.71E-06	1.08E-06	1.18E-02	3.71E-06	1.08E-06
2752	490710.04, 3859310.04	1.03E-02	3.25E-06	9.47E-07	1.05E-02	3.32E-06	9.66E-07	1.05E-02	3.32E-06	9.65E-07
2753	490760.04, 3859310.04	9.60E-03	3.03E-06	8.81E-07	9.80E-03	3.09E-06	8.99E-07	9.79E-03	3.09E-06	8.98E-07
2754	490810.04, 3859310.04	9.14E-03	2.89E-06	8.40E-07	9.33E-03	2.95E-06	8.57E-07	9.32E-03	2.94E-06	8.56E-07
2755	490860.04, 3859310.04	8.59E-03	2.71E-06	7.88E-07	8.76E-03	2.77E-06	8.04E-07	8.75E-03	2.76E-06	8.03E-07
2756	490360.04, 3859360.04	2.04E-02	6.45E-06	1.88E-06	2.09E-02	6.59E-06	1.92E-06	2.08E-02	6.58E-06	1.91E-06
2757	490410.04, 3859360.04	1.90E-02	5.99E-06	1.74E-06	1.94E-02	6.11E-06	1.78E-06	1.94E-02	6.11E-06	1.78E-06
2758	490460.04, 3859360.04	1.77E-02	5.60E-06	1.63E-06	1.81E-02	5.71E-06	1.66E-06	1.81E-02	5.70E-06	1.66E-06
2759	490510.04, 3859360.04	1.66E-02	5.23E-06	1.52E-06	1.69E-02	5.33E-06	1.55E-06	1.69E-02	5.33E-06	1.55E-06
2760	490560.04, 3859360.04	1.52E-02	4.81E-06	1.40E-06	1.55E-02	4.91E-06	1.43E-06	1.55E-02	4.90E-06	1.43E-06
2761	490610.04, 3859360.04	1.41E-02	4.44E-06	1.29E-06	1.44E-02	4.53E-06	1.32E-06	1.43E-02	4.52E-06	1.32E-06
2762	490660.04, 3859360.04	1.31E-02	4.14E-06	1.21E-06	1.34E-02	4.23E-06	1.23E-06	1.34E-02	4.22E-06	1.23E-06
2763	490710.04, 3859360.04	1.20E-02	3.80E-06	1.10E-06	1.23E-02	3.88E-06	1.13E-06	1.23E-02	3.87E-06	1.13E-06
2764	490760.04, 3859360.04	1.10E-02	3.48E-06	1.01E-06	1.12E-02	3.55E-06	1.03E-06	1.12E-02	3.54E-06	1.03E-06
2765	490810.04, 3859360.04	1.06E-02	3.34E-06	9.73E-07	1.08E-02	3.41E-06	9.93E-07	1.08E-02	3.41E-06	9.91E-07
2766	490860.04, 3859360.04	9.97E-03	3.15E-06	9.16E-07	1.02E-02	3.21E-06	9.34E-07	1.02E-02	3.21E-06	9.33E-07
2767	490360.04, 3859410.04	2.40E-02	7.58E-06	2.21E-06	2.45E-02	7.74E-06	2.25E-06	2.45E-02	7.73E-06	2.25E-06
2768	490410.04, 3859410.04	2.23E-02	7.04E-06	2.05E-06	2.28E-02	7.18E-06	2.09E-06	2.27E-02	7.17E-06	2.09E-06
2769	490460.04, 3859410.04	2.07E-02	6.54E-06	1.90E-06	2.12E-02	6.68E-06	1.94E-06	2.11E-02	6.67E-06	1.94E-06
2770	490510.04, 3859410.04	1.93E-02	6.08E-06	1.77E-06	1.97E-02	6.21E-06	1.81E-06	1.96E-02	6.20E-06	1.80E-06
2771	490560.04, 3859410.04	1.80E-02	5.67E-06	1.65E-06	1.83E-02	5.78E-06	1.68E-06	1.83E-02	5.78E-06	1.68E-06
2772	490610.04, 3859410.04	1.67E-02	5.28E-06	1.53E-06	1.71E-02	5.38E-06	1.57E-06	1.70E-02	5.38E-06	1.56E-06
2773	490660.04, 3859410.04	1.52E-02	4.79E-06	1.39E-06	1.55E-02	4.89E-06	1.42E-06	1.55E-02	4.89E-06	1.42E-06
2774	490710.04, 3859410.04	1.40E-02	4.41E-06	1.28E-06	1.43E-02	4.50E-06	1.31E-06	1.42E-02	4.49E-06	1.31E-06
2775	490760.04, 3859410.04	1.27E-02	4.01E-06	1.17E-06	1.30E-02	4.09E-06	1.19E-06	1.29E-02	4.08E-06	1.19E-06
2776	490810.04, 3859410.04	1.22E-02	3.84E-06	1.12E-06	1.24E-02	3.91E-06	1.14E-06	1.24E-02	3.91E-06	1.14E-06
2777	490860.04, 3859410.04	1.18E-02	3.71E-06	1.08E-06	1.20E-02	3.78E-06	1.10E-06	1.20E-02	3.78E-06	1.10E-06
2778	490360.04, 3859460.04	2.88E-02	9.09E-06	2.64E-06	2.94E-02	9.28E-06	2.70E-06	2.94E-02	9.27E-06	2.70E-06
2779	490410.04, 3859460.04	2.63E-02	8.29E-06	2.41E-06	2.68E-02	8.45E-06	2.46E-06	2.68E-02	8.44E-06	2.46E-06
2780	490460.04, 3859460.04	2.43E-02	7.67E-06	2.23E-06	2.48E-02	7.83E-06	2.28E-06	2.48E-02	7.82E-06	2.27E-06
2781	490510.04, 3859460.04	2.25E-02	7.12E-06	2.07E-06	2.30E-02	7.26E-06	2.11E-06	2.30E-02	7.25E-06	2.11E-06
2782	490560.04, 3859460.04	2.10E-02	6.63E-06	1.93E-06	2.14E-02	6.76E-06	1.97E-06	2.14E-02	6.75E-06	1.96E-06
2783	490610.04, 3859460.04	1.94E-02	6.12E-06	1.78E-06	1.98E-02	6.25E-06	1.82E-06	1.98E-02	6.24E-06	1.82E-06
2784	490660.04, 3859460.04	1.79E-02	5.64E-06	1.64E-06	1.82E-02	5.75E-06	1.67E-06	1.82E-02	5.75E-06	1.67E-06
2785	490710.04, 3859460.04	1.66E-02	5.25E-06	1.53E-06	1.70E-02	5.35E-06	1.56E-06	1.69E-02	5.35E-06	1.56E-06
2786	490760.04, 3859460.04	1.54E-02	4.86E-06	1.41E-06	1.57E-02	4.96E-06	1.44E-06	1.57E-02	4.95E-06	1.44E-06

2787	490810.04, 3859460.04	1.43E-02	4.51E-06	1.31E-06	1.46E-02	4.61E-06	1.34E-06	1.46E-02	4.60E-06	1.34E-06
2788	490860.04, 3859460.04	1.37E-02	4.31E-06	1.25E-06	1.39E-02	4.40E-06	1.28E-06	1.39E-02	4.40E-06	1.28E-06
2789	490360.04, 3859510.04	3.59E-02	1.13E-05	3.29E-06	3.66E-02	1.16E-05	3.36E-06	3.66E-02	1.15E-05	3.36E-06
2790	490410.04, 3859510.04	3.24E-02	1.02E-05	2.98E-06	3.31E-02	1.04E-05	3.04E-06	3.30E-02	1.04E-05	3.03E-06
2791	490460.04, 3859510.04	2.94E-02	9.27E-06	2.70E-06	3.00E-02	9.46E-06	2.75E-06	2.99E-02	9.44E-06	2.75E-06
2792	490510.04, 3859510.04	2.70E-02	8.52E-06	2.48E-06	2.75E-02	8.69E-06	2.53E-06	2.75E-02	8.68E-06	2.52E-06
2793	490560.04, 3859510.04	2.49E-02	7.87E-06	2.29E-06	2.54E-02	8.03E-06	2.33E-06	2.54E-02	8.02E-06	2.33E-06
2794	490610.04, 3859510.04	2.30E-02	7.25E-06	2.11E-06	2.34E-02	7.39E-06	2.15E-06	2.34E-02	7.38E-06	2.15E-06
2795	490660.04, 3859510.04	2.12E-02	6.68E-06	1.94E-06	2.16E-02	6.82E-06	1.98E-06	2.16E-02	6.81E-06	1.98E-06
2796	490710.04, 3859510.04	1.95E-02	6.16E-06	1.79E-06	1.99E-02	6.29E-06	1.83E-06	1.99E-02	6.28E-06	1.83E-06
2797	490760.04, 3859510.04	1.81E-02	5.70E-06	1.66E-06	1.84E-02	5.82E-06	1.69E-06	1.84E-02	5.81E-06	1.69E-06
2798	490810.04, 3859510.04	1.69E-02	5.35E-06	1.56E-06	1.73E-02	5.46E-06	1.59E-06	1.73E-02	5.45E-06	1.59E-06
2799	490860.04, 3859510.04	1.58E-02	4.99E-06	1.45E-06	1.61E-02	5.09E-06	1.48E-06	1.61E-02	5.09E-06	1.48E-06
2800	490360.04, 3859560.04	4.66E-02	1.47E-05	4.28E-06	4.76E-02	1.50E-05	4.37E-06	4.75E-02	1.50E-05	4.36E-06
2801	490410.04, 3859560.04	4.16E-02	1.31E-05	3.82E-06	4.24E-02	1.34E-05	3.90E-06	4.24E-02	1.34E-05	3.89E-06
2802	490460.04, 3859560.04	3.75E-02	1.18E-05	3.44E-06	3.82E-02	1.21E-05	3.51E-06	3.82E-02	1.21E-05	3.51E-06
2803	490510.04, 3859560.04	3.33E-02	1.05E-05	3.06E-06	3.40E-02	1.07E-05	3.12E-06	3.39E-02	1.07E-05	3.12E-06
2804	490560.04, 3859560.04	3.05E-02	9.63E-06	2.80E-06	3.11E-02	9.82E-06	2.86E-06	3.11E-02	9.81E-06	2.85E-06
2805	490610.04, 3859560.04	2.78E-02	8.78E-06	2.55E-06	2.84E-02	8.95E-06	2.60E-06	2.83E-02	8.94E-06	2.60E-06
2806	490660.04, 3859560.04	2.55E-02	8.06E-06	2.34E-06	2.60E-02	8.22E-06	2.39E-06	2.60E-02	8.21E-06	2.39E-06
2807	490710.04, 3859560.04	2.34E-02	7.38E-06	2.15E-06	2.39E-02	7.53E-06	2.19E-06	2.38E-02	7.53E-06	2.19E-06
2808	490760.04, 3859560.04	2.13E-02	6.71E-06	1.95E-06	2.17E-02	6.85E-06	1.99E-06	2.17E-02	6.84E-06	1.99E-06
2809	490810.04, 3859560.04	1.96E-02	6.20E-06	1.80E-06	2.00E-02	6.33E-06	1.84E-06	2.00E-02	6.32E-06	1.84E-06
2810	490860.04, 3859560.04	1.82E-02	5.73E-06	1.67E-06	1.85E-02	5.85E-06	1.70E-06	1.85E-02	5.84E-06	1.70E-06
2811	490187.25, 3859422.08	3.44E-02	1.09E-05	3.16E-06	3.51E-02	1.11E-05	3.22E-06	3.51E-02	1.11E-05	3.22E-06
2812	490237.25, 3859422.08	3.13E-02	9.87E-06	2.87E-06	3.19E-02	1.01E-05	2.93E-06	3.19E-02	1.01E-05	2.93E-06
2813	490287.25, 3859422.08	2.85E-02	8.99E-06	2.62E-06	2.91E-02	9.18E-06	2.67E-06	2.90E-02	9.17E-06	2.67E-06
2814	490337.25, 3859422.08	2.59E-02	8.18E-06	2.38E-06	2.64E-02	8.34E-06	2.43E-06	2.64E-02	8.33E-06	2.42E-06
2815	490187.25, 3859472.08	4.25E-02	1.34E-05	3.90E-06	4.34E-02	1.37E-05	3.98E-06	4.33E-02	1.37E-05	3.98E-06
2816	490237.25, 3859472.08	3.83E-02	1.21E-05	3.52E-06	3.91E-02	1.23E-05	3.59E-06	3.91E-02	1.23E-05	3.59E-06
2817	490287.25, 3859472.08	3.46E-02	1.09E-05	3.18E-06	3.53E-02	1.11E-05	3.24E-06	3.53E-02	1.11E-05	3.24E-06
2818	490337.25, 3859472.08	3.15E-02	9.95E-06	2.89E-06	3.22E-02	1.02E-05	2.95E-06	3.21E-02	1.01E-05	2.95E-06
2819	490297.07, 3859500.42	3.86E-02	1.22E-05	3.54E-06	3.94E-02	1.24E-05	3.62E-06	3.94E-02	1.24E-05	3.61E-06
2820	490327.07, 3859500.42	3.66E-02	1.15E-05	3.36E-06	3.73E-02	1.18E-05	3.43E-06	3.73E-02	1.18E-05	3.42E-06
2821	490297.07, 3859530.42	4.53E-02	1.43E-05	4.16E-06	4.62E-02	1.46E-05	4.24E-06	4.61E-02	1.46E-05	4.24E-06
2822	490327.07, 3859530.42	4.25E-02	1.34E-05	3.90E-06	4.34E-02	1.37E-05	3.98E-06	4.33E-02	1.37E-05	3.98E-06
2823	490319.73, 3859055.34	1.05E-02	3.33E-06	9.68E-07	1.08E-02	3.40E-06	9.88E-07	1.07E-02	3.39E-06	9.87E-07
2824	490319.73, 3859105.34	1.17E-02	3.69E-06	1.07E-06	1.19E-02	3.76E-06	1.09E-06	1.19E-02	3.76E-06	1.09E-06
2825	490069.73, 3859155.34	1.76E-02	5.56E-06	1.62E-06	1.80E-02	5.67E-06	1.65E-06	1.79E-02	5.66E-06	1.65E-06
2826	490119.73, 3859155.34	1.66E-02	5.23E-06	1.52E-06	1.69E-02	5.34E-06	1.55E-06	1.69E-02	5.33E-06	1.55E-06
2827	490269.73, 3859155.34	1.41E-02	4.44E-06	1.29E-06	1.44E-02	4.53E-06	1.32E-06	1.43E-02	4.53E-06	1.32E-06
2828	490319.73, 3859155.34	1.31E-02	4.13E-06	1.20E-06	1.34E-02	4.22E-06	1.23E-06	1.33E-02	4.21E-06	1.23E-06
2829	490069.73, 3859205.34	2.04E-02	6.45E-06	1.88E-06	2.09E-02	6.59E-06	1.92E-06	2.08E-02	6.58E-06	1.91E-06
2830	490119.73, 3859205.34	1.93E-02	6.10E-06	1.77E-06	1.97E-02	6.22E-06	1.81E-06	1.97E-02	6.21E-06	1.81E-06
2831	490169.73, 3859205.34	1.81E-02	5.72E-06	1.66E-06	1.85E-02	5.84E-06	1.70E-06	1.85E-02	5.83E-06	1.70E-06
2832	490219.73, 3859205.34	1.68E-02	5.32E-06	1.55E-06	1.72E-02	5.42E-06	1.58E-06	1.72E-02	5.42E-06	1.58E-06
2833	490269.73, 3859205.34	1.56E-02	4.91E-06	1.43E-06	1.59E-02	5.01E-06	1.46E-06	1.59E-02	5.00E-06	1.46E-06
2834	490319.73, 3859205.34	1.46E-02	4.60E-06	1.34E-06	1.49E-02	4.70E-06	1.37E-06	1.49E-02	4.69E-06	1.36E-06
2835	490069.73, 3859255.34	2.37E-02	7.48E-06	2.18E-06	2.42E-02	7.63E-06	2.22E-06	2.41E-02	7.62E-06	2.22E-06
2836	490119.73, 3859255.34	2.22E-02	7.00E-06	2.04E-06	2.26E-02	7.14E-06	2.08E-06	2.26E-02	7.13E-06	2.07E-06
2837	490169.73, 3859255.34	2.07E-02	6.53E-06	1.90E-06	2.11E-02	6.67E-06	1.94E-06	2.11E-02	6.66E-06	1.94E-06
2838	490219.73, 3859255.34	1.91E-02	6.03E-06	1.76E-06	1.95E-02	6.16E-06	1.79E-06	1.95E-02	6.15E-06	1.79E-06
2839	490269.73, 3859255.34	1.77E-02	5.58E-06	1.62E-06	1.80E-02	5.70E-06	1.66E-06	1.80E-02	5.69E-06	1.65E-06
2840	490319.73, 3859255.34	1.65E-02	5.20E-06	1.51E-06	1.68E-02	5.31E-06	1.54E-06	1.68E-02	5.30E-06	1.54E-06
2841	490069.73, 3859305.34	2.77E-02	8.75E-06	2.55E-06	2.83E-02	8.93E-06	2.60E-06	2.83E-02	8.92E-06	2.59E-06
2842	490119.73, 3859305.34	2.58E-02	8.14E-06	2.37E-06	2.63E-02	8.30E-06	2.41E-06	2.63E-02	8.29E-06	2.41E-06
2843	490169.73, 3859305.34	2.39E-02	7.54E-06	2.19E-06	2.44E-02	7.69E-06	2.24E-06	2.44E-02	7.69E-06	2.24E-06
2844	490219.73, 3859305.34	2.20E-02	6.95E-06	2.02E-06	2.25E-02	7.09E-06	2.06E-06	2.24E-02	7.08E-06	2.06E-06
2845	490269.73, 3859305.34	2.03E-02	6.41E-06	1.86E-06	2.07E-02	6.54E-06	1.90E-06	2.07E-02	6.53E-06	1.90E-06
2846	490319.73, 3859305.34	1.87E-02	5.90E-06	1.72E-06	1.91E-02	6.02E-06	1.75E-06	1.90E-02	6.01E-06	1.75E-06
2847	490069.73, 3859355.34	3.33E-02	1.05E-05	3.06E-06	3.40E-02	1.07E-05	3.12E-06	3.39E-02	1.07E-05	3.11E-06
2848	490119.73, 3859355.34	3.05E-02	9.64E-06	2.80E-06	3.12E-02	9.83E-06	2.86E-06	3.11E-02	9.82E-06	2.86E-06

2849	490169.73, 3859355.34	2.81E-02	8.85E-06	2.58E-06	2.86E-02	9.04E-06	2.63E-06	2.86E-02	9.02E-06	2.62E-06
2850	490219.73, 3859355.34	2.57E-02	8.11E-06	2.36E-06	2.62E-02	8.27E-06	2.41E-06	2.62E-02	8.26E-06	2.40E-06
2851	490269.73, 3859355.34	2.35E-02	7.43E-06	2.16E-06	2.40E-02	7.58E-06	2.21E-06	2.40E-02	7.58E-06	2.20E-06
2852	490319.73, 3859355.34	2.16E-02	6.83E-06	1.99E-06	2.21E-02	6.97E-06	2.03E-06	2.20E-02	6.96E-06	2.02E-06
2853	490069.73, 3859405.34	4.08E-02	1.29E-05	3.75E-06	4.17E-02	1.32E-05	3.83E-06	4.16E-02	1.31E-05	3.82E-06
2854	490119.73, 3859405.34	3.68E-02	1.16E-05	3.38E-06	3.75E-02	1.19E-05	3.45E-06	3.75E-02	1.18E-05	3.44E-06
2855	490169.73, 3859405.34	3.34E-02	1.05E-05	3.07E-06	3.41E-02	1.08E-05	3.13E-06	3.40E-02	1.07E-05	3.12E-06
2856	490219.73, 3859405.34	3.04E-02	9.61E-06	2.80E-06	3.11E-02	9.81E-06	2.85E-06	3.10E-02	9.79E-06	2.85E-06
2857	490269.73, 3859405.34	2.77E-02	8.74E-06	2.54E-06	2.83E-02	8.92E-06	2.59E-06	2.82E-02	8.91E-06	2.59E-06
2858	490319.73, 3859405.34	2.51E-02	7.93E-06	2.31E-06	2.57E-02	8.10E-06	2.36E-06	2.56E-02	8.09E-06	2.35E-06
2859	490161.89, 3859541.83	6.95E-02	2.19E-05	6.38E-06	7.09E-02	2.24E-05	6.51E-06	7.08E-02	2.23E-05	6.50E-06
2860	490171.89, 3859541.83	6.74E-02	2.13E-05	6.19E-06	6.88E-02	2.17E-05	6.31E-06	6.87E-02	2.17E-05	6.30E-06
2861	490161.89, 3859551.83	7.60E-02	2.40E-05	6.98E-06	7.76E-02	2.45E-05	7.12E-06	7.75E-02	2.45E-05	7.11E-06
2862	490171.89, 3859551.83	7.35E-02	2.32E-05	6.74E-06	7.50E-02	2.37E-05	6.88E-06	7.49E-02	2.36E-05	6.87E-06
2863	489799.72, 3859348.21	6.44E-02	2.03E-05	5.91E-06	6.57E-02	2.07E-05	6.03E-06	6.57E-02	2.07E-05	6.03E-06
2864	489819.72, 3859348.21	5.99E-02	1.89E-05	5.50E-06	6.11E-02	1.93E-05	5.61E-06	6.11E-02	1.93E-05	5.61E-06
2865	489799.72, 3859368.21	7.52E-02	2.37E-05	6.90E-06	7.67E-02	2.42E-05	7.04E-06	7.66E-02	2.42E-05	7.04E-06
2866	489819.72, 3859368.21	6.91E-02	2.18E-05	6.34E-06	7.05E-02	2.22E-05	6.47E-06	7.04E-02	2.22E-05	6.46E-06
2867	489775.41, 3859329.72	6.19E-02	1.96E-05	5.69E-06	6.32E-02	1.99E-05	5.80E-06	6.31E-02	1.99E-05	5.80E-06
2868	489795.41, 3859329.72	5.77E-02	1.82E-05	5.30E-06	5.89E-02	1.86E-05	5.41E-06	5.89E-02	1.86E-05	5.40E-06
2869	489775.41, 3859349.72	7.19E-02	2.27E-05	6.60E-06	7.33E-02	2.31E-05	6.73E-06	7.32E-02	2.31E-05	6.72E-06
2870	489795.41, 3859349.72	6.62E-02	2.09E-05	6.08E-06	6.76E-02	2.13E-05	6.20E-06	6.75E-02	2.13E-05	6.20E-06
2871	489595.05, 3859219.43	5.55E-02	1.75E-05	5.09E-06	5.66E-02	1.79E-05	5.20E-06	5.65E-02	1.78E-05	5.19E-06
2872	489615.05, 3859219.43	5.19E-02	1.64E-05	4.76E-06	5.30E-02	1.67E-05	4.86E-06	5.29E-02	1.67E-05	4.86E-06
2873	489595.05, 3859239.43	6.39E-02	2.02E-05	5.86E-06	6.52E-02	2.06E-05	5.98E-06	6.51E-02	2.05E-05	5.98E-06
2874	489615.05, 3859239.43	5.92E-02	1.87E-05	5.44E-06	6.04E-02	1.91E-05	5.55E-06	6.04E-02	1.90E-05	5.54E-06
2875	489372.4, 3859092.58	5.04E-02	1.59E-05	4.62E-06	5.14E-02	1.62E-05	4.72E-06	5.13E-02	1.62E-05	4.71E-06
2876	489422.4, 3859092.58	4.31E-02	1.36E-05	3.95E-06	4.39E-02	1.39E-05	4.03E-06	4.39E-02	1.39E-05	4.03E-06
2877	489372.4, 3859142.58	7.36E-02	2.32E-05	6.76E-06	7.51E-02	2.37E-05	6.90E-06	7.50E-02	2.37E-05	6.89E-06
2878	489422.4, 3859142.58	5.98E-02	1.89E-05	5.49E-06	6.10E-02	1.93E-05	5.60E-06	6.10E-02	1.92E-05	5.60E-06
2879	488870.84, 3858666.64	4.20E-03	1.33E-06	3.86E-07	4.29E-03	1.35E-06	3.94E-07	4.28E-03	1.35E-06	3.93E-07
2880	488900.84, 3858666.64	4.20E-03	1.33E-06	3.86E-07	4.29E-03	1.35E-06	3.94E-07	4.28E-03	1.35E-06	3.93E-07
2881	488870.84, 3858696.64	4.67E-03	1.47E-06	4.29E-07	4.77E-03	1.50E-06	4.38E-07	4.76E-03	1.50E-06	4.37E-07
2882	488900.84, 3858696.64	4.67E-03	1.47E-06	4.29E-07	4.77E-03	1.50E-06	4.38E-07	4.76E-03	1.50E-06	4.37E-07
2883	488889.67, 3858683.97	4.46E-03	1.41E-06	4.10E-07	4.55E-03	1.44E-06	4.18E-07	4.55E-03	1.43E-06	4.17E-07
2884	488919.67, 3858683.97	4.46E-03	1.41E-06	4.09E-07	4.55E-03	1.44E-06	4.18E-07	4.54E-03	1.43E-06	4.17E-07
2885	488889.67, 3858713.97	5.01E-03	1.58E-06	4.60E-07	5.11E-03	1.61E-06	4.69E-07	5.10E-03	1.61E-06	4.68E-07
2886	488919.67, 3858713.97	5.00E-03	1.58E-06	4.59E-07	5.11E-03	1.61E-06	4.69E-07	5.10E-03	1.61E-06	4.68E-07
2887	488906.61, 3858703.33	4.79E-03	1.51E-06	4.40E-07	4.89E-03	1.54E-06	4.49E-07	4.89E-03	1.54E-06	4.49E-07
2888	488936.61, 3858703.33	4.79E-03	1.51E-06	4.40E-07	4.89E-03	1.54E-06	4.49E-07	4.88E-03	1.54E-06	4.48E-07
2889	488906.61, 3858733.33	5.45E-03	1.72E-06	5.00E-07	5.56E-03	1.75E-06	5.10E-07	5.55E-03	1.75E-06	5.10E-07
2890	488936.61, 3858733.33	5.45E-03	1.72E-06	5.00E-07	5.56E-03	1.75E-06	5.10E-07	5.55E-03	1.75E-06	5.10E-07
2891	488637.63, 3858467.85	2.53E-03	7.98E-07	2.32E-07	2.58E-03	8.14E-07	2.37E-07	2.58E-03	8.13E-07	2.37E-07
2892	488662.63, 3858467.85	2.54E-03	8.01E-07	2.33E-07	2.59E-03	8.18E-07	2.38E-07	2.59E-03	8.17E-07	2.38E-07
2893	488637.63, 3858492.85	2.64E-03	8.32E-07	2.42E-07	2.69E-03	8.49E-07	2.47E-07	2.69E-03	8.48E-07	2.47E-07
2894	488662.63, 3858492.85	2.65E-03	8.37E-07	2.43E-07	2.71E-03	8.54E-07	2.48E-07	2.70E-03	8.53E-07	2.48E-07
2895	488687.63, 3858492.85	2.66E-03	8.40E-07	2.44E-07	2.72E-03	8.58E-07	2.49E-07	2.71E-03	8.57E-07	2.49E-07
2896	488637.63, 3858517.85	2.75E-03	8.69E-07	2.53E-07	2.81E-03	8.87E-07	2.58E-07	2.81E-03	8.86E-07	2.58E-07
2897	488662.63, 3858517.85	2.77E-03	8.76E-07	2.55E-07	2.83E-03	8.93E-07	2.60E-07	2.83E-03	8.92E-07	2.60E-07
2898	488687.63, 3858517.85	2.79E-03	8.80E-07	2.56E-07	2.85E-03	8.98E-07	2.61E-07	2.84E-03	8.97E-07	2.61E-07
2899	488194.42, 3857168.98	9.63E-04	3.04E-07	8.84E-08	9.82E-04	3.10E-07	9.02E-08	9.81E-04	3.10E-07	9.01E-08
2900	488244.42, 3857168.98	9.67E-04	3.05E-07	8.88E-08	9.87E-04	3.12E-07	9.06E-08	9.86E-04	3.11E-07	9.05E-08
2901	488294.42, 3857168.98	9.70E-04	3.06E-07	8.90E-08	9.90E-04	3.12E-07	9.08E-08	9.88E-04	3.12E-07	9.07E-08
2902	488244.42, 3857218.98	9.75E-04	3.08E-07	8.95E-08	9.95E-04	3.14E-07	9.14E-08	9.94E-04	3.14E-07	9.13E-08
2903	488294.42, 3857218.98	9.79E-04	3.09E-07	8.99E-08	9.99E-04	3.15E-07	9.18E-08	9.98E-04	3.15E-07	9.16E-08
2904	488294.42, 3857268.98	9.91E-04	3.13E-07	9.09E-08	1.01E-03	3.19E-07	9.28E-08	1.01E-03	3.19E-07	9.27E-08
2905	488139.13, 3857111.68	9.51E-04	3.00E-07	8.73E-08	9.71E-04	3.06E-07	8.91E-08	9.69E-04	3.06E-07	8.90E-08
2906	488189.13, 3857111.68	9.56E-04	3.02E-07	8.78E-08	9.76E-04	3.08E-07	8.96E-08	9.75E-04	3.08E-07	8.95E-08
2907	488189.13, 3857161.68	9.61E-04	3.03E-07	8.82E-08	9.81E-04	3.10E-07	9.00E-08	9.80E-04	3.09E-07	8.99E-08
2908	487951.04, 3856961.26	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.70E-08	9.46E-04	2.99E-07	8.68E-08
2909	488001.04, 3856961.26	9.31E-04	2.94E-07	8.54E-08	9.50E-04	3.00E-07	8.72E-08	9.48E-04	2.99E-07	8.71E-08
2910	488051.04, 3856961.26	9.29E-04	2.93E-07	8.53E-08	9.48E-04	2.99E-07	8.70E-08	9.47E-04	2.99E-07	8.69E-08

2911	488101.04, 3856961.26	9.34E-04	2.95E-07	8.58E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.00E-07	8.74E-08
2912	487951.04, 3857011.26	9.35E-04	2.95E-07	8.58E-08	9.54E-04	3.01E-07	8.76E-08	9.53E-04	3.01E-07	8.75E-08
2913	488001.04, 3857011.26	9.34E-04	2.95E-07	8.58E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.01E-07	8.74E-08
2914	488051.04, 3857011.26	9.34E-04	2.95E-07	8.57E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.00E-07	8.74E-08
2915	488101.04, 3857011.26	9.39E-04	2.96E-07	8.62E-08	9.59E-04	3.03E-07	8.80E-08	9.57E-04	3.02E-07	8.79E-08
2916	488001.04, 3857061.26	9.40E-04	2.97E-07	8.63E-08	9.59E-04	3.03E-07	8.80E-08	9.58E-04	3.02E-07	8.79E-08
2917	488051.04, 3857061.26	9.42E-04	2.97E-07	8.65E-08	9.62E-04	3.03E-07	8.83E-08	9.60E-04	3.03E-07	8.82E-08
2918	488101.04, 3857061.26	9.46E-04	2.98E-07	8.68E-08	9.65E-04	3.05E-07	8.86E-08	9.64E-04	3.04E-07	8.85E-08
2919	487638.98, 3856673.79	8.95E-04	2.83E-07	8.22E-08	9.13E-04	2.88E-07	8.39E-08	9.12E-04	2.88E-07	8.38E-08
2920	487688.98, 3856673.79	8.98E-04	2.84E-07	8.25E-08	9.17E-04	2.89E-07	8.42E-08	9.16E-04	2.89E-07	8.41E-08
2921	487638.98, 3856723.79	8.97E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
2922	487688.98, 3856723.79	9.00E-04	2.84E-07	8.26E-08	9.18E-04	2.90E-07	8.43E-08	9.17E-04	2.89E-07	8.42E-08
2923	486324.61, 3855740.57	9.74E-04	3.07E-07	8.94E-08	9.94E-04	3.14E-07	9.12E-08	9.93E-04	3.13E-07	9.11E-08
2924	486374.61, 3855740.57	9.61E-04	3.03E-07	8.83E-08	9.81E-04	3.10E-07	9.01E-08	9.80E-04	3.09E-07	9.00E-08
2925	486424.61, 3855740.57	9.57E-04	3.02E-07	8.79E-08	9.77E-04	3.08E-07	8.97E-08	9.75E-04	3.08E-07	8.96E-08
2926	486324.61, 3855790.57	9.64E-04	3.04E-07	8.85E-08	9.84E-04	3.11E-07	9.03E-08	9.83E-04	3.10E-07	9.02E-08
2927	486374.61, 3855790.57	9.53E-04	3.01E-07	8.75E-08	9.72E-04	3.07E-07	8.93E-08	9.71E-04	3.07E-07	8.92E-08
2928	486424.61, 3855790.57	9.51E-04	3.00E-07	8.73E-08	9.71E-04	3.06E-07	8.91E-08	9.69E-04	3.06E-07	8.90E-08
2929	486324.61, 3855840.57	9.55E-04	3.02E-07	8.77E-08	9.75E-04	3.08E-07	8.95E-08	9.74E-04	3.07E-07	8.94E-08
2930	486374.61, 3855840.57	9.52E-04	3.00E-07	8.74E-08	9.71E-04	3.07E-07	8.92E-08	9.70E-04	3.06E-07	8.91E-08
2931	486424.61, 3855840.57	9.46E-04	2.99E-07	8.69E-08	9.65E-04	3.05E-07	8.86E-08	9.64E-04	3.04E-07	8.85E-08
2932	486324.61, 3855890.57	9.55E-04	3.01E-07	8.76E-08	9.74E-04	3.07E-07	8.94E-08	9.73E-04	3.07E-07	8.93E-08
2933	486374.61, 3855890.57	9.50E-04	3.00E-07	8.72E-08	9.69E-04	3.06E-07	8.90E-08	9.68E-04	3.06E-07	8.89E-08
2934	486424.61, 3855890.57	9.43E-04	2.98E-07	8.66E-08	9.62E-04	3.04E-07	8.83E-08	9.61E-04	3.03E-07	8.82E-08
2935	488735.69, 3858285.64	1.96E-03	6.20E-07	1.80E-07	2.00E-03	6.33E-07	1.84E-07	2.00E-03	6.32E-07	1.84E-07
2936	488765.69, 3858285.64	1.97E-03	6.22E-07	1.81E-07	2.01E-03	6.34E-07	1.85E-07	2.01E-03	6.34E-07	1.84E-07
2937	488735.69, 3858315.64	2.04E-03	6.44E-07	1.87E-07	2.08E-03	6.57E-07	1.91E-07	2.08E-03	6.56E-07	1.91E-07
2938	488765.69, 3858315.64	2.05E-03	6.46E-07	1.88E-07	2.09E-03	6.59E-07	1.92E-07	2.09E-03	6.58E-07	1.91E-07
2939	478676.63, 3849871.93	2.13E-02	6.71E-06	1.95E-06	2.17E-02	6.85E-06	1.99E-06	2.17E-02	6.84E-06	1.99E-06
2940	479326.63, 3849871.93	1.31E-02	4.13E-06	1.20E-06	1.34E-02	4.22E-06	1.23E-06	1.34E-02	4.21E-06	1.23E-06
2941	479376.63, 3849871.93	1.27E-02	4.01E-06	1.17E-06	1.30E-02	4.10E-06	1.19E-06	1.30E-02	4.09E-06	1.19E-06
2942	479426.63, 3849871.93	1.24E-02	3.93E-06	1.14E-06	1.27E-02	4.01E-06	1.17E-06	1.27E-02	4.00E-06	1.16E-06
2943	478726.63, 3849921.93	2.22E-02	7.02E-06	2.04E-06	2.27E-02	7.16E-06	2.08E-06	2.27E-02	7.15E-06	2.08E-06
2944	478776.63, 3849921.93	2.13E-02	6.72E-06	1.96E-06	2.17E-02	6.86E-06	2.00E-06	2.17E-02	6.85E-06	1.99E-06
2945	478826.63, 3849921.93	2.04E-02	6.45E-06	1.87E-06	2.08E-02	6.58E-06	1.91E-06	2.08E-02	6.57E-06	1.91E-06
2946	478976.63, 3849921.93	1.81E-02	5.71E-06	1.66E-06	1.85E-02	5.83E-06	1.70E-06	1.85E-02	5.82E-06	1.69E-06
2947	479026.63, 3849921.93	1.75E-02	5.54E-06	1.61E-06	1.79E-02	5.65E-06	1.64E-06	1.79E-02	5.64E-06	1.64E-06
2948	479076.63, 3849921.93	1.69E-02	5.34E-06	1.55E-06	1.73E-02	5.45E-06	1.59E-06	1.73E-02	5.45E-06	1.58E-06
2949	479126.63, 3849921.93	1.63E-02	5.16E-06	1.50E-06	1.67E-02	5.26E-06	1.53E-06	1.67E-02	5.26E-06	1.53E-06
2950	479176.63, 3849921.93	1.58E-02	5.00E-06	1.45E-06	1.62E-02	5.10E-06	1.48E-06	1.61E-02	5.09E-06	1.48E-06
2951	479226.63, 3849921.93	1.52E-02	4.79E-06	1.39E-06	1.55E-02	4.89E-06	1.42E-06	1.55E-02	4.89E-06	1.42E-06
2952	479276.63, 3849921.93	1.43E-02	4.52E-06	1.32E-06	1.46E-02	4.61E-06	1.34E-06	1.46E-02	4.61E-06	1.34E-06
2953	479326.63, 3849921.93	1.43E-02	4.52E-06	1.31E-06	1.46E-02	4.61E-06	1.34E-06	1.46E-02	4.60E-06	1.34E-06
2954	479376.63, 3849921.93	1.35E-02	4.27E-06	1.24E-06	1.38E-02	4.36E-06	1.27E-06	1.38E-02	4.35E-06	1.27E-06
2955	479426.63, 3849921.93	1.34E-02	4.23E-06	1.23E-06	1.37E-02	4.32E-06	1.26E-06	1.37E-02	4.31E-06	1.25E-06
2956	478726.63, 3849971.93	2.44E-02	7.70E-06	2.24E-06	2.49E-02	7.86E-06	2.29E-06	2.49E-02	7.85E-06	2.28E-06
2957	478776.63, 3849971.93	2.33E-02	7.35E-06	2.14E-06	2.38E-02	7.50E-06	2.18E-06	2.37E-02	7.49E-06	2.18E-06
2958	478826.63, 3849971.93	2.23E-02	7.02E-06	2.04E-06	2.27E-02	7.17E-06	2.08E-06	2.27E-02	7.16E-06	2.08E-06
2959	478976.63, 3849971.93	1.97E-02	6.21E-06	1.81E-06	2.01E-02	6.34E-06	1.84E-06	2.01E-02	6.33E-06	1.84E-06
2960	479026.63, 3849971.93	1.89E-02	5.97E-06	1.74E-06	1.93E-02	6.09E-06	1.77E-06	1.93E-02	6.08E-06	1.77E-06
2961	479076.63, 3849971.93	1.82E-02	5.74E-06	1.67E-06	1.85E-02	5.85E-06	1.70E-06	1.85E-02	5.85E-06	1.70E-06
2962	479126.63, 3849971.93	1.75E-02	5.53E-06	1.61E-06	1.79E-02	5.64E-06	1.64E-06	1.79E-02	5.63E-06	1.64E-06
2963	479176.63, 3849971.93	1.69E-02	5.34E-06	1.55E-06	1.73E-02	5.45E-06	1.59E-06	1.73E-02	5.44E-06	1.58E-06
2964	479226.63, 3849971.93	1.59E-02	5.00E-06	1.46E-06	1.62E-02	5.11E-06	1.49E-06	1.62E-02	5.10E-06	1.48E-06
2965	479276.63, 3849971.93	1.57E-02	4.95E-06	1.44E-06	1.60E-02	5.05E-06	1.47E-06	1.60E-02	5.04E-06	1.47E-06
2966	479326.63, 3849971.93	1.54E-02	4.85E-06	1.41E-06	1.57E-02	4.95E-06	1.44E-06	1.57E-02	4.95E-06	1.44E-06
2967	479376.63, 3849971.93	1.46E-02	4.61E-06	1.34E-06	1.49E-02	4.70E-06	1.37E-06	1.49E-02	4.70E-06	1.37E-06
2968	479426.63, 3849971.93	1.43E-02	4.50E-06	1.31E-06	1.46E-02	4.60E-06	1.34E-06	1.45E-02	4.59E-06	1.34E-06
2969	478726.63, 3850021.93	2.71E-02	8.54E-06	2.48E-06	2.76E-02	8.71E-06	2.53E-06	2.76E-02	8.70E-06	2.53E-06
2970	478776.63, 3850021.93	2.57E-02	8.10E-06	2.36E-06	2.62E-02	8.27E-06	2.41E-06	2.62E-02	8.26E-06	2.40E-06
2971	478826.63, 3850021.93	2.44E-02	7.71E-06	2.24E-06	2.49E-02	7.87E-06	2.29E-06	2.49E-02	7.86E-06	2.29E-06
2972	478976.63, 3850021.93	2.14E-02	6.75E-06	1.96E-06	2.18E-02	6.88E-06	2.00E-06	2.18E-02	6.88E-06	2.00E-06

2973	478726.63, 3850071.93	3.04E-02	9.59E-06	2.79E-06	3.10E-02	9.78E-06	2.85E-06	3.10E-02	9.77E-06	2.84E-06
2974	478776.63, 3850071.93	2.86E-02	9.04E-06	2.63E-06	2.92E-02	9.22E-06	2.68E-06	2.92E-02	9.21E-06	2.68E-06
2975	478826.63, 3850071.93	2.71E-02	8.56E-06	2.49E-06	2.77E-02	8.73E-06	2.54E-06	2.76E-02	8.72E-06	2.54E-06
2976	478876.63, 3850071.93	2.57E-02	8.12E-06	2.36E-06	2.63E-02	8.29E-06	2.41E-06	2.62E-02	8.28E-06	2.41E-06
2977	478976.63, 3850071.93	2.34E-02	7.38E-06	2.15E-06	2.39E-02	7.53E-06	2.19E-06	2.38E-02	7.52E-06	2.19E-06
2978	478726.63, 3850121.93	3.47E-02	1.10E-05	3.19E-06	3.54E-02	1.12E-05	3.25E-06	3.54E-02	1.12E-05	3.25E-06
2979	478776.63, 3850121.93	3.24E-02	1.02E-05	2.98E-06	3.31E-02	1.04E-05	3.04E-06	3.30E-02	1.04E-05	3.03E-06
2980	478826.63, 3850121.93	3.04E-02	9.61E-06	2.79E-06	3.11E-02	9.80E-06	2.85E-06	3.10E-02	9.79E-06	2.85E-06
2981	478876.63, 3850121.93	2.87E-02	9.06E-06	2.64E-06	2.93E-02	9.25E-06	2.69E-06	2.93E-02	9.24E-06	2.69E-06
2982	478976.63, 3850121.93	2.58E-02	8.14E-06	2.37E-06	2.63E-02	8.30E-06	2.42E-06	2.63E-02	8.29E-06	2.41E-06
2983	479026.63, 3850121.93	2.46E-02	7.75E-06	2.25E-06	2.51E-02	7.91E-06	2.30E-06	2.50E-02	7.90E-06	2.30E-06
2984	479076.63, 3850121.93	2.34E-02	7.40E-06	2.15E-06	2.39E-02	7.55E-06	2.20E-06	2.39E-02	7.54E-06	2.19E-06
2985	479126.63, 3850121.93	2.24E-02	7.06E-06	2.05E-06	2.28E-02	7.21E-06	2.10E-06	2.28E-02	7.20E-06	2.09E-06
2986	478776.63, 3850171.93	3.75E-02	1.18E-05	3.44E-06	3.83E-02	1.21E-05	3.51E-06	3.82E-02	1.21E-05	3.51E-06
2987	478826.63, 3850171.93	3.48E-02	1.10E-05	3.20E-06	3.56E-02	1.12E-05	3.26E-06	3.55E-02	1.12E-05	3.26E-06
2988	478876.63, 3850171.93	3.25E-02	1.03E-05	2.99E-06	3.32E-02	1.05E-05	3.05E-06	3.32E-02	1.05E-05	3.04E-06
2989	478976.63, 3850171.93	2.88E-02	9.09E-06	2.64E-06	2.94E-02	9.27E-06	2.70E-06	2.93E-02	9.26E-06	2.69E-06
2990	479026.63, 3850171.93	2.72E-02	8.60E-06	2.50E-06	2.78E-02	8.77E-06	2.55E-06	2.78E-02	8.76E-06	2.55E-06
2991	479076.63, 3850171.93	2.59E-02	8.17E-06	2.38E-06	2.64E-02	8.34E-06	2.42E-06	2.64E-02	8.33E-06	2.42E-06
2992	479126.63, 3850171.93	2.46E-02	7.77E-06	2.26E-06	2.51E-02	7.93E-06	2.31E-06	2.51E-02	7.92E-06	2.30E-06
2993	479176.63, 3850171.93	2.35E-02	7.42E-06	2.16E-06	2.40E-02	7.57E-06	2.20E-06	2.40E-02	7.56E-06	2.20E-06
2994	479226.63, 3850171.93	2.25E-02	7.12E-06	2.07E-06	2.30E-02	7.26E-06	2.11E-06	2.30E-02	7.25E-06	2.11E-06
2995	479276.63, 3850171.93	2.16E-02	6.82E-06	1.98E-06	2.21E-02	6.96E-06	2.02E-06	2.20E-02	6.95E-06	2.02E-06
2996	479326.63, 3850171.93	2.08E-02	6.56E-06	1.91E-06	2.12E-02	6.70E-06	1.95E-06	2.12E-02	6.69E-06	1.95E-06
2997	479376.63, 3850171.93	1.99E-02	6.29E-06	1.83E-06	2.03E-02	6.42E-06	1.87E-06	2.03E-02	6.41E-06	1.87E-06
2998	478676.63, 3850221.93	5.67E-02	1.79E-05	5.21E-06	5.79E-02	1.83E-05	5.31E-06	5.78E-02	1.82E-05	5.31E-06
2999	478726.63, 3850221.93	5.00E-02	1.58E-05	4.59E-06	5.10E-02	1.61E-05	4.68E-06	5.09E-02	1.61E-05	4.68E-06
3000	478976.63, 3850221.93	3.26E-02	1.03E-05	2.99E-06	3.33E-02	1.05E-05	3.06E-06	3.32E-02	1.05E-05	3.05E-06
3001	479026.63, 3850221.93	3.06E-02	9.65E-06	2.81E-06	3.12E-02	9.85E-06	2.87E-06	3.12E-02	9.84E-06	2.86E-06
3002	479076.63, 3850221.93	2.89E-02	9.11E-06	2.65E-06	2.95E-02	9.30E-06	2.71E-06	2.94E-02	9.29E-06	2.70E-06
3003	479126.63, 3850221.93	2.74E-02	8.63E-06	2.51E-06	2.79E-02	8.81E-06	2.56E-06	2.79E-02	8.80E-06	2.56E-06
3004	479176.63, 3850221.93	2.60E-02	8.19E-06	2.38E-06	2.65E-02	8.36E-06	2.43E-06	2.65E-02	8.35E-06	2.43E-06
3005	479226.63, 3850221.93	2.47E-02	7.80E-06	2.27E-06	2.52E-02	7.96E-06	2.31E-06	2.52E-02	7.95E-06	2.31E-06
3006	479276.63, 3850221.93	2.36E-02	7.44E-06	2.16E-06	2.40E-02	7.59E-06	2.21E-06	2.40E-02	7.58E-06	2.21E-06
3007	479326.63, 3850221.93	2.26E-02	7.14E-06	2.08E-06	2.31E-02	7.28E-06	2.12E-06	2.30E-02	7.27E-06	2.12E-06
3008	479376.63, 3850221.93	2.17E-02	6.85E-06	1.99E-06	2.21E-02	6.99E-06	2.03E-06	2.21E-02	6.98E-06	2.03E-06
3009	478676.63, 3850271.93	7.91E-02	2.50E-05	7.27E-06	8.08E-02	2.55E-05	7.41E-06	8.07E-02	2.55E-05	7.41E-06
3010	478726.63, 3850271.93	6.58E-02	2.08E-05	6.04E-06	6.72E-02	2.12E-05	6.17E-06	6.71E-02	2.12E-05	6.16E-06
3011	478976.63, 3850271.93	3.78E-02	1.19E-05	3.47E-06	3.86E-02	1.22E-05	3.55E-06	3.86E-02	1.22E-05	3.54E-06
3012	479026.63, 3850271.93	3.50E-02	1.10E-05	3.21E-06	3.57E-02	1.13E-05	3.28E-06	3.57E-02	1.13E-05	3.28E-06
3013	479076.63, 3850271.93	3.27E-02	1.03E-05	3.00E-06	3.34E-02	1.05E-05	3.06E-06	3.33E-02	1.05E-05	3.06E-06
3014	479126.63, 3850271.93	3.07E-02	9.69E-06	2.82E-06	3.13E-02	9.89E-06	2.88E-06	3.13E-02	9.87E-06	2.87E-06
3015	479176.63, 3850271.93	2.89E-02	9.13E-06	2.65E-06	2.95E-02	9.31E-06	2.71E-06	2.95E-02	9.30E-06	2.71E-06
3016	479226.63, 3850271.93	2.73E-02	8.63E-06	2.51E-06	2.79E-02	8.80E-06	2.56E-06	2.79E-02	8.79E-06	2.56E-06
3017	479276.63, 3850271.93	2.60E-02	8.20E-06	2.38E-06	2.65E-02	8.36E-06	2.43E-06	2.65E-02	8.35E-06	2.43E-06
3018	479326.63, 3850271.93	2.48E-02	7.83E-06	2.28E-06	2.53E-02	7.99E-06	2.32E-06	2.53E-02	7.98E-06	2.32E-06
3019	479376.63, 3850271.93	2.37E-02	7.48E-06	2.18E-06	2.42E-02	7.64E-06	2.22E-06	2.42E-02	7.63E-06	2.22E-06
3020	479053.24, 3850293.52	3.59E-02	1.13E-05	3.29E-06	3.66E-02	1.16E-05	3.36E-06	3.66E-02	1.15E-05	3.36E-06
3021	479103.24, 3850293.52	3.34E-02	1.05E-05	3.07E-06	3.41E-02	1.08E-05	3.13E-06	3.41E-02	1.07E-05	3.13E-06
3022	479153.24, 3850293.52	3.14E-02	9.90E-06	2.88E-06	3.20E-02	1.01E-05	2.94E-06	3.20E-02	1.01E-05	2.93E-06
3023	479203.24, 3850293.52	2.95E-02	9.30E-06	2.71E-06	3.01E-02	9.49E-06	2.76E-06	3.00E-02	9.48E-06	2.76E-06
3024	479253.24, 3850293.52	2.79E-02	8.79E-06	2.56E-06	2.84E-02	8.97E-06	2.61E-06	2.84E-02	8.96E-06	2.61E-06
3025	479303.24, 3850293.52	2.65E-02	8.36E-06	2.43E-06	2.70E-02	8.53E-06	2.48E-06	2.70E-02	8.52E-06	2.48E-06
3026	479353.24, 3850293.52	2.53E-02	7.98E-06	2.32E-06	2.58E-02	8.14E-06	2.37E-06	2.58E-02	8.13E-06	2.36E-06
3027	479153.24, 3850343.52	3.60E-02	1.13E-05	3.30E-06	3.67E-02	1.16E-05	3.37E-06	3.66E-02	1.16E-05	3.36E-06
3028	479203.24, 3850343.52	3.35E-02	1.06E-05	3.07E-06	3.41E-02	1.08E-05	3.13E-06	3.41E-02	1.08E-05	3.13E-06
3029	479253.24, 3850343.52	3.14E-02	9.92E-06	2.89E-06	3.21E-02	1.01E-05	2.95E-06	3.20E-02	1.01E-05	2.94E-06
3030	479303.24, 3850343.52	2.97E-02	9.37E-06	2.73E-06	3.03E-02	9.57E-06	2.78E-06	3.03E-02	9.55E-06	2.78E-06
3031	479353.24, 3850343.52	2.81E-02	8.88E-06	2.58E-06	2.87E-02	9.06E-06	2.64E-06	2.87E-02	9.05E-06	2.63E-06
3032	479203.24, 3850393.52	3.90E-02	1.23E-05	3.58E-06	3.98E-02	1.26E-05	3.66E-06	3.98E-02	1.26E-05	3.65E-06
3033	479253.24, 3850393.52	3.62E-02	1.14E-05	3.33E-06	3.70E-02	1.17E-05	3.39E-06	3.69E-02	1.17E-05	3.39E-06
3034	479303.24, 3850393.52	3.39E-02	1.07E-05	3.11E-06	3.46E-02	1.09E-05	3.17E-06	3.45E-02	1.09E-05	3.17E-06

3035	479353.24, 3850393.52	3.18E-02	1.00E-05	2.92E-06	3.25E-02	1.02E-05	2.98E-06	3.24E-02	1.02E-05	2.98E-06
3036	479403.24, 3850393.52	3.00E-02	9.46E-06	2.75E-06	3.06E-02	9.65E-06	2.81E-06	3.05E-02	9.64E-06	2.80E-06
3037	479453.24, 3850393.52	2.83E-02	8.93E-06	2.60E-06	2.89E-02	9.11E-06	2.65E-06	2.88E-02	9.10E-06	2.65E-06
3038	479503.24, 3850393.52	2.67E-02	8.41E-06	2.45E-06	2.72E-02	8.59E-06	2.50E-06	2.72E-02	8.58E-06	2.49E-06
3039	479303.24, 3850443.52	3.97E-02	1.25E-05	3.65E-06	4.06E-02	1.28E-05	3.72E-06	4.05E-02	1.28E-05	3.72E-06
3040	479353.24, 3850443.52	3.69E-02	1.16E-05	3.38E-06	3.76E-02	1.19E-05	3.45E-06	3.76E-02	1.19E-05	3.45E-06
3041	479403.24, 3850443.52	3.43E-02	1.08E-05	3.15E-06	3.50E-02	1.11E-05	3.21E-06	3.50E-02	1.10E-05	3.21E-06
3042	479453.24, 3850443.52	3.20E-02	1.01E-05	2.94E-06	3.27E-02	1.03E-05	3.00E-06	3.27E-02	1.03E-05	3.00E-06
3043	479503.24, 3850443.52	2.99E-02	9.44E-06	2.75E-06	3.05E-02	9.64E-06	2.80E-06	3.05E-02	9.63E-06	2.80E-06
3044	480327.18, 3850987.04	4.77E-02	1.50E-05	4.38E-06	4.86E-02	1.54E-05	4.47E-06	4.86E-02	1.53E-05	4.46E-06
3045	480377.18, 3850987.04	4.34E-02	1.37E-05	3.98E-06	4.43E-02	1.40E-05	4.07E-06	4.42E-02	1.40E-05	4.06E-06
3046	480427.18, 3850987.04	3.98E-02	1.26E-05	3.66E-06	4.06E-02	1.28E-05	3.73E-06	4.06E-02	1.28E-05	3.73E-06
3047	480477.18, 3850987.04	3.67E-02	1.16E-05	3.37E-06	3.74E-02	1.18E-05	3.44E-06	3.74E-02	1.18E-05	3.43E-06
3048	480327.18, 3851037.04	6.14E-02	1.94E-05	5.64E-06	6.27E-02	1.98E-05	5.75E-06	6.26E-02	1.98E-05	5.75E-06
3049	480377.18, 3851037.04	5.43E-02	1.71E-05	4.99E-06	5.54E-02	1.75E-05	5.09E-06	5.54E-02	1.75E-05	5.08E-06
3050	480427.18, 3851037.04	4.86E-02	1.53E-05	4.46E-06	4.96E-02	1.57E-05	4.55E-06	4.95E-02	1.56E-05	4.55E-06
3051	480477.18, 3851037.04	4.39E-02	1.39E-05	4.03E-06	4.48E-02	1.41E-05	4.11E-06	4.47E-02	1.41E-05	4.11E-06
3052	480622.06, 3851087.39	4.06E-02	1.28E-05	3.73E-06	4.15E-02	1.31E-05	3.81E-06	4.14E-02	1.31E-05	3.80E-06
3053	480672.06, 3851087.39	3.74E-02	1.18E-05	3.43E-06	3.81E-02	1.20E-05	3.50E-06	3.81E-02	1.20E-05	3.50E-06
3054	480622.06, 3851137.39	5.01E-02	1.58E-05	4.59E-06	5.11E-02	1.61E-05	4.69E-06	5.10E-02	1.61E-05	4.68E-06
3055	480672.06, 3851137.39	4.50E-02	1.42E-05	4.13E-06	4.59E-02	1.45E-05	4.21E-06	4.58E-02	1.45E-05	4.21E-06
3056	480722.06, 3851137.39	4.10E-02	1.29E-05	3.76E-06	4.18E-02	1.32E-05	3.84E-06	4.18E-02	1.32E-05	3.83E-06
3057	480622.06, 3851187.39	6.61E-02	2.09E-05	6.07E-06	6.74E-02	2.13E-05	6.19E-06	6.74E-02	2.13E-05	6.18E-06
3058	480672.06, 3851187.39	5.71E-02	1.80E-05	5.25E-06	5.83E-02	1.84E-05	5.35E-06	5.82E-02	1.84E-05	5.35E-06
3059	480722.06, 3851187.39	5.05E-02	1.59E-05	4.64E-06	5.16E-02	1.63E-05	4.73E-06	5.15E-02	1.63E-05	4.73E-06
3060	471363.09, 3845877.25	2.60E-04	8.20E-08	2.39E-08	2.65E-04	8.37E-08	2.43E-08	2.65E-04	8.36E-08	2.43E-08
3061	471863.09, 3845877.25	2.52E-04	7.94E-08	2.31E-08	2.57E-04	8.10E-08	2.36E-08	2.56E-04	8.09E-08	2.35E-08
3062	472363.09, 3845877.25	3.26E-04	1.03E-07	2.99E-08	3.33E-04	1.05E-07	3.05E-08	3.32E-04	1.05E-07	3.05E-08
3063	472863.09, 3845877.25	2.45E-04	7.75E-08	2.25E-08	2.50E-04	7.91E-08	2.30E-08	2.50E-04	7.90E-08	2.30E-08
3064	473363.09, 3845877.25	2.58E-04	8.14E-08	2.37E-08	2.63E-04	8.30E-08	2.42E-08	2.63E-04	8.29E-08	2.41E-08
3065	473863.09, 3845877.25	2.70E-04	8.52E-08	2.48E-08	2.75E-04	8.69E-08	2.53E-08	2.75E-04	8.68E-08	2.53E-08
3066	474363.09, 3845877.25	3.14E-04	9.91E-08	2.88E-08	3.21E-04	1.01E-07	2.94E-08	3.20E-04	1.01E-07	2.94E-08
3067	474863.09, 3845877.25	3.66E-04	1.15E-07	3.36E-08	3.73E-04	1.18E-07	3.43E-08	3.73E-04	1.18E-07	3.42E-08
3068	475363.09, 3845877.25	4.23E-04	1.33E-07	3.88E-08	4.31E-04	1.36E-07	3.96E-08	4.31E-04	1.36E-07	3.96E-08
3069	475863.09, 3845877.25	4.36E-04	1.38E-07	4.00E-08	4.45E-04	1.40E-07	4.08E-08	4.44E-04	1.40E-07	4.08E-08
3070	476363.09, 3845877.25	4.08E-04	1.29E-07	3.75E-08	4.16E-04	1.31E-07	3.82E-08	4.16E-04	1.31E-07	3.82E-08
3071	476863.09, 3845877.25	3.81E-04	1.20E-07	3.50E-08	3.88E-04	1.23E-07	3.57E-08	3.88E-04	1.22E-07	3.56E-08
3072	477363.09, 3845877.25	3.80E-04	1.20E-07	3.49E-08	3.88E-04	1.22E-07	3.56E-08	3.87E-04	1.22E-07	3.55E-08
3073	477863.09, 3845877.25	3.60E-04	1.14E-07	3.31E-08	3.68E-04	1.16E-07	3.38E-08	3.67E-04	1.16E-07	3.37E-08
3074	478363.09, 3845877.25	3.69E-04	1.16E-07	3.38E-08	3.76E-04	1.19E-07	3.45E-08	3.76E-04	1.19E-07	3.45E-08
3075	478863.09, 3845877.25	3.75E-04	1.18E-07	3.45E-08	3.83E-04	1.21E-07	3.52E-08	3.83E-04	1.21E-07	3.51E-08
3076	479363.09, 3845877.25	4.00E-04	1.26E-07	3.67E-08	4.08E-04	1.29E-07	3.75E-08	4.08E-04	1.29E-07	3.74E-08
3077	479863.09, 3845877.25	4.03E-04	1.27E-07	3.70E-08	4.11E-04	1.30E-07	3.77E-08	4.10E-04	1.29E-07	3.77E-08
3078	480363.09, 3845877.25	3.74E-04	1.18E-07	3.43E-08	3.81E-04	1.20E-07	3.50E-08	3.81E-04	1.20E-07	3.50E-08
3079	480863.09, 3845877.25	3.67E-04	1.16E-07	3.37E-08	3.75E-04	1.18E-07	3.44E-08	3.74E-04	1.18E-07	3.44E-08
3080	481363.09, 3845877.25	3.64E-04	1.15E-07	3.34E-08	3.71E-04	1.17E-07	3.41E-08	3.71E-04	1.17E-07	3.40E-08
3081	481863.09, 3845877.25	3.49E-04	1.10E-07	3.20E-08	3.56E-04	1.12E-07	3.27E-08	3.56E-04	1.12E-07	3.26E-08
3082	482363.09, 3845877.25	3.28E-04	1.04E-07	3.01E-08	3.35E-04	1.06E-07	3.08E-08	3.35E-04	1.06E-07	3.07E-08
3083	482863.09, 3845877.25	2.65E-04	8.37E-08	2.43E-08	2.71E-04	8.54E-08	2.48E-08	2.70E-04	8.53E-08	2.48E-08
3084	483363.09, 3845877.25	2.40E-04	7.57E-08	2.20E-08	2.45E-04	7.72E-08	2.25E-08	2.44E-04	7.72E-08	2.24E-08
3085	483863.09, 3845877.25	3.04E-04	9.61E-08	2.79E-08	3.11E-04	9.80E-08	2.85E-08	3.10E-04	9.79E-08	2.85E-08
3086	484363.09, 3845877.25	3.10E-04	9.78E-08	2.85E-08	3.16E-04	9.98E-08	2.90E-08	3.16E-04	9.97E-08	2.90E-08
3087	484863.09, 3845877.25	3.04E-04	9.60E-08	2.79E-08	3.10E-04	9.79E-08	2.85E-08	3.10E-04	9.78E-08	2.85E-08
3088	485363.09, 3845877.25	2.91E-04	9.19E-08	2.67E-08	2.97E-04	9.38E-08	2.73E-08	2.97E-04	9.37E-08	2.72E-08
3089	485863.09, 3845877.25	3.01E-04	9.49E-08	2.76E-08	3.07E-04	9.68E-08	2.82E-08	3.06E-04	9.67E-08	2.81E-08
3090	486363.09, 3845877.25	2.97E-04	9.38E-08	2.73E-08	3.03E-04	9.58E-08	2.79E-08	3.03E-04	9.56E-08	2.78E-08
3091	486863.09, 3845877.25	2.78E-04	8.76E-08	2.55E-08	2.83E-04	8.94E-08	2.60E-08	2.83E-04	8.93E-08	2.60E-08
3092	487363.09, 3845877.25	2.74E-04	8.66E-08	2.52E-08	2.80E-04	8.84E-08	2.57E-08	2.80E-04	8.82E-08	2.57E-08
3093	487863.09, 3845877.25	2.56E-04	8.09E-08	2.35E-08	2.62E-04	8.26E-08	2.40E-08	2.61E-04	8.25E-08	2.40E-08
3094	488363.09, 3845877.25	2.49E-04	7.86E-08	2.29E-08	2.54E-04	8.02E-08	2.33E-08	2.54E-04	8.01E-08	2.33E-08
3095	488863.09, 3845877.25	2.88E-04	9.08E-08	2.64E-08	2.93E-04	9.26E-08	2.69E-08	2.93E-04	9.25E-08	2.69E-08
3096	489363.09, 3845877.25	2.86E-04	9.03E-08	2.63E-08	2.92E-04	9.21E-08	2.68E-08	2.92E-04	9.20E-08	2.68E-08

3097	489863.09, 3845877.25	2.67E-04	8.42E-08	2.45E-08	2.72E-04	8.59E-08	2.50E-08	2.72E-04	8.58E-08	2.50E-08
3098	490363.09, 3845877.25	2.40E-04	7.57E-08	2.20E-08	2.45E-04	7.72E-08	2.25E-08	2.44E-04	7.72E-08	2.24E-08
3099	490863.09, 3845877.25	1.93E-04	6.08E-08	1.77E-08	1.97E-04	6.21E-08	1.81E-08	1.96E-04	6.20E-08	1.80E-08
3100	491363.09, 3845877.25	2.17E-04	6.84E-08	1.99E-08	2.21E-04	6.98E-08	2.03E-08	2.21E-04	6.98E-08	2.03E-08
3101	491863.09, 3845877.25	2.31E-04	7.29E-08	2.12E-08	2.36E-04	7.44E-08	2.16E-08	2.35E-04	7.43E-08	2.16E-08
3102	492363.09, 3845877.25	1.96E-04	6.19E-08	1.80E-08	2.00E-04	6.32E-08	1.84E-08	2.00E-04	6.31E-08	1.84E-08
3103	492863.09, 3845877.25	2.39E-04	7.53E-08	2.19E-08	2.44E-04	7.69E-08	2.24E-08	2.43E-04	7.68E-08	2.23E-08
3104	493363.09, 3845877.25	2.53E-04	7.97E-08	2.32E-08	2.58E-04	8.13E-08	2.37E-08	2.57E-04	8.12E-08	2.36E-08
3105	493863.09, 3845877.25	2.66E-04	8.39E-08	2.44E-08	2.71E-04	8.56E-08	2.49E-08	2.71E-04	8.55E-08	2.49E-08
3106	494363.09, 3845877.25	2.74E-04	8.64E-08	2.51E-08	2.79E-04	8.82E-08	2.56E-08	2.79E-04	8.81E-08	2.56E-08
3107	494863.09, 3845877.25	2.76E-04	8.71E-08	2.53E-08	2.82E-04	8.89E-08	2.59E-08	2.81E-04	8.88E-08	2.58E-08
3108	495363.09, 3845877.25	2.84E-04	8.96E-08	2.61E-08	2.90E-04	9.14E-08	2.66E-08	2.89E-04	9.13E-08	2.66E-08
3109	495863.09, 3845877.25	2.92E-04	9.21E-08	2.68E-08	2.98E-04	9.40E-08	2.73E-08	2.97E-04	9.38E-08	2.73E-08
3110	496363.09, 3845877.25	2.99E-04	9.43E-08	2.74E-08	3.05E-04	9.62E-08	2.80E-08	3.05E-04	9.61E-08	2.80E-08
3111	496863.09, 3845877.25	2.98E-04	9.42E-08	2.74E-08	3.05E-04	9.61E-08	2.80E-08	3.04E-04	9.60E-08	2.79E-08
3112	497363.09, 3845877.25	2.98E-04	9.41E-08	2.74E-08	3.04E-04	9.60E-08	2.79E-08	3.04E-04	9.59E-08	2.79E-08
3113	497863.09, 3845877.25	2.99E-04	9.45E-08	2.75E-08	3.05E-04	9.64E-08	2.80E-08	3.05E-04	9.63E-08	2.80E-08
3114	498363.09, 3845877.25	2.97E-04	9.38E-08	2.73E-08	3.03E-04	9.58E-08	2.79E-08	3.03E-04	9.56E-08	2.78E-08
3115	471363.09, 3846377.25	6.55E-04	2.07E-07	6.01E-08	6.68E-04	2.11E-07	6.13E-08	6.67E-04	2.11E-07	6.13E-08
3116	471863.09, 3846377.25	5.87E-04	1.85E-07	5.39E-08	5.99E-04	1.89E-07	5.50E-08	5.98E-04	1.89E-07	5.49E-08
3117	472363.09, 3846377.25	3.08E-04	9.73E-08	2.83E-08	3.15E-04	9.93E-08	2.89E-08	3.14E-04	9.91E-08	2.88E-08
3118	472863.09, 3846377.25	3.46E-04	1.09E-07	3.18E-08	3.53E-04	1.11E-07	3.24E-08	3.53E-04	1.11E-07	3.24E-08
3119	473363.09, 3846377.25	3.46E-04	1.09E-07	3.18E-08	3.53E-04	1.12E-07	3.24E-08	3.53E-04	1.11E-07	3.24E-08
3120	473863.09, 3846377.25	3.98E-04	1.26E-07	3.65E-08	4.06E-04	1.28E-07	3.73E-08	4.06E-04	1.28E-07	3.72E-08
3121	474363.09, 3846377.25	4.19E-04	1.32E-07	3.85E-08	4.28E-04	1.35E-07	3.93E-08	4.27E-04	1.35E-07	3.92E-08
3122	474863.09, 3846377.25	4.77E-04	1.51E-07	4.38E-08	4.87E-04	1.54E-07	4.47E-08	4.86E-04	1.53E-07	4.46E-08
3123	475363.09, 3846377.25	5.45E-04	1.72E-07	5.00E-08	5.56E-04	1.75E-07	5.10E-08	5.55E-04	1.75E-07	5.10E-08
3124	475863.09, 3846377.25	6.29E-04	1.98E-07	5.77E-08	6.42E-04	2.03E-07	5.89E-08	6.41E-04	2.02E-07	5.88E-08
3125	476363.09, 3846377.25	6.18E-04	1.95E-07	5.68E-08	6.31E-04	1.99E-07	5.79E-08	6.30E-04	1.99E-07	5.79E-08
3126	476863.09, 3846377.25	6.12E-04	1.93E-07	5.62E-08	6.24E-04	1.97E-07	5.73E-08	6.23E-04	1.97E-07	5.72E-08
3127	477363.09, 3846377.25	6.15E-04	1.94E-07	5.65E-08	6.28E-04	1.98E-07	5.76E-08	6.27E-04	1.98E-07	5.75E-08
3128	477863.09, 3846377.25	5.95E-04	1.88E-07	5.46E-08	6.07E-04	1.92E-07	5.57E-08	6.06E-04	1.91E-07	5.56E-08
3129	478363.09, 3846377.25	5.87E-04	1.85E-07	5.39E-08	5.99E-04	1.89E-07	5.50E-08	5.99E-04	1.89E-07	5.49E-08
3130	478863.09, 3846377.25	6.14E-04	1.94E-07	5.64E-08	6.27E-04	1.98E-07	5.75E-08	6.26E-04	1.98E-07	5.75E-08
3131	479363.09, 3846377.25	6.21E-04	1.96E-07	5.70E-08	6.33E-04	2.00E-07	5.81E-08	6.32E-04	2.00E-07	5.81E-08
3132	479863.09, 3846377.25	6.04E-04	1.91E-07	5.54E-08	6.16E-04	1.94E-07	5.66E-08	6.15E-04	1.94E-07	5.65E-08
3133	480363.09, 3846377.25	6.12E-04	1.93E-07	5.62E-08	6.24E-04	1.97E-07	5.73E-08	6.23E-04	1.97E-07	5.72E-08
3134	480863.09, 3846377.25	5.51E-04	1.74E-07	5.06E-08	5.62E-04	1.77E-07	5.16E-08	5.61E-04	1.77E-07	5.15E-08
3135	481363.09, 3846377.25	5.45E-04	1.72E-07	5.00E-08	5.56E-04	1.76E-07	5.11E-08	5.56E-04	1.75E-07	5.10E-08
3136	481863.09, 3846377.25	5.14E-04	1.62E-07	4.72E-08	5.24E-04	1.66E-07	4.81E-08	5.24E-04	1.65E-07	4.81E-08
3137	482363.09, 3846377.25	4.69E-04	1.48E-07	4.30E-08	4.78E-04	1.51E-07	4.39E-08	4.78E-04	1.51E-07	4.38E-08
3138	482863.09, 3846377.25	4.00E-04	1.26E-07	3.67E-08	4.08E-04	1.29E-07	3.75E-08	4.08E-04	1.29E-07	3.74E-08
3139	483363.09, 3846377.25	4.25E-04	1.34E-07	3.90E-08	4.34E-04	1.37E-07	3.98E-08	4.33E-04	1.37E-07	3.98E-08
3140	483863.09, 3846377.25	4.22E-04	1.33E-07	3.87E-08	4.31E-04	1.36E-07	3.95E-08	4.30E-04	1.36E-07	3.95E-08
3141	484363.09, 3846377.25	3.87E-04	1.22E-07	3.55E-08	3.94E-04	1.25E-07	3.62E-08	3.94E-04	1.24E-07	3.62E-08
3142	484863.09, 3846377.25	4.28E-04	1.35E-07	3.93E-08	4.37E-04	1.38E-07	4.01E-08	4.36E-04	1.38E-07	4.01E-08
3143	485363.09, 3846377.25	4.28E-04	1.35E-07	3.93E-08	4.37E-04	1.38E-07	4.01E-08	4.37E-04	1.38E-07	4.01E-08
3144	485863.09, 3846377.25	3.99E-04	1.26E-07	3.67E-08	4.07E-04	1.29E-07	3.74E-08	4.07E-04	1.28E-07	3.74E-08
3145	486363.09, 3846377.25	3.37E-04	1.06E-07	3.09E-08	3.43E-04	1.08E-07	3.15E-08	3.43E-04	1.08E-07	3.15E-08
3146	486863.09, 3846377.25	3.20E-04	1.01E-07	2.94E-08	3.27E-04	1.03E-07	3.00E-08	3.26E-04	1.03E-07	2.99E-08
3147	487363.09, 3846377.25	3.31E-04	1.04E-07	3.04E-08	3.38E-04	1.07E-07	3.10E-08	3.37E-04	1.06E-07	3.10E-08
3148	487863.09, 3846377.25	3.69E-04	1.17E-07	3.39E-08	3.77E-04	1.19E-07	3.46E-08	3.76E-04	1.19E-07	3.45E-08
3149	488363.09, 3846377.25	3.60E-04	1.14E-07	3.31E-08	3.68E-04	1.16E-07	3.38E-08	3.67E-04	1.16E-07	3.37E-08
3150	488863.09, 3846377.25	3.56E-04	1.12E-07	3.27E-08	3.63E-04	1.15E-07	3.33E-08	3.63E-04	1.15E-07	3.33E-08
3151	489363.09, 3846377.25	3.49E-04	1.10E-07	3.21E-08	3.56E-04	1.12E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
3152	489863.09, 3846377.25	3.26E-04	1.03E-07	2.99E-08	3.33E-04	1.05E-07	3.05E-08	3.32E-04	1.05E-07	3.05E-08
3153	490363.09, 3846377.25	2.64E-04	8.33E-08	2.42E-08	2.69E-04	8.50E-08	2.47E-08	2.69E-04	8.49E-08	2.47E-08
3154	490863.09, 3846377.25	2.40E-04	7.58E-08	2.20E-08	2.45E-04	7.73E-08	2.25E-08	2.45E-04	7.73E-08	2.25E-08
3155	491363.09, 3846377.25	2.35E-04	7.40E-08	2.15E-08	2.39E-04	7.55E-08	2.20E-08	2.39E-04	7.55E-08	2.19E-08
3156	491863.09, 3846377.25	2.73E-04	8.60E-08	2.50E-08	2.78E-04	8.78E-08	2.55E-08	2.78E-04	8.77E-08	2.55E-08
3157	492363.09, 3846377.25	2.61E-04	8.23E-08	2.39E-08	2.66E-04	8.40E-08	2.44E-08	2.66E-04	8.39E-08	2.44E-08
3158	492863.09, 3846377.25	2.63E-04	8.30E-08	2.41E-08	2.68E-04	8.47E-08	2.46E-08	2.68E-04	8.46E-08	2.46E-08

3159	493363.09, 3846377.25	2.90E-04	9.14E-08	2.66E-08	2.96E-04	9.33E-08	2.71E-08	2.95E-04	9.32E-08	2.71E-08
3160	493863.09, 3846377.25	3.01E-04	9.50E-08	2.76E-08	3.07E-04	9.69E-08	2.82E-08	3.07E-04	9.68E-08	2.82E-08
3161	494363.09, 3846377.25	3.09E-04	9.75E-08	2.83E-08	3.15E-04	9.95E-08	2.89E-08	3.15E-04	9.93E-08	2.89E-08
3162	494863.09, 3846377.25	3.14E-04	9.90E-08	2.88E-08	3.20E-04	1.01E-07	2.94E-08	3.20E-04	1.01E-07	2.94E-08
3163	495363.09, 3846377.25	3.17E-04	1.00E-07	2.91E-08	3.24E-04	1.02E-07	2.97E-08	3.23E-04	1.02E-07	2.97E-08
3164	495863.09, 3846377.25	3.25E-04	1.03E-07	2.99E-08	3.32E-04	1.05E-07	3.05E-08	3.32E-04	1.05E-07	3.04E-08
3165	496363.09, 3846377.25	3.32E-04	1.05E-07	3.05E-08	3.39E-04	1.07E-07	3.11E-08	3.38E-04	1.07E-07	3.10E-08
3166	496863.09, 3846377.25	3.35E-04	1.06E-07	3.08E-08	3.42E-04	1.08E-07	3.14E-08	3.41E-04	1.08E-07	3.13E-08
3167	497363.09, 3846377.25	3.36E-04	1.06E-07	3.08E-08	3.43E-04	1.08E-07	3.15E-08	3.42E-04	1.08E-07	3.14E-08
3168	497863.09, 3846377.25	3.33E-04	1.05E-07	3.06E-08	3.40E-04	1.07E-07	3.12E-08	3.39E-04	1.07E-07	3.12E-08
3169	498363.09, 3846377.25	3.27E-04	1.03E-07	3.01E-08	3.34E-04	1.05E-07	3.07E-08	3.34E-04	1.05E-07	3.06E-08
3170	471363.09, 3846877.25	7.12E-04	2.25E-07	6.54E-08	7.26E-04	2.29E-07	6.67E-08	7.26E-04	2.29E-07	6.66E-08
3171	471863.09, 3846877.25	8.41E-04	2.65E-07	7.72E-08	8.58E-04	2.71E-07	7.88E-08	8.57E-04	2.71E-07	7.87E-08
3172	472363.09, 3846877.25	9.14E-04	2.88E-07	8.39E-08	9.33E-04	2.94E-07	8.56E-08	9.32E-04	2.94E-07	8.55E-08
3173	472863.09, 3846877.25	4.05E-04	1.28E-07	3.72E-08	4.14E-04	1.31E-07	3.80E-08	4.13E-04	1.30E-07	3.79E-08
3174	473363.09, 3846877.25	5.11E-04	1.61E-07	4.69E-08	5.21E-04	1.65E-07	4.79E-08	5.21E-04	1.64E-07	4.78E-08
3175	473863.09, 3846877.25	6.15E-04	1.94E-07	5.64E-08	6.27E-04	1.98E-07	5.76E-08	6.26E-04	1.98E-07	5.75E-08
3176	474363.09, 3846877.25	6.07E-04	1.92E-07	5.57E-08	6.19E-04	1.95E-07	5.69E-08	6.19E-04	1.95E-07	5.68E-08
3177	474863.09, 3846877.25	6.35E-04	2.00E-07	5.83E-08	6.48E-04	2.05E-07	5.95E-08	6.47E-04	2.04E-07	5.94E-08
3178	475363.09, 3846877.25	6.76E-04	2.13E-07	6.21E-08	6.90E-04	2.18E-07	6.34E-08	6.89E-04	2.18E-07	6.33E-08
3179	475863.09, 3846877.25	9.27E-04	2.93E-07	8.51E-08	9.46E-04	2.99E-07	8.68E-08	9.45E-04	2.98E-07	8.67E-08
3180	476363.09, 3846877.25	1.08E-03	3.39E-07	9.87E-08	1.10E-03	3.46E-07	1.01E-07	1.10E-03	3.46E-07	1.01E-07
3181	476863.09, 3846877.25	1.08E-03	3.41E-07	9.91E-08	1.10E-03	3.48E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
3182	477363.09, 3846877.25	1.08E-03	3.42E-07	9.94E-08	1.10E-03	3.49E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
3183	477863.09, 3846877.25	1.04E-03	3.28E-07	9.53E-08	1.06E-03	3.34E-07	9.72E-08	1.06E-03	3.34E-07	9.71E-08
3184	478363.09, 3846877.25	1.02E-03	3.21E-07	9.34E-08	1.04E-03	3.28E-07	9.53E-08	1.04E-03	3.27E-07	9.52E-08
3185	478863.09, 3846877.25	1.03E-03	3.24E-07	9.43E-08	1.05E-03	3.31E-07	9.63E-08	1.05E-03	3.31E-07	9.61E-08
3186	479363.09, 3846877.25	9.87E-04	3.12E-07	9.06E-08	1.01E-03	3.18E-07	9.25E-08	1.01E-03	3.18E-07	9.24E-08
3187	479863.09, 3846877.25	8.30E-04	2.62E-07	7.62E-08	8.47E-04	2.67E-07	7.78E-08	8.46E-04	2.67E-07	7.77E-08
3188	480363.09, 3846877.25	7.39E-04	2.33E-07	6.79E-08	7.54E-04	2.38E-07	6.93E-08	7.54E-04	2.38E-07	6.92E-08
3189	480863.09, 3846877.25	7.01E-04	2.21E-07	6.44E-08	7.16E-04	2.26E-07	6.57E-08	7.15E-04	2.26E-07	6.56E-08
3190	481363.09, 3846877.25	7.30E-04	2.30E-07	6.70E-08	7.45E-04	2.35E-07	6.84E-08	7.44E-04	2.35E-07	6.83E-08
3191	481863.09, 3846877.25	7.13E-04	2.25E-07	6.54E-08	7.27E-04	2.30E-07	6.68E-08	7.26E-04	2.29E-07	6.67E-08
3192	482363.09, 3846877.25	6.25E-04	1.97E-07	5.74E-08	6.38E-04	2.01E-07	5.86E-08	6.37E-04	2.01E-07	5.85E-08
3193	482863.09, 3846877.25	6.09E-04	1.92E-07	5.59E-08	6.21E-04	1.96E-07	5.70E-08	6.20E-04	1.96E-07	5.70E-08
3194	483363.09, 3846877.25	5.91E-04	1.86E-07	5.42E-08	6.03E-04	1.90E-07	5.53E-08	6.02E-04	1.90E-07	5.53E-08
3195	483863.09, 3846877.25	5.77E-04	1.82E-07	5.30E-08	5.89E-04	1.86E-07	5.41E-08	5.88E-04	1.86E-07	5.40E-08
3196	484363.09, 3846877.25	5.77E-04	1.82E-07	5.30E-08	5.89E-04	1.86E-07	5.41E-08	5.88E-04	1.86E-07	5.40E-08
3197	484863.09, 3846877.25	5.58E-04	1.76E-07	5.12E-08	5.69E-04	1.80E-07	5.23E-08	5.69E-04	1.80E-07	5.22E-08
3198	485363.09, 3846877.25	5.58E-04	1.76E-07	5.12E-08	5.69E-04	1.80E-07	5.23E-08	5.69E-04	1.79E-07	5.22E-08
3199	485863.09, 3846877.25	5.25E-04	1.66E-07	4.82E-08	5.36E-04	1.69E-07	4.92E-08	5.35E-04	1.69E-07	4.91E-08
3200	486363.09, 3846877.25	5.47E-04	1.73E-07	5.02E-08	5.58E-04	1.76E-07	5.12E-08	5.57E-04	1.76E-07	5.11E-08
3201	486863.09, 3846877.25	4.64E-04	1.46E-07	4.26E-08	4.74E-04	1.49E-07	4.35E-08	4.73E-04	1.49E-07	4.34E-08
3202	487363.09, 3846877.25	4.71E-04	1.49E-07	4.33E-08	4.81E-04	1.52E-07	4.41E-08	4.80E-04	1.52E-07	4.41E-08
3203	487863.09, 3846877.25	4.62E-04	1.46E-07	4.24E-08	4.72E-04	1.49E-07	4.33E-08	4.71E-04	1.49E-07	4.33E-08
3204	488363.09, 3846877.25	4.43E-04	1.40E-07	4.06E-08	4.52E-04	1.43E-07	4.15E-08	4.51E-04	1.42E-07	4.14E-08
3205	488863.09, 3846877.25	4.36E-04	1.38E-07	4.01E-08	4.45E-04	1.41E-07	4.09E-08	4.45E-04	1.40E-07	4.08E-08
3206	489363.09, 3846877.25	4.29E-04	1.35E-07	3.94E-08	4.37E-04	1.38E-07	4.02E-08	4.37E-04	1.38E-07	4.01E-08
3207	489863.09, 3846877.25	4.02E-04	1.27E-07	3.69E-08	4.10E-04	1.30E-07	3.77E-08	4.10E-04	1.29E-07	3.76E-08
3208	490363.09, 3846877.25	3.37E-04	1.06E-07	3.09E-08	3.43E-04	1.08E-07	3.15E-08	3.43E-04	1.08E-07	3.15E-08
3209	490863.09, 3846877.25	3.17E-04	1.00E-07	2.91E-08	3.24E-04	1.02E-07	2.97E-08	3.23E-04	1.02E-07	2.97E-08
3210	491363.09, 3846877.25	3.12E-04	9.84E-08	2.86E-08	3.18E-04	1.00E-07	2.92E-08	3.18E-04	1.00E-07	2.92E-08
3211	491863.09, 3846877.25	2.88E-04	9.10E-08	2.65E-08	2.94E-04	9.29E-08	2.70E-08	2.94E-04	9.28E-08	2.70E-08
3212	492363.09, 3846877.25	3.31E-04	1.04E-07	3.04E-08	3.38E-04	1.07E-07	3.10E-08	3.37E-04	1.06E-07	3.10E-08
3213	492863.09, 3846877.25	3.31E-04	1.04E-07	3.04E-08	3.37E-04	1.06E-07	3.10E-08	3.37E-04	1.06E-07	3.09E-08
3214	493363.09, 3846877.25	3.42E-04	1.08E-07	3.14E-08	3.48E-04	1.10E-07	3.20E-08	3.48E-04	1.10E-07	3.20E-08
3215	493863.09, 3846877.25	3.46E-04	1.09E-07	3.17E-08	3.53E-04	1.11E-07	3.24E-08	3.52E-04	1.11E-07	3.23E-08
3216	494363.09, 3846877.25	3.43E-04	1.08E-07	3.15E-08	3.50E-04	1.11E-07	3.22E-08	3.50E-04	1.10E-07	3.21E-08
3217	494863.09, 3846877.25	3.44E-04	1.09E-07	3.16E-08	3.51E-04	1.11E-07	3.23E-08	3.51E-04	1.11E-07	3.22E-08
3218	495363.09, 3846877.25	3.44E-04	1.09E-07	3.16E-08	3.51E-04	1.11E-07	3.22E-08	3.51E-04	1.11E-07	3.22E-08
3219	495863.09, 3846877.25	3.44E-04	1.09E-07	3.16E-08	3.51E-04	1.11E-07	3.22E-08	3.50E-04	1.11E-07	3.22E-08
3220	496363.09, 3846877.25	3.45E-04	1.09E-07	3.17E-08	3.52E-04	1.11E-07	3.24E-08	3.52E-04	1.11E-07	3.23E-08

3221	496863.09, 3846877.25	3.52E-04	1.11E-07	3.23E-08	3.59E-04	1.13E-07	3.30E-08	3.59E-04	1.13E-07	3.29E-08
3222	497363.09, 3846877.25	3.63E-04	1.15E-07	3.33E-08	3.70E-04	1.17E-07	3.40E-08	3.70E-04	1.17E-07	3.40E-08
3223	497863.09, 3846877.25	3.69E-04	1.16E-07	3.38E-08	3.76E-04	1.19E-07	3.45E-08	3.76E-04	1.19E-07	3.45E-08
3224	498363.09, 3846877.25	3.58E-04	1.13E-07	3.29E-08	3.66E-04	1.15E-07	3.36E-08	3.65E-04	1.15E-07	3.35E-08
3225	471363.09, 3847377.25	8.48E-04	2.68E-07	7.79E-08	8.65E-04	2.73E-07	7.94E-08	8.64E-04	2.73E-07	7.93E-08
3226	471863.09, 3847377.25	9.72E-04	3.07E-07	8.92E-08	9.92E-04	3.13E-07	9.10E-08	9.90E-04	3.13E-07	9.09E-08
3227	472363.09, 3847377.25	1.17E-03	3.69E-07	1.07E-07	1.19E-03	3.76E-07	1.09E-07	1.19E-03	3.76E-07	1.09E-07
3228	472863.09, 3847377.25	1.47E-03	4.65E-07	1.35E-07	1.50E-03	4.75E-07	1.38E-07	1.50E-03	4.74E-07	1.38E-07
3229	473363.09, 3847377.25	1.01E-03	3.20E-07	9.29E-08	1.03E-03	3.26E-07	9.48E-08	1.03E-03	3.26E-07	9.47E-08
3230	473863.09, 3847377.25	1.03E-03	3.24E-07	9.42E-08	1.05E-03	3.31E-07	9.61E-08	1.05E-03	3.30E-07	9.60E-08
3231	474363.09, 3847377.25	1.18E-03	3.73E-07	1.09E-07	1.21E-03	3.81E-07	1.11E-07	1.20E-03	3.80E-07	1.11E-07
3232	474863.09, 3847377.25	1.26E-03	3.99E-07	1.16E-07	1.29E-03	4.07E-07	1.18E-07	1.29E-03	4.07E-07	1.18E-07
3233	475363.09, 3847377.25	1.40E-03	4.43E-07	1.29E-07	1.43E-03	4.52E-07	1.31E-07	1.43E-03	4.51E-07	1.31E-07
3234	475863.09, 3847377.25	1.88E-03	5.95E-07	1.73E-07	1.92E-03	6.07E-07	1.76E-07	1.92E-03	6.06E-07	1.76E-07
3235	476363.09, 3847377.25	2.25E-03	7.09E-07	2.06E-07	2.29E-03	7.24E-07	2.10E-07	2.29E-03	7.23E-07	2.10E-07
3236	476863.09, 3847377.25	2.10E-03	6.63E-07	1.93E-07	2.14E-03	6.76E-07	1.97E-07	2.14E-03	6.76E-07	1.97E-07
3237	477363.09, 3847377.25	2.01E-03	6.35E-07	1.85E-07	2.05E-03	6.48E-07	1.88E-07	2.05E-03	6.47E-07	1.88E-07
3238	477863.09, 3847377.25	1.84E-03	5.82E-07	1.69E-07	1.88E-03	5.94E-07	1.73E-07	1.88E-03	5.93E-07	1.73E-07
3239	478363.09, 3847377.25	1.75E-03	5.51E-07	1.60E-07	1.78E-03	5.63E-07	1.64E-07	1.78E-03	5.62E-07	1.63E-07
3240	478863.09, 3847377.25	1.69E-03	5.32E-07	1.55E-07	1.72E-03	5.43E-07	1.58E-07	1.72E-03	5.43E-07	1.58E-07
3241	479363.09, 3847377.25	1.40E-03	4.43E-07	1.29E-07	1.43E-03	4.52E-07	1.31E-07	1.43E-03	4.51E-07	1.31E-07
3242	479863.09, 3847377.25	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
3243	480363.09, 3847377.25	8.19E-04	2.59E-07	7.52E-08	8.36E-04	2.64E-07	7.68E-08	8.35E-04	2.64E-07	7.67E-08
3244	480863.09, 3847377.25	7.37E-04	2.33E-07	6.77E-08	7.52E-04	2.37E-07	6.90E-08	7.51E-04	2.37E-07	6.90E-08
3245	481363.09, 3847377.25	8.05E-04	2.54E-07	7.39E-08	8.22E-04	2.59E-07	7.54E-08	8.21E-04	2.59E-07	7.54E-08
3246	481863.09, 3847377.25	9.65E-04	3.05E-07	8.86E-08	9.85E-04	3.11E-07	9.04E-08	9.84E-04	3.11E-07	9.03E-08
3247	482363.09, 3847377.25	9.24E-04	2.92E-07	8.48E-08	9.43E-04	2.98E-07	8.65E-08	9.42E-04	2.97E-07	8.64E-08
3248	482863.09, 3847377.25	8.57E-04	2.71E-07	7.87E-08	8.75E-04	2.76E-07	8.03E-08	8.74E-04	2.76E-07	8.02E-08
3249	483363.09, 3847377.25	7.95E-04	2.51E-07	7.30E-08	8.11E-04	2.56E-07	7.45E-08	8.10E-04	2.56E-07	7.44E-08
3250	483863.09, 3847377.25	7.73E-04	2.44E-07	7.10E-08	7.89E-04	2.49E-07	7.24E-08	7.88E-04	2.49E-07	7.23E-08
3251	484363.09, 3847377.25	7.95E-04	2.51E-07	7.30E-08	8.12E-04	2.56E-07	7.45E-08	8.11E-04	2.56E-07	7.44E-08
3252	484863.09, 3847377.25	7.56E-04	2.38E-07	6.94E-08	7.71E-04	2.43E-07	7.08E-08	7.70E-04	2.43E-07	7.07E-08
3253	485363.09, 3847377.25	7.35E-04	2.32E-07	6.75E-08	7.50E-04	2.37E-07	6.88E-08	7.49E-04	2.36E-07	6.88E-08
3254	485863.09, 3847377.25	7.31E-04	2.31E-07	6.71E-08	7.46E-04	2.36E-07	6.85E-08	7.45E-04	2.35E-07	6.84E-08
3255	486363.09, 3847377.25	7.24E-04	2.29E-07	6.65E-08	7.39E-04	2.33E-07	6.78E-08	7.38E-04	2.33E-07	6.77E-08
3256	486863.09, 3847377.25	6.42E-04	2.03E-07	5.89E-08	6.55E-04	2.07E-07	6.01E-08	6.54E-04	2.06E-07	6.00E-08
3257	487363.09, 3847377.25	6.38E-04	2.01E-07	5.86E-08	6.51E-04	2.05E-07	5.98E-08	6.50E-04	2.05E-07	5.97E-08
3258	487863.09, 3847377.25	5.80E-04	1.83E-07	5.33E-08	5.92E-04	1.87E-07	5.44E-08	5.92E-04	1.87E-07	5.43E-08
3259	488363.09, 3847377.25	5.55E-04	1.75E-07	5.10E-08	5.66E-04	1.79E-07	5.20E-08	5.66E-04	1.79E-07	5.19E-08
3260	488863.09, 3847377.25	5.40E-04	1.70E-07	4.95E-08	5.51E-04	1.74E-07	5.05E-08	5.50E-04	1.74E-07	5.05E-08
3261	489363.09, 3847377.25	5.25E-04	1.66E-07	4.82E-08	5.36E-04	1.69E-07	4.92E-08	5.35E-04	1.69E-07	4.92E-08
3262	489863.09, 3847377.25	4.77E-04	1.50E-07	4.38E-08	4.87E-04	1.54E-07	4.47E-08	4.86E-04	1.53E-07	4.46E-08
3263	490363.09, 3847377.25	4.32E-04	1.36E-07	3.97E-08	4.41E-04	1.39E-07	4.05E-08	4.40E-04	1.39E-07	4.04E-08
3264	490863.09, 3847377.25	4.17E-04	1.32E-07	3.83E-08	4.26E-04	1.34E-07	3.91E-08	4.25E-04	1.34E-07	3.90E-08
3265	491363.09, 3847377.25	3.97E-04	1.25E-07	3.64E-08	4.05E-04	1.28E-07	3.72E-08	4.05E-04	1.28E-07	3.71E-08
3266	491863.09, 3847377.25	4.14E-04	1.31E-07	3.80E-08	4.22E-04	1.33E-07	3.88E-08	4.22E-04	1.33E-07	3.87E-08
3267	492363.09, 3847377.25	3.94E-04	1.24E-07	3.62E-08	4.02E-04	1.27E-07	3.69E-08	4.02E-04	1.27E-07	3.69E-08
3268	492863.09, 3847377.25	3.98E-04	1.26E-07	3.65E-08	4.06E-04	1.28E-07	3.73E-08	4.06E-04	1.28E-07	3.72E-08
3269	493363.09, 3847377.25	3.95E-04	1.25E-07	3.62E-08	4.03E-04	1.27E-07	3.70E-08	4.02E-04	1.27E-07	3.69E-08
3270	493863.09, 3847377.25	3.77E-04	1.19E-07	3.46E-08	3.85E-04	1.21E-07	3.53E-08	3.84E-04	1.21E-07	3.53E-08
3271	494363.09, 3847377.25	3.62E-04	1.14E-07	3.32E-08	3.70E-04	1.17E-07	3.39E-08	3.69E-04	1.16E-07	3.39E-08
3272	494863.09, 3847377.25	3.55E-04	1.12E-07	3.26E-08	3.63E-04	1.14E-07	3.33E-08	3.62E-04	1.14E-07	3.33E-08
3273	495363.09, 3847377.25	3.49E-04	1.10E-07	3.20E-08	3.56E-04	1.12E-07	3.27E-08	3.56E-04	1.12E-07	3.26E-08
3274	495863.09, 3847377.25	3.49E-04	1.10E-07	3.20E-08	3.56E-04	1.12E-07	3.27E-08	3.55E-04	1.12E-07	3.26E-08
3275	496363.09, 3847377.25	3.46E-04	1.09E-07	3.18E-08	3.53E-04	1.11E-07	3.24E-08	3.53E-04	1.11E-07	3.24E-08
3276	496863.09, 3847377.25	3.56E-04	1.12E-07	3.27E-08	3.64E-04	1.15E-07	3.34E-08	3.63E-04	1.15E-07	3.33E-08
3277	497363.09, 3847377.25	3.74E-04	1.18E-07	3.44E-08	3.82E-04	1.21E-07	3.51E-08	3.81E-04	1.20E-07	3.50E-08
3278	497863.09, 3847377.25	3.97E-04	1.25E-07	3.64E-08	4.05E-04	1.28E-07	3.72E-08	4.05E-04	1.28E-07	3.71E-08
3279	498363.09, 3847377.25	3.93E-04	1.24E-07	3.61E-08	4.01E-04	1.27E-07	3.68E-08	4.01E-04	1.26E-07	3.68E-08
3280	471363.09, 3847877.25	1.01E-03	3.20E-07	9.32E-08	1.04E-03	3.27E-07	9.51E-08	1.03E-03	3.26E-07	9.50E-08
3281	471863.09, 3847877.25	1.20E-03	3.80E-07	1.11E-07	1.23E-03	3.88E-07	1.13E-07	1.23E-03	3.88E-07	1.13E-07
3282	472363.09, 3847877.25	1.47E-03	4.65E-07	1.35E-07	1.50E-03	4.75E-07	1.38E-07	1.50E-03	4.74E-07	1.38E-07

3283	472863.09, 3847877.25	1.96E-03	6.19E-07	1.80E-07	2.00E-03	6.32E-07	1.84E-07	2.00E-03	6.31E-07	1.84E-07
3284	473363.09, 3847877.25	3.21E-03	1.01E-06	2.94E-07	3.27E-03	1.03E-06	3.00E-07	3.27E-03	1.03E-06	3.00E-07
3285	473863.09, 3847877.25	1.97E-02	6.22E-06	1.81E-06	2.01E-02	6.35E-06	1.85E-06	2.01E-02	6.34E-06	1.84E-06
3286	474363.09, 3847877.25	8.70E-03	2.75E-06	7.99E-07	8.88E-03	2.80E-06	8.15E-07	8.87E-03	2.80E-06	8.14E-07
3287	474863.09, 3847877.25	7.15E-03	2.26E-06	6.56E-07	7.30E-03	2.30E-06	6.70E-07	7.29E-03	2.30E-06	6.69E-07
3288	475363.09, 3847877.25	4.94E-03	1.56E-06	4.54E-07	5.04E-03	1.59E-06	4.63E-07	5.04E-03	1.59E-06	4.62E-07
3289	475863.09, 3847877.25	3.87E-03	1.22E-06	3.55E-07	3.95E-03	1.25E-06	3.63E-07	3.94E-03	1.25E-06	3.62E-07
3290	476363.09, 3847877.25	4.38E-03	1.38E-06	4.02E-07	4.47E-03	1.41E-06	4.10E-07	4.46E-03	1.41E-06	4.10E-07
3291	476863.09, 3847877.25	3.96E-03	1.25E-06	3.63E-07	4.04E-03	1.27E-06	3.71E-07	4.03E-03	1.27E-06	3.70E-07
3292	477363.09, 3847877.25	3.53E-03	1.11E-06	3.24E-07	3.60E-03	1.14E-06	3.31E-07	3.60E-03	1.14E-06	3.30E-07
3293	477863.09, 3847877.25	3.17E-03	9.99E-07	2.91E-07	3.23E-03	1.02E-06	2.97E-07	3.23E-03	1.02E-06	2.96E-07
3294	478363.09, 3847877.25	2.83E-03	8.93E-07	2.60E-07	2.89E-03	9.12E-07	2.65E-07	2.88E-03	9.10E-07	2.65E-07
3295	478863.09, 3847877.25	2.59E-03	8.18E-07	2.38E-07	2.64E-03	8.35E-07	2.43E-07	2.64E-03	8.34E-07	2.42E-07
3296	479363.09, 3847877.25	1.92E-03	6.06E-07	1.76E-07	1.96E-03	6.19E-07	1.80E-07	1.96E-03	6.18E-07	1.80E-07
3297	479863.09, 3847877.25	1.23E-03	3.89E-07	1.13E-07	1.26E-03	3.97E-07	1.16E-07	1.26E-03	3.97E-07	1.15E-07
3298	480363.09, 3847877.25	1.26E-03	3.97E-07	1.15E-07	1.28E-03	4.05E-07	1.18E-07	1.28E-03	4.05E-07	1.18E-07
3299	480863.09, 3847877.25	1.11E-03	3.49E-07	1.02E-07	1.13E-03	3.56E-07	1.04E-07	1.13E-03	3.56E-07	1.04E-07
3300	481363.09, 3847877.25	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
3301	481863.09, 3847877.25	1.36E-03	4.31E-07	1.25E-07	1.39E-03	4.39E-07	1.28E-07	1.39E-03	4.39E-07	1.28E-07
3302	482363.09, 3847877.25	1.27E-03	4.00E-07	1.16E-07	1.29E-03	4.08E-07	1.19E-07	1.29E-03	4.07E-07	1.18E-07
3303	482863.09, 3847877.25	1.14E-03	3.61E-07	1.05E-07	1.17E-03	3.68E-07	1.07E-07	1.17E-03	3.68E-07	1.07E-07
3304	483363.09, 3847877.25	1.06E-03	3.36E-07	9.78E-08	1.09E-03	3.43E-07	9.98E-08	1.09E-03	3.43E-07	9.96E-08
3305	483863.09, 3847877.25	1.03E-03	3.26E-07	9.48E-08	1.05E-03	3.32E-07	9.67E-08	1.05E-03	3.32E-07	9.66E-08
3306	484363.09, 3847877.25	1.04E-03	3.28E-07	9.53E-08	1.06E-03	3.34E-07	9.72E-08	1.06E-03	3.34E-07	9.71E-08
3307	484863.09, 3847877.25	9.96E-04	3.14E-07	9.14E-08	1.02E-03	3.21E-07	9.33E-08	1.01E-03	3.20E-07	9.32E-08
3308	485363.09, 3847877.25	9.83E-04	3.10E-07	9.03E-08	1.00E-03	3.17E-07	9.21E-08	1.00E-03	3.16E-07	9.20E-08
3309	485863.09, 3847877.25	9.70E-04	3.06E-07	8.90E-08	9.90E-04	3.12E-07	9.08E-08	9.88E-04	3.12E-07	9.07E-08
3310	486363.09, 3847877.25	8.92E-04	2.81E-07	8.19E-08	9.10E-04	2.87E-07	8.35E-08	9.09E-04	2.87E-07	8.34E-08
3311	486863.09, 3847877.25	8.30E-04	2.62E-07	7.62E-08	8.47E-04	2.67E-07	7.77E-08	8.46E-04	2.67E-07	7.76E-08
3312	487363.09, 3847877.25	7.85E-04	2.48E-07	7.21E-08	8.01E-04	2.53E-07	7.36E-08	8.00E-04	2.53E-07	7.35E-08
3313	487863.09, 3847877.25	7.20E-04	2.27E-07	6.61E-08	7.35E-04	2.32E-07	6.75E-08	7.34E-04	2.32E-07	6.74E-08
3314	488363.09, 3847877.25	6.84E-04	2.16E-07	6.28E-08	6.98E-04	2.20E-07	6.40E-08	6.97E-04	2.20E-07	6.40E-08
3315	488863.09, 3847877.25	6.62E-04	2.09E-07	6.07E-08	6.75E-04	2.13E-07	6.20E-08	6.74E-04	2.13E-07	6.19E-08
3316	489363.09, 3847877.25	6.40E-04	2.02E-07	5.88E-08	6.53E-04	2.06E-07	6.00E-08	6.53E-04	2.06E-07	5.99E-08
3317	489863.09, 3847877.25	6.43E-04	2.03E-07	5.91E-08	6.56E-04	2.07E-07	6.03E-08	6.56E-04	2.07E-07	6.02E-08
3318	490363.09, 3847877.25	6.12E-04	1.93E-07	5.62E-08	6.25E-04	1.97E-07	5.73E-08	6.24E-04	1.97E-07	5.73E-08
3319	490863.09, 3847877.25	5.70E-04	1.80E-07	5.23E-08	5.81E-04	1.83E-07	5.34E-08	5.81E-04	1.83E-07	5.33E-08
3320	491363.09, 3847877.25	5.10E-04	1.61E-07	4.68E-08	5.20E-04	1.64E-07	4.78E-08	5.20E-04	1.64E-07	4.77E-08
3321	491863.09, 3847877.25	4.90E-04	1.55E-07	4.50E-08	5.00E-04	1.58E-07	4.59E-08	5.00E-04	1.58E-07	4.59E-08
3322	492363.09, 3847877.25	4.78E-04	1.51E-07	4.39E-08	4.88E-04	1.54E-07	4.48E-08	4.87E-04	1.54E-07	4.47E-08
3323	492863.09, 3847877.25	4.59E-04	1.45E-07	4.22E-08	4.69E-04	1.48E-07	4.30E-08	4.68E-04	1.48E-07	4.30E-08
3324	493363.09, 3847877.25	4.15E-04	1.31E-07	3.81E-08	4.24E-04	1.34E-07	3.89E-08	4.23E-04	1.34E-07	3.89E-08
3325	493863.09, 3847877.25	3.86E-04	1.22E-07	3.54E-08	3.94E-04	1.24E-07	3.62E-08	3.93E-04	1.24E-07	3.61E-08
3326	494363.09, 3847877.25	3.71E-04	1.17E-07	3.40E-08	3.78E-04	1.19E-07	3.47E-08	3.78E-04	1.19E-07	3.47E-08
3327	494863.09, 3847877.25	3.62E-04	1.14E-07	3.33E-08	3.70E-04	1.17E-07	3.40E-08	3.69E-04	1.17E-07	3.39E-08
3328	495363.09, 3847877.25	3.44E-04	1.09E-07	3.16E-08	3.51E-04	1.11E-07	3.22E-08	3.51E-04	1.11E-07	3.22E-08
3329	495863.09, 3847877.25	2.90E-04	9.16E-08	2.66E-08	2.96E-04	9.35E-08	2.72E-08	2.96E-04	9.34E-08	2.72E-08
3330	496363.09, 3847877.25	3.40E-04	1.07E-07	3.12E-08	3.47E-04	1.09E-07	3.18E-08	3.46E-04	1.09E-07	3.18E-08
3331	496863.09, 3847877.25	3.49E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
3332	497363.09, 3847877.25	3.68E-04	1.16E-07	3.38E-08	3.76E-04	1.19E-07	3.45E-08	3.75E-04	1.18E-07	3.45E-08
3333	497863.09, 3847877.25	4.19E-04	1.32E-07	3.85E-08	4.28E-04	1.35E-07	3.93E-08	4.27E-04	1.35E-07	3.92E-08
3334	498363.09, 3847877.25	4.26E-04	1.35E-07	3.91E-08	4.35E-04	1.37E-07	3.99E-08	4.35E-04	1.37E-07	3.99E-08
3335	471363.09, 3848377.25	1.08E-03	3.41E-07	9.92E-08	1.10E-03	3.48E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
3336	471863.09, 3848377.25	1.31E-03	4.15E-07	1.21E-07	1.34E-03	4.23E-07	1.23E-07	1.34E-03	4.23E-07	1.23E-07
3337	472363.09, 3848377.25	1.67E-03	5.27E-07	1.53E-07	1.71E-03	5.38E-07	1.57E-07	1.70E-03	5.38E-07	1.56E-07
3338	472863.09, 3848377.25	2.27E-03	7.17E-07	2.09E-07	2.32E-03	7.32E-07	2.13E-07	2.32E-03	7.31E-07	2.13E-07
3339	473363.09, 3848377.25	3.41E-03	1.08E-06	3.13E-07	3.48E-03	1.10E-06	3.19E-07	3.48E-03	1.10E-06	3.19E-07
3340	473863.09, 3848377.25	6.27E-03	1.98E-06	5.76E-07	6.40E-03	2.02E-06	5.88E-07	6.39E-03	2.02E-06	5.87E-07
3341	474363.09, 3848377.25	2.27E-02	7.17E-06	2.09E-06	2.32E-02	7.32E-06	2.13E-06	2.32E-02	7.31E-06	2.13E-06
3342	474863.09, 3848377.25	2.11E-02	6.66E-06	1.94E-06	2.15E-02	6.80E-06	1.98E-06	2.15E-02	6.79E-06	1.97E-06
3343	475363.09, 3848377.25	1.44E-02	4.56E-06	1.33E-06	1.47E-02	4.65E-06	1.35E-06	1.47E-02	4.65E-06	1.35E-06
3344	475863.09, 3848377.25	8.79E-03	2.77E-06	8.07E-07	8.97E-03	2.83E-06	8.23E-07	8.96E-03	2.83E-06	8.22E-07

3345	476363.09, 3848377.25	6.12E-03	1.93E-06	5.62E-07	6.24E-03	1.97E-06	5.73E-07	6.24E-03	1.97E-06	5.72E-07
3346	476863.09, 3848377.25	6.56E-03	2.07E-06	6.03E-07	6.70E-03	2.11E-06	6.15E-07	6.69E-03	2.11E-06	6.14E-07
3347	477363.09, 3848377.25	5.66E-03	1.79E-06	5.19E-07	5.77E-03	1.82E-06	5.30E-07	5.77E-03	1.82E-06	5.29E-07
3348	477863.09, 3848377.25	5.10E-03	1.61E-06	4.68E-07	5.21E-03	1.64E-06	4.78E-07	5.20E-03	1.64E-06	4.77E-07
3349	478363.09, 3848377.25	4.49E-03	1.42E-06	4.12E-07	4.58E-03	1.44E-06	4.20E-07	4.57E-03	1.44E-06	4.20E-07
3350	478863.09, 3848377.25	3.81E-03	1.20E-06	3.49E-07	3.88E-03	1.23E-06	3.57E-07	3.88E-03	1.22E-06	3.56E-07
3351	479363.09, 3848377.25	2.85E-03	8.99E-07	2.62E-07	2.91E-03	9.17E-07	2.67E-07	2.90E-03	9.16E-07	2.67E-07
3352	479863.09, 3848377.25	1.21E-03	3.82E-07	1.11E-07	1.24E-03	3.90E-07	1.13E-07	1.23E-03	3.89E-07	1.13E-07
3353	480363.09, 3848377.25	1.60E-03	5.05E-07	1.47E-07	1.63E-03	5.15E-07	1.50E-07	1.63E-03	5.15E-07	1.50E-07
3354	480863.09, 3848377.25	1.97E-03	6.23E-07	1.81E-07	2.01E-03	6.35E-07	1.85E-07	2.01E-03	6.35E-07	1.85E-07
3355	481363.09, 3848377.25	1.88E-03	5.94E-07	1.73E-07	1.92E-03	6.06E-07	1.76E-07	1.92E-03	6.06E-07	1.76E-07
3356	481863.09, 3848377.25	1.85E-03	5.83E-07	1.69E-07	1.88E-03	5.95E-07	1.73E-07	1.88E-03	5.94E-07	1.73E-07
3357	482363.09, 3848377.25	1.76E-03	5.55E-07	1.61E-07	1.80E-03	5.67E-07	1.65E-07	1.79E-03	5.66E-07	1.65E-07
3358	482863.09, 3848377.25	1.55E-03	4.88E-07	1.42E-07	1.58E-03	4.98E-07	1.45E-07	1.58E-03	4.97E-07	1.45E-07
3359	483363.09, 3848377.25	1.44E-03	4.56E-07	1.33E-07	1.47E-03	4.65E-07	1.35E-07	1.47E-03	4.64E-07	1.35E-07
3360	483863.09, 3848377.25	1.31E-03	4.12E-07	1.20E-07	1.33E-03	4.21E-07	1.22E-07	1.33E-03	4.20E-07	1.22E-07
3361	484363.09, 3848377.25	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.29E-03	4.08E-07	1.19E-07
3362	484863.09, 3848377.25	1.30E-03	4.11E-07	1.19E-07	1.33E-03	4.19E-07	1.22E-07	1.33E-03	4.19E-07	1.22E-07
3363	485363.09, 3848377.25	1.25E-03	3.93E-07	1.14E-07	1.27E-03	4.01E-07	1.17E-07	1.27E-03	4.01E-07	1.17E-07
3364	485863.09, 3848377.25	1.20E-03	3.79E-07	1.10E-07	1.23E-03	3.87E-07	1.12E-07	1.22E-03	3.86E-07	1.12E-07
3365	486363.09, 3848377.25	1.12E-03	3.54E-07	1.03E-07	1.14E-03	3.61E-07	1.05E-07	1.14E-03	3.61E-07	1.05E-07
3366	486863.09, 3848377.25	1.03E-03	3.25E-07	9.45E-08	1.05E-03	3.32E-07	9.65E-08	1.05E-03	3.31E-07	9.64E-08
3367	487363.09, 3848377.25	9.22E-04	2.91E-07	8.46E-08	9.41E-04	2.97E-07	8.64E-08	9.40E-04	2.97E-07	8.63E-08
3368	487863.09, 3848377.25	8.80E-04	2.78E-07	8.08E-08	8.98E-04	2.83E-07	8.25E-08	8.97E-04	2.83E-07	8.24E-08
3369	488363.09, 3848377.25	8.34E-04	2.63E-07	7.66E-08	8.51E-04	2.69E-07	7.81E-08	8.50E-04	2.68E-07	7.81E-08
3370	488863.09, 3848377.25	7.99E-04	2.52E-07	7.33E-08	8.15E-04	2.57E-07	7.48E-08	8.14E-04	2.57E-07	7.47E-08
3371	489363.09, 3848377.25	7.76E-04	2.45E-07	7.12E-08	7.91E-04	2.50E-07	7.27E-08	7.90E-04	2.49E-07	7.26E-08
3372	489863.09, 3848377.25	7.77E-04	2.45E-07	7.14E-08	7.93E-04	2.50E-07	7.28E-08	7.92E-04	2.50E-07	7.27E-08
3373	490363.09, 3848377.25	7.33E-04	2.31E-07	6.73E-08	7.48E-04	2.36E-07	6.87E-08	7.47E-04	2.36E-07	6.86E-08
3374	490863.09, 3848377.25	6.67E-04	2.11E-07	6.12E-08	6.81E-04	2.15E-07	6.25E-08	6.80E-04	2.15E-07	6.24E-08
3375	491363.09, 3848377.25	6.15E-04	1.94E-07	5.65E-08	6.28E-04	1.98E-07	5.76E-08	6.27E-04	1.98E-07	5.75E-08
3376	491863.09, 3848377.25	5.76E-04	1.82E-07	5.29E-08	5.88E-04	1.86E-07	5.40E-08	5.87E-04	1.85E-07	5.39E-08
3377	492363.09, 3848377.25	5.14E-04	1.62E-07	4.72E-08	5.24E-04	1.65E-07	4.81E-08	5.23E-04	1.65E-07	4.81E-08
3378	492863.09, 3848377.25	4.51E-04	1.42E-07	4.14E-08	4.60E-04	1.45E-07	4.22E-08	4.59E-04	1.45E-07	4.22E-08
3379	493363.09, 3848377.25	4.19E-04	1.32E-07	3.85E-08	4.28E-04	1.35E-07	3.93E-08	4.27E-04	1.35E-07	3.92E-08
3380	493863.09, 3848377.25	3.91E-04	1.23E-07	3.59E-08	3.99E-04	1.26E-07	3.66E-08	3.98E-04	1.26E-07	3.66E-08
3381	494363.09, 3848377.25	3.65E-04	1.15E-07	3.35E-08	3.73E-04	1.18E-07	3.42E-08	3.72E-04	1.18E-07	3.42E-08
3382	494863.09, 3848377.25	3.60E-04	1.14E-07	3.31E-08	3.67E-04	1.16E-07	3.37E-08	3.67E-04	1.16E-07	3.37E-08
3383	495363.09, 3848377.25	3.19E-04	1.01E-07	2.93E-08	3.25E-04	1.03E-07	2.99E-08	3.25E-04	1.03E-07	2.98E-08
3384	495863.09, 3848377.25	3.06E-04	9.66E-08	2.81E-08	3.12E-04	9.86E-08	2.87E-08	3.12E-04	9.85E-08	2.86E-08
3385	496363.09, 3848377.25	3.24E-04	1.02E-07	2.97E-08	3.30E-04	1.04E-07	3.03E-08	3.30E-04	1.04E-07	3.03E-08
3386	496863.09, 3848377.25	3.06E-04	9.65E-08	2.81E-08	3.12E-04	9.85E-08	2.87E-08	3.12E-04	9.84E-08	2.86E-08
3387	497363.09, 3848377.25	3.39E-04	1.07E-07	3.12E-08	3.46E-04	1.09E-07	3.18E-08	3.46E-04	1.09E-07	3.18E-08
3388	497863.09, 3848377.25	4.53E-04	1.43E-07	4.16E-08	4.63E-04	1.46E-07	4.25E-08	4.62E-04	1.46E-07	4.24E-08
3389	498363.09, 3848377.25	4.50E-04	1.42E-07	4.13E-08	4.59E-04	1.45E-07	4.22E-08	4.59E-04	1.45E-07	4.21E-08
3390	471363.09, 3848877.25	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
3391	471863.09, 3848877.25	1.33E-03	4.19E-07	1.22E-07	1.35E-03	4.27E-07	1.24E-07	1.35E-03	4.27E-07	1.24E-07
3392	472363.09, 3848877.25	1.65E-03	5.22E-07	1.52E-07	1.69E-03	5.33E-07	1.55E-07	1.69E-03	5.32E-07	1.55E-07
3393	472863.09, 3848877.25	2.14E-03	6.75E-07	1.96E-07	2.18E-03	6.88E-07	2.00E-07	2.18E-03	6.88E-07	2.00E-07
3394	473363.09, 3848877.25	2.92E-03	9.22E-07	2.68E-07	2.98E-03	9.41E-07	2.74E-07	2.98E-03	9.40E-07	2.73E-07
3395	473863.09, 3848877.25	4.27E-03	1.35E-06	3.92E-07	4.36E-03	1.38E-06	4.00E-07	4.36E-03	1.37E-06	4.00E-07
3396	474363.09, 3848877.25	6.79E-03	2.14E-06	6.23E-07	6.93E-03	2.19E-06	6.36E-07	6.92E-03	2.18E-06	6.35E-07
3397	474863.09, 3848877.25	1.92E-02	6.08E-06	1.77E-06	1.96E-02	6.20E-06	1.80E-06	1.96E-02	6.19E-06	1.80E-06
3398	475363.09, 3848877.25	3.79E-02	1.20E-05	3.48E-06	3.87E-02	1.22E-05	3.55E-06	3.87E-02	1.22E-05	3.55E-06
3399	475863.09, 3848877.25	2.10E-02	6.63E-06	1.93E-06	2.14E-02	6.76E-06	1.97E-06	2.14E-02	6.75E-06	1.96E-06
3400	476363.09, 3848877.25	1.46E-02	4.60E-06	1.34E-06	1.49E-02	4.70E-06	1.37E-06	1.49E-02	4.69E-06	1.36E-06
3401	476863.09, 3848877.25	1.11E-02	3.49E-06	1.02E-06	1.13E-02	3.56E-06	1.04E-06	1.13E-02	3.56E-06	1.04E-06
3402	477363.09, 3848877.25	1.10E-02	3.48E-06	1.01E-06	1.13E-02	3.55E-06	1.03E-06	1.12E-02	3.55E-06	1.03E-06
3403	477863.09, 3848877.25	8.94E-03	2.82E-06	8.21E-07	9.12E-03	2.88E-06	8.37E-07	9.11E-03	2.88E-06	8.36E-07
3404	478363.09, 3848877.25	7.58E-03	2.39E-06	6.95E-07	7.73E-03	2.44E-06	7.10E-07	7.72E-03	2.44E-06	7.09E-07
3405	478863.09, 3848877.25	6.14E-03	1.94E-06	5.64E-07	6.27E-03	1.98E-06	5.76E-07	6.26E-03	1.98E-06	5.75E-07
3406	479363.09, 3848877.25	4.77E-03	1.51E-06	4.38E-07	4.87E-03	1.54E-06	4.47E-07	4.86E-03	1.53E-06	4.46E-07

3407	479863.09, 3848877.25	3.67E-03	1.16E-06	3.37E-07	3.74E-03	1.18E-06	3.43E-07	3.74E-03	1.18E-06	3.43E-07
3408	480363.09, 3848877.25	3.43E-03	1.08E-06	3.14E-07	3.50E-03	1.10E-06	3.21E-07	3.49E-03	1.10E-06	3.20E-07
3409	480863.09, 3848877.25	3.21E-03	1.01E-06	2.95E-07	3.28E-03	1.03E-06	3.01E-07	3.27E-03	1.03E-06	3.01E-07
3410	481363.09, 3848877.25	2.85E-03	8.99E-07	2.62E-07	2.91E-03	9.18E-07	2.67E-07	2.90E-03	9.17E-07	2.67E-07
3411	481863.09, 3848877.25	2.42E-03	7.65E-07	2.22E-07	2.47E-03	7.80E-07	2.27E-07	2.47E-03	7.79E-07	2.27E-07
3412	482363.09, 3848877.25	2.01E-03	6.34E-07	1.84E-07	2.05E-03	6.47E-07	1.88E-07	2.05E-03	6.46E-07	1.88E-07
3413	482863.09, 3848877.25	1.69E-03	5.34E-07	1.55E-07	1.73E-03	5.45E-07	1.59E-07	1.73E-03	5.45E-07	1.58E-07
3414	483363.09, 3848877.25	1.47E-03	4.64E-07	1.35E-07	1.50E-03	4.73E-07	1.38E-07	1.50E-03	4.73E-07	1.37E-07
3415	483863.09, 3848877.25	1.39E-03	4.38E-07	1.27E-07	1.42E-03	4.47E-07	1.30E-07	1.42E-03	4.47E-07	1.30E-07
3416	484363.09, 3848877.25	1.53E-03	4.84E-07	1.41E-07	1.57E-03	4.94E-07	1.44E-07	1.56E-03	4.94E-07	1.44E-07
3417	484863.09, 3848877.25	1.65E-03	5.19E-07	1.51E-07	1.68E-03	5.30E-07	1.54E-07	1.68E-03	5.29E-07	1.54E-07
3418	485363.09, 3848877.25	1.55E-03	4.90E-07	1.43E-07	1.59E-03	5.00E-07	1.46E-07	1.58E-03	5.00E-07	1.45E-07
3419	485863.09, 3848877.25	1.47E-03	4.64E-07	1.35E-07	1.50E-03	4.73E-07	1.38E-07	1.50E-03	4.72E-07	1.37E-07
3420	486363.09, 3848877.25	1.33E-03	4.20E-07	1.22E-07	1.36E-03	4.28E-07	1.25E-07	1.36E-03	4.28E-07	1.24E-07
3421	486863.09, 3848877.25	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.82E-07	1.11E-07	1.21E-03	3.82E-07	1.11E-07
3422	487363.09, 3848877.25	1.14E-03	3.61E-07	1.05E-07	1.17E-03	3.68E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
3423	487863.09, 3848877.25	1.06E-03	3.35E-07	9.75E-08	1.08E-03	3.42E-07	9.95E-08	1.08E-03	3.42E-07	9.94E-08
3424	488363.09, 3848877.25	1.01E-03	3.19E-07	9.28E-08	1.03E-03	3.26E-07	9.47E-08	1.03E-03	3.25E-07	9.46E-08
3425	488863.09, 3848877.25	9.50E-04	3.00E-07	8.72E-08	9.69E-04	3.06E-07	8.90E-08	9.68E-04	3.06E-07	8.89E-08
3426	489363.09, 3848877.25	9.22E-04	2.91E-07	8.47E-08	9.41E-04	2.97E-07	8.64E-08	9.40E-04	2.97E-07	8.63E-08
3427	489863.09, 3848877.25	8.97E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
3428	490363.09, 3848877.25	8.17E-04	2.58E-07	7.50E-08	8.34E-04	2.63E-07	7.65E-08	8.33E-04	2.63E-07	7.65E-08
3429	490863.09, 3848877.25	7.40E-04	2.34E-07	6.80E-08	7.56E-04	2.38E-07	6.94E-08	7.55E-04	2.38E-07	6.93E-08
3430	491363.09, 3848877.25	6.90E-04	2.18E-07	6.33E-08	7.04E-04	2.22E-07	6.46E-08	7.03E-04	2.22E-07	6.45E-08
3431	491863.09, 3848877.25	6.06E-04	1.91E-07	5.56E-08	6.18E-04	1.95E-07	5.68E-08	6.18E-04	1.95E-07	5.67E-08
3432	492363.09, 3848877.25	5.27E-04	1.66E-07	4.84E-08	5.38E-04	1.70E-07	4.94E-08	5.37E-04	1.70E-07	4.93E-08
3433	492863.09, 3848877.25	4.47E-04	1.41E-07	4.10E-08	4.56E-04	1.44E-07	4.18E-08	4.55E-04	1.44E-07	4.18E-08
3434	493363.09, 3848877.25	3.77E-04	1.19E-07	3.46E-08	3.84E-04	1.21E-07	3.53E-08	3.84E-04	1.21E-07	3.52E-08
3435	493863.09, 3848877.25	3.72E-04	1.17E-07	3.41E-08	3.79E-04	1.20E-07	3.48E-08	3.79E-04	1.20E-07	3.48E-08
3436	494363.09, 3848877.25	3.54E-04	1.12E-07	3.25E-08	3.61E-04	1.14E-07	3.32E-08	3.61E-04	1.14E-07	3.31E-08
3437	494863.09, 3848877.25	3.57E-04	1.13E-07	3.28E-08	3.65E-04	1.15E-07	3.35E-08	3.64E-04	1.15E-07	3.34E-08
3438	495363.09, 3848877.25	3.52E-04	1.11E-07	3.24E-08	3.60E-04	1.13E-07	3.30E-08	3.59E-04	1.13E-07	3.30E-08
3439	495863.09, 3848877.25	3.06E-04	9.64E-08	2.81E-08	3.12E-04	9.84E-08	2.86E-08	3.11E-04	9.83E-08	2.86E-08
3440	496363.09, 3848877.25	3.02E-04	9.52E-08	2.77E-08	3.08E-04	9.72E-08	2.83E-08	3.08E-04	9.71E-08	2.82E-08
3441	496863.09, 3848877.25	3.35E-04	1.06E-07	3.08E-08	3.42E-04	1.08E-07	3.14E-08	3.42E-04	1.08E-07	3.14E-08
3442	497363.09, 3848877.25	4.25E-04	1.34E-07	3.90E-08	4.34E-04	1.37E-07	3.98E-08	4.33E-04	1.37E-07	3.98E-08
3443	497863.09, 3848877.25	4.55E-04	1.44E-07	4.18E-08	4.65E-04	1.47E-07	4.26E-08	4.64E-04	1.46E-07	4.26E-08
3444	498363.09, 3848877.25	4.72E-04	1.49E-07	4.33E-08	4.81E-04	1.52E-07	4.42E-08	4.81E-04	1.52E-07	4.41E-08
3445	471363.09, 3849377.25	1.06E-03	3.34E-07	9.72E-08	1.08E-03	3.41E-07	9.92E-08	1.08E-03	3.40E-07	9.90E-08
3446	471863.09, 3849377.25	1.28E-03	4.03E-07	1.17E-07	1.30E-03	4.11E-07	1.20E-07	1.30E-03	4.11E-07	1.19E-07
3447	472363.09, 3849377.25	1.54E-03	4.85E-07	1.41E-07	1.57E-03	4.95E-07	1.44E-07	1.57E-03	4.94E-07	1.44E-07
3448	472863.09, 3849377.25	1.91E-03	6.01E-07	1.75E-07	1.94E-03	6.14E-07	1.79E-07	1.94E-03	6.13E-07	1.78E-07
3449	473363.09, 3849377.25	2.44E-03	7.71E-07	2.24E-07	2.49E-03	7.87E-07	2.29E-07	2.49E-03	7.86E-07	2.29E-07
3450	473863.09, 3849377.25	3.20E-03	1.01E-06	2.94E-07	3.26E-03	1.03E-06	3.00E-07	3.26E-03	1.03E-06	2.99E-07
3451	474363.09, 3849377.25	4.30E-03	1.36E-06	3.95E-07	4.39E-03	1.39E-06	4.03E-07	4.39E-03	1.38E-06	4.03E-07
3452	474863.09, 3849377.25	6.16E-03	1.95E-06	5.66E-07	6.29E-03	1.98E-06	5.77E-07	6.28E-03	1.98E-06	5.77E-07
3453	475363.09, 3849377.25	1.02E-02	3.23E-06	9.39E-07	1.04E-02	3.30E-06	9.59E-07	1.04E-02	3.29E-06	9.58E-07
3454	475863.09, 3849377.25	1.77E-02	5.60E-06	1.63E-06	1.81E-02	5.71E-06	1.66E-06	1.81E-02	5.71E-06	1.66E-06
3455	476363.09, 3849377.25	3.29E-02	1.04E-05	3.02E-06	3.36E-02	1.06E-05	3.09E-06	3.36E-02	1.06E-05	3.08E-06
3456	476863.09, 3849377.25	7.30E-02	2.30E-05	6.70E-06	7.45E-02	2.35E-05	6.84E-06	7.44E-02	2.35E-05	6.83E-06
3457	477363.09, 3849377.25	2.63E-02	8.30E-06	2.42E-06	2.68E-02	8.47E-06	2.46E-06	2.68E-02	8.46E-06	2.46E-06
3458	477863.09, 3849377.25	1.69E-02	5.34E-06	1.55E-06	1.73E-02	5.45E-06	1.59E-06	1.72E-02	5.44E-06	1.58E-06
3459	478363.09, 3849377.25	1.28E-02	4.03E-06	1.17E-06	1.30E-02	4.11E-06	1.20E-06	1.30E-02	4.10E-06	1.19E-06
3460	478863.09, 3849377.25	9.49E-03	3.00E-06	8.71E-07	9.68E-03	3.06E-06	8.89E-07	9.67E-03	3.05E-06	8.88E-07
3461	479363.09, 3849377.25	7.58E-03	2.39E-06	6.96E-07	7.73E-03	2.44E-06	7.10E-07	7.72E-03	2.44E-06	7.09E-07
3462	479863.09, 3849377.25	5.60E-03	1.77E-06	5.14E-07	5.72E-03	1.80E-06	5.25E-07	5.71E-03	1.80E-06	5.24E-07
3463	480363.09, 3849377.25	5.42E-03	1.71E-06	4.97E-07	5.53E-03	1.74E-06	5.08E-07	5.52E-03	1.74E-06	5.07E-07
3464	480863.09, 3849377.25	4.60E-03	1.45E-06	4.22E-07	4.69E-03	1.48E-06	4.31E-07	4.69E-03	1.48E-06	4.30E-07
3465	481363.09, 3849377.25	3.66E-03	1.16E-06	3.36E-07	3.74E-03	1.18E-06	3.43E-07	3.73E-03	1.18E-06	3.43E-07
3466	481863.09, 3849377.25	2.71E-03	8.54E-07	2.48E-07	2.76E-03	8.72E-07	2.54E-07	2.76E-03	8.71E-07	2.53E-07
3467	482363.09, 3849377.25	2.29E-03	7.24E-07	2.11E-07	2.34E-03	7.39E-07	2.15E-07	2.34E-03	7.38E-07	2.15E-07
3468	482863.09, 3849377.25	1.86E-03	5.88E-07	1.71E-07	1.90E-03	6.00E-07	1.75E-07	1.90E-03	5.99E-07	1.74E-07

3469	483363.09, 3849377.25	1.64E-03	5.17E-07	1.50E-07	1.67E-03	5.28E-07	1.54E-07	1.67E-03	5.27E-07	1.53E-07
3470	483863.09, 3849377.25	1.36E-03	4.28E-07	1.25E-07	1.38E-03	4.37E-07	1.27E-07	1.38E-03	4.36E-07	1.27E-07
3471	484363.09, 3849377.25	1.81E-03	5.72E-07	1.66E-07	1.85E-03	5.84E-07	1.70E-07	1.85E-03	5.83E-07	1.70E-07
3472	484863.09, 3849377.25	2.00E-03	6.30E-07	1.83E-07	2.04E-03	6.43E-07	1.87E-07	2.04E-03	6.42E-07	1.87E-07
3473	485363.09, 3849377.25	1.89E-03	5.95E-07	1.73E-07	1.92E-03	6.08E-07	1.77E-07	1.92E-03	6.07E-07	1.77E-07
3474	485863.09, 3849377.25	1.52E-03	4.81E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.90E-07	1.42E-07
3475	486363.09, 3849377.25	1.24E-03	3.92E-07	1.14E-07	1.27E-03	4.00E-07	1.16E-07	1.27E-03	4.00E-07	1.16E-07
3476	486863.09, 3849377.25	1.38E-03	4.35E-07	1.26E-07	1.41E-03	4.44E-07	1.29E-07	1.40E-03	4.43E-07	1.29E-07
3477	487363.09, 3849377.25	1.35E-03	4.26E-07	1.24E-07	1.38E-03	4.35E-07	1.27E-07	1.38E-03	4.35E-07	1.26E-07
3478	487863.09, 3849377.25	1.26E-03	3.98E-07	1.16E-07	1.29E-03	4.06E-07	1.18E-07	1.29E-03	4.06E-07	1.18E-07
3479	488363.09, 3849377.25	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.82E-07	1.11E-07	1.21E-03	3.82E-07	1.11E-07
3480	488863.09, 3849377.25	1.13E-03	3.56E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.63E-07	1.06E-07
3481	489363.09, 3849377.25	1.07E-03	3.39E-07	9.86E-08	1.10E-03	3.46E-07	1.01E-07	1.09E-03	3.46E-07	1.01E-07
3482	489863.09, 3849377.25	1.00E-03	3.17E-07	9.22E-08	1.02E-03	3.23E-07	9.40E-08	1.02E-03	3.23E-07	9.39E-08
3483	490363.09, 3849377.25	9.02E-04	2.85E-07	8.28E-08	9.21E-04	2.91E-07	8.45E-08	9.20E-04	2.90E-07	8.44E-08
3484	490863.09, 3849377.25	8.23E-04	2.60E-07	7.56E-08	8.40E-04	2.65E-07	7.71E-08	8.39E-04	2.65E-07	7.70E-08
3485	491363.09, 3849377.25	7.56E-04	2.39E-07	6.94E-08	7.71E-04	2.43E-07	7.08E-08	7.70E-04	2.43E-07	7.07E-08
3486	491863.09, 3849377.25	6.59E-04	2.08E-07	6.05E-08	6.72E-04	2.12E-07	6.17E-08	6.71E-04	2.12E-07	6.16E-08
3487	492363.09, 3849377.25	5.72E-04	1.80E-07	5.25E-08	5.83E-04	1.84E-07	5.36E-08	5.83E-04	1.84E-07	5.35E-08
3488	492863.09, 3849377.25	4.61E-04	1.46E-07	4.23E-08	4.71E-04	1.49E-07	4.32E-08	4.70E-04	1.48E-07	4.31E-08
3489	493363.09, 3849377.25	4.14E-04	1.31E-07	3.80E-08	4.22E-04	1.33E-07	3.88E-08	4.22E-04	1.33E-07	3.87E-08
3490	493863.09, 3849377.25	3.85E-04	1.22E-07	3.54E-08	3.93E-04	1.24E-07	3.61E-08	3.93E-04	1.24E-07	3.61E-08
3491	494363.09, 3849377.25	3.84E-04	1.21E-07	3.53E-08	3.92E-04	1.24E-07	3.60E-08	3.92E-04	1.24E-07	3.60E-08
3492	494863.09, 3849377.25	4.33E-04	1.37E-07	3.98E-08	4.42E-04	1.40E-07	4.06E-08	4.42E-04	1.39E-07	4.06E-08
3493	495363.09, 3849377.25	4.37E-04	1.38E-07	4.01E-08	4.46E-04	1.41E-07	4.10E-08	4.46E-04	1.41E-07	4.09E-08
3494	495863.09, 3849377.25	3.15E-04	9.93E-08	2.89E-08	3.21E-04	1.01E-07	2.95E-08	3.21E-04	1.01E-07	2.94E-08
3495	496363.09, 3849377.25	2.91E-04	9.19E-08	2.67E-08	2.97E-04	9.38E-08	2.73E-08	2.97E-04	9.37E-08	2.72E-08
3496	496863.09, 3849377.25	4.02E-04	1.27E-07	3.69E-08	4.10E-04	1.29E-07	3.76E-08	4.09E-04	1.29E-07	3.76E-08
3497	497363.09, 3849377.25	4.25E-04	1.34E-07	3.91E-08	4.34E-04	1.37E-07	3.99E-08	4.34E-04	1.37E-07	3.98E-08
3498	497863.09, 3849377.25	5.35E-04	1.69E-07	4.91E-08	5.46E-04	1.72E-07	5.01E-08	5.45E-04	1.72E-07	5.00E-08
3499	498363.09, 3849377.25	4.97E-04	1.57E-07	4.56E-08	5.07E-04	1.60E-07	4.66E-08	5.07E-04	1.60E-07	4.65E-08
3500	471363.09, 3849877.25	8.30E-04	2.62E-07	7.62E-08	8.47E-04	2.67E-07	7.77E-08	8.46E-04	2.67E-07	7.76E-08
3501	471863.09, 3849877.25	1.12E-03	3.55E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.15E-03	3.62E-07	1.05E-07
3502	472363.09, 3849877.25	1.40E-03	4.42E-07	1.29E-07	1.43E-03	4.51E-07	1.31E-07	1.43E-03	4.51E-07	1.31E-07
3503	472863.09, 3849877.25	1.69E-03	5.34E-07	1.55E-07	1.73E-03	5.45E-07	1.58E-07	1.72E-03	5.44E-07	1.58E-07
3504	473363.09, 3849877.25	2.06E-03	6.51E-07	1.89E-07	2.11E-03	6.65E-07	1.93E-07	2.10E-03	6.64E-07	1.93E-07
3505	473863.09, 3849877.25	2.54E-03	8.00E-07	2.33E-07	2.59E-03	8.17E-07	2.38E-07	2.58E-03	8.16E-07	2.37E-07
3506	474363.09, 3849877.25	3.12E-03	9.85E-07	2.87E-07	3.19E-03	1.01E-06	2.92E-07	3.18E-03	1.00E-06	2.92E-07
3507	474863.09, 3849877.25	3.87E-03	1.22E-06	3.55E-07	3.94E-03	1.24E-06	3.62E-07	3.94E-03	1.24E-06	3.62E-07
3508	475363.09, 3849877.25	4.86E-03	1.53E-06	4.46E-07	4.96E-03	1.57E-06	4.55E-07	4.95E-03	1.56E-06	4.55E-07
3509	475863.09, 3849877.25	6.17E-03	1.95E-06	5.67E-07	6.30E-03	1.99E-06	5.78E-07	6.29E-03	1.99E-06	5.78E-07
3510	476363.09, 3849877.25	8.07E-03	2.55E-06	7.40E-07	8.23E-03	2.60E-06	7.56E-07	8.22E-03	2.59E-06	7.55E-07
3511	476863.09, 3849877.25	1.14E-02	3.61E-06	1.05E-06	1.17E-02	3.68E-06	1.07E-06	1.17E-02	3.68E-06	1.07E-06
3512	477363.09, 3849877.25	2.15E-02	6.79E-06	1.98E-06	2.20E-02	6.93E-06	2.02E-06	2.19E-02	6.92E-06	2.01E-06
3513	477863.09, 3849877.25	7.94E-02	2.51E-05	7.29E-06	8.10E-02	2.56E-05	7.44E-06	8.09E-02	2.55E-05	7.43E-06
3514	478363.09, 3849877.25	2.87E-02	9.05E-06	2.63E-06	2.93E-02	9.24E-06	2.69E-06	2.92E-02	9.23E-06	2.68E-06
3515	478863.09, 3849877.25	1.85E-02	5.85E-06	1.70E-06	1.89E-02	5.97E-06	1.74E-06	1.89E-02	5.96E-06	1.73E-06
3516	479363.09, 3849877.25	1.29E-02	4.07E-06	1.18E-06	1.31E-02	4.15E-06	1.21E-06	1.31E-02	4.14E-06	1.21E-06
3517	479863.09, 3849877.25	1.03E-02	3.25E-06	9.44E-07	1.05E-02	3.31E-06	9.63E-07	1.05E-02	3.31E-06	9.62E-07
3518	480363.09, 3849877.25	7.53E-03	2.38E-06	6.92E-07	7.69E-03	2.43E-06	7.06E-07	7.68E-03	2.42E-06	7.05E-07
3519	480863.09, 3849877.25	5.82E-03	1.84E-06	5.34E-07	5.94E-03	1.87E-06	5.45E-07	5.93E-03	1.87E-06	5.45E-07
3520	481363.09, 3849877.25	4.79E-03	1.51E-06	4.39E-07	4.88E-03	1.54E-06	4.48E-07	4.88E-03	1.54E-06	4.48E-07
3521	481863.09, 3849877.25	3.25E-03	1.03E-06	2.98E-07	3.32E-03	1.05E-06	3.04E-07	3.31E-03	1.05E-06	3.04E-07
3522	482363.09, 3849877.25	2.61E-03	8.22E-07	2.39E-07	2.66E-03	8.39E-07	2.44E-07	2.66E-03	8.38E-07	2.44E-07
3523	482863.09, 3849877.25	2.17E-03	6.85E-07	1.99E-07	2.22E-03	6.99E-07	2.03E-07	2.21E-03	6.99E-07	2.03E-07
3524	483363.09, 3849877.25	1.81E-03	5.71E-07	1.66E-07	1.84E-03	5.82E-07	1.69E-07	1.84E-03	5.82E-07	1.69E-07
3525	483863.09, 3849877.25	1.71E-03	5.38E-07	1.57E-07	1.74E-03	5.49E-07	1.60E-07	1.74E-03	5.49E-07	1.60E-07
3526	484363.09, 3849877.25	2.11E-03	6.66E-07	1.94E-07	2.15E-03	6.79E-07	1.98E-07	2.15E-03	6.79E-07	1.97E-07
3527	484863.09, 3849877.25	2.44E-03	7.69E-07	2.24E-07	2.49E-03	7.85E-07	2.28E-07	2.48E-03	7.84E-07	2.28E-07
3528	485363.09, 3849877.25	2.19E-03	6.92E-07	2.01E-07	2.24E-03	7.06E-07	2.05E-07	2.24E-03	7.06E-07	2.05E-07
3529	485863.09, 3849877.25	1.86E-03	5.88E-07	1.71E-07	1.90E-03	6.00E-07	1.75E-07	1.90E-03	5.99E-07	1.74E-07
3530	486363.09, 3849877.25	1.67E-03	5.28E-07	1.54E-07	1.71E-03	5.39E-07	1.57E-07	1.70E-03	5.38E-07	1.56E-07

3531	486863.09, 3849877.25	1.70E-03	5.36E-07	1.56E-07	1.73E-03	5.47E-07	1.59E-07	1.73E-03	5.46E-07	1.59E-07
3532	487363.09, 3849877.25	1.60E-03	5.05E-07	1.47E-07	1.63E-03	5.15E-07	1.50E-07	1.63E-03	5.14E-07	1.50E-07
3533	487863.09, 3849877.25	1.48E-03	4.67E-07	1.36E-07	1.51E-03	4.77E-07	1.39E-07	1.51E-03	4.76E-07	1.39E-07
3534	488363.09, 3849877.25	1.39E-03	4.37E-07	1.27E-07	1.41E-03	4.46E-07	1.30E-07	1.41E-03	4.46E-07	1.30E-07
3535	488863.09, 3849877.25	1.31E-03	4.12E-07	1.20E-07	1.33E-03	4.21E-07	1.22E-07	1.33E-03	4.20E-07	1.22E-07
3536	489363.09, 3849877.25	1.22E-03	3.84E-07	1.12E-07	1.24E-03	3.92E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
3537	489863.09, 3849877.25	1.11E-03	3.51E-07	1.02E-07	1.13E-03	3.58E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
3538	490363.09, 3849877.25	9.98E-04	3.15E-07	9.16E-08	1.02E-03	3.21E-07	9.35E-08	1.02E-03	3.21E-07	9.34E-08
3539	490863.09, 3849877.25	9.15E-04	2.89E-07	8.40E-08	9.34E-04	2.95E-07	8.57E-08	9.33E-04	2.94E-07	8.56E-08
3540	491363.09, 3849877.25	8.34E-04	2.63E-07	7.66E-08	8.51E-04	2.69E-07	7.81E-08	8.50E-04	2.68E-07	7.80E-08
3541	491863.09, 3849877.25	7.28E-04	2.30E-07	6.68E-08	7.43E-04	2.34E-07	6.82E-08	7.42E-04	2.34E-07	6.81E-08
3542	492363.09, 3849877.25	6.39E-04	2.02E-07	5.87E-08	6.52E-04	2.06E-07	5.99E-08	6.51E-04	2.06E-07	5.98E-08
3543	492863.09, 3849877.25	5.38E-04	1.70E-07	4.94E-08	5.49E-04	1.73E-07	5.04E-08	5.49E-04	1.73E-07	5.04E-08
3544	493363.09, 3849877.25	4.54E-04	1.43E-07	4.17E-08	4.64E-04	1.46E-07	4.26E-08	4.63E-04	1.46E-07	4.25E-08
3545	493863.09, 3849877.25	4.03E-04	1.27E-07	3.70E-08	4.11E-04	1.30E-07	3.78E-08	4.11E-04	1.30E-07	3.77E-08
3546	494363.09, 3849877.25	4.82E-04	1.52E-07	4.42E-08	4.92E-04	1.55E-07	4.51E-08	4.91E-04	1.55E-07	4.51E-08
3547	494863.09, 3849877.25	5.25E-04	1.66E-07	4.82E-08	5.36E-04	1.69E-07	4.92E-08	5.35E-04	1.69E-07	4.91E-08
3548	495363.09, 3849877.25	4.27E-04	1.35E-07	3.92E-08	4.36E-04	1.38E-07	4.00E-08	4.35E-04	1.37E-07	4.00E-08
3549	495863.09, 3849877.25	4.78E-04	1.51E-07	4.39E-08	4.88E-04	1.54E-07	4.48E-08	4.87E-04	1.54E-07	4.47E-08
3550	496363.09, 3849877.25	4.81E-04	1.52E-07	4.42E-08	4.91E-04	1.55E-07	4.51E-08	4.91E-04	1.55E-07	4.51E-08
3551	496863.09, 3849877.25	4.77E-04	1.51E-07	4.38E-08	4.87E-04	1.54E-07	4.47E-08	4.87E-04	1.54E-07	4.47E-08
3552	497363.09, 3849877.25	5.47E-04	1.73E-07	5.03E-08	5.59E-04	1.76E-07	5.13E-08	5.58E-04	1.76E-07	5.12E-08
3553	497863.09, 3849877.25	5.56E-04	1.75E-07	5.10E-08	5.67E-04	1.79E-07	5.21E-08	5.66E-04	1.79E-07	5.20E-08
3554	498363.09, 3849877.25	5.17E-04	1.63E-07	4.74E-08	5.27E-04	1.66E-07	4.84E-08	5.26E-04	1.66E-07	4.83E-08
3555	471363.09, 3850377.25	4.38E-04	1.38E-07	4.02E-08	4.47E-04	1.41E-07	4.10E-08	4.46E-04	1.41E-07	4.09E-08
3556	471863.09, 3850377.25	8.31E-04	2.62E-07	7.63E-08	8.48E-04	2.68E-07	7.79E-08	8.47E-04	2.67E-07	7.78E-08
3557	472363.09, 3850377.25	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.56E-07	1.04E-07
3558	472863.09, 3850377.25	1.49E-03	4.69E-07	1.37E-07	1.52E-03	4.79E-07	1.39E-07	1.52E-03	4.78E-07	1.39E-07
3559	473363.09, 3850377.25	1.76E-03	5.55E-07	1.61E-07	1.79E-03	5.66E-07	1.65E-07	1.79E-03	5.65E-07	1.64E-07
3560	473863.09, 3850377.25	2.07E-03	6.53E-07	1.90E-07	2.11E-03	6.67E-07	1.94E-07	2.11E-03	6.66E-07	1.94E-07
3561	474363.09, 3850377.25	2.40E-03	7.59E-07	2.21E-07	2.45E-03	7.74E-07	2.25E-07	2.45E-03	7.73E-07	2.25E-07
3562	474863.09, 3850377.25	2.81E-03	8.88E-07	2.58E-07	2.87E-03	9.06E-07	2.63E-07	2.87E-03	9.05E-07	2.63E-07
3563	475363.09, 3850377.25	3.28E-03	1.04E-06	3.01E-07	3.35E-03	1.06E-06	3.08E-07	3.35E-03	1.06E-06	3.07E-07
3564	475863.09, 3850377.25	3.90E-03	1.23E-06	3.58E-07	3.98E-03	1.26E-06	3.65E-07	3.98E-03	1.26E-06	3.65E-07
3565	476363.09, 3850377.25	4.76E-03	1.50E-06	4.37E-07	4.86E-03	1.53E-06	4.46E-07	4.85E-03	1.53E-06	4.45E-07
3566	476863.09, 3850377.25	5.90E-03	1.86E-06	5.42E-07	6.02E-03	1.90E-06	5.53E-07	6.01E-03	1.90E-06	5.52E-07
3567	477363.09, 3850377.25	7.51E-03	2.37E-06	6.90E-07	7.67E-03	2.42E-06	7.04E-07	7.66E-03	2.42E-06	7.03E-07
3568	477863.09, 3850377.25	1.08E-02	3.42E-06	9.94E-07	1.11E-02	3.49E-06	1.01E-06	1.10E-02	3.48E-06	1.01E-06
3569	478363.09, 3850377.25	2.14E-02	6.74E-06	1.96E-06	2.18E-02	6.88E-06	2.00E-06	2.18E-02	6.87E-06	2.00E-06
3570	478863.09, 3850377.25	8.73E-02	2.76E-05	8.02E-06	8.91E-02	2.81E-05	8.18E-06	8.90E-02	2.81E-05	8.17E-06
3571	479363.09, 3850377.25	3.02E-02	9.52E-06	2.77E-06	3.08E-02	9.71E-06	2.83E-06	3.07E-02	9.70E-06	2.82E-06
3572	479863.09, 3850377.25	1.80E-02	5.69E-06	1.65E-06	1.84E-02	5.81E-06	1.69E-06	1.84E-02	5.80E-06	1.69E-06
3573	480363.09, 3850377.25	1.26E-02	3.96E-06	1.15E-06	1.28E-02	4.04E-06	1.18E-06	1.28E-02	4.04E-06	1.17E-06
3574	480863.09, 3850377.25	1.00E-02	3.16E-06	9.20E-07	1.02E-02	3.23E-06	9.39E-07	1.02E-02	3.22E-06	9.38E-07
3575	481363.09, 3850377.25	6.30E-03	1.99E-06	5.79E-07	6.43E-03	2.03E-06	5.91E-07	6.43E-03	2.03E-06	5.90E-07
3576	481863.09, 3850377.25	5.32E-03	1.68E-06	4.88E-07	5.43E-03	1.71E-06	4.98E-07	5.42E-03	1.71E-06	4.98E-07
3577	482363.09, 3850377.25	4.49E-03	1.42E-06	4.12E-07	4.58E-03	1.45E-06	4.21E-07	4.58E-03	1.45E-06	4.20E-07
3578	482863.09, 3850377.25	3.22E-03	1.02E-06	2.96E-07	3.29E-03	1.04E-06	3.02E-07	3.29E-03	1.04E-06	3.02E-07
3579	483363.09, 3850377.25	2.55E-03	8.04E-07	2.34E-07	2.60E-03	8.20E-07	2.39E-07	2.60E-03	8.19E-07	2.38E-07
3580	483863.09, 3850377.25	2.56E-03	8.07E-07	2.35E-07	2.61E-03	8.23E-07	2.39E-07	2.61E-03	8.22E-07	2.39E-07
3581	484363.09, 3850377.25	2.74E-03	8.63E-07	2.51E-07	2.79E-03	8.81E-07	2.56E-07	2.79E-03	8.80E-07	2.56E-07
3582	484863.09, 3850377.25	2.86E-03	9.03E-07	2.63E-07	2.92E-03	9.21E-07	2.68E-07	2.92E-03	9.20E-07	2.68E-07
3583	485363.09, 3850377.25	2.65E-03	8.36E-07	2.43E-07	2.70E-03	8.53E-07	2.48E-07	2.70E-03	8.52E-07	2.48E-07
3584	485863.09, 3850377.25	2.33E-03	7.36E-07	2.14E-07	2.38E-03	7.51E-07	2.18E-07	2.38E-03	7.50E-07	2.18E-07
3585	486363.09, 3850377.25	2.17E-03	6.84E-07	1.99E-07	2.21E-03	6.98E-07	2.03E-07	2.21E-03	6.97E-07	2.03E-07
3586	486863.09, 3850377.25	2.02E-03	6.38E-07	1.86E-07	2.06E-03	6.51E-07	1.89E-07	2.06E-03	6.50E-07	1.89E-07
3587	487363.09, 3850377.25	1.83E-03	5.78E-07	1.68E-07	1.87E-03	5.90E-07	1.72E-07	1.87E-03	5.89E-07	1.71E-07
3588	487863.09, 3850377.25	1.71E-03	5.39E-07	1.57E-07	1.74E-03	5.50E-07	1.60E-07	1.74E-03	5.49E-07	1.60E-07
3589	488363.09, 3850377.25	1.58E-03	4.98E-07	1.45E-07	1.61E-03	5.08E-07	1.48E-07	1.61E-03	5.08E-07	1.48E-07
3590	488863.09, 3850377.25	1.47E-03	4.63E-07	1.35E-07	1.50E-03	4.72E-07	1.37E-07	1.49E-03	4.71E-07	1.37E-07
3591	489363.09, 3850377.25	1.35E-03	4.27E-07	1.24E-07	1.38E-03	4.35E-07	1.27E-07	1.38E-03	4.35E-07	1.26E-07
3592	489863.09, 3850377.25	1.22E-03	3.84E-07	1.12E-07	1.24E-03	3.92E-07	1.14E-07	1.24E-03	3.92E-07	1.14E-07

3593	490363.09, 3850377.25	1.10E-03	3.48E-07	1.01E-07	1.13E-03	3.55E-07	1.03E-07	1.12E-03	3.55E-07	1.03E-07
3594	490863.09, 3850377.25	1.01E-03	3.18E-07	9.24E-08	1.03E-03	3.24E-07	9.42E-08	1.03E-03	3.24E-07	9.41E-08
3595	491363.09, 3850377.25	9.12E-04	2.88E-07	8.37E-08	9.30E-04	2.94E-07	8.54E-08	9.29E-04	2.93E-07	8.53E-08
3596	491863.09, 3850377.25	7.92E-04	2.50E-07	7.27E-08	8.08E-04	2.55E-07	7.42E-08	8.07E-04	2.55E-07	7.41E-08
3597	492363.09, 3850377.25	6.75E-04	2.13E-07	6.20E-08	6.89E-04	2.18E-07	6.33E-08	6.88E-04	2.17E-07	6.32E-08
3598	492863.09, 3850377.25	5.98E-04	1.89E-07	5.49E-08	6.10E-04	1.93E-07	5.60E-08	6.09E-04	1.92E-07	5.59E-08
3599	493363.09, 3850377.25	5.11E-04	1.61E-07	4.69E-08	5.22E-04	1.65E-07	4.79E-08	5.21E-04	1.64E-07	4.78E-08
3600	493863.09, 3850377.25	5.29E-04	1.67E-07	4.85E-08	5.39E-04	1.70E-07	4.95E-08	5.39E-04	1.70E-07	4.95E-08
3601	494363.09, 3850377.25	5.33E-04	1.68E-07	4.90E-08	5.44E-04	1.72E-07	5.00E-08	5.44E-04	1.72E-07	4.99E-08
3602	494863.09, 3850377.25	5.66E-04	1.79E-07	5.20E-08	5.78E-04	1.82E-07	5.31E-08	5.77E-04	1.82E-07	5.30E-08
3603	495363.09, 3850377.25	6.08E-04	1.92E-07	5.58E-08	6.20E-04	1.96E-07	5.69E-08	6.19E-04	1.95E-07	5.69E-08
3604	495863.09, 3850377.25	5.46E-04	1.72E-07	5.01E-08	5.57E-04	1.76E-07	5.11E-08	5.56E-04	1.76E-07	5.11E-08
3605	496363.09, 3850377.25	5.83E-04	1.84E-07	5.35E-08	5.94E-04	1.88E-07	5.46E-08	5.94E-04	1.87E-07	5.45E-08
3606	496863.09, 3850377.25	6.08E-04	1.92E-07	5.59E-08	6.21E-04	1.96E-07	5.70E-08	6.20E-04	1.96E-07	5.69E-08
3607	497363.09, 3850377.25	6.02E-04	1.90E-07	5.53E-08	6.14E-04	1.94E-07	5.64E-08	6.14E-04	1.94E-07	5.63E-08
3608	497863.09, 3850377.25	5.72E-04	1.81E-07	5.25E-08	5.84E-04	1.84E-07	5.36E-08	5.83E-04	1.84E-07	5.35E-08
3609	498363.09, 3850377.25	5.43E-04	1.71E-07	4.98E-08	5.54E-04	1.75E-07	5.08E-08	5.53E-04	1.75E-07	5.08E-08
3610	471363.09, 3850877.25	5.37E-04	1.69E-07	4.93E-08	5.48E-04	1.73E-07	5.03E-08	5.47E-04	1.73E-07	5.02E-08
3611	471863.09, 3850877.25	7.13E-04	2.25E-07	6.55E-08	7.28E-04	2.30E-07	6.68E-08	7.27E-04	2.29E-07	6.67E-08
3612	472363.09, 3850877.25	9.85E-04	3.11E-07	9.04E-08	1.00E-03	3.17E-07	9.23E-08	1.00E-03	3.17E-07	9.21E-08
3613	472863.09, 3850877.25	1.25E-03	3.95E-07	1.15E-07	1.28E-03	4.03E-07	1.17E-07	1.27E-03	4.02E-07	1.17E-07
3614	473363.09, 3850877.25	1.34E-03	4.24E-07	1.23E-07	1.37E-03	4.32E-07	1.26E-07	1.37E-03	4.32E-07	1.26E-07
3615	473863.09, 3850877.25	1.67E-03	5.27E-07	1.53E-07	1.71E-03	5.38E-07	1.57E-07	1.70E-03	5.38E-07	1.56E-07
3616	474363.09, 3850877.25	1.96E-03	6.18E-07	1.80E-07	2.00E-03	6.30E-07	1.83E-07	1.99E-03	6.29E-07	1.83E-07
3617	474863.09, 3850877.25	2.22E-03	7.01E-07	2.04E-07	2.27E-03	7.16E-07	2.08E-07	2.26E-03	7.15E-07	2.08E-07
3618	475363.09, 3850877.25	2.52E-03	7.96E-07	2.32E-07	2.57E-03	8.12E-07	2.36E-07	2.57E-03	8.11E-07	2.36E-07
3619	475863.09, 3850877.25	2.87E-03	9.07E-07	2.64E-07	2.93E-03	9.25E-07	2.69E-07	2.93E-03	9.24E-07	2.69E-07
3620	476363.09, 3850877.25	3.33E-03	1.05E-06	3.06E-07	3.40E-03	1.07E-06	3.12E-07	3.40E-03	1.07E-06	3.12E-07
3621	476863.09, 3850877.25	3.93E-03	1.24E-06	3.60E-07	4.01E-03	1.26E-06	3.68E-07	4.00E-03	1.26E-06	3.67E-07
3622	477363.09, 3850877.25	4.68E-03	1.48E-06	4.30E-07	4.78E-03	1.51E-06	4.39E-07	4.77E-03	1.51E-06	4.38E-07
3623	477863.09, 3850877.25	5.67E-03	1.79E-06	5.21E-07	5.79E-03	1.83E-06	5.32E-07	5.78E-03	1.83E-06	5.31E-07
3624	478363.09, 3850877.25	7.36E-03	2.32E-06	6.76E-07	7.51E-03	2.37E-06	6.90E-07	7.50E-03	2.37E-06	6.89E-07
3625	478863.09, 3850877.25	1.04E-02	3.27E-06	9.52E-07	1.06E-02	3.34E-06	9.72E-07	1.06E-02	3.34E-06	9.70E-07
3626	479363.09, 3850877.25	1.88E-02	5.95E-06	1.73E-06	1.92E-02	6.07E-06	1.77E-06	1.92E-02	6.06E-06	1.76E-06
3627	479863.09, 3850877.25	1.09E-01	3.43E-05	9.98E-06	1.11E-01	3.50E-05	1.02E-05	1.11E-01	3.50E-05	1.02E-05
3628	480363.09, 3850877.25	3.14E-02	9.90E-06	2.88E-06	3.20E-02	1.01E-05	2.94E-06	3.20E-02	1.01E-05	2.94E-06
3629	480863.09, 3850877.25	1.85E-02	5.84E-06	1.70E-06	1.89E-02	5.96E-06	1.73E-06	1.89E-02	5.95E-06	1.73E-06
3630	481363.09, 3850877.25	1.27E-02	4.02E-06	1.17E-06	1.30E-02	4.10E-06	1.19E-06	1.30E-02	4.09E-06	1.19E-06
3631	481863.09, 3850877.25	8.97E-03	2.83E-06	8.23E-07	9.15E-03	2.89E-06	8.40E-07	9.14E-03	2.88E-06	8.39E-07
3632	482363.09, 3850877.25	6.25E-03	1.97E-06	5.74E-07	6.38E-03	2.01E-06	5.85E-07	6.37E-03	2.01E-06	5.85E-07
3633	482863.09, 3850877.25	4.87E-03	1.54E-06	4.47E-07	4.97E-03	1.57E-06	4.56E-07	4.96E-03	1.57E-06	4.56E-07
3634	483363.09, 3850877.25	3.75E-03	1.18E-06	3.45E-07	3.83E-03	1.21E-06	3.52E-07	3.82E-03	1.21E-06	3.51E-07
3635	483863.09, 3850877.25	3.39E-03	1.07E-06	3.12E-07	3.46E-03	1.09E-06	3.18E-07	3.46E-03	1.09E-06	3.18E-07
3636	484363.09, 3850877.25	3.47E-03	1.10E-06	3.19E-07	3.54E-03	1.12E-06	3.25E-07	3.54E-03	1.12E-06	3.25E-07
3637	484863.09, 3850877.25	3.22E-03	1.02E-06	2.96E-07	3.29E-03	1.04E-06	3.02E-07	3.29E-03	1.04E-06	3.02E-07
3638	485363.09, 3850877.25	3.05E-03	9.62E-07	2.80E-07	3.11E-03	9.82E-07	2.86E-07	3.11E-03	9.81E-07	2.85E-07
3639	485863.09, 3850877.25	2.62E-03	8.27E-07	2.41E-07	2.67E-03	8.44E-07	2.46E-07	2.67E-03	8.43E-07	2.45E-07
3640	486363.09, 3850877.25	2.50E-03	7.90E-07	2.30E-07	2.55E-03	8.06E-07	2.34E-07	2.55E-03	8.05E-07	2.34E-07
3641	486863.09, 3850877.25	2.30E-03	7.25E-07	2.11E-07	2.34E-03	7.40E-07	2.15E-07	2.34E-03	7.39E-07	2.15E-07
3642	487363.09, 3850877.25	2.06E-03	6.50E-07	1.89E-07	2.10E-03	6.63E-07	1.93E-07	2.10E-03	6.62E-07	1.93E-07
3643	487863.09, 3850877.25	1.89E-03	5.98E-07	1.74E-07	1.93E-03	6.10E-07	1.77E-07	1.93E-03	6.09E-07	1.77E-07
3644	488363.09, 3850877.25	1.75E-03	5.52E-07	1.60E-07	1.78E-03	5.63E-07	1.64E-07	1.78E-03	5.62E-07	1.64E-07
3645	488863.09, 3850877.25	1.60E-03	5.05E-07	1.47E-07	1.63E-03	5.15E-07	1.50E-07	1.63E-03	5.15E-07	1.50E-07
3646	489363.09, 3850877.25	1.47E-03	4.64E-07	1.35E-07	1.50E-03	4.73E-07	1.38E-07	1.50E-03	4.73E-07	1.37E-07
3647	489863.09, 3850877.25	1.33E-03	4.21E-07	1.22E-07	1.36E-03	4.29E-07	1.25E-07	1.36E-03	4.29E-07	1.25E-07
3648	490363.09, 3850877.25	1.22E-03	3.85E-07	1.12E-07	1.25E-03	3.93E-07	1.14E-07	1.24E-03	3.93E-07	1.14E-07
3649	490863.09, 3850877.25	1.11E-03	3.51E-07	1.02E-07	1.13E-03	3.58E-07	1.04E-07	1.13E-03	3.58E-07	1.04E-07
3650	491363.09, 3850877.25	9.88E-04	3.12E-07	9.07E-08	1.01E-03	3.18E-07	9.26E-08	1.01E-03	3.18E-07	9.25E-08
3651	491863.09, 3850877.25	8.68E-04	2.74E-07	7.97E-08	8.86E-04	2.80E-07	8.13E-08	8.85E-04	2.79E-07	8.13E-08
3652	492363.09, 3850877.25	7.64E-04	2.41E-07	7.01E-08	7.80E-04	2.46E-07	7.16E-08	7.79E-04	2.46E-07	7.15E-08
3653	492863.09, 3850877.25	6.85E-04	2.16E-07	6.29E-08	6.99E-04	2.21E-07	6.42E-08	6.99E-04	2.20E-07	6.41E-08
3654	493363.09, 3850877.25	6.36E-04	2.01E-07	5.84E-08	6.49E-04	2.05E-07	5.96E-08	6.48E-04	2.05E-07	5.95E-08

3655	493863.09, 3850877.25	6.52E-04	2.06E-07	5.98E-08	6.65E-04	2.10E-07	6.11E-08	6.64E-04	2.10E-07	6.10E-08
3656	494363.09, 3850877.25	6.33E-04	2.00E-07	5.81E-08	6.46E-04	2.04E-07	5.93E-08	6.45E-04	2.04E-07	5.93E-08
3657	494863.09, 3850877.25	6.54E-04	2.06E-07	6.00E-08	6.67E-04	2.11E-07	6.13E-08	6.66E-04	2.10E-07	6.12E-08
3658	495363.09, 3850877.25	6.75E-04	2.13E-07	6.20E-08	6.89E-04	2.18E-07	6.33E-08	6.88E-04	2.17E-07	6.32E-08
3659	495863.09, 3850877.25	6.48E-04	2.04E-07	5.95E-08	6.61E-04	2.09E-07	6.07E-08	6.60E-04	2.08E-07	6.06E-08
3660	496363.09, 3850877.25	6.42E-04	2.03E-07	5.89E-08	6.55E-04	2.07E-07	6.01E-08	6.54E-04	2.06E-07	6.00E-08
3661	496863.09, 3850877.25	6.54E-04	2.06E-07	6.00E-08	6.67E-04	2.10E-07	6.12E-08	6.66E-04	2.10E-07	6.12E-08
3662	497363.09, 3850877.25	6.26E-04	1.97E-07	5.74E-08	6.38E-04	2.01E-07	5.86E-08	6.38E-04	2.01E-07	5.85E-08
3663	497863.09, 3850877.25	5.89E-04	1.86E-07	5.41E-08	6.01E-04	1.90E-07	5.52E-08	6.00E-04	1.89E-07	5.51E-08
3664	498363.09, 3850877.25	5.54E-04	1.75E-07	5.08E-08	5.65E-04	1.78E-07	5.19E-08	5.64E-04	1.78E-07	5.18E-08
3665	471363.09, 3851377.25	5.25E-04	1.66E-07	4.82E-08	5.36E-04	1.69E-07	4.92E-08	5.35E-04	1.69E-07	4.91E-08
3666	471863.09, 3851377.25	7.67E-04	2.42E-07	7.04E-08	7.82E-04	2.47E-07	7.18E-08	7.81E-04	2.47E-07	7.17E-08
3667	472363.09, 3851377.25	8.50E-04	2.68E-07	7.80E-08	8.67E-04	2.74E-07	7.96E-08	8.66E-04	2.73E-07	7.95E-08
3668	472863.09, 3851377.25	9.47E-04	2.99E-07	8.69E-08	9.66E-04	3.05E-07	8.87E-08	9.65E-04	3.05E-07	8.86E-08
3669	473363.09, 3851377.25	8.96E-04	2.83E-07	8.23E-08	9.14E-04	2.89E-07	8.39E-08	9.13E-04	2.88E-07	8.38E-08
3670	473863.09, 3851377.25	1.07E-03	3.37E-07	9.80E-08	1.09E-03	3.44E-07	1.00E-07	1.09E-03	3.43E-07	9.98E-08
3671	474363.09, 3851377.25	1.47E-03	4.65E-07	1.35E-07	1.50E-03	4.75E-07	1.38E-07	1.50E-03	4.74E-07	1.38E-07
3672	474863.09, 3851377.25	1.79E-03	5.66E-07	1.65E-07	1.83E-03	5.78E-07	1.68E-07	1.83E-03	5.77E-07	1.68E-07
3673	475363.09, 3851377.25	2.04E-03	6.44E-07	1.87E-07	2.08E-03	6.57E-07	1.91E-07	2.08E-03	6.56E-07	1.91E-07
3674	475863.09, 3851377.25	2.29E-03	7.22E-07	2.10E-07	2.33E-03	7.36E-07	2.14E-07	2.33E-03	7.35E-07	2.14E-07
3675	476363.09, 3851377.25	2.59E-03	8.16E-07	2.37E-07	2.64E-03	8.33E-07	2.42E-07	2.64E-03	8.32E-07	2.42E-07
3676	476863.09, 3851377.25	2.96E-03	9.33E-07	2.71E-07	3.02E-03	9.52E-07	2.77E-07	3.01E-03	9.51E-07	2.77E-07
3677	477363.09, 3851377.25	3.38E-03	1.07E-06	3.11E-07	3.45E-03	1.09E-06	3.17E-07	3.45E-03	1.09E-06	3.17E-07
3678	477863.09, 3851377.25	3.94E-03	1.24E-06	3.62E-07	4.02E-03	1.27E-06	3.69E-07	4.01E-03	1.27E-06	3.68E-07
3679	478363.09, 3851377.25	4.67E-03	1.48E-06	4.29E-07	4.77E-03	1.51E-06	4.38E-07	4.76E-03	1.50E-06	4.37E-07
3680	478863.09, 3851377.25	5.68E-03	1.79E-06	5.21E-07	5.80E-03	1.83E-06	5.32E-07	5.79E-03	1.83E-06	5.31E-07
3681	479363.09, 3851377.25	7.31E-03	2.31E-06	6.71E-07	7.46E-03	2.35E-06	6.85E-07	7.45E-03	2.35E-06	6.84E-07
3682	479863.09, 3851377.25	1.02E-02	3.22E-06	9.37E-07	1.04E-02	3.29E-06	9.57E-07	1.04E-02	3.28E-06	9.55E-07
3683	480363.09, 3851377.25	1.83E-02	5.78E-06	1.68E-06	1.87E-02	5.90E-06	1.72E-06	1.87E-02	5.89E-06	1.71E-06
3684	480863.09, 3851377.25	9.06E-02	2.86E-05	8.31E-06	9.24E-02	2.92E-05	8.48E-06	9.23E-02	2.91E-05	8.47E-06
3685	481363.09, 3851377.25	2.95E-02	9.29E-06	2.70E-06	3.01E-02	9.48E-06	2.76E-06	3.00E-02	9.47E-06	2.76E-06
3686	481863.09, 3851377.25	1.51E-02	4.76E-06	1.39E-06	1.54E-02	4.86E-06	1.41E-06	1.54E-02	4.85E-06	1.41E-06
3687	482363.09, 3851377.25	9.97E-03	3.15E-06	9.16E-07	1.02E-02	3.21E-06	9.34E-07	1.02E-02	3.21E-06	9.33E-07
3688	482863.09, 3851377.25	6.66E-03	2.10E-06	6.11E-07	6.80E-03	2.15E-06	6.24E-07	6.79E-03	2.14E-06	6.23E-07
3689	483363.09, 3851377.25	4.81E-03	1.52E-06	4.42E-07	4.91E-03	1.55E-06	4.51E-07	4.91E-03	1.55E-06	4.50E-07
3690	483863.09, 3851377.25	4.02E-03	1.27E-06	3.69E-07	4.10E-03	1.29E-06	3.76E-07	4.09E-03	1.29E-06	3.76E-07
3691	484363.09, 3851377.25	4.21E-03	1.33E-06	3.86E-07	4.30E-03	1.36E-06	3.94E-07	4.29E-03	1.35E-06	3.94E-07
3692	484863.09, 3851377.25	3.26E-03	1.03E-06	3.00E-07	3.33E-03	1.05E-06	3.06E-07	3.33E-03	1.05E-06	3.05E-07
3693	485363.09, 3851377.25	3.46E-03	1.09E-06	3.18E-07	3.53E-03	1.11E-06	3.24E-07	3.53E-03	1.11E-06	3.24E-07
3694	485863.09, 3851377.25	2.92E-03	9.21E-07	2.68E-07	2.98E-03	9.40E-07	2.73E-07	2.97E-03	9.39E-07	2.73E-07
3695	486363.09, 3851377.25	2.80E-03	8.85E-07	2.57E-07	2.86E-03	9.03E-07	2.63E-07	2.86E-03	9.02E-07	2.62E-07
3696	486863.09, 3851377.25	2.51E-03	7.93E-07	2.31E-07	2.56E-03	8.09E-07	2.35E-07	2.56E-03	8.09E-07	2.35E-07
3697	487363.09, 3851377.25	2.12E-03	6.69E-07	1.95E-07	2.16E-03	6.83E-07	1.99E-07	2.16E-03	6.82E-07	1.98E-07
3698	487863.09, 3851377.25	2.04E-03	6.43E-07	1.87E-07	2.08E-03	6.56E-07	1.91E-07	2.08E-03	6.56E-07	1.91E-07
3699	488363.09, 3851377.25	1.89E-03	5.95E-07	1.73E-07	1.92E-03	6.08E-07	1.77E-07	1.92E-03	6.07E-07	1.77E-07
3700	488863.09, 3851377.25	1.72E-03	5.42E-07	1.58E-07	1.75E-03	5.53E-07	1.61E-07	1.75E-03	5.53E-07	1.61E-07
3701	489363.09, 3851377.25	1.57E-03	4.94E-07	1.44E-07	1.60E-03	5.04E-07	1.47E-07	1.60E-03	5.04E-07	1.47E-07
3702	489863.09, 3851377.25	1.42E-03	4.48E-07	1.30E-07	1.45E-03	4.57E-07	1.33E-07	1.45E-03	4.57E-07	1.33E-07
3703	490363.09, 3851377.25	1.29E-03	4.08E-07	1.19E-07	1.32E-03	4.17E-07	1.21E-07	1.32E-03	4.16E-07	1.21E-07
3704	490863.09, 3851377.25	1.17E-03	3.70E-07	1.08E-07	1.19E-03	3.77E-07	1.10E-07	1.19E-03	3.77E-07	1.10E-07
3705	491363.09, 3851377.25	1.04E-03	3.28E-07	9.53E-08	1.06E-03	3.34E-07	9.72E-08	1.06E-03	3.34E-07	9.71E-08
3706	491863.09, 3851377.25	9.28E-04	2.93E-07	8.52E-08	9.47E-04	2.99E-07	8.69E-08	9.45E-04	2.98E-07	8.68E-08
3707	492363.09, 3851377.25	8.44E-04	2.66E-07	7.75E-08	8.61E-04	2.72E-07	7.91E-08	8.60E-04	2.71E-07	7.90E-08
3708	492863.09, 3851377.25	7.56E-04	2.39E-07	6.94E-08	7.72E-04	2.44E-07	7.08E-08	7.71E-04	2.43E-07	7.07E-08
3709	493363.09, 3851377.25	6.19E-04	1.95E-07	5.69E-08	6.32E-04	1.99E-07	5.80E-08	6.31E-04	1.99E-07	5.80E-08
3710	493863.09, 3851377.25	6.34E-04	2.00E-07	5.82E-08	6.46E-04	2.04E-07	5.93E-08	6.46E-04	2.04E-07	5.93E-08
3711	494363.09, 3851377.25	7.06E-04	2.23E-07	6.48E-08	7.21E-04	2.27E-07	6.62E-08	7.20E-04	2.27E-07	6.61E-08
3712	494863.09, 3851377.25	6.86E-04	2.17E-07	6.30E-08	7.00E-04	2.21E-07	6.43E-08	6.99E-04	2.21E-07	6.42E-08
3713	495363.09, 3851377.25	7.38E-04	2.33E-07	6.77E-08	7.53E-04	2.38E-07	6.91E-08	7.52E-04	2.37E-07	6.90E-08
3714	495863.09, 3851377.25	7.28E-04	2.30E-07	6.68E-08	7.42E-04	2.34E-07	6.82E-08	7.42E-04	2.34E-07	6.81E-08
3715	496363.09, 3851377.25	7.04E-04	2.22E-07	6.46E-08	7.18E-04	2.27E-07	6.59E-08	7.17E-04	2.26E-07	6.59E-08
3716	496863.09, 3851377.25	6.73E-04	2.12E-07	6.18E-08	6.87E-04	2.17E-07	6.30E-08	6.86E-04	2.16E-07	6.30E-08

3717	497363.09, 3851377.25	6.42E-04	2.03E-07	5.89E-08	6.55E-04	2.07E-07	6.01E-08	6.54E-04	2.06E-07	6.00E-08
3718	497863.09, 3851377.25	6.05E-04	1.91E-07	5.56E-08	6.18E-04	1.95E-07	5.67E-08	6.17E-04	1.95E-07	5.66E-08
3719	498363.09, 3851377.25	5.53E-04	1.75E-07	5.08E-08	5.65E-04	1.78E-07	5.18E-08	5.64E-04	1.78E-07	5.18E-08
3720	471363.09, 3851877.25	5.32E-04	1.68E-07	4.89E-08	5.43E-04	1.71E-07	4.99E-08	5.42E-04	1.71E-07	4.98E-08
3721	471863.09, 3851877.25	5.35E-04	1.69E-07	4.92E-08	5.46E-04	1.72E-07	5.02E-08	5.46E-04	1.72E-07	5.01E-08
3722	472363.09, 3851877.25	6.75E-04	2.13E-07	6.19E-08	6.89E-04	2.17E-07	6.32E-08	6.88E-04	2.17E-07	6.31E-08
3723	472863.09, 3851877.25	8.16E-04	2.58E-07	7.49E-08	8.33E-04	2.63E-07	7.65E-08	8.32E-04	2.63E-07	7.64E-08
3724	473363.09, 3851877.25	7.85E-04	2.48E-07	7.21E-08	8.01E-04	2.53E-07	7.35E-08	8.00E-04	2.53E-07	7.34E-08
3725	473863.09, 3851877.25	8.52E-04	2.69E-07	7.82E-08	8.70E-04	2.74E-07	7.98E-08	8.69E-04	2.74E-07	7.97E-08
3726	474363.09, 3851877.25	1.12E-03	3.52E-07	1.02E-07	1.14E-03	3.59E-07	1.05E-07	1.14E-03	3.59E-07	1.04E-07
3727	474863.09, 3851877.25	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.43E-03	4.50E-07	1.31E-07
3728	475363.09, 3851877.25	1.62E-03	5.11E-07	1.49E-07	1.65E-03	5.21E-07	1.52E-07	1.65E-03	5.21E-07	1.51E-07
3729	475863.09, 3851877.25	1.81E-03	5.73E-07	1.67E-07	1.85E-03	5.84E-07	1.70E-07	1.85E-03	5.84E-07	1.70E-07
3730	476363.09, 3851877.25	1.91E-03	6.03E-07	1.75E-07	1.95E-03	6.16E-07	1.79E-07	1.95E-03	6.15E-07	1.79E-07
3731	476863.09, 3851877.25	2.22E-03	7.00E-07	2.04E-07	2.26E-03	7.14E-07	2.08E-07	2.26E-03	7.13E-07	2.07E-07
3732	477363.09, 3851877.25	2.55E-03	8.06E-07	2.34E-07	2.61E-03	8.22E-07	2.39E-07	2.60E-03	8.22E-07	2.39E-07
3733	477863.09, 3851877.25	2.91E-03	9.19E-07	2.67E-07	2.97E-03	9.38E-07	2.73E-07	2.97E-03	9.36E-07	2.72E-07
3734	478363.09, 3851877.25	3.27E-03	1.03E-06	3.00E-07	3.33E-03	1.05E-06	3.06E-07	3.33E-03	1.05E-06	3.06E-07
3735	478863.09, 3851877.25	3.90E-03	1.23E-06	3.58E-07	3.98E-03	1.26E-06	3.66E-07	3.98E-03	1.26E-06	3.65E-07
3736	479363.09, 3851877.25	4.69E-03	1.48E-06	4.31E-07	4.79E-03	1.51E-06	4.40E-07	4.78E-03	1.51E-06	4.39E-07
3737	479863.09, 3851877.25	5.67E-03	1.79E-06	5.21E-07	5.79E-03	1.83E-06	5.31E-07	5.78E-03	1.83E-06	5.31E-07
3738	480363.09, 3851877.25	7.39E-03	2.33E-06	6.78E-07	7.54E-03	2.38E-06	6.92E-07	7.53E-03	2.38E-06	6.91E-07
3739	480863.09, 3851877.25	1.08E-02	3.39E-06	9.87E-07	1.10E-02	3.46E-06	1.01E-06	1.10E-02	3.46E-06	1.01E-06
3740	481363.09, 3851877.25	2.61E-02	8.24E-06	2.40E-06	2.66E-02	8.40E-06	2.44E-06	2.66E-02	8.39E-06	2.44E-06
3741	481863.09, 3851877.25	2.88E-02	9.10E-06	2.65E-06	2.94E-02	9.29E-06	2.70E-06	2.94E-02	9.27E-06	2.70E-06
3742	482363.09, 3851877.25	1.13E-02	3.58E-06	1.04E-06	1.16E-02	3.65E-06	1.06E-06	1.16E-02	3.65E-06	1.06E-06
3743	482863.09, 3851877.25	6.89E-03	2.17E-06	6.32E-07	7.03E-03	2.22E-06	6.45E-07	7.02E-03	2.21E-06	6.44E-07
3744	483363.09, 3851877.25	6.06E-03	1.91E-06	5.56E-07	6.18E-03	1.95E-06	5.67E-07	6.17E-03	1.95E-06	5.67E-07
3745	483863.09, 3851877.25	5.05E-03	1.59E-06	4.64E-07	5.16E-03	1.63E-06	4.73E-07	5.15E-03	1.63E-06	4.73E-07
3746	484363.09, 3851877.25	4.79E-03	1.51E-06	4.39E-07	4.88E-03	1.54E-06	4.48E-07	4.88E-03	1.54E-06	4.48E-07
3747	484863.09, 3851877.25	4.08E-03	1.29E-06	3.75E-07	4.17E-03	1.31E-06	3.82E-07	4.16E-03	1.31E-06	3.82E-07
3748	485363.09, 3851877.25	3.74E-03	1.18E-06	3.43E-07	3.82E-03	1.20E-06	3.50E-07	3.81E-03	1.20E-06	3.50E-07
3749	485863.09, 3851877.25	3.40E-03	1.07E-06	3.13E-07	3.47E-03	1.10E-06	3.19E-07	3.47E-03	1.10E-06	3.19E-07
3750	486363.09, 3851877.25	2.91E-03	9.20E-07	2.68E-07	2.97E-03	9.39E-07	2.73E-07	2.97E-03	9.37E-07	2.73E-07
3751	486863.09, 3851877.25	2.63E-03	8.29E-07	2.41E-07	2.68E-03	8.46E-07	2.46E-07	2.68E-03	8.45E-07	2.46E-07
3752	487363.09, 3851877.25	2.36E-03	7.46E-07	2.17E-07	2.41E-03	7.61E-07	2.21E-07	2.41E-03	7.61E-07	2.21E-07
3753	487863.09, 3851877.25	1.99E-03	6.30E-07	1.83E-07	2.04E-03	6.42E-07	1.87E-07	2.03E-03	6.42E-07	1.87E-07
3754	488363.09, 3851877.25	1.82E-03	5.75E-07	1.67E-07	1.86E-03	5.87E-07	1.71E-07	1.86E-03	5.86E-07	1.70E-07
3755	488863.09, 3851877.25	1.60E-03	5.05E-07	1.47E-07	1.63E-03	5.15E-07	1.50E-07	1.63E-03	5.15E-07	1.50E-07
3756	489363.09, 3851877.25	1.42E-03	4.47E-07	1.30E-07	1.45E-03	4.57E-07	1.33E-07	1.44E-03	4.56E-07	1.33E-07
3757	489863.09, 3851877.25	1.28E-03	4.05E-07	1.18E-07	1.31E-03	4.13E-07	1.20E-07	1.31E-03	4.12E-07	1.20E-07
3758	490363.09, 3851877.25	1.19E-03	3.76E-07	1.09E-07	1.21E-03	3.83E-07	1.11E-07	1.21E-03	3.83E-07	1.11E-07
3759	490863.09, 3851877.25	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.59E-07	1.05E-07
3760	491363.09, 3851877.25	1.06E-03	3.34E-07	9.73E-08	1.08E-03	3.41E-07	9.93E-08	1.08E-03	3.41E-07	9.91E-08
3761	491863.09, 3851877.25	9.95E-04	3.14E-07	9.14E-08	1.02E-03	3.20E-07	9.32E-08	1.01E-03	3.20E-07	9.31E-08
3762	492363.09, 3851877.25	8.96E-04	2.83E-07	8.23E-08	9.14E-04	2.89E-07	8.39E-08	9.13E-04	2.88E-07	8.38E-08
3763	492863.09, 3851877.25	7.15E-04	2.26E-07	6.56E-08	7.29E-04	2.30E-07	6.70E-08	7.29E-04	2.30E-07	6.69E-08
3764	493363.09, 3851877.25	7.94E-04	2.51E-07	7.29E-08	8.11E-04	2.56E-07	7.44E-08	8.10E-04	2.56E-07	7.43E-08
3765	493863.09, 3851877.25	8.62E-04	2.72E-07	7.91E-08	8.79E-04	2.77E-07	8.07E-08	8.78E-04	2.77E-07	8.06E-08
3766	494363.09, 3851877.25	7.88E-04	2.49E-07	7.23E-08	8.04E-04	2.54E-07	7.38E-08	8.03E-04	2.53E-07	7.37E-08
3767	494863.09, 3851877.25	8.06E-04	2.54E-07	7.40E-08	8.23E-04	2.60E-07	7.55E-08	8.22E-04	2.59E-07	7.54E-08
3768	495363.09, 3851877.25	7.96E-04	2.51E-07	7.31E-08	8.12E-04	2.56E-07	7.46E-08	8.11E-04	2.56E-07	7.45E-08
3769	495863.09, 3851877.25	7.76E-04	2.45E-07	7.12E-08	7.91E-04	2.50E-07	7.27E-08	7.90E-04	2.49E-07	7.26E-08
3770	496363.09, 3851877.25	7.33E-04	2.31E-07	6.73E-08	7.48E-04	2.36E-07	6.87E-08	7.47E-04	2.36E-07	6.86E-08
3771	496863.09, 3851877.25	6.90E-04	2.18E-07	6.33E-08	7.04E-04	2.22E-07	6.46E-08	7.03E-04	2.22E-07	6.45E-08
3772	497363.09, 3851877.25	6.46E-04	2.04E-07	5.94E-08	6.60E-04	2.08E-07	6.06E-08	6.59E-04	2.08E-07	6.05E-08
3773	497863.09, 3851877.25	5.87E-04	1.85E-07	5.39E-08	5.99E-04	1.89E-07	5.50E-08	5.98E-04	1.89E-07	5.49E-08
3774	498363.09, 3851877.25	5.34E-04	1.69E-07	4.90E-08	5.45E-04	1.72E-07	5.00E-08	5.44E-04	1.72E-07	5.00E-08
3775	471363.09, 3852377.25	4.11E-04	1.30E-07	3.77E-08	4.19E-04	1.32E-07	3.85E-08	4.19E-04	1.32E-07	3.85E-08
3776	471863.09, 3852377.25	5.12E-04	1.62E-07	4.70E-08	5.22E-04	1.65E-07	4.79E-08	5.22E-04	1.65E-07	4.79E-08
3777	472363.09, 3852377.25	5.91E-04	1.86E-07	5.42E-08	6.03E-04	1.90E-07	5.53E-08	6.02E-04	1.90E-07	5.53E-08
3778	472863.09, 3852377.25	6.72E-04	2.12E-07	6.17E-08	6.86E-04	2.16E-07	6.29E-08	6.85E-04	2.16E-07	6.29E-08

3779	473363.09, 3852377.25	7.33E-04	2.31E-07	6.73E-08	7.48E-04	2.36E-07	6.87E-08	7.47E-04	2.36E-07	6.86E-08
3780	473863.09, 3852377.25	7.75E-04	2.44E-07	7.11E-08	7.90E-04	2.49E-07	7.26E-08	7.90E-04	2.49E-07	7.25E-08
3781	474363.09, 3852377.25	8.24E-04	2.60E-07	7.57E-08	8.41E-04	2.66E-07	7.72E-08	8.40E-04	2.65E-07	7.71E-08
3782	474863.09, 3852377.25	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.73E-07	1.09E-07	1.18E-03	3.73E-07	1.08E-07
3783	475363.09, 3852377.25	1.25E-03	3.94E-07	1.15E-07	1.27E-03	4.02E-07	1.17E-07	1.27E-03	4.02E-07	1.17E-07
3784	475863.09, 3852377.25	1.33E-03	4.19E-07	1.22E-07	1.36E-03	4.28E-07	1.24E-07	1.35E-03	4.27E-07	1.24E-07
3785	476363.09, 3852377.25	1.36E-03	4.29E-07	1.25E-07	1.39E-03	4.38E-07	1.27E-07	1.39E-03	4.37E-07	1.27E-07
3786	476863.09, 3852377.25	1.52E-03	4.81E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.90E-07	1.42E-07
3787	477363.09, 3852377.25	1.62E-03	5.13E-07	1.49E-07	1.66E-03	5.23E-07	1.52E-07	1.66E-03	5.22E-07	1.52E-07
3788	477863.09, 3852377.25	1.38E-03	4.35E-07	1.26E-07	1.41E-03	4.44E-07	1.29E-07	1.40E-03	4.43E-07	1.29E-07
3789	478363.09, 3852377.25	1.24E-03	3.93E-07	1.14E-07	1.27E-03	4.01E-07	1.17E-07	1.27E-03	4.00E-07	1.16E-07
3790	478863.09, 3852377.25	1.87E-03	5.89E-07	1.71E-07	1.90E-03	6.01E-07	1.75E-07	1.90E-03	6.00E-07	1.75E-07
3791	479363.09, 3852377.25	2.40E-03	7.59E-07	2.21E-07	2.45E-03	7.74E-07	2.25E-07	2.45E-03	7.73E-07	2.25E-07
3792	479863.09, 3852377.25	3.67E-03	1.16E-06	3.37E-07	3.75E-03	1.18E-06	3.44E-07	3.74E-03	1.18E-06	3.44E-07
3793	480363.09, 3852377.25	4.76E-03	1.50E-06	4.37E-07	4.86E-03	1.53E-06	4.46E-07	4.85E-03	1.53E-06	4.46E-07
3794	480863.09, 3852377.25	6.15E-03	1.94E-06	5.65E-07	6.28E-03	1.98E-06	5.76E-07	6.27E-03	1.98E-06	5.75E-07
3795	481363.09, 3852377.25	9.26E-03	2.92E-06	8.50E-07	9.45E-03	2.98E-06	8.68E-07	9.44E-03	2.98E-06	8.67E-07
3796	481863.09, 3852377.25	2.62E-02	8.26E-06	2.40E-06	2.67E-02	8.43E-06	2.45E-06	2.67E-02	8.42E-06	2.45E-06
3797	482363.09, 3852377.25	2.60E-02	8.19E-06	2.38E-06	2.65E-02	8.36E-06	2.43E-06	2.65E-02	8.35E-06	2.43E-06
3798	482863.09, 3852377.25	1.23E-02	3.87E-06	1.13E-06	1.25E-02	3.95E-06	1.15E-06	1.25E-02	3.95E-06	1.15E-06
3799	483363.09, 3852377.25	7.20E-03	2.27E-06	6.61E-07	7.35E-03	2.32E-06	6.74E-07	7.34E-03	2.32E-06	6.74E-07
3800	483863.09, 3852377.25	5.44E-03	1.72E-06	5.00E-07	5.56E-03	1.75E-06	5.10E-07	5.55E-03	1.75E-06	5.09E-07
3801	484363.09, 3852377.25	5.16E-03	1.63E-06	4.73E-07	5.26E-03	1.66E-06	4.83E-07	5.26E-03	1.66E-06	4.82E-07
3802	484863.09, 3852377.25	4.68E-03	1.48E-06	4.30E-07	4.78E-03	1.51E-06	4.38E-07	4.77E-03	1.51E-06	4.38E-07
3803	485363.09, 3852377.25	4.21E-03	1.33E-06	3.87E-07	4.30E-03	1.36E-06	3.94E-07	4.29E-03	1.35E-06	3.94E-07
3804	485863.09, 3852377.25	3.55E-03	1.12E-06	3.26E-07	3.62E-03	1.14E-06	3.32E-07	3.61E-03	1.14E-06	3.32E-07
3805	486363.09, 3852377.25	2.90E-03	9.17E-07	2.67E-07	2.96E-03	9.35E-07	2.72E-07	2.96E-03	9.34E-07	2.72E-07
3806	486863.09, 3852377.25	2.54E-03	8.01E-07	2.33E-07	2.59E-03	8.17E-07	2.38E-07	2.59E-03	8.17E-07	2.37E-07
3807	487363.09, 3852377.25	2.18E-03	6.88E-07	2.00E-07	2.23E-03	7.03E-07	2.04E-07	2.22E-03	7.02E-07	2.04E-07
3808	487863.09, 3852377.25	1.88E-03	5.94E-07	1.73E-07	1.92E-03	6.06E-07	1.76E-07	1.92E-03	6.05E-07	1.76E-07
3809	488363.09, 3852377.25	1.63E-03	5.13E-07	1.49E-07	1.66E-03	5.23E-07	1.52E-07	1.66E-03	5.23E-07	1.52E-07
3810	488863.09, 3852377.25	1.39E-03	4.39E-07	1.28E-07	1.42E-03	4.48E-07	1.30E-07	1.42E-03	4.48E-07	1.30E-07
3811	489363.09, 3852377.25	1.22E-03	3.86E-07	1.12E-07	1.25E-03	3.94E-07	1.14E-07	1.25E-03	3.93E-07	1.14E-07
3812	489863.09, 3852377.25	1.04E-03	3.28E-07	9.54E-08	1.06E-03	3.35E-07	9.73E-08	1.06E-03	3.34E-07	9.72E-08
3813	490363.09, 3852377.25	1.05E-03	3.30E-07	9.61E-08	1.07E-03	3.37E-07	9.80E-08	1.07E-03	3.37E-07	9.79E-08
3814	490863.09, 3852377.25	1.03E-03	3.25E-07	9.47E-08	1.05E-03	3.32E-07	9.66E-08	1.05E-03	3.32E-07	9.65E-08
3815	491363.09, 3852377.25	1.10E-03	3.46E-07	1.01E-07	1.12E-03	3.53E-07	1.03E-07	1.12E-03	3.53E-07	1.03E-07
3816	491863.09, 3852377.25	1.04E-03	3.29E-07	9.56E-08	1.06E-03	3.35E-07	9.75E-08	1.06E-03	3.35E-07	9.74E-08
3817	492363.09, 3852377.25	9.83E-04	3.10E-07	9.02E-08	1.00E-03	3.17E-07	9.21E-08	1.00E-03	3.16E-07	9.20E-08
3818	492863.09, 3852377.25	9.67E-04	3.05E-07	8.88E-08	9.87E-04	3.11E-07	9.06E-08	9.85E-04	3.11E-07	9.05E-08
3819	493363.09, 3852377.25	9.81E-04	3.10E-07	9.01E-08	1.00E-03	3.16E-07	9.19E-08	1.00E-03	3.16E-07	9.18E-08
3820	493863.09, 3852377.25	9.20E-04	2.90E-07	8.45E-08	9.39E-04	2.96E-07	8.62E-08	9.38E-04	2.96E-07	8.61E-08
3821	494363.09, 3852377.25	8.65E-04	2.73E-07	7.94E-08	8.82E-04	2.79E-07	8.10E-08	8.81E-04	2.78E-07	8.09E-08
3822	494863.09, 3852377.25	8.55E-04	2.70E-07	7.84E-08	8.72E-04	2.75E-07	8.01E-08	8.71E-04	2.75E-07	8.00E-08
3823	495363.09, 3852377.25	8.44E-04	2.66E-07	7.75E-08	8.61E-04	2.72E-07	7.91E-08	8.60E-04	2.72E-07	7.90E-08
3824	495863.09, 3852377.25	7.88E-04	2.49E-07	7.23E-08	8.04E-04	2.54E-07	7.38E-08	8.03E-04	2.53E-07	7.37E-08
3825	496363.09, 3852377.25	7.33E-04	2.31E-07	6.73E-08	7.48E-04	2.36E-07	6.87E-08	7.47E-04	2.36E-07	6.86E-08
3826	496863.09, 3852377.25	6.91E-04	2.18E-07	6.35E-08	7.05E-04	2.23E-07	6.48E-08	7.05E-04	2.22E-07	6.47E-08
3827	497363.09, 3852377.25	6.20E-04	1.96E-07	5.69E-08	6.33E-04	2.00E-07	5.81E-08	6.32E-04	1.99E-07	5.80E-08
3828	497863.09, 3852377.25	5.50E-04	1.73E-07	5.05E-08	5.61E-04	1.77E-07	5.15E-08	5.60E-04	1.77E-07	5.14E-08
3829	498363.09, 3852377.25	4.86E-04	1.53E-07	4.46E-08	4.96E-04	1.57E-07	4.55E-08	4.96E-04	1.56E-07	4.55E-08
3830	471363.09, 3852877.25	4.14E-04	1.31E-07	3.80E-08	4.23E-04	1.33E-07	3.88E-08	4.22E-04	1.33E-07	3.88E-08
3831	471863.09, 3852877.25	4.81E-04	1.52E-07	4.42E-08	4.91E-04	1.55E-07	4.51E-08	4.90E-04	1.55E-07	4.50E-08
3832	472363.09, 3852877.25	5.49E-04	1.73E-07	5.04E-08	5.60E-04	1.77E-07	5.14E-08	5.60E-04	1.77E-07	5.14E-08
3833	472863.09, 3852877.25	6.16E-04	1.94E-07	5.65E-08	6.28E-04	1.98E-07	5.77E-08	6.28E-04	1.98E-07	5.76E-08
3834	473363.09, 3852877.25	6.86E-04	2.17E-07	6.30E-08	7.00E-04	2.21E-07	6.43E-08	6.99E-04	2.21E-07	6.42E-08
3835	473863.09, 3852877.25	7.76E-04	2.45E-07	7.13E-08	7.92E-04	2.50E-07	7.27E-08	7.91E-04	2.50E-07	7.26E-08
3836	474363.09, 3852877.25	8.70E-04	2.75E-07	7.99E-08	8.88E-04	2.80E-07	8.15E-08	8.87E-04	2.80E-07	8.14E-08
3837	474863.09, 3852877.25	8.17E-04	2.58E-07	7.50E-08	8.34E-04	2.63E-07	7.66E-08	8.33E-04	2.63E-07	7.65E-08
3838	475363.09, 3852877.25	9.48E-04	2.99E-07	8.71E-08	9.68E-04	3.05E-07	8.88E-08	9.66E-04	3.05E-07	8.87E-08
3839	475863.09, 3852877.25	1.01E-03	3.20E-07	9.29E-08	1.03E-03	3.26E-07	9.48E-08	1.03E-03	3.26E-07	9.47E-08
3840	476363.09, 3852877.25	9.52E-04	3.00E-07	8.74E-08	9.71E-04	3.07E-07	8.92E-08	9.70E-04	3.06E-07	8.91E-08

3841	476863.09, 3852877.25	7.98E-04	2.52E-07	7.33E-08	8.15E-04	2.57E-07	7.48E-08	8.14E-04	2.57E-07	7.47E-08
3842	477363.09, 3852877.25	7.03E-04	2.22E-07	6.45E-08	7.17E-04	2.26E-07	6.58E-08	7.16E-04	2.26E-07	6.58E-08
3843	477863.09, 3852877.25	5.94E-04	1.87E-07	5.45E-08	6.06E-04	1.91E-07	5.56E-08	6.05E-04	1.91E-07	5.56E-08
3844	478363.09, 3852877.25	4.22E-04	1.33E-07	3.88E-08	4.31E-04	1.36E-07	3.96E-08	4.30E-04	1.36E-07	3.95E-08
3845	478863.09, 3852877.25	5.77E-04	1.82E-07	5.30E-08	5.89E-04	1.86E-07	5.40E-08	5.88E-04	1.86E-07	5.40E-08
3846	479363.09, 3852877.25	9.63E-04	3.04E-07	8.84E-08	9.83E-04	3.10E-07	9.02E-08	9.81E-04	3.10E-07	9.01E-08
3847	479863.09, 3852877.25	2.02E-03	6.37E-07	1.85E-07	2.06E-03	6.50E-07	1.89E-07	2.06E-03	6.50E-07	1.89E-07
3848	480363.09, 3852877.25	3.35E-03	1.06E-06	3.07E-07	3.41E-03	1.08E-06	3.13E-07	3.41E-03	1.08E-06	3.13E-07
3849	480863.09, 3852877.25	4.18E-03	1.32E-06	3.84E-07	4.27E-03	1.35E-06	3.92E-07	4.26E-03	1.34E-06	3.91E-07
3850	481363.09, 3852877.25	5.53E-03	1.75E-06	5.08E-07	5.64E-03	1.78E-06	5.18E-07	5.64E-03	1.78E-06	5.17E-07
3851	481863.09, 3852877.25	8.70E-03	2.75E-06	7.99E-07	8.88E-03	2.80E-06	8.15E-07	8.87E-03	2.80E-06	8.14E-07
3852	482363.09, 3852877.25	2.89E-02	9.12E-06	2.65E-06	2.95E-02	9.30E-06	2.71E-06	2.94E-02	9.29E-06	2.70E-06
3853	482863.09, 3852877.25	2.41E-02	7.60E-06	2.21E-06	2.46E-02	7.75E-06	2.26E-06	2.45E-02	7.74E-06	2.25E-06
3854	483363.09, 3852877.25	1.09E-02	3.44E-06	1.00E-06	1.11E-02	3.51E-06	1.02E-06	1.11E-02	3.51E-06	1.02E-06
3855	483863.09, 3852877.25	6.26E-03	1.98E-06	5.75E-07	6.39E-03	2.02E-06	5.86E-07	6.38E-03	2.01E-06	5.86E-07
3856	484363.09, 3852877.25	5.64E-03	1.78E-06	5.18E-07	5.76E-03	1.82E-06	5.29E-07	5.75E-03	1.82E-06	5.28E-07
3857	484863.09, 3852877.25	4.87E-03	1.54E-06	4.47E-07	4.97E-03	1.57E-06	4.56E-07	4.96E-03	1.57E-06	4.56E-07
3858	485363.09, 3852877.25	3.51E-03	1.11E-06	3.22E-07	3.58E-03	1.13E-06	3.28E-07	3.57E-03	1.13E-06	3.28E-07
3859	485863.09, 3852877.25	2.90E-03	9.16E-07	2.67E-07	2.96E-03	9.35E-07	2.72E-07	2.96E-03	9.34E-07	2.72E-07
3860	486363.09, 3852877.25	2.41E-03	7.60E-07	2.21E-07	2.46E-03	7.75E-07	2.26E-07	2.45E-03	7.75E-07	2.25E-07
3861	486863.09, 3852877.25	2.12E-03	6.70E-07	1.95E-07	2.17E-03	6.84E-07	1.99E-07	2.16E-03	6.83E-07	1.99E-07
3862	487363.09, 3852877.25	1.82E-03	5.74E-07	1.67E-07	1.86E-03	5.86E-07	1.70E-07	1.85E-03	5.85E-07	1.70E-07
3863	487863.09, 3852877.25	1.59E-03	5.03E-07	1.46E-07	1.63E-03	5.13E-07	1.49E-07	1.62E-03	5.12E-07	1.49E-07
3864	488363.09, 3852877.25	1.12E-03	3.55E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.14E-03	3.61E-07	1.05E-07
3865	488863.09, 3852877.25	1.12E-03	3.52E-07	1.02E-07	1.14E-03	3.59E-07	1.05E-07	1.14E-03	3.59E-07	1.04E-07
3866	489363.09, 3852877.25	1.05E-03	3.33E-07	9.68E-08	1.08E-03	3.40E-07	9.88E-08	1.07E-03	3.39E-07	9.87E-08
3867	489863.09, 3852877.25	9.95E-04	3.14E-07	9.14E-08	1.02E-03	3.21E-07	9.32E-08	1.01E-03	3.20E-07	9.31E-08
3868	490363.09, 3852877.25	1.14E-03	3.60E-07	1.05E-07	1.16E-03	3.68E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
3869	490863.09, 3852877.25	1.14E-03	3.60E-07	1.05E-07	1.16E-03	3.67E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
3870	491363.09, 3852877.25	1.13E-03	3.56E-07	1.03E-07	1.15E-03	3.63E-07	1.06E-07	1.15E-03	3.63E-07	1.05E-07
3871	491863.09, 3852877.25	1.08E-03	3.40E-07	9.89E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
3872	492363.09, 3852877.25	1.04E-03	3.28E-07	9.55E-08	1.06E-03	3.35E-07	9.74E-08	1.06E-03	3.35E-07	9.73E-08
3873	492863.09, 3852877.25	1.04E-03	3.27E-07	9.51E-08	1.06E-03	3.34E-07	9.71E-08	1.06E-03	3.33E-07	9.70E-08
3874	493363.09, 3852877.25	1.01E-03	3.19E-07	9.29E-08	1.03E-03	3.26E-07	9.48E-08	1.03E-03	3.26E-07	9.47E-08
3875	493863.09, 3852877.25	9.56E-04	3.02E-07	8.78E-08	9.76E-04	3.08E-07	8.96E-08	9.75E-04	3.08E-07	8.95E-08
3876	494363.09, 3852877.25	9.11E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
3877	494863.09, 3852877.25	8.79E-04	2.78E-07	8.07E-08	8.97E-04	2.83E-07	8.24E-08	8.96E-04	2.83E-07	8.23E-08
3878	495363.09, 3852877.25	8.17E-04	2.58E-07	7.50E-08	8.33E-04	2.63E-07	7.65E-08	8.33E-04	2.63E-07	7.64E-08
3879	495863.09, 3852877.25	7.59E-04	2.39E-07	6.97E-08	7.74E-04	2.44E-07	7.11E-08	7.73E-04	2.44E-07	7.10E-08
3880	496363.09, 3852877.25	7.25E-04	2.29E-07	6.66E-08	7.40E-04	2.34E-07	6.79E-08	7.39E-04	2.33E-07	6.79E-08
3881	496863.09, 3852877.25	6.81E-04	2.15E-07	6.25E-08	6.95E-04	2.19E-07	6.38E-08	6.94E-04	2.19E-07	6.37E-08
3882	497363.09, 3852877.25	5.89E-04	1.86E-07	5.41E-08	6.01E-04	1.90E-07	5.52E-08	6.00E-04	1.89E-07	5.51E-08
3883	497863.09, 3852877.25	4.47E-04	1.41E-07	4.10E-08	4.56E-04	1.44E-07	4.18E-08	4.55E-04	1.44E-07	4.18E-08
3884	498363.09, 3852877.25	4.13E-04	1.30E-07	3.79E-08	4.21E-04	1.33E-07	3.87E-08	4.21E-04	1.33E-07	3.86E-08
3885	471363.09, 3853377.25	4.13E-04	1.30E-07	3.80E-08	4.22E-04	1.33E-07	3.87E-08	4.21E-04	1.33E-07	3.87E-08
3886	471863.09, 3853377.25	4.64E-04	1.46E-07	4.26E-08	4.73E-04	1.49E-07	4.34E-08	4.73E-04	1.49E-07	4.34E-08
3887	472363.09, 3853377.25	5.14E-04	1.62E-07	4.72E-08	5.24E-04	1.65E-07	4.81E-08	5.23E-04	1.65E-07	4.81E-08
3888	472863.09, 3853377.25	5.70E-04	1.80E-07	5.23E-08	5.81E-04	1.83E-07	5.34E-08	5.81E-04	1.83E-07	5.33E-08
3889	473363.09, 3853377.25	6.09E-04	1.92E-07	5.59E-08	6.22E-04	1.96E-07	5.71E-08	6.21E-04	1.96E-07	5.70E-08
3890	473863.09, 3853377.25	6.56E-04	2.07E-07	6.02E-08	6.69E-04	2.11E-07	6.14E-08	6.68E-04	2.11E-07	6.13E-08
3891	474363.09, 3853377.25	6.94E-04	2.19E-07	6.37E-08	7.08E-04	2.23E-07	6.50E-08	7.07E-04	2.23E-07	6.49E-08
3892	474863.09, 3853377.25	6.76E-04	2.13E-07	6.21E-08	6.90E-04	2.18E-07	6.34E-08	6.89E-04	2.18E-07	6.33E-08
3893	475363.09, 3853377.25	6.80E-04	2.15E-07	6.24E-08	6.94E-04	2.19E-07	6.37E-08	6.93E-04	2.19E-07	6.36E-08
3894	475863.09, 3853377.25	6.81E-04	2.15E-07	6.25E-08	6.95E-04	2.19E-07	6.38E-08	6.94E-04	2.19E-07	6.37E-08
3895	476363.09, 3853377.25	6.06E-04	1.91E-07	5.57E-08	6.19E-04	1.95E-07	5.68E-08	6.18E-04	1.95E-07	5.67E-08
3896	476863.09, 3853377.25	4.66E-04	1.47E-07	4.28E-08	4.75E-04	1.50E-07	4.36E-08	4.75E-04	1.50E-07	4.36E-08
3897	477363.09, 3853377.25	4.49E-04	1.42E-07	4.12E-08	4.58E-04	1.45E-07	4.21E-08	4.58E-04	1.44E-07	4.20E-08
3898	477863.09, 3853377.25	4.66E-04	1.47E-07	4.27E-08	4.75E-04	1.50E-07	4.36E-08	4.75E-04	1.50E-07	4.36E-08
3899	478363.09, 3853377.25	3.66E-04	1.16E-07	3.36E-08	3.74E-04	1.18E-07	3.43E-08	3.73E-04	1.18E-07	3.43E-08
3900	478863.09, 3853377.25	2.44E-04	7.69E-08	2.24E-08	2.49E-04	7.85E-08	2.28E-08	2.48E-04	7.84E-08	2.28E-08
3901	479363.09, 3853377.25	5.45E-04	1.72E-07	5.00E-08	5.56E-04	1.75E-07	5.10E-08	5.55E-04	1.75E-07	5.10E-08
3902	479863.09, 3853377.25	9.86E-04	3.11E-07	9.05E-08	1.01E-03	3.18E-07	9.24E-08	1.00E-03	3.17E-07	9.23E-08

3903	480363.09, 3853377.25	1.92E-03	6.06E-07	1.76E-07	1.96E-03	6.18E-07	1.80E-07	1.96E-03	6.18E-07	1.80E-07
3904	480863.09, 3853377.25	1.93E-03	6.09E-07	1.77E-07	1.97E-03	6.21E-07	1.81E-07	1.97E-03	6.20E-07	1.80E-07
3905	481363.09, 3853377.25	3.19E-03	1.01E-06	2.93E-07	3.25E-03	1.03E-06	2.99E-07	3.25E-03	1.03E-06	2.98E-07
3906	481863.09, 3853377.25	4.84E-03	1.53E-06	4.45E-07	4.94E-03	1.56E-06	4.54E-07	4.94E-03	1.56E-06	4.53E-07
3907	482363.09, 3853377.25	7.97E-03	2.51E-06	7.31E-07	8.13E-03	2.57E-06	7.46E-07	8.12E-03	2.56E-06	7.45E-07
3908	482863.09, 3853377.25	5.63E-02	1.78E-05	5.17E-06	5.74E-02	1.81E-05	5.27E-06	5.74E-02	1.81E-05	5.27E-06
3909	483363.09, 3853377.25	1.08E-02	3.41E-06	9.91E-07	1.10E-02	3.48E-06	1.01E-06	1.10E-02	3.47E-06	1.01E-06
3910	483863.09, 3853377.25	6.37E-03	2.01E-06	5.85E-07	6.50E-03	2.05E-06	5.97E-07	6.49E-03	2.05E-06	5.96E-07
3911	484363.09, 3853377.25	5.10E-03	1.61E-06	4.68E-07	5.20E-03	1.64E-06	4.77E-07	5.19E-03	1.64E-06	4.77E-07
3912	484863.09, 3853377.25	3.73E-03	1.18E-06	3.42E-07	3.80E-03	1.20E-06	3.49E-07	3.80E-03	1.20E-06	3.49E-07
3913	485363.09, 3853377.25	2.59E-03	8.16E-07	2.37E-07	2.64E-03	8.33E-07	2.42E-07	2.63E-03	8.32E-07	2.42E-07
3914	485863.09, 3853377.25	1.92E-03	6.05E-07	1.76E-07	1.96E-03	6.17E-07	1.80E-07	1.95E-03	6.16E-07	1.79E-07
3915	486363.09, 3853377.25	1.80E-03	5.69E-07	1.65E-07	1.84E-03	5.81E-07	1.69E-07	1.84E-03	5.80E-07	1.69E-07
3916	486863.09, 3853377.25	1.66E-03	5.25E-07	1.53E-07	1.70E-03	5.36E-07	1.56E-07	1.70E-03	5.35E-07	1.56E-07
3917	487363.09, 3853377.25	1.61E-03	5.07E-07	1.47E-07	1.64E-03	5.17E-07	1.50E-07	1.64E-03	5.17E-07	1.50E-07
3918	487863.09, 3853377.25	1.52E-03	4.81E-07	1.40E-07	1.55E-03	4.91E-07	1.43E-07	1.55E-03	4.90E-07	1.43E-07
3919	488363.09, 3853377.25	1.47E-03	4.65E-07	1.35E-07	1.50E-03	4.75E-07	1.38E-07	1.50E-03	4.74E-07	1.38E-07
3920	488863.09, 3853377.25	1.38E-03	4.36E-07	1.27E-07	1.41E-03	4.45E-07	1.30E-07	1.41E-03	4.45E-07	1.29E-07
3921	489363.09, 3853377.25	1.30E-03	4.09E-07	1.19E-07	1.32E-03	4.17E-07	1.21E-07	1.32E-03	4.17E-07	1.21E-07
3922	489863.09, 3853377.25	1.19E-03	3.76E-07	1.10E-07	1.22E-03	3.84E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
3923	490363.09, 3853377.25	1.17E-03	3.71E-07	1.08E-07	1.20E-03	3.78E-07	1.10E-07	1.20E-03	3.78E-07	1.10E-07
3924	490863.09, 3853377.25	1.14E-03	3.61E-07	1.05E-07	1.17E-03	3.68E-07	1.07E-07	1.17E-03	3.68E-07	1.07E-07
3925	491363.09, 3853377.25	1.11E-03	3.51E-07	1.02E-07	1.13E-03	3.58E-07	1.04E-07	1.13E-03	3.58E-07	1.04E-07
3926	491863.09, 3853377.25	1.08E-03	3.39E-07	9.87E-08	1.10E-03	3.46E-07	1.01E-07	1.10E-03	3.46E-07	1.01E-07
3927	492363.09, 3853377.25	1.06E-03	3.35E-07	9.74E-08	1.08E-03	3.42E-07	9.94E-08	1.08E-03	3.41E-07	9.93E-08
3928	492863.09, 3853377.25	1.05E-03	3.30E-07	9.60E-08	1.07E-03	3.37E-07	9.79E-08	1.07E-03	3.36E-07	9.78E-08
3929	493363.09, 3853377.25	1.01E-03	3.17E-07	9.23E-08	1.03E-03	3.24E-07	9.42E-08	1.02E-03	3.23E-07	9.41E-08
3930	493863.09, 3853377.25	9.64E-04	3.04E-07	8.85E-08	9.83E-04	3.10E-07	9.03E-08	9.82E-04	3.10E-07	9.02E-08
3931	494363.09, 3853377.25	9.06E-04	2.86E-07	8.32E-08	9.25E-04	2.92E-07	8.49E-08	9.24E-04	2.92E-07	8.48E-08
3932	494863.09, 3853377.25	8.46E-04	2.67E-07	7.76E-08	8.63E-04	2.72E-07	7.92E-08	8.62E-04	2.72E-07	7.91E-08
3933	495363.09, 3853377.25	8.05E-04	2.54E-07	7.39E-08	8.21E-04	2.59E-07	7.54E-08	8.20E-04	2.59E-07	7.53E-08
3934	495863.09, 3853377.25	7.55E-04	2.38E-07	6.93E-08	7.70E-04	2.43E-07	7.07E-08	7.69E-04	2.43E-07	7.06E-08
3935	496363.09, 3853377.25	6.96E-04	2.20E-07	6.39E-08	7.10E-04	2.24E-07	6.52E-08	7.09E-04	2.24E-07	6.51E-08
3936	496863.09, 3853377.25	6.18E-04	1.95E-07	5.67E-08	6.31E-04	1.99E-07	5.79E-08	6.30E-04	1.99E-07	5.78E-08
3937	497363.09, 3853377.25	5.21E-04	1.64E-07	4.78E-08	5.32E-04	1.68E-07	4.88E-08	5.31E-04	1.68E-07	4.87E-08
3938	497863.09, 3853377.25	3.47E-04	1.10E-07	3.19E-08	3.55E-04	1.12E-07	3.25E-08	3.54E-04	1.12E-07	3.25E-08
3939	498363.09, 3853377.25	2.69E-04	8.49E-08	2.47E-08	2.75E-04	8.66E-08	2.52E-08	2.74E-04	8.65E-08	2.52E-08
3940	471363.09, 3853877.25	4.03E-04	1.27E-07	3.70E-08	4.11E-04	1.30E-07	3.77E-08	4.10E-04	1.29E-07	3.77E-08
3941	471863.09, 3853877.25	4.51E-04	1.42E-07	4.14E-08	4.60E-04	1.45E-07	4.23E-08	4.60E-04	1.45E-07	4.22E-08
3942	472363.09, 3853877.25	4.84E-04	1.53E-07	4.44E-08	4.94E-04	1.56E-07	4.54E-08	4.93E-04	1.56E-07	4.53E-08
3943	472863.09, 3853877.25	5.28E-04	1.67E-07	4.84E-08	5.39E-04	1.70E-07	4.94E-08	5.38E-04	1.70E-07	4.94E-08
3944	473363.09, 3853877.25	5.52E-04	1.74E-07	5.07E-08	5.64E-04	1.78E-07	5.18E-08	5.63E-04	1.78E-07	5.17E-08
3945	473863.09, 3853877.25	5.78E-04	1.83E-07	5.31E-08	5.90E-04	1.86E-07	5.42E-08	5.90E-04	1.86E-07	5.41E-08
3946	474363.09, 3853877.25	6.10E-04	1.93E-07	5.60E-08	6.23E-04	1.97E-07	5.72E-08	6.22E-04	1.96E-07	5.71E-08
3947	474863.09, 3853877.25	6.29E-04	1.99E-07	5.78E-08	6.42E-04	2.03E-07	5.89E-08	6.41E-04	2.02E-07	5.89E-08
3948	475363.09, 3853877.25	5.90E-04	1.86E-07	5.42E-08	6.02E-04	1.90E-07	5.53E-08	6.02E-04	1.90E-07	5.52E-08
3949	475863.09, 3853877.25	4.73E-04	1.49E-07	4.34E-08	4.83E-04	1.52E-07	4.43E-08	4.82E-04	1.52E-07	4.43E-08
3950	476363.09, 3853877.25	3.58E-04	1.13E-07	3.28E-08	3.65E-04	1.15E-07	3.35E-08	3.65E-04	1.15E-07	3.35E-08
3951	476863.09, 3853877.25	2.35E-04	7.42E-08	2.16E-08	2.40E-04	7.57E-08	2.20E-08	2.40E-04	7.56E-08	2.20E-08
3952	477363.09, 3853877.25	2.61E-04	8.25E-08	2.40E-08	2.67E-04	8.42E-08	2.45E-08	2.66E-04	8.41E-08	2.45E-08
3953	477863.09, 3853877.25	3.22E-04	1.02E-07	2.96E-08	3.29E-04	1.04E-07	3.02E-08	3.29E-04	1.04E-07	3.02E-08
3954	478363.09, 3853877.25	3.41E-04	1.08E-07	3.13E-08	3.48E-04	1.10E-07	3.19E-08	3.47E-04	1.10E-07	3.19E-08
3955	478863.09, 3853877.25	1.94E-04	6.11E-08	1.78E-08	1.98E-04	6.23E-08	1.81E-08	1.97E-04	6.23E-08	1.81E-08
3956	479363.09, 3853877.25	3.15E-04	9.95E-08	2.89E-08	3.22E-04	1.02E-07	2.95E-08	3.21E-04	1.01E-07	2.95E-08
3957	479863.09, 3853877.25	7.25E-04	2.29E-07	6.65E-08	7.40E-04	2.33E-07	6.79E-08	7.39E-04	2.33E-07	6.78E-08
3958	480363.09, 3853877.25	1.10E-03	3.47E-07	1.01E-07	1.12E-03	3.54E-07	1.03E-07	1.12E-03	3.54E-07	1.03E-07
3959	480863.09, 3853877.25	1.81E-03	5.71E-07	1.66E-07	1.85E-03	5.83E-07	1.69E-07	1.84E-03	5.82E-07	1.69E-07
3960	481363.09, 3853877.25	2.34E-03	7.40E-07	2.15E-07	2.39E-03	7.55E-07	2.20E-07	2.39E-03	7.54E-07	2.19E-07
3961	481863.09, 3853877.25	2.95E-03	9.32E-07	2.71E-07	3.01E-03	9.51E-07	2.77E-07	3.01E-03	9.50E-07	2.76E-07
3962	482363.09, 3853877.25	3.42E-03	1.08E-06	3.14E-07	3.49E-03	1.10E-06	3.20E-07	3.48E-03	1.10E-06	3.20E-07
3963	482863.09, 3853877.25	3.59E-03	1.13E-06	3.29E-07	3.66E-03	1.16E-06	3.36E-07	3.66E-03	1.15E-06	3.36E-07
3964	483363.09, 3853877.25	3.46E-03	1.09E-06	3.18E-07	3.53E-03	1.12E-06	3.24E-07	3.53E-03	1.11E-06	3.24E-07

3965	483863.09, 3853877.25	3.28E-03	1.04E-06	3.02E-07	3.35E-03	1.06E-06	3.08E-07	3.35E-03	1.06E-06	3.07E-07
3966	484363.09, 3853877.25	2.77E-03	8.75E-07	2.55E-07	2.83E-03	8.93E-07	2.60E-07	2.83E-03	8.92E-07	2.59E-07
3967	484863.09, 3853877.25	2.26E-03	7.13E-07	2.07E-07	2.30E-03	7.27E-07	2.12E-07	2.30E-03	7.26E-07	2.11E-07
3968	485363.09, 3853877.25	1.69E-03	5.35E-07	1.56E-07	1.73E-03	5.46E-07	1.59E-07	1.73E-03	5.45E-07	1.59E-07
3969	485863.09, 3853877.25	1.72E-03	5.43E-07	1.58E-07	1.76E-03	5.54E-07	1.61E-07	1.75E-03	5.54E-07	1.61E-07
3970	486363.09, 3853877.25	1.56E-03	4.93E-07	1.43E-07	1.59E-03	5.03E-07	1.46E-07	1.59E-03	5.02E-07	1.46E-07
3971	486863.09, 3853877.25	1.42E-03	4.49E-07	1.30E-07	1.45E-03	4.58E-07	1.33E-07	1.45E-03	4.57E-07	1.33E-07
3972	487363.09, 3853877.25	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.43E-03	4.50E-07	1.31E-07
3973	487863.09, 3853877.25	1.44E-03	4.54E-07	1.32E-07	1.47E-03	4.63E-07	1.35E-07	1.46E-03	4.62E-07	1.34E-07
3974	488363.09, 3853877.25	1.40E-03	4.42E-07	1.29E-07	1.43E-03	4.51E-07	1.31E-07	1.43E-03	4.50E-07	1.31E-07
3975	488863.09, 3853877.25	1.39E-03	4.38E-07	1.27E-07	1.42E-03	4.47E-07	1.30E-07	1.41E-03	4.46E-07	1.30E-07
3976	489363.09, 3853877.25	1.28E-03	4.04E-07	1.18E-07	1.31E-03	4.12E-07	1.20E-07	1.30E-03	4.12E-07	1.20E-07
3977	489863.09, 3853877.25	1.24E-03	3.90E-07	1.14E-07	1.26E-03	3.98E-07	1.16E-07	1.26E-03	3.98E-07	1.16E-07
3978	490363.09, 3853877.25	1.17E-03	3.69E-07	1.07E-07	1.19E-03	3.77E-07	1.10E-07	1.19E-03	3.76E-07	1.10E-07
3979	490863.09, 3853877.25	1.13E-03	3.56E-07	1.03E-07	1.15E-03	3.63E-07	1.06E-07	1.15E-03	3.62E-07	1.05E-07
3980	491363.09, 3853877.25	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.50E-07	1.02E-07
3981	491863.09, 3853877.25	1.05E-03	3.32E-07	9.67E-08	1.07E-03	3.39E-07	9.87E-08	1.07E-03	3.39E-07	9.85E-08
3982	492363.09, 3853877.25	1.04E-03	3.28E-07	9.55E-08	1.06E-03	3.35E-07	9.74E-08	1.06E-03	3.35E-07	9.73E-08
3983	492863.09, 3853877.25	1.01E-03	3.20E-07	9.31E-08	1.03E-03	3.27E-07	9.50E-08	1.03E-03	3.26E-07	9.49E-08
3984	493363.09, 3853877.25	9.72E-04	3.07E-07	8.92E-08	9.92E-04	3.13E-07	9.11E-08	9.91E-04	3.13E-07	9.10E-08
3985	493863.09, 3853877.25	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.66E-08	9.42E-04	2.97E-07	8.65E-08
3986	494363.09, 3853877.25	8.85E-04	2.79E-07	8.12E-08	9.03E-04	2.85E-07	8.29E-08	9.02E-04	2.85E-07	8.28E-08
3987	494863.09, 3853877.25	8.36E-04	2.64E-07	7.67E-08	8.53E-04	2.69E-07	7.83E-08	8.52E-04	2.69E-07	7.82E-08
3988	495363.09, 3853877.25	7.49E-04	2.37E-07	6.88E-08	7.65E-04	2.41E-07	7.02E-08	7.64E-04	2.41E-07	7.01E-08
3989	495863.09, 3853877.25	6.76E-04	2.13E-07	6.21E-08	6.90E-04	2.18E-07	6.33E-08	6.89E-04	2.17E-07	6.32E-08
3990	496363.09, 3853877.25	6.26E-04	1.97E-07	5.74E-08	6.38E-04	2.01E-07	5.86E-08	6.38E-04	2.01E-07	5.85E-08
3991	496863.09, 3853877.25	5.40E-04	1.71E-07	4.96E-08	5.51E-04	1.74E-07	5.06E-08	5.51E-04	1.74E-07	5.06E-08
3992	497363.09, 3853877.25	4.67E-04	1.47E-07	4.29E-08	4.77E-04	1.51E-07	4.38E-08	4.76E-04	1.50E-07	4.37E-08
3993	497863.09, 3853877.25	3.70E-04	1.17E-07	3.39E-08	3.77E-04	1.19E-07	3.46E-08	3.77E-04	1.19E-07	3.46E-08
3994	498363.09, 3853877.25	3.14E-04	9.92E-08	2.89E-08	3.21E-04	1.01E-07	2.95E-08	3.20E-04	1.01E-07	2.94E-08
3995	471363.09, 3854377.25	3.90E-04	1.23E-07	3.58E-08	3.98E-04	1.26E-07	3.65E-08	3.98E-04	1.25E-07	3.65E-08
3996	471863.09, 3854377.25	4.31E-04	1.36E-07	3.96E-08	4.40E-04	1.39E-07	4.04E-08	4.39E-04	1.39E-07	4.03E-08
3997	472363.09, 3854377.25	4.65E-04	1.47E-07	4.27E-08	4.74E-04	1.50E-07	4.35E-08	4.74E-04	1.49E-07	4.35E-08
3998	472863.09, 3854377.25	4.89E-04	1.54E-07	4.49E-08	4.99E-04	1.57E-07	4.58E-08	4.98E-04	1.57E-07	4.57E-08
3999	473363.09, 3854377.25	5.20E-04	1.64E-07	4.78E-08	5.31E-04	1.68E-07	4.87E-08	5.30E-04	1.67E-07	4.87E-08
4000	473863.09, 3854377.25	5.59E-04	1.76E-07	5.13E-08	5.70E-04	1.80E-07	5.24E-08	5.70E-04	1.80E-07	5.23E-08
4001	474363.09, 3854377.25	5.91E-04	1.87E-07	5.43E-08	6.03E-04	1.90E-07	5.54E-08	6.03E-04	1.90E-07	5.53E-08
4002	474863.09, 3854377.25	5.55E-04	1.75E-07	5.10E-08	5.67E-04	1.79E-07	5.20E-08	5.66E-04	1.79E-07	5.20E-08
4003	475363.09, 3854377.25	4.56E-04	1.44E-07	4.19E-08	4.66E-04	1.47E-07	4.28E-08	4.65E-04	1.47E-07	4.27E-08
4004	475863.09, 3854377.25	2.68E-04	8.44E-08	2.46E-08	2.73E-04	8.62E-08	2.51E-08	2.73E-04	8.61E-08	2.50E-08
4005	476363.09, 3854377.25	2.17E-04	6.86E-08	2.00E-08	2.22E-04	7.00E-08	2.04E-08	2.22E-04	7.00E-08	2.03E-08
4006	476863.09, 3854377.25	1.93E-04	6.10E-08	1.77E-08	1.97E-04	6.23E-08	1.81E-08	1.97E-04	6.22E-08	1.81E-08
4007	477363.09, 3854377.25	1.79E-04	5.66E-08	1.65E-08	1.83E-04	5.78E-08	1.68E-08	1.83E-04	5.77E-08	1.68E-08
4008	477863.09, 3854377.25	1.75E-04	5.53E-08	1.61E-08	1.79E-04	5.65E-08	1.64E-08	1.79E-04	5.64E-08	1.64E-08
4009	478363.09, 3854377.25	2.18E-04	6.87E-08	2.00E-08	2.22E-04	7.01E-08	2.04E-08	2.22E-04	7.00E-08	2.04E-08
4010	478863.09, 3854377.25	2.38E-04	7.52E-08	2.19E-08	2.43E-04	7.68E-08	2.23E-08	2.43E-04	7.67E-08	2.23E-08
4011	479363.09, 3854377.25	4.42E-04	1.40E-07	4.06E-08	4.51E-04	1.42E-07	4.14E-08	4.50E-04	1.42E-07	4.14E-08
4012	479863.09, 3854377.25	5.88E-04	1.86E-07	5.40E-08	6.00E-04	1.89E-07	5.51E-08	5.99E-04	1.89E-07	5.50E-08
4013	480363.09, 3854377.25	8.19E-04	2.58E-07	7.52E-08	8.36E-04	2.64E-07	7.67E-08	8.35E-04	2.63E-07	7.66E-08
4014	480863.09, 3854377.25	1.21E-03	3.83E-07	1.11E-07	1.24E-03	3.90E-07	1.14E-07	1.24E-03	3.90E-07	1.13E-07
4015	481363.09, 3854377.25	1.61E-03	5.07E-07	1.47E-07	1.64E-03	5.17E-07	1.50E-07	1.64E-03	5.16E-07	1.50E-07
4016	481863.09, 3854377.25	2.00E-03	6.32E-07	1.84E-07	2.04E-03	6.45E-07	1.88E-07	2.04E-03	6.44E-07	1.87E-07
4017	482363.09, 3854377.25	2.07E-03	6.52E-07	1.90E-07	2.11E-03	6.65E-07	1.94E-07	2.11E-03	6.65E-07	1.93E-07
4018	482863.09, 3854377.25	2.06E-03	6.50E-07	1.89E-07	2.10E-03	6.63E-07	1.93E-07	2.10E-03	6.62E-07	1.93E-07
4019	483363.09, 3854377.25	2.02E-03	6.36E-07	1.85E-07	2.06E-03	6.49E-07	1.89E-07	2.06E-03	6.49E-07	1.89E-07
4020	483863.09, 3854377.25	1.83E-03	5.77E-07	1.68E-07	1.87E-03	5.89E-07	1.71E-07	1.86E-03	5.88E-07	1.71E-07
4021	484363.09, 3854377.25	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
4022	484863.09, 3854377.25	1.28E-03	4.05E-07	1.18E-07	1.31E-03	4.14E-07	1.20E-07	1.31E-03	4.13E-07	1.20E-07
4023	485363.09, 3854377.25	1.47E-03	4.64E-07	1.35E-07	1.50E-03	4.74E-07	1.38E-07	1.50E-03	4.73E-07	1.38E-07
4024	485863.09, 3854377.25	1.31E-03	4.14E-07	1.20E-07	1.34E-03	4.22E-07	1.23E-07	1.34E-03	4.22E-07	1.23E-07
4025	486363.09, 3854377.25	1.37E-03	4.32E-07	1.26E-07	1.40E-03	4.41E-07	1.28E-07	1.40E-03	4.40E-07	1.28E-07
4026	486863.09, 3854377.25	1.29E-03	4.06E-07	1.18E-07	1.31E-03	4.15E-07	1.21E-07	1.31E-03	4.14E-07	1.20E-07

4027	487363.09, 3854377.25	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.29E-03	4.09E-07	1.19E-07
4028	487863.09, 3854377.25	1.30E-03	4.09E-07	1.19E-07	1.32E-03	4.17E-07	1.21E-07	1.32E-03	4.17E-07	1.21E-07
4029	488363.09, 3854377.25	1.29E-03	4.08E-07	1.19E-07	1.32E-03	4.16E-07	1.21E-07	1.32E-03	4.16E-07	1.21E-07
4030	488863.09, 3854377.25	1.27E-03	4.00E-07	1.16E-07	1.29E-03	4.08E-07	1.19E-07	1.29E-03	4.08E-07	1.19E-07
4031	489363.09, 3854377.25	1.23E-03	3.88E-07	1.13E-07	1.26E-03	3.96E-07	1.15E-07	1.25E-03	3.96E-07	1.15E-07
4032	489863.09, 3854377.25	1.18E-03	3.73E-07	1.09E-07	1.21E-03	3.81E-07	1.11E-07	1.21E-03	3.80E-07	1.11E-07
4033	490363.09, 3854377.25	1.13E-03	3.56E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.63E-07	1.06E-07
4034	490863.09, 3854377.25	9.87E-04	3.11E-07	9.06E-08	1.01E-03	3.18E-07	9.24E-08	1.01E-03	3.17E-07	9.23E-08
4035	491363.09, 3854377.25	1.01E-03	3.19E-07	9.29E-08	1.03E-03	3.26E-07	9.48E-08	1.03E-03	3.26E-07	9.47E-08
4036	491863.09, 3854377.25	1.01E-03	3.20E-07	9.32E-08	1.04E-03	3.27E-07	9.51E-08	1.03E-03	3.26E-07	9.50E-08
4037	492363.09, 3854377.25	9.94E-04	3.14E-07	9.13E-08	1.01E-03	3.20E-07	9.31E-08	1.01E-03	3.20E-07	9.30E-08
4038	492863.09, 3854377.25	9.59E-04	3.03E-07	8.81E-08	9.79E-04	3.09E-07	8.98E-08	9.78E-04	3.09E-07	8.97E-08
4039	493363.09, 3854377.25	9.17E-04	2.89E-07	8.42E-08	9.35E-04	2.95E-07	8.59E-08	9.34E-04	2.95E-07	8.58E-08
4040	493863.09, 3854377.25	8.73E-04	2.76E-07	8.02E-08	8.91E-04	2.81E-07	8.18E-08	8.90E-04	2.81E-07	8.17E-08
4041	494363.09, 3854377.25	8.33E-04	2.63E-07	7.65E-08	8.50E-04	2.68E-07	7.80E-08	8.49E-04	2.68E-07	7.79E-08
4042	494863.09, 3854377.25	7.28E-04	2.30E-07	6.68E-08	7.42E-04	2.34E-07	6.82E-08	7.42E-04	2.34E-07	6.81E-08
4043	495363.09, 3854377.25	6.10E-04	1.92E-07	5.60E-08	6.22E-04	1.96E-07	5.71E-08	6.21E-04	1.96E-07	5.70E-08
4044	495863.09, 3854377.25	5.27E-04	1.66E-07	4.84E-08	5.38E-04	1.70E-07	4.94E-08	5.38E-04	1.70E-07	4.94E-08
4045	496363.09, 3854377.25	4.88E-04	1.54E-07	4.48E-08	4.98E-04	1.57E-07	4.57E-08	4.98E-04	1.57E-07	4.57E-08
4046	496863.09, 3854377.25	4.35E-04	1.37E-07	3.99E-08	4.44E-04	1.40E-07	4.07E-08	4.43E-04	1.40E-07	4.07E-08
4047	497363.09, 3854377.25	3.48E-04	1.10E-07	3.20E-08	3.55E-04	1.12E-07	3.26E-08	3.55E-04	1.12E-07	3.26E-08
4048	497863.09, 3854377.25	3.64E-04	1.15E-07	3.34E-08	3.72E-04	1.17E-07	3.41E-08	3.71E-04	1.17E-07	3.41E-08
4049	498363.09, 3854377.25	3.19E-04	1.01E-07	2.93E-08	3.26E-04	1.03E-07	2.99E-08	3.25E-04	1.03E-07	2.99E-08
4050	471363.09, 3854877.25	3.84E-04	1.21E-07	3.52E-08	3.92E-04	1.24E-07	3.60E-08	3.91E-04	1.24E-07	3.59E-08
4051	471863.09, 3854877.25	4.13E-04	1.30E-07	3.79E-08	4.21E-04	1.33E-07	3.86E-08	4.20E-04	1.33E-07	3.86E-08
4052	472363.09, 3854877.25	4.39E-04	1.39E-07	4.03E-08	4.48E-04	1.41E-07	4.12E-08	4.48E-04	1.41E-07	4.11E-08
4053	472863.09, 3854877.25	4.48E-04	1.41E-07	4.11E-08	4.57E-04	1.44E-07	4.20E-08	4.56E-04	1.44E-07	4.19E-08
4054	473363.09, 3854877.25	4.85E-04	1.53E-07	4.46E-08	4.95E-04	1.56E-07	4.55E-08	4.95E-04	1.56E-07	4.54E-08
4055	473863.09, 3854877.25	5.20E-04	1.64E-07	4.77E-08	5.30E-04	1.67E-07	4.87E-08	5.30E-04	1.67E-07	4.86E-08
4056	474363.09, 3854877.25	5.63E-04	1.78E-07	5.17E-08	5.75E-04	1.81E-07	5.28E-08	5.74E-04	1.81E-07	5.27E-08
4057	474863.09, 3854877.25	4.64E-04	1.46E-07	4.26E-08	4.73E-04	1.49E-07	4.34E-08	4.73E-04	1.49E-07	4.34E-08
4058	475363.09, 3854877.25	3.34E-04	1.05E-07	3.06E-08	3.41E-04	1.08E-07	3.13E-08	3.40E-04	1.07E-07	3.12E-08
4059	475863.09, 3854877.25	2.16E-04	6.82E-08	1.98E-08	2.20E-04	6.96E-08	2.02E-08	2.20E-04	6.95E-08	2.02E-08
4060	476363.09, 3854877.25	1.00E-04	3.16E-08	9.20E-09	1.02E-04	3.23E-08	9.39E-09	1.02E-04	3.22E-08	9.37E-09
4061	476863.09, 3854877.25	9.16E-05	2.89E-08	8.41E-09	9.35E-05	2.95E-08	8.58E-09	9.34E-05	2.95E-08	8.57E-09
4062	477363.09, 3854877.25	1.20E-04	3.79E-08	1.10E-08	1.23E-04	3.87E-08	1.13E-08	1.23E-04	3.87E-08	1.12E-08
4063	477863.09, 3854877.25	1.48E-04	4.66E-08	1.36E-08	1.51E-04	4.75E-08	1.38E-08	1.50E-04	4.75E-08	1.38E-08
4064	478363.09, 3854877.25	2.26E-04	7.14E-08	2.08E-08	2.31E-04	7.29E-08	2.12E-08	2.31E-04	7.28E-08	2.12E-08
4065	478863.09, 3854877.25	3.57E-04	1.13E-07	3.28E-08	3.64E-04	1.15E-07	3.34E-08	3.64E-04	1.15E-07	3.34E-08
4066	479363.09, 3854877.25	5.24E-04	1.65E-07	4.81E-08	5.35E-04	1.69E-07	4.91E-08	5.34E-04	1.69E-07	4.90E-08
4067	479863.09, 3854877.25	7.13E-04	2.25E-07	6.55E-08	7.28E-04	2.30E-07	6.68E-08	7.27E-04	2.29E-07	6.67E-08
4068	480363.09, 3854877.25	8.59E-04	2.71E-07	7.88E-08	8.76E-04	2.77E-07	8.04E-08	8.75E-04	2.76E-07	8.03E-08
4069	480863.09, 3854877.25	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.59E-07	1.05E-07
4070	481363.09, 3854877.25	1.27E-03	4.00E-07	1.16E-07	1.29E-03	4.08E-07	1.19E-07	1.29E-03	4.08E-07	1.19E-07
4071	481863.09, 3854877.25	1.20E-03	3.79E-07	1.10E-07	1.22E-03	3.86E-07	1.12E-07	1.22E-03	3.86E-07	1.12E-07
4072	482363.09, 3854877.25	1.50E-03	4.75E-07	1.38E-07	1.54E-03	4.85E-07	1.41E-07	1.53E-03	4.84E-07	1.41E-07
4073	482863.09, 3854877.25	1.49E-03	4.71E-07	1.37E-07	1.52E-03	4.80E-07	1.40E-07	1.52E-03	4.80E-07	1.40E-07
4074	483363.09, 3854877.25	1.49E-03	4.72E-07	1.37E-07	1.52E-03	4.81E-07	1.40E-07	1.52E-03	4.81E-07	1.40E-07
4075	483863.09, 3854877.25	1.46E-03	4.61E-07	1.34E-07	1.49E-03	4.71E-07	1.37E-07	1.49E-03	4.70E-07	1.37E-07
4076	484363.09, 3854877.25	1.34E-03	4.23E-07	1.23E-07	1.37E-03	4.32E-07	1.26E-07	1.37E-03	4.31E-07	1.25E-07
4077	484863.09, 3854877.25	1.30E-03	4.10E-07	1.19E-07	1.33E-03	4.19E-07	1.22E-07	1.32E-03	4.18E-07	1.22E-07
4078	485363.09, 3854877.25	1.23E-03	3.90E-07	1.13E-07	1.26E-03	3.98E-07	1.16E-07	1.26E-03	3.97E-07	1.16E-07
4079	485863.09, 3854877.25	1.20E-03	3.80E-07	1.10E-07	1.23E-03	3.87E-07	1.13E-07	1.23E-03	3.87E-07	1.13E-07
4080	486363.09, 3854877.25	1.17E-03	3.69E-07	1.07E-07	1.19E-03	3.76E-07	1.10E-07	1.19E-03	3.76E-07	1.09E-07
4081	486863.09, 3854877.25	1.16E-03	3.66E-07	1.07E-07	1.18E-03	3.74E-07	1.09E-07	1.18E-03	3.73E-07	1.09E-07
4082	487363.09, 3854877.25	1.20E-03	3.79E-07	1.10E-07	1.23E-03	3.87E-07	1.12E-07	1.22E-03	3.86E-07	1.12E-07
4083	487863.09, 3854877.25	1.20E-03	3.77E-07	1.10E-07	1.22E-03	3.85E-07	1.12E-07	1.22E-03	3.85E-07	1.12E-07
4084	488363.09, 3854877.25	1.17E-03	3.70E-07	1.08E-07	1.20E-03	3.77E-07	1.10E-07	1.19E-03	3.77E-07	1.10E-07
4085	488863.09, 3854877.25	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.73E-07	1.09E-07	1.18E-03	3.73E-07	1.08E-07
4086	489363.09, 3854877.25	1.13E-03	3.57E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
4087	489863.09, 3854877.25	1.07E-03	3.39E-07	9.85E-08	1.10E-03	3.46E-07	1.01E-07	1.09E-03	3.45E-07	1.00E-07
4088	490363.09, 3854877.25	9.11E-04	2.88E-07	8.37E-08	9.30E-04	2.94E-07	8.54E-08	9.29E-04	2.93E-07	8.53E-08

4089	490863.09, 3854877.25	7.15E-04	2.26E-07	6.56E-08	7.29E-04	2.30E-07	6.69E-08	7.28E-04	2.30E-07	6.69E-08
4090	491363.09, 3854877.25	7.61E-04	2.40E-07	6.98E-08	7.76E-04	2.45E-07	7.13E-08	7.75E-04	2.45E-07	7.12E-08
4091	491863.09, 3854877.25	9.46E-04	2.99E-07	8.69E-08	9.65E-04	3.05E-07	8.86E-08	9.64E-04	3.04E-07	8.85E-08
4092	492363.09, 3854877.25	9.33E-04	2.95E-07	8.57E-08	9.53E-04	3.01E-07	8.74E-08	9.51E-04	3.00E-07	8.73E-08
4093	492863.09, 3854877.25	9.00E-04	2.84E-07	8.26E-08	9.18E-04	2.90E-07	8.43E-08	9.17E-04	2.89E-07	8.42E-08
4094	493363.09, 3854877.25	8.57E-04	2.71E-07	7.87E-08	8.75E-04	2.76E-07	8.03E-08	8.74E-04	2.76E-07	8.02E-08
4095	493863.09, 3854877.25	8.20E-04	2.59E-07	7.53E-08	8.37E-04	2.64E-07	7.68E-08	8.36E-04	2.64E-07	7.67E-08
4096	494363.09, 3854877.25	6.98E-04	2.20E-07	6.41E-08	7.12E-04	2.25E-07	6.54E-08	7.11E-04	2.24E-07	6.53E-08
4097	494863.09, 3854877.25	5.52E-04	1.74E-07	5.06E-08	5.63E-04	1.78E-07	5.17E-08	5.62E-04	1.77E-07	5.16E-08
4098	495363.09, 3854877.25	4.55E-04	1.44E-07	4.18E-08	4.64E-04	1.47E-07	4.26E-08	4.64E-04	1.46E-07	4.26E-08
4099	495863.09, 3854877.25	4.03E-04	1.27E-07	3.70E-08	4.11E-04	1.30E-07	3.77E-08	4.11E-04	1.30E-07	3.77E-08
4100	496363.09, 3854877.25	3.31E-04	1.05E-07	3.04E-08	3.38E-04	1.07E-07	3.10E-08	3.38E-04	1.07E-07	3.10E-08
4101	496863.09, 3854877.25	2.91E-04	9.20E-08	2.68E-08	2.97E-04	9.39E-08	2.73E-08	2.97E-04	9.37E-08	2.73E-08
4102	497363.09, 3854877.25	2.85E-04	8.98E-08	2.61E-08	2.90E-04	9.17E-08	2.67E-08	2.90E-04	9.16E-08	2.66E-08
4103	497863.09, 3854877.25	3.20E-04	1.01E-07	2.94E-08	3.27E-04	1.03E-07	3.00E-08	3.26E-04	1.03E-07	2.99E-08
4104	498363.09, 3854877.25	3.19E-04	1.01E-07	2.93E-08	3.26E-04	1.03E-07	2.99E-08	3.25E-04	1.03E-07	2.99E-08
4105	471363.09, 3855377.25	3.81E-04	1.20E-07	3.50E-08	3.89E-04	1.23E-07	3.57E-08	3.88E-04	1.23E-07	3.56E-08
4106	471863.09, 3855377.25	3.97E-04	1.25E-07	3.65E-08	4.05E-04	1.28E-07	3.72E-08	4.05E-04	1.28E-07	3.72E-08
4107	472363.09, 3855377.25	4.28E-04	1.35E-07	3.93E-08	4.37E-04	1.38E-07	4.01E-08	4.37E-04	1.38E-07	4.01E-08
4108	472863.09, 3855377.25	4.42E-04	1.40E-07	4.06E-08	4.51E-04	1.42E-07	4.14E-08	4.50E-04	1.42E-07	4.14E-08
4109	473363.09, 3855377.25	4.79E-04	1.51E-07	4.40E-08	4.89E-04	1.54E-07	4.49E-08	4.88E-04	1.54E-07	4.48E-08
4110	473863.09, 3855377.25	5.09E-04	1.61E-07	4.67E-08	5.19E-04	1.64E-07	4.76E-08	5.18E-04	1.64E-07	4.76E-08
4111	474363.09, 3855377.25	5.32E-04	1.68E-07	4.88E-08	5.42E-04	1.71E-07	4.98E-08	5.42E-04	1.71E-07	4.97E-08
4112	474863.09, 3855377.25	4.51E-04	1.42E-07	4.14E-08	4.60E-04	1.45E-07	4.23E-08	4.60E-04	1.45E-07	4.22E-08
4113	475363.09, 3855377.25	1.74E-04	5.51E-08	1.60E-08	1.78E-04	5.62E-08	1.63E-08	1.78E-04	5.61E-08	1.63E-08
4114	475863.09, 3855377.25	1.06E-04	3.36E-08	9.77E-09	1.09E-04	3.43E-08	9.96E-09	1.08E-04	3.42E-08	9.95E-09
4115	476363.09, 3855377.25	1.32E-04	4.18E-08	1.21E-08	1.35E-04	4.26E-08	1.24E-08	1.35E-04	4.26E-08	1.24E-08
4116	476863.09, 3855377.25	1.19E-04	3.77E-08	1.10E-08	1.22E-04	3.84E-08	1.12E-08	1.22E-04	3.84E-08	1.12E-08
4117	477363.09, 3855377.25	1.33E-04	4.21E-08	1.23E-08	1.36E-04	4.30E-08	1.25E-08	1.36E-04	4.29E-08	1.25E-08
4118	477863.09, 3855377.25	1.93E-04	6.10E-08	1.77E-08	1.97E-04	6.23E-08	1.81E-08	1.97E-04	6.22E-08	1.81E-08
4119	478363.09, 3855377.25	2.69E-04	8.49E-08	2.47E-08	2.75E-04	8.66E-08	2.52E-08	2.74E-04	8.65E-08	2.52E-08
4120	478863.09, 3855377.25	3.50E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.28E-08	3.56E-04	1.13E-07	3.27E-08
4121	479363.09, 3855377.25	4.60E-04	1.45E-07	4.23E-08	4.70E-04	1.48E-07	4.31E-08	4.69E-04	1.48E-07	4.31E-08
4122	479863.09, 3855377.25	5.63E-04	1.78E-07	5.17E-08	5.75E-04	1.81E-07	5.28E-08	5.74E-04	1.81E-07	5.27E-08
4123	480363.09, 3855377.25	7.53E-04	2.38E-07	6.91E-08	7.69E-04	2.43E-07	7.06E-08	7.68E-04	2.42E-07	7.05E-08
4124	480863.09, 3855377.25	9.77E-04	3.08E-07	8.97E-08	9.97E-04	3.15E-07	9.16E-08	9.96E-04	3.14E-07	9.15E-08
4125	481363.09, 3855377.25	1.14E-03	3.60E-07	1.05E-07	1.16E-03	3.67E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
4126	481863.09, 3855377.25	1.20E-03	3.78E-07	1.10E-07	1.22E-03	3.86E-07	1.12E-07	1.22E-03	3.85E-07	1.12E-07
4127	482363.09, 3855377.25	1.19E-03	3.76E-07	1.09E-07	1.22E-03	3.84E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
4128	482863.09, 3855377.25	1.19E-03	3.74E-07	1.09E-07	1.21E-03	3.82E-07	1.11E-07	1.21E-03	3.81E-07	1.11E-07
4129	483363.09, 3855377.25	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.83E-07	1.11E-07	1.21E-03	3.83E-07	1.11E-07
4130	483863.09, 3855377.25	1.20E-03	3.78E-07	1.10E-07	1.22E-03	3.86E-07	1.12E-07	1.22E-03	3.85E-07	1.12E-07
4131	484363.09, 3855377.25	1.19E-03	3.77E-07	1.10E-07	1.22E-03	3.85E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
4132	484863.09, 3855377.25	1.17E-03	3.70E-07	1.08E-07	1.20E-03	3.78E-07	1.10E-07	1.20E-03	3.77E-07	1.10E-07
4133	485363.09, 3855377.25	1.16E-03	3.65E-07	1.06E-07	1.18E-03	3.72E-07	1.08E-07	1.18E-03	3.72E-07	1.08E-07
4134	485863.09, 3855377.25	1.09E-03	3.45E-07	1.00E-07	1.12E-03	3.52E-07	1.02E-07	1.12E-03	3.52E-07	1.02E-07
4135	486363.09, 3855377.25	1.05E-03	3.32E-07	9.65E-08	1.07E-03	3.39E-07	9.85E-08	1.07E-03	3.38E-07	9.83E-08
4136	486863.09, 3855377.25	1.02E-03	3.21E-07	9.34E-08	1.04E-03	3.28E-07	9.53E-08	1.04E-03	3.27E-07	9.52E-08
4137	487363.09, 3855377.25	1.06E-03	3.33E-07	9.70E-08	1.08E-03	3.40E-07	9.90E-08	1.08E-03	3.40E-07	9.88E-08
4138	487863.09, 3855377.25	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
4139	488363.09, 3855377.25	1.10E-03	3.47E-07	1.01E-07	1.12E-03	3.54E-07	1.03E-07	1.12E-03	3.54E-07	1.03E-07
4140	488863.09, 3855377.25	1.08E-03	3.41E-07	9.92E-08	1.10E-03	3.48E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
4141	489363.09, 3855377.25	1.04E-03	3.27E-07	9.52E-08	1.06E-03	3.34E-07	9.72E-08	1.06E-03	3.34E-07	9.71E-08
4142	489863.09, 3855377.25	9.89E-04	3.12E-07	9.08E-08	1.01E-03	3.18E-07	9.26E-08	1.01E-03	3.18E-07	9.25E-08
4143	490363.09, 3855377.25	9.72E-04	3.07E-07	8.92E-08	9.91E-04	3.13E-07	9.10E-08	9.90E-04	3.13E-07	9.09E-08
4144	490863.09, 3855377.25	7.69E-04	2.43E-07	7.06E-08	7.85E-04	2.48E-07	7.20E-08	7.84E-04	2.47E-07	7.20E-08
4145	491363.09, 3855377.25	6.94E-04	2.19E-07	6.37E-08	7.08E-04	2.23E-07	6.50E-08	7.07E-04	2.23E-07	6.49E-08
4146	491863.09, 3855377.25	8.69E-04	2.74E-07	7.98E-08	8.87E-04	2.80E-07	8.14E-08	8.86E-04	2.80E-07	8.13E-08
4147	492363.09, 3855377.25	8.60E-04	2.71E-07	7.90E-08	8.78E-04	2.77E-07	8.06E-08	8.77E-04	2.77E-07	8.05E-08
4148	492863.09, 3855377.25	8.32E-04	2.63E-07	7.64E-08	8.49E-04	2.68E-07	7.80E-08	8.48E-04	2.68E-07	7.79E-08
4149	493363.09, 3855377.25	7.79E-04	2.46E-07	7.16E-08	7.95E-04	2.51E-07	7.30E-08	7.94E-04	2.51E-07	7.29E-08
4150	493863.09, 3855377.25	6.73E-04	2.13E-07	6.18E-08	6.87E-04	2.17E-07	6.31E-08	6.86E-04	2.17E-07	6.30E-08

4151	494363.09, 3855377.25	5.45E-04	1.72E-07	5.01E-08	5.57E-04	1.76E-07	5.11E-08	5.56E-04	1.75E-07	5.10E-08
4152	494863.09, 3855377.25	4.19E-04	1.32E-07	3.84E-08	4.27E-04	1.35E-07	3.92E-08	4.27E-04	1.35E-07	3.92E-08
4153	495363.09, 3855377.25	3.33E-04	1.05E-07	3.06E-08	3.40E-04	1.07E-07	3.12E-08	3.40E-04	1.07E-07	3.12E-08
4154	495863.09, 3855377.25	2.81E-04	8.85E-08	2.58E-08	2.86E-04	9.03E-08	2.63E-08	2.86E-04	9.02E-08	2.62E-08
4155	496363.09, 3855377.25	2.77E-04	8.73E-08	2.54E-08	2.82E-04	8.91E-08	2.59E-08	2.82E-04	8.90E-08	2.59E-08
4156	496863.09, 3855377.25	2.76E-04	8.70E-08	2.53E-08	2.81E-04	8.88E-08	2.58E-08	2.81E-04	8.87E-08	2.58E-08
4157	497363.09, 3855377.25	2.87E-04	9.07E-08	2.64E-08	2.93E-04	9.25E-08	2.69E-08	2.93E-04	9.24E-08	2.69E-08
4158	497863.09, 3855377.25	3.10E-04	9.78E-08	2.85E-08	3.16E-04	9.98E-08	2.90E-08	3.16E-04	9.97E-08	2.90E-08
4159	498363.09, 3855377.25	3.39E-04	1.07E-07	3.11E-08	3.45E-04	1.09E-07	3.17E-08	3.45E-04	1.09E-07	3.17E-08
4160	471363.09, 3855877.25	3.72E-04	1.17E-07	3.42E-08	3.80E-04	1.20E-07	3.49E-08	3.79E-04	1.20E-07	3.48E-08
4161	471863.09, 3855877.25	3.89E-04	1.23E-07	3.57E-08	3.97E-04	1.25E-07	3.64E-08	3.96E-04	1.25E-07	3.64E-08
4162	472363.09, 3855877.25	4.24E-04	1.34E-07	3.89E-08	4.33E-04	1.37E-07	3.97E-08	4.32E-04	1.36E-07	3.97E-08
4163	472863.09, 3855877.25	4.30E-04	1.36E-07	3.95E-08	4.39E-04	1.38E-07	4.03E-08	4.38E-04	1.38E-07	4.02E-08
4164	473363.09, 3855877.25	4.71E-04	1.49E-07	4.32E-08	4.80E-04	1.52E-07	4.41E-08	4.80E-04	1.51E-07	4.41E-08
4165	473863.09, 3855877.25	4.99E-04	1.57E-07	4.58E-08	5.09E-04	1.61E-07	4.67E-08	5.08E-04	1.60E-07	4.67E-08
4166	474363.09, 3855877.25	5.14E-04	1.62E-07	4.72E-08	5.24E-04	1.65E-07	4.81E-08	5.23E-04	1.65E-07	4.81E-08
4167	474863.09, 3855877.25	4.11E-04	1.30E-07	3.77E-08	4.19E-04	1.32E-07	3.85E-08	4.19E-04	1.32E-07	3.85E-08
4168	475363.09, 3855877.25	2.36E-04	7.44E-08	2.16E-08	2.41E-04	7.59E-08	2.21E-08	2.40E-04	7.58E-08	2.21E-08
4169	475863.09, 3855877.25	6.84E-05	2.16E-08	6.28E-09	6.98E-05	2.20E-08	6.40E-09	6.97E-05	2.20E-08	6.40E-09
4170	476363.09, 3855877.25	7.19E-05	2.27E-08	6.60E-09	7.34E-05	2.32E-08	6.74E-09	7.33E-05	2.31E-08	6.73E-09
4171	476863.09, 3855877.25	1.29E-04	4.06E-08	1.18E-08	1.31E-04	4.15E-08	1.21E-08	1.31E-04	4.14E-08	1.20E-08
4172	477363.09, 3855877.25	1.64E-04	5.18E-08	1.51E-08	1.67E-04	5.29E-08	1.54E-08	1.67E-04	5.28E-08	1.54E-08
4173	477863.09, 3855877.25	2.10E-04	6.64E-08	1.93E-08	2.15E-04	6.78E-08	1.97E-08	2.14E-04	6.77E-08	1.97E-08
4174	478363.09, 3855877.25	2.79E-04	8.82E-08	2.56E-08	2.85E-04	9.00E-08	2.62E-08	2.85E-04	8.99E-08	2.61E-08
4175	478863.09, 3855877.25	3.70E-04	1.17E-07	3.39E-08	3.77E-04	1.19E-07	3.46E-08	3.77E-04	1.19E-07	3.46E-08
4176	479363.09, 3855877.25	4.83E-04	1.53E-07	4.44E-08	4.93E-04	1.56E-07	4.53E-08	4.93E-04	1.55E-07	4.52E-08
4177	479863.09, 3855877.25	5.78E-04	1.82E-07	5.30E-08	5.89E-04	1.86E-07	5.41E-08	5.89E-04	1.86E-07	5.40E-08
4178	480363.09, 3855877.25	7.01E-04	2.21E-07	6.43E-08	7.15E-04	2.26E-07	6.56E-08	7.14E-04	2.25E-07	6.56E-08
4179	480863.09, 3855877.25	8.31E-04	2.62E-07	7.63E-08	8.48E-04	2.68E-07	7.79E-08	8.47E-04	2.67E-07	7.78E-08
4180	481363.09, 3855877.25	8.27E-04	2.61E-07	7.59E-08	8.44E-04	2.66E-07	7.75E-08	8.43E-04	2.66E-07	7.74E-08
4181	481863.09, 3855877.25	9.80E-04	3.09E-07	8.99E-08	1.00E-03	3.16E-07	9.18E-08	9.99E-04	3.15E-07	9.17E-08
4182	482363.09, 3855877.25	9.82E-04	3.10E-07	9.02E-08	1.00E-03	3.16E-07	9.20E-08	1.00E-03	3.16E-07	9.19E-08
4183	482863.09, 3855877.25	9.89E-04	3.12E-07	9.08E-08	1.01E-03	3.18E-07	9.26E-08	1.01E-03	3.18E-07	9.25E-08
4184	483363.09, 3855877.25	1.01E-03	3.18E-07	9.25E-08	1.03E-03	3.24E-07	9.43E-08	1.03E-03	3.24E-07	9.42E-08
4185	483863.09, 3855877.25	1.01E-03	3.17E-07	9.23E-08	1.03E-03	3.24E-07	9.42E-08	1.02E-03	3.23E-07	9.41E-08
4186	484363.09, 3855877.25	1.03E-03	3.26E-07	9.48E-08	1.05E-03	3.33E-07	9.67E-08	1.05E-03	3.32E-07	9.66E-08
4187	484863.09, 3855877.25	1.03E-03	3.26E-07	9.48E-08	1.05E-03	3.33E-07	9.67E-08	1.05E-03	3.32E-07	9.66E-08
4188	485363.09, 3855877.25	1.02E-03	3.21E-07	9.33E-08	1.04E-03	3.27E-07	9.52E-08	1.04E-03	3.27E-07	9.51E-08
4189	485863.09, 3855877.25	1.02E-03	3.21E-07	9.34E-08	1.04E-03	3.28E-07	9.53E-08	1.04E-03	3.27E-07	9.52E-08
4190	486363.09, 3855877.25	9.51E-04	3.00E-07	8.73E-08	9.71E-04	3.06E-07	8.91E-08	9.69E-04	3.06E-07	8.90E-08
4191	486863.09, 3855877.25	9.22E-04	2.91E-07	8.46E-08	9.41E-04	2.97E-07	8.64E-08	9.40E-04	2.97E-07	8.63E-08
4192	487363.09, 3855877.25	9.45E-04	2.98E-07	8.67E-08	9.64E-04	3.04E-07	8.85E-08	9.63E-04	3.04E-07	8.84E-08
4193	487863.09, 3855877.25	9.60E-04	3.03E-07	8.82E-08	9.80E-04	3.09E-07	9.00E-08	9.79E-04	3.09E-07	8.99E-08
4194	488363.09, 3855877.25	9.82E-04	3.10E-07	9.02E-08	1.00E-03	3.16E-07	9.20E-08	1.00E-03	3.16E-07	9.19E-08
4195	488863.09, 3855877.25	9.96E-04	3.14E-07	9.14E-08	1.02E-03	3.21E-07	9.33E-08	1.01E-03	3.20E-07	9.32E-08
4196	489363.09, 3855877.25	9.78E-04	3.09E-07	8.98E-08	9.98E-04	3.15E-07	9.16E-08	9.97E-04	3.15E-07	9.15E-08
4197	489863.09, 3855877.25	9.47E-04	2.99E-07	8.69E-08	9.66E-04	3.05E-07	8.87E-08	9.65E-04	3.05E-07	8.86E-08
4198	490363.09, 3855877.25	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
4199	490863.09, 3855877.25	8.70E-04	2.75E-07	7.99E-08	8.88E-04	2.80E-07	8.15E-08	8.87E-04	2.80E-07	8.14E-08
4200	491363.09, 3855877.25	7.95E-04	2.51E-07	7.30E-08	8.12E-04	2.56E-07	7.45E-08	8.11E-04	2.56E-07	7.44E-08
4201	491863.09, 3855877.25	8.29E-04	2.62E-07	7.61E-08	8.46E-04	2.67E-07	7.77E-08	8.45E-04	2.67E-07	7.76E-08
4202	492363.09, 3855877.25	7.96E-04	2.51E-07	7.31E-08	8.13E-04	2.57E-07	7.46E-08	8.12E-04	2.56E-07	7.45E-08
4203	492863.09, 3855877.25	7.69E-04	2.43E-07	7.06E-08	7.85E-04	2.48E-07	7.20E-08	7.84E-04	2.47E-07	7.20E-08
4204	493363.09, 3855877.25	6.70E-04	2.11E-07	6.15E-08	6.84E-04	2.16E-07	6.28E-08	6.83E-04	2.16E-07	6.27E-08
4205	493863.09, 3855877.25	5.39E-04	1.70E-07	4.94E-08	5.50E-04	1.73E-07	5.05E-08	5.49E-04	1.73E-07	5.04E-08
4206	494363.09, 3855877.25	4.10E-04	1.29E-07	3.77E-08	4.19E-04	1.32E-07	3.84E-08	4.18E-04	1.32E-07	3.84E-08
4207	494863.09, 3855877.25	3.24E-04	1.02E-07	2.98E-08	3.31E-04	1.04E-07	3.04E-08	3.31E-04	1.04E-07	3.04E-08
4208	495363.09, 3855877.25	2.44E-04	7.69E-08	2.24E-08	2.49E-04	7.85E-08	2.28E-08	2.48E-04	7.84E-08	2.28E-08
4209	495863.09, 3855877.25	2.47E-04	7.78E-08	2.26E-08	2.52E-04	7.94E-08	2.31E-08	2.51E-04	7.93E-08	2.31E-08
4210	496363.09, 3855877.25	2.53E-04	8.00E-08	2.33E-08	2.59E-04	8.16E-08	2.37E-08	2.58E-04	8.15E-08	2.37E-08
4211	496863.09, 3855877.25	2.73E-04	8.60E-08	2.50E-08	2.78E-04	8.78E-08	2.55E-08	2.78E-04	8.77E-08	2.55E-08
4212	497363.09, 3855877.25	2.95E-04	9.30E-08	2.71E-08	3.01E-04	9.49E-08	2.76E-08	3.00E-04	9.48E-08	2.76E-08

4213	497863.09, 3855877.25	3.23E-04	1.02E-07	2.97E-08	3.30E-04	1.04E-07	3.03E-08	3.29E-04	1.04E-07	3.02E-08
4214	498363.09, 3855877.25	3.77E-04	1.19E-07	3.47E-08	3.85E-04	1.22E-07	3.54E-08	3.85E-04	1.21E-07	3.53E-08
4215	471363.09, 3856377.25	3.58E-04	1.13E-07	3.29E-08	3.66E-04	1.15E-07	3.36E-08	3.65E-04	1.15E-07	3.35E-08
4216	471863.09, 3856377.25	3.72E-04	1.17E-07	3.42E-08	3.80E-04	1.20E-07	3.49E-08	3.79E-04	1.20E-07	3.48E-08
4217	472363.09, 3856377.25	3.96E-04	1.25E-07	3.64E-08	4.04E-04	1.28E-07	3.71E-08	4.04E-04	1.27E-07	3.71E-08
4218	472863.09, 3856377.25	4.23E-04	1.34E-07	3.88E-08	4.32E-04	1.36E-07	3.96E-08	4.31E-04	1.36E-07	3.96E-08
4219	473363.09, 3856377.25	4.46E-04	1.41E-07	4.09E-08	4.55E-04	1.43E-07	4.17E-08	4.54E-04	1.43E-07	4.17E-08
4220	473863.09, 3856377.25	4.84E-04	1.53E-07	4.44E-08	4.93E-04	1.56E-07	4.53E-08	4.93E-04	1.56E-07	4.52E-08
4221	474363.09, 3856377.25	4.74E-04	1.49E-07	4.35E-08	4.83E-04	1.53E-07	4.44E-08	4.83E-04	1.52E-07	4.43E-08
4222	474863.09, 3856377.25	4.42E-04	1.40E-07	4.06E-08	4.51E-04	1.42E-07	4.14E-08	4.51E-04	1.42E-07	4.14E-08
4223	475363.09, 3856377.25	3.52E-04	1.11E-07	3.23E-08	3.59E-04	1.13E-07	3.30E-08	3.59E-04	1.13E-07	3.29E-08
4224	475863.09, 3856377.25	2.22E-04	6.99E-08	2.03E-08	2.26E-04	7.14E-08	2.08E-08	2.26E-04	7.13E-08	2.07E-08
4225	476363.09, 3856377.25	1.98E-04	6.26E-08	1.82E-08	2.02E-04	6.39E-08	1.86E-08	2.02E-04	6.38E-08	1.86E-08
4226	476863.09, 3856377.25	1.97E-04	6.21E-08	1.81E-08	2.01E-04	6.34E-08	1.84E-08	2.01E-04	6.33E-08	1.84E-08
4227	477363.09, 3856377.25	2.05E-04	6.48E-08	1.89E-08	2.10E-04	6.61E-08	1.92E-08	2.09E-04	6.61E-08	1.92E-08
4228	477863.09, 3856377.25	1.44E-04	4.54E-08	1.32E-08	1.47E-04	4.63E-08	1.35E-08	1.47E-04	4.63E-08	1.35E-08
4229	478363.09, 3856377.25	1.15E-04	3.63E-08	1.05E-08	1.17E-04	3.70E-08	1.08E-08	1.17E-04	3.70E-08	1.08E-08
4230	478863.09, 3856377.25	2.75E-04	8.68E-08	2.52E-08	2.81E-04	8.85E-08	2.58E-08	2.80E-04	8.84E-08	2.57E-08
4231	479363.09, 3856377.25	3.56E-04	1.12E-07	3.27E-08	3.63E-04	1.15E-07	3.33E-08	3.62E-04	1.14E-07	3.33E-08
4232	479863.09, 3856377.25	5.30E-04	1.67E-07	4.87E-08	5.41E-04	1.71E-07	4.97E-08	5.40E-04	1.71E-07	4.96E-08
4233	480363.09, 3856377.25	6.80E-04	2.15E-07	6.24E-08	6.94E-04	2.19E-07	6.37E-08	6.93E-04	2.19E-07	6.36E-08
4234	480863.09, 3856377.25	7.66E-04	2.42E-07	7.03E-08	7.81E-04	2.47E-07	7.17E-08	7.81E-04	2.46E-07	7.17E-08
4235	481363.09, 3856377.25	8.22E-04	2.59E-07	7.54E-08	8.39E-04	2.65E-07	7.70E-08	8.38E-04	2.64E-07	7.69E-08
4236	481863.09, 3856377.25	8.55E-04	2.70E-07	7.85E-08	8.72E-04	2.75E-07	8.01E-08	8.71E-04	2.75E-07	8.00E-08
4237	482363.09, 3856377.25	8.48E-04	2.68E-07	7.79E-08	8.65E-04	2.73E-07	7.94E-08	8.64E-04	2.73E-07	7.93E-08
4238	482863.09, 3856377.25	8.50E-04	2.68E-07	7.81E-08	8.68E-04	2.74E-07	7.97E-08	8.67E-04	2.74E-07	7.96E-08
4239	483363.09, 3856377.25	8.68E-04	2.74E-07	7.97E-08	8.86E-04	2.80E-07	8.13E-08	8.85E-04	2.79E-07	8.12E-08
4240	483863.09, 3856377.25	8.83E-04	2.79E-07	8.10E-08	9.01E-04	2.84E-07	8.27E-08	8.99E-04	2.84E-07	8.26E-08
4241	484363.09, 3856377.25	9.04E-04	2.85E-07	8.30E-08	9.22E-04	2.91E-07	8.47E-08	9.21E-04	2.91E-07	8.46E-08
4242	484863.09, 3856377.25	9.30E-04	2.94E-07	8.54E-08	9.49E-04	3.00E-07	8.71E-08	9.48E-04	2.99E-07	8.70E-08
4243	485363.09, 3856377.25	9.36E-04	2.95E-07	8.59E-08	9.55E-04	3.01E-07	8.76E-08	9.54E-04	3.01E-07	8.75E-08
4244	485863.09, 3856377.25	9.21E-04	2.91E-07	8.46E-08	9.40E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08
4245	486363.09, 3856377.25	9.04E-04	2.85E-07	8.30E-08	9.23E-04	2.91E-07	8.47E-08	9.22E-04	2.91E-07	8.46E-08
4246	486863.09, 3856377.25	8.89E-04	2.81E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08
4247	487363.09, 3856377.25	8.88E-04	2.80E-07	8.15E-08	9.06E-04	2.86E-07	8.32E-08	9.05E-04	2.86E-07	8.31E-08
4248	487863.09, 3856377.25	8.98E-04	2.83E-07	8.24E-08	9.16E-04	2.89E-07	8.41E-08	9.15E-04	2.89E-07	8.40E-08
4249	488363.09, 3856377.25	8.94E-04	2.82E-07	8.21E-08	9.12E-04	2.88E-07	8.37E-08	9.11E-04	2.88E-07	8.37E-08
4250	488863.09, 3856377.25	9.16E-04	2.89E-07	8.41E-08	9.35E-04	2.95E-07	8.58E-08	9.34E-04	2.95E-07	8.57E-08
4251	489363.09, 3856377.25	9.20E-04	2.90E-07	8.45E-08	9.39E-04	2.96E-07	8.62E-08	9.38E-04	2.96E-07	8.61E-08
4252	489863.09, 3856377.25	9.09E-04	2.87E-07	8.35E-08	9.28E-04	2.93E-07	8.52E-08	9.27E-04	2.93E-07	8.51E-08
4253	490363.09, 3856377.25	8.86E-04	2.80E-07	8.14E-08	9.04E-04	2.85E-07	8.30E-08	9.03E-04	2.85E-07	8.29E-08
4254	490863.09, 3856377.25	8.53E-04	2.69E-07	7.83E-08	8.70E-04	2.75E-07	7.99E-08	8.69E-04	2.74E-07	7.98E-08
4255	491363.09, 3856377.25	8.24E-04	2.60E-07	7.57E-08	8.41E-04	2.65E-07	7.72E-08	8.40E-04	2.65E-07	7.71E-08
4256	491863.09, 3856377.25	7.93E-04	2.50E-07	7.28E-08	8.09E-04	2.55E-07	7.43E-08	8.08E-04	2.55E-07	7.42E-08
4257	492363.09, 3856377.25	7.53E-04	2.38E-07	6.91E-08	7.68E-04	2.42E-07	7.05E-08	7.67E-04	2.42E-07	7.04E-08
4258	492863.09, 3856377.25	6.86E-04	2.17E-07	6.30E-08	7.00E-04	2.21E-07	6.43E-08	6.99E-04	2.21E-07	6.42E-08
4259	493363.09, 3856377.25	5.27E-04	1.66E-07	4.83E-08	5.37E-04	1.70E-07	4.93E-08	5.37E-04	1.69E-07	4.93E-08
4260	493863.09, 3856377.25	4.44E-04	1.40E-07	4.07E-08	4.53E-04	1.43E-07	4.16E-08	4.52E-04	1.43E-07	4.15E-08
4261	494363.09, 3856377.25	3.43E-04	1.08E-07	3.15E-08	3.50E-04	1.10E-07	3.21E-08	3.49E-04	1.10E-07	3.21E-08
4262	494863.09, 3856377.25	2.75E-04	8.67E-08	2.52E-08	2.80E-04	8.84E-08	2.57E-08	2.80E-04	8.83E-08	2.57E-08
4263	495363.09, 3856377.25	2.40E-04	7.57E-08	2.20E-08	2.45E-04	7.72E-08	2.25E-08	2.44E-04	7.72E-08	2.24E-08
4264	495863.09, 3856377.25	2.44E-04	7.69E-08	2.24E-08	2.49E-04	7.85E-08	2.28E-08	2.48E-04	7.84E-08	2.28E-08
4265	496363.09, 3856377.25	2.59E-04	8.17E-08	2.38E-08	2.64E-04	8.33E-08	2.42E-08	2.64E-04	8.32E-08	2.42E-08
4266	496863.09, 3856377.25	2.91E-04	9.19E-08	2.67E-08	2.97E-04	9.38E-08	2.73E-08	2.97E-04	9.37E-08	2.72E-08
4267	497363.09, 3856377.25	3.23E-04	1.02E-07	2.96E-08	3.29E-04	1.04E-07	3.02E-08	3.29E-04	1.04E-07	3.02E-08
4268	497863.09, 3856377.25	3.67E-04	1.16E-07	3.37E-08	3.74E-04	1.18E-07	3.43E-08	3.74E-04	1.18E-07	3.43E-08
4269	498363.09, 3856377.25	4.21E-04	1.33E-07	3.87E-08	4.30E-04	1.36E-07	3.95E-08	4.29E-04	1.36E-07	3.94E-08
4270	471363.09, 3856877.25	3.50E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.28E-08	3.56E-04	1.13E-07	3.27E-08
4271	471863.09, 3856877.25	3.59E-04	1.13E-07	3.30E-08	3.67E-04	1.16E-07	3.37E-08	3.66E-04	1.16E-07	3.36E-08
4272	472363.09, 3856877.25	3.79E-04	1.20E-07	3.48E-08	3.87E-04	1.22E-07	3.55E-08	3.86E-04	1.22E-07	3.55E-08
4273	472863.09, 3856877.25	3.97E-04	1.25E-07	3.64E-08	4.05E-04	1.28E-07	3.72E-08	4.04E-04	1.28E-07	3.71E-08
4274	473363.09, 3856877.25	4.30E-04	1.36E-07	3.95E-08	4.39E-04	1.38E-07	4.03E-08	4.38E-04	1.38E-07	4.02E-08

4275	473863.09, 3856877.25	4.49E-04	1.42E-07	4.12E-08	4.58E-04	1.45E-07	4.20E-08	4.57E-04	1.44E-07	4.20E-08
4276	474363.09, 3856877.25	4.38E-04	1.38E-07	4.02E-08	4.47E-04	1.41E-07	4.10E-08	4.46E-04	1.41E-07	4.10E-08
4277	474863.09, 3856877.25	4.10E-04	1.29E-07	3.76E-08	4.18E-04	1.32E-07	3.84E-08	4.18E-04	1.32E-07	3.84E-08
4278	475363.09, 3856877.25	3.49E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
4279	475863.09, 3856877.25	3.41E-04	1.08E-07	3.13E-08	3.48E-04	1.10E-07	3.20E-08	3.48E-04	1.10E-07	3.19E-08
4280	476363.09, 3856877.25	2.89E-04	9.13E-08	2.66E-08	2.95E-04	9.32E-08	2.71E-08	2.95E-04	9.31E-08	2.71E-08
4281	476863.09, 3856877.25	2.71E-04	8.54E-08	2.48E-08	2.76E-04	8.71E-08	2.53E-08	2.76E-04	8.70E-08	2.53E-08
4282	477363.09, 3856877.25	2.25E-04	7.11E-08	2.07E-08	2.30E-04	7.25E-08	2.11E-08	2.29E-04	7.24E-08	2.11E-08
4283	477863.09, 3856877.25	1.29E-04	4.08E-08	1.19E-08	1.32E-04	4.17E-08	1.21E-08	1.32E-04	4.16E-08	1.21E-08
4284	478363.09, 3856877.25	1.03E-04	3.25E-08	9.44E-09	1.05E-04	3.31E-08	9.63E-09	1.05E-04	3.31E-08	9.62E-09
4285	478863.09, 3856877.25	1.37E-04	4.33E-08	1.26E-08	1.40E-04	4.42E-08	1.29E-08	1.40E-04	4.42E-08	1.28E-08
4286	479363.09, 3856877.25	1.96E-04	6.18E-08	1.80E-08	2.00E-04	6.31E-08	1.84E-08	2.00E-04	6.30E-08	1.83E-08
4287	479863.09, 3856877.25	4.62E-04	1.46E-07	4.24E-08	4.71E-04	1.49E-07	4.33E-08	4.71E-04	1.49E-07	4.32E-08
4288	480363.09, 3856877.25	6.06E-04	1.91E-07	5.57E-08	6.19E-04	1.95E-07	5.68E-08	6.18E-04	1.95E-07	5.67E-08
4289	480863.09, 3856877.25	7.05E-04	2.22E-07	6.47E-08	7.19E-04	2.27E-07	6.60E-08	7.18E-04	2.27E-07	6.59E-08
4290	481363.09, 3856877.25	7.50E-04	2.37E-07	6.88E-08	7.65E-04	2.42E-07	7.03E-08	7.64E-04	2.41E-07	7.02E-08
4291	481863.09, 3856877.25	7.75E-04	2.45E-07	7.12E-08	7.91E-04	2.50E-07	7.26E-08	7.90E-04	2.49E-07	7.25E-08
4292	482363.09, 3856877.25	7.73E-04	2.44E-07	7.10E-08	7.89E-04	2.49E-07	7.24E-08	7.88E-04	2.49E-07	7.23E-08
4293	482863.09, 3856877.25	7.70E-04	2.43E-07	7.07E-08	7.86E-04	2.48E-07	7.22E-08	7.85E-04	2.48E-07	7.21E-08
4294	483363.09, 3856877.25	7.81E-04	2.46E-07	7.17E-08	7.97E-04	2.51E-07	7.31E-08	7.96E-04	2.51E-07	7.31E-08
4295	483863.09, 3856877.25	7.91E-04	2.50E-07	7.26E-08	8.07E-04	2.55E-07	7.41E-08	8.06E-04	2.54E-07	7.40E-08
4296	484363.09, 3856877.25	8.05E-04	2.54E-07	7.39E-08	8.22E-04	2.59E-07	7.54E-08	8.21E-04	2.59E-07	7.54E-08
4297	484863.09, 3856877.25	8.42E-04	2.66E-07	7.73E-08	8.59E-04	2.71E-07	7.88E-08	8.58E-04	2.71E-07	7.87E-08
4298	485363.09, 3856877.25	8.83E-04	2.79E-07	8.11E-08	9.01E-04	2.84E-07	8.27E-08	9.00E-04	2.84E-07	8.26E-08
4299	485863.09, 3856877.25	9.00E-04	2.84E-07	8.26E-08	9.19E-04	2.90E-07	8.43E-08	9.17E-04	2.90E-07	8.42E-08
4300	486363.09, 3856877.25	8.43E-04	2.66E-07	7.74E-08	8.60E-04	2.71E-07	7.89E-08	8.59E-04	2.71E-07	7.89E-08
4301	486863.09, 3856877.25	8.81E-04	2.78E-07	8.09E-08	8.99E-04	2.84E-07	8.25E-08	8.98E-04	2.83E-07	8.24E-08
4302	487363.09, 3856877.25	9.05E-04	2.86E-07	8.31E-08	9.23E-04	2.91E-07	8.48E-08	9.22E-04	2.91E-07	8.47E-08
4303	487863.09, 3856877.25	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
4304	488363.09, 3856877.25	9.10E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
4305	488863.09, 3856877.25	8.97E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
4306	489363.09, 3856877.25	8.95E-04	2.83E-07	8.22E-08	9.14E-04	2.88E-07	8.39E-08	9.13E-04	2.88E-07	8.38E-08
4307	489863.09, 3856877.25	8.89E-04	2.80E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08
4308	490363.09, 3856877.25	8.69E-04	2.74E-07	7.98E-08	8.87E-04	2.80E-07	8.14E-08	8.86E-04	2.80E-07	8.13E-08
4309	490863.09, 3856877.25	8.56E-04	2.70E-07	7.86E-08	8.74E-04	2.76E-07	8.02E-08	8.73E-04	2.75E-07	8.01E-08
4310	491363.09, 3856877.25	8.30E-04	2.62E-07	7.62E-08	8.47E-04	2.67E-07	7.78E-08	8.46E-04	2.67E-07	7.77E-08
4311	491863.09, 3856877.25	8.02E-04	2.53E-07	7.37E-08	8.19E-04	2.58E-07	7.52E-08	8.18E-04	2.58E-07	7.51E-08
4312	492363.09, 3856877.25	7.11E-04	2.24E-07	6.53E-08	7.26E-04	2.29E-07	6.66E-08	7.25E-04	2.29E-07	6.65E-08
4313	492863.09, 3856877.25	6.31E-04	1.99E-07	5.80E-08	6.44E-04	2.03E-07	5.92E-08	6.44E-04	2.03E-07	5.91E-08
4314	493363.09, 3856877.25	5.29E-04	1.67E-07	4.85E-08	5.39E-04	1.70E-07	4.95E-08	5.39E-04	1.70E-07	4.95E-08
4315	493863.09, 3856877.25	4.06E-04	1.28E-07	3.73E-08	4.15E-04	1.31E-07	3.81E-08	4.14E-04	1.31E-07	3.80E-08
4316	494363.09, 3856877.25	3.17E-04	1.00E-07	2.91E-08	3.24E-04	1.02E-07	2.97E-08	3.23E-04	1.02E-07	2.97E-08
4317	494863.09, 3856877.25	2.89E-04	9.12E-08	2.65E-08	2.95E-04	9.31E-08	2.71E-08	2.95E-04	9.30E-08	2.70E-08
4318	495363.09, 3856877.25	2.80E-04	8.84E-08	2.57E-08	2.86E-04	9.02E-08	2.62E-08	2.85E-04	9.00E-08	2.62E-08
4319	495863.09, 3856877.25	2.91E-04	9.18E-08	2.67E-08	2.97E-04	9.37E-08	2.72E-08	2.96E-04	9.36E-08	2.72E-08
4320	496363.09, 3856877.25	3.05E-04	9.63E-08	2.80E-08	3.11E-04	9.82E-08	2.86E-08	3.11E-04	9.81E-08	2.85E-08
4321	496863.09, 3856877.25	3.29E-04	1.04E-07	3.02E-08	3.36E-04	1.06E-07	3.08E-08	3.35E-04	1.06E-07	3.08E-08
4322	497363.09, 3856877.25	3.64E-04	1.15E-07	3.34E-08	3.71E-04	1.17E-07	3.41E-08	3.71E-04	1.17E-07	3.41E-08
4323	497863.09, 3856877.25	4.26E-04	1.34E-07	3.91E-08	4.35E-04	1.37E-07	3.99E-08	4.34E-04	1.37E-07	3.99E-08
4324	498363.09, 3856877.25	4.99E-04	1.58E-07	4.58E-08	5.09E-04	1.61E-07	4.68E-08	5.09E-04	1.61E-07	4.67E-08
4325	471363.09, 3857377.25	3.42E-04	1.08E-07	3.14E-08	3.49E-04	1.10E-07	3.20E-08	3.48E-04	1.10E-07	3.20E-08
4326	471863.09, 3857377.25	3.49E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
4327	472363.09, 3857377.25	3.63E-04	1.15E-07	3.33E-08	3.70E-04	1.17E-07	3.40E-08	3.70E-04	1.17E-07	3.40E-08
4328	472863.09, 3857377.25	3.80E-04	1.20E-07	3.48E-08	3.87E-04	1.22E-07	3.56E-08	3.87E-04	1.22E-07	3.55E-08
4329	473363.09, 3857377.25	4.02E-04	1.27E-07	3.69E-08	4.10E-04	1.29E-07	3.76E-08	4.09E-04	1.29E-07	3.76E-08
4330	473863.09, 3857377.25	4.29E-04	1.35E-07	3.94E-08	4.37E-04	1.38E-07	4.02E-08	4.37E-04	1.38E-07	4.01E-08
4331	474363.09, 3857377.25	4.08E-04	1.29E-07	3.75E-08	4.17E-04	1.32E-07	3.83E-08	4.16E-04	1.31E-07	3.82E-08
4332	474863.09, 3857377.25	3.25E-04	1.02E-07	2.98E-08	3.31E-04	1.05E-07	3.04E-08	3.31E-04	1.04E-07	3.04E-08
4333	475363.09, 3857377.25	2.17E-04	6.84E-08	1.99E-08	2.21E-04	6.98E-08	2.03E-08	2.21E-04	6.98E-08	2.03E-08
4334	475863.09, 3857377.25	1.92E-04	6.07E-08	1.77E-08	1.96E-04	6.20E-08	1.80E-08	1.96E-04	6.19E-08	1.80E-08
4335	476363.09, 3857377.25	2.55E-04	8.04E-08	2.34E-08	2.60E-04	8.21E-08	2.39E-08	2.60E-04	8.20E-08	2.38E-08
4336	476863.09, 3857377.25	2.66E-04	8.39E-08	2.44E-08	2.71E-04	8.56E-08	2.49E-08	2.71E-04	8.55E-08	2.49E-08

4337	477363.09, 3857377.25	2.23E-04	7.05E-08	2.05E-08	2.28E-04	7.19E-08	2.09E-08	2.28E-04	7.18E-08	2.09E-08
4338	477863.09, 3857377.25	1.51E-04	4.76E-08	1.39E-08	1.54E-04	4.86E-08	1.41E-08	1.54E-04	4.85E-08	1.41E-08
4339	478363.09, 3857377.25	9.96E-05	3.14E-08	9.14E-09	1.02E-04	3.21E-08	9.33E-09	1.02E-04	3.20E-08	9.32E-09
4340	478863.09, 3857377.25	7.75E-05	2.45E-08	7.11E-09	7.91E-05	2.50E-08	7.26E-09	7.90E-05	2.49E-08	7.25E-09
4341	479363.09, 3857377.25	1.41E-04	4.45E-08	1.30E-08	1.44E-04	4.55E-08	1.32E-08	1.44E-04	4.54E-08	1.32E-08
4342	479863.09, 3857377.25	3.84E-04	1.21E-07	3.52E-08	3.91E-04	1.24E-07	3.59E-08	3.91E-04	1.23E-07	3.59E-08
4343	480363.09, 3857377.25	3.14E-04	9.92E-08	2.89E-08	3.21E-04	1.01E-07	2.95E-08	3.20E-04	1.01E-07	2.94E-08
4344	480863.09, 3857377.25	6.44E-04	2.03E-07	5.91E-08	6.57E-04	2.07E-07	6.03E-08	6.57E-04	2.07E-07	6.03E-08
4345	481363.09, 3857377.25	6.44E-04	2.03E-07	5.91E-08	6.57E-04	2.07E-07	6.03E-08	6.56E-04	2.07E-07	6.02E-08
4346	481863.09, 3857377.25	6.82E-04	2.15E-07	6.27E-08	6.96E-04	2.20E-07	6.39E-08	6.96E-04	2.20E-07	6.39E-08
4347	482363.09, 3857377.25	7.15E-04	2.26E-07	6.56E-08	7.29E-04	2.30E-07	6.70E-08	7.29E-04	2.30E-07	6.69E-08
4348	482863.09, 3857377.25	7.23E-04	2.28E-07	6.64E-08	7.38E-04	2.33E-07	6.77E-08	7.37E-04	2.33E-07	6.76E-08
4349	483363.09, 3857377.25	7.38E-04	2.33E-07	6.78E-08	7.53E-04	2.38E-07	6.91E-08	7.52E-04	2.37E-07	6.91E-08
4350	483863.09, 3857377.25	7.55E-04	2.38E-07	6.93E-08	7.70E-04	2.43E-07	7.07E-08	7.69E-04	2.43E-07	7.06E-08
4351	484363.09, 3857377.25	7.61E-04	2.40E-07	6.99E-08	7.77E-04	2.45E-07	7.13E-08	7.76E-04	2.45E-07	7.12E-08
4352	484863.09, 3857377.25	7.79E-04	2.46E-07	7.16E-08	7.95E-04	2.51E-07	7.30E-08	7.94E-04	2.51E-07	7.29E-08
4353	485363.09, 3857377.25	8.12E-04	2.56E-07	7.46E-08	8.29E-04	2.62E-07	7.61E-08	8.28E-04	2.61E-07	7.60E-08
4354	485863.09, 3857377.25	8.63E-04	2.72E-07	7.92E-08	8.80E-04	2.78E-07	8.08E-08	8.79E-04	2.78E-07	8.07E-08
4355	486363.09, 3857377.25	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
4356	486863.09, 3857377.25	8.86E-04	2.80E-07	8.13E-08	9.04E-04	2.85E-07	8.30E-08	9.03E-04	2.85E-07	8.29E-08
4357	487363.09, 3857377.25	9.46E-04	2.98E-07	8.68E-08	9.65E-04	3.05E-07	8.86E-08	9.64E-04	3.04E-07	8.85E-08
4358	487863.09, 3857377.25	1.01E-03	3.19E-07	9.27E-08	1.03E-03	3.25E-07	9.46E-08	1.03E-03	3.25E-07	9.45E-08
4359	488363.09, 3857377.25	1.03E-03	3.24E-07	9.42E-08	1.05E-03	3.30E-07	9.61E-08	1.05E-03	3.30E-07	9.60E-08
4360	488863.09, 3857377.25	1.02E-03	3.23E-07	9.39E-08	1.04E-03	3.30E-07	9.59E-08	1.04E-03	3.29E-07	9.58E-08
4361	489363.09, 3857377.25	9.73E-04	3.07E-07	8.93E-08	9.93E-04	3.13E-07	9.11E-08	9.92E-04	3.13E-07	9.10E-08
4362	489863.09, 3857377.25	9.31E-04	2.94E-07	8.54E-08	9.50E-04	3.00E-07	8.72E-08	9.48E-04	2.99E-07	8.71E-08
4363	490363.09, 3857377.25	9.08E-04	2.87E-07	8.34E-08	9.27E-04	2.92E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
4364	490863.09, 3857377.25	9.03E-04	2.85E-07	8.29E-08	9.22E-04	2.91E-07	8.46E-08	9.20E-04	2.91E-07	8.45E-08
4365	491363.09, 3857377.25	9.11E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
4366	491863.09, 3857377.25	8.79E-04	2.77E-07	8.07E-08	8.97E-04	2.83E-07	8.23E-08	8.96E-04	2.83E-07	8.22E-08
4367	492363.09, 3857377.25	7.48E-04	2.36E-07	6.87E-08	7.64E-04	2.41E-07	7.01E-08	7.63E-04	2.41E-07	7.00E-08
4368	492863.09, 3857377.25	6.24E-04	1.97E-07	5.73E-08	6.37E-04	2.01E-07	5.84E-08	6.36E-04	2.01E-07	5.84E-08
4369	493363.09, 3857377.25	4.86E-04	1.53E-07	4.46E-08	4.96E-04	1.56E-07	4.55E-08	4.95E-04	1.56E-07	4.55E-08
4370	493863.09, 3857377.25	4.39E-04	1.39E-07	4.03E-08	4.48E-04	1.41E-07	4.12E-08	4.48E-04	1.41E-07	4.11E-08
4371	494363.09, 3857377.25	3.93E-04	1.24E-07	3.61E-08	4.01E-04	1.27E-07	3.68E-08	4.00E-04	1.26E-07	3.68E-08
4372	494863.09, 3857377.25	3.81E-04	1.20E-07	3.50E-08	3.89E-04	1.23E-07	3.57E-08	3.88E-04	1.23E-07	3.56E-08
4373	495363.09, 3857377.25	3.73E-04	1.18E-07	3.42E-08	3.80E-04	1.20E-07	3.49E-08	3.80E-04	1.20E-07	3.49E-08
4374	495863.09, 3857377.25	3.84E-04	1.21E-07	3.52E-08	3.91E-04	1.24E-07	3.59E-08	3.91E-04	1.23E-07	3.59E-08
4375	496363.09, 3857377.25	3.98E-04	1.26E-07	3.65E-08	4.06E-04	1.28E-07	3.73E-08	4.05E-04	1.28E-07	3.72E-08
4376	496863.09, 3857377.25	4.15E-04	1.31E-07	3.81E-08	4.23E-04	1.34E-07	3.89E-08	4.23E-04	1.33E-07	3.88E-08
4377	497363.09, 3857377.25	4.48E-04	1.41E-07	4.11E-08	4.57E-04	1.44E-07	4.20E-08	4.56E-04	1.44E-07	4.19E-08
4378	497863.09, 3857377.25	4.98E-04	1.57E-07	4.57E-08	5.08E-04	1.60E-07	4.67E-08	5.08E-04	1.60E-07	4.66E-08
4379	498363.09, 3857377.25	6.10E-04	1.92E-07	5.60E-08	6.22E-04	1.96E-07	5.71E-08	6.21E-04	1.96E-07	5.70E-08
4380	471363.09, 3857877.25	3.28E-04	1.03E-07	3.01E-08	3.34E-04	1.06E-07	3.07E-08	3.34E-04	1.05E-07	3.07E-08
4381	471863.09, 3857877.25	3.37E-04	1.06E-07	3.09E-08	3.44E-04	1.08E-07	3.16E-08	3.43E-04	1.08E-07	3.15E-08
4382	472363.09, 3857877.25	3.49E-04	1.10E-07	3.21E-08	3.56E-04	1.12E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
4383	472863.09, 3857877.25	3.69E-04	1.17E-07	3.39E-08	3.77E-04	1.19E-07	3.46E-08	3.76E-04	1.19E-07	3.45E-08
4384	473363.09, 3857877.25	3.82E-04	1.21E-07	3.51E-08	3.90E-04	1.23E-07	3.58E-08	3.90E-04	1.23E-07	3.58E-08
4385	473863.09, 3857877.25	4.01E-04	1.26E-07	3.68E-08	4.09E-04	1.29E-07	3.75E-08	4.08E-04	1.29E-07	3.75E-08
4386	474363.09, 3857877.25	3.74E-04	1.18E-07	3.44E-08	3.82E-04	1.21E-07	3.51E-08	3.81E-04	1.20E-07	3.50E-08
4387	474863.09, 3857877.25	2.89E-04	9.13E-08	2.66E-08	2.95E-04	9.32E-08	2.71E-08	2.95E-04	9.31E-08	2.71E-08
4388	475363.09, 3857877.25	1.52E-04	4.80E-08	1.40E-08	1.55E-04	4.90E-08	1.42E-08	1.55E-04	4.89E-08	1.42E-08
4389	475863.09, 3857877.25	5.30E-05	1.67E-08	4.87E-09	5.41E-05	1.71E-08	4.97E-09	5.41E-05	1.71E-08	4.96E-09
4390	476363.09, 3857877.25	1.68E-04	5.29E-08	1.54E-08	1.71E-04	5.40E-08	1.57E-08	1.71E-04	5.39E-08	1.57E-08
4391	476863.09, 3857877.25	2.09E-04	6.58E-08	1.92E-08	2.13E-04	6.72E-08	1.95E-08	2.13E-04	6.71E-08	1.95E-08
4392	477363.09, 3857877.25	1.99E-04	6.29E-08	1.83E-08	2.03E-04	6.42E-08	1.87E-08	2.03E-04	6.41E-08	1.86E-08
4393	477863.09, 3857877.25	1.84E-04	5.79E-08	1.69E-08	1.87E-04	5.91E-08	1.72E-08	1.87E-04	5.91E-08	1.72E-08
4394	478363.09, 3857877.25	8.25E-05	2.60E-08	7.57E-09	8.42E-05	2.66E-08	7.73E-09	8.41E-05	2.65E-08	7.72E-09
4395	478863.09, 3857877.25	6.22E-05	1.96E-08	5.71E-09	6.34E-05	2.00E-08	5.82E-09	6.34E-05	2.00E-08	5.82E-09
4396	479363.09, 3857877.25	3.54E-04	1.12E-07	3.25E-08	3.61E-04	1.14E-07	3.31E-08	3.60E-04	1.14E-07	3.31E-08
4397	479863.09, 3857877.25	5.27E-04	1.66E-07	4.84E-08	5.38E-04	1.70E-07	4.94E-08	5.38E-04	1.70E-07	4.94E-08
4398	480363.09, 3857877.25	5.79E-04	1.83E-07	5.31E-08	5.91E-04	1.86E-07	5.42E-08	5.90E-04	1.86E-07	5.41E-08

4399	480863.09, 3857877.25	5.90E-04	1.86E-07	5.41E-08	6.02E-04	1.90E-07	5.52E-08	6.01E-04	1.90E-07	5.52E-08
4400	481363.09, 3857877.25	6.08E-04	1.92E-07	5.59E-08	6.21E-04	1.96E-07	5.70E-08	6.20E-04	1.96E-07	5.69E-08
4401	481863.09, 3857877.25	6.28E-04	1.98E-07	5.77E-08	6.41E-04	2.02E-07	5.89E-08	6.40E-04	2.02E-07	5.88E-08
4402	482363.09, 3857877.25	6.64E-04	2.09E-07	6.09E-08	6.77E-04	2.14E-07	6.22E-08	6.76E-04	2.13E-07	6.21E-08
4403	482863.09, 3857877.25	6.79E-04	2.14E-07	6.24E-08	6.93E-04	2.19E-07	6.37E-08	6.93E-04	2.19E-07	6.36E-08
4404	483363.09, 3857877.25	7.02E-04	2.21E-07	6.44E-08	7.16E-04	2.26E-07	6.57E-08	7.15E-04	2.26E-07	6.56E-08
4405	483863.09, 3857877.25	7.30E-04	2.30E-07	6.70E-08	7.45E-04	2.35E-07	6.84E-08	7.44E-04	2.35E-07	6.83E-08
4406	484363.09, 3857877.25	7.53E-04	2.38E-07	6.92E-08	7.69E-04	2.43E-07	7.06E-08	7.68E-04	2.42E-07	7.05E-08
4407	484863.09, 3857877.25	7.83E-04	2.47E-07	7.19E-08	7.99E-04	2.52E-07	7.34E-08	7.98E-04	2.52E-07	7.33E-08
4408	485363.09, 3857877.25	8.20E-04	2.59E-07	7.53E-08	8.37E-04	2.64E-07	7.68E-08	8.36E-04	2.64E-07	7.68E-08
4409	485863.09, 3857877.25	8.55E-04	2.70E-07	7.84E-08	8.72E-04	2.75E-07	8.01E-08	8.71E-04	2.75E-07	8.00E-08
4410	486363.09, 3857877.25	9.04E-04	2.85E-07	8.30E-08	9.22E-04	2.91E-07	8.47E-08	9.21E-04	2.91E-07	8.46E-08
4411	486863.09, 3857877.25	1.01E-03	3.18E-07	9.24E-08	1.03E-03	3.24E-07	9.42E-08	1.03E-03	3.24E-07	9.41E-08
4412	487363.09, 3857877.25	1.12E-03	3.54E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.14E-03	3.61E-07	1.05E-07
4413	487863.09, 3857877.25	1.20E-03	3.77E-07	1.10E-07	1.22E-03	3.85E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
4414	488363.09, 3857877.25	1.32E-03	4.16E-07	1.21E-07	1.34E-03	4.24E-07	1.23E-07	1.34E-03	4.24E-07	1.23E-07
4415	488863.09, 3857877.25	1.36E-03	4.31E-07	1.25E-07	1.39E-03	4.39E-07	1.28E-07	1.39E-03	4.39E-07	1.28E-07
4416	489363.09, 3857877.25	1.25E-03	3.94E-07	1.15E-07	1.27E-03	4.02E-07	1.17E-07	1.27E-03	4.02E-07	1.17E-07
4417	489863.09, 3857877.25	1.15E-03	3.64E-07	1.06E-07	1.18E-03	3.72E-07	1.08E-07	1.18E-03	3.71E-07	1.08E-07
4418	490363.09, 3857877.25	1.14E-03	3.59E-07	1.05E-07	1.16E-03	3.67E-07	1.07E-07	1.16E-03	3.66E-07	1.07E-07
4419	490863.09, 3857877.25	1.18E-03	3.71E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.78E-07	1.10E-07
4420	491363.09, 3857877.25	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.60E-07	1.05E-07
4421	491863.09, 3857877.25	1.02E-03	3.22E-07	9.35E-08	1.04E-03	3.28E-07	9.54E-08	1.04E-03	3.28E-07	9.53E-08
4422	492363.09, 3857877.25	8.37E-04	2.64E-07	7.68E-08	8.54E-04	2.70E-07	7.84E-08	8.53E-04	2.69E-07	7.83E-08
4423	492863.09, 3857877.25	6.87E-04	2.17E-07	6.31E-08	7.01E-04	2.21E-07	6.43E-08	7.00E-04	2.21E-07	6.43E-08
4424	493363.09, 3857877.25	6.33E-04	2.00E-07	5.81E-08	6.46E-04	2.04E-07	5.93E-08	6.45E-04	2.04E-07	5.93E-08
4425	493863.09, 3857877.25	6.12E-04	1.93E-07	5.62E-08	6.25E-04	1.97E-07	5.74E-08	6.24E-04	1.97E-07	5.73E-08
4426	494363.09, 3857877.25	5.94E-04	1.87E-07	5.45E-08	6.06E-04	1.91E-07	5.56E-08	6.05E-04	1.91E-07	5.56E-08
4427	494863.09, 3857877.25	5.42E-04	1.71E-07	4.98E-08	5.53E-04	1.75E-07	5.08E-08	5.53E-04	1.74E-07	5.07E-08
4428	495363.09, 3857877.25	5.35E-04	1.69E-07	4.91E-08	5.46E-04	1.72E-07	5.01E-08	5.45E-04	1.72E-07	5.01E-08
4429	495863.09, 3857877.25	5.27E-04	1.66E-07	4.83E-08	5.37E-04	1.70E-07	4.93E-08	5.37E-04	1.69E-07	4.93E-08
4430	496363.09, 3857877.25	5.41E-04	1.71E-07	4.97E-08	5.52E-04	1.74E-07	5.07E-08	5.51E-04	1.74E-07	5.06E-08
4431	496863.09, 3857877.25	5.57E-04	1.76E-07	5.12E-08	5.69E-04	1.79E-07	5.22E-08	5.68E-04	1.79E-07	5.21E-08
4432	497363.09, 3857877.25	5.61E-04	1.77E-07	5.15E-08	5.72E-04	1.81E-07	5.25E-08	5.72E-04	1.80E-07	5.25E-08
4433	497863.09, 3857877.25	6.35E-04	2.01E-07	5.83E-08	6.48E-04	2.05E-07	5.95E-08	6.48E-04	2.04E-07	5.94E-08
4434	498363.09, 3857877.25	7.06E-04	2.23E-07	6.48E-08	7.21E-04	2.27E-07	6.62E-08	7.20E-04	2.27E-07	6.61E-08
4435	471363.09, 3858377.25	3.20E-04	1.01E-07	2.94E-08	3.27E-04	1.03E-07	3.00E-08	3.26E-04	1.03E-07	3.00E-08
4436	471863.09, 3858377.25	3.29E-04	1.04E-07	3.02E-08	3.36E-04	1.06E-07	3.08E-08	3.35E-04	1.06E-07	3.08E-08
4437	472363.09, 3858377.25	3.36E-04	1.06E-07	3.09E-08	3.43E-04	1.08E-07	3.15E-08	3.43E-04	1.08E-07	3.15E-08
4438	472863.09, 3858377.25	3.49E-04	1.10E-07	3.21E-08	3.56E-04	1.12E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
4439	473363.09, 3858377.25	3.72E-04	1.17E-07	3.41E-08	3.79E-04	1.20E-07	3.48E-08	3.79E-04	1.20E-07	3.48E-08
4440	473863.09, 3858377.25	3.72E-04	1.17E-07	3.41E-08	3.79E-04	1.20E-07	3.48E-08	3.79E-04	1.20E-07	3.48E-08
4441	474363.09, 3858377.25	3.41E-04	1.08E-07	3.13E-08	3.48E-04	1.10E-07	3.20E-08	3.48E-04	1.10E-07	3.19E-08
4442	474863.09, 3858377.25	2.84E-04	8.97E-08	2.61E-08	2.90E-04	9.16E-08	2.66E-08	2.90E-04	9.15E-08	2.66E-08
4443	475363.09, 3858377.25	1.90E-04	5.99E-08	1.74E-08	1.94E-04	6.11E-08	1.78E-08	1.93E-04	6.10E-08	1.78E-08
4444	475863.09, 3858377.25	1.26E-04	3.97E-08	1.16E-08	1.28E-04	4.05E-08	1.18E-08	1.28E-04	4.05E-08	1.18E-08
4445	476363.09, 3858377.25	1.36E-04	4.30E-08	1.25E-08	1.39E-04	4.38E-08	1.28E-08	1.39E-04	4.38E-08	1.27E-08
4446	476863.09, 3858377.25	1.48E-04	4.67E-08	1.36E-08	1.51E-04	4.76E-08	1.39E-08	1.51E-04	4.76E-08	1.38E-08
4447	477363.09, 3858377.25	1.36E-04	4.28E-08	1.24E-08	1.38E-04	4.37E-08	1.27E-08	1.38E-04	4.36E-08	1.27E-08
4448	477863.09, 3858377.25	1.85E-04	5.84E-08	1.70E-08	1.89E-04	5.96E-08	1.73E-08	1.89E-04	5.95E-08	1.73E-08
4449	478363.09, 3858377.25	1.95E-04	6.15E-08	1.79E-08	1.99E-04	6.27E-08	1.82E-08	1.99E-04	6.27E-08	1.82E-08
4450	478863.09, 3858377.25	1.20E-04	3.79E-08	1.10E-08	1.22E-04	3.86E-08	1.12E-08	1.22E-04	3.86E-08	1.12E-08
4451	479363.09, 3858377.25	3.49E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
4452	479863.09, 3858377.25	5.00E-04	1.58E-07	4.59E-08	5.11E-04	1.61E-07	4.69E-08	5.10E-04	1.61E-07	4.68E-08
4453	480363.09, 3858377.25	5.35E-04	1.69E-07	4.92E-08	5.46E-04	1.72E-07	5.02E-08	5.46E-04	1.72E-07	5.01E-08
4454	480863.09, 3858377.25	5.44E-04	1.72E-07	4.99E-08	5.55E-04	1.75E-07	5.09E-08	5.54E-04	1.75E-07	5.09E-08
4455	481363.09, 3858377.25	5.63E-04	1.78E-07	5.17E-08	5.75E-04	1.81E-07	5.28E-08	5.74E-04	1.81E-07	5.27E-08
4456	481863.09, 3858377.25	5.69E-04	1.80E-07	5.23E-08	5.81E-04	1.83E-07	5.33E-08	5.80E-04	1.83E-07	5.33E-08
4457	482363.09, 3858377.25	5.93E-04	1.87E-07	5.44E-08	6.05E-04	1.91E-07	5.55E-08	6.04E-04	1.91E-07	5.54E-08
4458	482863.09, 3858377.25	6.34E-04	2.00E-07	5.82E-08	6.47E-04	2.04E-07	5.94E-08	6.46E-04	2.04E-07	5.93E-08
4459	483363.09, 3858377.25	6.63E-04	2.09E-07	6.09E-08	6.77E-04	2.14E-07	6.21E-08	6.76E-04	2.13E-07	6.20E-08
4460	483863.09, 3858377.25	6.94E-04	2.19E-07	6.37E-08	7.08E-04	2.24E-07	6.50E-08	7.08E-04	2.23E-07	6.50E-08

4461	484363.09, 3858377.25	7.32E-04	2.31E-07	6.72E-08	7.47E-04	2.36E-07	6.86E-08	7.46E-04	2.36E-07	6.85E-08
4462	484863.09, 3858377.25	7.77E-04	2.45E-07	7.14E-08	7.93E-04	2.50E-07	7.28E-08	7.92E-04	2.50E-07	7.27E-08
4463	485363.09, 3858377.25	8.38E-04	2.64E-07	7.69E-08	8.55E-04	2.70E-07	7.85E-08	8.54E-04	2.70E-07	7.84E-08
4464	485863.09, 3858377.25	9.15E-04	2.89E-07	8.40E-08	9.33E-04	2.95E-07	8.57E-08	9.32E-04	2.94E-07	8.56E-08
4465	486363.09, 3858377.25	1.00E-03	3.16E-07	9.20E-08	1.02E-03	3.23E-07	9.39E-08	1.02E-03	3.22E-07	9.38E-08
4466	486863.09, 3858377.25	1.10E-03	3.48E-07	1.01E-07	1.12E-03	3.55E-07	1.03E-07	1.12E-03	3.55E-07	1.03E-07
4467	487363.09, 3858377.25	1.24E-03	3.90E-07	1.14E-07	1.26E-03	3.98E-07	1.16E-07	1.26E-03	3.98E-07	1.16E-07
4468	487863.09, 3858377.25	1.54E-03	4.87E-07	1.42E-07	1.58E-03	4.97E-07	1.45E-07	1.57E-03	4.97E-07	1.44E-07
4469	488363.09, 3858377.25	1.99E-03	6.28E-07	1.83E-07	2.03E-03	6.40E-07	1.86E-07	2.03E-03	6.40E-07	1.86E-07
4470	488863.09, 3858377.25	2.24E-03	7.08E-07	2.06E-07	2.29E-03	7.22E-07	2.10E-07	2.29E-03	7.21E-07	2.10E-07
4471	489363.09, 3858377.25	2.15E-03	6.78E-07	1.97E-07	2.19E-03	6.92E-07	2.01E-07	2.19E-03	6.91E-07	2.01E-07
4472	489863.09, 3858377.25	2.14E-03	6.74E-07	1.96E-07	2.18E-03	6.88E-07	2.00E-07	2.18E-03	6.87E-07	2.00E-07
4473	490363.09, 3858377.25	2.21E-03	6.97E-07	2.03E-07	2.25E-03	7.11E-07	2.07E-07	2.25E-03	7.11E-07	2.07E-07
4474	490863.09, 3858377.25	2.22E-03	7.00E-07	2.03E-07	2.26E-03	7.14E-07	2.08E-07	2.26E-03	7.13E-07	2.07E-07
4475	491363.09, 3858377.25	1.91E-03	6.02E-07	1.75E-07	1.95E-03	6.14E-07	1.79E-07	1.94E-03	6.13E-07	1.78E-07
4476	491863.09, 3858377.25	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.43E-03	4.50E-07	1.31E-07
4477	492363.09, 3858377.25	1.05E-03	3.30E-07	9.61E-08	1.07E-03	3.37E-07	9.80E-08	1.07E-03	3.37E-07	9.79E-08
4478	492863.09, 3858377.25	1.14E-03	3.61E-07	1.05E-07	1.17E-03	3.69E-07	1.07E-07	1.17E-03	3.68E-07	1.07E-07
4479	493363.09, 3858377.25	1.06E-03	3.35E-07	9.74E-08	1.08E-03	3.42E-07	9.94E-08	1.08E-03	3.41E-07	9.93E-08
4480	493863.09, 3858377.25	1.01E-03	3.20E-07	9.31E-08	1.03E-03	3.27E-07	9.50E-08	1.03E-03	3.26E-07	9.49E-08
4481	494363.09, 3858377.25	9.41E-04	2.97E-07	8.64E-08	9.60E-04	3.03E-07	8.82E-08	9.59E-04	3.03E-07	8.81E-08
4482	494863.09, 3858377.25	8.73E-04	2.76E-07	8.02E-08	8.91E-04	2.81E-07	8.18E-08	8.90E-04	2.81E-07	8.17E-08
4483	495363.09, 3858377.25	7.84E-04	2.47E-07	7.20E-08	8.00E-04	2.52E-07	7.34E-08	7.99E-04	2.52E-07	7.33E-08
4484	495863.09, 3858377.25	7.59E-04	2.40E-07	6.97E-08	7.75E-04	2.45E-07	7.11E-08	7.74E-04	2.44E-07	7.11E-08
4485	496363.09, 3858377.25	7.31E-04	2.31E-07	6.71E-08	7.46E-04	2.35E-07	6.85E-08	7.45E-04	2.35E-07	6.84E-08
4486	496863.09, 3858377.25	7.51E-04	2.37E-07	6.89E-08	7.66E-04	2.42E-07	7.03E-08	7.65E-04	2.41E-07	7.02E-08
4487	497363.09, 3858377.25	7.44E-04	2.35E-07	6.83E-08	7.59E-04	2.40E-07	6.97E-08	7.58E-04	2.39E-07	6.96E-08
4488	497863.09, 3858377.25	8.06E-04	2.54E-07	7.40E-08	8.22E-04	2.60E-07	7.55E-08	8.21E-04	2.59E-07	7.54E-08
4489	498363.09, 3858377.25	8.90E-04	2.81E-07	8.17E-08	9.08E-04	2.87E-07	8.33E-08	9.07E-04	2.86E-07	8.32E-08
4490	471363.09, 3858877.25	3.09E-04	9.75E-08	2.83E-08	3.15E-04	9.95E-08	2.89E-08	3.15E-04	9.93E-08	2.89E-08
4491	471863.09, 3858877.25	3.14E-04	9.91E-08	2.88E-08	3.21E-04	1.01E-07	2.94E-08	3.20E-04	1.01E-07	2.94E-08
4492	472363.09, 3858877.25	3.26E-04	1.03E-07	3.00E-08	3.33E-04	1.05E-07	3.06E-08	3.33E-04	1.05E-07	3.05E-08
4493	472863.09, 3858877.25	3.37E-04	1.06E-07	3.09E-08	3.44E-04	1.09E-07	3.16E-08	3.44E-04	1.08E-07	3.15E-08
4494	473363.09, 3858877.25	3.54E-04	1.12E-07	3.25E-08	3.61E-04	1.14E-07	3.32E-08	3.61E-04	1.14E-07	3.31E-08
4495	473863.09, 3858877.25	3.58E-04	1.13E-07	3.29E-08	3.65E-04	1.15E-07	3.35E-08	3.65E-04	1.15E-07	3.35E-08
4496	474363.09, 3858877.25	3.39E-04	1.07E-07	3.11E-08	3.46E-04	1.09E-07	3.17E-08	3.45E-04	1.09E-07	3.17E-08
4497	474863.09, 3858877.25	1.87E-04	5.90E-08	1.72E-08	1.91E-04	6.02E-08	1.75E-08	1.90E-04	6.01E-08	1.75E-08
4498	475363.09, 3858877.25	1.29E-04	4.07E-08	1.18E-08	1.32E-04	4.16E-08	1.21E-08	1.32E-04	4.15E-08	1.21E-08
4499	475863.09, 3858877.25	1.47E-04	4.63E-08	1.35E-08	1.50E-04	4.73E-08	1.37E-08	1.50E-04	4.72E-08	1.37E-08
4500	476363.09, 3858877.25	7.96E-05	2.51E-08	7.30E-09	8.12E-05	2.56E-08	7.45E-09	8.11E-05	2.56E-08	7.44E-09
4501	476863.09, 3858877.25	1.05E-04	3.31E-08	9.63E-09	1.07E-04	3.38E-08	9.83E-09	1.07E-04	3.37E-08	9.82E-09
4502	477363.09, 3858877.25	1.08E-04	3.39E-08	9.87E-09	1.10E-04	3.46E-08	1.01E-08	1.10E-04	3.46E-08	1.01E-08
4503	477863.09, 3858877.25	1.38E-04	4.34E-08	1.26E-08	1.40E-04	4.43E-08	1.29E-08	1.40E-04	4.43E-08	1.29E-08
4504	478363.09, 3858877.25	2.73E-04	8.61E-08	2.50E-08	2.78E-04	8.79E-08	2.56E-08	2.78E-04	8.78E-08	2.55E-08
4505	478863.09, 3858877.25	2.30E-04	7.25E-08	2.11E-08	2.35E-04	7.40E-08	2.15E-08	2.34E-04	7.39E-08	2.15E-08
4506	479363.09, 3858877.25	1.82E-04	5.76E-08	1.67E-08	1.86E-04	5.87E-08	1.71E-08	1.86E-04	5.87E-08	1.71E-08
4507	479863.09, 3858877.25	4.80E-04	1.51E-07	4.40E-08	4.90E-04	1.54E-07	4.49E-08	4.89E-04	1.54E-07	4.49E-08
4508	480363.09, 3858877.25	5.00E-04	1.58E-07	4.59E-08	5.10E-04	1.61E-07	4.68E-08	5.09E-04	1.61E-07	4.68E-08
4509	480863.09, 3858877.25	5.16E-04	1.63E-07	4.74E-08	5.26E-04	1.66E-07	4.83E-08	5.26E-04	1.66E-07	4.83E-08
4510	481363.09, 3858877.25	5.29E-04	1.67E-07	4.86E-08	5.40E-04	1.70E-07	4.96E-08	5.39E-04	1.70E-07	4.95E-08
4511	481863.09, 3858877.25	5.38E-04	1.70E-07	4.94E-08	5.49E-04	1.73E-07	5.04E-08	5.48E-04	1.73E-07	5.03E-08
4512	482363.09, 3858877.25	5.50E-04	1.74E-07	5.05E-08	5.61E-04	1.77E-07	5.15E-08	5.61E-04	1.77E-07	5.15E-08
4513	482863.09, 3858877.25	5.72E-04	1.80E-07	5.25E-08	5.83E-04	1.84E-07	5.36E-08	5.83E-04	1.84E-07	5.35E-08
4514	483363.09, 3858877.25	6.18E-04	1.95E-07	5.67E-08	6.31E-04	1.99E-07	5.79E-08	6.30E-04	1.99E-07	5.78E-08
4515	483863.09, 3858877.25	6.51E-04	2.05E-07	5.97E-08	6.64E-04	2.10E-07	6.09E-08	6.63E-04	2.09E-07	6.09E-08
4516	484363.09, 3858877.25	6.92E-04	2.18E-07	6.35E-08	7.06E-04	2.23E-07	6.48E-08	7.05E-04	2.22E-07	6.47E-08
4517	484863.09, 3858877.25	7.41E-04	2.34E-07	6.80E-08	7.56E-04	2.39E-07	6.94E-08	7.55E-04	2.38E-07	6.93E-08
4518	485363.09, 3858877.25	8.10E-04	2.56E-07	7.43E-08	8.26E-04	2.61E-07	7.59E-08	8.25E-04	2.60E-07	7.58E-08
4519	485863.09, 3858877.25	9.08E-04	2.87E-07	8.34E-08	9.27E-04	2.92E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
4520	486363.09, 3858877.25	1.03E-03	3.26E-07	9.49E-08	1.05E-03	3.33E-07	9.68E-08	1.05E-03	3.32E-07	9.67E-08
4521	486863.09, 3858877.25	1.22E-03	3.84E-07	1.12E-07	1.24E-03	3.91E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
4522	487363.09, 3858877.25	1.52E-03	4.80E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.90E-07	1.42E-07

4523	487863.09, 3858877.25	2.04E-03	6.44E-07	1.87E-07	2.08E-03	6.57E-07	1.91E-07	2.08E-03	6.56E-07	1.91E-07
4524	488363.09, 3858877.25	3.42E-03	1.08E-06	3.14E-07	3.49E-03	1.10E-06	3.20E-07	3.48E-03	1.10E-06	3.20E-07
4525	488863.09, 3858877.25	1.60E-02	5.04E-06	1.47E-06	1.63E-02	5.15E-06	1.50E-06	1.63E-02	5.14E-06	1.49E-06
4526	489363.09, 3858877.25	1.51E-02	4.77E-06	1.39E-06	1.54E-02	4.87E-06	1.42E-06	1.54E-02	4.86E-06	1.41E-06
4527	489863.09, 3858877.25	9.73E-03	3.07E-06	8.93E-07	9.93E-03	3.13E-06	9.11E-07	9.92E-03	3.13E-06	9.10E-07
4528	490363.09, 3858877.25	6.83E-03	2.16E-06	6.27E-07	6.97E-03	2.20E-06	6.40E-07	6.97E-03	2.20E-06	6.40E-07
4529	490863.09, 3858877.25	4.50E-03	1.42E-06	4.13E-07	4.59E-03	1.45E-06	4.21E-07	4.58E-03	1.45E-06	4.21E-07
4530	491363.09, 3858877.25	2.87E-03	9.07E-07	2.64E-07	2.93E-03	9.25E-07	2.69E-07	2.93E-03	9.24E-07	2.69E-07
4531	491863.09, 3858877.25	2.01E-03	6.35E-07	1.85E-07	2.05E-03	6.48E-07	1.88E-07	2.05E-03	6.47E-07	1.88E-07
4532	492363.09, 3858877.25	2.15E-03	6.79E-07	1.98E-07	2.20E-03	6.93E-07	2.02E-07	2.19E-03	6.92E-07	2.01E-07
4533	492863.09, 3858877.25	2.40E-03	7.56E-07	2.20E-07	2.45E-03	7.72E-07	2.25E-07	2.44E-03	7.71E-07	2.24E-07
4534	493363.09, 3858877.25	2.07E-03	6.54E-07	1.90E-07	2.11E-03	6.67E-07	1.94E-07	2.11E-03	6.66E-07	1.94E-07
4535	493863.09, 3858877.25	1.68E-03	5.30E-07	1.54E-07	1.71E-03	5.41E-07	1.57E-07	1.71E-03	5.40E-07	1.57E-07
4536	494363.09, 3858877.25	1.52E-03	4.81E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.90E-07	1.42E-07
4537	494863.09, 3858877.25	1.36E-03	4.29E-07	1.25E-07	1.39E-03	4.38E-07	1.27E-07	1.39E-03	4.38E-07	1.27E-07
4538	495363.09, 3858877.25	1.21E-03	3.80E-07	1.11E-07	1.23E-03	3.88E-07	1.13E-07	1.23E-03	3.88E-07	1.13E-07
4539	495863.09, 3858877.25	1.11E-03	3.50E-07	1.02E-07	1.13E-03	3.57E-07	1.04E-07	1.13E-03	3.57E-07	1.04E-07
4540	496363.09, 3858877.25	1.05E-03	3.32E-07	9.65E-08	1.07E-03	3.39E-07	9.85E-08	1.07E-03	3.38E-07	9.84E-08
4541	496863.09, 3858877.25	9.98E-04	3.15E-07	9.16E-08	1.02E-03	3.21E-07	9.35E-08	1.02E-03	3.21E-07	9.34E-08
4542	497363.09, 3858877.25	9.49E-04	2.99E-07	8.71E-08	9.68E-04	3.06E-07	8.89E-08	9.67E-04	3.05E-07	8.88E-08
4543	497863.09, 3858877.25	1.01E-03	3.20E-07	9.31E-08	1.03E-03	3.27E-07	9.50E-08	1.03E-03	3.26E-07	9.49E-08
4544	498363.09, 3858877.25	1.09E-03	3.43E-07	9.98E-08	1.11E-03	3.50E-07	1.02E-07	1.11E-03	3.50E-07	1.02E-07
4545	471363.09, 3859377.25	2.93E-04	9.23E-08	2.69E-08	2.99E-04	9.42E-08	2.74E-08	2.98E-04	9.41E-08	2.74E-08
4546	471863.09, 3859377.25	3.00E-04	9.48E-08	2.76E-08	3.06E-04	9.67E-08	2.81E-08	3.06E-04	9.66E-08	2.81E-08
4547	472363.09, 3859377.25	3.12E-04	9.86E-08	2.87E-08	3.19E-04	1.01E-07	2.93E-08	3.18E-04	1.00E-07	2.92E-08
4548	472863.09, 3859377.25	3.23E-04	1.02E-07	2.97E-08	3.30E-04	1.04E-07	3.03E-08	3.29E-04	1.04E-07	3.02E-08
4549	473363.09, 3859377.25	3.36E-04	1.06E-07	3.08E-08	3.43E-04	1.08E-07	3.15E-08	3.42E-04	1.08E-07	3.14E-08
4550	473863.09, 3859377.25	3.44E-04	1.09E-07	3.16E-08	3.51E-04	1.11E-07	3.22E-08	3.50E-04	1.11E-07	3.22E-08
4551	474363.09, 3859377.25	3.25E-04	1.02E-07	2.98E-08	3.31E-04	1.05E-07	3.04E-08	3.31E-04	1.04E-07	3.04E-08
4552	474863.09, 3859377.25	2.63E-04	8.29E-08	2.41E-08	2.68E-04	8.46E-08	2.46E-08	2.68E-04	8.45E-08	2.46E-08
4553	475363.09, 3859377.25	1.79E-04	5.65E-08	1.64E-08	1.83E-04	5.76E-08	1.68E-08	1.82E-04	5.75E-08	1.67E-08
4554	475863.09, 3859377.25	1.08E-04	3.39E-08	9.87E-09	1.10E-04	3.46E-08	1.01E-08	1.10E-04	3.46E-08	1.01E-08
4555	476363.09, 3859377.25	9.13E-05	2.88E-08	8.39E-09	9.32E-05	2.94E-08	8.56E-09	9.31E-05	2.94E-08	8.55E-09
4556	476863.09, 3859377.25	6.87E-05	2.17E-08	6.30E-09	7.01E-05	2.21E-08	6.43E-09	7.00E-05	2.21E-08	6.42E-09
4557	477363.09, 3859377.25	7.54E-05	2.38E-08	6.93E-09	7.70E-05	2.43E-08	7.07E-09	7.69E-05	2.43E-08	7.06E-09
4558	477863.09, 3859377.25	1.57E-04	4.97E-08	1.44E-08	1.61E-04	5.07E-08	1.47E-08	1.60E-04	5.06E-08	1.47E-08
4559	478363.09, 3859377.25	2.37E-04	7.49E-08	2.18E-08	2.42E-04	7.64E-08	2.22E-08	2.42E-04	7.63E-08	2.22E-08
4560	478863.09, 3859377.25	3.25E-04	1.03E-07	2.99E-08	3.32E-04	1.05E-07	3.05E-08	3.32E-04	1.05E-07	3.04E-08
4561	479363.09, 3859377.25	3.88E-04	1.22E-07	3.56E-08	3.96E-04	1.25E-07	3.64E-08	3.96E-04	1.25E-07	3.63E-08
4562	479863.09, 3859377.25	4.29E-04	1.35E-07	3.94E-08	4.37E-04	1.38E-07	4.02E-08	4.37E-04	1.38E-07	4.01E-08
4563	480363.09, 3859377.25	4.59E-04	1.45E-07	4.22E-08	4.69E-04	1.48E-07	4.30E-08	4.68E-04	1.48E-07	4.30E-08
4564	480863.09, 3859377.25	4.81E-04	1.52E-07	4.42E-08	4.91E-04	1.55E-07	4.51E-08	4.90E-04	1.55E-07	4.50E-08
4565	481363.09, 3859377.25	4.95E-04	1.56E-07	4.55E-08	5.05E-04	1.60E-07	4.64E-08	5.05E-04	1.59E-07	4.63E-08
4566	481863.09, 3859377.25	5.06E-04	1.60E-07	4.64E-08	5.16E-04	1.63E-07	4.74E-08	5.16E-04	1.63E-07	4.73E-08
4567	482363.09, 3859377.25	5.19E-04	1.64E-07	4.77E-08	5.30E-04	1.67E-07	4.86E-08	5.29E-04	1.67E-07	4.86E-08
4568	482863.09, 3859377.25	5.40E-04	1.71E-07	4.96E-08	5.51E-04	1.74E-07	5.06E-08	5.51E-04	1.74E-07	5.06E-08
4569	483363.09, 3859377.25	5.78E-04	1.82E-07	5.30E-08	5.89E-04	1.86E-07	5.41E-08	5.89E-04	1.86E-07	5.40E-08
4570	483863.09, 3859377.25	6.11E-04	1.93E-07	5.61E-08	6.24E-04	1.97E-07	5.72E-08	6.23E-04	1.97E-07	5.72E-08
4571	484363.09, 3859377.25	6.52E-04	2.06E-07	5.99E-08	6.66E-04	2.10E-07	6.11E-08	6.65E-04	2.10E-07	6.10E-08
4572	484863.09, 3859377.25	7.02E-04	2.22E-07	6.45E-08	7.17E-04	2.26E-07	6.58E-08	7.16E-04	2.26E-07	6.57E-08
4573	485363.09, 3859377.25	7.68E-04	2.43E-07	7.05E-08	7.84E-04	2.47E-07	7.20E-08	7.83E-04	2.47E-07	7.19E-08
4574	485863.09, 3859377.25	8.62E-04	2.72E-07	7.91E-08	8.79E-04	2.77E-07	8.07E-08	8.78E-04	2.77E-07	8.06E-08
4575	486363.09, 3859377.25	9.94E-04	3.14E-07	9.12E-08	1.01E-03	3.20E-07	9.31E-08	1.01E-03	3.20E-07	9.30E-08
4576	486863.09, 3859377.25	1.18E-03	3.72E-07	1.08E-07	1.20E-03	3.80E-07	1.11E-07	1.20E-03	3.80E-07	1.10E-07
4577	487363.09, 3859377.25	1.49E-03	4.69E-07	1.36E-07	1.52E-03	4.78E-07	1.39E-07	1.51E-03	4.78E-07	1.39E-07
4578	487863.09, 3859377.25	2.10E-03	6.61E-07	1.92E-07	2.14E-03	6.75E-07	1.96E-07	2.14E-03	6.74E-07	1.96E-07
4579	488363.09, 3859377.25	3.30E-03	1.04E-06	3.03E-07	3.37E-03	1.06E-06	3.09E-07	3.36E-03	1.06E-06	3.09E-07
4580	488863.09, 3859377.25	6.65E-03	2.10E-06	6.10E-07	6.79E-03	2.14E-06	6.23E-07	6.78E-03	2.14E-06	6.22E-07
4581	489363.09, 3859377.25	1.79E-02	5.66E-06	1.65E-06	1.83E-02	5.78E-06	1.68E-06	1.83E-02	5.77E-06	1.68E-06
4582	489863.09, 3859377.25	6.24E-02	1.97E-05	5.73E-06	6.37E-02	2.01E-05	5.85E-06	6.36E-02	2.01E-05	5.84E-06
4583	490363.09, 3859377.25	2.15E-02	6.79E-06	1.97E-06	2.19E-02	6.92E-06	2.01E-06	2.19E-02	6.92E-06	2.01E-06
4584	490863.09, 3859377.25	1.06E-02	3.33E-06	9.69E-07	1.08E-02	3.40E-06	9.89E-07	1.08E-02	3.40E-06	9.88E-07

4585	491363.09, 3859377.25	5.24E-03	1.65E-06	4.81E-07	5.35E-03	1.69E-06	4.91E-07	5.34E-03	1.69E-06	4.91E-07
4586	491863.09, 3859377.25	5.56E-03	1.76E-06	5.11E-07	5.68E-03	1.79E-06	5.21E-07	5.67E-03	1.79E-06	5.21E-07
4587	492363.09, 3859377.25	4.74E-03	1.50E-06	4.35E-07	4.84E-03	1.53E-06	4.44E-07	4.83E-03	1.53E-06	4.44E-07
4588	492863.09, 3859377.25	4.24E-03	1.34E-06	3.89E-07	4.33E-03	1.37E-06	3.97E-07	4.32E-03	1.36E-06	3.97E-07
4589	493363.09, 3859377.25	3.35E-03	1.06E-06	3.08E-07	3.42E-03	1.08E-06	3.14E-07	3.42E-03	1.08E-06	3.14E-07
4590	493863.09, 3859377.25	2.95E-03	9.31E-07	2.71E-07	3.01E-03	9.50E-07	2.76E-07	3.01E-03	9.49E-07	2.76E-07
4591	494363.09, 3859377.25	2.50E-03	7.90E-07	2.30E-07	2.55E-03	8.06E-07	2.34E-07	2.55E-03	8.05E-07	2.34E-07
4592	494863.09, 3859377.25	1.97E-03	6.21E-07	1.81E-07	2.01E-03	6.34E-07	1.84E-07	2.01E-03	6.33E-07	1.84E-07
4593	495363.09, 3859377.25	1.77E-03	5.59E-07	1.63E-07	1.81E-03	5.70E-07	1.66E-07	1.80E-03	5.70E-07	1.66E-07
4594	495863.09, 3859377.25	1.55E-03	4.90E-07	1.43E-07	1.58E-03	5.00E-07	1.45E-07	1.58E-03	4.99E-07	1.45E-07
4595	496363.09, 3859377.25	1.46E-03	4.60E-07	1.34E-07	1.49E-03	4.69E-07	1.36E-07	1.48E-03	4.69E-07	1.36E-07
4596	496863.09, 3859377.25	1.25E-03	3.95E-07	1.15E-07	1.28E-03	4.03E-07	1.17E-07	1.28E-03	4.03E-07	1.17E-07
4597	497363.09, 3859377.25	1.23E-03	3.88E-07	1.13E-07	1.26E-03	3.96E-07	1.15E-07	1.25E-03	3.96E-07	1.15E-07
4598	497863.09, 3859377.25	1.28E-03	4.04E-07	1.17E-07	1.31E-03	4.12E-07	1.20E-07	1.30E-03	4.12E-07	1.20E-07
4599	498363.09, 3859377.25	1.30E-03	4.11E-07	1.20E-07	1.33E-03	4.20E-07	1.22E-07	1.33E-03	4.19E-07	1.22E-07
4600	471363.09, 3859877.25	2.78E-04	8.79E-08	2.56E-08	2.84E-04	8.97E-08	2.61E-08	2.84E-04	8.96E-08	2.61E-08
4601	471863.09, 3859877.25	2.88E-04	9.08E-08	2.64E-08	2.93E-04	9.26E-08	2.69E-08	2.93E-04	9.25E-08	2.69E-08
4602	472363.09, 3859877.25	2.96E-04	9.33E-08	2.71E-08	3.02E-04	9.52E-08	2.77E-08	3.01E-04	9.51E-08	2.77E-08
4603	472863.09, 3859877.25	3.07E-04	9.69E-08	2.82E-08	3.13E-04	9.89E-08	2.88E-08	3.13E-04	9.88E-08	2.87E-08
4604	473363.09, 3859877.25	3.18E-04	1.00E-07	2.92E-08	3.24E-04	1.02E-07	2.98E-08	3.24E-04	1.02E-07	2.97E-08
4605	473863.09, 3859877.25	3.26E-04	1.03E-07	3.00E-08	3.33E-04	1.05E-07	3.06E-08	3.33E-04	1.05E-07	3.05E-08
4606	474363.09, 3859877.25	3.17E-04	1.00E-07	2.91E-08	3.24E-04	1.02E-07	2.97E-08	3.23E-04	1.02E-07	2.97E-08
4607	474863.09, 3859877.25	2.88E-04	9.10E-08	2.65E-08	2.94E-04	9.29E-08	2.70E-08	2.94E-04	9.28E-08	2.70E-08
4608	475363.09, 3859877.25	2.04E-04	6.44E-08	1.87E-08	2.08E-04	6.57E-08	1.91E-08	2.08E-04	6.56E-08	1.91E-08
4609	475863.09, 3859877.25	1.03E-04	3.25E-08	9.44E-09	1.05E-04	3.31E-08	9.63E-09	1.05E-04	3.31E-08	9.62E-09
4610	476363.09, 3859877.25	5.48E-05	1.73E-08	5.03E-09	5.59E-05	1.77E-08	5.13E-09	5.59E-05	1.76E-08	5.13E-09
4611	476863.09, 3859877.25	6.54E-05	2.06E-08	6.01E-09	6.68E-05	2.11E-08	6.13E-09	6.67E-05	2.10E-08	6.12E-09
4612	477363.09, 3859877.25	7.04E-05	2.22E-08	6.47E-09	7.19E-05	2.27E-08	6.60E-09	7.18E-05	2.27E-08	6.59E-09
4613	477863.09, 3859877.25	1.39E-04	4.40E-08	1.28E-08	1.42E-04	4.49E-08	1.31E-08	1.42E-04	4.48E-08	1.30E-08
4614	478363.09, 3859877.25	2.27E-04	7.18E-08	2.09E-08	2.32E-04	7.33E-08	2.13E-08	2.32E-04	7.32E-08	2.13E-08
4615	478863.09, 3859877.25	3.08E-04	9.73E-08	2.83E-08	3.15E-04	9.93E-08	2.89E-08	3.14E-04	9.91E-08	2.88E-08
4616	479363.09, 3859877.25	3.74E-04	1.18E-07	3.43E-08	3.81E-04	1.20E-07	3.50E-08	3.81E-04	1.20E-07	3.50E-08
4617	479863.09, 3859877.25	4.08E-04	1.29E-07	3.75E-08	4.17E-04	1.32E-07	3.83E-08	4.16E-04	1.31E-07	3.82E-08
4618	480363.09, 3859877.25	4.35E-04	1.37E-07	3.99E-08	4.44E-04	1.40E-07	4.07E-08	4.43E-04	1.40E-07	4.07E-08
4619	480863.09, 3859877.25	4.54E-04	1.43E-07	4.17E-08	4.63E-04	1.46E-07	4.25E-08	4.63E-04	1.46E-07	4.25E-08
4620	481363.09, 3859877.25	4.67E-04	1.47E-07	4.29E-08	4.77E-04	1.50E-07	4.38E-08	4.76E-04	1.50E-07	4.37E-08
4621	481863.09, 3859877.25	4.79E-04	1.51E-07	4.40E-08	4.89E-04	1.54E-07	4.49E-08	4.88E-04	1.54E-07	4.48E-08
4622	482363.09, 3859877.25	4.96E-04	1.57E-07	4.55E-08	5.06E-04	1.60E-07	4.65E-08	5.05E-04	1.60E-07	4.64E-08
4623	482863.09, 3859877.25	5.15E-04	1.63E-07	4.73E-08	5.26E-04	1.66E-07	4.83E-08	5.25E-04	1.66E-07	4.82E-08
4624	483363.09, 3859877.25	5.43E-04	1.71E-07	4.99E-08	5.54E-04	1.75E-07	5.09E-08	5.54E-04	1.75E-07	5.08E-08
4625	483863.09, 3859877.25	5.82E-04	1.84E-07	5.35E-08	5.94E-04	1.88E-07	5.45E-08	5.93E-04	1.87E-07	5.45E-08
4626	484363.09, 3859877.25	6.19E-04	1.95E-07	5.69E-08	6.32E-04	1.99E-07	5.80E-08	6.31E-04	1.99E-07	5.80E-08
4627	484863.09, 3859877.25	6.67E-04	2.10E-07	6.12E-08	6.80E-04	2.15E-07	6.25E-08	6.80E-04	2.15E-07	6.24E-08
4628	485363.09, 3859877.25	7.29E-04	2.30E-07	6.70E-08	7.44E-04	2.35E-07	6.83E-08	7.43E-04	2.35E-07	6.82E-08
4629	485863.09, 3859877.25	8.17E-04	2.58E-07	7.50E-08	8.34E-04	2.63E-07	7.66E-08	8.33E-04	2.63E-07	7.65E-08
4630	486363.09, 3859877.25	9.45E-04	2.98E-07	8.68E-08	9.64E-04	3.04E-07	8.85E-08	9.63E-04	3.04E-07	8.84E-08
4631	486863.09, 3859877.25	1.14E-03	3.60E-07	1.05E-07	1.16E-03	3.67E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
4632	487363.09, 3859877.25	1.39E-03	4.40E-07	1.28E-07	1.42E-03	4.49E-07	1.31E-07	1.42E-03	4.48E-07	1.30E-07
4633	487863.09, 3859877.25	1.83E-03	5.76E-07	1.68E-07	1.86E-03	5.88E-07	1.71E-07	1.86E-03	5.87E-07	1.71E-07
4634	488363.09, 3859877.25	2.49E-03	7.86E-07	2.29E-07	2.54E-03	8.02E-07	2.33E-07	2.54E-03	8.01E-07	2.33E-07
4635	488863.09, 3859877.25	3.66E-03	1.15E-06	3.36E-07	3.73E-03	1.18E-06	3.43E-07	3.73E-03	1.18E-06	3.42E-07
4636	489363.09, 3859877.25	5.57E-03	1.76E-06	5.11E-07	5.69E-03	1.79E-06	5.22E-07	5.68E-03	1.79E-06	5.21E-07
4637	489863.09, 3859877.25	9.34E-03	2.95E-06	8.58E-07	9.53E-03	3.01E-06	8.75E-07	9.52E-03	3.01E-06	8.74E-07
4638	490363.09, 3859877.25	1.82E-02	5.75E-06	1.67E-06	1.86E-02	5.87E-06	1.71E-06	1.86E-02	5.86E-06	1.70E-06
4639	490863.09, 3859877.25	8.99E-02	2.84E-05	8.25E-06	9.17E-02	2.90E-05	8.42E-06	9.16E-02	2.89E-05	8.41E-06
4640	491363.09, 3859877.25	2.88E-02	9.09E-06	2.64E-06	2.94E-02	9.27E-06	2.70E-06	2.93E-02	9.26E-06	2.69E-06
4641	491863.09, 3859877.25	1.49E-02	4.72E-06	1.37E-06	1.53E-02	4.81E-06	1.40E-06	1.52E-02	4.81E-06	1.40E-06
4642	492363.09, 3859877.25	1.00E-02	3.17E-06	9.21E-07	1.02E-02	3.23E-06	9.40E-07	1.02E-02	3.23E-06	9.39E-07
4643	492863.09, 3859877.25	6.95E-03	2.19E-06	6.38E-07	7.09E-03	2.24E-06	6.51E-07	7.09E-03	2.24E-06	6.51E-07
4644	493363.09, 3859877.25	5.36E-03	1.69E-06	4.92E-07	5.47E-03	1.73E-06	5.02E-07	5.46E-03	1.72E-06	5.01E-07
4645	493863.09, 3859877.25	4.25E-03	1.34E-06	3.90E-07	4.34E-03	1.37E-06	3.98E-07	4.34E-03	1.37E-06	3.98E-07
4646	494363.09, 3859877.25	3.34E-03	1.05E-06	3.07E-07	3.41E-03	1.08E-06	3.13E-07	3.41E-03	1.08E-06	3.13E-07